



CP-OFDM Module 1

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



22:24:24 06.05.2020

Highest Band Edge / Full RB



00:47:31 07.05.2020

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



22:27:19 06.05.2020

Highest Band Edge / Full RB



00:48:37 07.05.2020



CP-OFDM Module 1

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

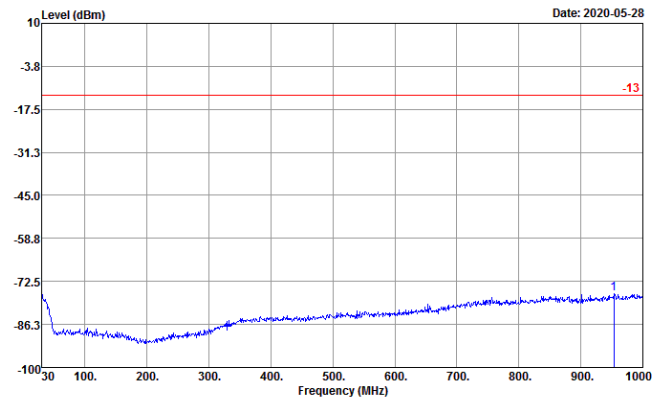




Spurious Emission

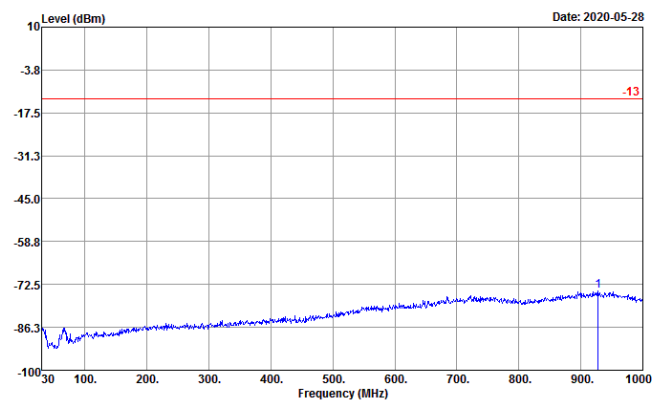


There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz.
Only the noise floor is reported.

NR Band n260 (30MHz-1GHz)**Horizontal**

Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 011718-01
 : n260-A60-B18-L-50M-1RB11-DFT-S

	Freq	Level	Over Limit	Limit Line	LISN Factor
	MHz	dBm	dB	dBm	dB
1	953.44	-76.46	-63.46	-13.00	38.73

Vertical

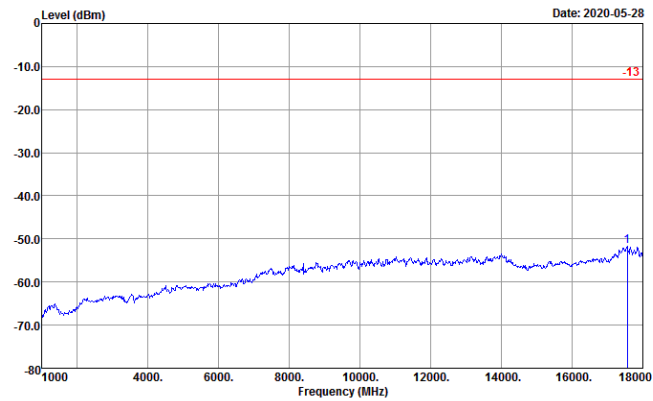
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 011718-01
 : n260-A60-B18-L-50M-1RB11-DFT-S

	Freq	Level	Over Limit	Limit Line	LISN Factor
	MHz	dBm	dB	dBm	dB
1	928.22	-74.58	-61.58	-13.00	40.63



NR Band n260 (1GHz-18GHz)

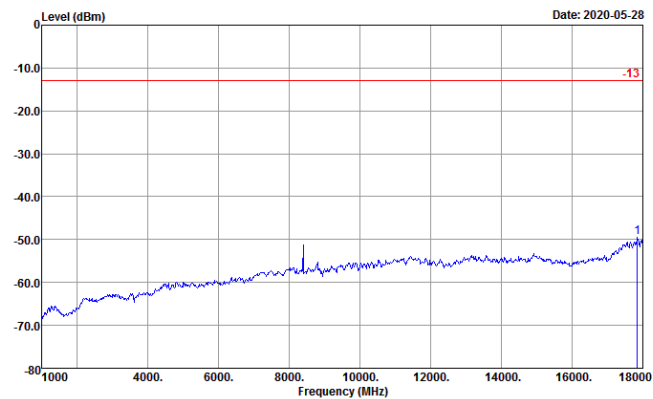
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 011718-01
 : n260-A60-B18-L-50M-1RB11-DFT-S

	Freq	Level	Over Limit	Limit Line	LISN Factor
	MHz	dBm	dB	dBm	dB
1	17558.00	-51.61	-38.61	-13.00	72.65

Vertical



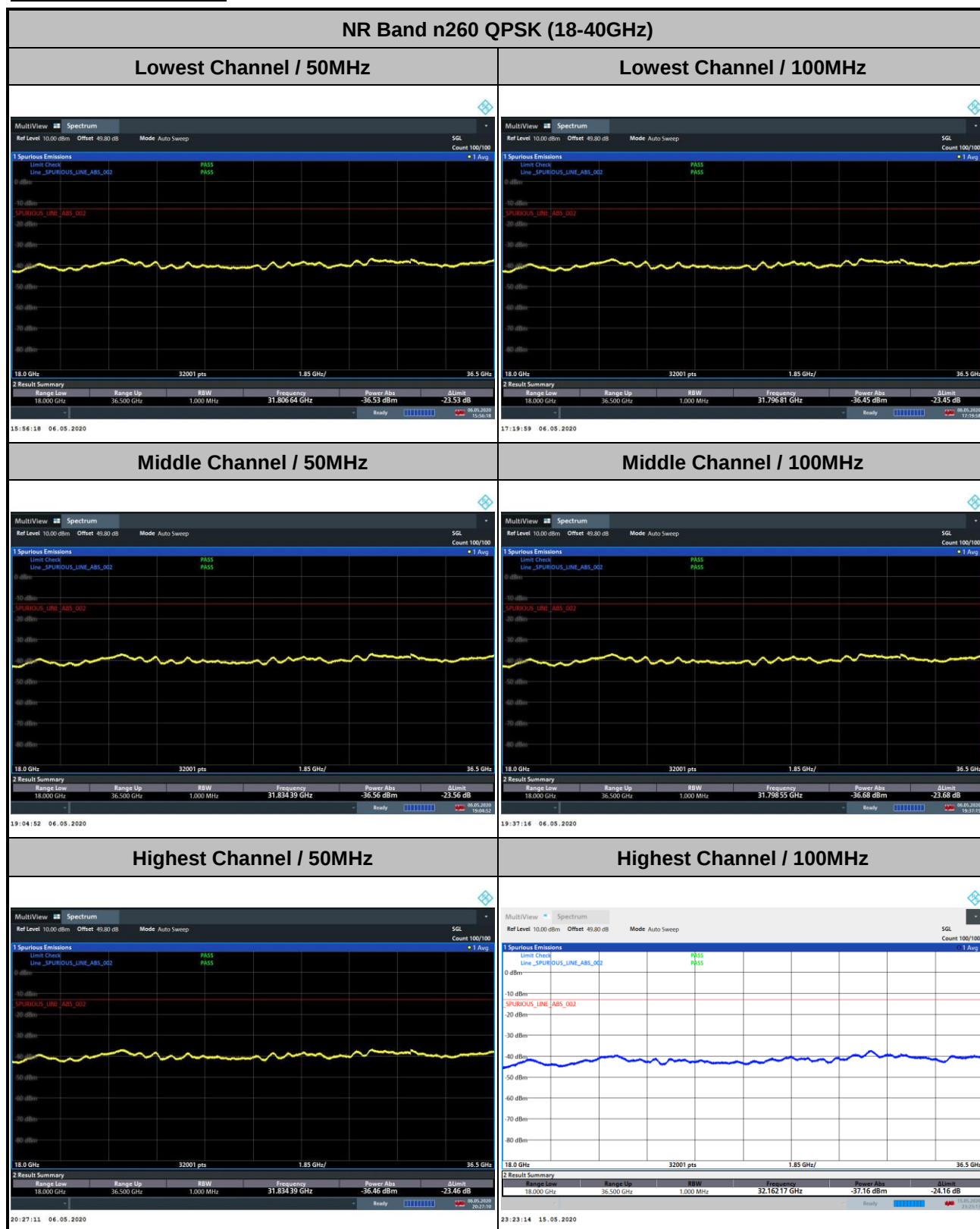
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 011718-01
 : n260-A60-B18-L-50M-1RB11-DFT-S

	Freq	Level	Over Limit	Limit Line	LISN Factor
	MHz	dBm	dB	dBm	dB
1	17847.00	-49.57	-36.57	-13.00	75.20



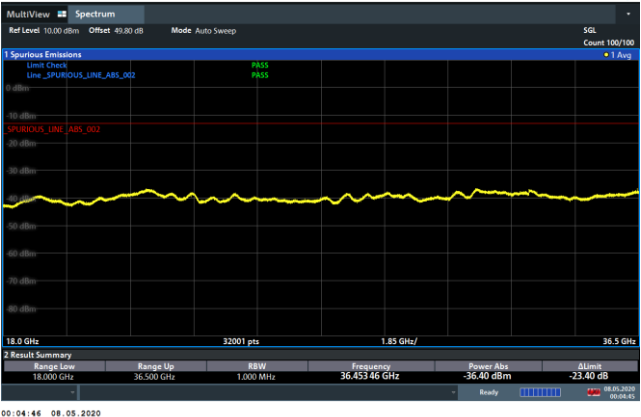
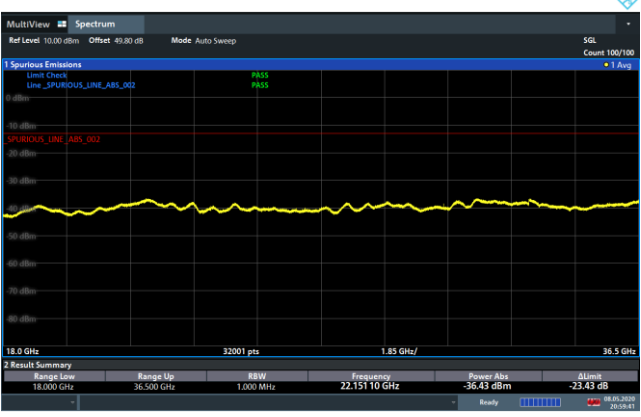
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module 0



Remark: In band and out of band frequencies are omitted.

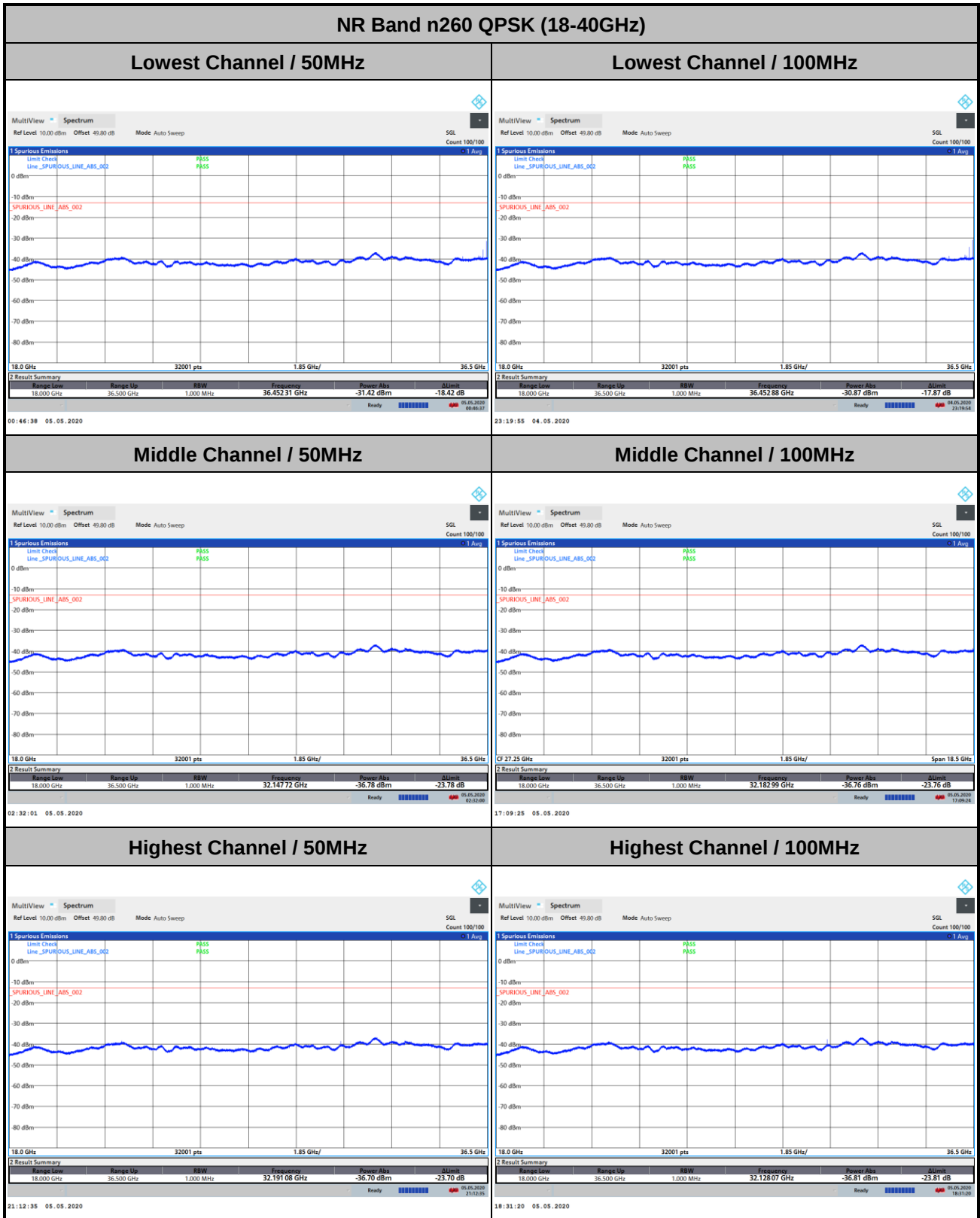
**DFT-s-OFDM Module 0**

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
	intentionally blank
Middle Channel / 200MHz	
	intentionally blank
Highest Channel / 200MHz	
	intentionally blank

Remark: In band and out of band frequencies are omitted.

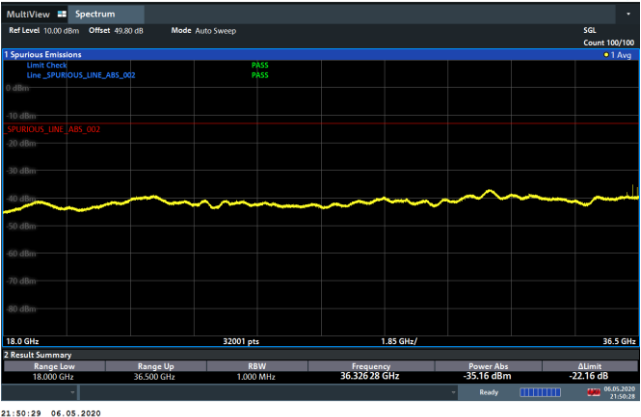
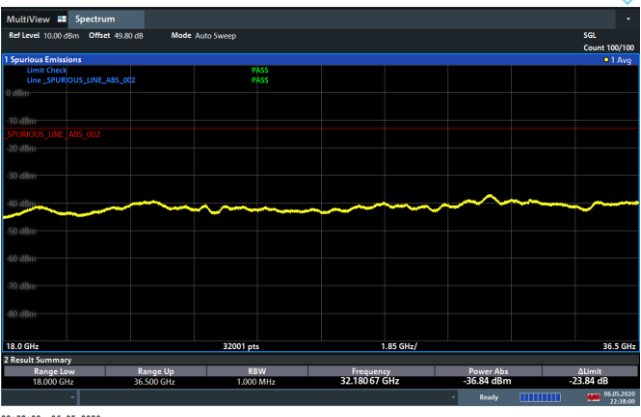
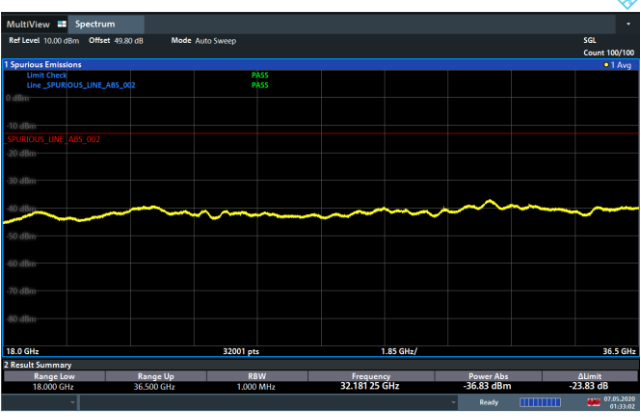


DFT-s-OFDM Module 1



Remark: In band and out of band frequencies are omitted.

**DFT-s-OFDM Module 1**

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
	intentionally blank
Middle Channel / 200MHz	
	intentionally blank
Highest Channel / 200MHz	
	intentionally blank

Remark: In band and out of band frequencies are omitted.



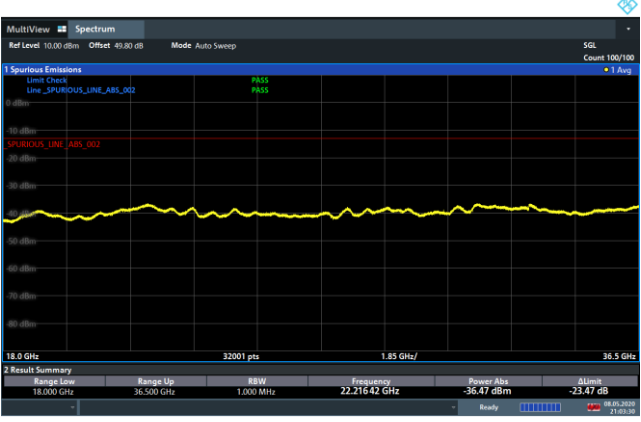
CP-OFDM Module 0



Remark: In band and out of band frequencies are omitted.



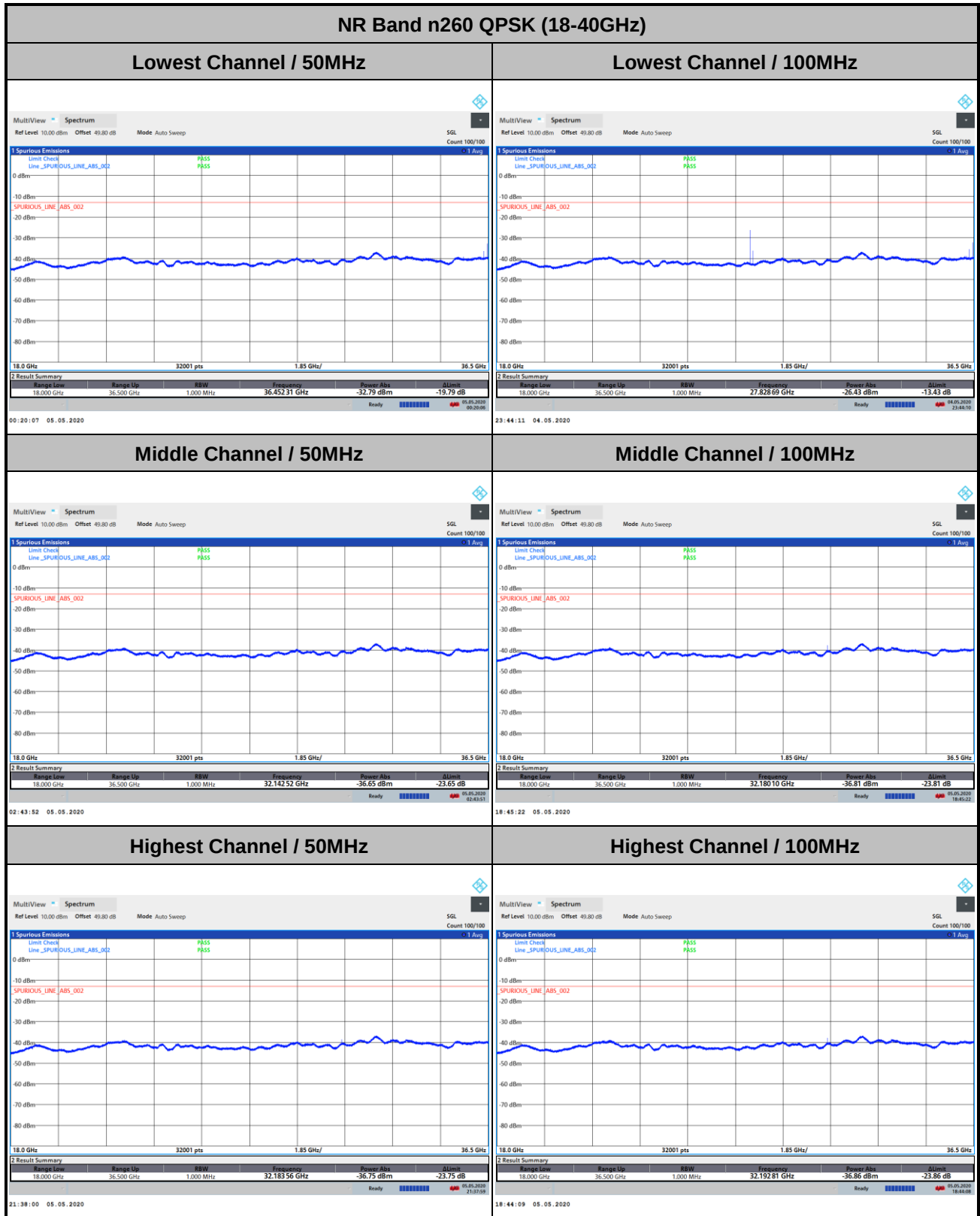
CP-OFDM Module 0

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
	intentionally blank
Middle Channel / 200MHz	
	intentionally blank
Highest Channel / 200MHz	
	intentionally blank

Remark: In band and out of band frequencies are omitted.



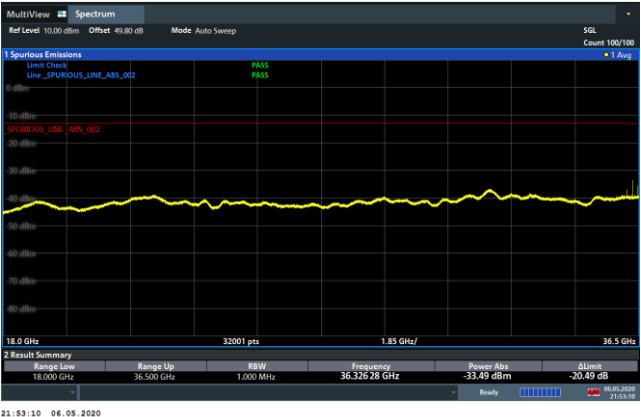
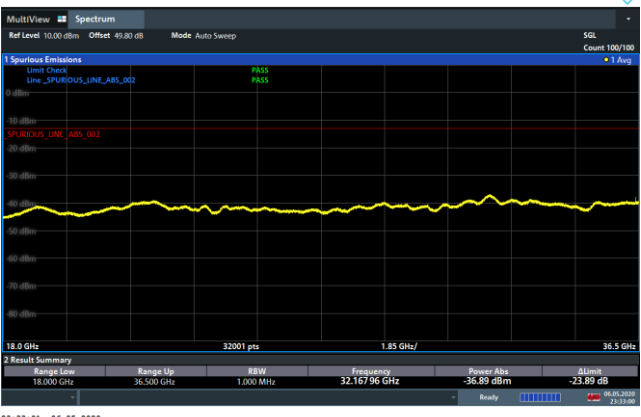
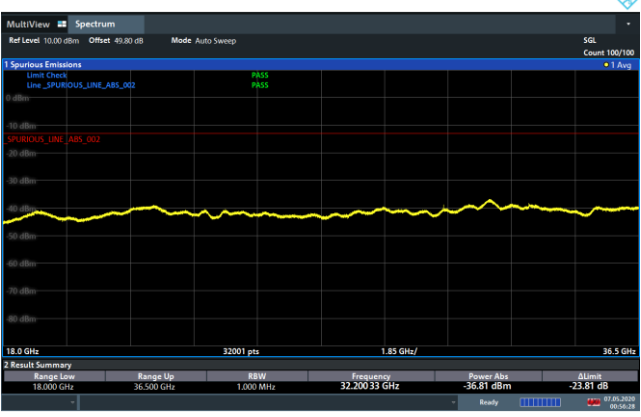
CP-OFDM Module 1



Remark: In band and out of band frequencies are omitted.



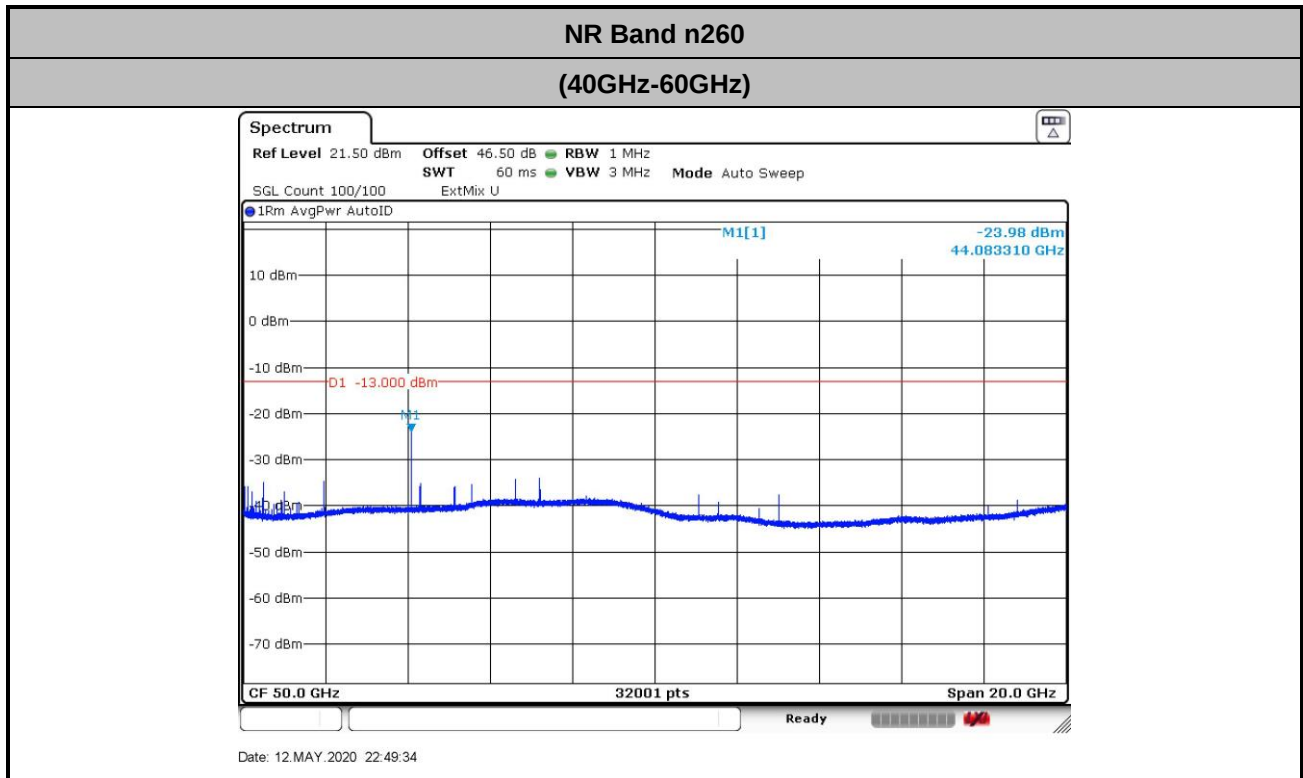
CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 200MHz	
	intentionally blank
Middle Channel / 200MHz	
	intentionally blank
Highest Channel / 200MHz	
	intentionally blank

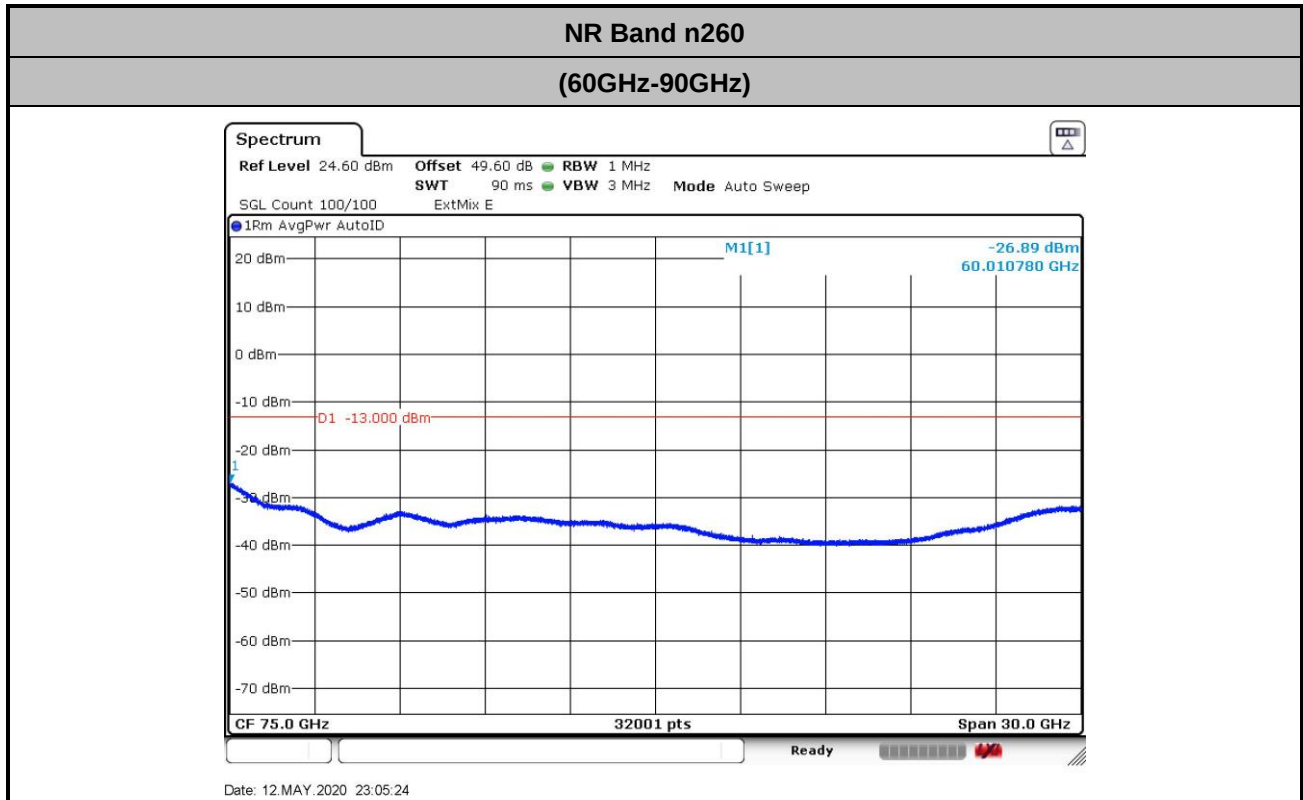
Remark: In band and out of band frequencies are omitted.



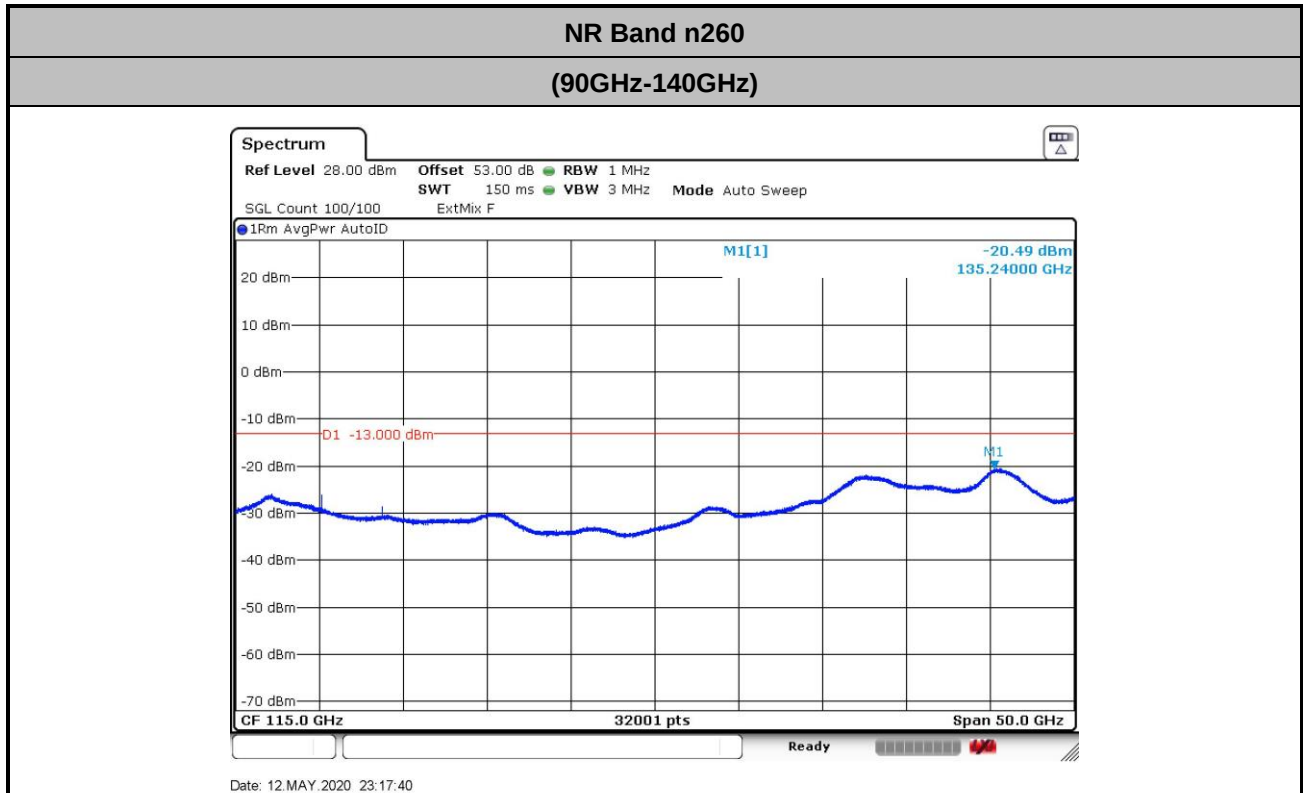
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.



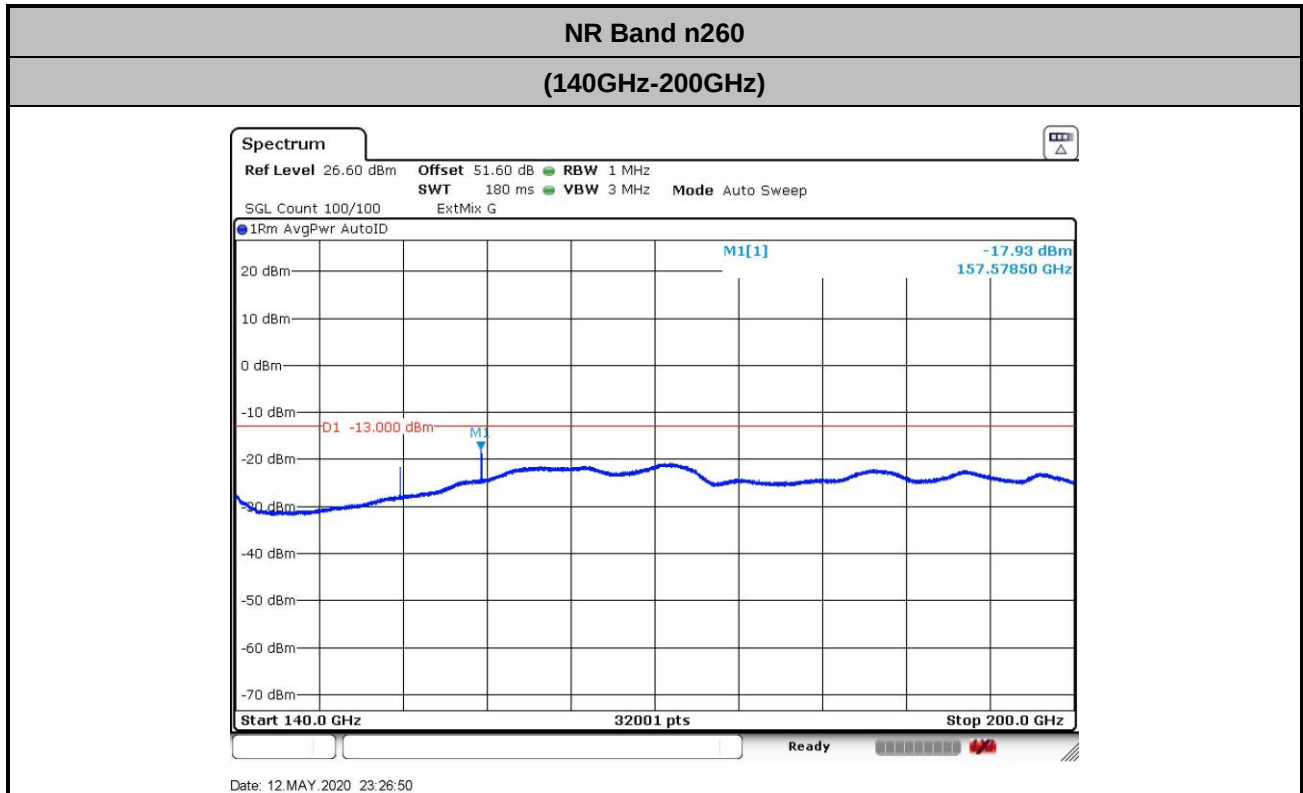
$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}\end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 2.2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 48.8 + 2 + 107 + 20\log(1) - 104.8 = 53 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 = 51.6 \text{ (dB)} \end{aligned}$$

NR Band n260 AG1

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.57	45.40	45.42	90.14	90.05	90.22	188.50	187.74	186.28
Middle CH	45.26	45.30	45.37	90.10	90.03	90.16	188.80	188.19	184.90
Highest CH	45.33	45.48	45.31	90.60	90.72	90.78	188.35	188.09	185.75

Mode	DFT-s-OFDM Module 1 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.22	45.12	45.33	90.69	90.22	90.17	188.36	187.94	185.69
Middle CH	45.22	45.08	45.30	90.59	90.21	90.1	188.46	188.06	184.88
Highest CH	45.30	45.17	45.35	90.83	90.33	90.30	188.60	188.20	185.30

Mode	CP-OFDM Module 0 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.26	45.43	45.35	92.78	92.59	92.91	190.17	188.26	189.58
Middle CH	45.26	45.41	45.34	92.76	92.47	92.84	190.24	186.64	189.47
Highest CH	45.53	45.45	45.35	93.00	92.71	93.15	189.72	186.64	189.19

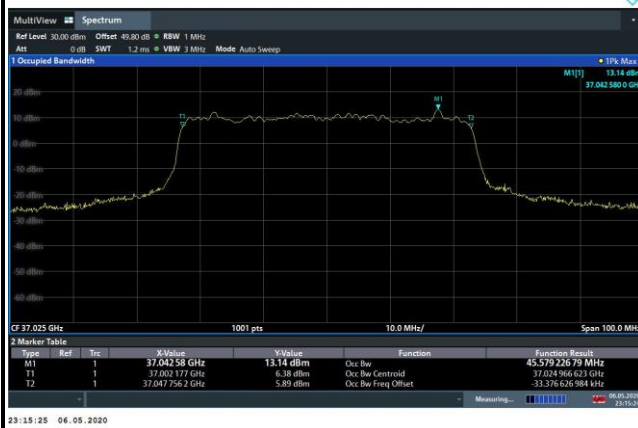
Mode	CP-OFDM Module 1 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.22	45.37	45.31	92.79	92.77	92.68	187.86	186.16	187.83
Middle CH	45.19	45.36	45.30	92.78	92.74	92.59	189.61	186.61	188.54
Highest CH	45.26	45.40	45.35	92.80	92.86	92.77	189.61	186.46	188.53



DFT-s-OFDM Module 0

NR Band n260

Lowest Channel / 50MHz / QPSK



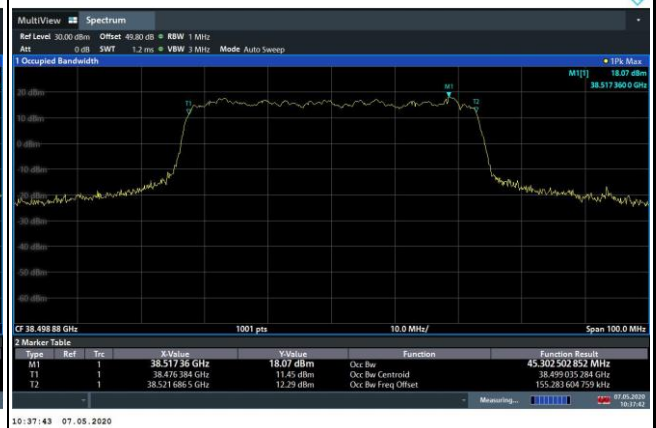
Lowest Channel / 50MHz / 16QAM



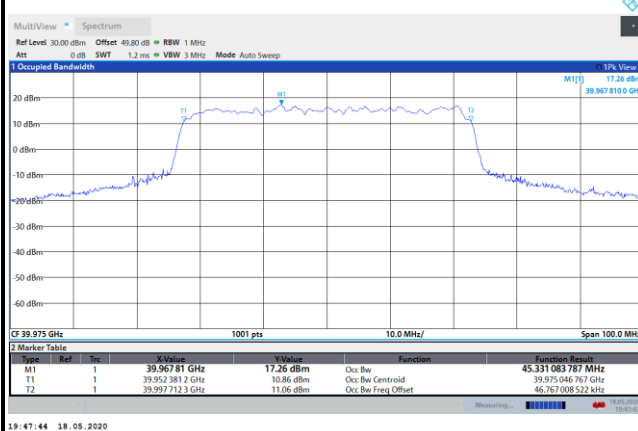
Middle Channel / 50MHz / QPSK



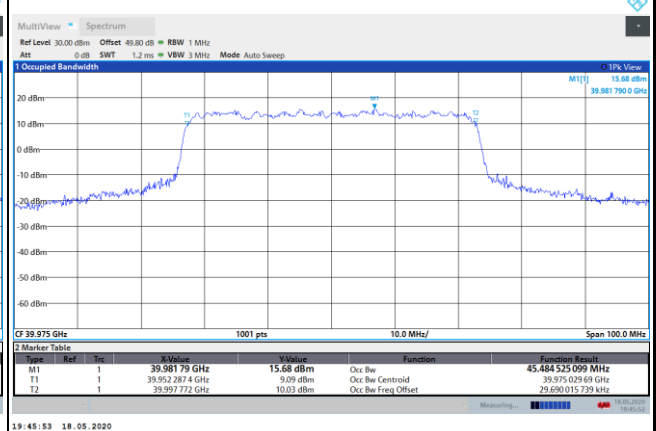
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM





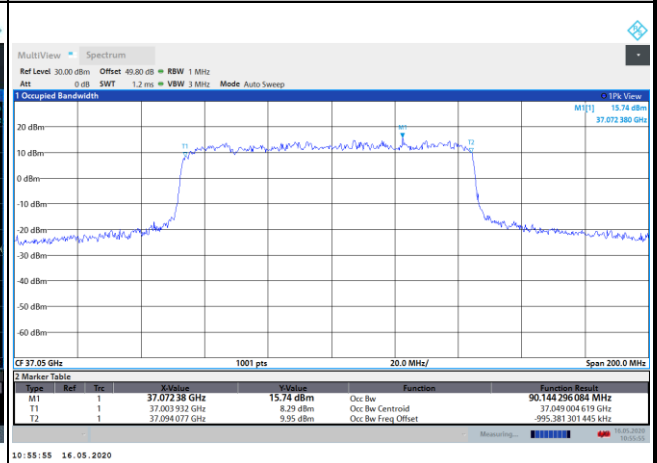
DFT-s-OFDM Module 0

NR Band n260

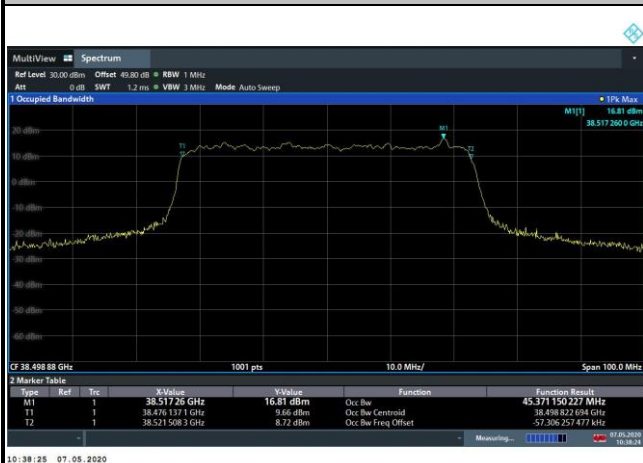
Lowest Channel / 50MHz / 64QAM



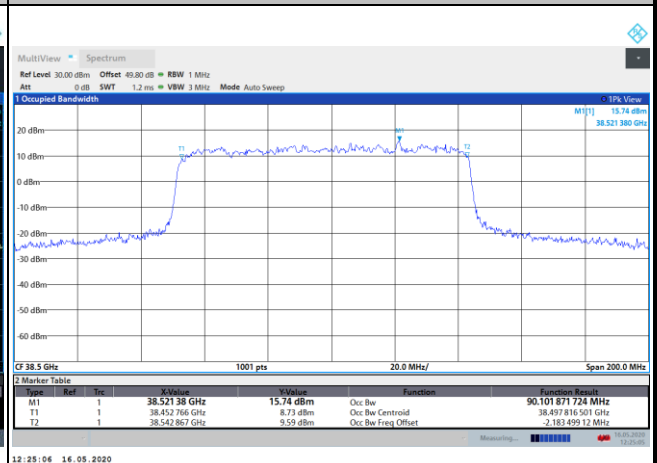
Lowest Channel / 100MHz / QPSK



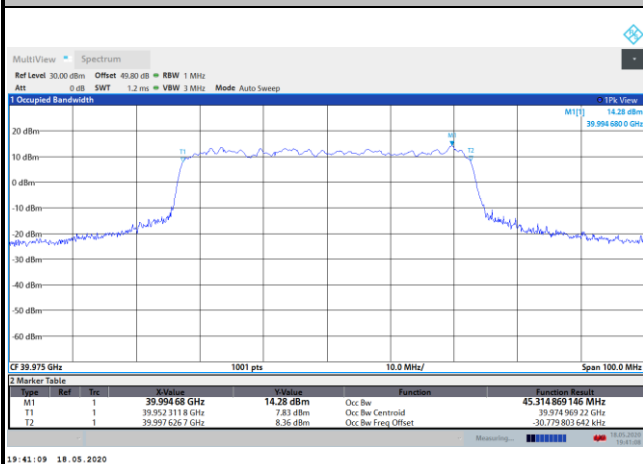
Middle Channel / 50MHz / 64QAM



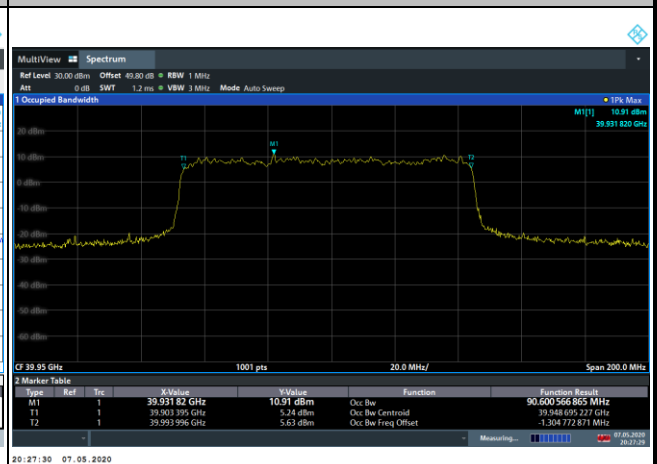
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

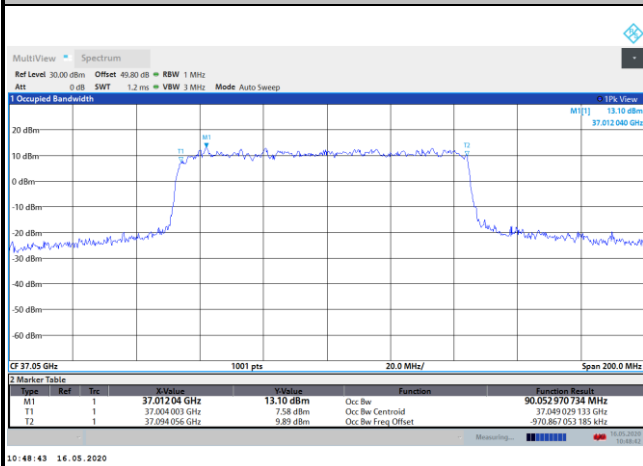




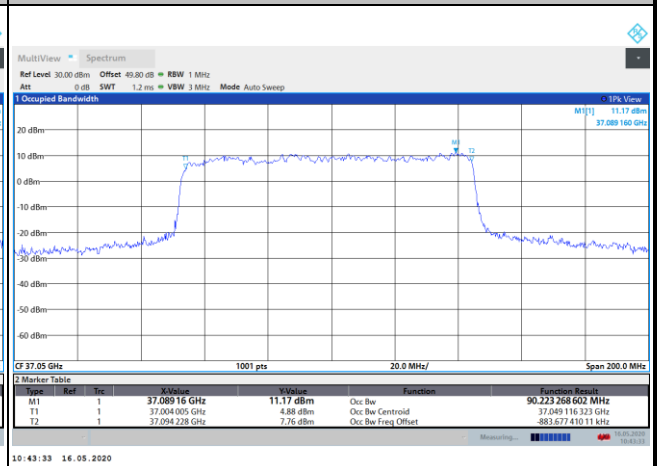
DFT-s-OFDM Module 0

NR Band n260

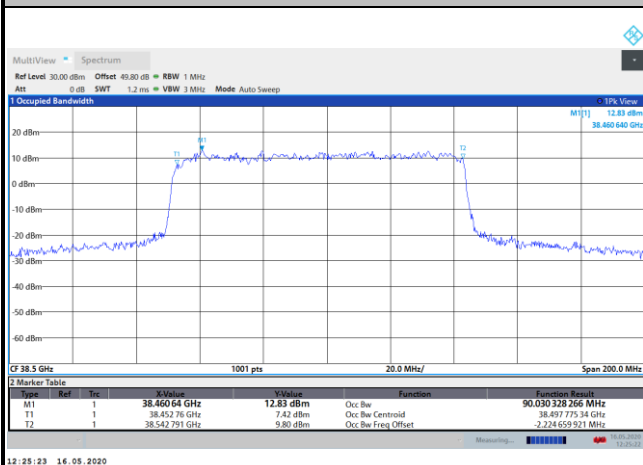
Lowest Channel / 100MHz / 16QAM



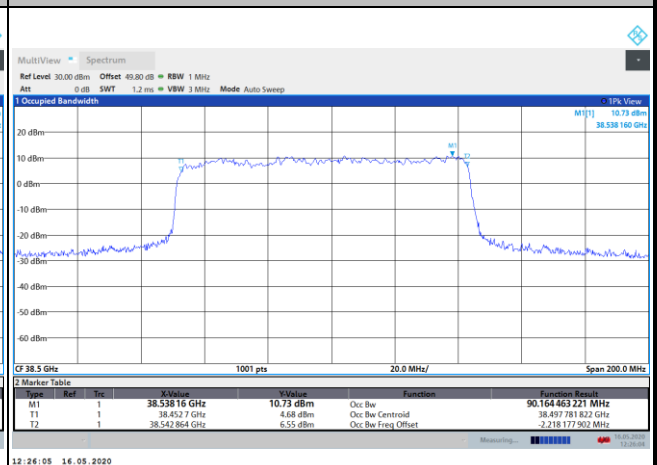
Lowest Channel / 100MHz / 64QAM



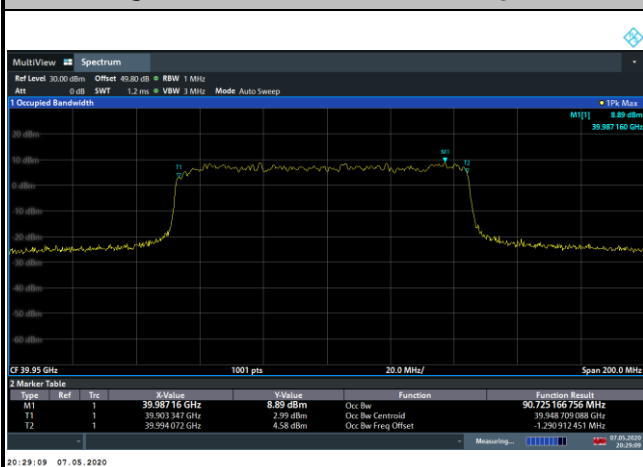
Middle Channel / 100MHz / 16QAM



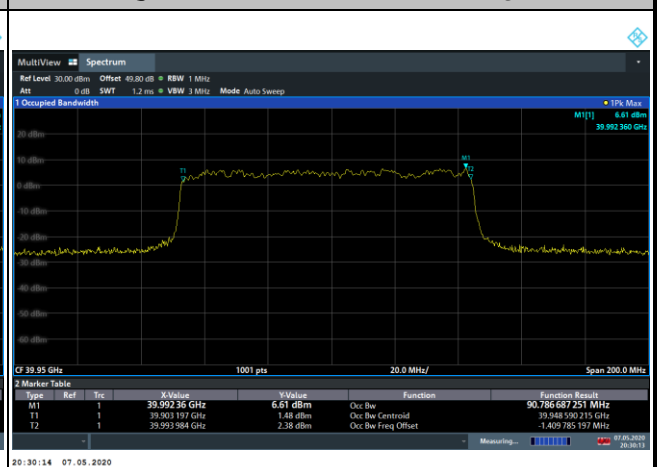
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

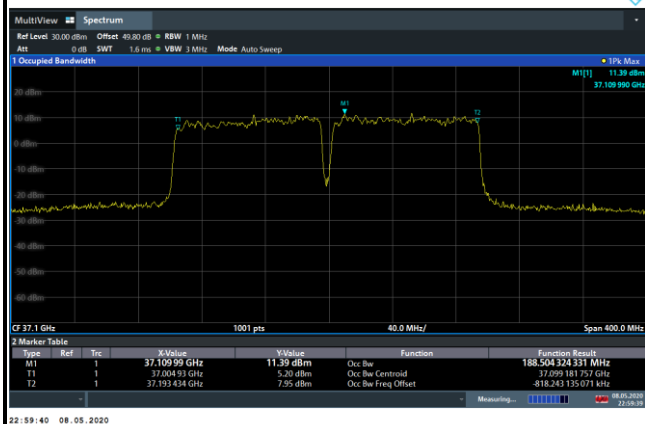




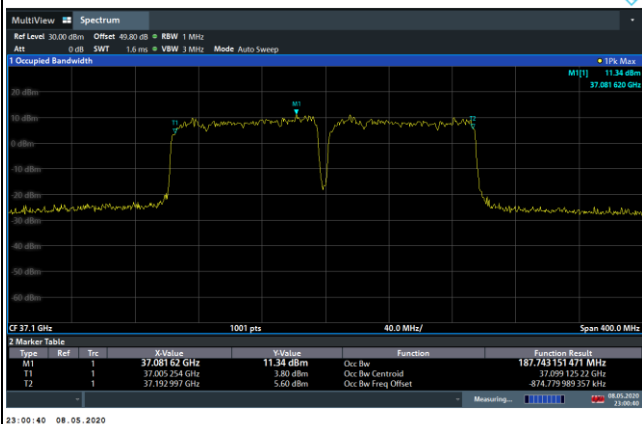
DFT-s-OFDM Module 0

NR Band n260

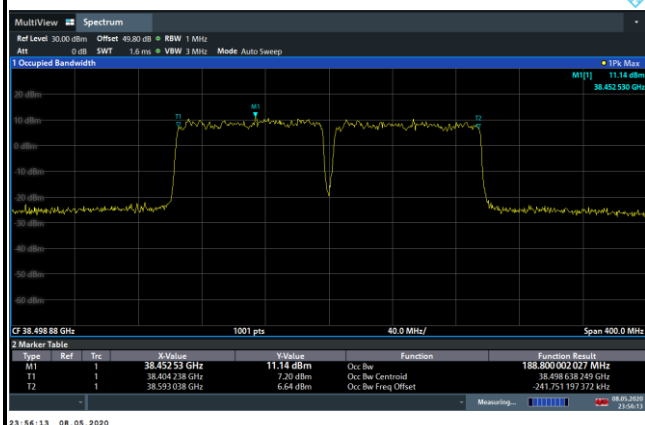
Lowest Channel / 200MHz / QPSK



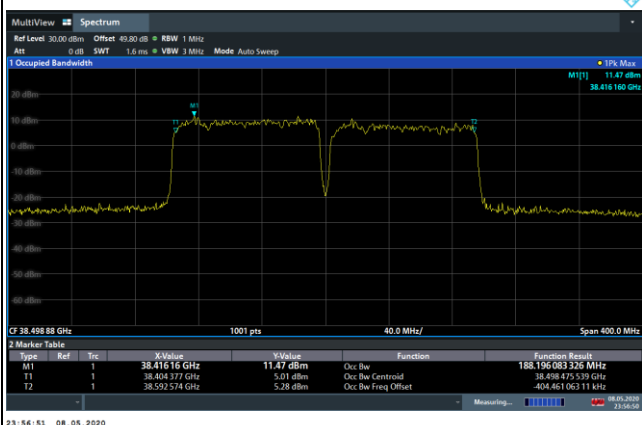
Lowest Channel / 200MHz / 16QAM



Middle Channel / 200MHz / QPSK



Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM





DFT-s-OFDM Module 0

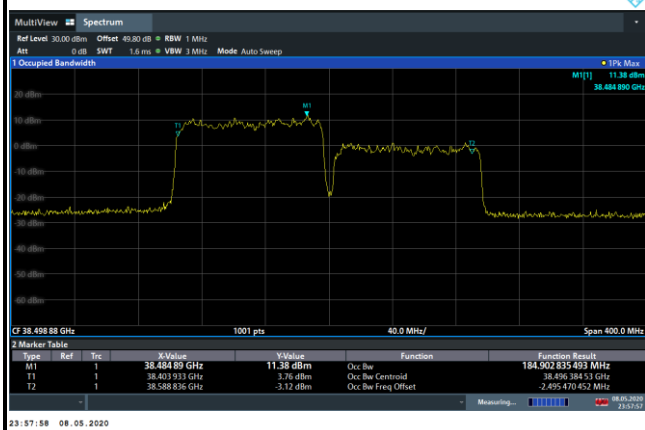
NR Band n260

Lowest Channel / 200MHz / 64QAM



intentionally blank

Middle Channel / 200MHz / 64QAM



intentionally blank

Highest Channel / 200MHz / 64QAM



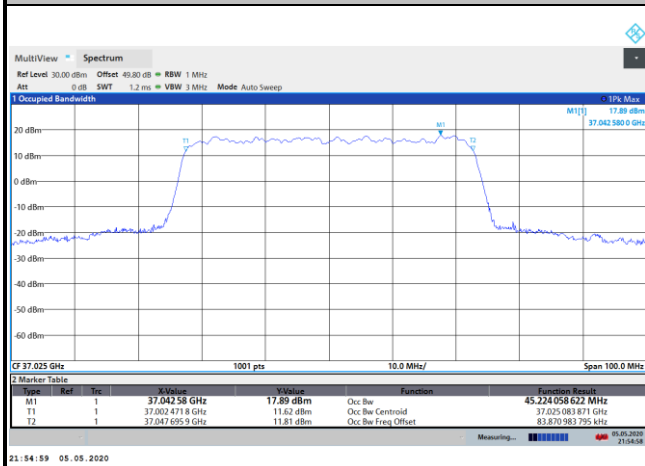
intentionally blank



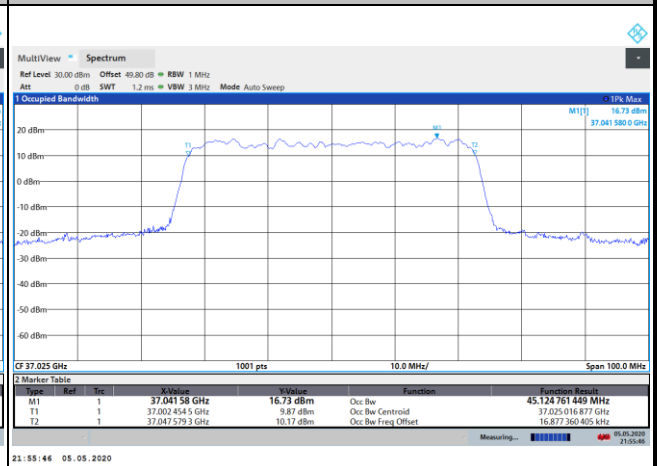
DFT-s-OFDM Module 1

NR Band n260

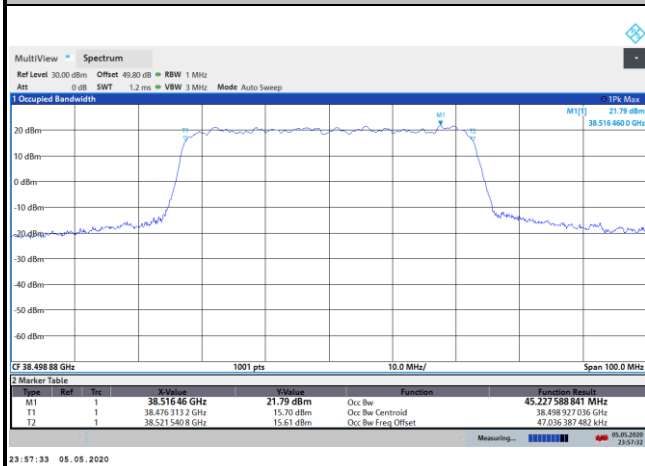
Lowest Channel / 50MHz / QPSK



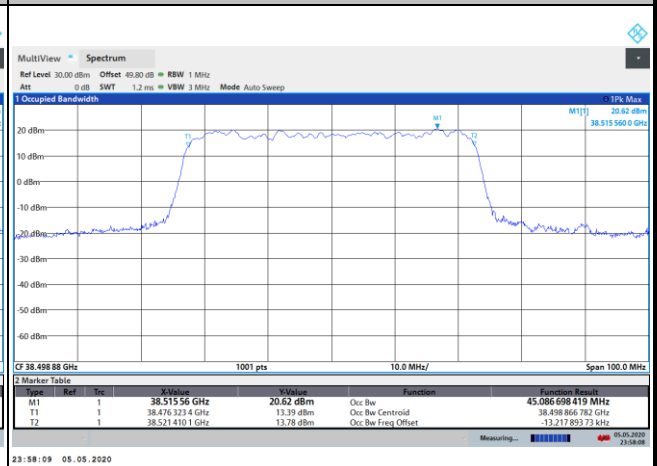
Lowest Channel / 50MHz / 16QAM



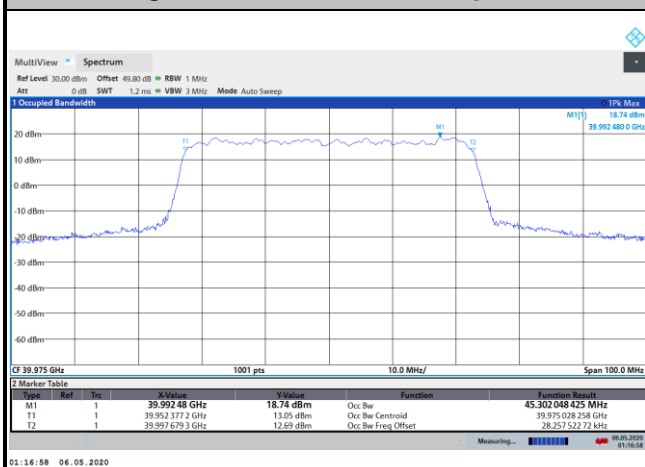
Middle Channel / 50MHz / QPSK



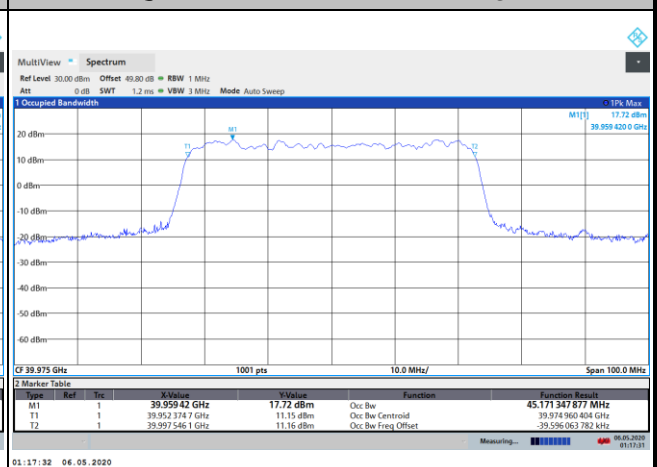
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

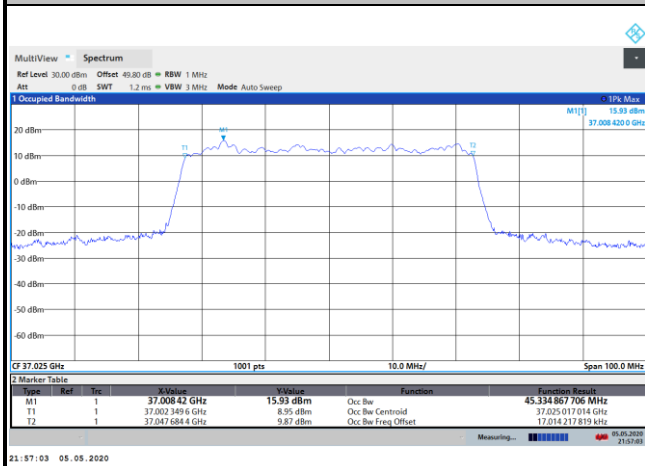




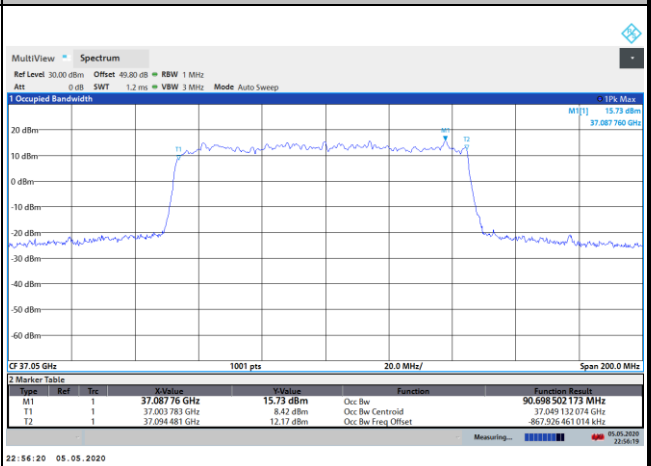
DFT-s-OFDM Module 1

NR Band n260

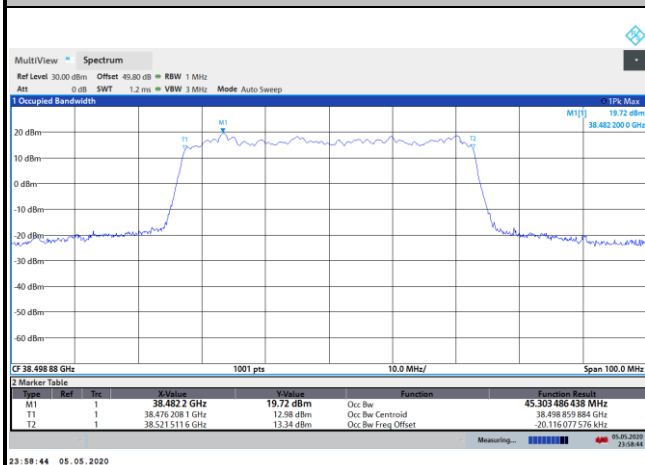
Lowest Channel / 50MHz / 64QAM



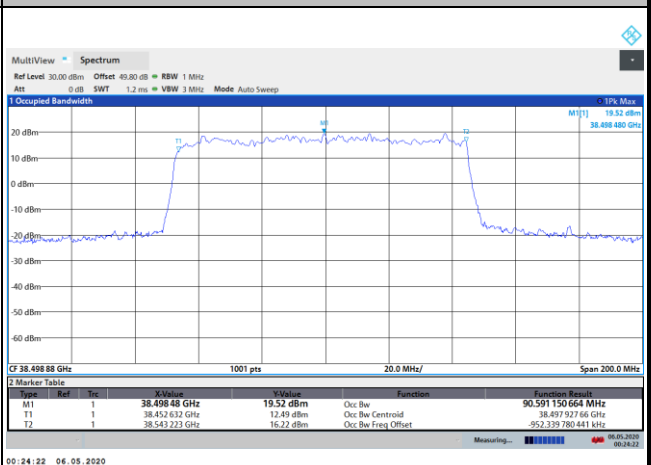
Lowest Channel / 100MHz / QPSK



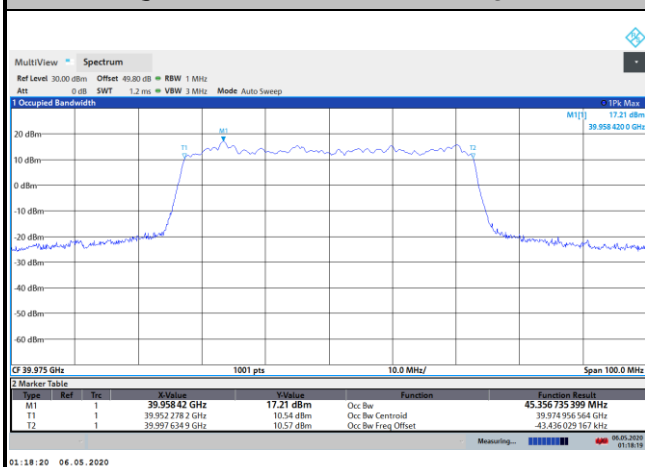
Middle Channel / 50MHz / 64QAM



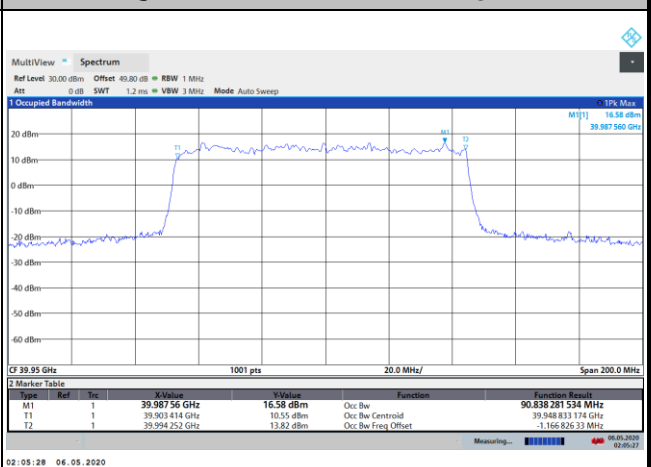
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

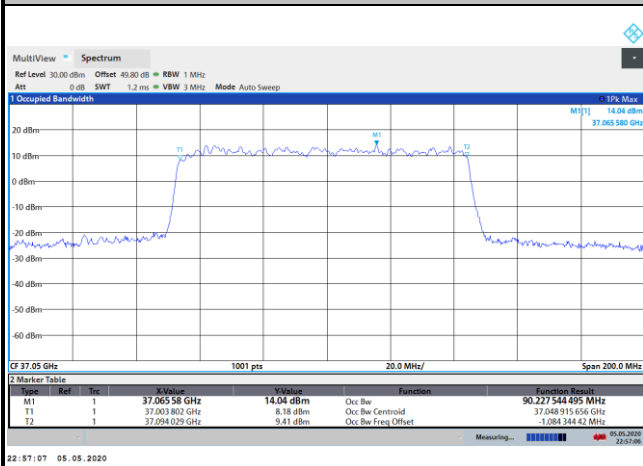




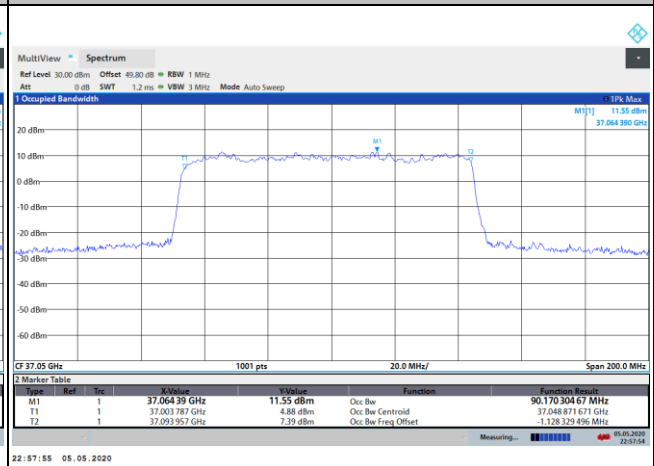
DFT-s-OFDM Module 1

NR Band n260

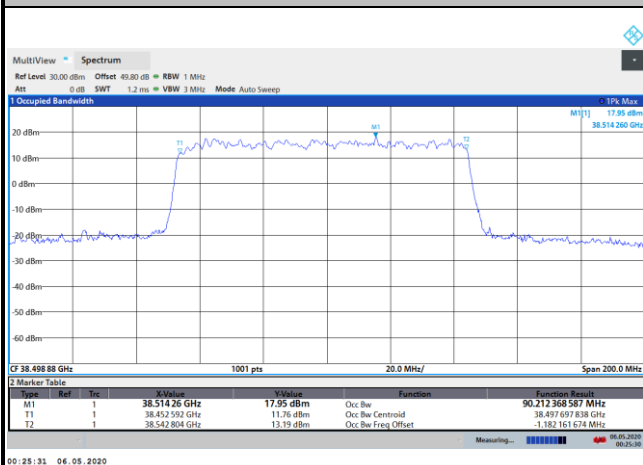
Lowest Channel / 100MHz / 16QAM



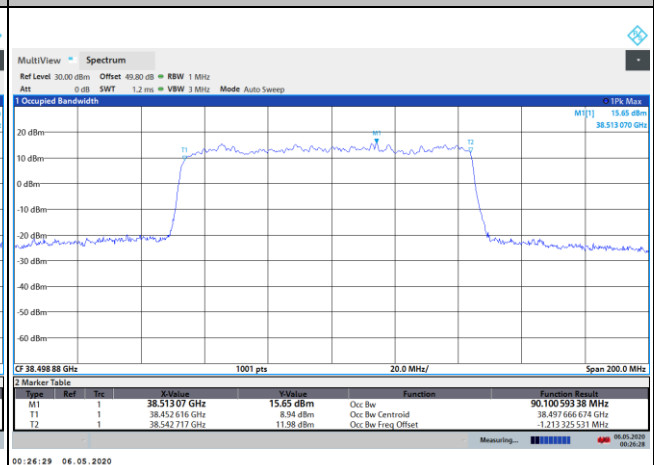
Lowest Channel / 100MHz / 64QAM



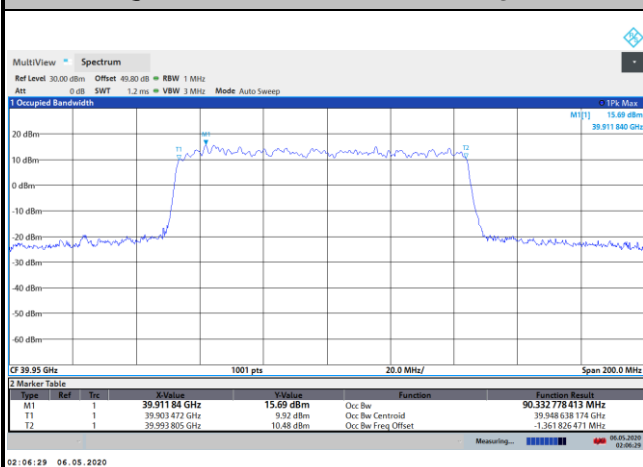
Middle Channel / 100MHz / 16QAM



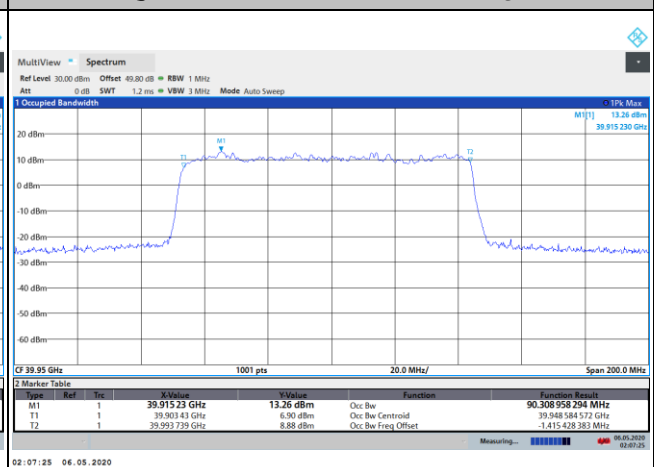
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM





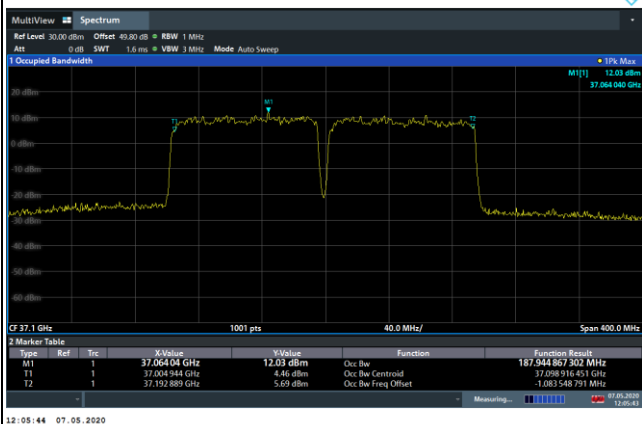
DFT-s-OFDM Module 1

NR Band n260

Lowest Channel / 200MHz / QPSK



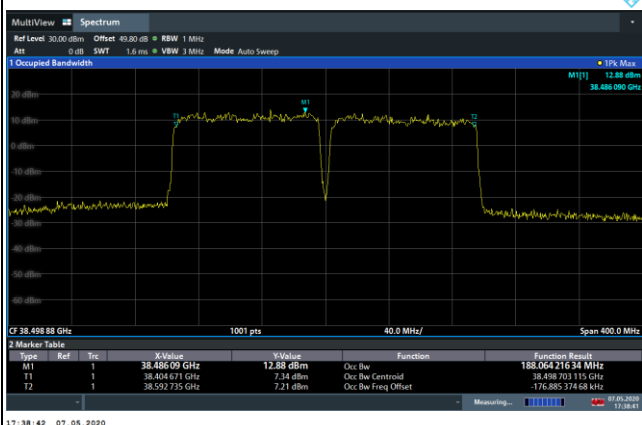
Lowest Channel / 200MHz / 16QAM



Middle Channel / 200MHz / QPSK



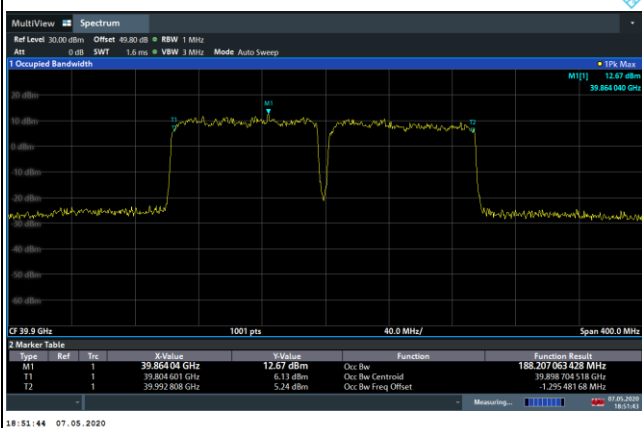
Middle Channel / 200MHz / 16QAM



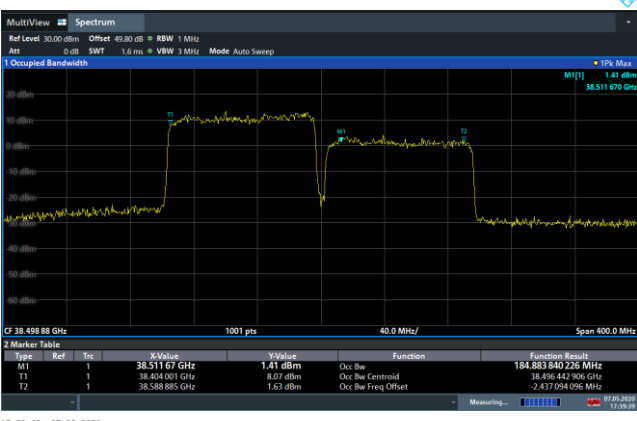
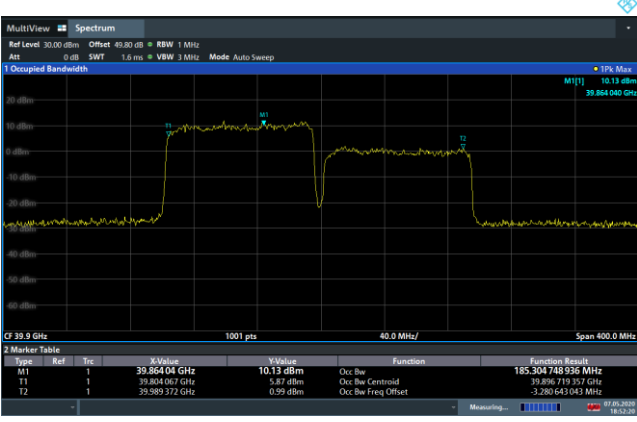
Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM



DFT-s-OFDM Module 1

NR Band n260	
Lowest Channel / 200MHz / 64QAM	
 intentionally blank	
Middle Channel / 200MHz / 64QAM	
 intentionally blank	
Highest Channel / 200MHz / 64QAM	
 intentionally blank	