

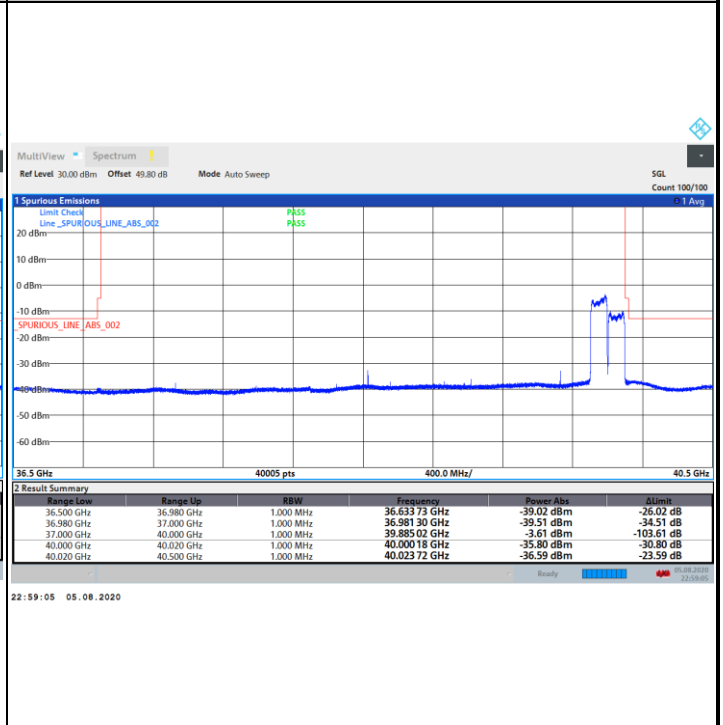


CP-OFDM Module 1

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



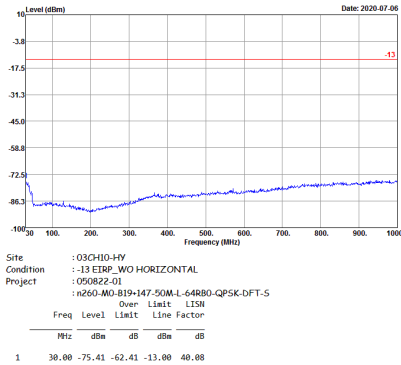


Spurious Emission

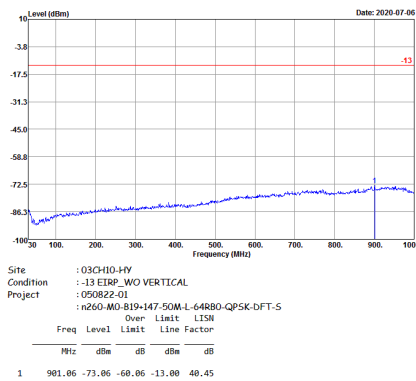
There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz. Only the noise floor is reported.

NR Band n260 (30MHz-1GHz)

Horizontal



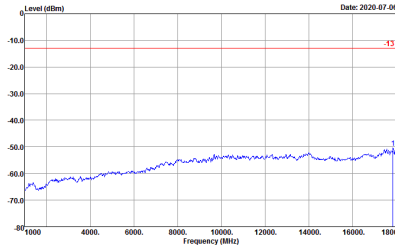
Vertical





NR Band n260 (1GHz-18GHz)

Horizontal

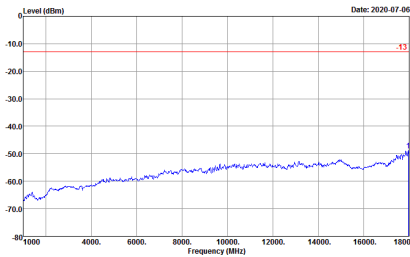


Date: 2020-07-06

Site : 03CH10-HY
 Condition : -13 EIRP_WO HORIZONTAL
 Project : 050822-01
 : n260-M0-B19-147-50M-L-64RBO-QPSK-DFT-5

Over	Limit	L15M			
Freq	Level	Limit	Line Factor		
MHz	dBm	dB	dBm	dB	
1	17847.00	-58.46	-37.46	-13.00	72.70

Vertical



Date: 2020-07-06

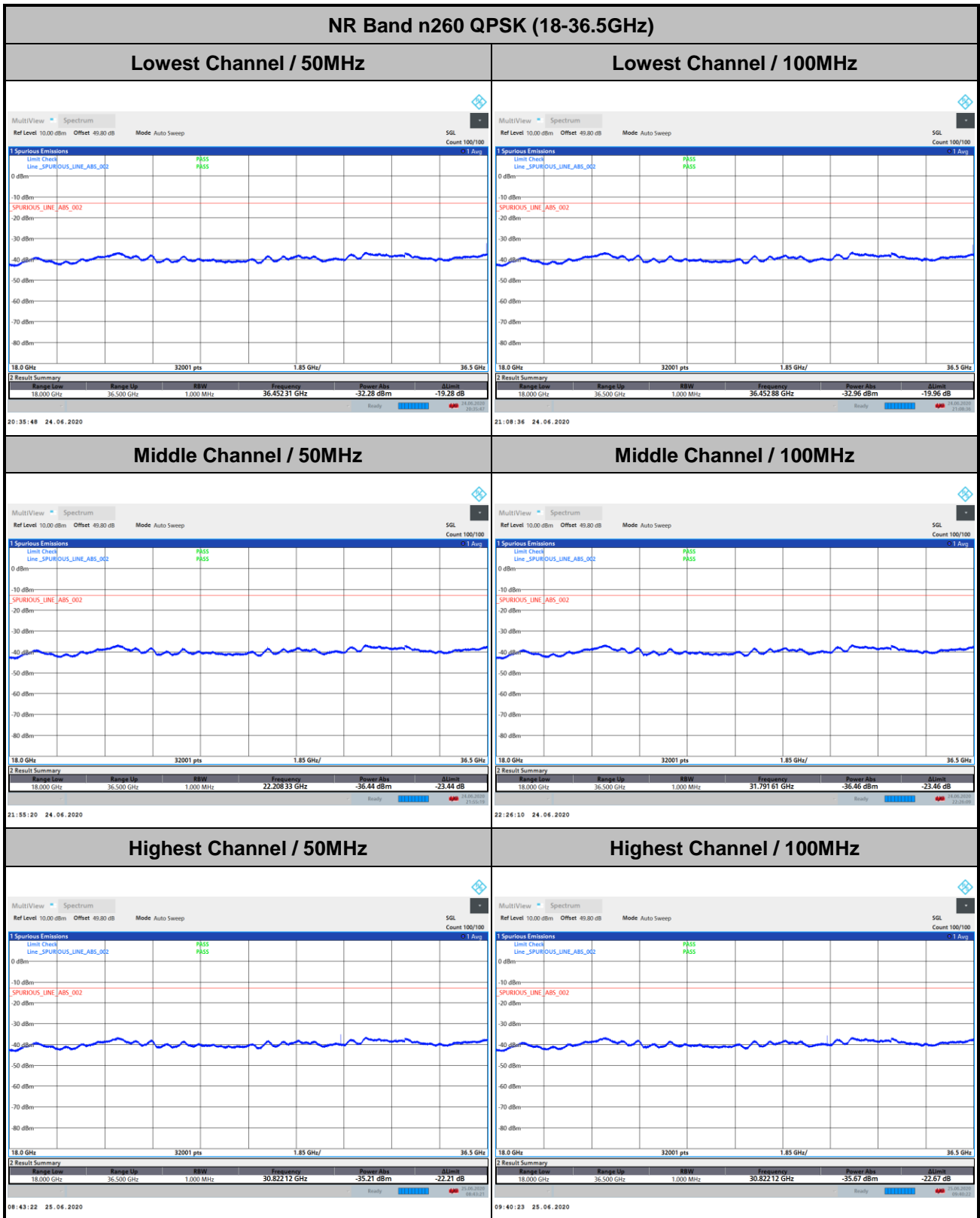
Site : 03CH10-HY
 Condition : -13 EIRP_WO VERTICAL
 Project : 050822-01
 : n260-M0-B19-147-50M-L-64RBO-QPSK-DFT-5

Over	Limit	L15M			
Freq	Level	Limit	Line Factor		
MHz	dBm	dB	dBm	dB	
1	17966.00	-48.72	-35.72	-13.00	75.70



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

DFT-s-OFDM Module 0

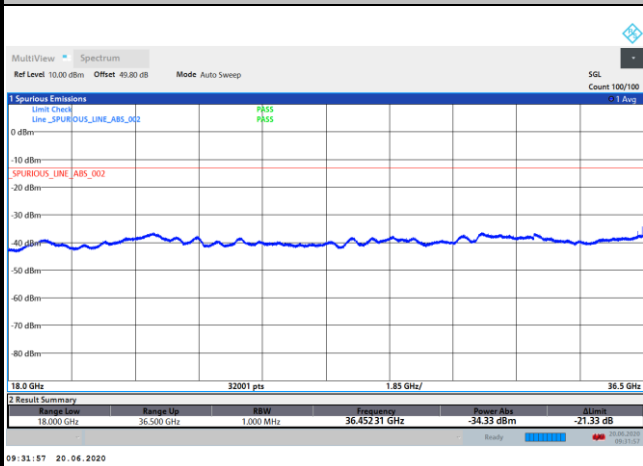




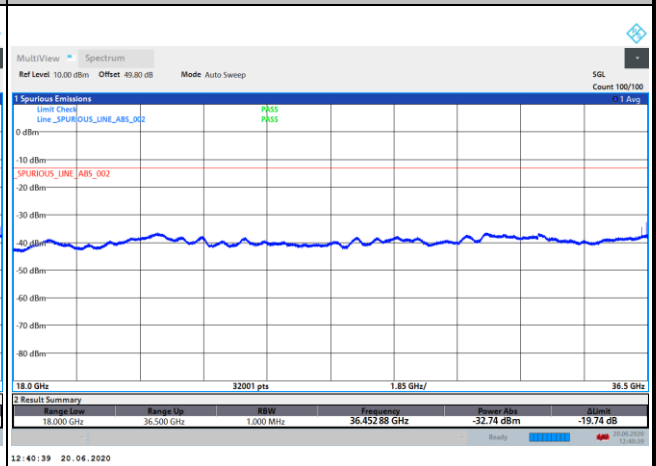
DFT-s-OFDM Module 1

NR Band n260 QPSK (18-36.5GHz)

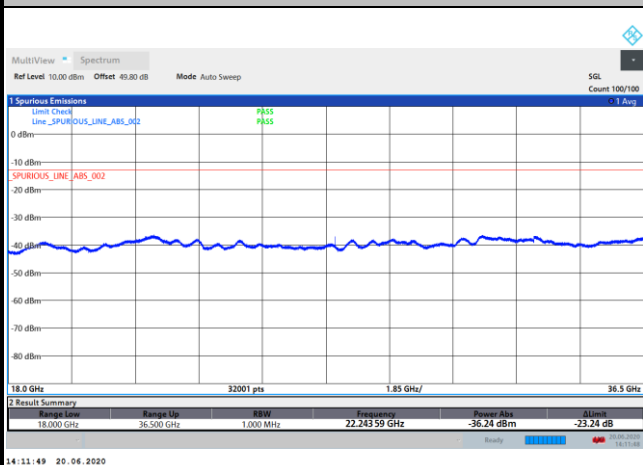
Lowest Channel / 50MHz



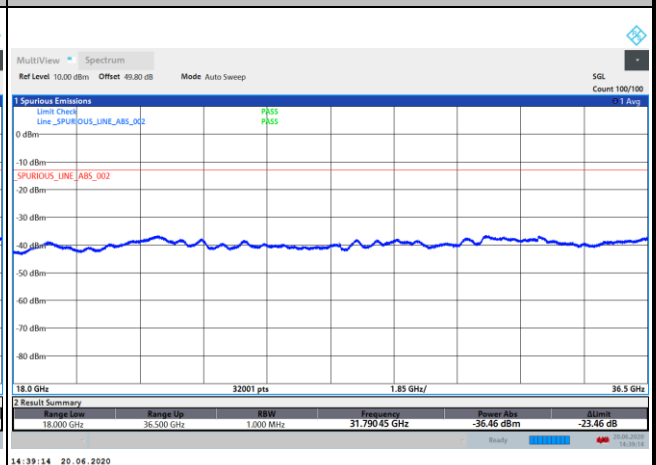
Lowest Channel / 100MHz



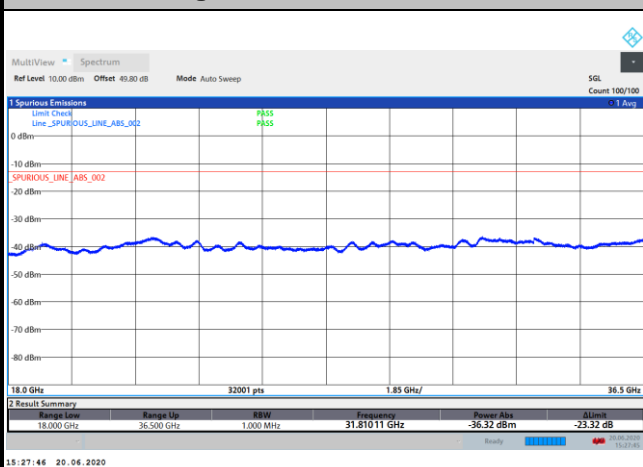
Middle Channel / 50MHz



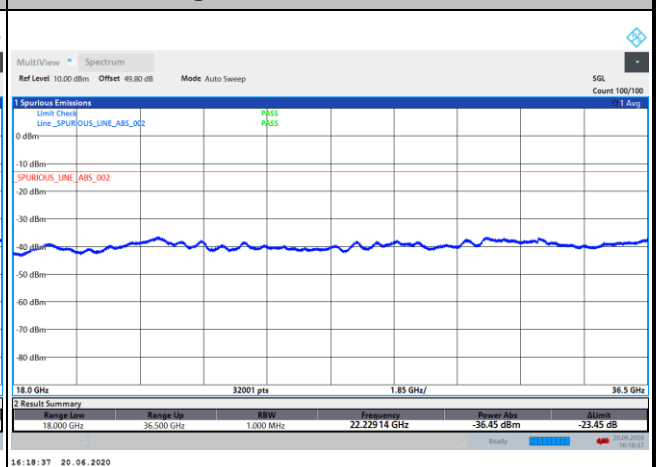
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

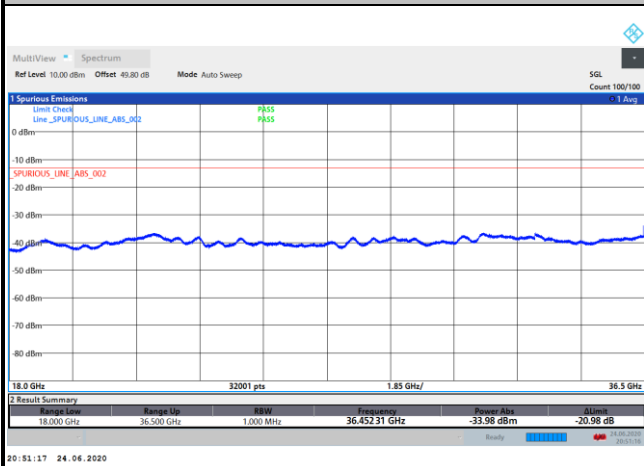




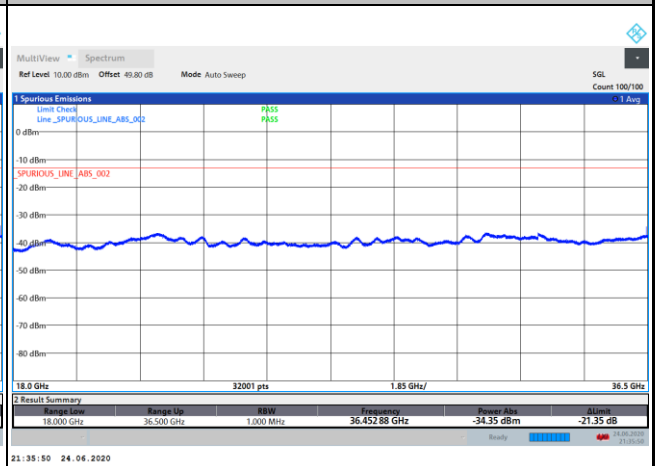
CP-OFDM Module 0

NR Band n260 QPSK (18-36.5GHz)

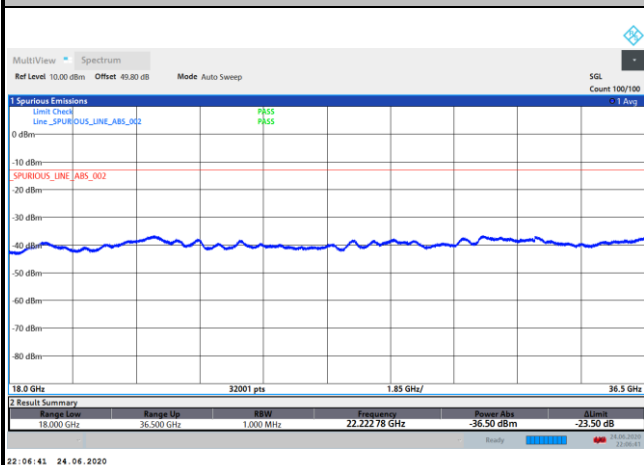
Lowest Channel / 50MHz



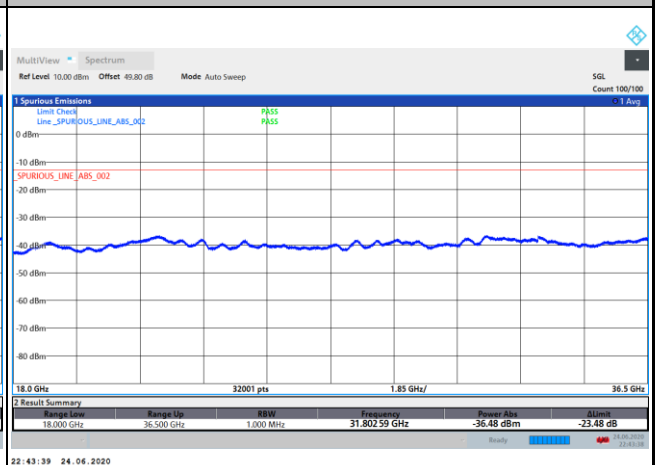
Lowest Channel / 100MHz



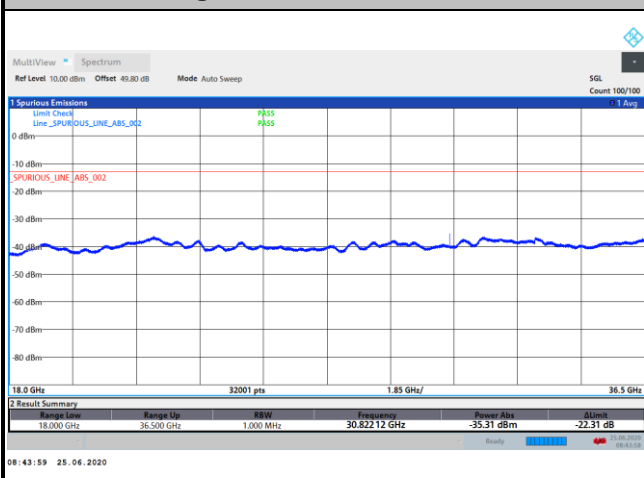
Middle Channel / 50MHz



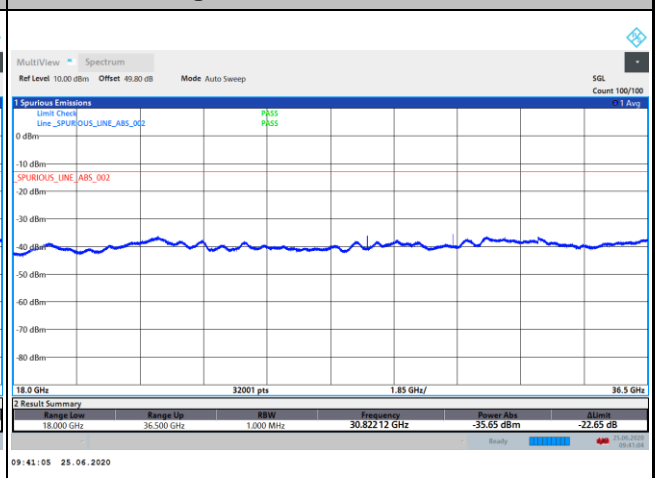
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

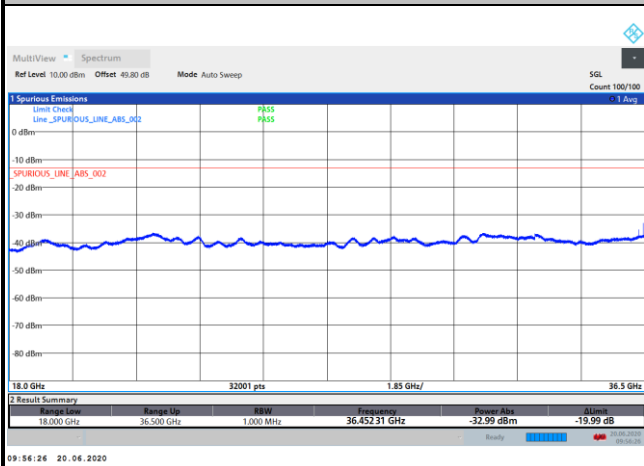




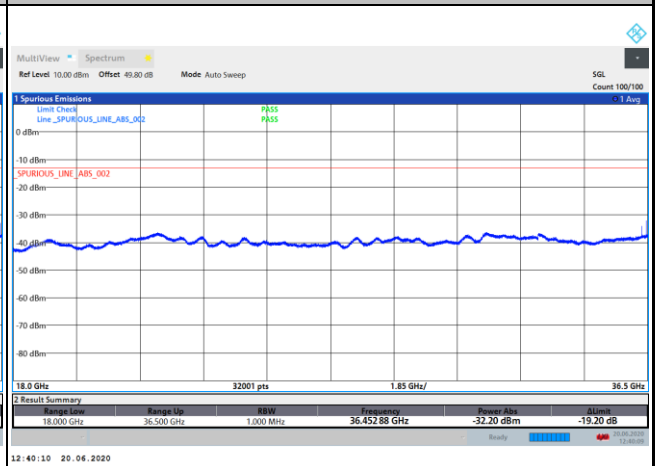
CP-OFDM Module 1

NR Band n260 QPSK (18-36.5GHz)

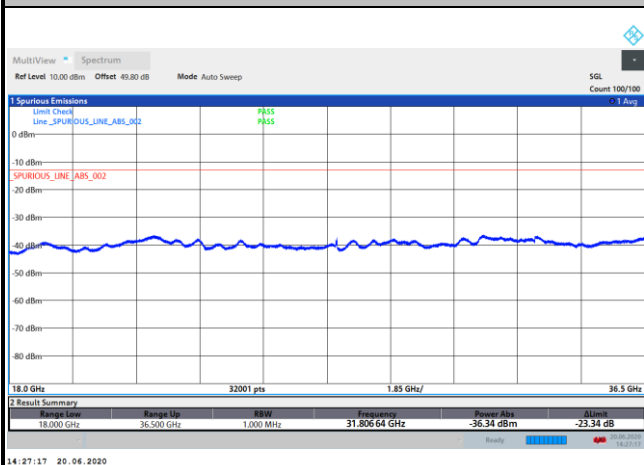
Lowest Channel / 50MHz



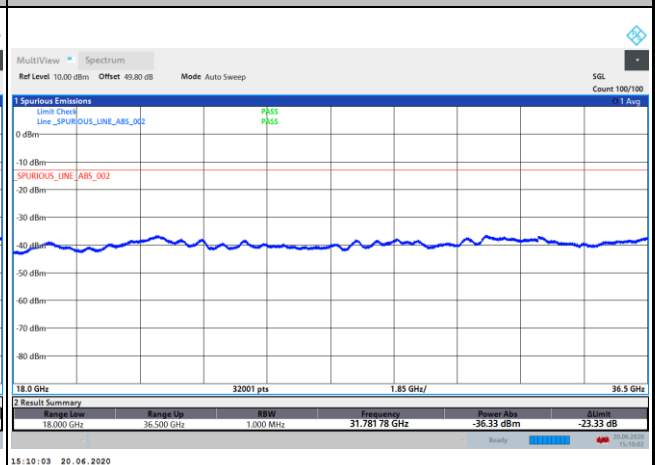
Lowest Channel / 100MHz



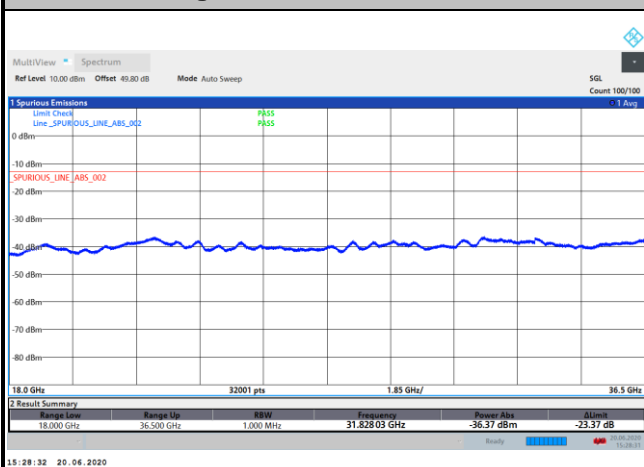
Middle Channel / 50MHz



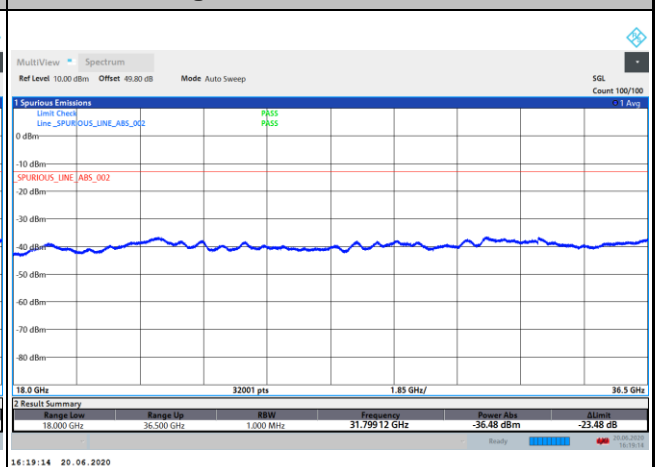
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz





DFT-s-OFDM Module 0

NR Band n260 QPSK (18-36.5GHz)	
<p>Lowest Channel / 200MHz</p> <p>intentionally blank</p>	
<p>Middle Channel / 200MHz</p> <p>intentionally blank</p>	
<p>Highest Channel / 200MHz</p> <p>intentionally blank</p>	



DFT-s-OFDM Module 1

NR Band n260 QPSK (18-36.5GHz)	
<p>Lowest Channel / 200MHz</p> <p>intentionally blank</p>	
<p>Middle Channel / 200MHz</p> <p>intentionally blank</p>	
<p>Highest Channel / 200MHz</p> <p>intentionally blank</p>	



CP-OFDM Module 0

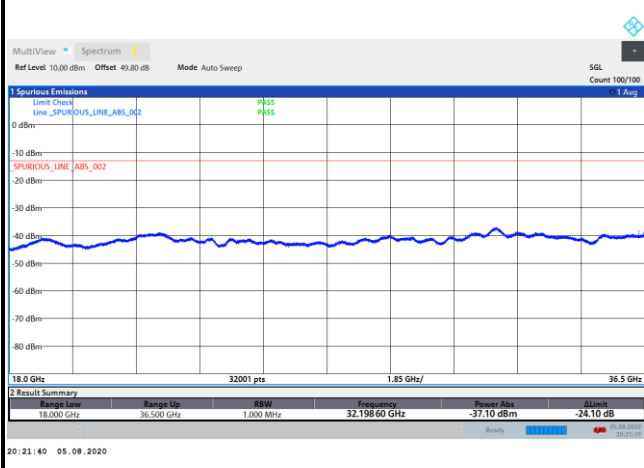
NR Band n260 QPSK (18-36.5GHz)	
Lowest Channel / 200MHz	
<p>MultiView Spectrum Ref Level 10.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Line Check Line_SPURIOUS_LINE_ABS_002 PASS 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Result Summary Range Low Range Up RBW Frequency Power Abs Alarm 18.000 GHz 36.500 GHz 1.000 MHz 32.16275 GHz -36.89 dBm -23.89 dB 21:30:39 04.08.2020</p>	intentionally blank
Middle Channel / 200MHz	
<p>MultiView Spectrum Ref Level 10.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Line Check Line_SPURIOUS_LINE_ABS_002 PASS 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Result Summary Range Low Range Up RBW Frequency Power Abs Alarm 18.000 GHz 36.500 GHz 1.000 MHz 32.18761 GHz -36.98 dBm -23.98 dB 22:35:23 04.08.2020</p>	intentionally blank
Highest Channel / 200MHz	
<p>MultiView Spectrum Ref Level 10.00 dBm Offset 49.80 dB Mode Auto Sweep SGL Count 100/100 Spurious Emissions Line Check Line_SPURIOUS_LINE_ABS_002 PASS 0 dBm -10 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm -70 dBm -80 dBm 18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz Result Summary Range Low Range Up RBW Frequency Power Abs Alarm 18.000 GHz 36.500 GHz 1.000 MHz 32.16853 GHz -37.02 dBm -24.02 dB 00:42:02 05.08.2020</p>	intentionally blank



CP-OFDM Module 1

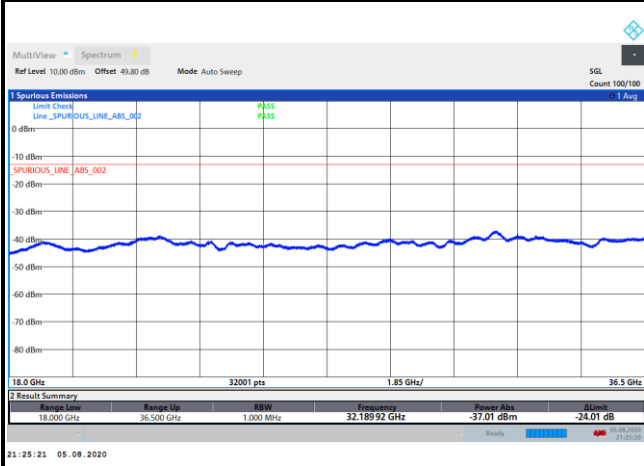
NR Band n260 QPSK (18-36.5GHz)

Lowest Channel / 200MHz



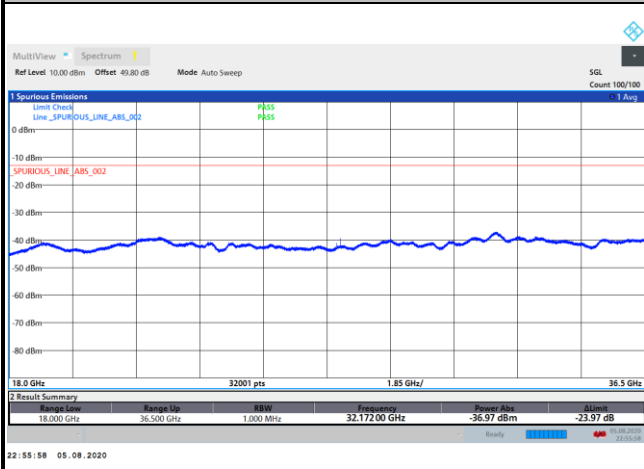
intentionally blank

Middle Channel / 200MHz



intentionally blank

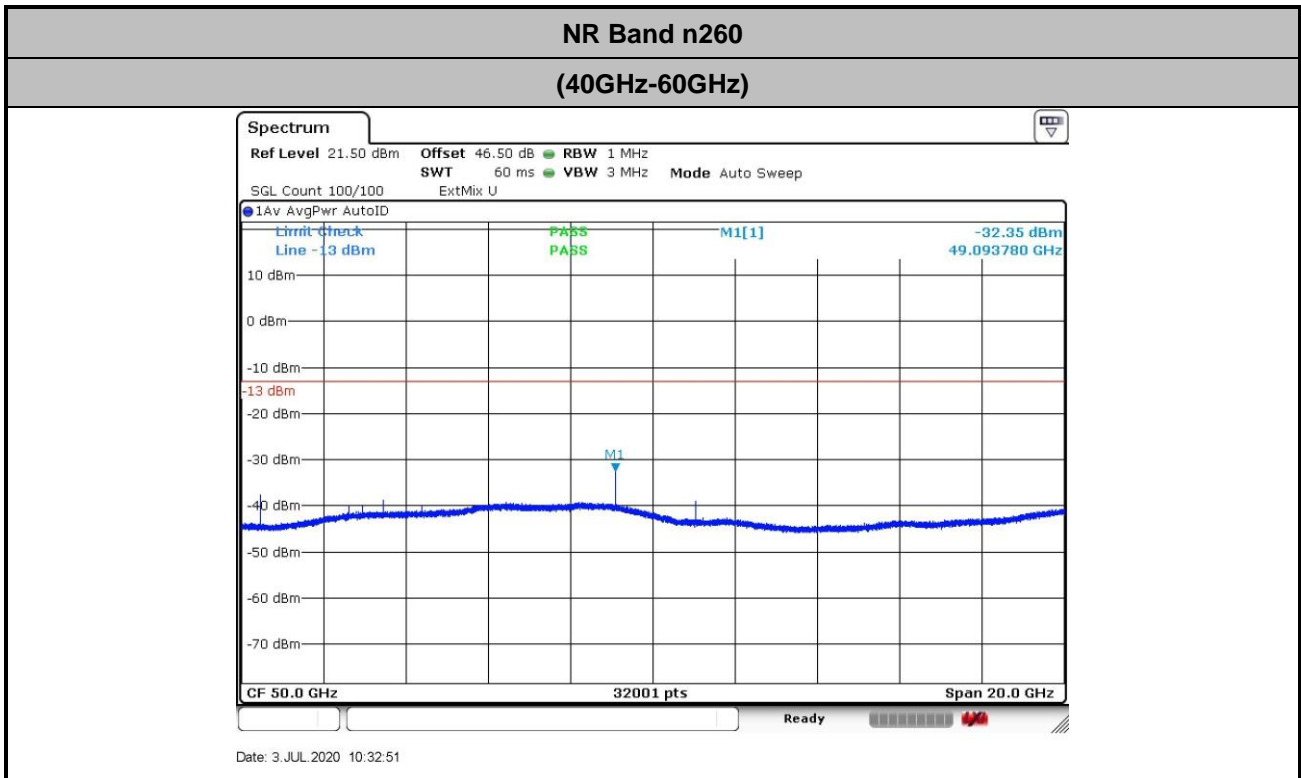
Highest Channel / 200MHz



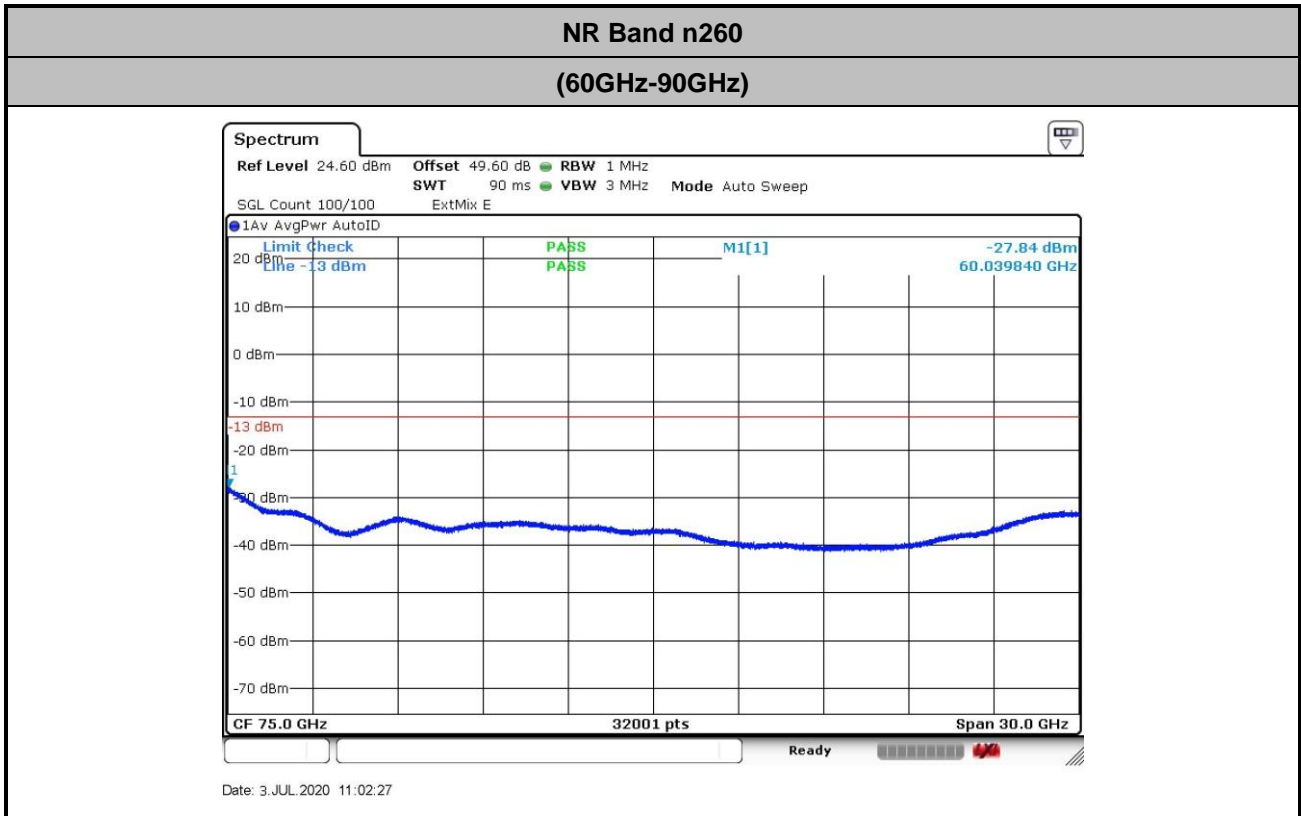
intentionally blank



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.

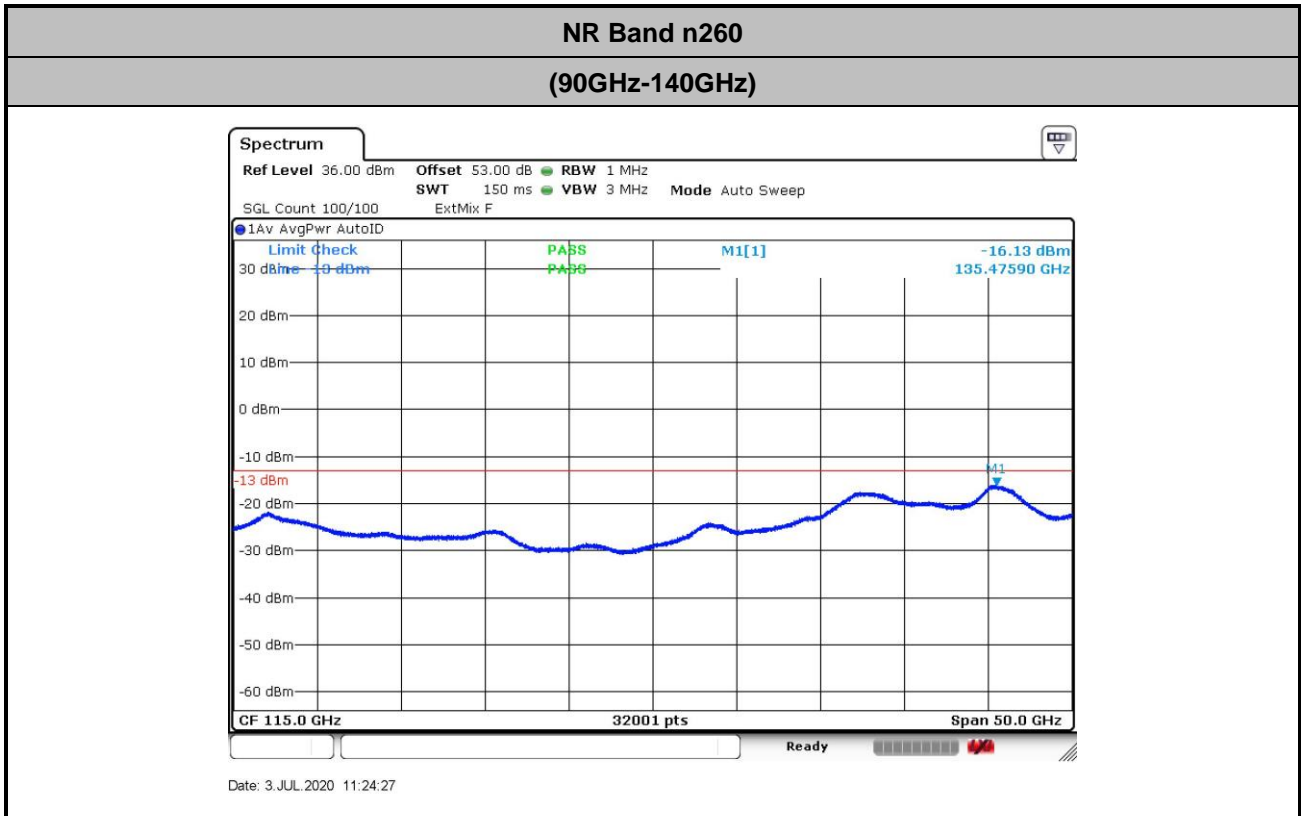


$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}
 \end{aligned}$$



$$Offset = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 47.2 + 2.2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}$$



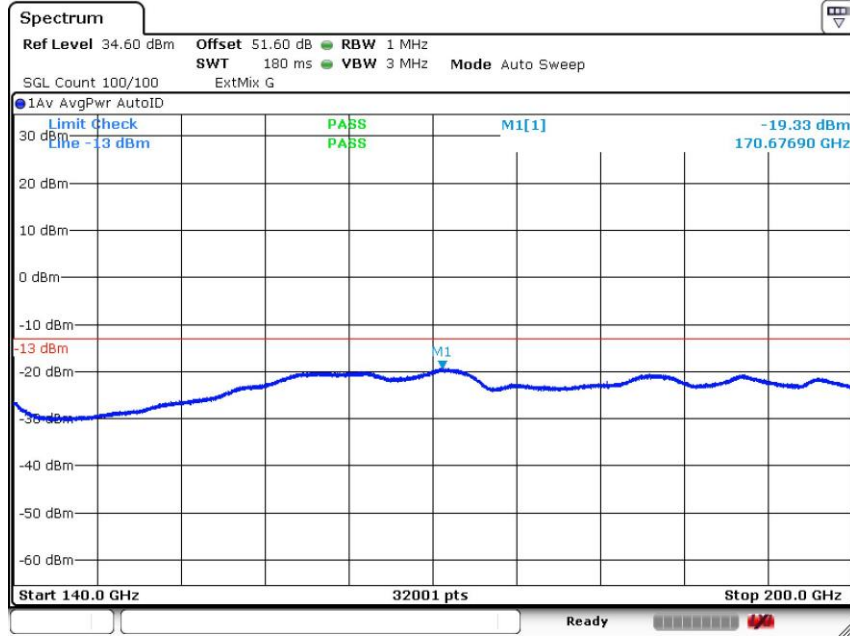
$$Offset = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 48.8 + 2 + 107 + 20\log(1) - 104.8 = 53 \text{ (dB)}$$



NR Band n260

(140GHz-200GHz)



$$Offset = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 = 51.6 \text{ (dB)}$$



NR Band n260 AG1

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.29	45.02	44.85	90.37	90.37	89.84
Middle CH	45.33	45.09	44.88	90.21	90.45	89.99
Highest CH	45.35	45.08	44.89	90.14	90.37	89.90

Mode	DFT-s-OFDM Module 1 NR Band n260 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.33	45.10	45.16	90.44	90.71	90.06
Middle CH	45.36	45.06	45.12	90.65	90.89	90.29
Highest CH	45.38	45.20	45.26	90.53	90.51	90.23

Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.19	45.29	45.24	92.61	92.43	93.08
Middle CH	45.26	45.25	45.28	90.34	90.55	90.33
Highest CH	45.28	45.30	45.28	90.27	90.43	90.33

Mode	CP-OFDM Module 1 NR Band n260 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.30	45.38	45.25	92.78	92.88	92.86
Middle CH	45.28	45.25	45.21	92.80	92.97	93.04
Highest CH	45.27	45.33	45.22	92.93	92.74	93.19



Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	189.75	188.97	186.82
Middle CH	186.26	187.64	184.75
Highest CH	188.34	186.22	186.78

Mode	DFT-s-OFDM Module 1 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	188.56	186.70	187.04
Middle CH	185.60	183.45	184.09
Highest CH	187.80	186.34	186.96

Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	191.34	188.82	190.37
Middle CH	189.67	185.35	188.04
Highest CH	191.11	188.92	190.55

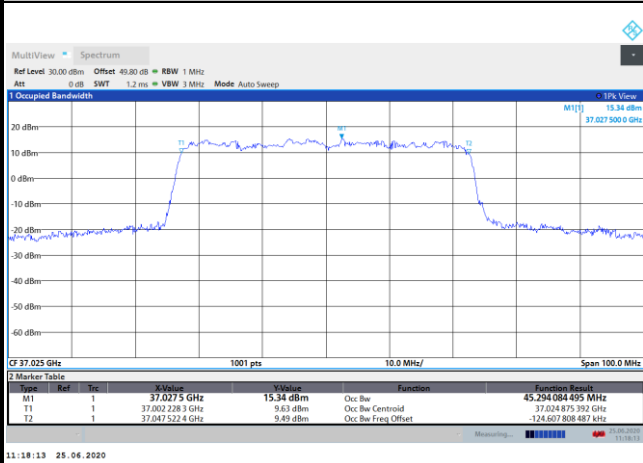
Mode	CP-OFDM Module 1 NR Band n260 : 99%OBW(MHz)		
BW	200MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	190.06	188.71	191.00
Middle CH	189.13	185.30	187.26
Highest CH	191.51	188.82	190.33



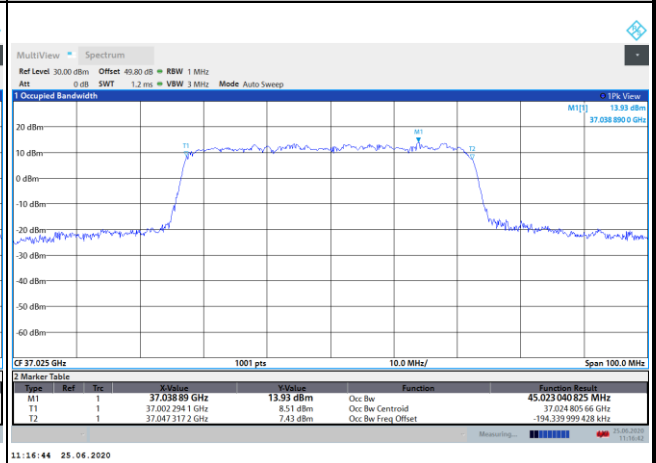
DFT-s-OFDM Module 0

NR Band n260

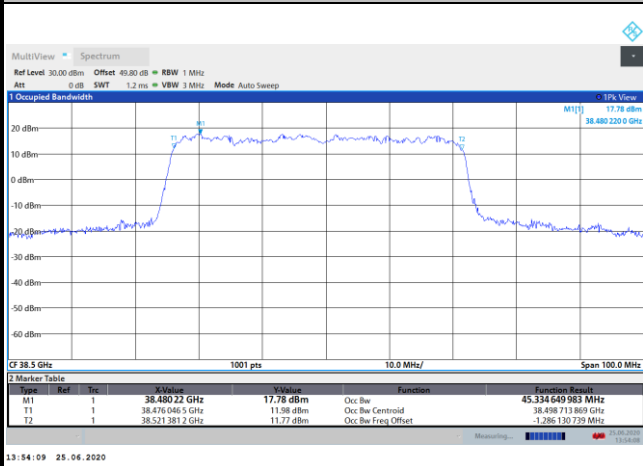
Lowest Channel / 50MHz / QPSK



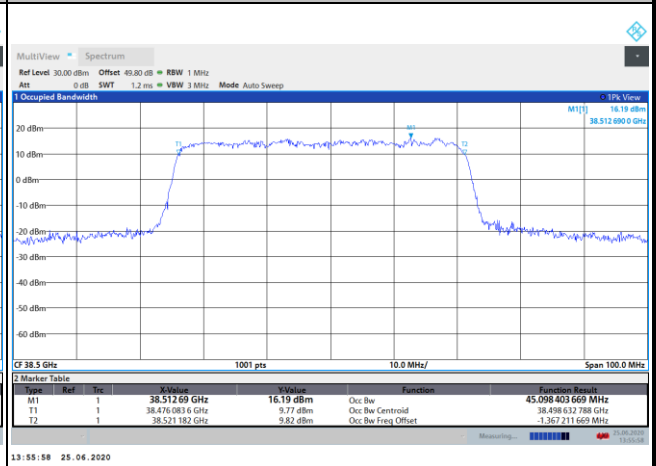
Lowest Channel / 50MHz / 16QAM



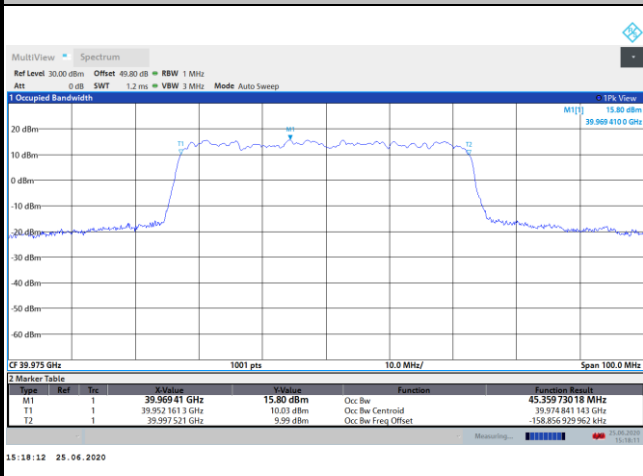
Middle Channel / 50MHz / QPSK



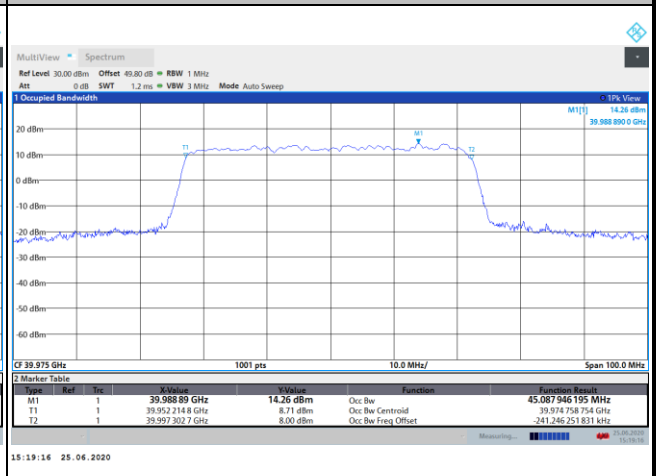
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

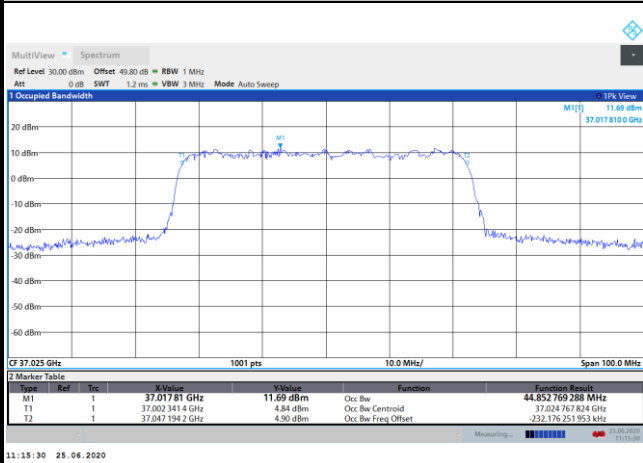




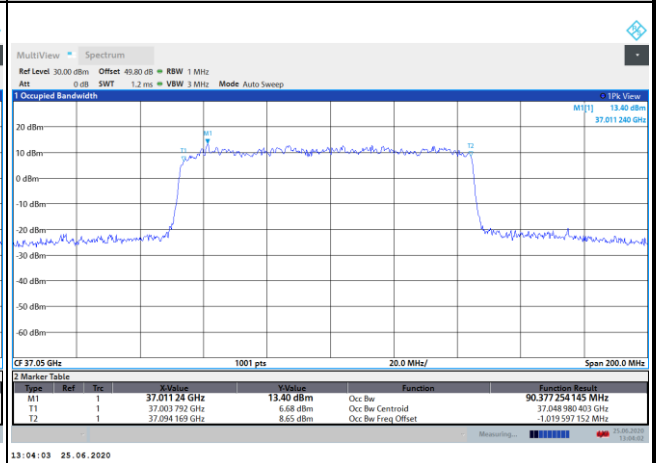
DFT-s-OFDM Module 0

NR Band n260

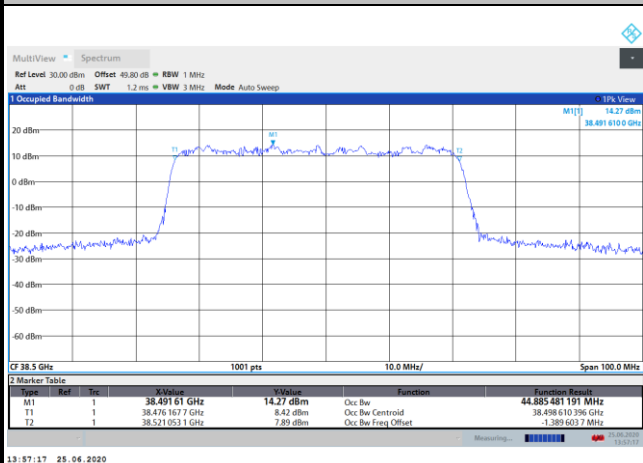
Lowest Channel / 50MHz / 64QAM



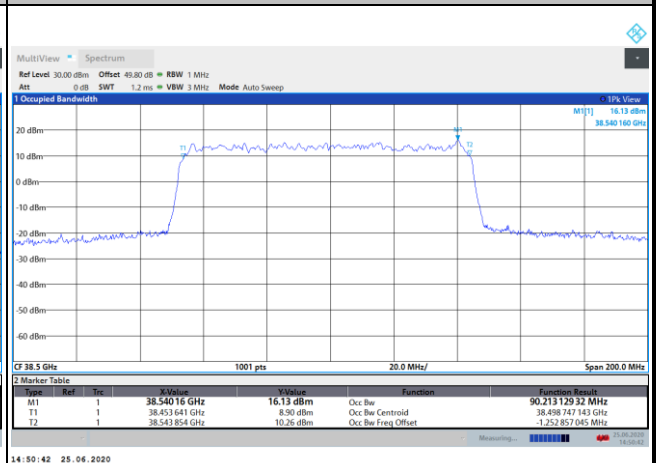
Lowest Channel / 100MHz / QPSK



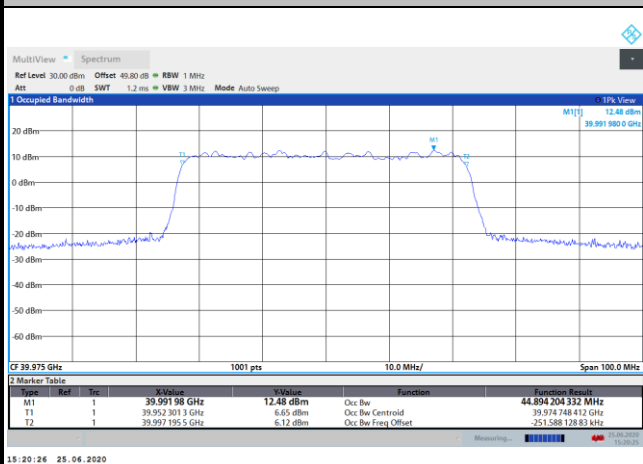
Middle Channel / 50MHz / 64QAM



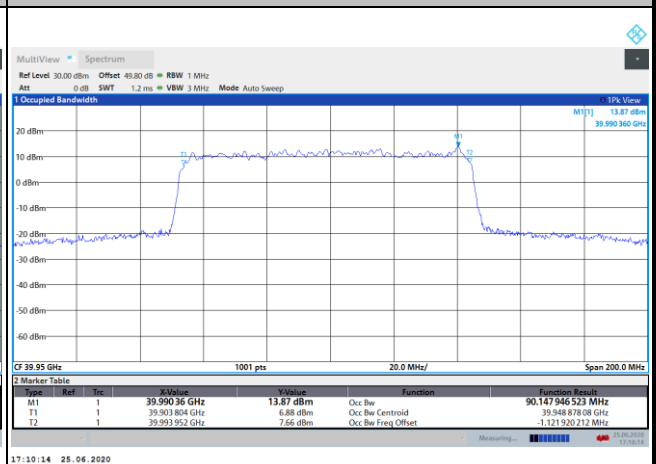
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

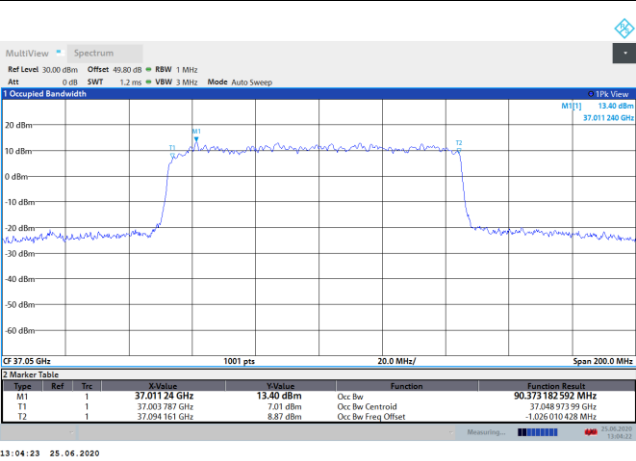




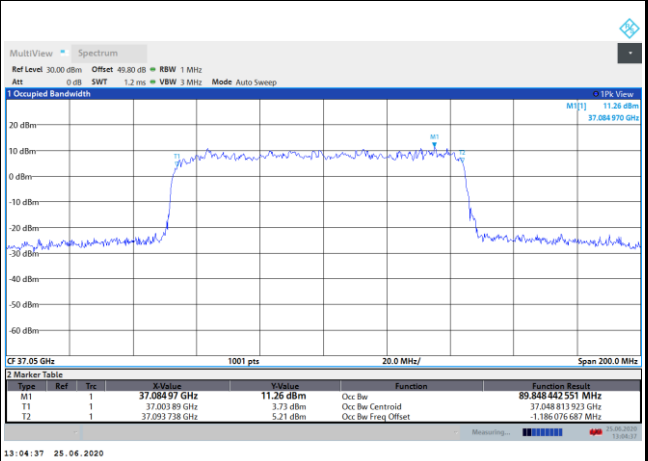
DFT-s-OFDM Module 0

NR Band n260

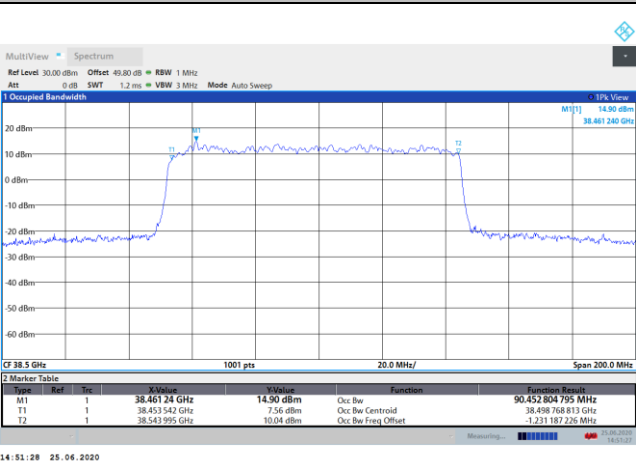
Lowest Channel / 100MHz / 16QAM



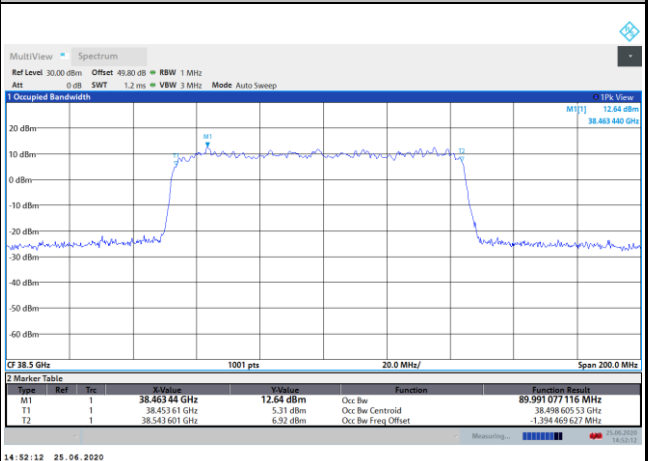
Lowest Channel / 100MHz / 64QAM



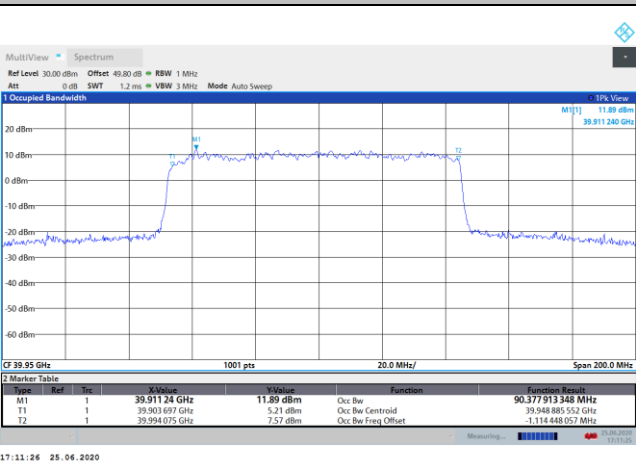
Middle Channel / 100MHz / 16QAM



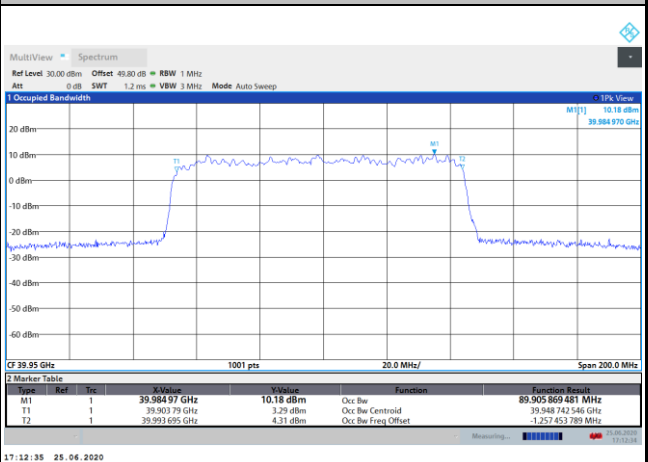
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

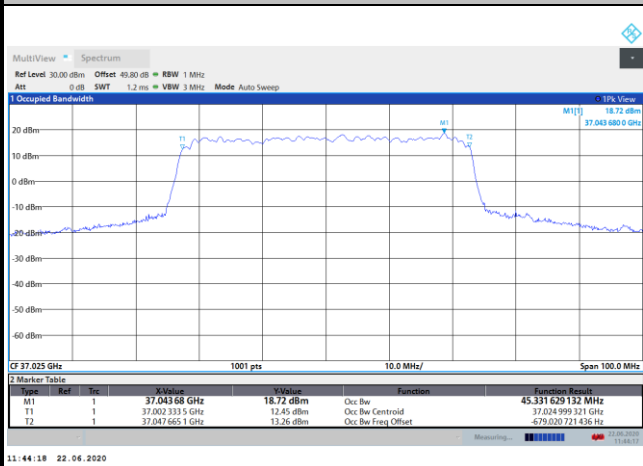




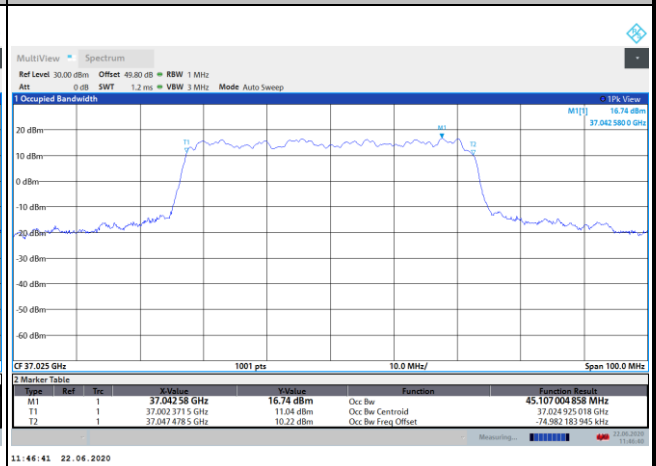
DFT-s-OFDM Module 1

NR Band n260

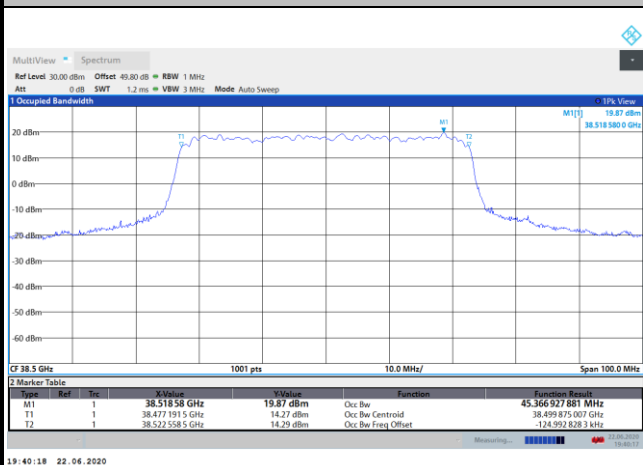
Lowest Channel / 50MHz / QPSK



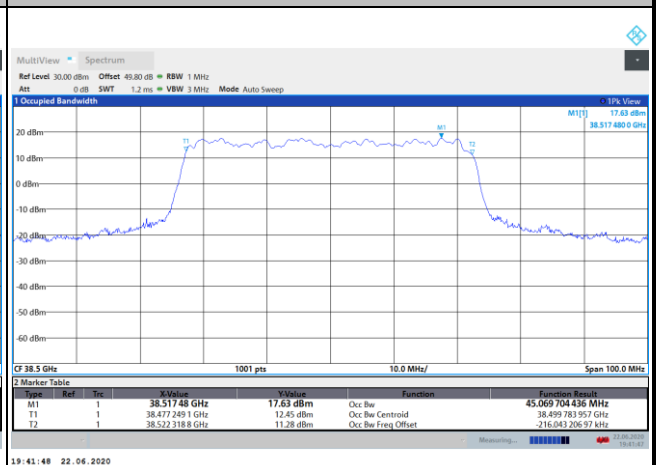
Lowest Channel / 50MHz / 16QAM



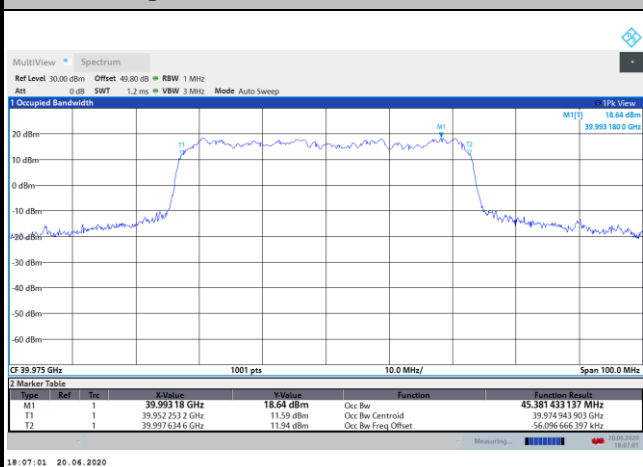
Middle Channel / 50MHz / QPSK



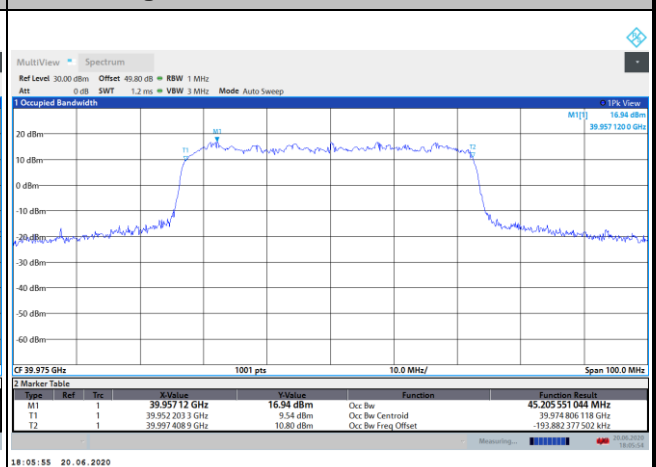
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

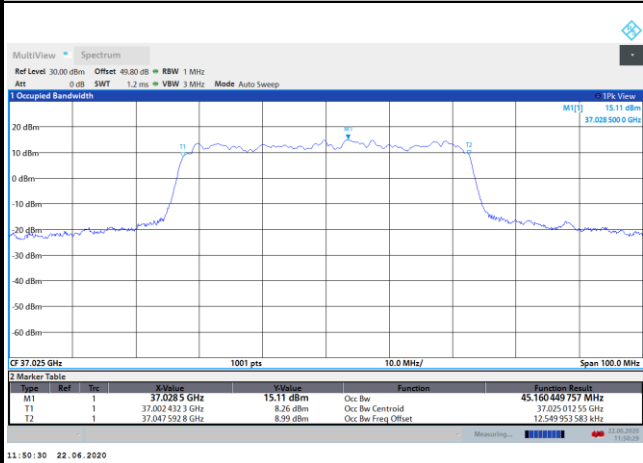




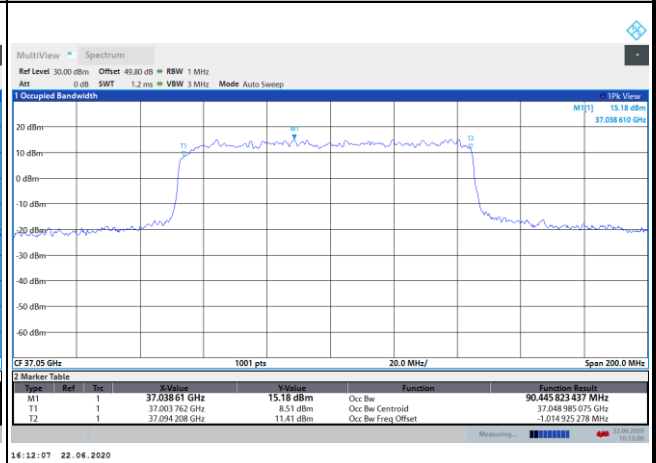
DFT-s-OFDM Module 1

NR Band n260

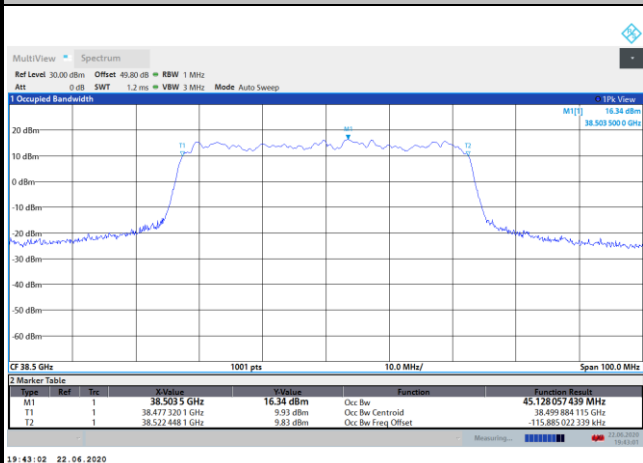
Lowest Channel / 50MHz / 64QAM



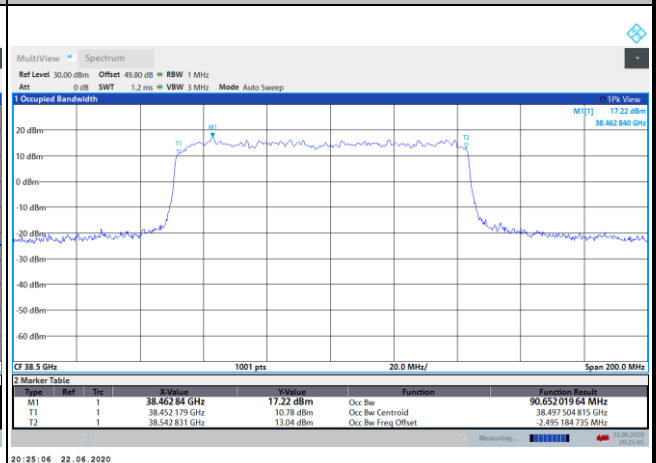
Lowest Channel / 100MHz / QPSK



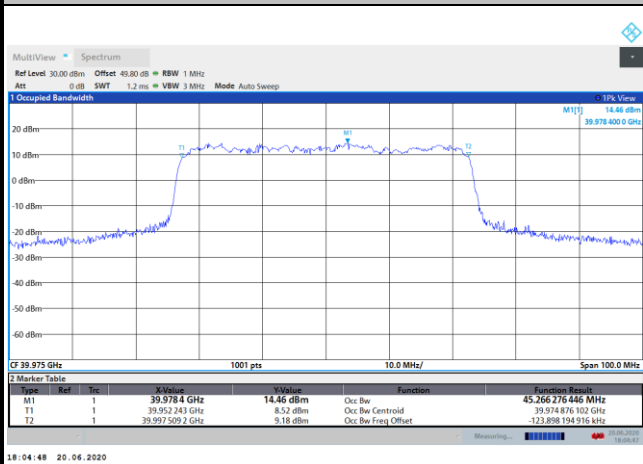
Middle Channel / 50MHz / 64QAM



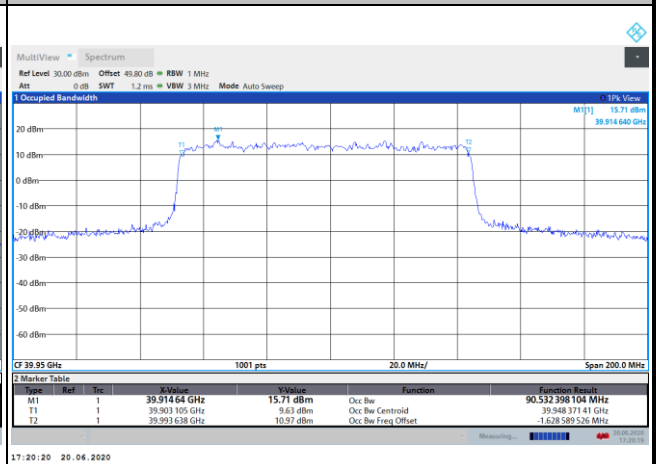
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

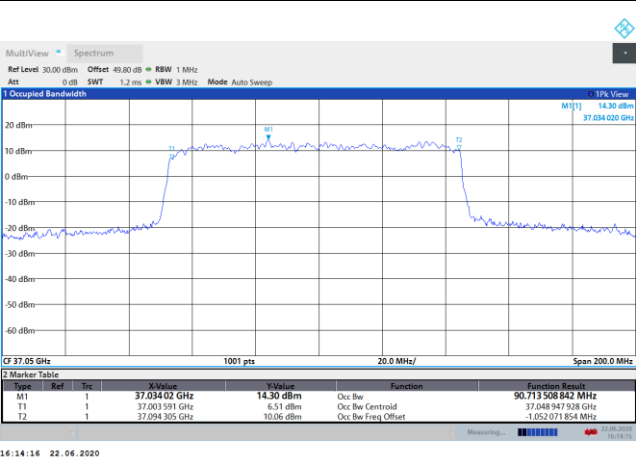




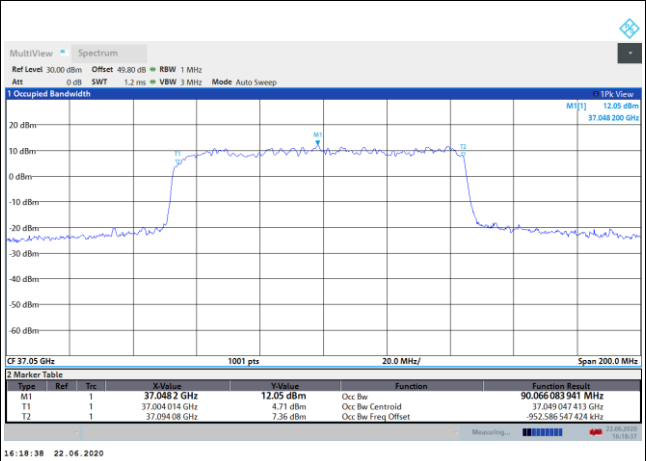
DFT-s-OFDM Module 1

NR Band n260

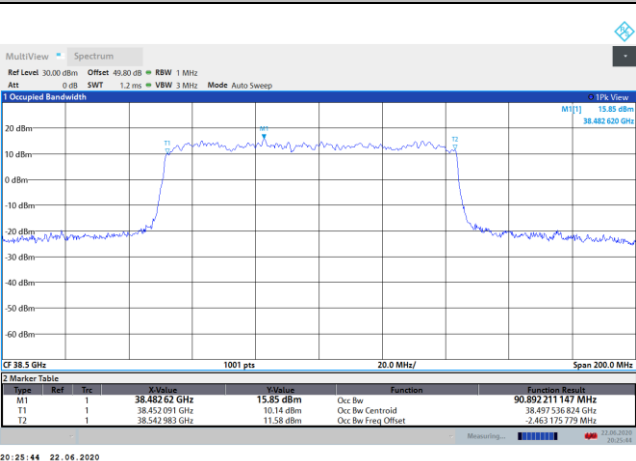
Lowest Channel / 100MHz / 16QAM



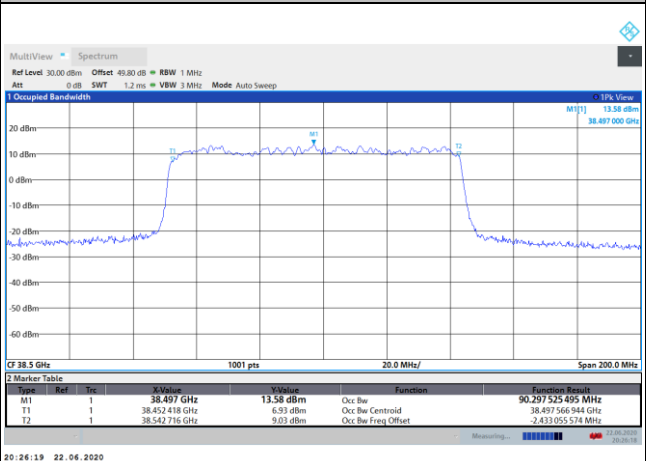
Lowest Channel / 100MHz / 64QAM



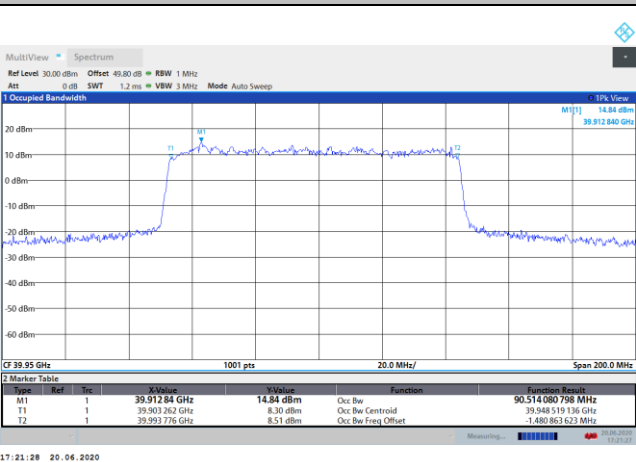
Middle Channel / 100MHz / 16QAM



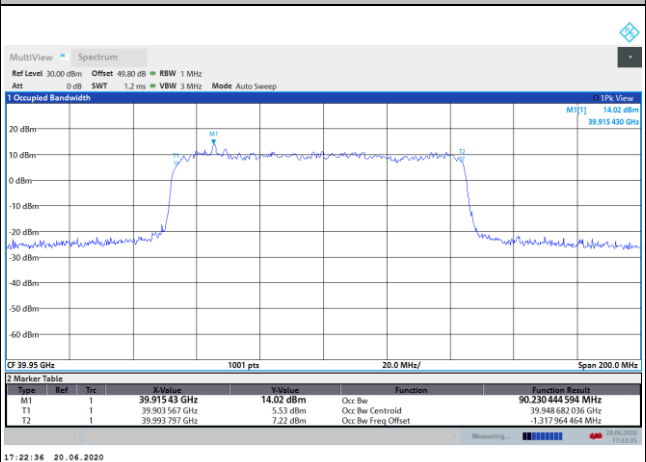
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

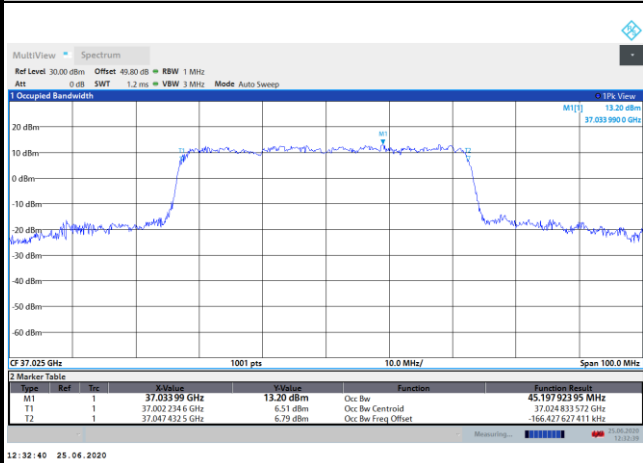




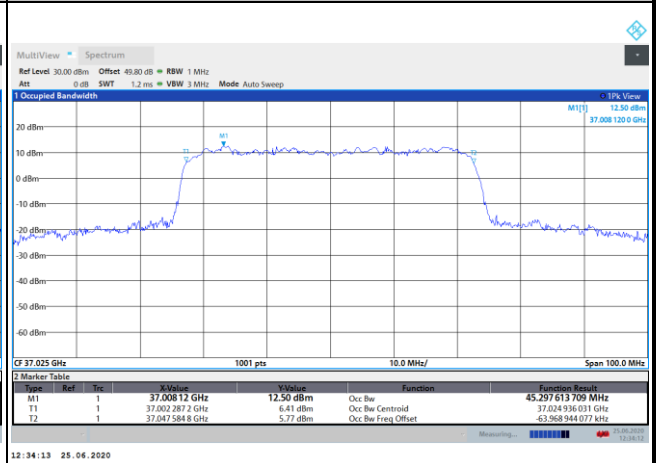
CP-OFDM Module 0

NR Band n260

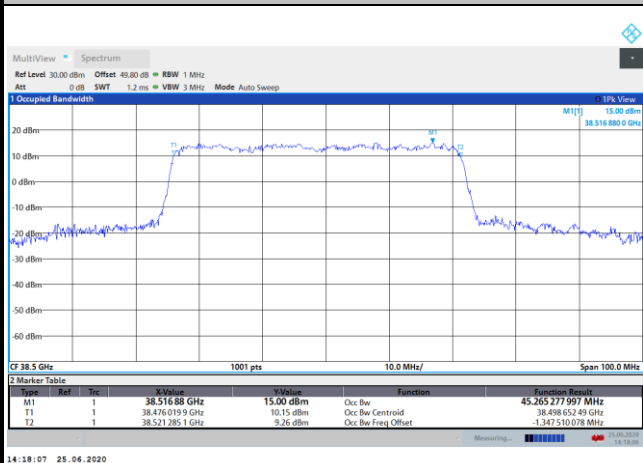
Lowest Channel / 50MHz / QPSK



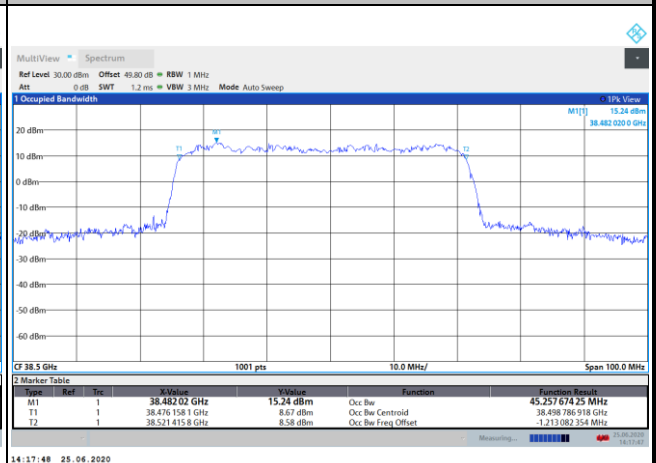
Lowest Channel / 50MHz / 16QAM



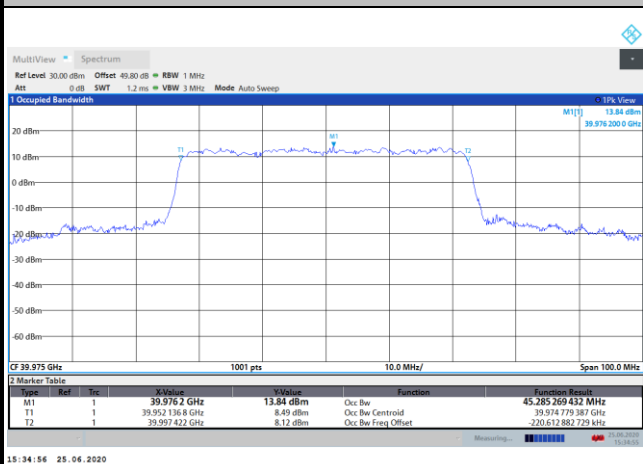
Middle Channel / 50MHz / QPSK



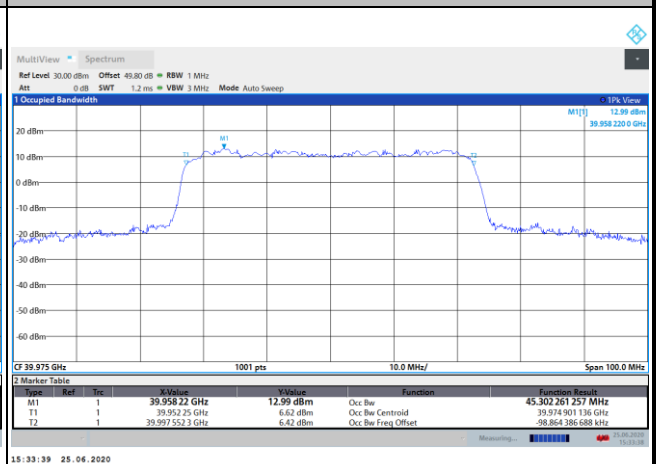
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

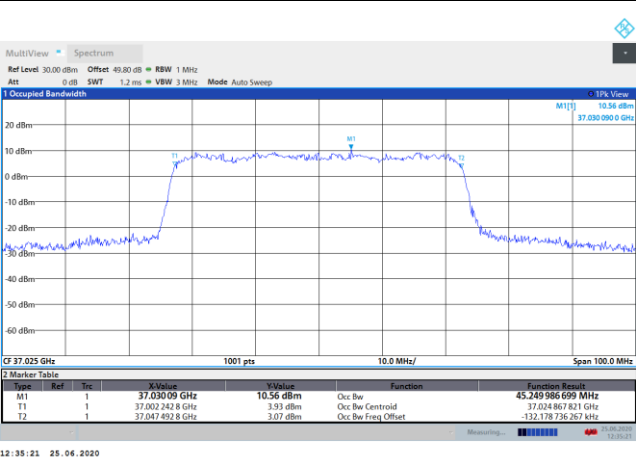




CP-OFDM Module 0

NR Band n260

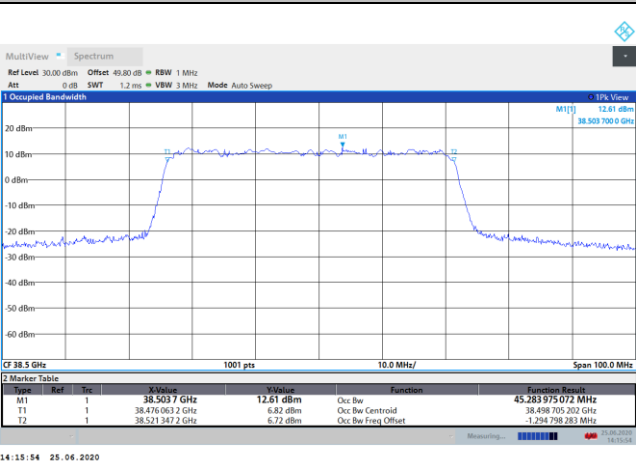
Lowest Channel / 50MHz / 64QAM



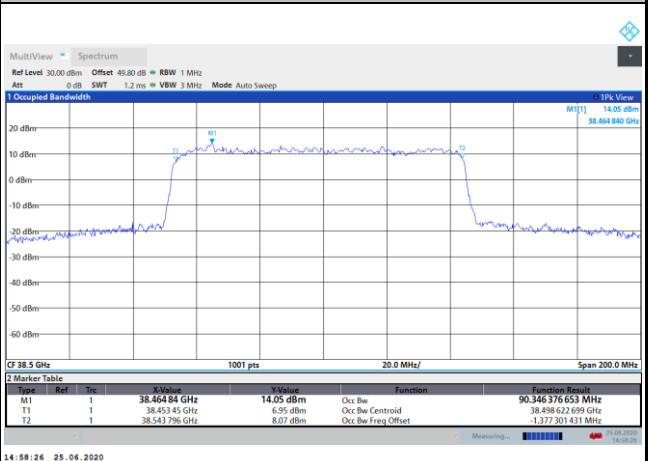
Lowest Channel / 100MHz / QPSK



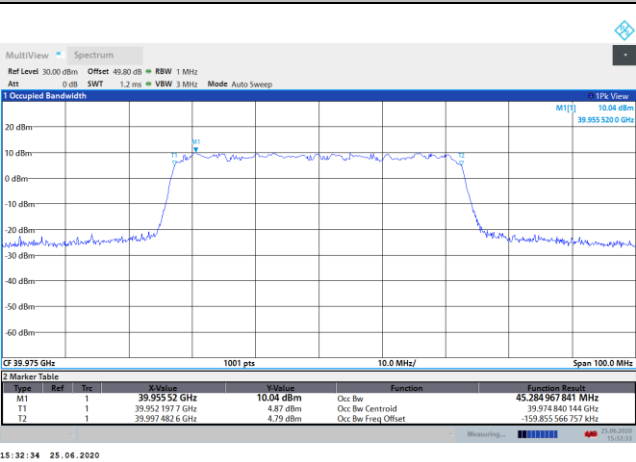
Middle Channel / 50MHz / 64QAM



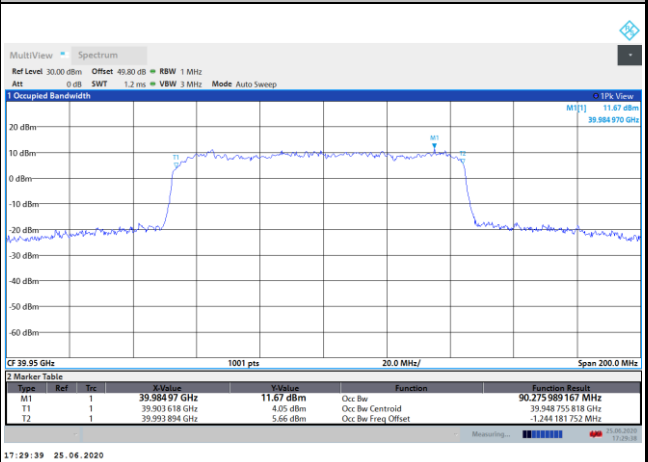
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

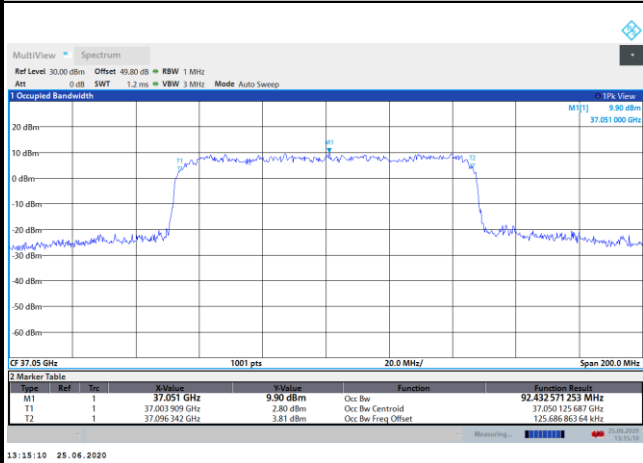




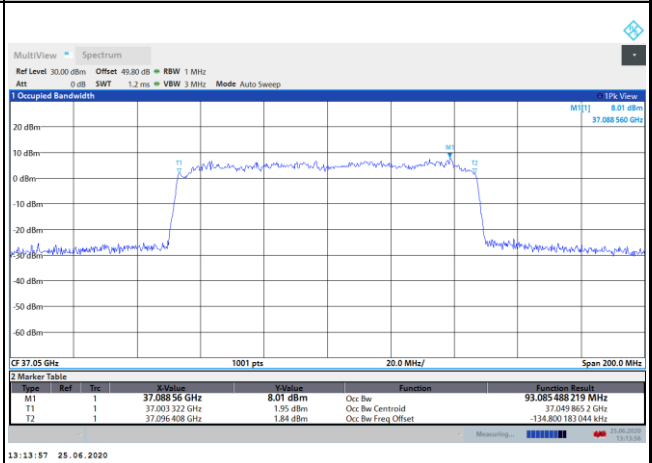
CP-OFDM Module 0

NR Band n260

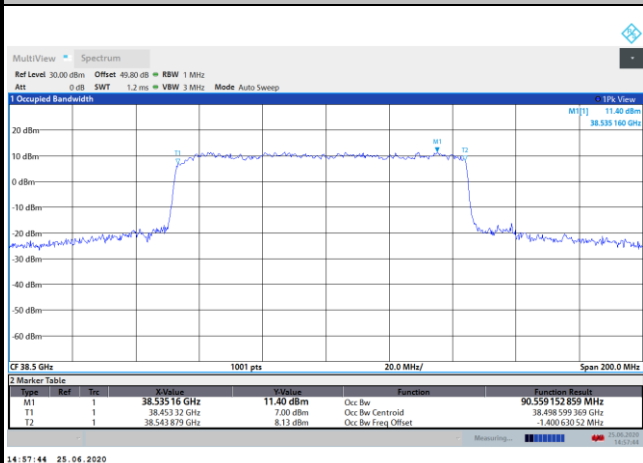
Lowest Channel / 100MHz / 16QAM



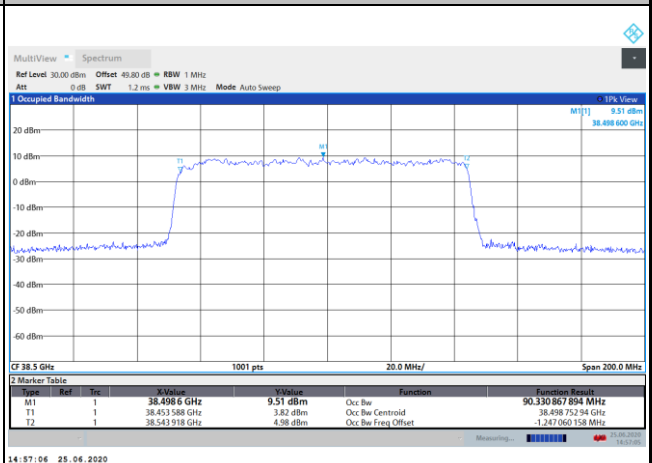
Lowest Channel / 100MHz / 64QAM



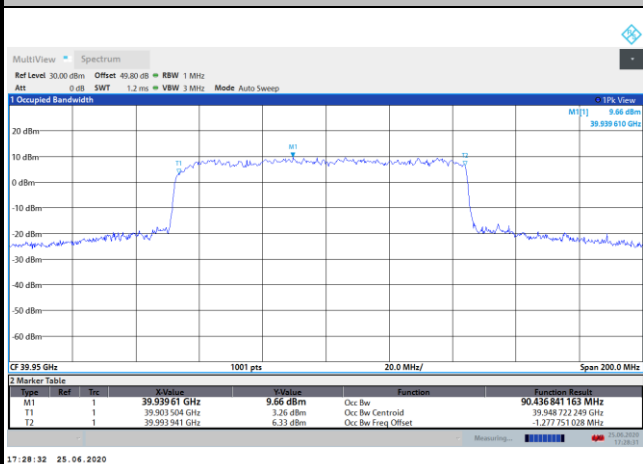
Middle Channel / 100MHz / 16QAM



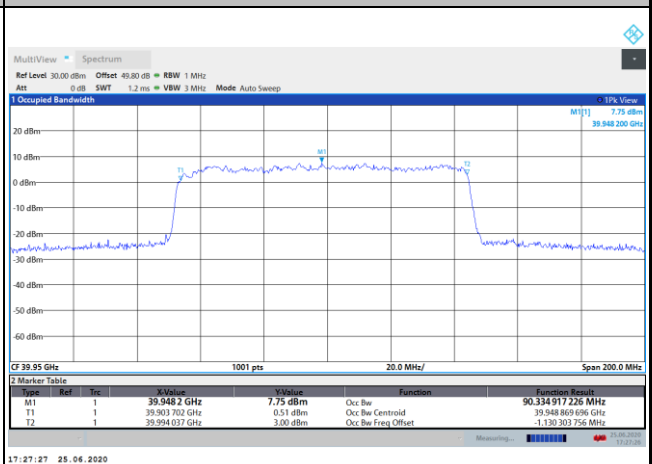
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

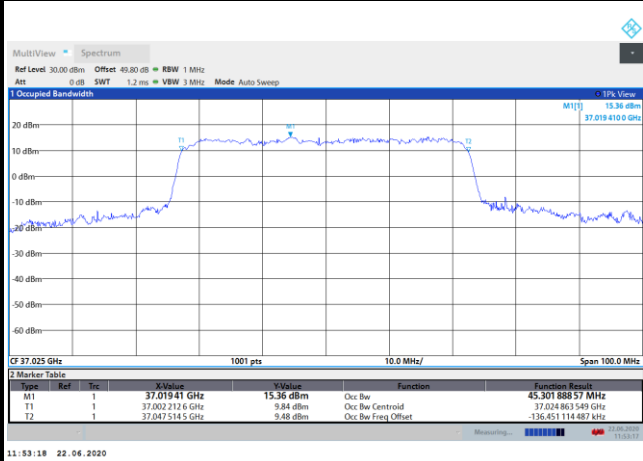




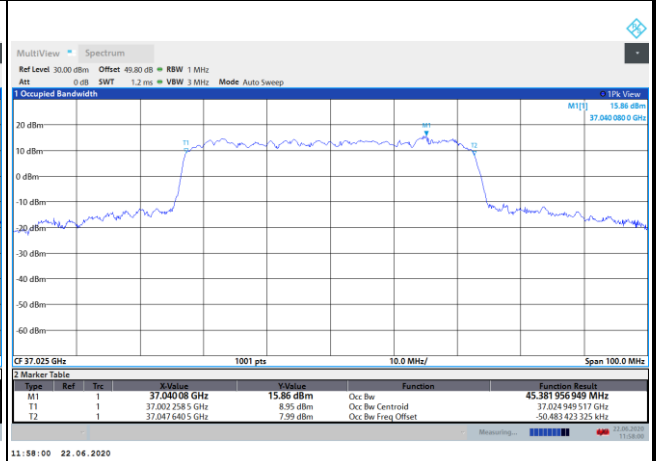
CP-OFDM Module 1

NR Band n260

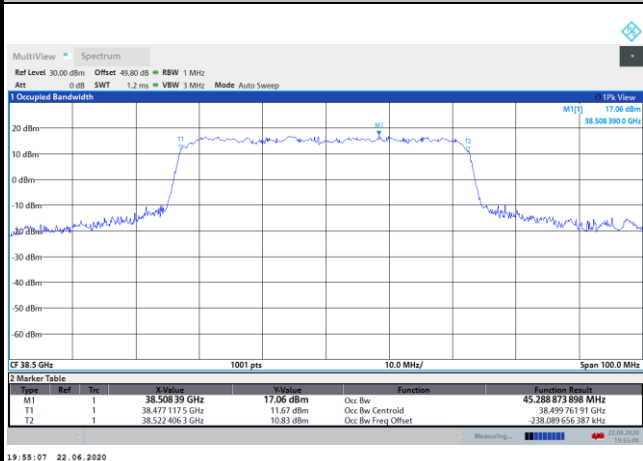
Lowest Channel / 50MHz / QPSK



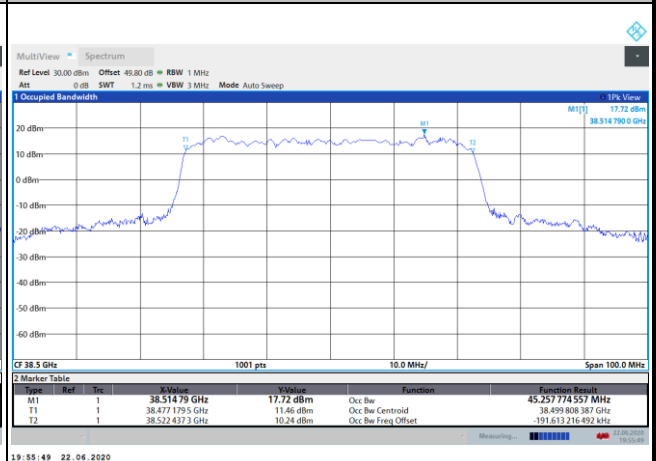
Lowest Channel / 50MHz / 16QAM



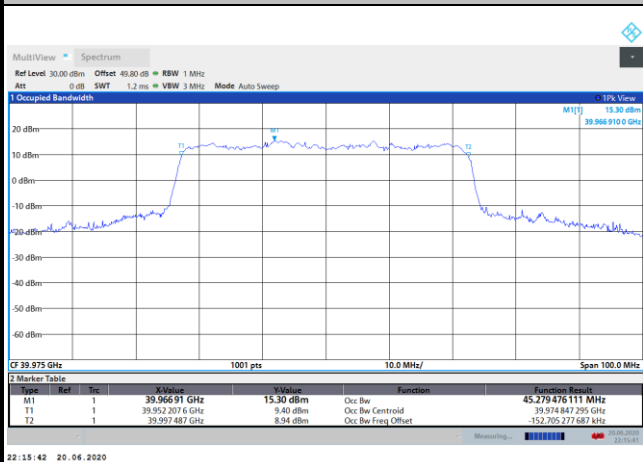
Middle Channel / 50MHz / QPSK



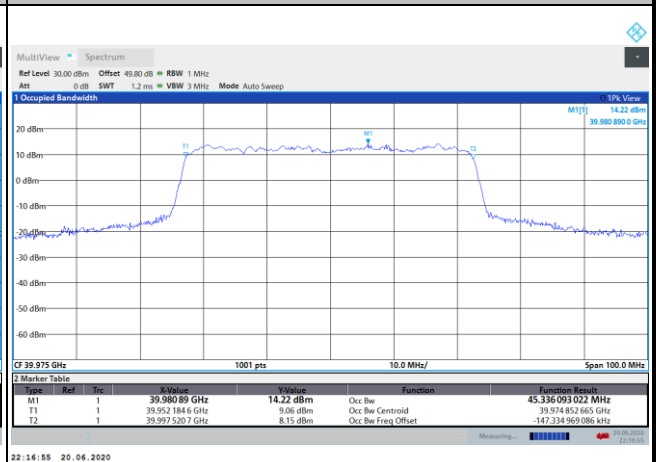
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

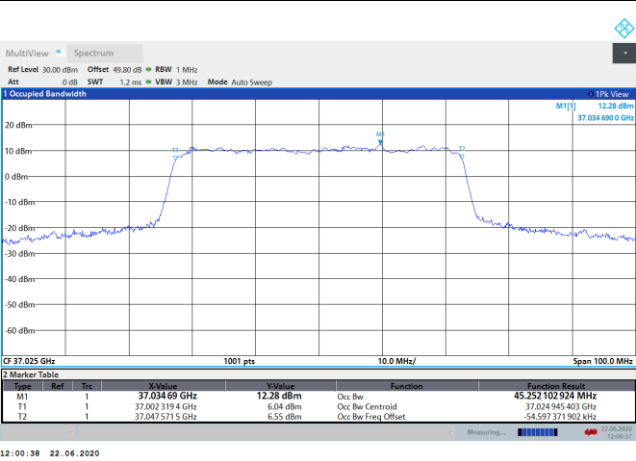




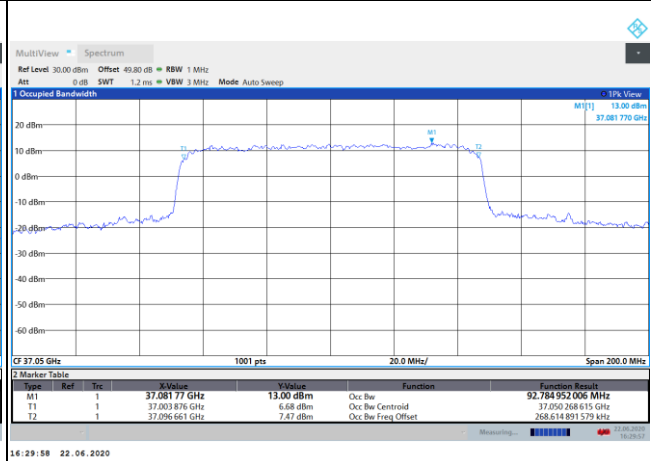
CP-OFDM Module 1

NR Band n260

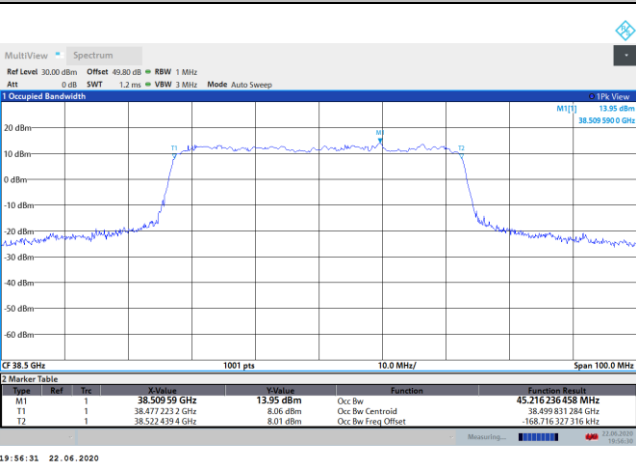
Lowest Channel / 50MHz / 64QAM



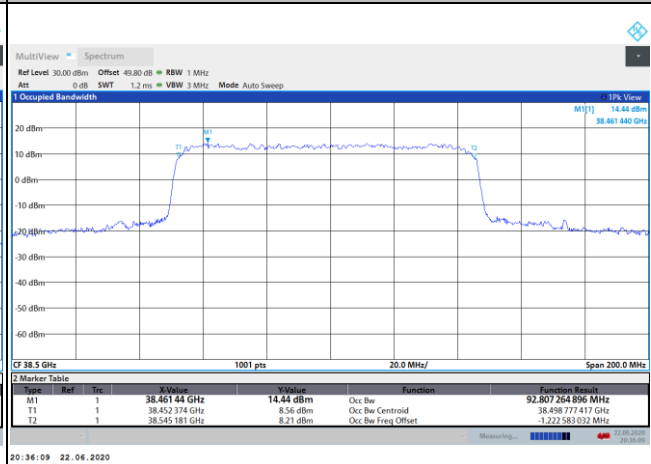
Lowest Channel / 100MHz / QPSK



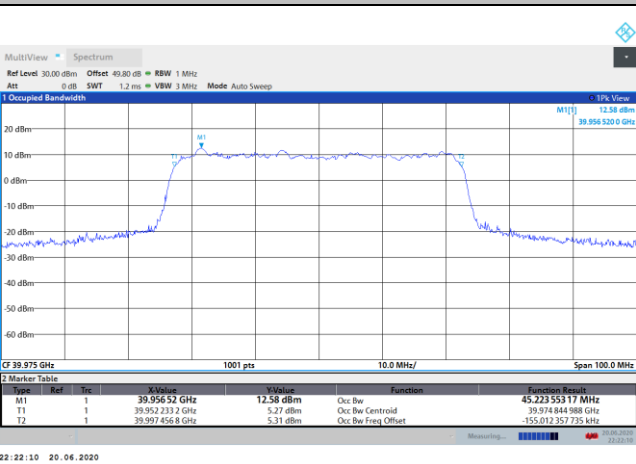
Middle Channel / 50MHz / 64QAM



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

