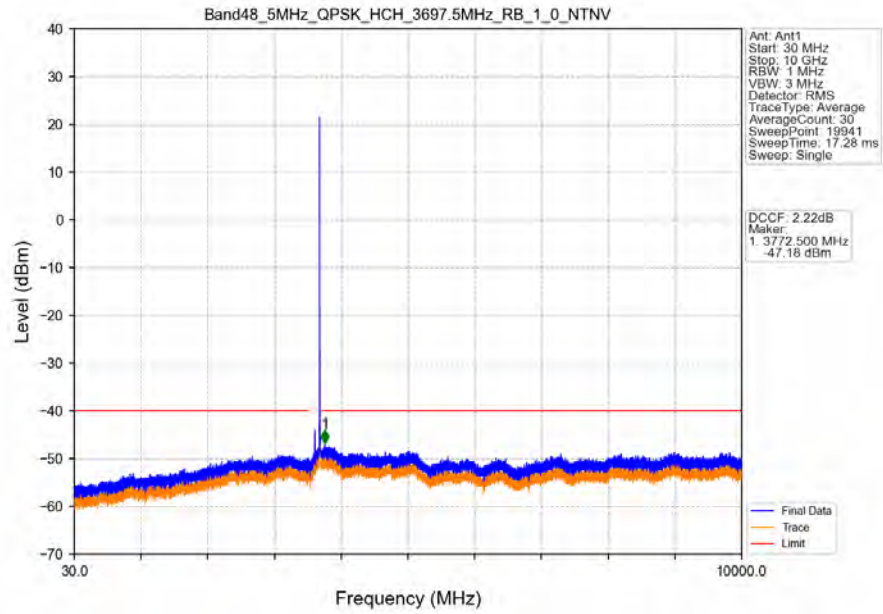
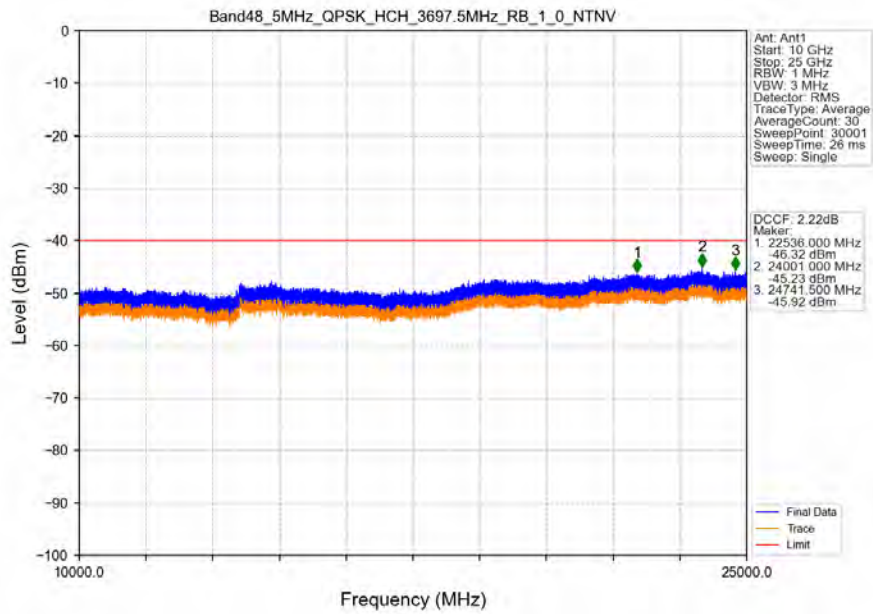


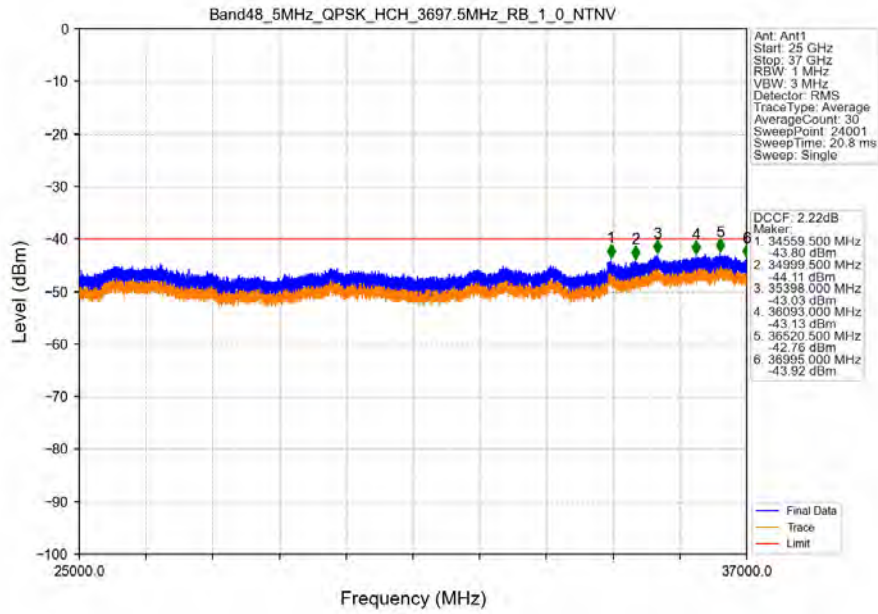
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



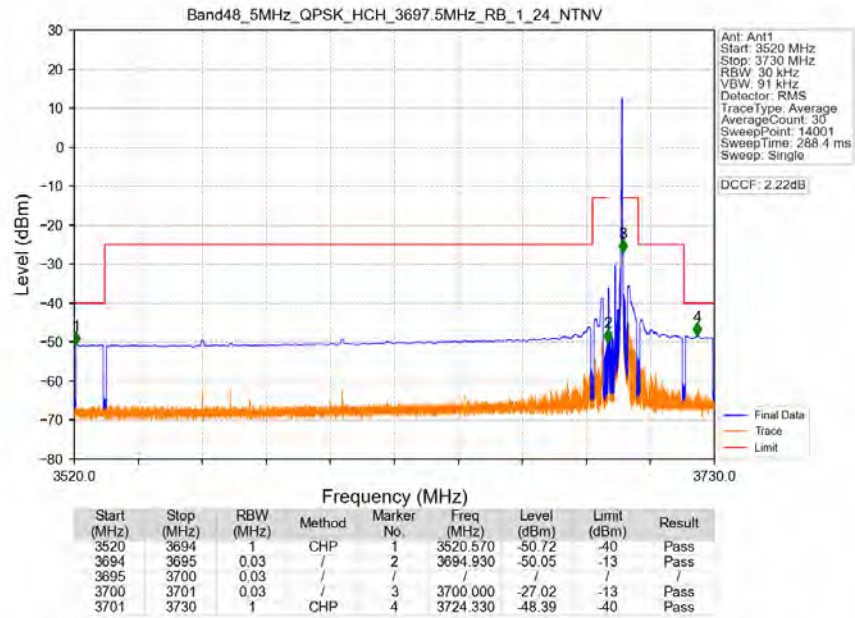
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTNV



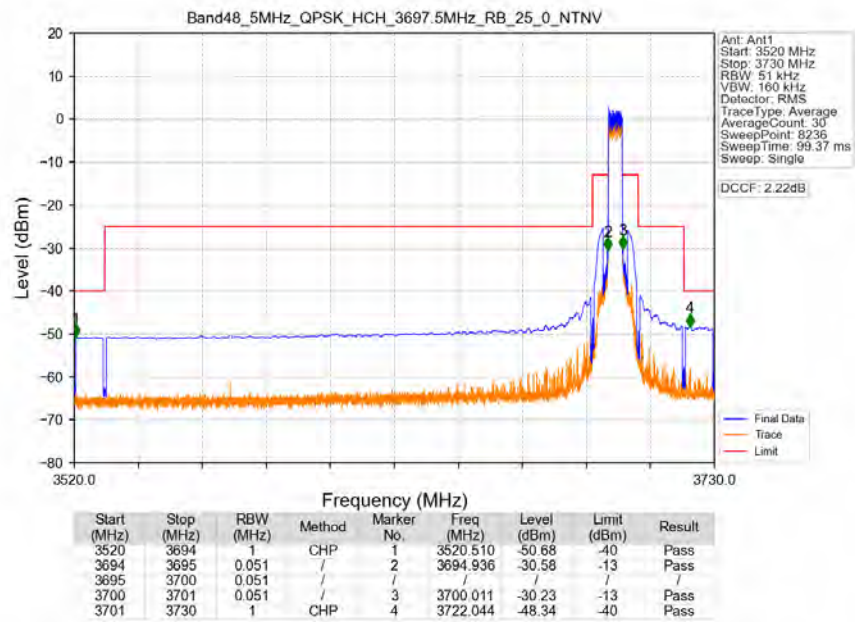
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTN



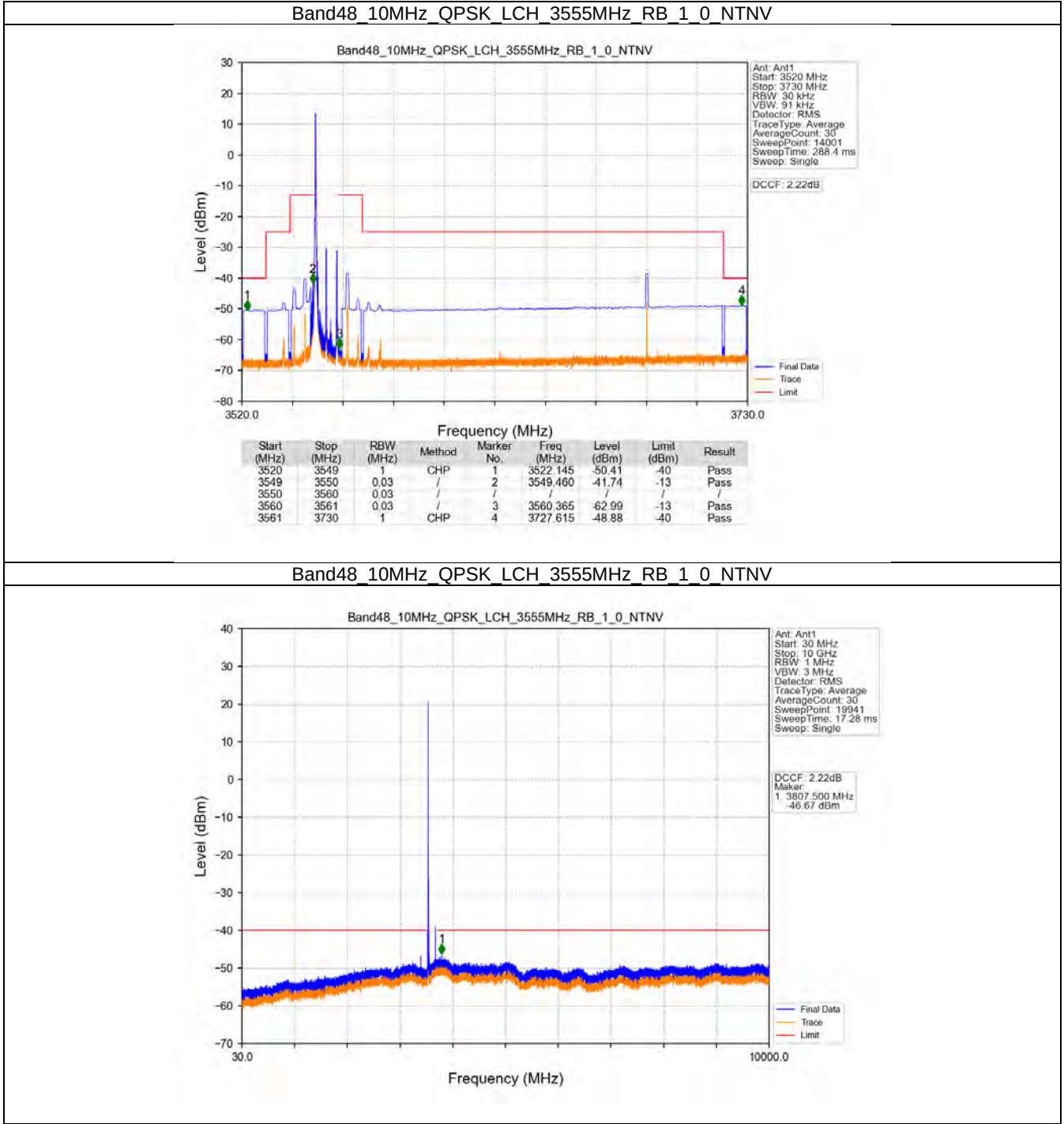
Band48 5MHz QPSK HCH 3697.5MHz RB 1 24 NTN



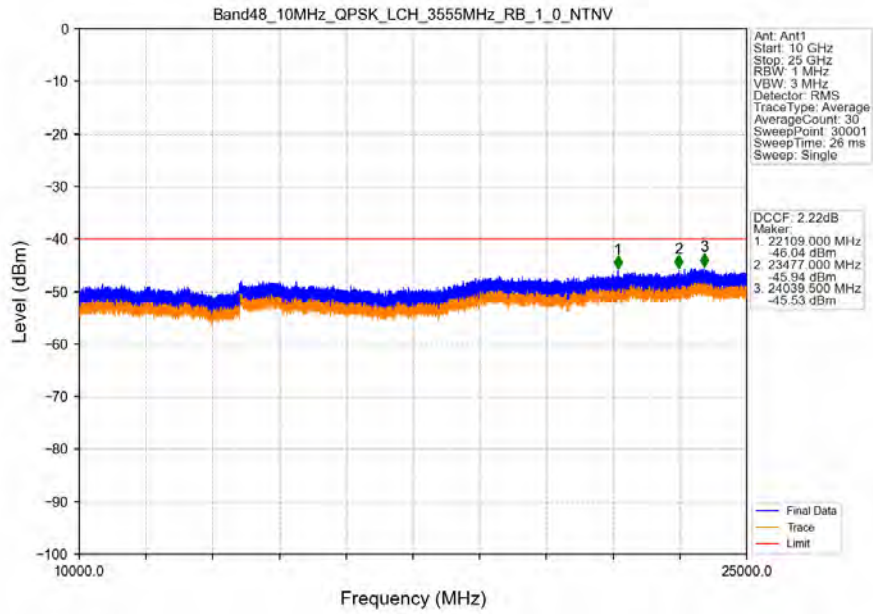
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTV



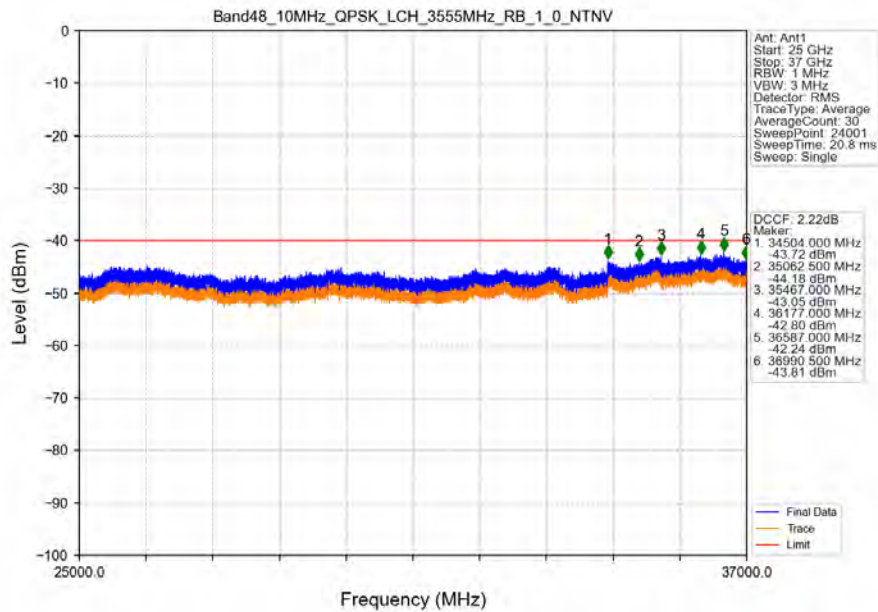
5.2.2 B48_10MHz



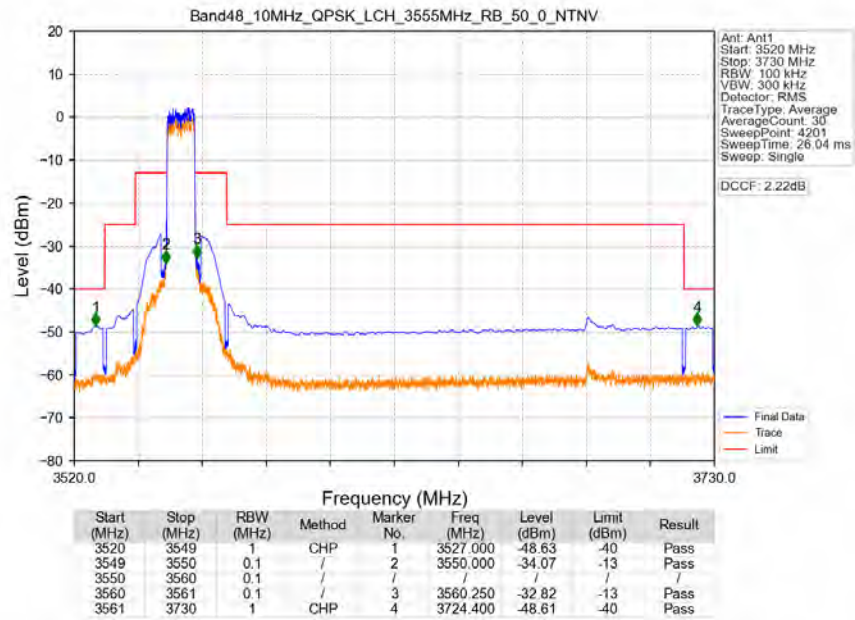
Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTN



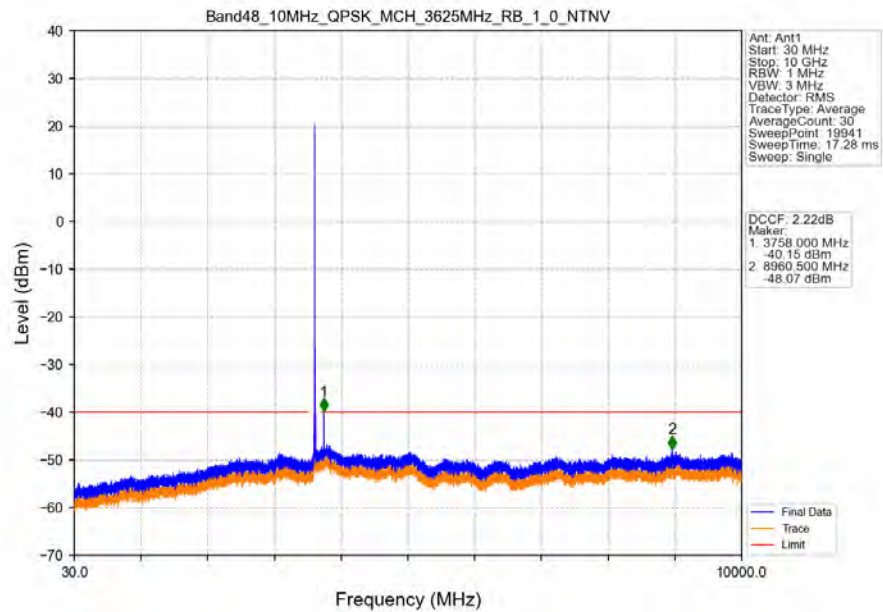
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0 NTN



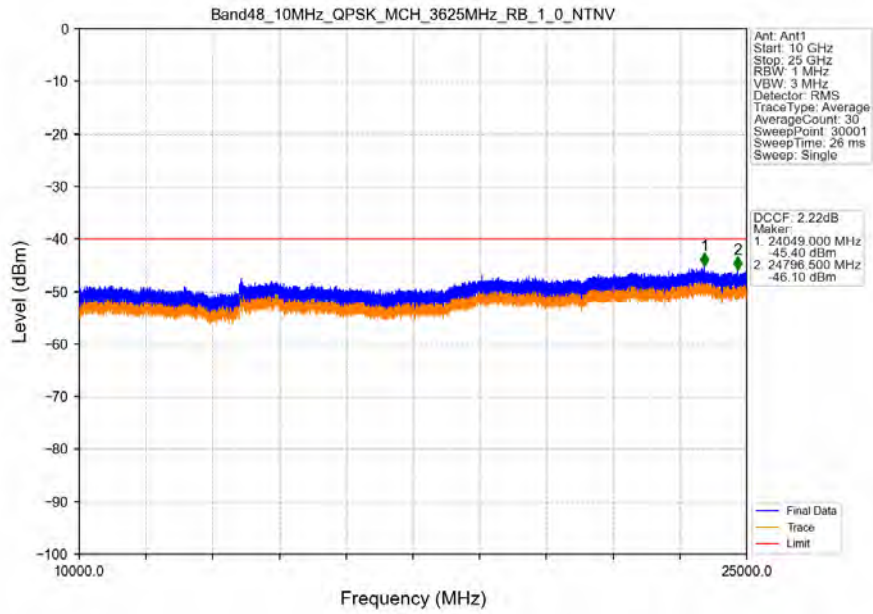
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



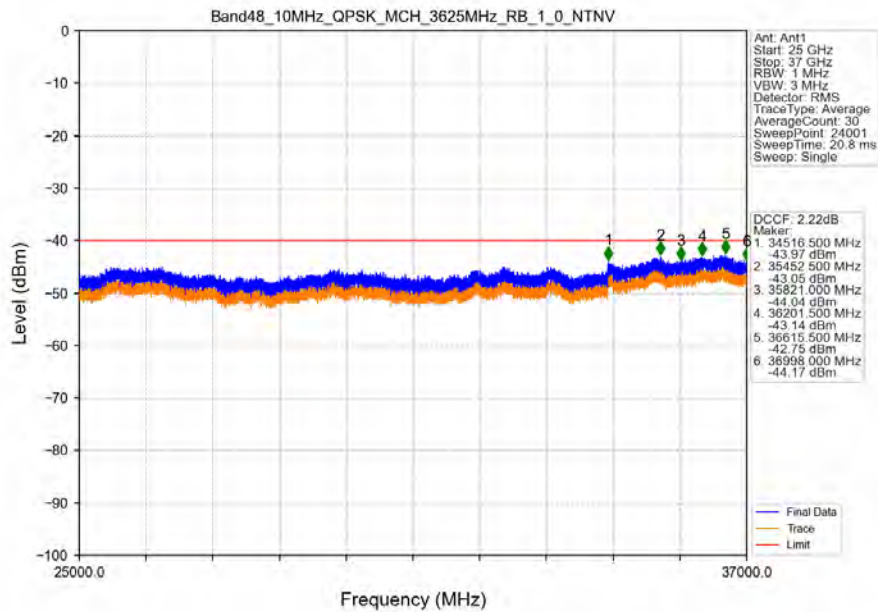
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



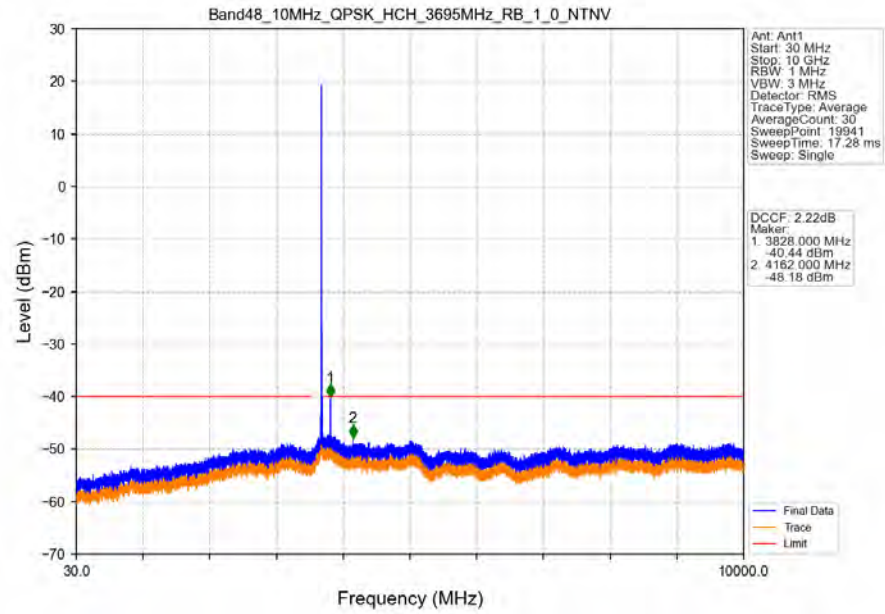
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



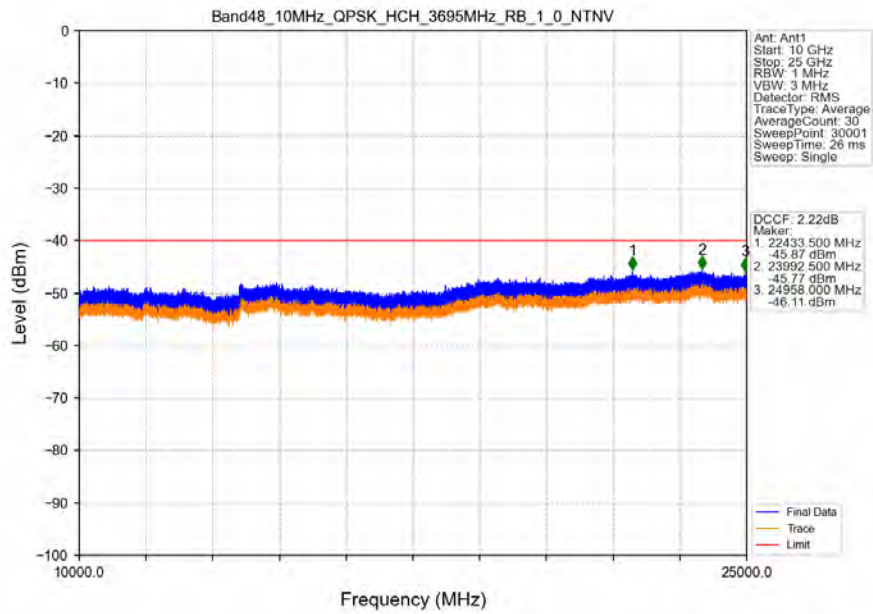
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



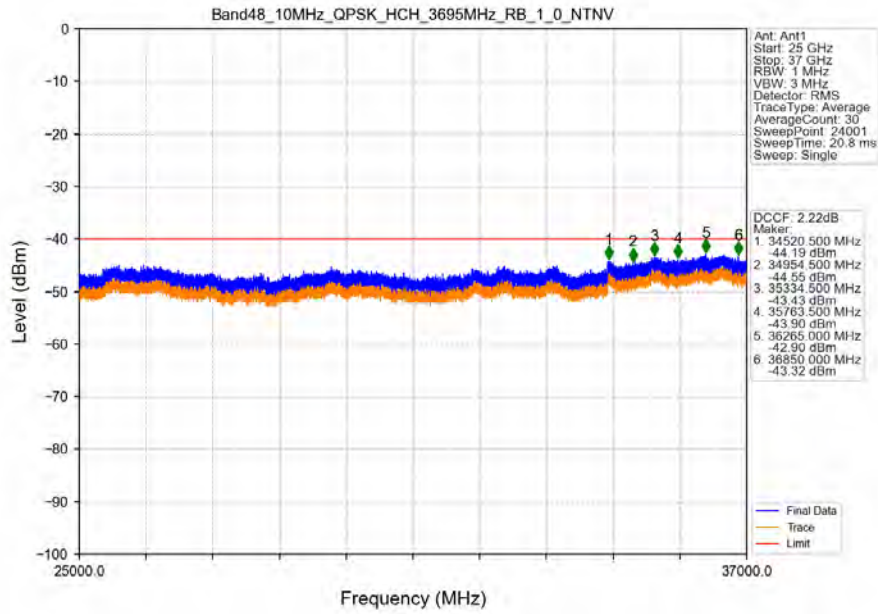
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



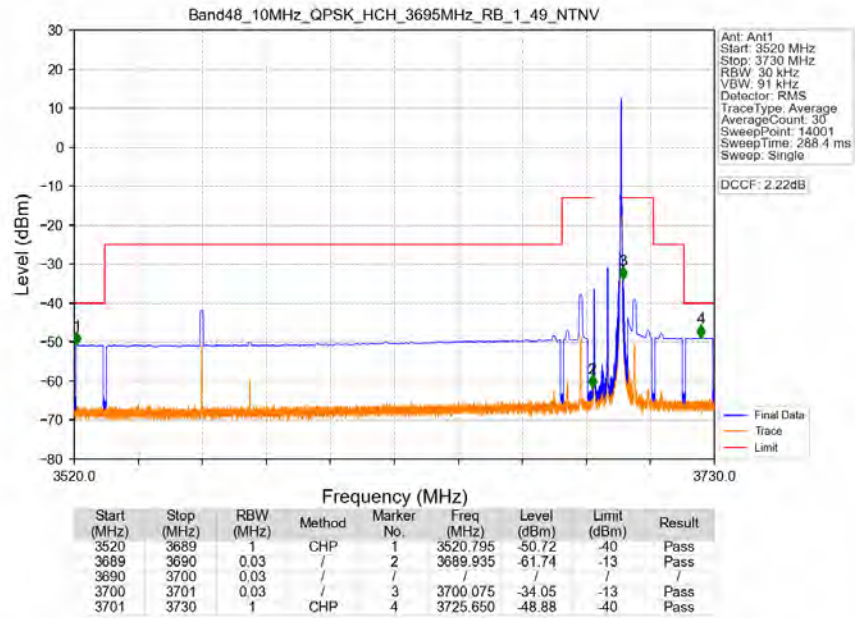
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



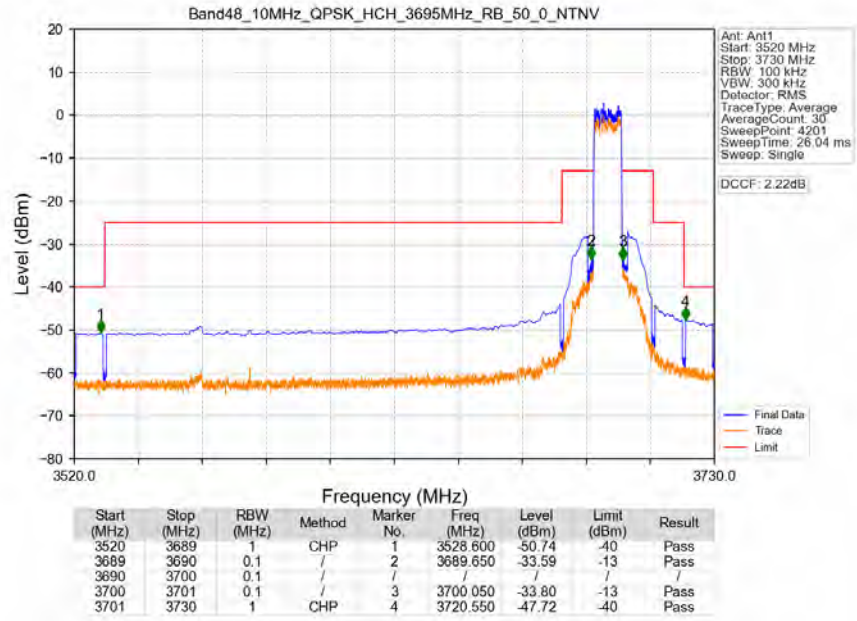
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



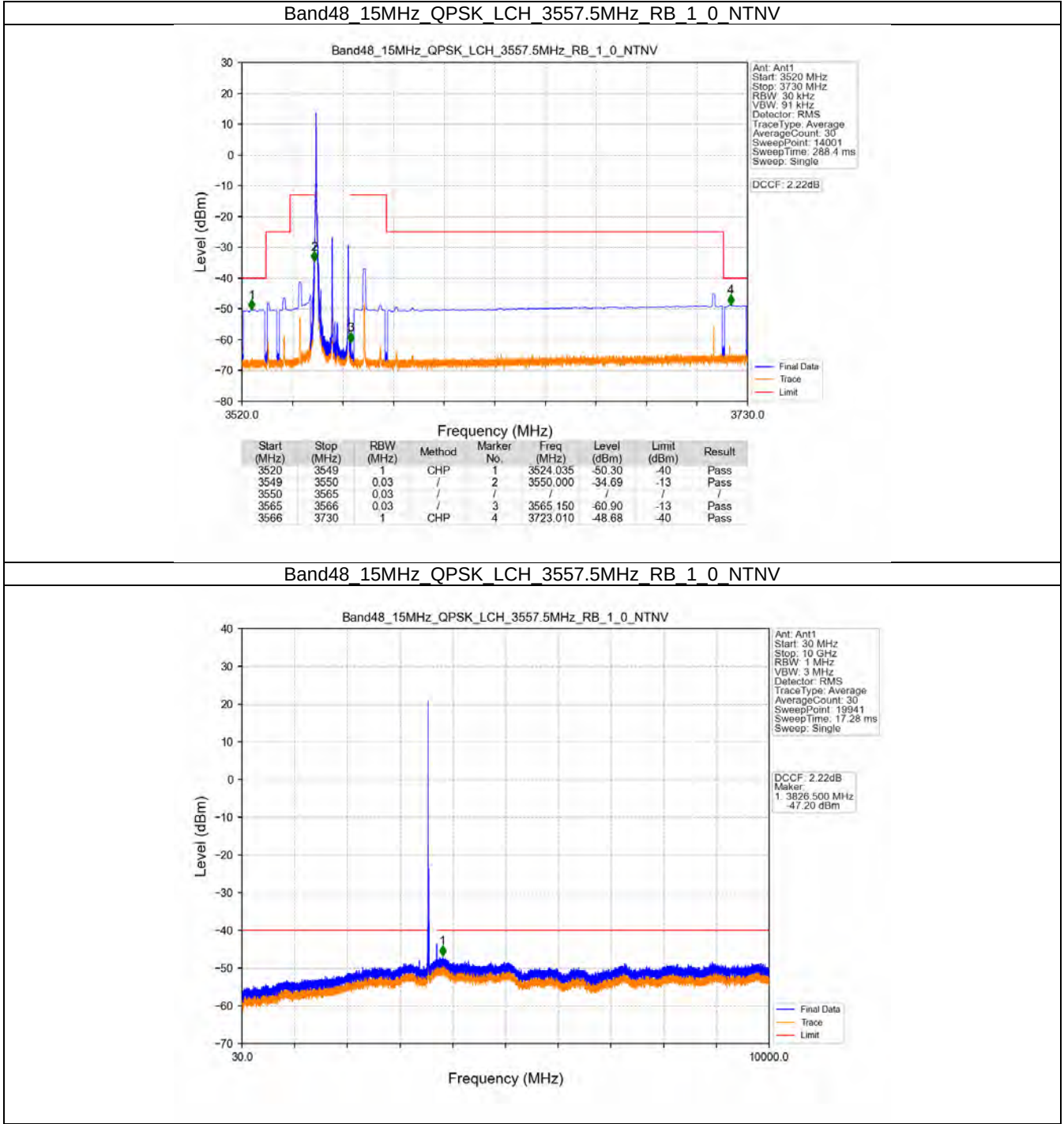
Band48_10MHz_QPSK_HCH_3695MHz_RB_1_49_NTNV



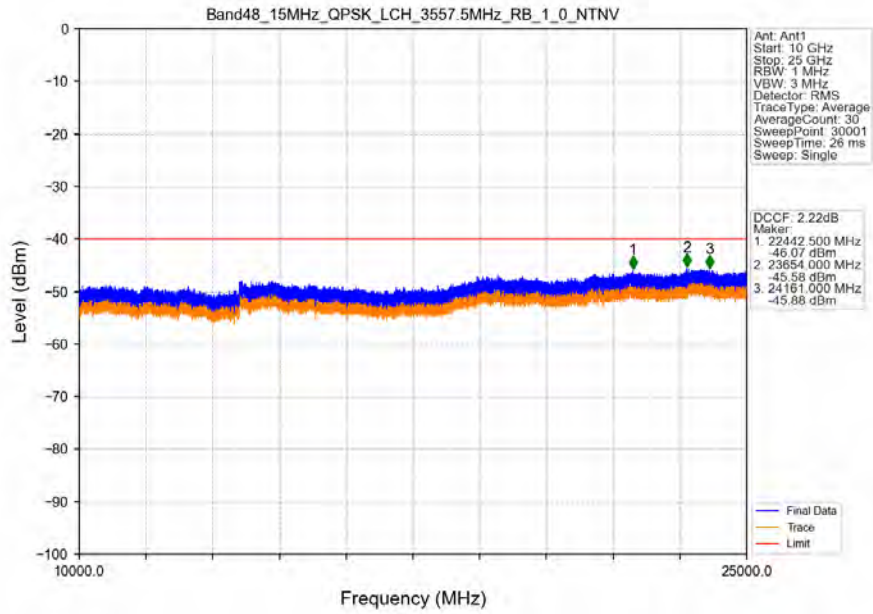
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV



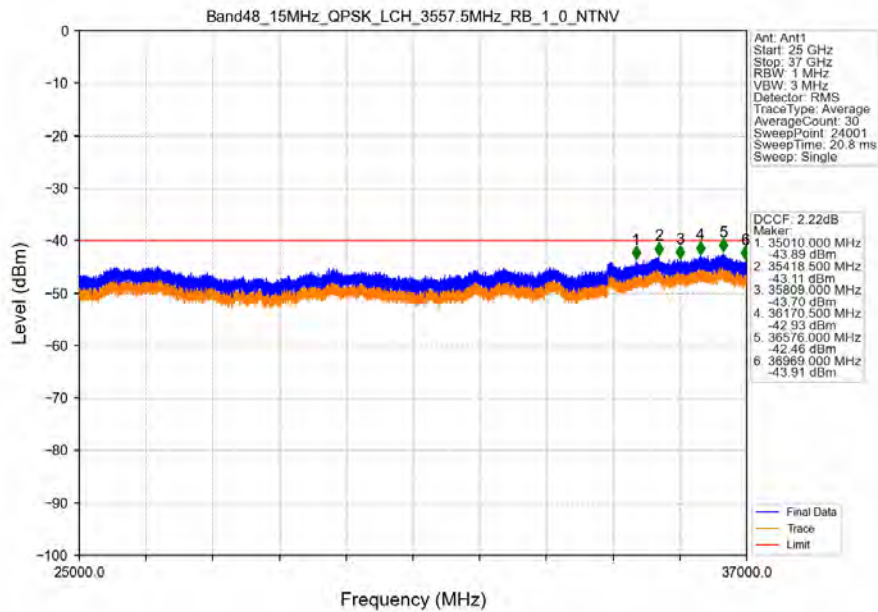
5.2.3 B48_15MHz



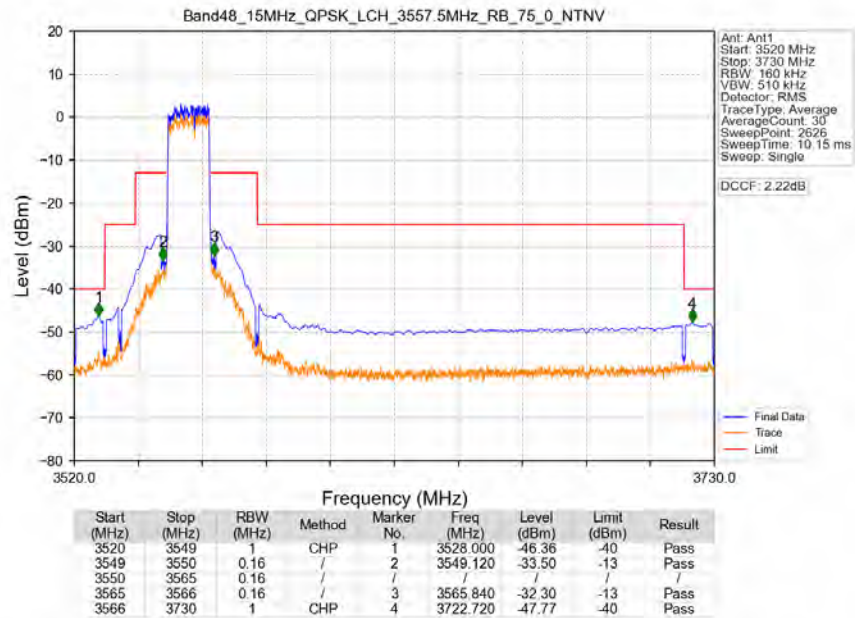
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



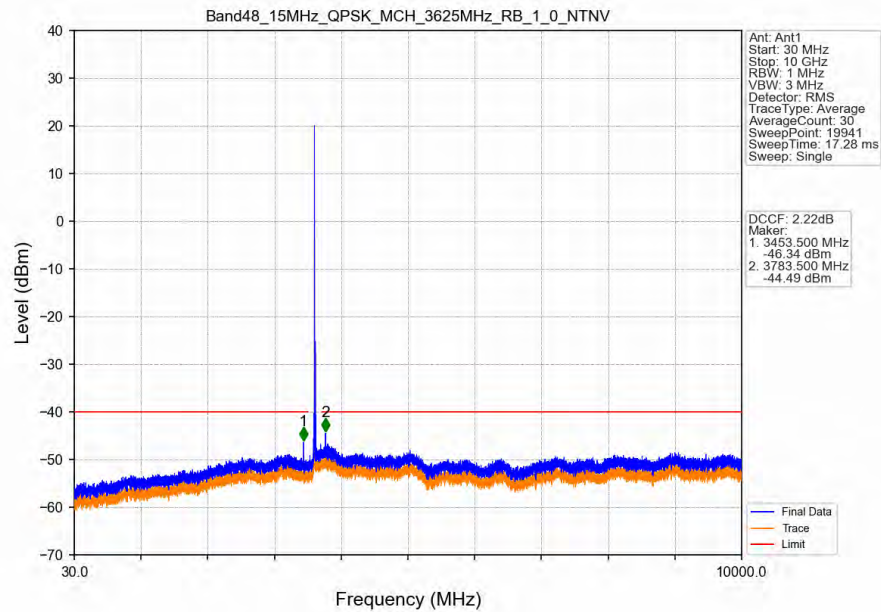
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_1_0_NTNV



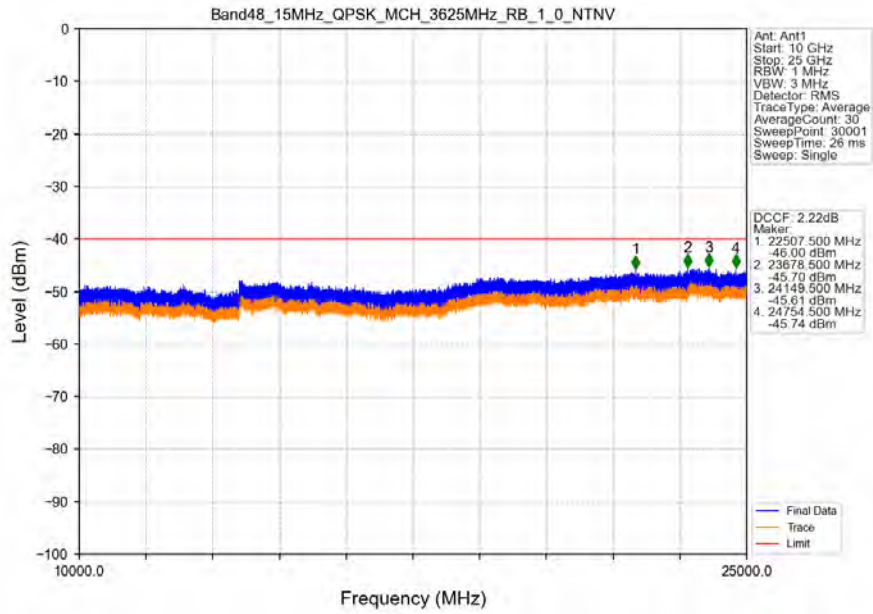
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



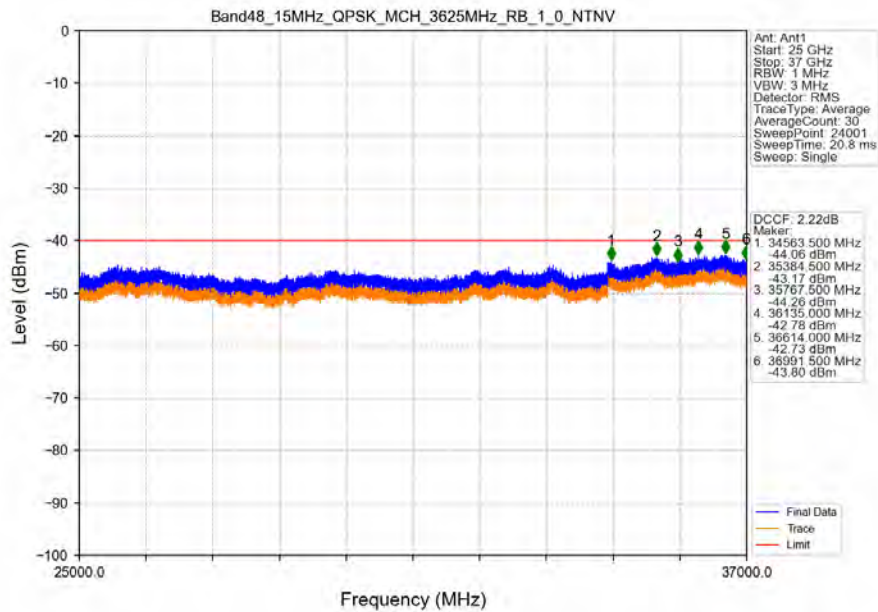
Band48 15MHz QPSK MCH 3625MHz RB 1 0 NTNV



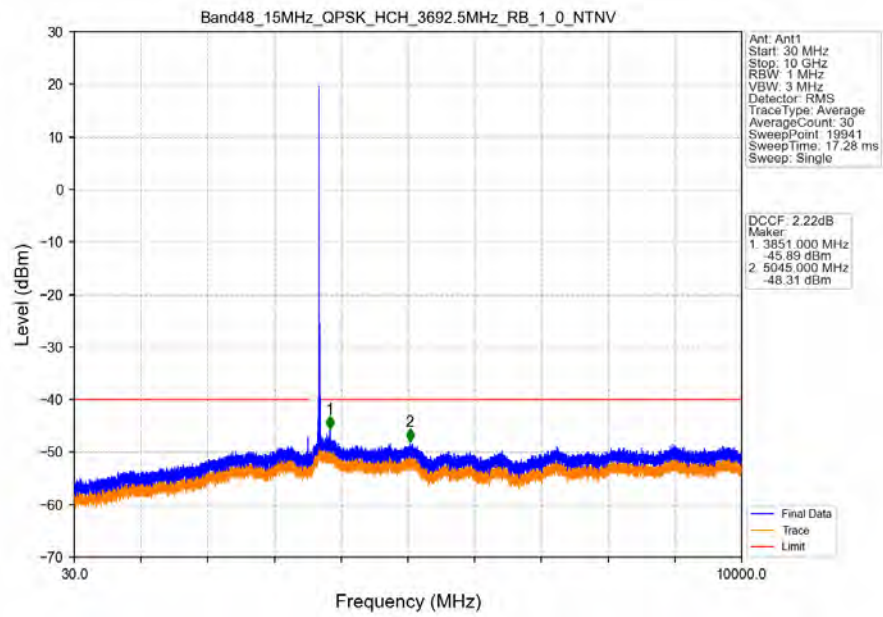
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



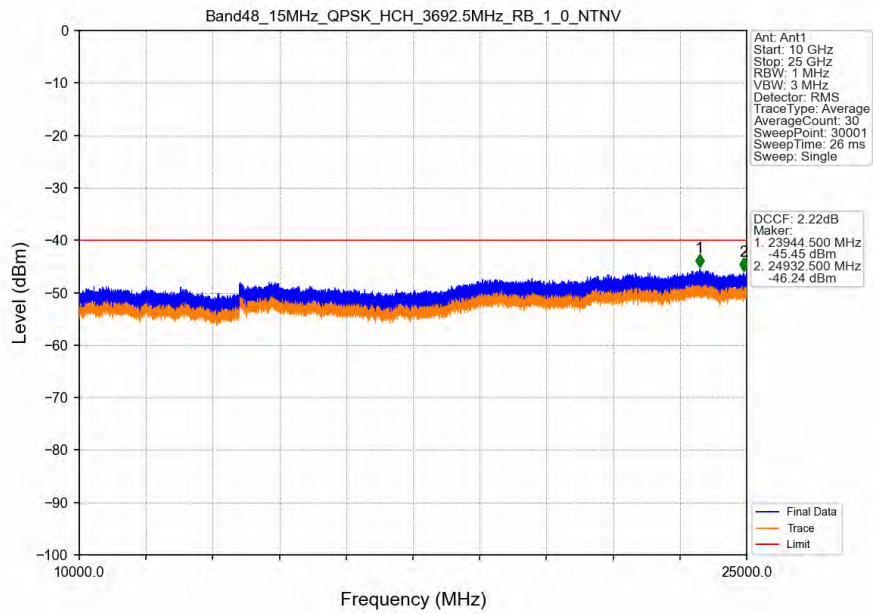
Band48_15MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



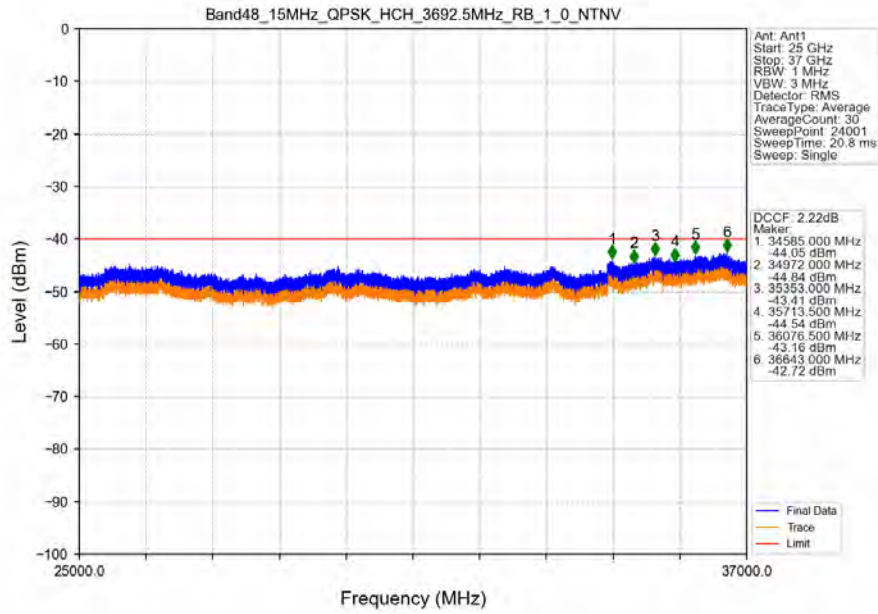
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



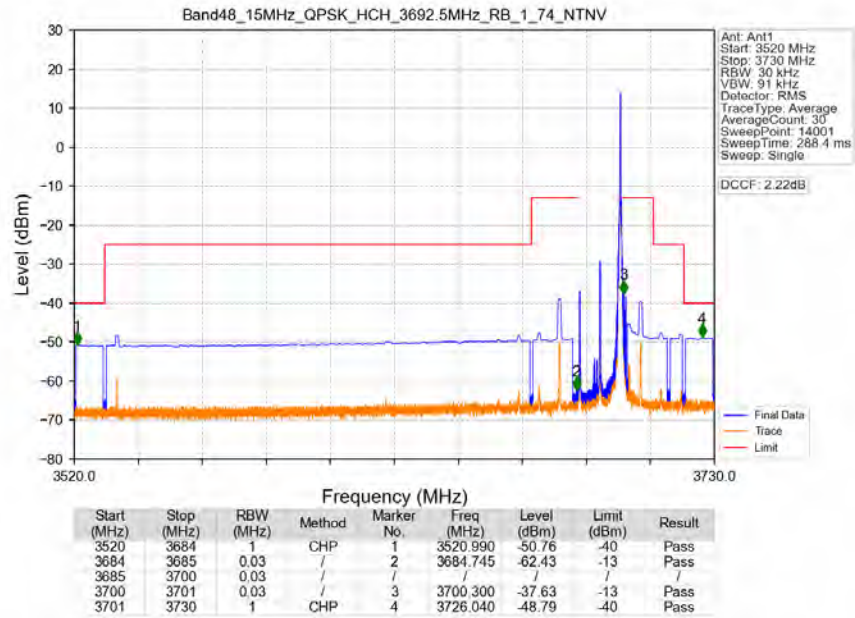
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_1_0_NTNV



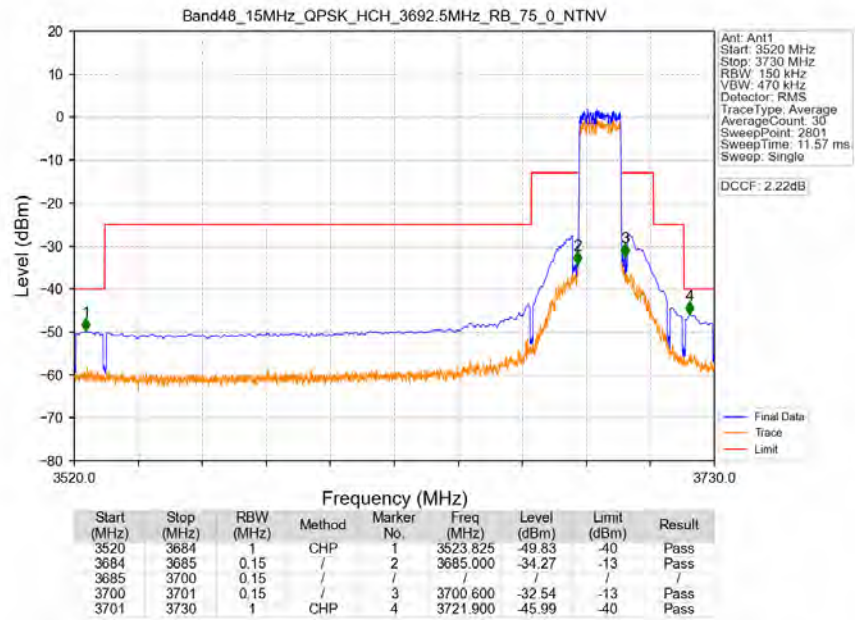
Band48 15MHz QPSK HCH 3692.5MHz RB 1 0 NTNV



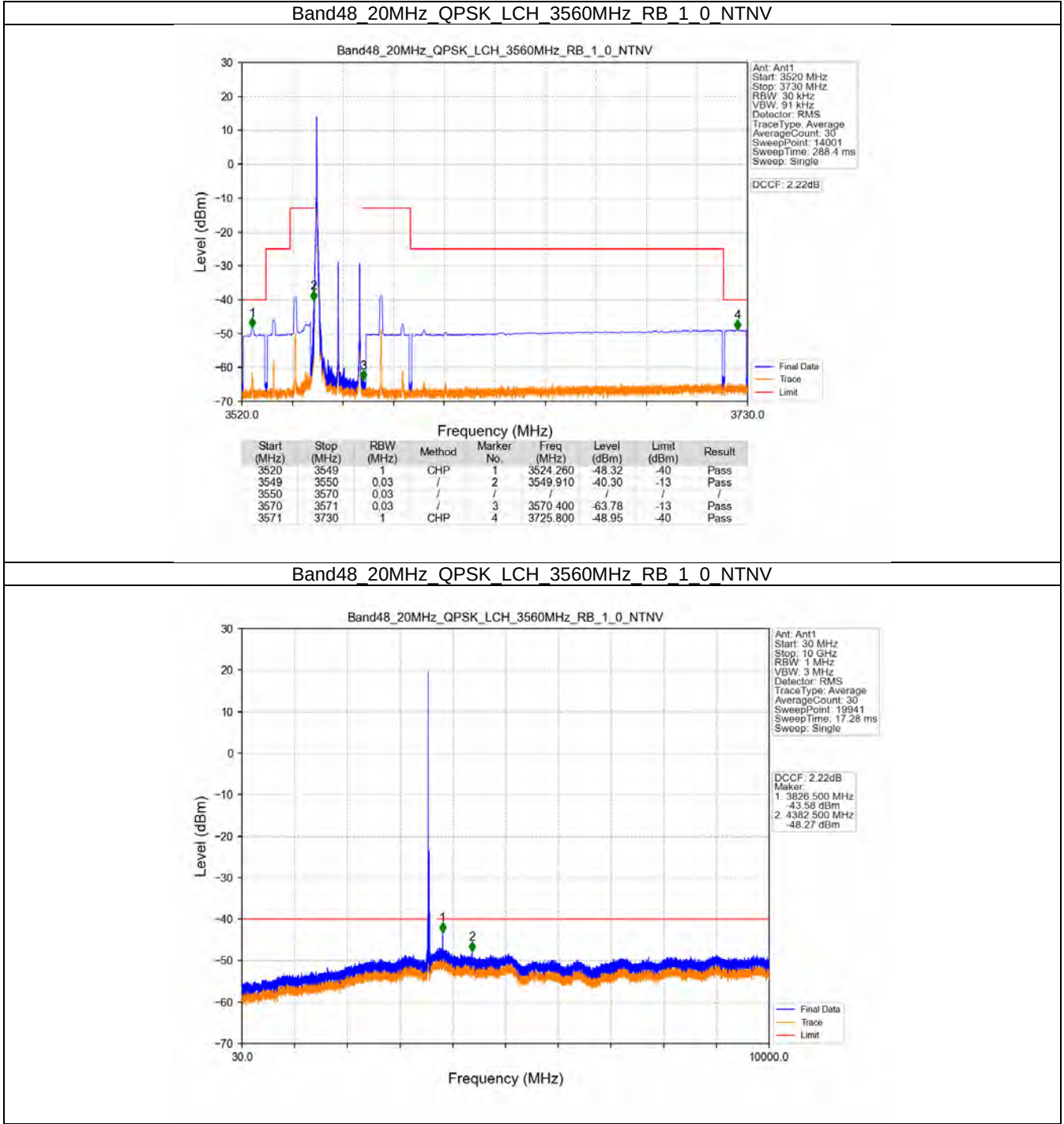
Band48 15MHz QPSK HCH 3692.5MHz RB 1 74 NTNV



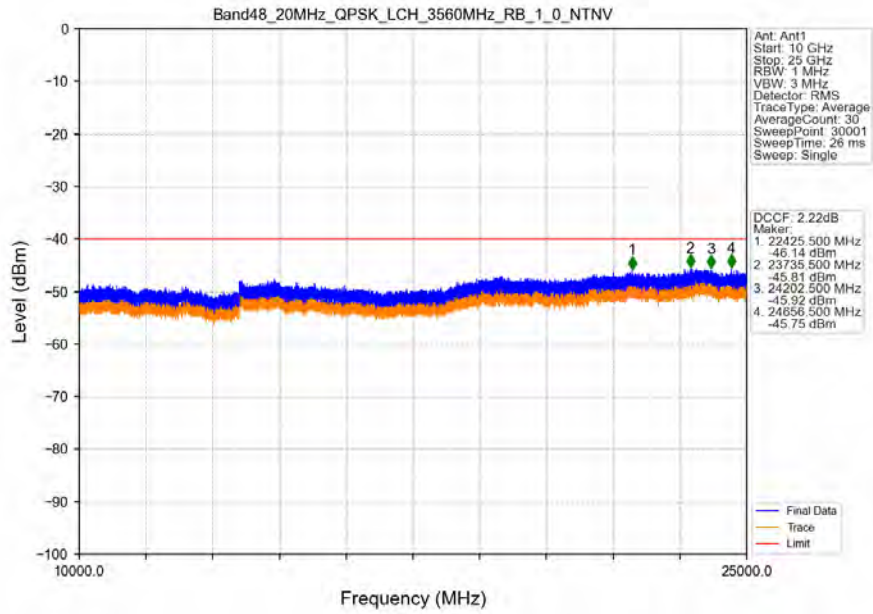
Band48 15MHz QPSK HCH 3692.5MHz RB 75_0 NTN



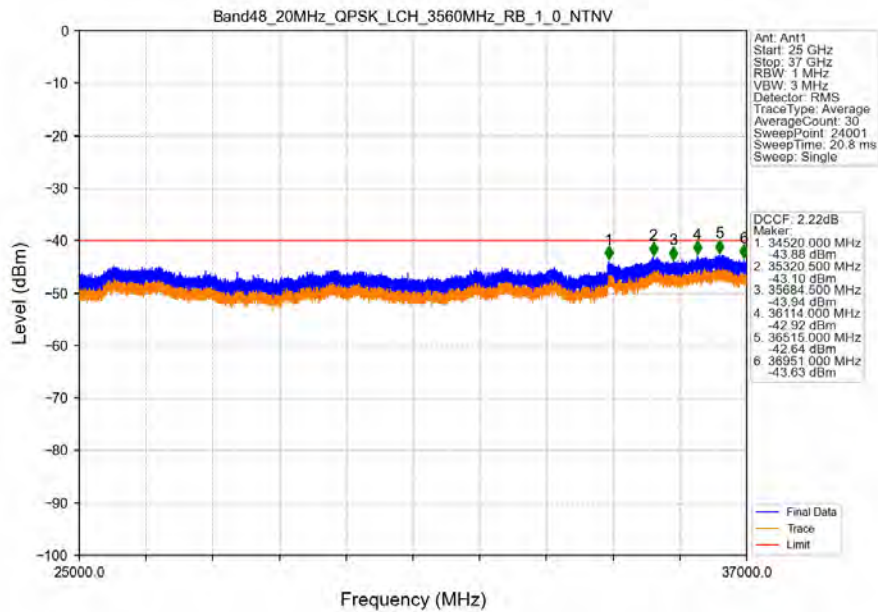
5.2.4 B48_20MHz



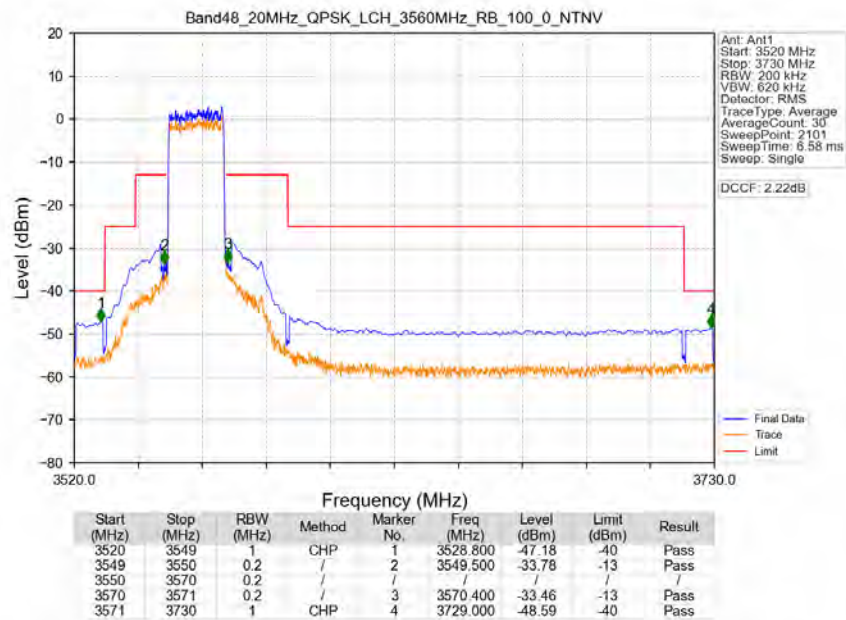
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



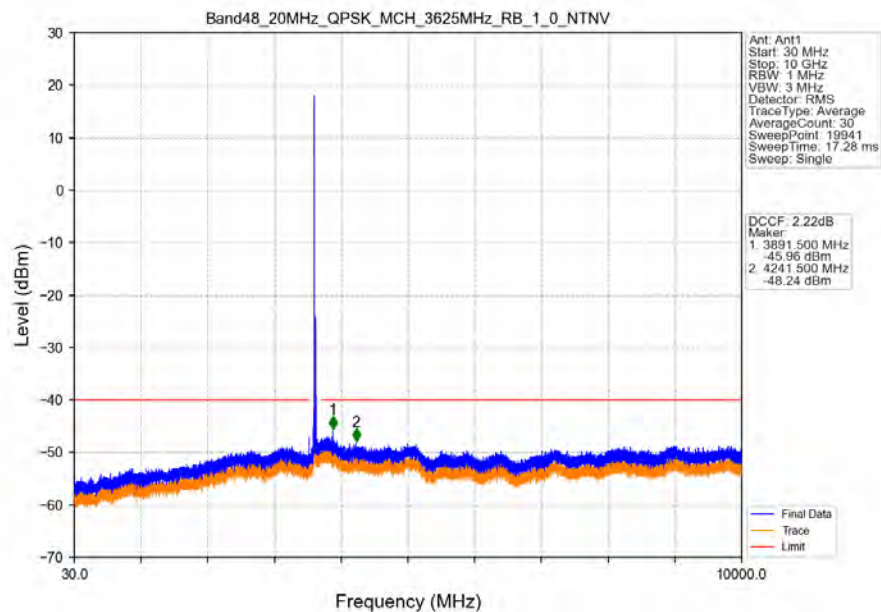
Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTN



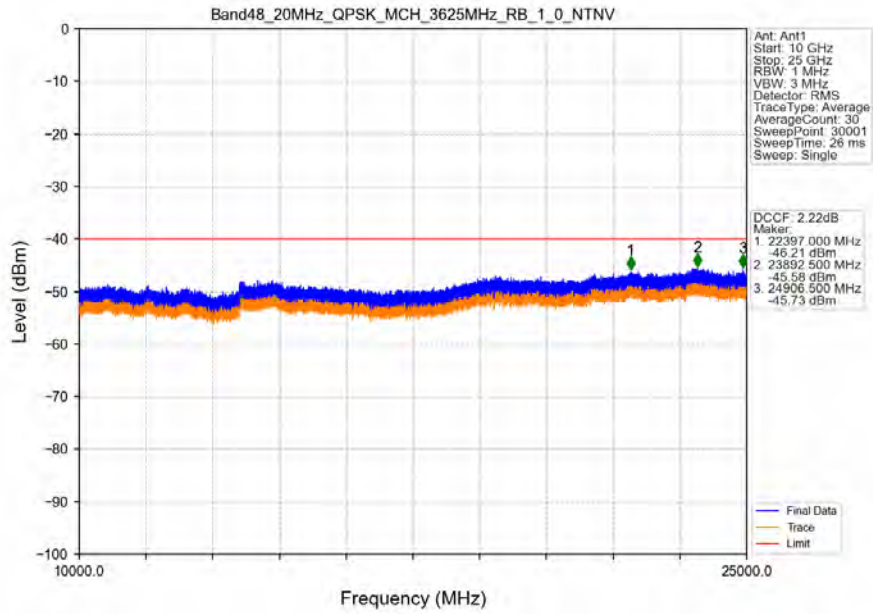
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTV



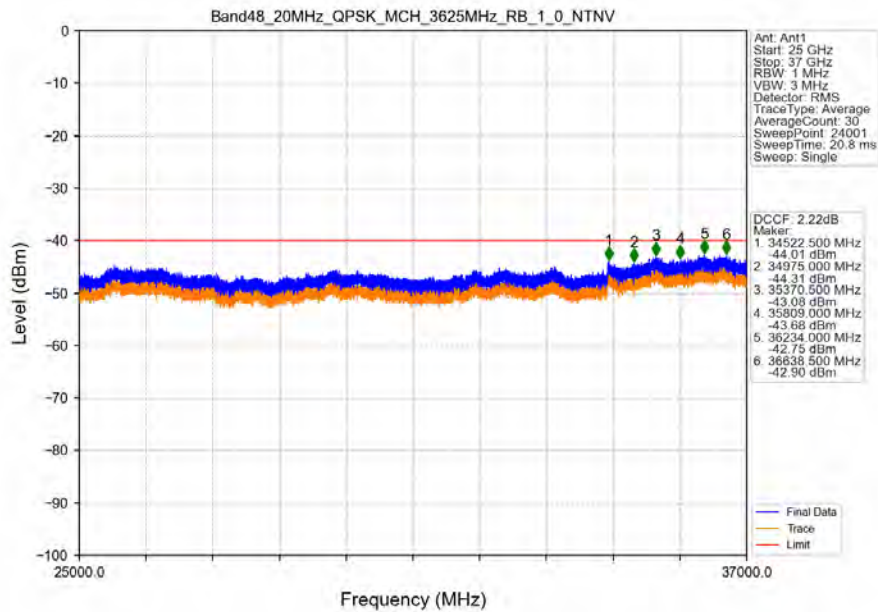
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTV



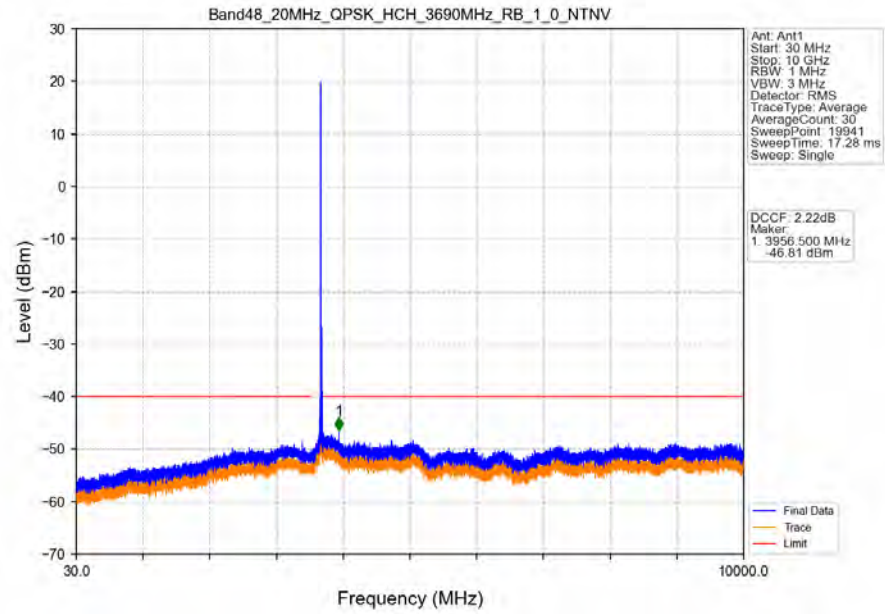
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



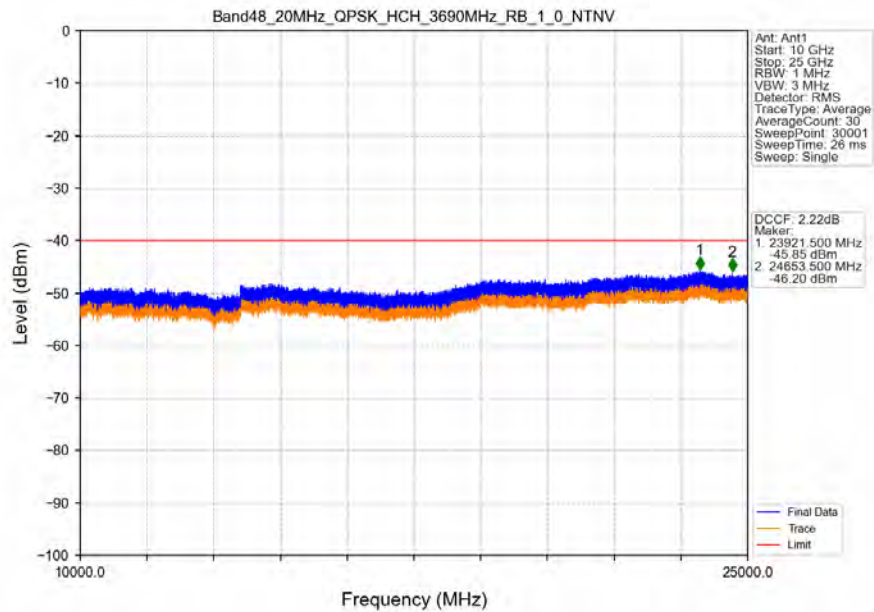
Band48_20MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



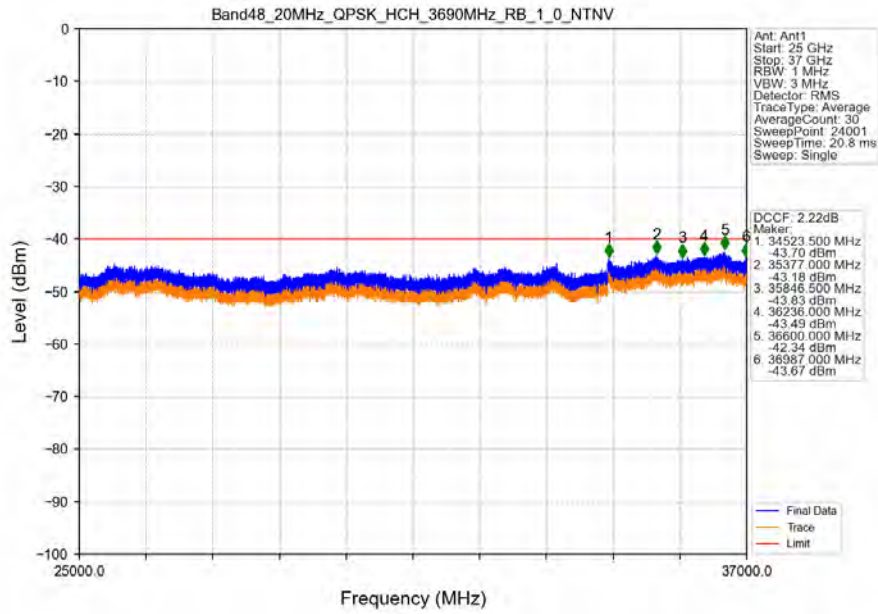
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



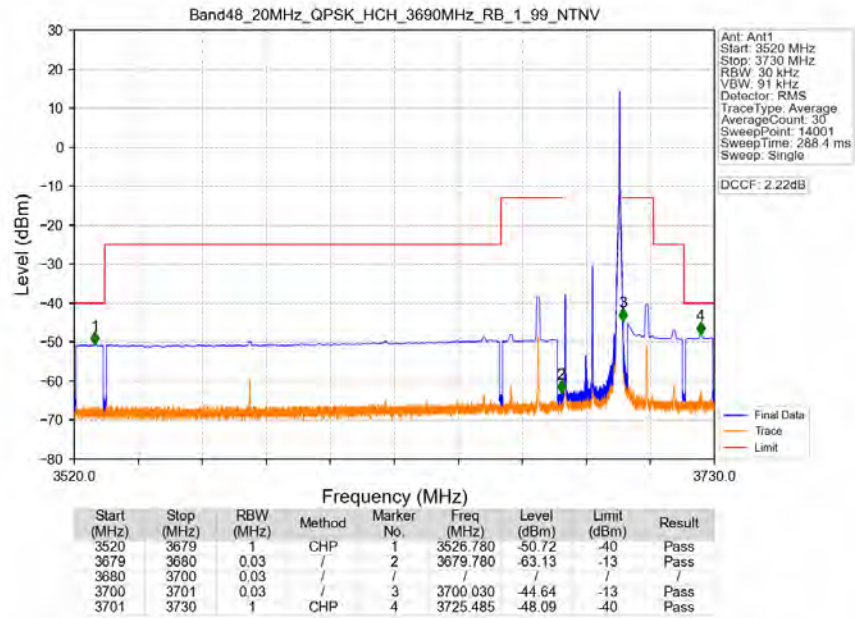
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTNV



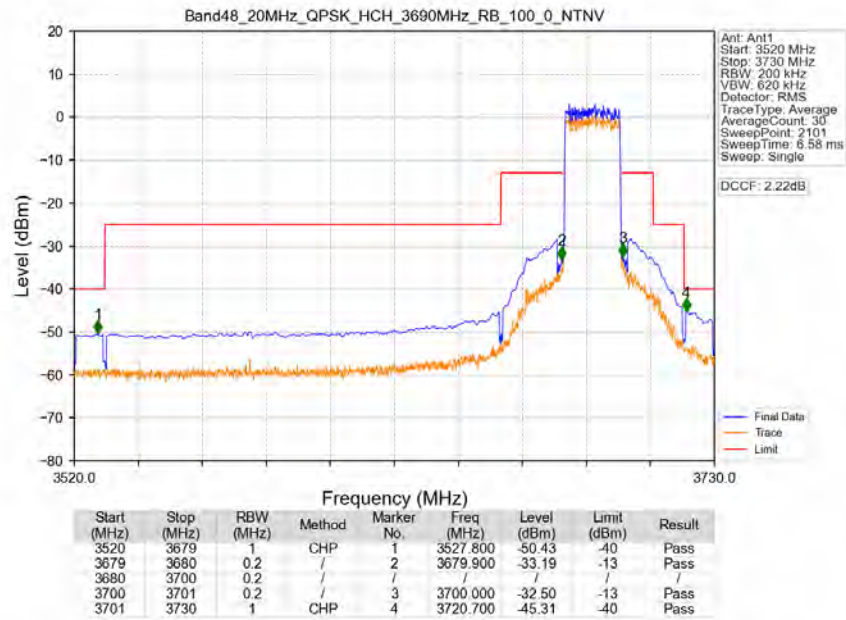
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTV



Band48_20MHz_QPSK_HCH_3690MHz_RB_1_99_NTV



Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTV



6. Adjacent Channel Leakage Ratio

6.1 Test Result

6.1.1 B48_5MHz

Band: 48 / Bandwidth: 5MHz / NTNV						
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

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
		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
16QAM	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

6.1.3 B48_15MHz

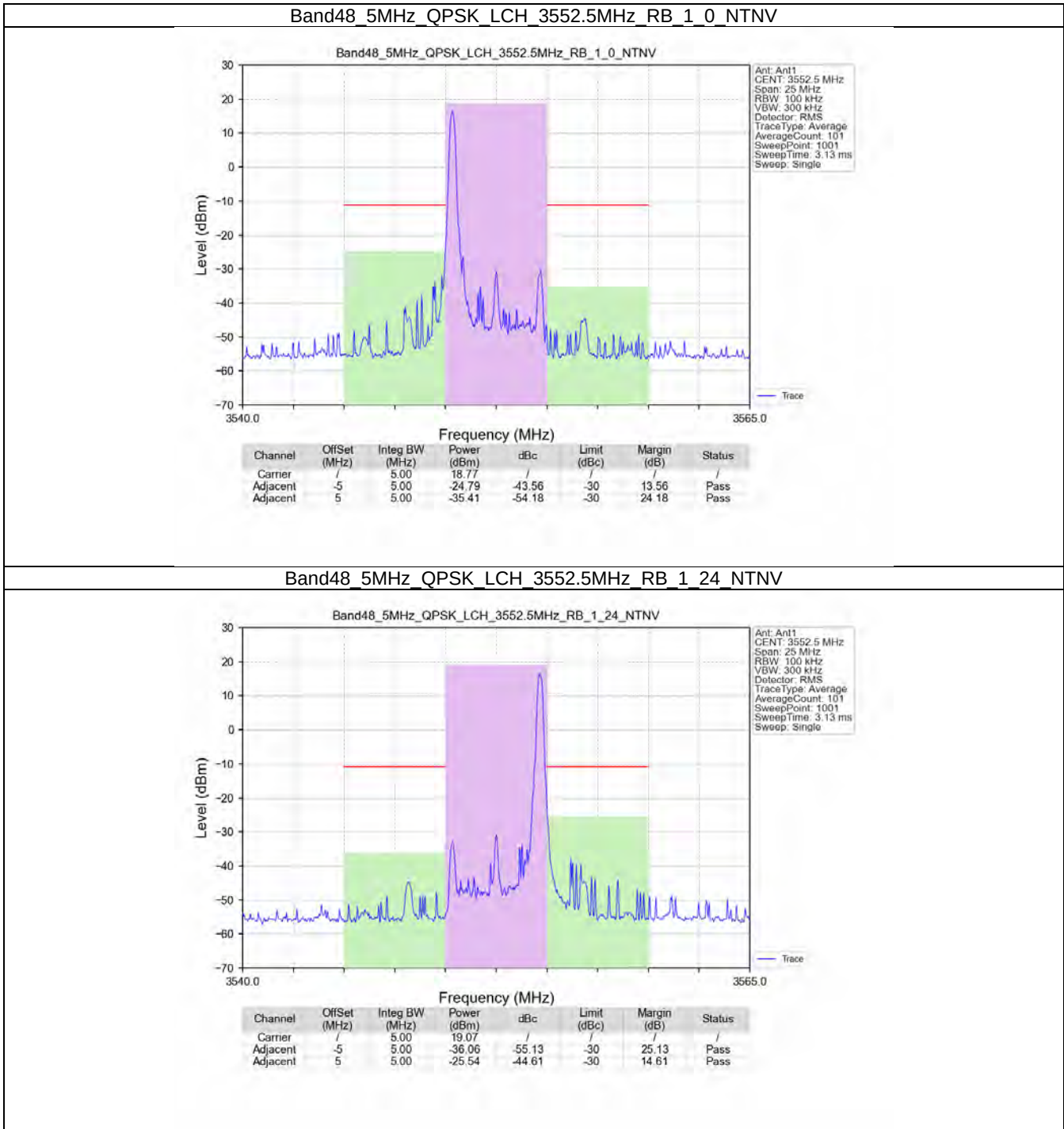
Band: 48 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			74	Refer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

6.1.4 B48_20MHz

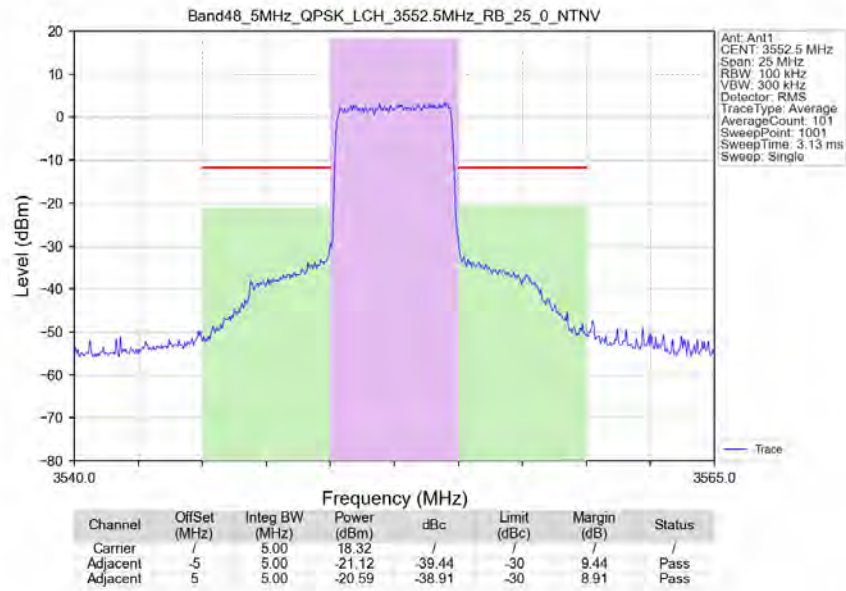
Band: 48 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
			99	Refer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

6.2 Test Graph

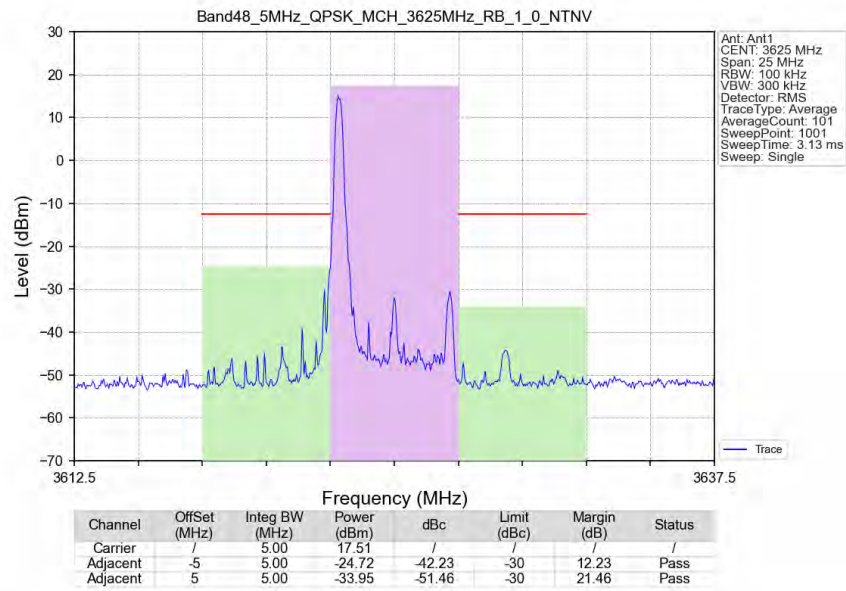
6.2.1 B48_5MHz



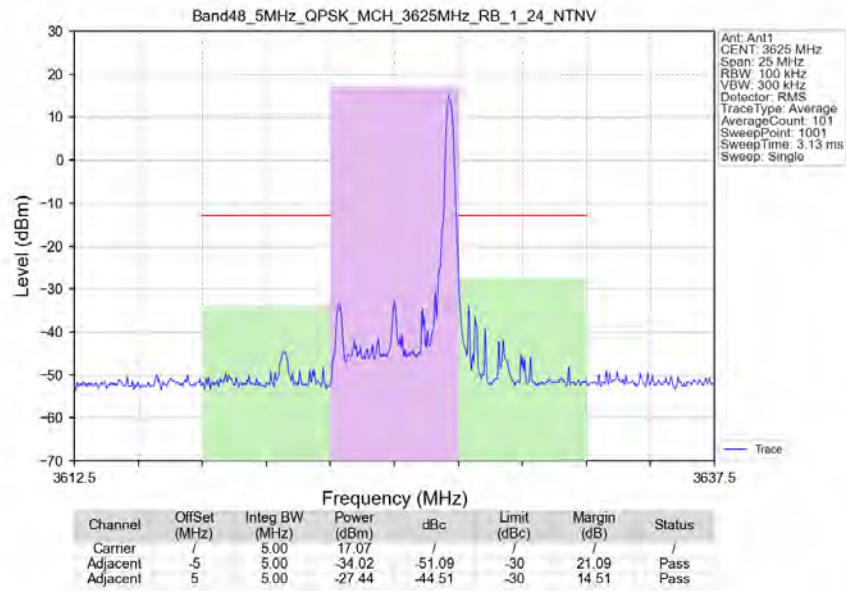
Band48 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



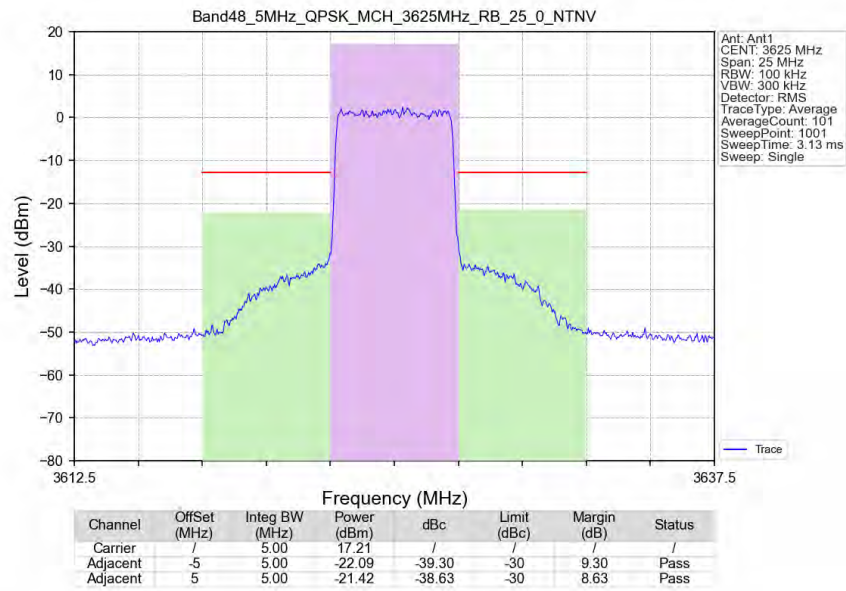
Band48 5MHz QPSK MCH 3625MHz RB 1 0 NTNV



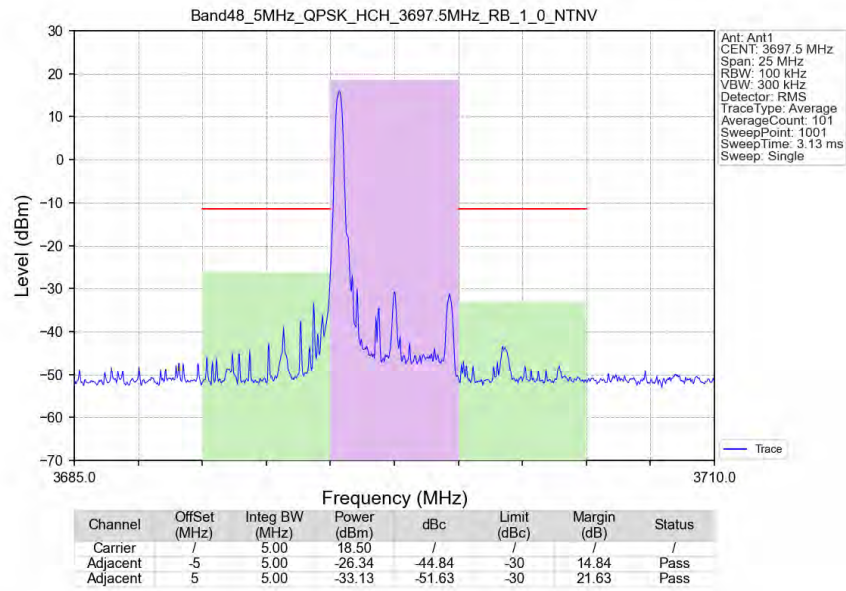
Band48 5MHz QPSK MCH 3625MHz RB 1 24 NTNV



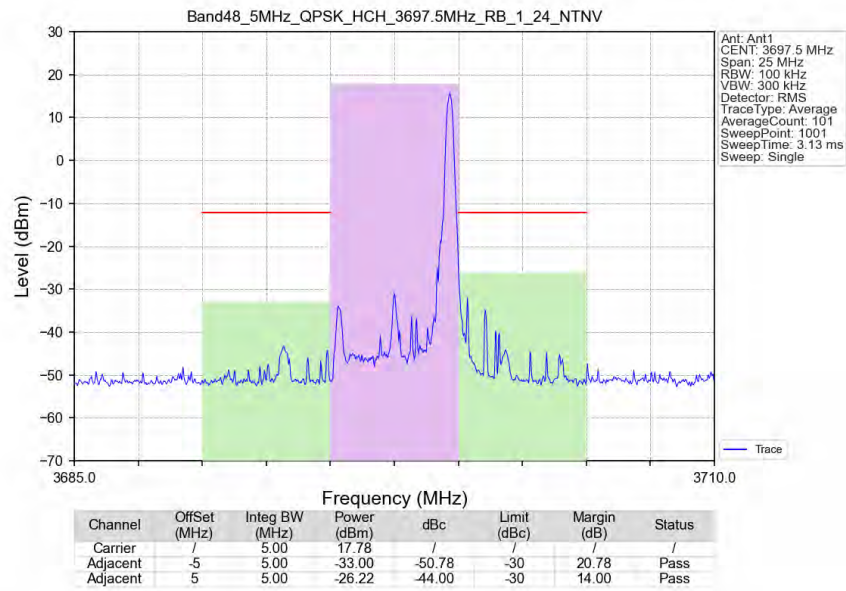
Band48 5MHz QPSK MCH 3625MHz RB 25 0 NTNV



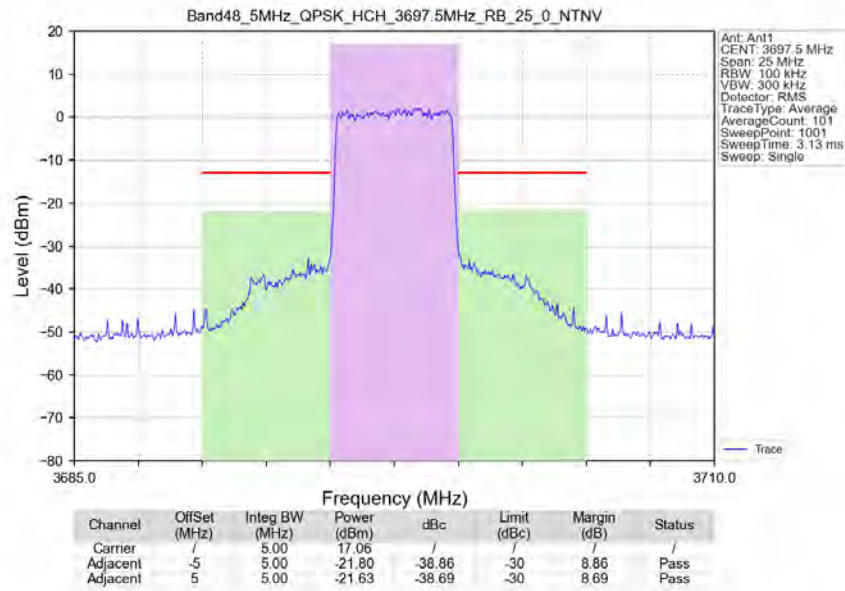
Band48 5MHz QPSK HCH 3697.5MHz RB 1 0 NTN



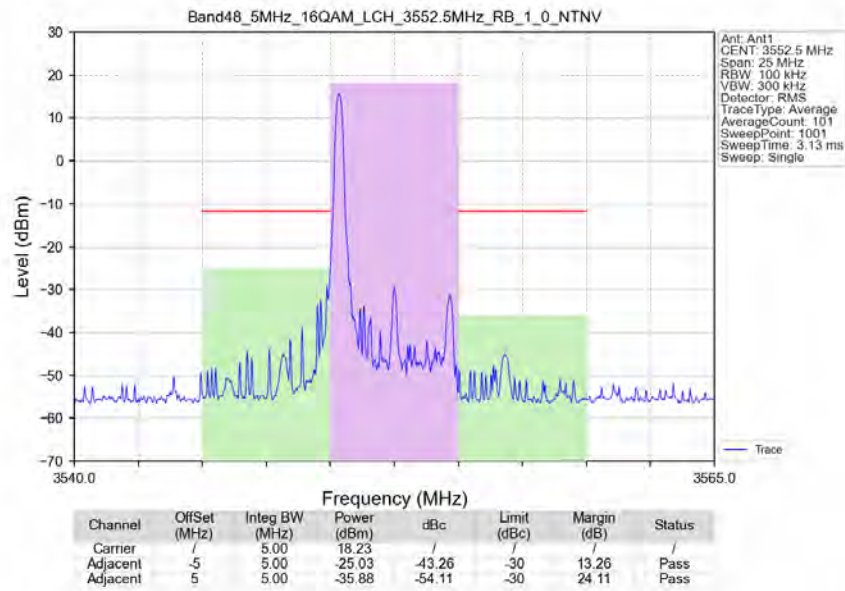
Band48 5MHz QPSK HCH 3697.5MHz RB 1 24 NTN



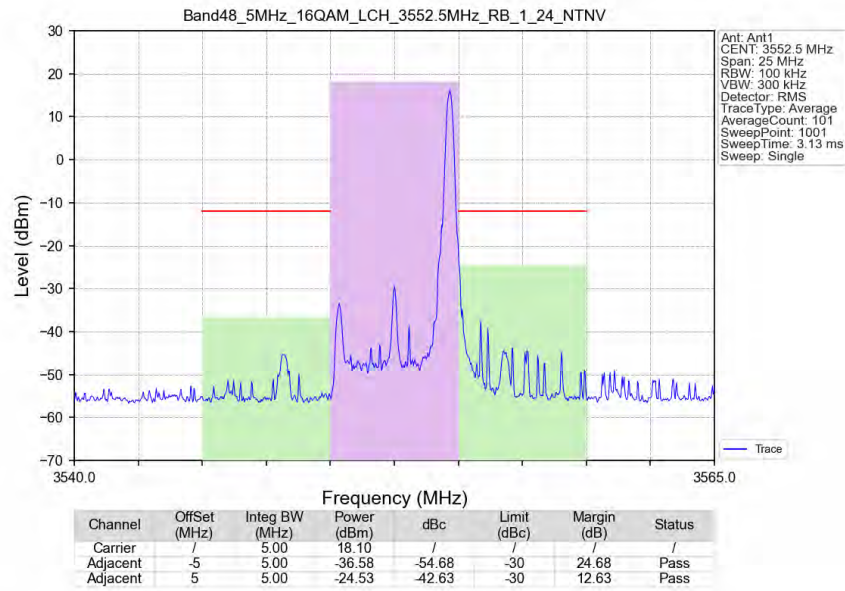
Band48 5MHz QPSK HCH 3697.5MHz RB 25 0 NTV



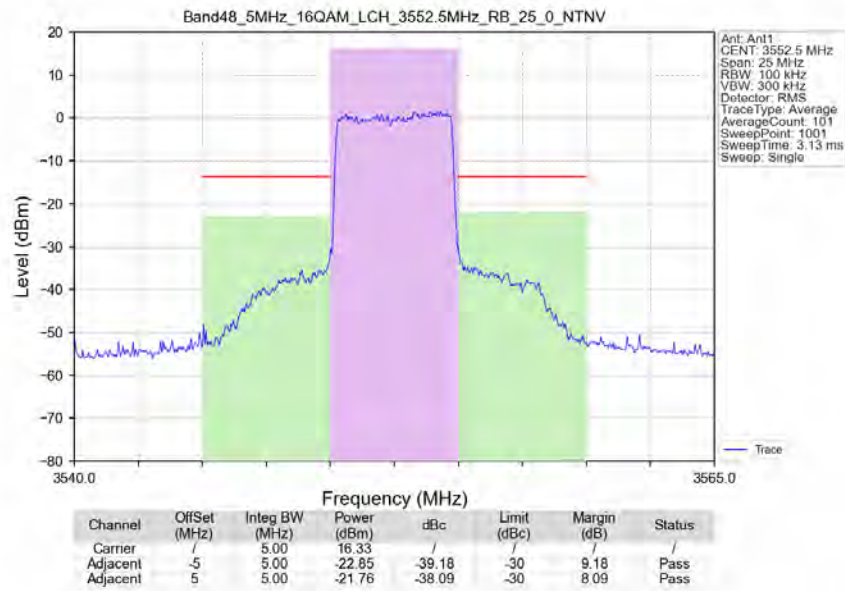
Band48 5MHz 16QAM LCH 3552.5MHz RB 1 0 NTV



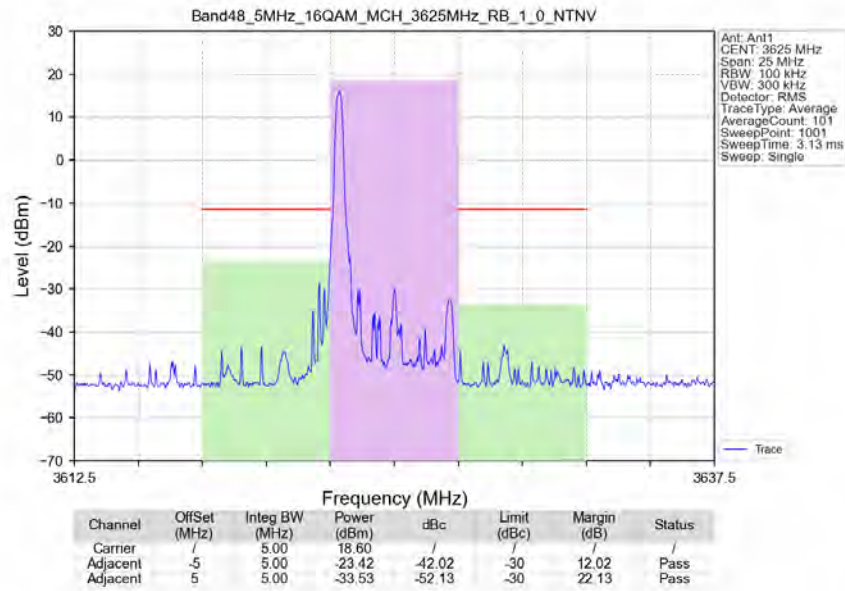
Band48 5MHz 16QAM LCH 3552.5MHz RB 1 24 NTN



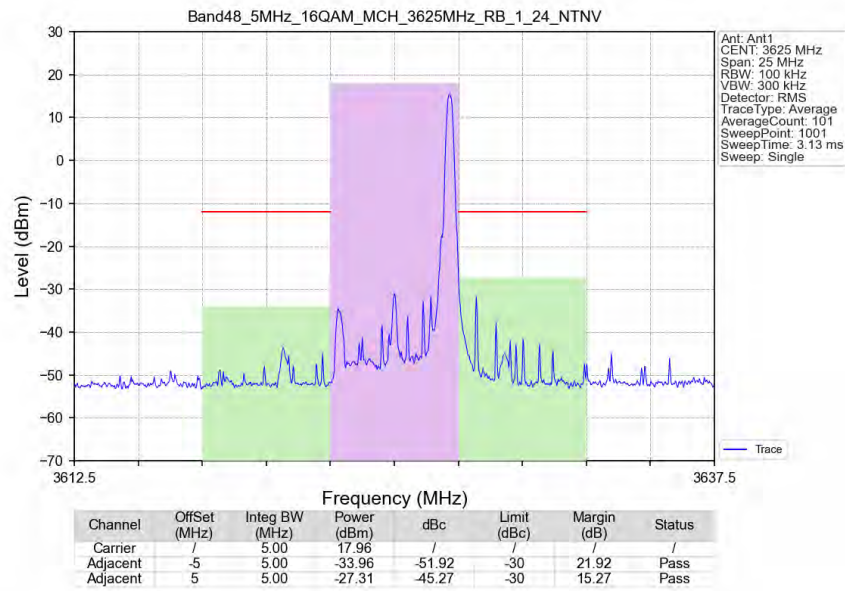
Band48 5MHz 16QAM LCH 3552.5MHz RB 25 0 NTN



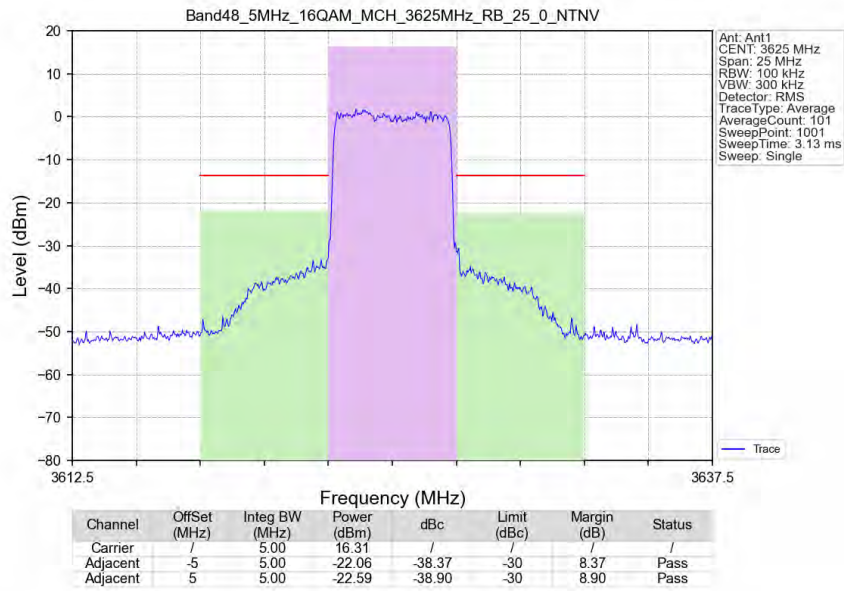
Band48 5MHz 16QAM MCH 3625MHz RB 1 0 NTN



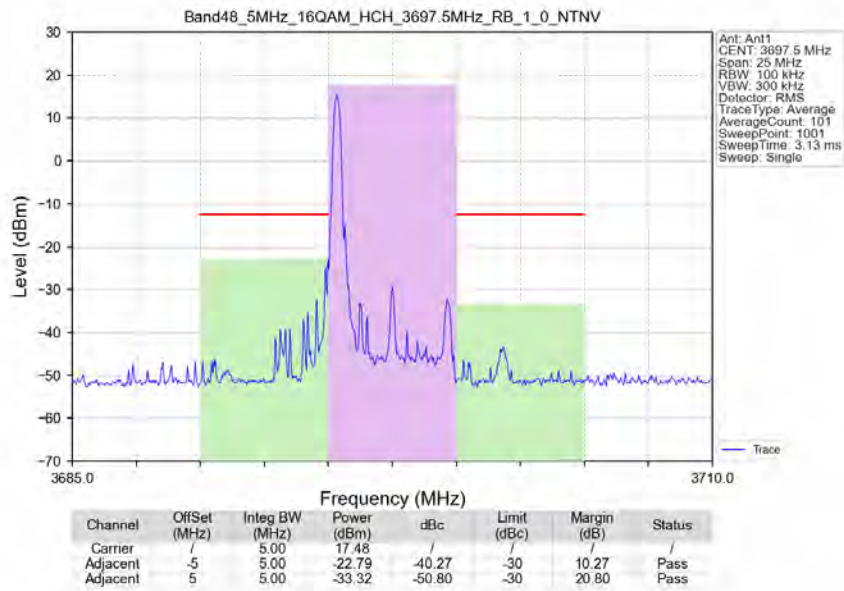
Band48 5MHz 16QAM MCH 3625MHz RB 1 24 NTN



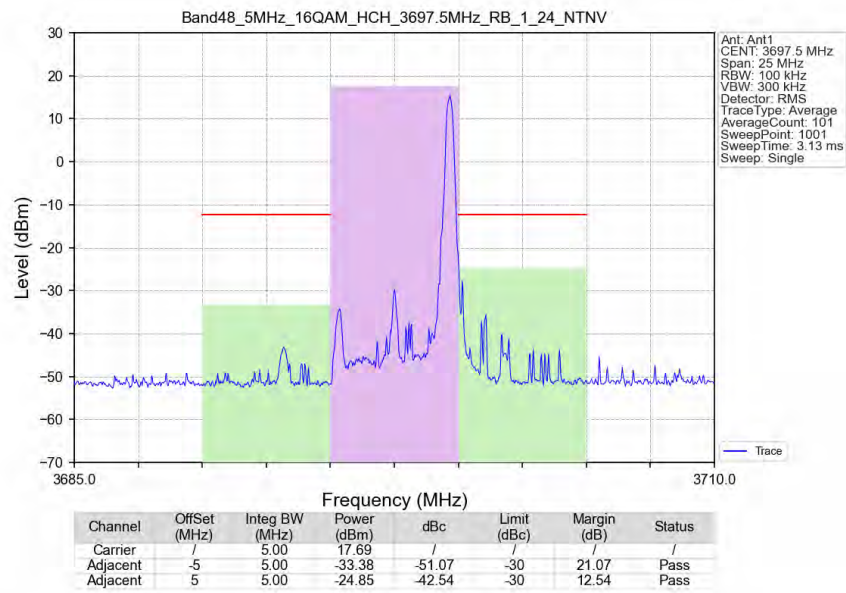
Band48 5MHz 16QAM MCH 3625MHz RB 25 0 NTNV



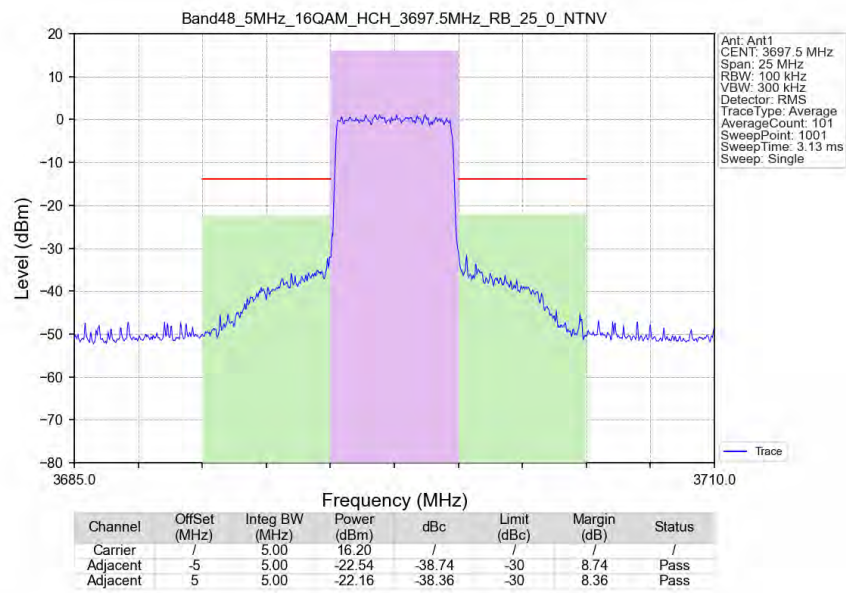
Band48 5MHz 16QAM HCH 3697.5MHz RB 1 0 NTNV



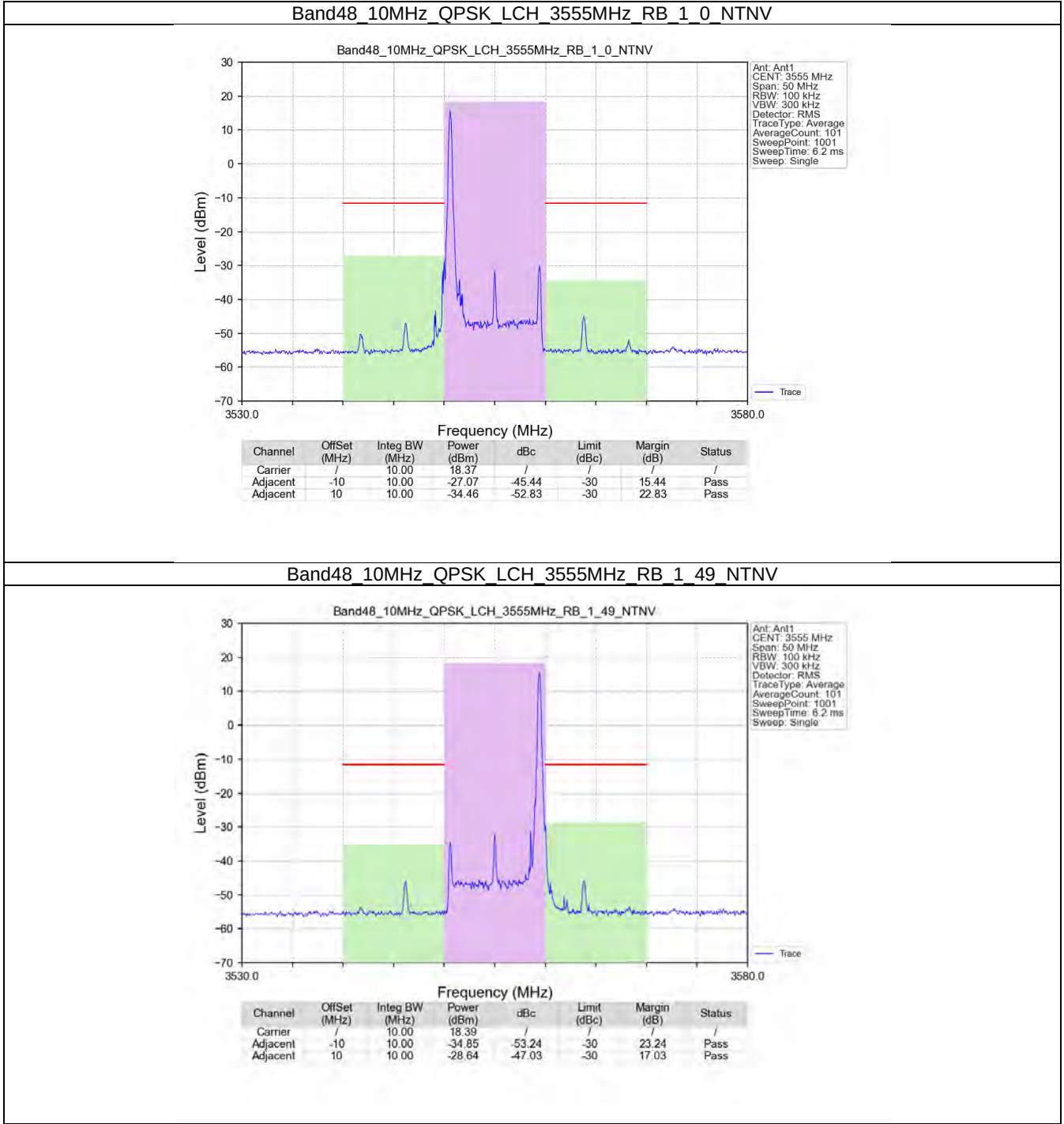
Band48 5MHz 16QAM HCH 3697.5MHz RB 1 24 NTN



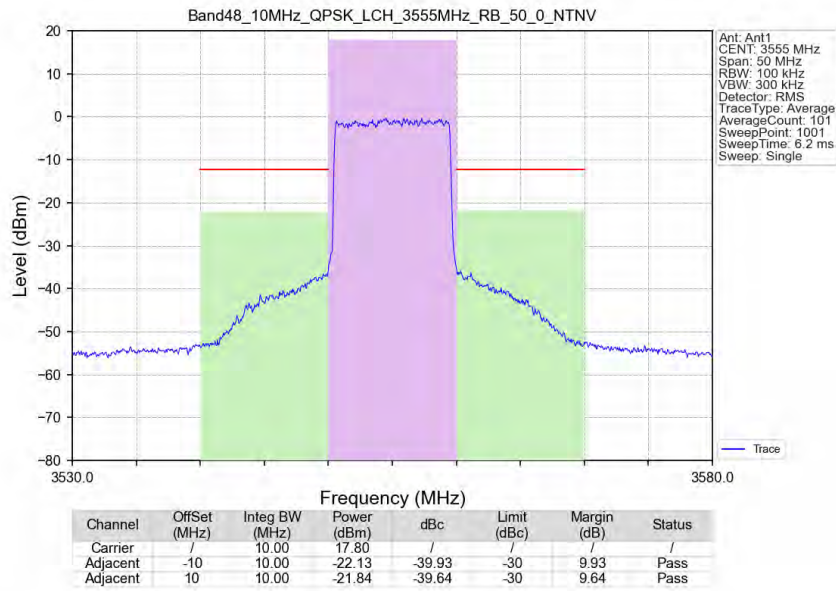
Band48 5MHz 16QAM HCH 3697.5MHz RB 25 0 NTN



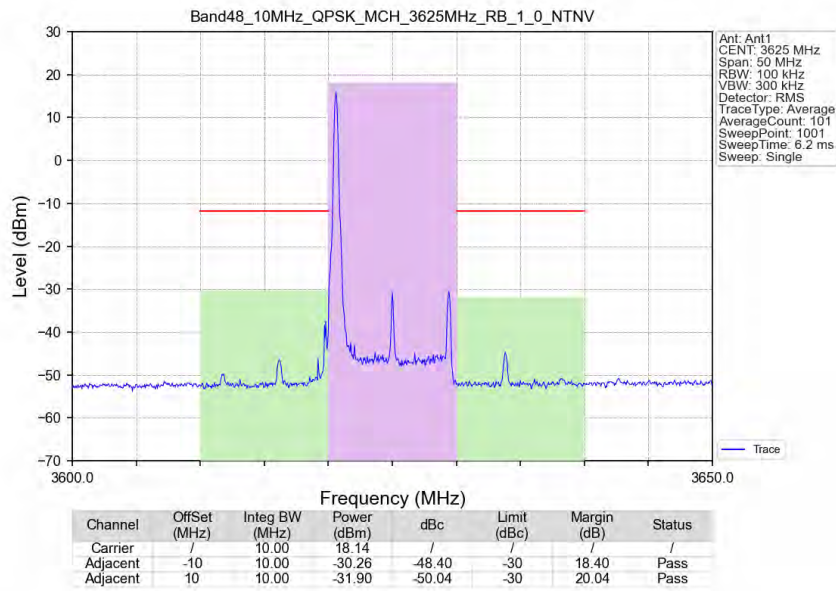
6.2.2 B48_10MHz



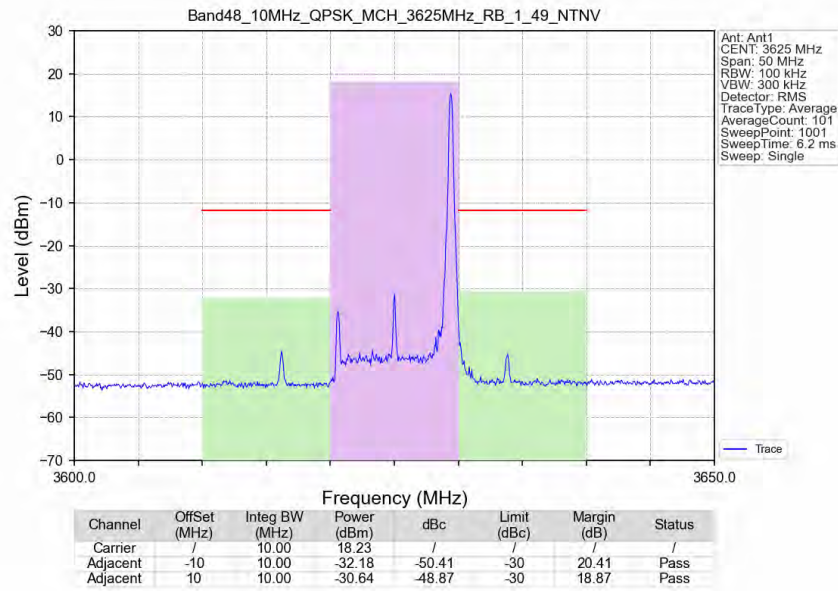
Band48 10MHz QPSK LCH 3555MHz RB 50 0 NTNV



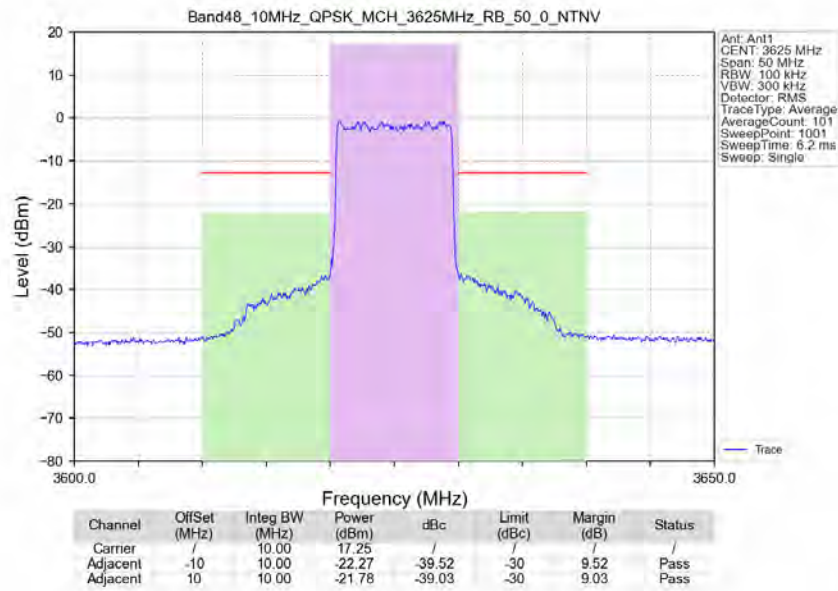
Band48 10MHz QPSK MCH 3625MHz RB 1 0 NTNV



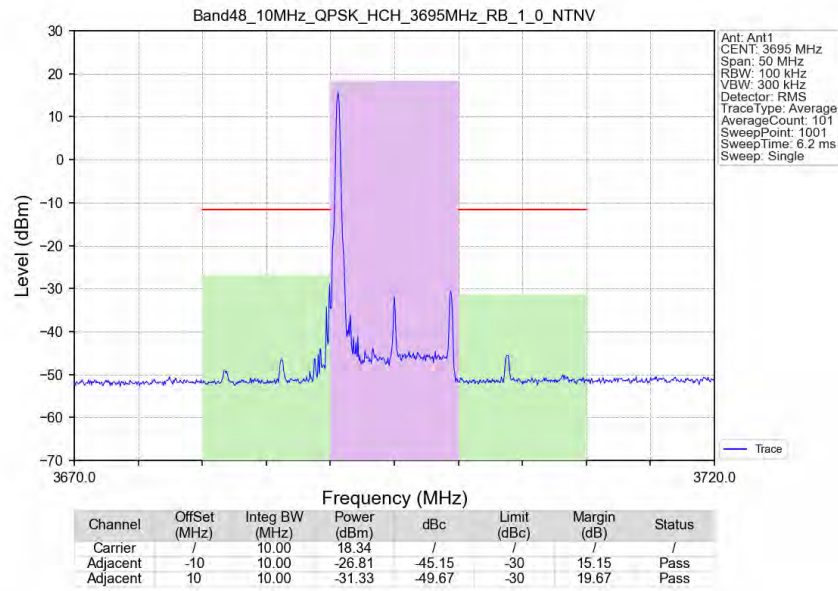
Band48 10MHz QPSK MCH 3625MHz RB 1 49 NTV



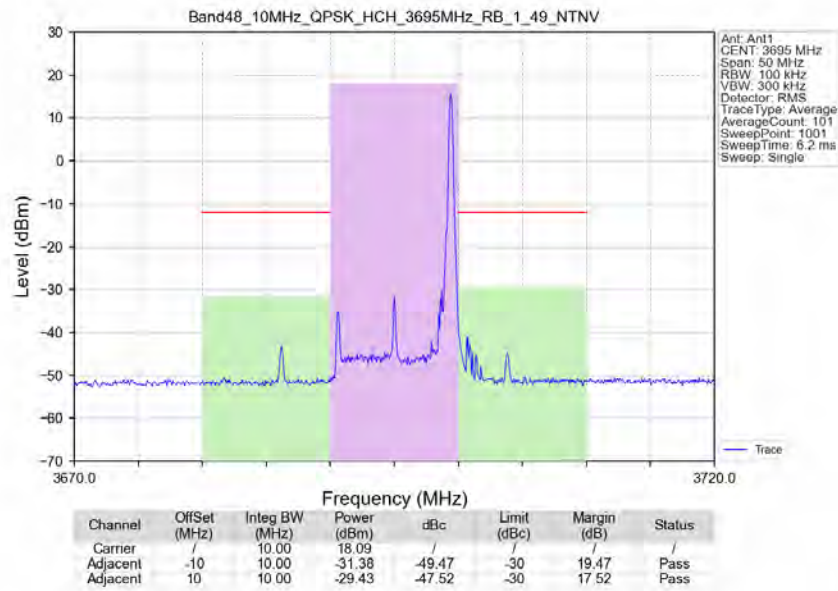
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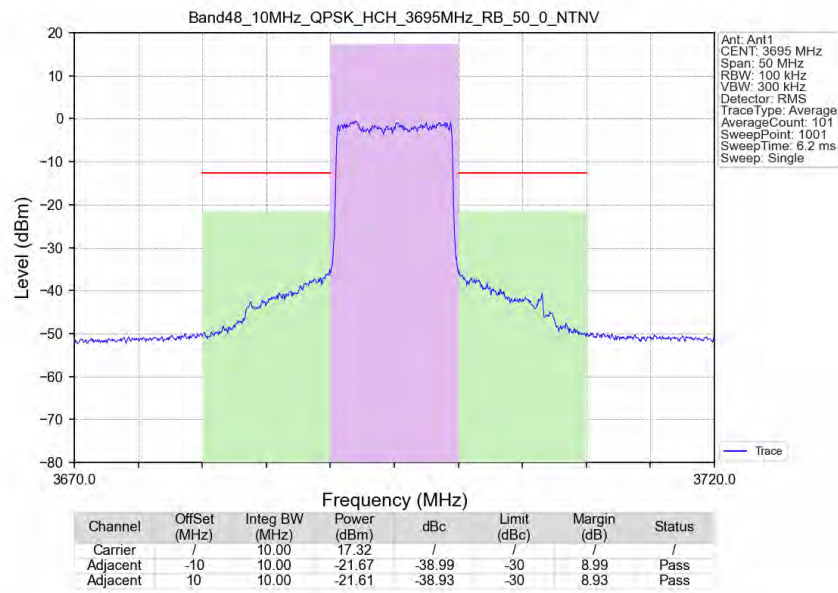
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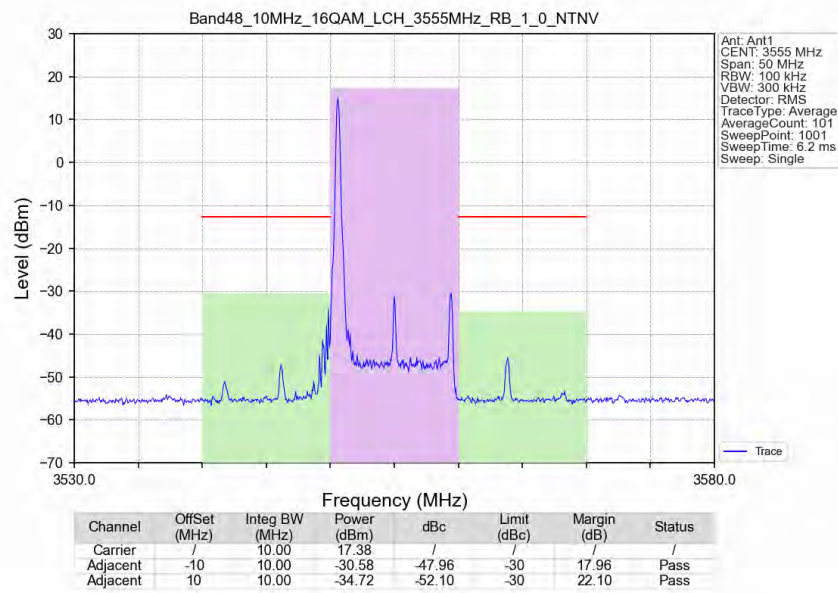
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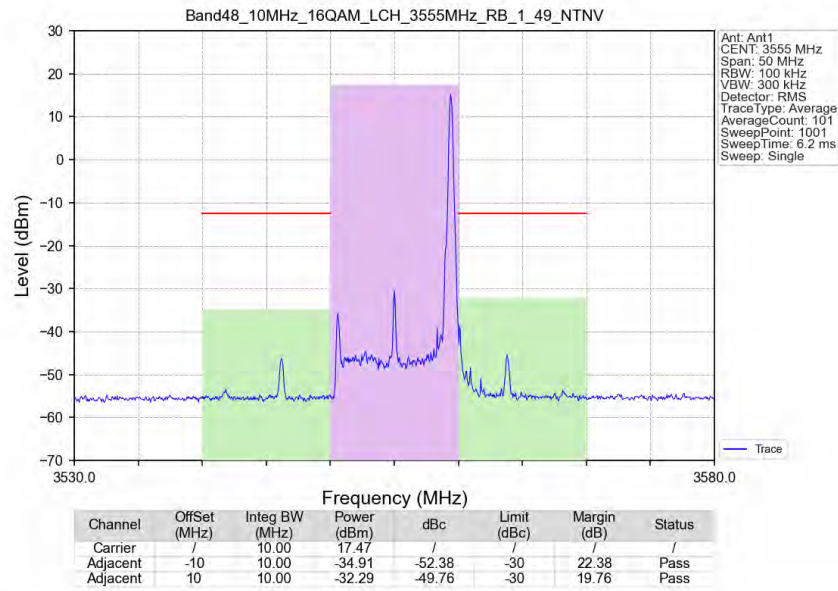
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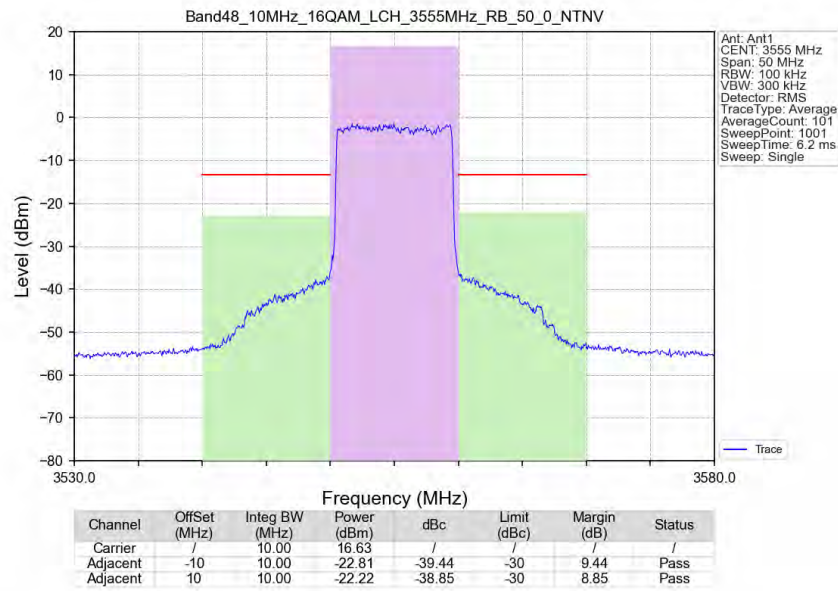
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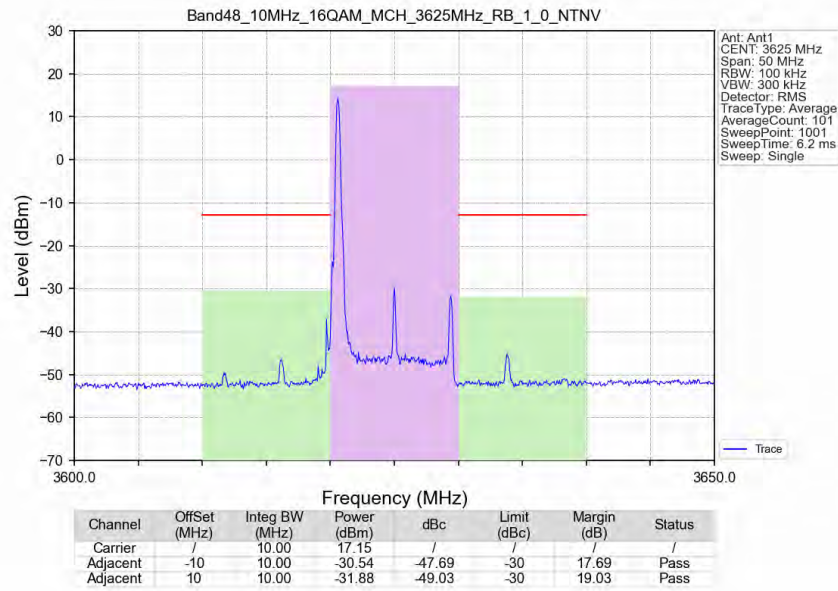
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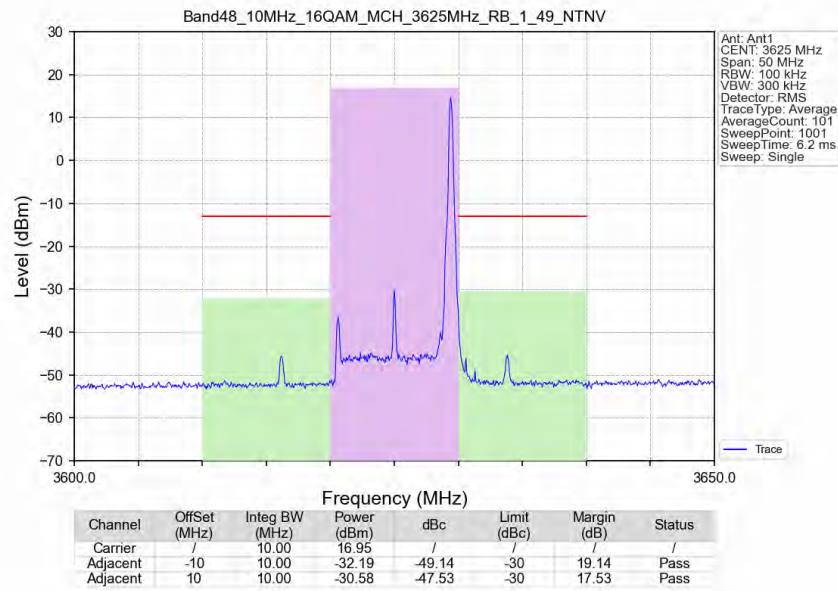
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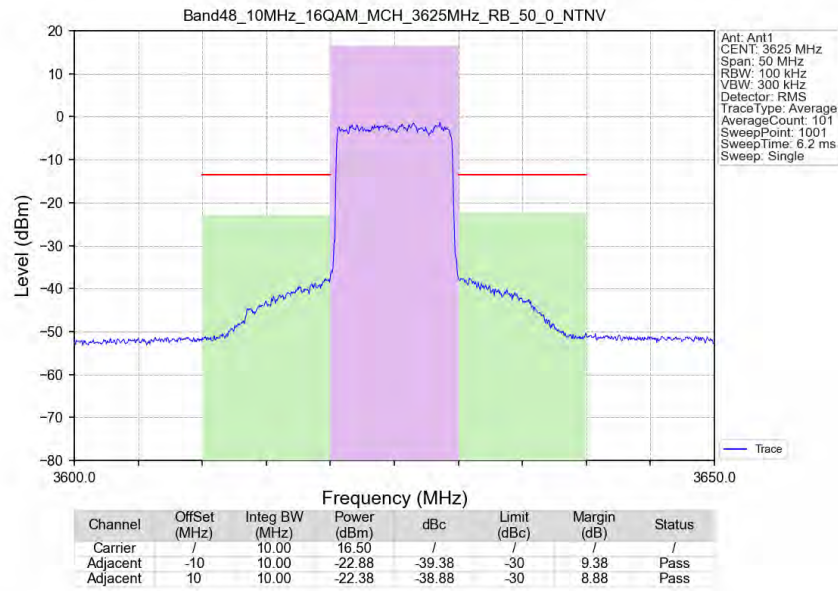
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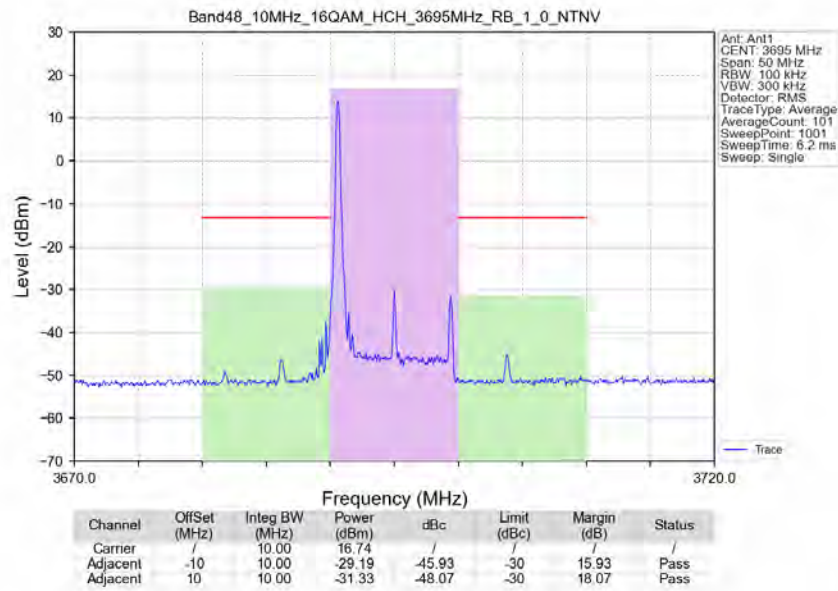
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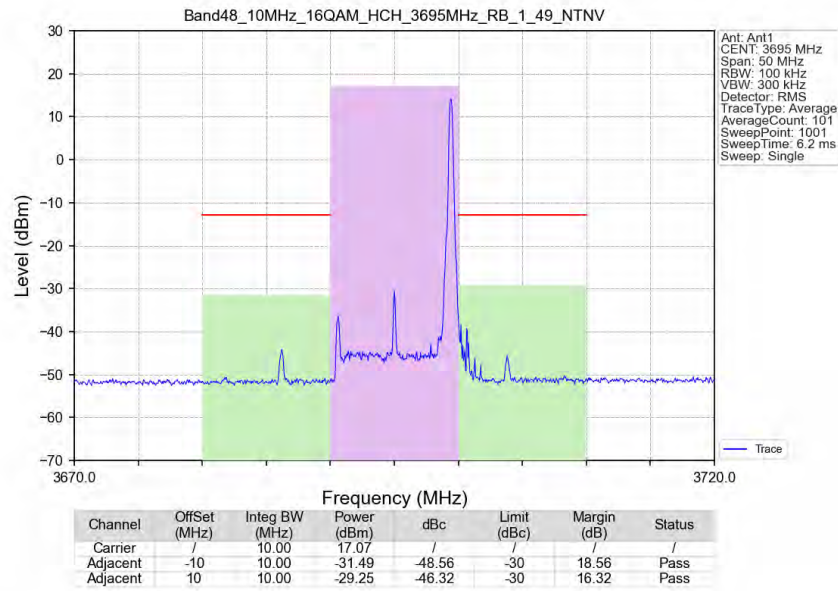
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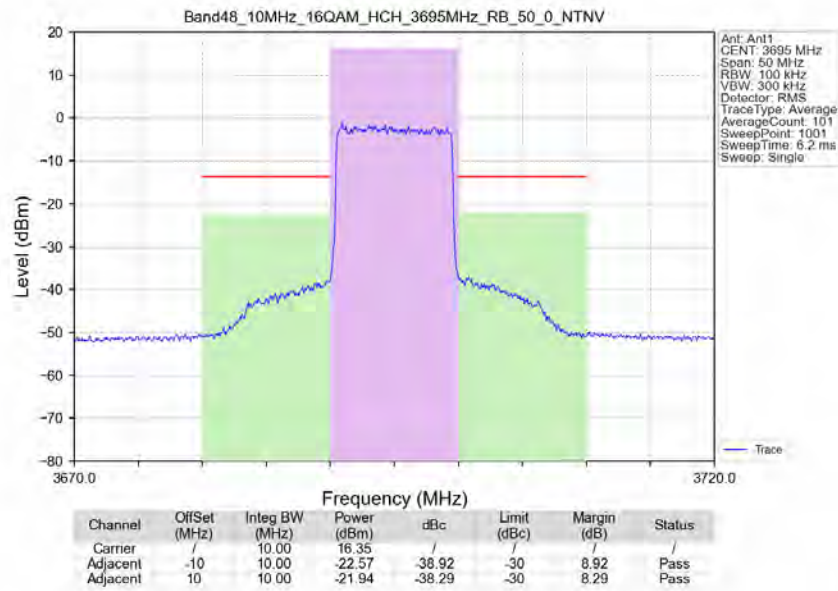
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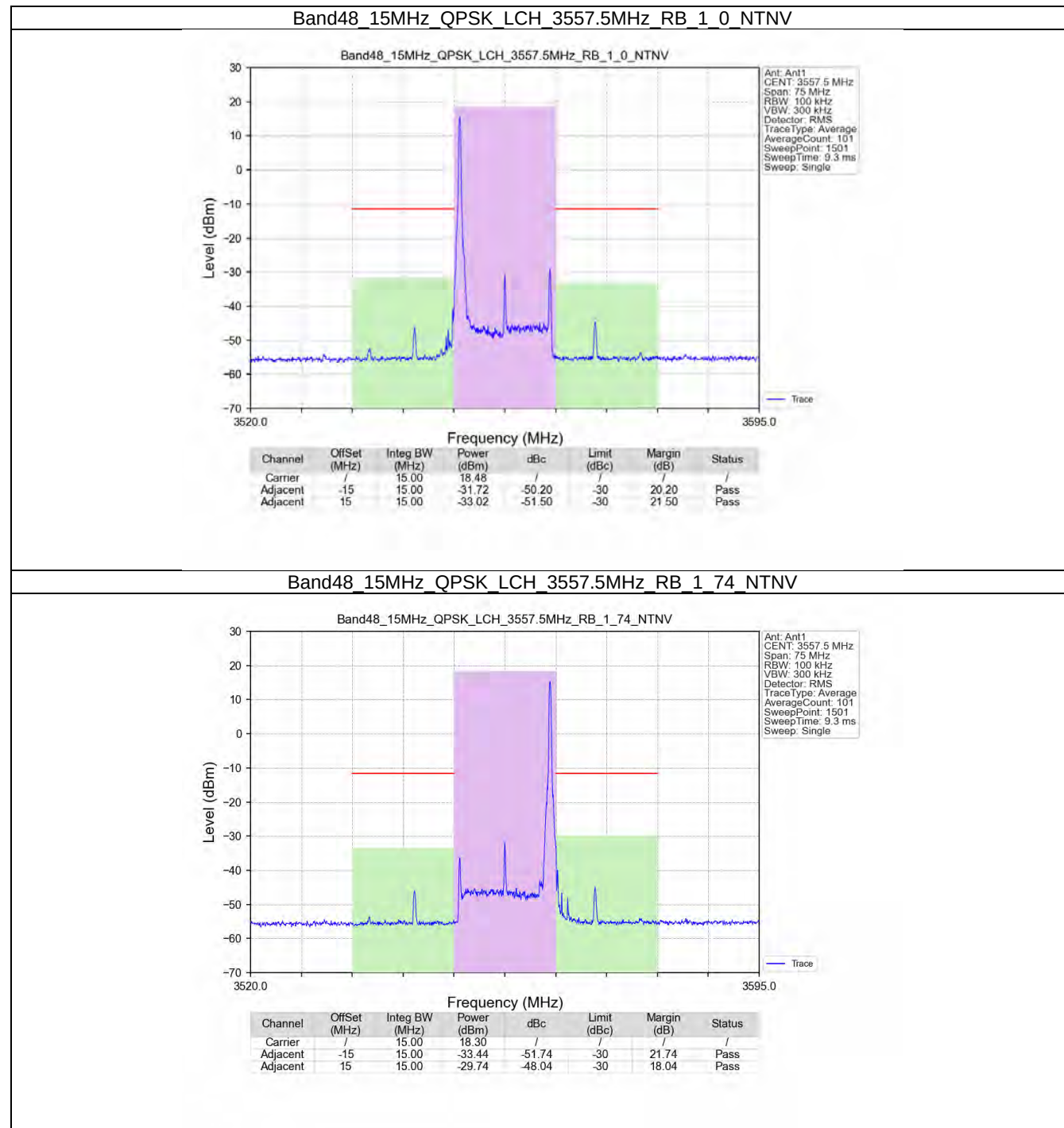
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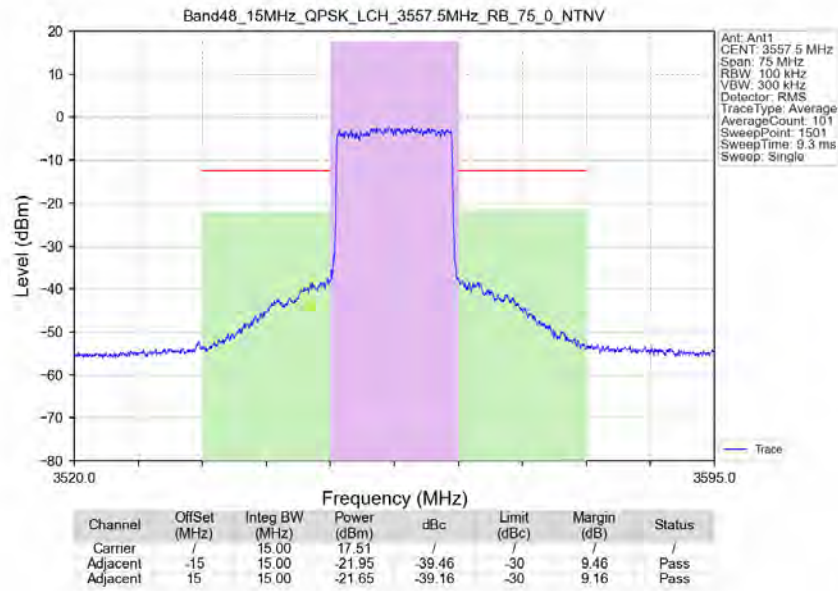
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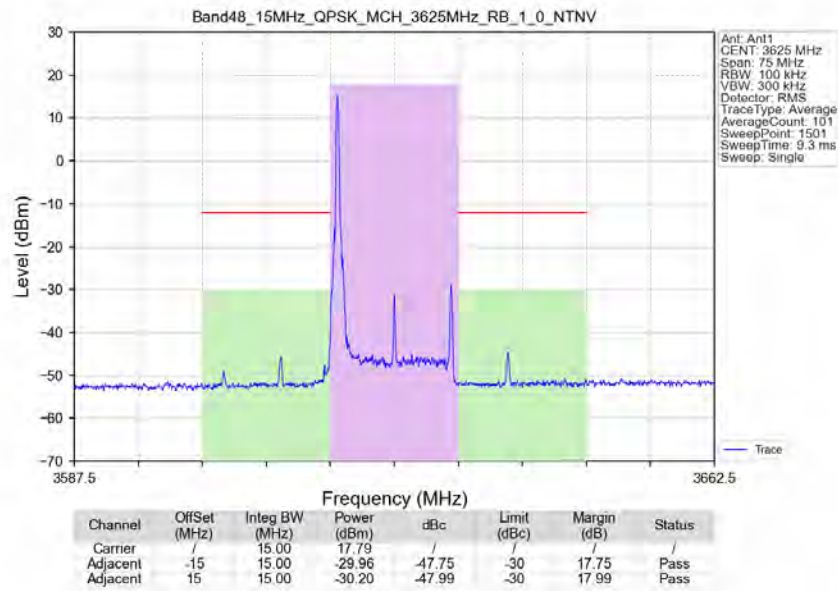
6.2.3 B48_15MHz



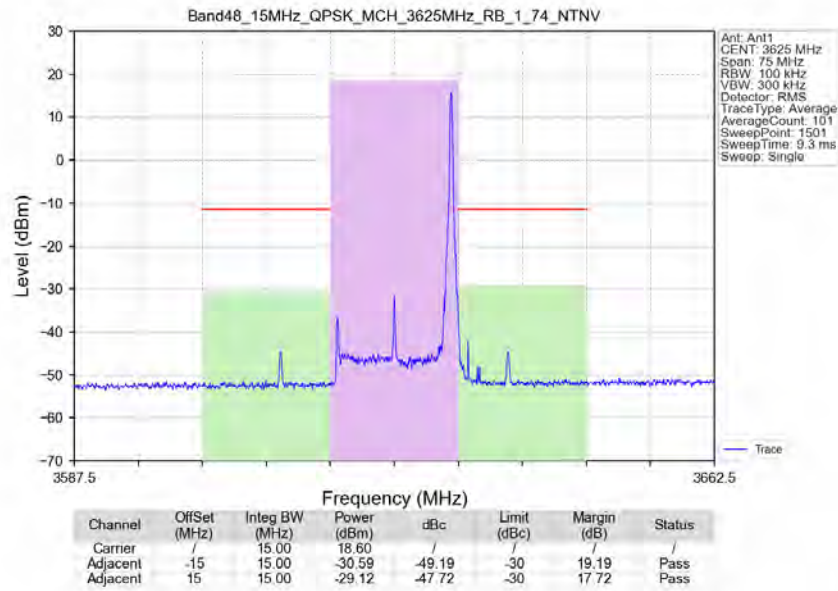
Band48 15MHz QPSK LCH 3557.5MHz RB 75 0 NTNV



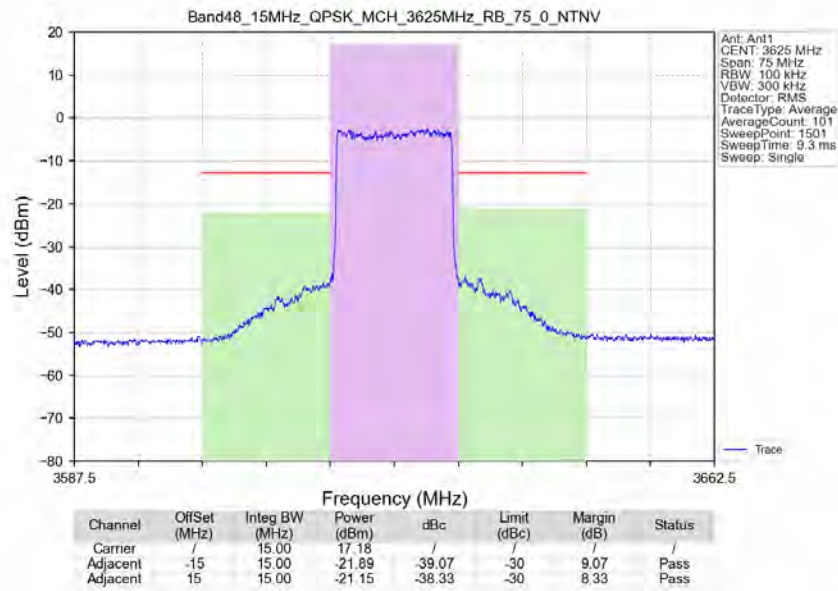
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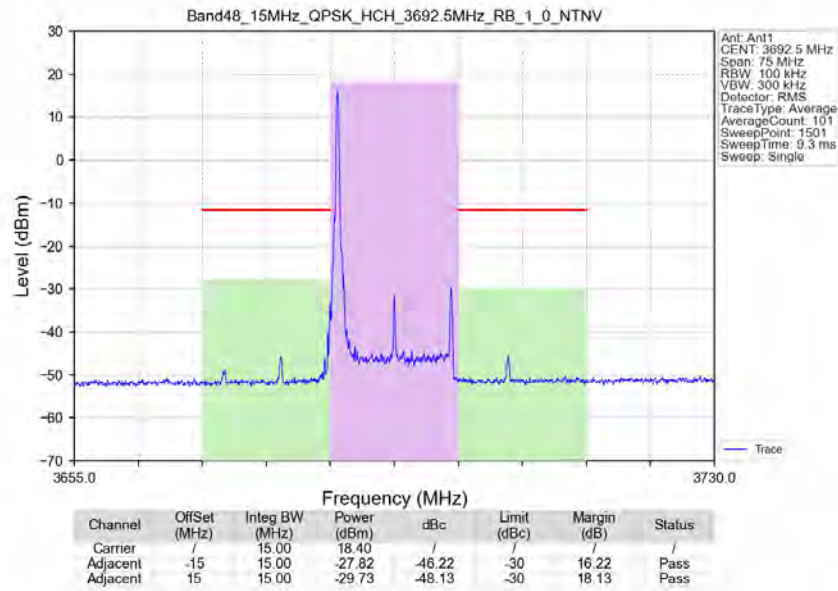
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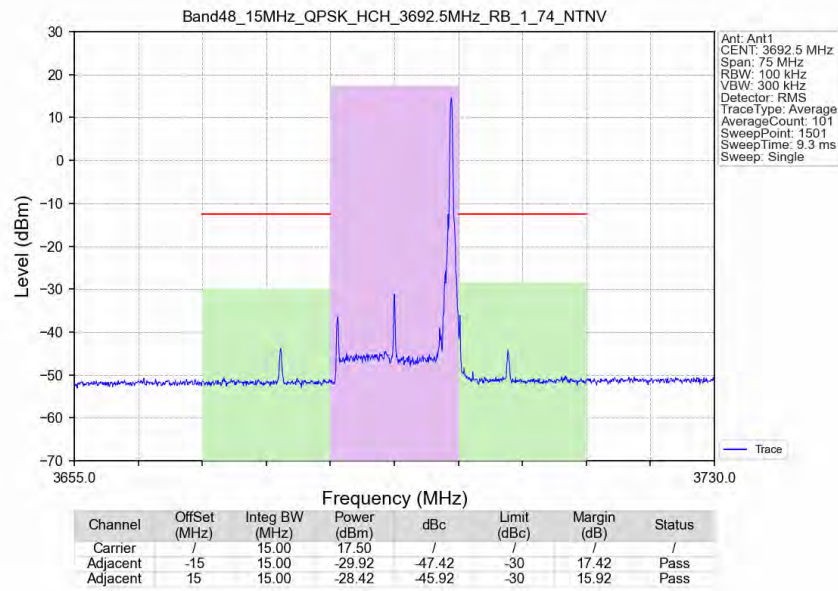
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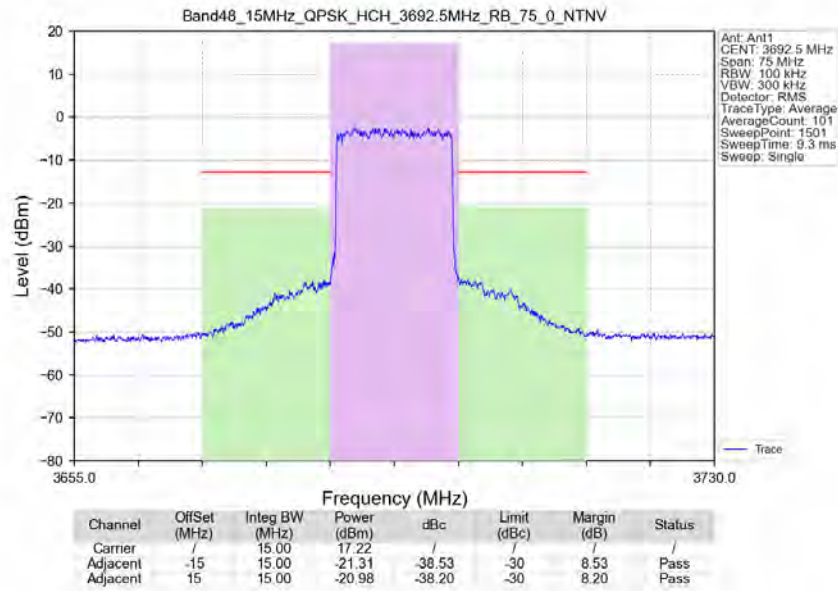
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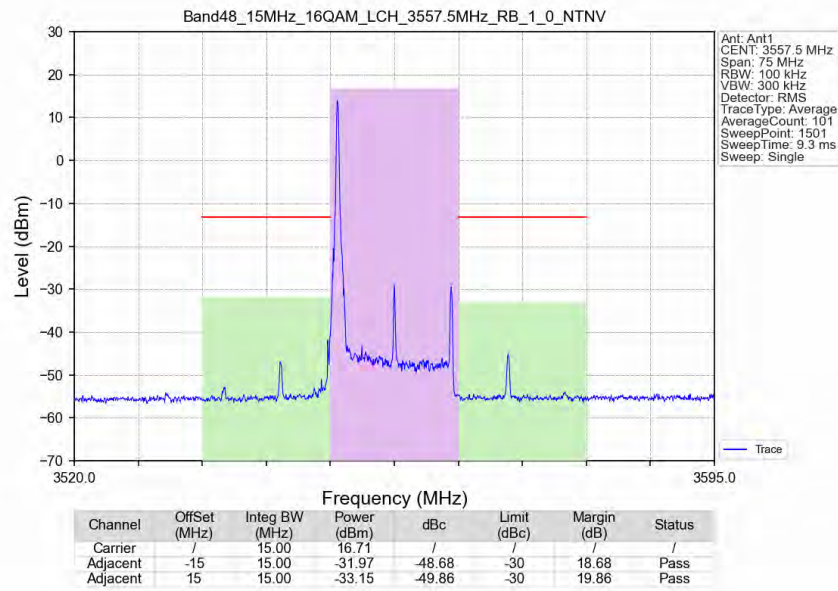
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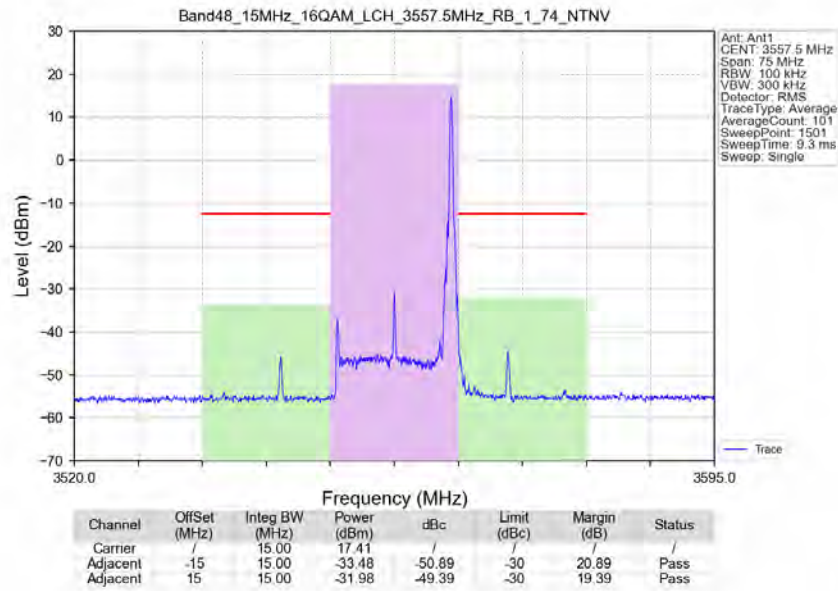
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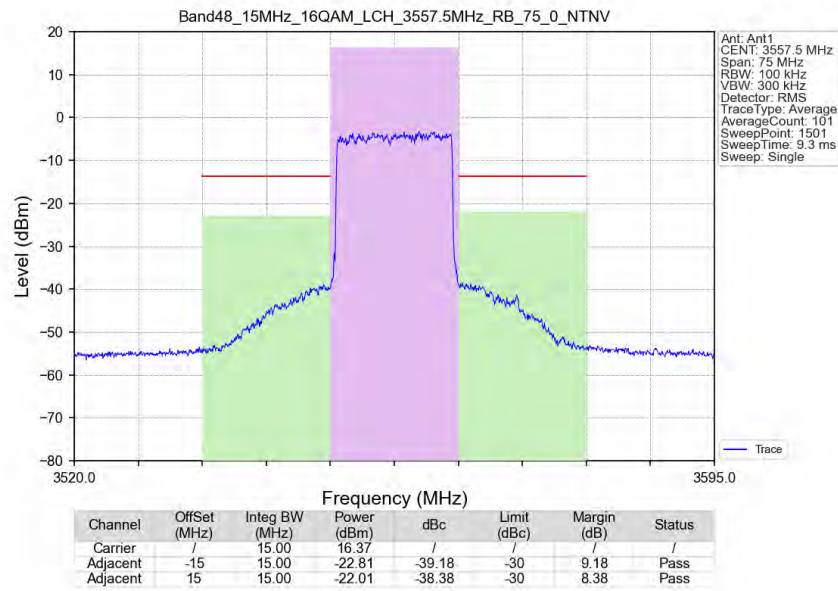
Band48 15MHz 16QAM LCH 3557.5MHz RB 1_0 NTN



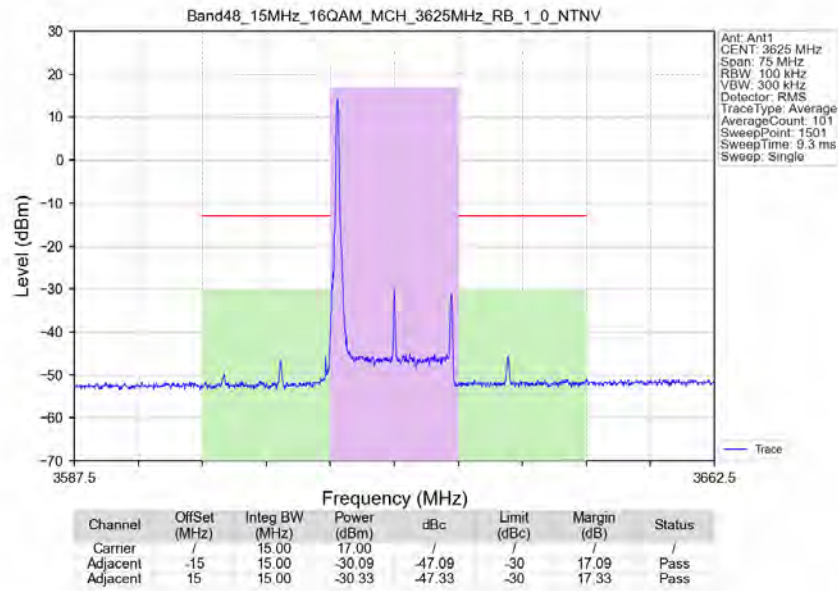
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_1_74_NTNV



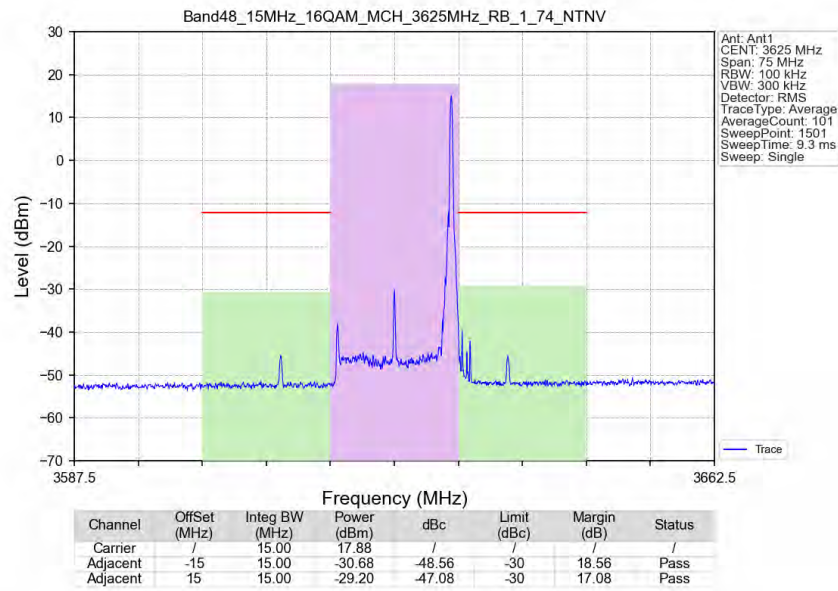
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



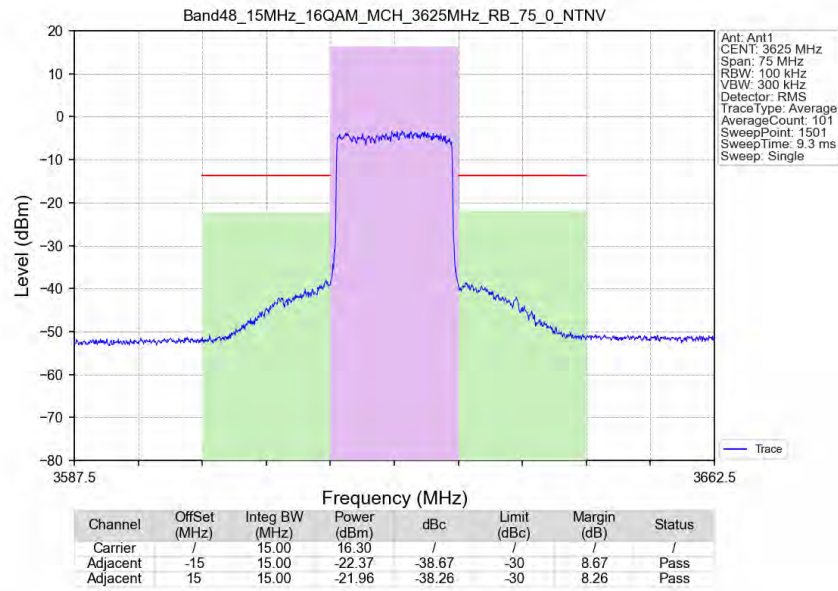
Band48 15MHz 16QAM MCH 3625MHz RB 1 0 NTN



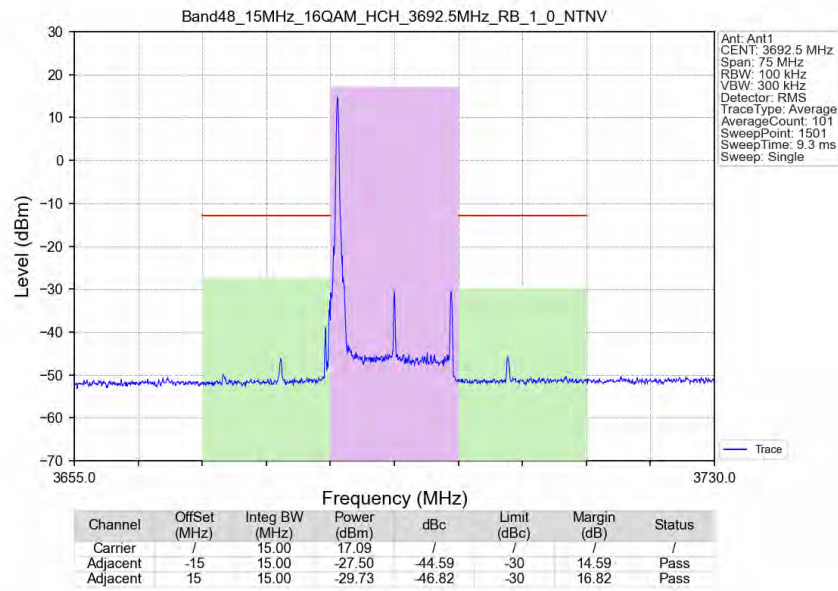
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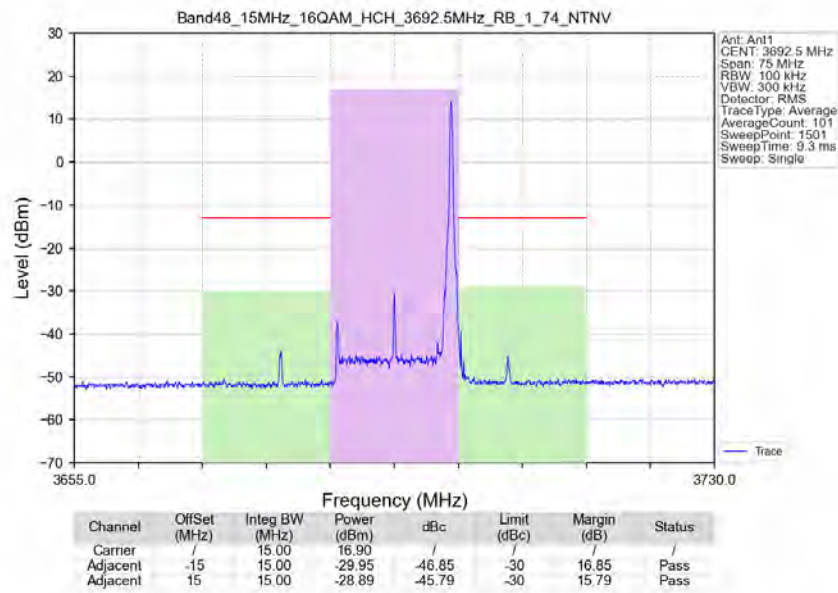
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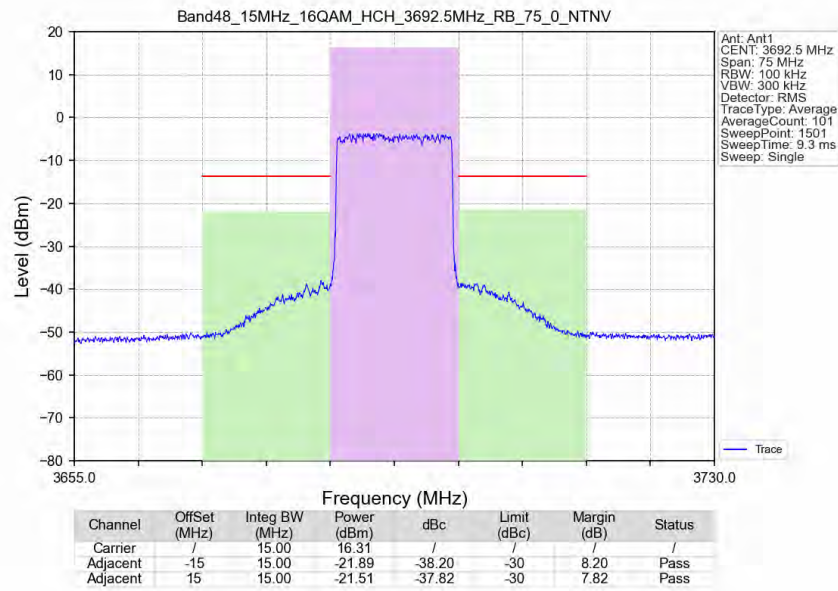
Band48 15MHz 16QAM HCH 3692.5MHz RB 1 0 NTN



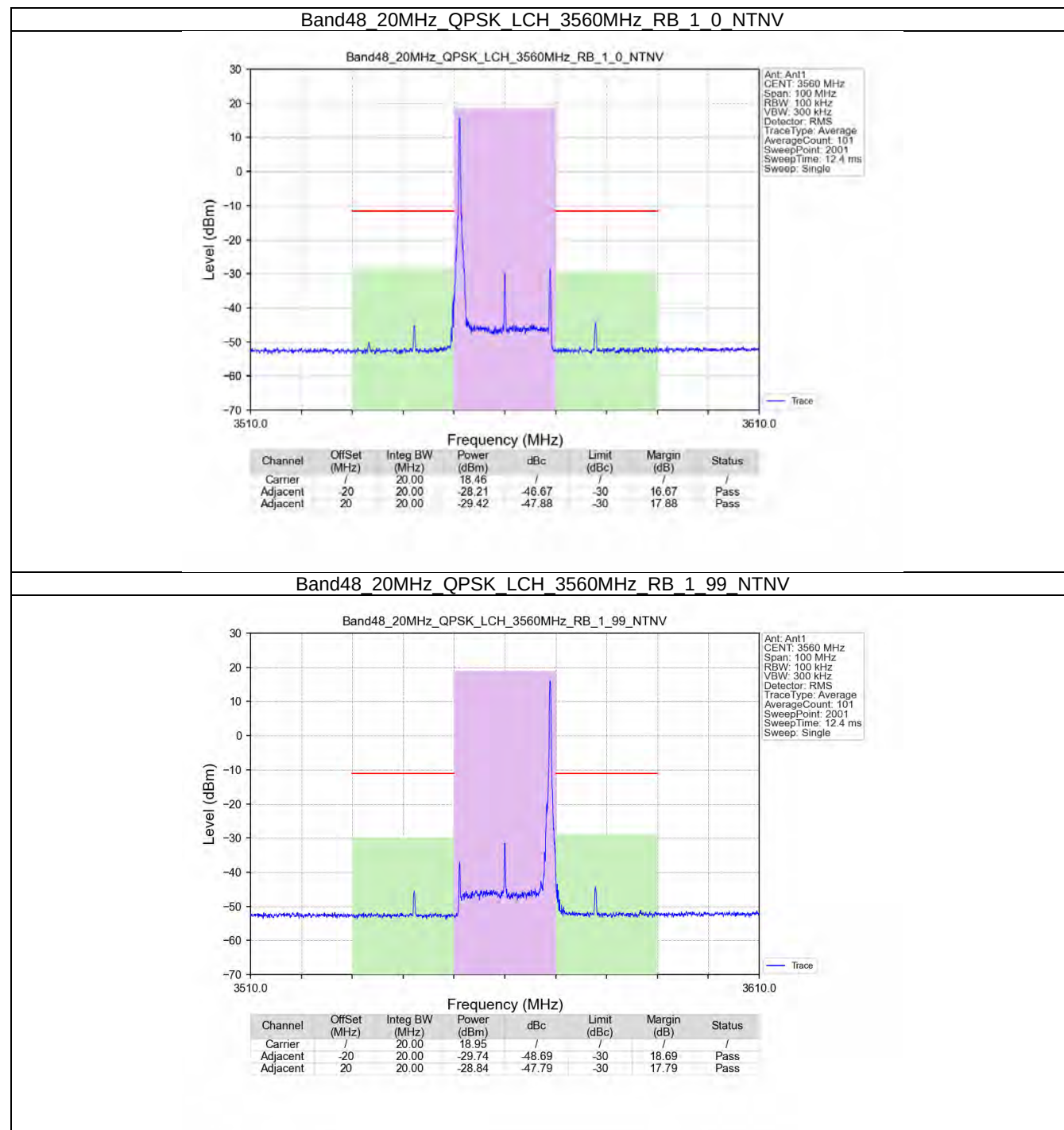
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_1_74_NTNV



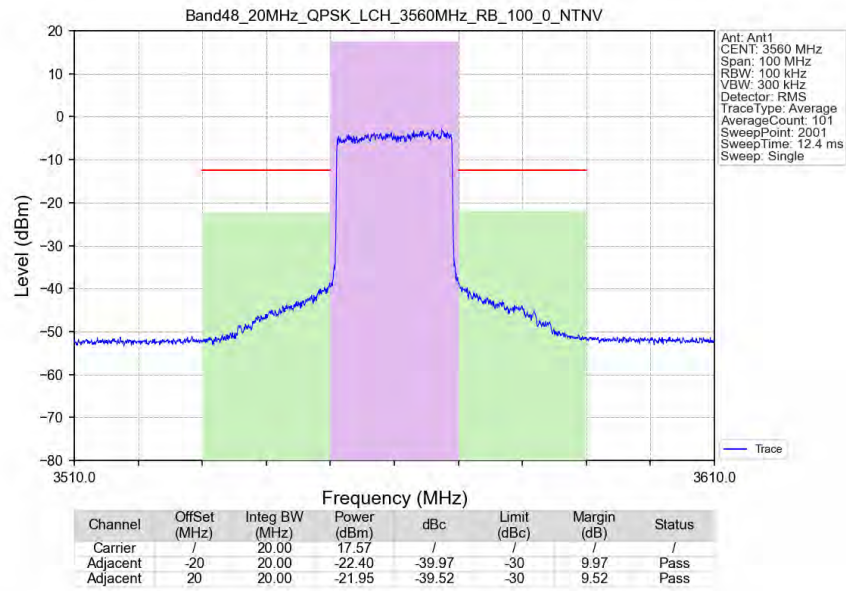
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



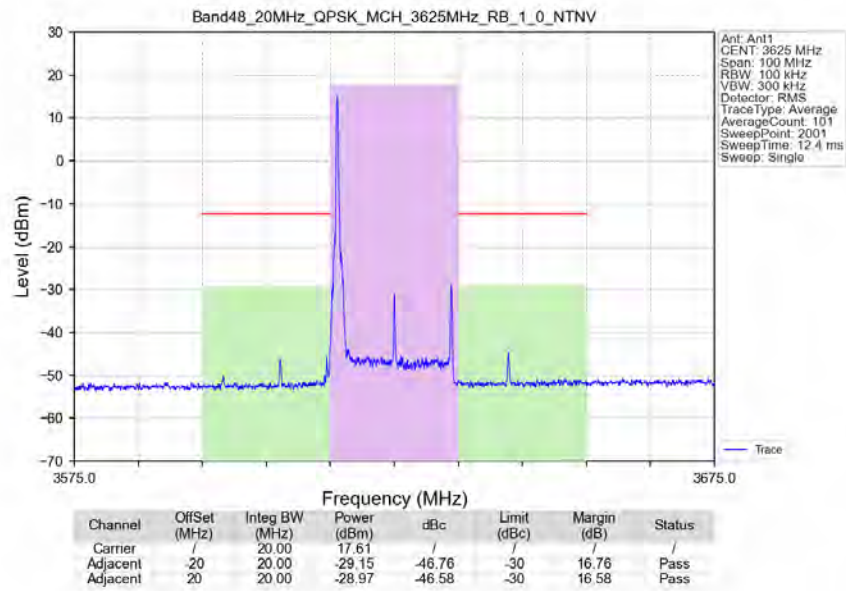
6.2.4 B48_20MHz



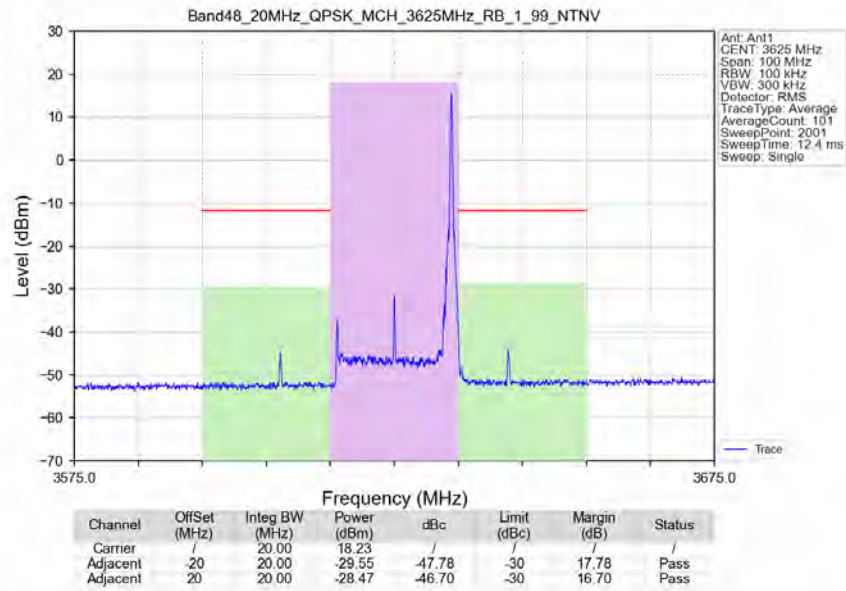
Band48 20MHz QPSK LCH 3560MHz RB 100 0 NTNV



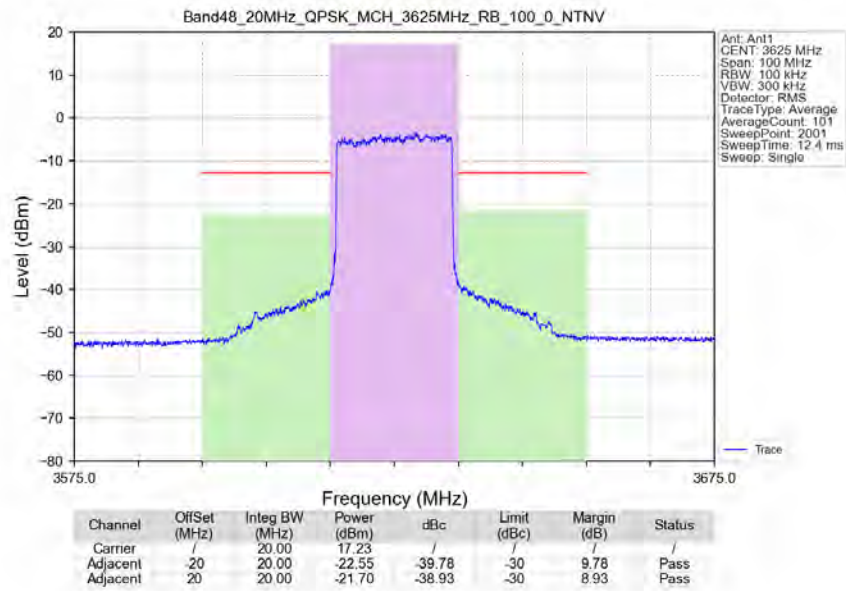
Band48 20MHz QPSK MCH 3625MHz RB 1 0 NTNV



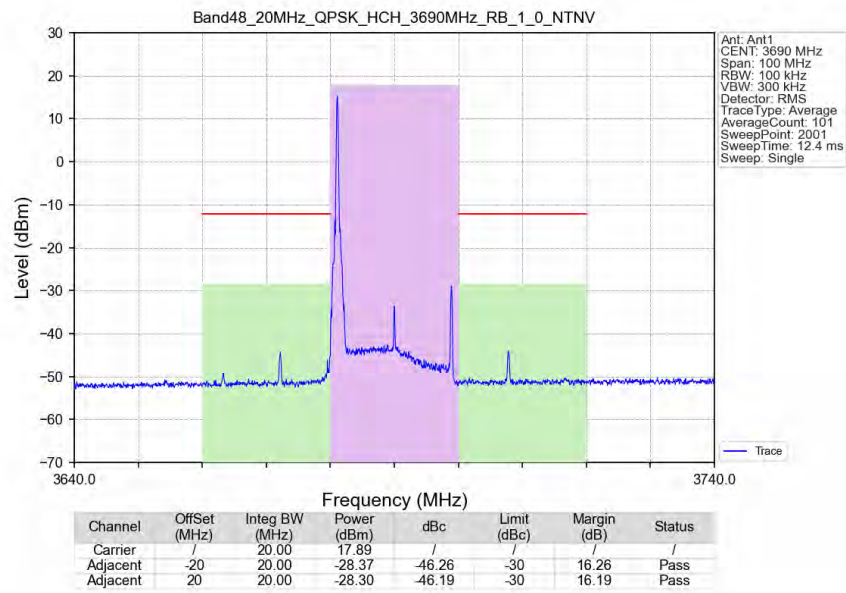
Band48 20MHz QPSK MCH 3625MHz RB 1 99 NTN



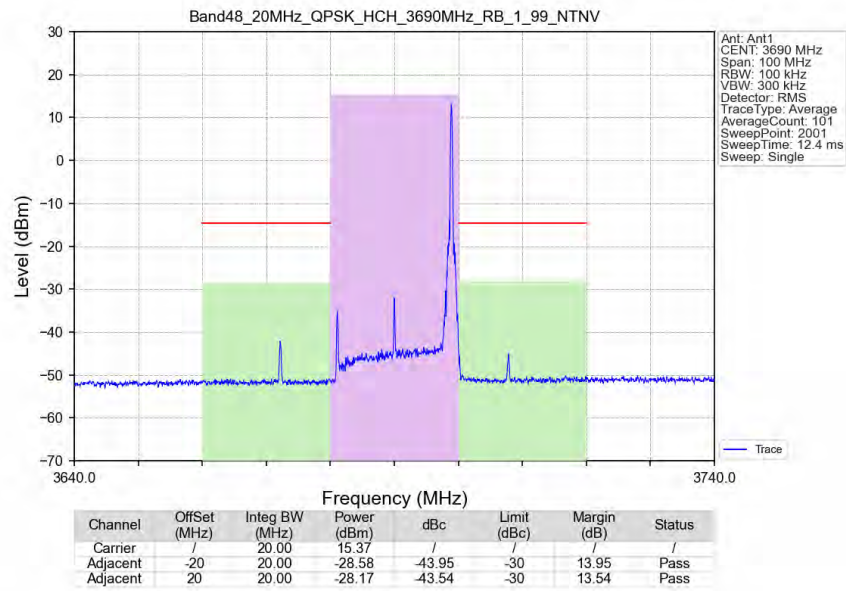
Band48 20MHz QPSK MCH 3625MHz RB 100 0 NTN



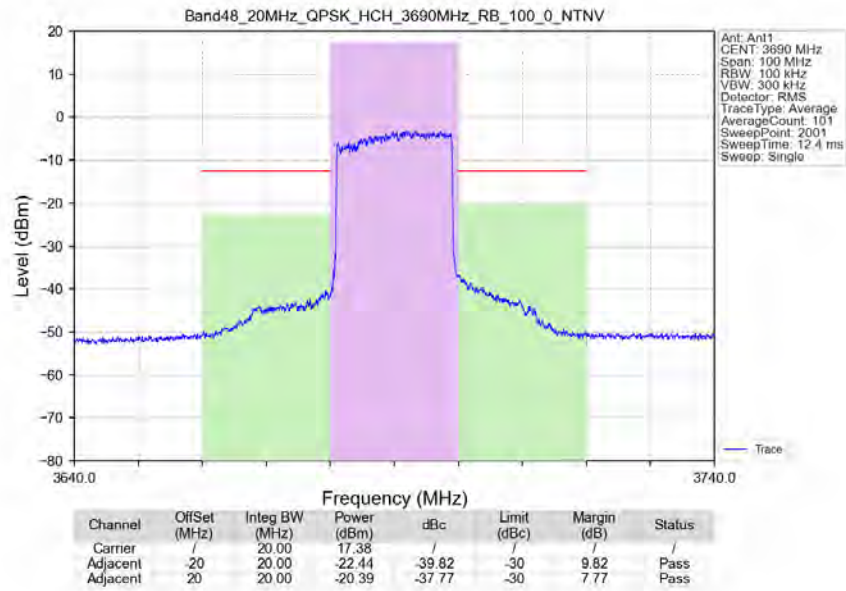
Band48 20MHz QPSK HCH 3690MHz RB 1 0 NTN



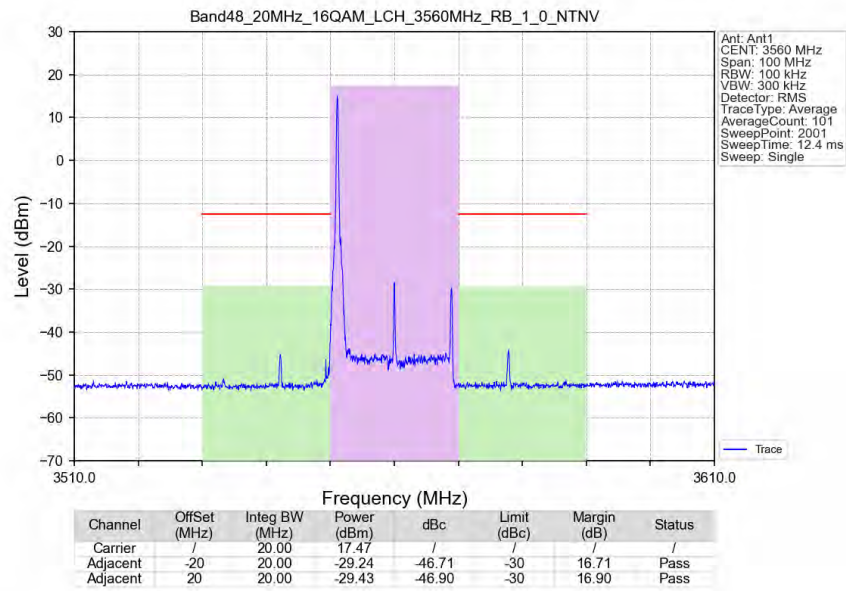
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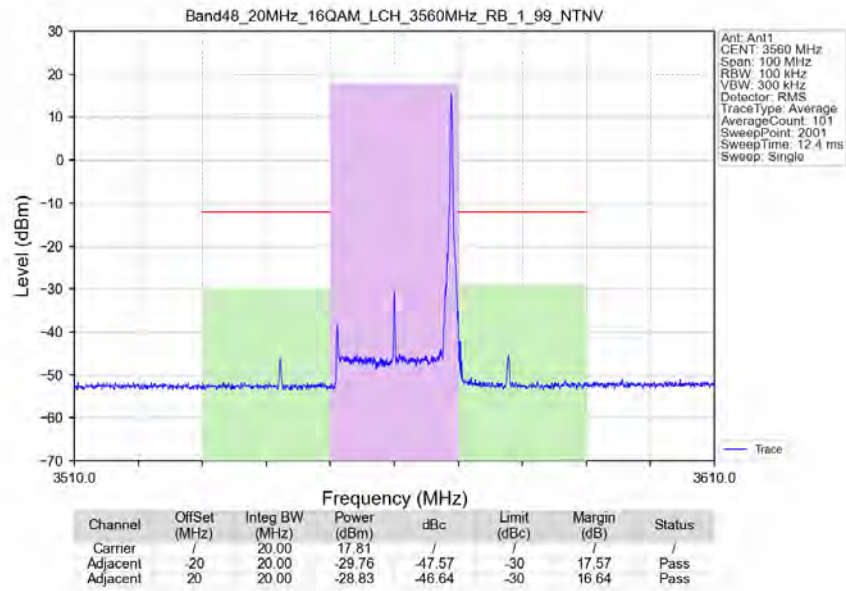
Band48 20MHz QPSK HCH 3690MHz RB 100 0 NTN



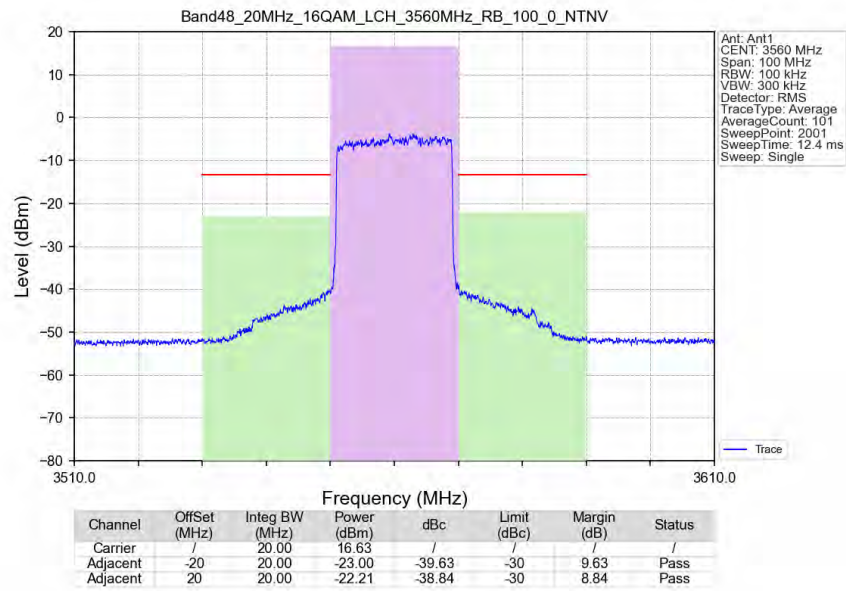
Band48_20MHz_16QAM_LCH_3560MHz_RB_1_0 NTN



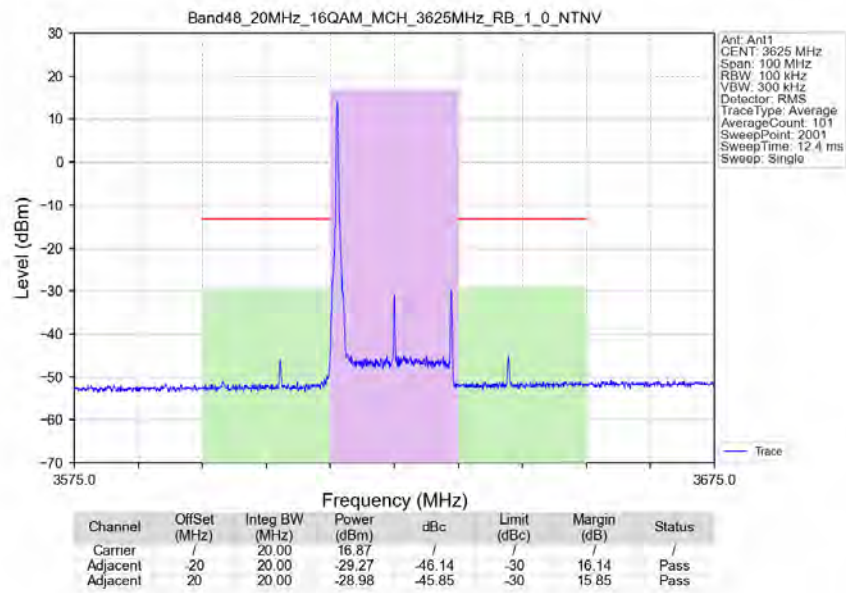
Band48 20MHz 16QAM LCH 3560MHz RB 1 99 NTV



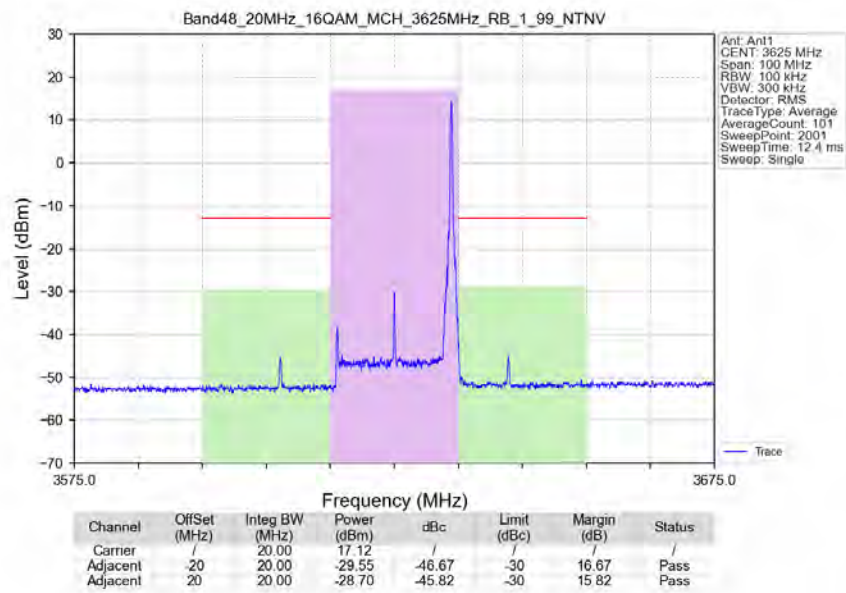
Band48 20MHz 16QAM LCH 3560MHz_RB 100 0 NTV



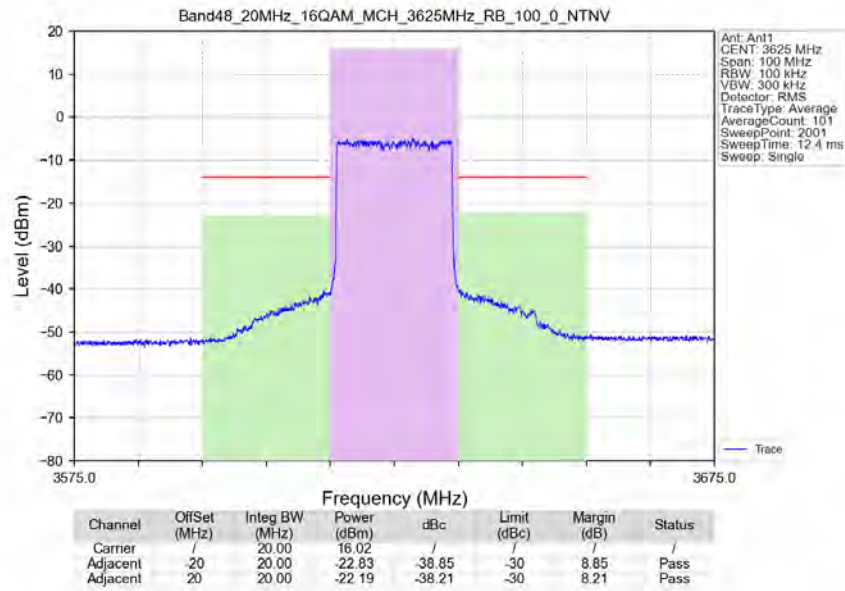
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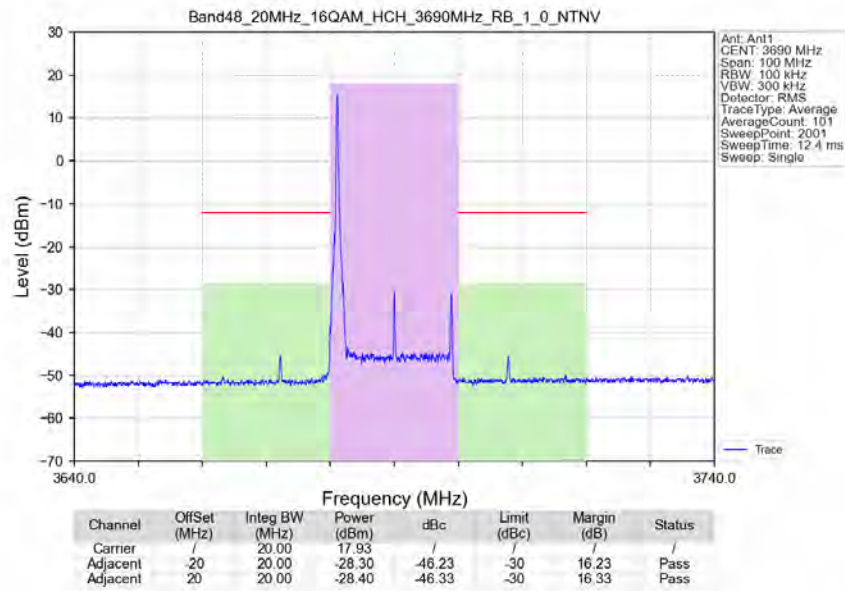
Band48 20MHz 16QAM MCH 3625MHz RB 1 99 NTN



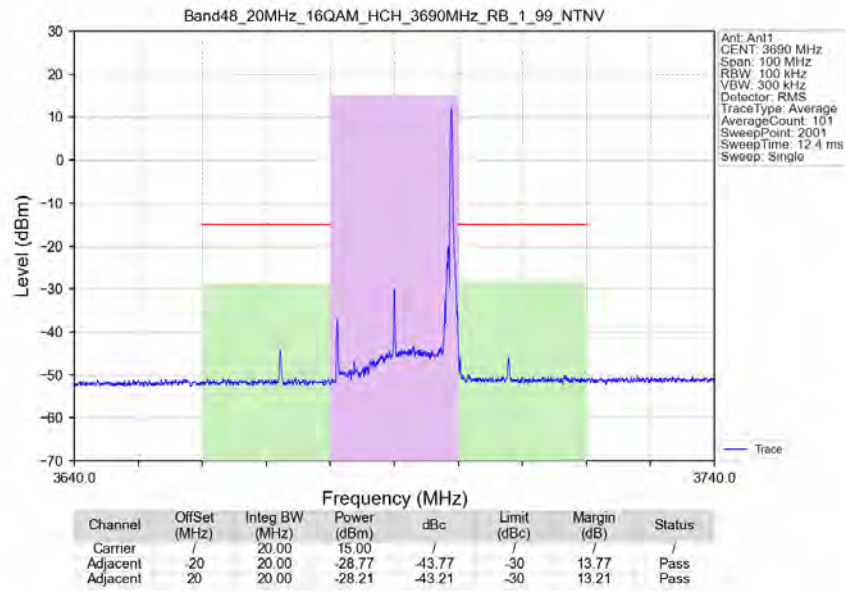
Band48 20MHz 16QAM MCH 3625MHz RB 100 0 NTNV



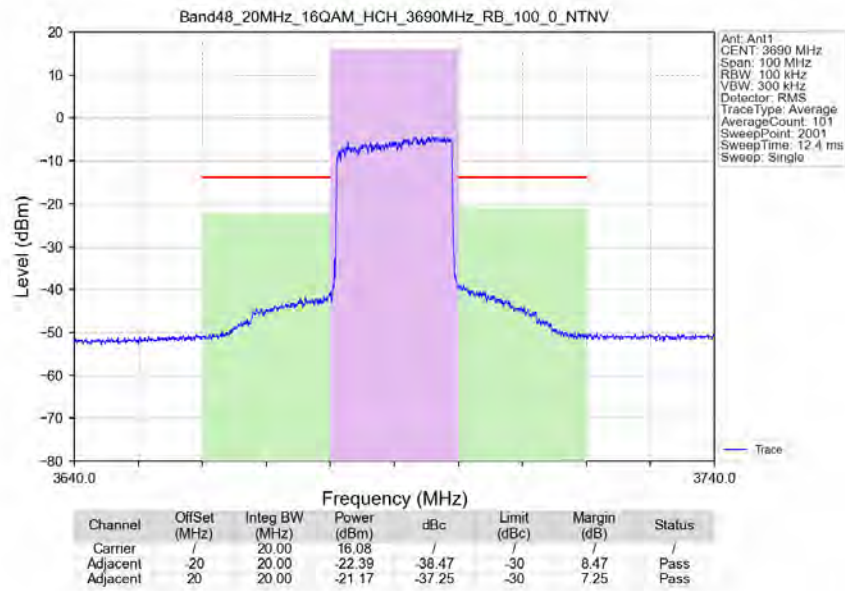
Band48 20MHz 16QAM HCH 3690MHz RB 1 0 NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 1_99 NTNV



Band48 20MHz 16QAM HCH 3690MHz RB 100_0 NTNV



6. Field Strength of Spurious Radiation

LTE Band 48-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7120.0	-55.15	-40	-15.15	-62.23	4.2	11.28	Horizontal	Pass
10680.0	-52.17	-40	-12.17	-60.26	5.08	13.17	Horizontal	Pass
14240.0	-47.41	-40	-7.41	-56.86	5.0	14.45	Horizontal	Pass
7120.0	-55.17	-40	-15.17	-62.25	4.2	11.28	Vertical	Pass
10680.0	-51.32	-40	-11.32	-59.41	5.08	13.17	Vertical	Pass
14240.0	-47.58	-40	-7.58	-57.03	5.0	14.45	Vertical	Pass

LTE Band 48-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7232.0	-56.62	-40	-16.62	-63.83	4.2	11.41	Horizontal	Pass
10848.0	-54.53	-40	-14.53	-62.68	5.07	13.22	Horizontal	Pass
14464.0	-47.45	-40	-7.45	-56.71	5.16	14.42	Horizontal	Pass
7232.0	-55.93	-40	-15.93	-63.14	4.2	11.41	Vertical	Pass
10848.0	-53.52	-40	-13.52	-61.67	5.07	13.22	Vertical	Pass
14464.0	-47.37	-40	-7.37	-56.63	5.16	14.42	Vertical	Pass

LTE Band 48-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7380.0	-55.26	-40	-15.26	-62.64	4.21	11.59	Horizontal	Pass
11070.0	-51.25	-40	-11.25	-59.45	5.07	13.27	Horizontal	Pass
14760.0	-47.61	-40	-7.61	-56.7	5.38	14.47	Horizontal	Pass
7380.0	-54.72	-40	-14.72	-62.1	4.21	11.59	Vertical	Pass
11070.0	-51.02	-40	-11.02	-59.22	5.07	13.27	Vertical	Pass
14760.0	-47.05	-40	-7.05	-56.14	5.38	14.47	Vertical	Pass