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## 6.6 B48\_10MHz

### 6.6.1 Test Result

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



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	1	49	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	Pass
	1	0	Refer To Test Graph	Pass
3625	1	49	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	Pass
	1	0	Refer To Test Graph	Pass
3695	1	49	Refer To Test Graph	Pass
	50	0	Refer To Test Graph	Pass



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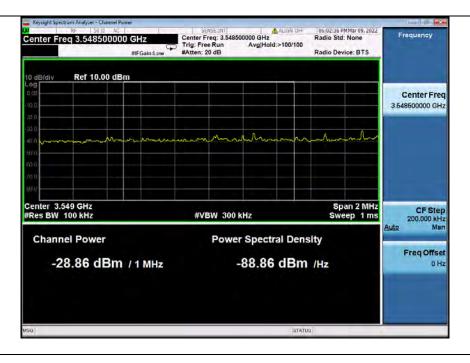


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### 6.6.2 Test Graph

#### Band48 10MHz QPSK LCH 3555MHz RB 1 0 NTNV Center Freq: 3.555000000 GHz Trig: Free Run Avg|Hold: 8/8 #Atten: 20 dB Center Freq 3.555000000 GHz PASS Radio Device: BTS Ref Offset 21 dB Ref 40.00 dBm Center Freq 3.555000000 GHz Stop 3.75 GHz 2.649000000 GHz RBW Frequency Amplitude 1.000 MHz 3.531490000 GHz 46.74 dBm 1.000 MHz 3.548019000 GHz -36.84 dBm -21.74 dB -23.84 dB 5300 GHz 3.5400 GHz Freq Offset 3.5500 GHz 3 5490 GHz 100.0 kHz | 3.549957500 GHz | -31.48 dBm 18 48 dB 0 Hz 3.5610 GHz 3.5700 GHz 3.5800 GHz 100.0 kHz 3.560158000 GHz 45.72 dBm 1.000 MHz 3.568051500 GHz -36.47 dBm 1.000 MHz 3.570220000 GHz 43.43 dBm 3.5610 GHz -23.47 dB 1.000 MHz 3.745155000 GHz -46.43 dBm -6.430 dB

Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_1\_0\_NTNV (Integrated Power for 3548-3549MHz)





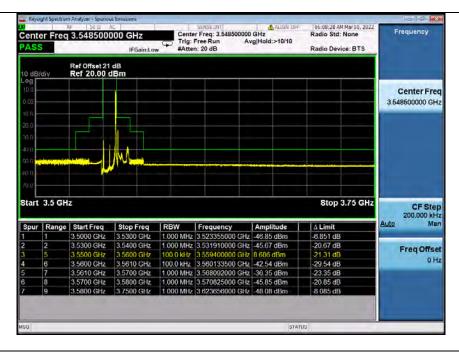
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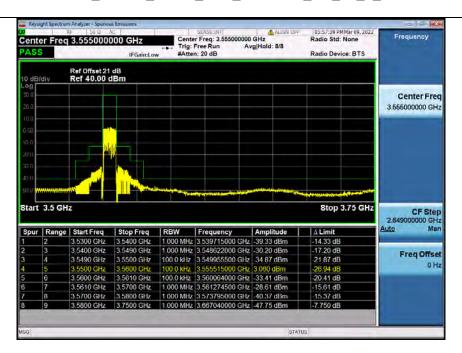


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### Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_1\_49\_NTNV



### Band48\_10MHz\_QPSK\_LCH\_3555MHz\_RB\_50\_0\_NTNV



Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV

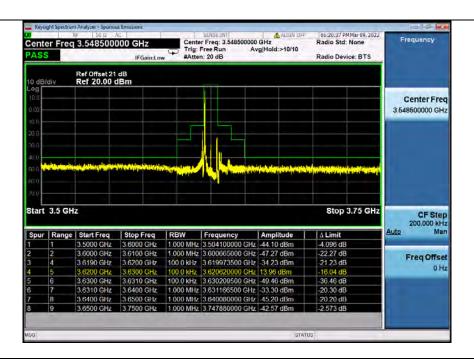


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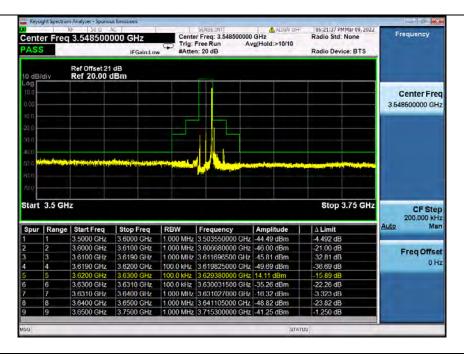
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Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_49\_NTNV



Band48\_10MHz\_QPSK\_MCH\_3625MHz\_RB\_50\_0\_NTNV

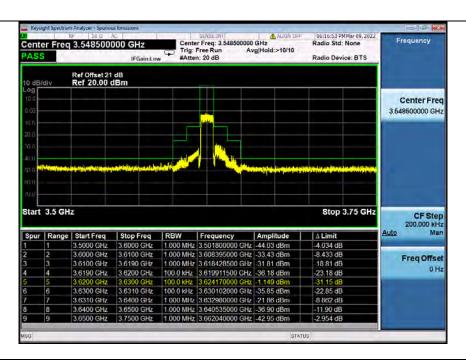


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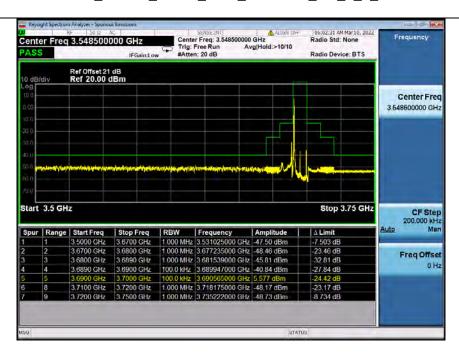
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Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_1\_49\_NTNV



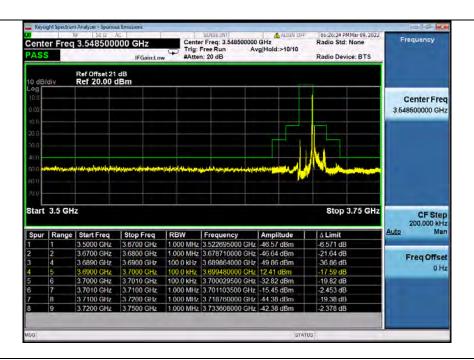
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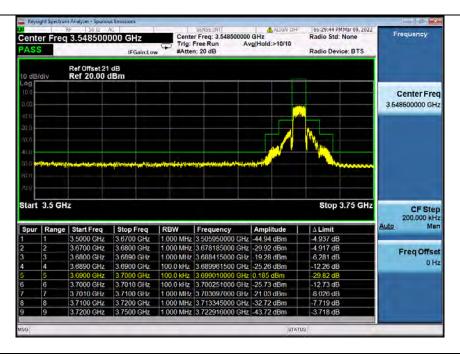
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## Band48\_10MHz\_QPSK\_HCH\_3695MHz\_RB\_50\_0\_NTNV





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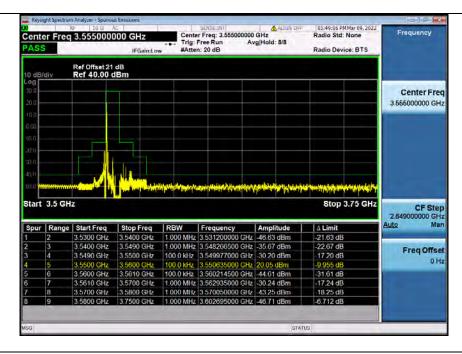
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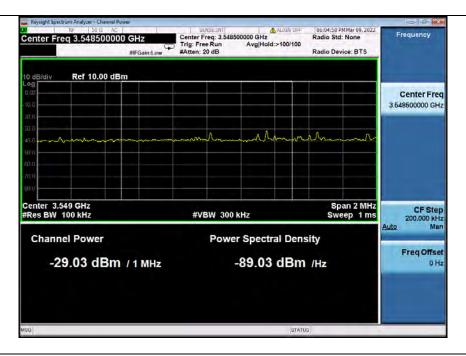


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## Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV



## Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV (Integrated Power for 3548-3549MHz)



Band48\_10MHz\_16QAM\_LCH\_3555MHz\_RB\_1\_49\_NTNV

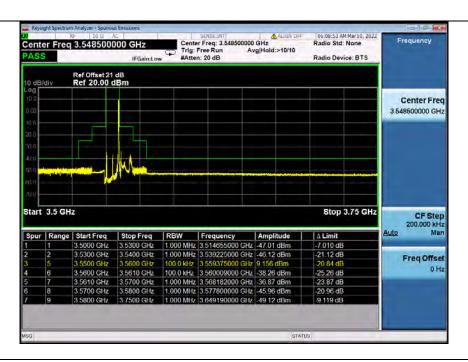


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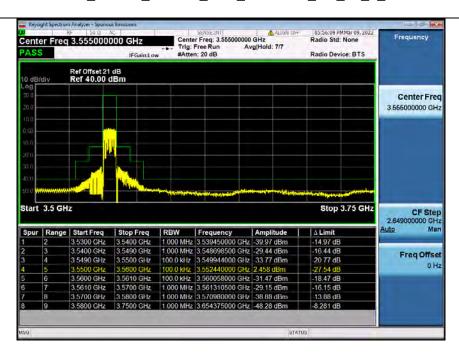
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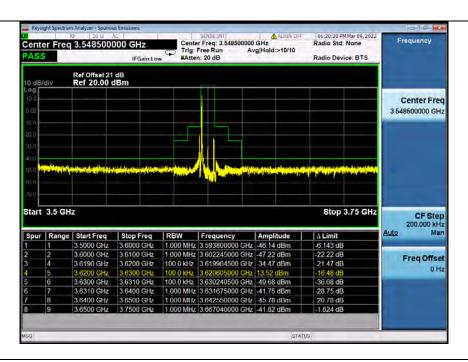
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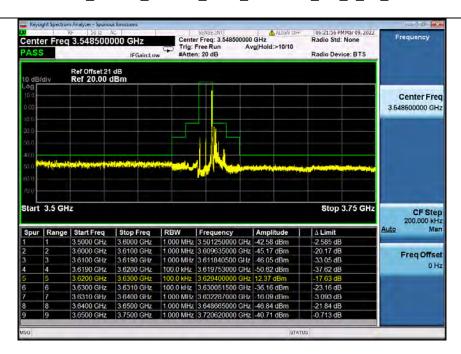
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Band48\_10MHz\_16QAM MCH\_3625MHz\_RB\_50\_0\_NTNV



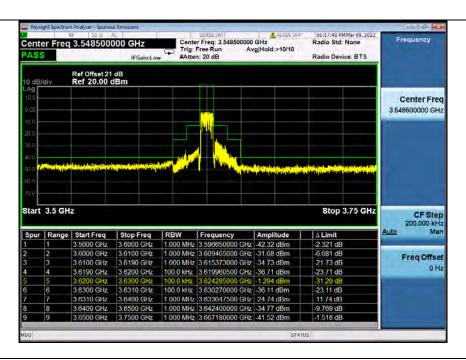
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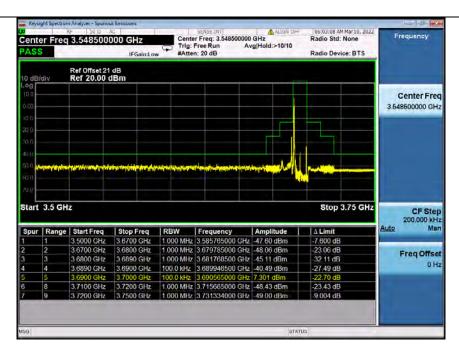
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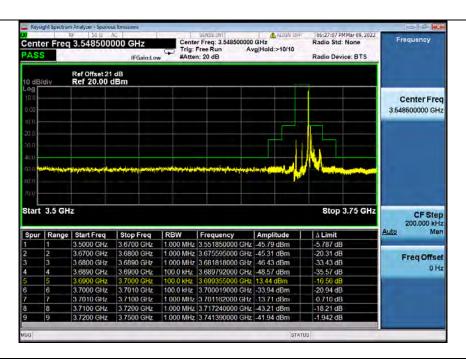
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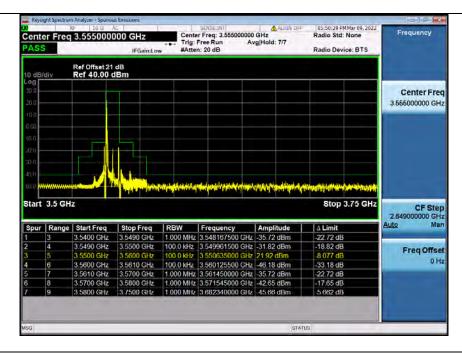
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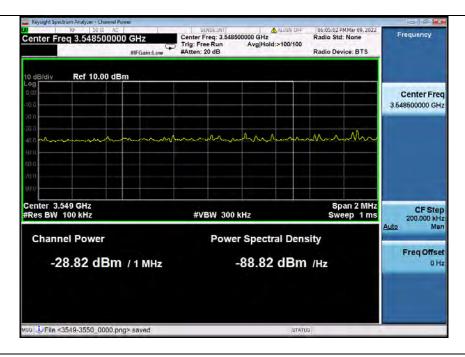


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## Band48\_10MHz\_64QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV



## Band48\_10MHz\_64QAM\_LCH\_3555MHz\_RB\_1\_0\_NTNV (Integrated Power for 3548-3549MHz)



Band48\_10MHz\_64QAM\_LCH\_3555MHz\_RB\_1\_49\_NTNV



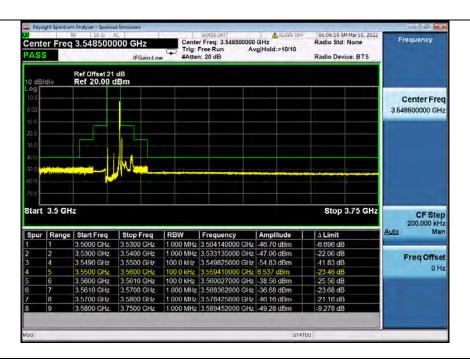
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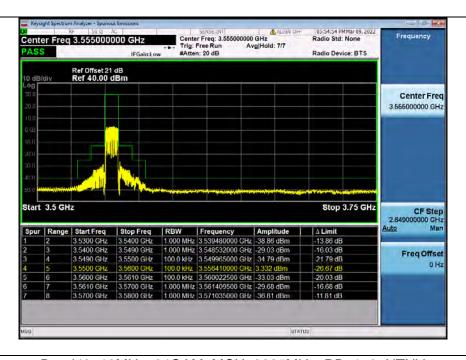
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### Band48\_10MHz\_64QAM\_LCH\_3555MHz\_RB\_50\_0\_NTNV



Band48\_10MHz\_64QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV

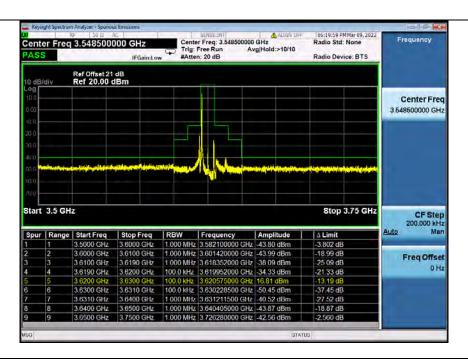


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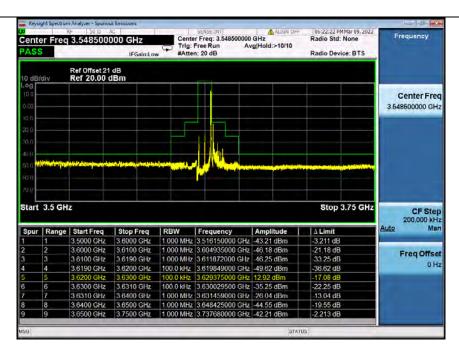
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Band48\_10MHz\_64QAM\_MCH\_3625MHz\_RB\_1\_49\_NTNV



Band48\_10MHz\_64QAM MCH\_3625MHz\_RB\_50\_0\_NTNV



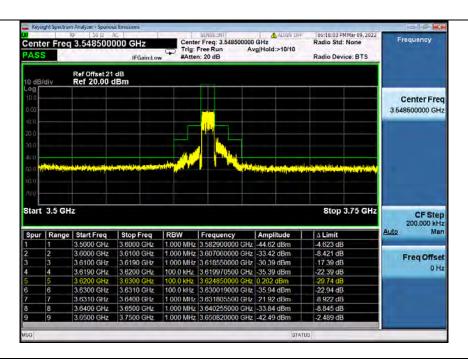
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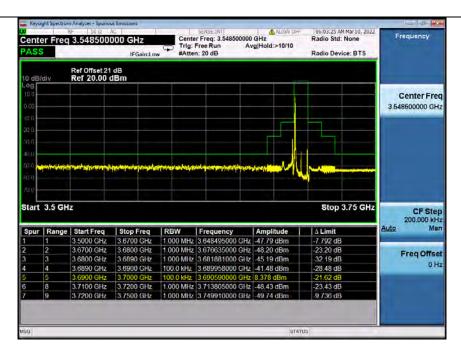
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Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_1\_0\_NTNV



Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_1\_49\_NTNV

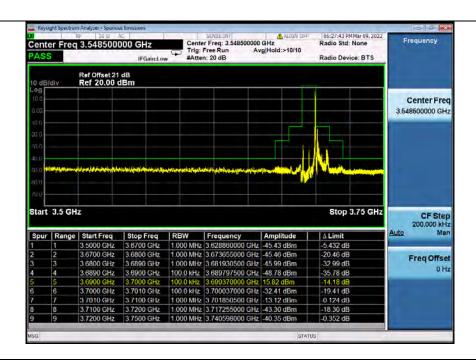


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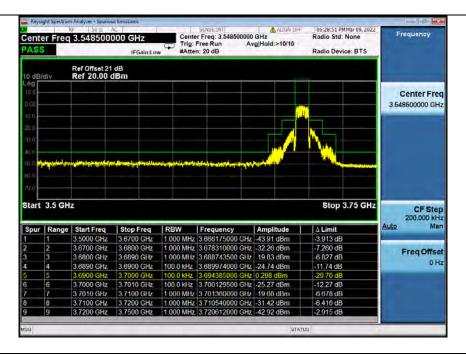
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## Band48\_10MHz\_64QAM\_HCH\_3695MHz\_RB\_50\_0\_NTNV





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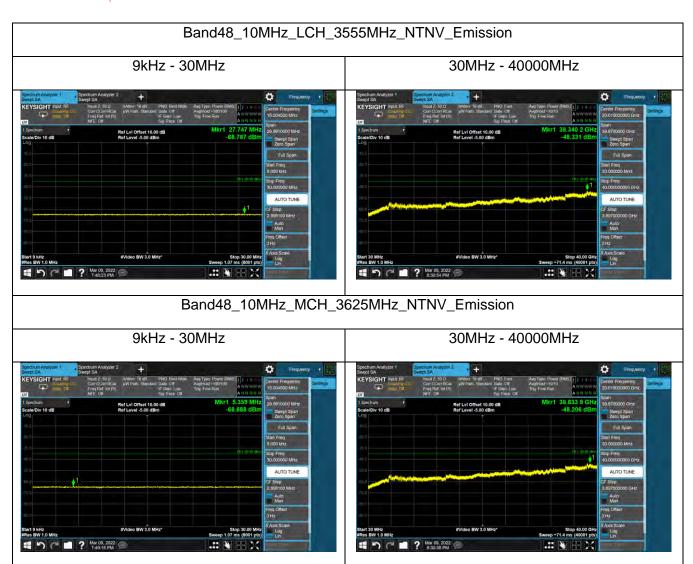
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# 

Remark: All modulation modes and RB configurations were evaluated, and only presented the test results of the worst modulation mode QPSK and 1 RB configurations in the report.

# 5 C ? Mar 08, 2022



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## 6.7 B48\_15MHz

### 6.7.1 Test Result

		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
		1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3625	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	3692.5	1	74	Refer To Test C	Graph	Pass
		75	0	Refer To Test Graph		Pass
16QAM		1	0	Refer To Test C	Graph	Pass
	3557.5	1	74	Refer To Test C	Graph	Pass
		75	0	Refer To Test C	Graph	Pass
		1	0	Refer To Test C	Graph	Pass
	3625	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test C	Graph	Pass
		1	0	Refer To Test C	Graph	Pass
	3692.5	1	74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
64QAM	3557.5	1	0	Refer To Test C	Graph	Pass



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		1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	3625	1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	3692.5	1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass



Test Report Form Version: Rev01

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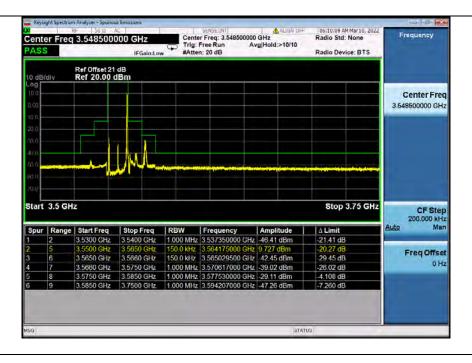


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### 6.7.2 Test Graph

### Band48 15MHz QPSK LCH 3557.5MHz RB 1 0 NTNV Center Freq: 3.548500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 20 dB Center Freq 3.548500000 GHz PASS Radio Device: BTS Ref Offset 21 dB Ref 20.00 dBm Center Freq 3.548500000 GHz Start 3.5 GHz Stop 3.75 GHz 200,000 kHz | RBW | Frequency | Amplitude | 1.000 MHz | 3.537520000 GHz | -32.68 dBm | 1.000 MHz | 3.548379000 GHz | -34.83 dBm .5300 GHz 3.5400 GHz -7.676 dB 3.5490 GHz 3.5500 GHz Freq Offset 150 0 kHz 3 549900000 GHz -34 89 dBm 3 5490 GHz 21 89 dB 0 Hz 150.0 kHz 3.565214000 GHz 46.39 dBm 1.000 MHz 3.577650000 GHz -31.53 dBm 1.000 MHz 3.698650000 GHz 43.88 dBm 3.5660 GHz 3.5850 GHz 3.5750 GHz

### Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_1\_74\_NTNV





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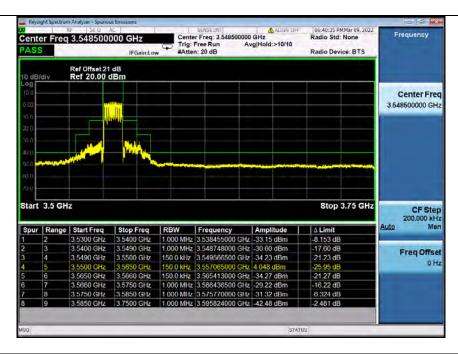
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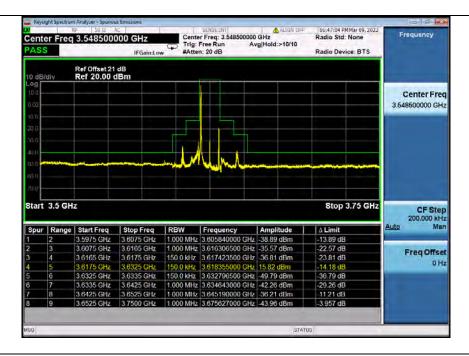


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## Band48\_15MHz\_QPSK\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



### Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



Band48\_15MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_74\_NTNV

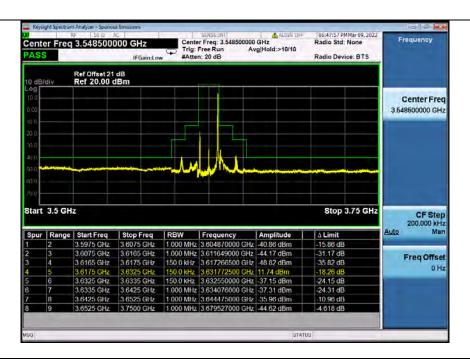


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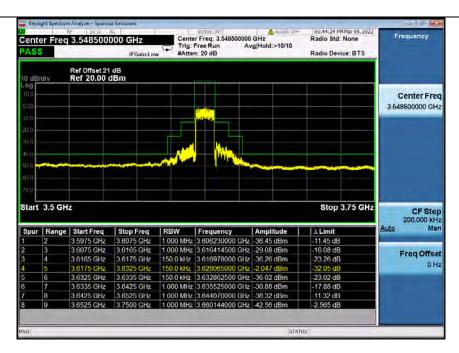
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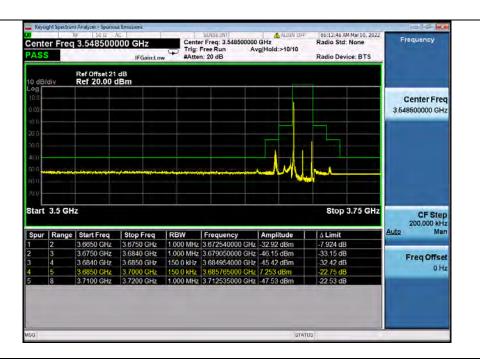


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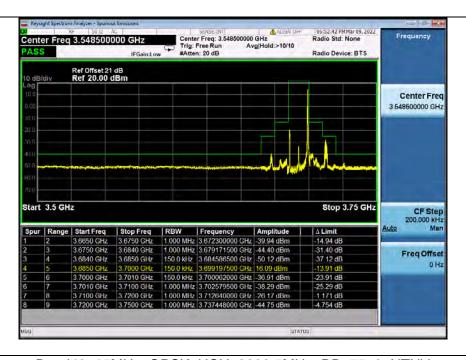
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Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_1\_74\_NTNV



Band48\_15MHz\_QPSK\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



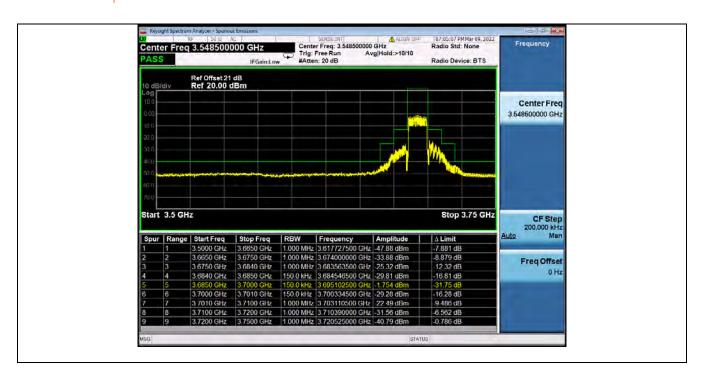
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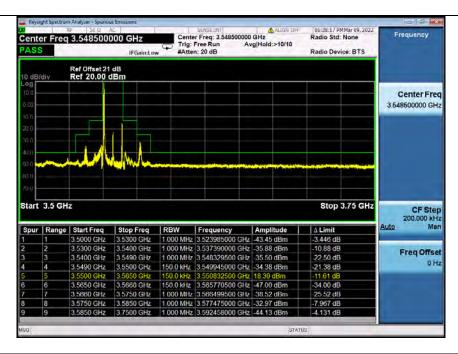
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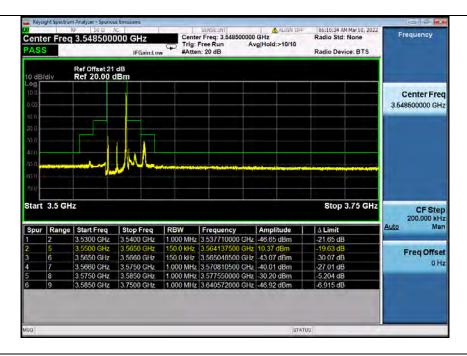


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## Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



## Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_1\_74\_NTNV



Band48\_15MHz\_16QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



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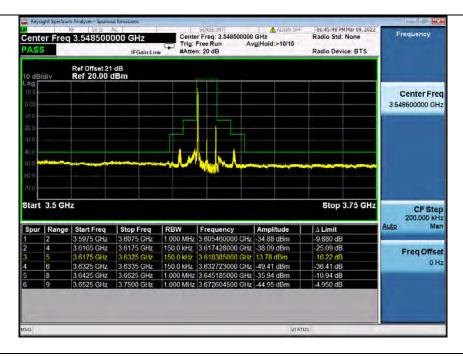
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Band48\_15MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



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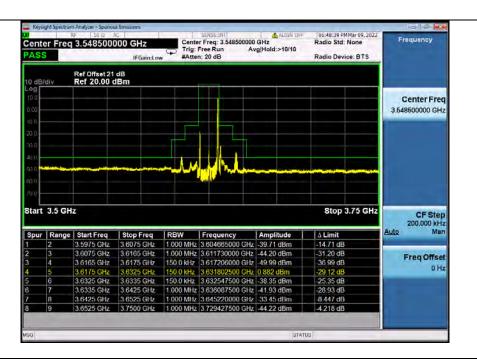


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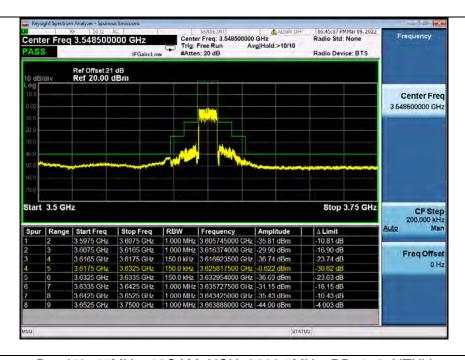
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Band48\_15MHz\_16QAM MCH\_3625MHz\_RB\_75\_0\_NTNV



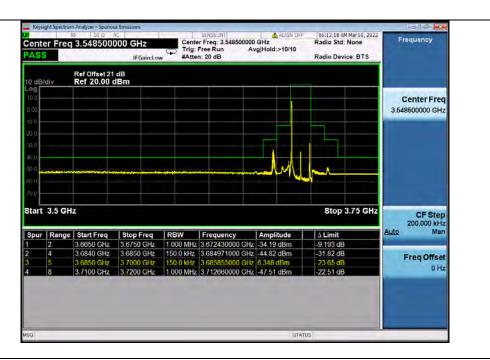
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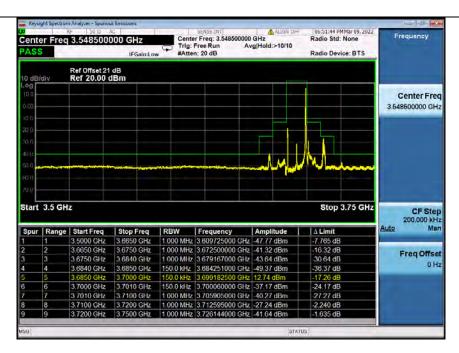
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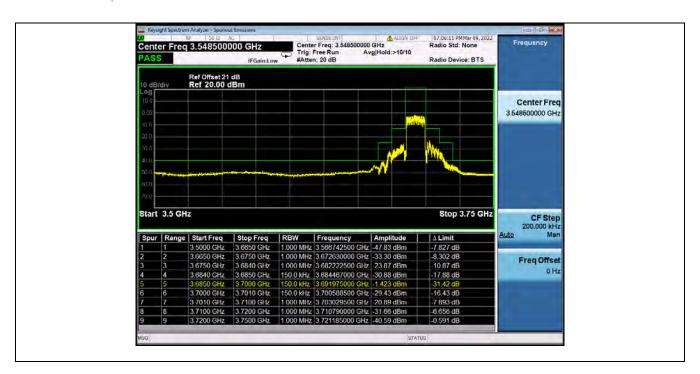
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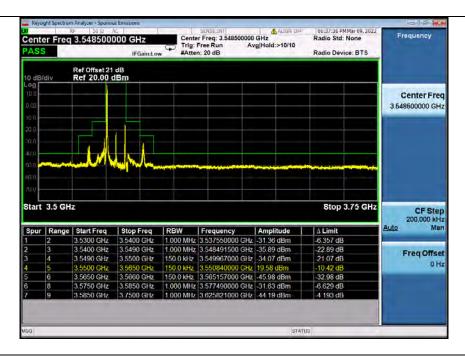
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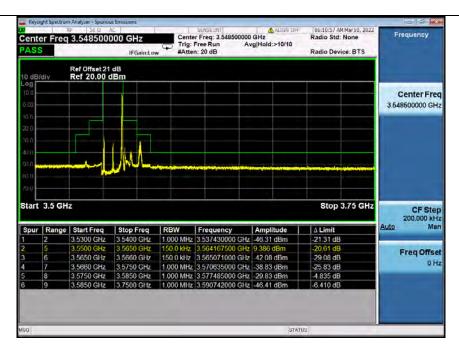


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### Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_1\_0\_NTNV



## Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_1\_74\_NTNV



Band48\_15MHz\_64QAM\_LCH\_3557.5MHz\_RB\_75\_0\_NTNV



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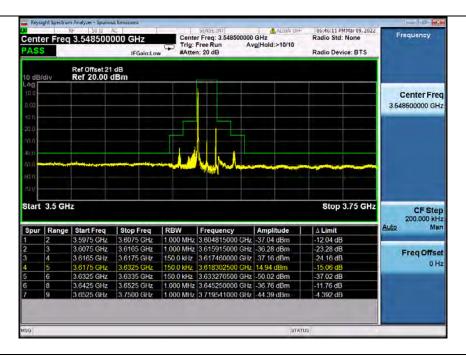
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Band48\_15MHz\_64QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



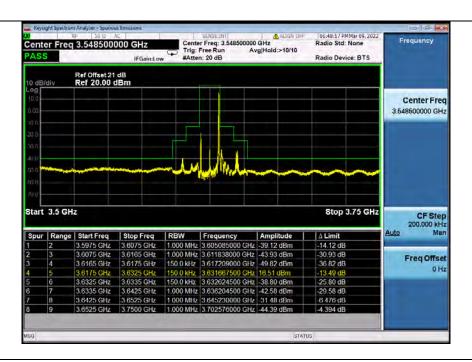
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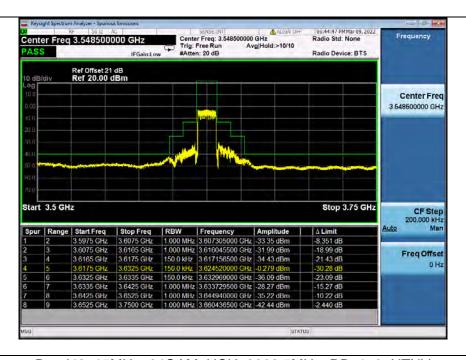
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Band48\_15MHz\_64QAM MCH\_3625MHz\_RB\_75\_0\_NTNV



Band48\_15MHz\_64QAM\_HCH\_3692.5MHz\_RB\_1\_0\_NTNV

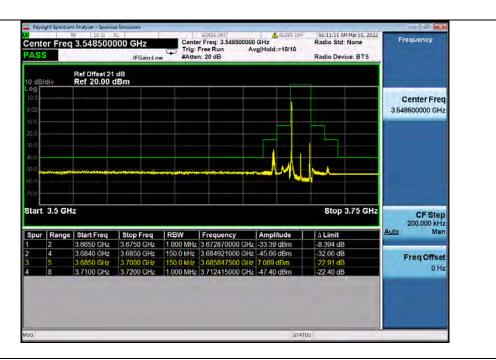


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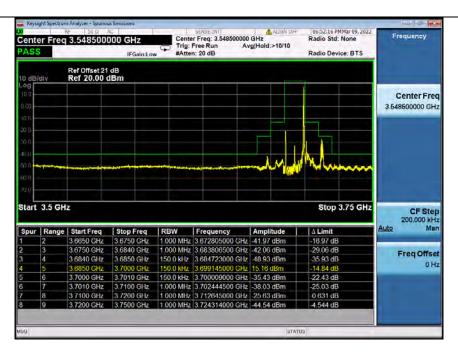
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Band48\_15MHz\_64QAM\_HCH\_3692.5MHz\_RB\_75\_0\_NTNV



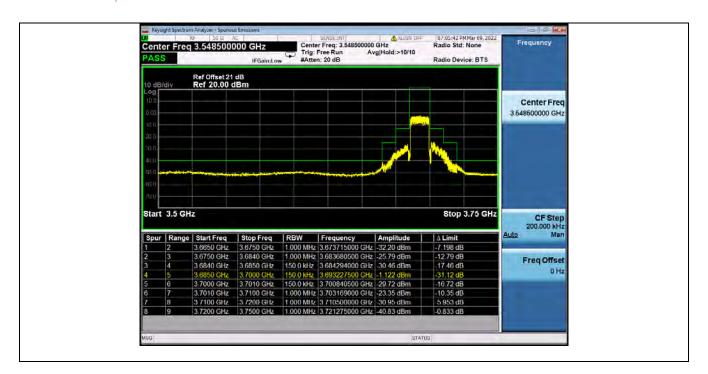
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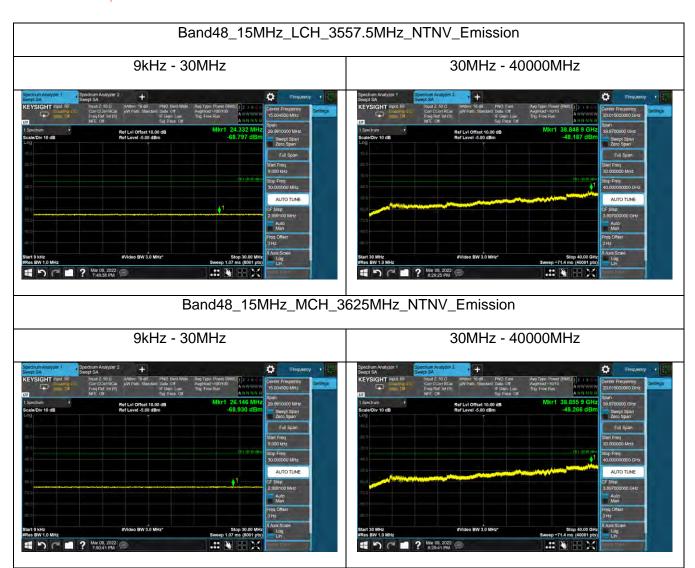
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# Band48\_15MHz\_HCH\_3692.5MHz\_NTNV\_Emission 9kHz - 30MHz 30MHz - 40000MHz 30MHz - 40000MHz Specifium Analyzer 1 Specifium Analyzer

Remark: All modulation modes and RB configurations were evaluated, and only presented the test results of the worst modulation mode QPSK and 1 RB configurations in the report.

# 5 C ? Mar 09, 2022 @



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# 6.8 B48\_20MHz

### 6.8.1 Test Result

		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
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
	-	100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	3560	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
	-	100	0	Refer To Test Graph		Pass
		1	0	Refer To Test 0	Graph	Pass
	3625	1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3690	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
	-	100	0	Refer To Test Graph		Pass
64QAM	3560	1	0	Refer To Test (	Graph	Pass



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	1	99	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	Pass
	1	0	Refer To Test Graph	Pass
3625	1	99	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	Pass
	1	0	Refer To Test Graph	Pass
3690	1	99	Refer To Test Graph	Pass
	100	0	Refer To Test Graph	Pass



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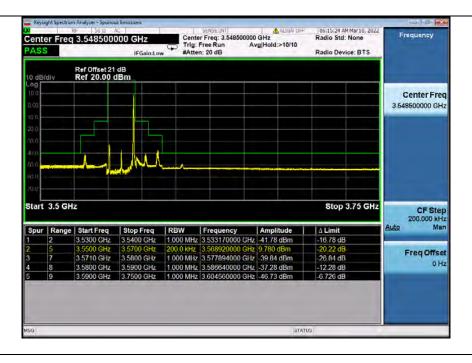


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## 6.8.2 Test Graph

# Band48 20MHz QPSK LCH 3560MHz RB 1 0 NTNV Center Freq: 3.548500000 GHz Trig: Free Run Avg|Hold:>10/10 #Atten: 20 dB Center Freq 3.548500000 GHz PASS Radio Device: BTS Ref Offset 21 dB Ref 20.00 dBm Center Freq 3.548500000 GHz Start 3.5 GHz Stop 3.75 GHz 200,000 kHz | RBW | Frequency | Amplitude | 1.000 MHz | 3.533555000 GHz | 45.10 dBm | 200.0 kHz | 3.549959500 GHz | -38.63 dBm 3.5400 GHz 3.5500 GHz -20.10 dB -25.63 dB 5300 GHz Freq Offset | 35700 GHz | 35700 GHz | 2000 kHz | 3551050000 GHz | 93.1 dBm | 35710 GHz | 35800 GHz | 1.000 MHz | 3.577606000 GHz | 4279 dBm | 3.5800 GHz | 3.5900 GHz | 1.000 MHz | 3.586700000 GHz | 4279 dBm | 3.5900 GHz | 3.7500 GHz | 1.000 MHz | 3.710352000 GHz | 47.07 dBm | 47.07 0 Hz -33.63 dB

#### Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_1\_99\_NTNV





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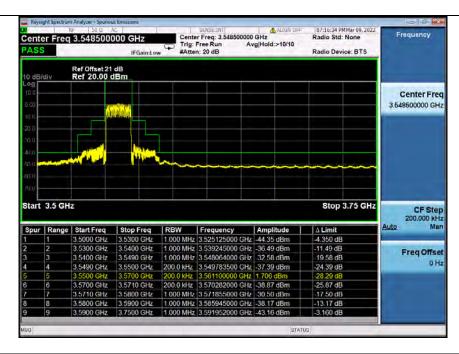
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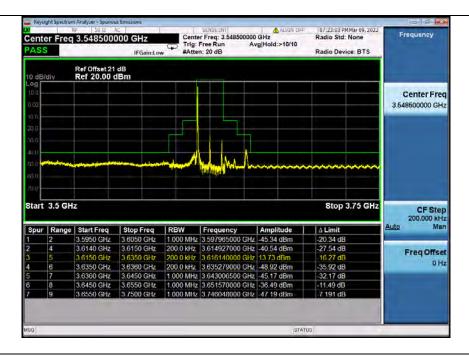


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# Band48\_20MHz\_QPSK\_LCH\_3560MHz\_RB\_100\_0\_NTNV



#### Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_1\_99\_NTNV



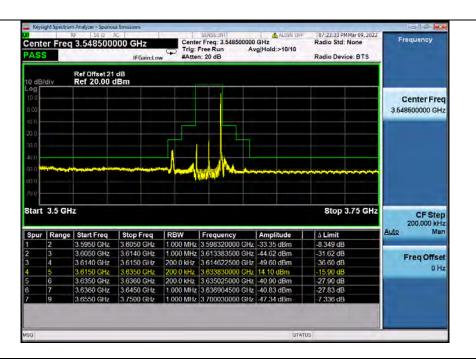
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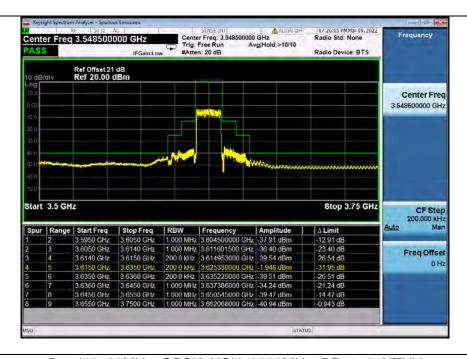
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### Band48\_20MHz\_QPSK\_MCH\_3625MHz\_RB\_100\_0\_NTNV



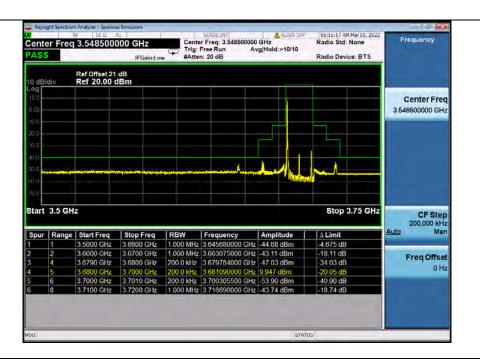
Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_0\_NTNV



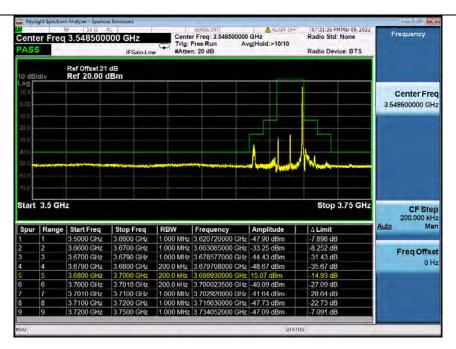
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Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_1\_99\_NTNV



Band48\_20MHz\_QPSK\_HCH\_3690MHz\_RB\_100\_0\_NTNV



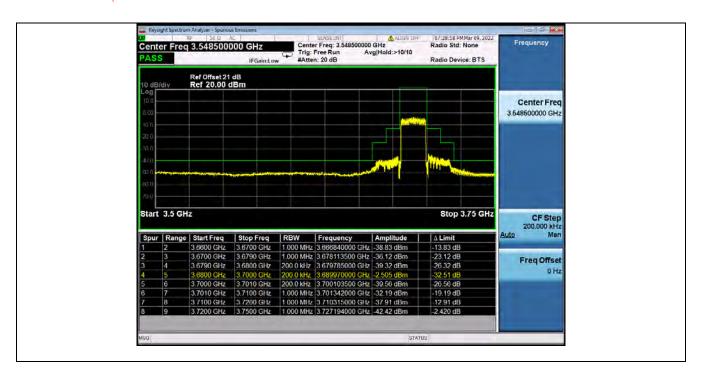
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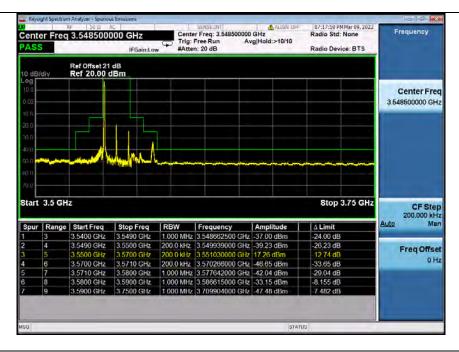
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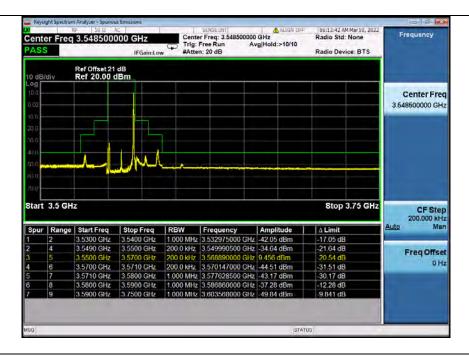


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# Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV



#### Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_1\_99\_NTNV



Band48\_20MHz\_16QAM\_LCH\_3560MHz\_RB\_100\_0\_NTNV

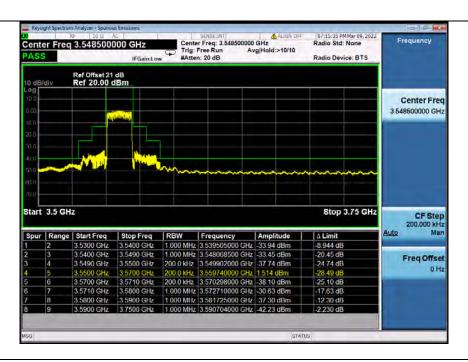


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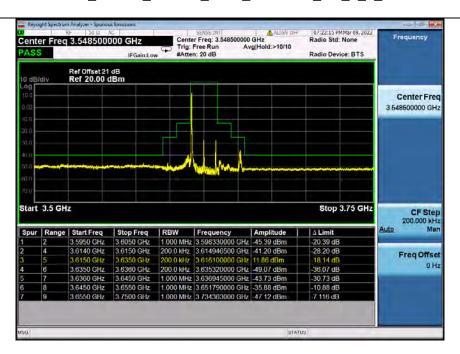
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Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



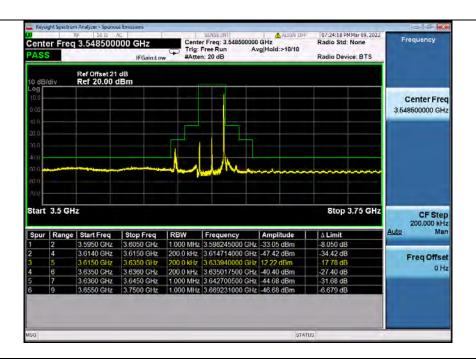
Band48\_20MHz\_16QAM\_MCH\_3625MHz\_RB\_1\_99\_NTNV



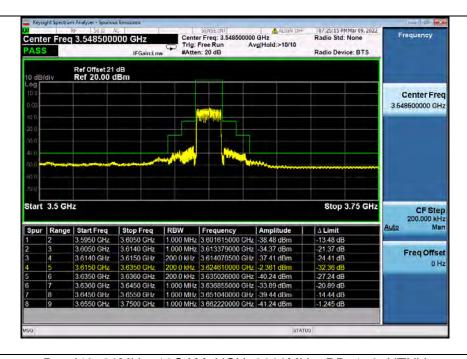
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### Band48\_20MHz\_16QAM MCH\_3625MHz\_RB\_100\_0\_NTNV



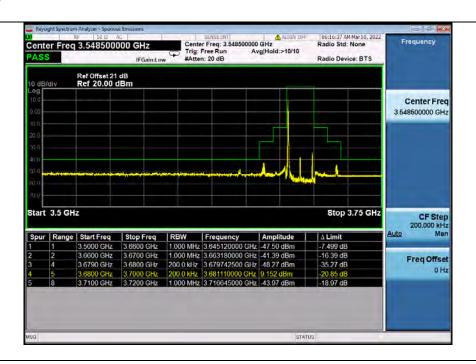
Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV



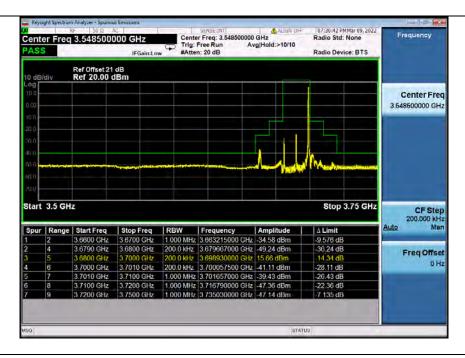
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# Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_1\_99\_NTNV



Band48\_20MHz\_16QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV



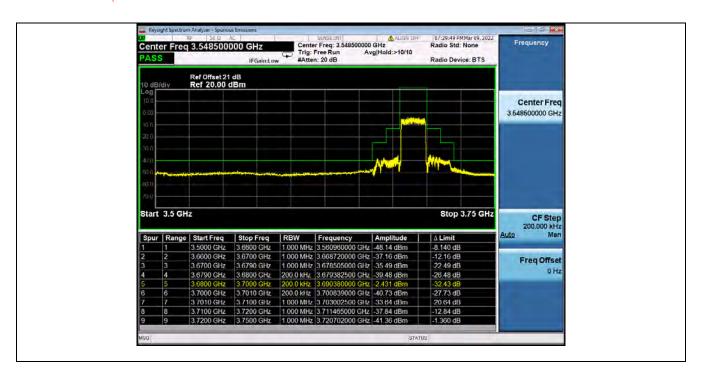
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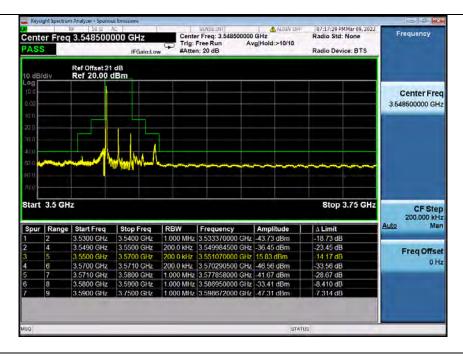
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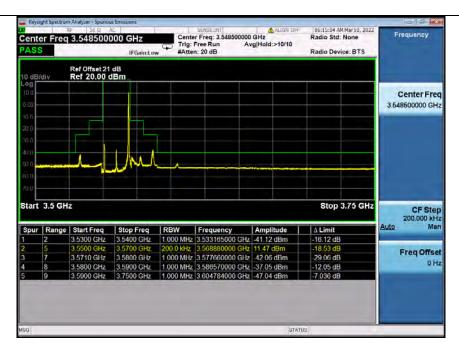


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# Band48\_20MHz\_64QAM\_LCH\_3560MHz\_RB\_1\_0\_NTNV



# Band48\_20MHz\_64QAM\_LCH\_3560MHz\_RB\_1\_99\_NTNV



Band48\_20MHz\_64QAM\_LCH\_3560MHz\_RB\_100\_0\_NTNV



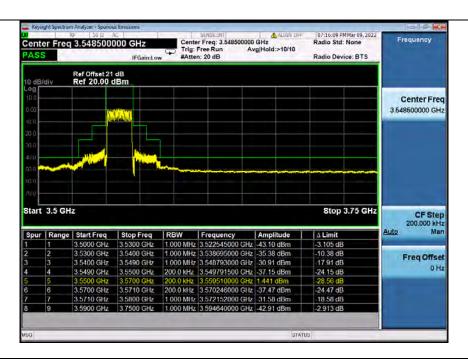
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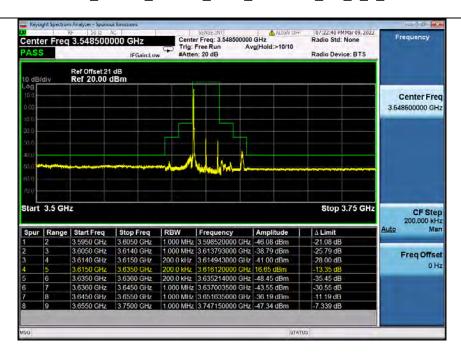
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### Band48\_20MHz\_64QAM\_MCH\_3625MHz\_RB\_1\_0\_NTNV



Band48\_20MHz\_64QAM\_MCH\_3625MHz\_RB\_1\_99\_NTNV

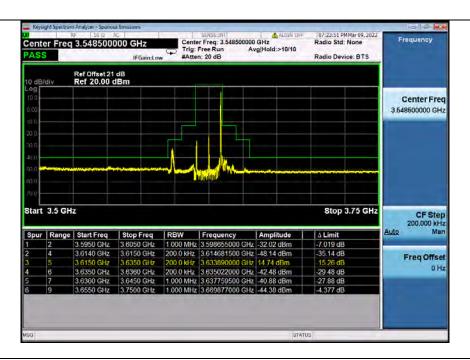


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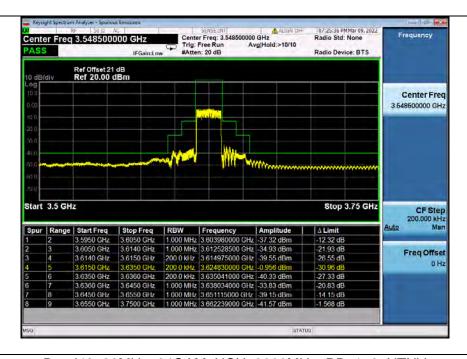
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### Band48\_20MHz\_64QAM MCH\_3625MHz\_RB\_100\_0\_NTNV



Band48\_20MHz\_64QAM\_HCH\_3690MHz\_RB\_1\_0\_NTNV

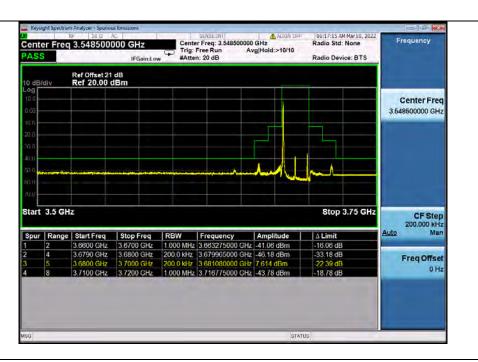


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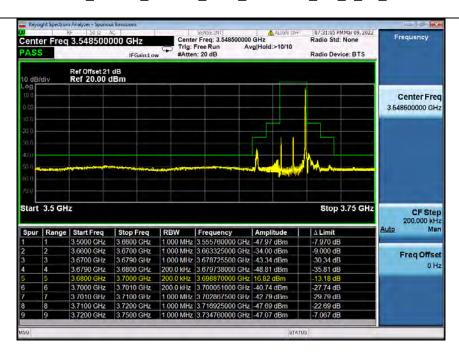
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### Band48\_20MHz\_64QAM\_HCH\_3690MHz\_RB\_1\_99\_NTNV



Band48\_20MHz\_64QAM\_HCH\_3690MHz\_RB\_100\_0\_NTNV



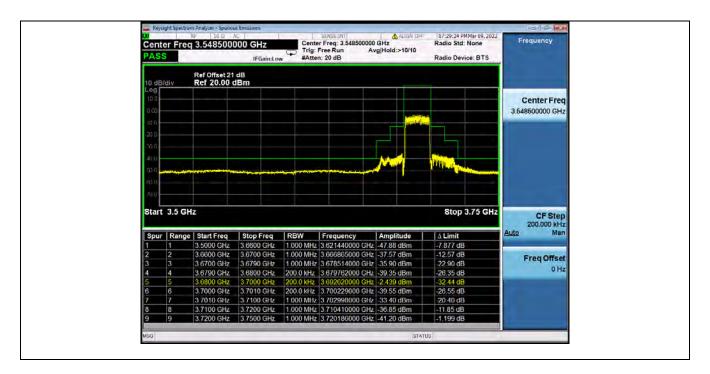
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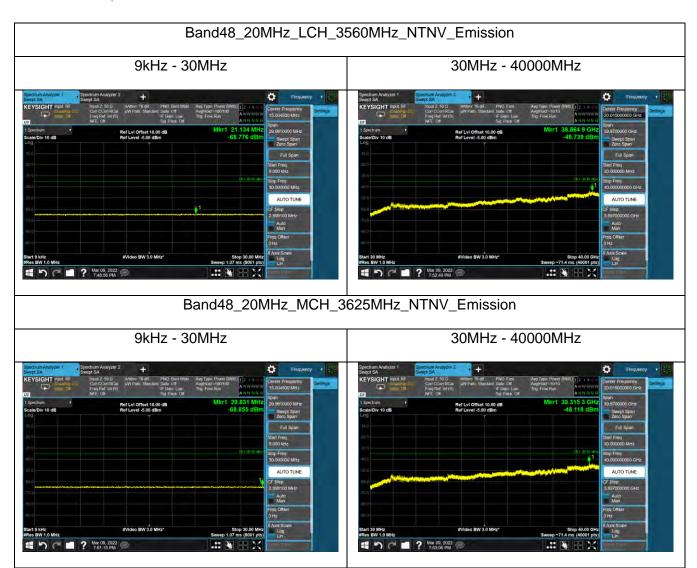
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# Band48\_20MHz\_HCH\_3690MHz\_NTNV\_Emission

9kHz - 30MHz

30MHz - 40000MHz





Remark: All modulation modes and RB configurations were evaluated, and only presented the test results of the worst modulation mode QPSK and 1 RB configurations in the report.



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