

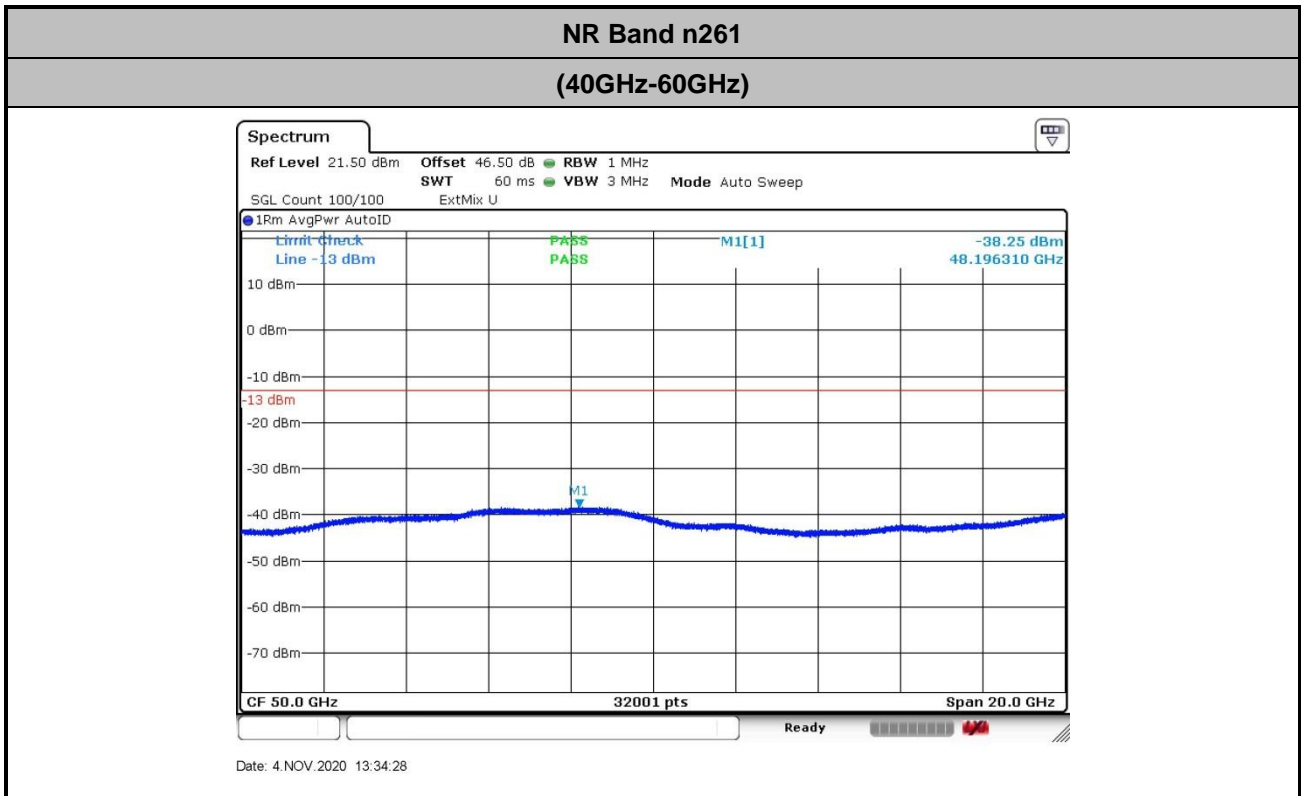


CP-OFDM Module 1

NR Band n261 QPSK (18-40GHz)																			
<p>Lowest Channel / 200MHz</p> <table border="1"><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Limit</th></tr></thead><tbody><tr><td>18.000 GHz</td><td>27.000 GHz</td><td>1.000 MHz</td><td>22.13326 GHz</td><td>-33.54 dBm</td><td>-20.54 dB</td></tr><tr><td>29.000 GHz</td><td>40.000 GHz</td><td>1.000 MHz</td><td>39.49997 GHz</td><td>-31.25 dBm</td><td>-18.25 dB</td></tr></tbody></table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	27.000 GHz	1.000 MHz	22.13326 GHz	-33.54 dBm	-20.54 dB	29.000 GHz	40.000 GHz	1.000 MHz	39.49997 GHz	-31.25 dBm	-18.25 dB	<p>intentionally blank</p>
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<p>Middle Channel / 200MHz</p> <table border="1"><thead><tr><th>Range Low</th><th>Range Up</th><th>RBW</th><th>Frequency</th><th>Power Abs</th><th>Limit</th></tr></thead><tbody><tr><td>18.000 GHz</td><td>27.000 GHz</td><td>1.000 MHz</td><td>22.24238 GHz</td><td>-33.71 dBm</td><td>-20.71 dB</td></tr><tr><td>29.000 GHz</td><td>40.000 GHz</td><td>1.000 MHz</td><td>39.97061 GHz</td><td>-32.87 dBm</td><td>-18.87 dB</td></tr></tbody></table>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	27.000 GHz	1.000 MHz	22.24238 GHz	-33.71 dBm	-20.71 dB	29.000 GHz	40.000 GHz	1.000 MHz	39.97061 GHz	-32.87 dBm	-18.87 dB	<p>intentionally blank</p>
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There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.

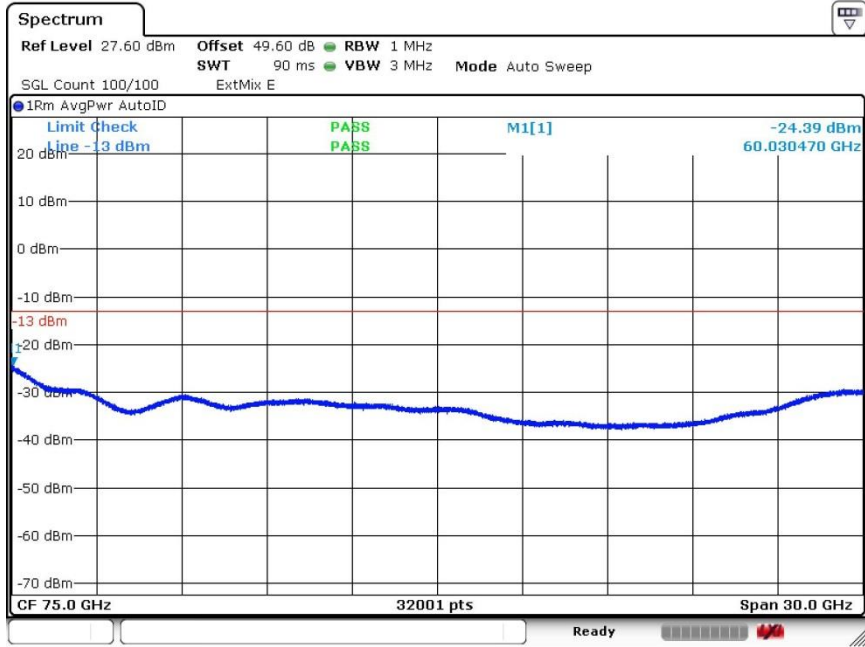


$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.3 + 2 + 107 + 20\log(1) - 104.8 \\
 &= 46.5 \text{ (dB)}
 \end{aligned}$$



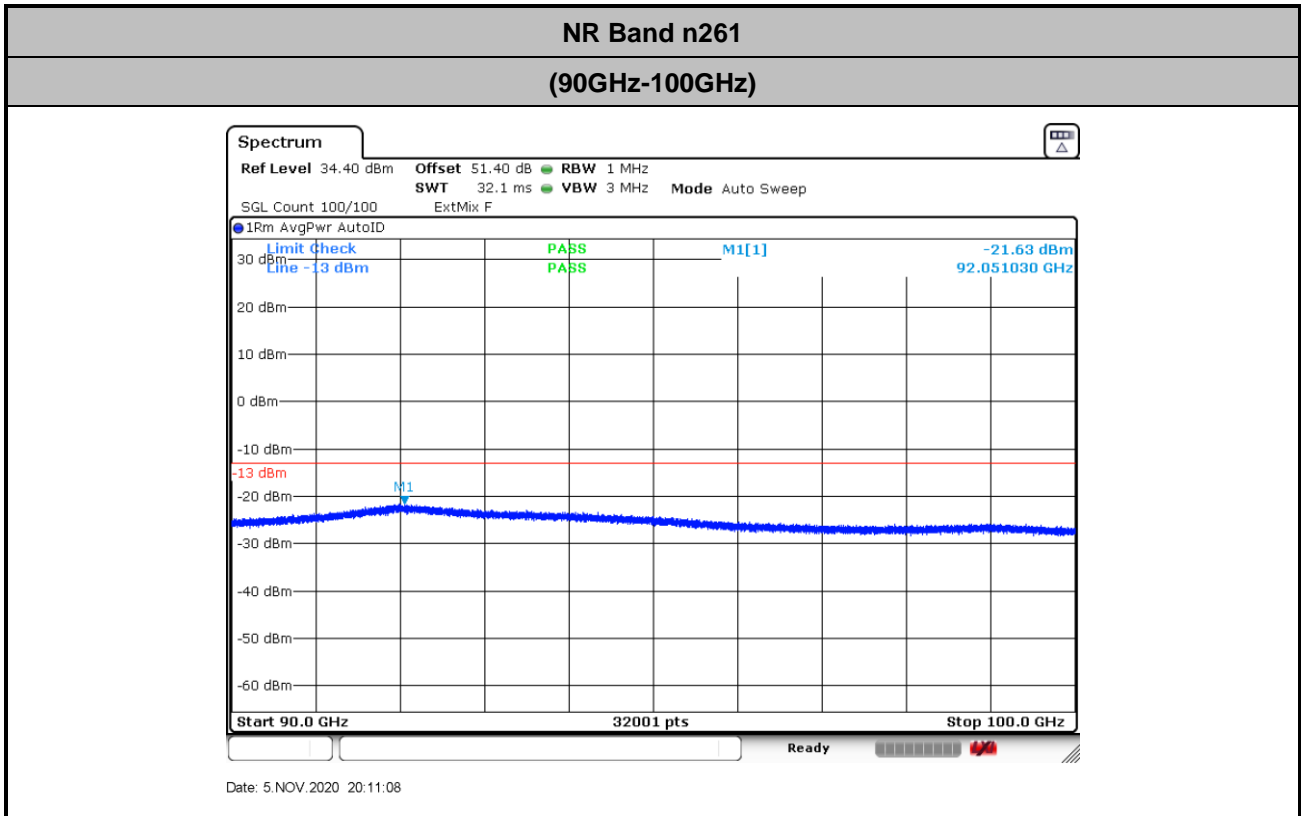
NR Band n261

(60GHz-90GHz)



Date: 4.NOV.2020 13:35:29

$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 45.4 + 2 + 107 + 20\log(1) - 104.8 \\
 &= 49.6 \text{ (dB)}
 \end{aligned}$$



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 47.2 + 2 + 107 + 20\log(1) - 104.8 \\
 &= 51.4 \text{ (dB)}
 \end{aligned}$$



NR Band n261 Module 1 AG0+AG1

Occupied Bandwidth

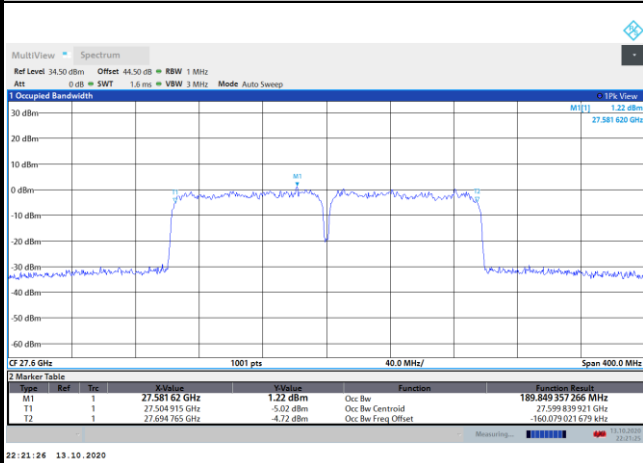
Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	189.84	190.58	190.87
Middle CH	189.98	190.30	190.40
Highest CH	190.03	190.77	191.07



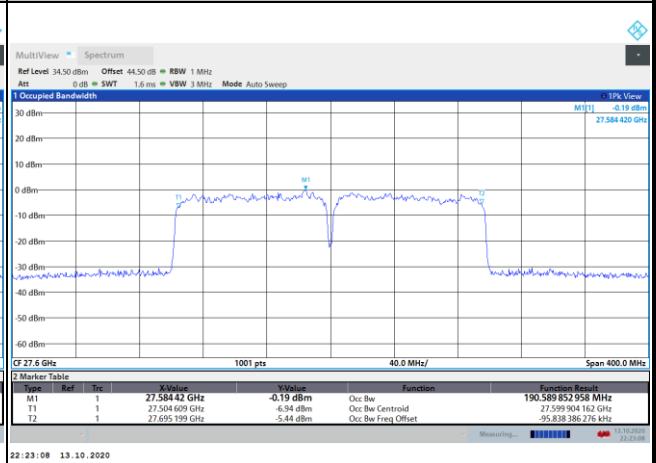
CP-OFDM Module 1

NR Band n261

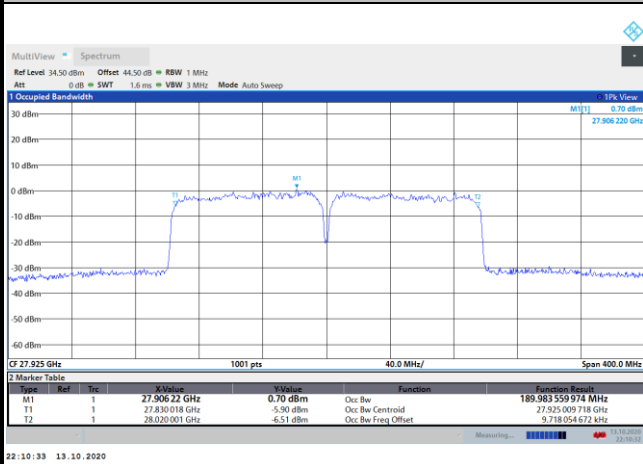
Lowest Channel / 200MHz / QPSK



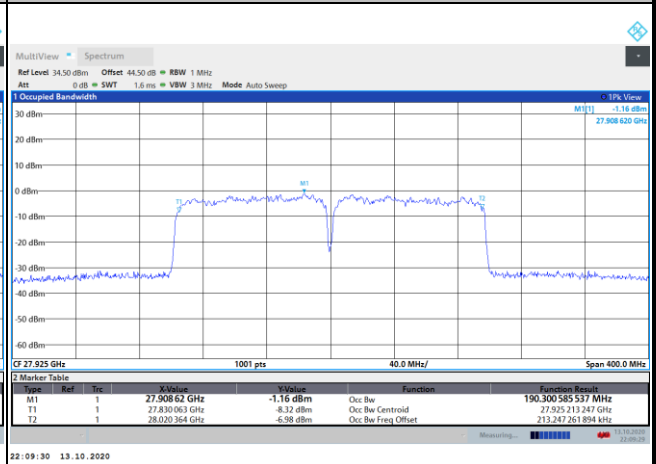
Lowest Channel / 200MHz / 16QAM



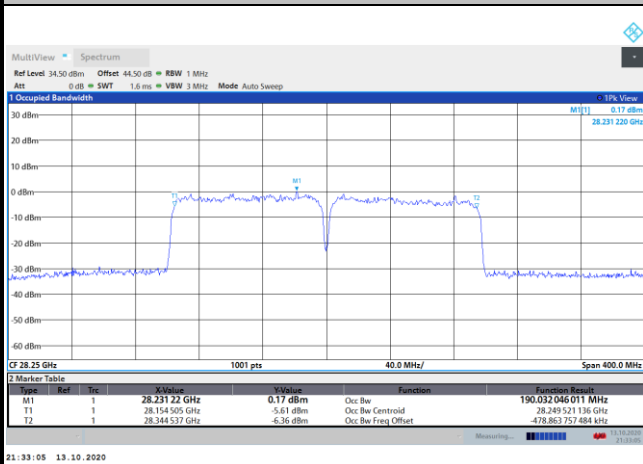
Middle Channel / 200MHz / QPSK



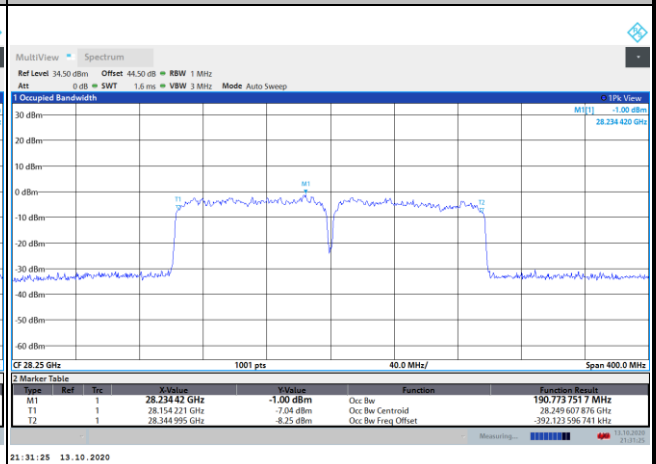
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

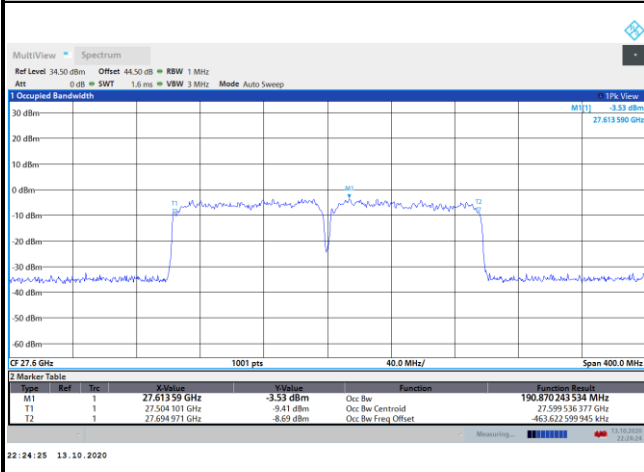




CP-OFDM Module 1

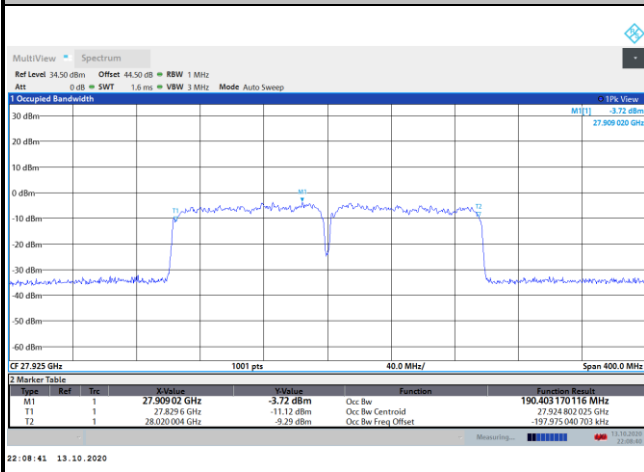
NR Band n261

Lowest Channel / 200MHz / 64QAM



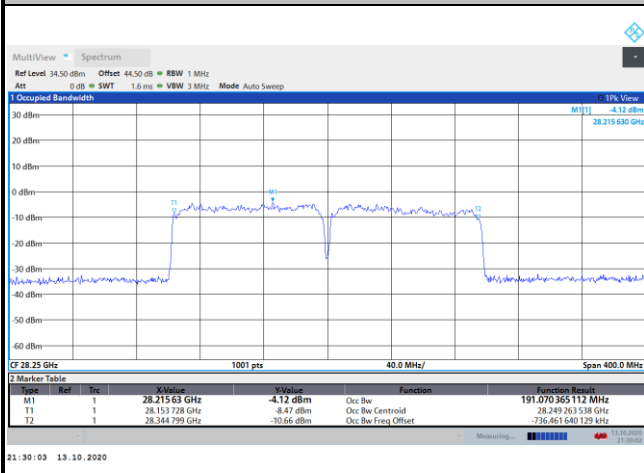
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Middle Channel / 200MHz / 64QAM



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Highest Channel / 200MHz / 64QAM



intentionally blank



Radiated Out of Band Emissions

Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-27.21	-27.61	-28.76
	>10%OB	≤ -13	-29.88	-29.52	-33.28
High CH	0~10%OB	≤ -5	-31.33	-31.47	-32.36
	>10%OB	≤ -13	-34.01	-34.12	-38.47
Result			Compliance		

Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-34.67	-37.06	-39.82
	>10%OB	≤ -13	-35.46	-37.87	-41.03
High CH	0~10%OB	≤ -5	-37.38	-39.82	-41.91
	>10%OB	≤ -13	-38.05	-40.74	-42.9
Result			Compliance		

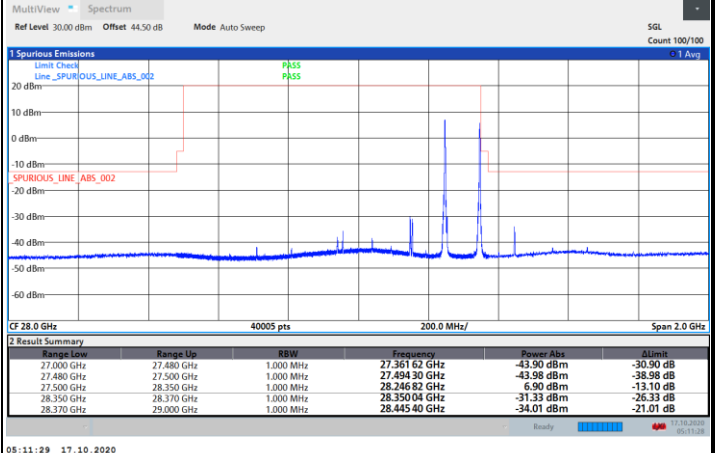
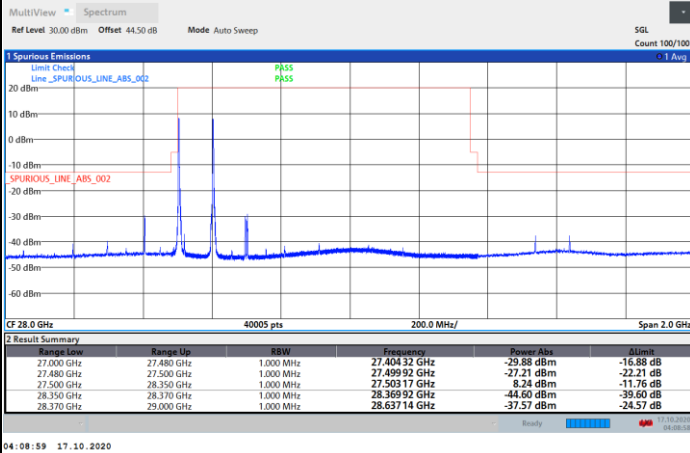


CP-OFDM Module 1

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB

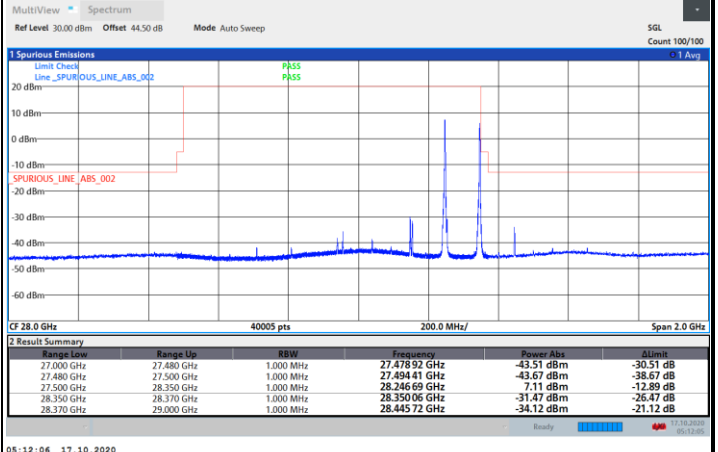
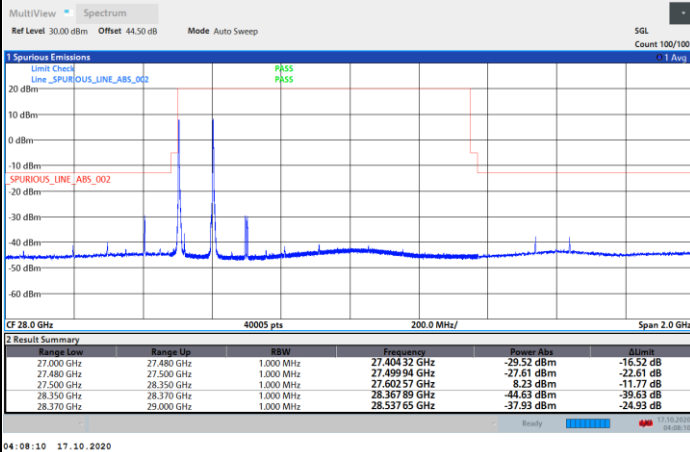
Highest Band Edge / 1 RB



NR Band n261 / 200MHz / 16QAM

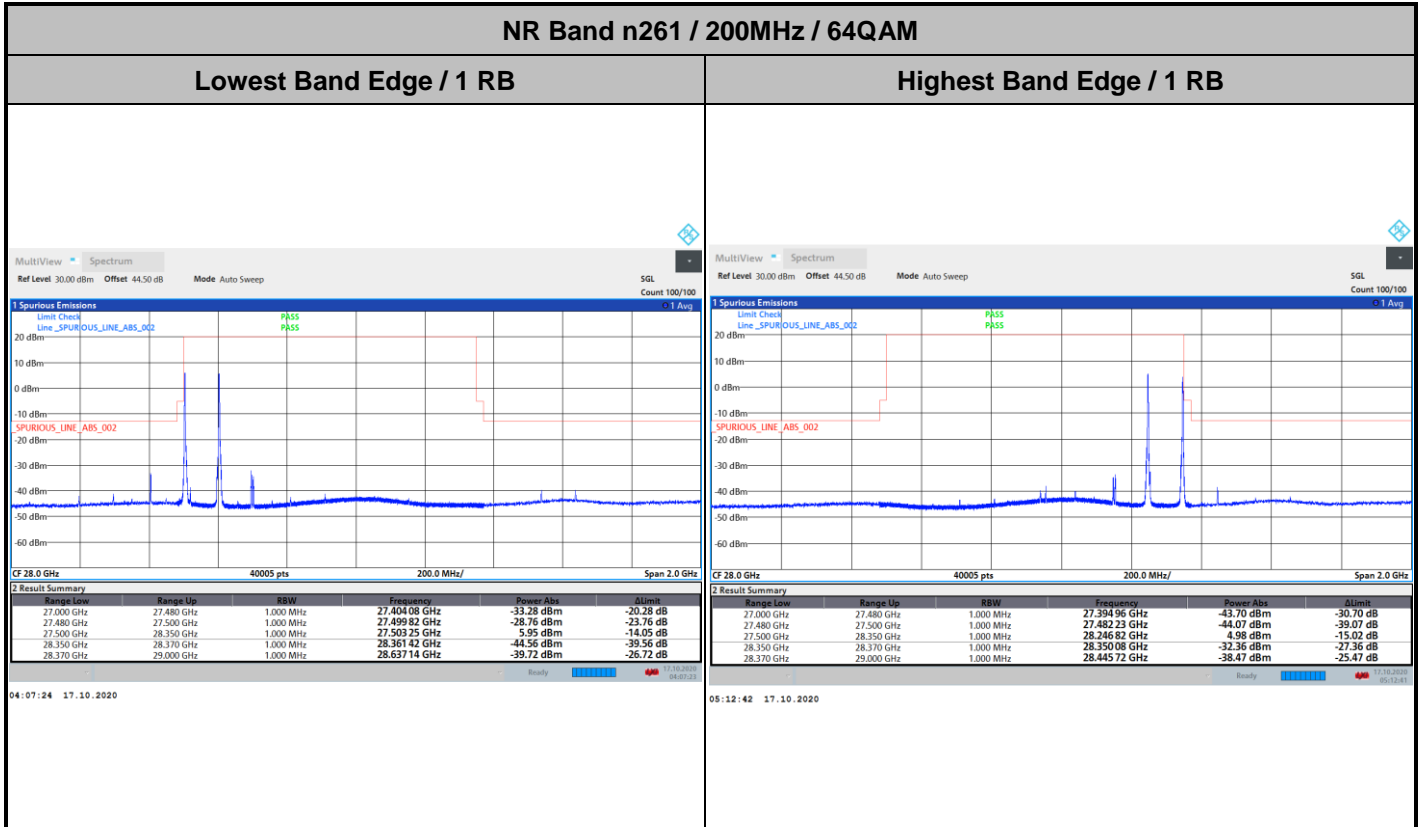
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



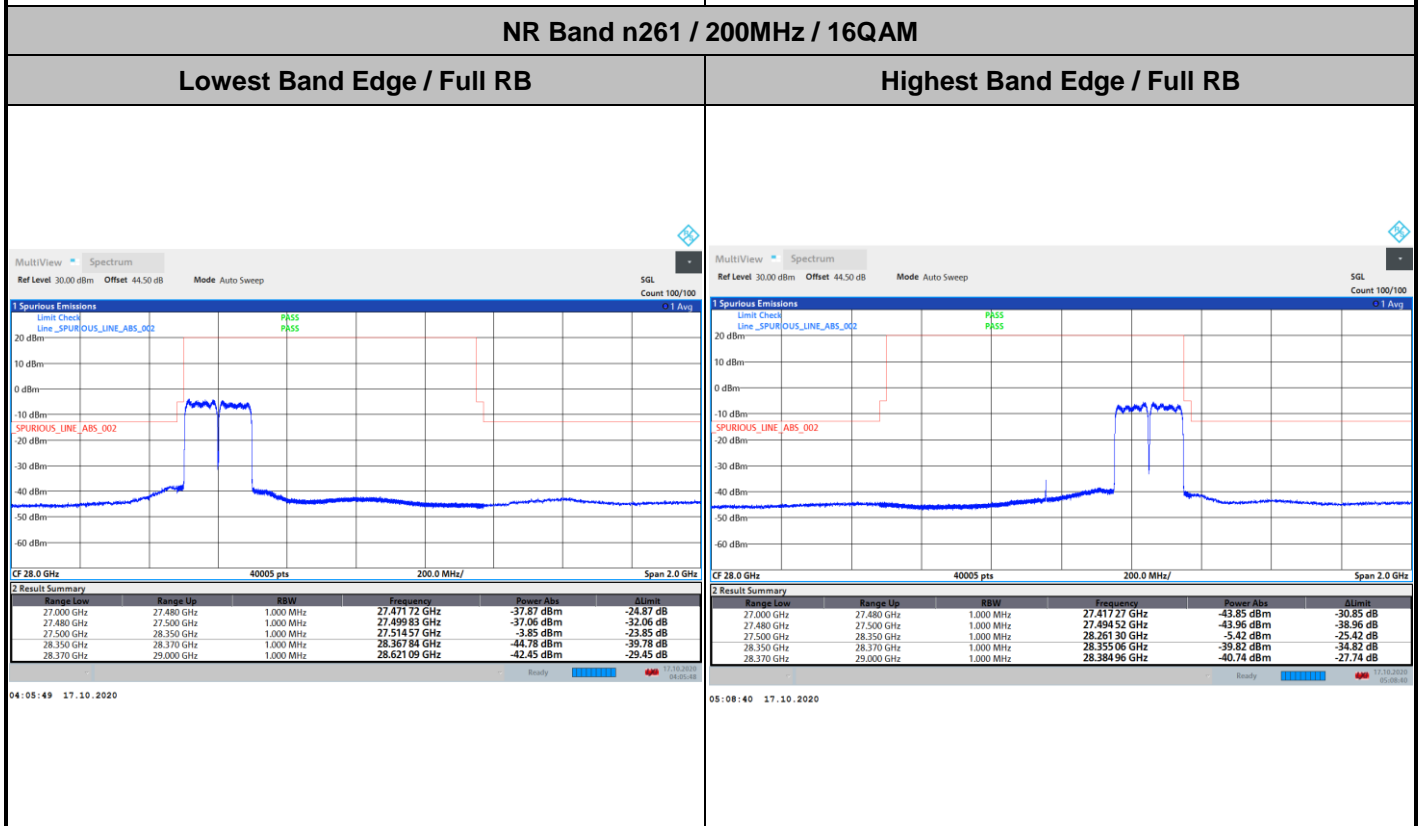
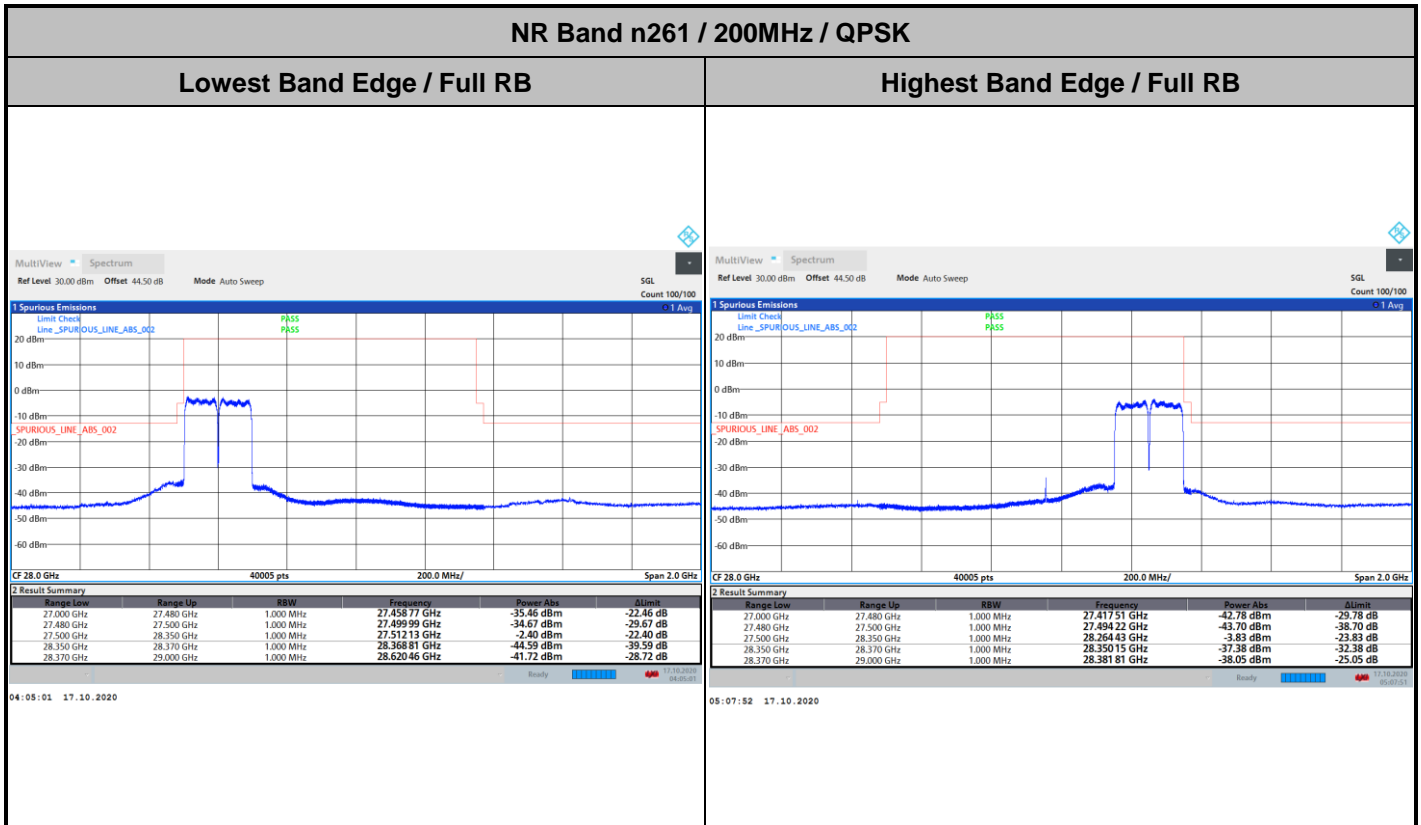


CP-OFDM Module 1



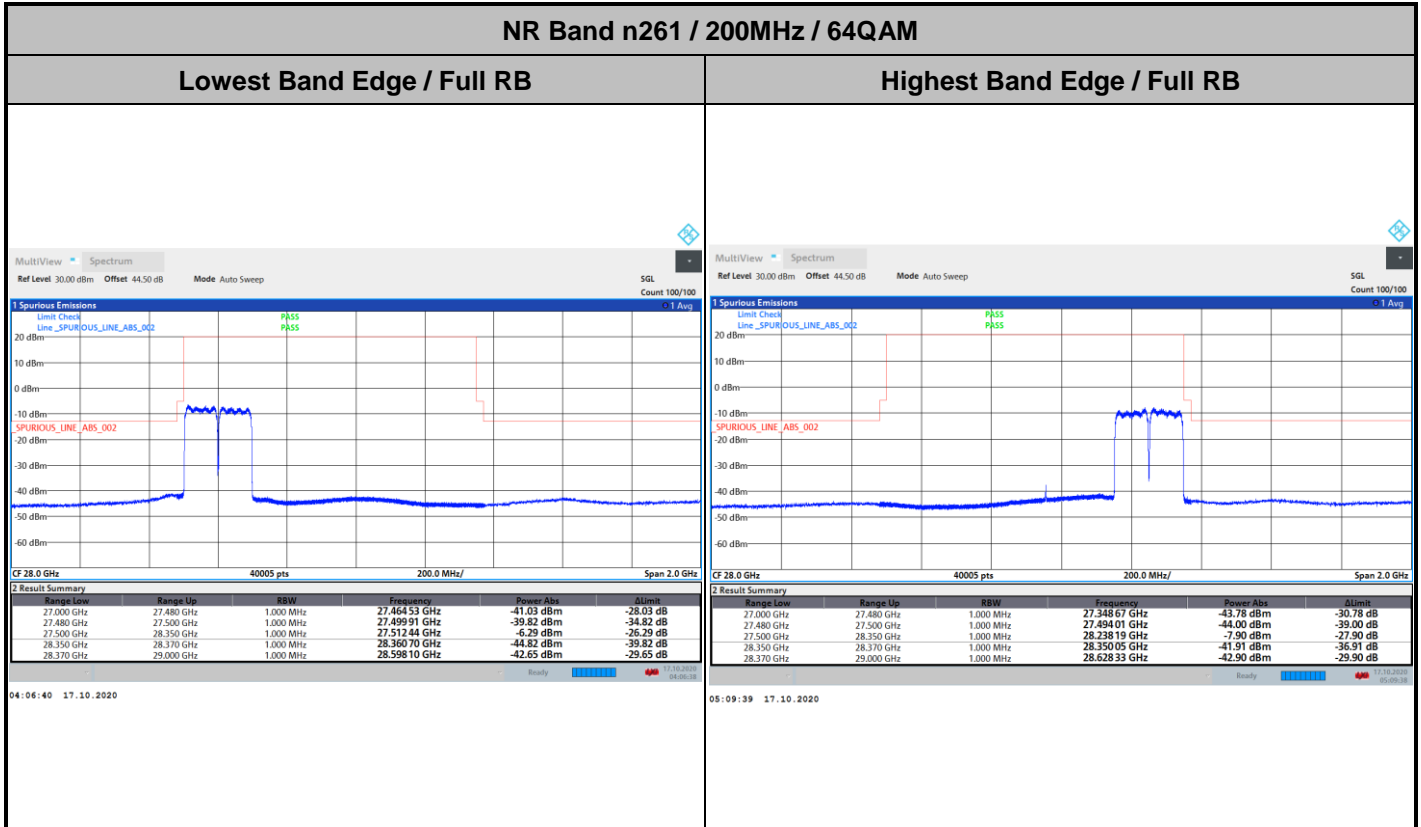


CP-OFDM Module 1





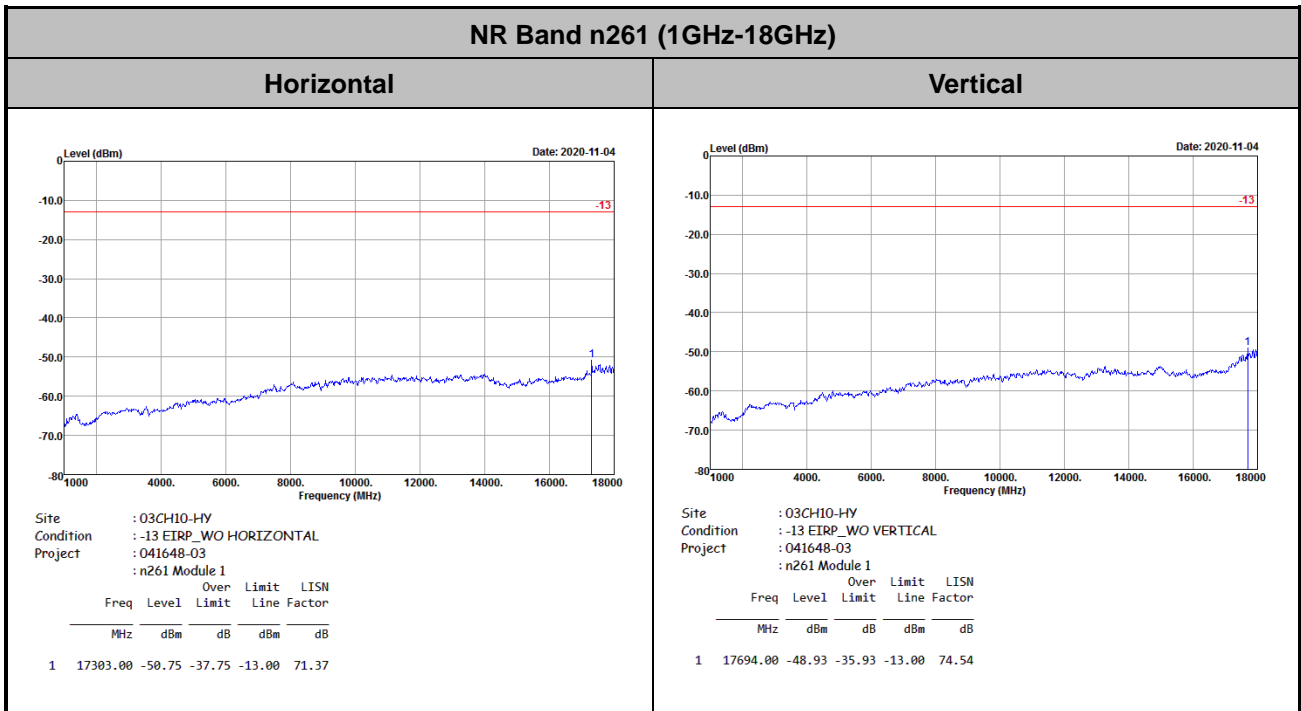
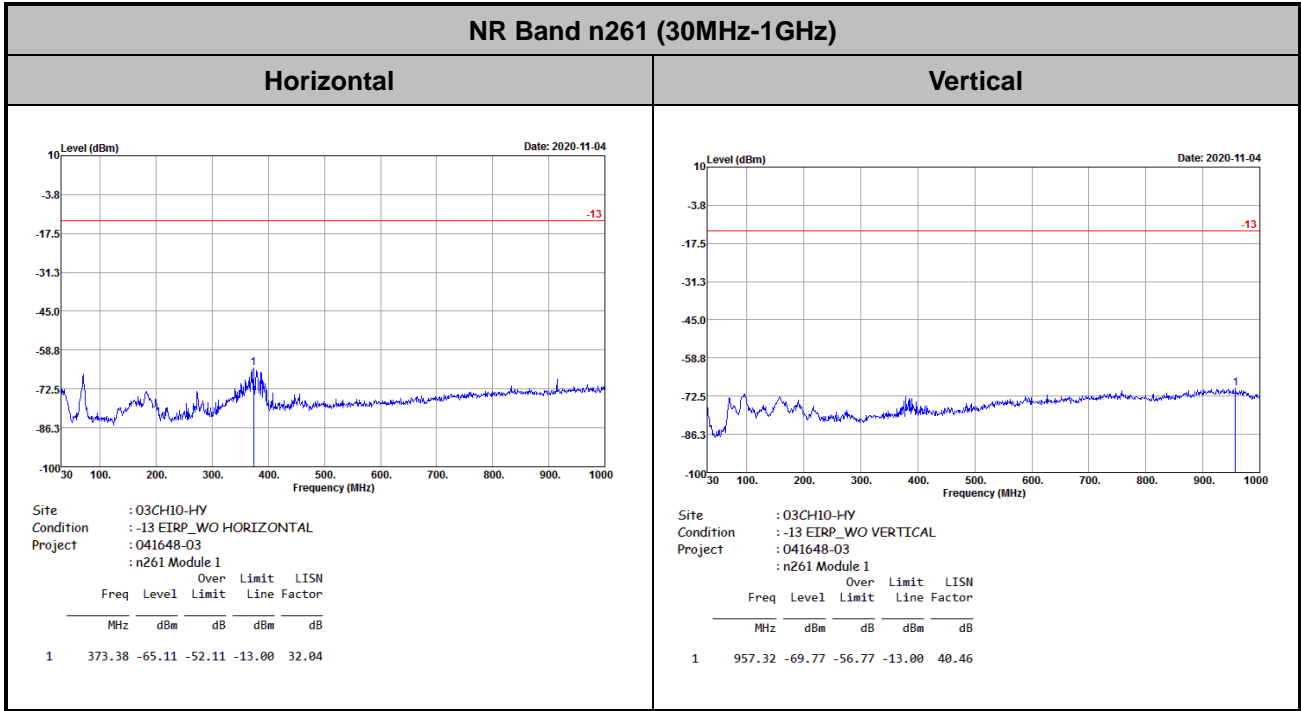
CP-OFDM Module 1





Spurious Emission

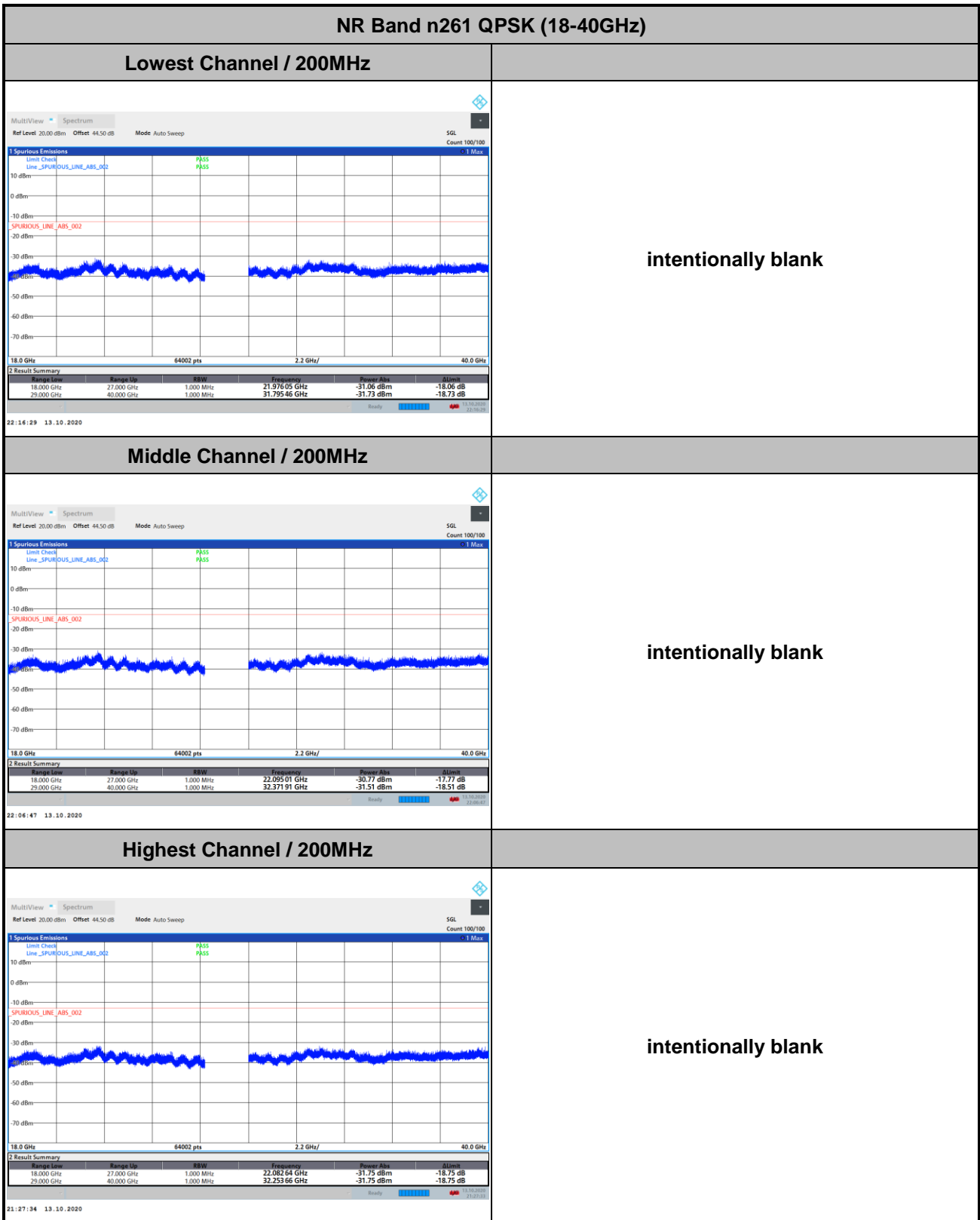
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





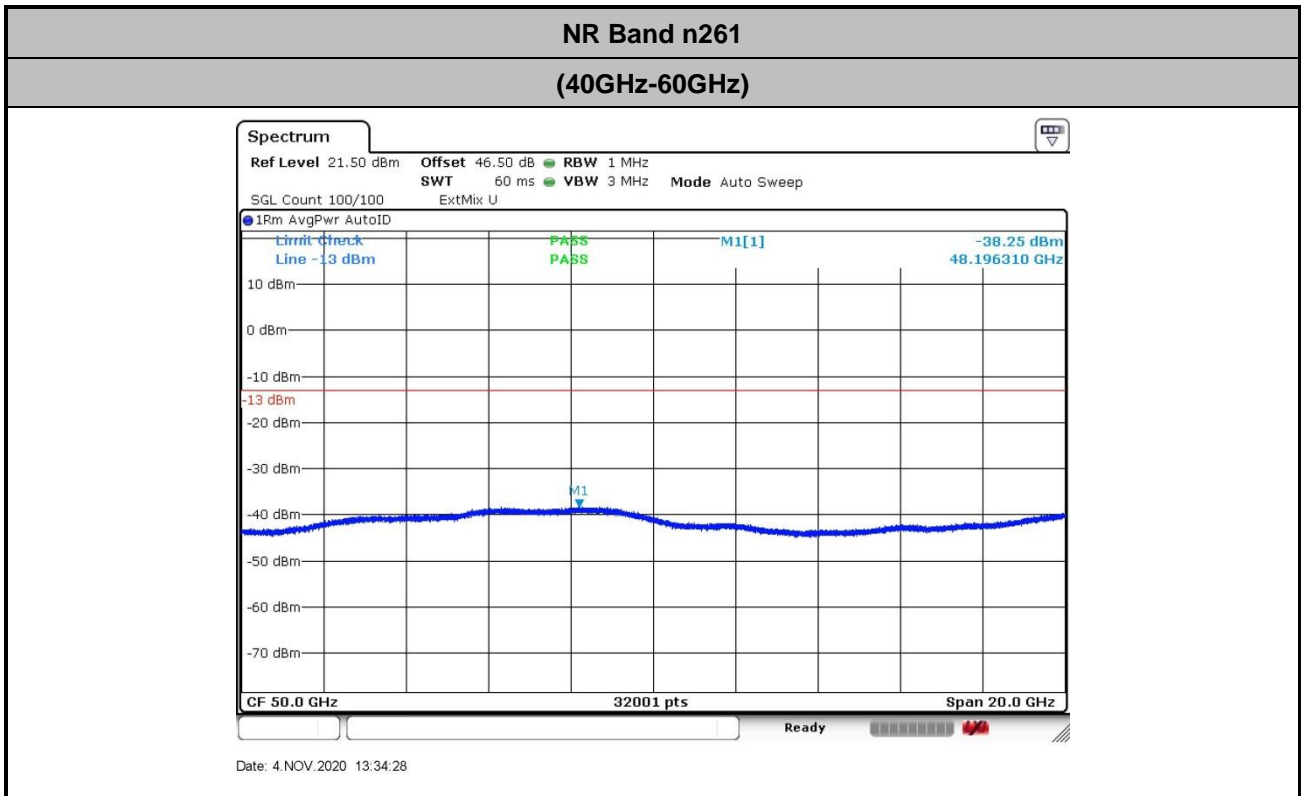
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

CP-OFDM Module 1





There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.

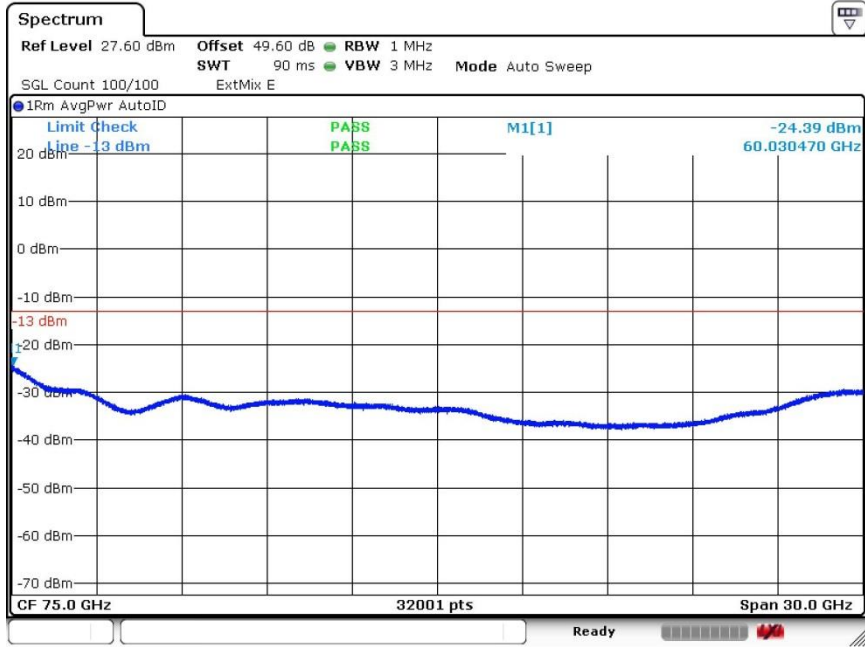


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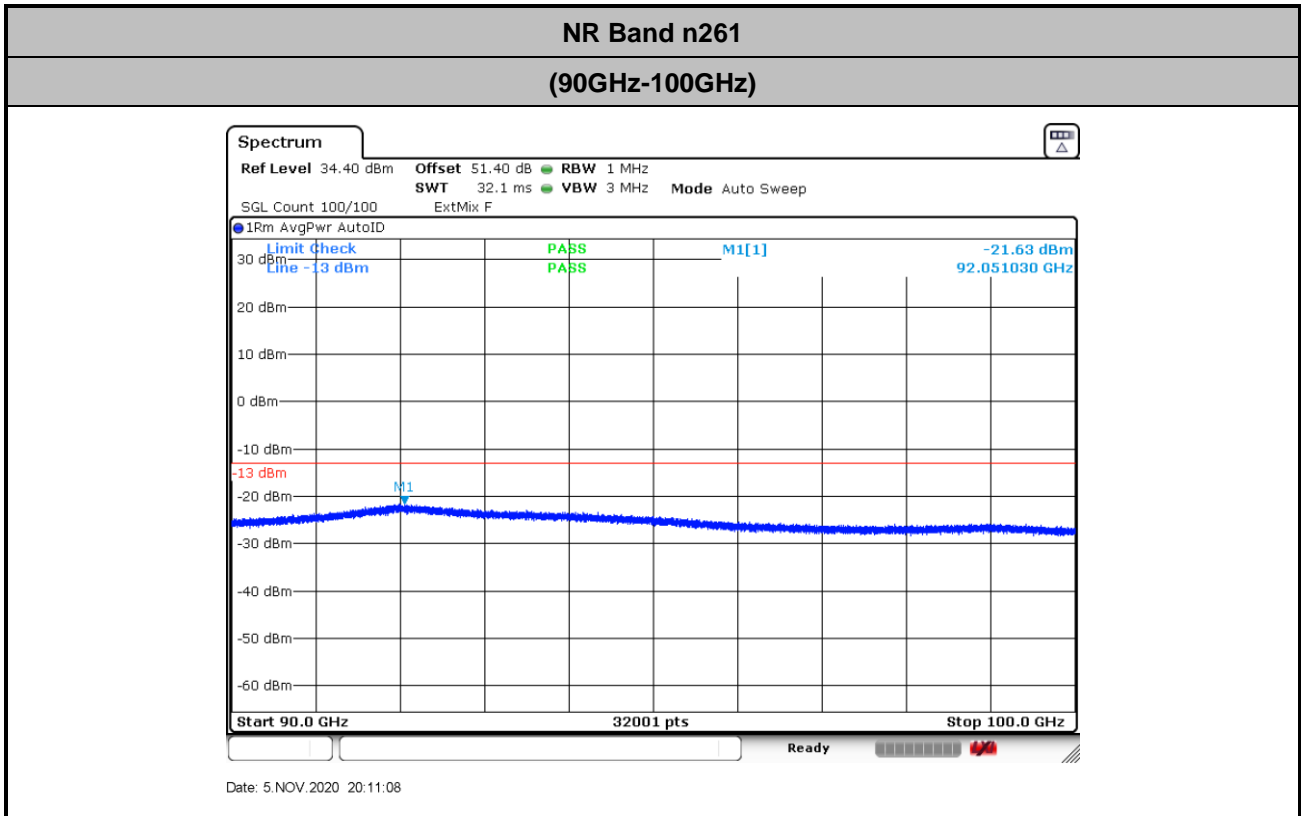
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