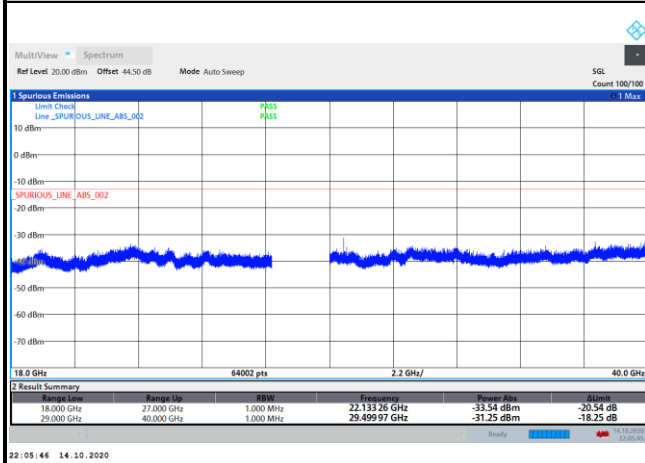




CP-OFDM Module 1

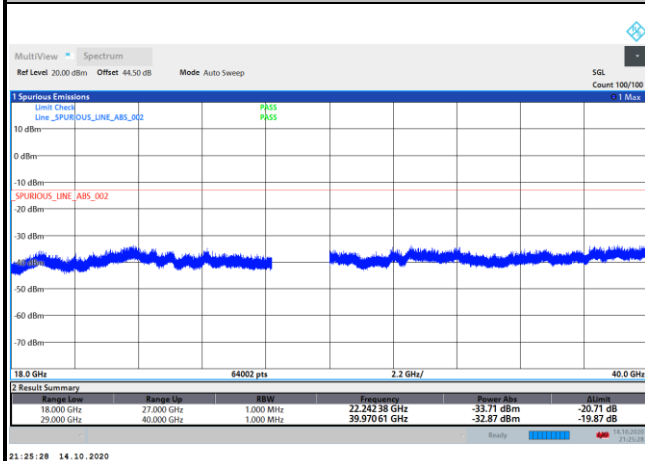
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



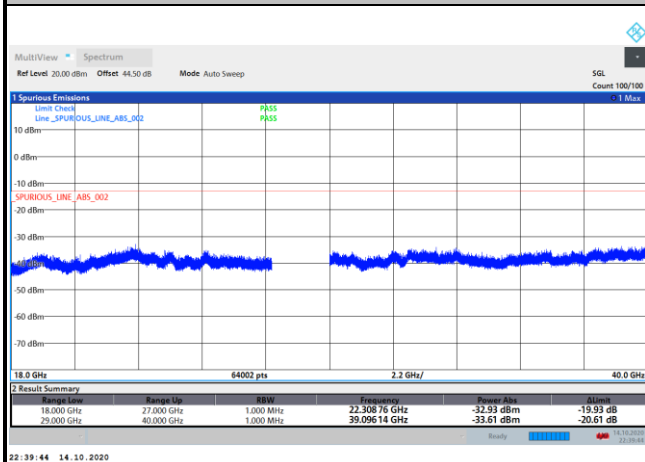
intentionally blank

Middle Channel / 200MHz



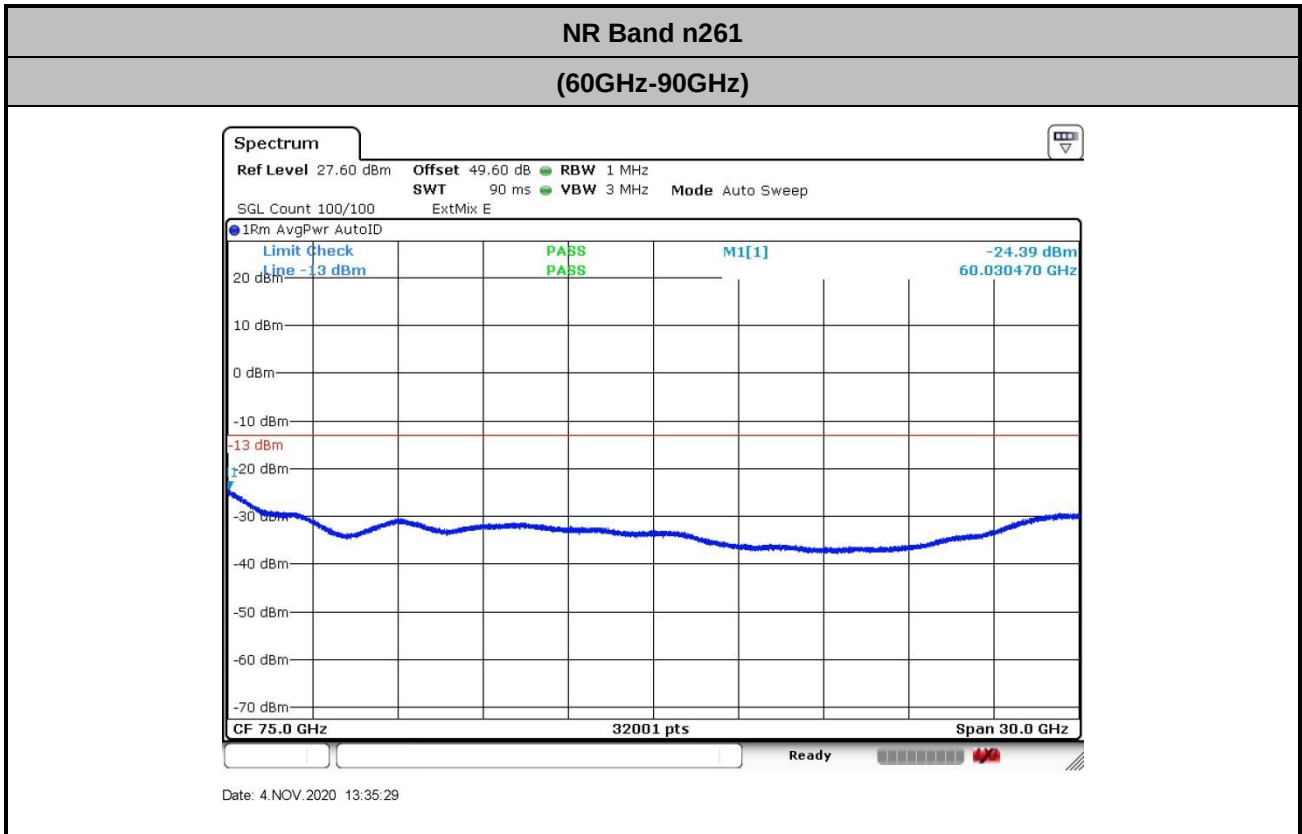
intentionally blank

Highest Channel / 200MHz

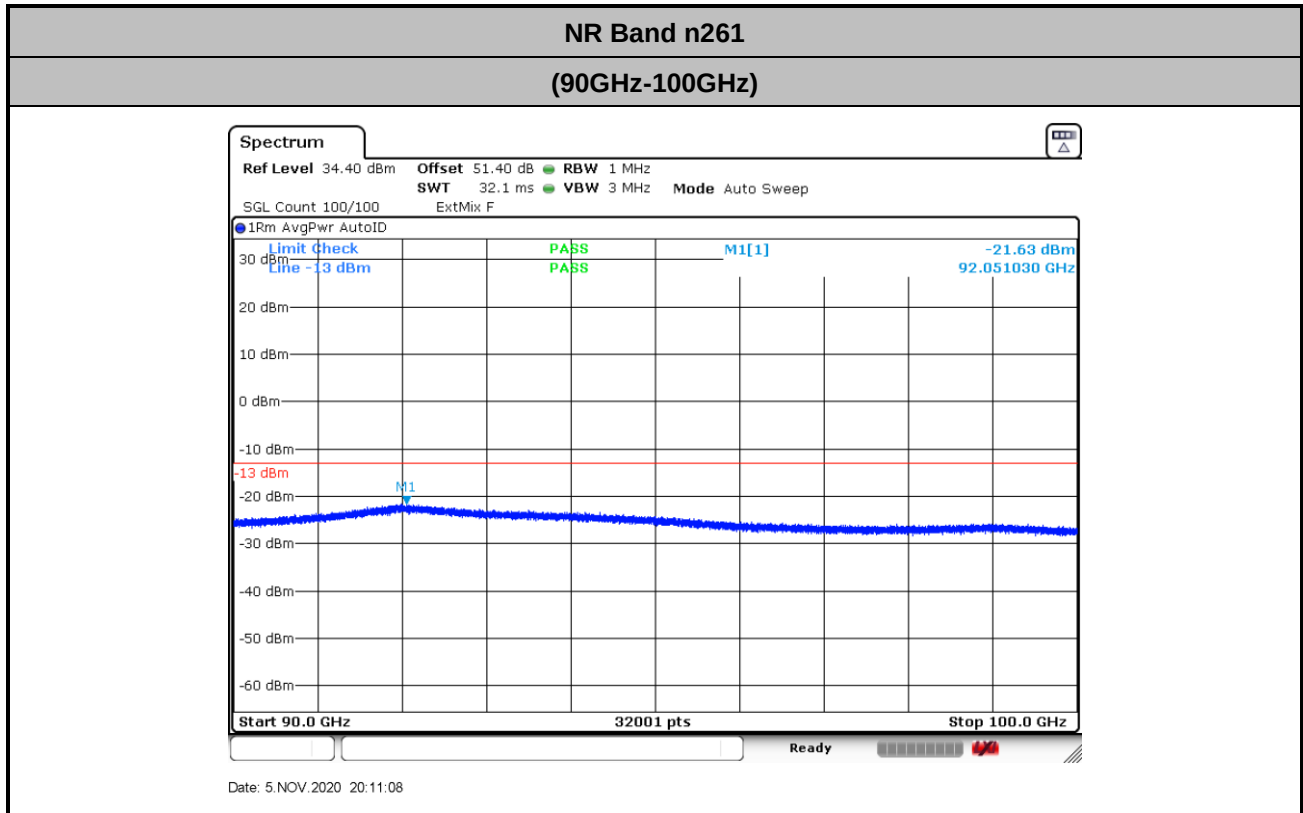


intentionally blank





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



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

**NR Band n261 Module 1 AG0+AG1****Occupied Bandwidth**

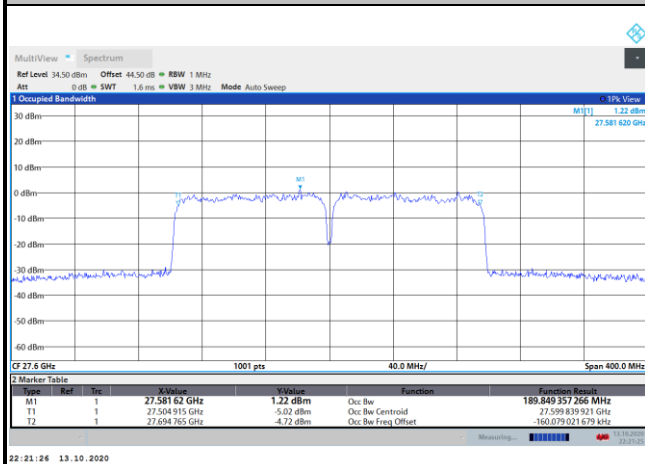
Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	189.84	190.58	190.87
Middle CH	189.98	190.30	190.40
Highest CH	190.03	190.77	191.07



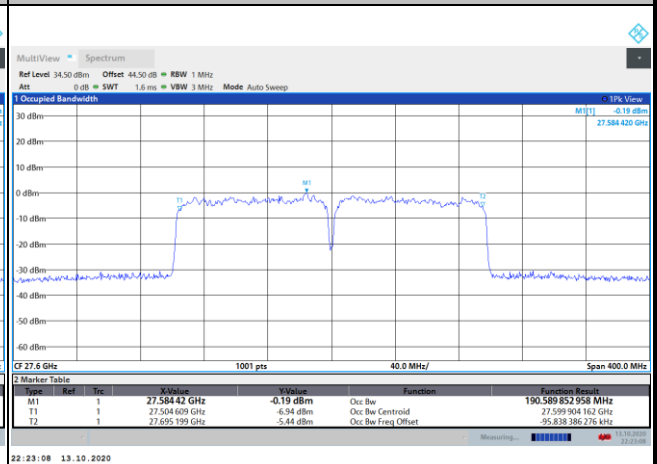
CP-OFDM Module 1

NR Band n261

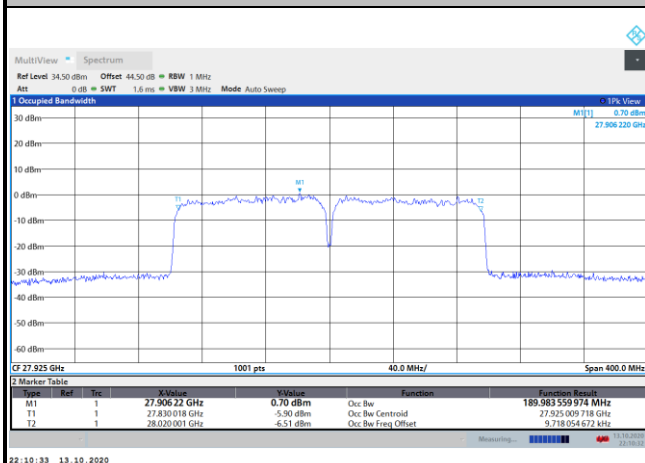
Lowest Channel / 200MHz / QPSK



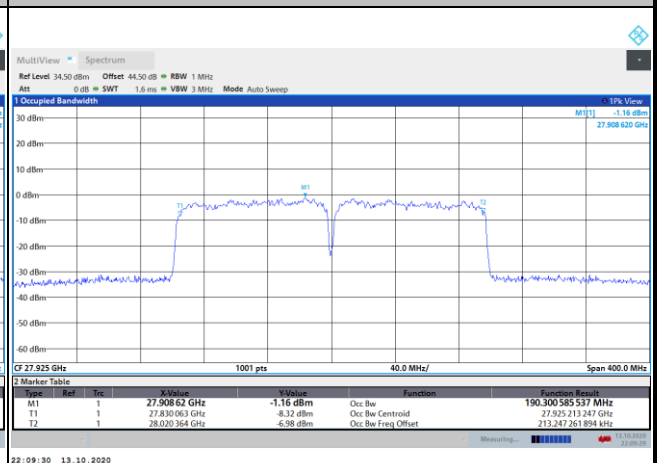
Lowest Channel / 200MHz / 16QAM



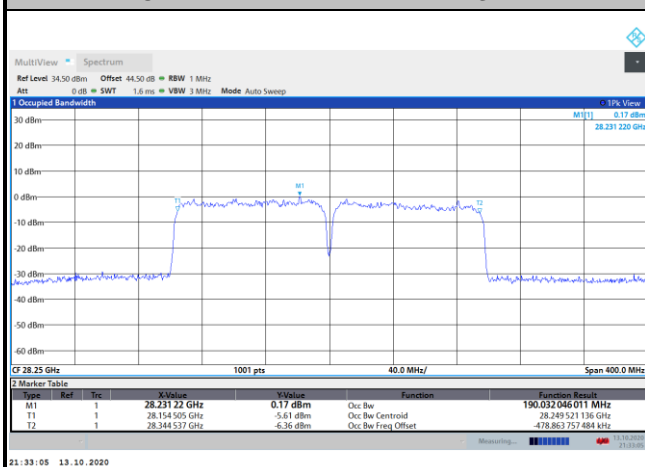
Middle Channel / 200MHz / QPSK



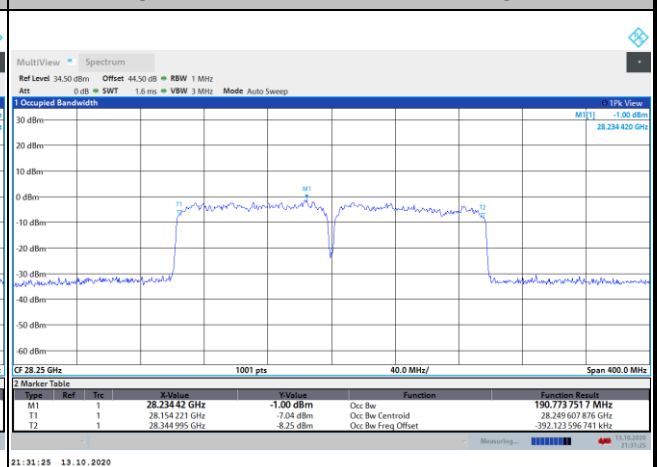
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

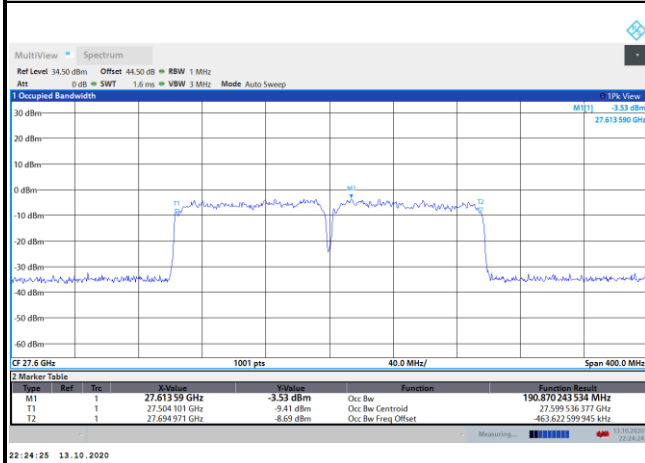




CP-OFDM Module 1

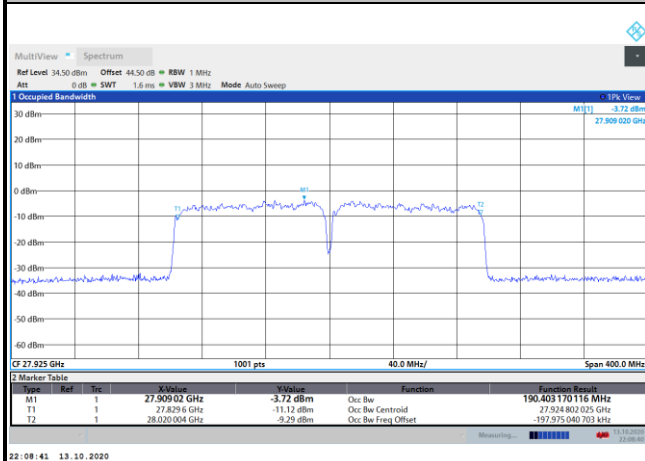
NR Band n261

Lowest Channel / 200MHz / 64QAM



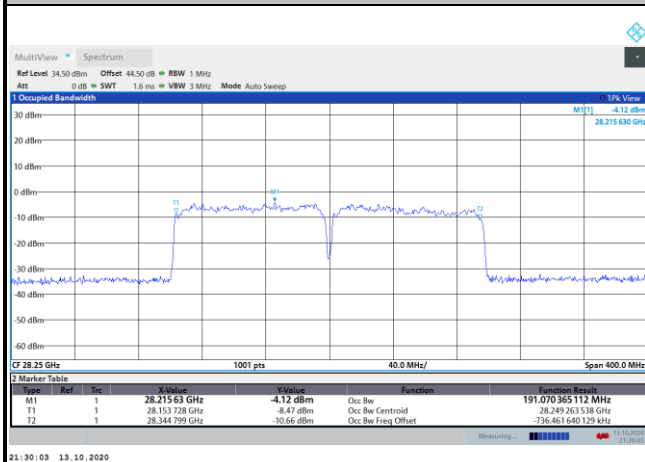
intentionally blank

Middle Channel / 200MHz / 64QAM



intentionally blank

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		

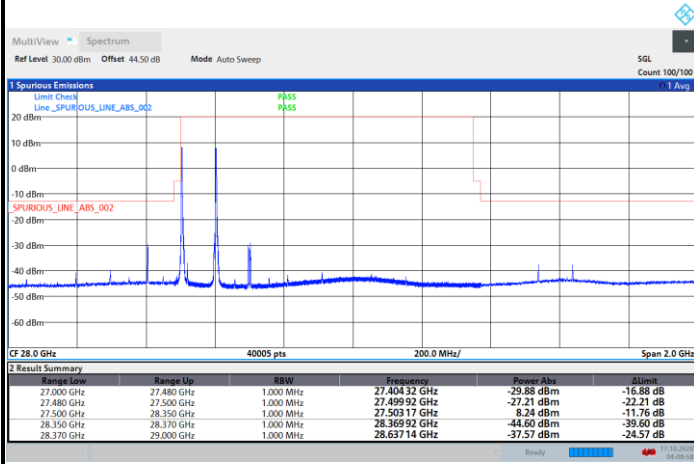
Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) Full RB		
BW			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-34.67	-37.06	-39.82
	>10%OB	≤ -13	-35.46	-37.87	-41.03
High CH	0~10%OB	≤ -5	-37.38	-39.82	-41.91
	>10%OB	≤ -13	-38.05	-40.74	-42.9
Result			Compliance		



CP-OFDM Module 1

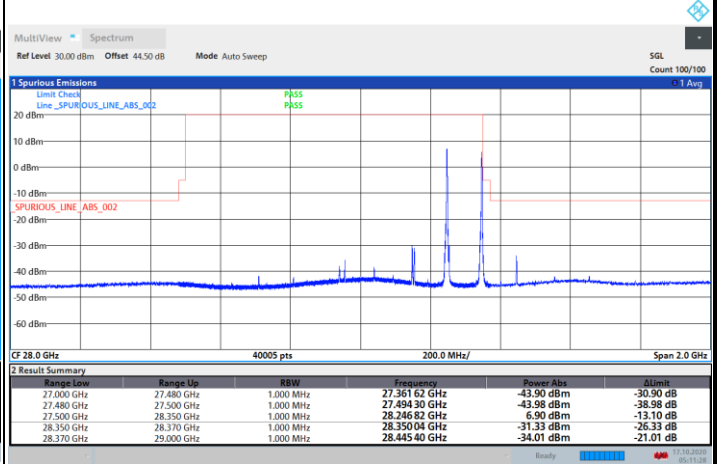
NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB



04:08:19 17.10.2020

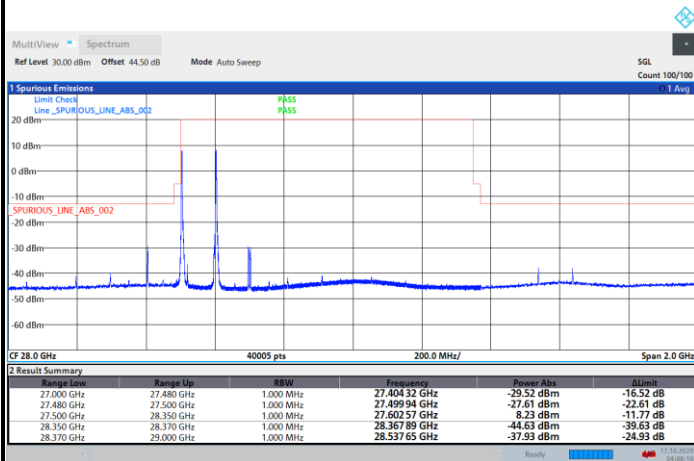
Highest Band Edge / 1 RB



05:11:29 17.10.2020

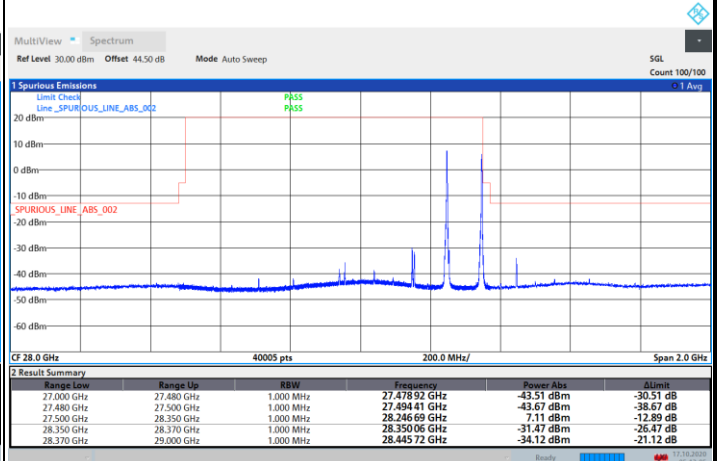
NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / 1 RB



04:08:10 17.10.2020

Highest Band Edge / 1 RB



05:12:06 17.10.2020

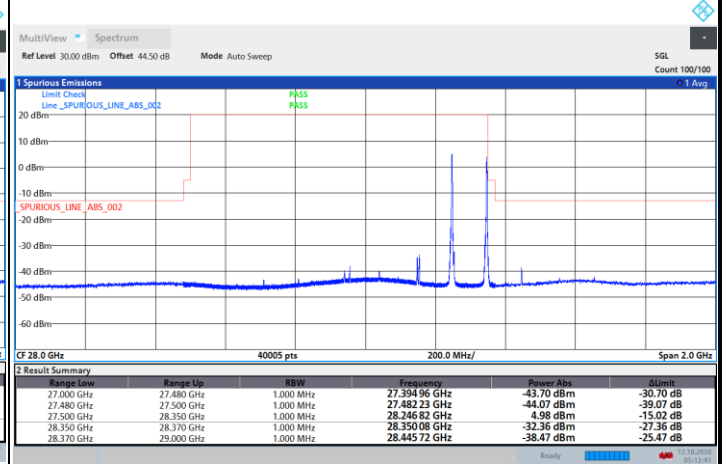
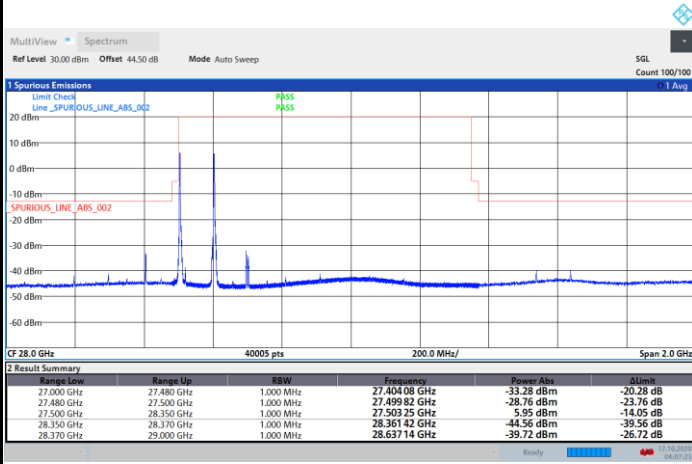


CP-OFDM Module 1

NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

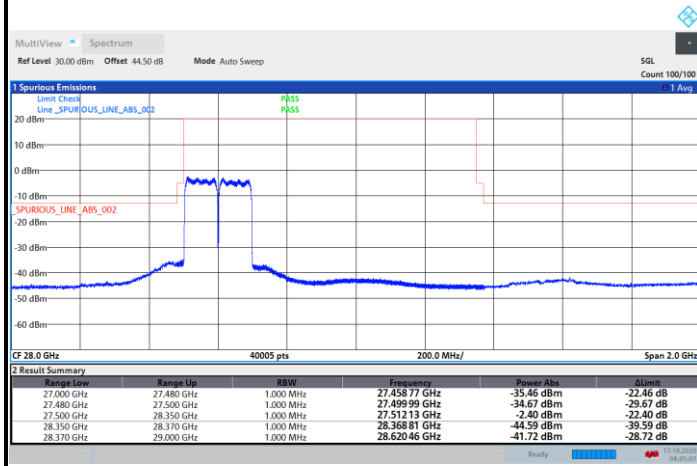




CP-OFDM Module 1

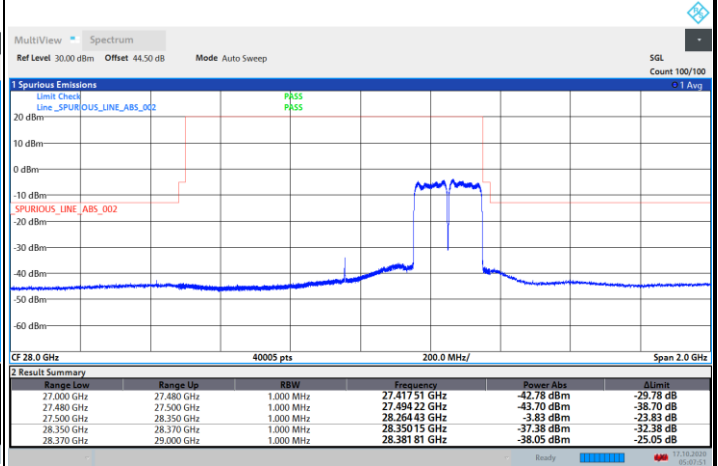
NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB



04:05:01 17.10.2020

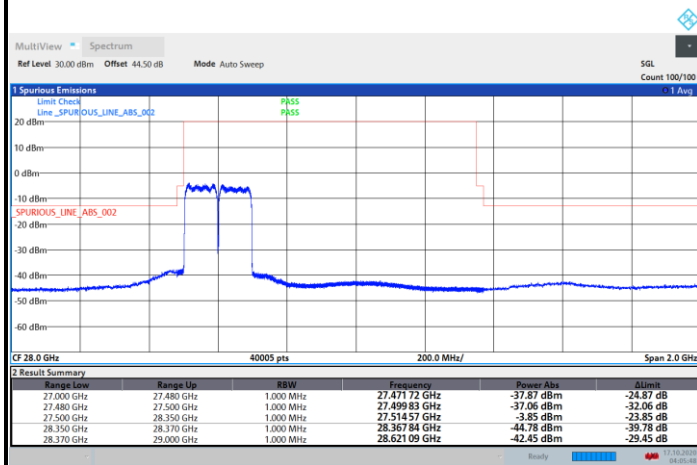
Highest Band Edge / Full RB



05:07:52 17.10.2020

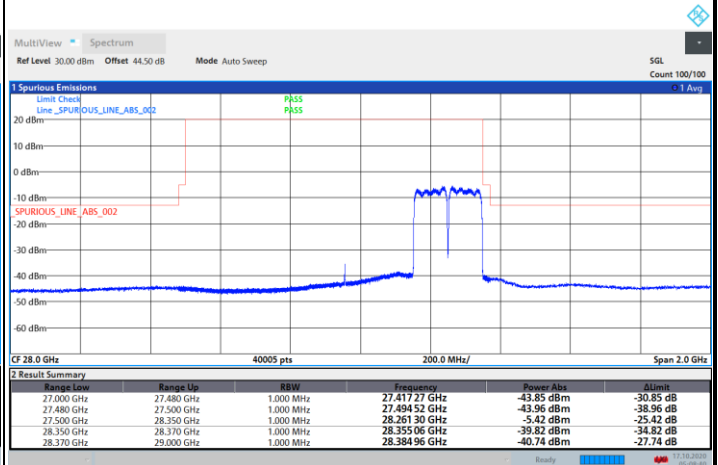
NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB



04:05:49 17.10.2020

Highest Band Edge / Full RB



05:08:40 17.10.2020

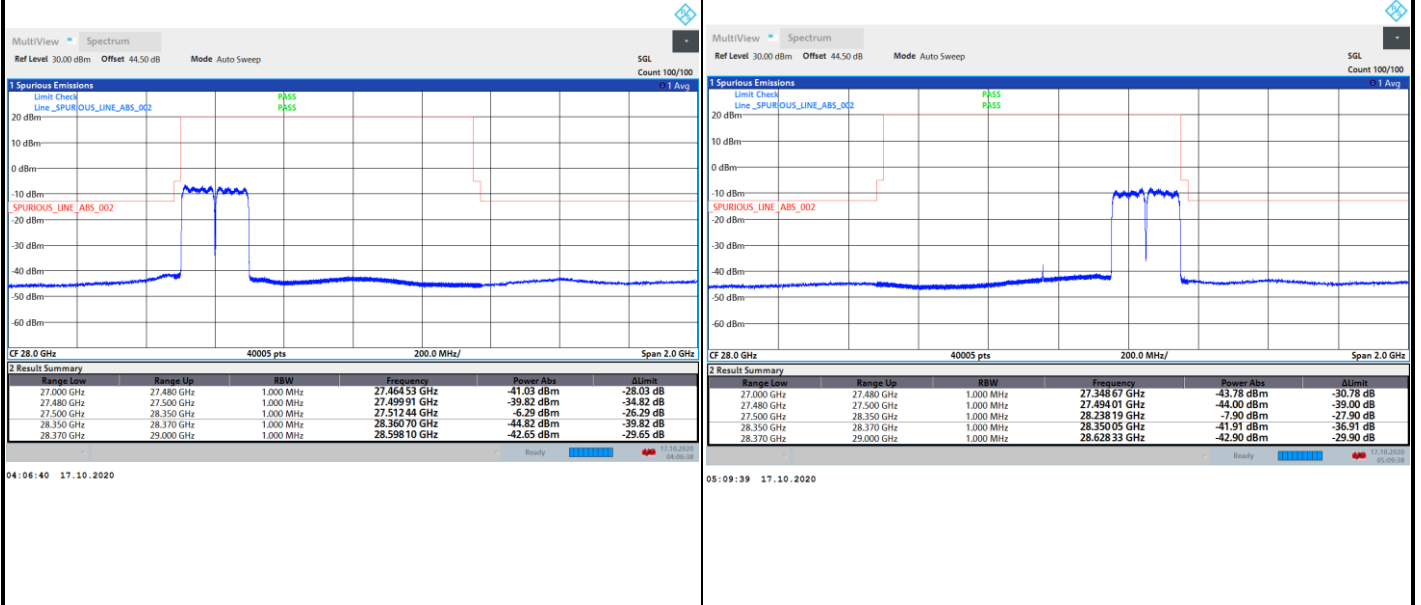


CP-OFDM Module 1

NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

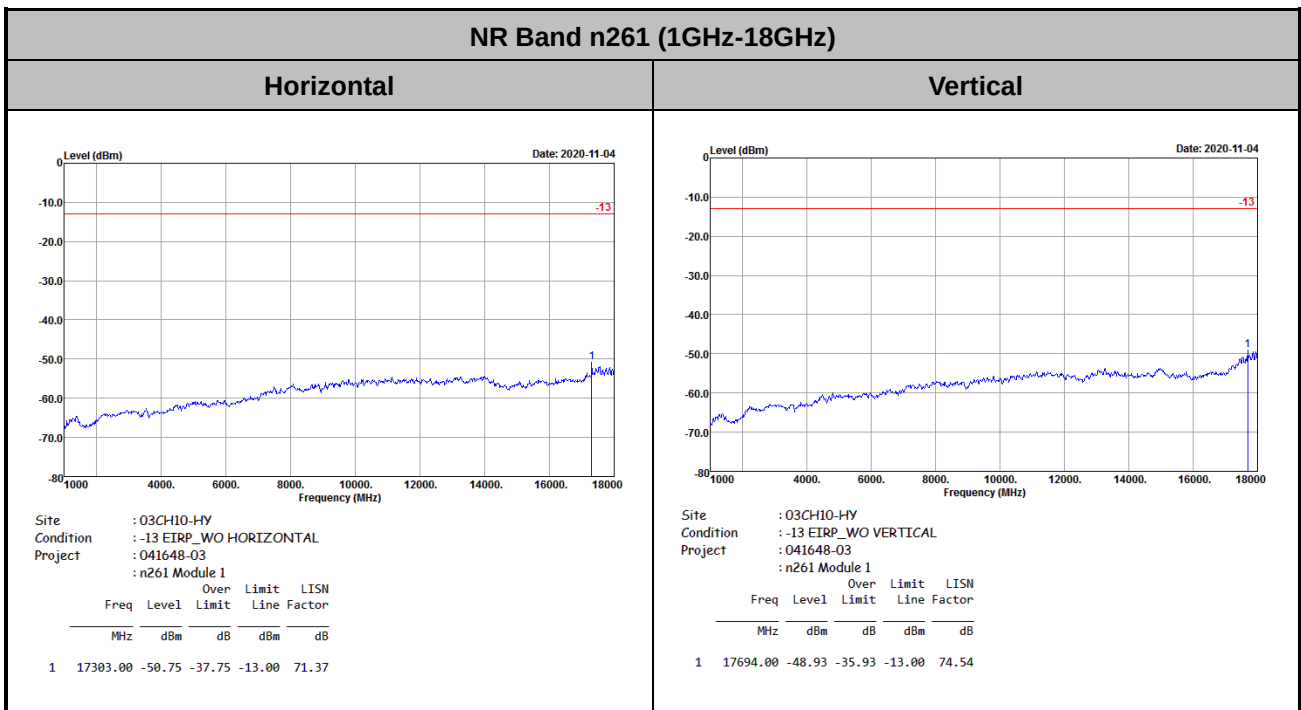
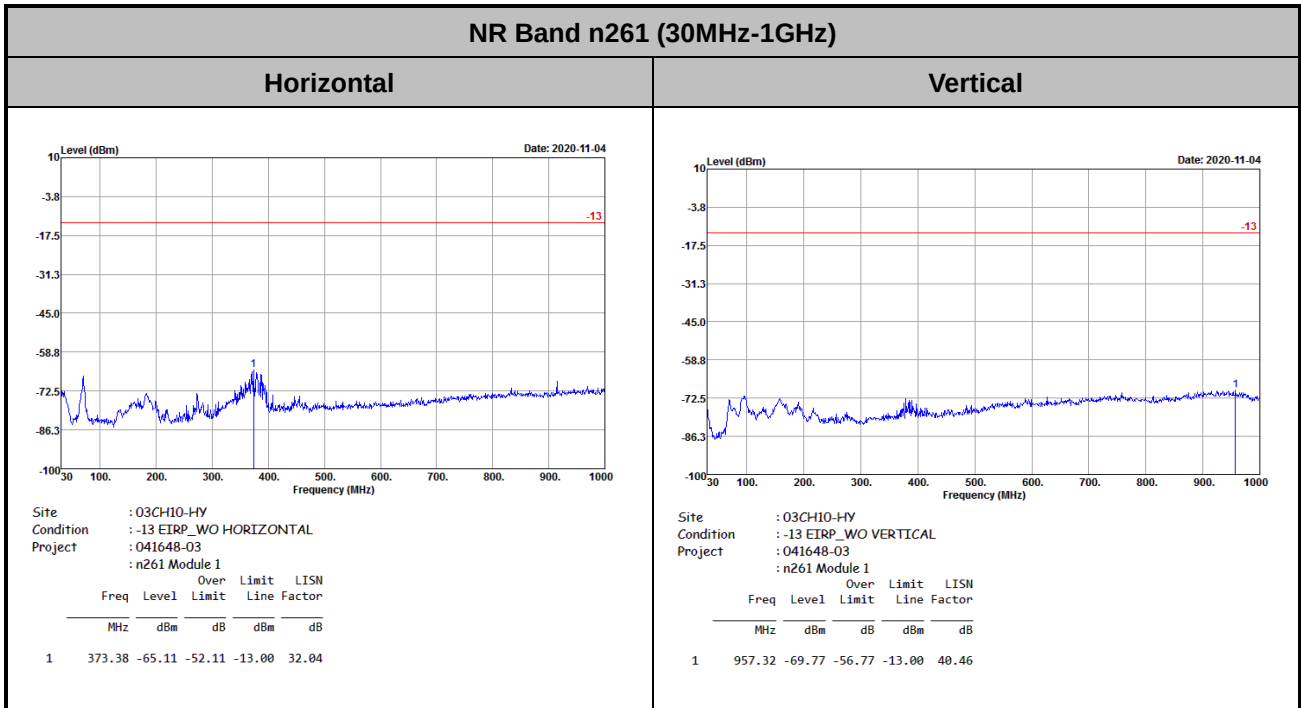




Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

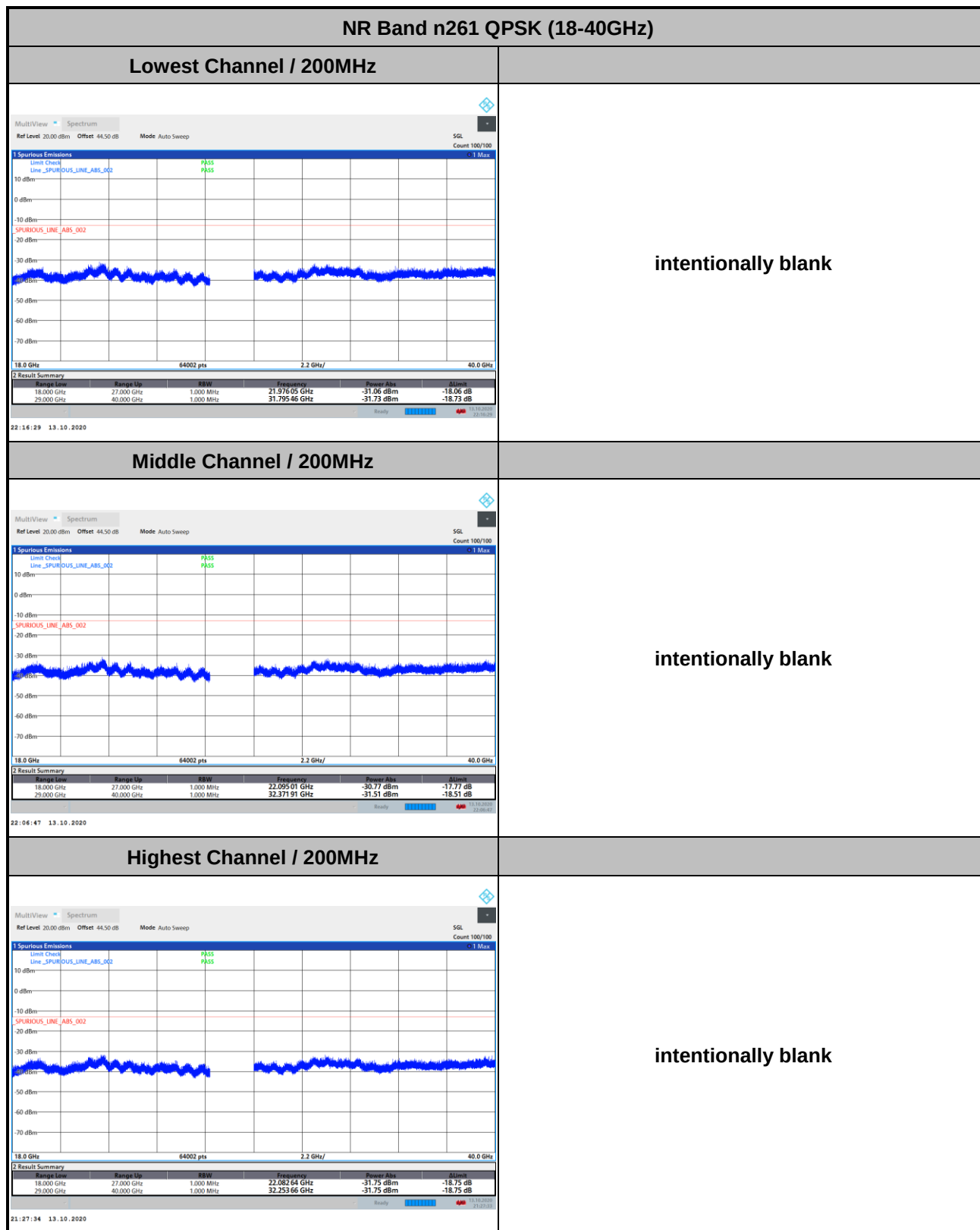
Only the noise floor is reported.





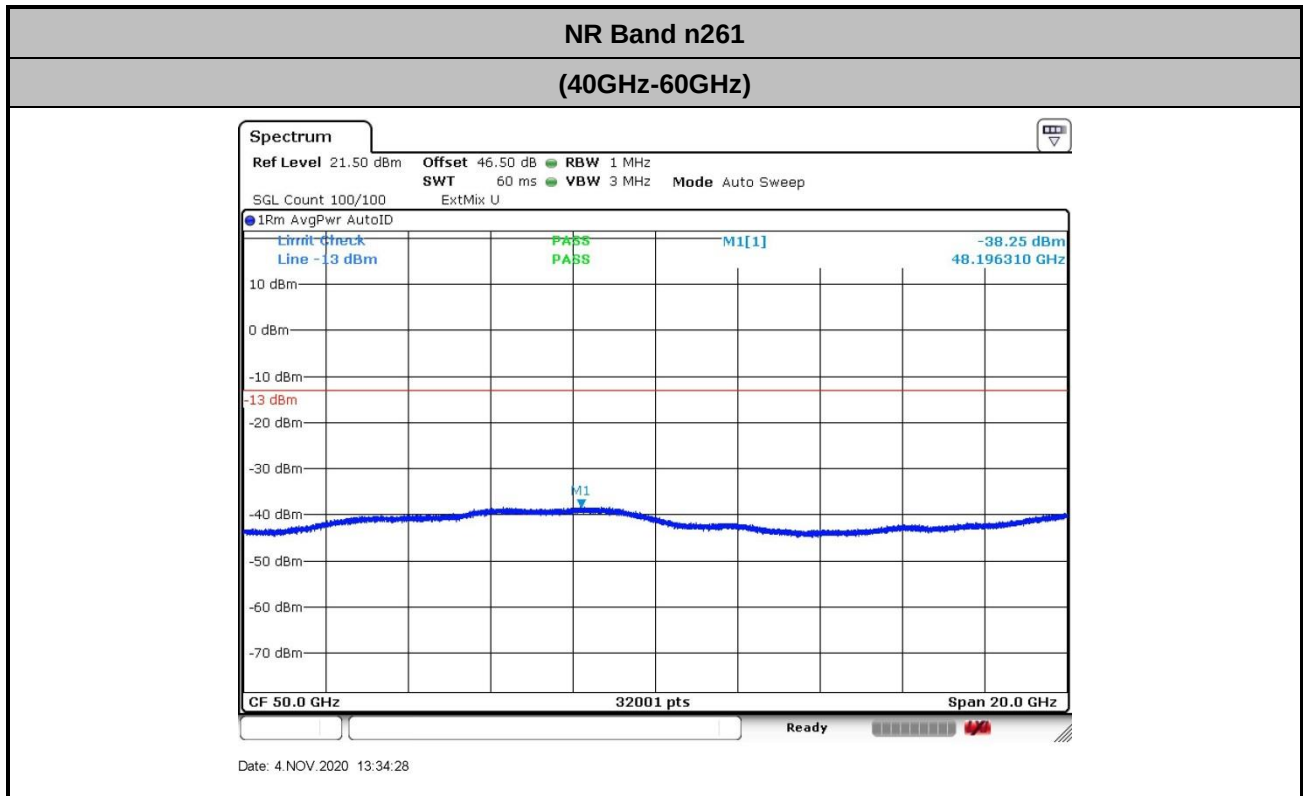
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

CP-OFDM Module 1

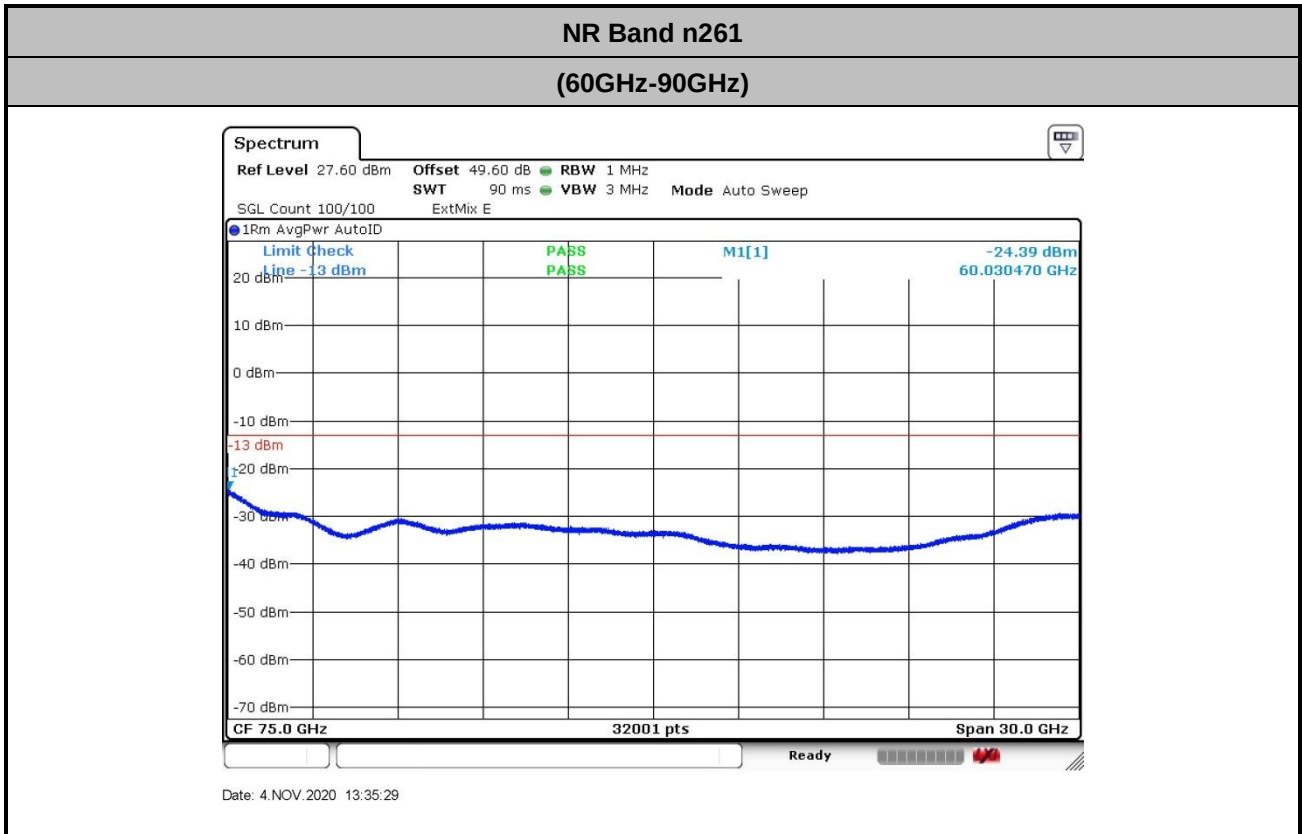




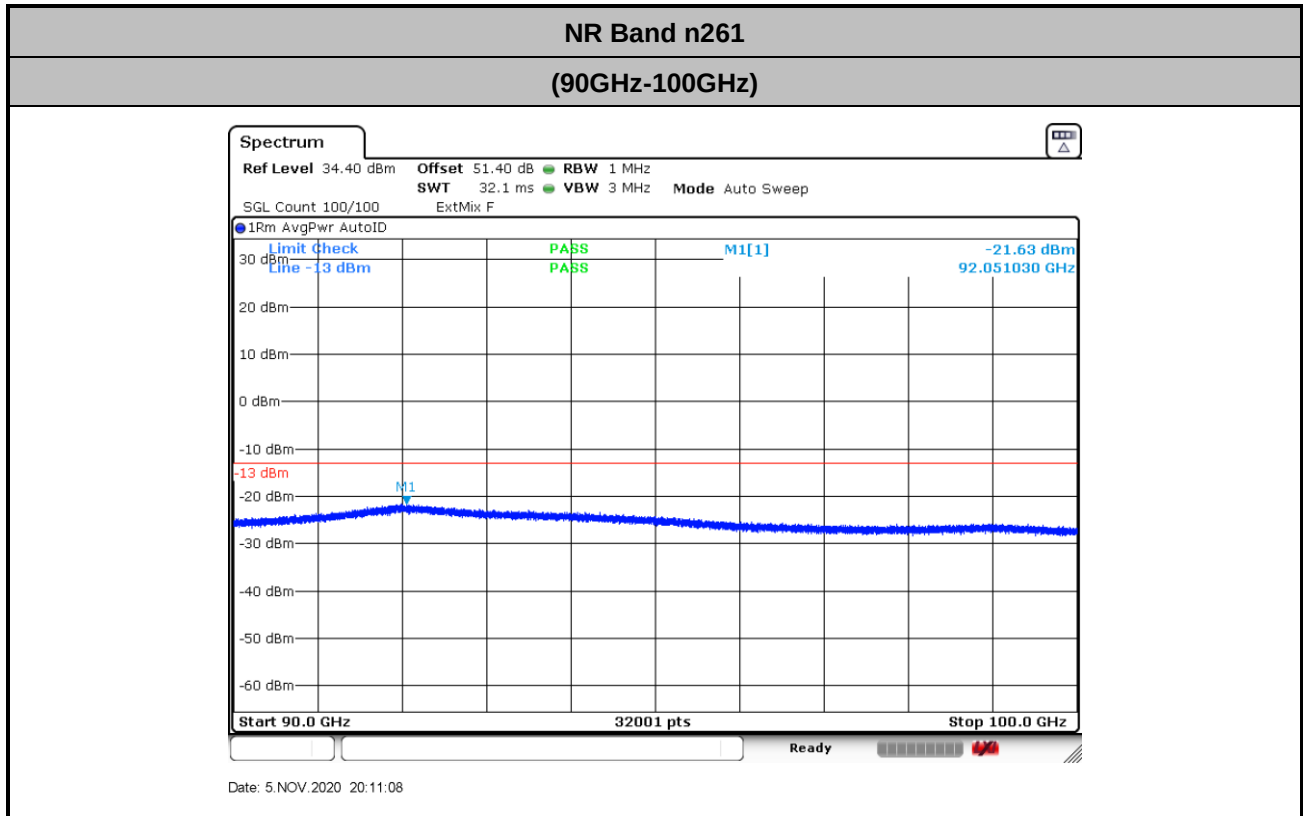
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.



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



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



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