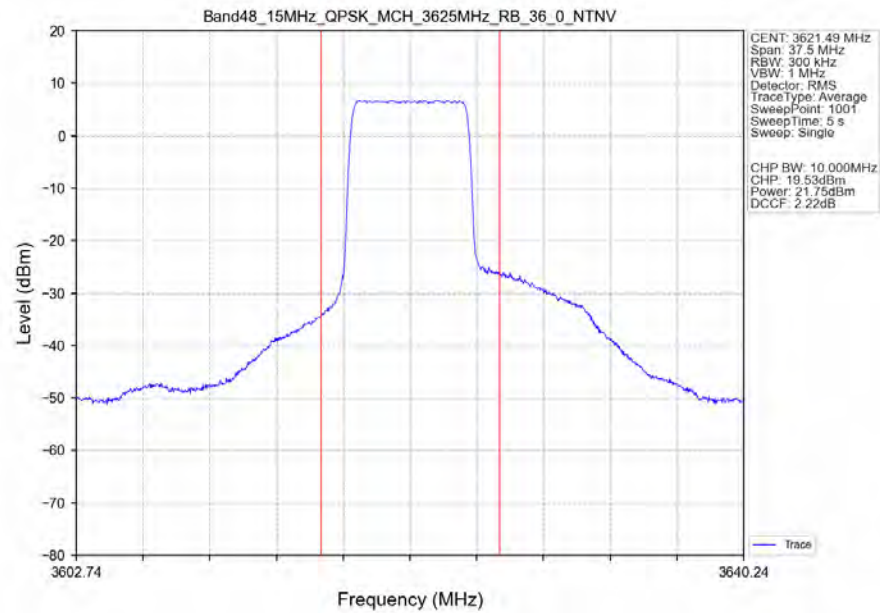
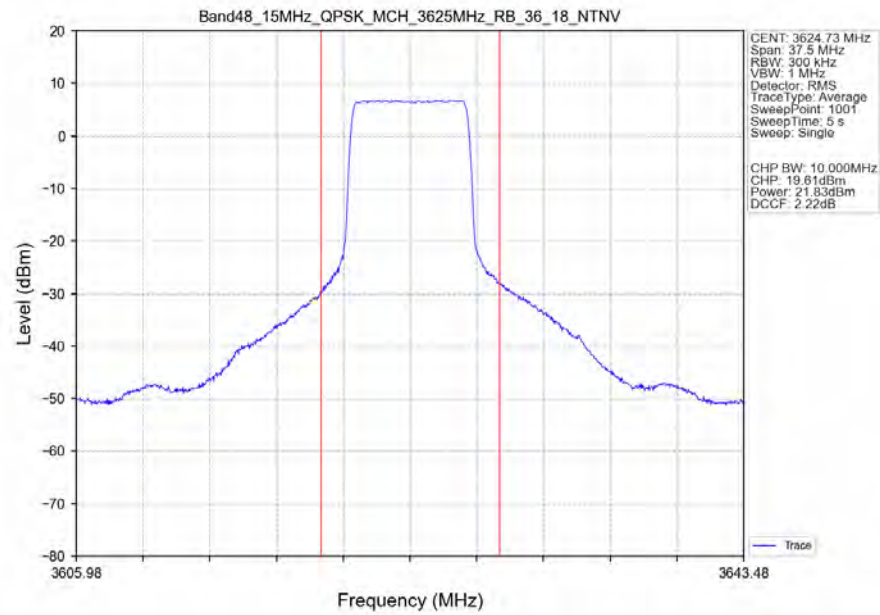


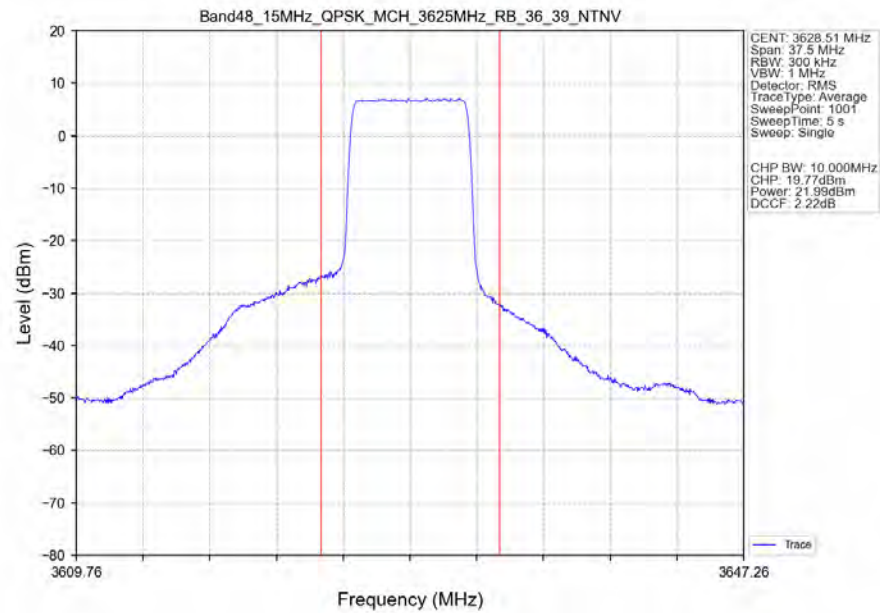
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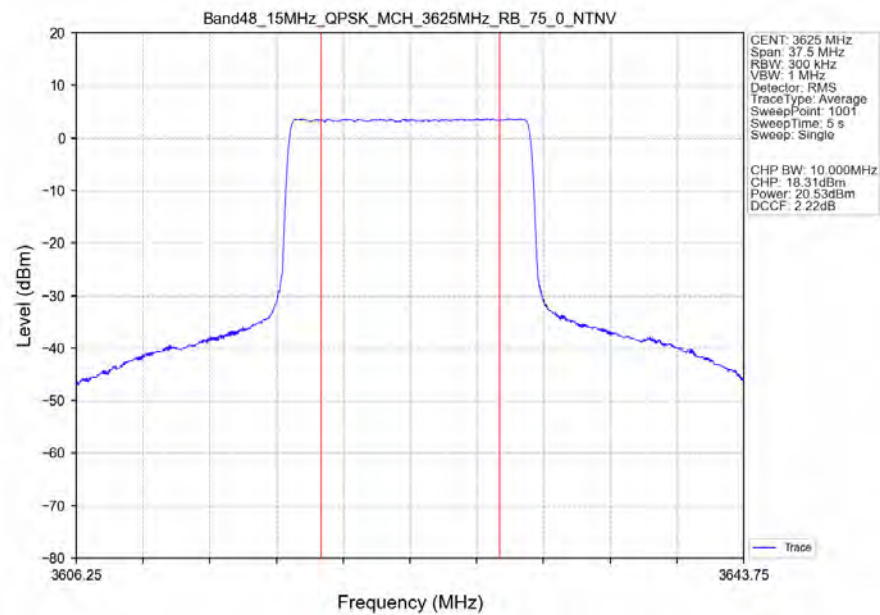
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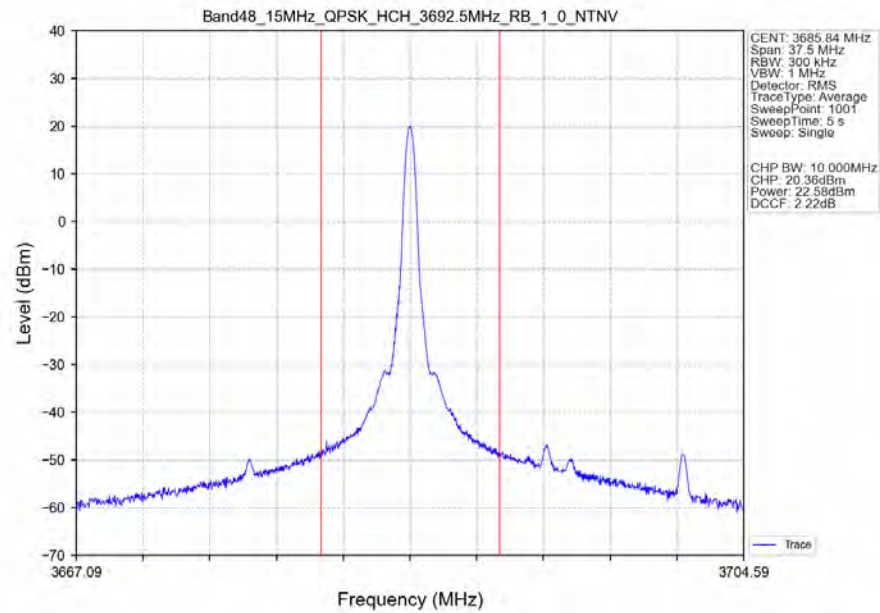
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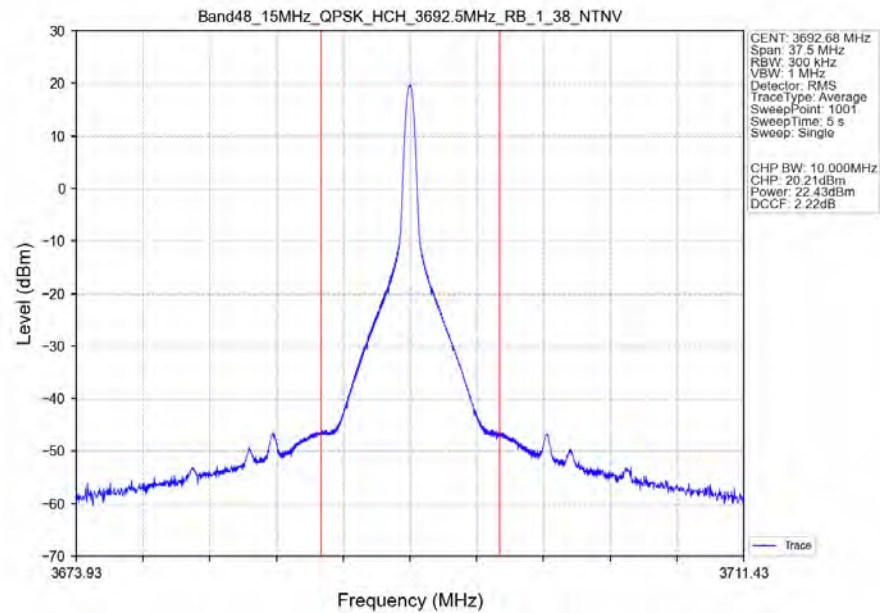
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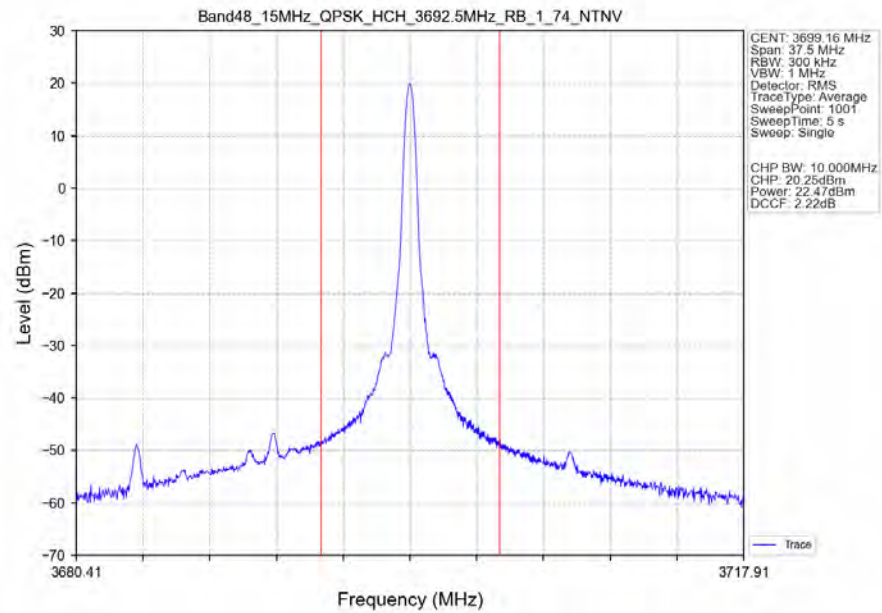
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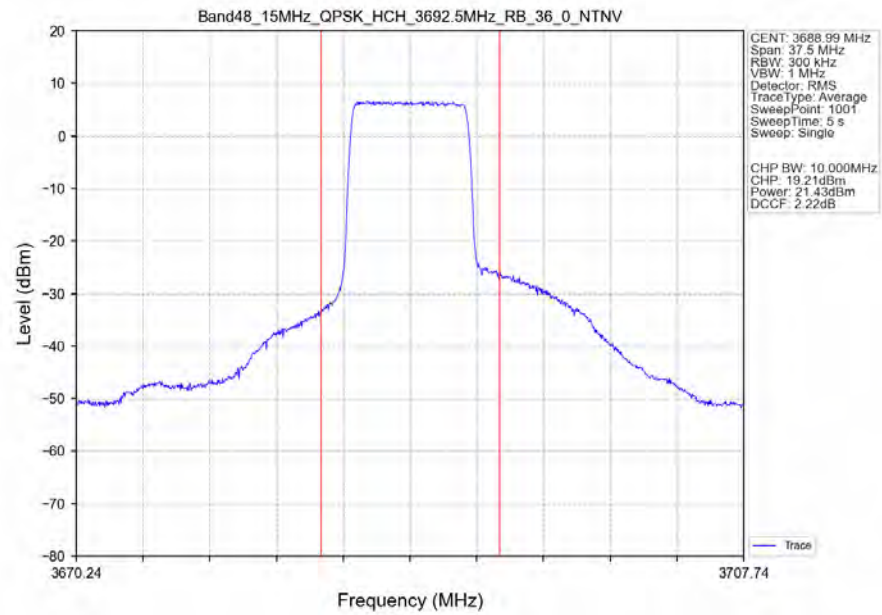
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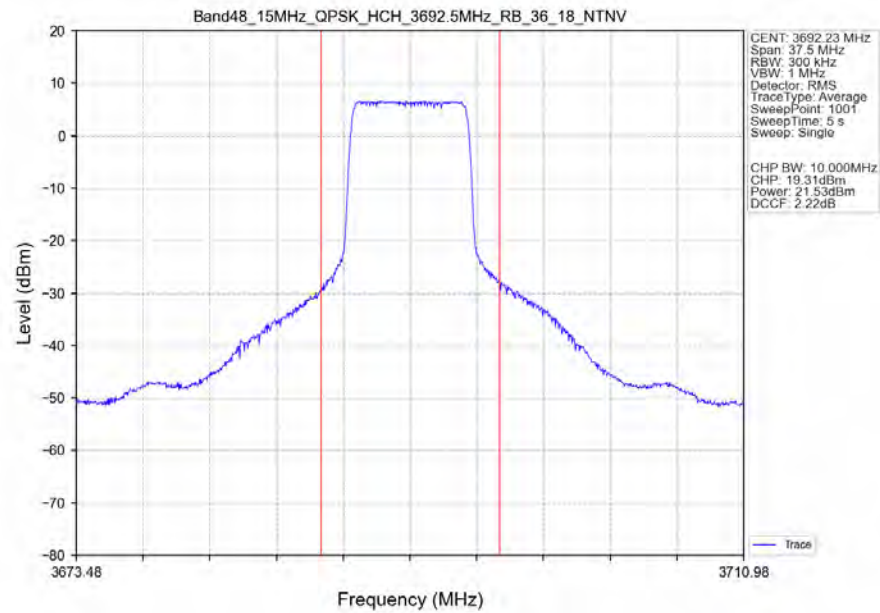
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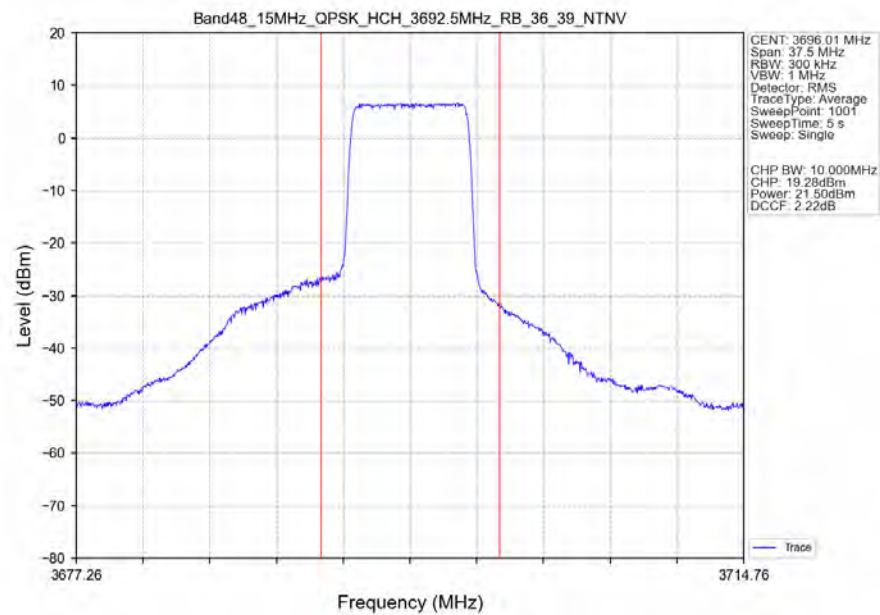
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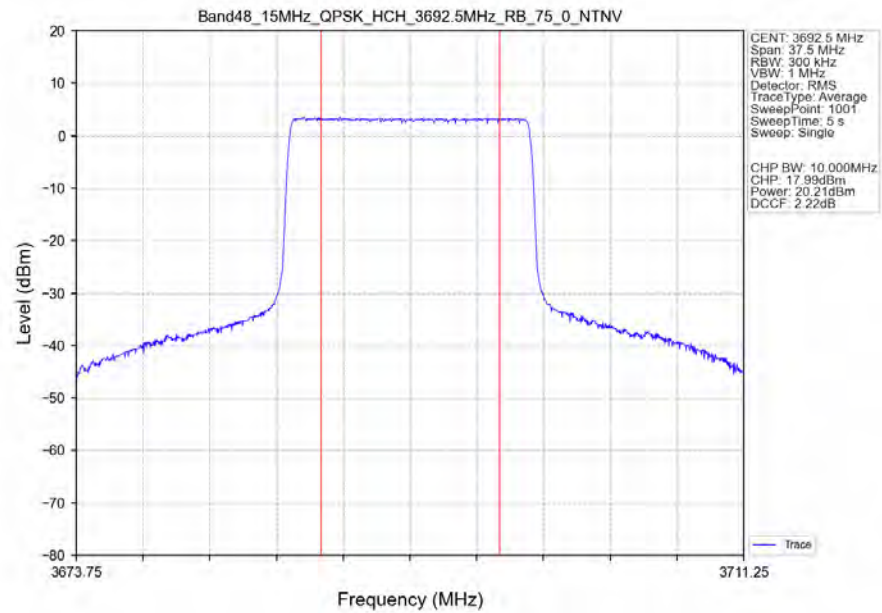
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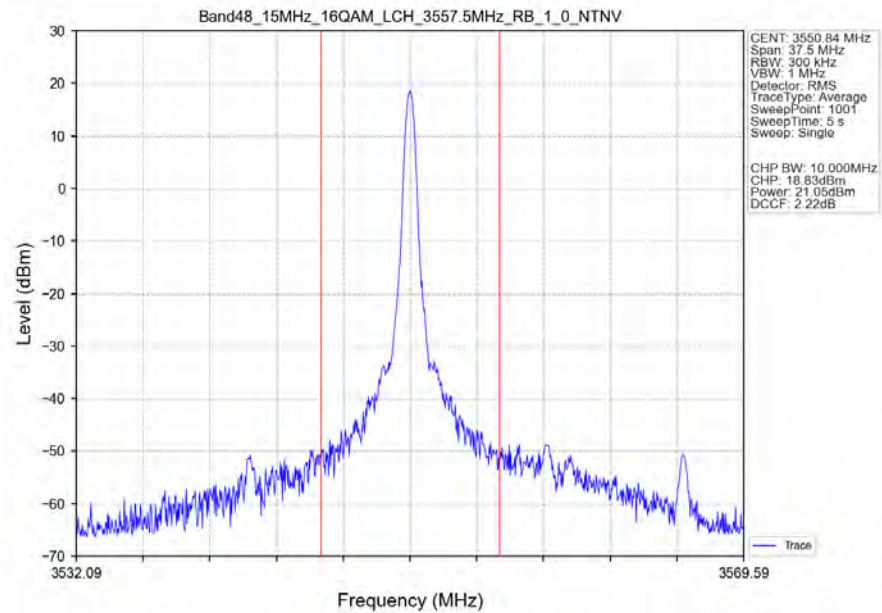
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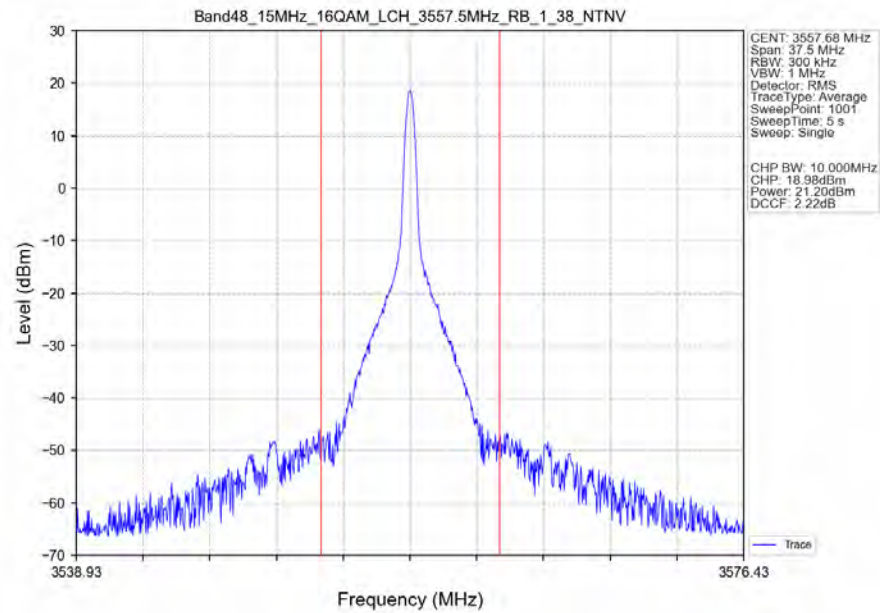
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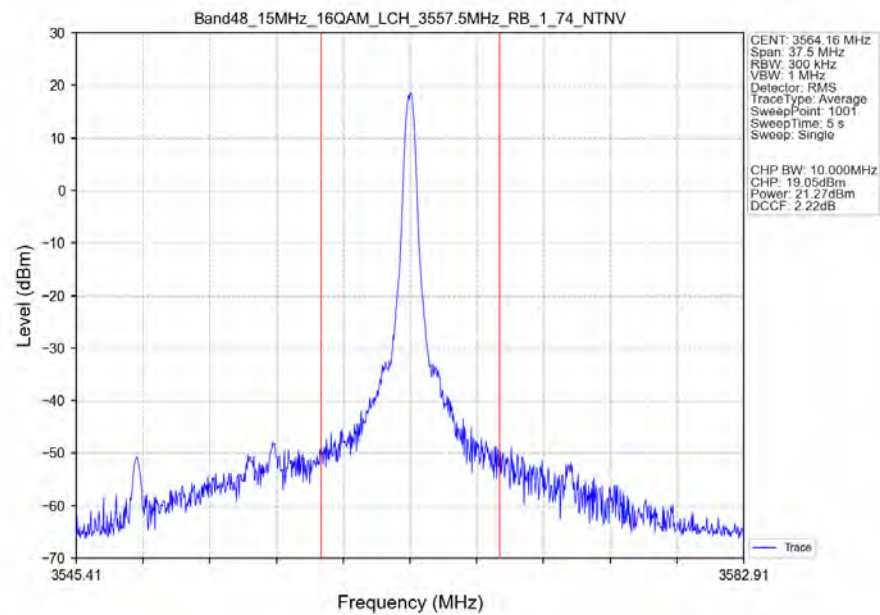
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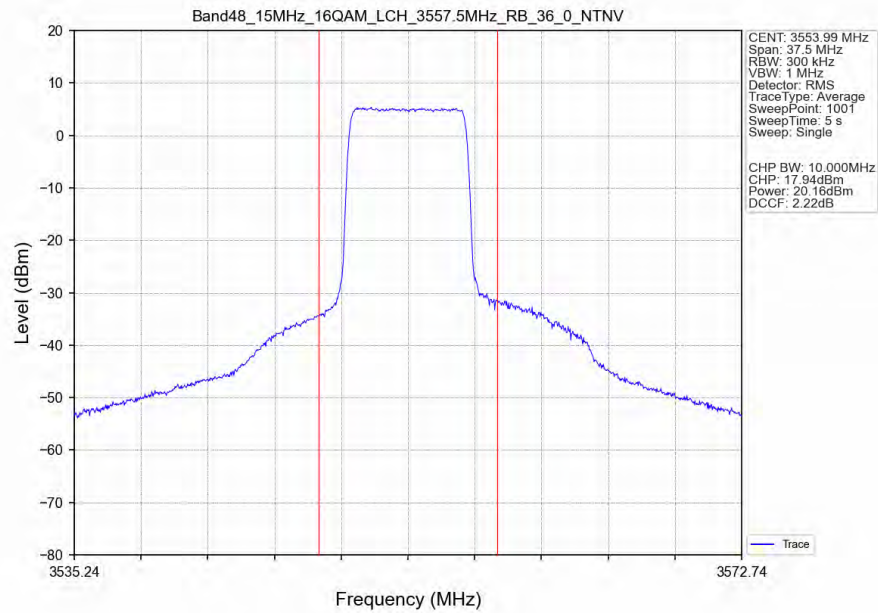
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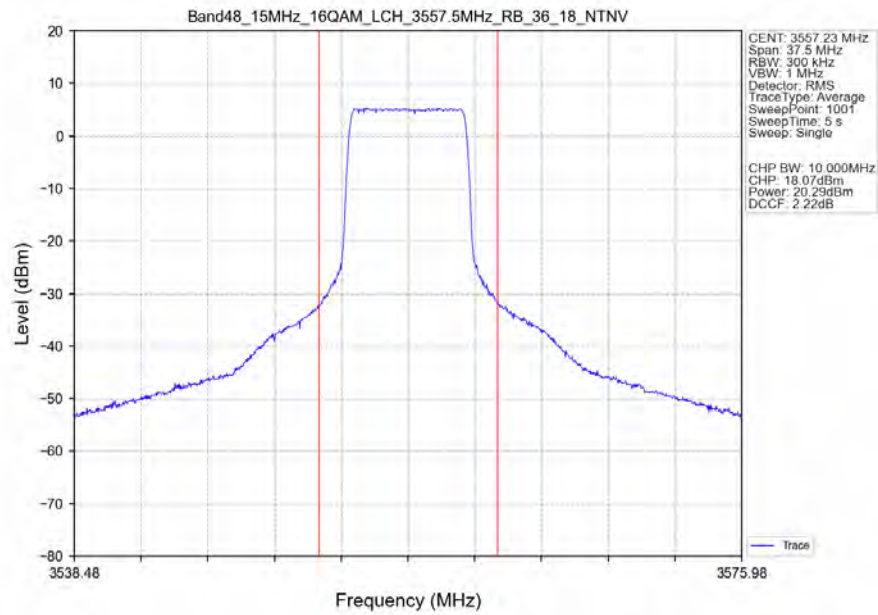
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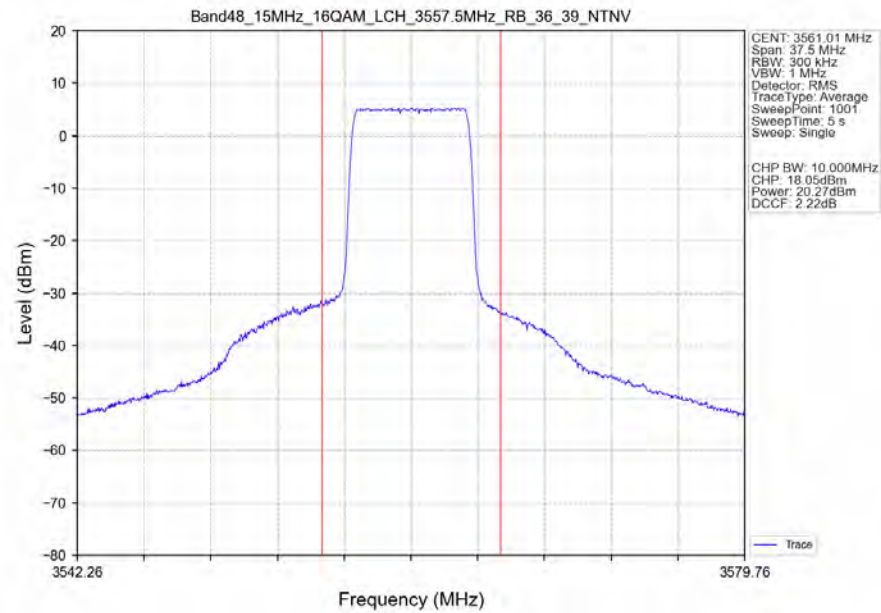
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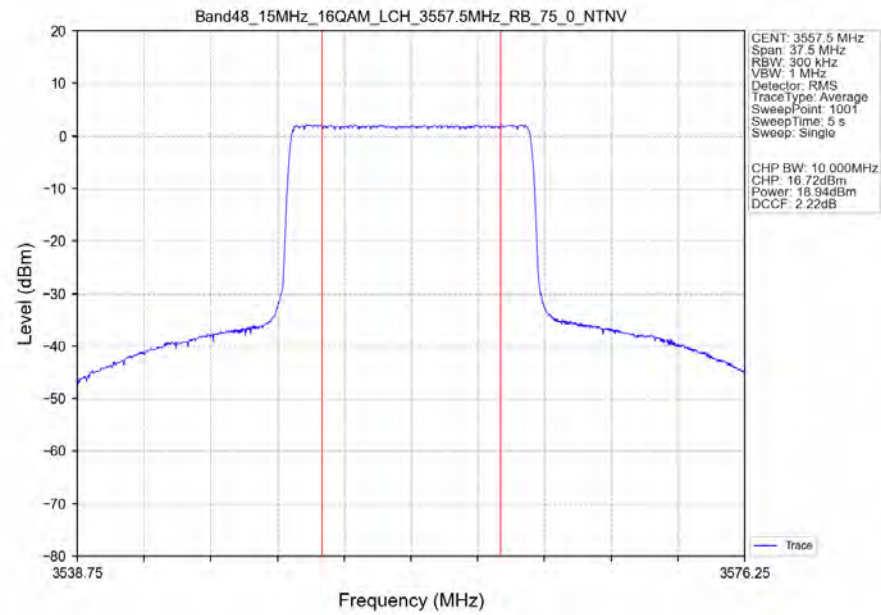
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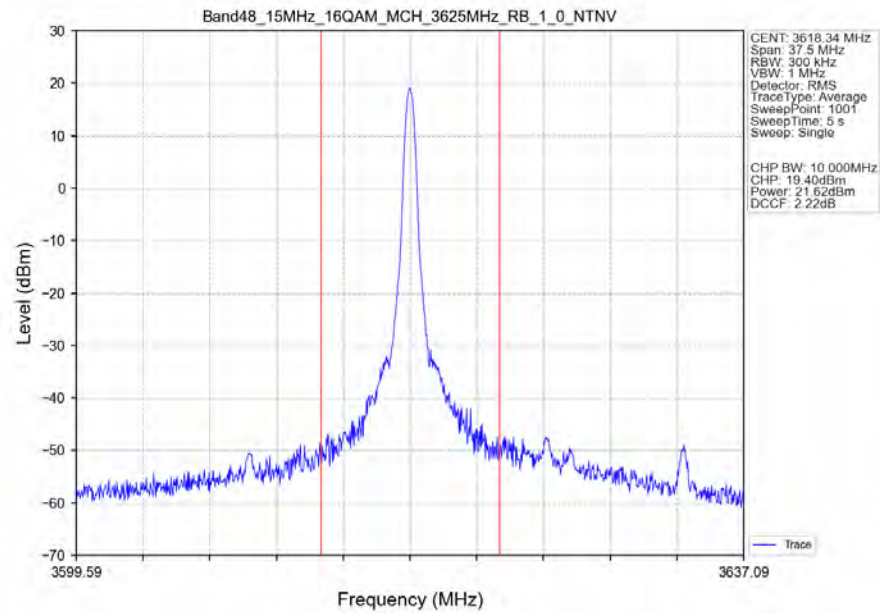
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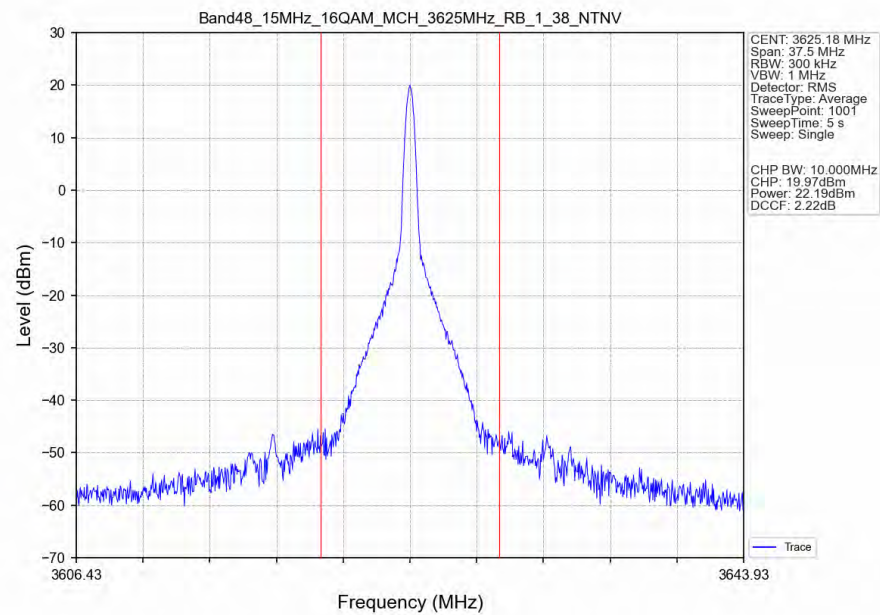
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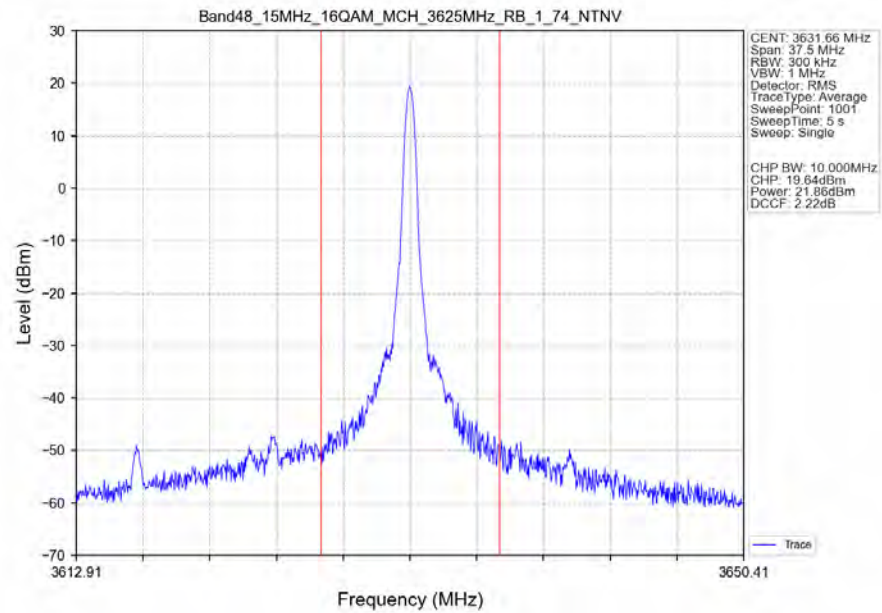
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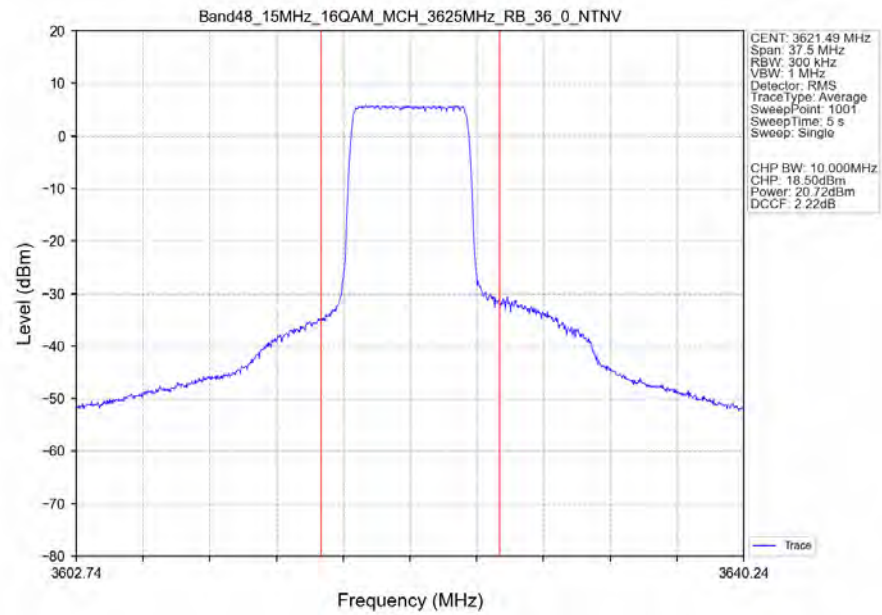
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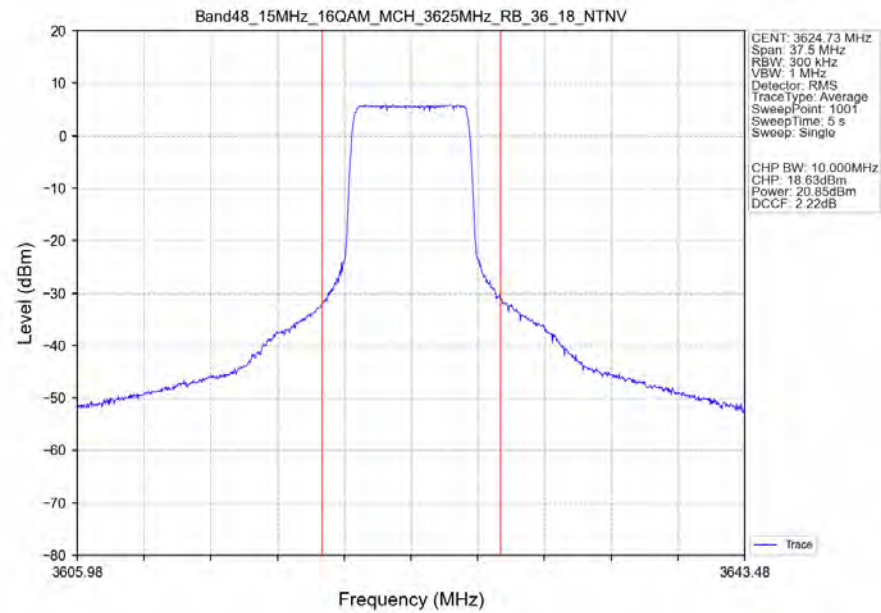
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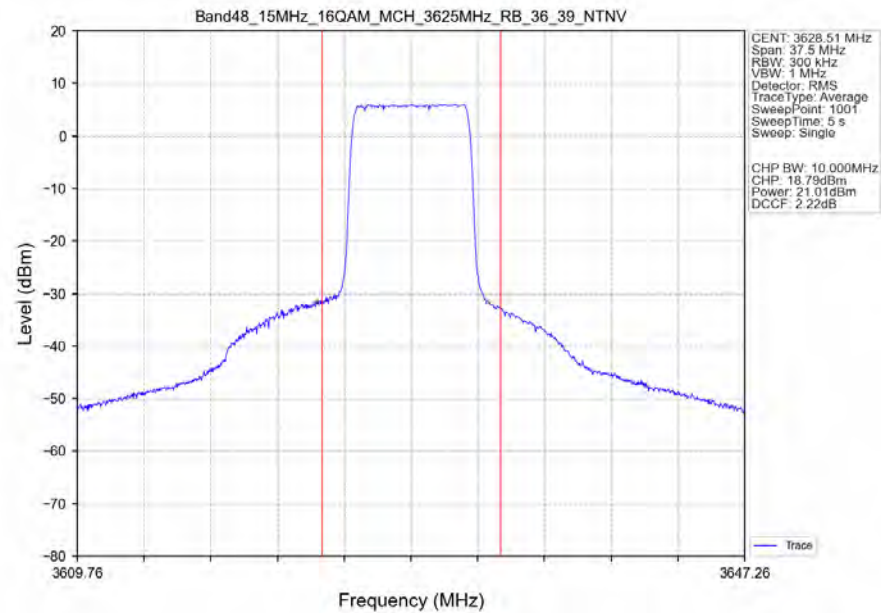
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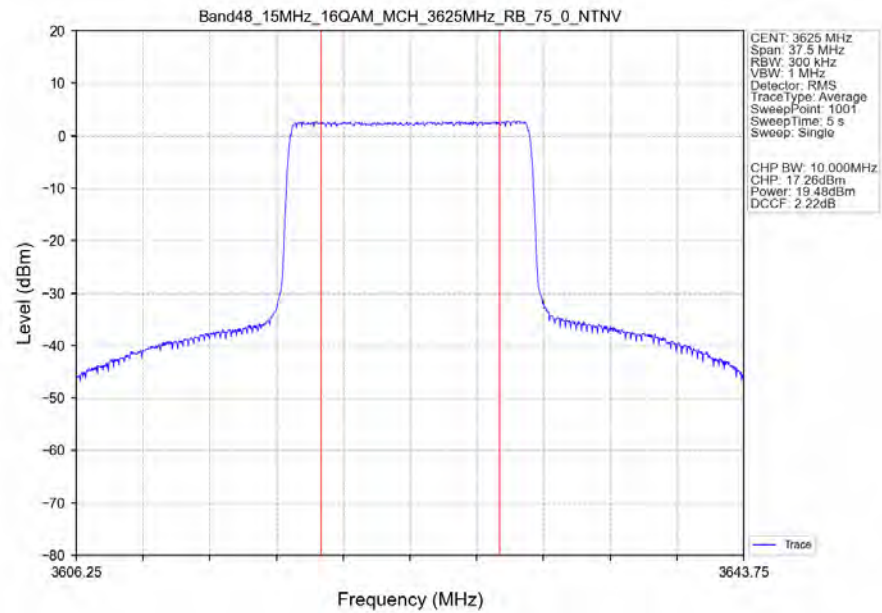
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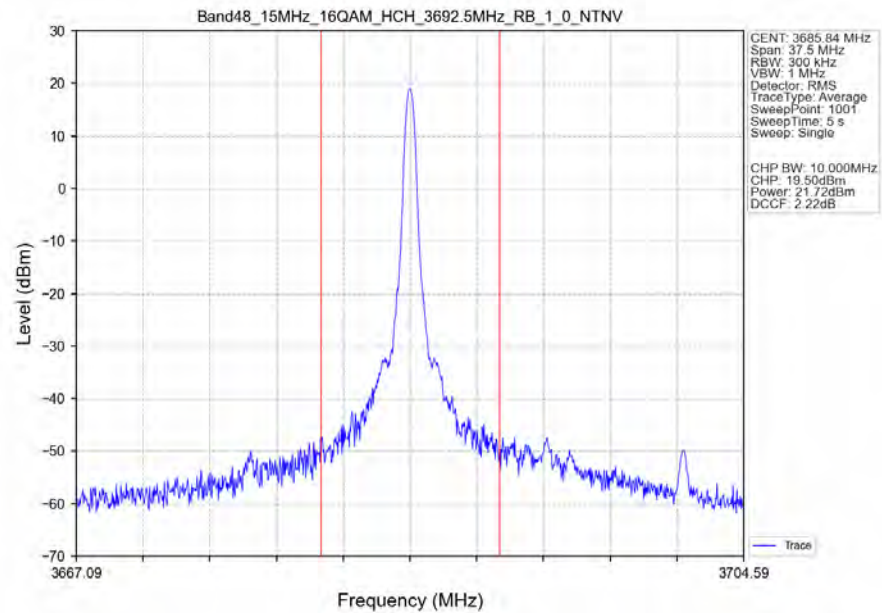
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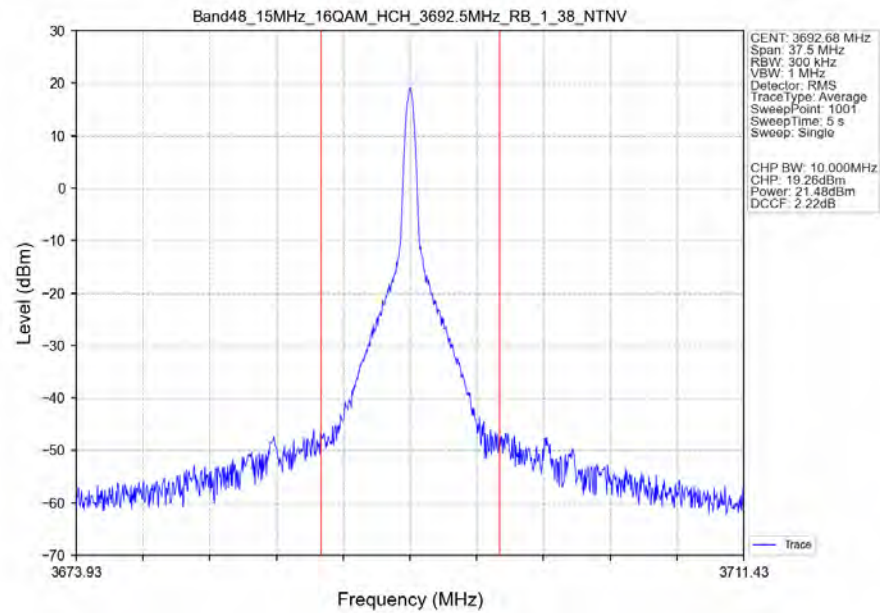
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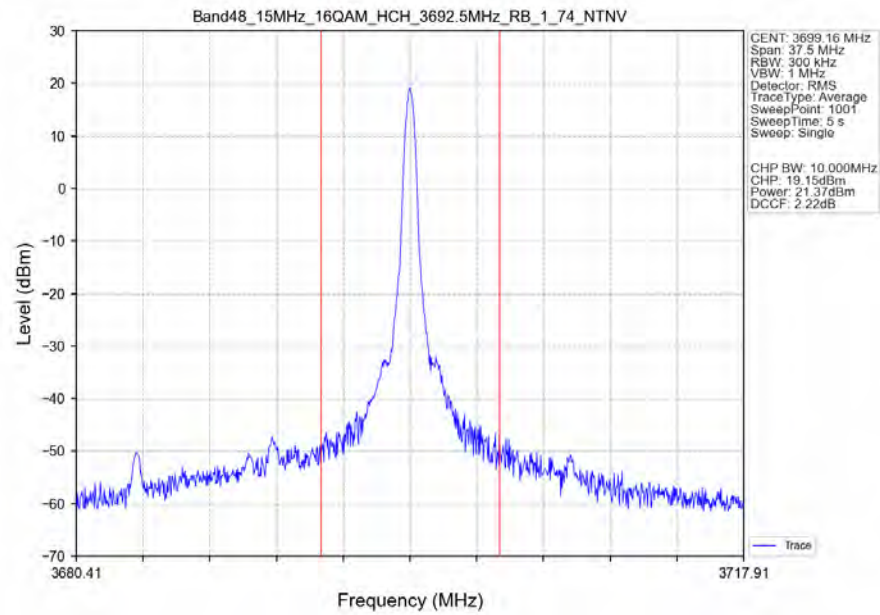
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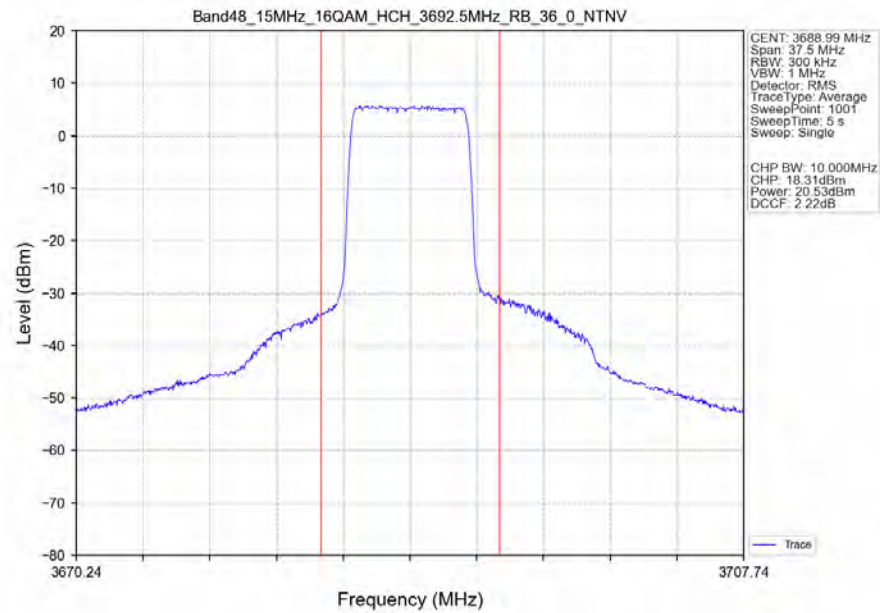
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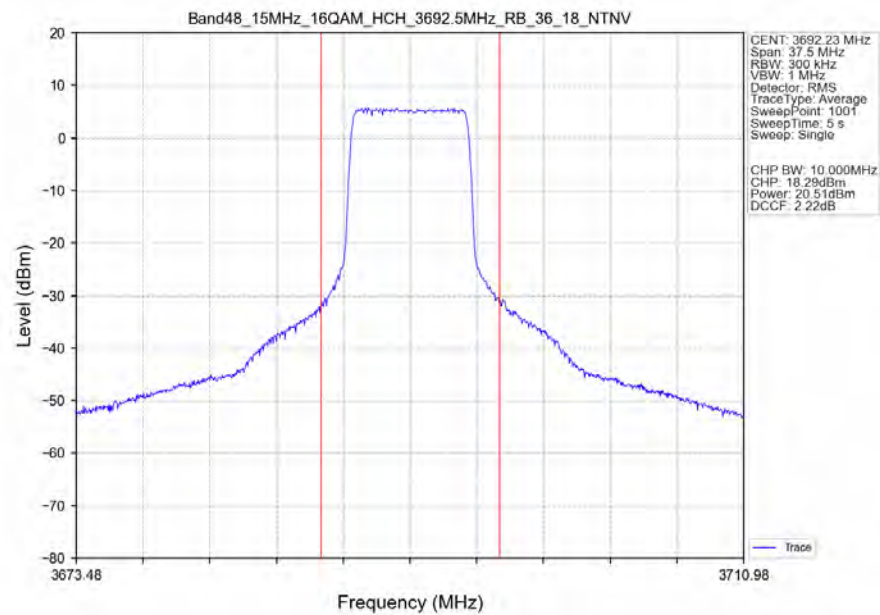
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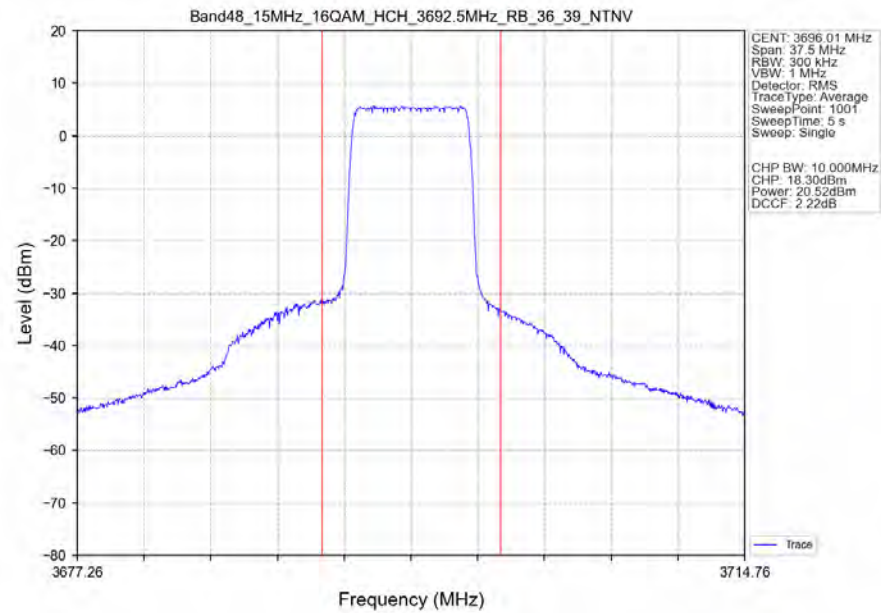
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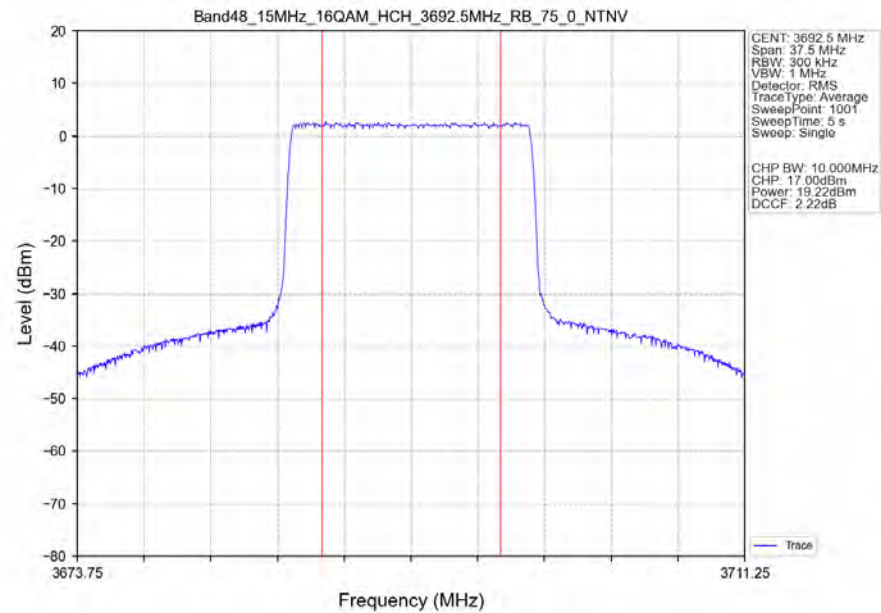
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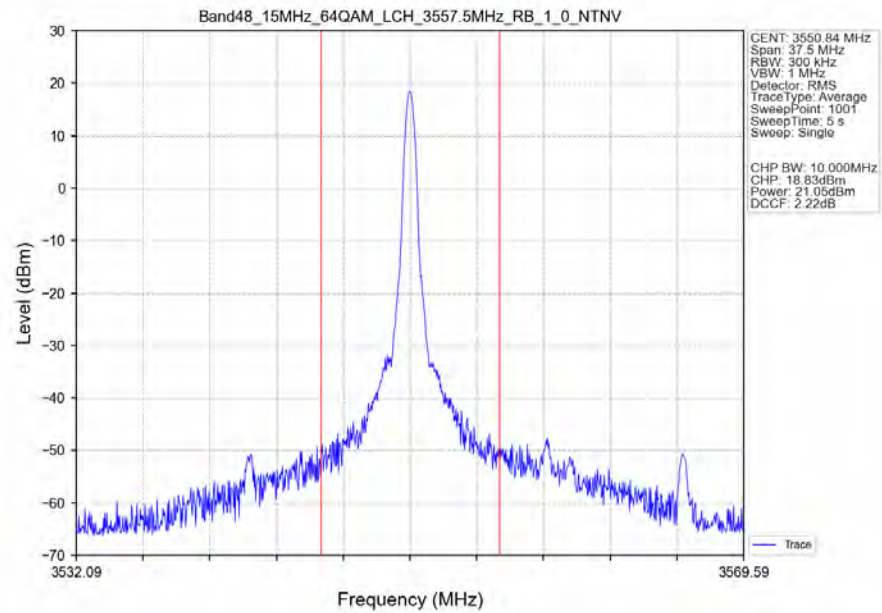
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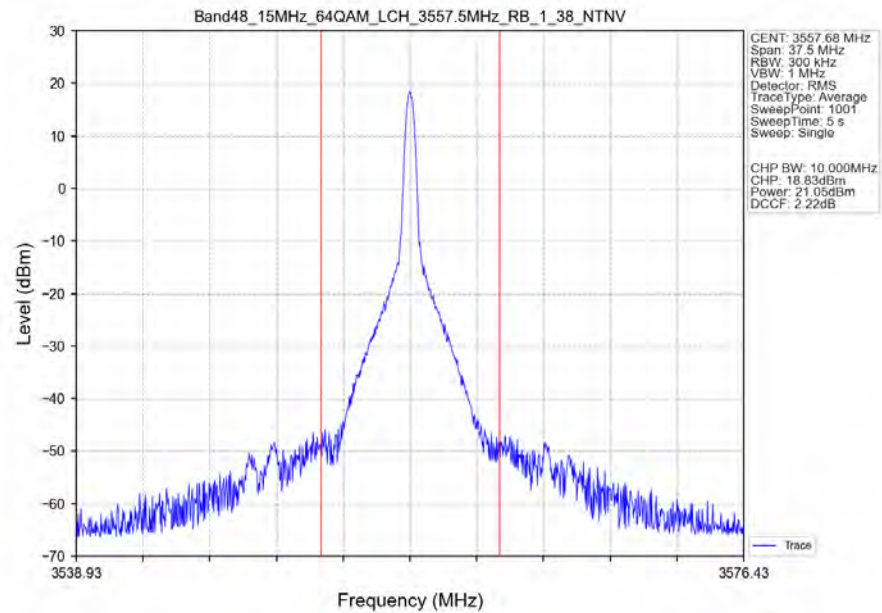
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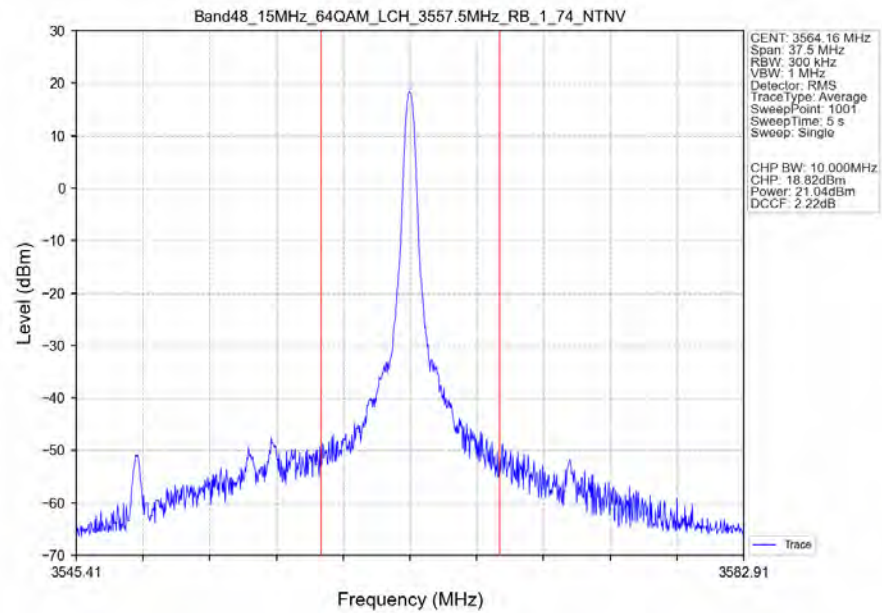
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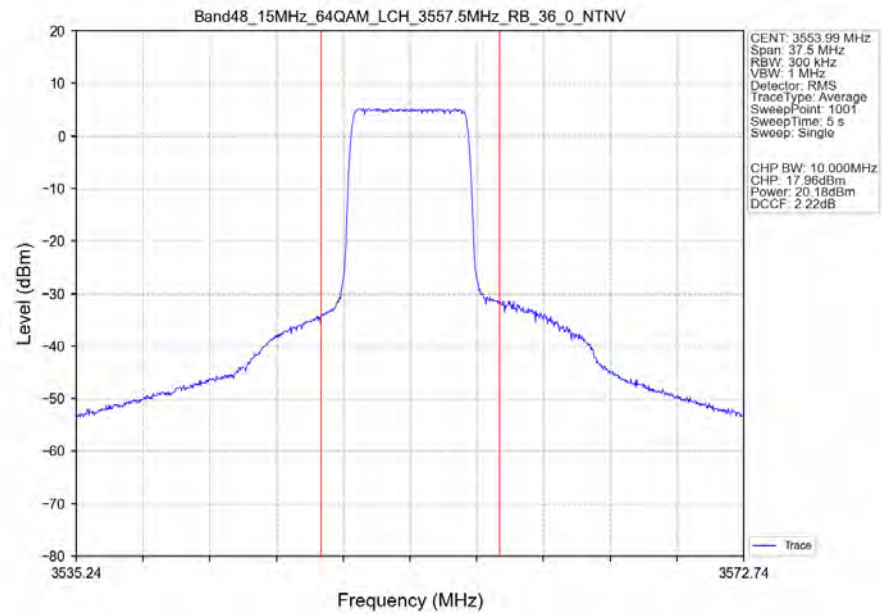
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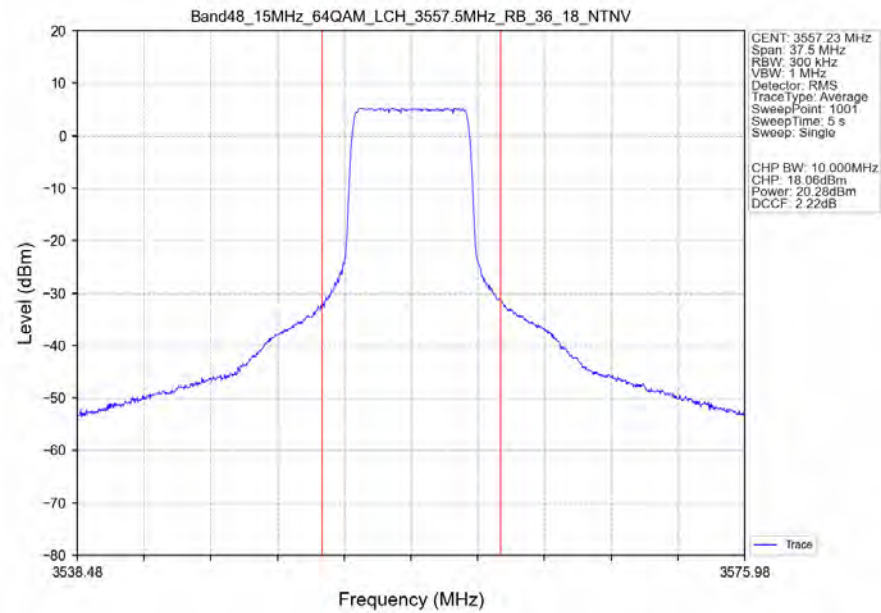
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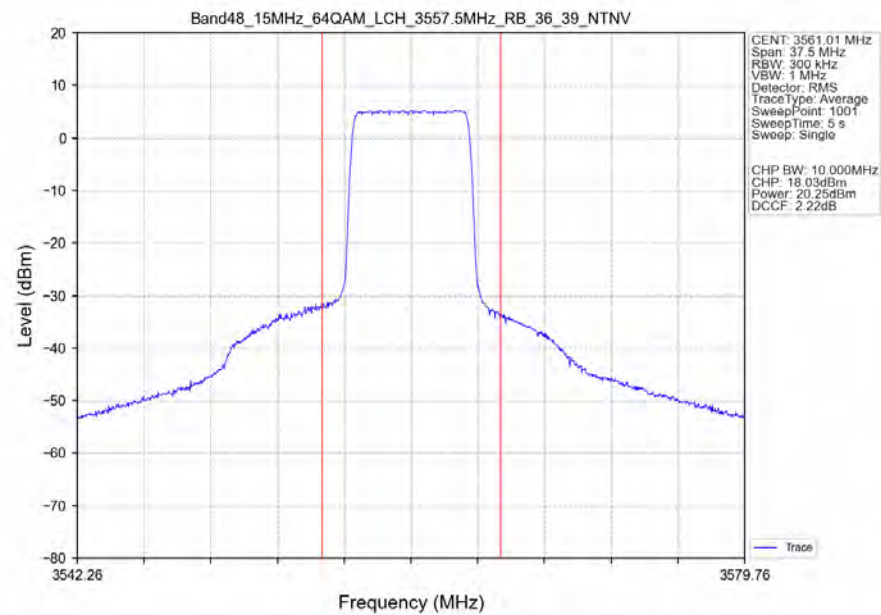
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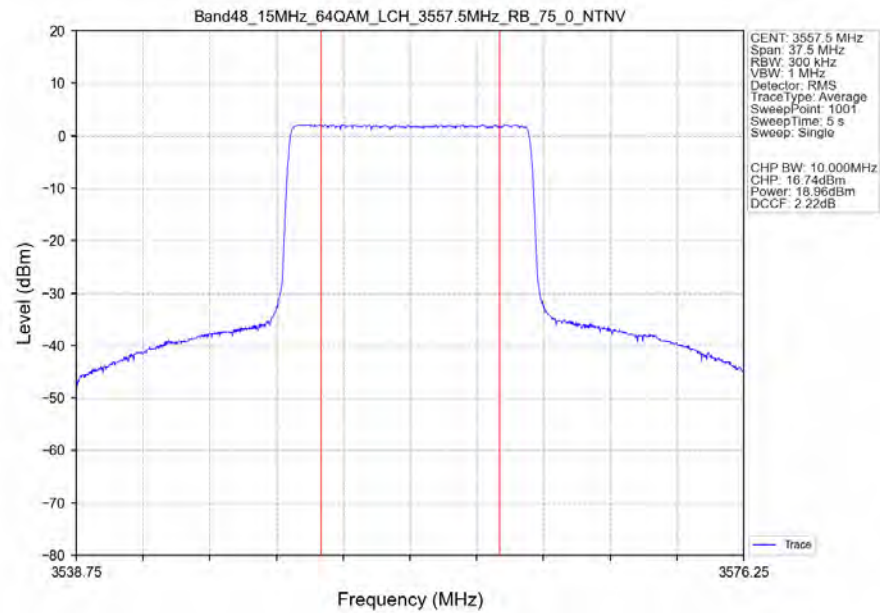
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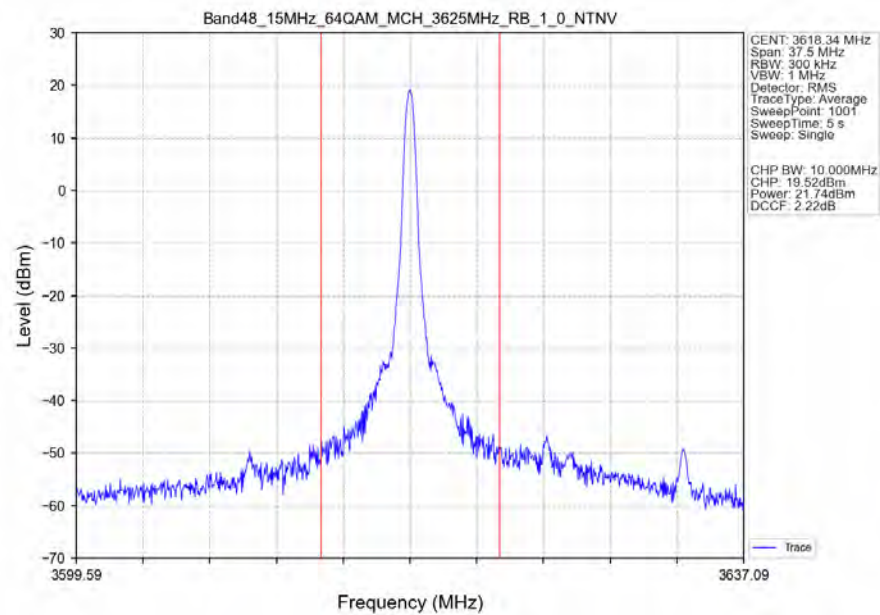
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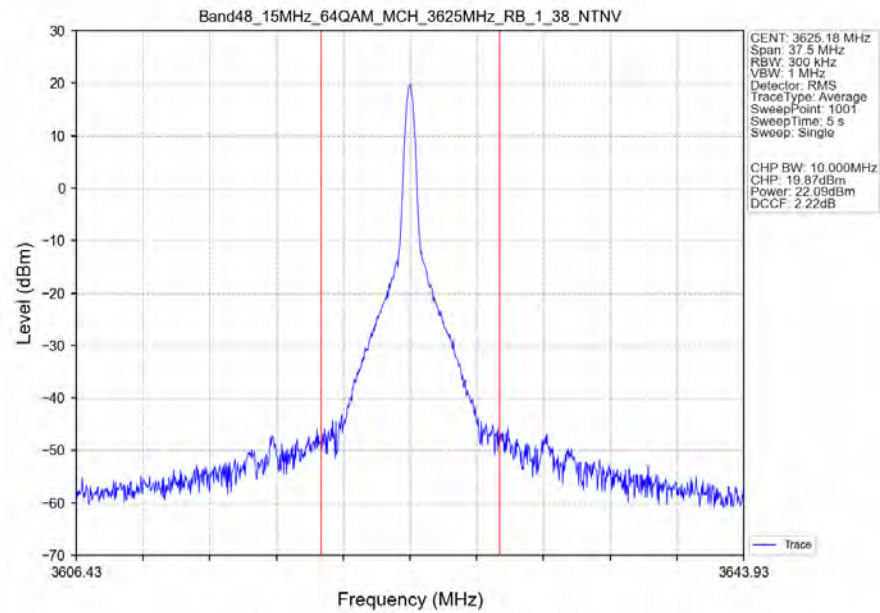
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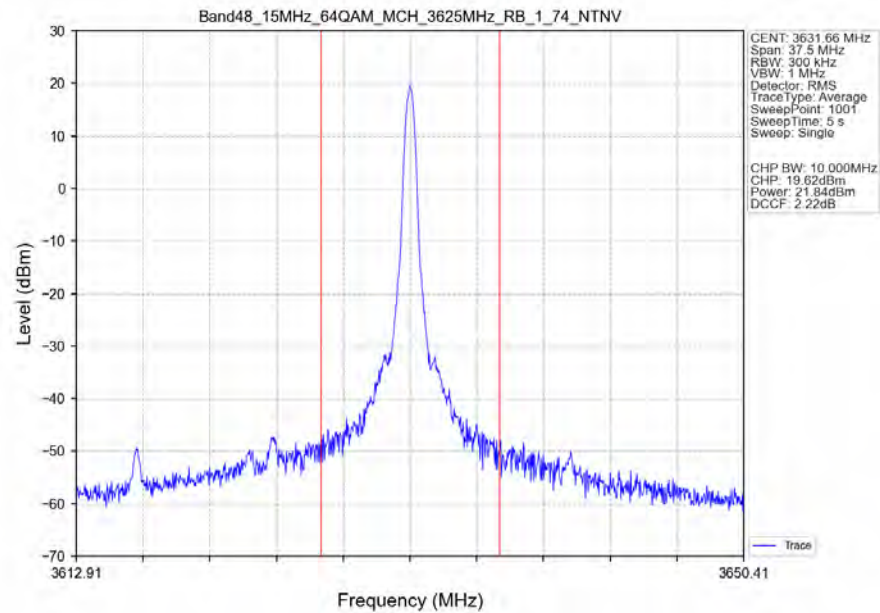
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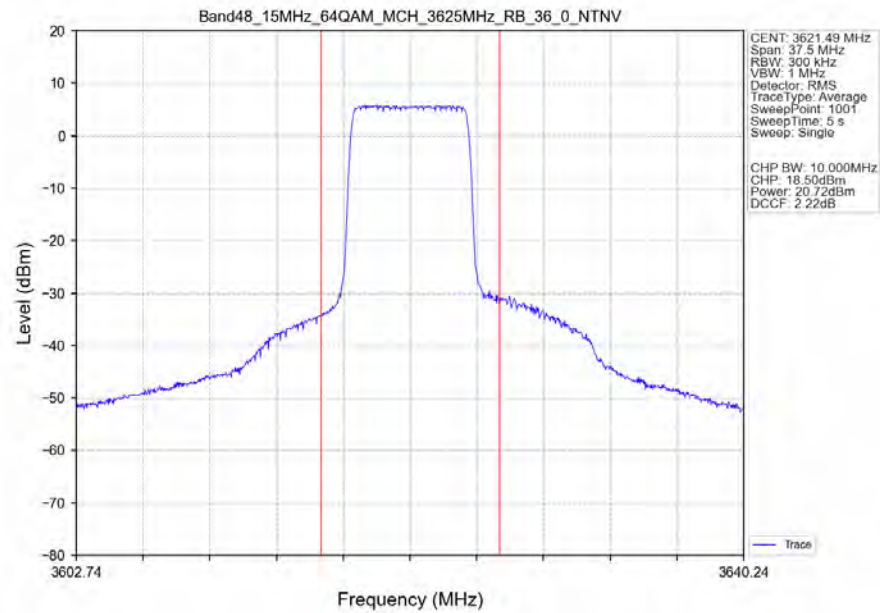
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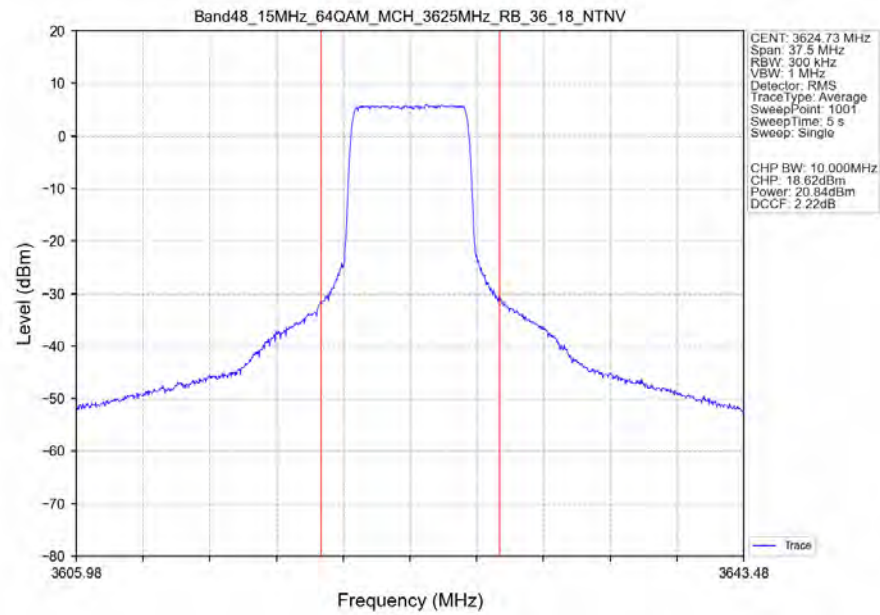
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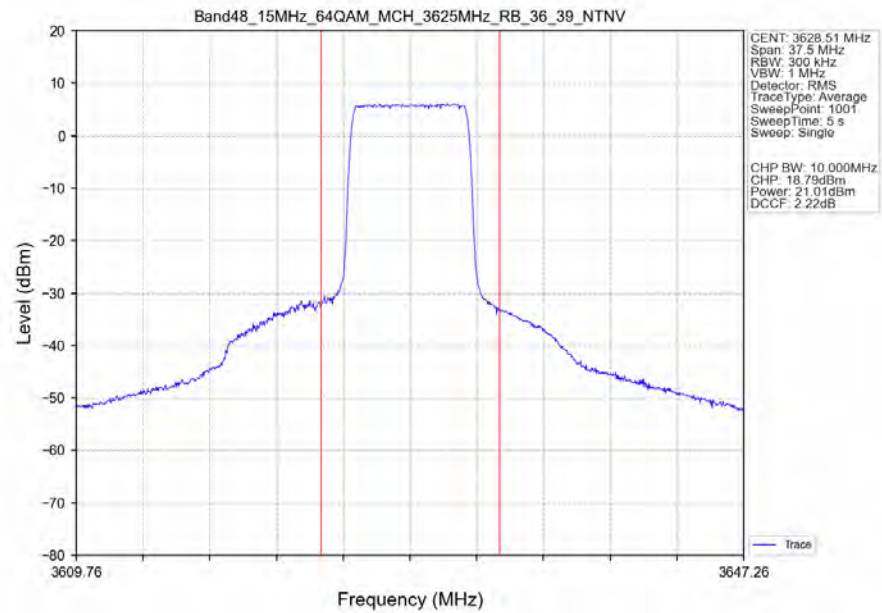
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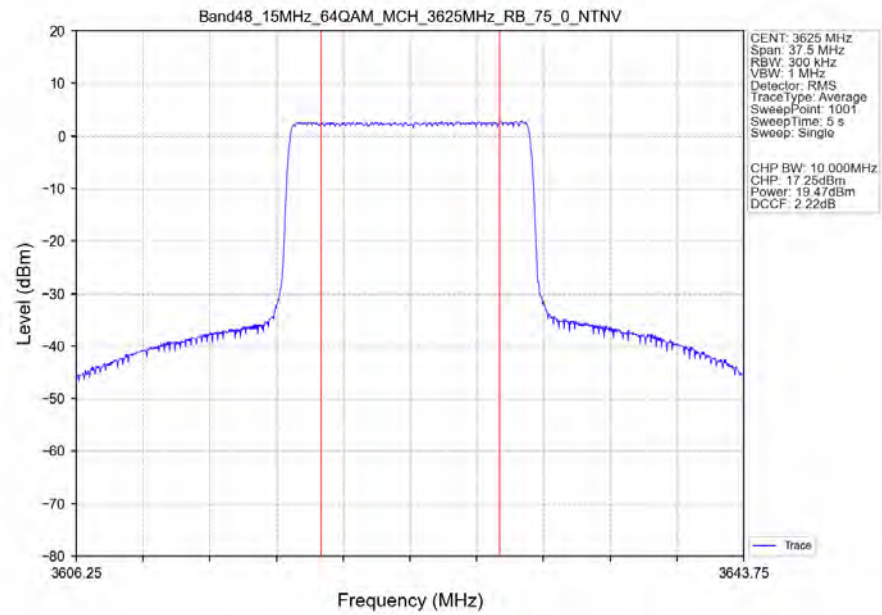
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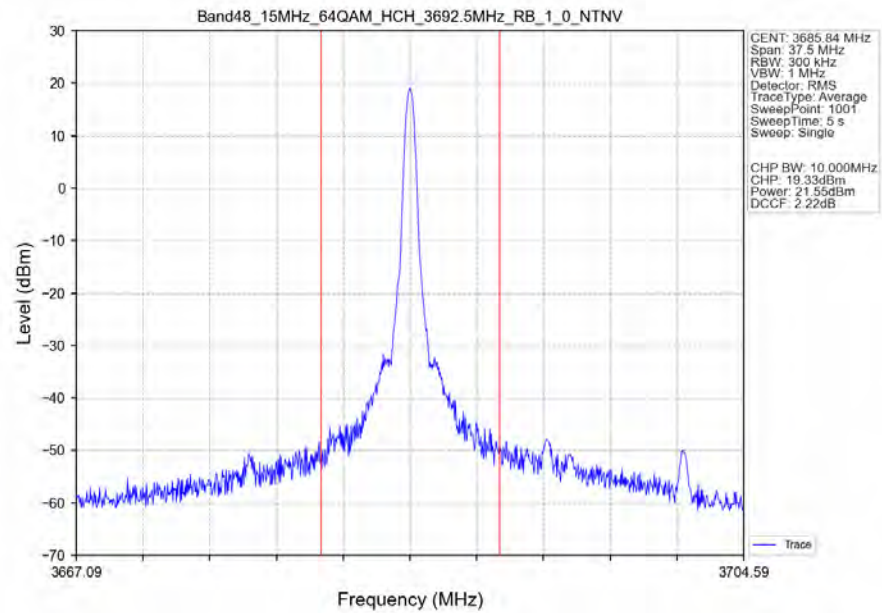
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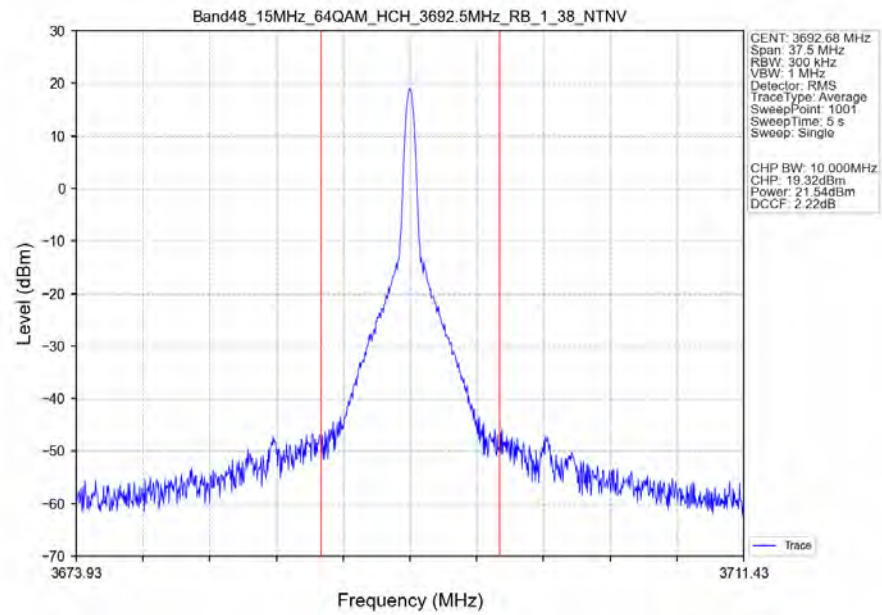
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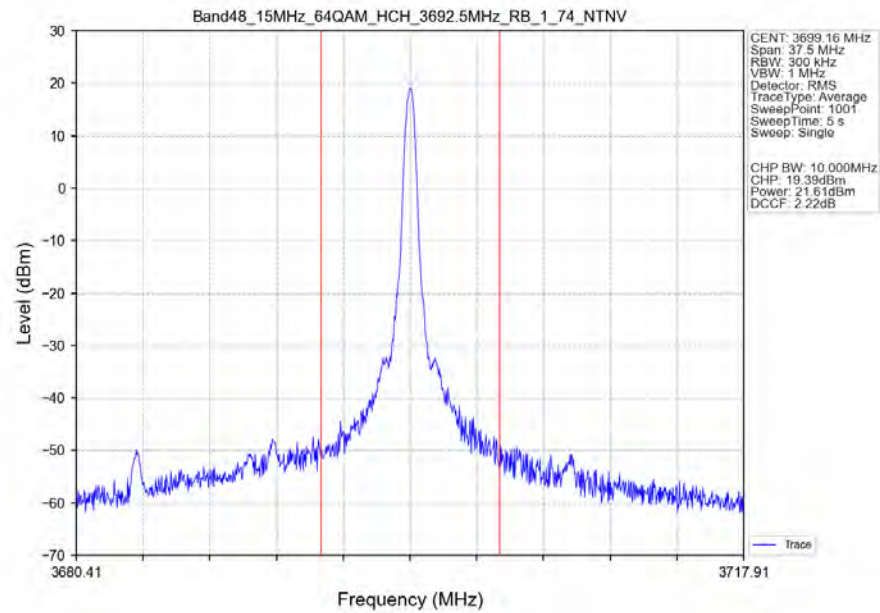
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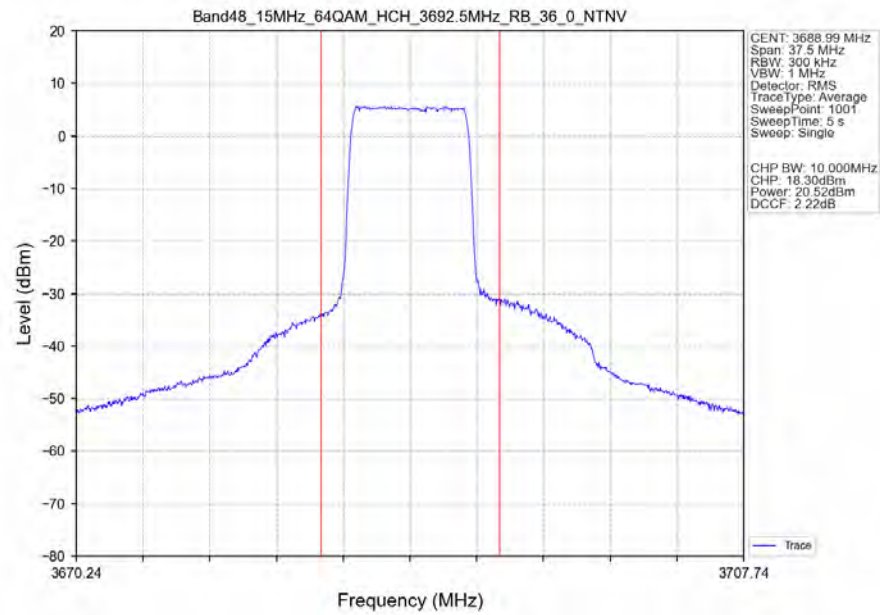
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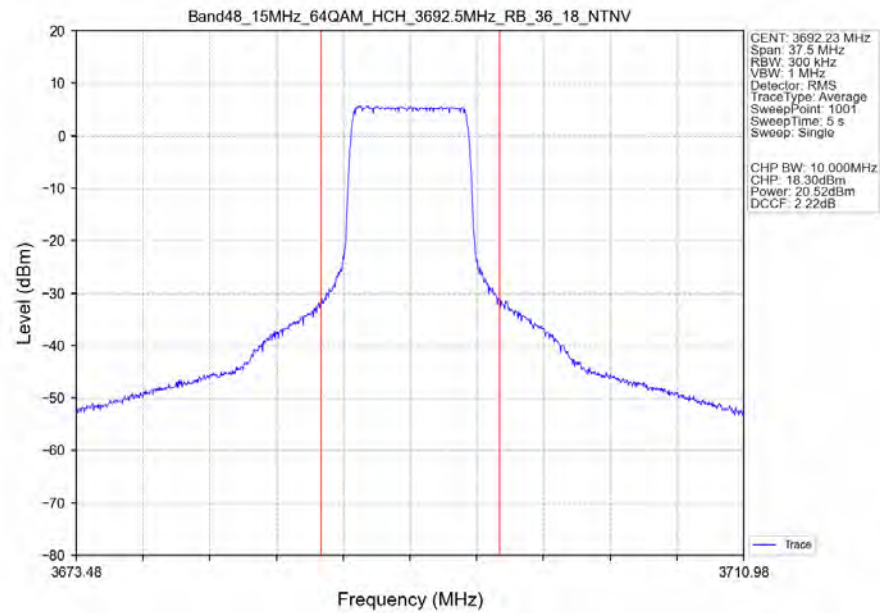
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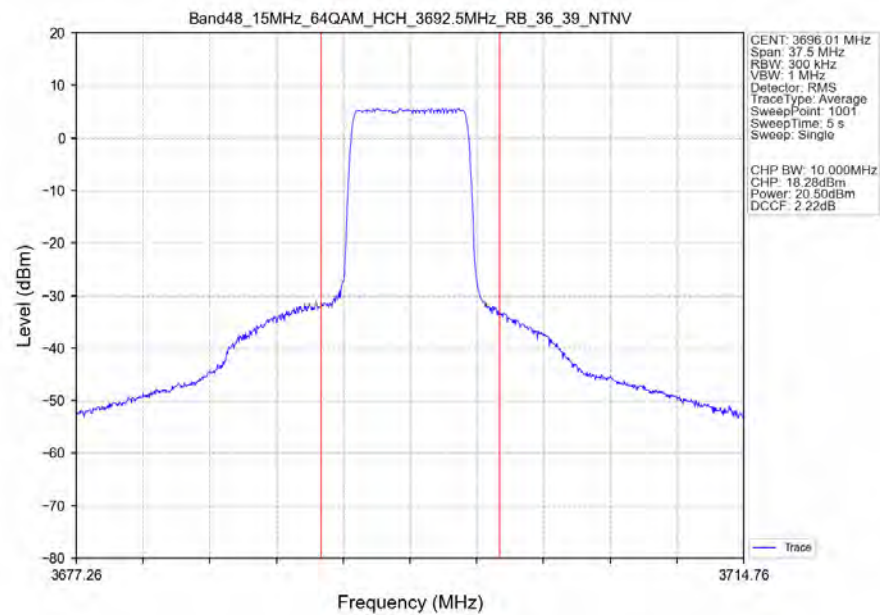
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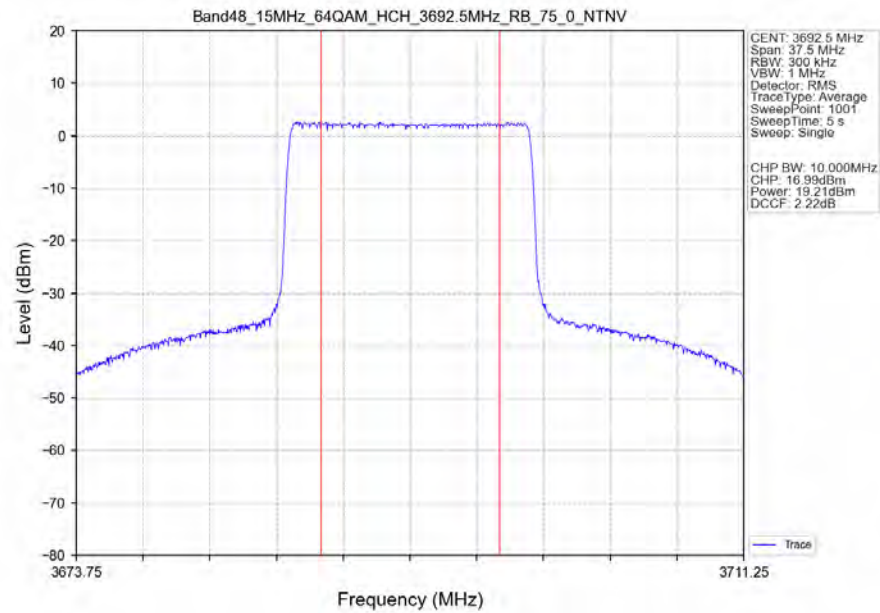
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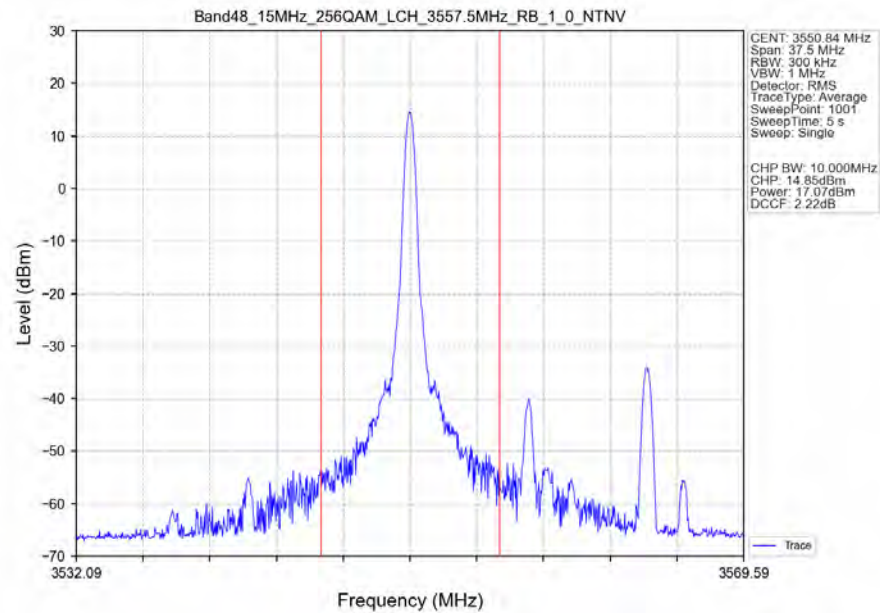
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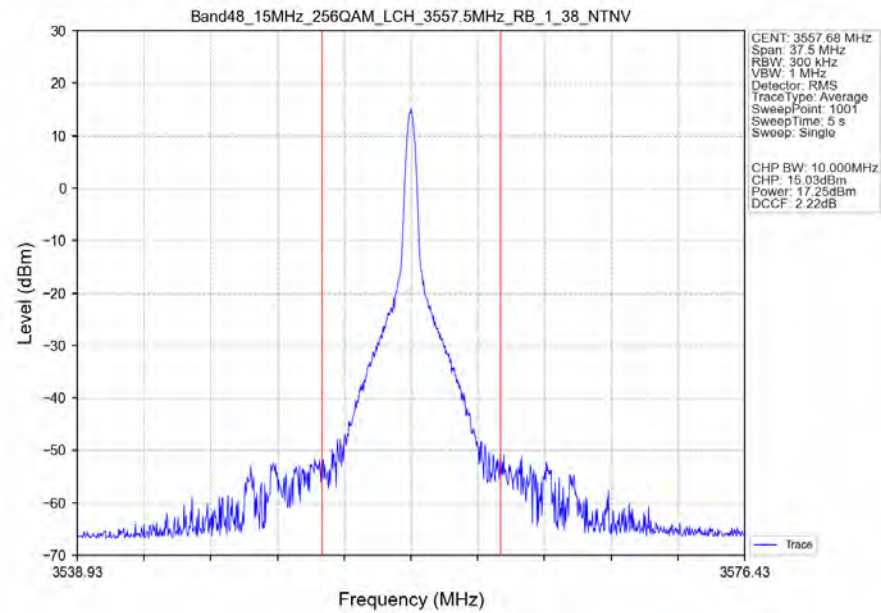
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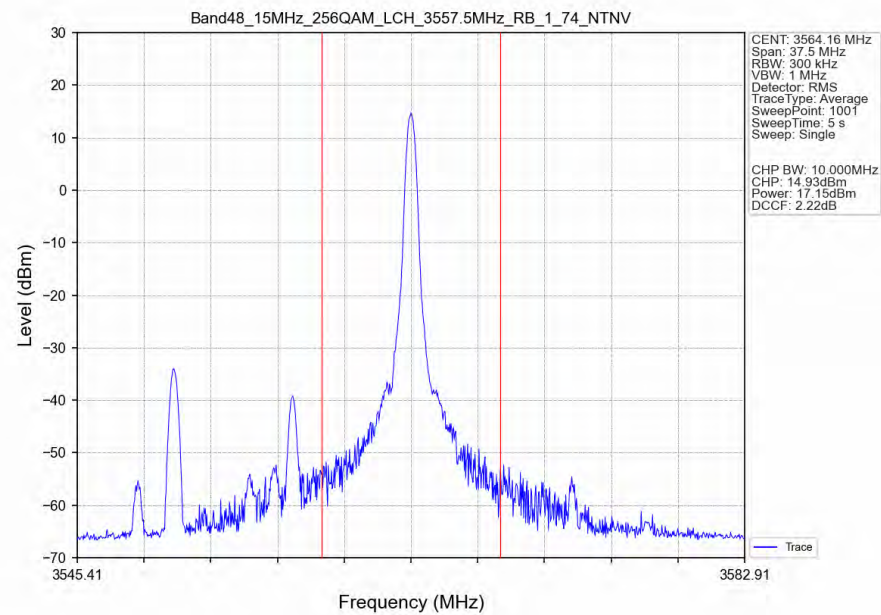
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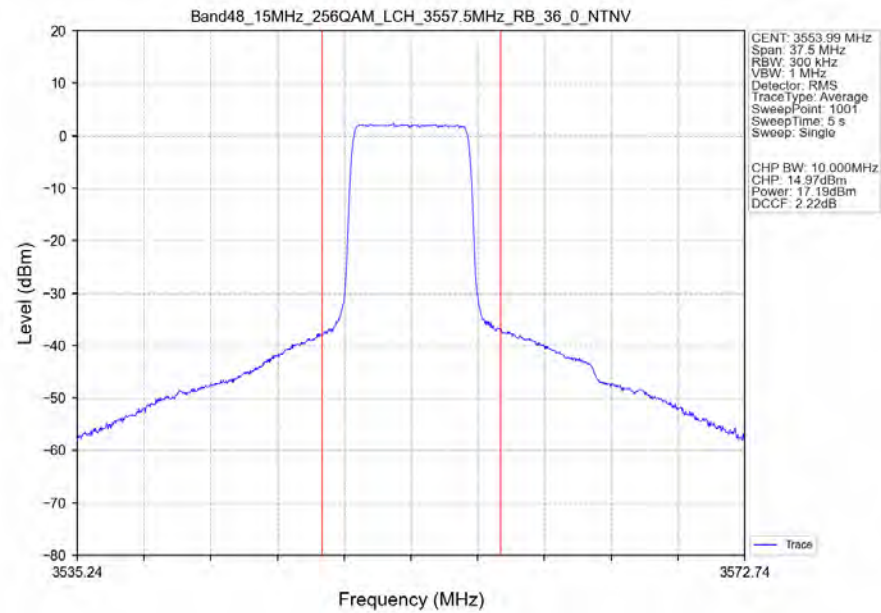
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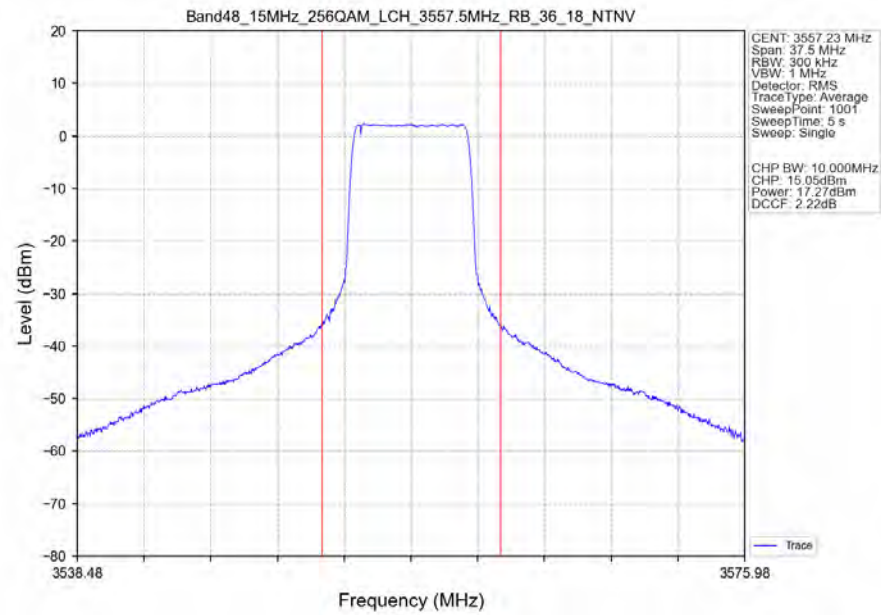
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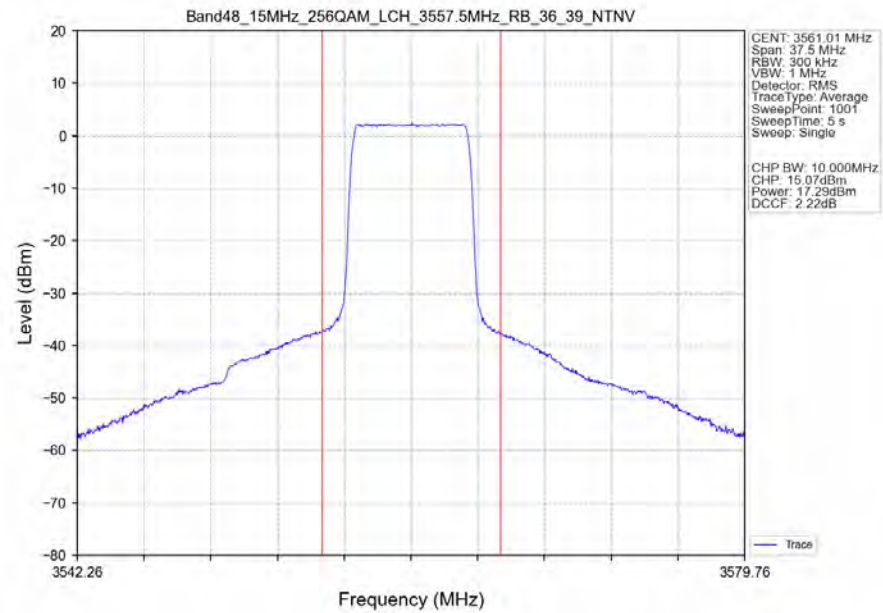
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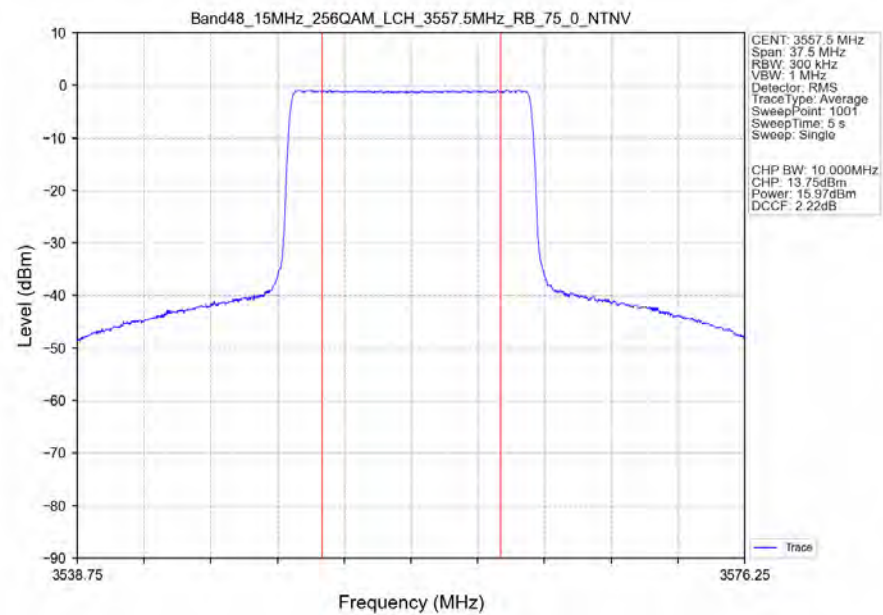
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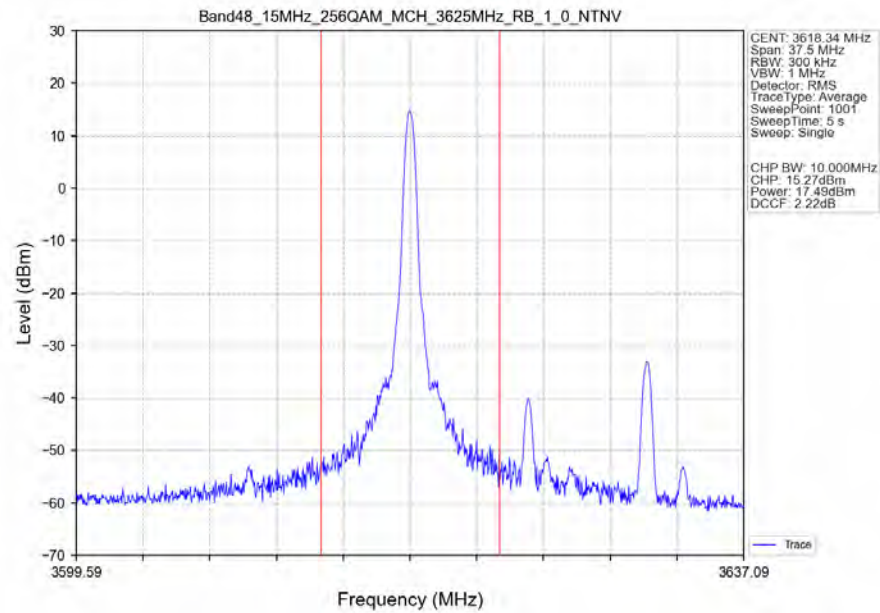
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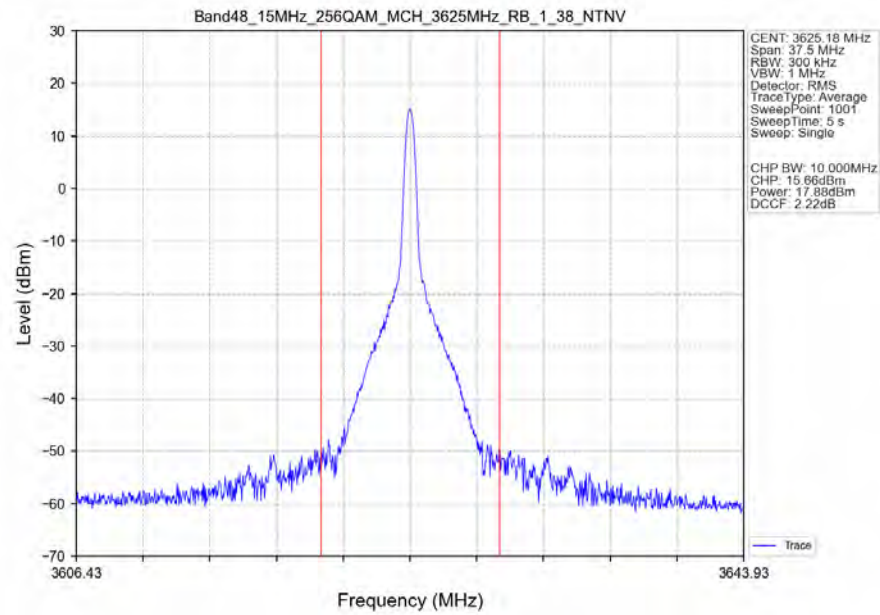
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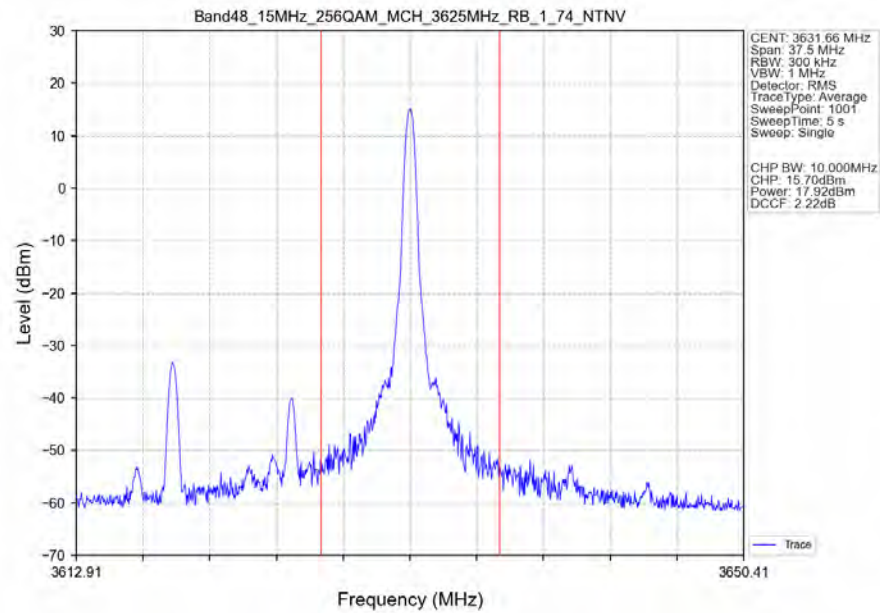
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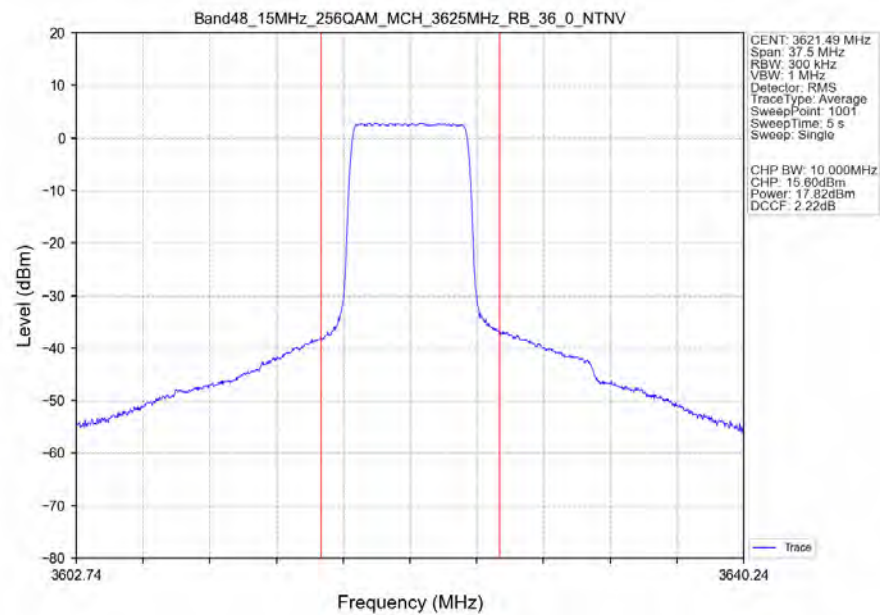
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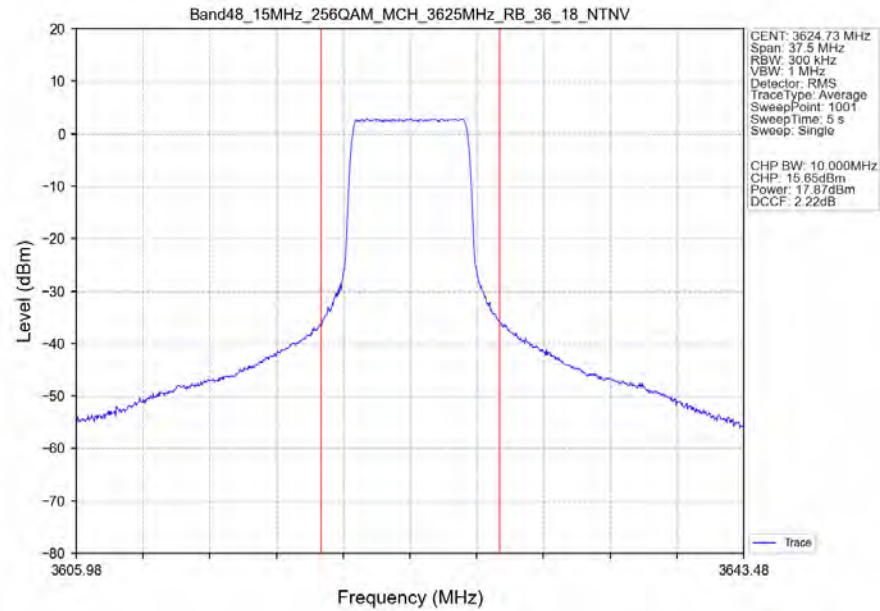
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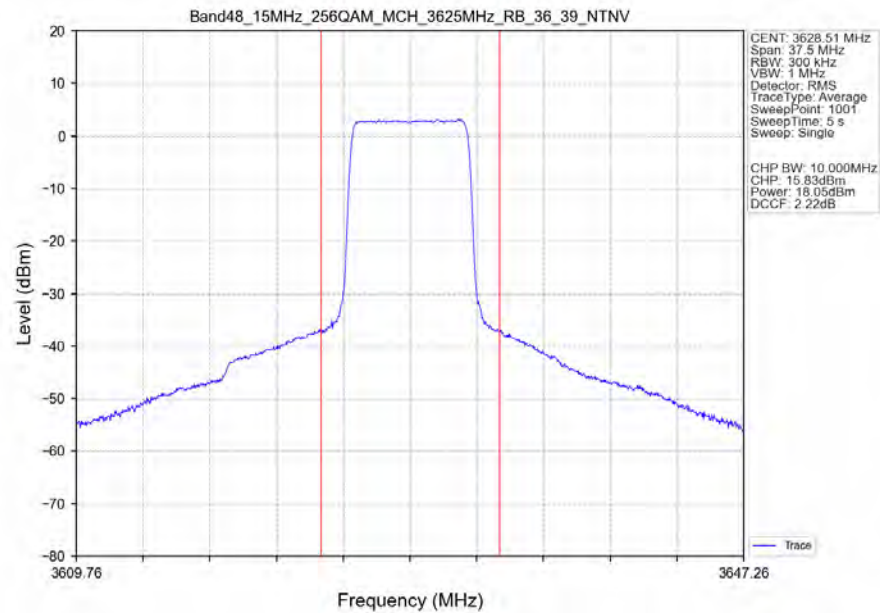
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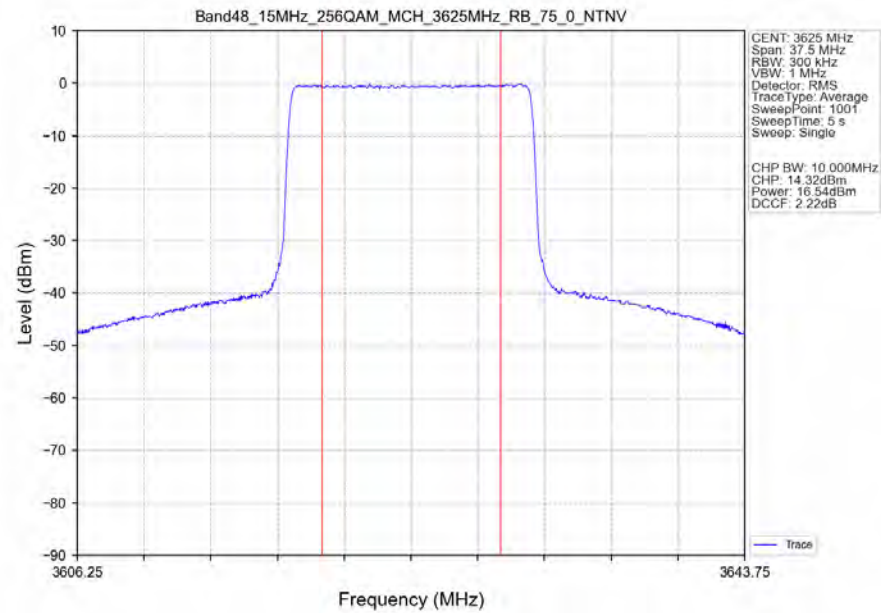
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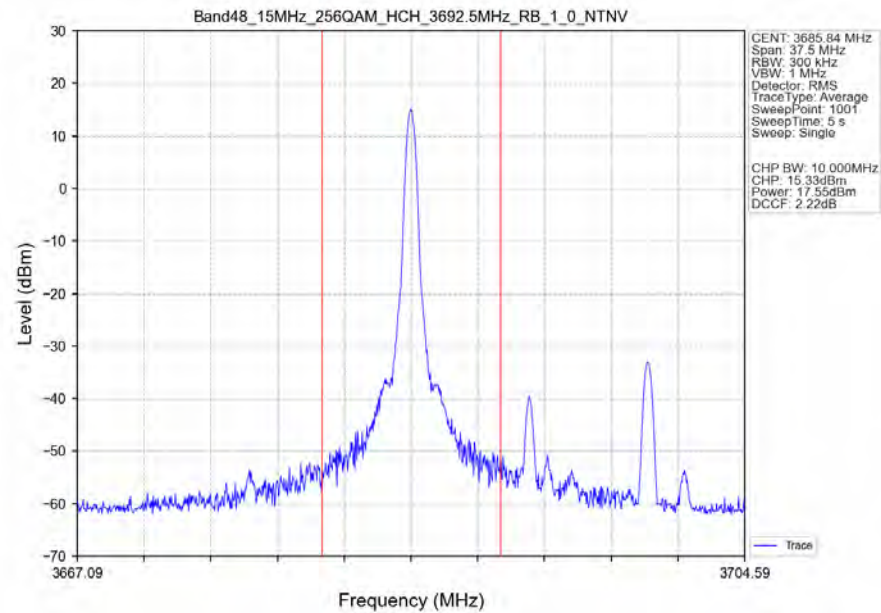
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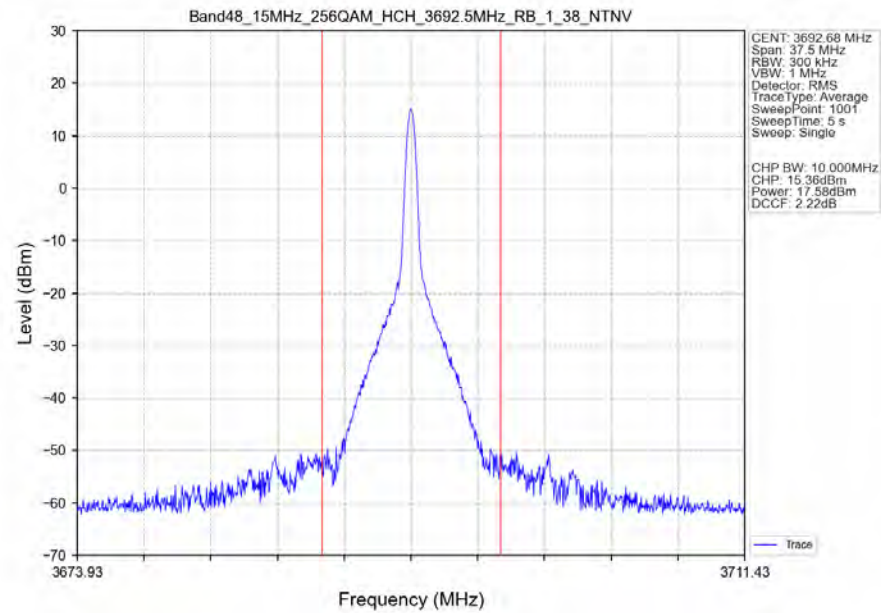
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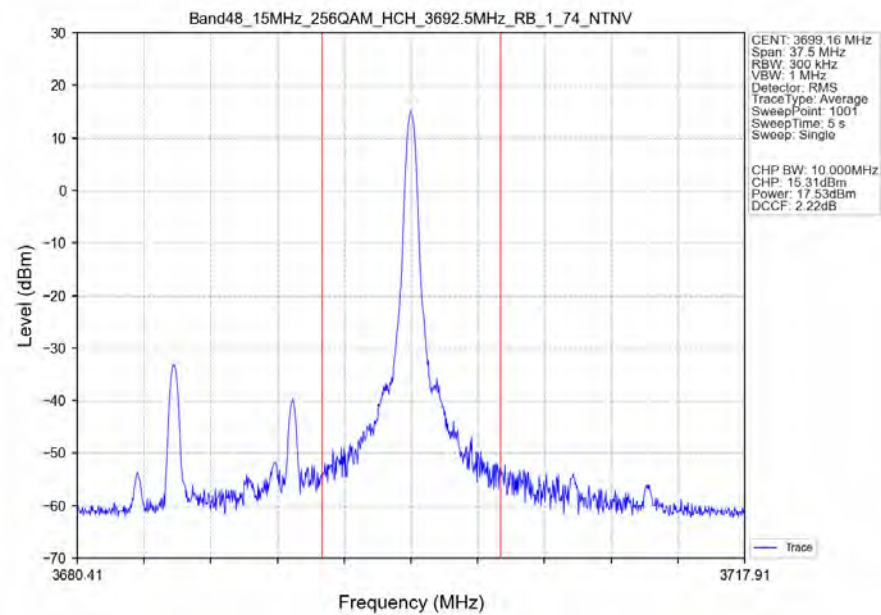
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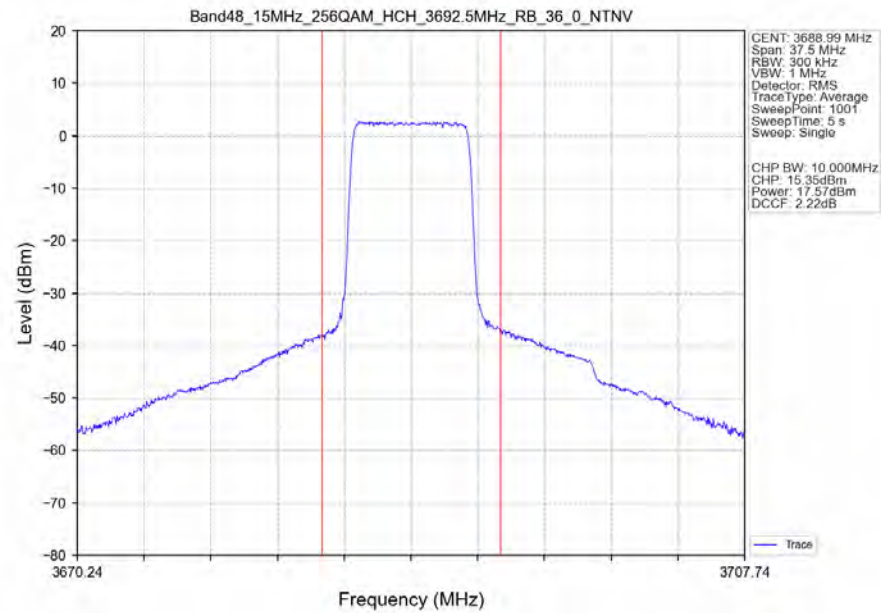
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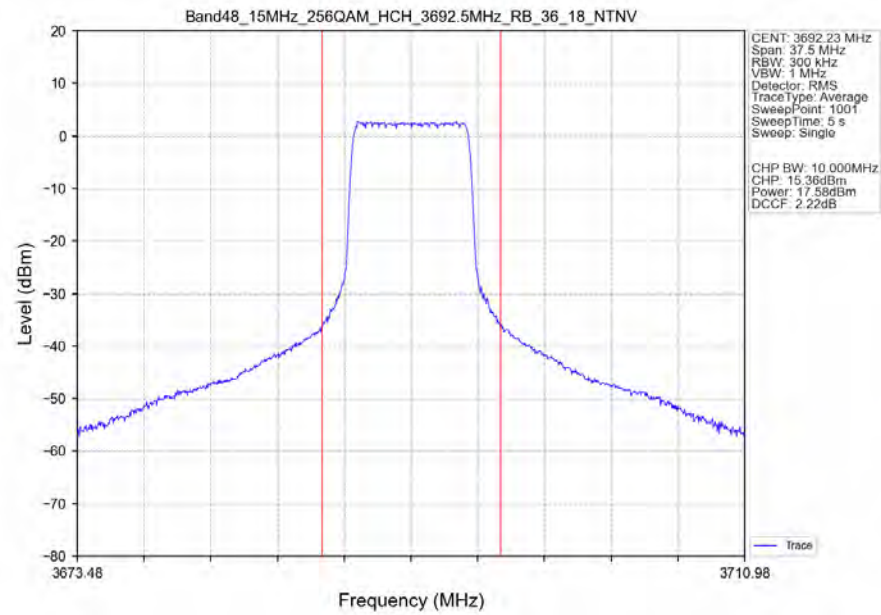
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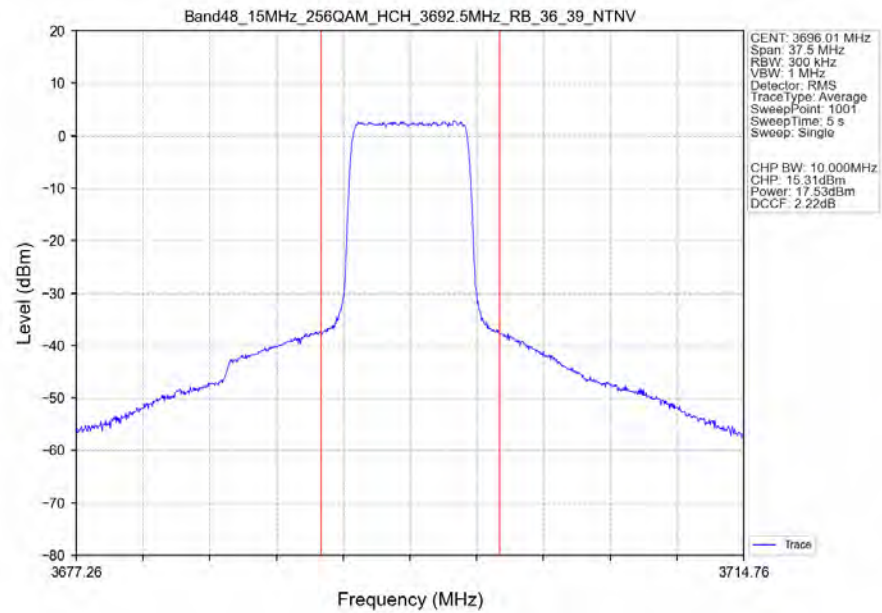
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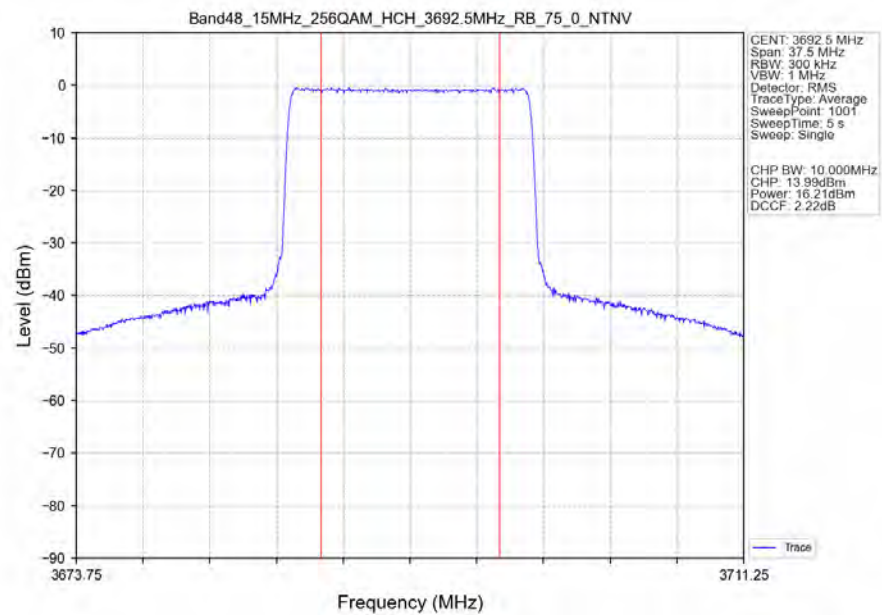
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Band48 15MHz 256QAM HCH 3692.5MHz RB 36 39 NTNV

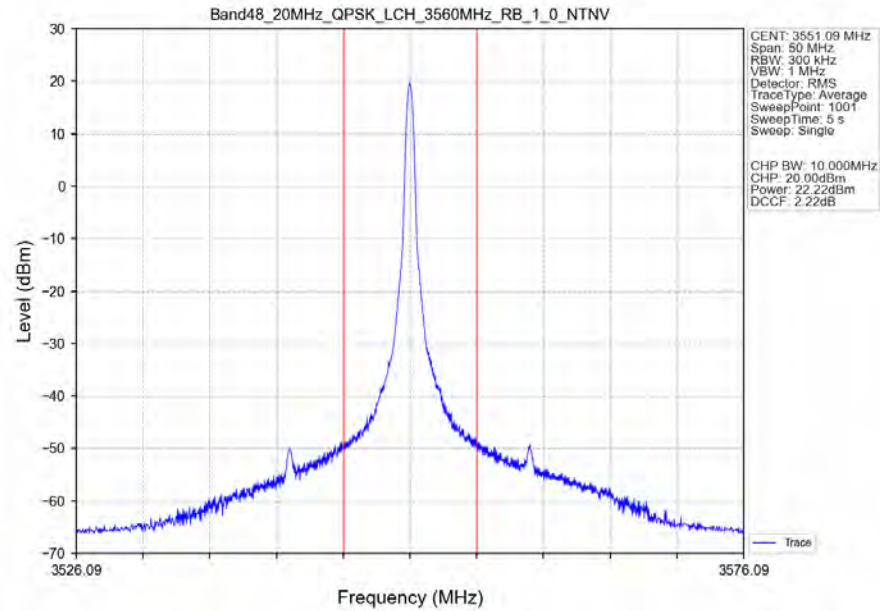


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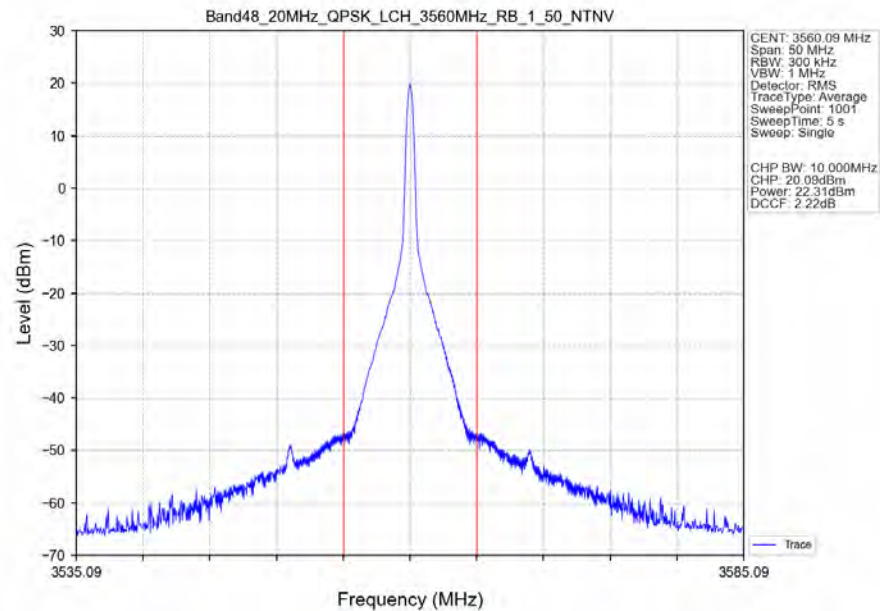


1.2.4 B48_20MHz_EIRP/10MHz

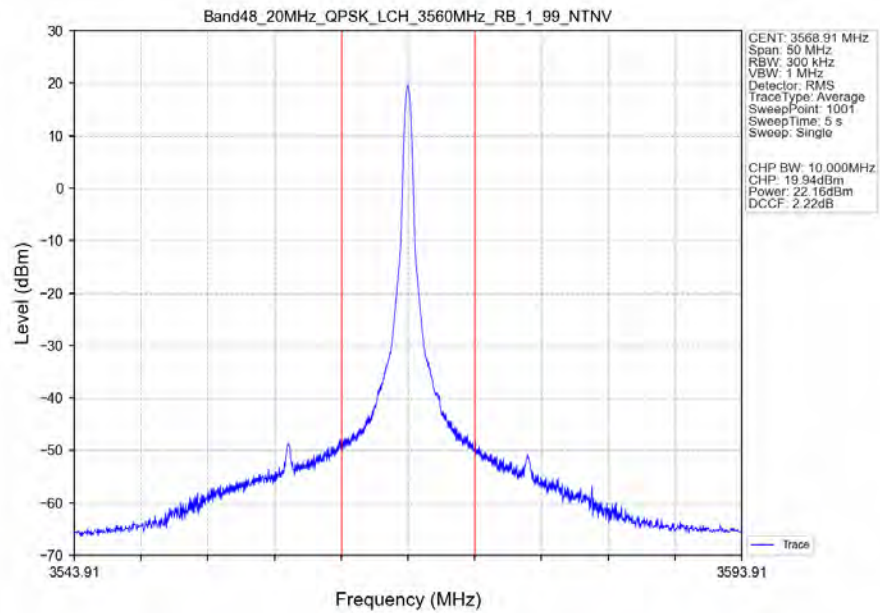
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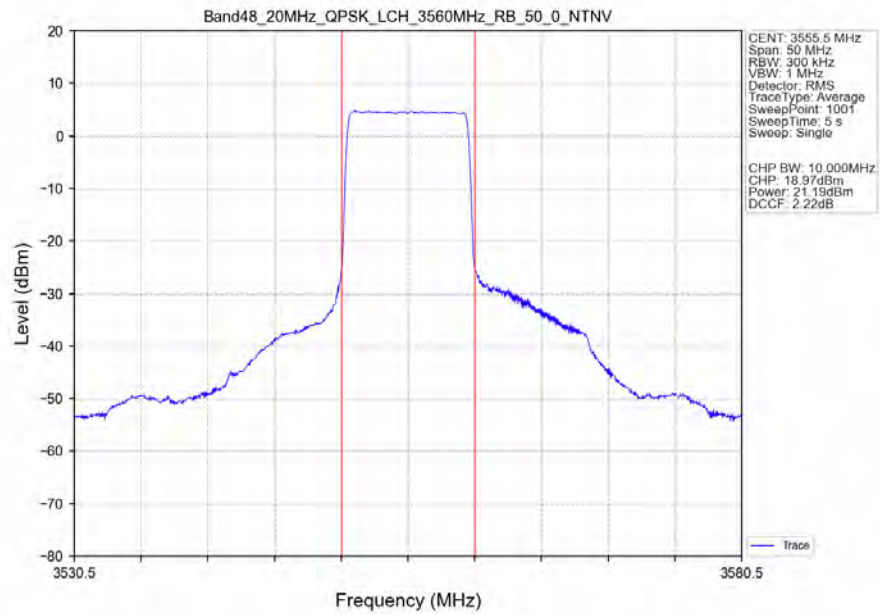
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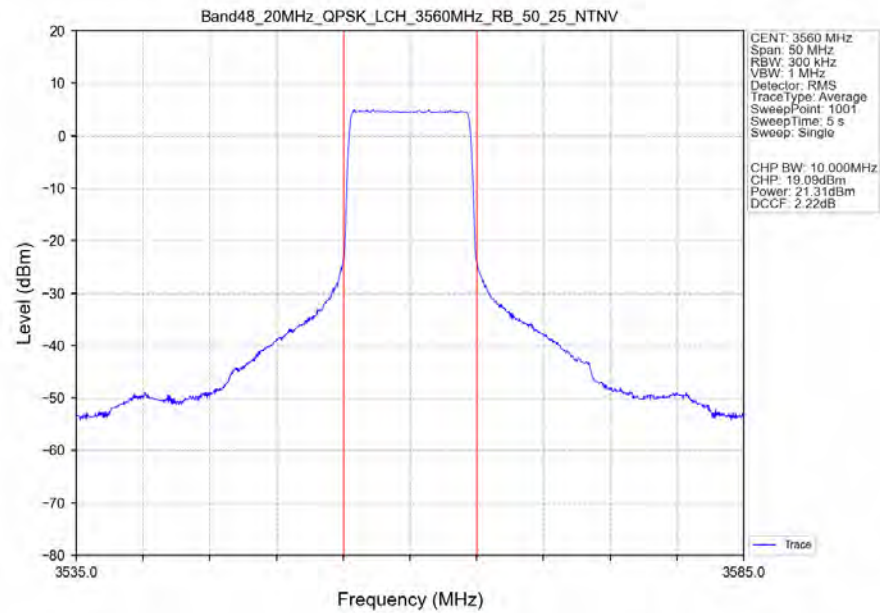
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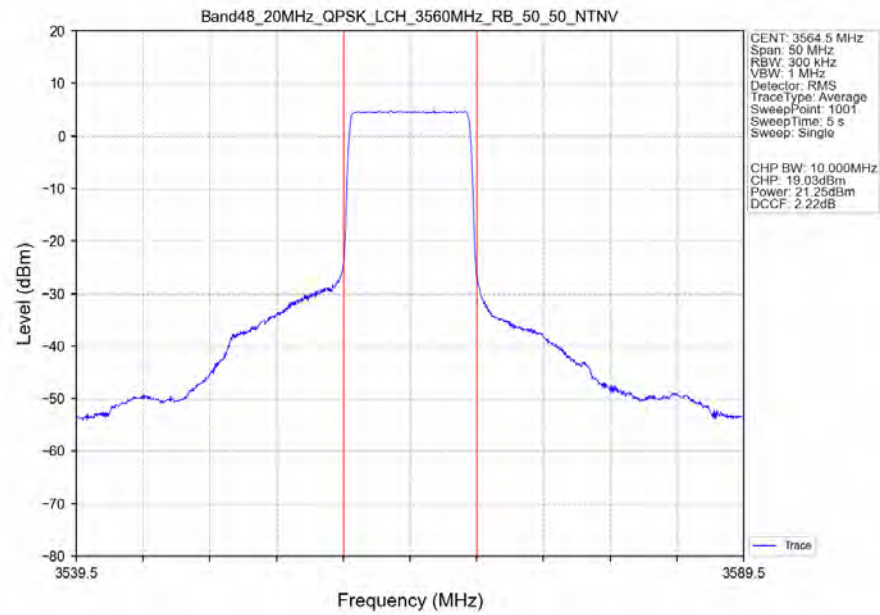
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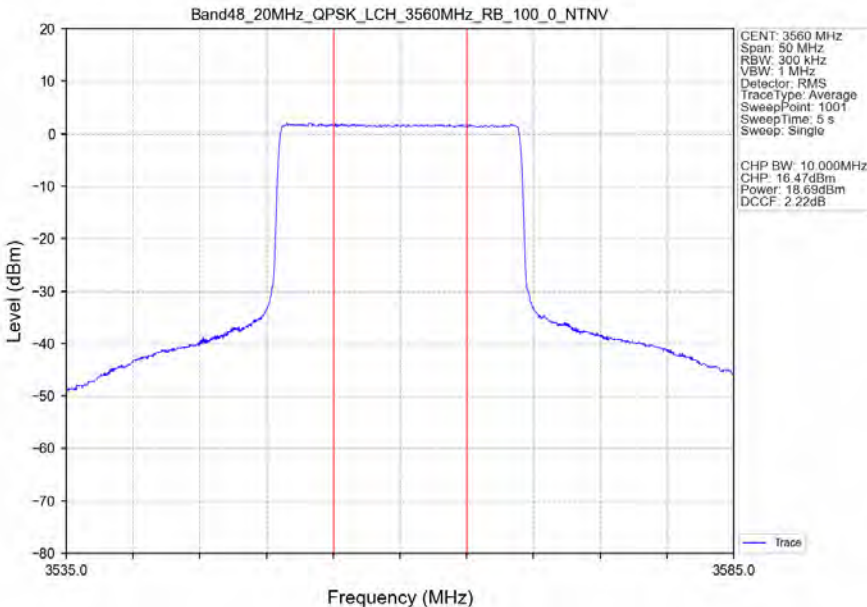
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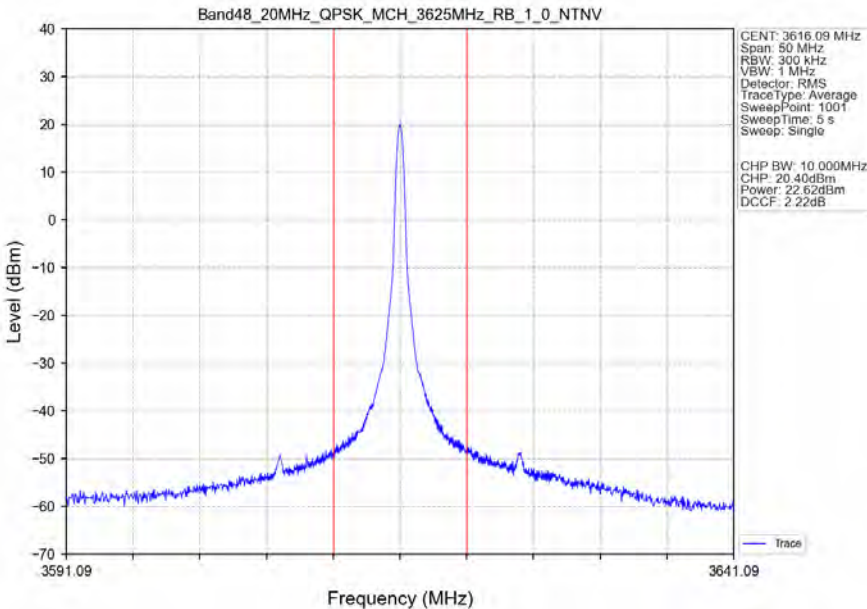
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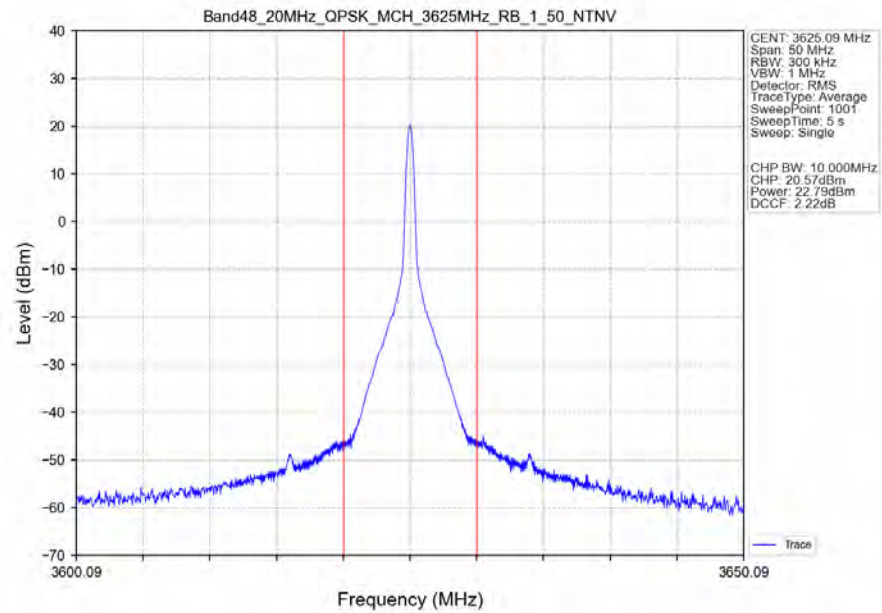
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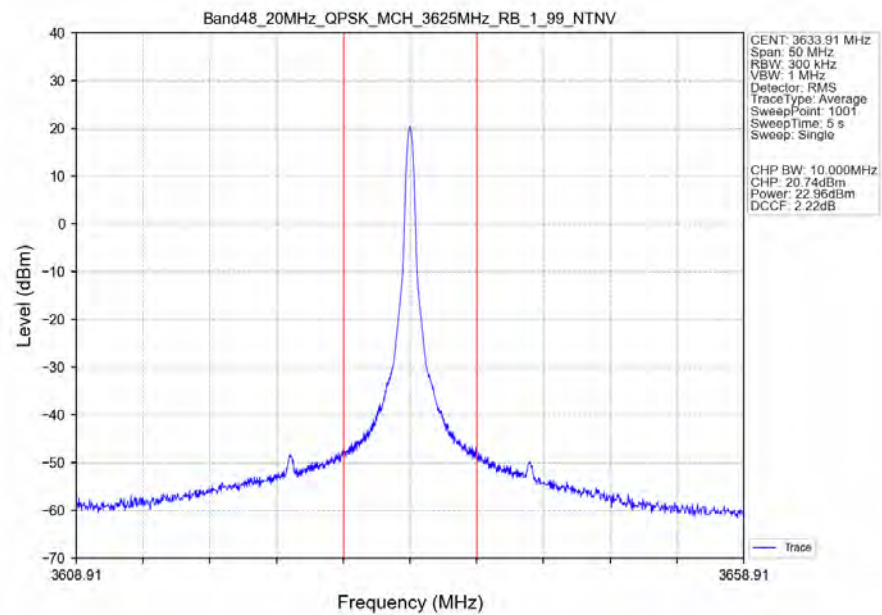
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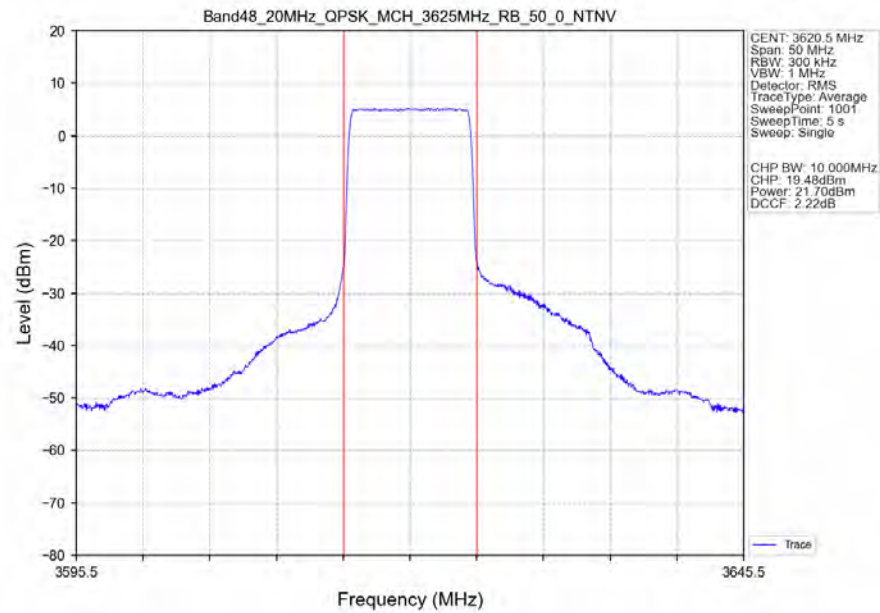
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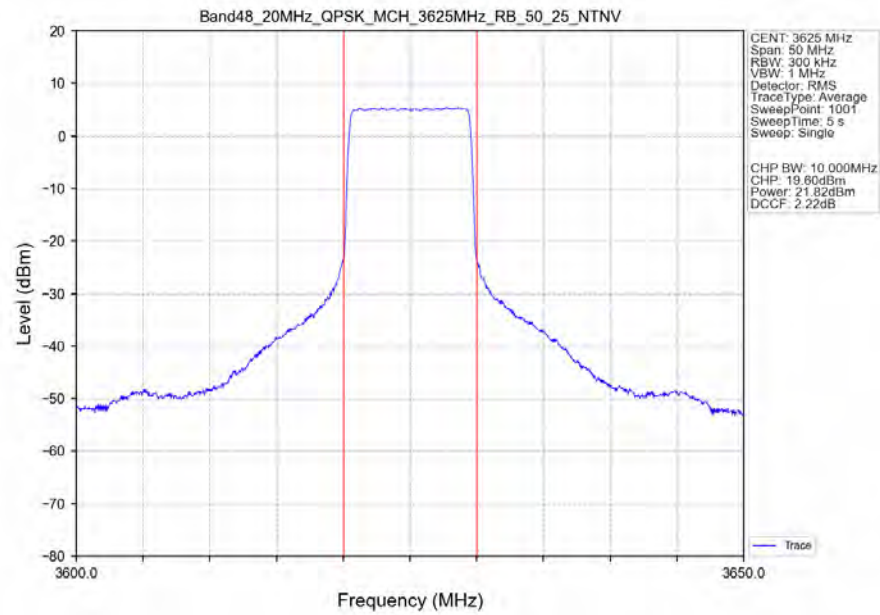
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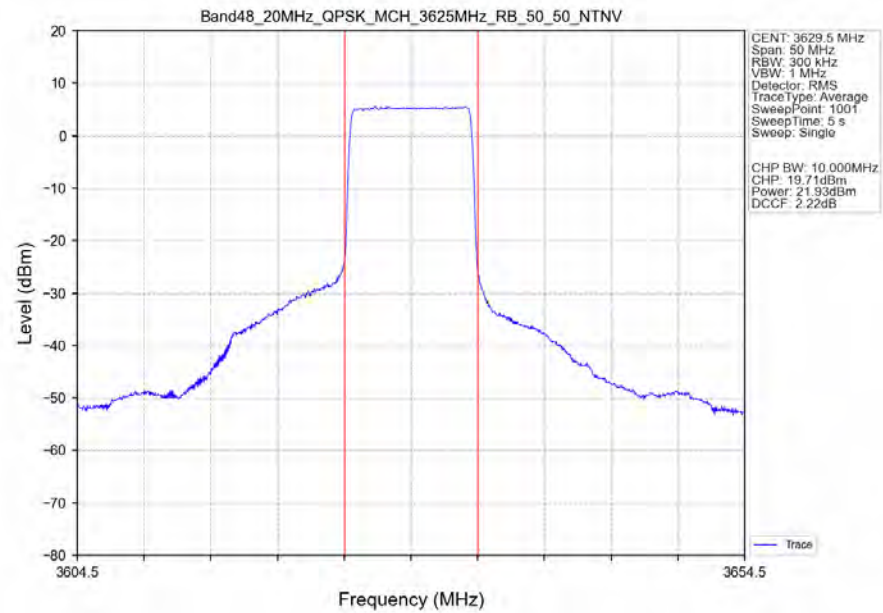
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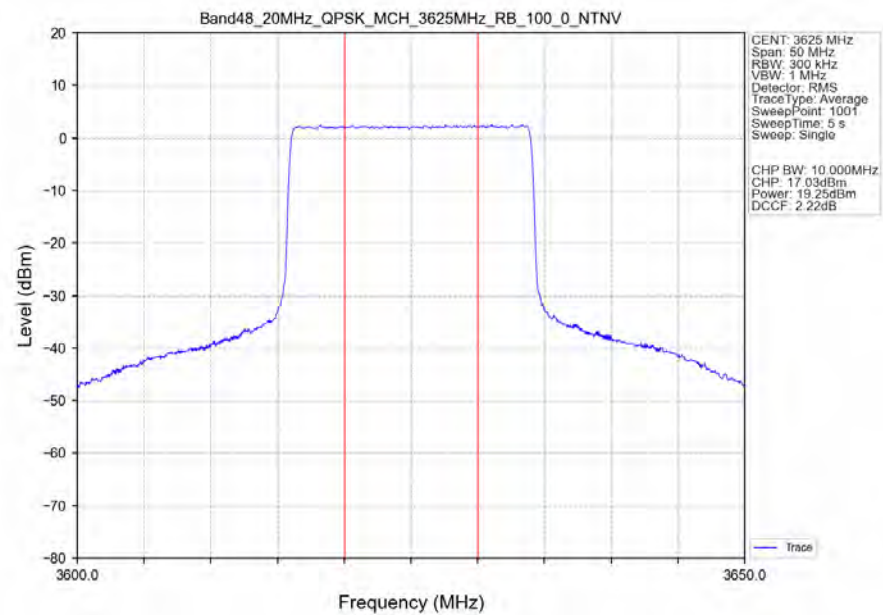
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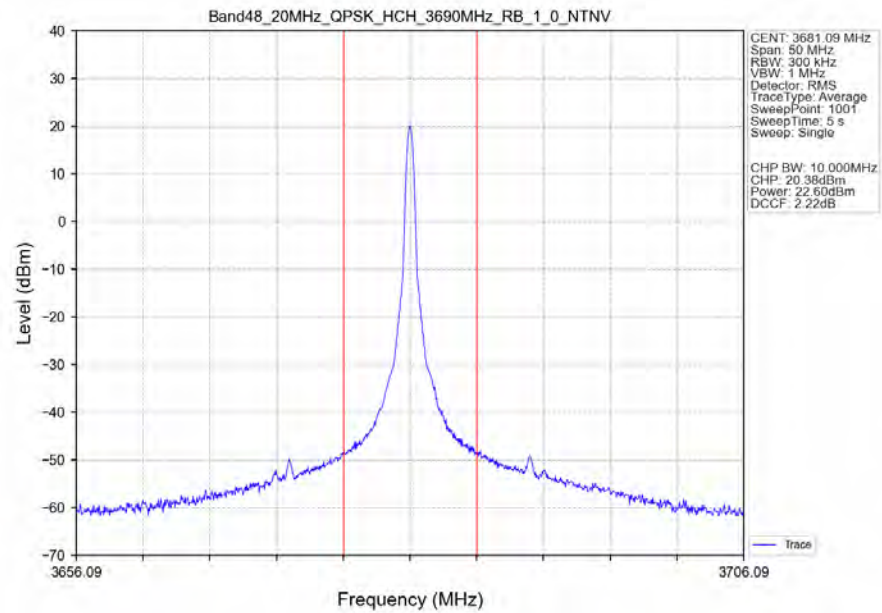
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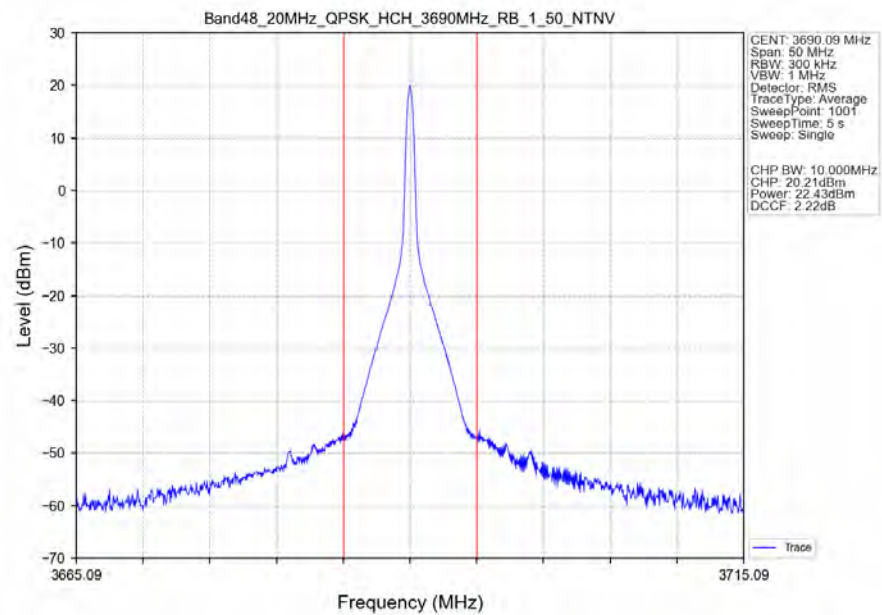
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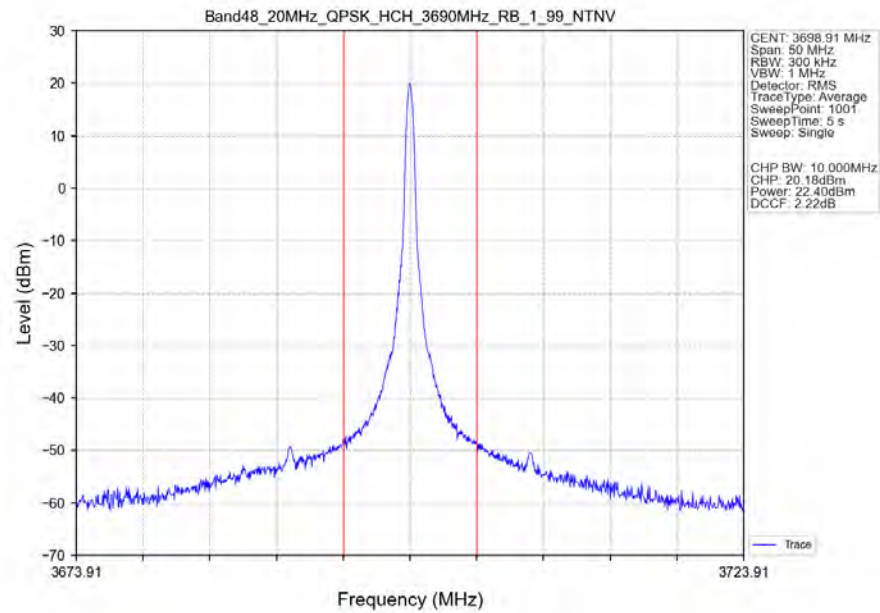
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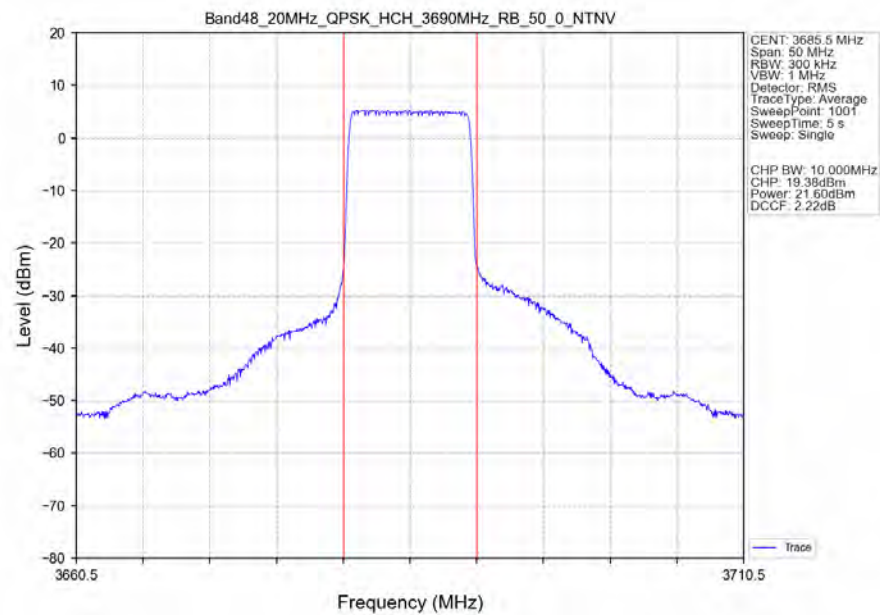
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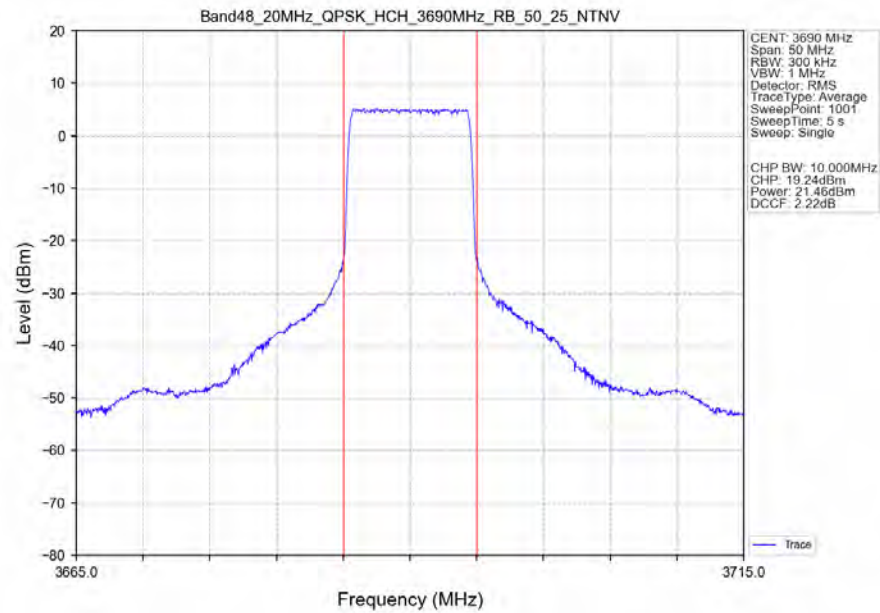
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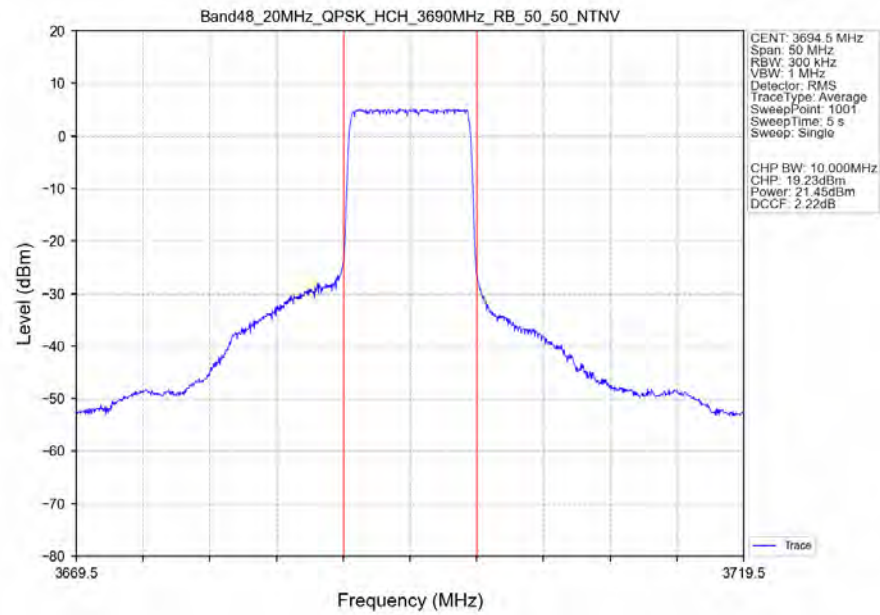
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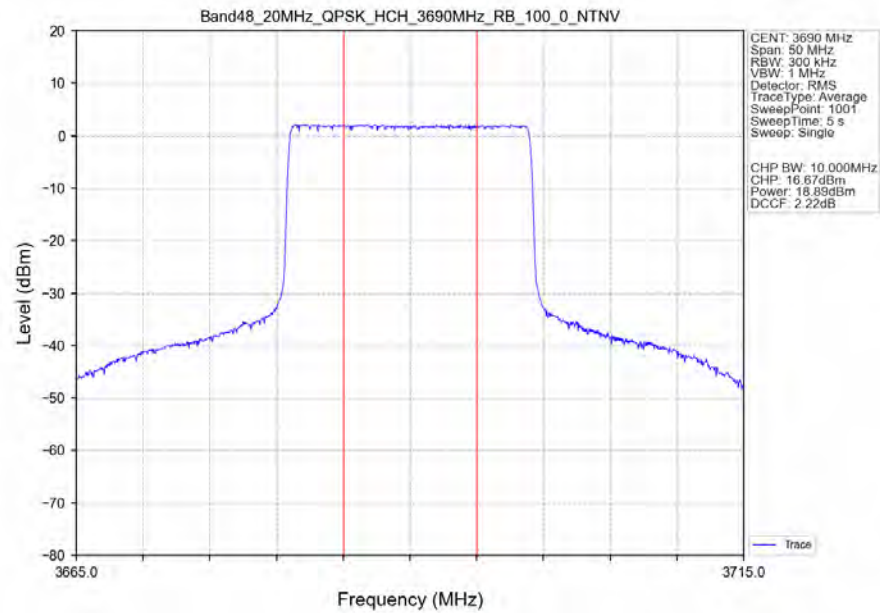
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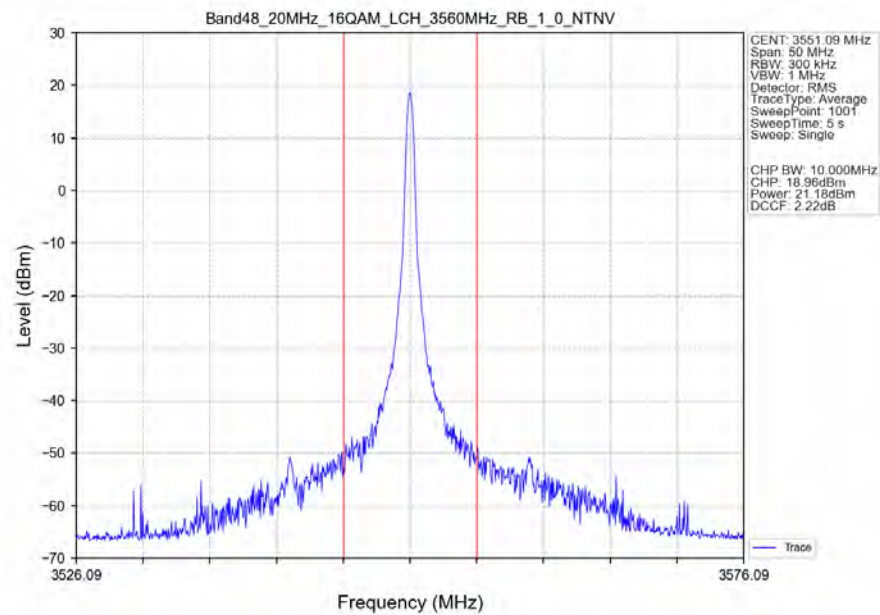
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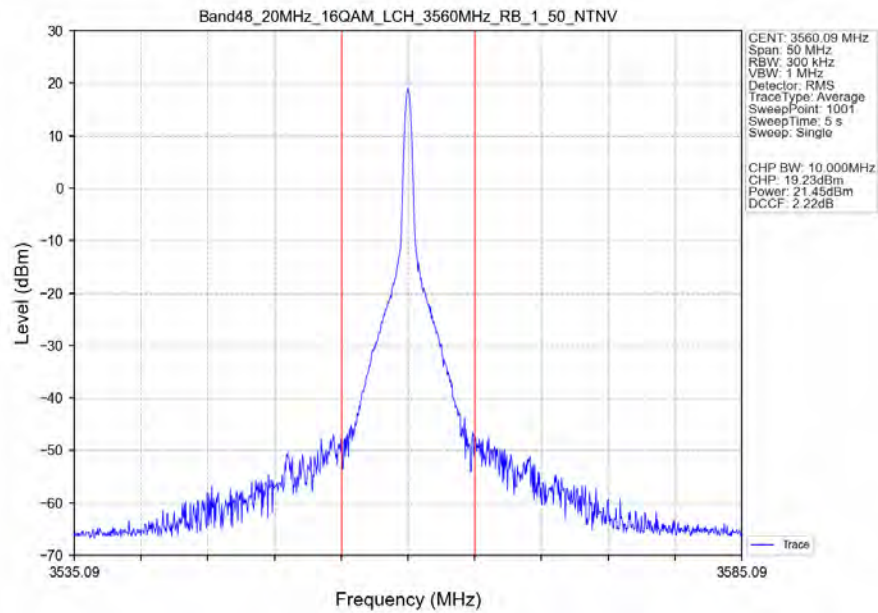
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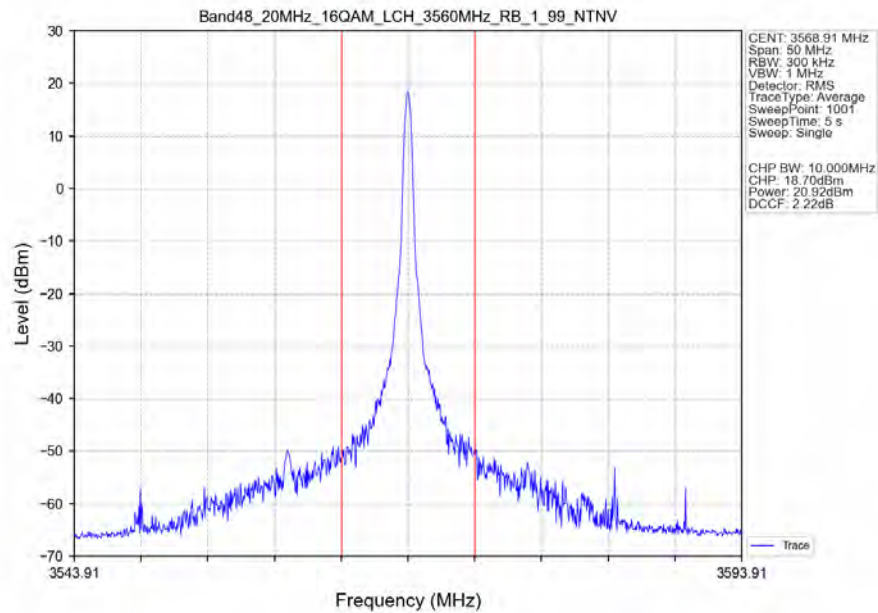
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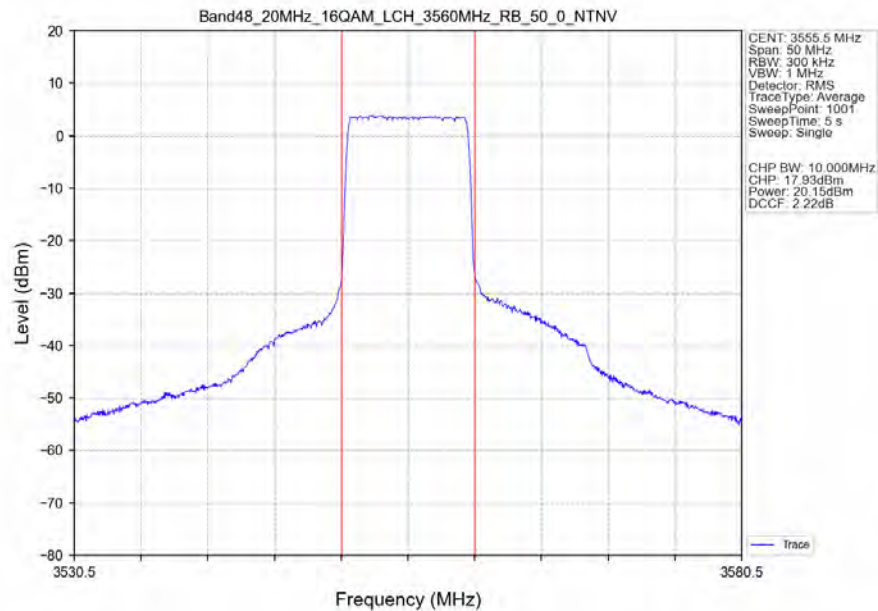
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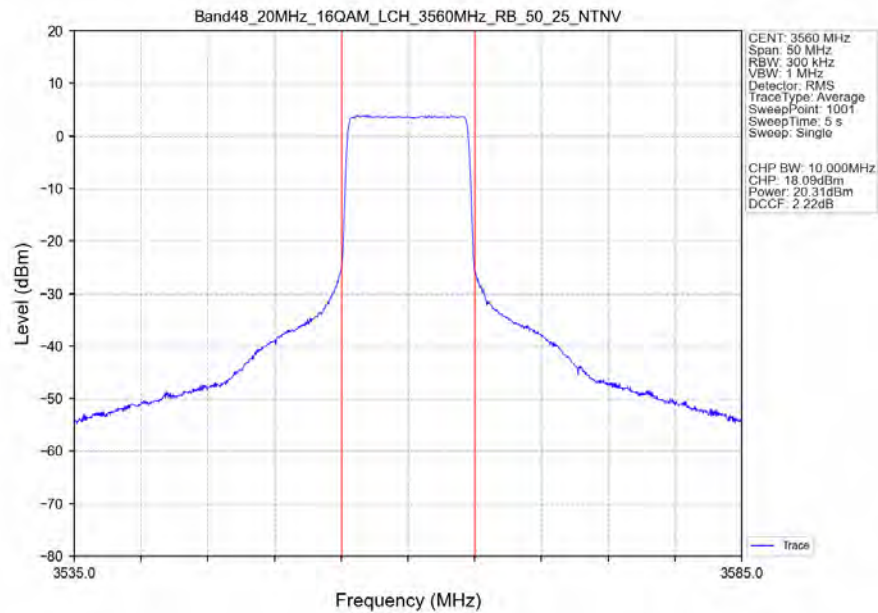
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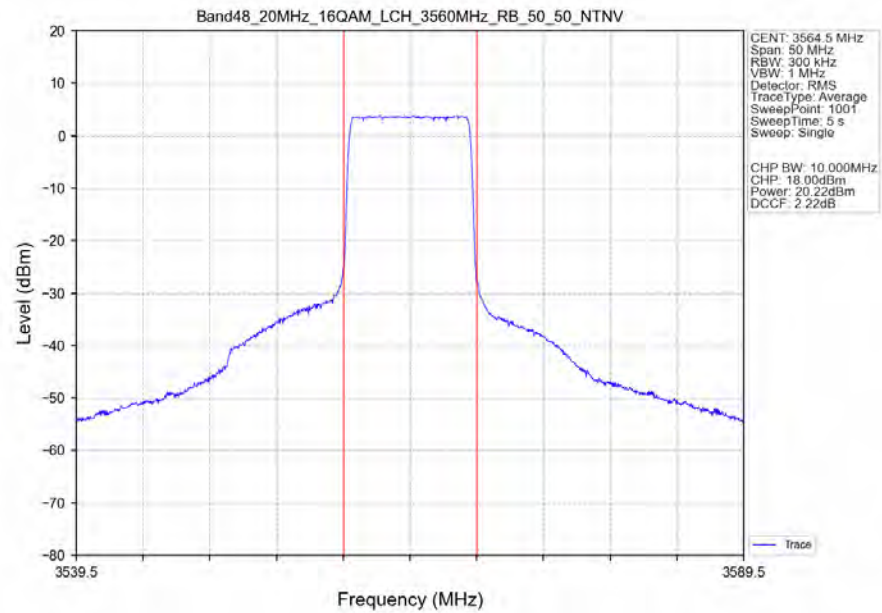
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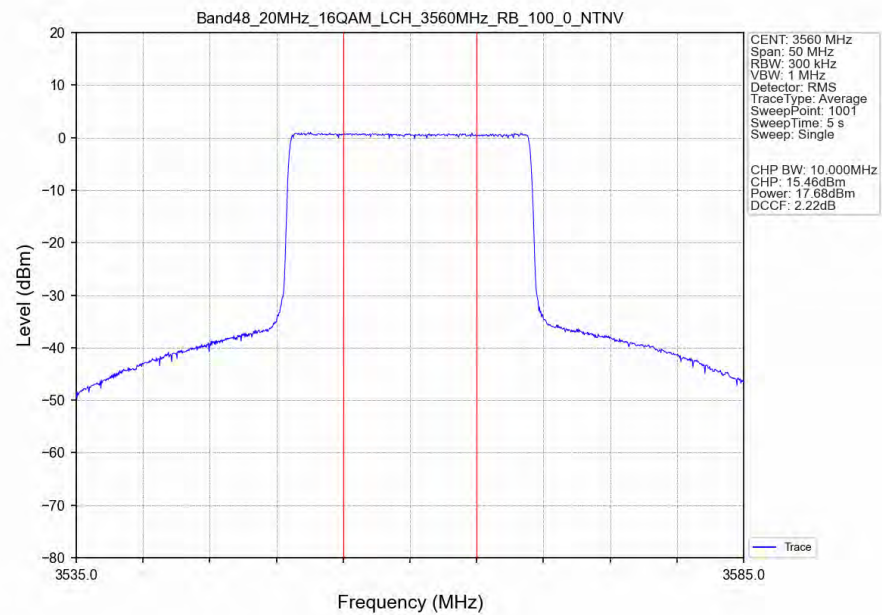
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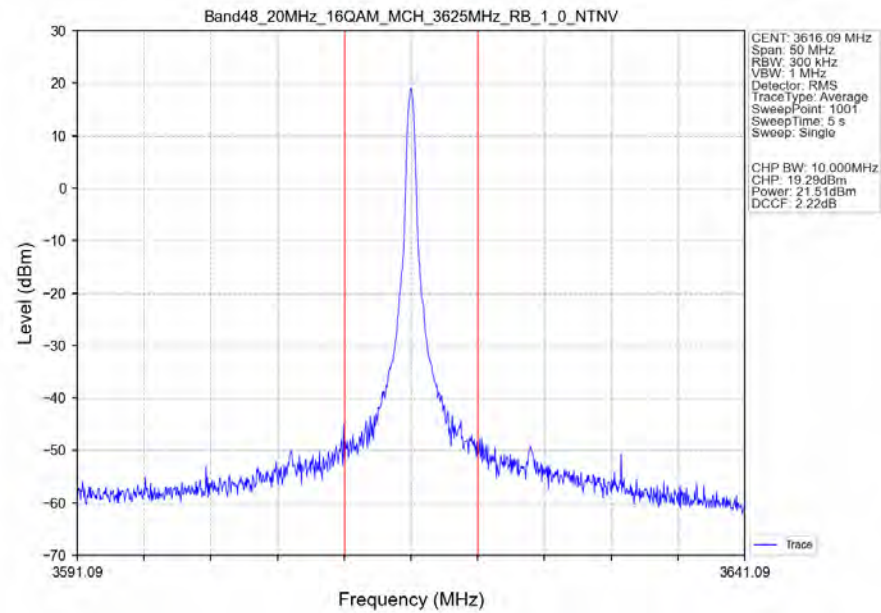
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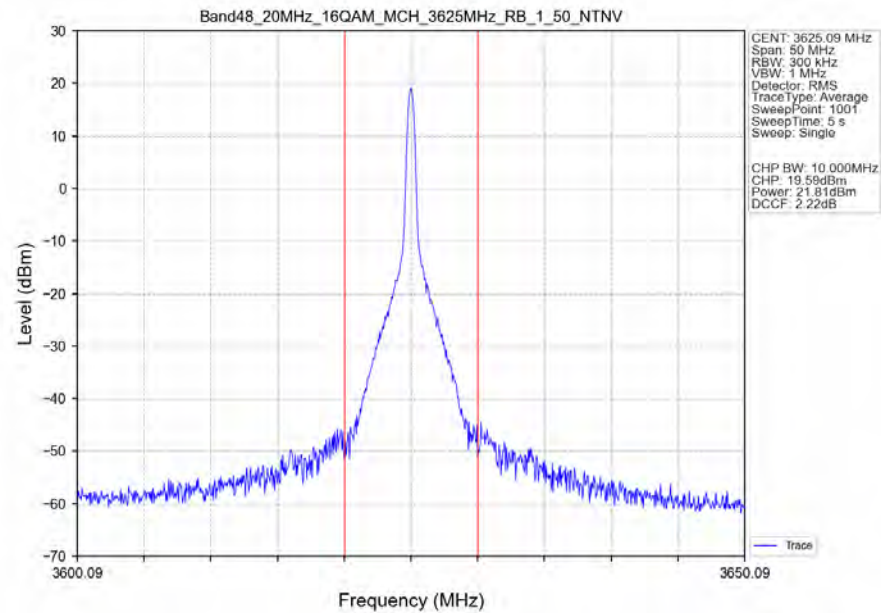
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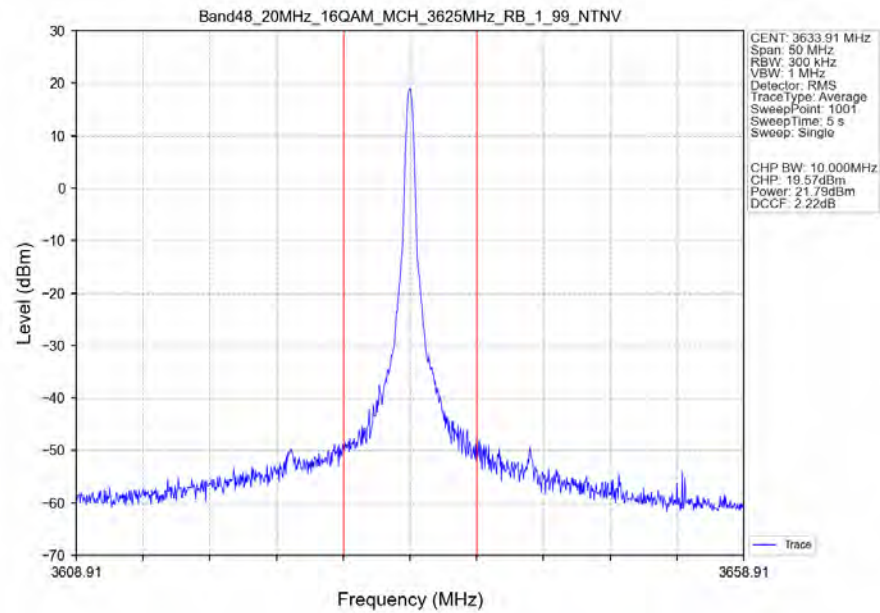
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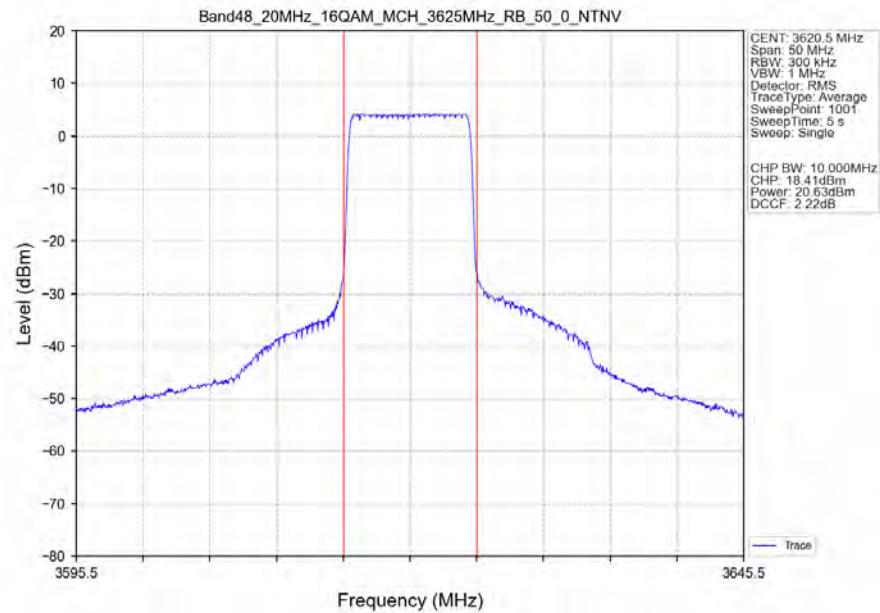
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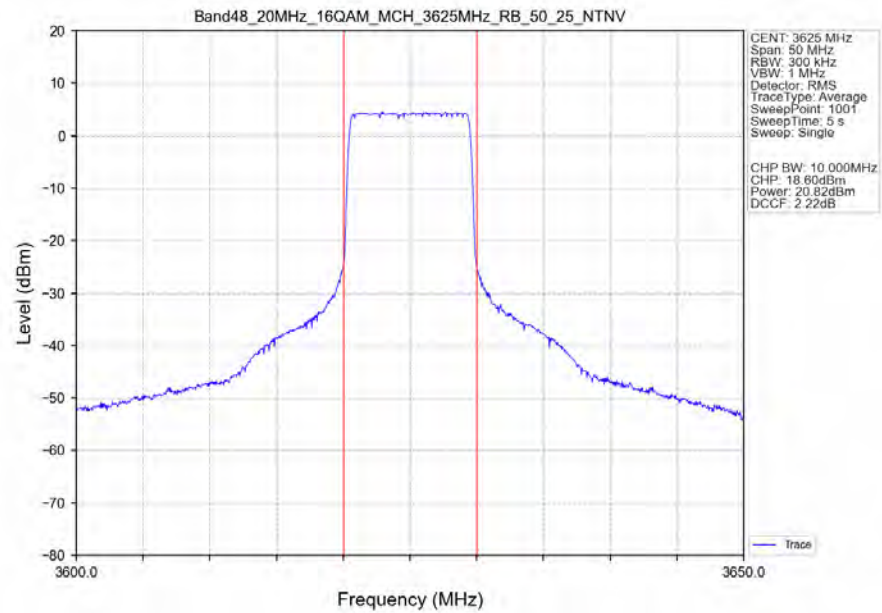
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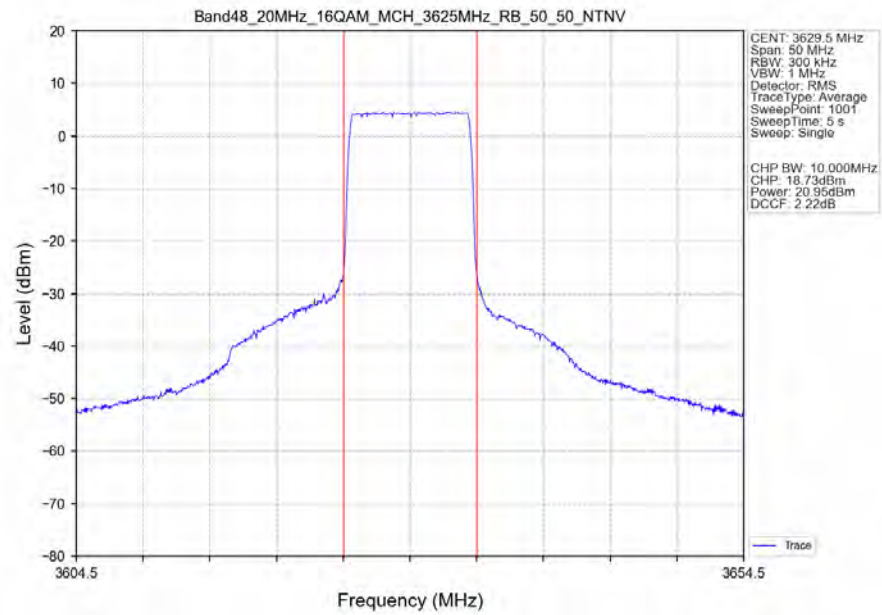
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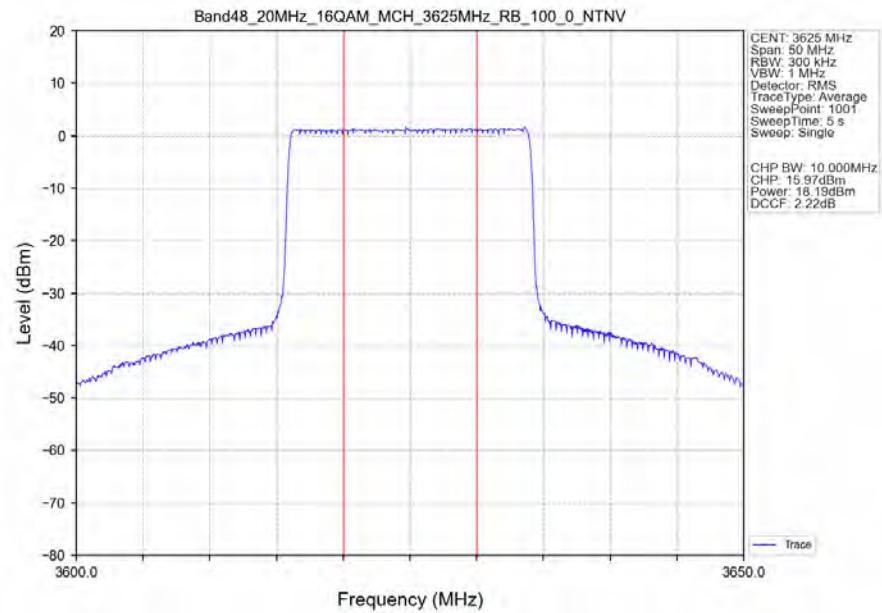
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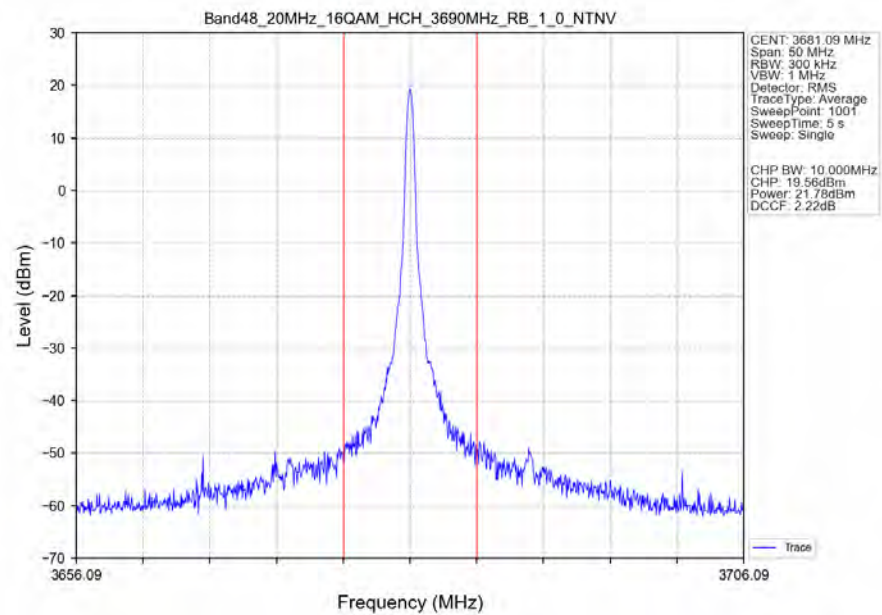
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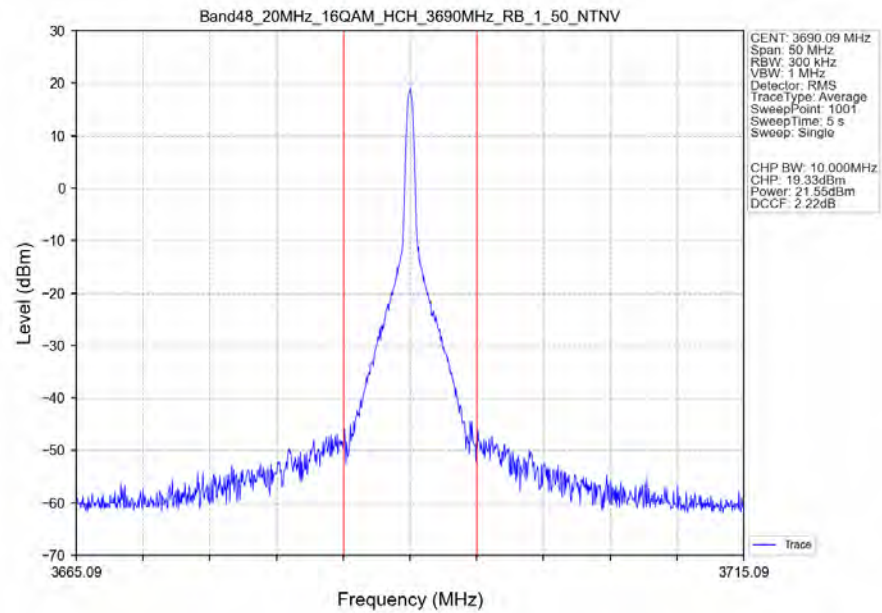
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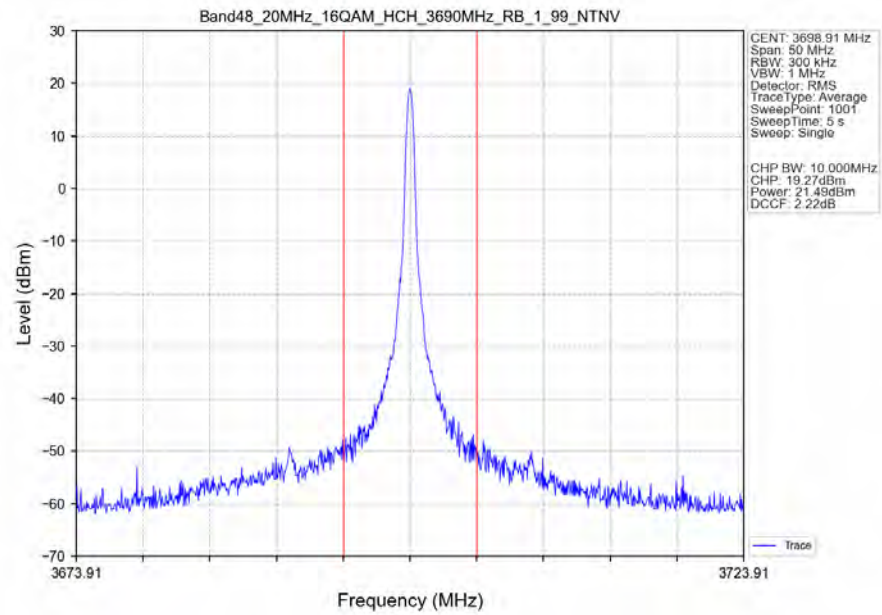
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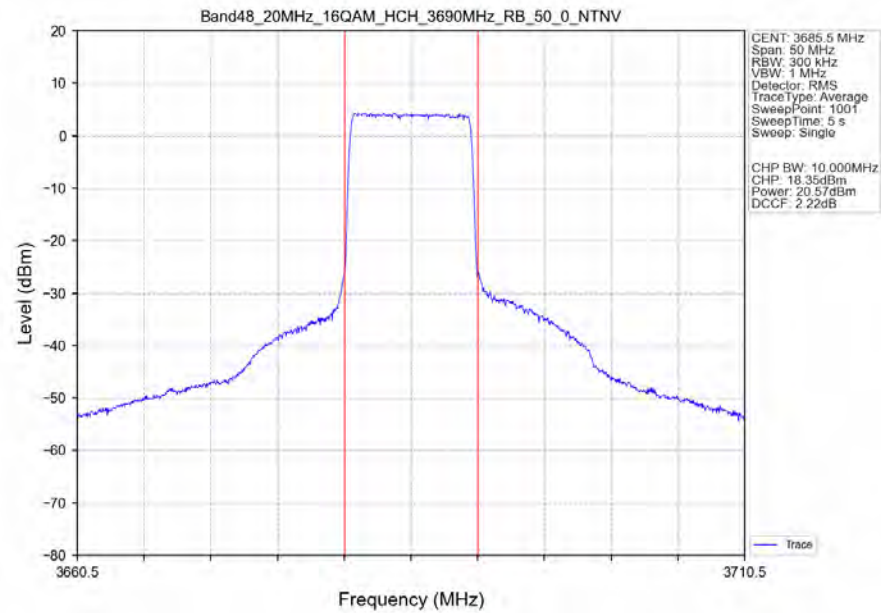
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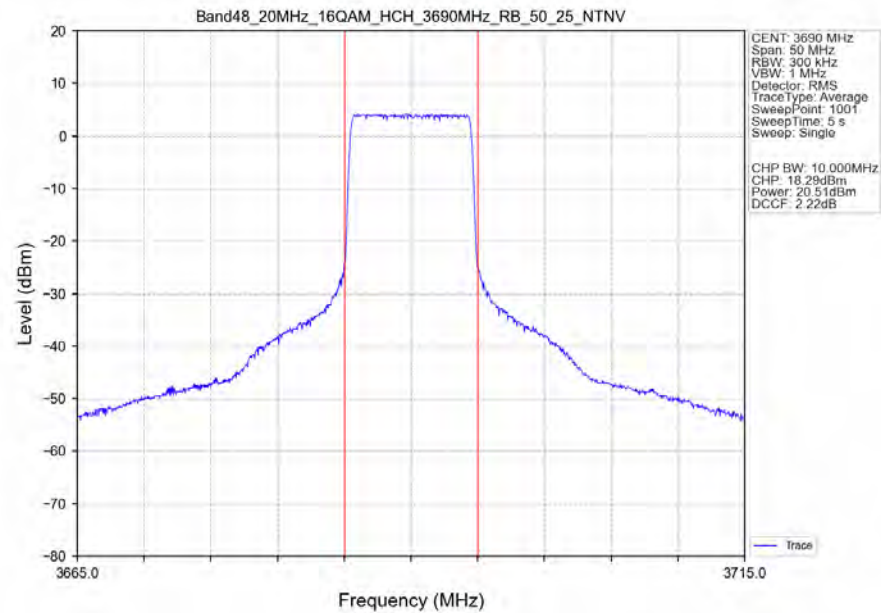
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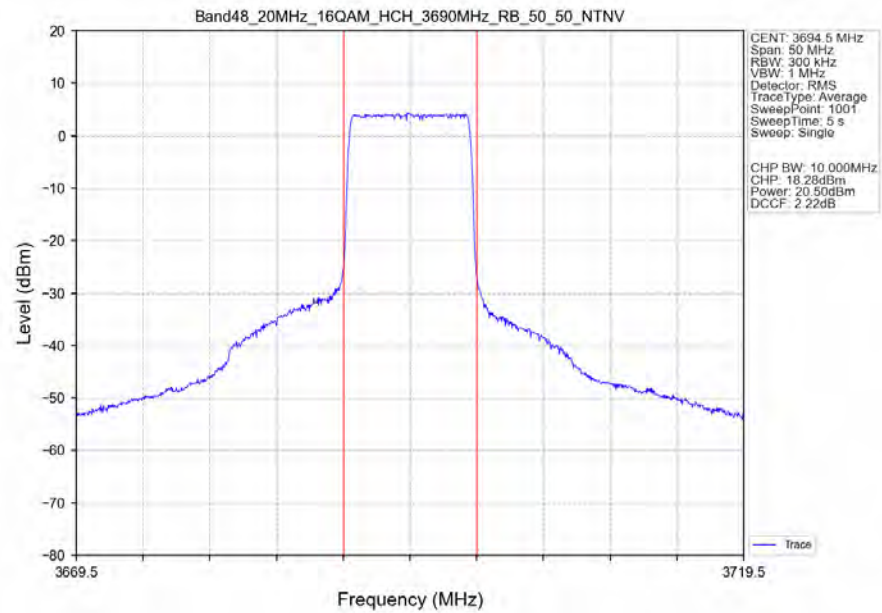
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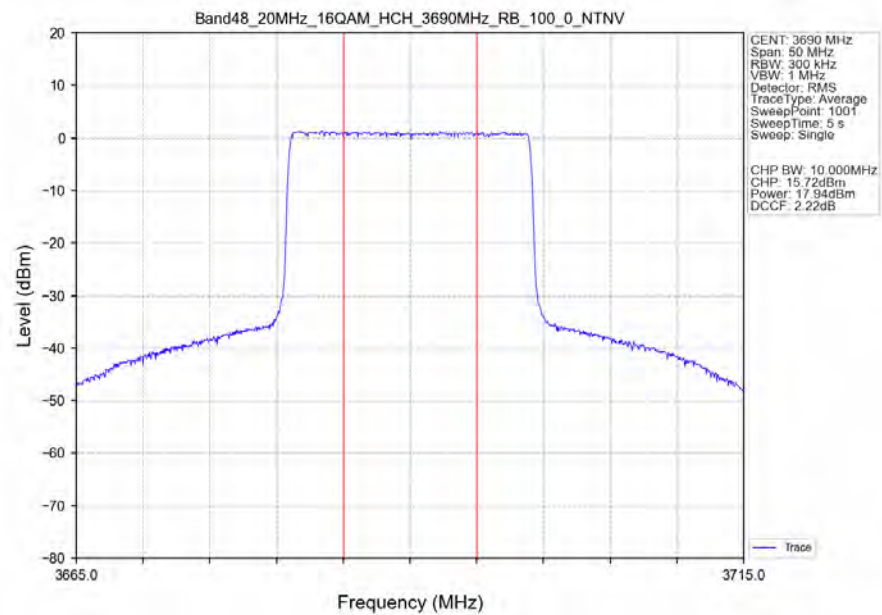
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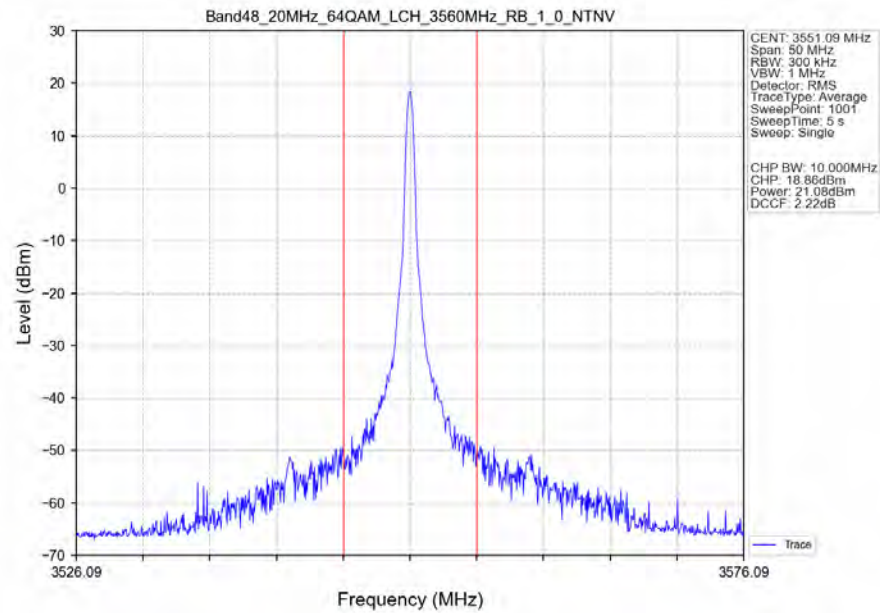
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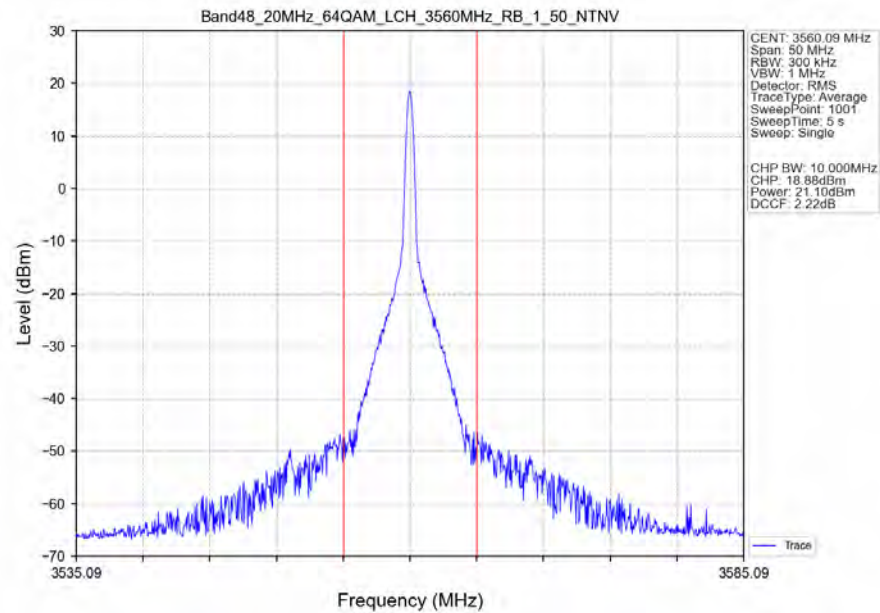
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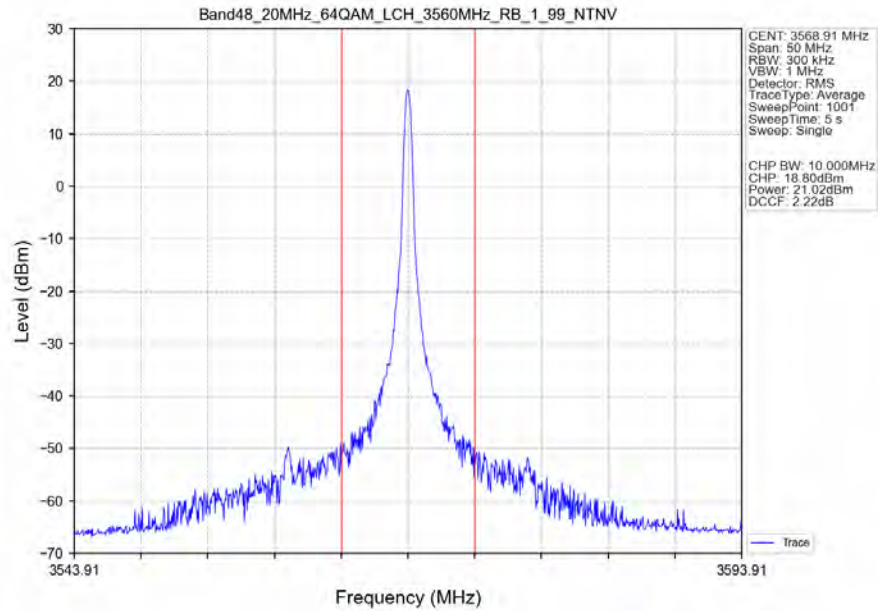
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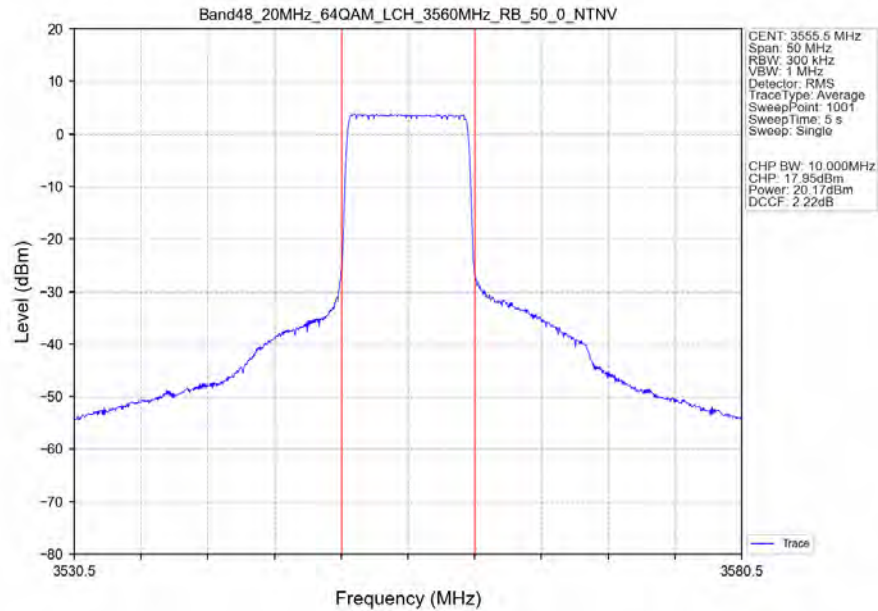
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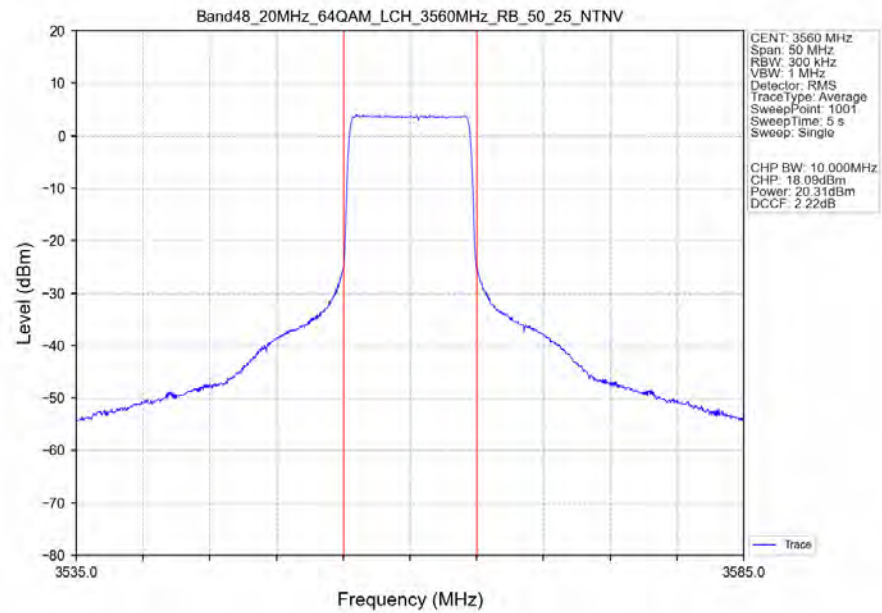
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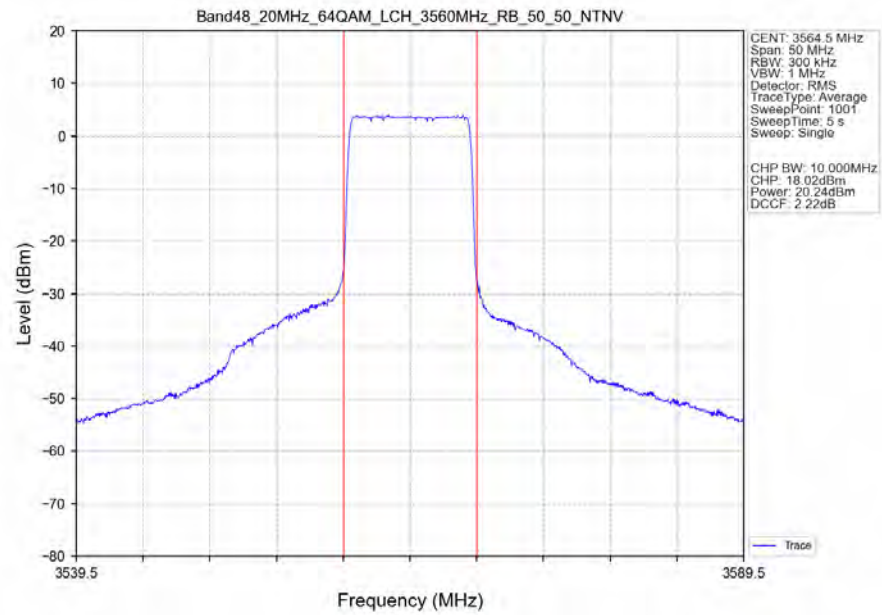
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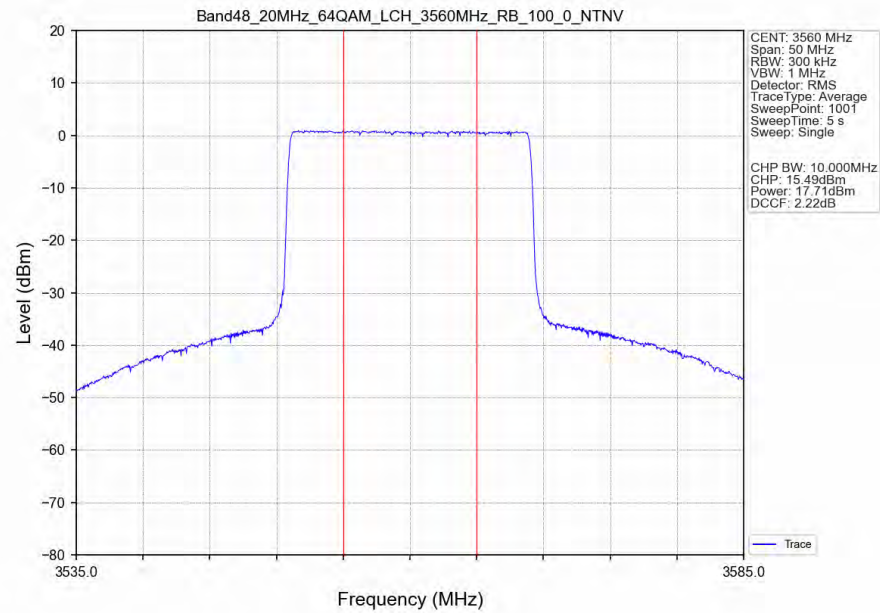
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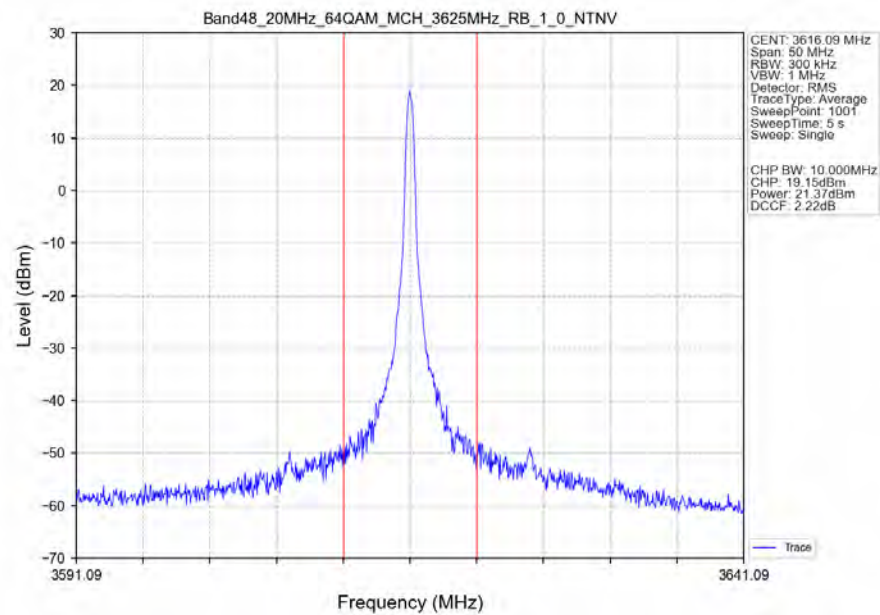
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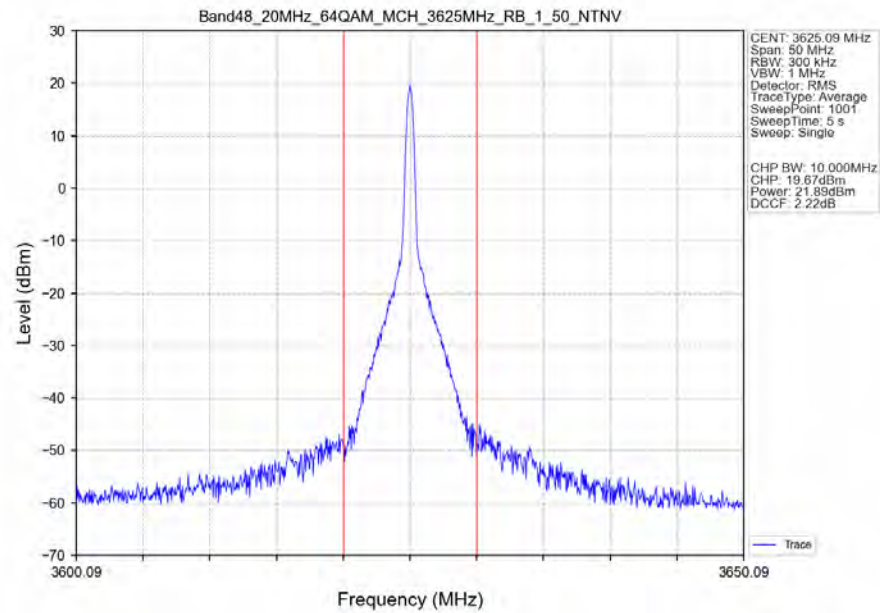
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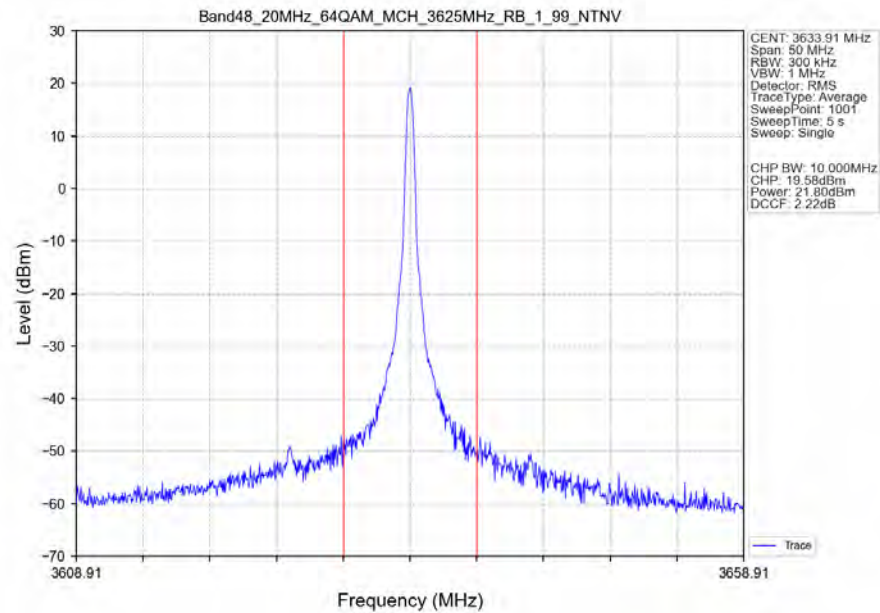
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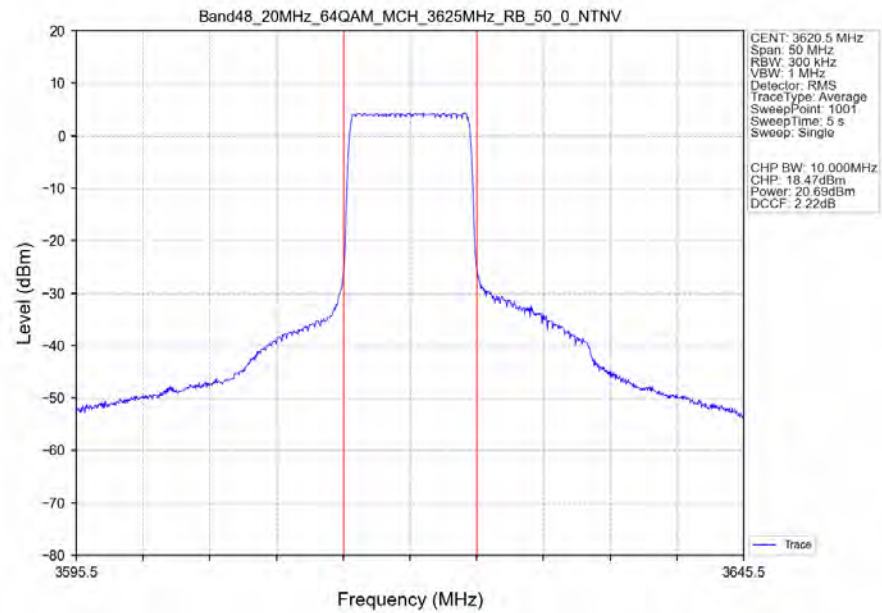
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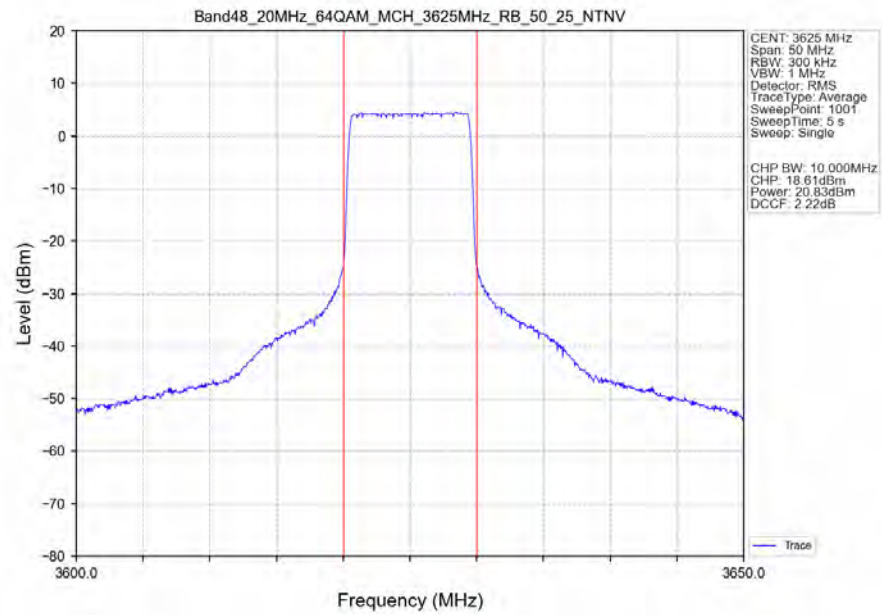
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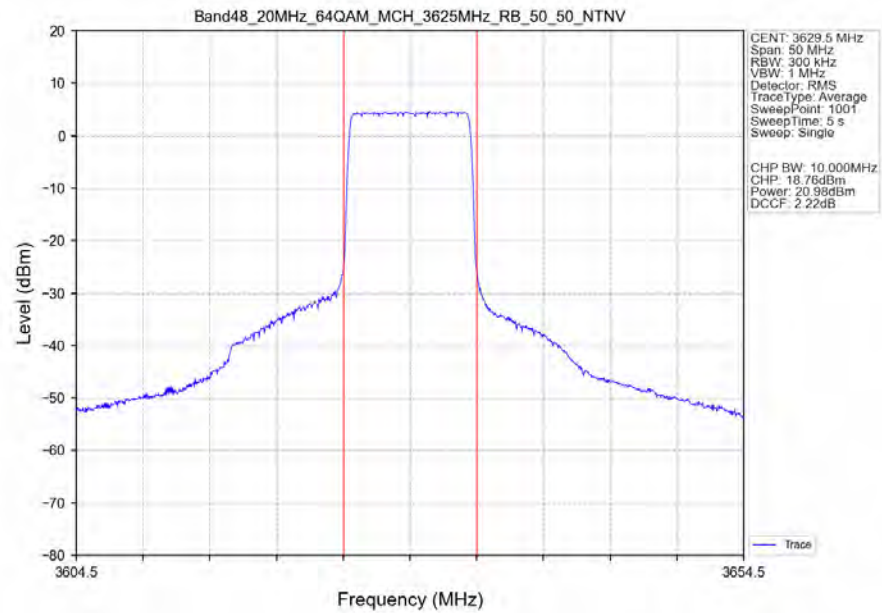
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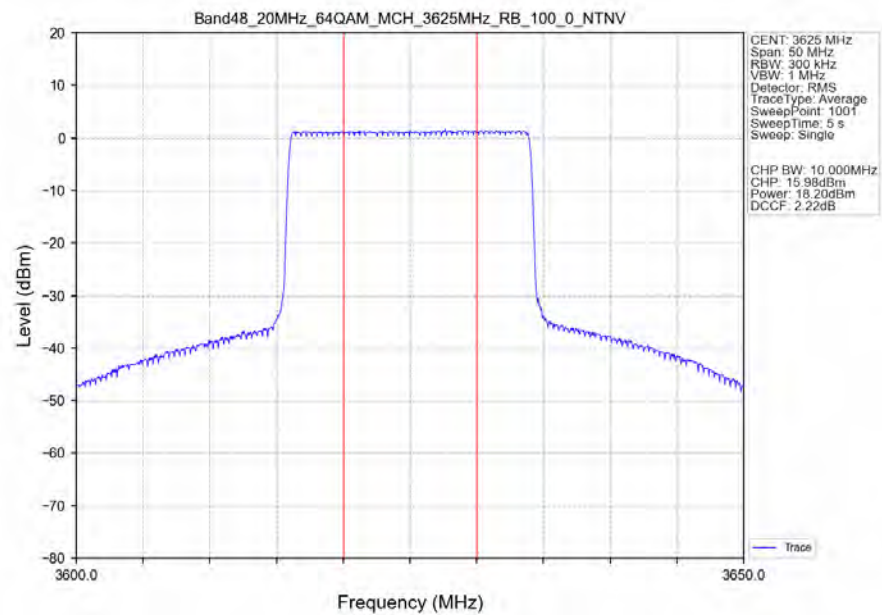
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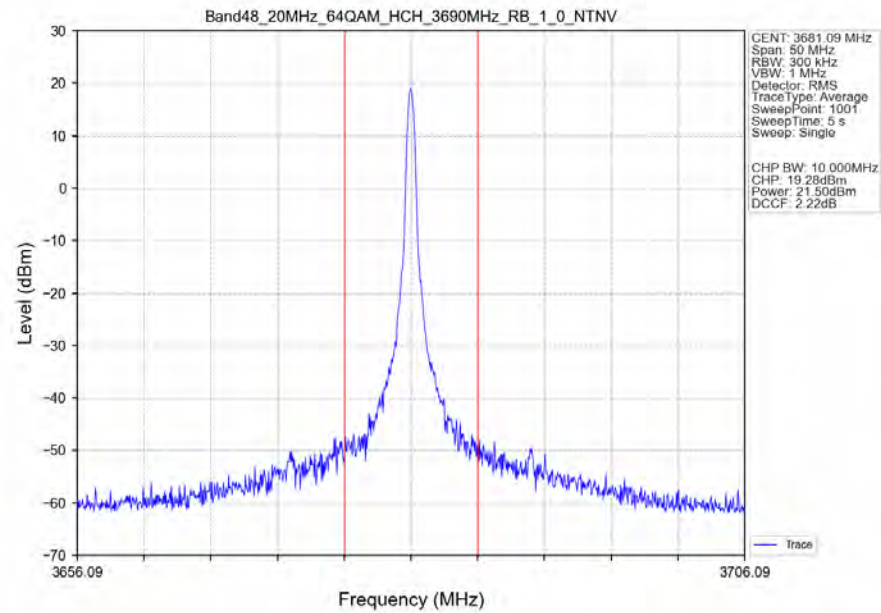
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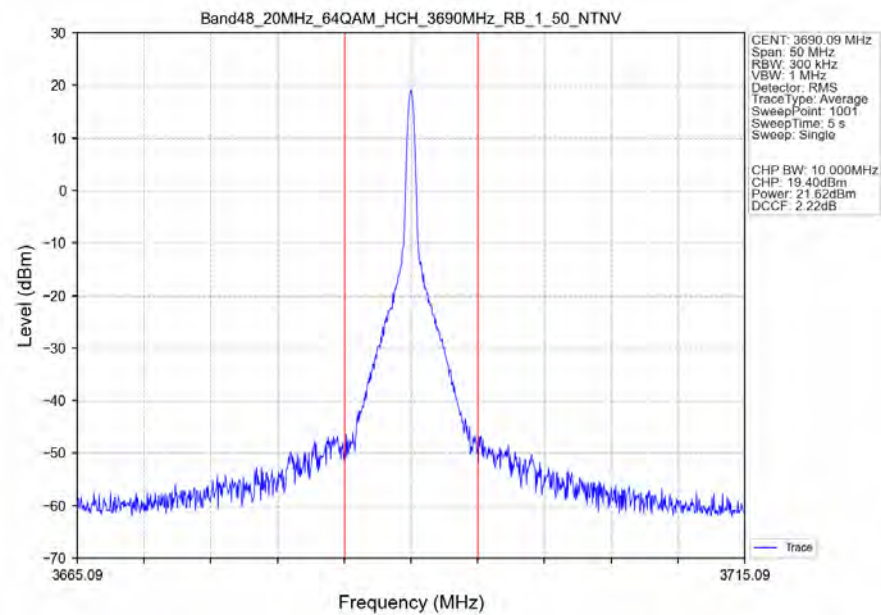
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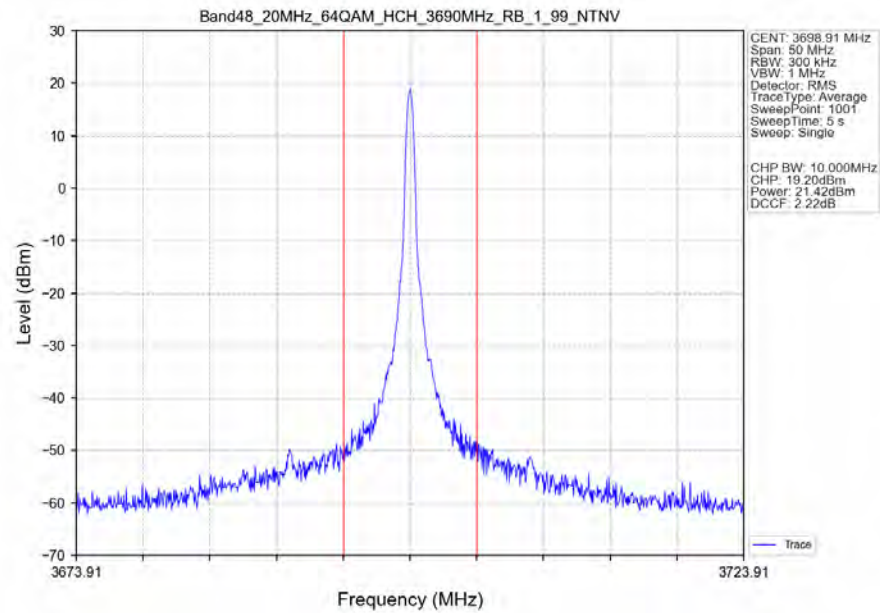
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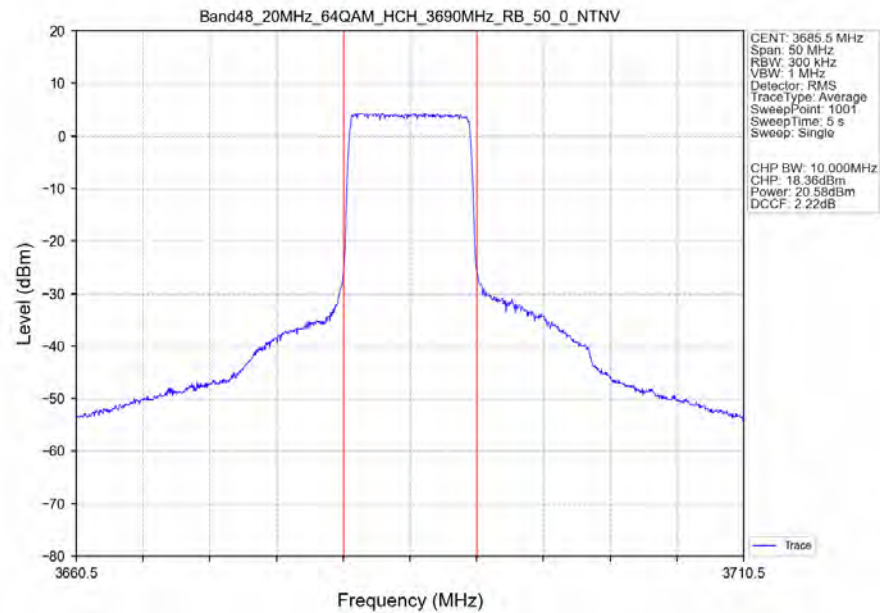
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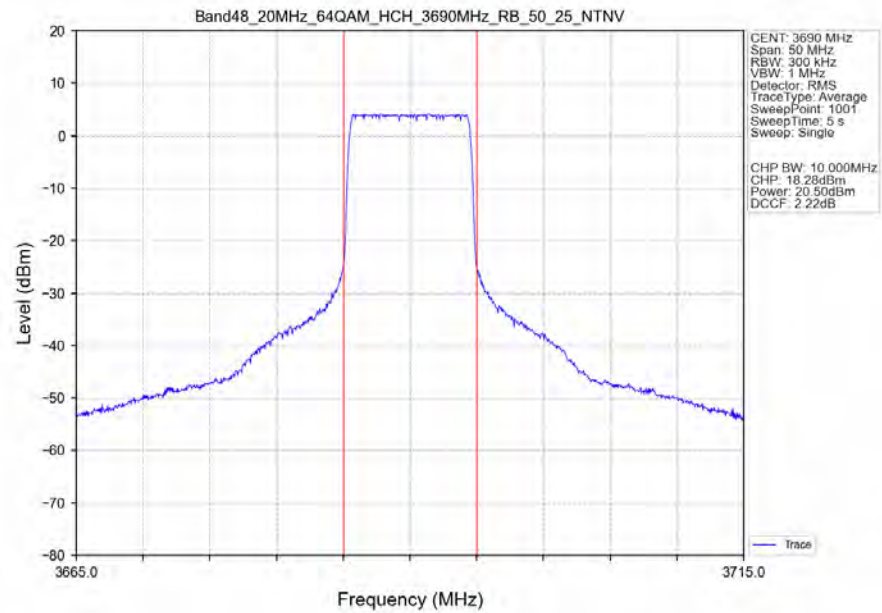
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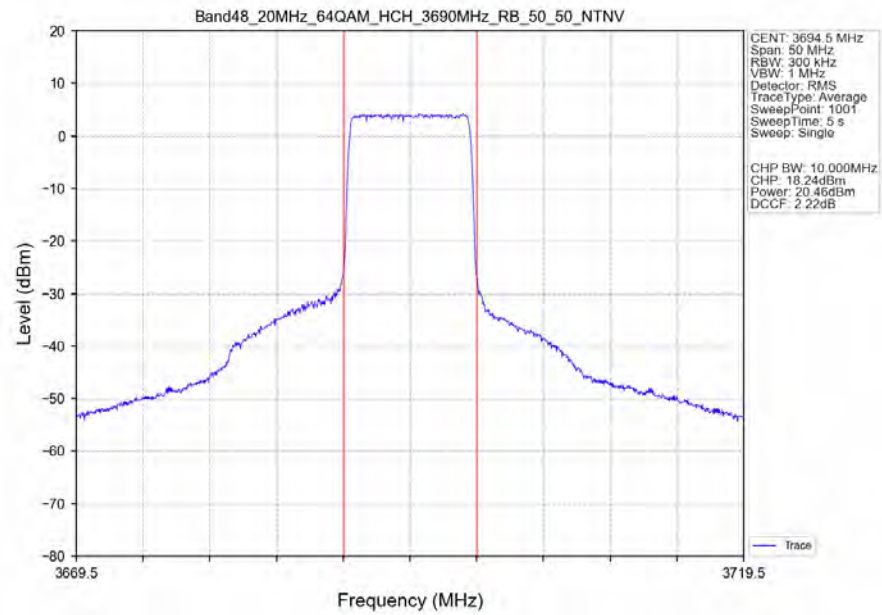
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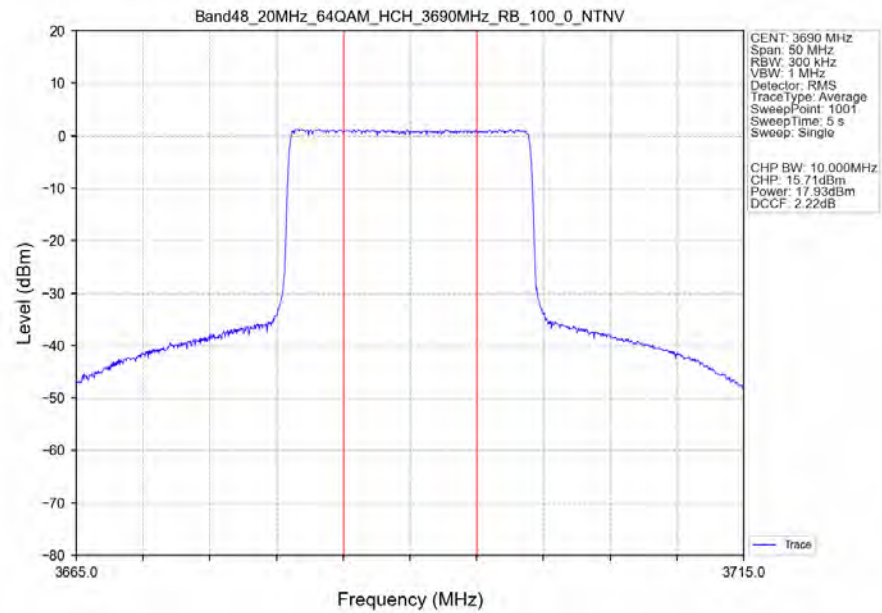
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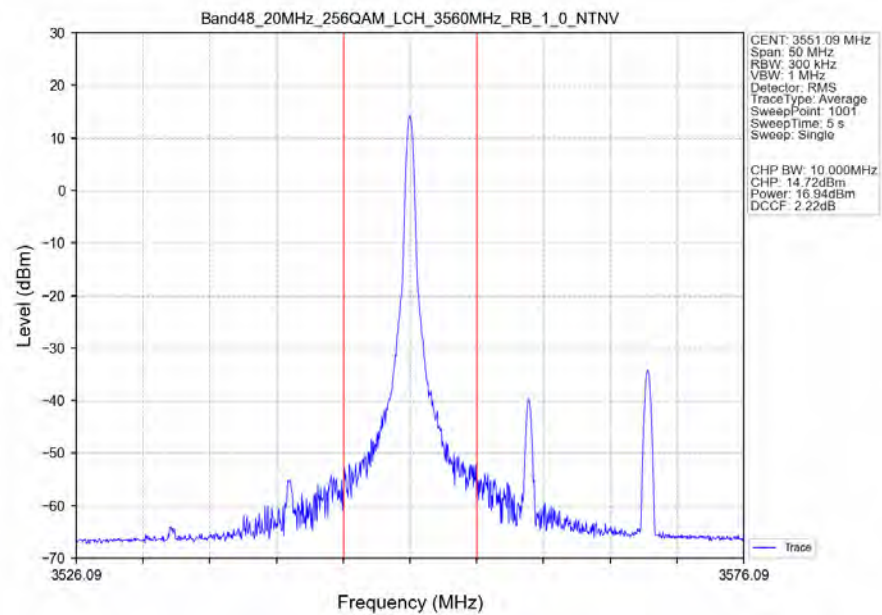
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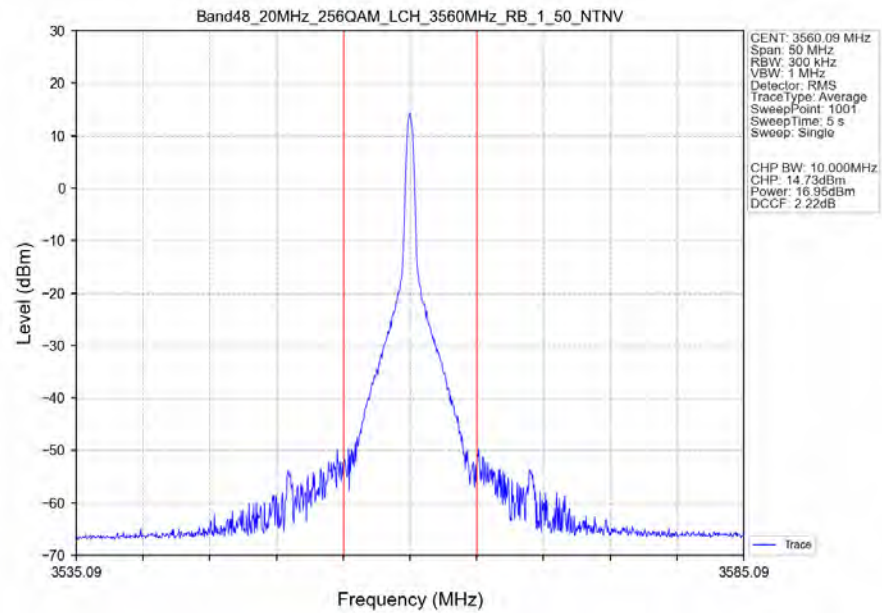
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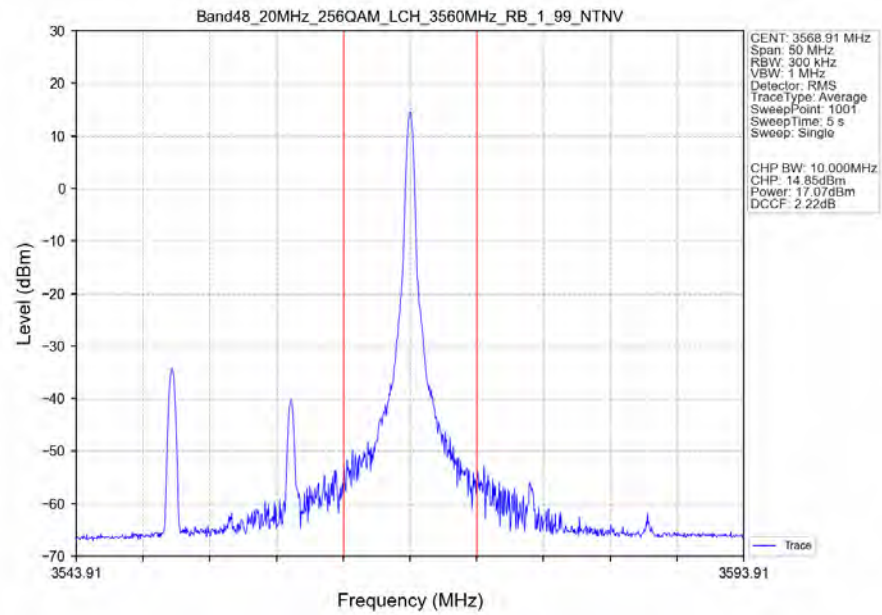
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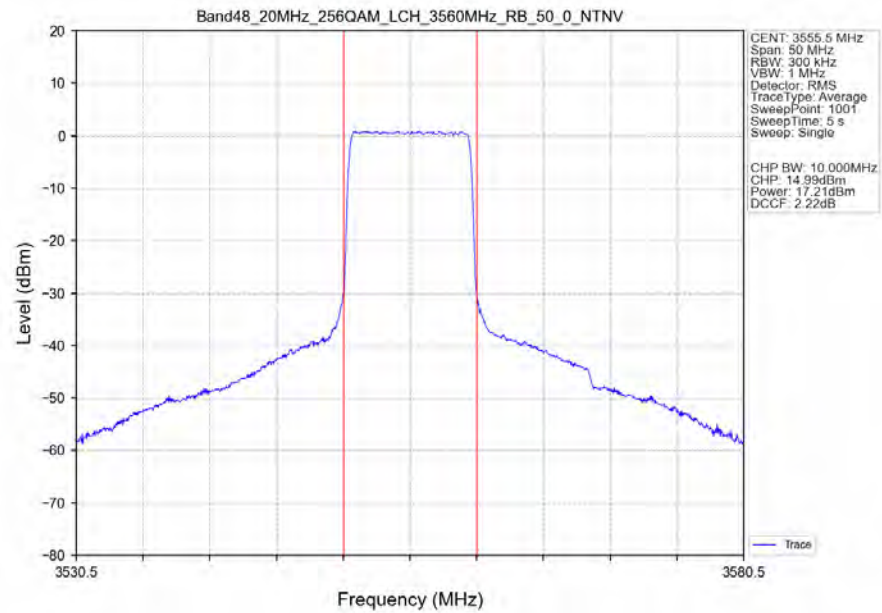
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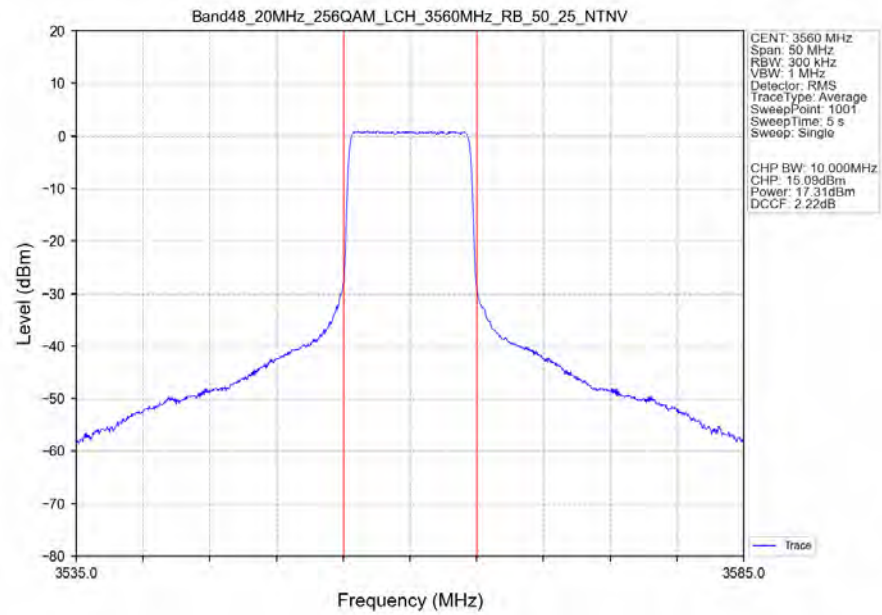
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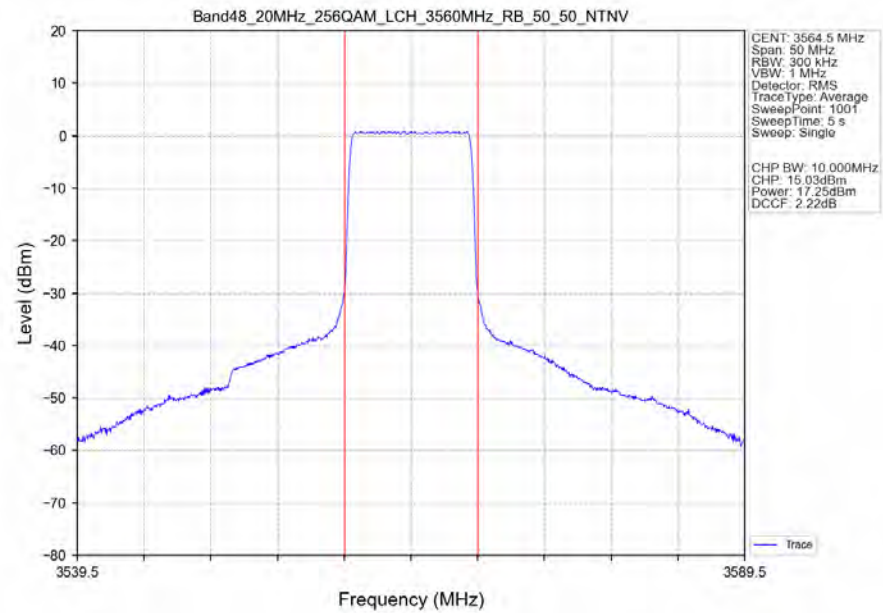
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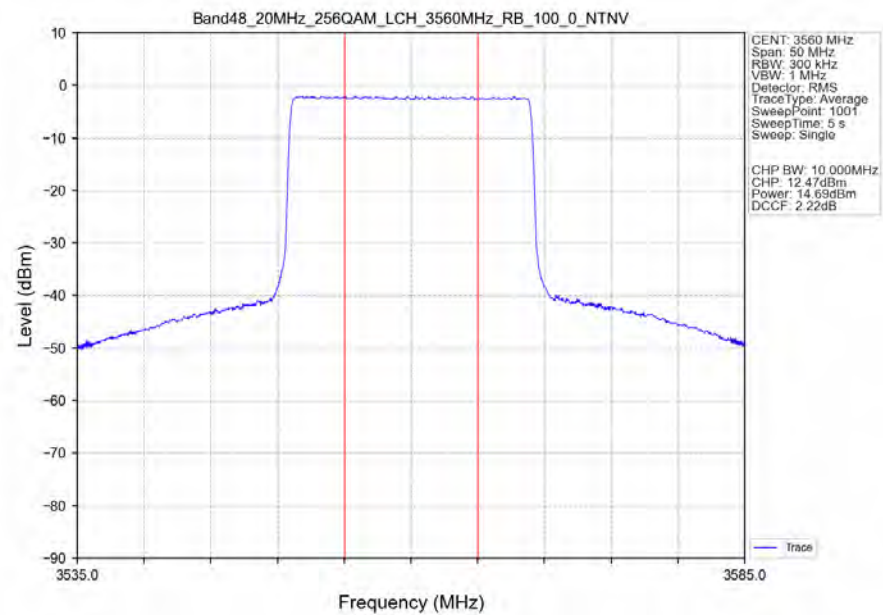
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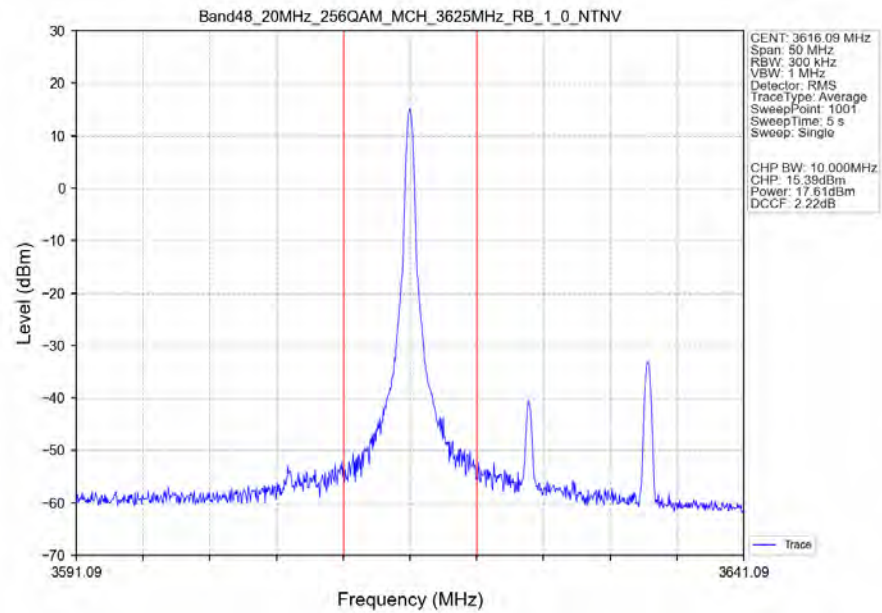
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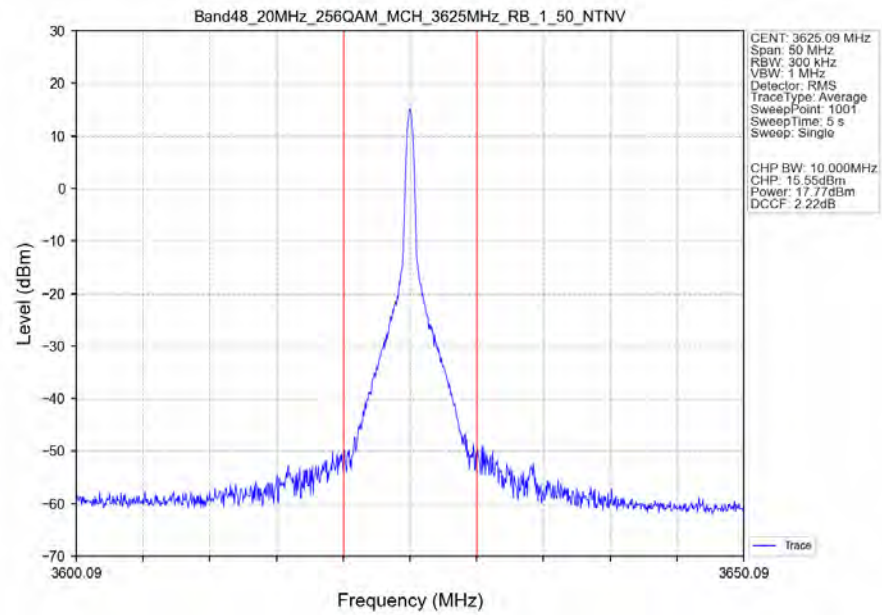
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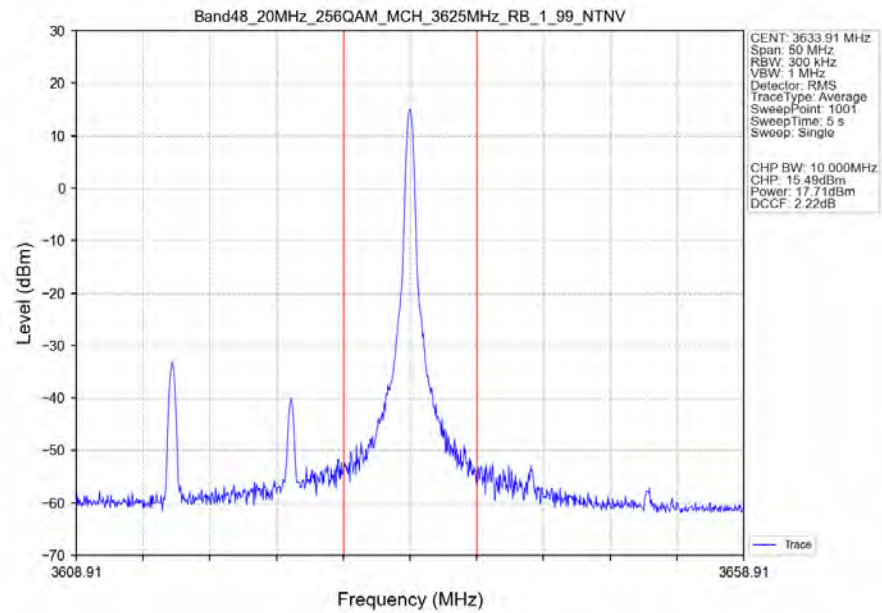
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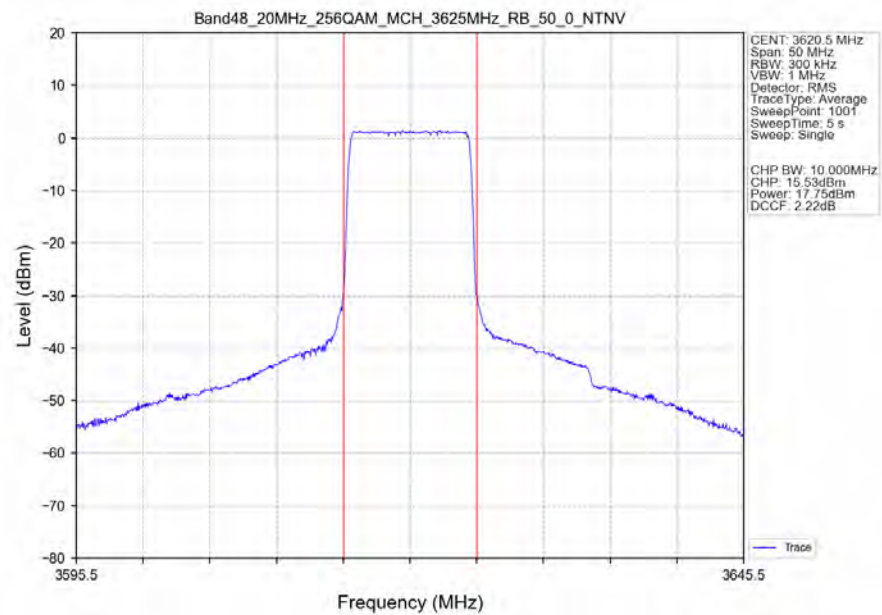
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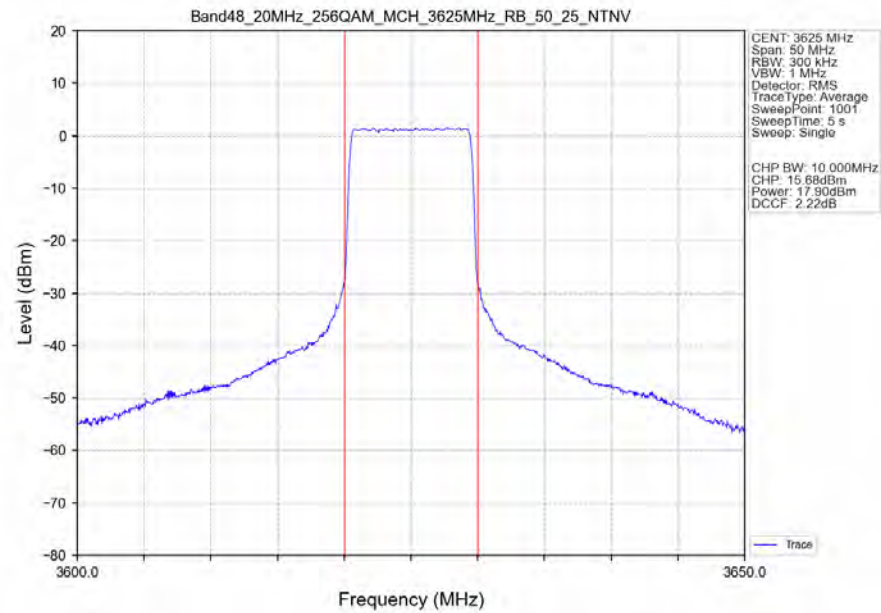
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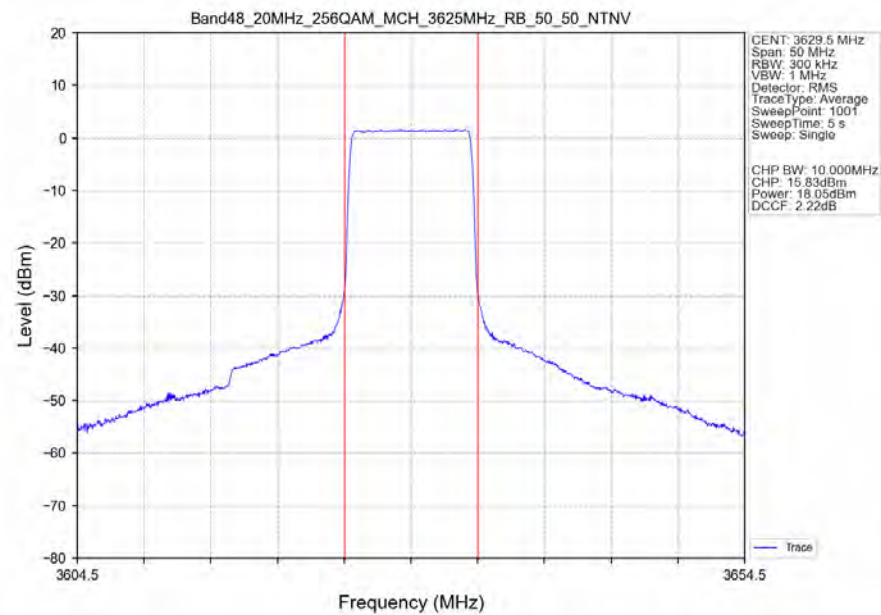
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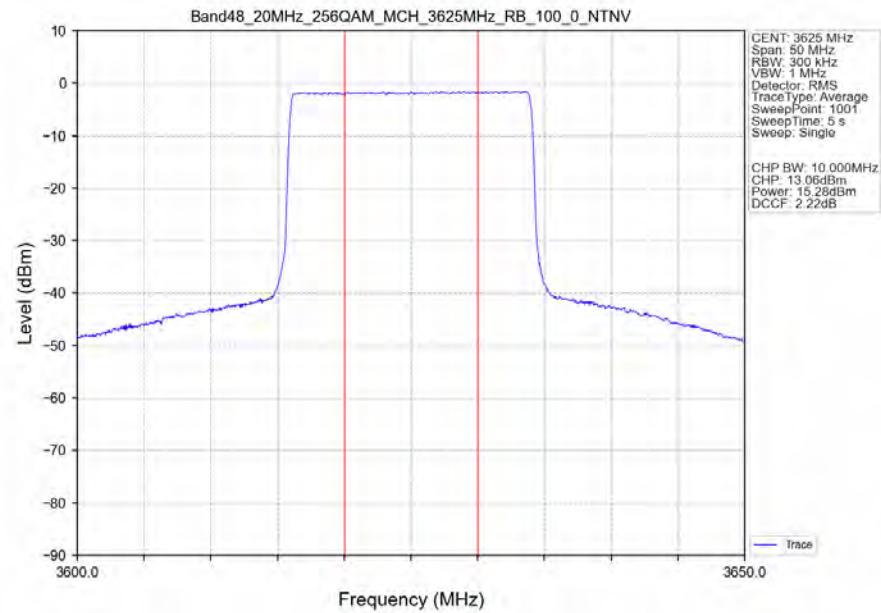
Band48 20MHz 256QAM MCH 3625MHz RB 50 25 NTN



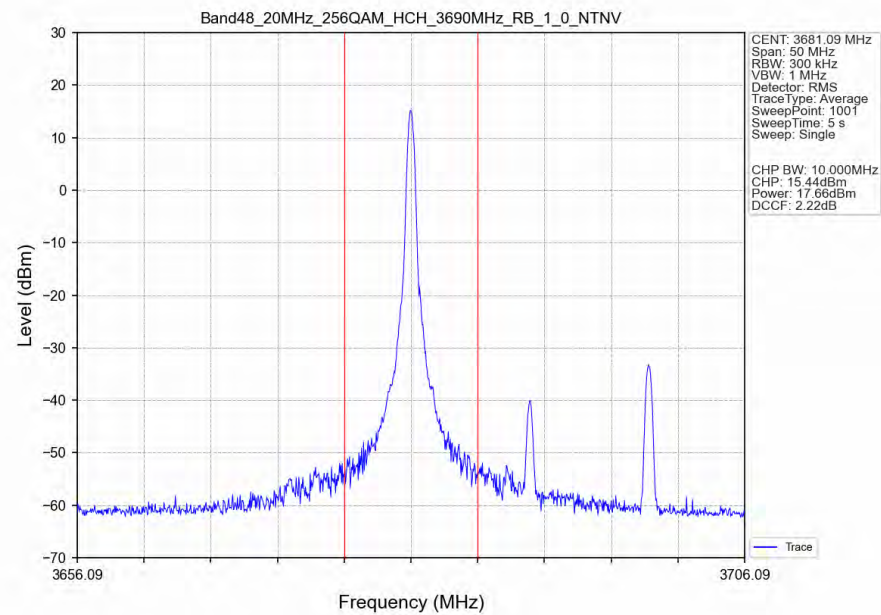
Band48 20MHz 256QAM MCH 3625MHz RB 50 50 NTN



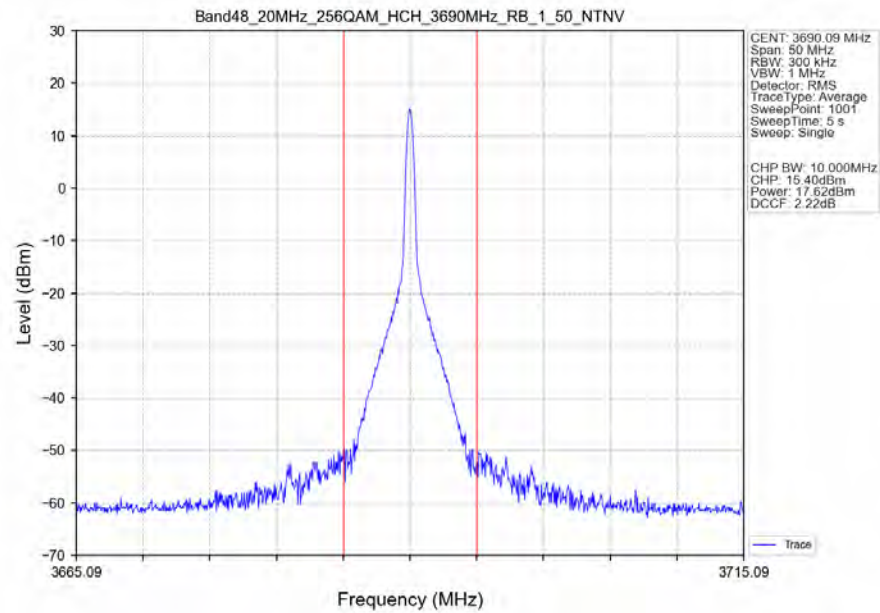
Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTNV



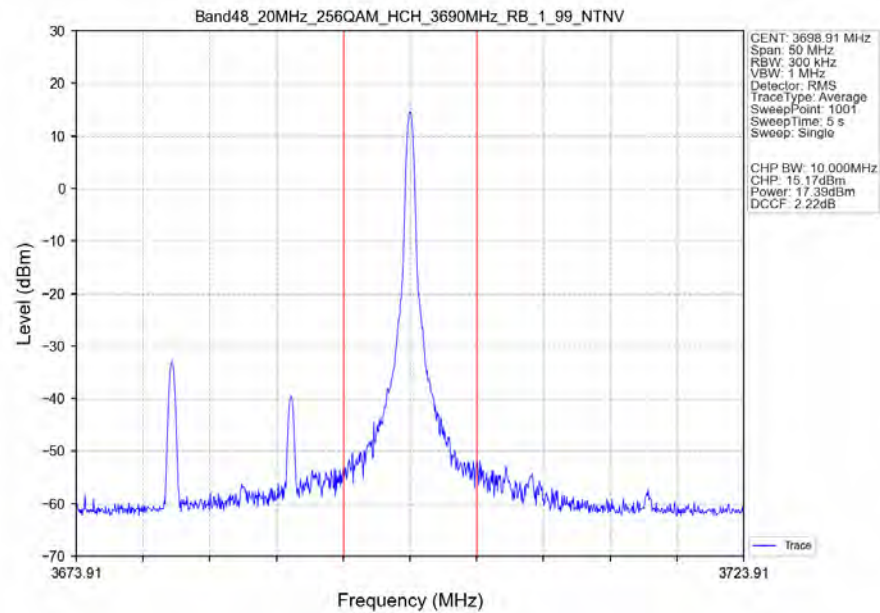
Band48 20MHz 256QAM HCH 3690MHz RB 1 0 NTNV



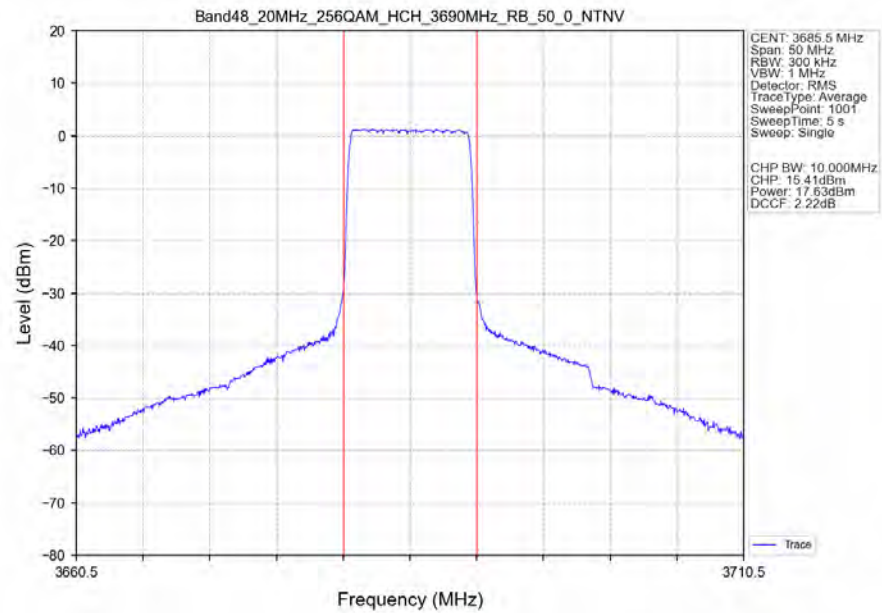
Band48 20MHz 256QAM HCH 3690MHz RB 1 50 NTN



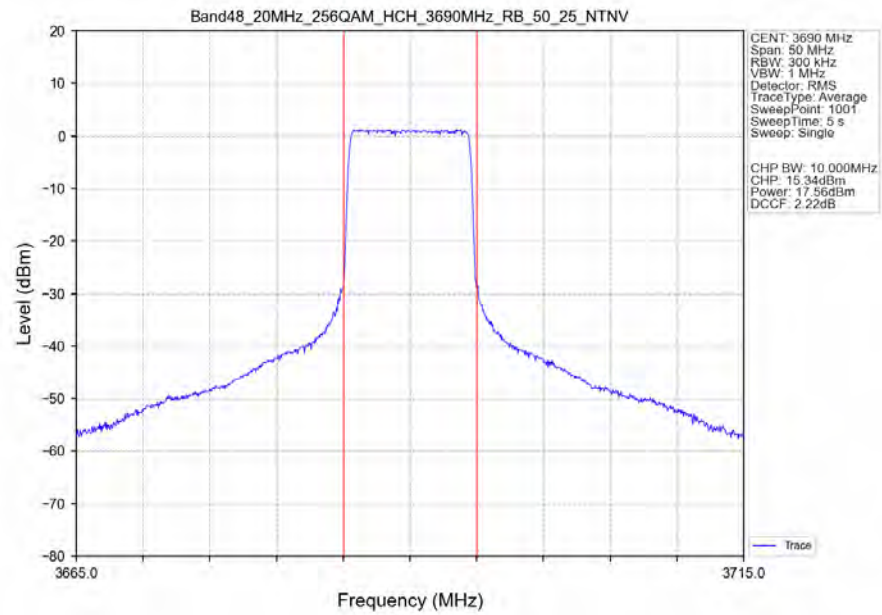
Band48 20MHz 256QAM HCH 3690MHz RB 1 99 NTN



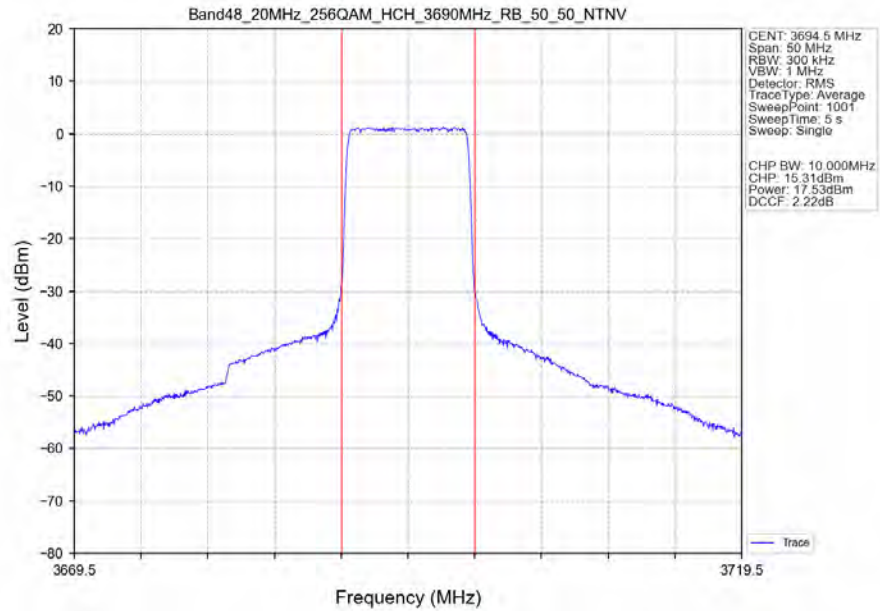
Band48_20MHz_256QAM_HCH_3690MHz_RB_50_0_NTNV



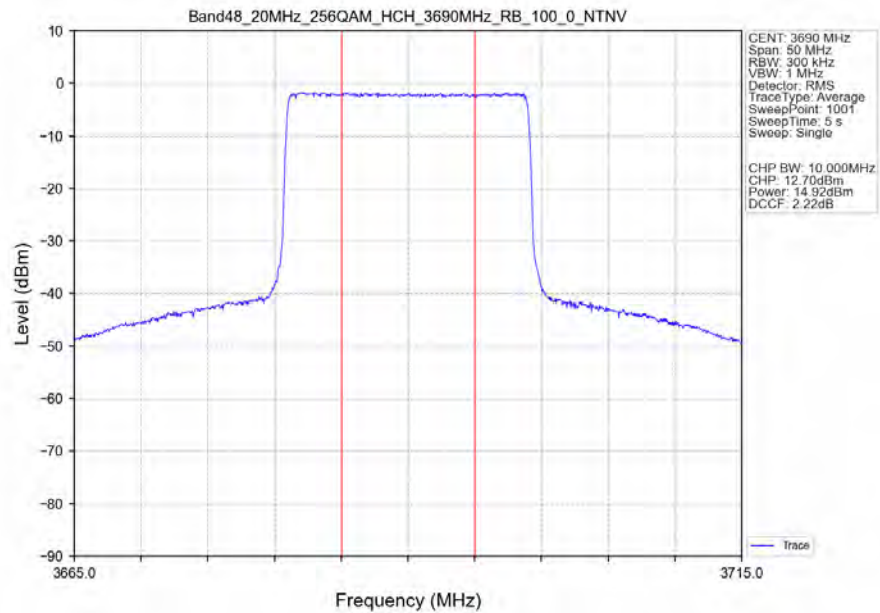
Band48_20MHz_256QAM_HCH_3690MHz_RB_50_25_NTNV



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	-0.600	-0.0002	-2.5 to 2.5	Pass
					NV	-2.300	-0.0006	-2.5 to 2.5	Pass
					HV	-1.500	-0.0004	-2.5 to 2.5	Pass
				-30	NV	-0.100	0.0000	-2.5 to 2.5	Pass
				-20	NV	0.500	0.0001	-2.5 to 2.5	Pass
				-10	NV	-2.500	-0.0007	-2.5 to 2.5	Pass
				0	NV	-2.800	-0.0008	-2.5 to 2.5	Pass
				10	NV	-1.900	-0.0005	-2.5 to 2.5	Pass
				30	NV	2.100	0.0006	-2.5 to 2.5	Pass
				40	NV	0.300	0.0001	-2.5 to 2.5	Pass
				50	NV	-2.500	-0.0007	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band48_OBW

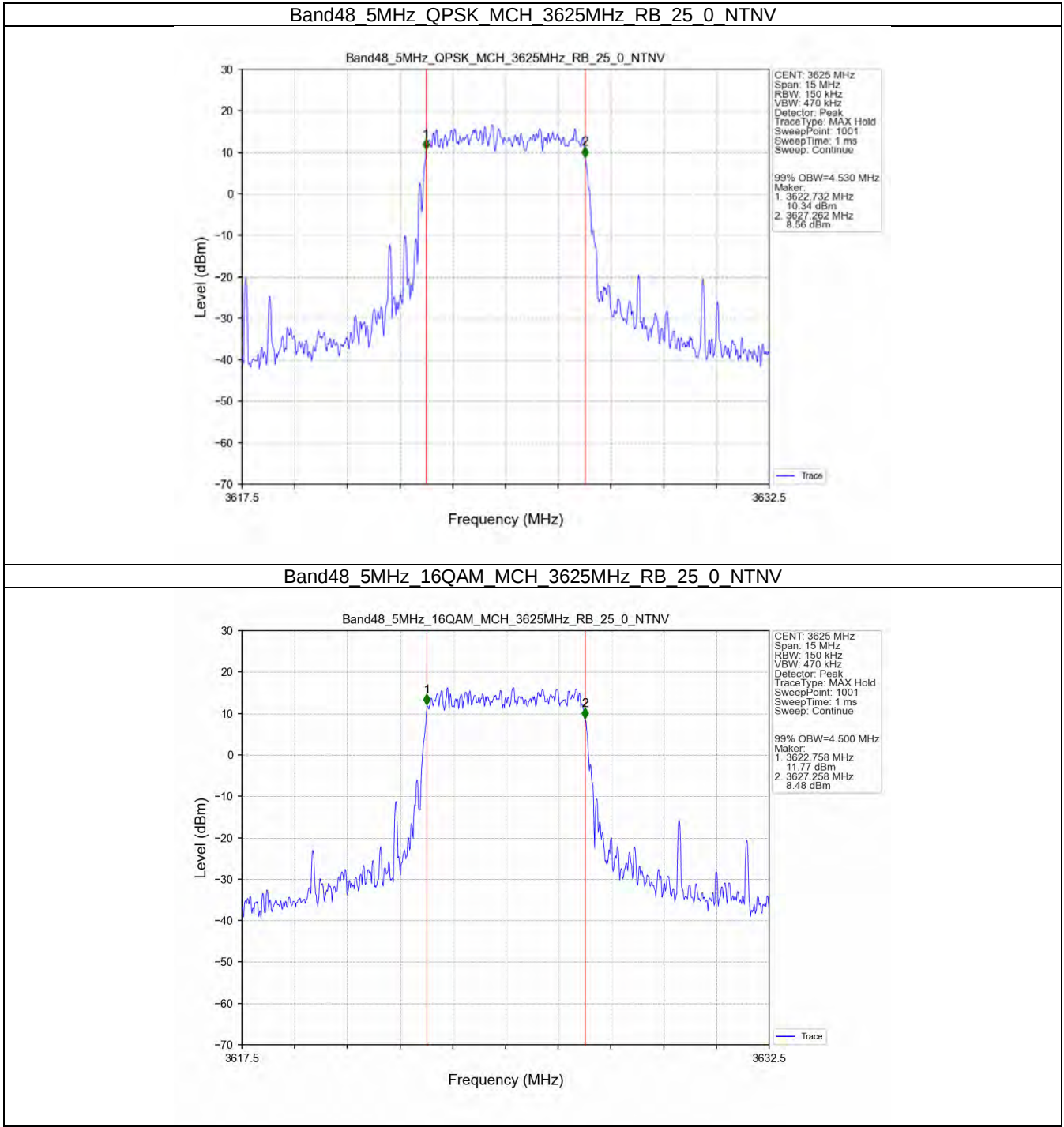
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3625	25	0	4.530	/	Pass
	16QAM	3625	25	0	4.500	/	Pass
10	QPSK	3625	50	0	9.020	/	Pass
	16QAM	3625	50	0	9.041	/	Pass
15	QPSK	3625	75	0	13.618	/	Pass
	16QAM	3625	75	0	13.578	/	Pass
20	QPSK	3625	100	0	18.110	/	Pass
	16QAM	3625	100	0	18.116	/	Pass

3.1.2 Band48_XDB

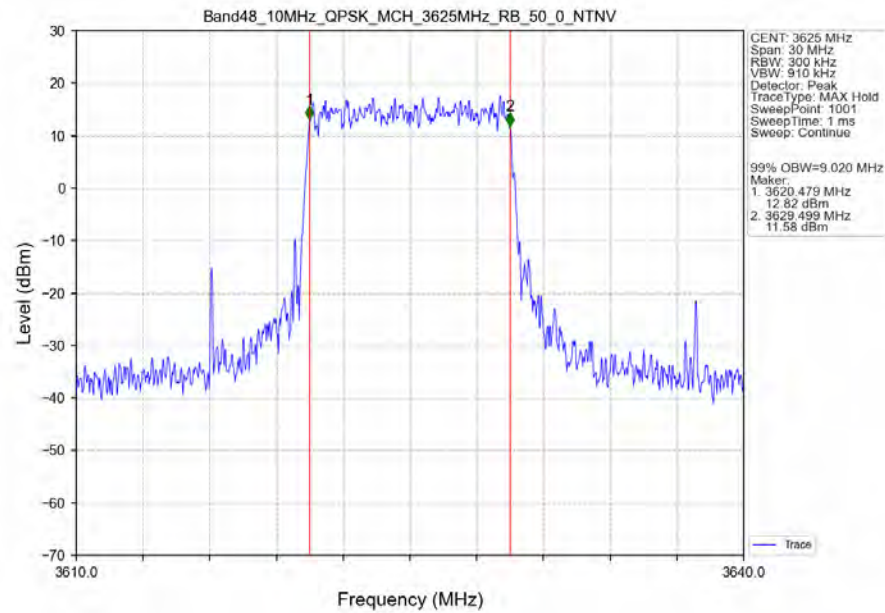
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3625	25	0	4.995	/	Pass
	16QAM	3625	25	0	5.051	/	Pass
10	QPSK	3625	50	0	9.652	/	Pass
	16QAM	3625	50	0	9.714	/	Pass
15	QPSK	3625	75	0	15.653	/	Pass
	16QAM	3625	75	0	15.149	/	Pass
20	QPSK	3625	100	0	19.572	/	Pass
	16QAM	3625	100	0	19.669	/	Pass

3.2 Test Graph

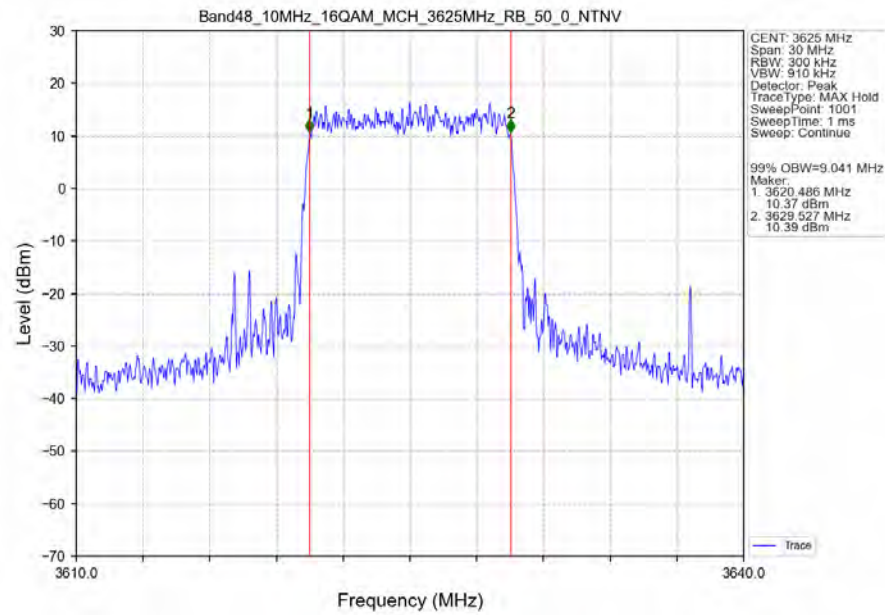
3.2.1 Band48_OBW



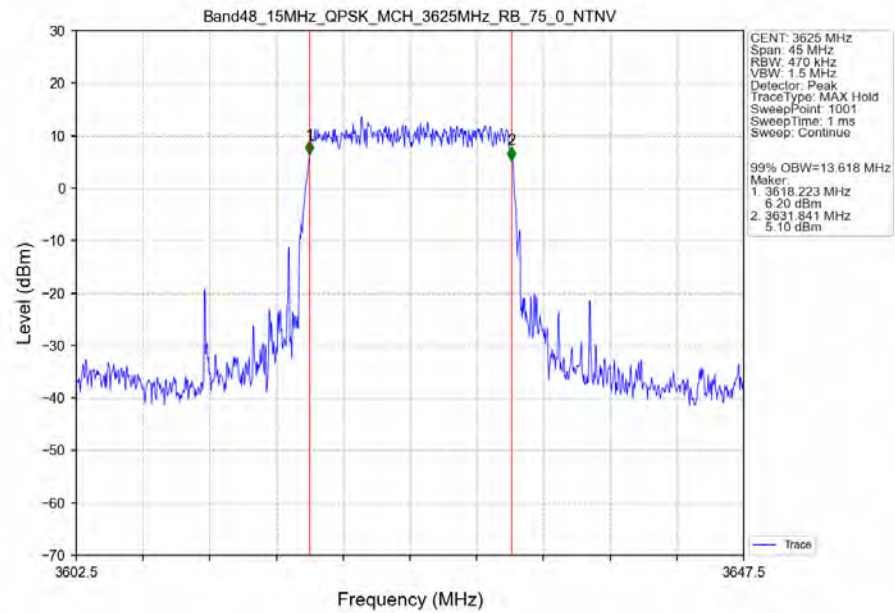
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



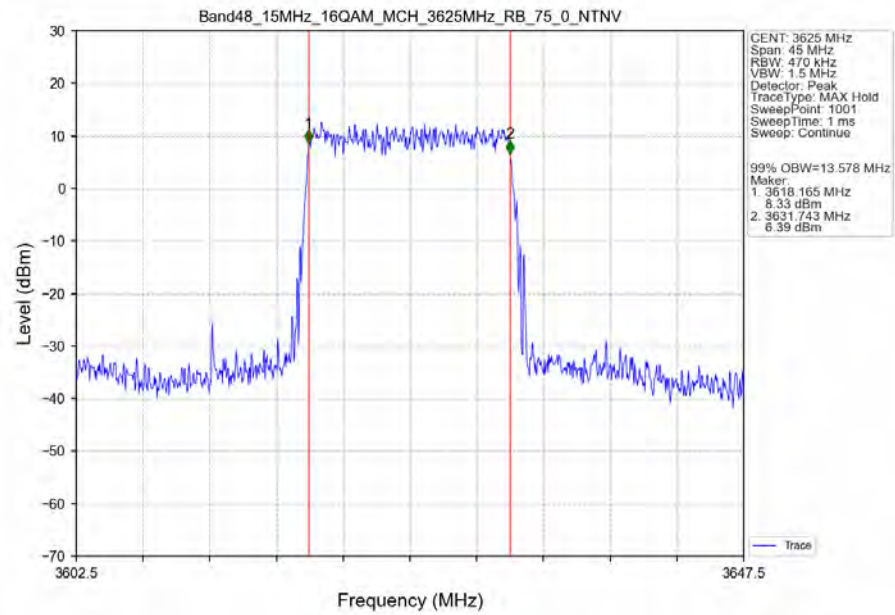
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



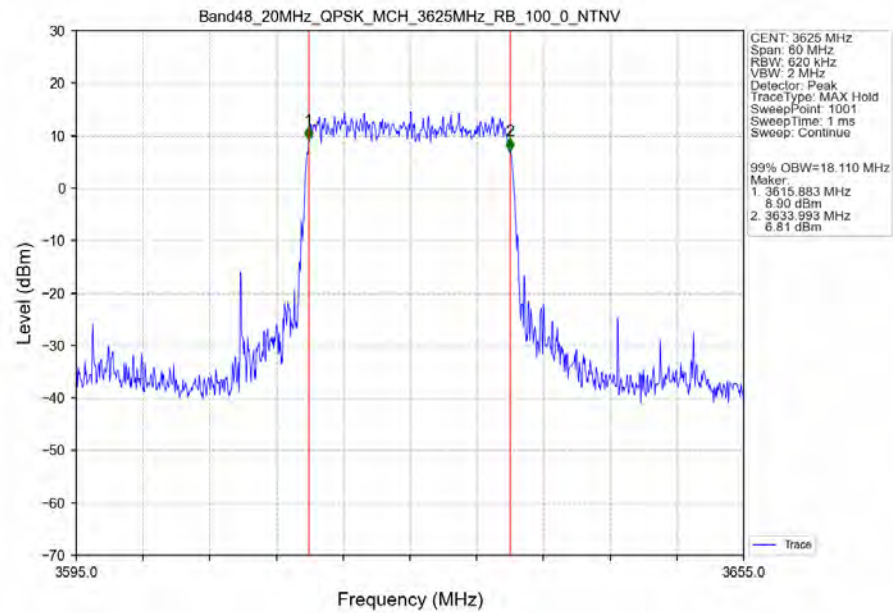
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



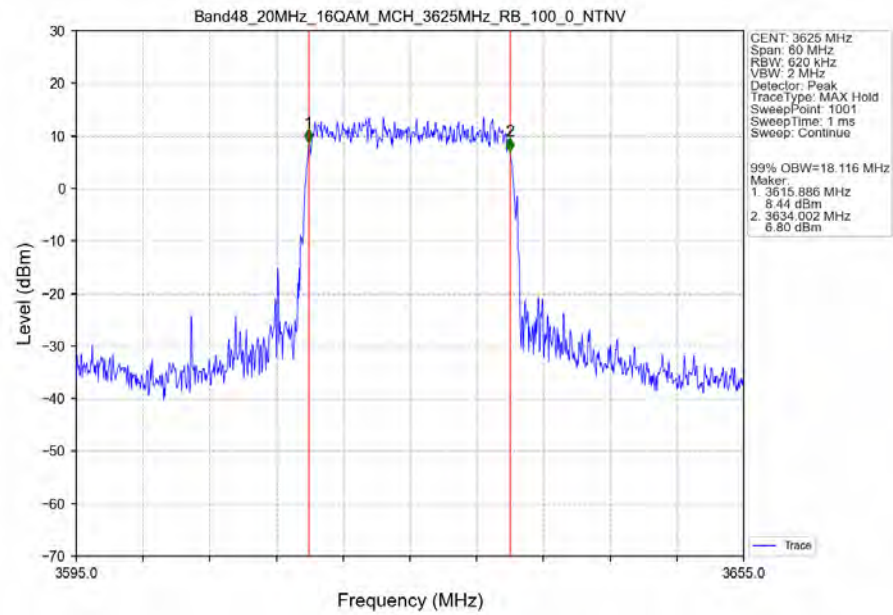
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



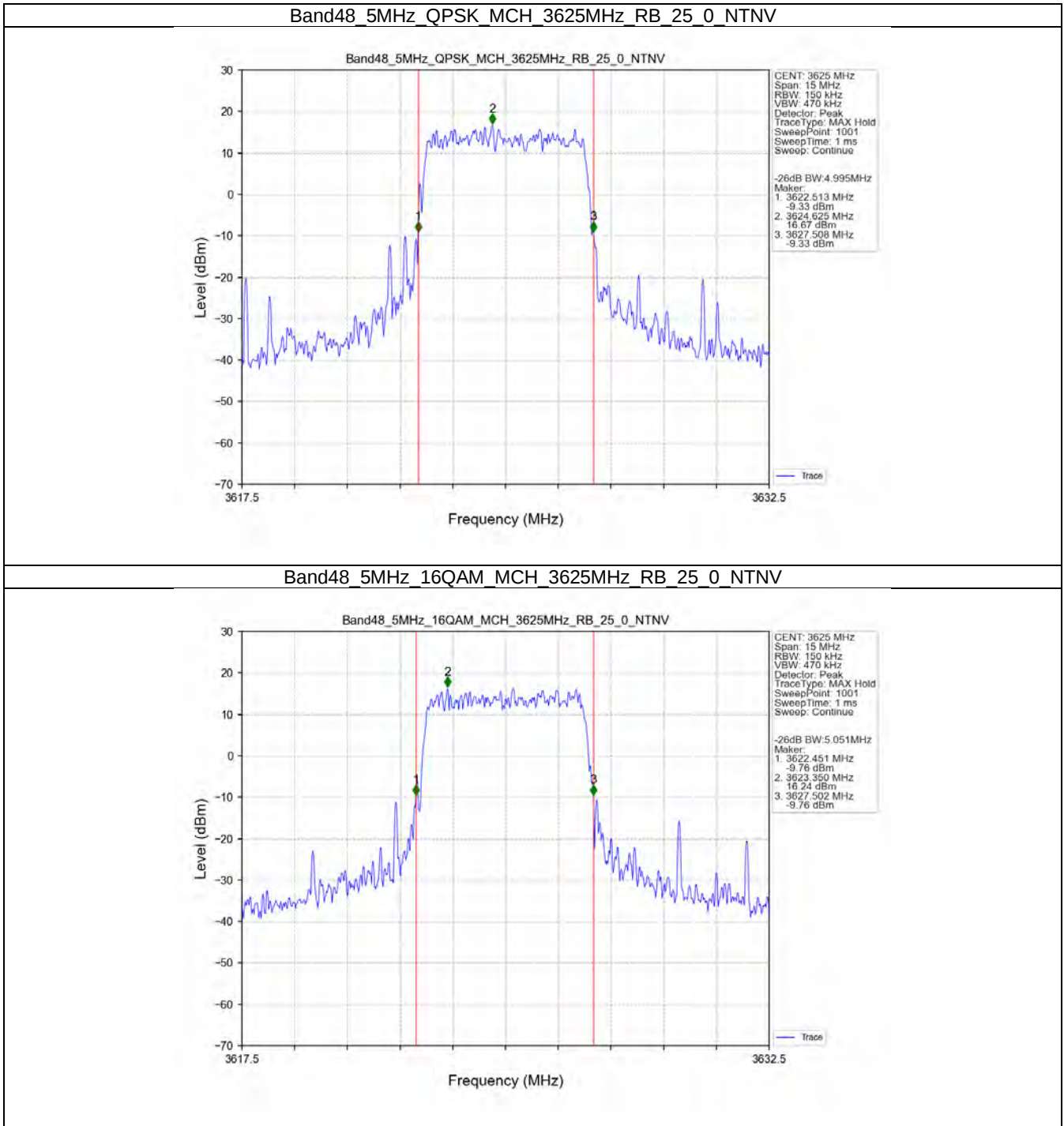
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTV



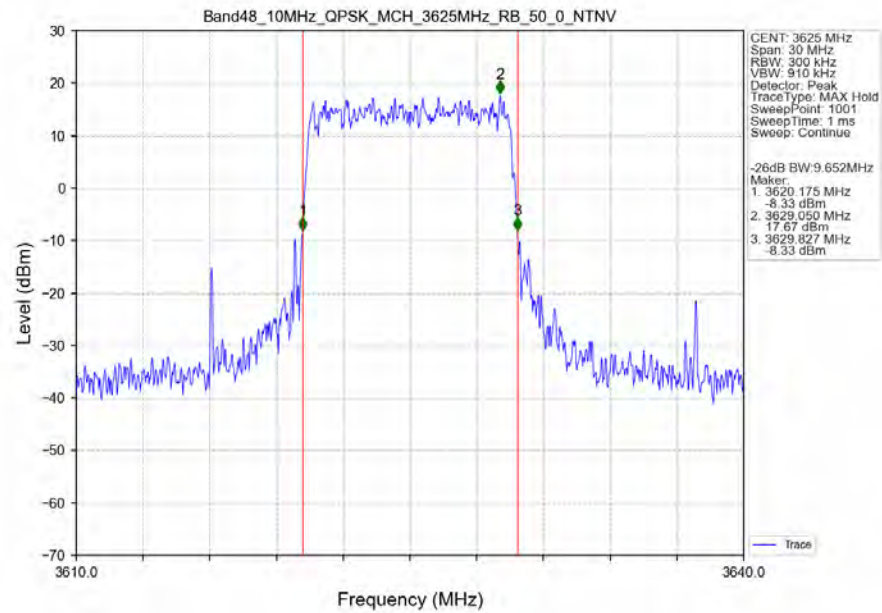
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTV



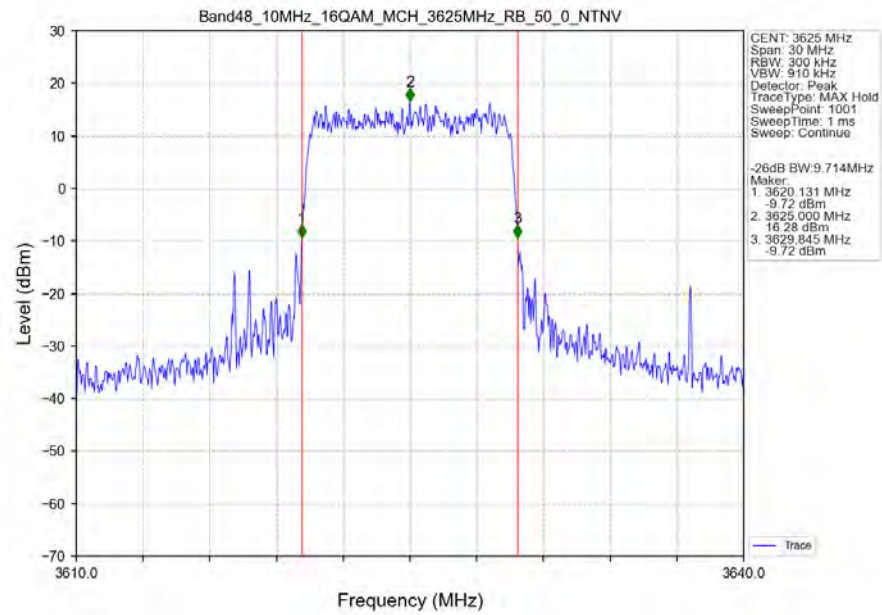
3.2.2 Band48_XDB



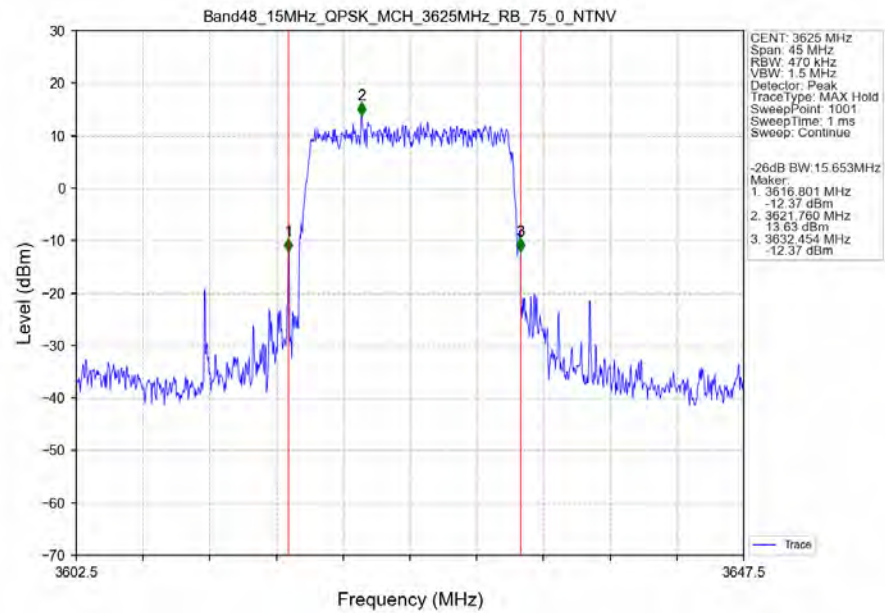
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



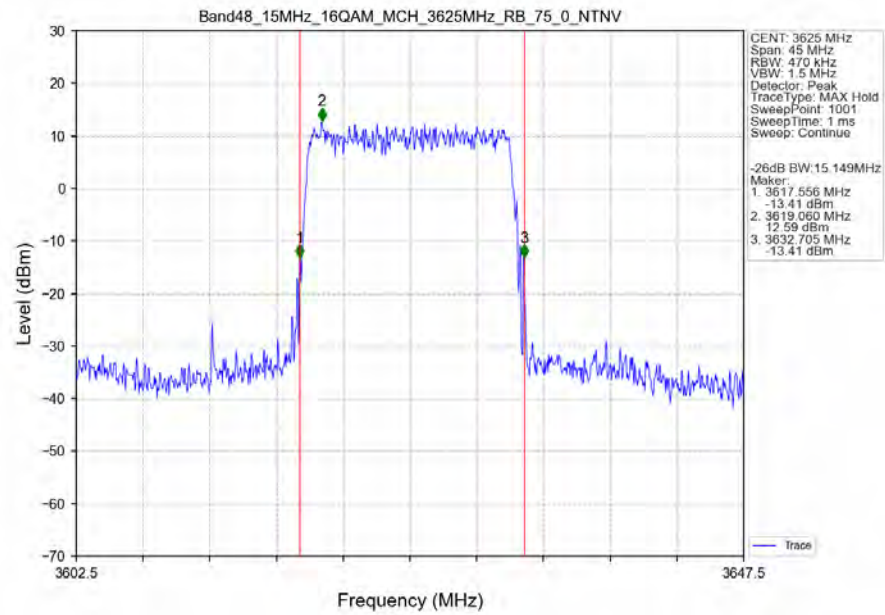
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



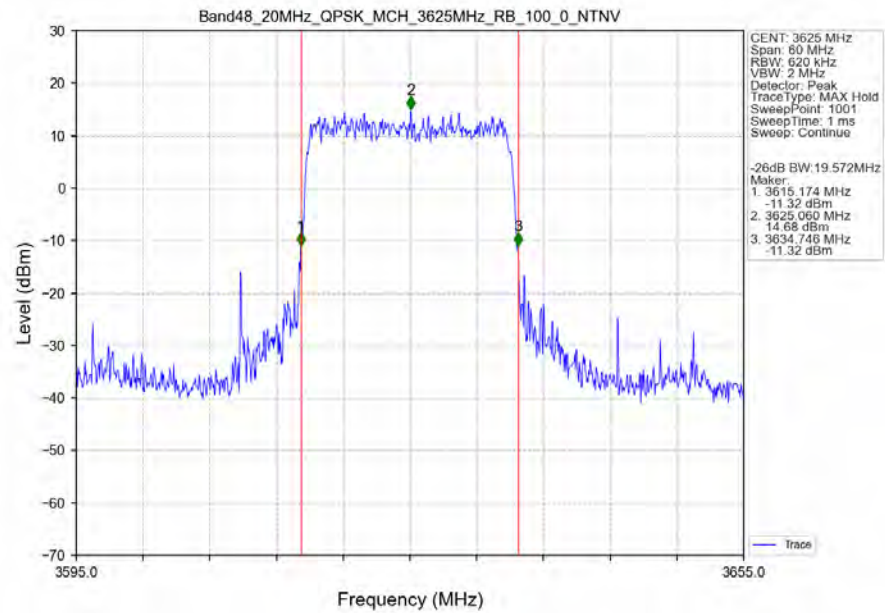
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



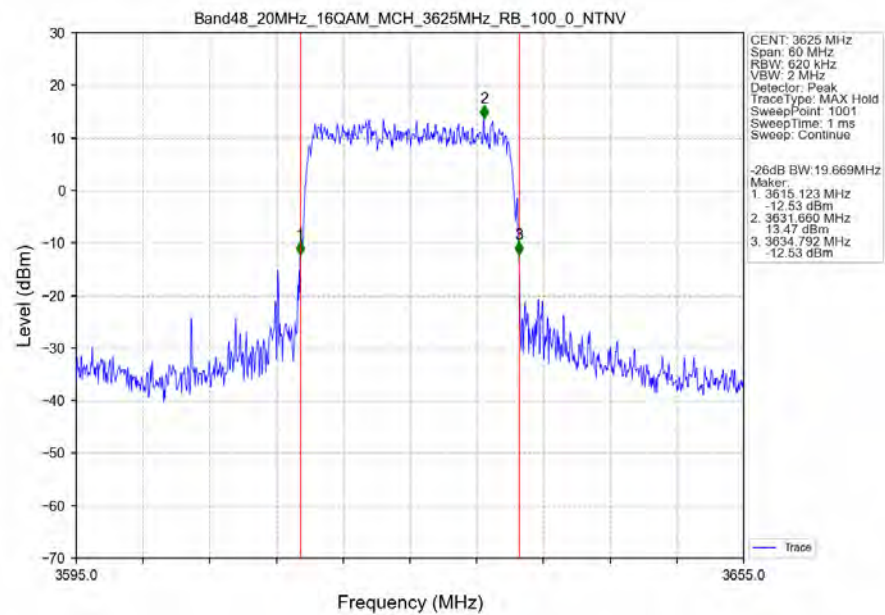
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTV



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



4. Peak-Average Ratio

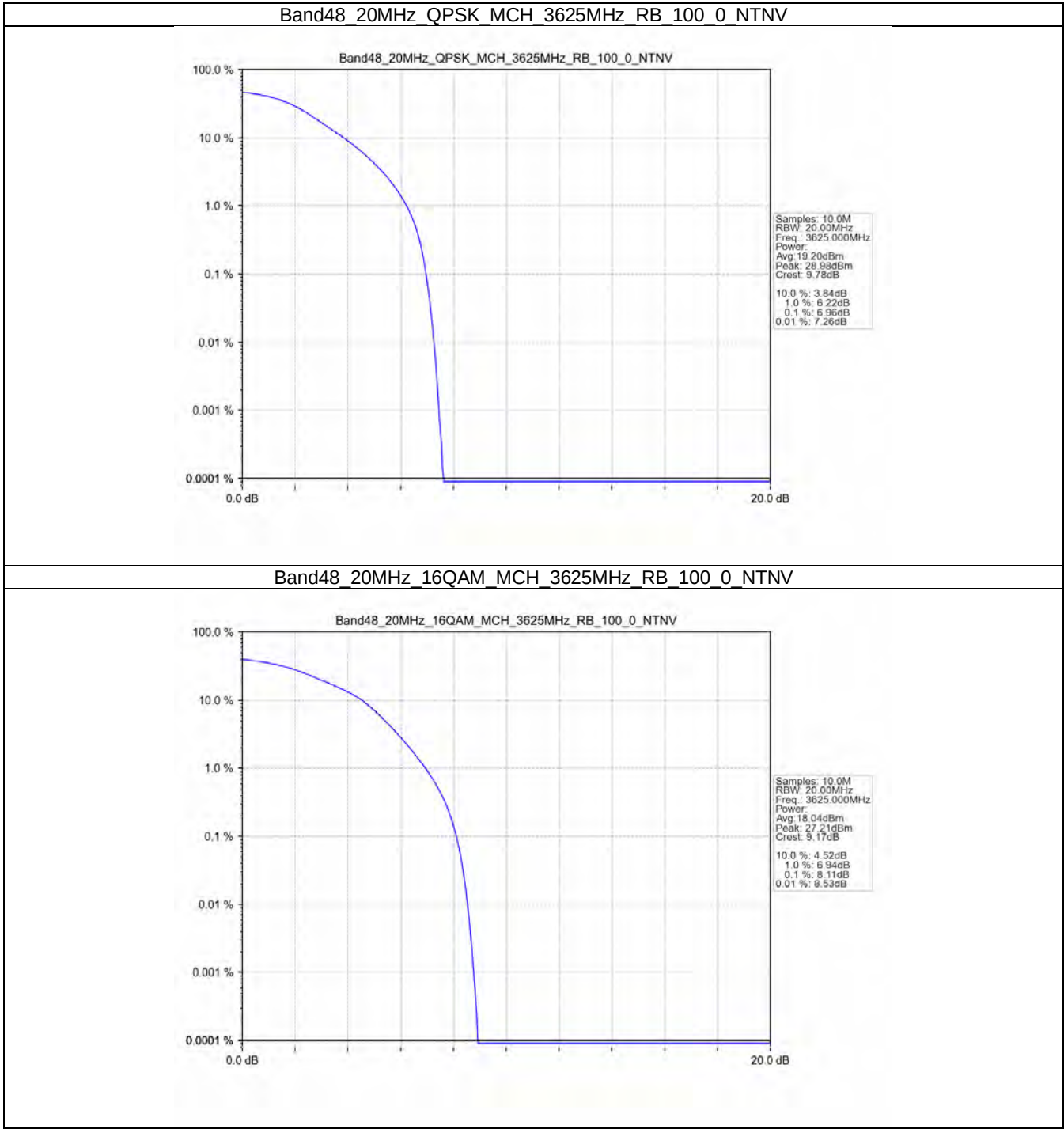
4.1 Test Result

4.1.1 B48_20MHz

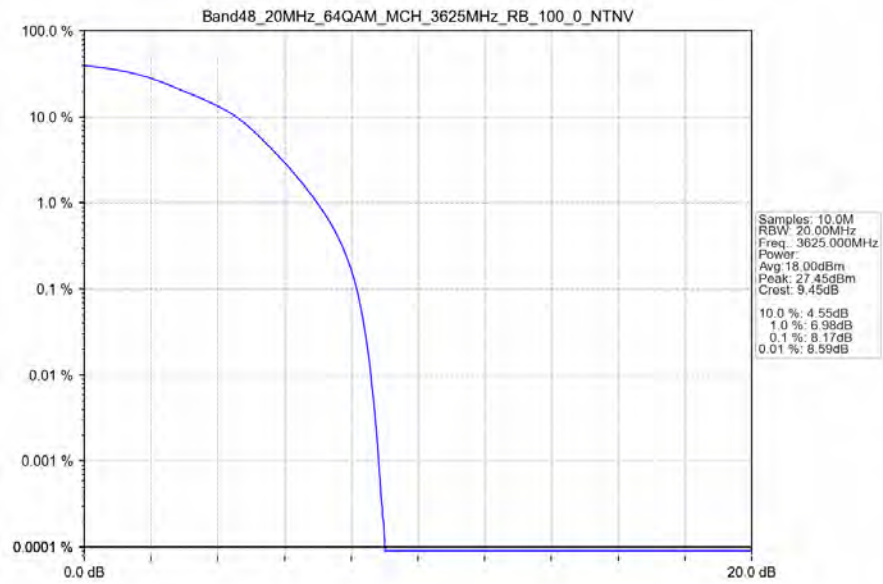
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3625	100	0	6.96	<=13	Pass
16QAM	3625	100	0	8.11	<=13	Pass
64QAM	3625	100	0	8.17	<=13	Pass
256QAM	3625	100	0	8.79	<=13	Pass

4.2 Test Graph

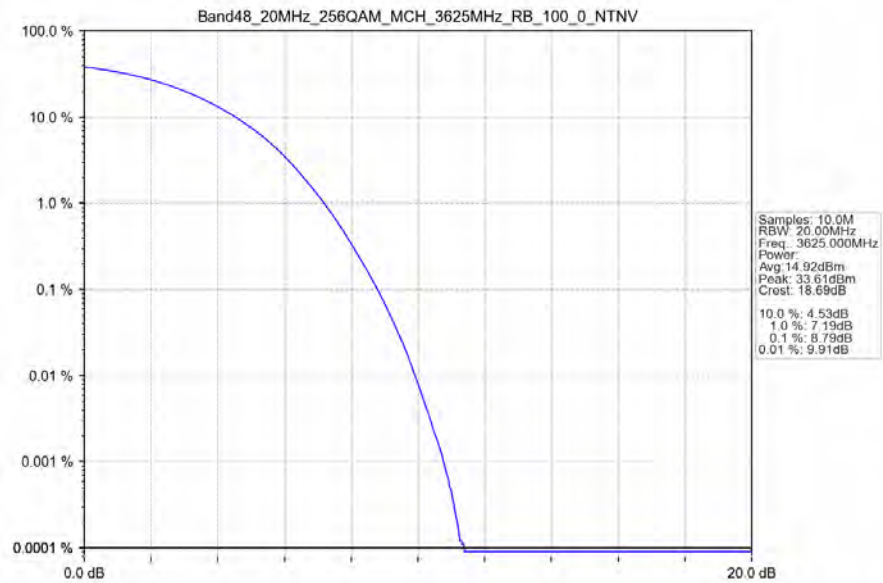
4.2.1 B48_20MHz



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

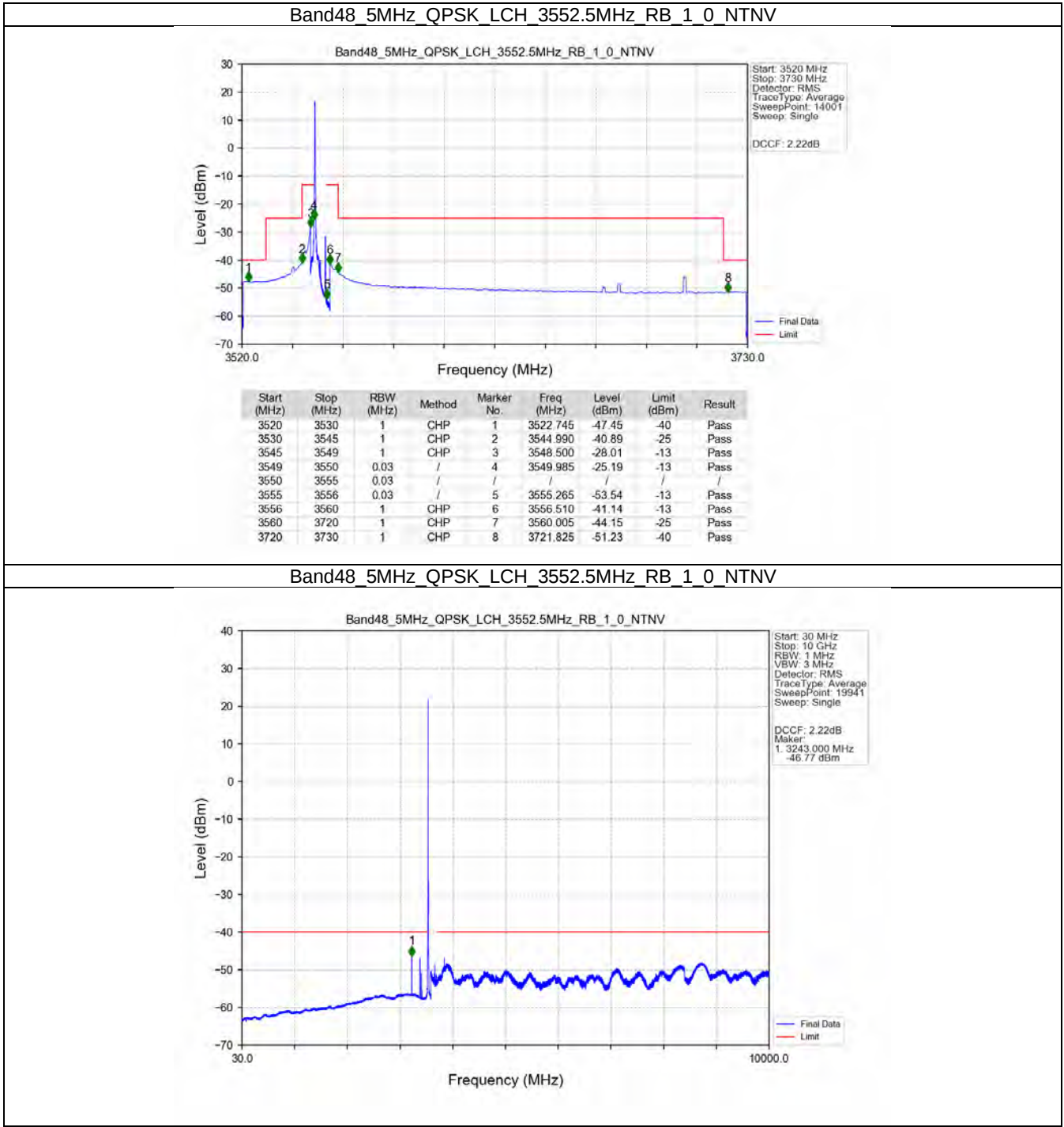
Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3692.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B48_20MHz

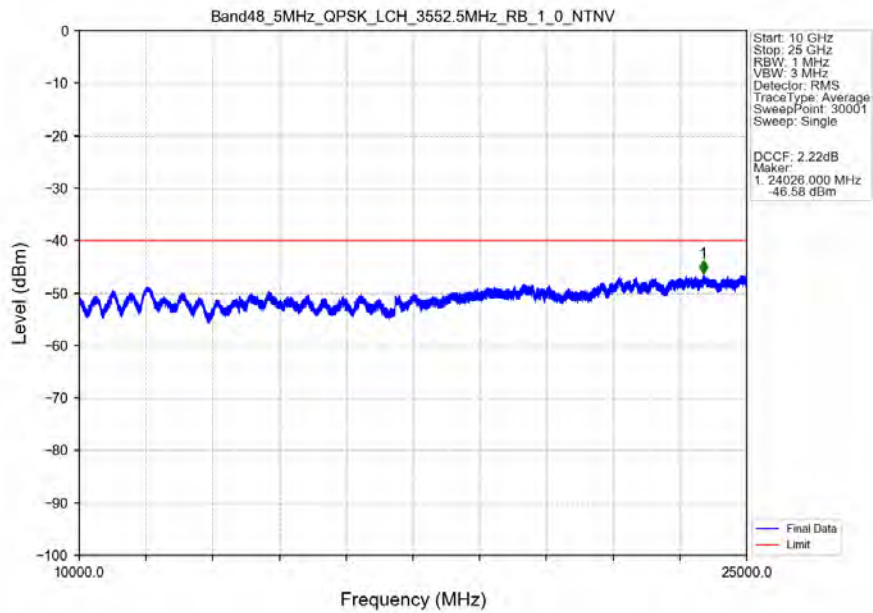
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

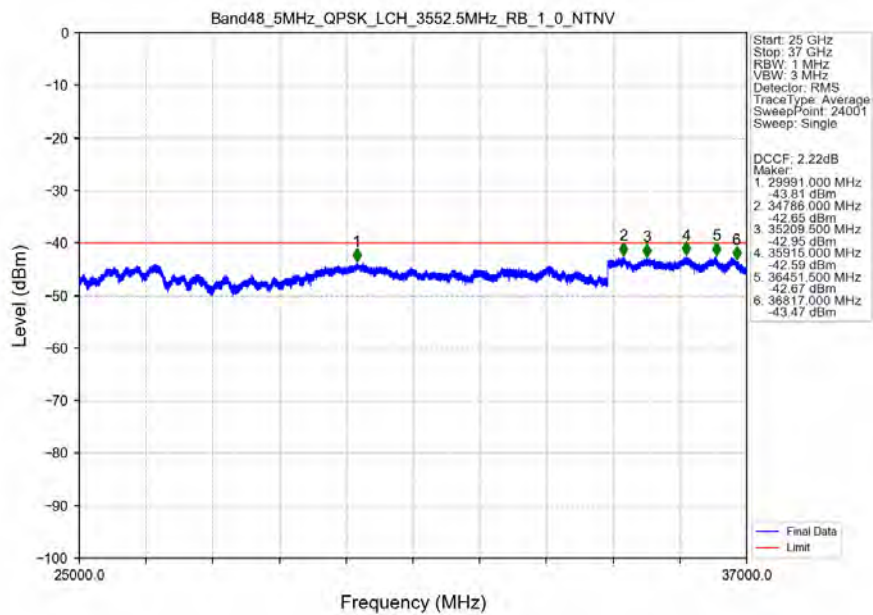
5.2.1 B48_5MHz



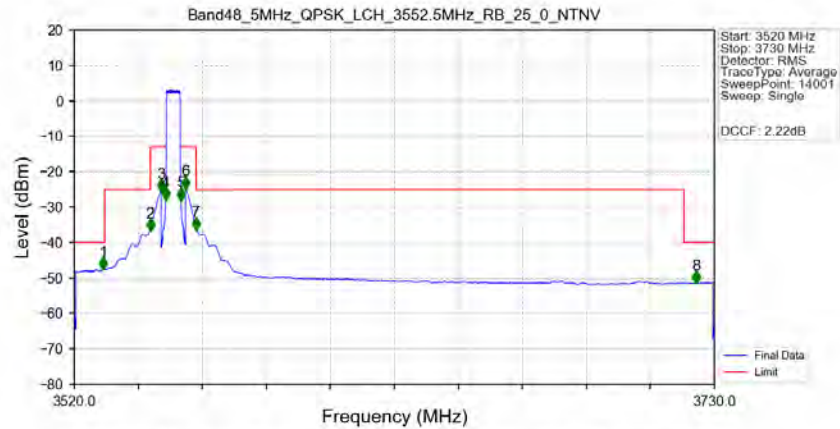
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTV



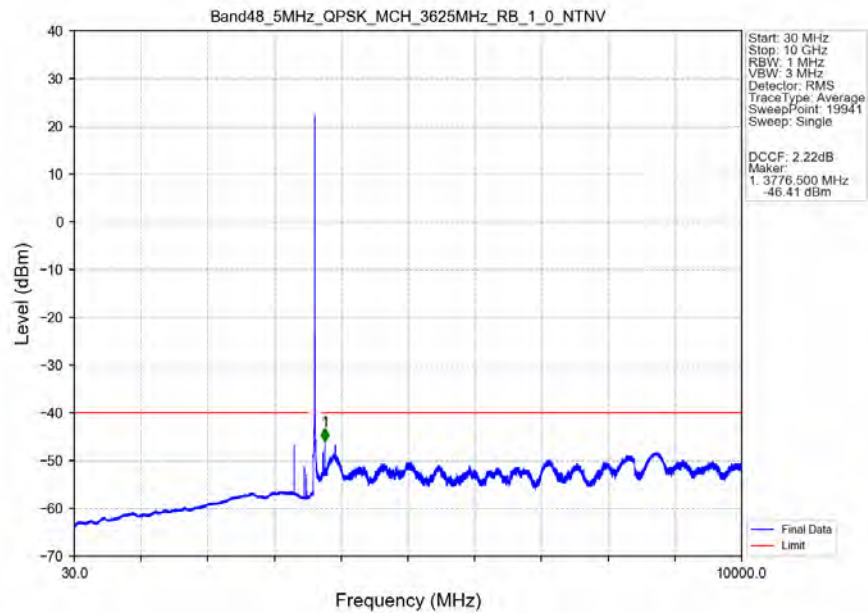
Band48 5MHz QPSK LCH 3552.5MHz RB 1 0 NTV



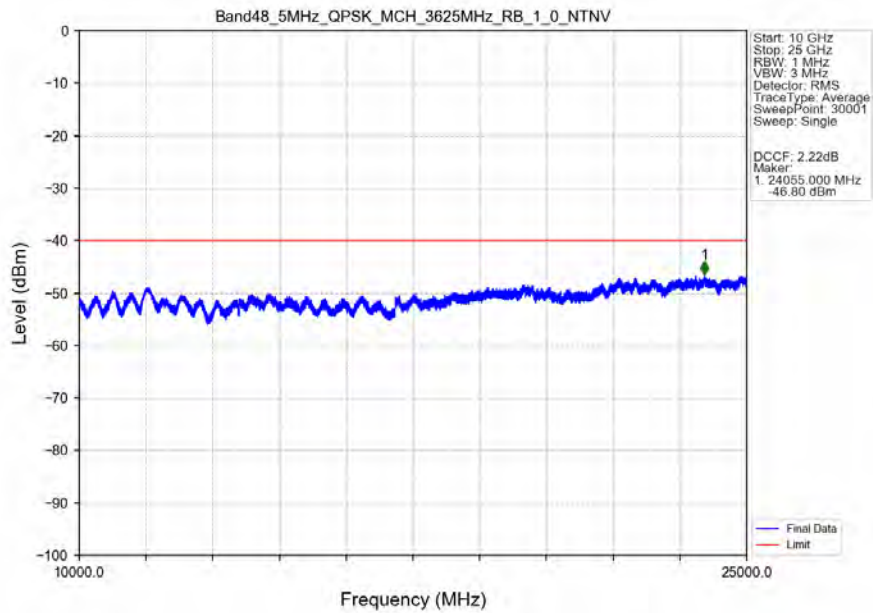
Band48 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



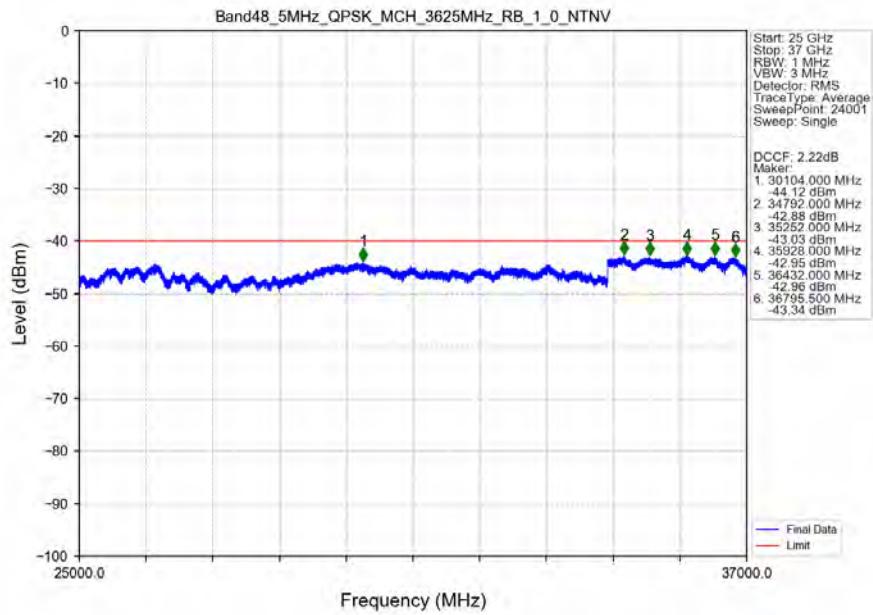
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



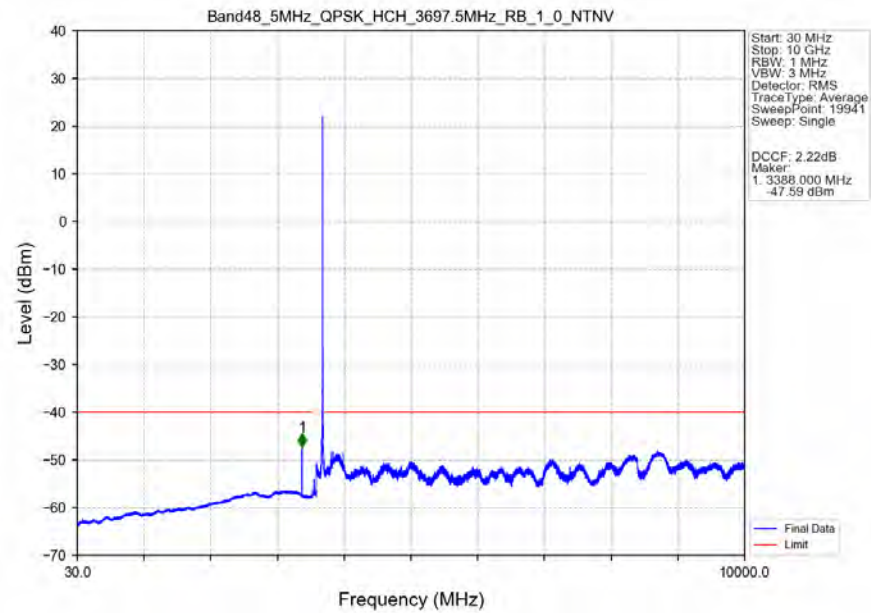
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



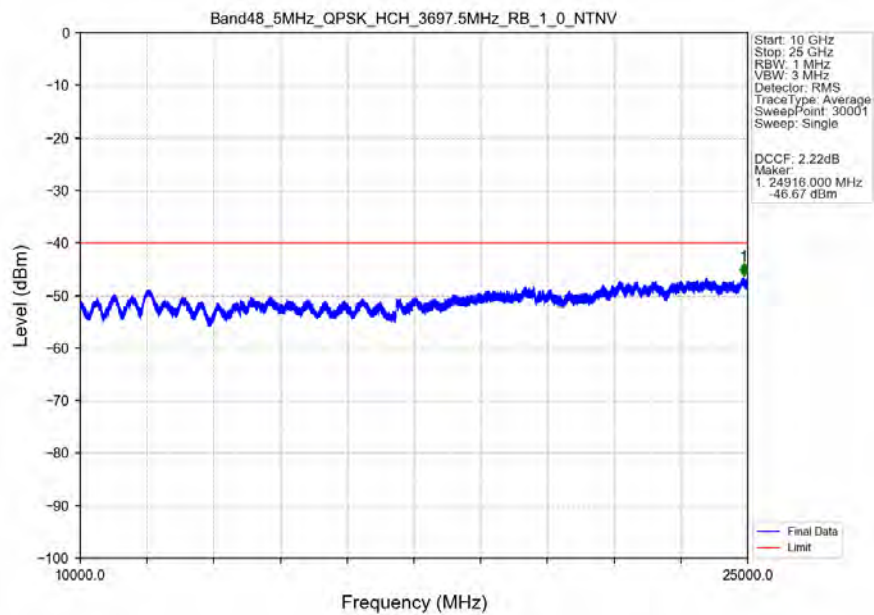
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTN



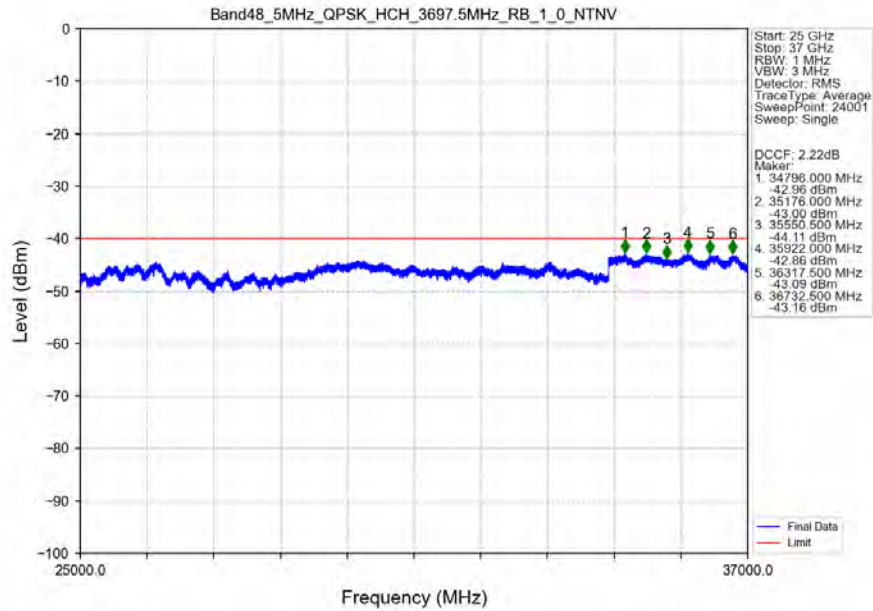
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



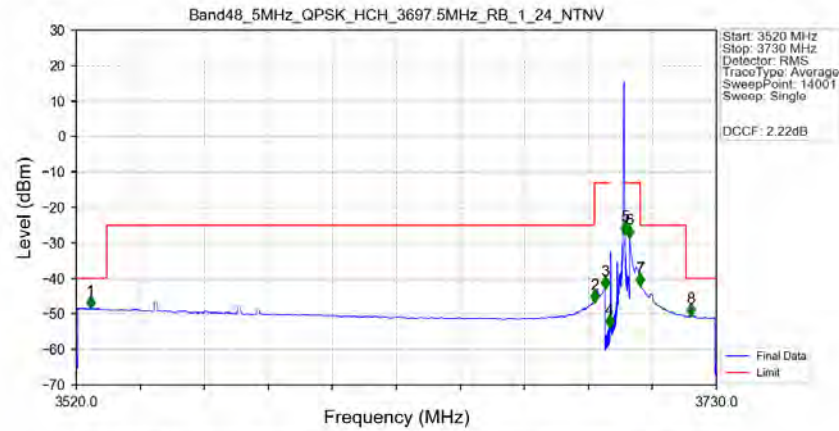
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTV

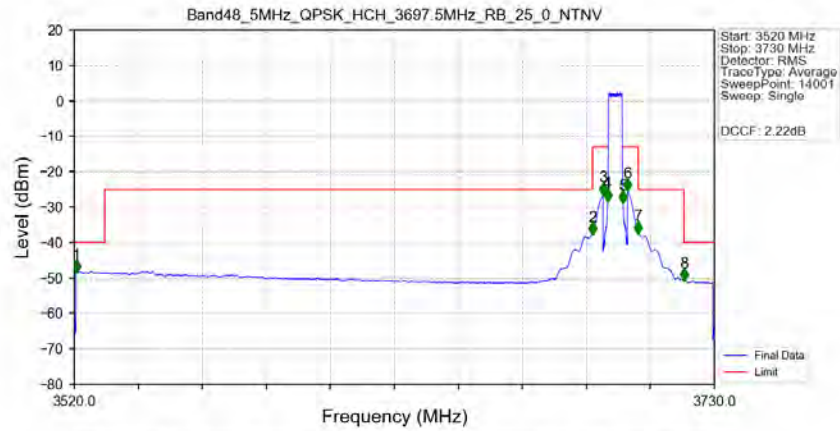


Band48 5MHz QPSK HCH 3697.5MHz RB 1 24 NTV



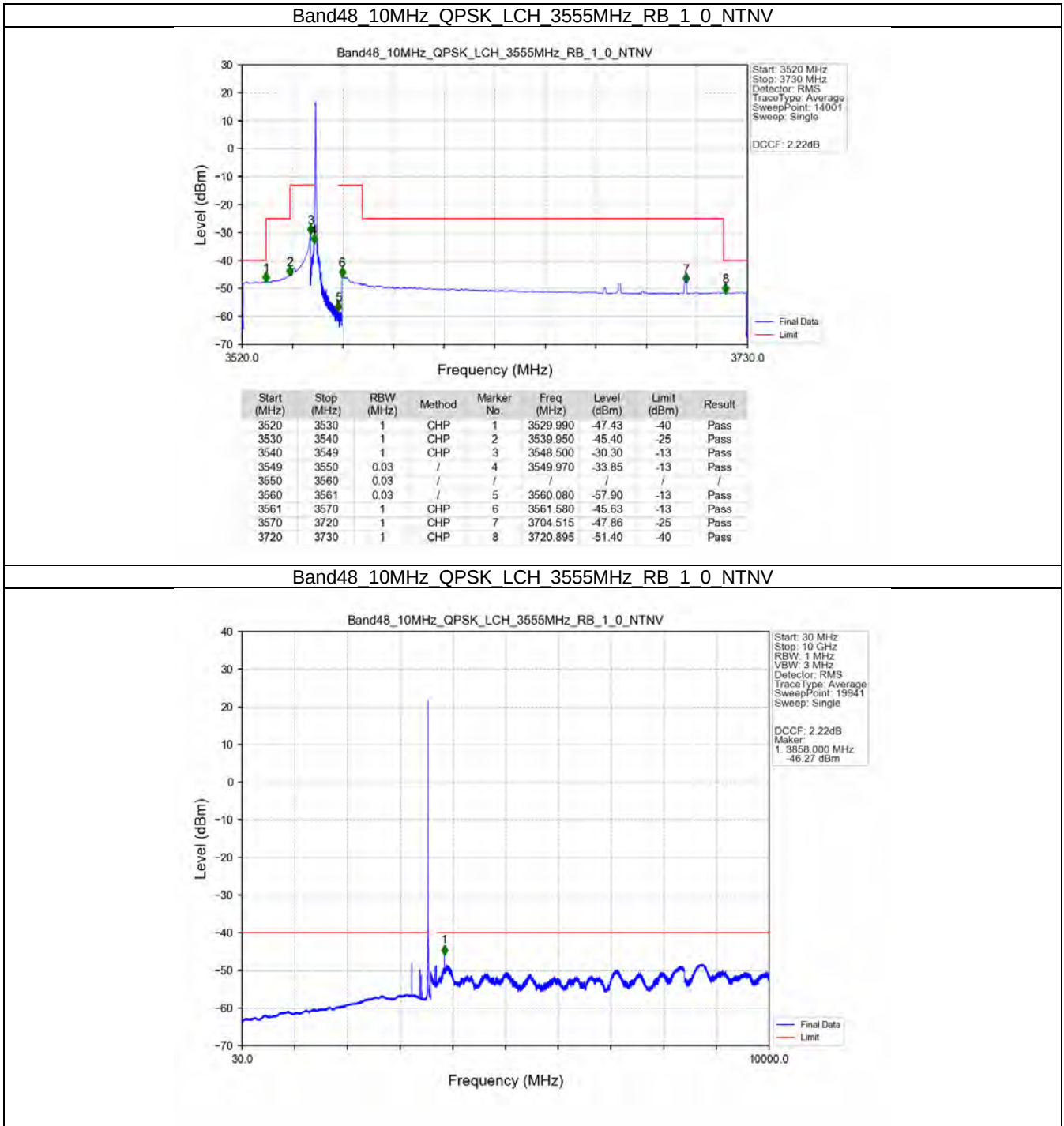
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3524.710	-48.39	-40	Pass
3530	3690	1	CHP	2	3689.995	-46.58	-25	Pass
3690	3694	1	CHP	3	3693.490	-42.80	-13	Pass
3694	3695	0.03	/	4	3694.990	-53.73	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.030	-27.33	-13	Pass
3701	3705	1	CHP	6	3701.500	-28.33	-13	Pass
3705	3720	1	CHP	7	3705.010	-41.91	-25	Pass
3720	3730	1	CHP	8	3721.660	-50.53	-40	Pass

Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTV

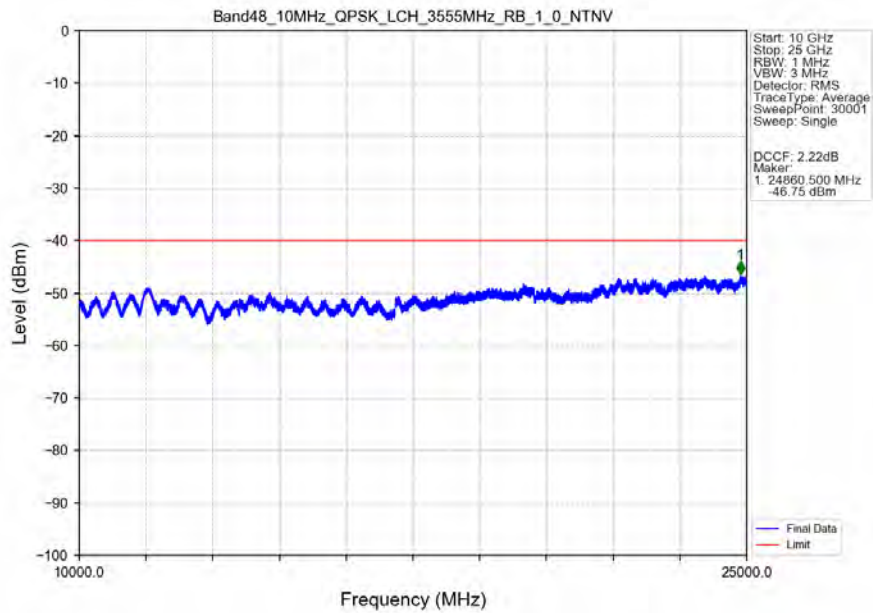


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.735	-48.27	-40	Pass
3530	3690	1	CHP	2	3689.995	-37.55	-25	Pass
3690	3694	1	CHP	3	3693.490	-26.36	-13	Pass
3694	3695	0.05	CHP	4	3694.990	-28.09	-13	Pass
3695	3700	0.05	CHP	/	/	/	/	/
3700	3701	0.05	CHP	5	3700.015	-28.58	-13	Pass
3701	3705	1	CHP	6	3701.500	-25.16	-13	Pass
3705	3720	1	CHP	7	3705.010	-37.26	-25	Pass
3720	3730	1	CHP	8	3720.085	-50.60	-40	Pass

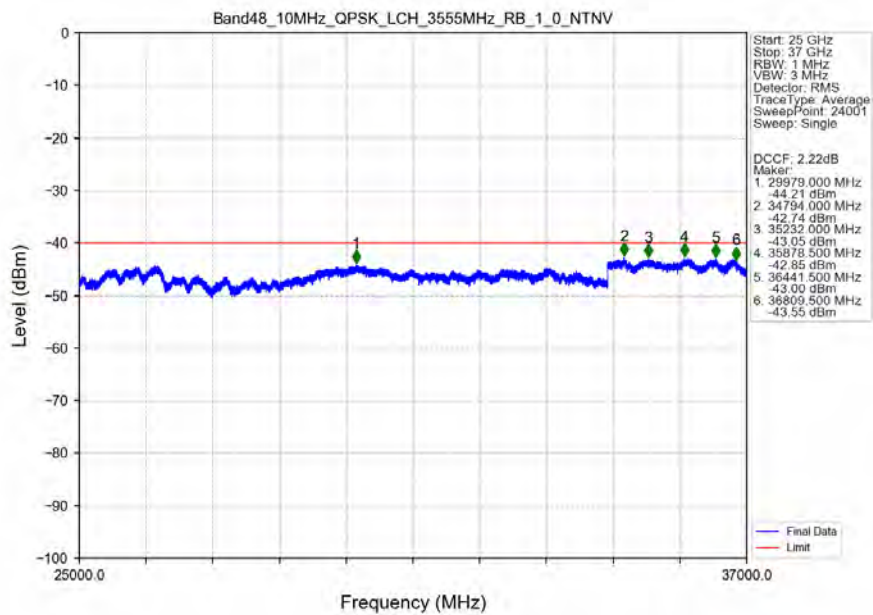
5.2.2 B48_10MHz



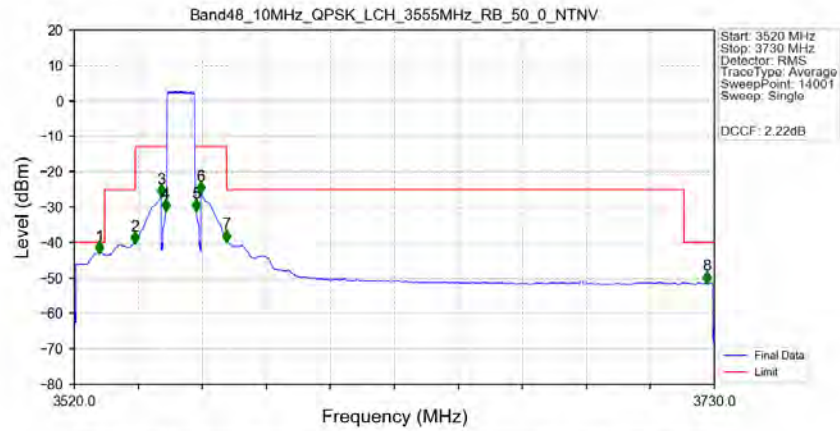
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTNV



Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTNV

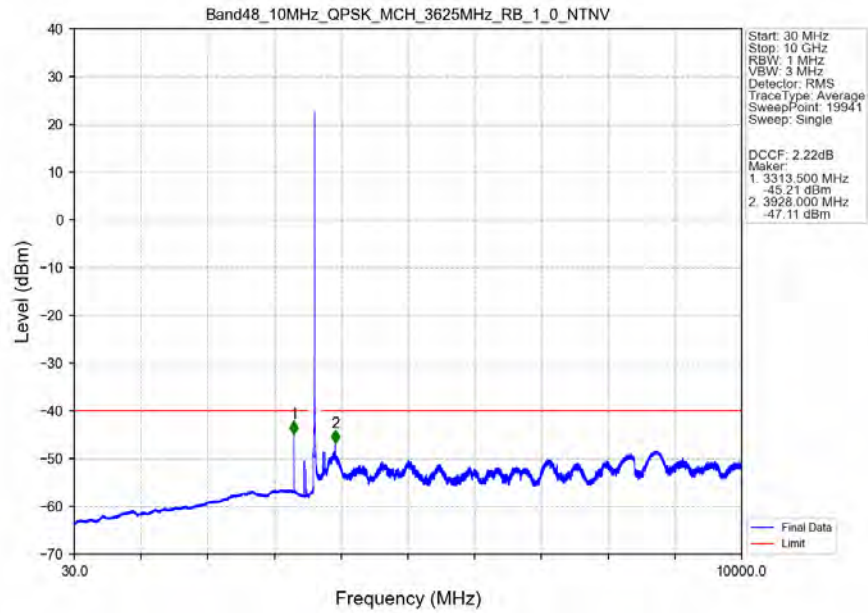


Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTV

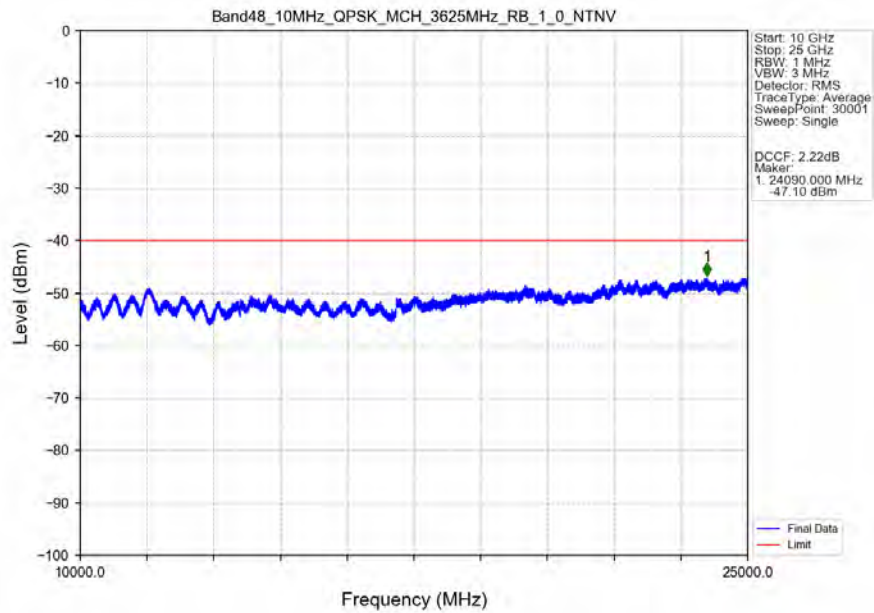


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3528.265	-42.90	-40	Pass
3530	3540	1	CHP	2	3539.905	-40.14	-25	Pass
3540	3549	1	CHP	3	3548.500	-26.88	-13	Pass
3549	3550	0.097	CHP	4	3549.985	-31.03	-13	Pass
3550	3560	0.097	CHP	/	/	/	/	/
3560	3561	0.097	CHP	5	3560.005	-30.97	-13	Pass
3561	3570	1	CHP	6	3561.505	-26.12	-13	Pass
3570	3720	1	CHP	7	3570.010	-39.61	-25	Pass
3720	3730	1	CHP	8	3727.420	-51.35	-40	Pass

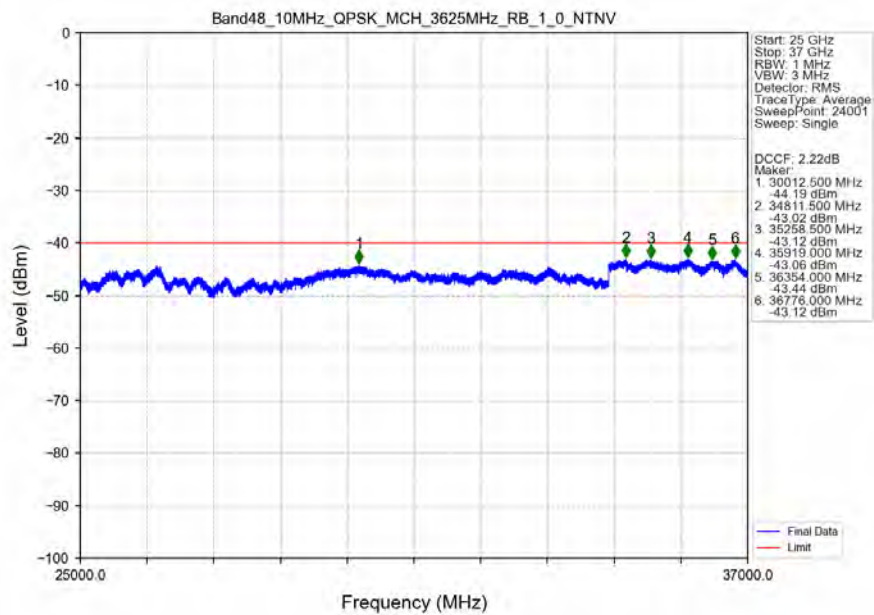
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTV



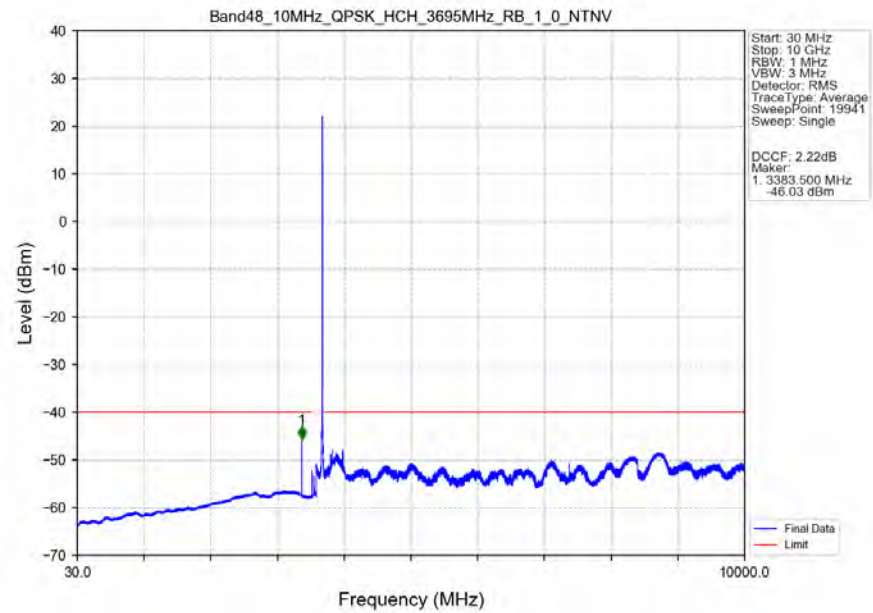
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTNV



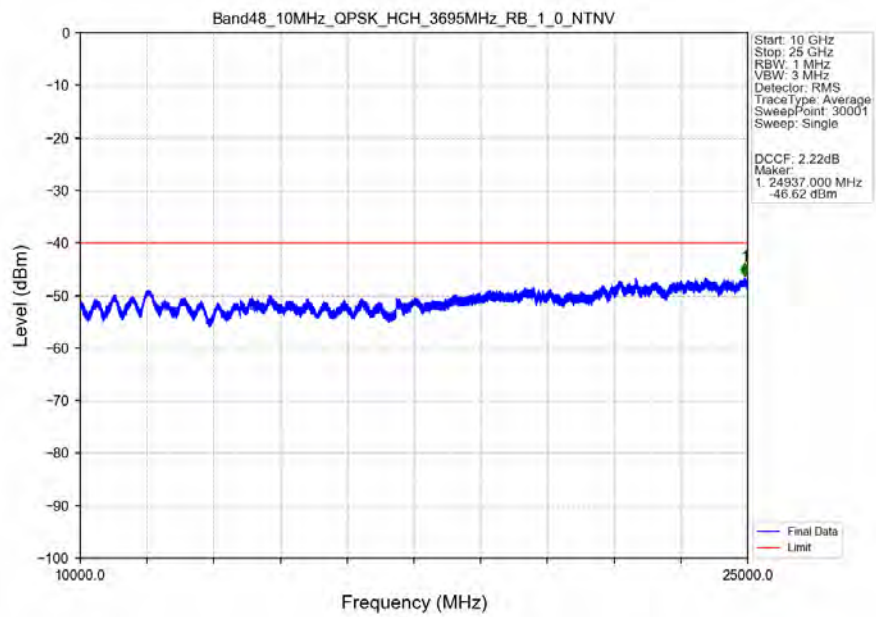
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTNV



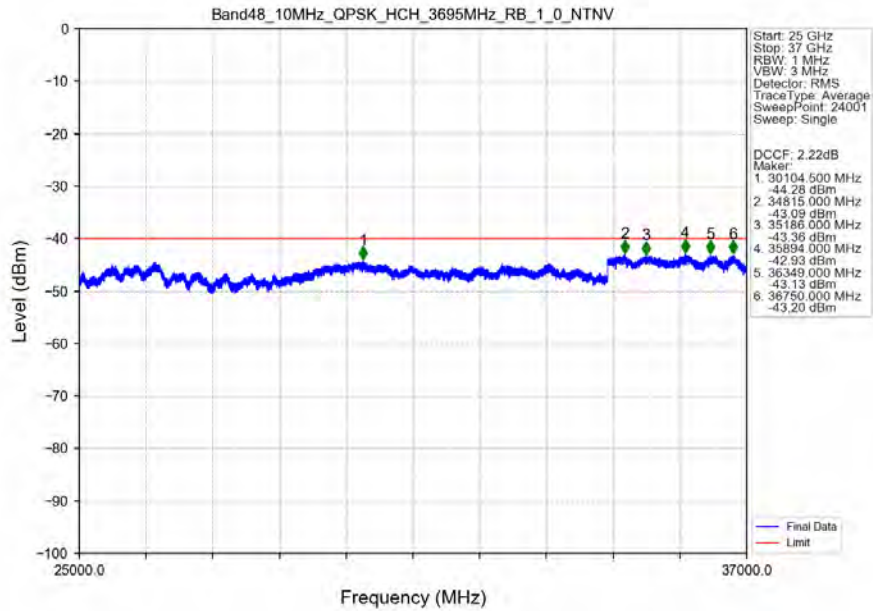
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTN



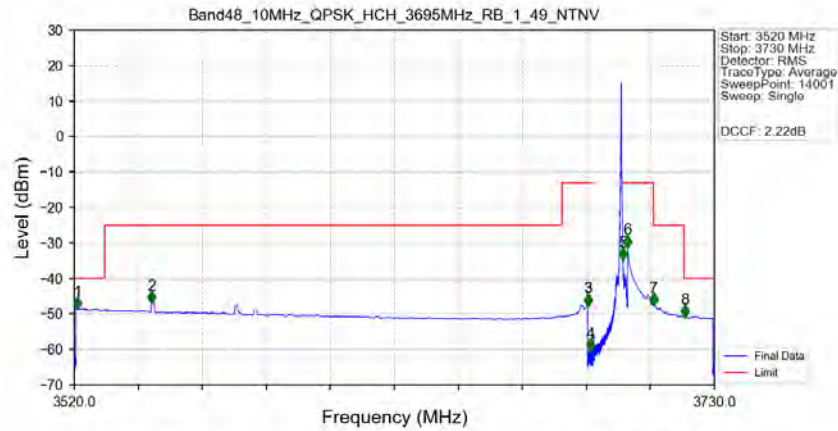
Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTN



Band48 10MHz QPSK HCH 3695MHz RB 1 0 NTV

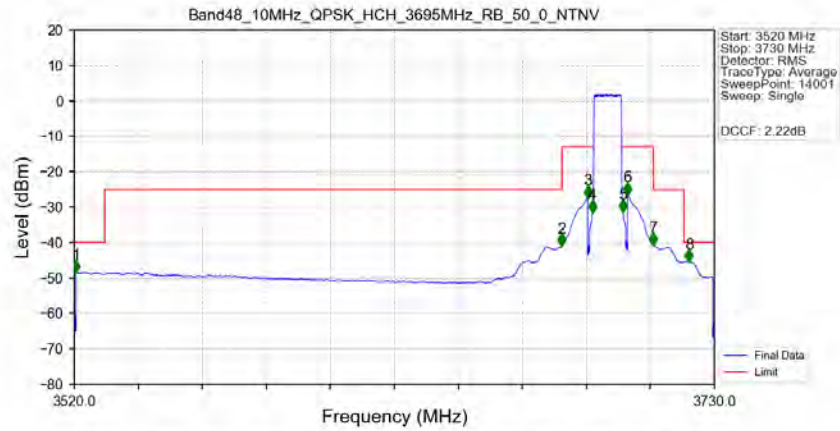


Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTV



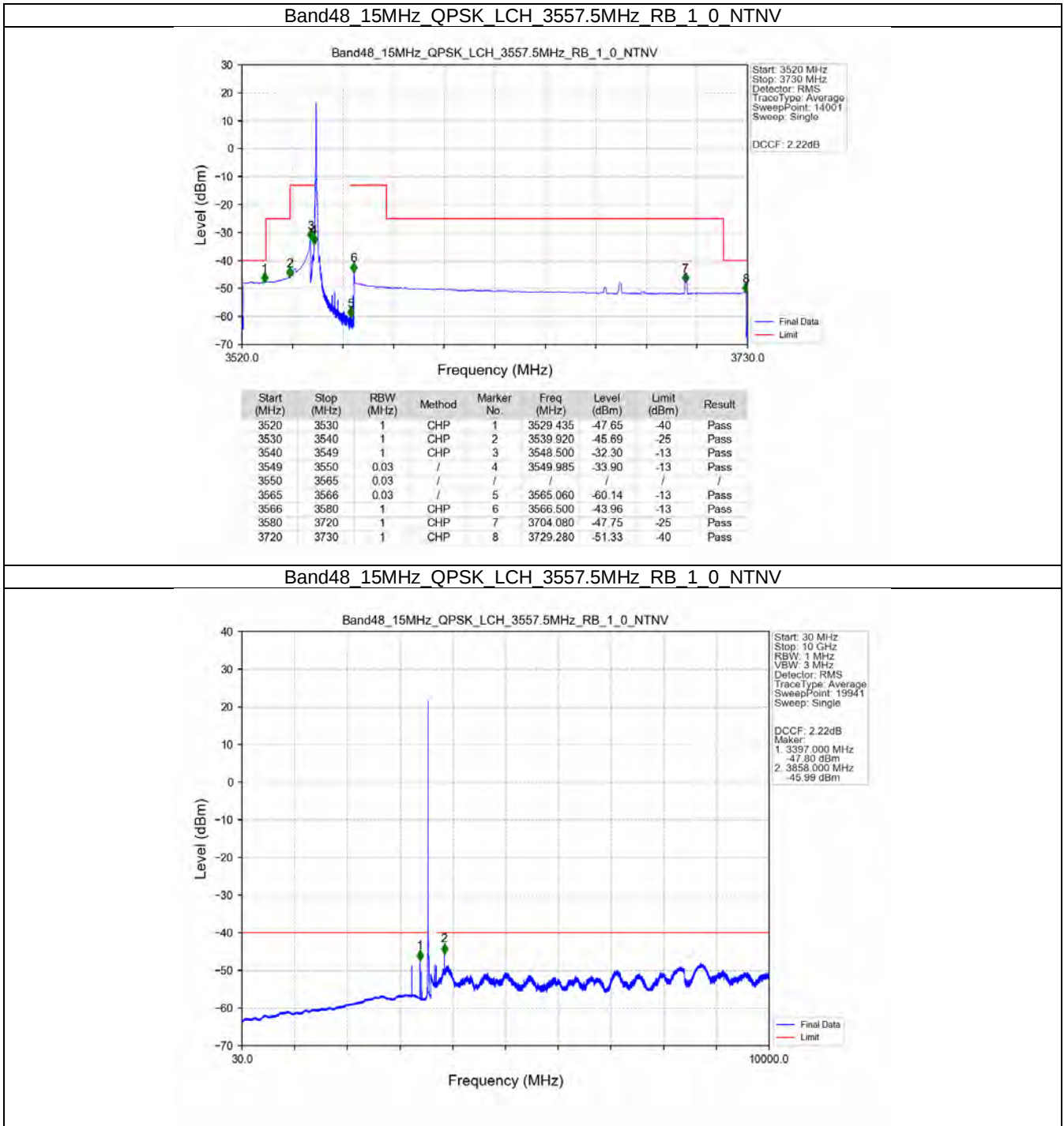
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.080	-48.48	-40	Pass
3530	3680	1	CHP	2	3545.425	-46.80	-25	Pass
3680	3689	1	CHP	3	3688.495	-47.57	-13	Pass
3689	3690	0.03	/	4	3689.395	-60.35	-13	Pass
3690	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.015	-34.60	-13	Pass
3701	3710	1	CHP	6	3701.500	-31.15	-13	Pass
3710	3720	1	CHP	7	3710.035	-47.48	-25	Pass
3720	3730	1	CHP	8	3720.325	-50.77	-40	Pass

Band48 10MHz QPSK HCH 3695MHz RB 50 0 NTNV

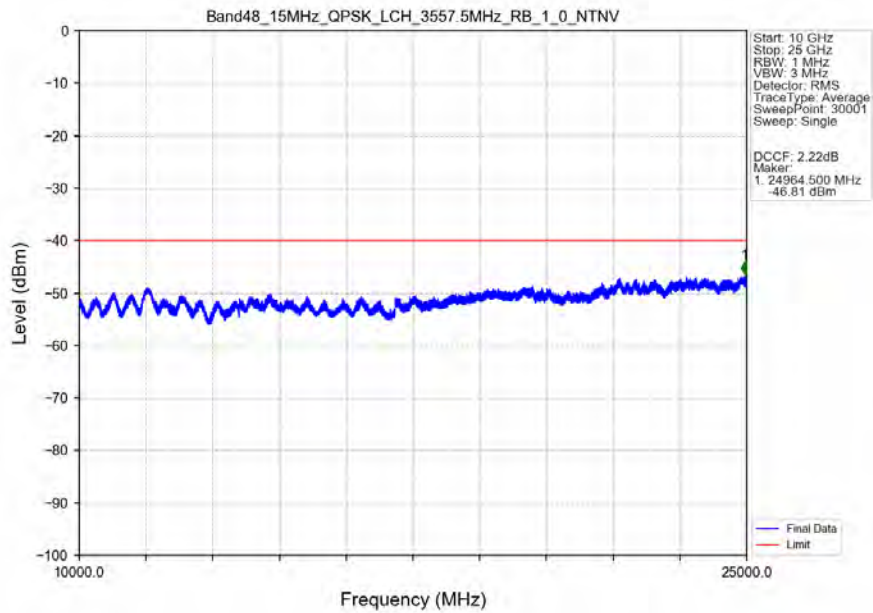


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.615	-48.33	-40	Pass
3530	3680	1	CHP	2	3679.960	-40.87	-25	Pass
3680	3689	1	CHP	3	3688.495	-27.20	-13	Pass
3689	3690	0.097	CHP	4	3689.995	-31.31	-13	Pass
3690	3700	0.097	CHP	/	/	/	/	/
3700	3701	0.097	CHP	5	3700.015	-31.17	-13	Pass
3701	3710	1	CHP	6	3701.500	-26.38	-13	Pass
3710	3720	1	CHP	7	3710.005	-40.66	-25	Pass
3720	3730	1	CHP	8	3721.675	-45.23	-40	Pass

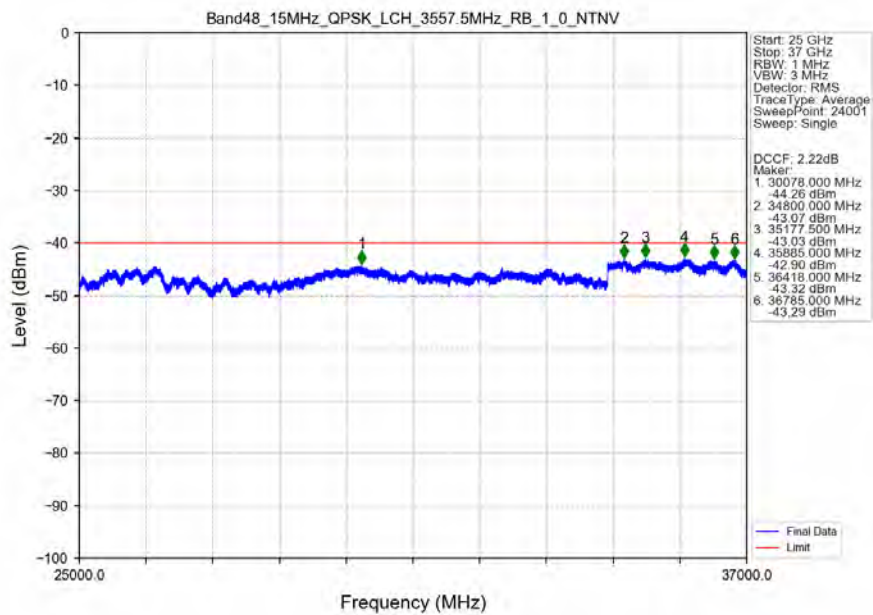
5.2.3 B48_15MHz



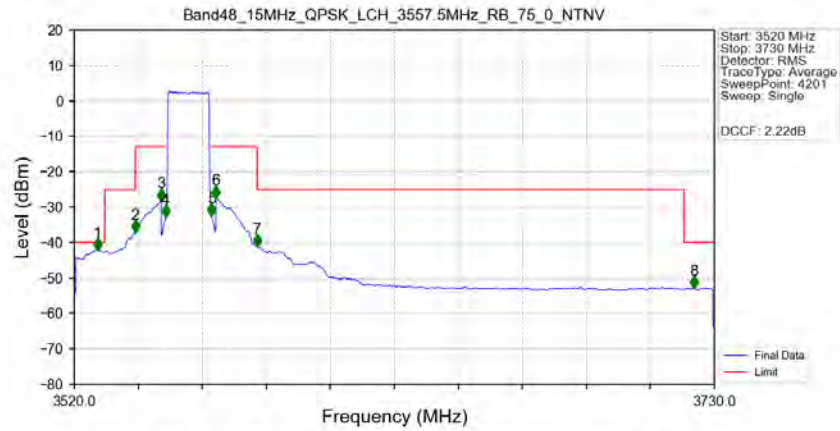
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV

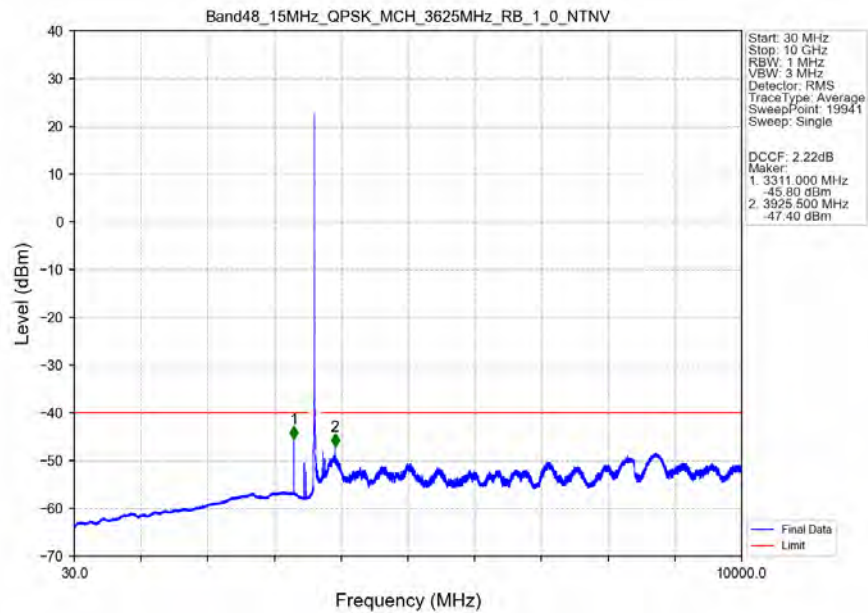


Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV

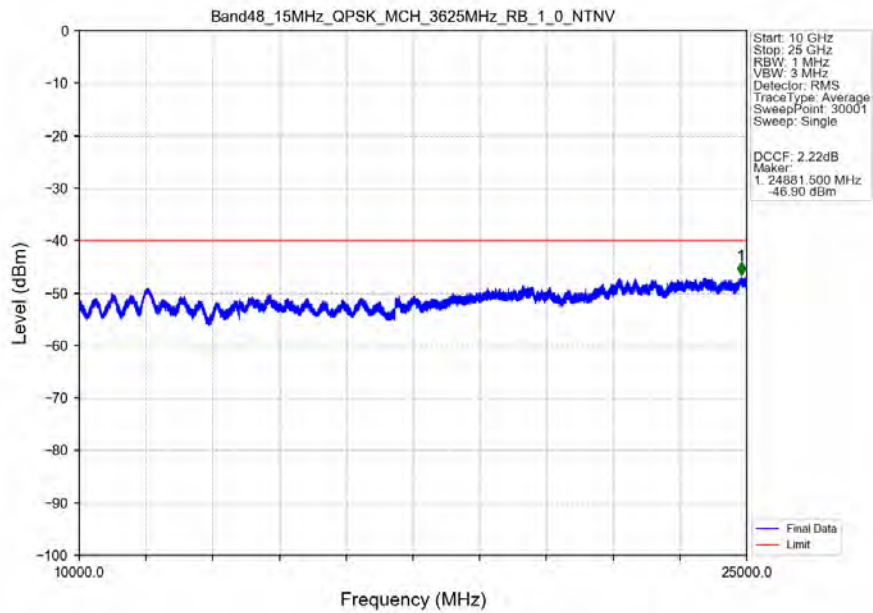


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3527.650	-42.04	-40	Pass
3530	3540	1	CHP	2	3540.000	-36.89	-25	Pass
3540	3549	1	CHP	3	3548.500	-28.09	-13	Pass
3549	3550	0.151	CHP	4	3549.950	-32.61	-13	Pass
3550	3565	0.151	CHP	/	/	/	/	/
3565	3566	0.151	CHP	5	3565.050	-32.24	-13	Pass
3566	3580	1	CHP	6	3566.500	-27.23	-13	Pass
3580	3720	1	CHP	7	3580.100	-41.03	-25	Pass
3720	3730	1	CHP	8	3723.200	-52.73	-40	Pass

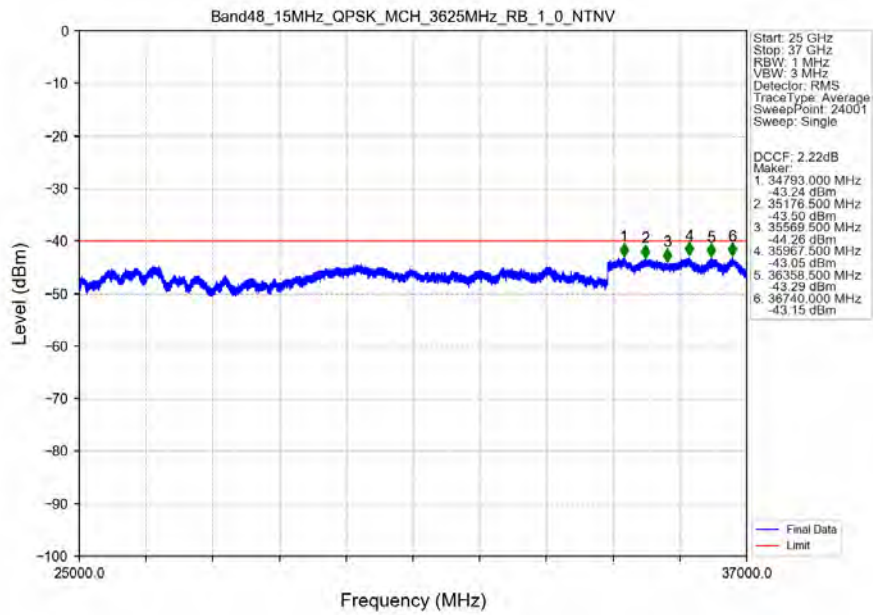
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTNV



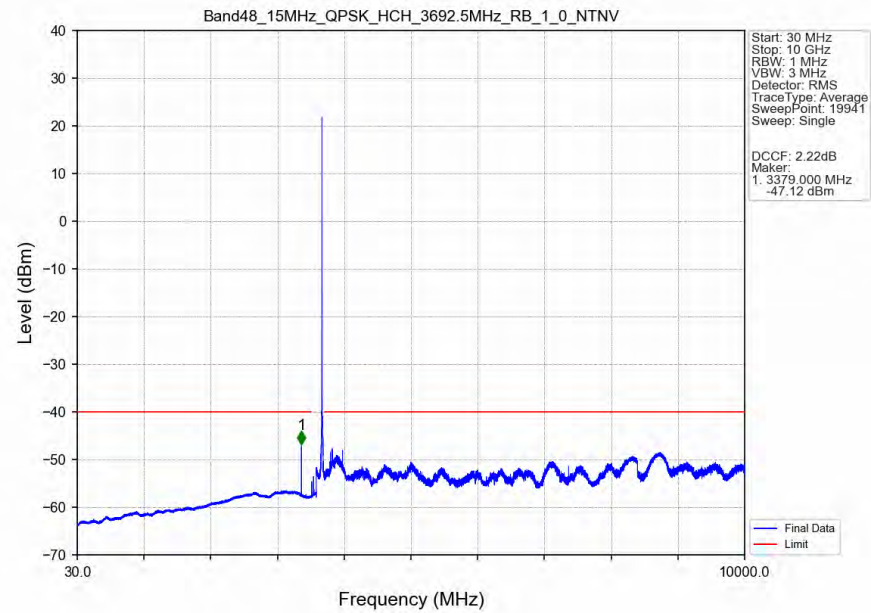
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTNV



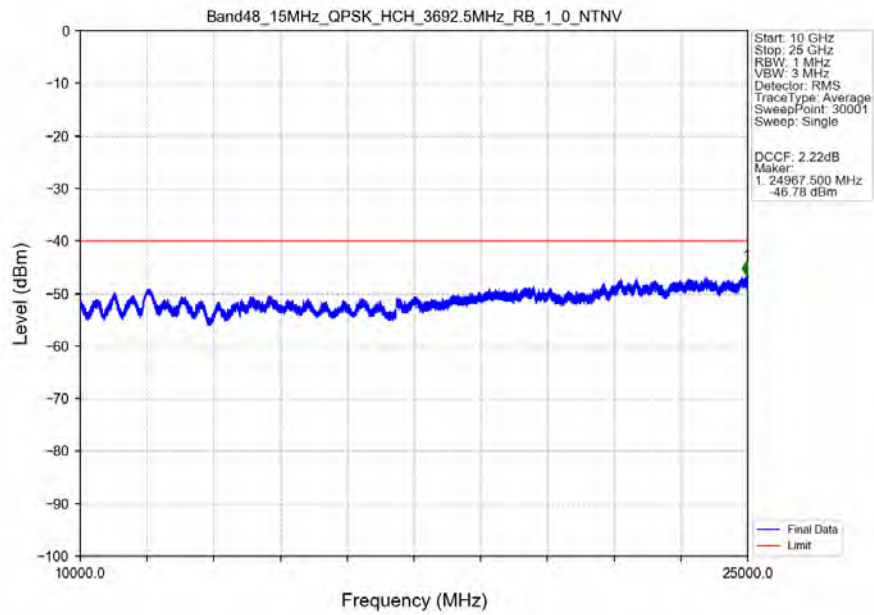
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTNV



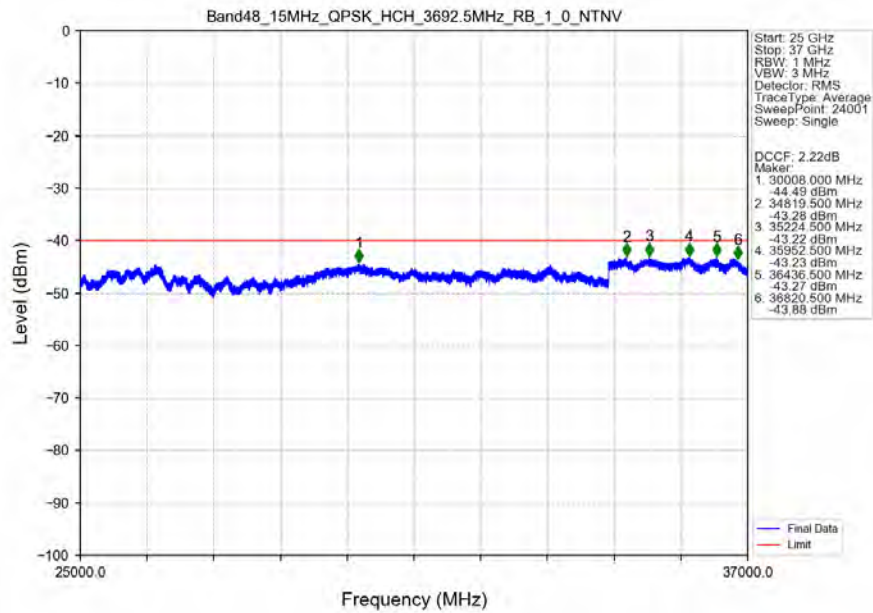
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



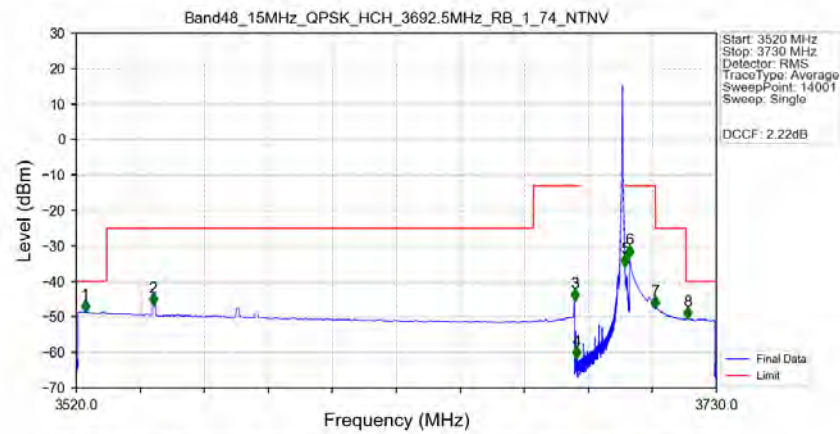
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTV

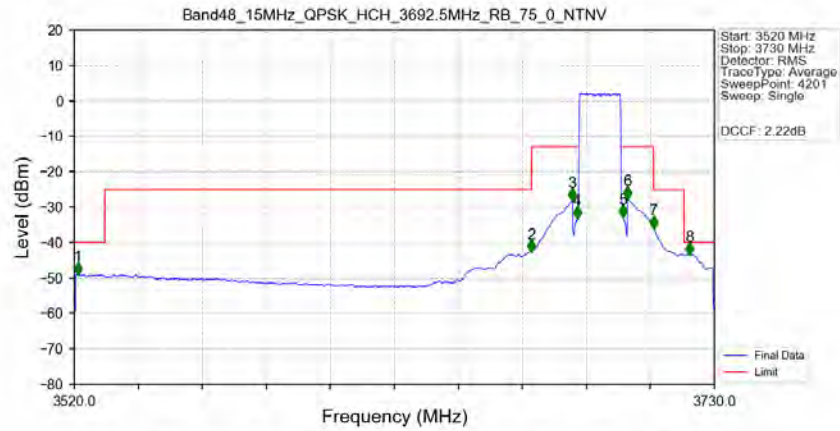


Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTV



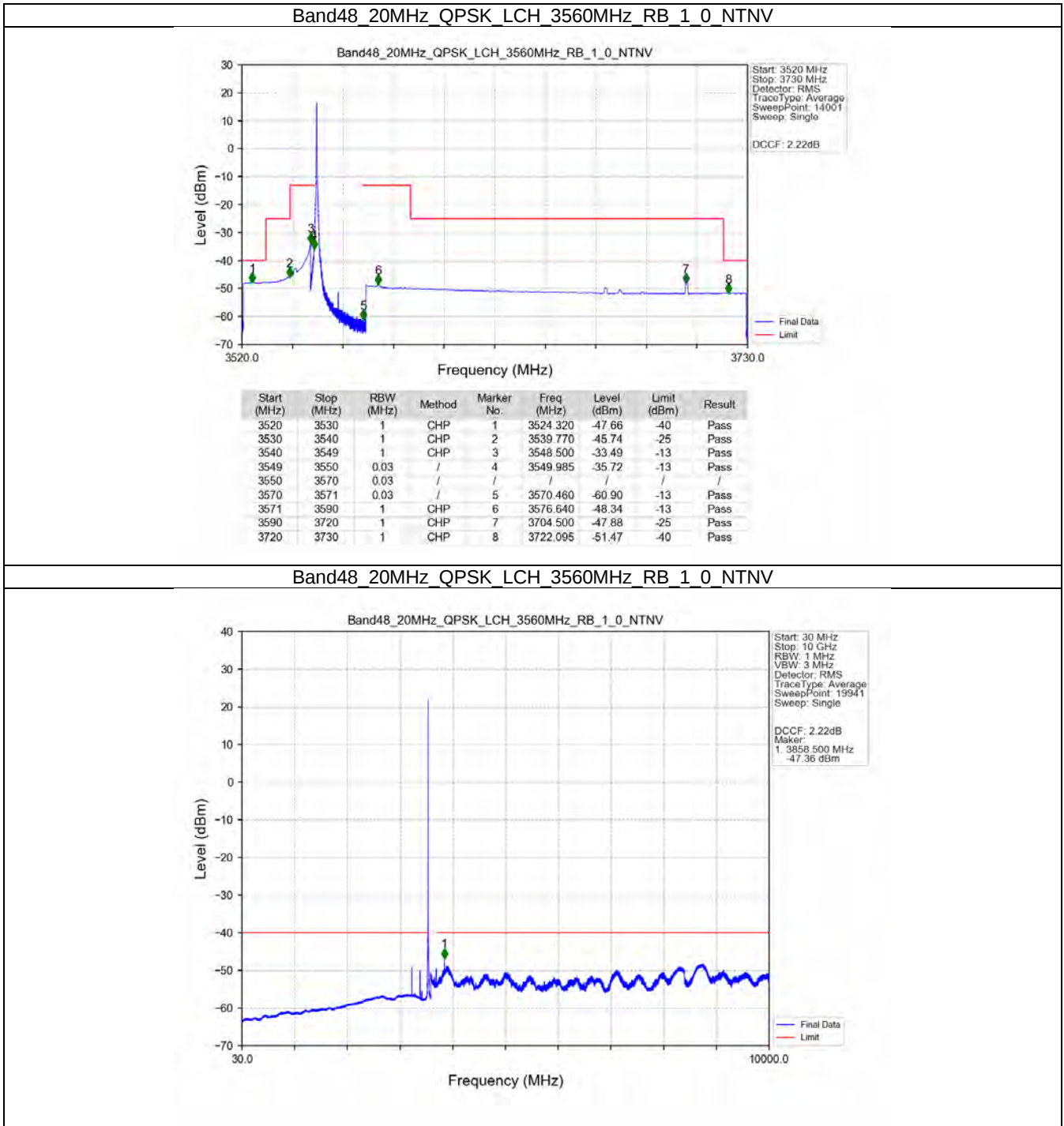
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.895	-48.56	-40	Pass
3530	3670	1	CHP	2	3545.230	-46.63	-25	Pass
3670	3684	1	CHP	3	3683.500	-45.35	-13	Pass
3684	3685	0.03	/	4	3684.100	-61.51	-13	Pass
3685	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.030	-35.59	-13	Pass
3701	3710	1	CHP	6	3701.500	-33.04	-13	Pass
3710	3720	1	CHP	7	3710.005	-47.41	-25	Pass
3720	3730	1	CHP	8	3720.610	-50.41	-40	Pass

Band48 15MHz QPSK HCH 3692.5MHz RB 75 0 NTNV

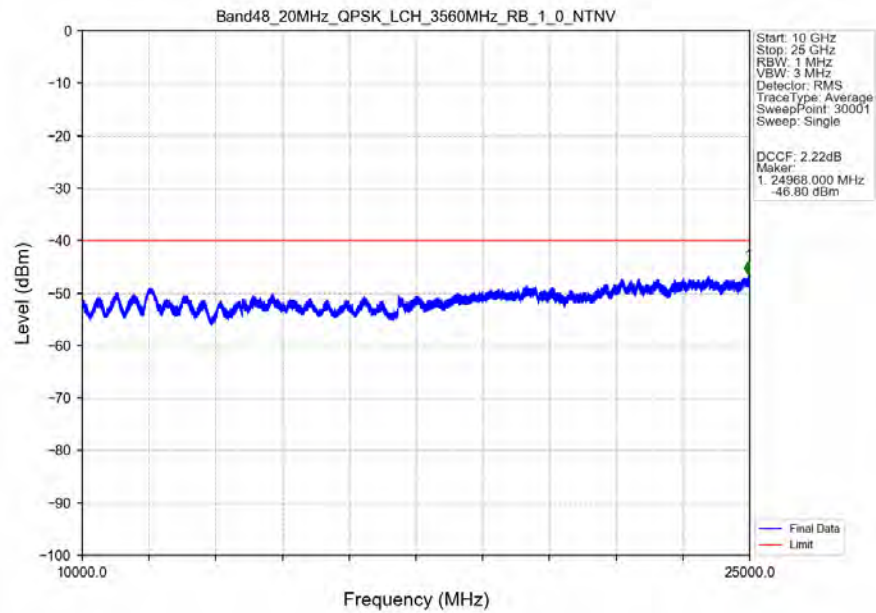


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.150	-48.84	-40	Pass
3530	3670	1	CHP	2	3670.000	-42.47	-25	Pass
3670	3684	1	CHP	3	3683.450	-27.99	-13	Pass
3684	3685	0.157	CHP	4	3684.950	-33.00	-13	Pass
3685	3700	0.157	CHP	/	/	/	/	/
3700	3701	0.157	CHP	5	3700.050	-32.64	-13	Pass
3701	3710	1	CHP	6	3701.500	-27.43	-13	Pass
3710	3720	1	CHP	7	3710.050	-35.80	-25	Pass
3720	3730	1	CHP	8	3721.850	-43.28	-40	Pass

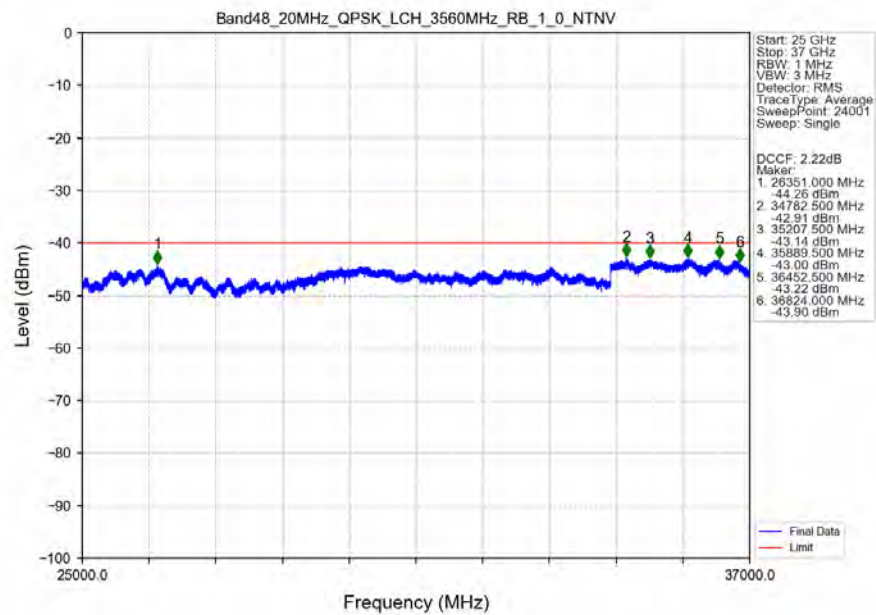
5.2.4 B48_20MHz



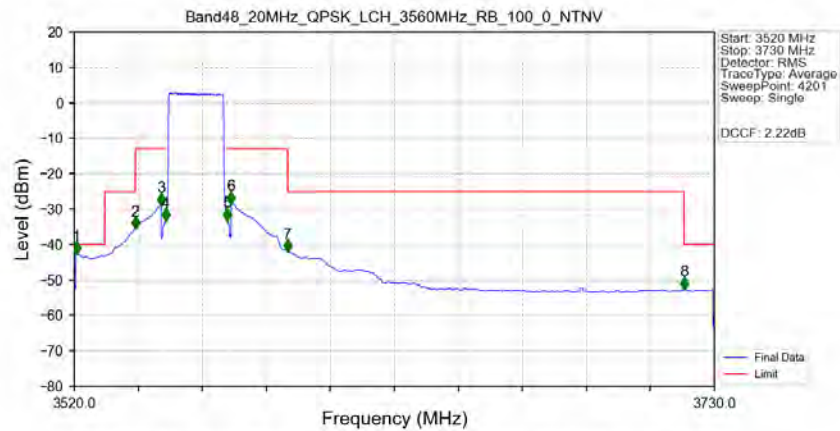
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTNV



Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTNV

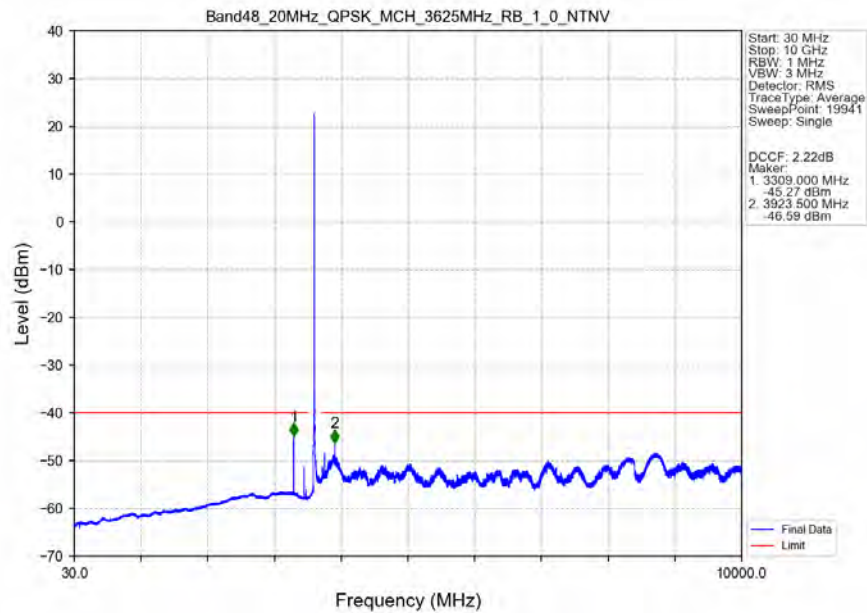


Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTV

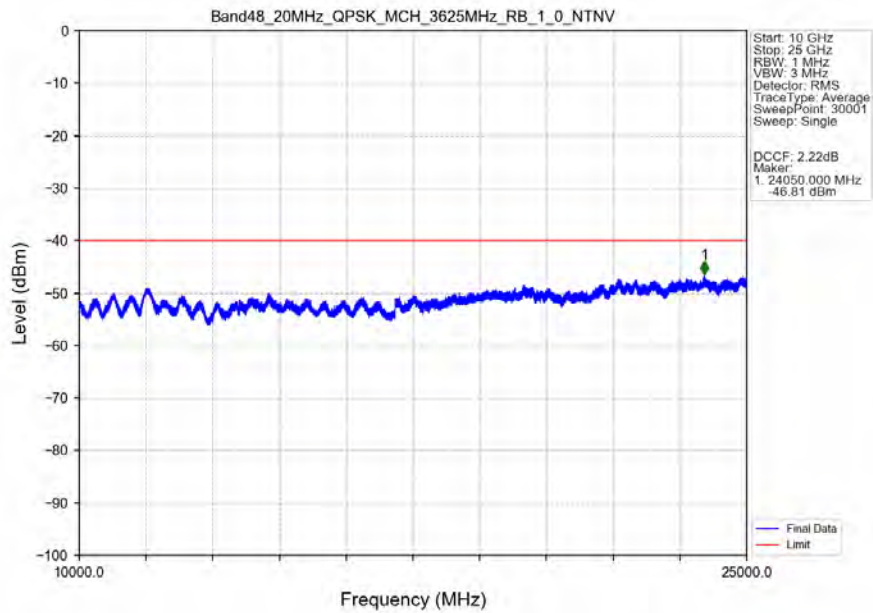


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.750	-42.54	-40	Pass
3530	3540	1	CHP	2	3540.000	-35.40	-25	Pass
3540	3549	1	CHP	3	3548.500	-28.76	-13	Pass
3549	3550	0.196	CHP	4	3549.950	-33.08	-13	Pass
3550	3570	0.196	CHP	/	/	/	/	/
3570	3571	0.196	CHP	5	3570.050	-32.98	-13	Pass
3571	3590	1	CHP	6	3571.500	-28.32	-13	Pass
3590	3720	1	CHP	7	3590.050	-41.90	-25	Pass
3720	3730	1	CHP	8	3720.150	-52.44	-40	Pass

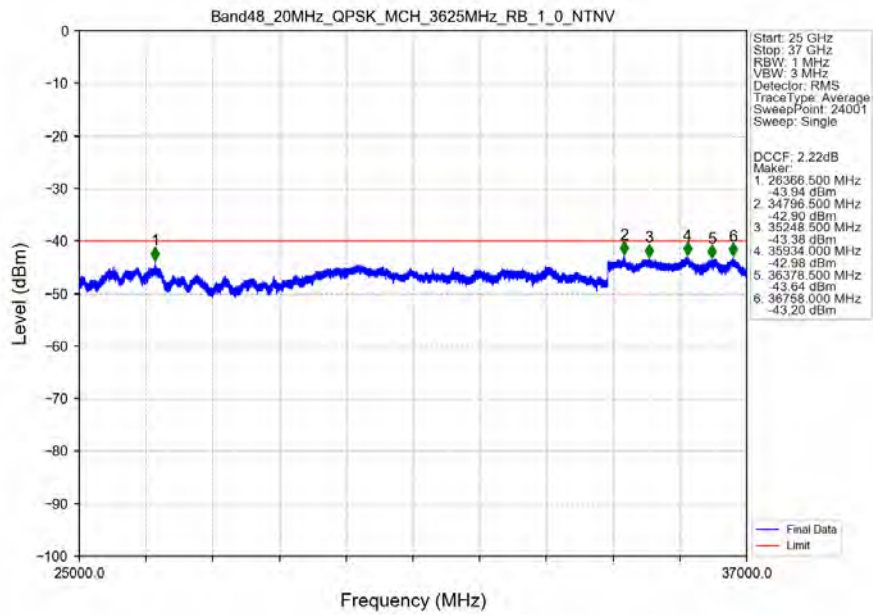
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



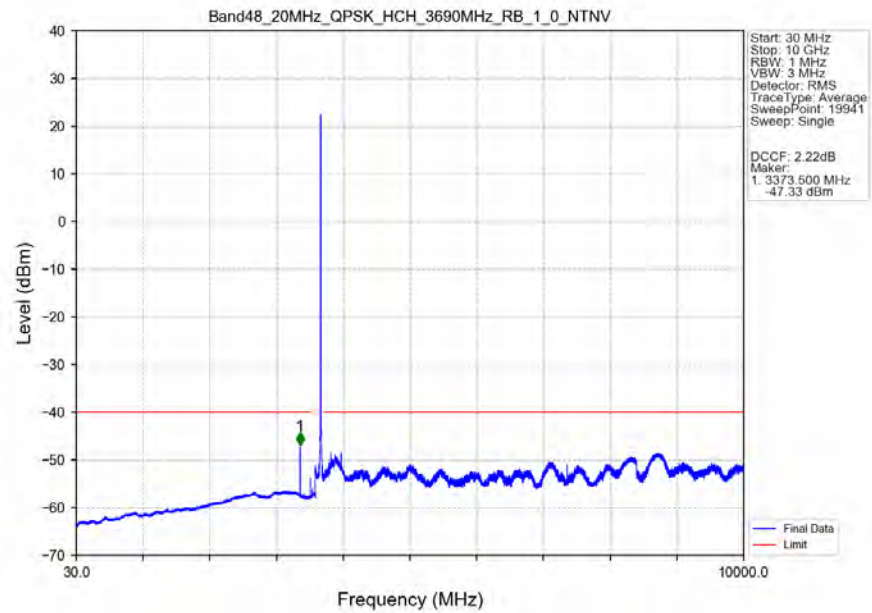
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



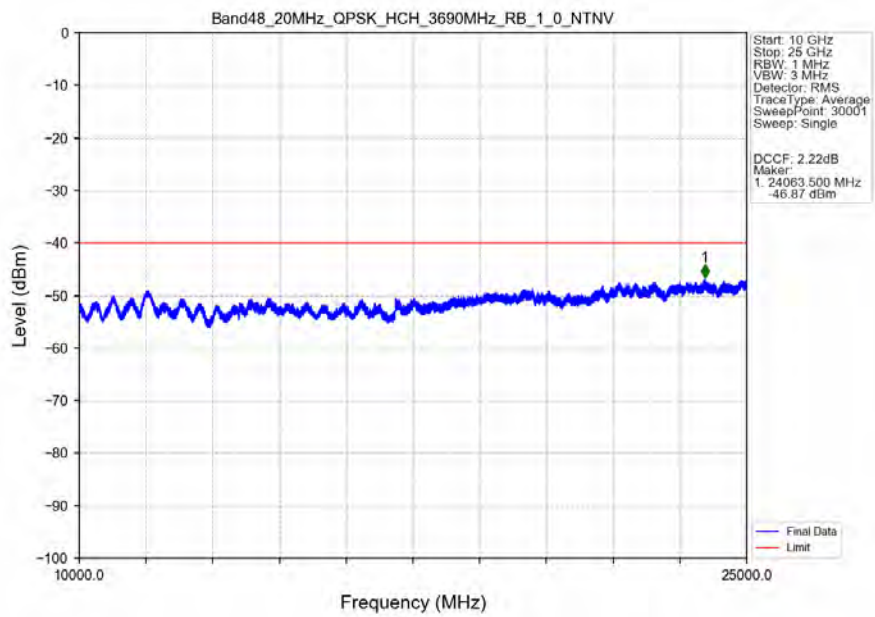
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



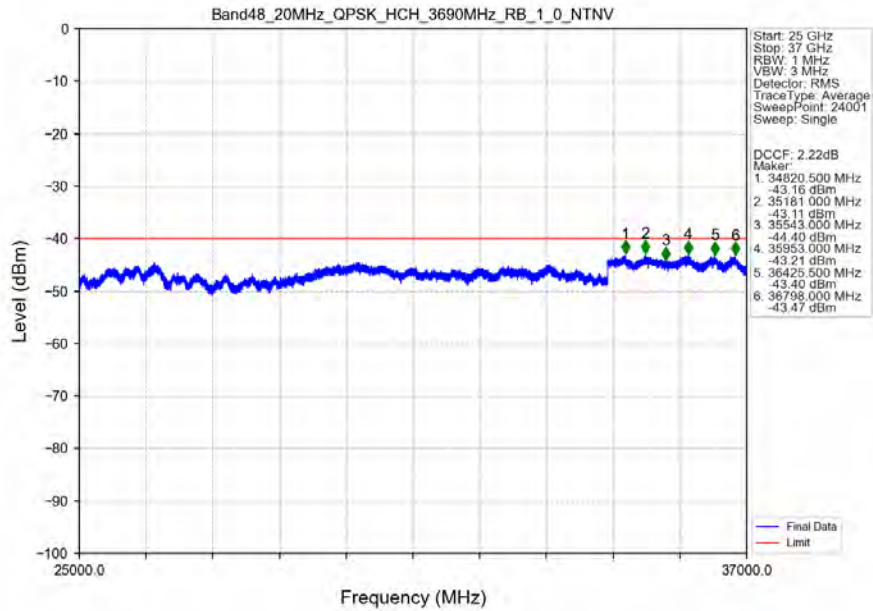
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



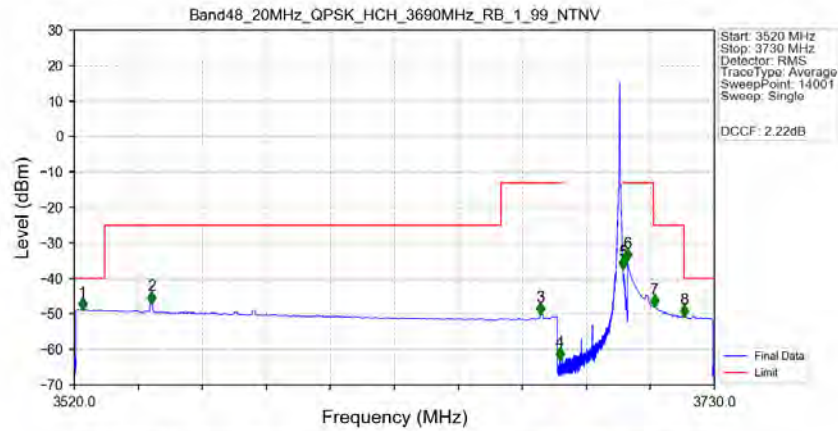
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTV

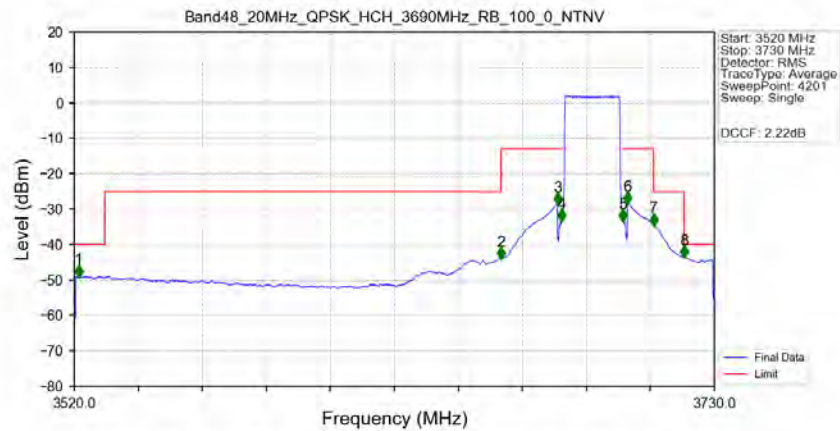


Band48 20MHz QPSK HCH 3690MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.745	-48.72	-40	Pass
3530	3660	1	CHP	2	3545.290	-46.92	-25	Pass
3660	3679	1	CHP	3	3672.910	-50.10	-13	Pass
3679	3680	0.03	/	4	3679.360	-62.83	-13	Pass
3680	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	5	3700.030	-37.16	-13	Pass
3701	3710	1	CHP	6	3701.500	-34.90	-13	Pass
3710	3720	1	CHP	7	3710.395	-47.91	-25	Pass
3720	3730	1	CHP	8	3720.010	-50.69	-40	Pass

Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.400	-49.04	-40	Pass
3530	3660	1	CHP	2	3660.000	-44.03	-25	Pass
3660	3679	1	CHP	3	3678.500	-28.65	-13	Pass
3679	3680	0.196	CHP	4	3679.950	-33.34	-13	Pass
3680	3700	0.196	CHP	/	/	/	/	/
3700	3701	0.196	CHP	5	3700.050	-33.28	-13	Pass
3701	3710	1	CHP	6	3701.500	-28.45	-13	Pass
3710	3720	1	CHP	7	3710.050	-34.50	-25	Pass
3720	3730	1	CHP	8	3720.050	-43.56	-40	Pass

6. Adjacent Channel Leakage Ratio

6.1 Test Result

6.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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
16QAM	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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
64QAM	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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
256QAM	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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

6.1.2 B48_10MHz

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

	3695	50	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
16QAM	3555	50	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	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
64QAM	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	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
256QAM	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	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
	3695	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B48_15MHz

Band: 48 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio	
		Size	Offset	Result	Limit
QPSK	3557.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	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
16QAM	3557.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	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
64QAM	3557.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass

	3625	75	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
	3692.5	75	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
256QAM	3557.5	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	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

6.1.4 B48_20MHz

Band: 48 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio	
		Size	Offset	Result	Limit
QPSK	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	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
16QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	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
64QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	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
256QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3625	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	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

6.2 Test Graph

6.2.1 B48_5MHz

