

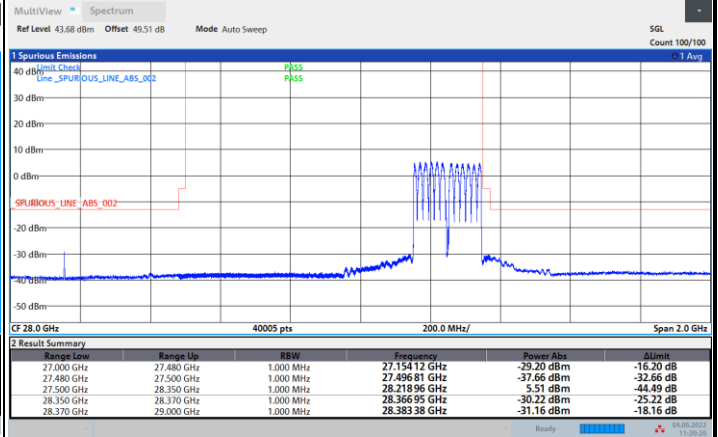
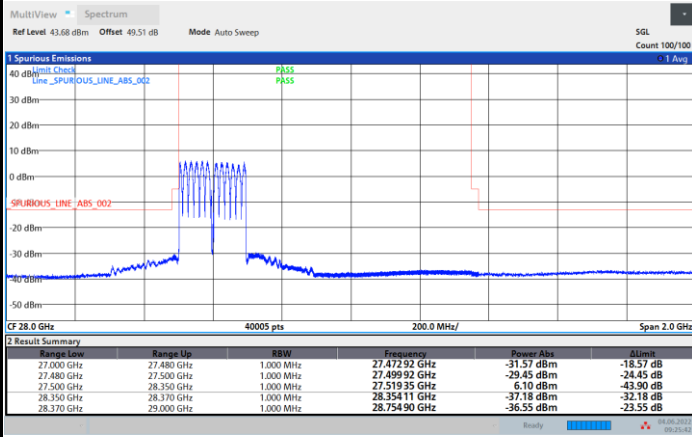


DFT-s-OFDM Module 0

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

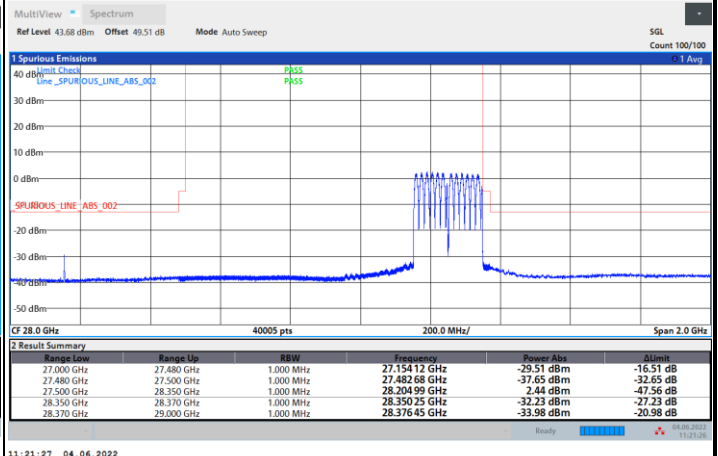
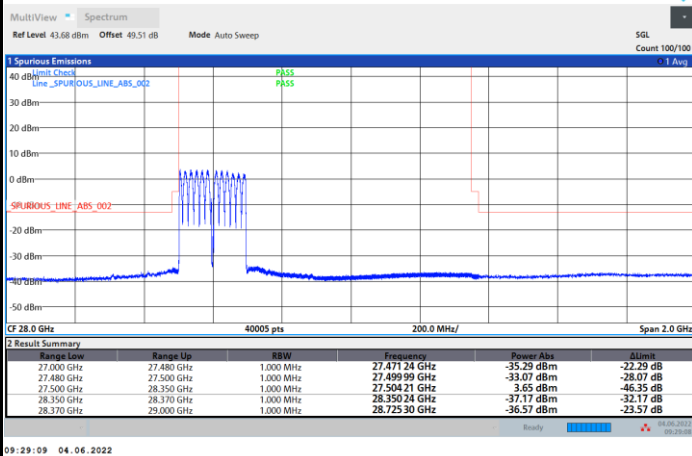
Highest Band Edge / Full RB



NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

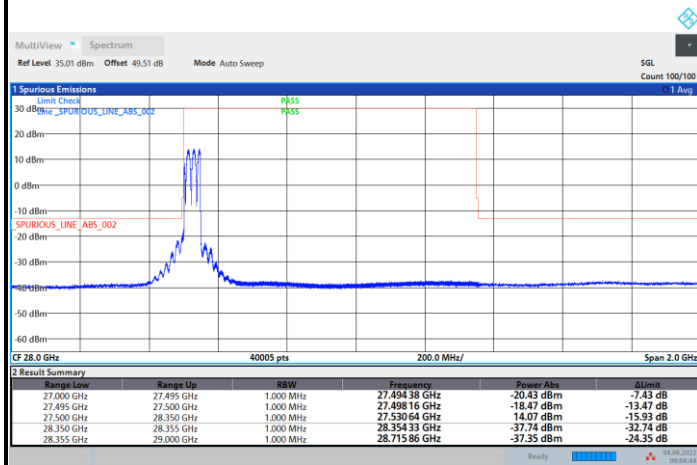




CP-OFDM Module 0

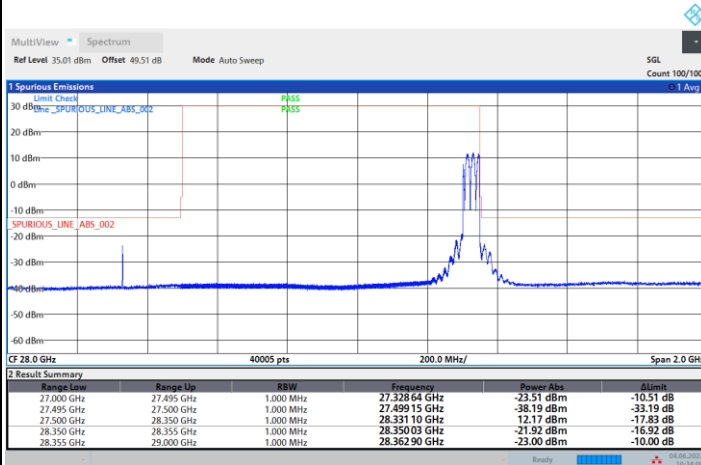
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



09:04:44 04.06.2022

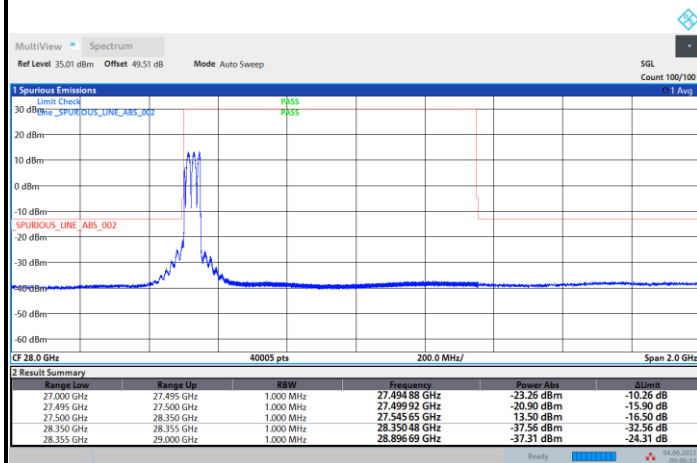
Highest Band Edge / Full RB



10:34:10 04.06.2022

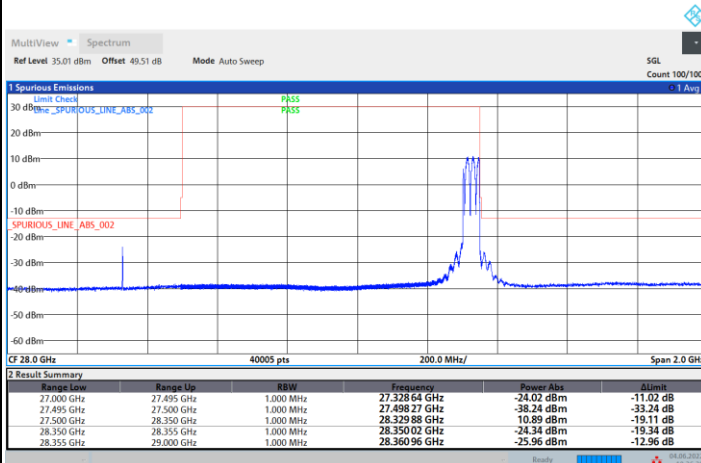
NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB



09:06:33 04.06.2022

Highest Band Edge / Full RB



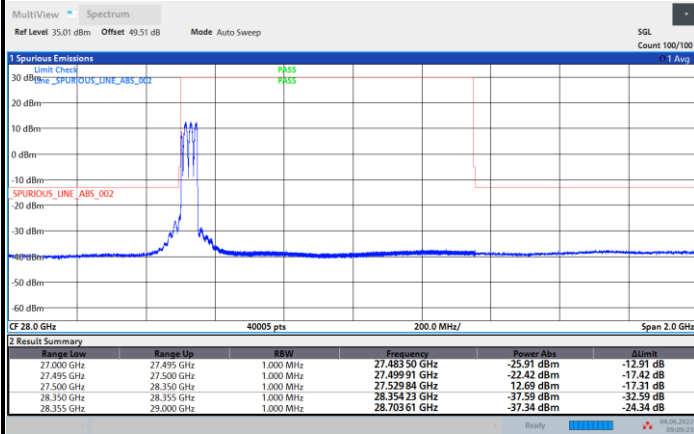
10:36:38 04.06.2022



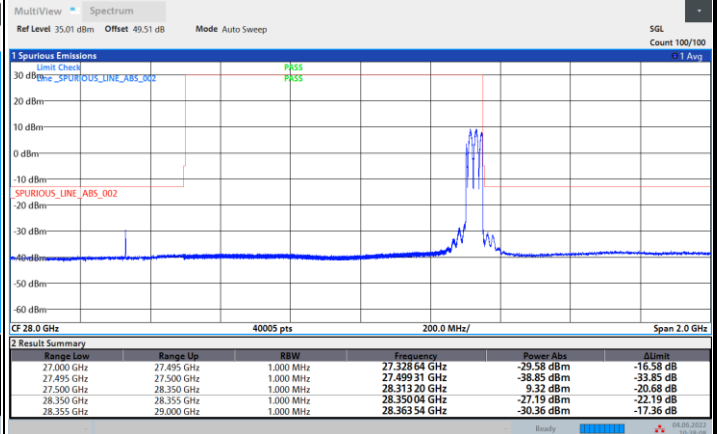
CP-OFDM Module 0

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB

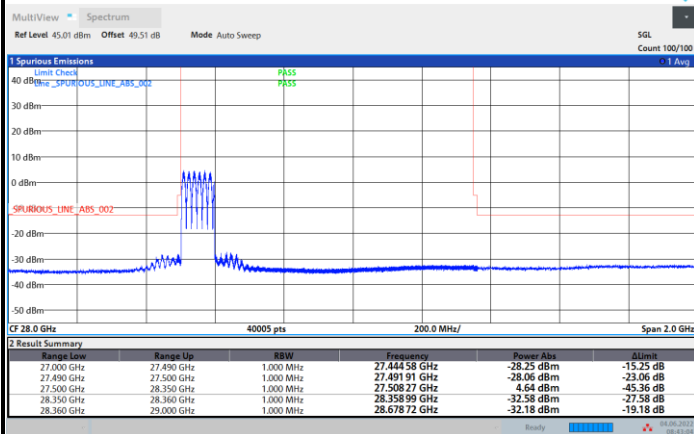


Highest Band Edge / Full RB

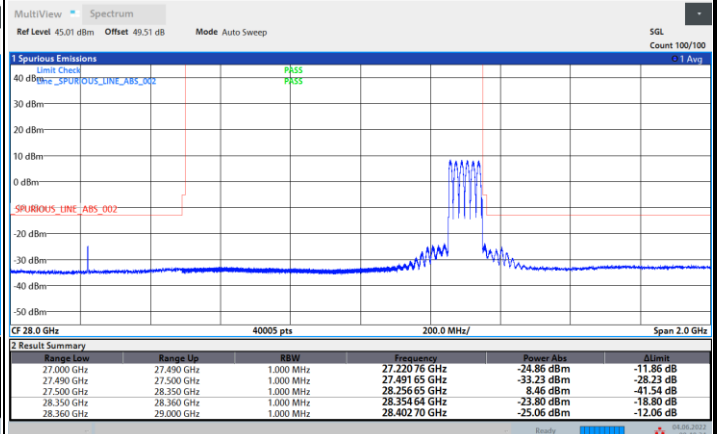


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

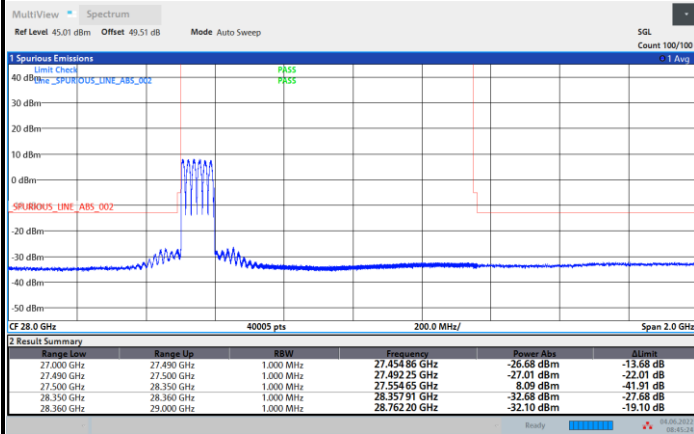




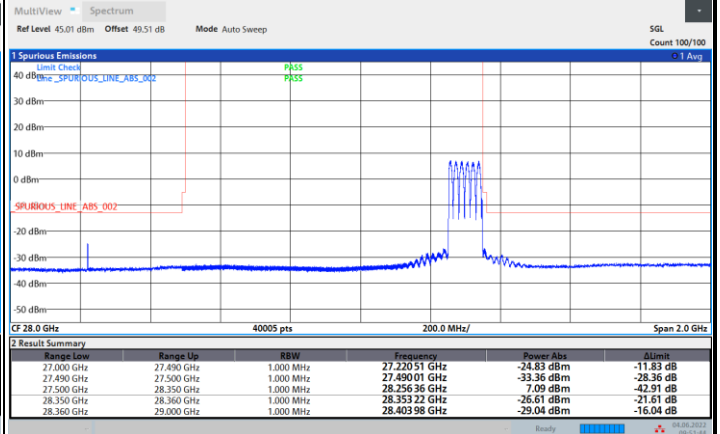
CP-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

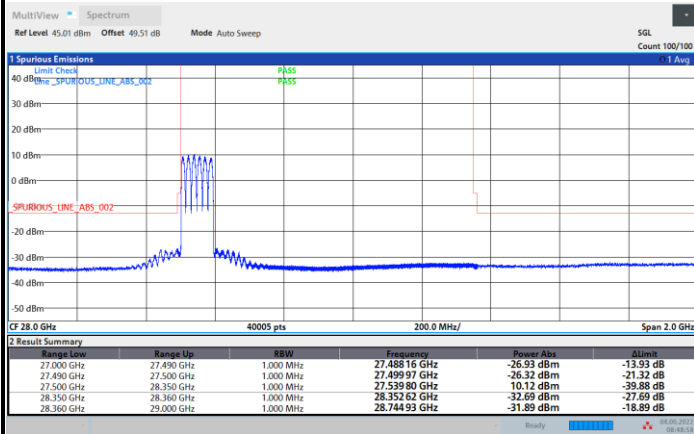


Highest Band Edge / Full RB

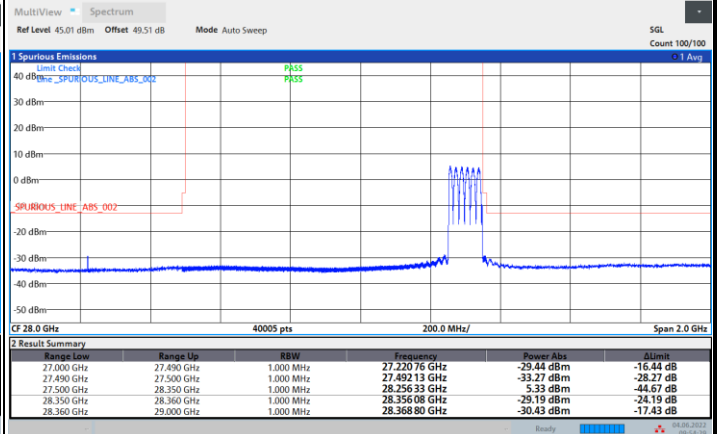


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

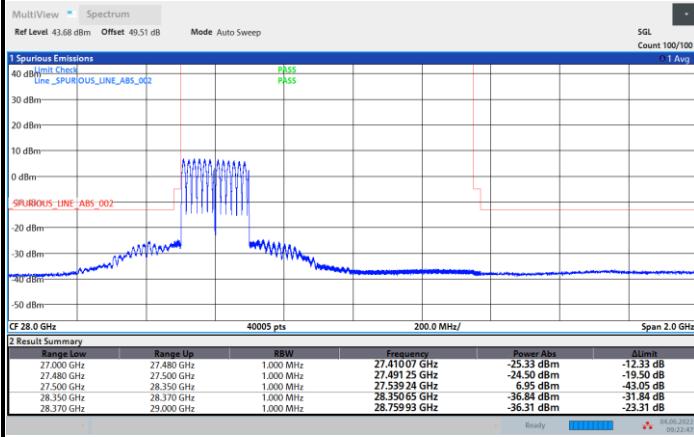




CP-OFDM Module 0

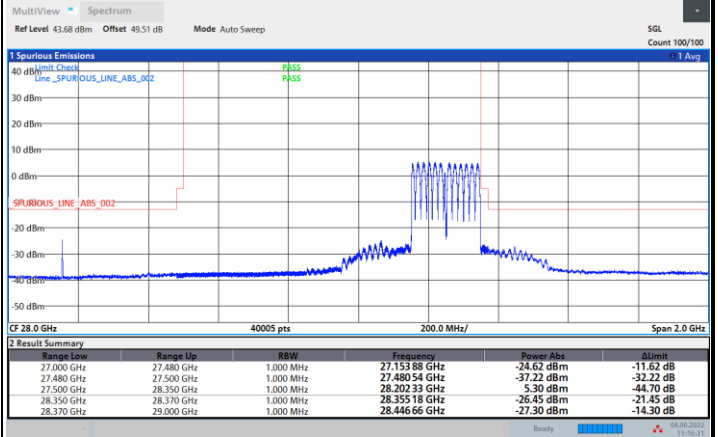
NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB



09:22:47 04.06.2022

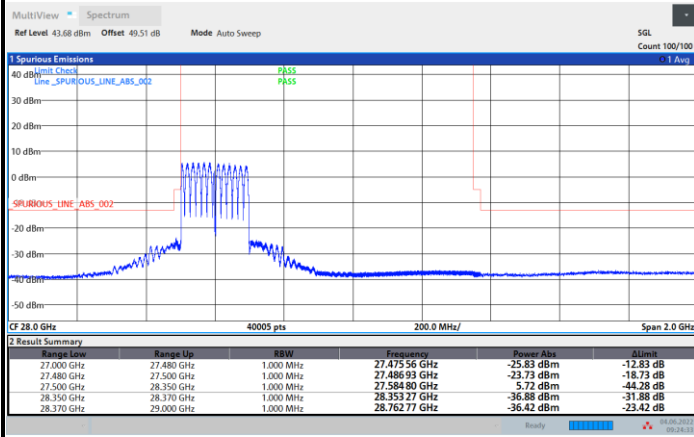
Highest Band Edge / Full RB



11:16:22 04.06.2022

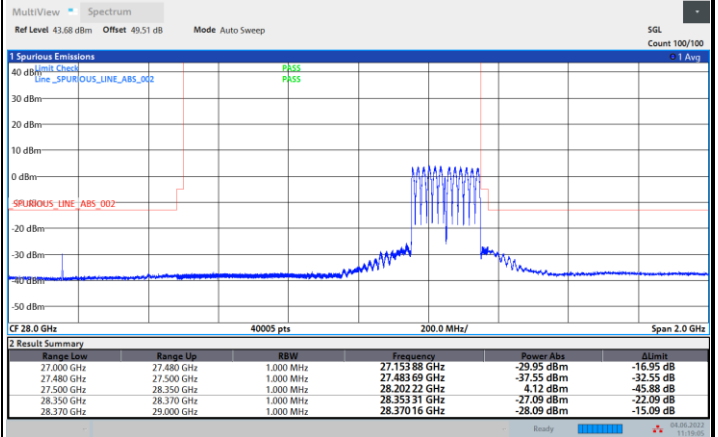
NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB



09:24:33 04.06.2022

Highest Band Edge / Full RB



11:19:05 04.06.2022

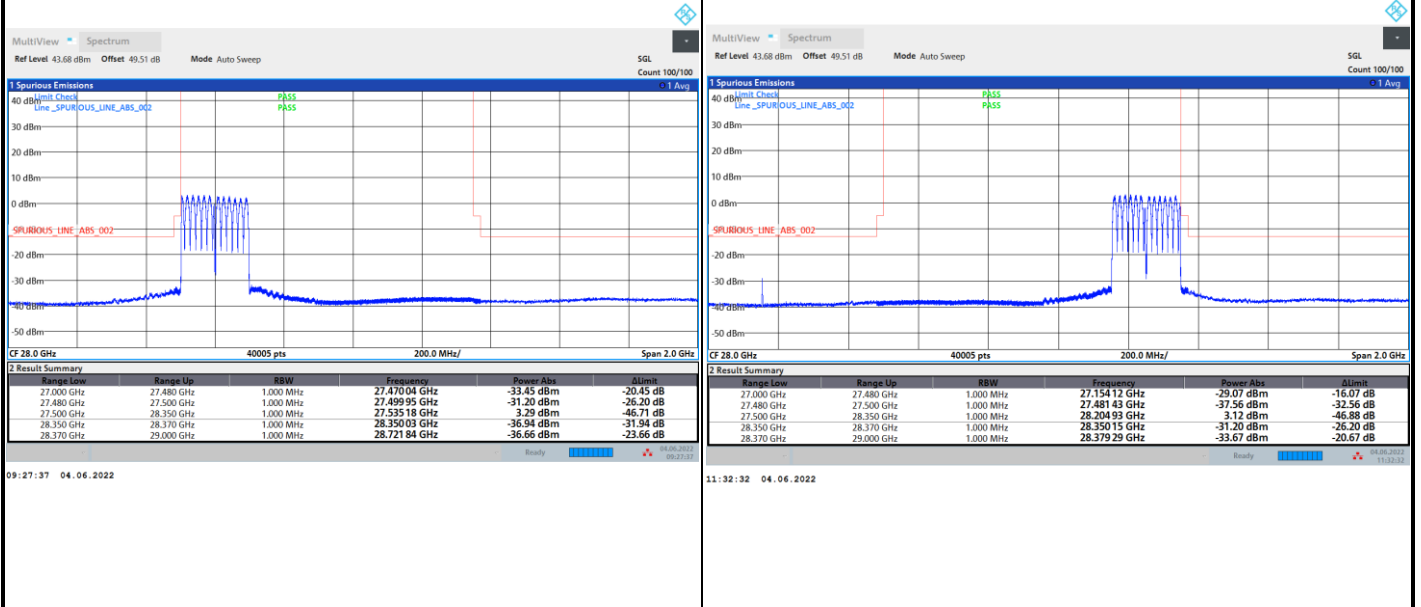


CP-OFDM Module 0

NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





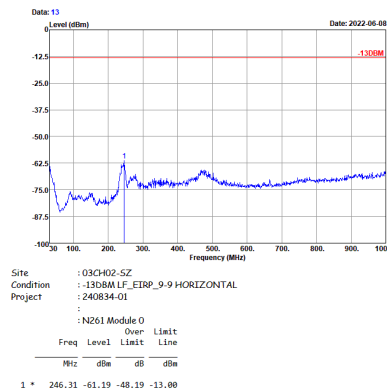
Spurious Emission

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

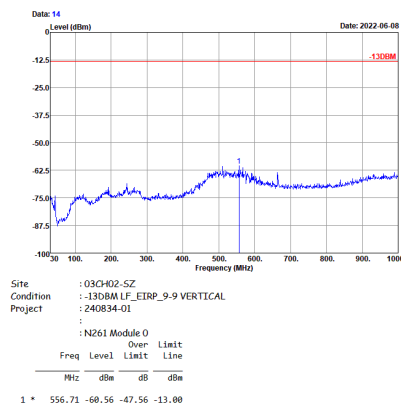
Only the noise floor is reported.

NR Band n261 (30MHz-1GHz)

Horizontal



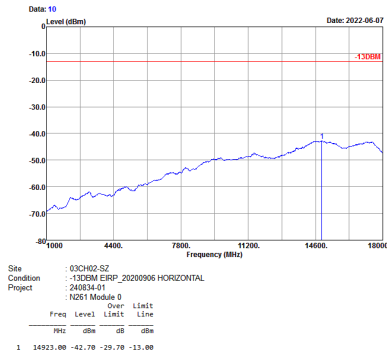
Vertical



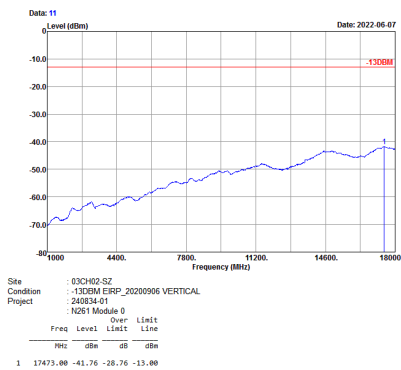


NR Band n261 (1GHz-18GHz)

Horizontal



Vertical

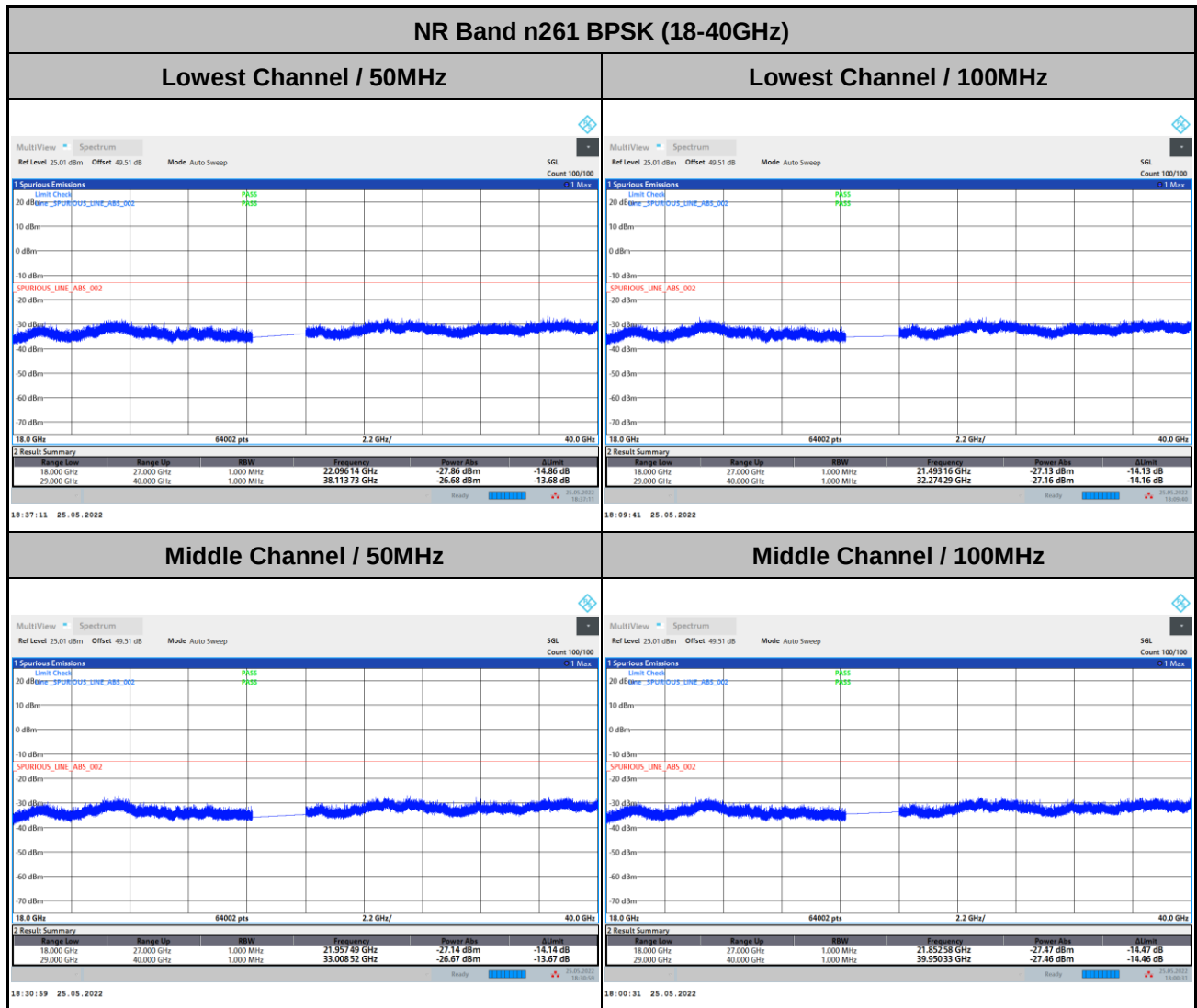


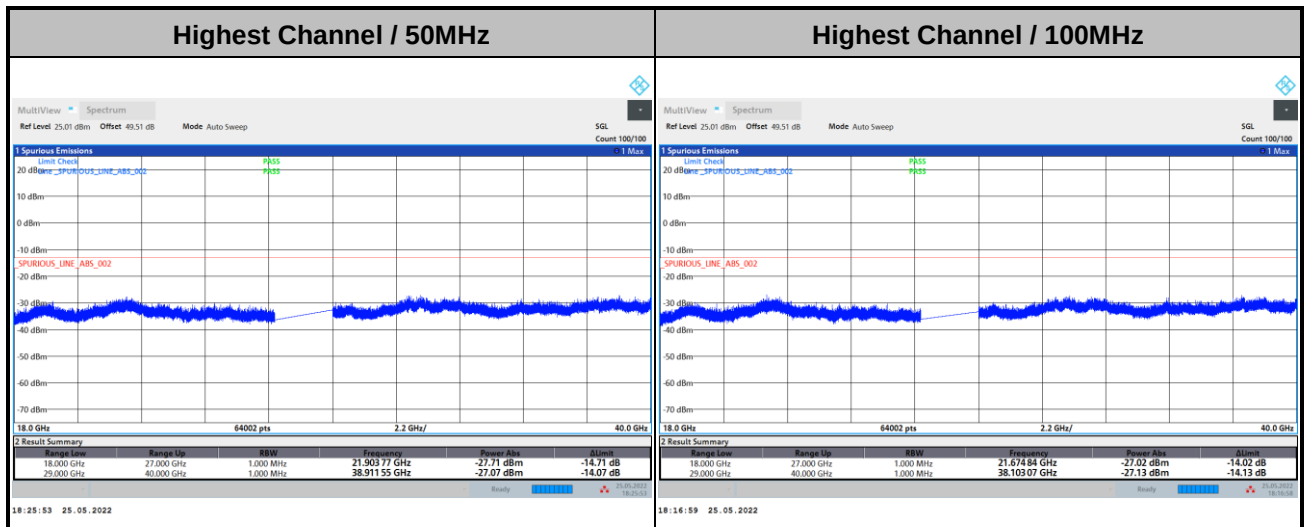


Spurious emission between 18GHz to 40GHz worst case plot is reported as following. The other frequency ranges are tested in AG 0+1 in accordance with the higher EIRP Power.

Below plots, the spurious emissions were measured from 18GHz to 27GHz and 29GHz to 40GHz. The test results within the omitted frequency 27GHz to 29GHz were measured and reported in the section of Radiated Out of Band Emission with frequency range, 27GHz to 29GHz, and all spurious comply with limits.

DFT-s-OFDM Module 0

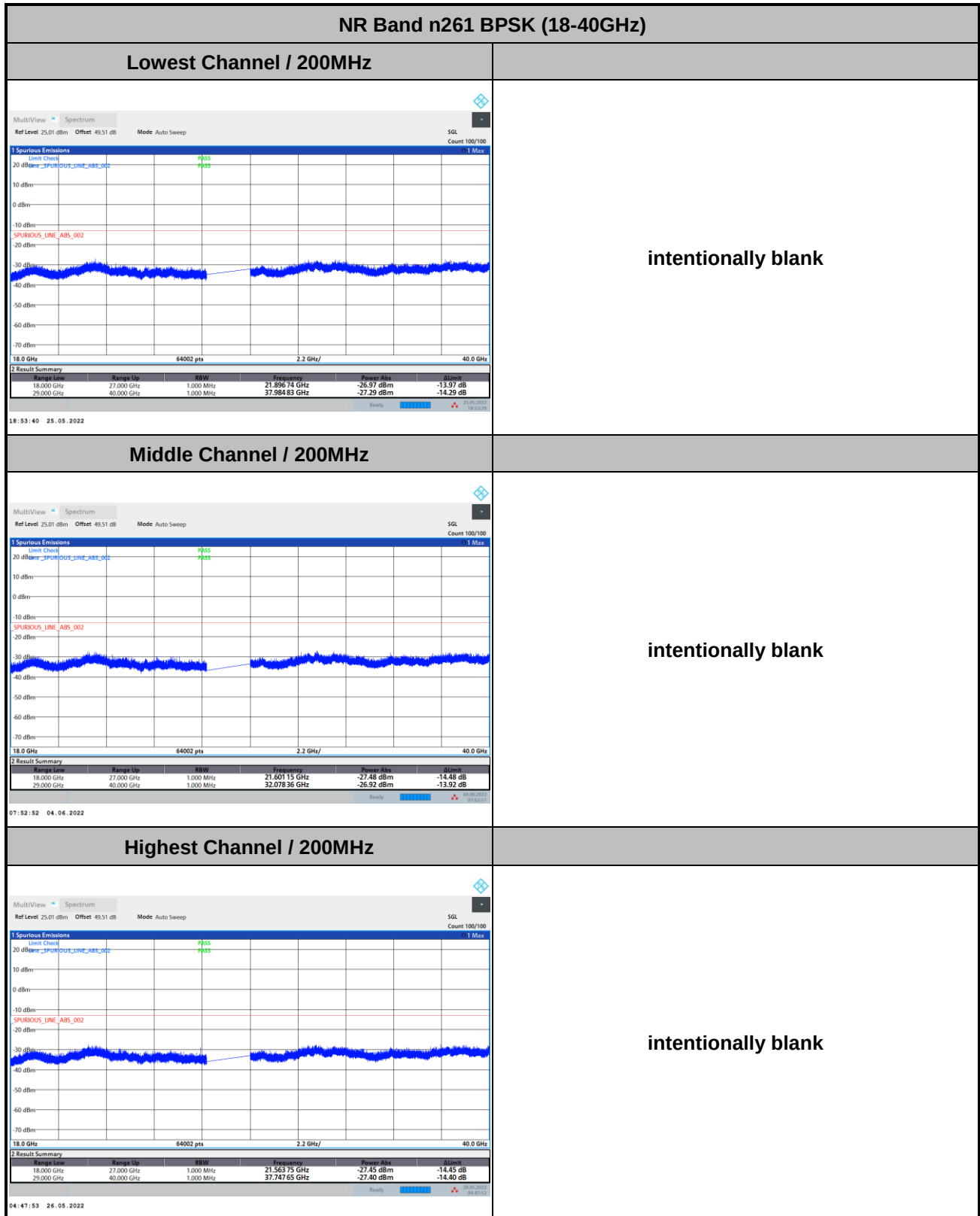




Remark: In band and out of band frequencies are omitted.



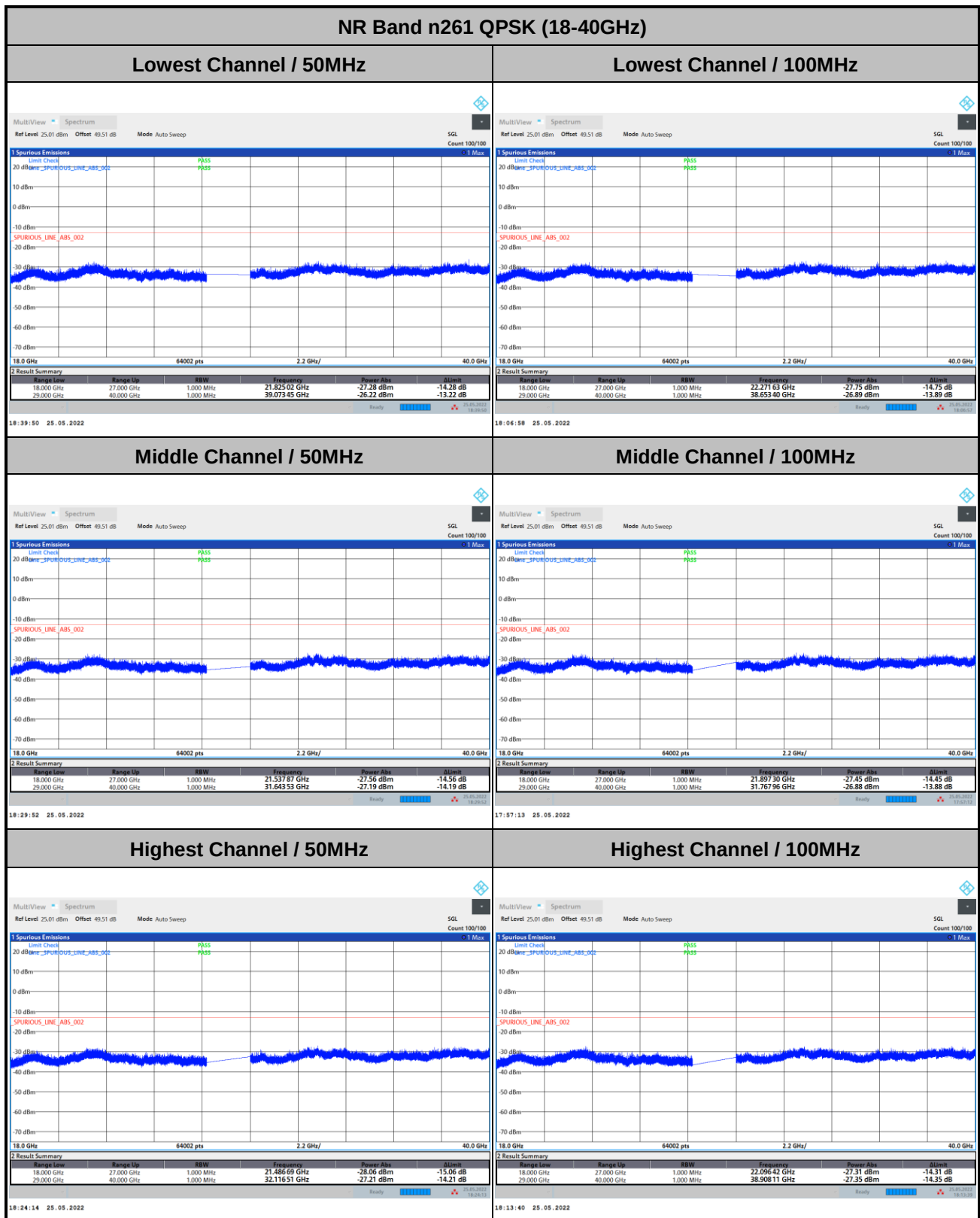
DFT-s-OFDM Module 0



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



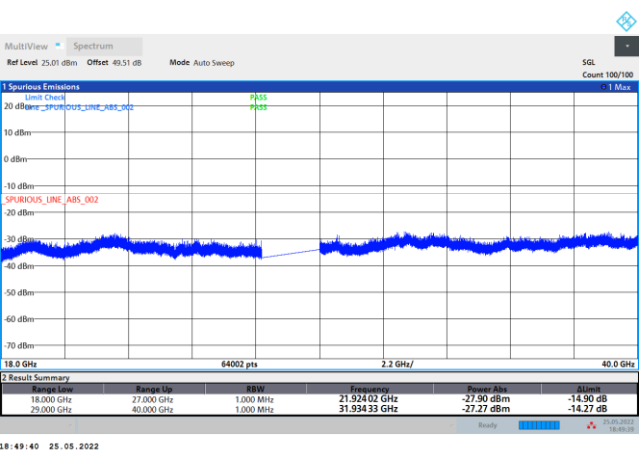
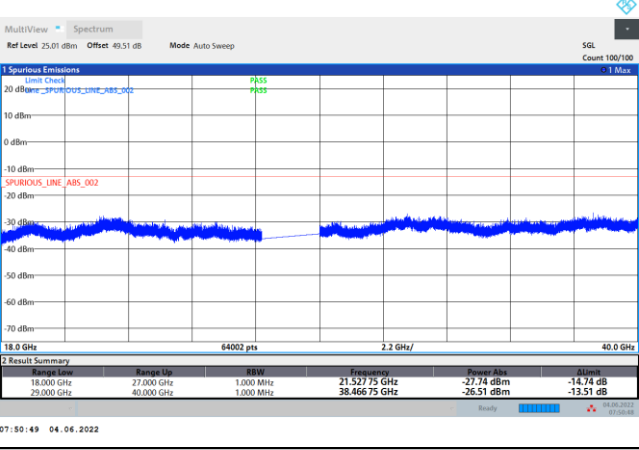
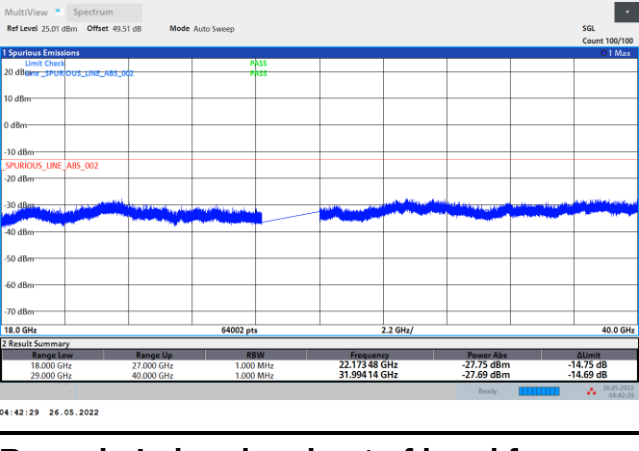
DFT-s-OFDM Module 0



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



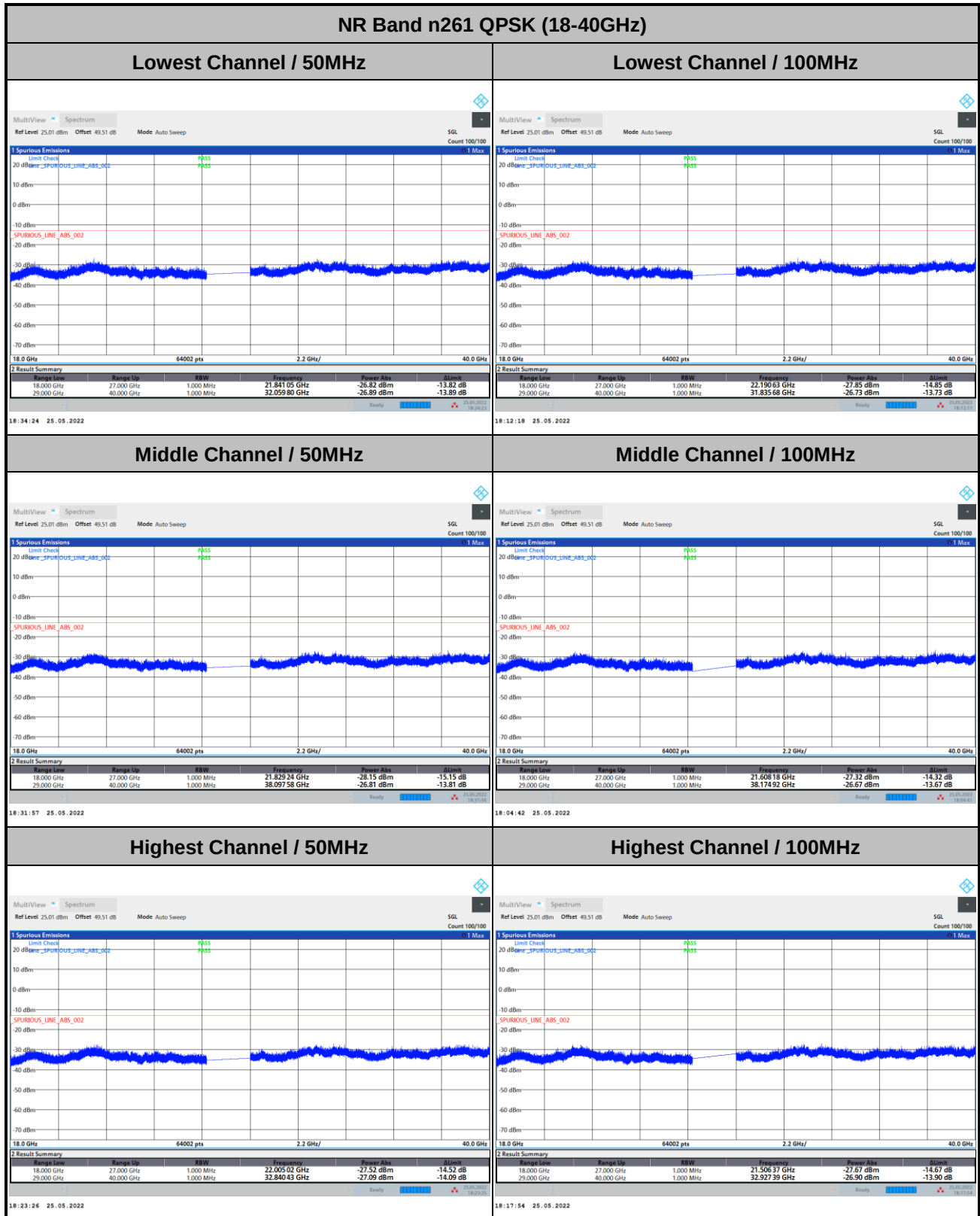
DFT-s-OFDM Module 0

NR Band n261 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.



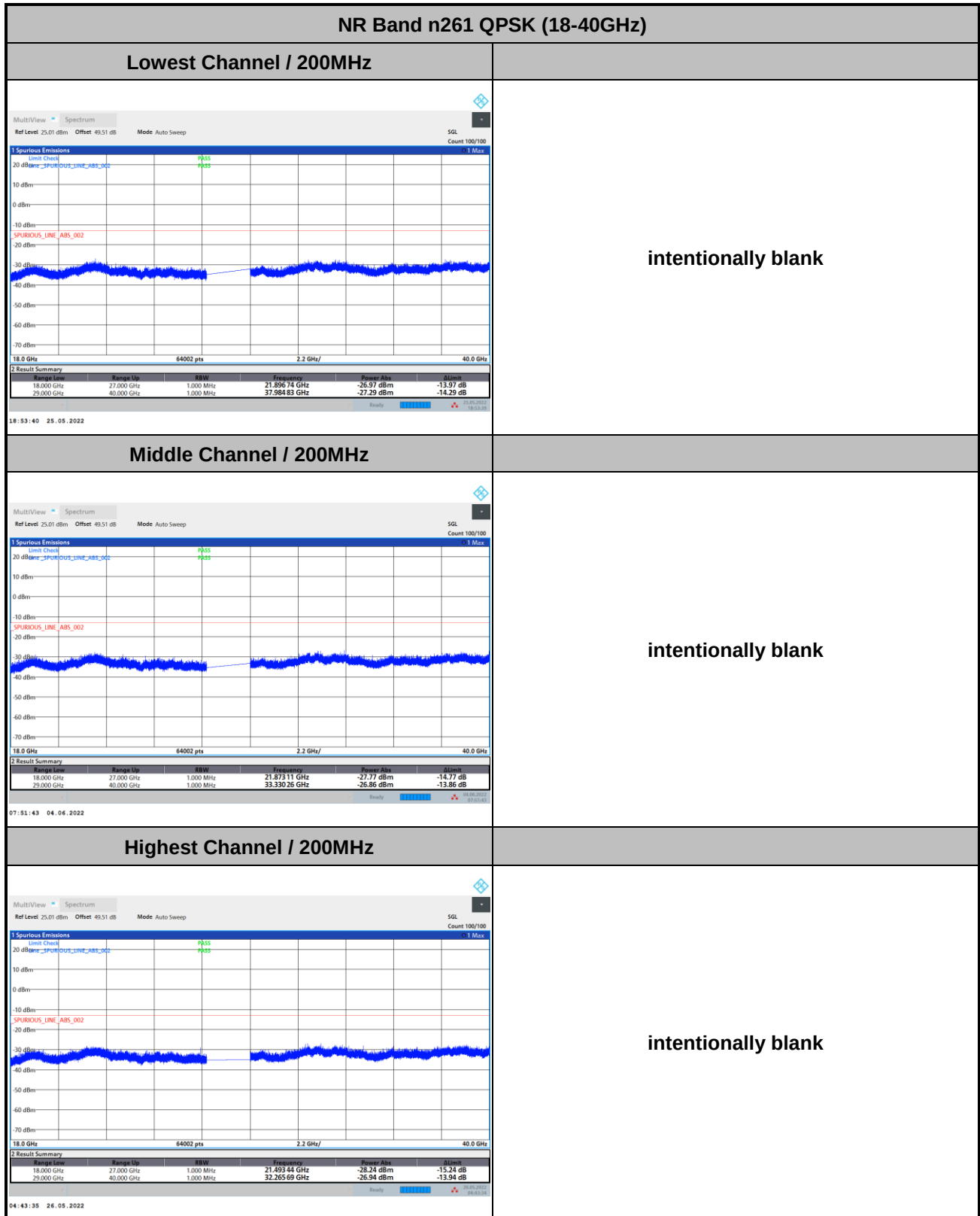
CP-OFDM Module 0



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

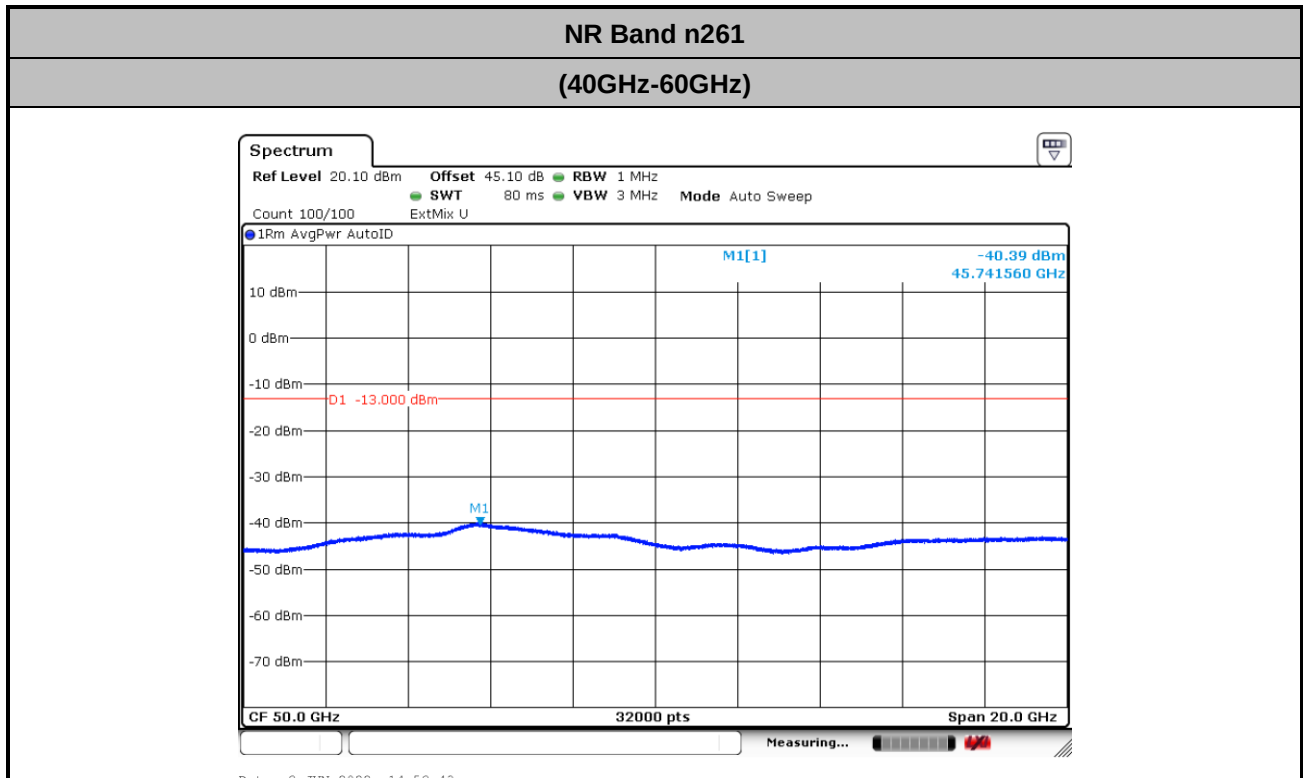


CP-OFDM Module 0

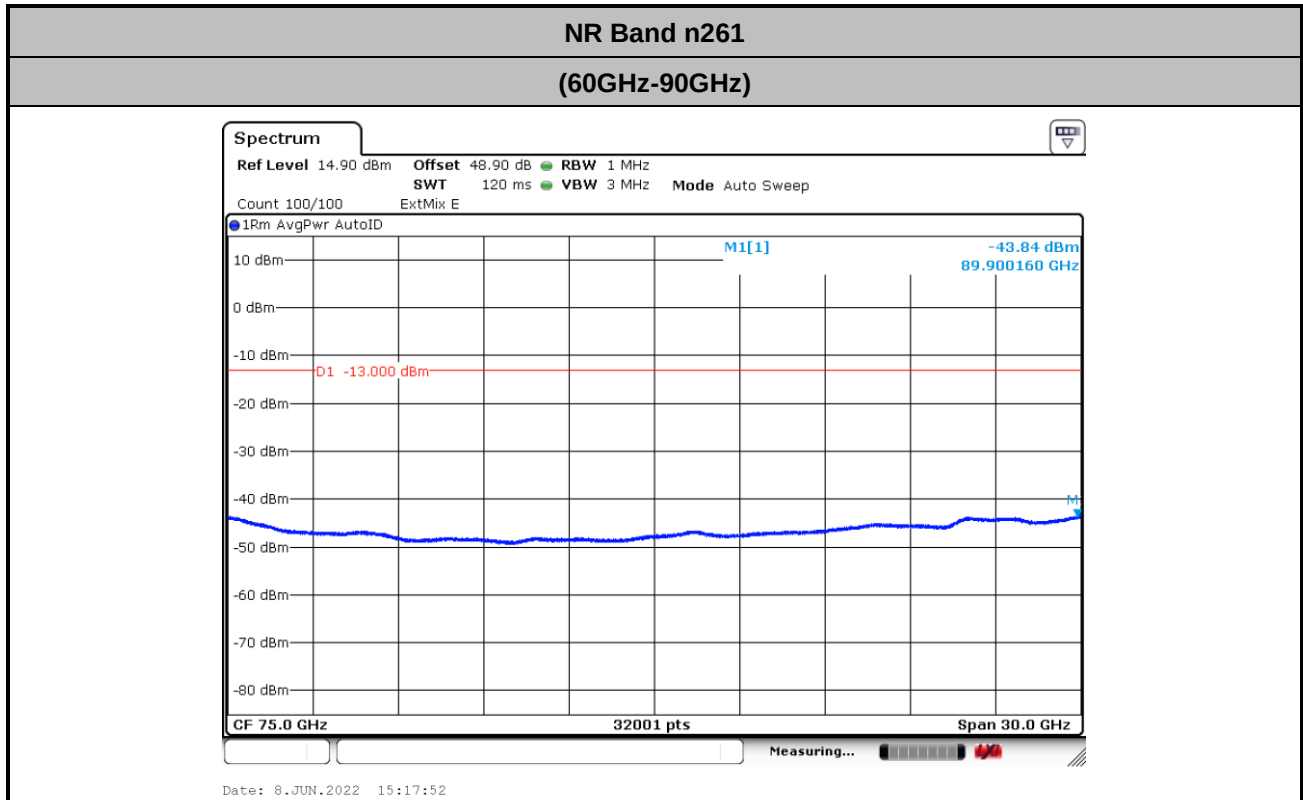


Remark: In band and out of band frequencies are omitted.

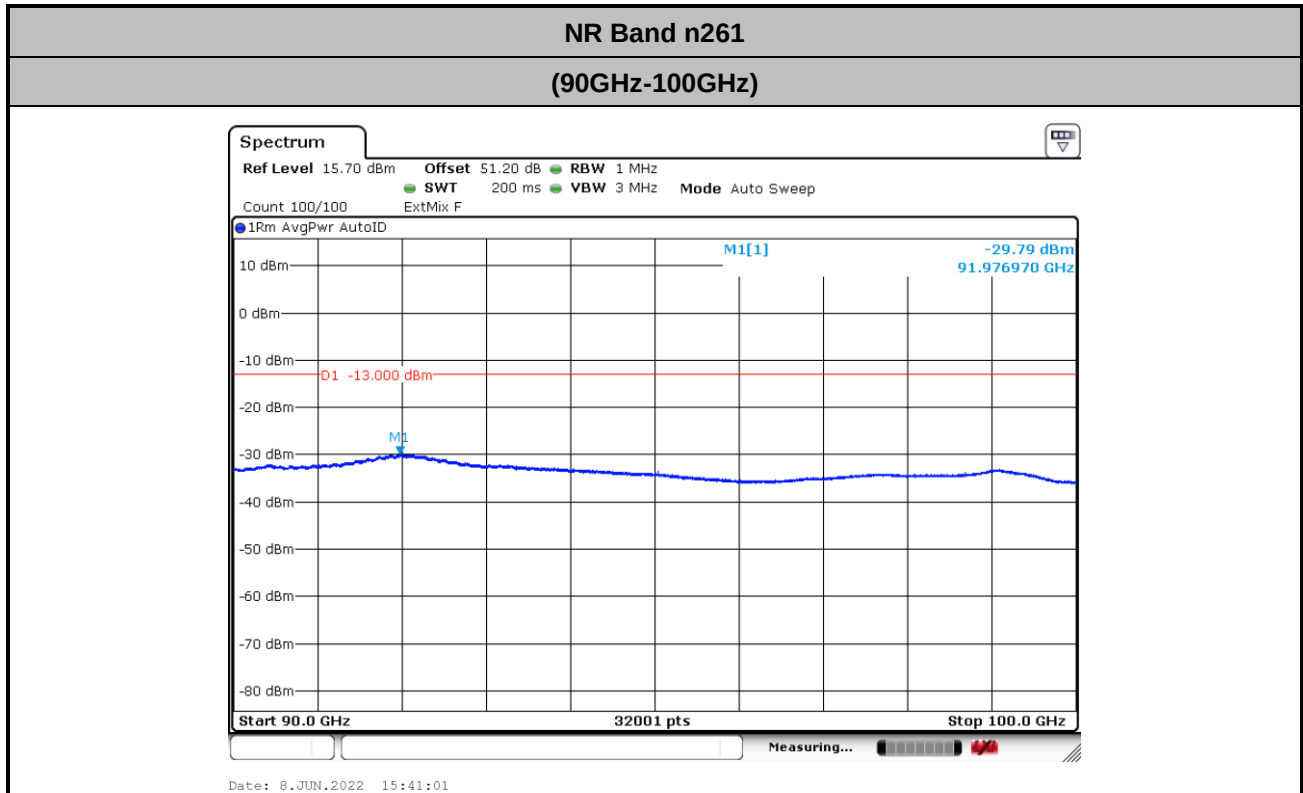
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.5 + 0.4 + 107 + 20\log(1) - 104.8 = 45.1 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 46.3 + 0.4 + 107 + 20\log(1) - 104.8 = 48.9 \text{ (dB)} \end{aligned}$$



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 48.6 + 0.4 + 107 + 20\log(1) - 104.8 = 51.2 \text{ (dB)}\end{aligned}$$

**Frequency Stability**

Test Conditions		NR Band n261 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	27.92494211	57.887	2.073	PASS
40	Normal Voltage	27.92494645	53.546	1.917	
30	Normal Voltage	27.92496816	31.838	1.140	
20(Ref.)	Normal Voltage	27.925	0.000	0.000	
10	Normal Voltage	27.92509913	-99.132	3.550	
0	Normal Voltage	27.9251534	-153.401	5.493	
-10	Normal Voltage	27.92517728	-177.279	6.348	
-20	Normal Voltage	27.92519609	-196.093	7.022	
-30	Normal Voltage	27.92521129	-211.288	7.566	
20	Maximum Voltage	27.92497467	25.326	0.907	
20	Normal Voltage	27.925	0.000	0.000	
20	Battery End Point	27.92500651	-6.512	0.233	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n261 Module 1

AG0

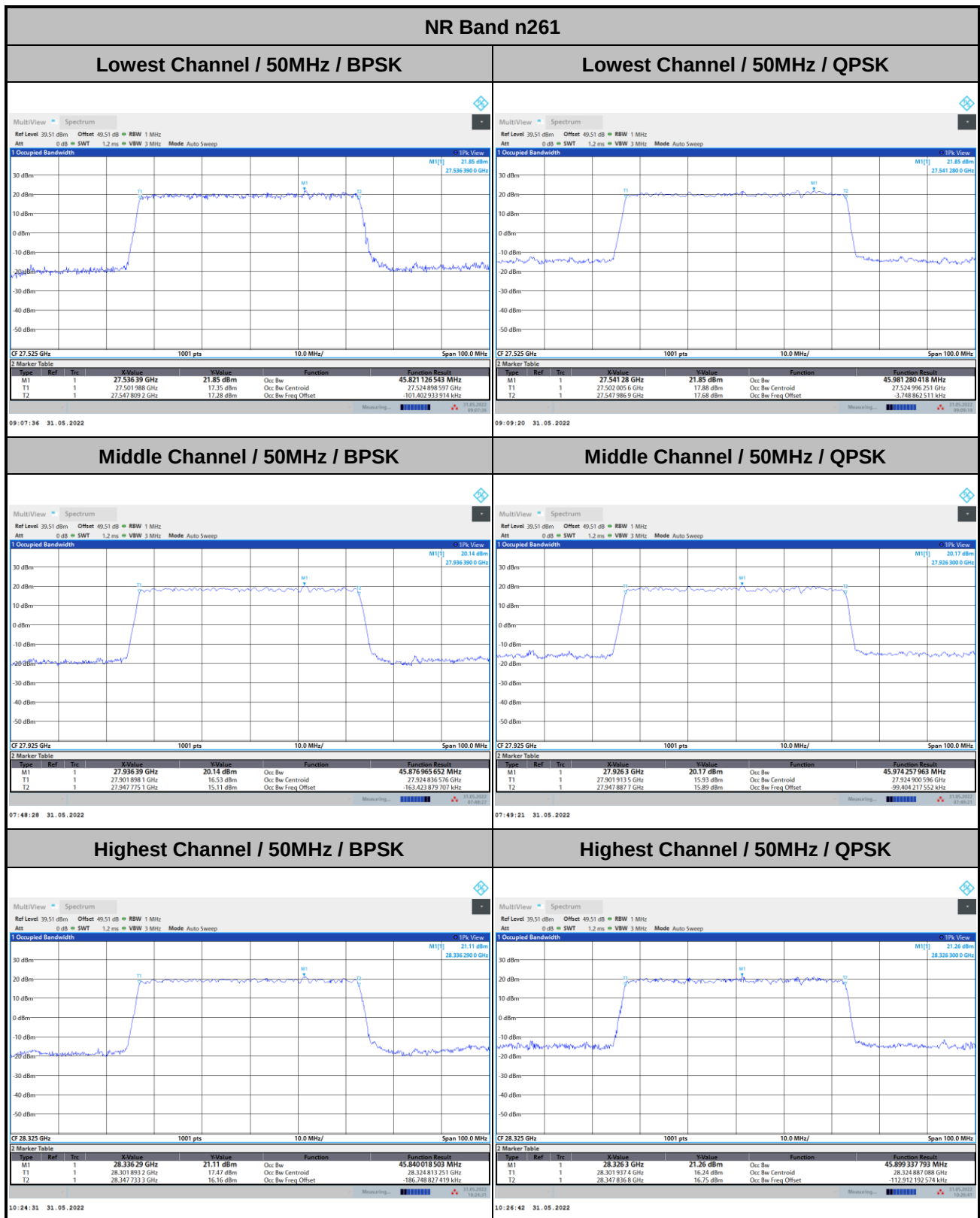
Occupied Bandwidth

Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.82	45.98	45.81	45.96	91.16	91.48	91.62	91.59	190.27	190.44	190.76	190.83
Middle CH	45.87	45.97	46.09	45.99	91.28	91.48	91.37	91.68	190.17	190.47	190.02	190.02
Highest CH	45.84	45.89	45.75	45.99	91.27	91.55	91.70	91.70	190.38	190.49	190.95	190.90

Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.87	46.09	45.94	94.23	94.11	94.32	193.47	193.42	193.35
Middle CH	45.96	46.14	45.98	94.25	94.17	94.37	193.40	193.35	193.35
Highest CH	45.92	46.14	45.99	94.34	94.24	94.45	193.68	193.72	193.54



DFT-s-OFDM Module 1

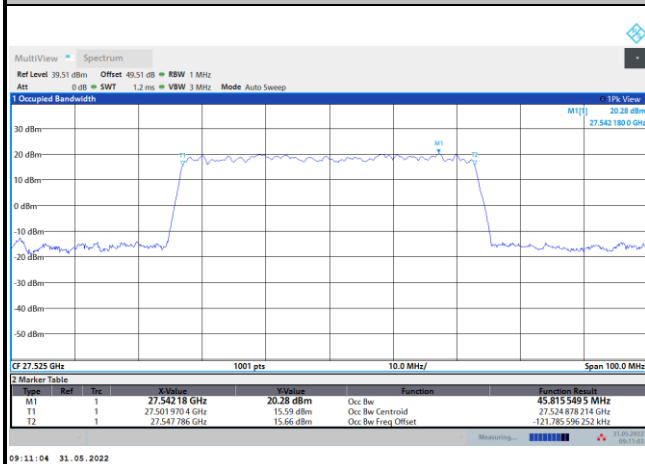




DFT-s-OFDM Module 1

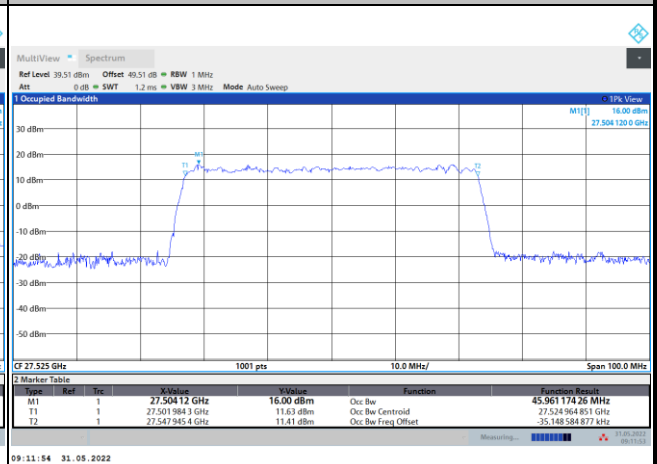
NR Band n261

Lowest Channel / 50MHz / 16QAM



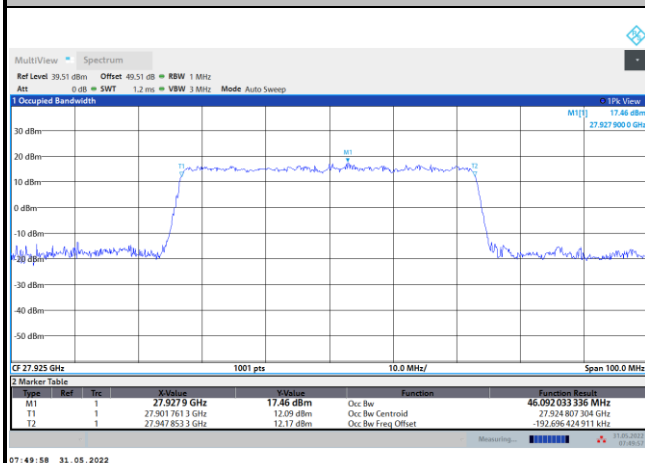
09:11:04 31.05.2022

Lowest Channel / 50MHz / 64QAM



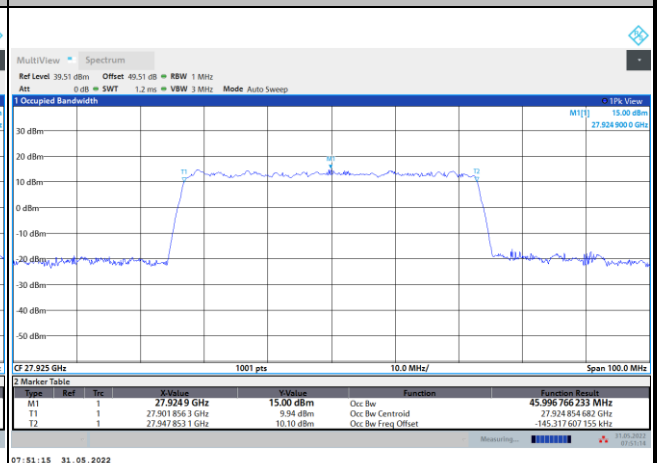
09:11:54 31.05.2022

Middle Channel / 50MHz / 16QAM



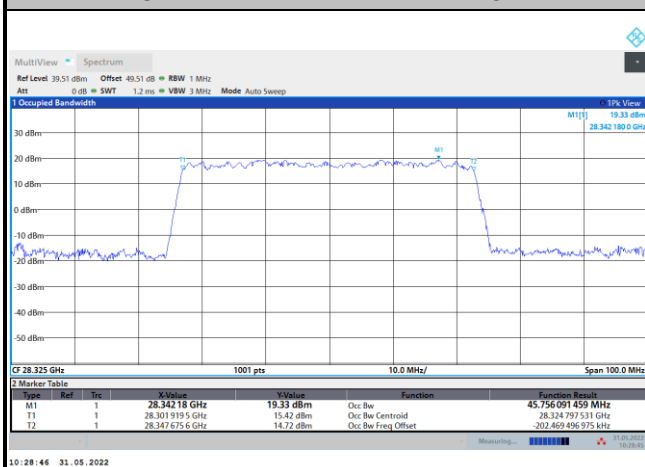
07:49:58 31.05.2022

Middle Channel / 50MHz / 64QAM



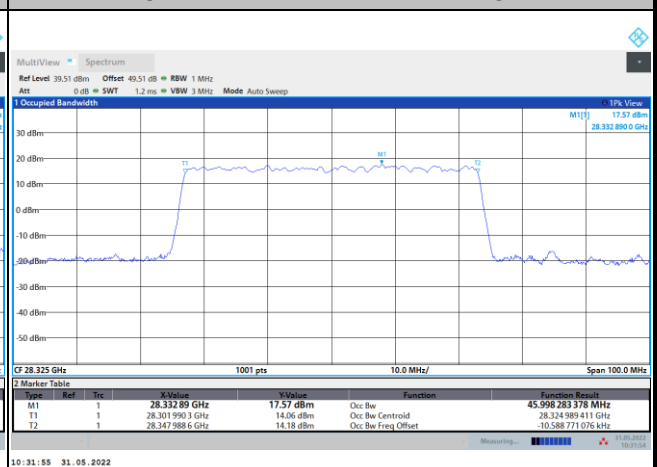
07:51:15 31.05.2022

Highest Channel / 50MHz / 16QAM



10:28:46 31.05.2022

Highest Channel / 50MHz / 64QAM



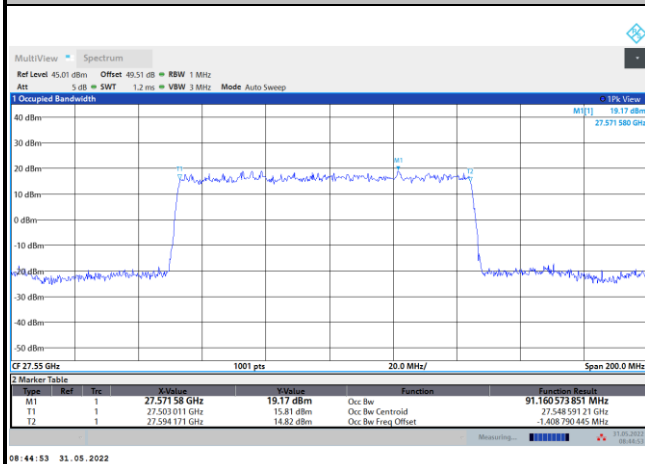
10:31:55 31.05.2022



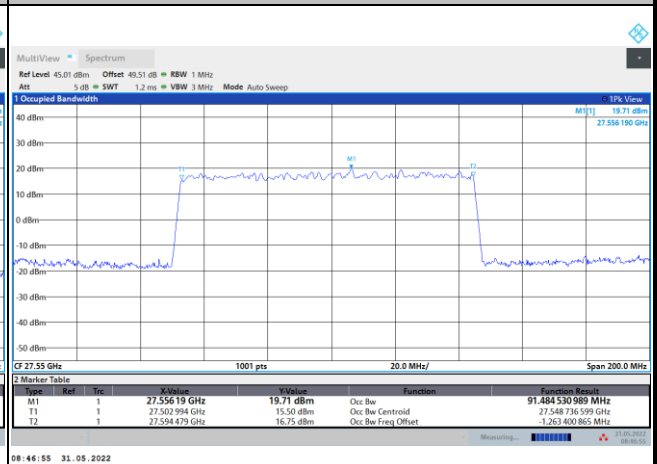
DFT-s-OFDM Module 1

NR Band n261

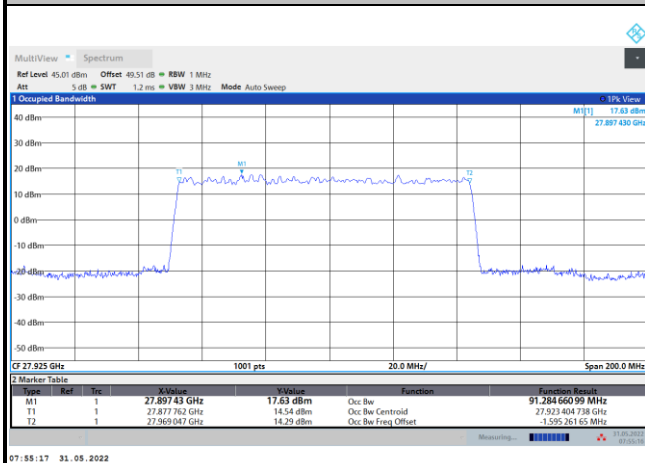
Lowest Channel / 100MHz / BPSK



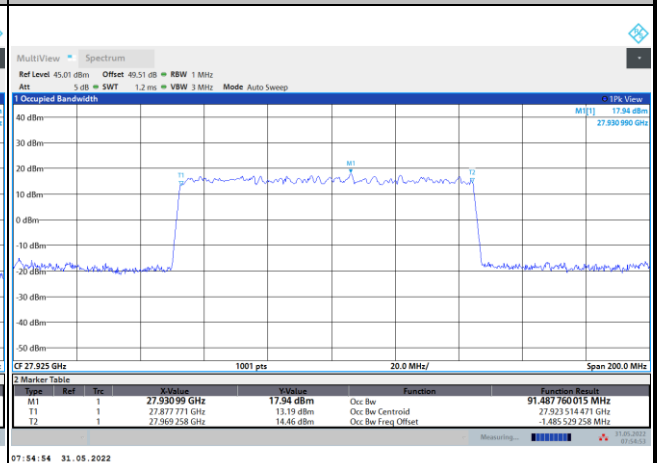
Lowest Channel / 100MHz / QPSK



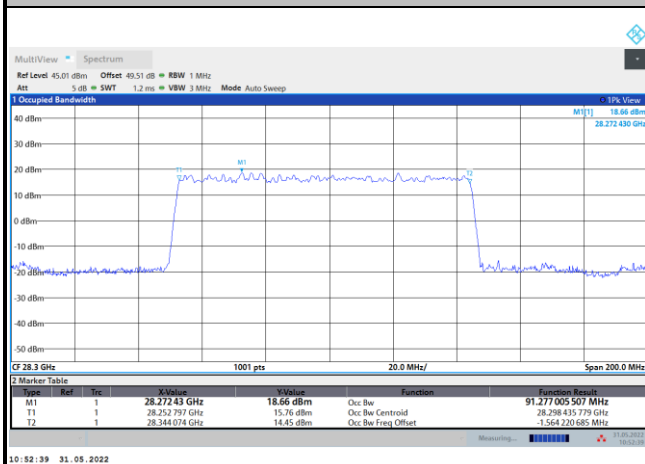
Middle Channel / 100MHz / BPSK



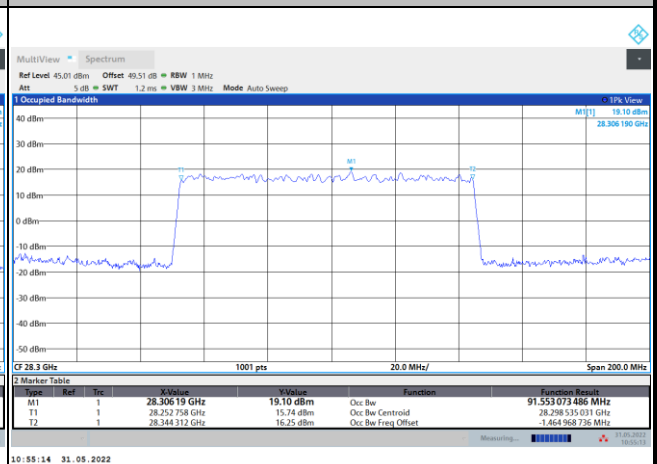
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK

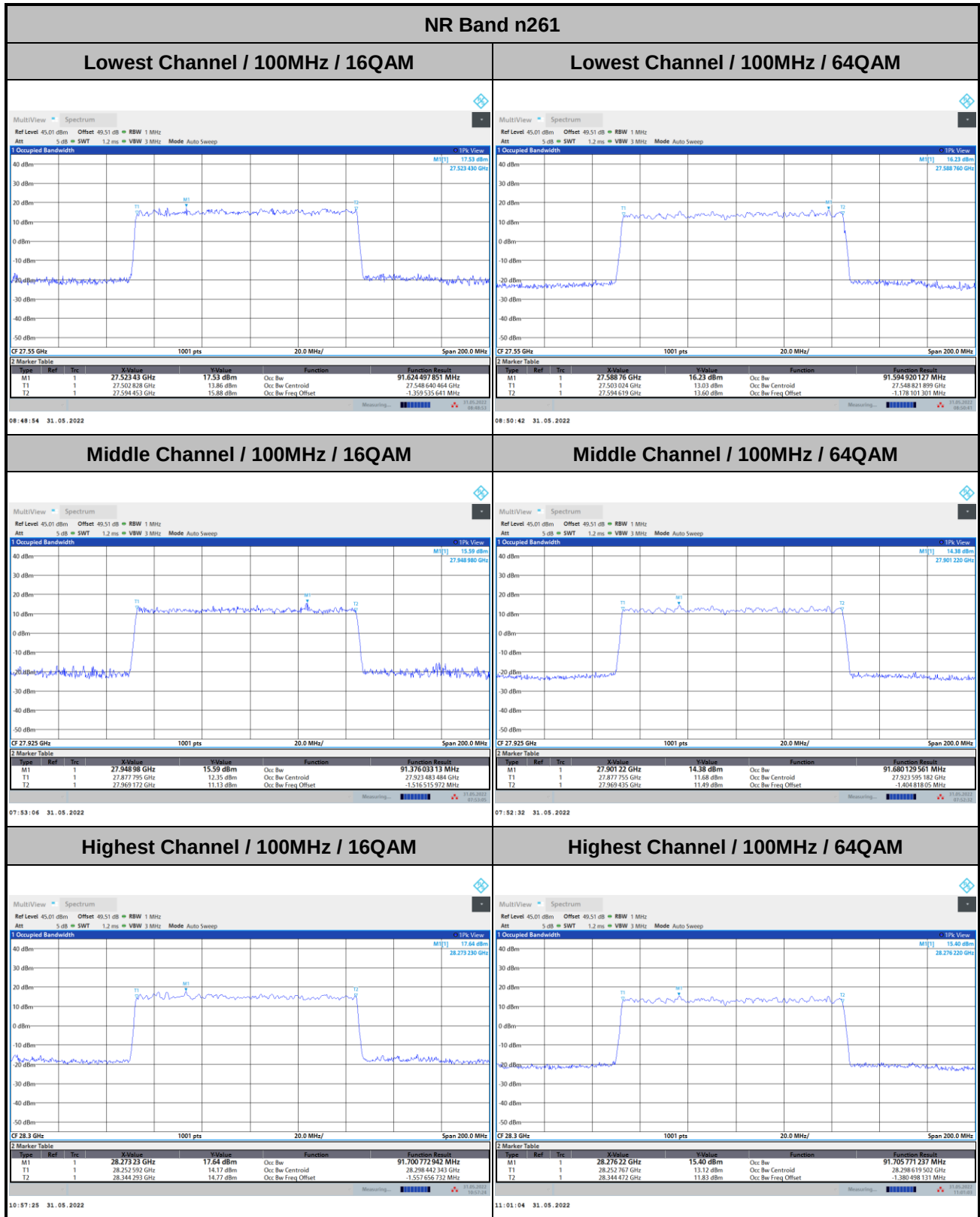


Highest Channel / 100MHz / QPSK



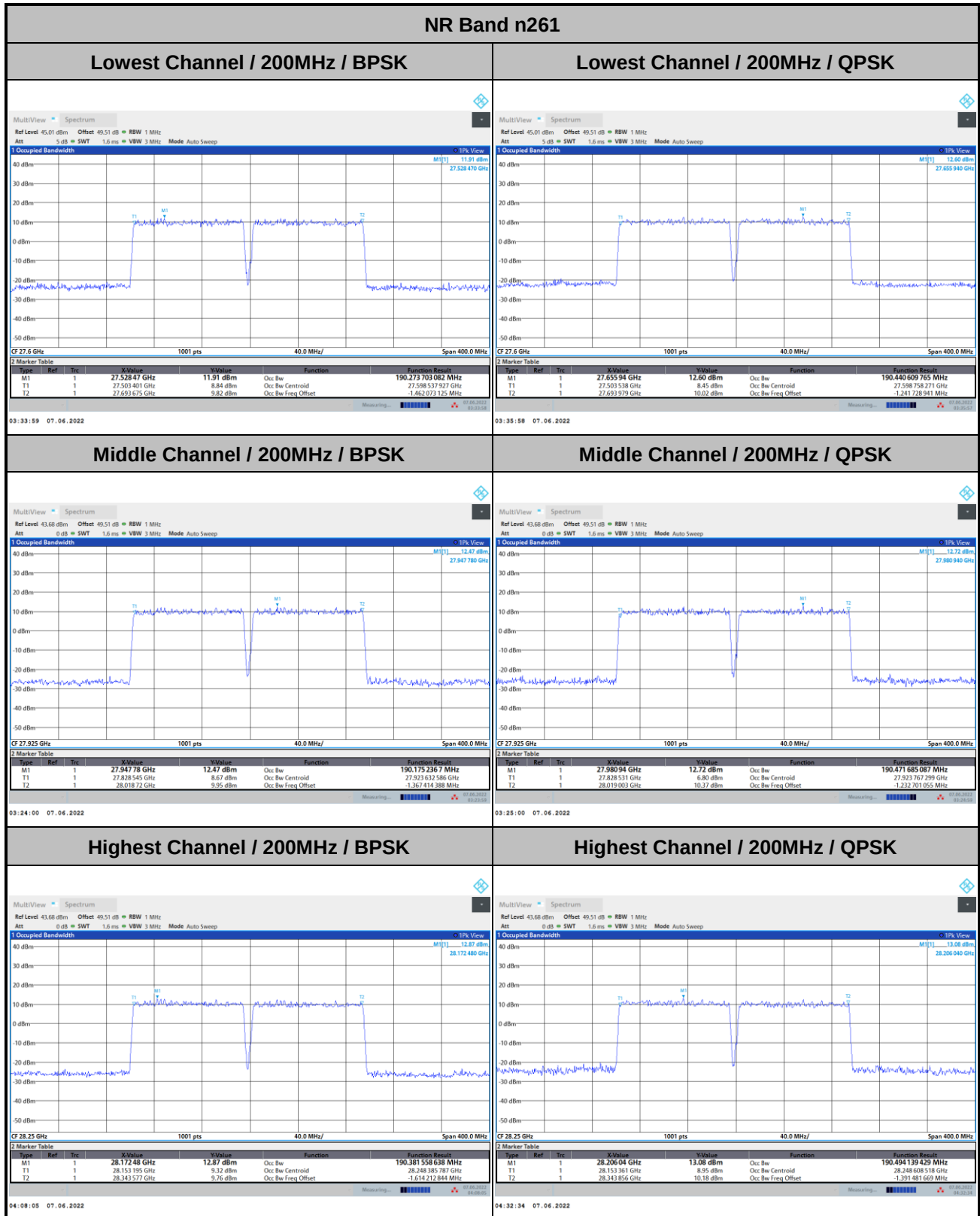


DFT-s-OFDM Module 1



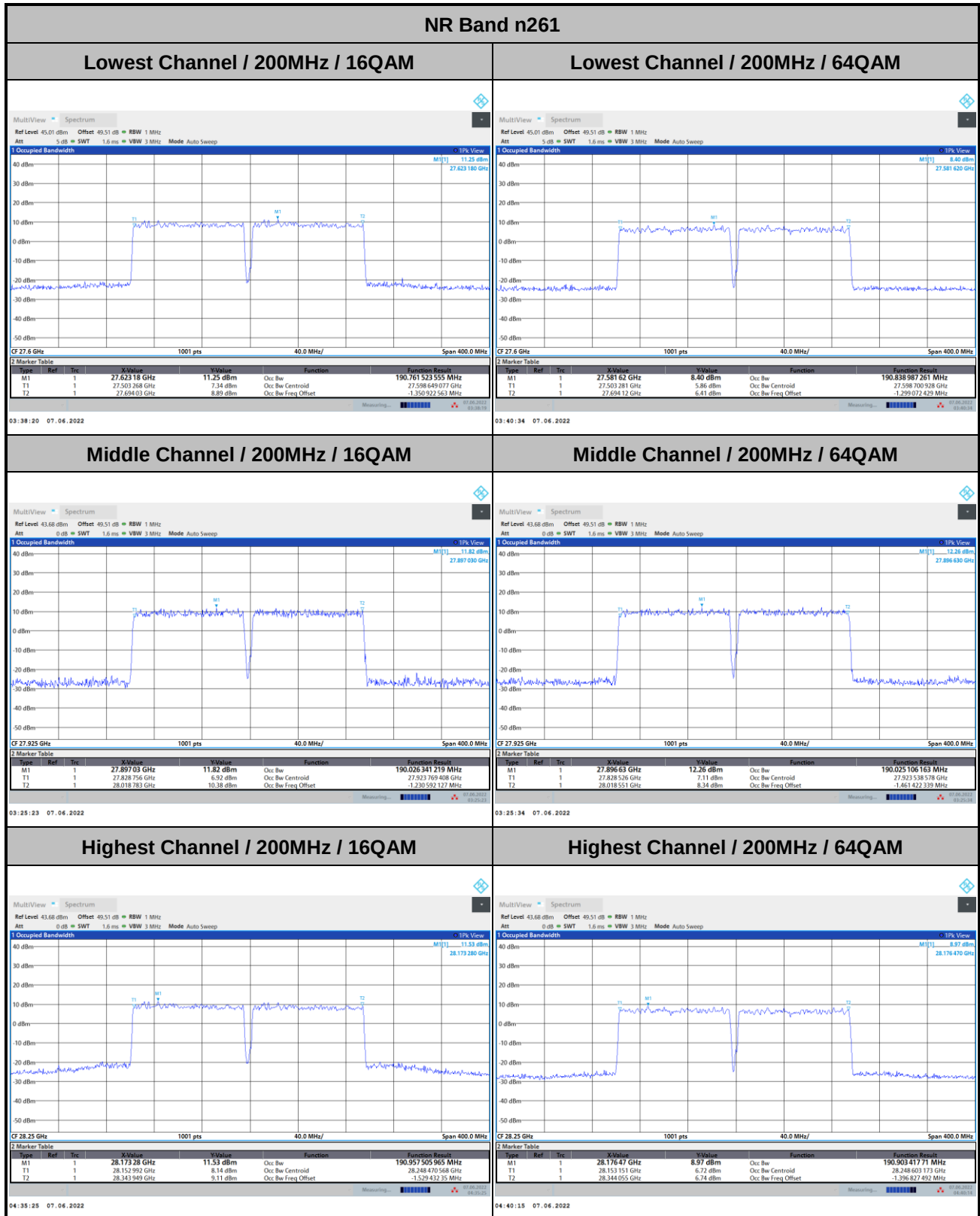


DFT-s-OFDM Module 1





DFT-s-OFDM Module 1

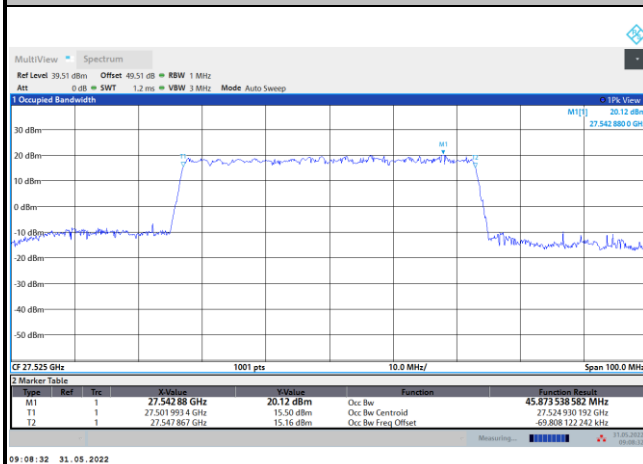




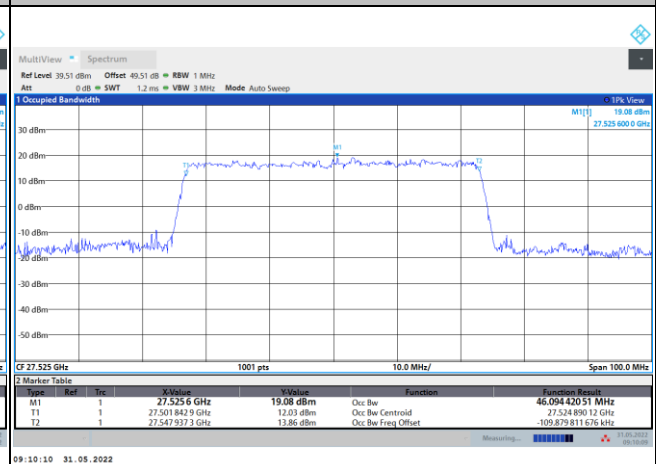
CP-OFDM Module 1

NR Band n261

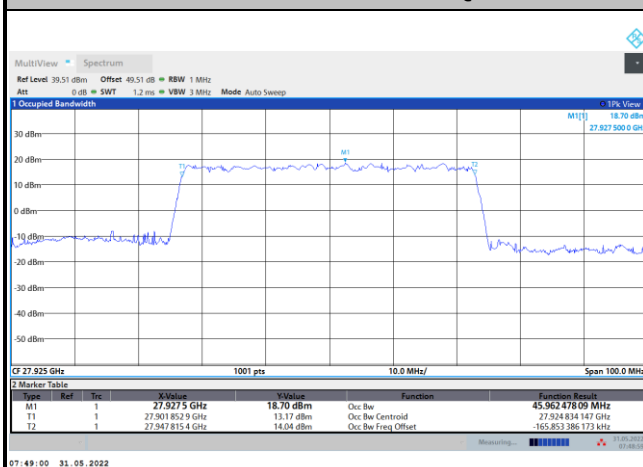
Lowest Channel / 50MHz / QPSK



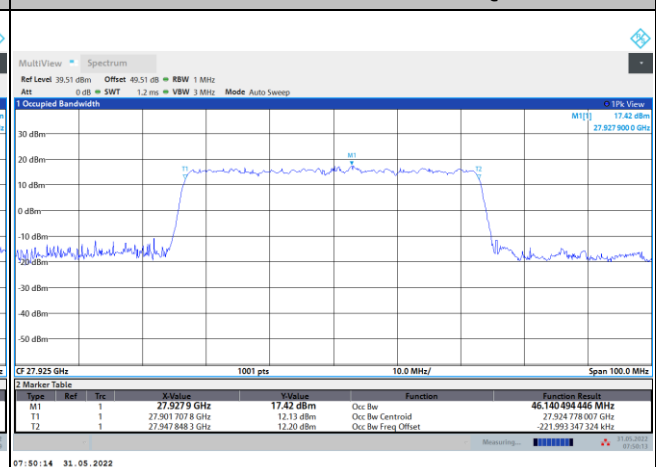
Lowest Channel / 50MHz / 16QAM



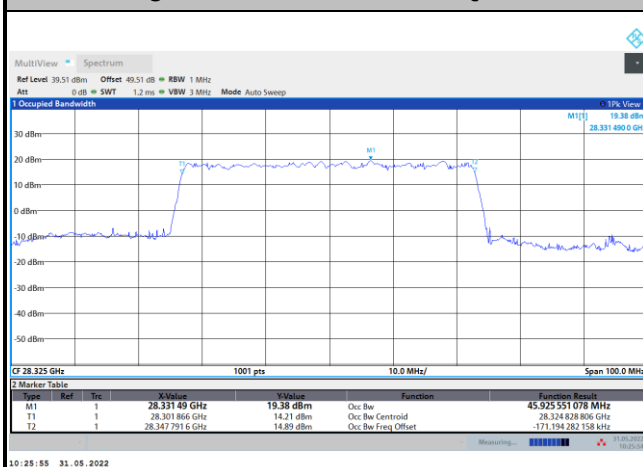
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

