

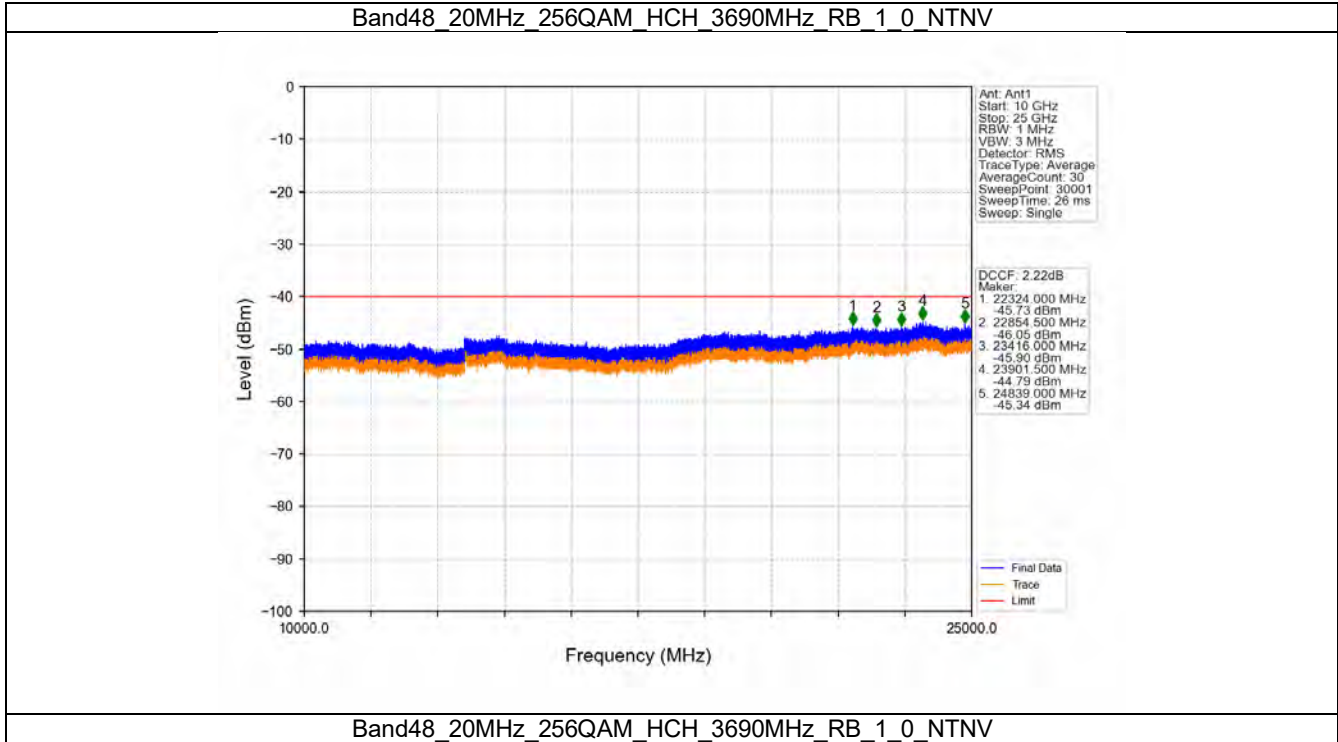


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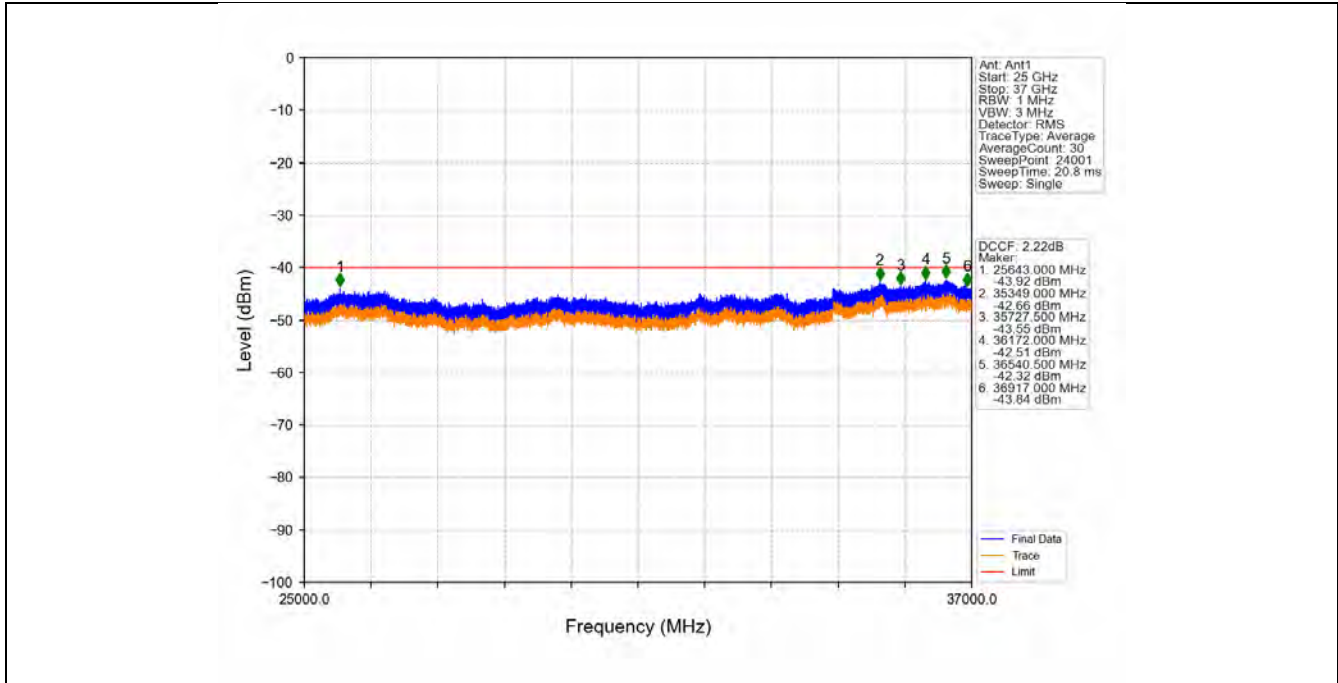


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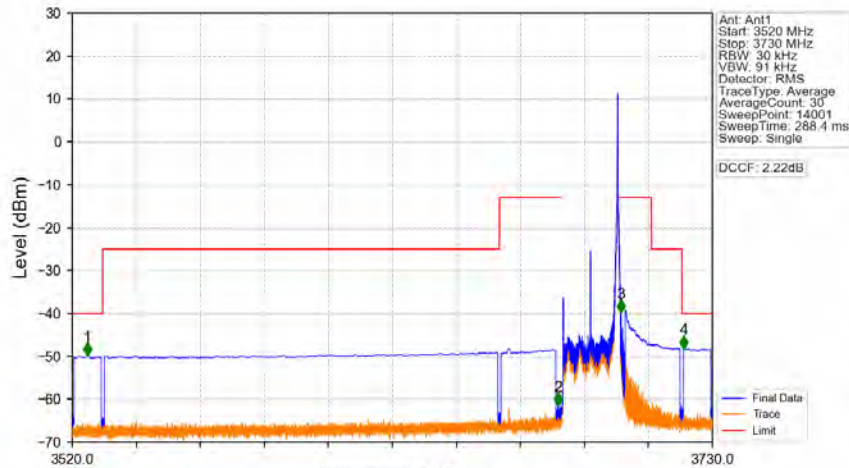
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Band48_20MHz_256QAM_HCH_3690MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.132	1	CHP	1	3524.965	-49.94	-40	Pass
3679.132	3680.132	0.03	/	2	3679.360	-61.49	-13	Pass
3680.132	3699.868	0.03	/	/	/	/	/	/
3699.868	3700.868	0.03	/	3	3699.925	-39.83	-13	Pass
3700.868	3730	1	CHP	4	3720.685	-48.24	-40	Pass

Band48_20MHz_256QAM_HCH_3690MHz_RB_100_0_NTNV



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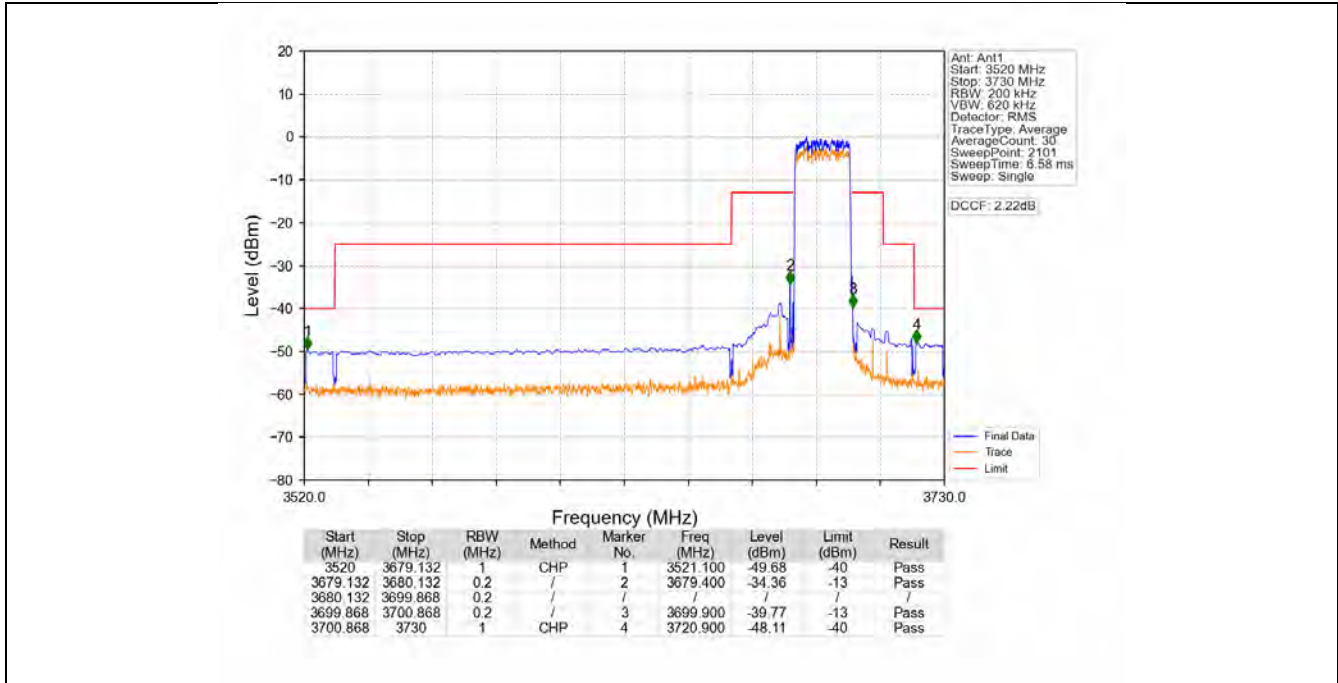


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6. Field Strength of Spurious Radiation

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
7102	-58.66	-40	-18.66	-65.6	4.19	11.13	Horizontal	Pass
10653	-55.34	-40	-15.34	-63.385	5.08	13.12	Horizontal	Pass
14204	-51.96	-40	-11.96	-61.62	4.82	14.48	Horizontal	Pass
7102	-57.31	-40	-17.31	-64.25	4.19	11.13	Vertical	Pass
10653	-53.95	-40	-13.95	-61.995	5.08	13.12	Vertical	Pass
14204	-50.92	-40	-10.92	-60.58	4.82	14.48	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	-58.85	-40	-18.85	-65.79	4.19	11.13	Horizontal	Pass
10848	-54.68	-40	-14.68	-62.725	5.08	13.12	Horizontal	Pass
14464	-50.48	-40	-10.48	-60.14	4.82	14.48	Horizontal	Pass
7232	-58.81	-40	-18.81	-65.75	4.19	11.13	Vertical	Pass
10848	-54.7	-40	-14.7	-62.745	5.08	13.12	Vertical	Pass
14464	-51.09	-40	-11.09	-60.75	4.82	14.48	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
7362	-58.29	-40	-18.29	-65.23	4.19	11.13	Horizontal	Pass
11043	-53.2	-40	-13.2	-61.4	5.07	13.27	Horizontal	Pass
14724	-48.88	-40	-8.88	-58.11	5.19	14.42	Horizontal	Pass
7362	-58.05	-40	-18.05	-64.99	4.19	11.13	Vertical	Pass
11043	-53.16	-40	-13.16	-61.36	5.07	13.27	Vertical	Pass
14724	-49.84	-40	-9.84	-59.07	5.19	14.42	Vertical	Pass



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7. Adjacent Channel Leakage Ratio

7.1 B48_5MHz

7.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	25	0	Refer To Test Graph		Pass
	3625	25	0	Refer To Test Graph		Pass
	3697.5	25	0	Refer To Test Graph		Pass
16QAM	3552.5	25	0	Refer To Test Graph		Pass
	3625	25	0	Refer To Test Graph		Pass
	3697.5	25	0	Refer To Test Graph		Pass
64QAM	3552.5	25	0	Refer To Test Graph		Pass
	3625	25	0	Refer To Test Graph		Pass
	3697.5	25	0	Refer To Test Graph		Pass
256QAM	3552.5	25	0	Refer To Test Graph		Pass
	3625	25	0	Refer To Test Graph		Pass
	3697.5	25	0	Refer To Test Graph		Pass



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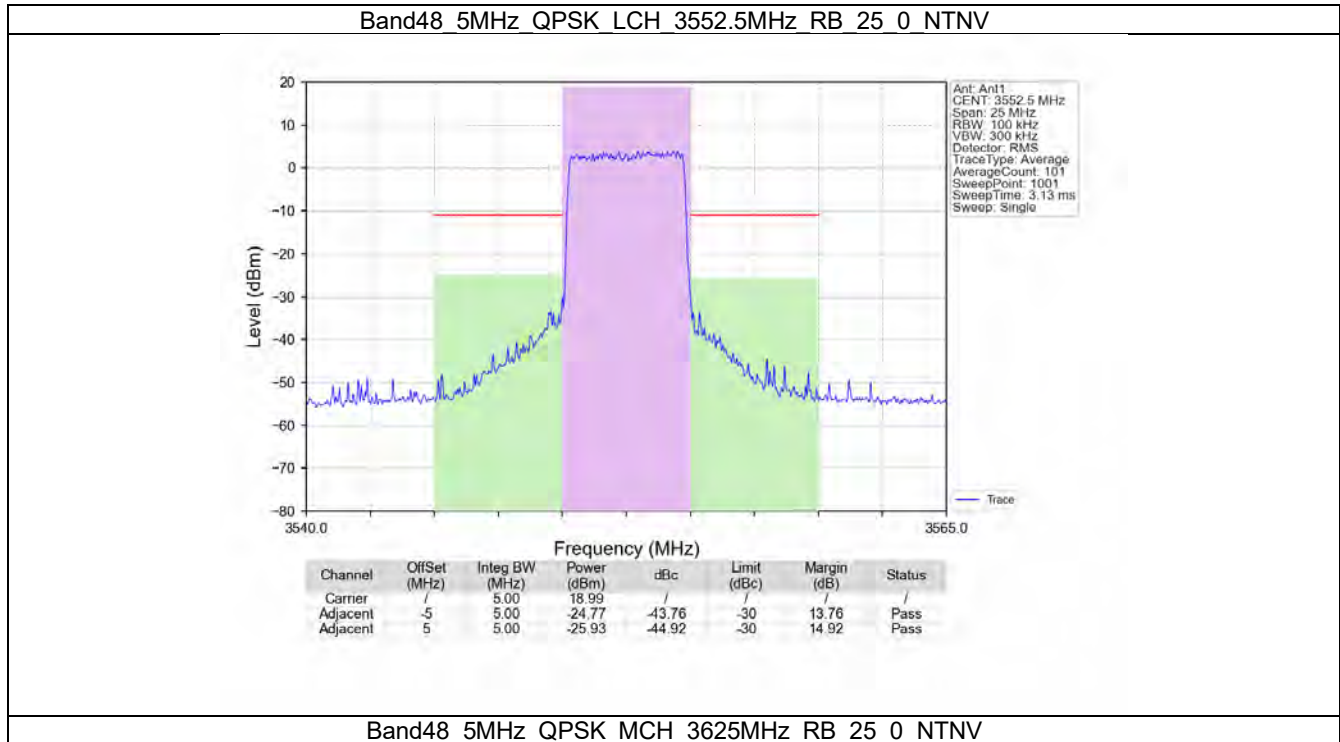
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7.1.2 Test Graph



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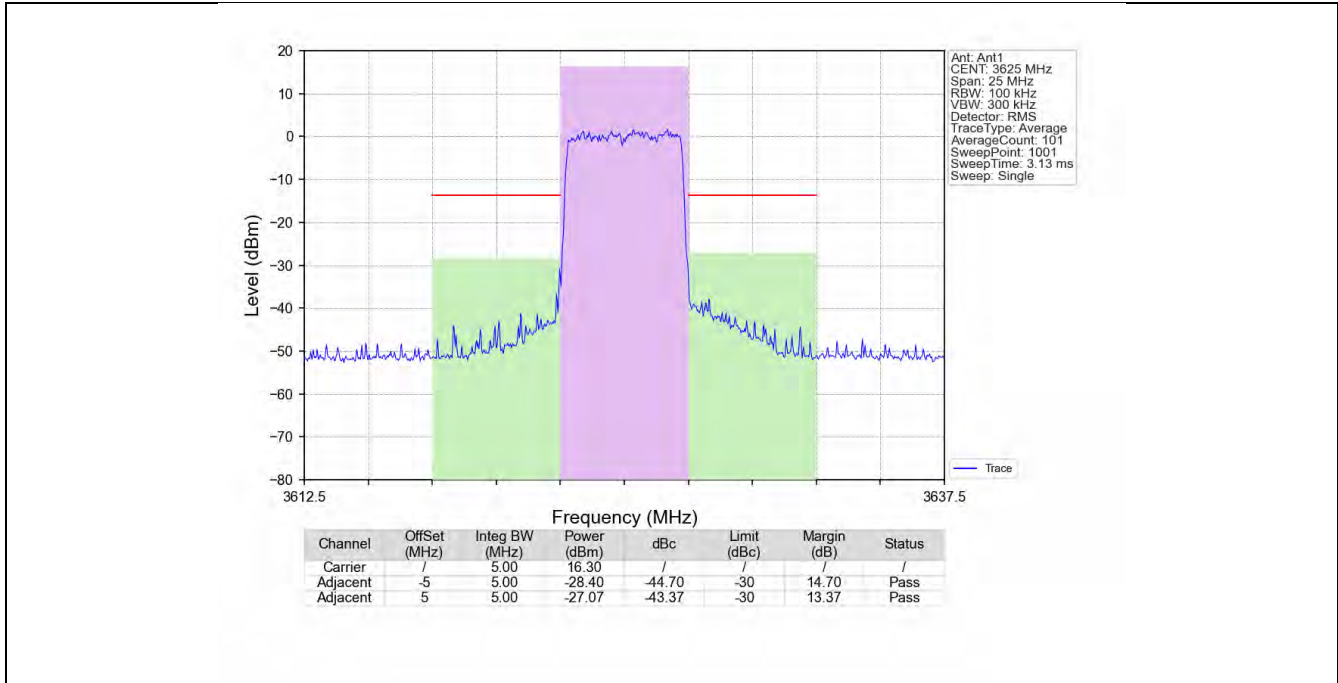


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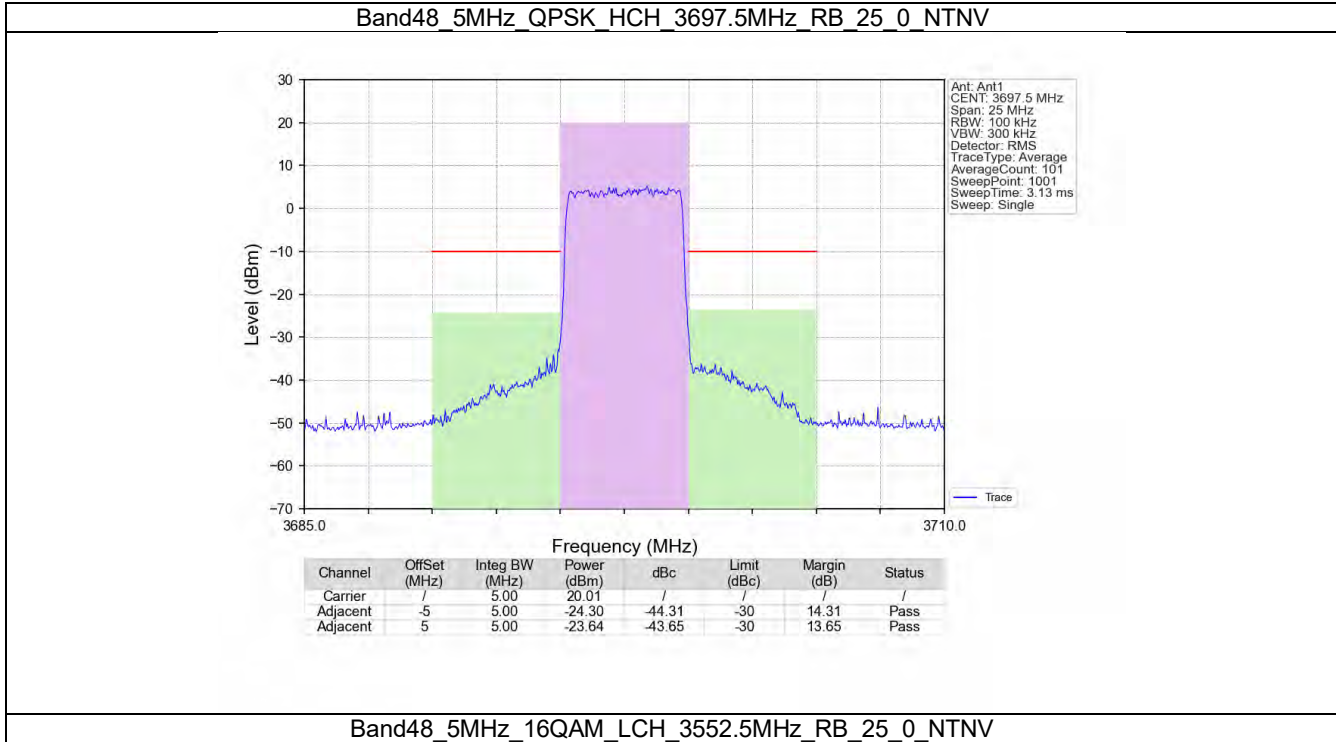


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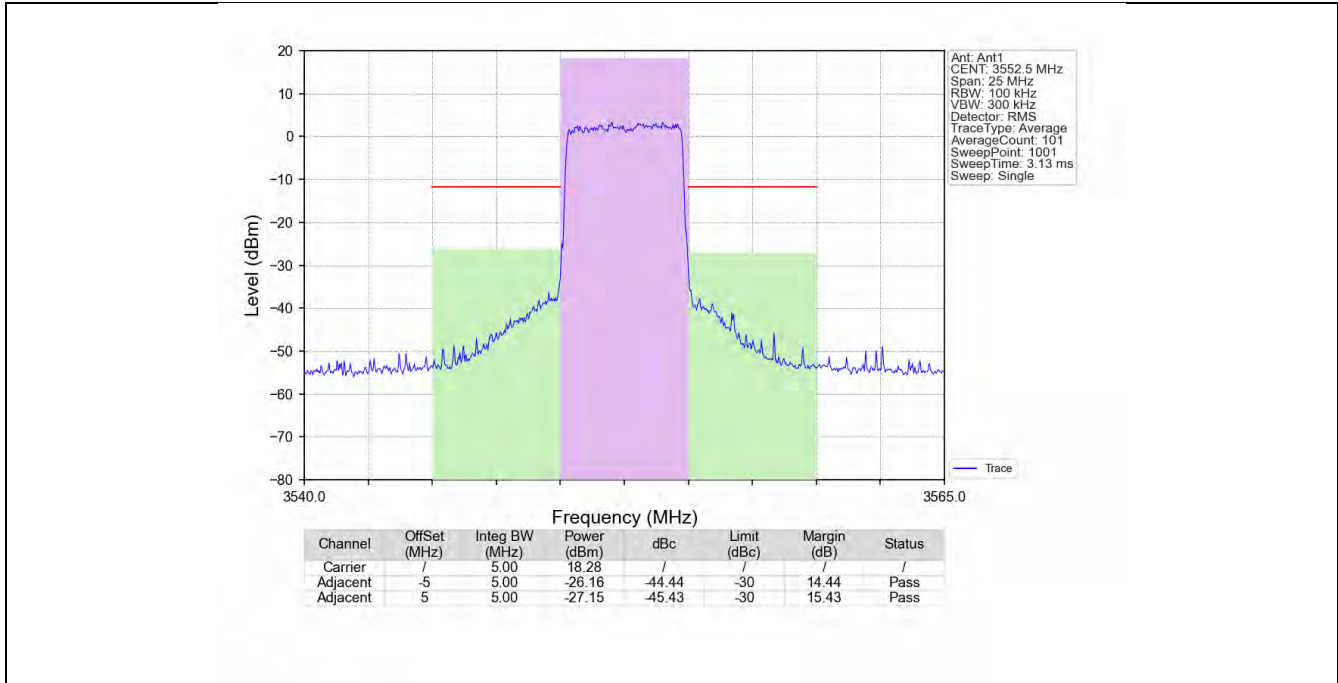


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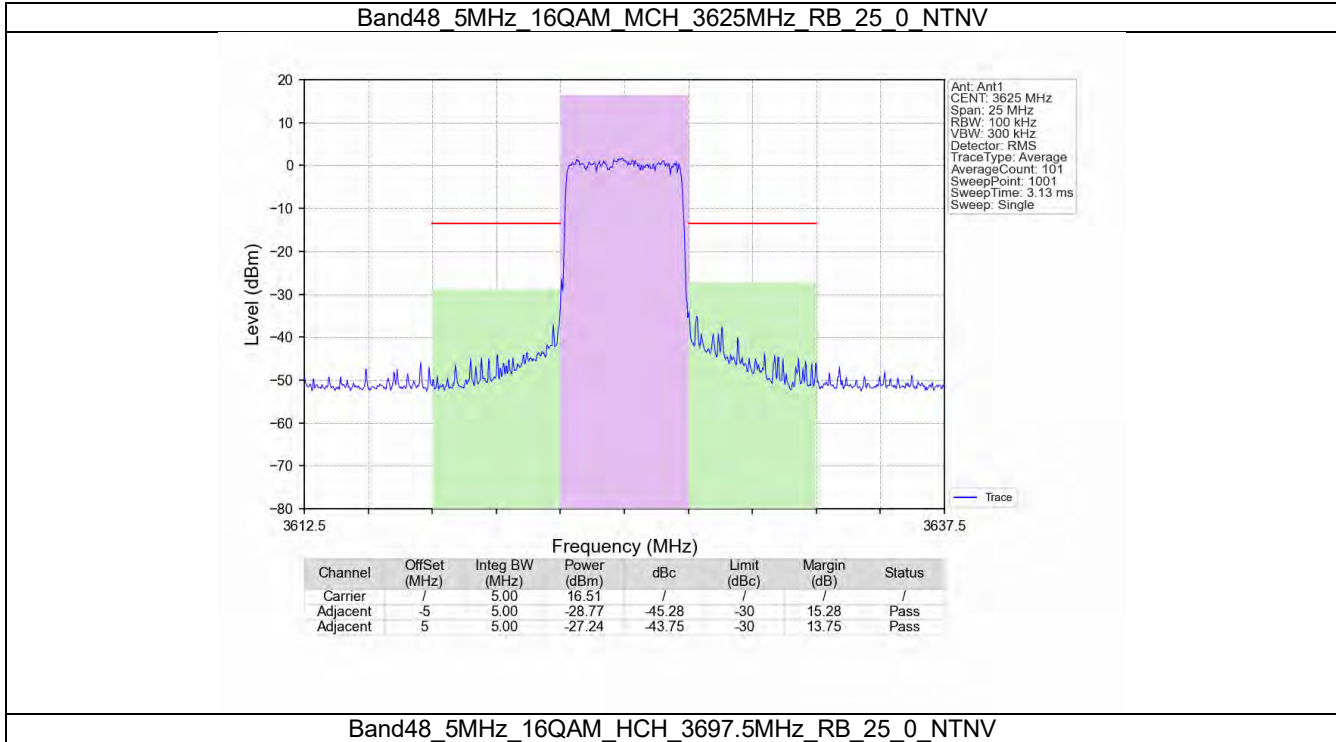


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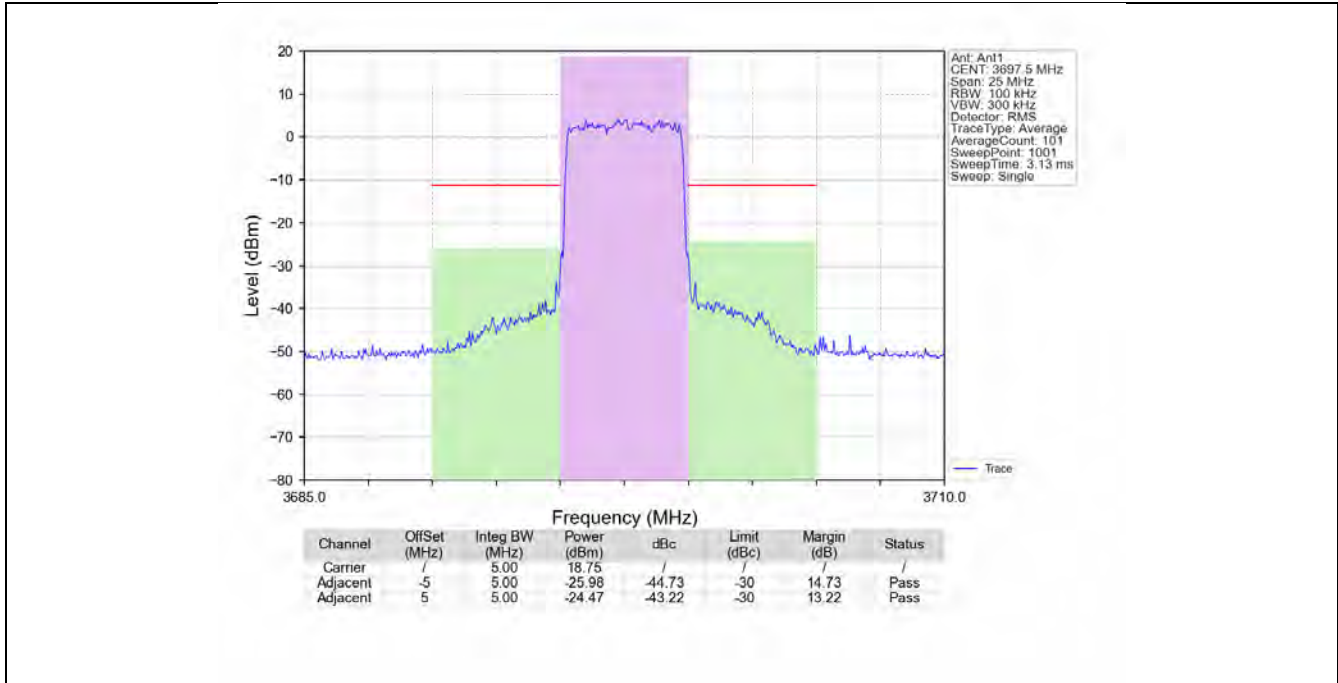


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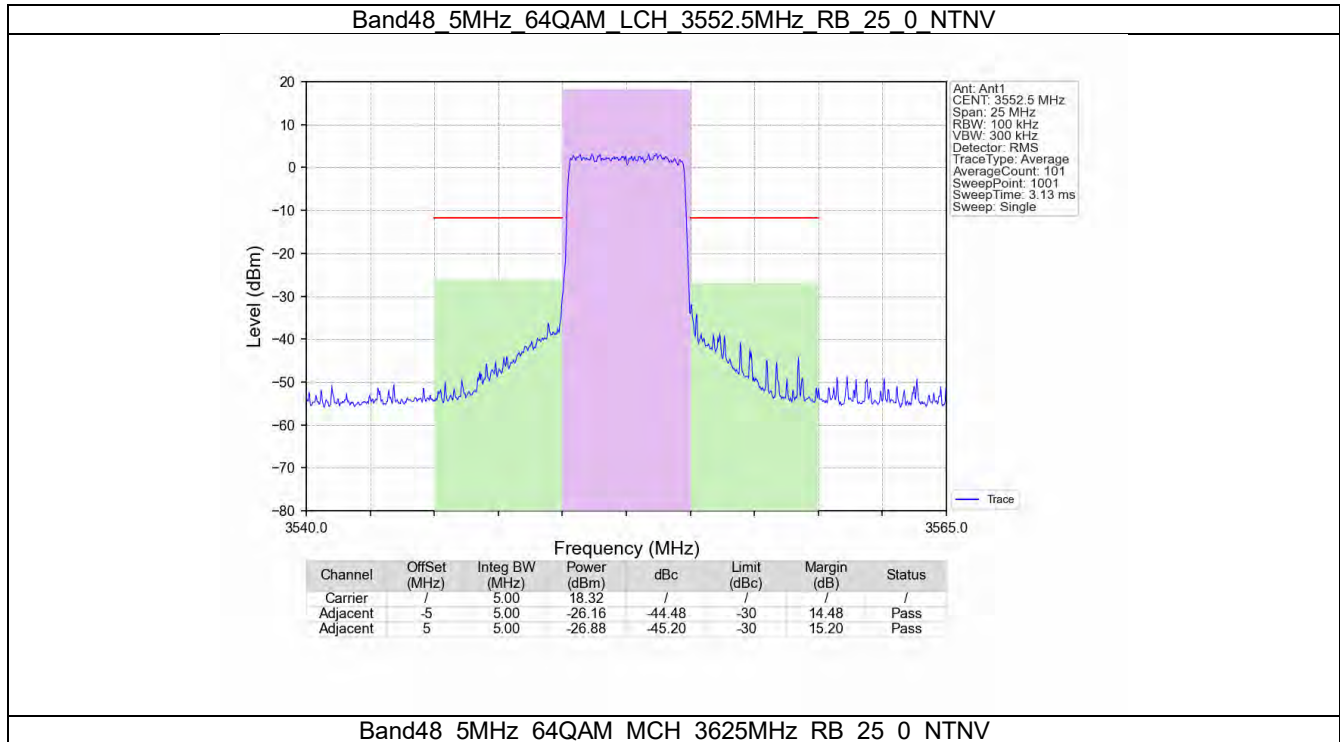


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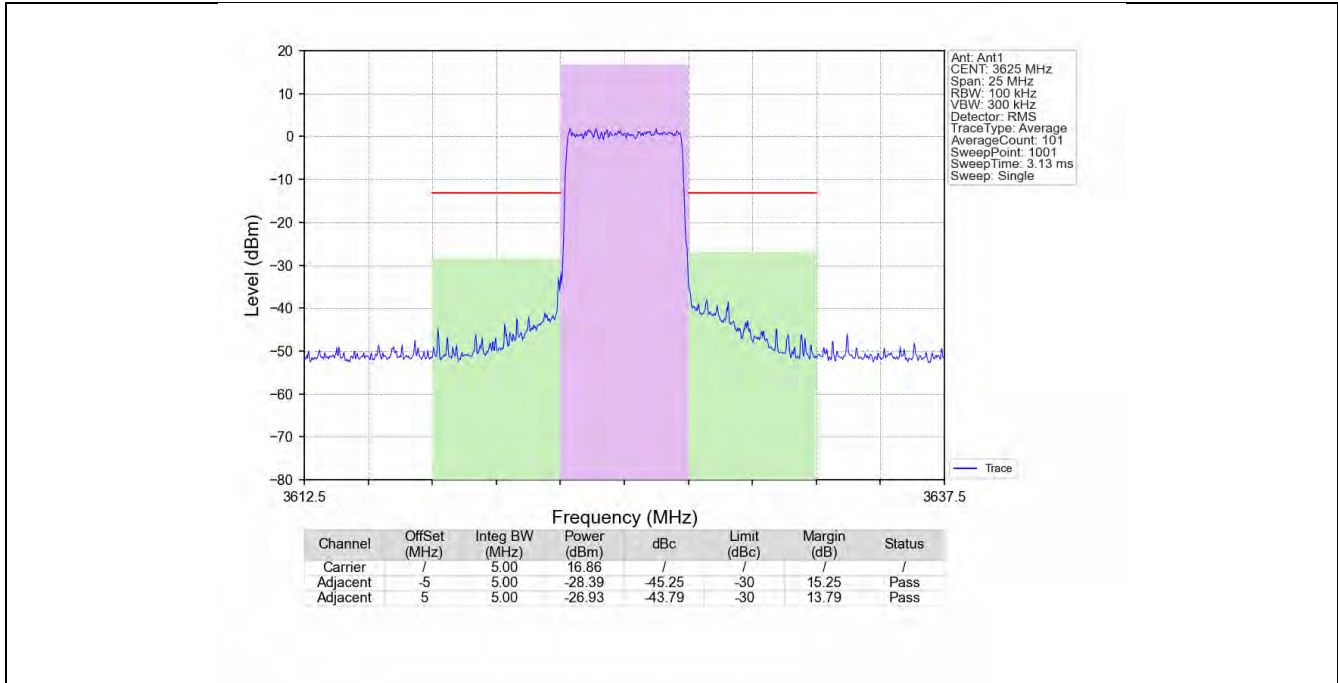


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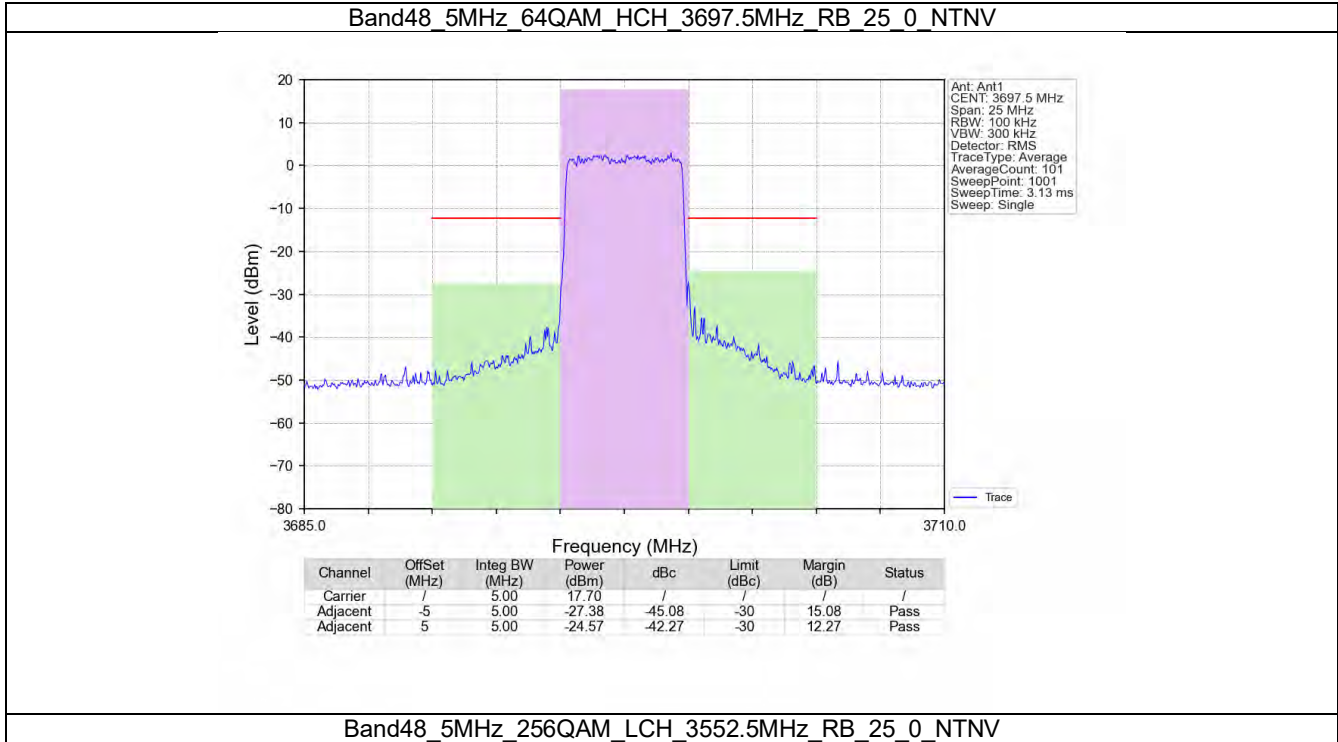


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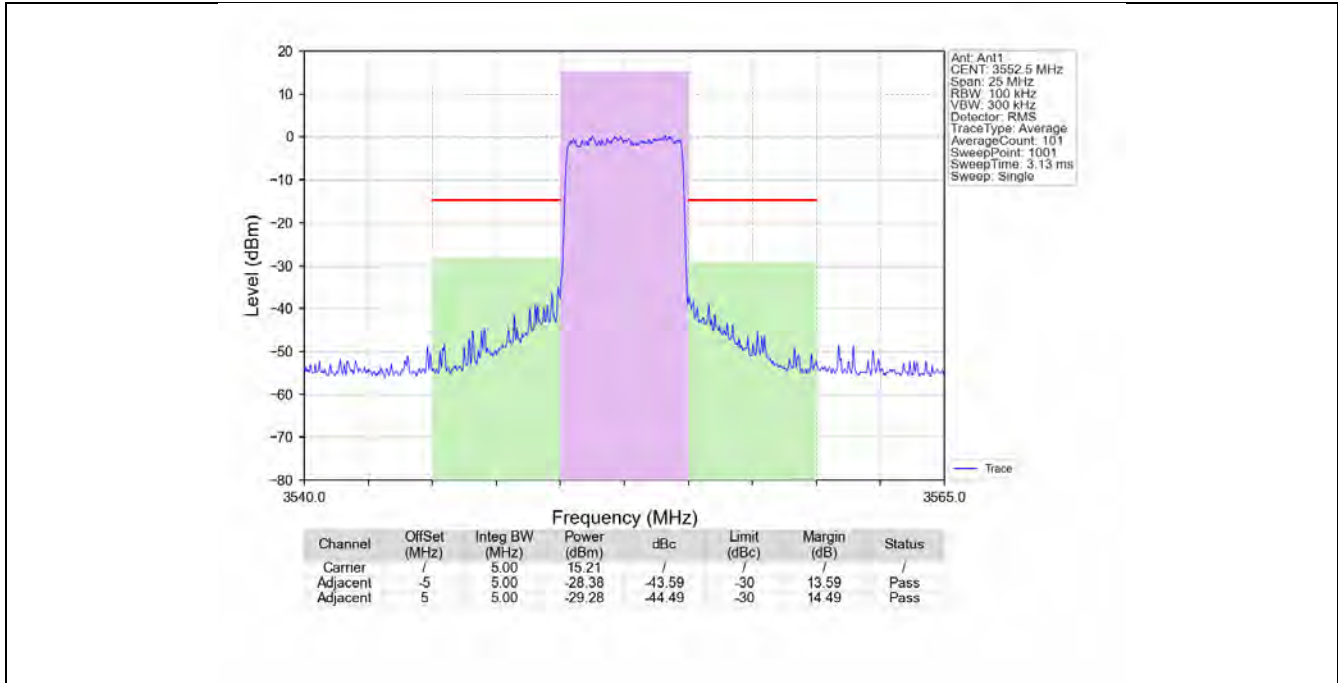


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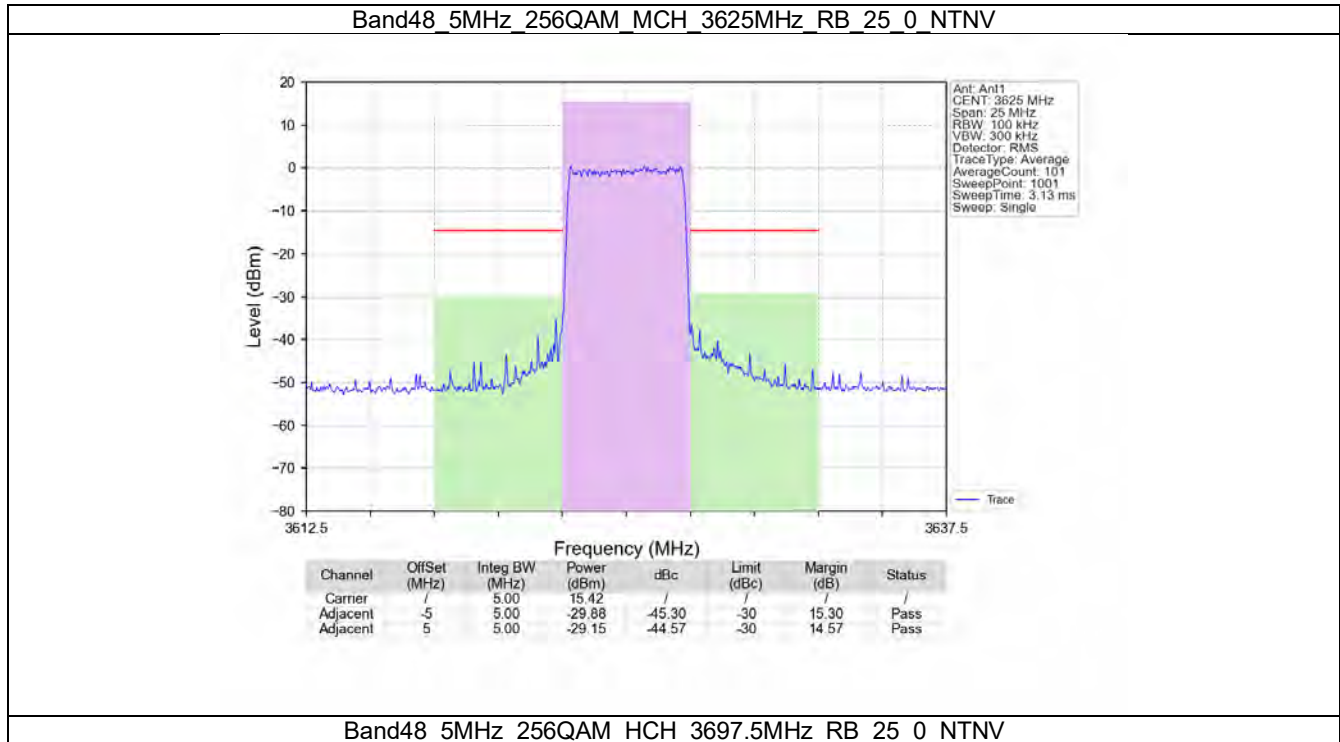


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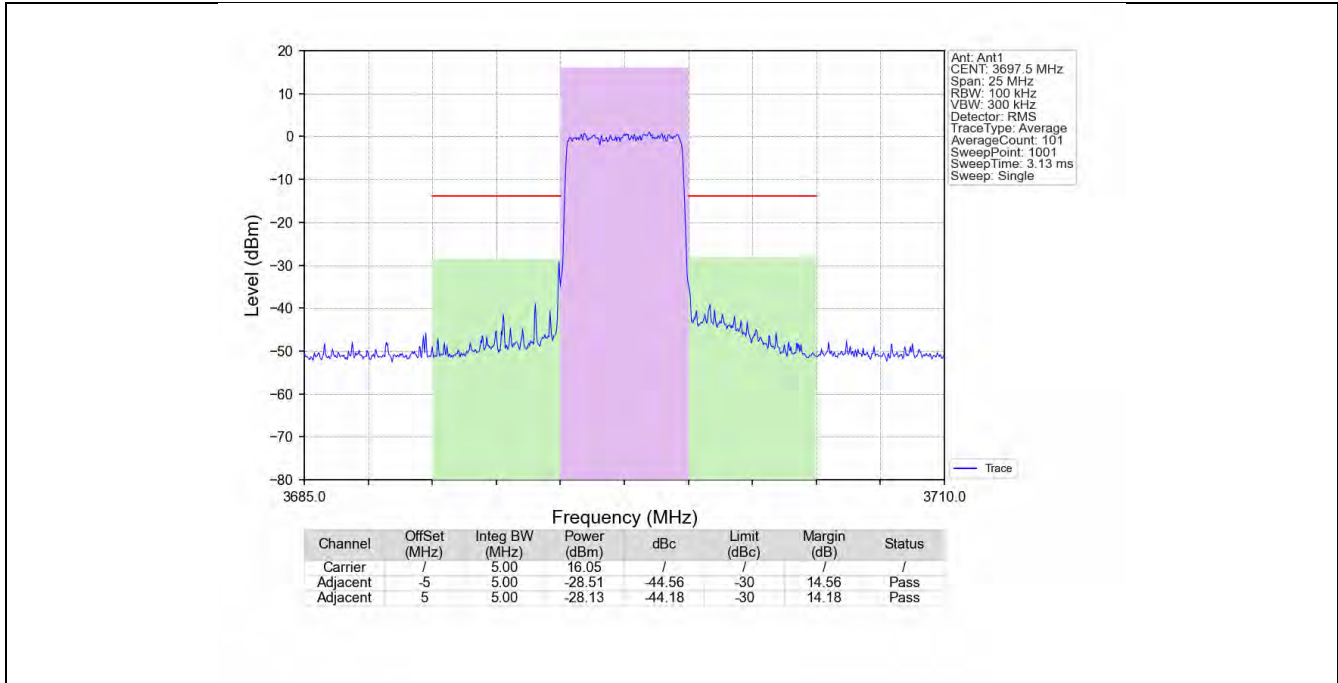


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7.2 B48_10MHz

7.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass
16QAM	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass
64QAM	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass
256QAM	3555	50	0	Refer To Test Graph		Pass
	3625	50	0	Refer To Test Graph		Pass
	3695	50	0	Refer To Test Graph		Pass



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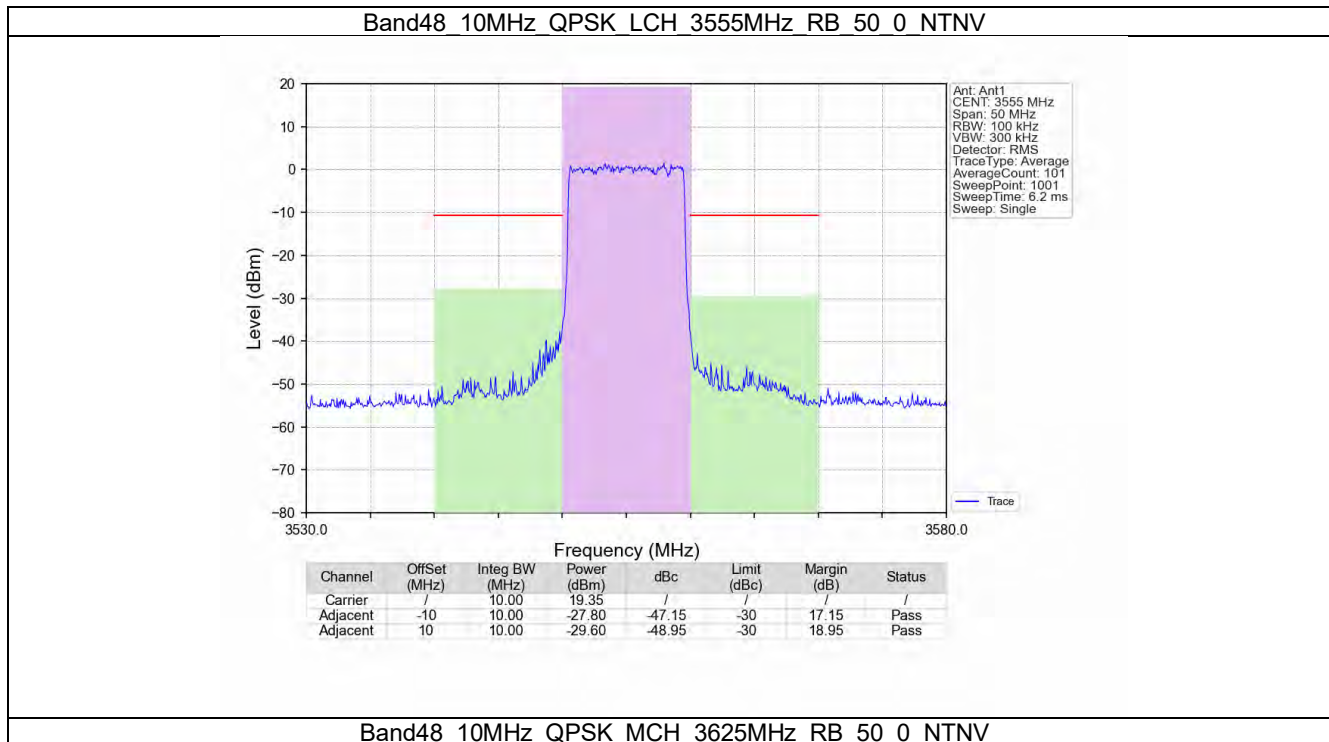
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7.2.2 Test Graph



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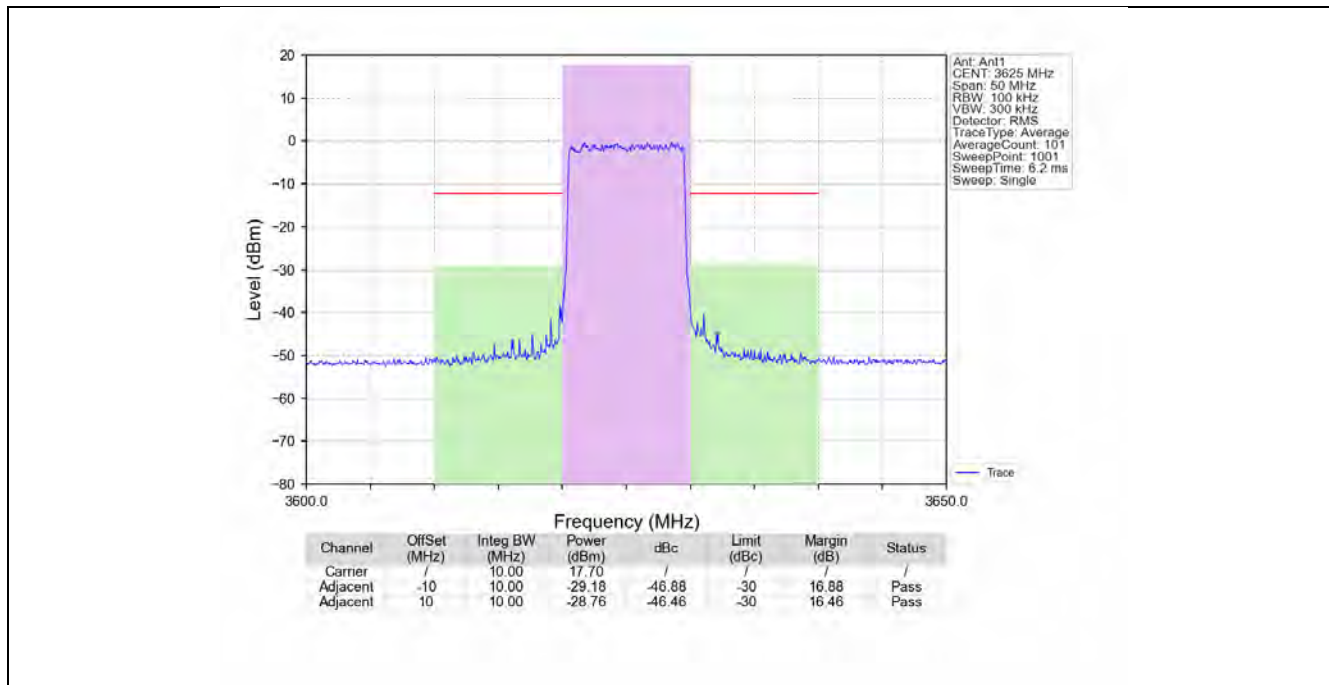
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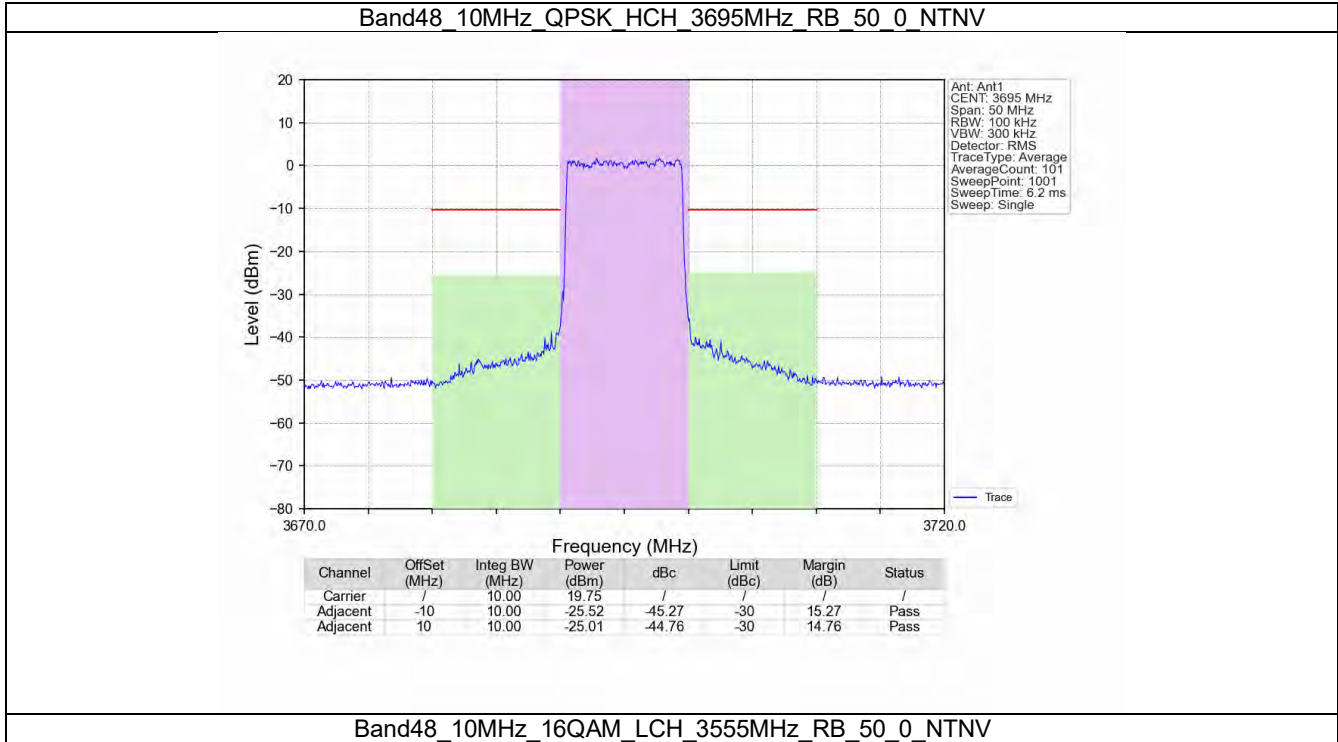


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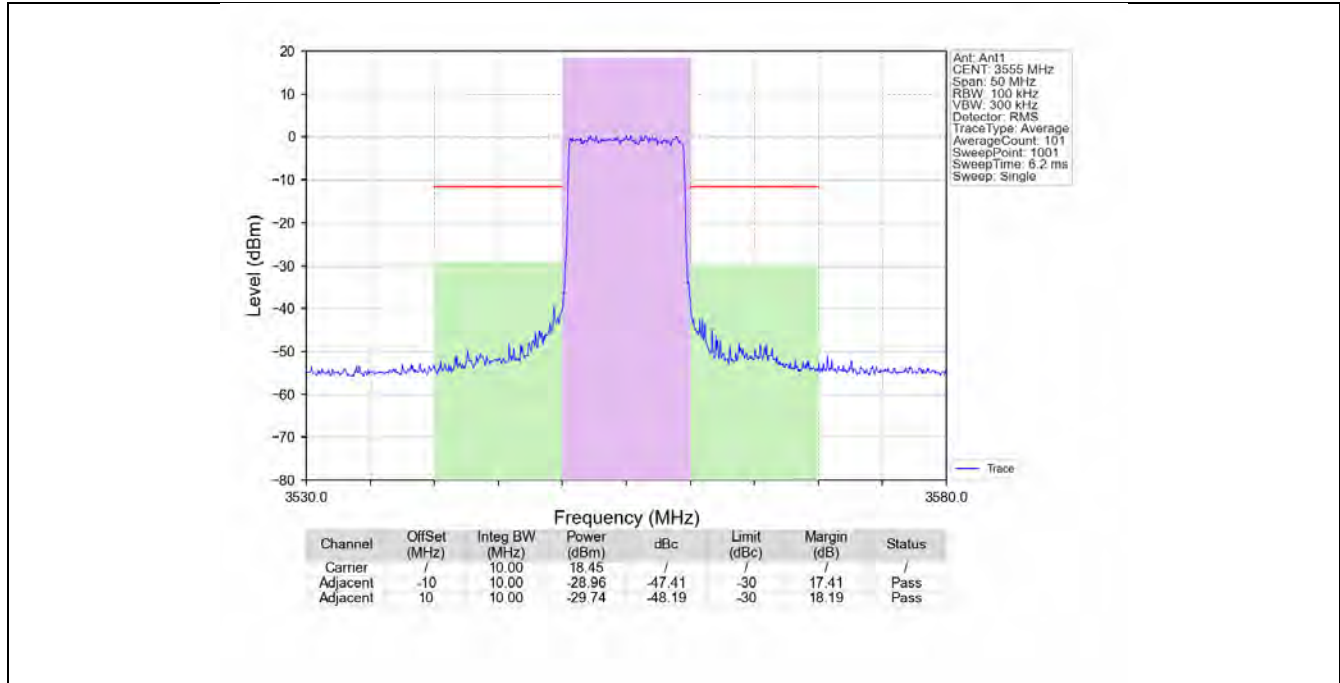


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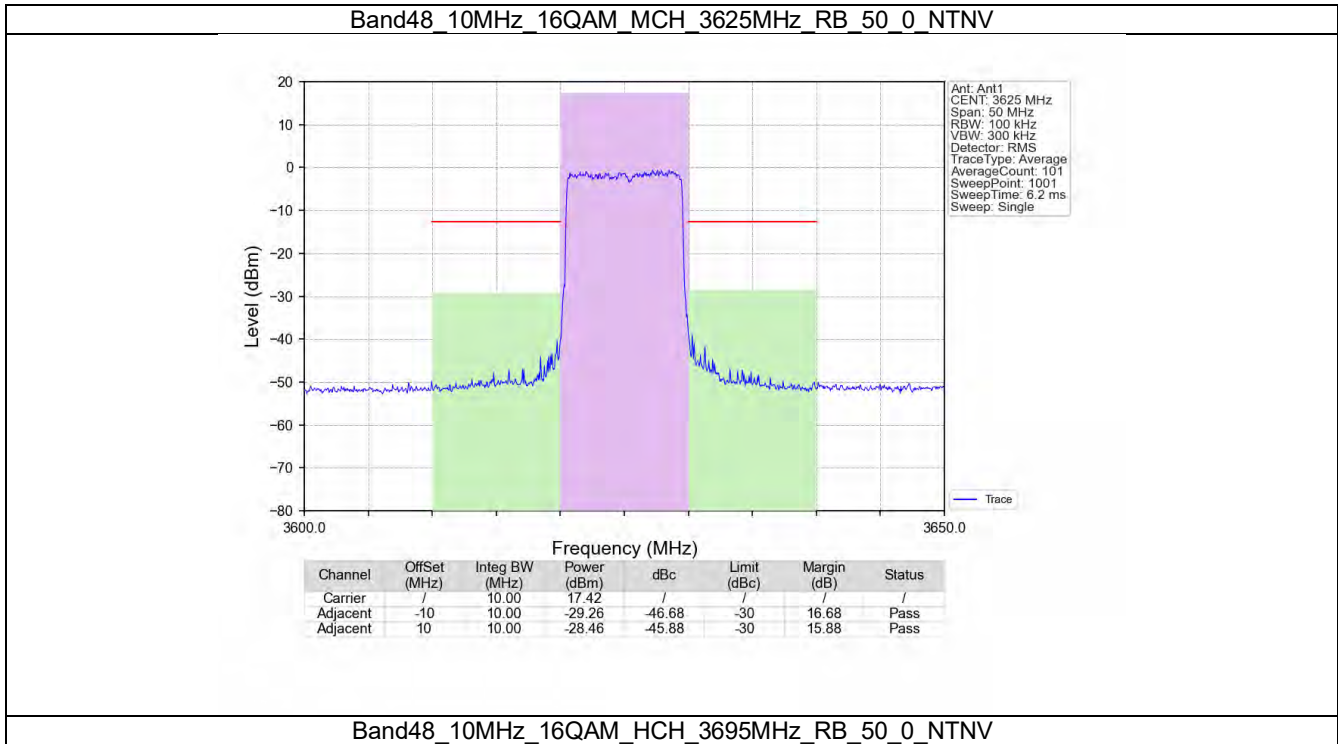


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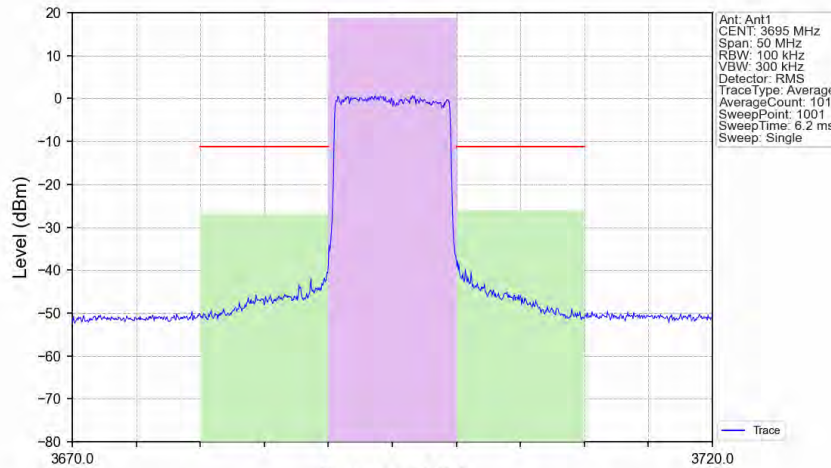


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Adjacent	-10	10.00	-26.91	-45.72	-30	15.72	Pass
Adjacent	10	10.00	-26.00	-44.81	-30	14.81	Pass



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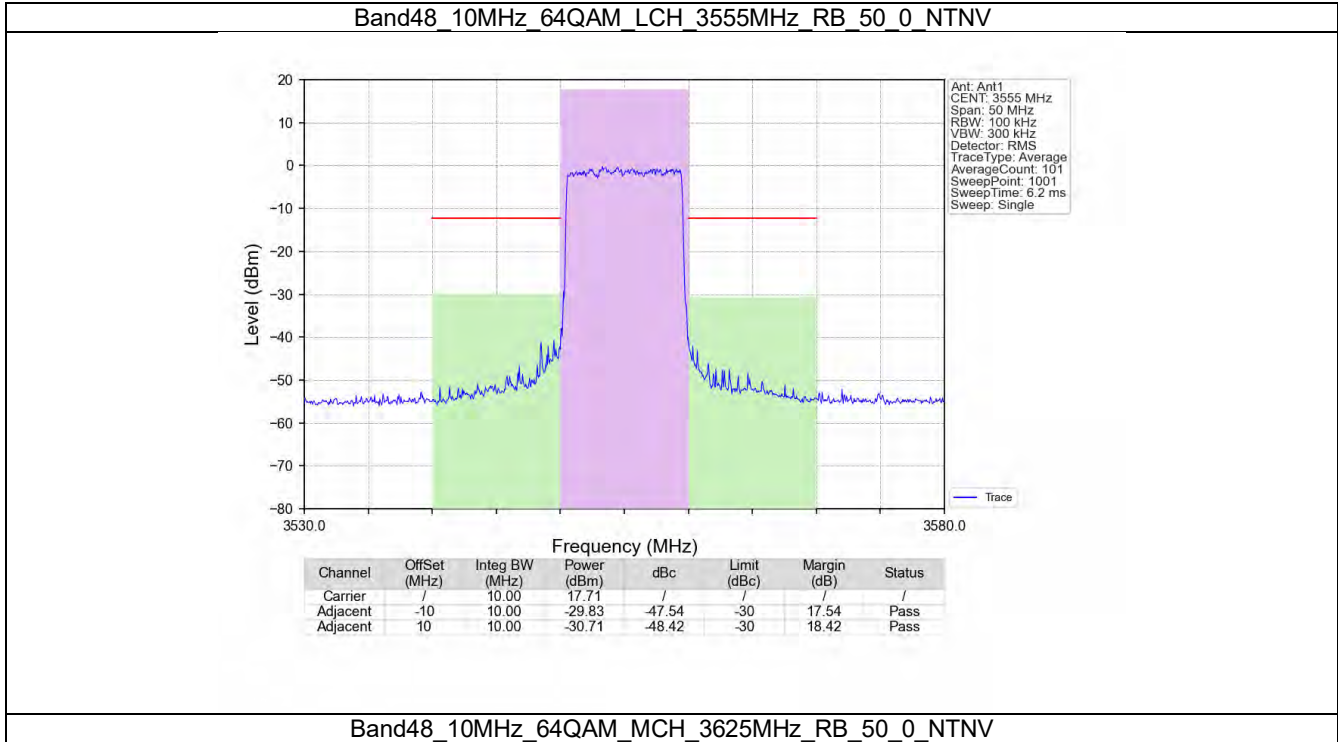


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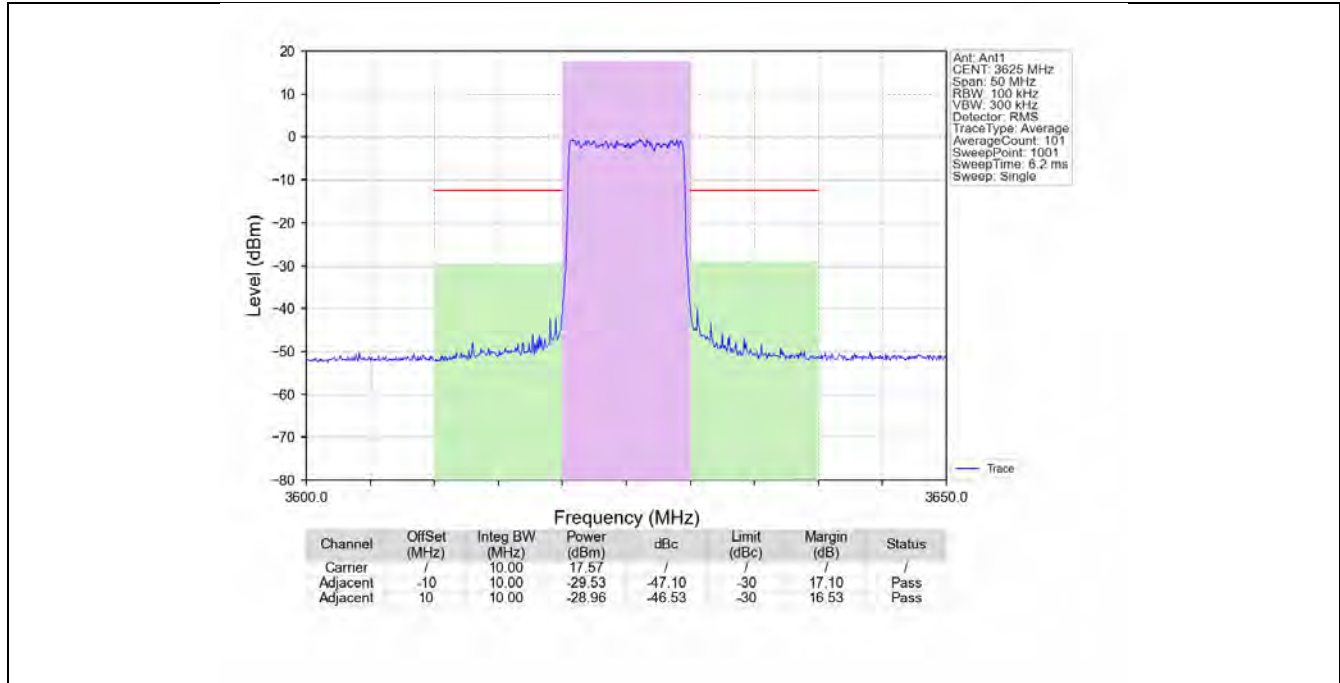


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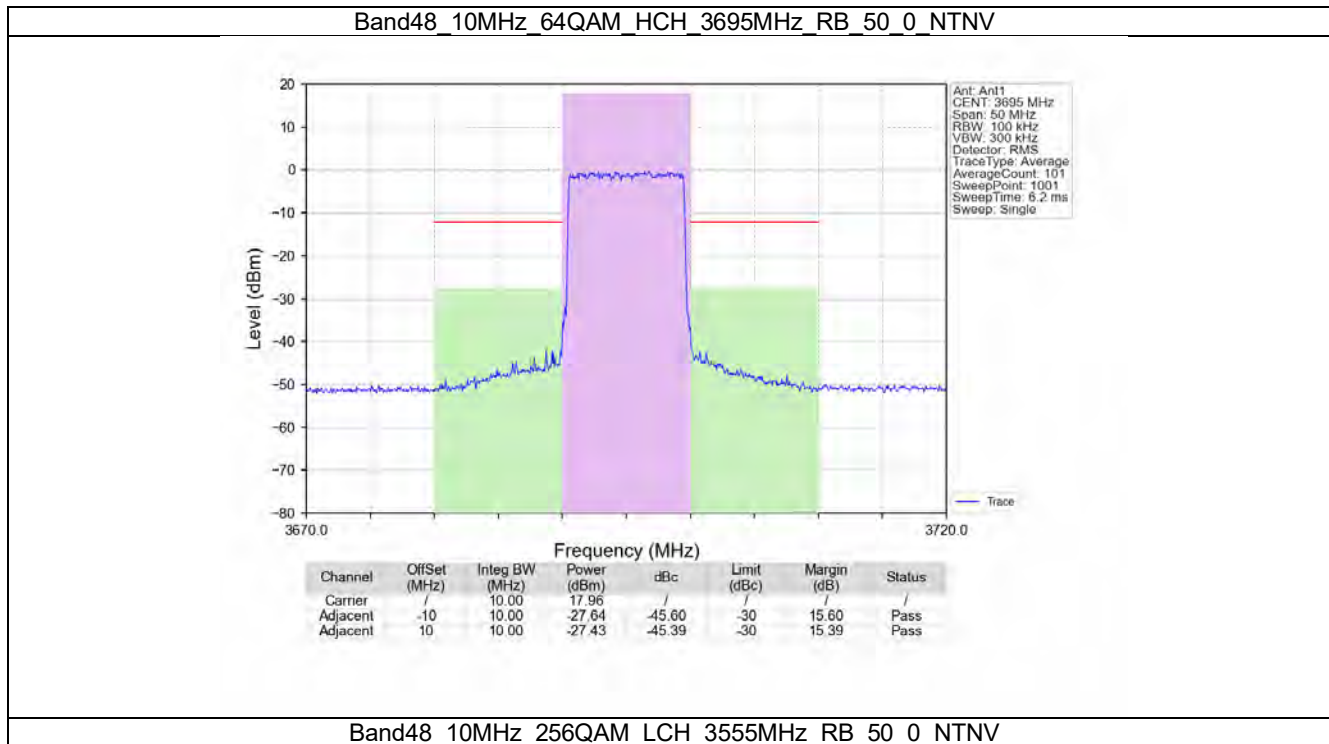
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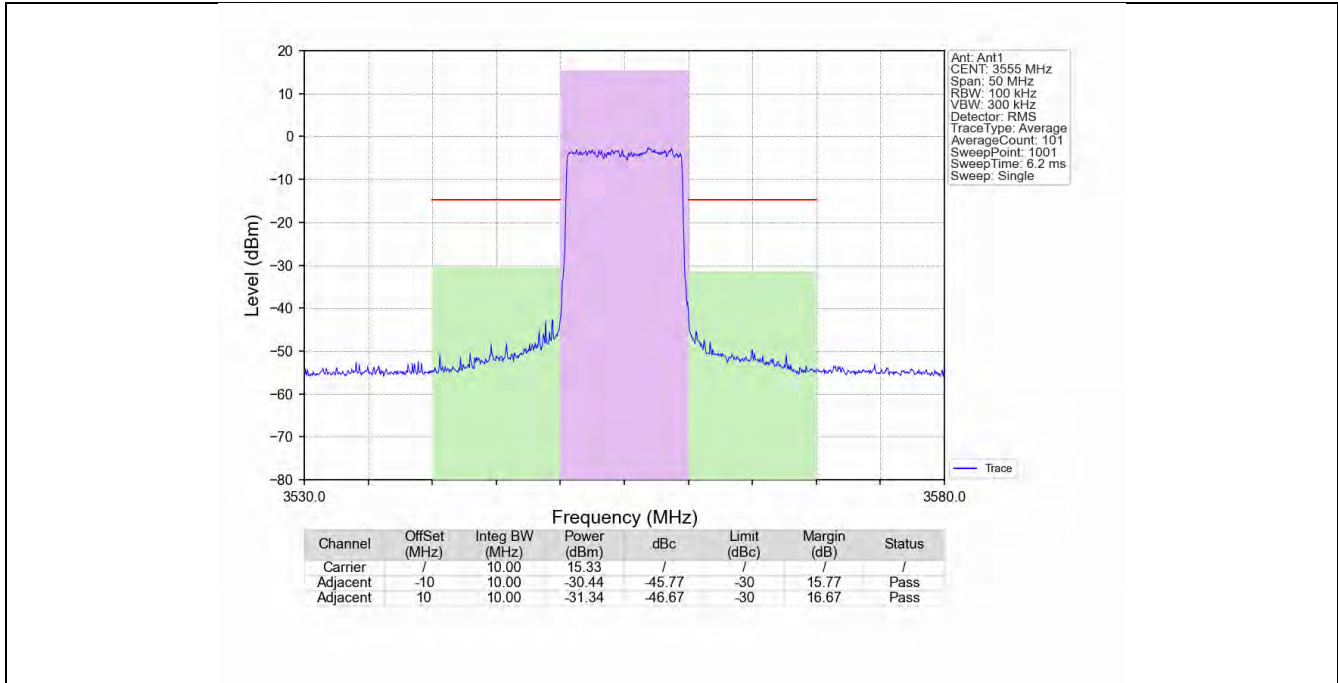


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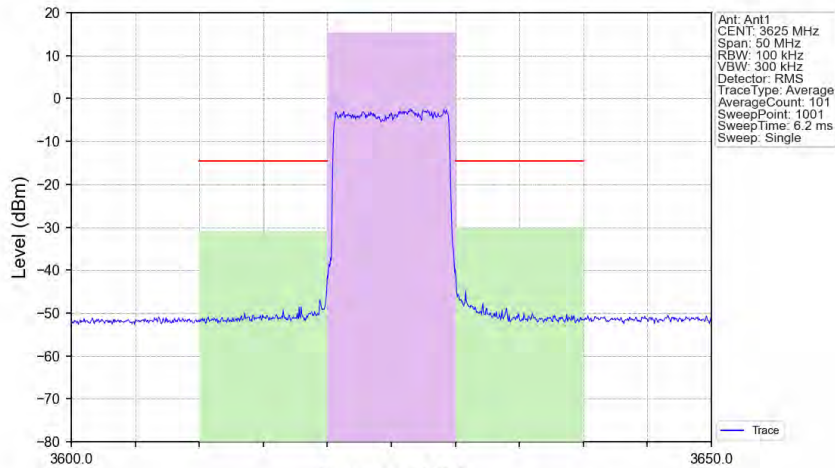
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Band48_10MHz_256QAM_MCH_3625MHz_RB_50_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	15.45	/	/	/	/
Adjacent	-10	10.00	-30.94	-46.39	-30	16.39	Pass
Adjacent	10	10.00	-30.25	-45.70	-30	15.70	Pass

Band48_10MHz_256QAM_HCH_3695MHz_RB_50_0_NTNV



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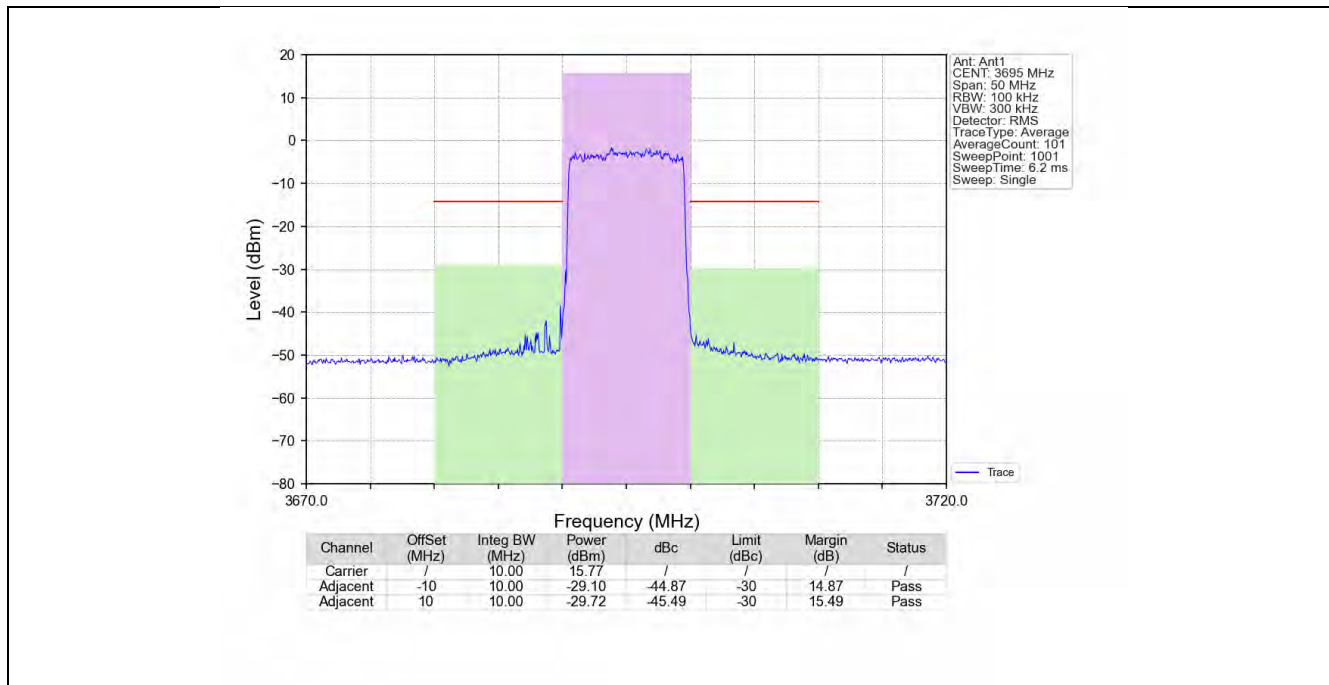
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7.3 B48_15MHz

7.3.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass
16QAM	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass
64QAM	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass
256QAM	3557.5	75	0	Refer To Test Graph		Pass
	3625	75	0	Refer To Test Graph		Pass
	3692.5	75	0	Refer To Test Graph		Pass



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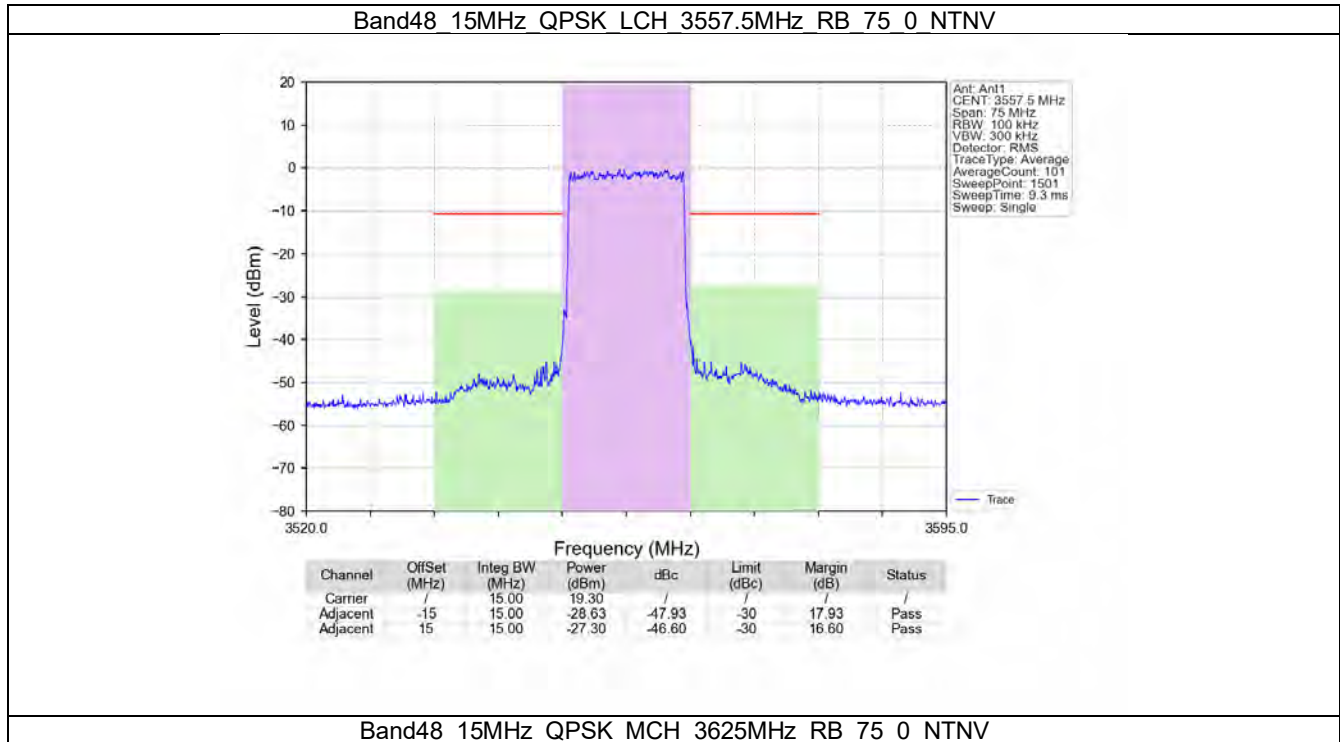
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7.3.2 Test Graph



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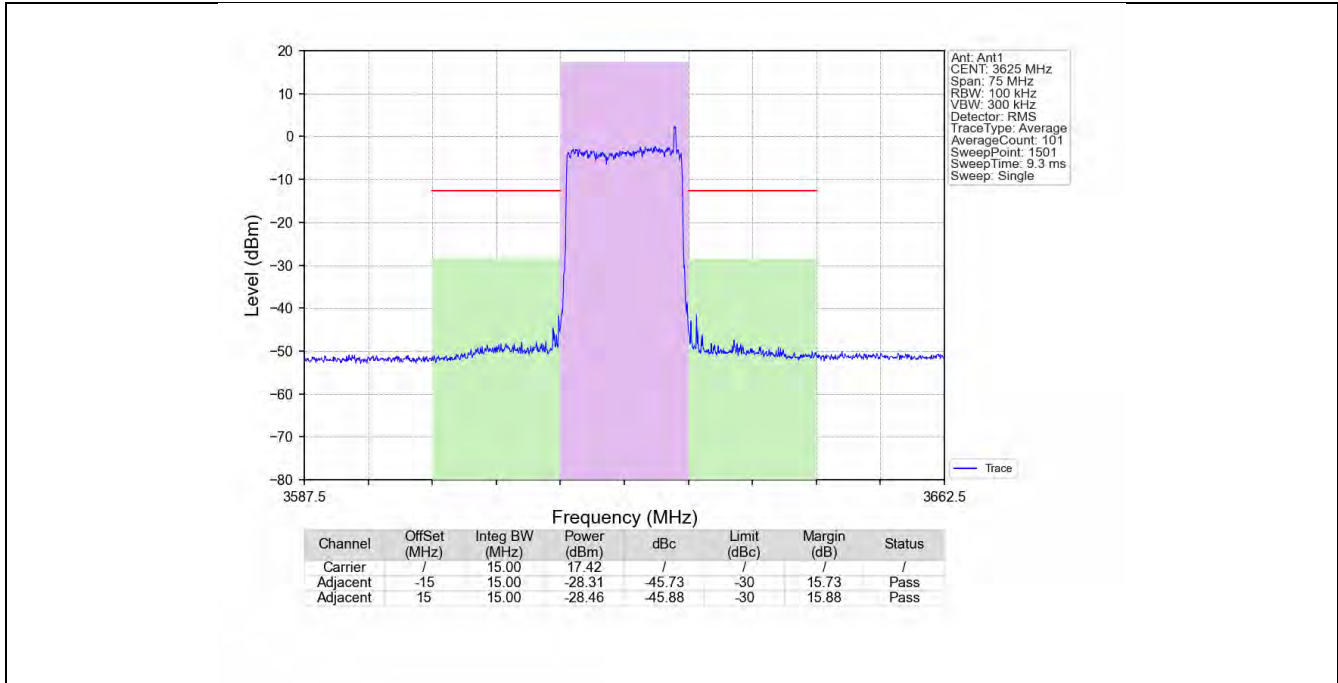


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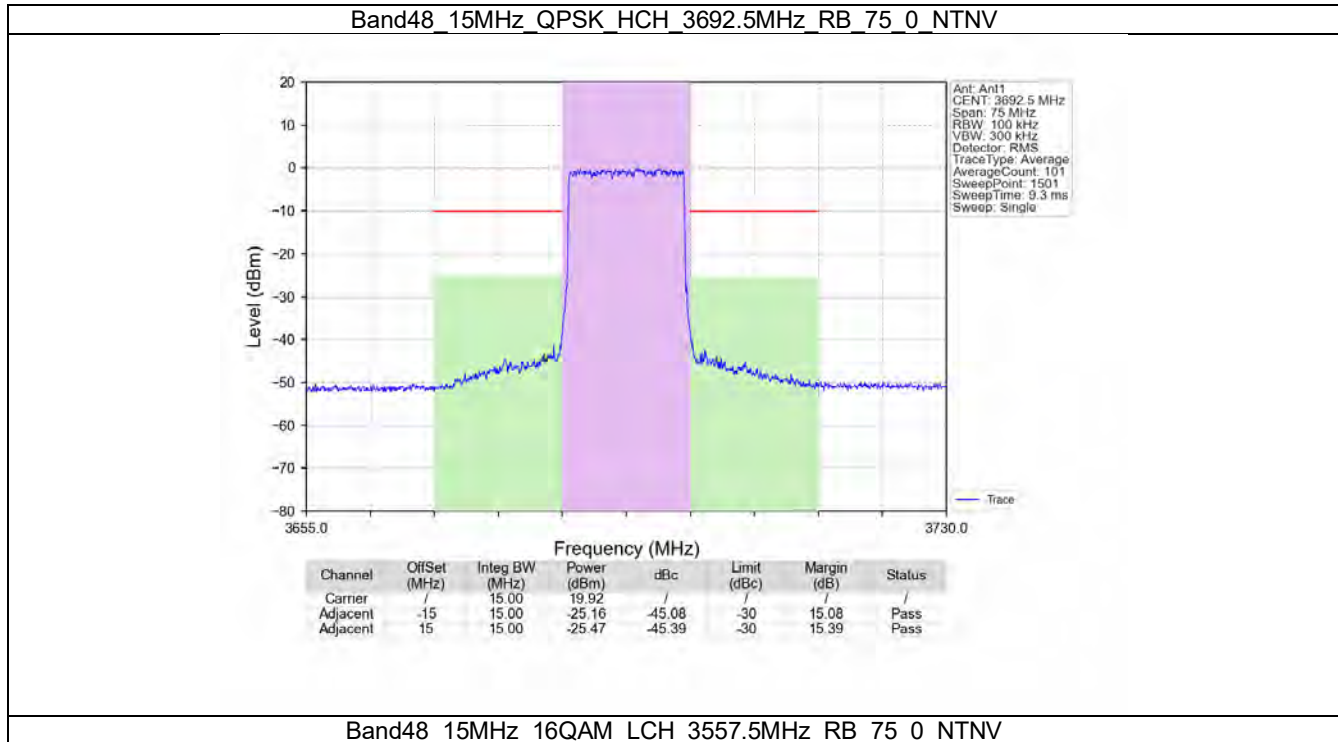


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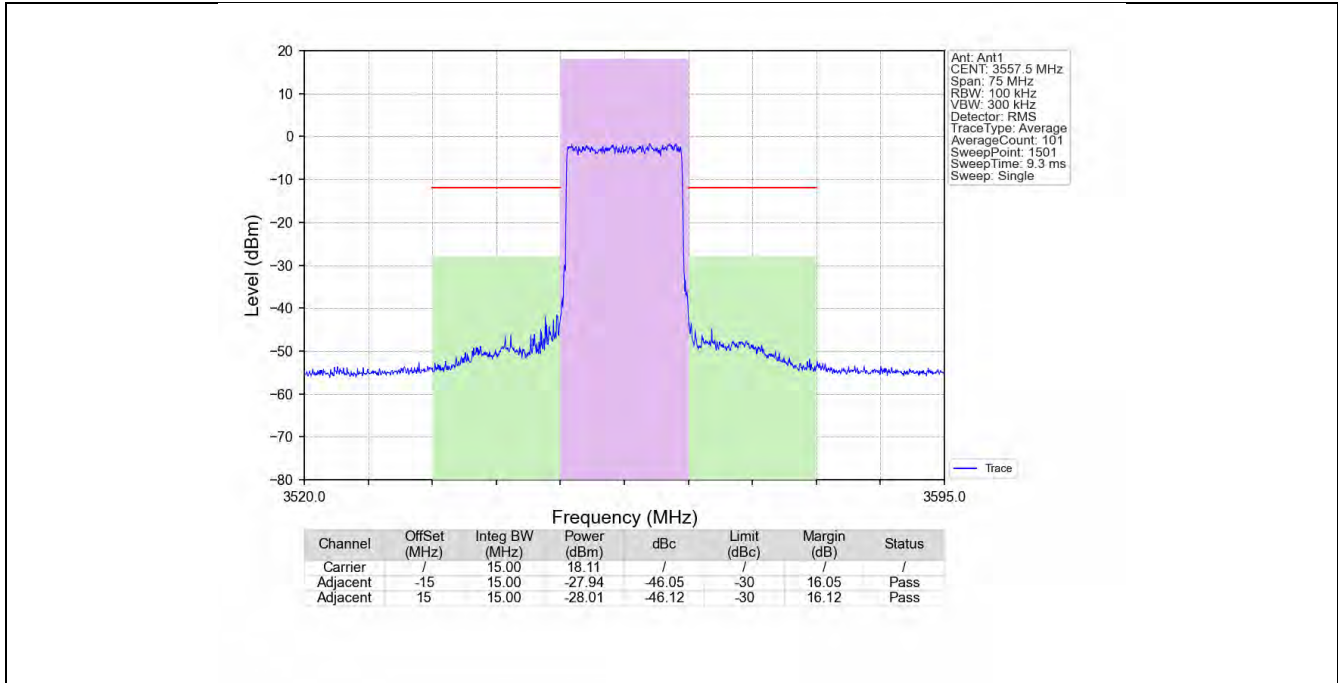


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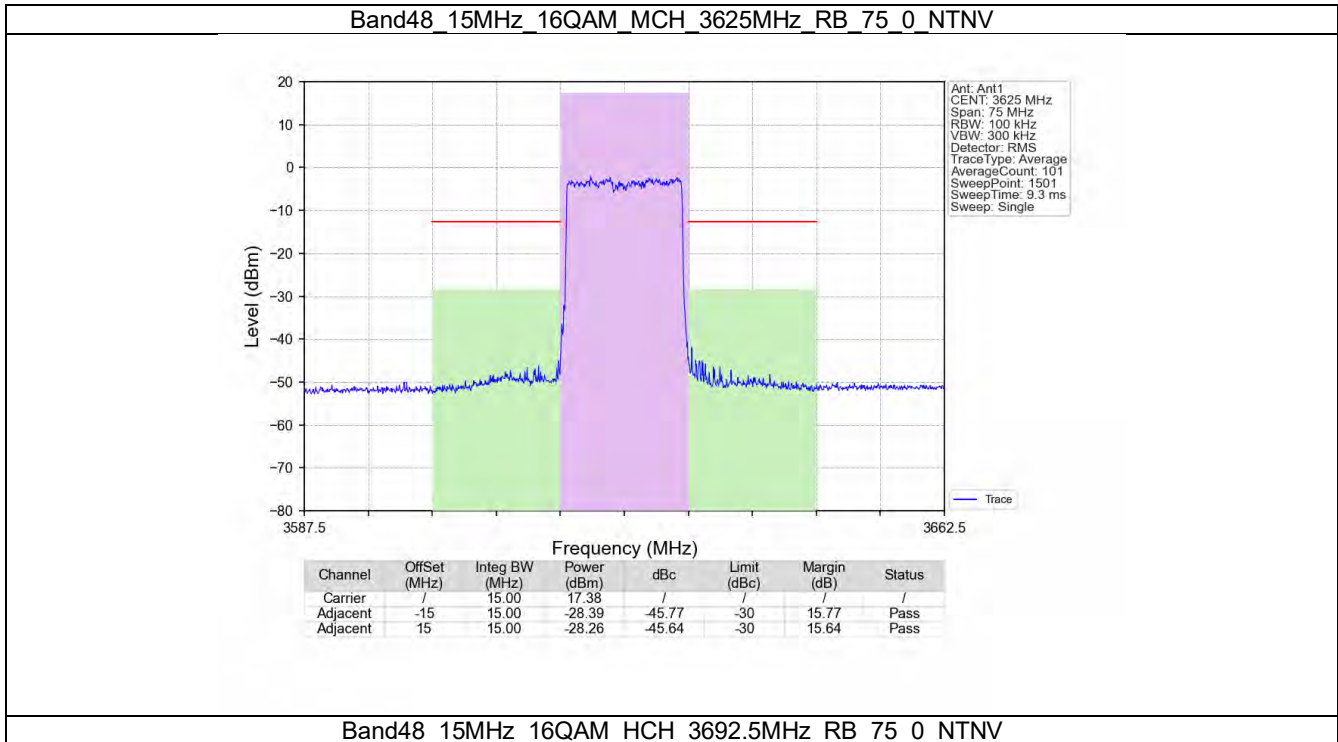


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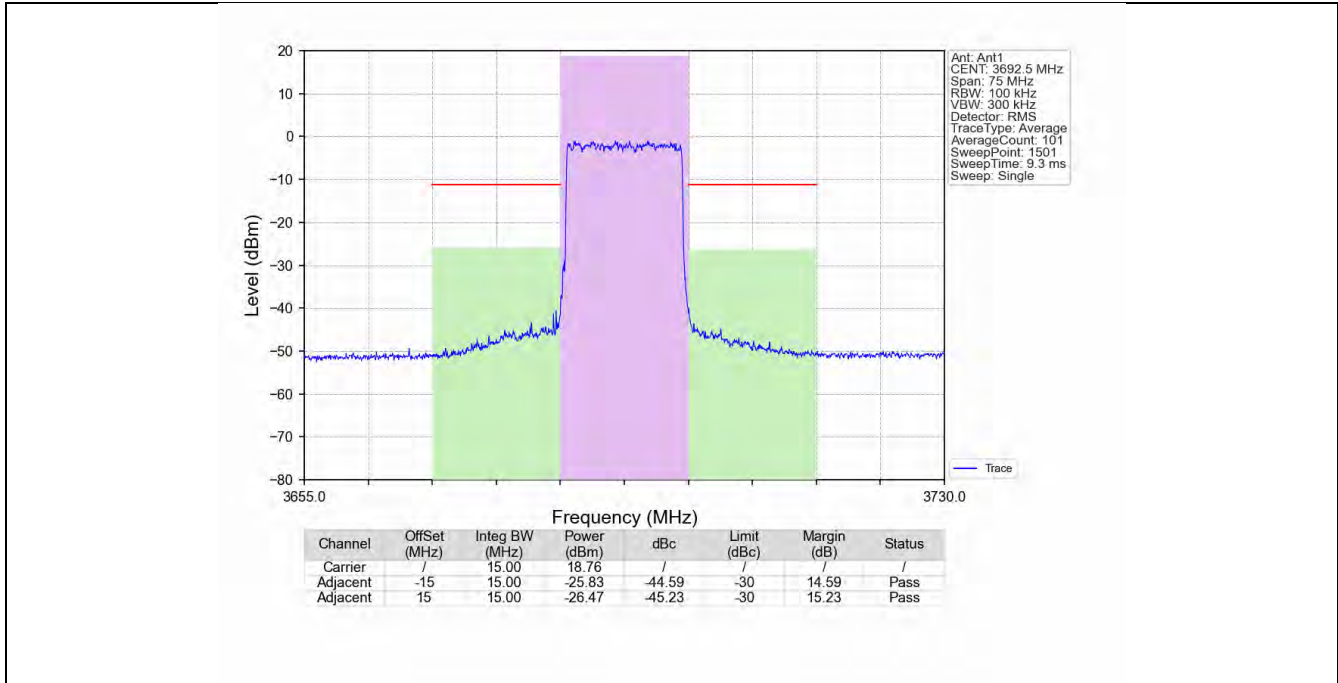


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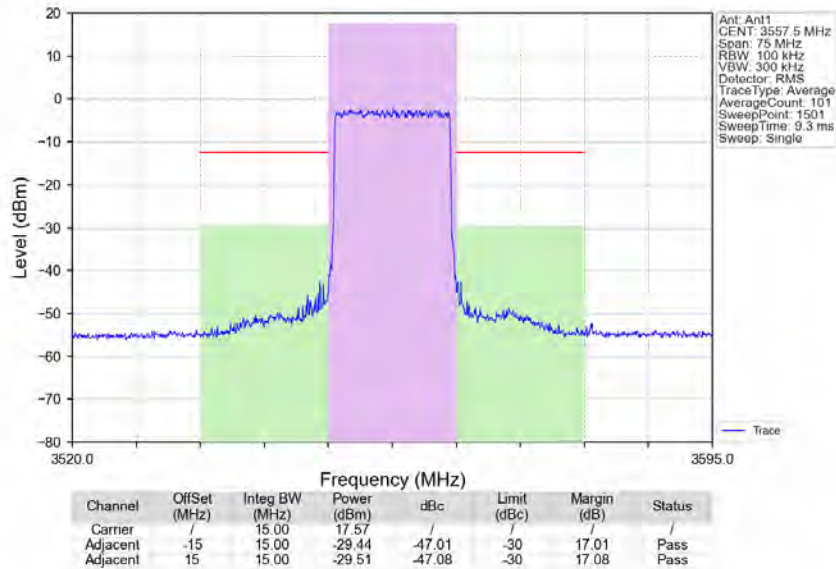
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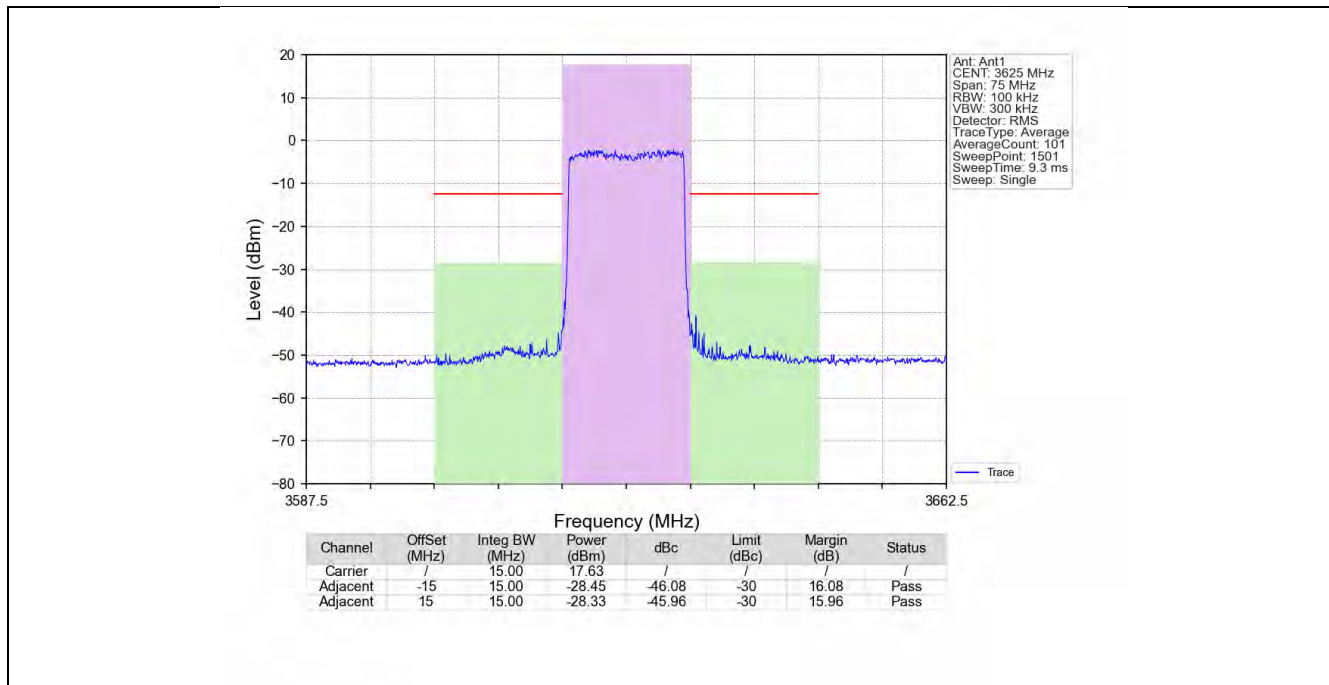
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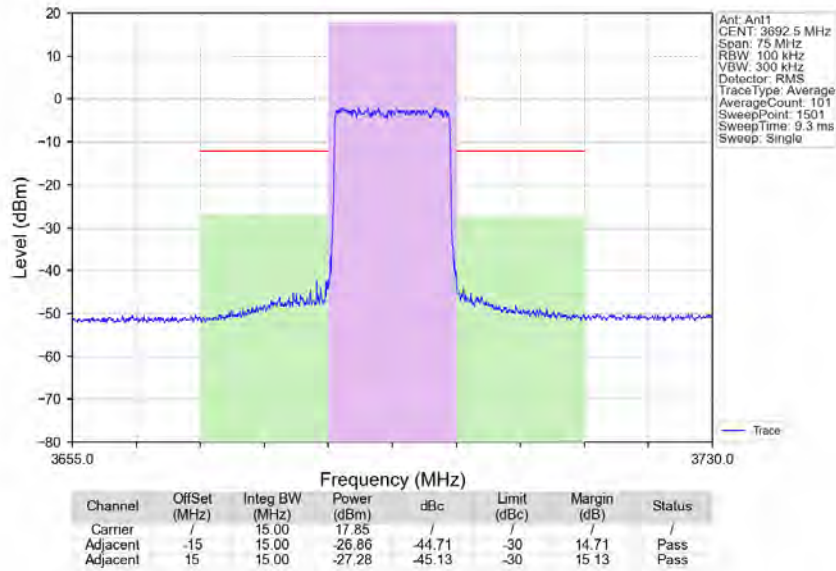
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Band48_15MHz_256QAM_LCH_3557.5MHz_RB_75_0_NTNV



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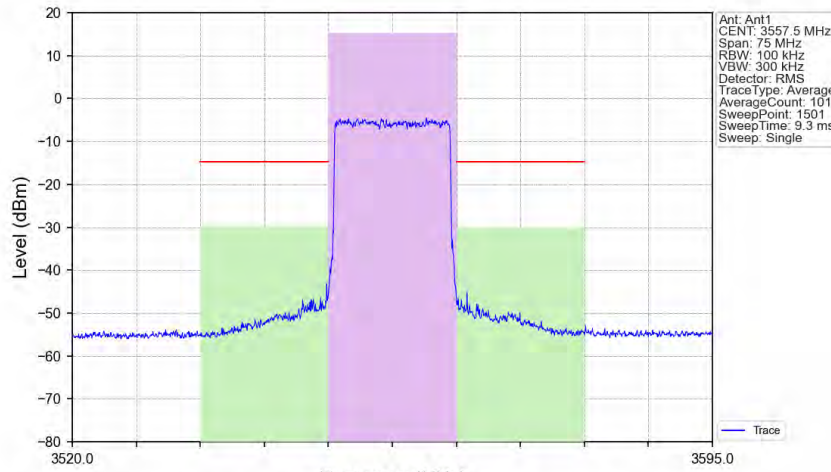


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Ant: Ant1
 CENT: 3575.5 MHz
 Span: 75 MHz
 RBW: 100 kHz
 VBW: 300 kHz
 Detector: RMS
 TraceType: Average
 AverageCount: 101
 SweepPoint: 1501
 SweepTime: 9.3 ms
 Sweep: Single

Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	15.25	-45.00	/	/	/
Adjacent	-15	15.00	-29.75	-45.34	-30	15.00	Pass
Adjacent	15	15.00	-30.09	-45.34	-30	15.34	Pass



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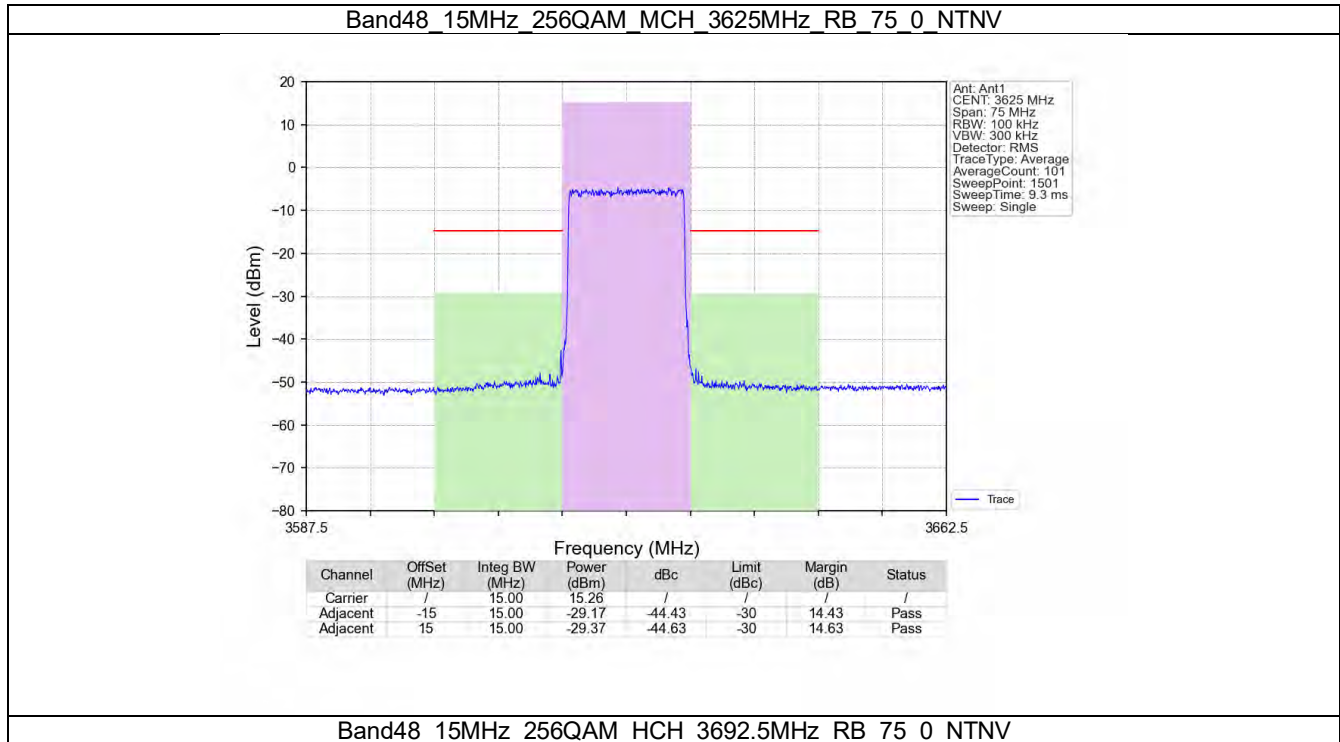


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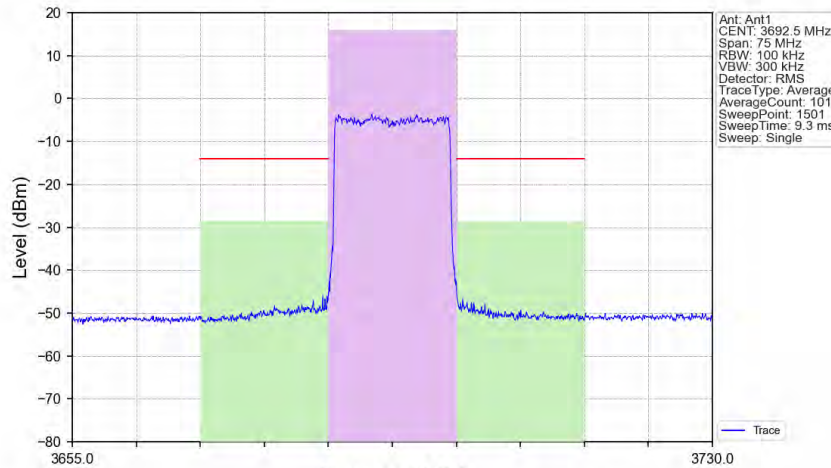


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Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	15.00	15.90	/	/	/	/
Adjacent	-15	15.00	-28.58	-44.48	-30	14.48	Pass
Adjacent	15	15.00	-28.71	-44.61	-30	14.61	Pass



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7.4 B48_20MHz

7.4.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass
16QAM	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass
64QAM	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass
256QAM	3560	100	0	Refer To Test Graph		Pass
	3625	100	0	Refer To Test Graph		Pass
	3690	100	0	Refer To Test Graph		Pass



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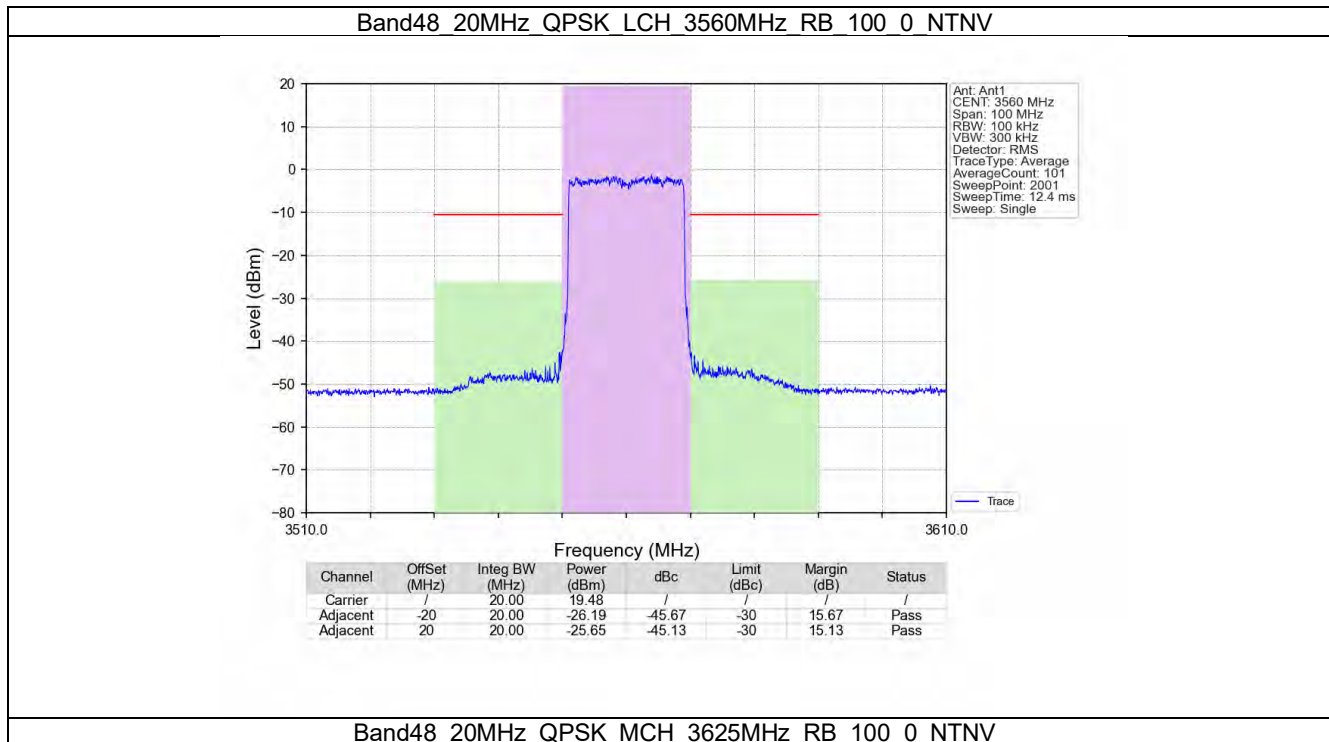
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7.4.2 Test Graph



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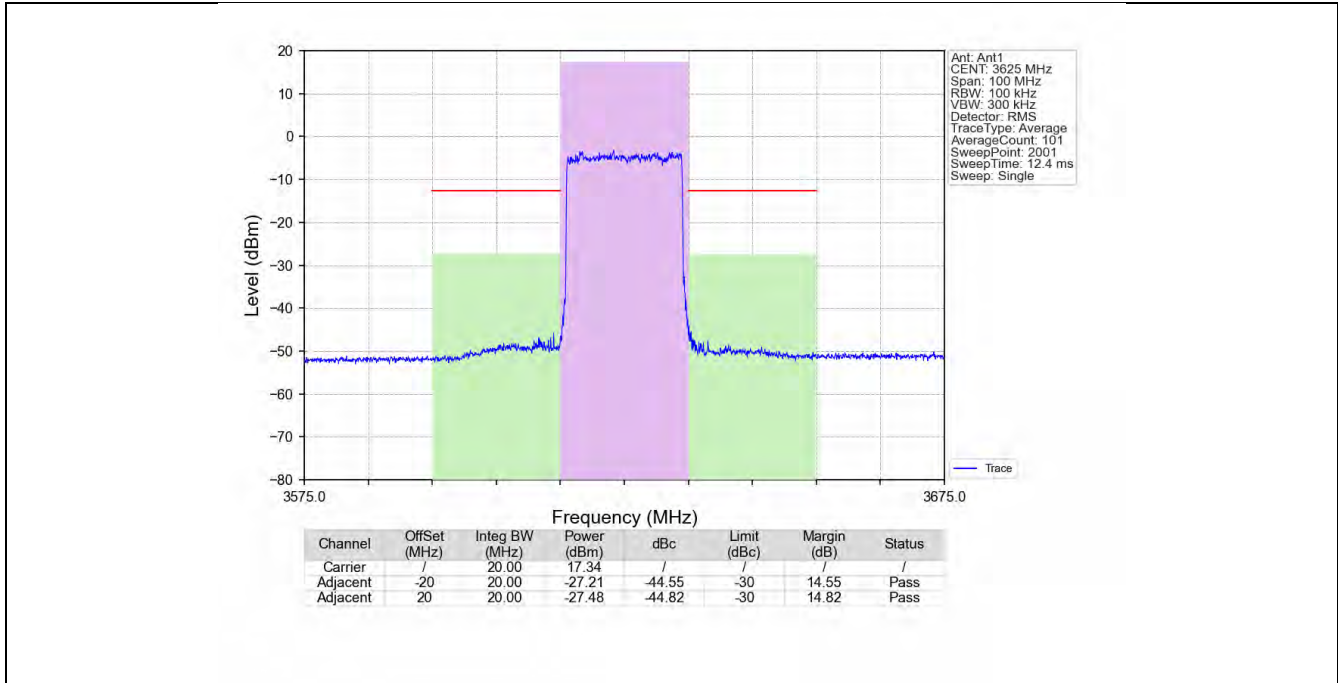


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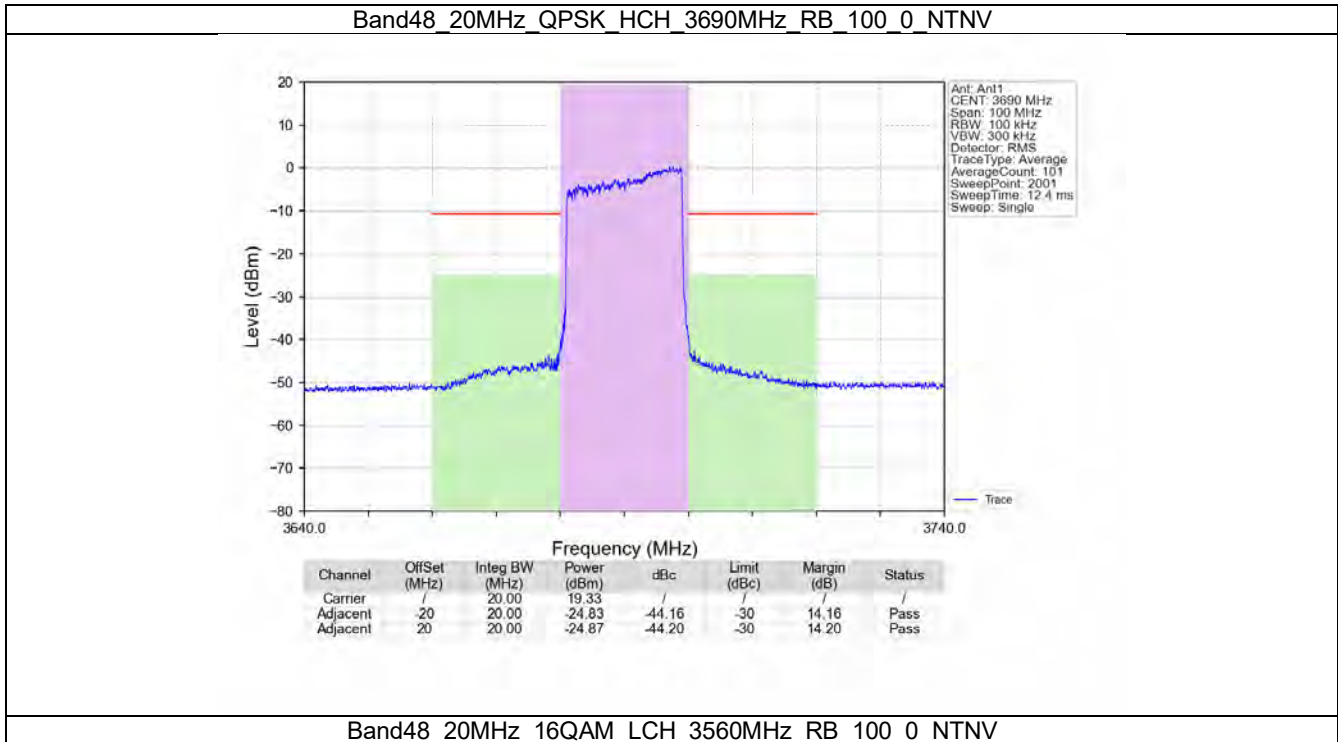


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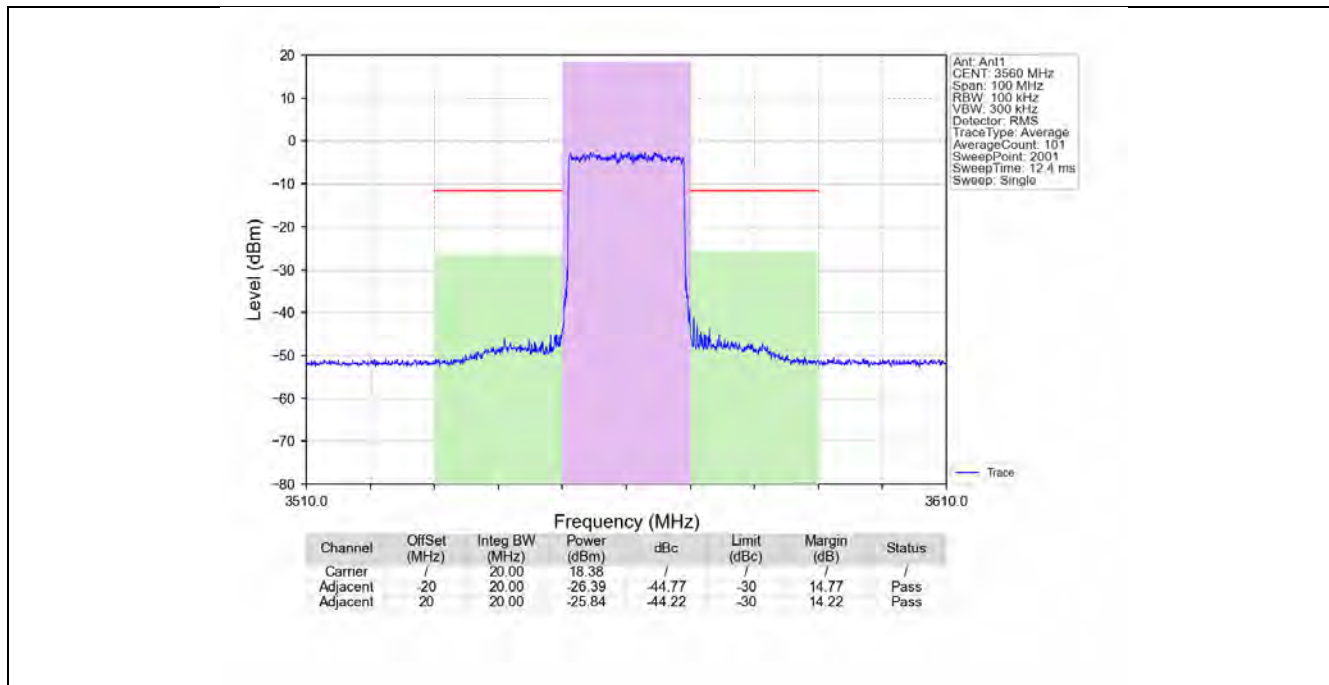
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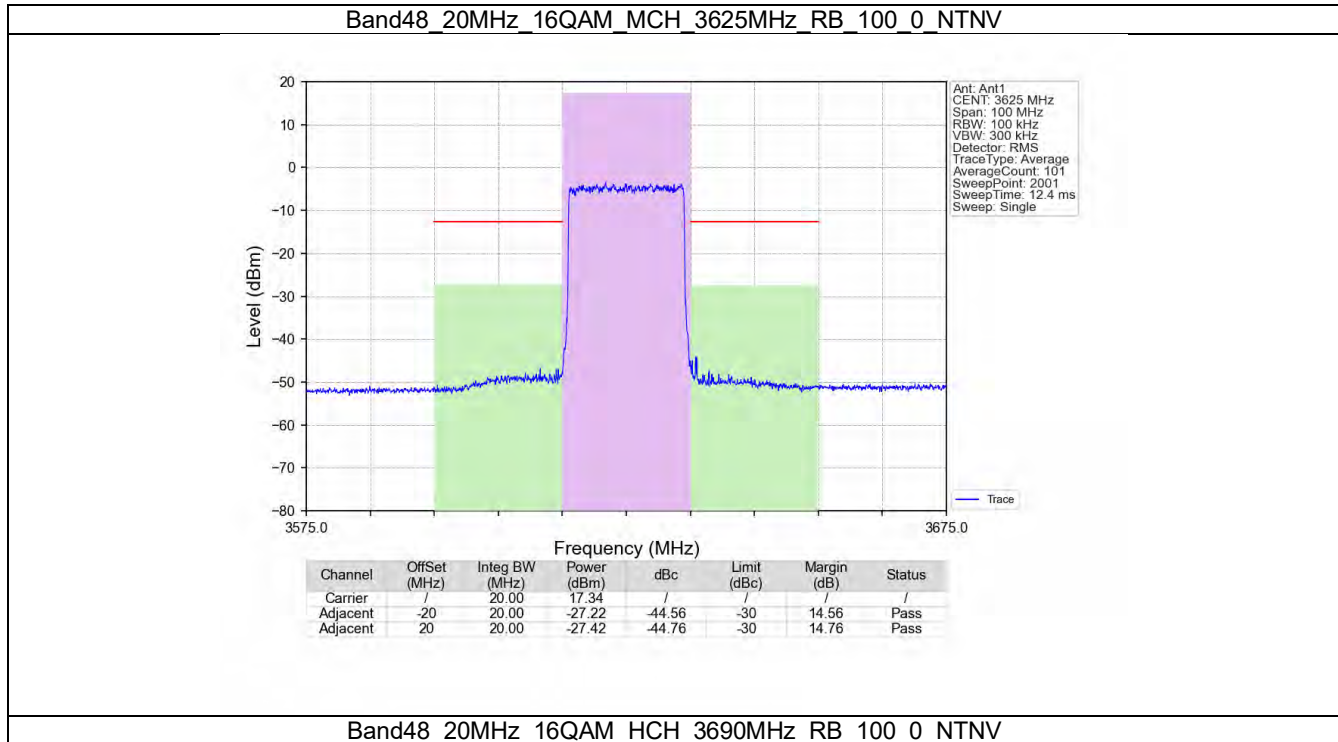


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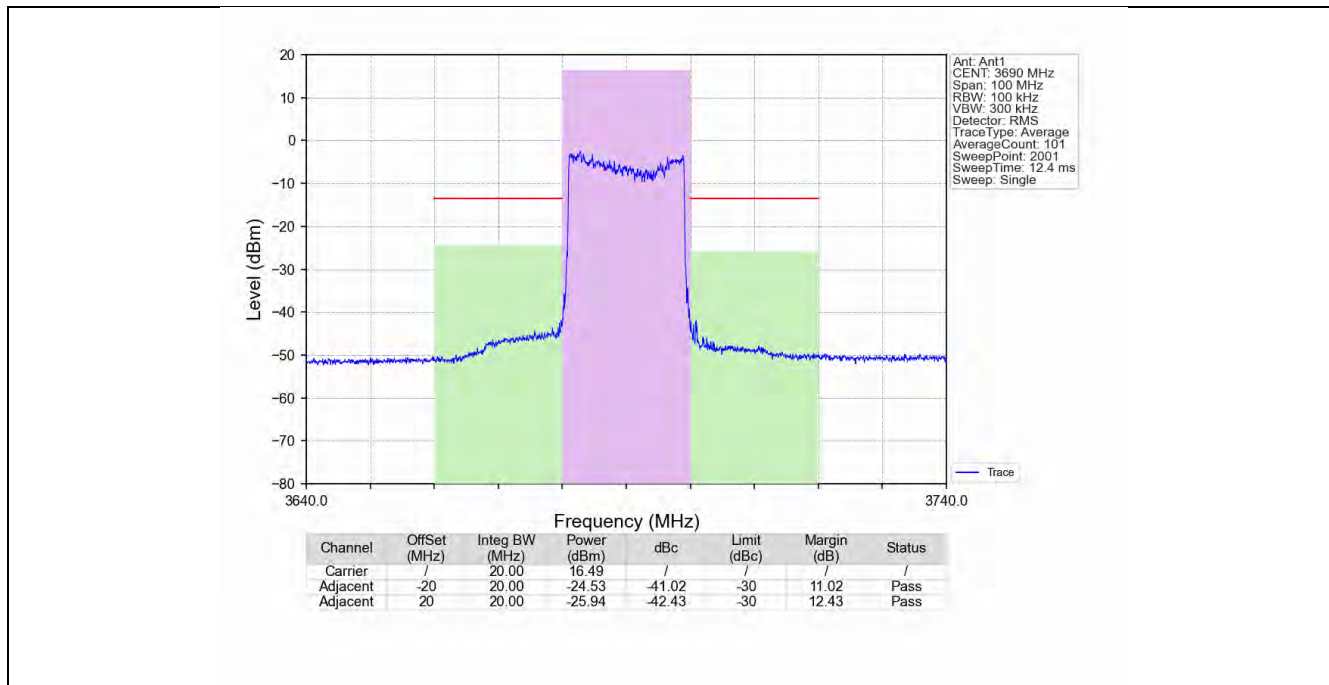
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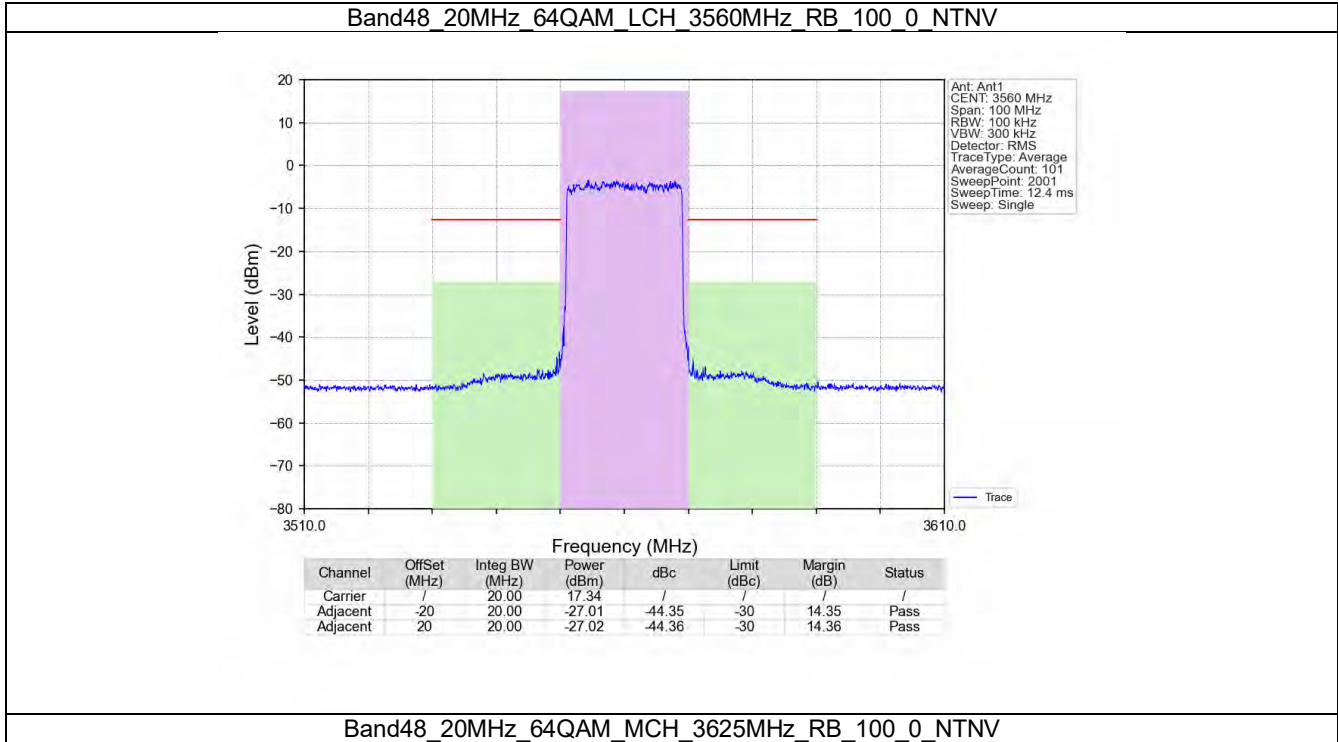


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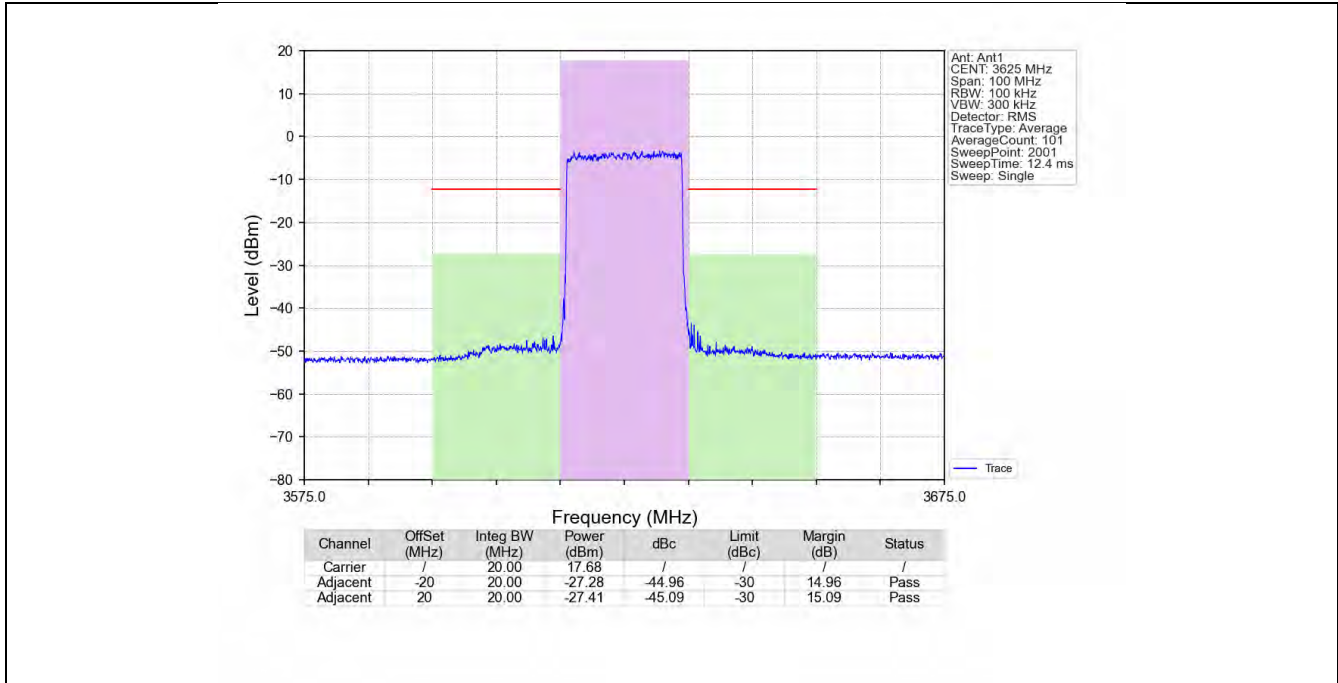


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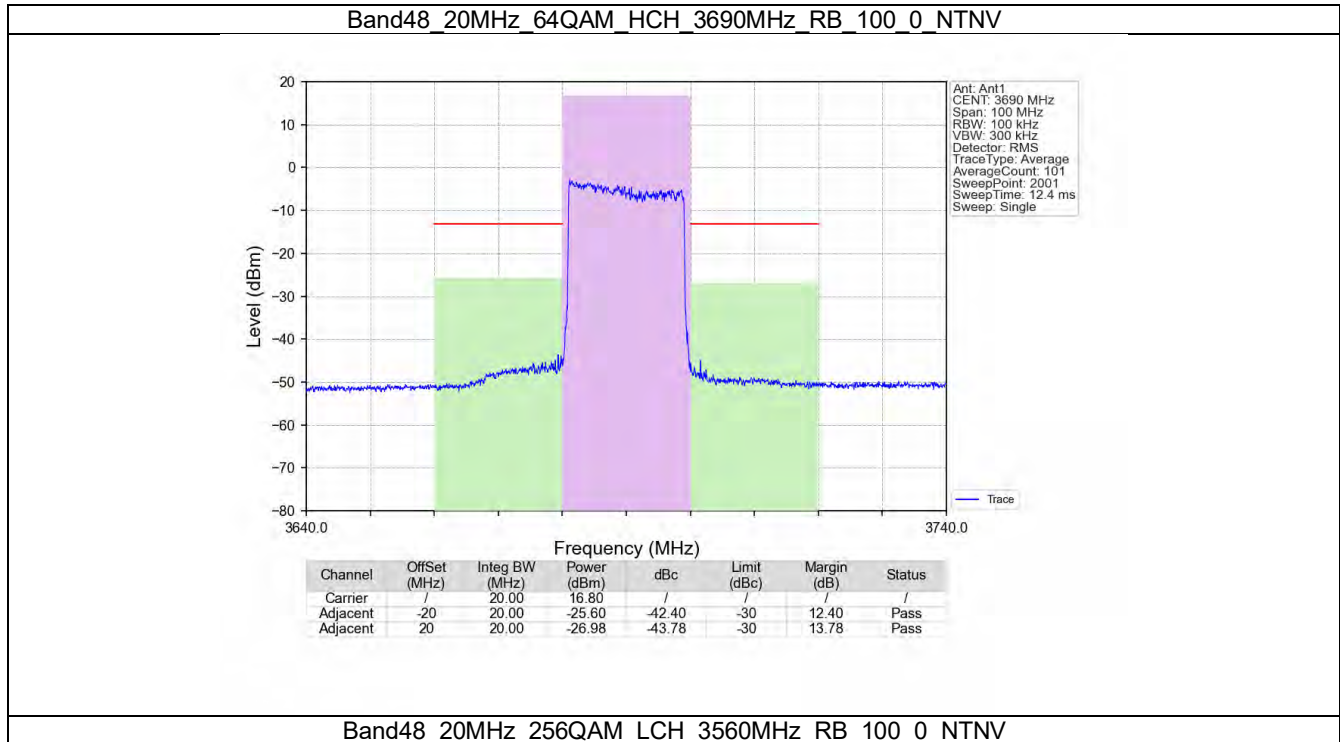


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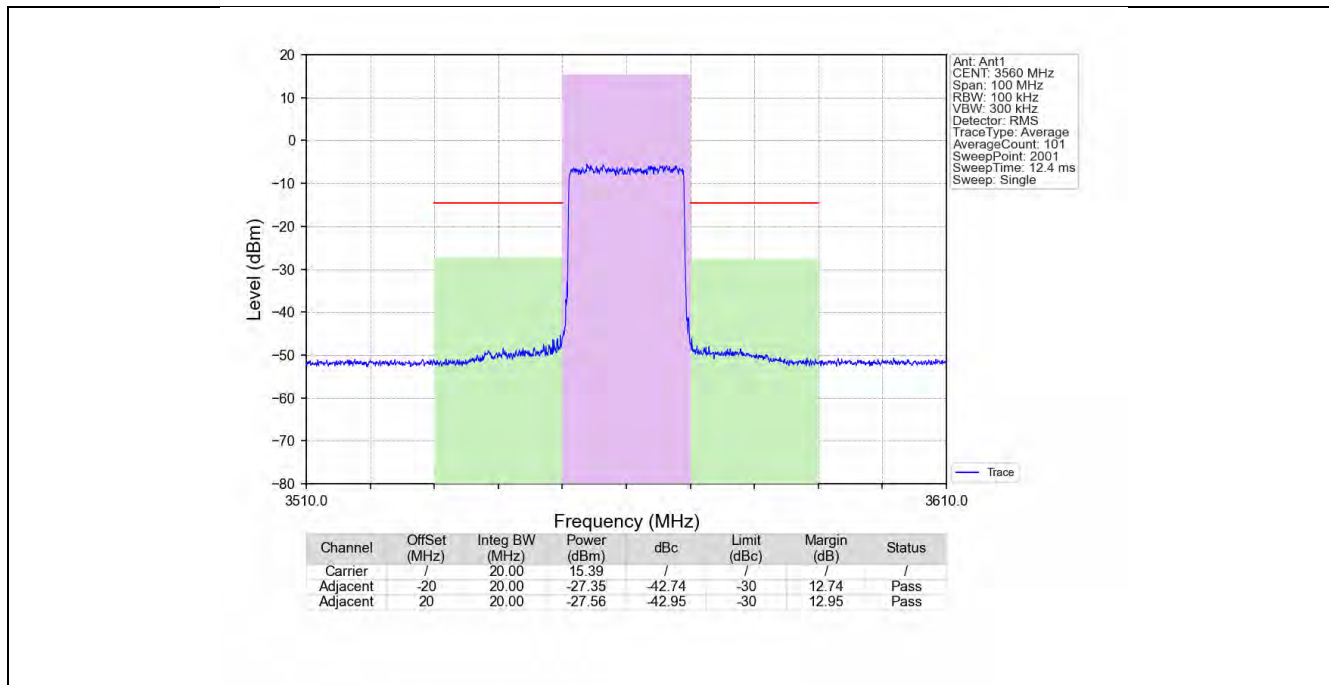
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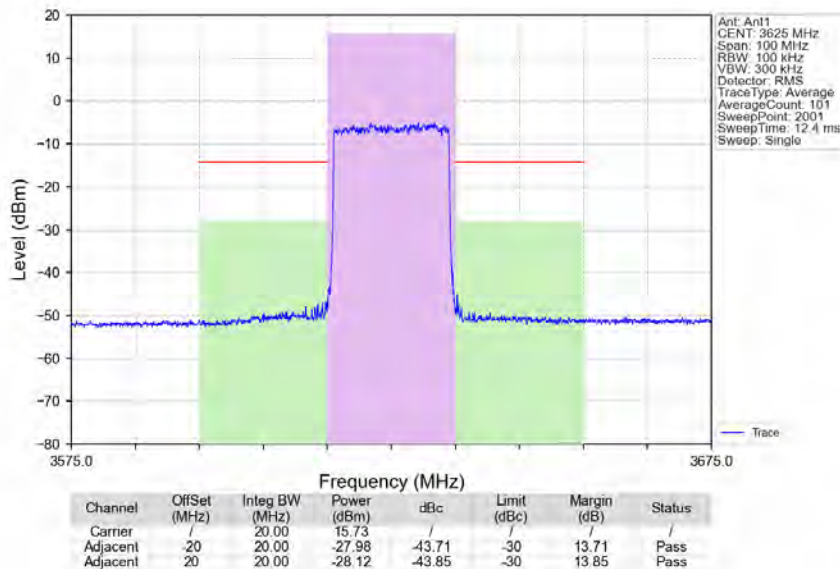
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Band48 20MHz 256QAM MCH 3625MHz RB 100 0 NTN



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



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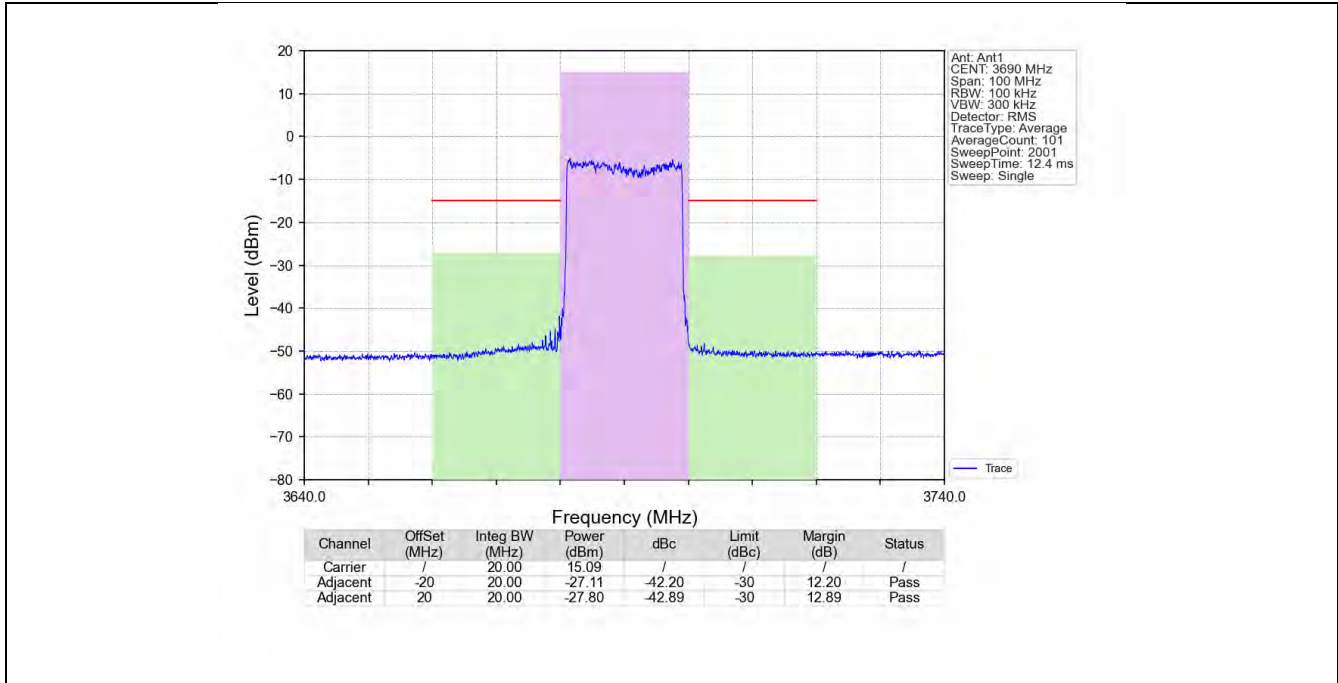


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