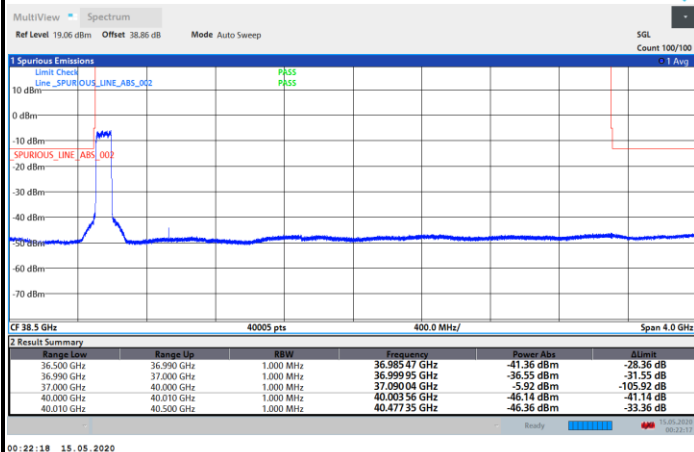




DFT-s-OFDM Module 1

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB



00:22:18 15.05.2020

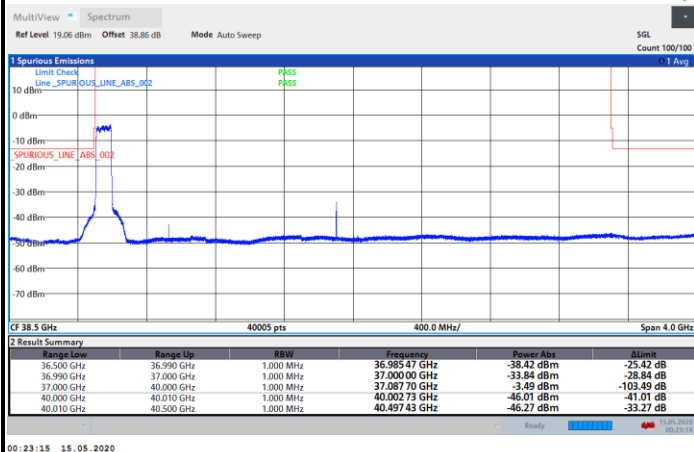
Highest Band Edge / Full RB



23:39:22 08.05.2020

NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



00:23:15 15.05.2020

Highest Band Edge / Full RB



23:38:21 08.05.2020



DFT-s-OFDM Module 1

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



17:27:12 08.05.2020

Highest Band Edge / Full RB



15:50:27 09.05.2020

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



17:26:11 08.05.2020

Highest Band Edge / Full RB



15:49:17 09.05.2020



DFT-s-OFDM Module 1

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





CP-OFDM Module 0

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



14:52:46 09.05.2020

Highest Band Edge / Full RB



18:34:25 09.05.2020

NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB



14:51:17 09.05.2020

Highest Band Edge / Full RB



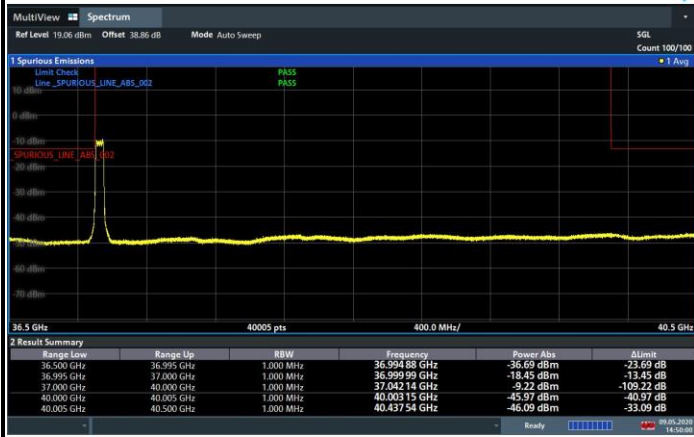
18:33:38 09.05.2020



CP-OFDM Module 0

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB



14:50:01 09.05.2020

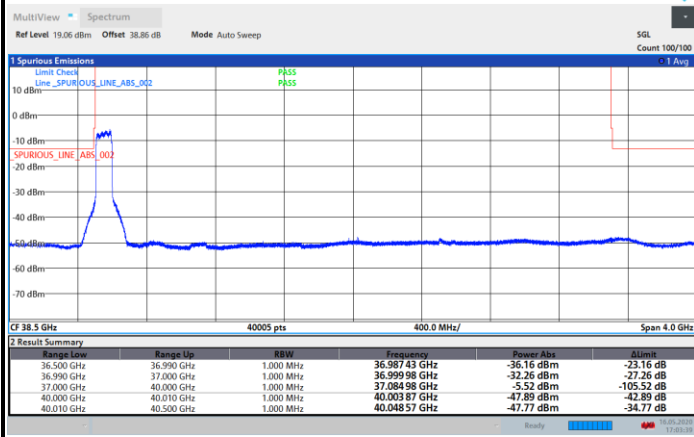
Highest Band Edge / Full RB



18:32:33 09.05.2020

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



17:03:40 16.05.2020

Highest Band Edge / Full RB



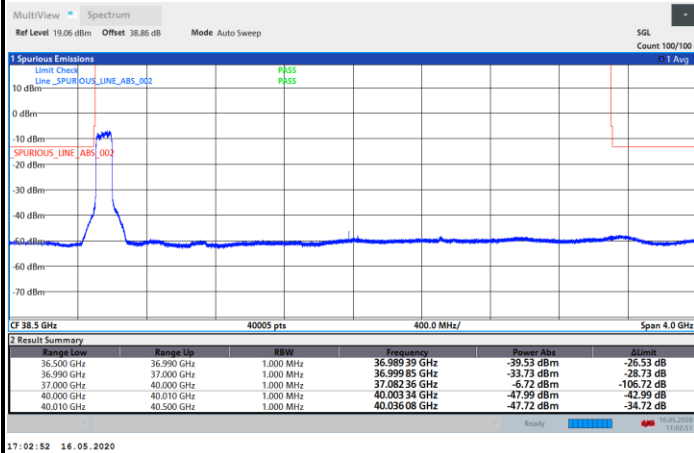
20:47:57 09.05.2020



CP-OFDM Module 0

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

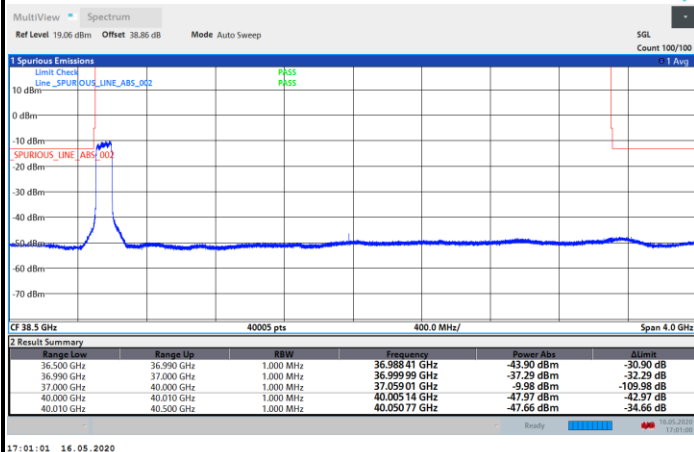


Highest Band Edge / Full RB



NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



01:30:04 10.05.2020

Highest Band Edge / Full RB



23:20:40 09.05.2020

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



01:29:06 10.05.2020

Highest Band Edge / Full RB



23:22:18 09.05.2020



CP-OFDM Module 0

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

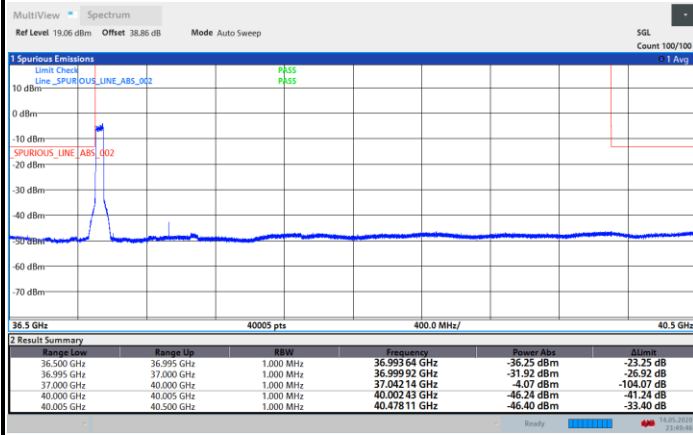




CP-OFDM Module 1

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

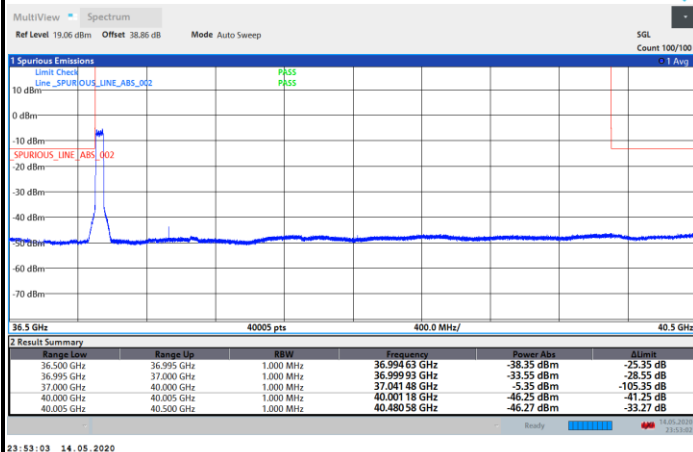


Highest Band Edge / Full RB



NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

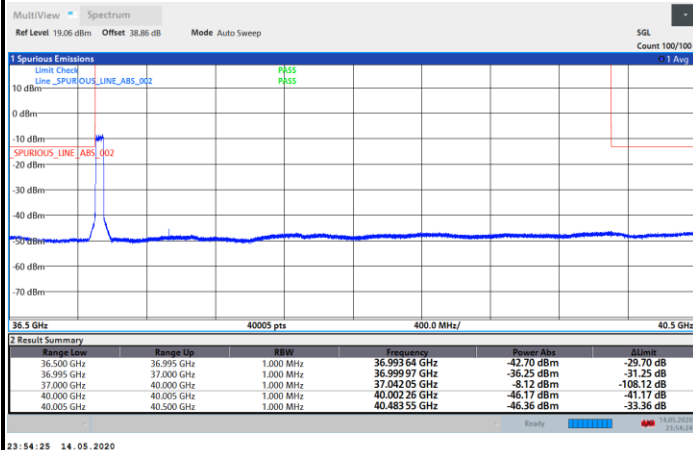




CP-OFDM Module 1

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB

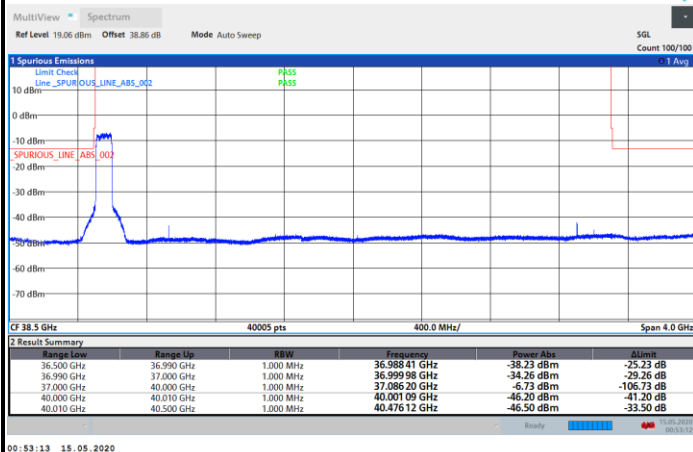


Highest Band Edge / Full RB



NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

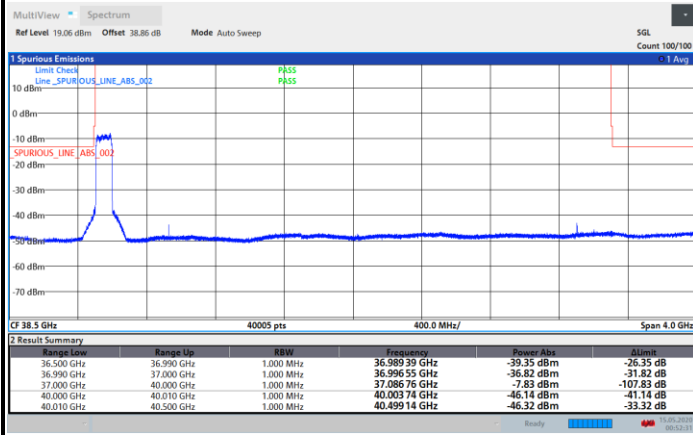




CP-OFDM Module 1

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB



00:52:31 15.05.2020

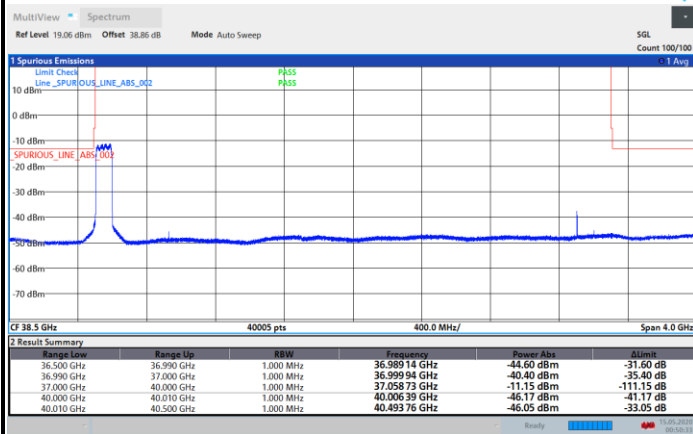
Highest Band Edge / Full RB



23:54:53 08.05.2020

NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



00:50:33 15.05.2020

Highest Band Edge / Full RB



23:53:59 08.05.2020



CP-OFDM Module 1

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



16:34:17 08.05.2020

Highest Band Edge / Full RB



17:32:11 09.05.2020

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



16:29:56 08.05.2020

Highest Band Edge / Full RB



17:29:53 09.05.2020



CP-OFDM Module 1

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





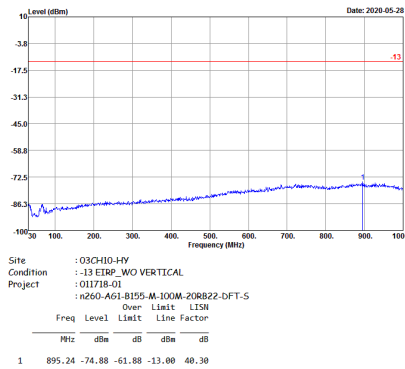
Spurious Emission

There is no significant spurious emission signal found for frequency started from 9kHz up to 18GHz.

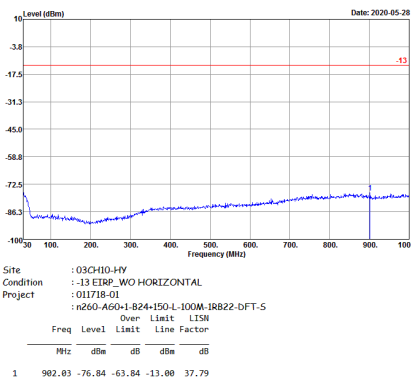
Only the noise floor is reported.

NR Band n260 (30MHz-18GHz)

Horizontal



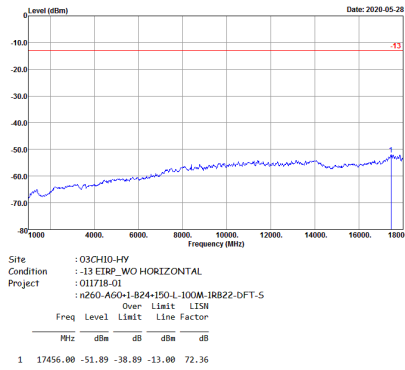
Vertical



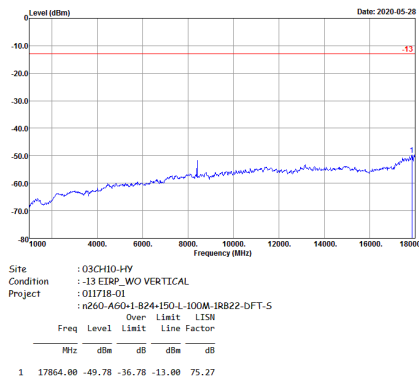


NR Band n260 (1GHz-18GHz)

Horizontal



Vertical





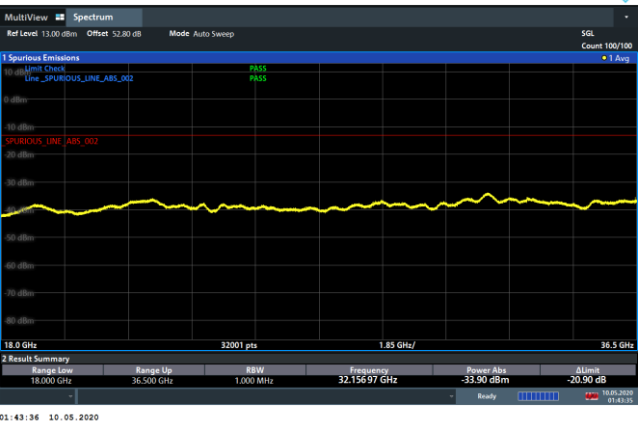
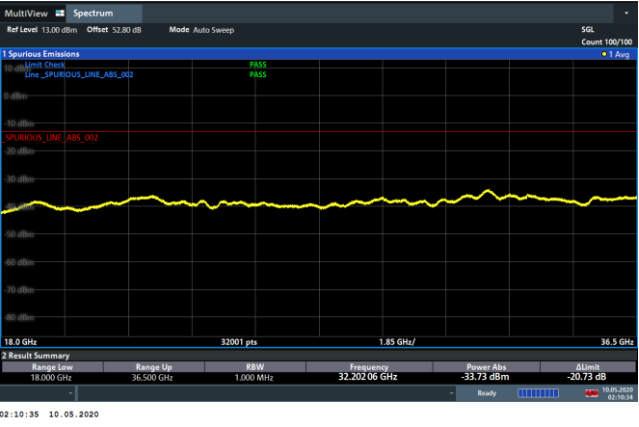
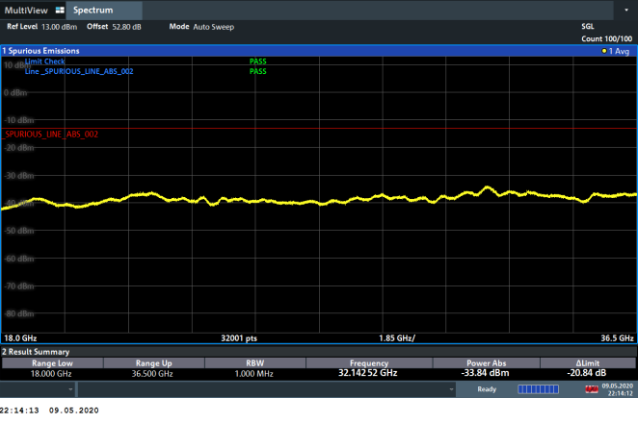
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module 0



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

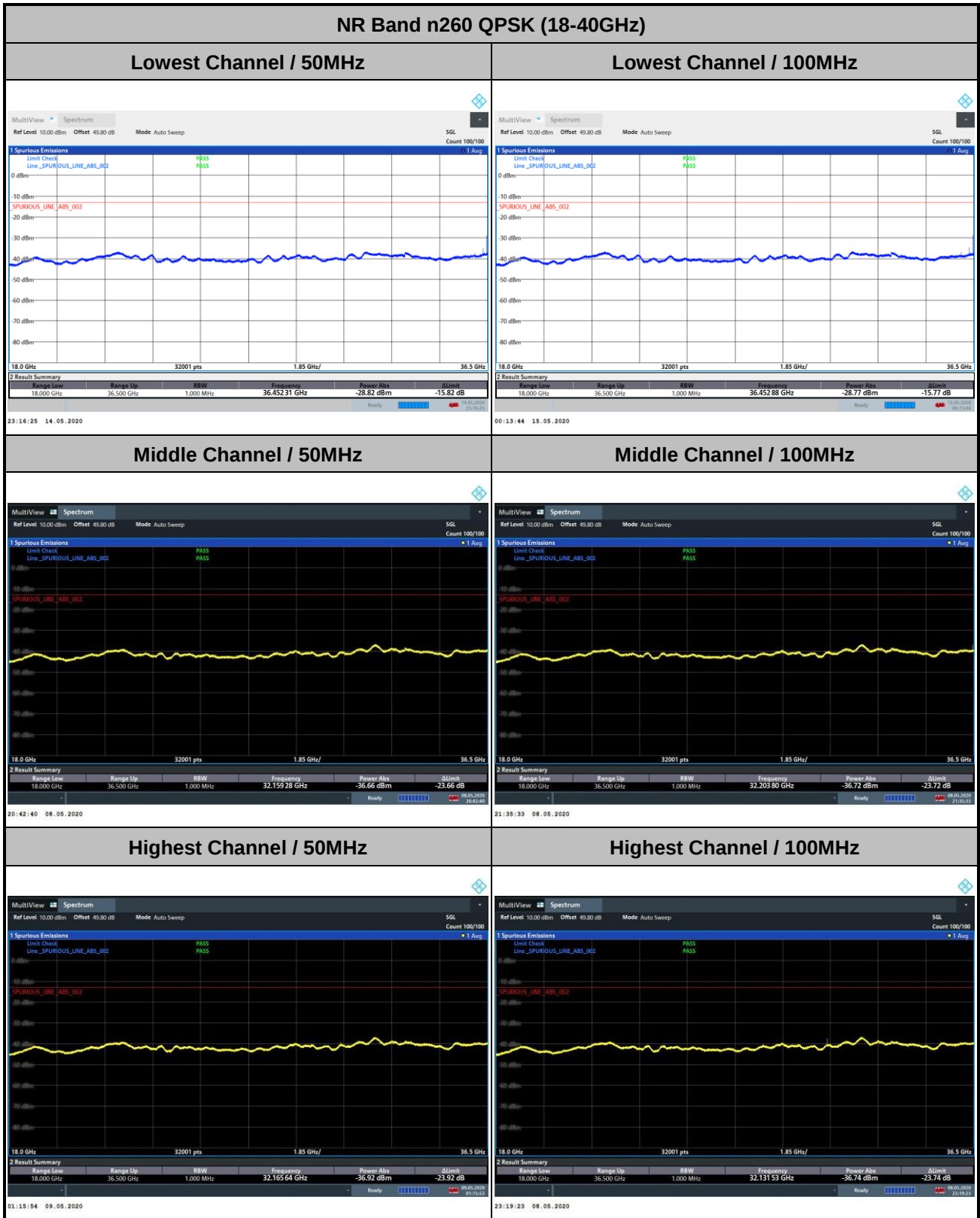
**DFT-s-OFDM Module 0**

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.



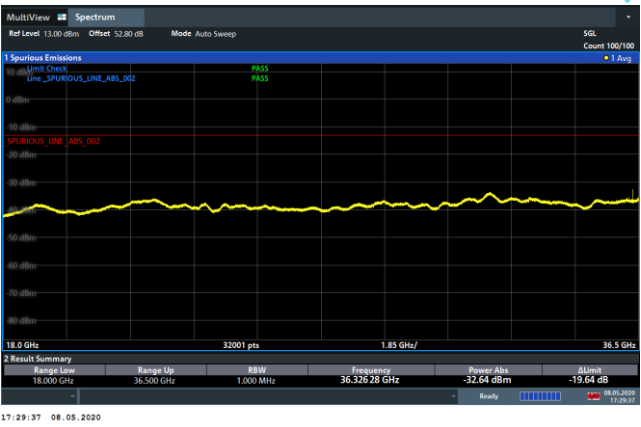
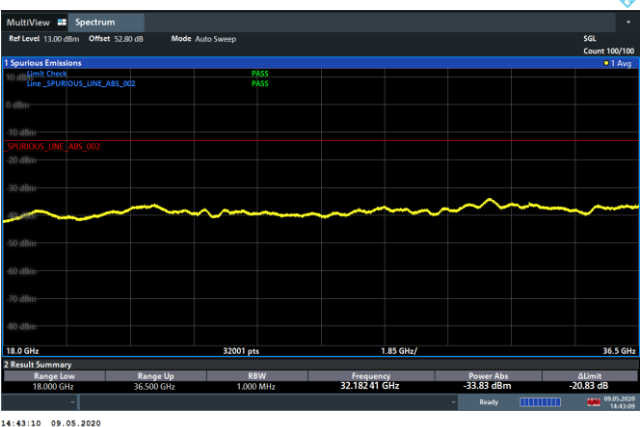
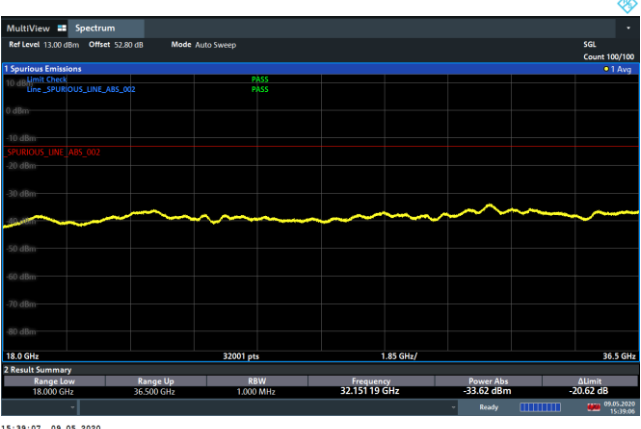
DFT-s-OFDM Module 1



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.



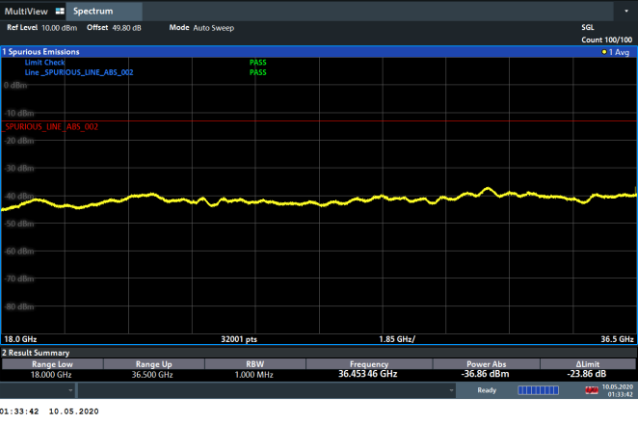
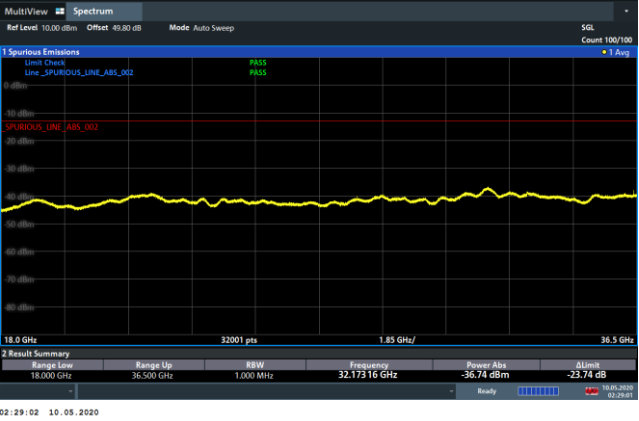
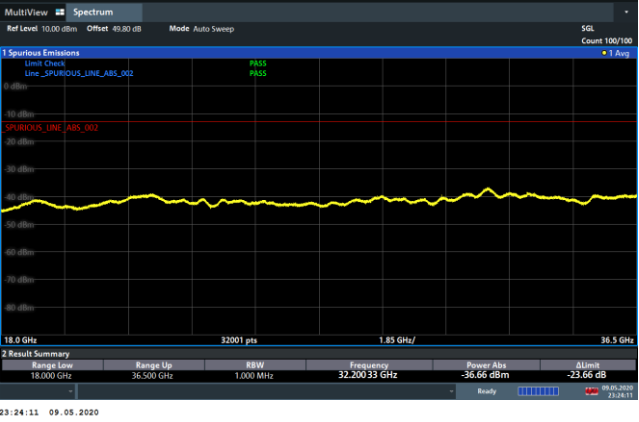
CP-OFDM Module 0



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



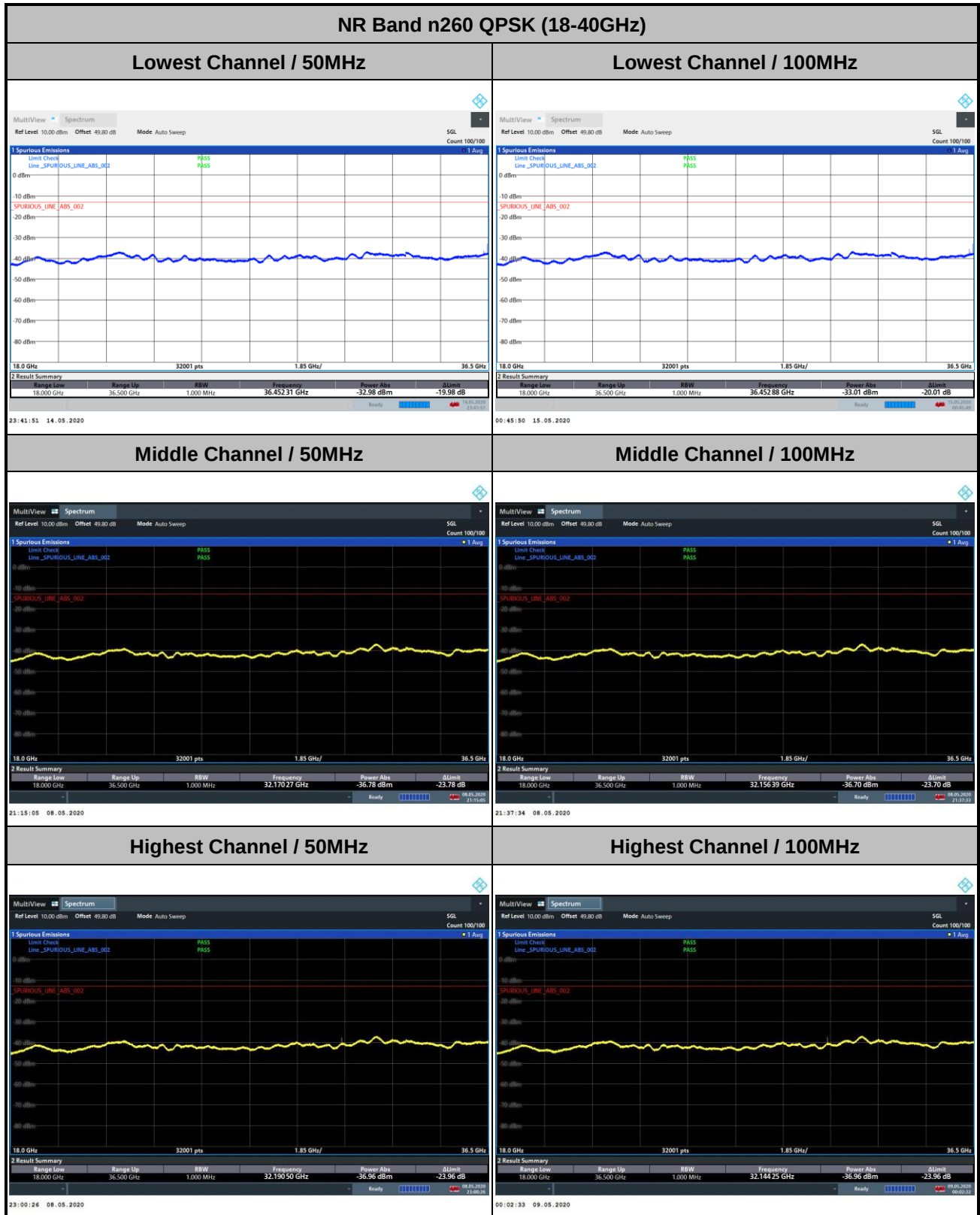
CP-OFDM Module 0

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.



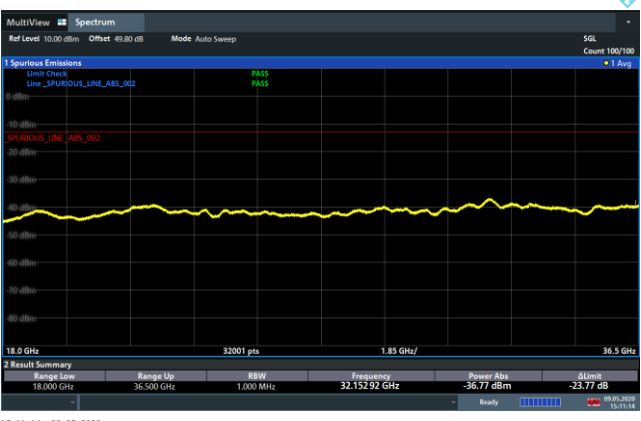
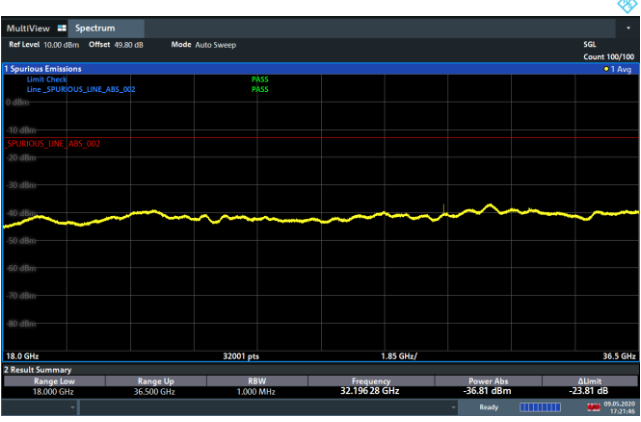
CP-OFDM Module 1



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



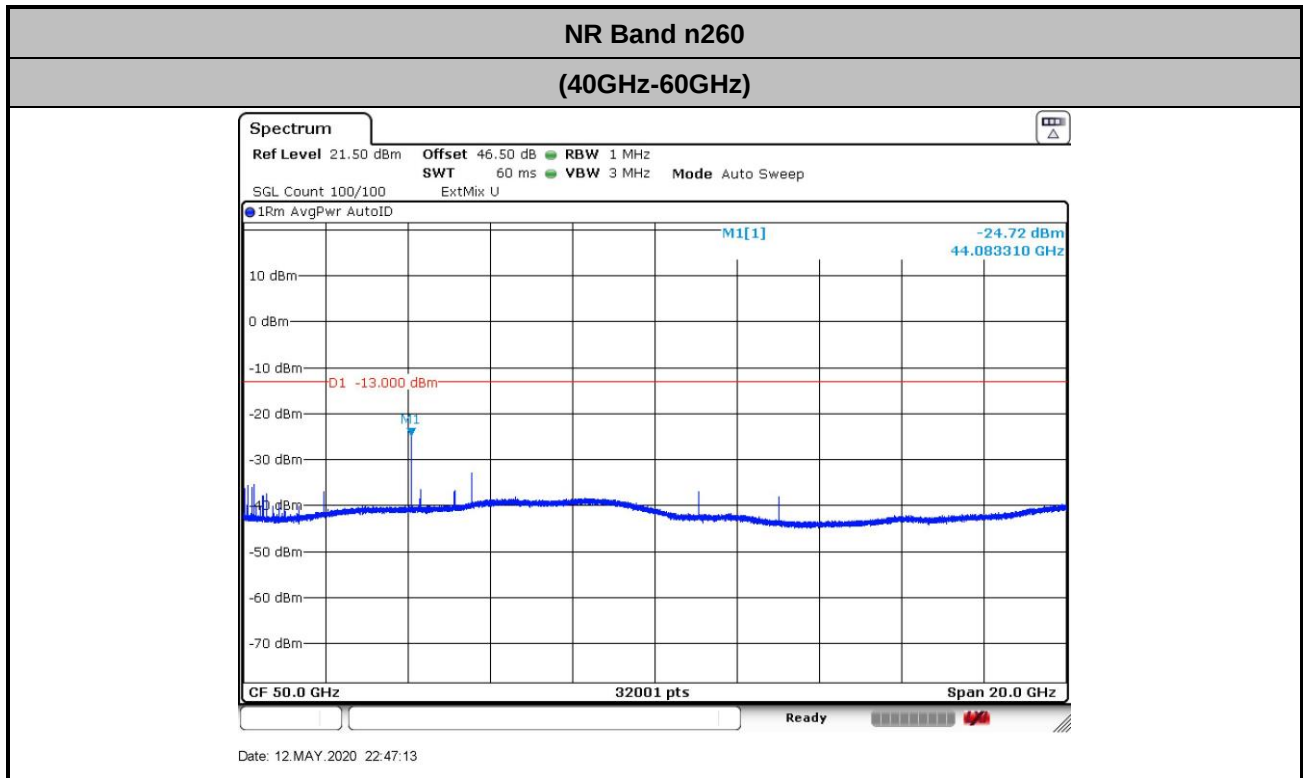
CP-OFDM Module 1

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

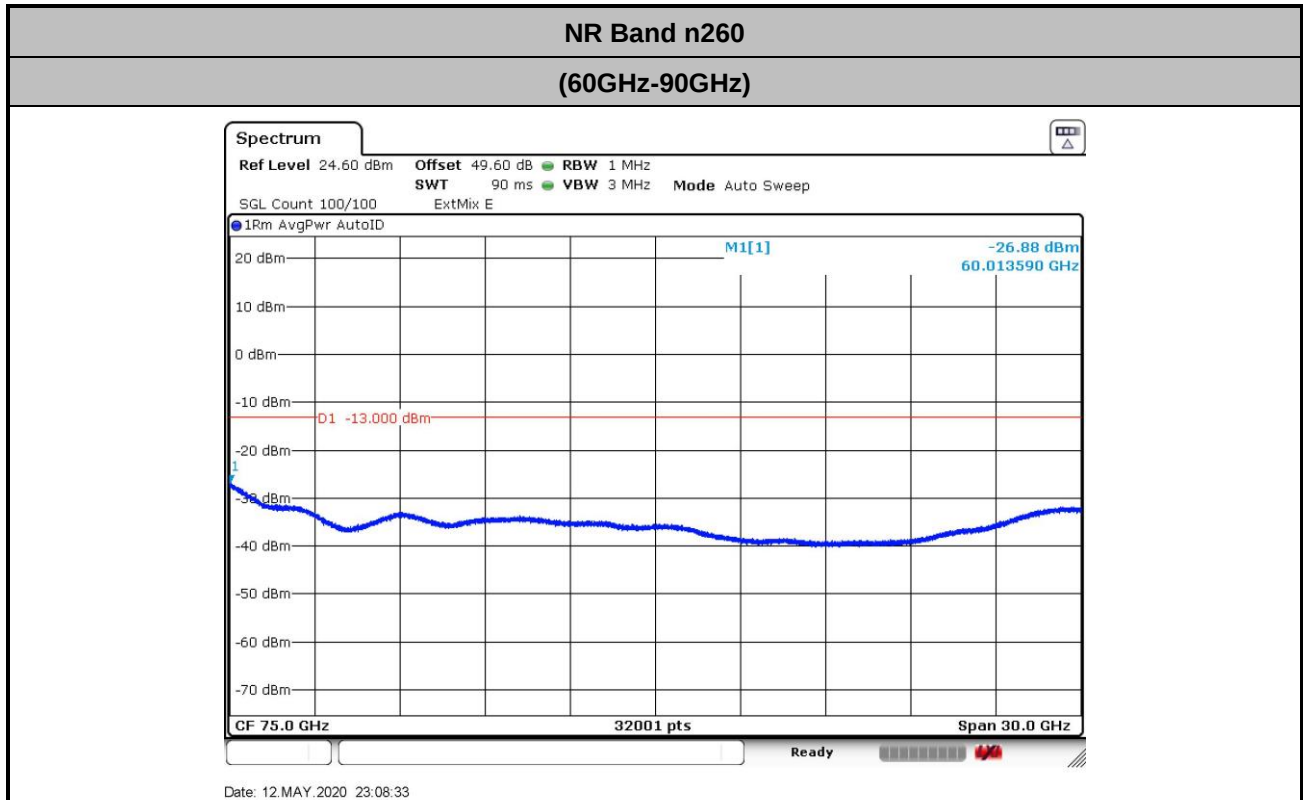
Remark: In band and out of band frequencies are omitted.



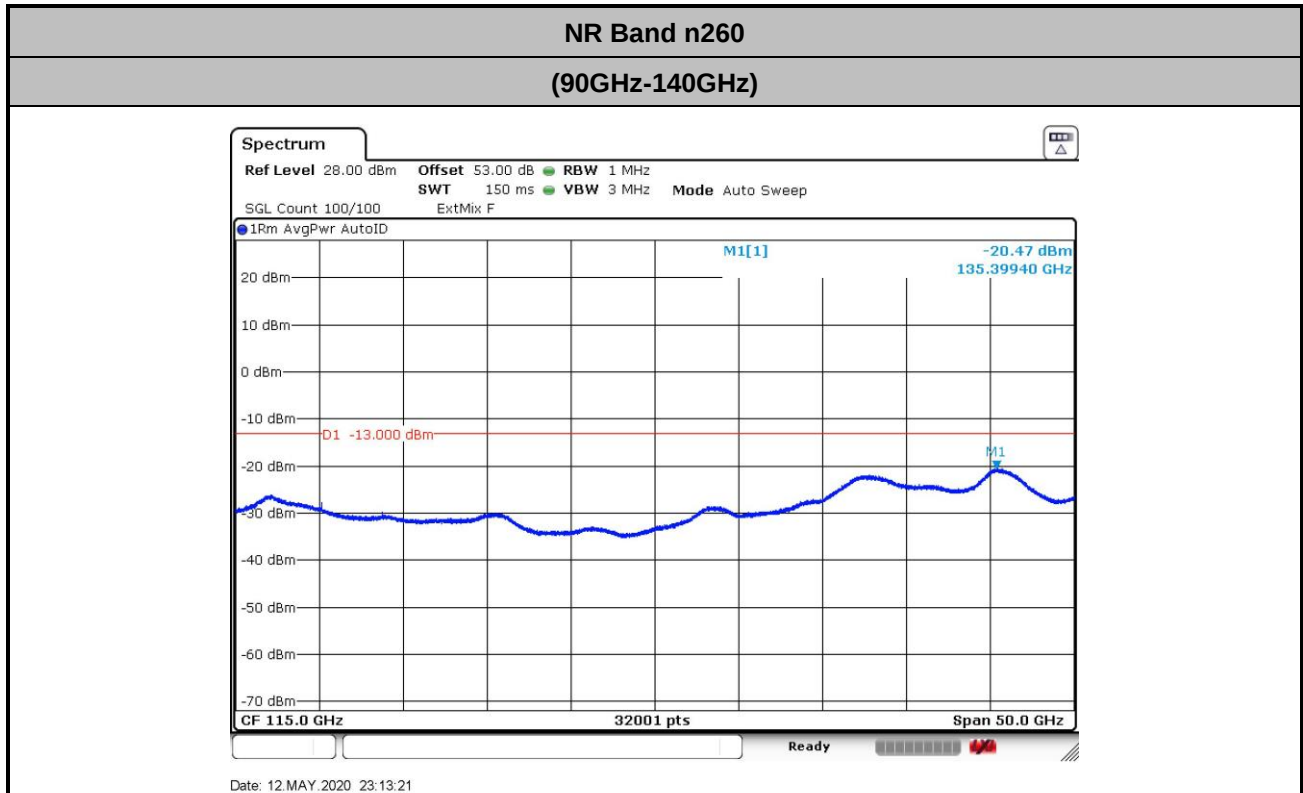
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.



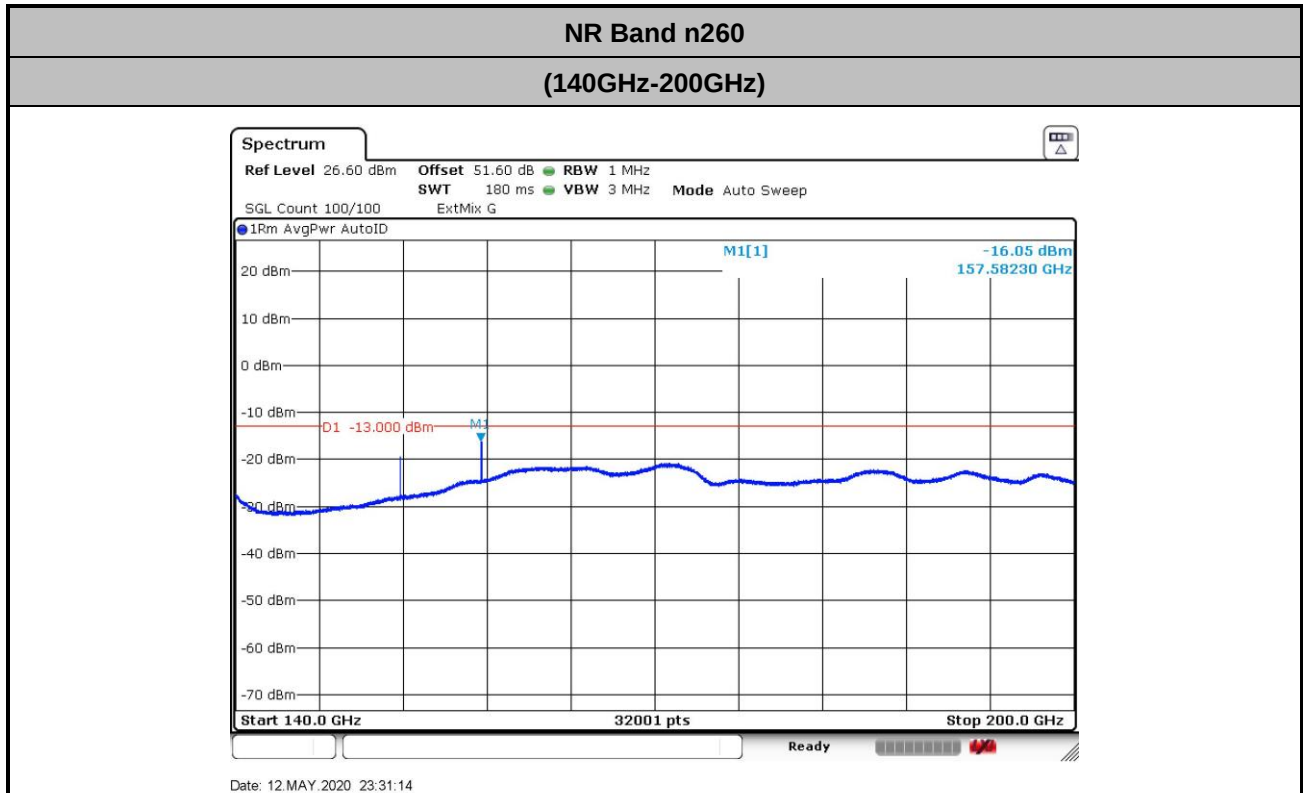
$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}\end{aligned}$$



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



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



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

Frequency Stability

Test Conditions		NR Band n260 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	38.50008023	116.23	3.02	PASS
40	Normal Voltage	38.49999568	31.68	0.82	
30	Normal Voltage	38.49988952	-74.48	-1.93	
20(Ref.)	Normal Voltage	38.49996400	0.00	0.00	
10	Normal Voltage	38.49994782	-16.18	-0.42	
0	Normal Voltage	38.50005727	93.27	2.42	
-10	Normal Voltage	38.49989550	-68.50	-1.78	
-20	Normal Voltage	38.50017432	210.33	5.46	
-30	Normal Voltage	38.49997539	11.39	0.30	
20	Maximum Voltage	38.50003573	71.73	1.86	
20	Normal Voltage	38.50002411	60.11	1.56	
20	Battery End Point	38.49998476	20.76	0.54	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.49 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the operation band.

NR Band n261 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.48	45.52	45.38	90.28	90.52	90.20	188.72	188.56	183.76
Middle CH	45.30	45.28	45.48	90.28	90.52	90.32	188.72	188.32	185.84
Highest CH	45.30	45.24	45.50	90.44	90.68	90.36	188.56	188.88	186.16

Mode	DFT-s-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	45.52	45.32	45.44	90.40	90.32	90.40	188.24	188.00	183.68
Middle CH	45.32	45.24	45.22	90.44	90.52	90.52	188.48	188.32	185.36
Highest CH	45.28	45.26	45.22	90.48	90.60	90.60	188.24	187.84	185.44

Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.36	45.40	45.16	92.76	92.60	92.96	189.84	184.72	190.40
Middle CH	45.36	45.38	45.18	92.96	92.80	92.64	190.08	186.56	190.48
Highest CH	45.32	45.50	45.26	92.64	92.96	92.48	190.00	190.32	190.08

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	45.32	45.26	45.36	92.84	92.48	92.68	189.52	185.20	190.08
Middle CH	45.22	45.46	45.18	92.40	92.40	92.72	189.68	186.08	190.64
Highest CH	45.22	45.48	45.18	92.44	92.48	92.60	189.52	186.40	190.40