

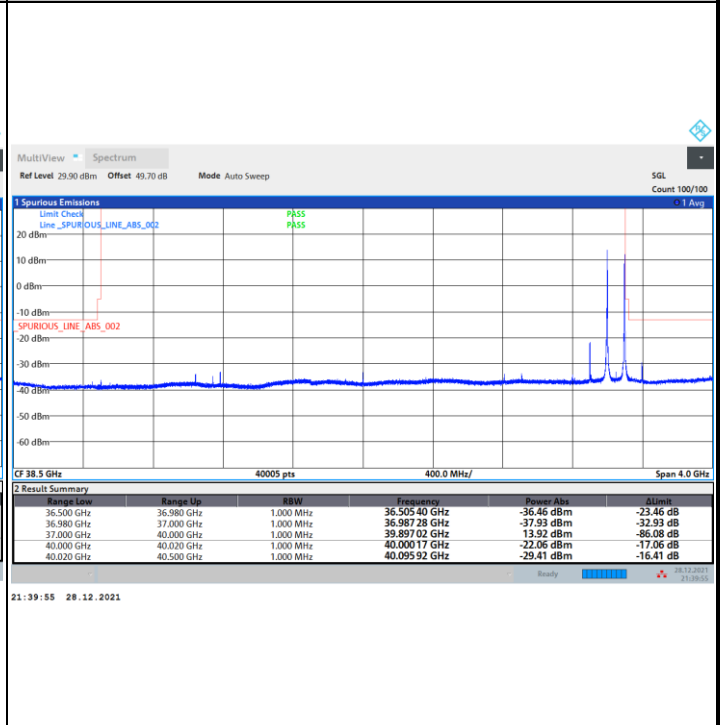
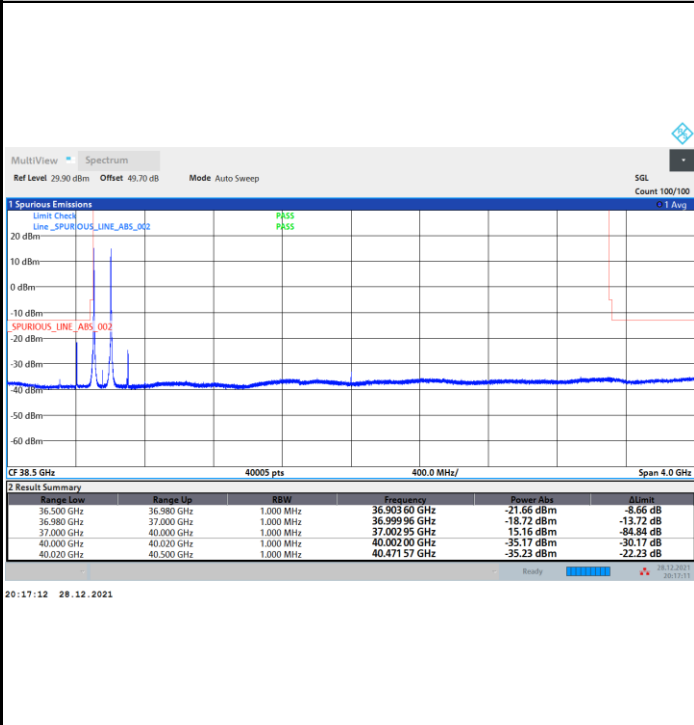


DFT-s-OFDM Module 0

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



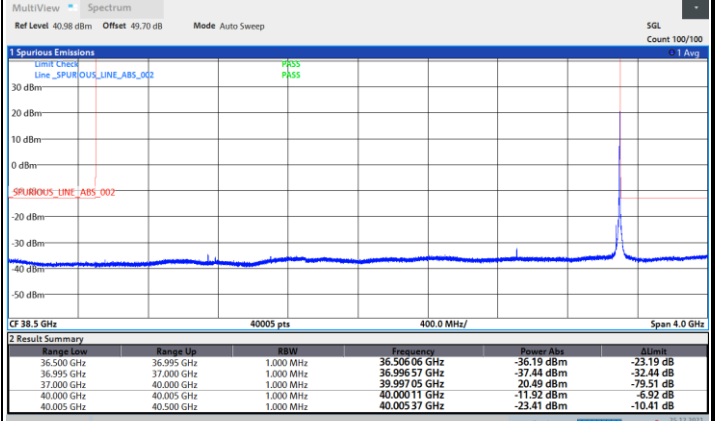
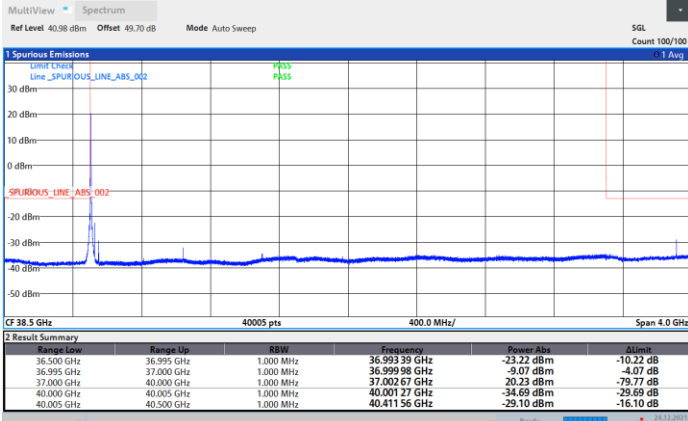


CP-OFDM Module 0

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

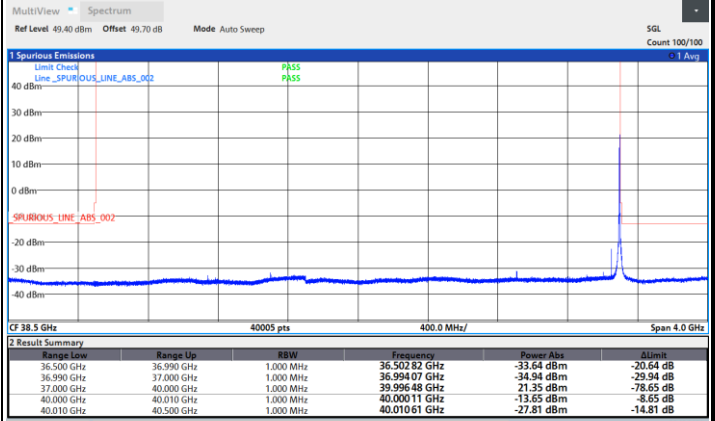
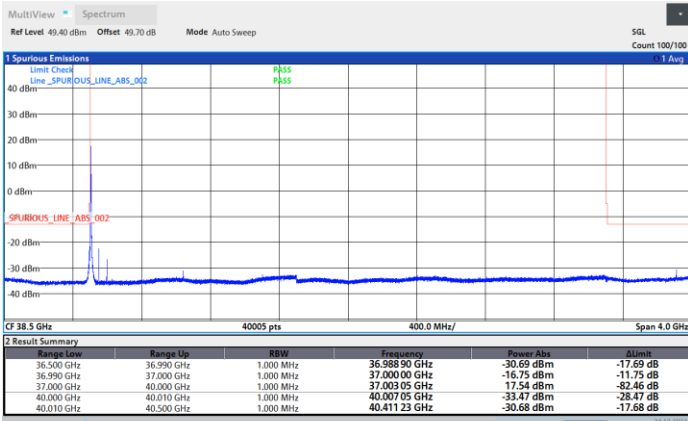
Highest Band Edge / 1 RB

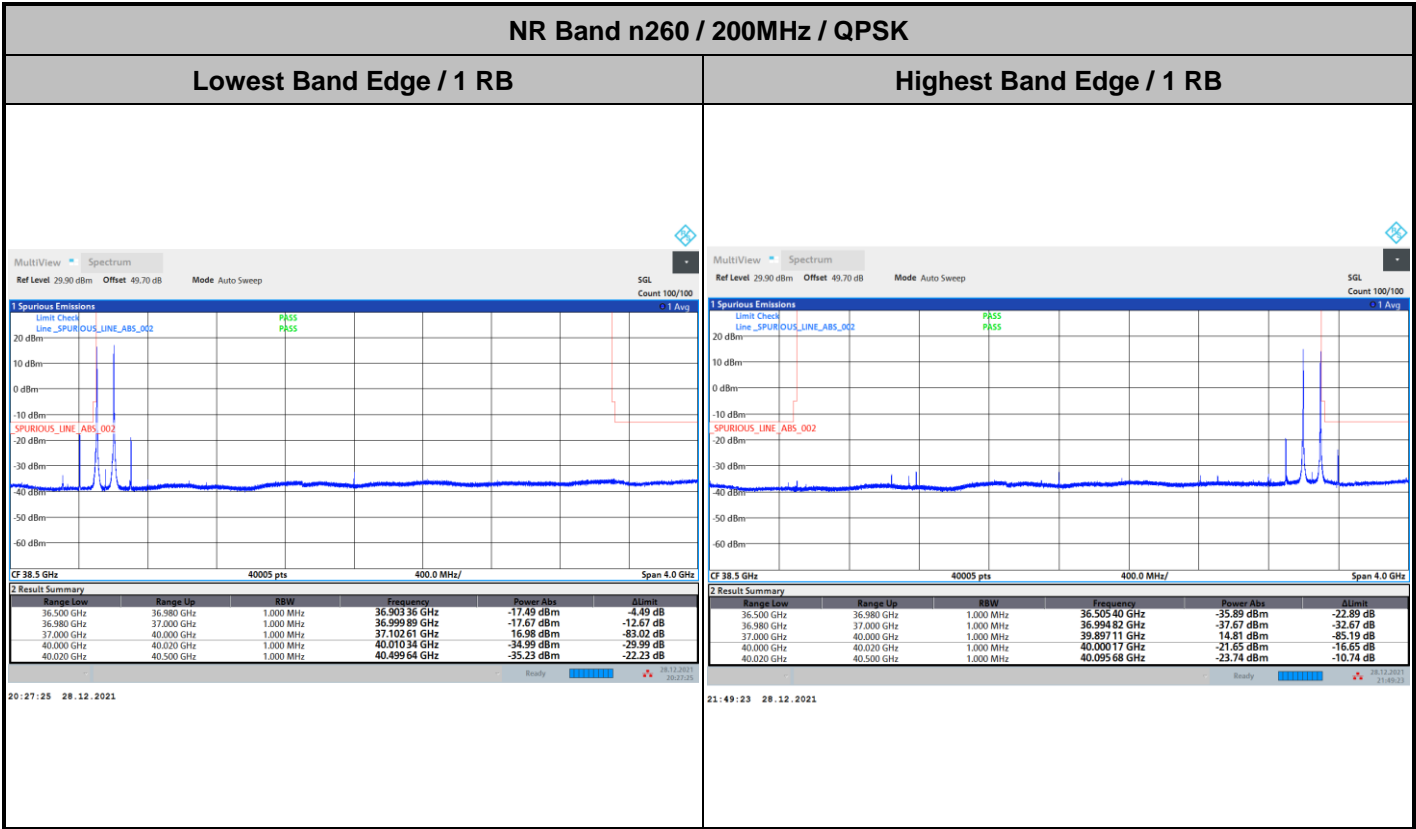


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB





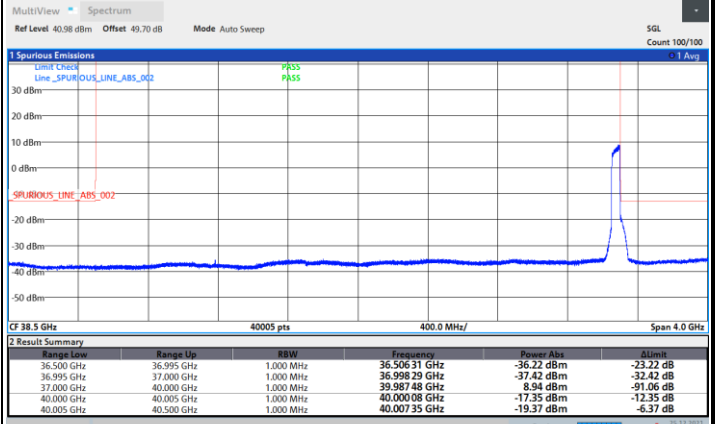
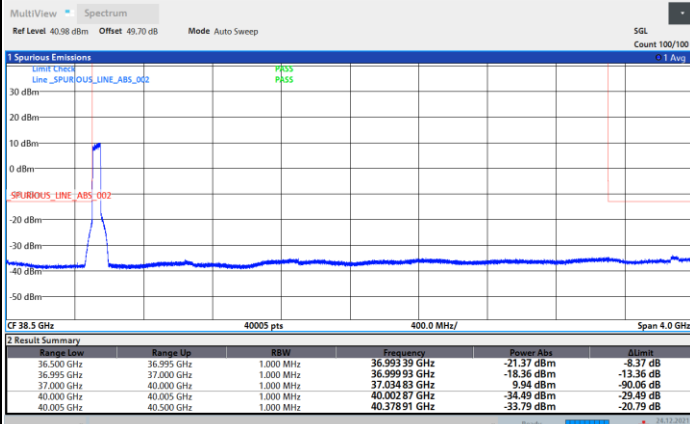


DFT-s-OFDM Module 0

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

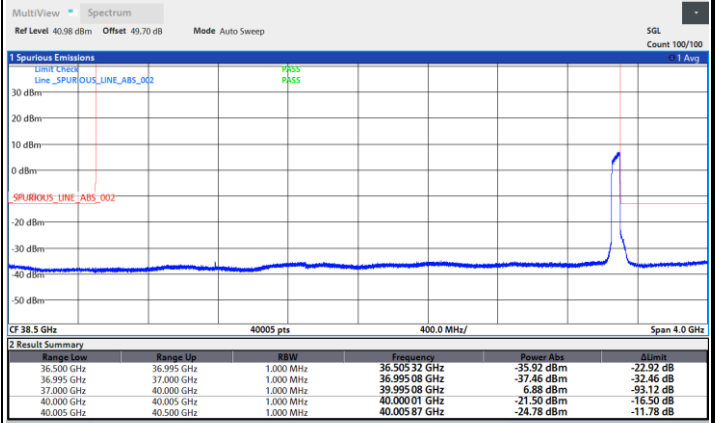
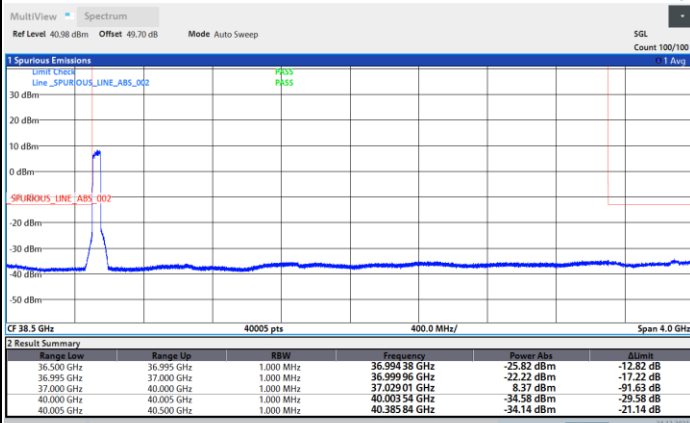
Highest Band Edge / Full RB



NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

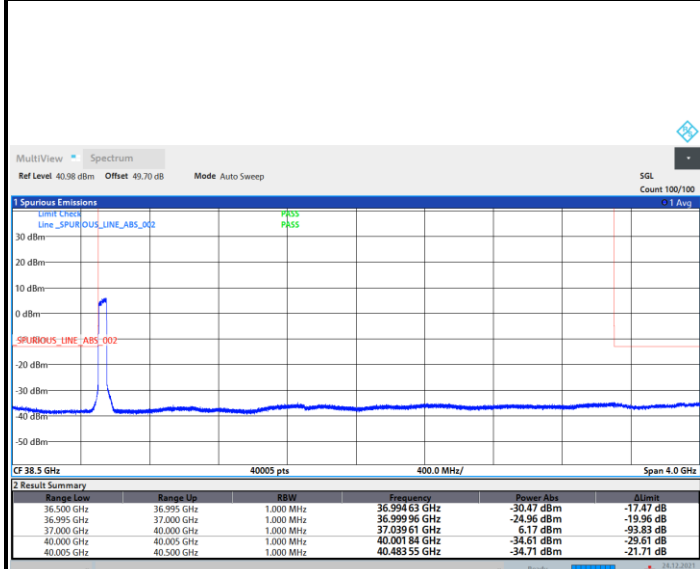




DFT-s-OFDM Module 0

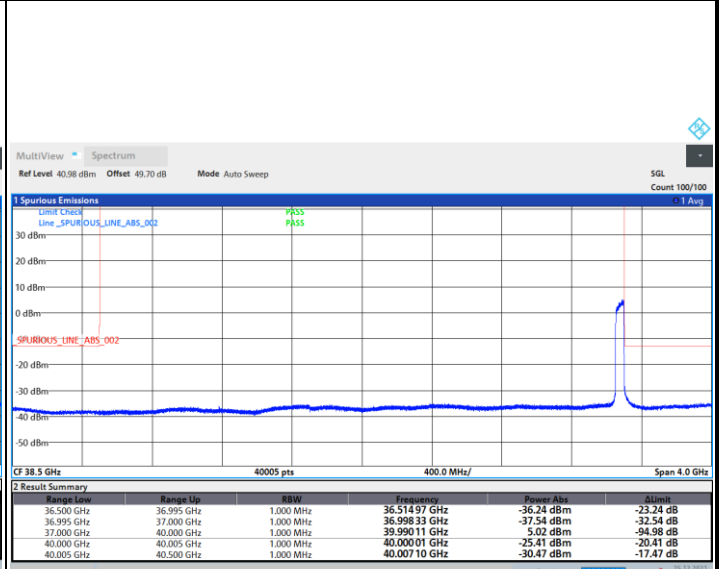
NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB



20:07:44 24.12.2021

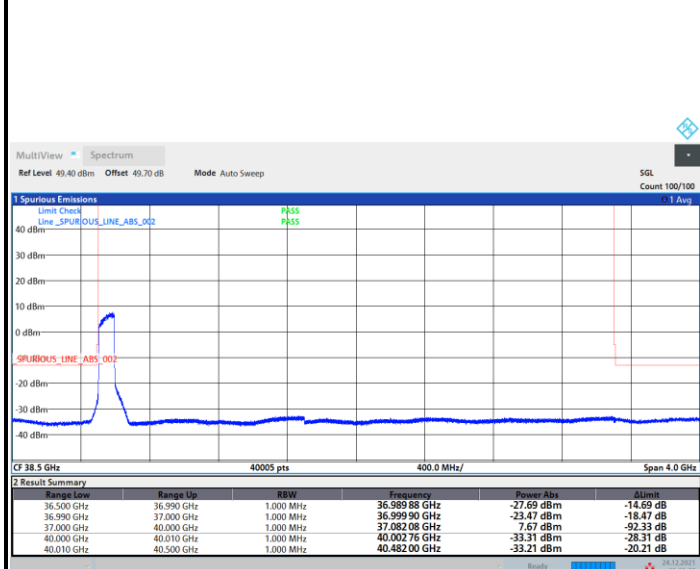
Highest Band Edge / Full RB



02:32:23 25.12.2021

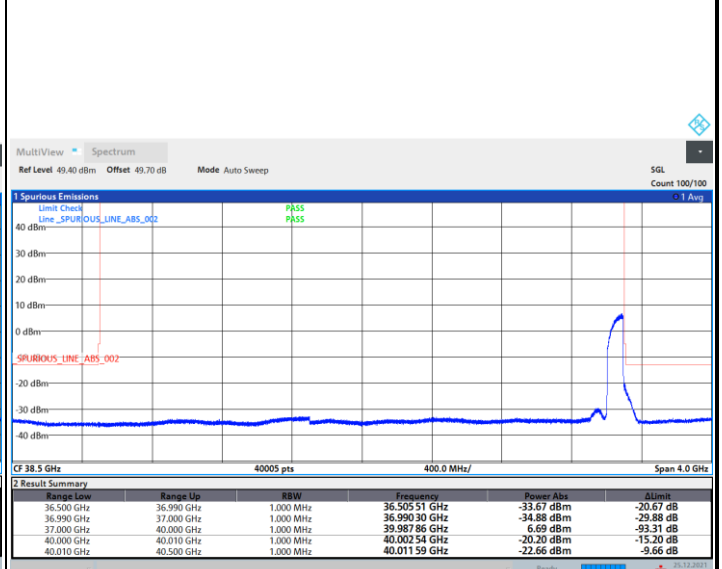
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



21:25:09 24.12.2021

Highest Band Edge / Full RB



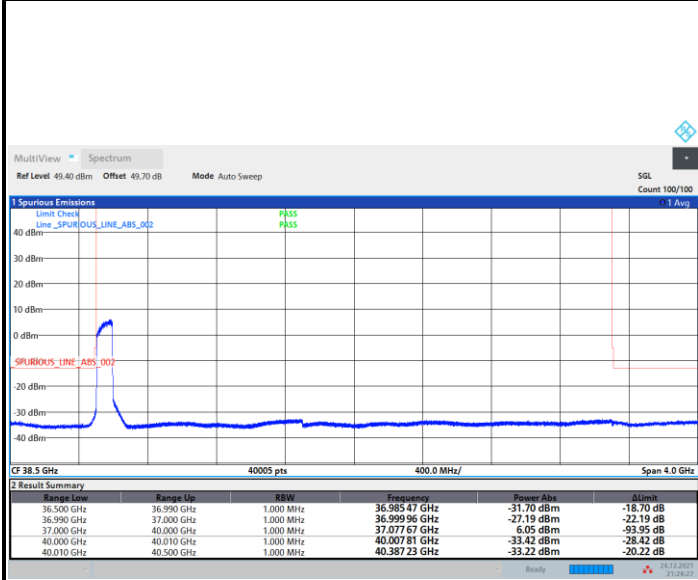
02:47:59 25.12.2021



DFT-s-OFDM Module 0

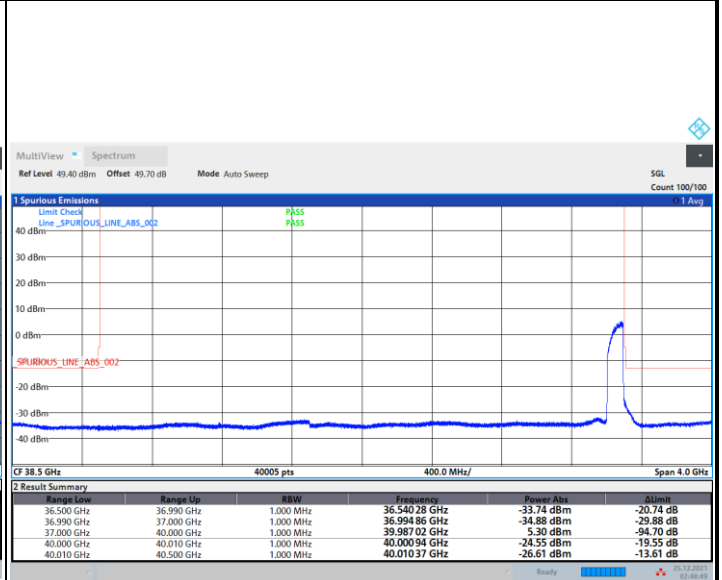
NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB



21:24:28 24.12.2021

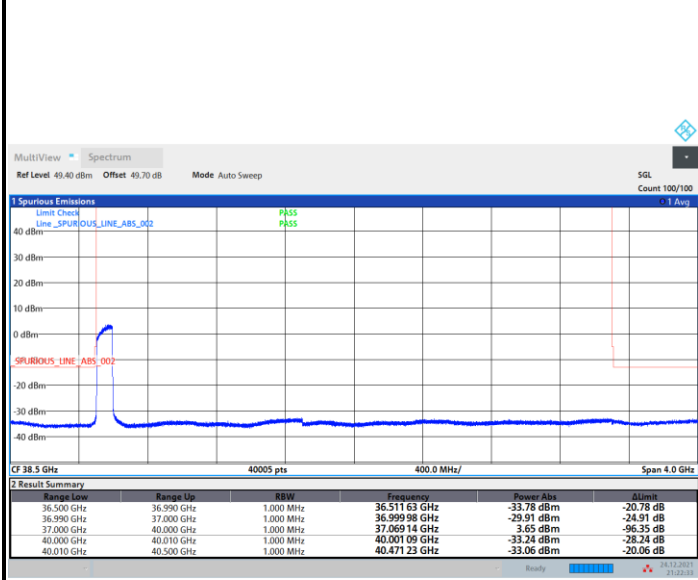
Highest Band Edge / Full RB



02:48:49 25.12.2021

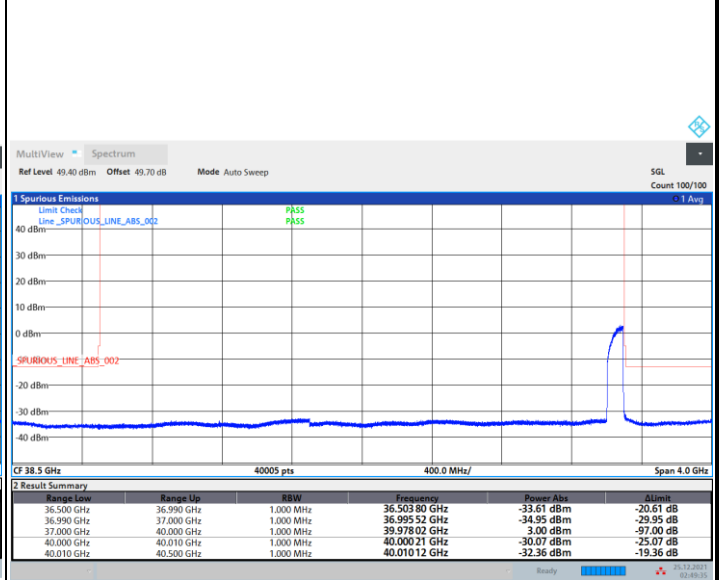
NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



21:22:34 24.12.2021

Highest Band Edge / Full RB



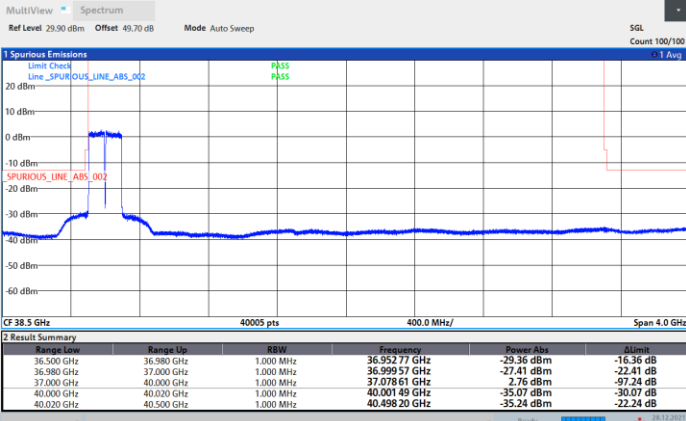
02:49:35 25.12.2021



DFT-s-OFDM Module 0

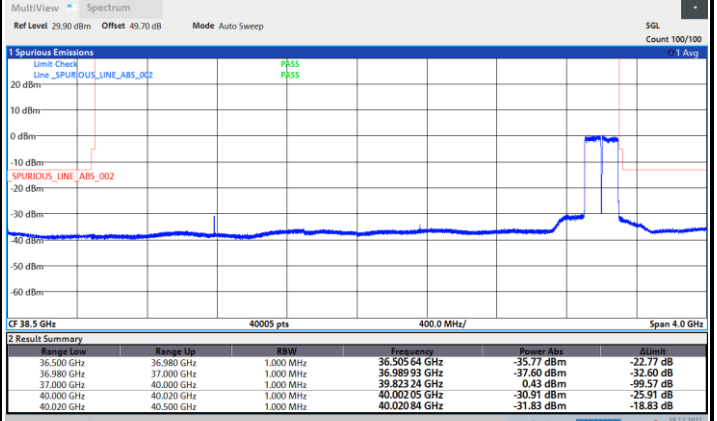
NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



20:21:43 28.12.2021

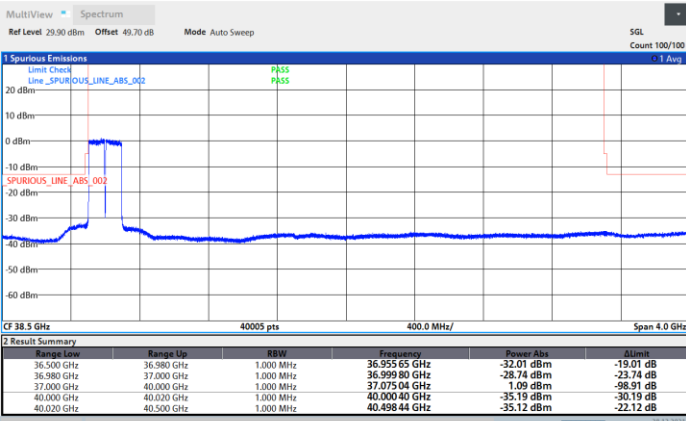
Highest Band Edge / Full RB



21:44:37 28.12.2021

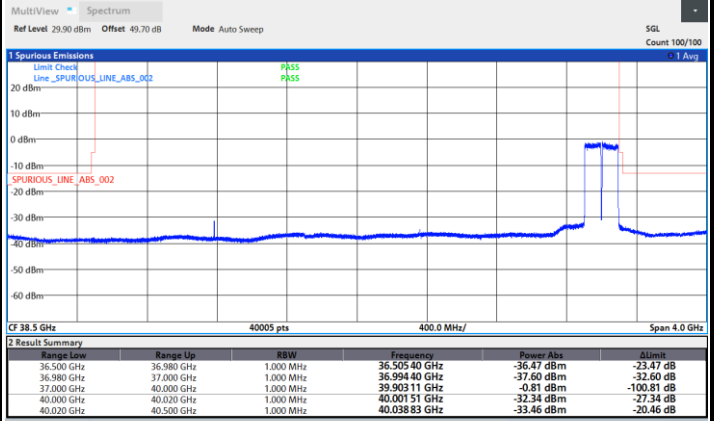
NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



20:20:57 28.12.2021

Highest Band Edge / Full RB



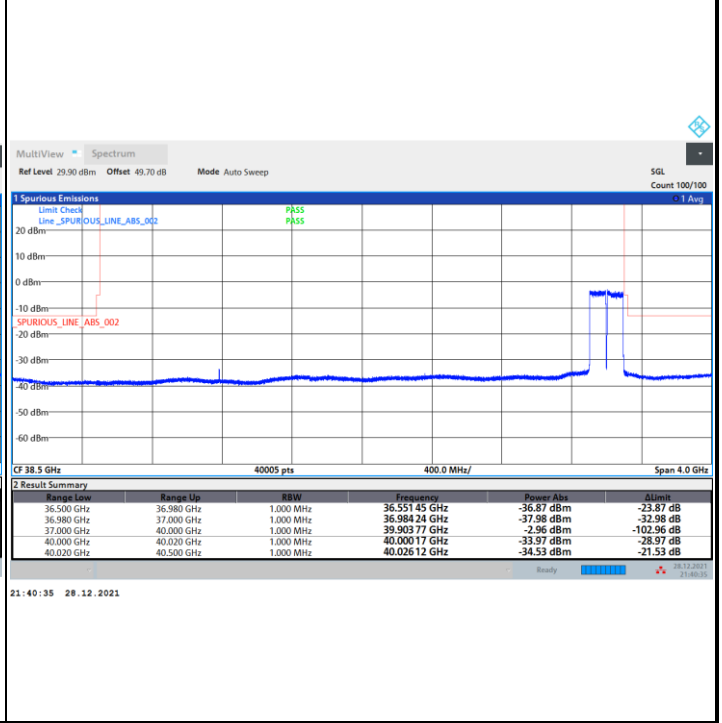
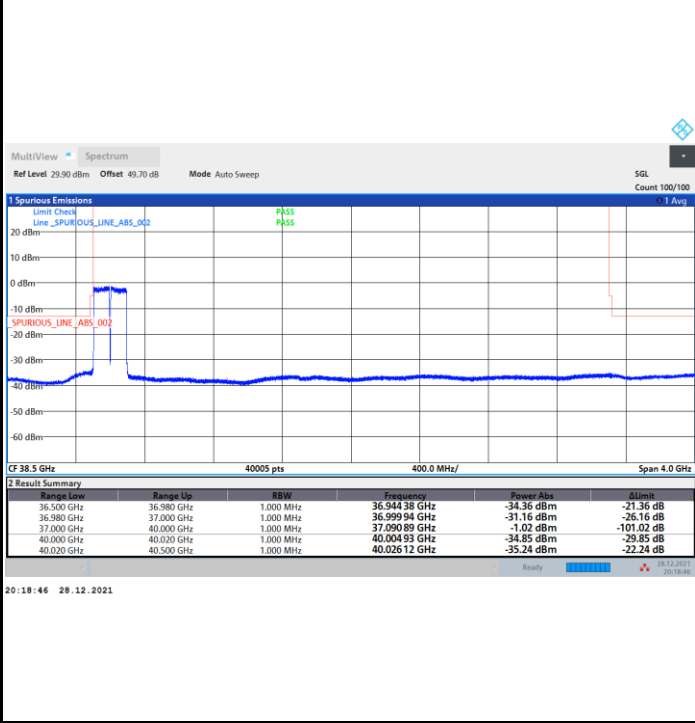
21:42:03 28.12.2021



NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



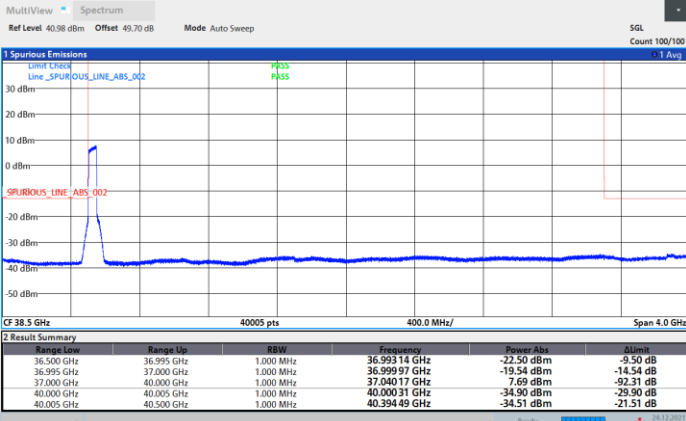




CP-OFDM Module 0

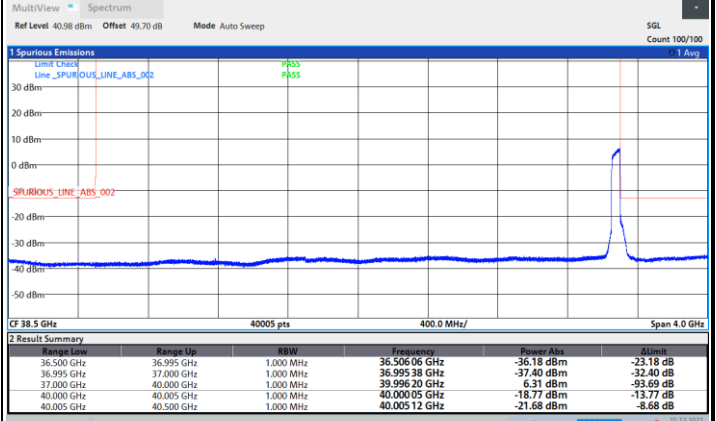
NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



20:10:12 24.12.2021

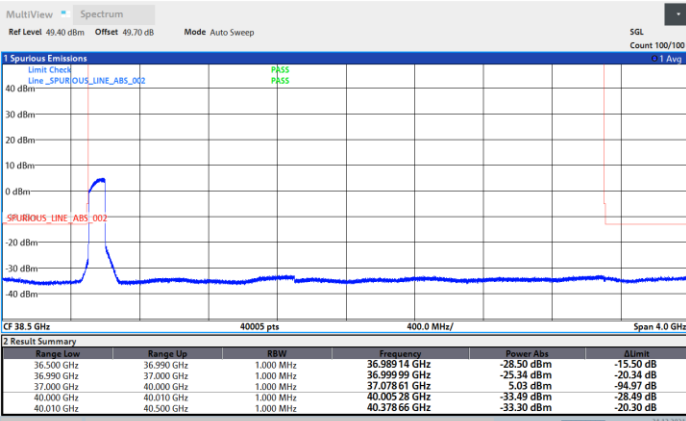
Highest Band Edge / Full RB



02:40:45 25.12.2021

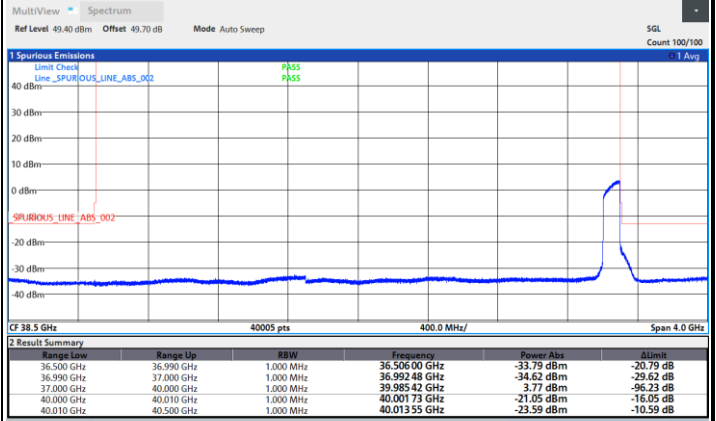
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



21:29:38 24.12.2021

Highest Band Edge / Full RB



02:56:24 25.12.2021

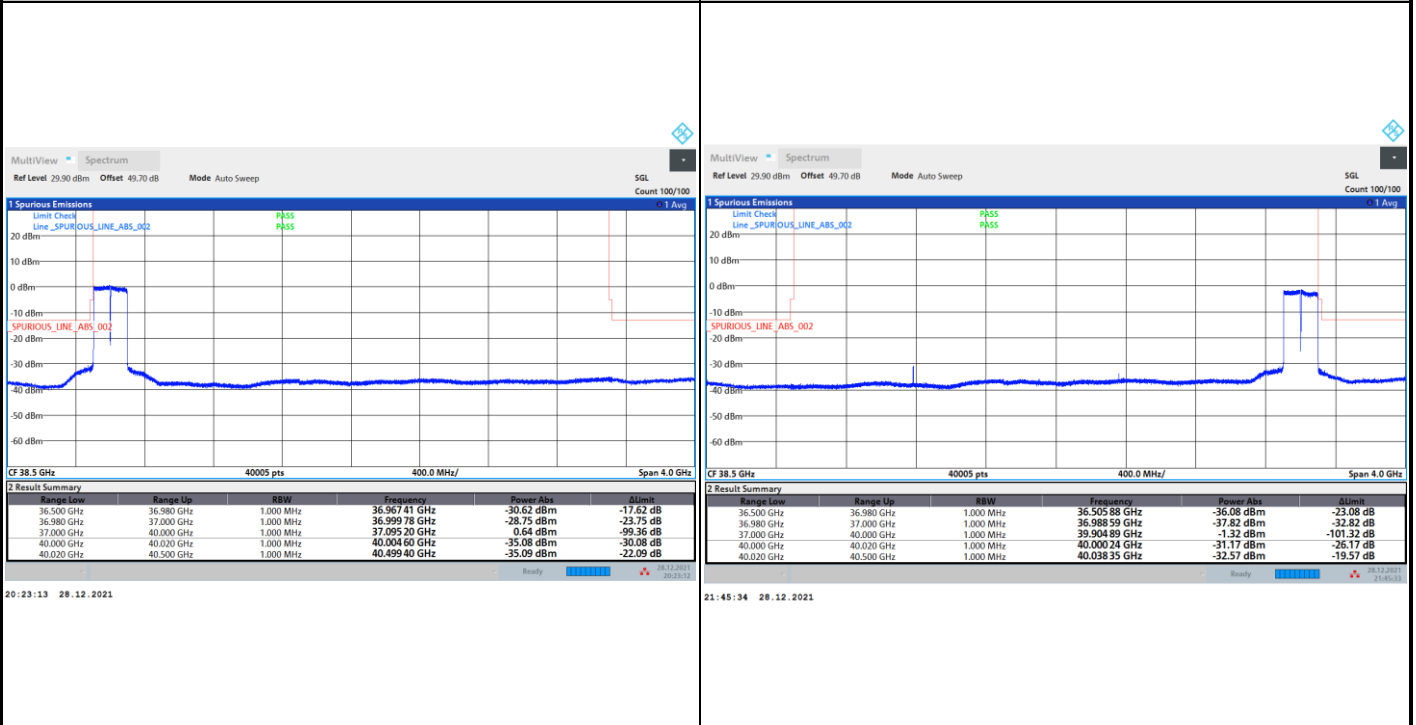


CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

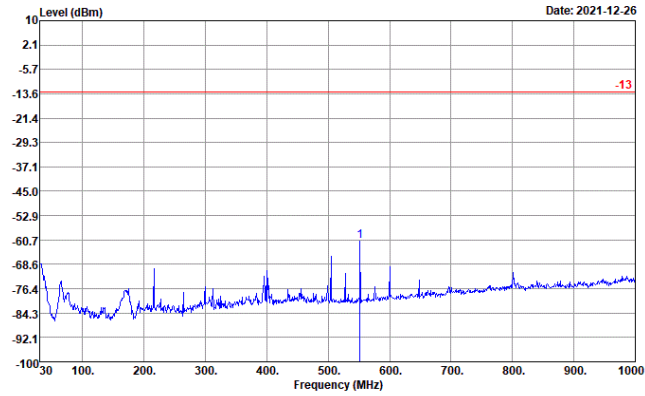




# Spurious Emission

## NR Band n260 (30MHz-1GHz)

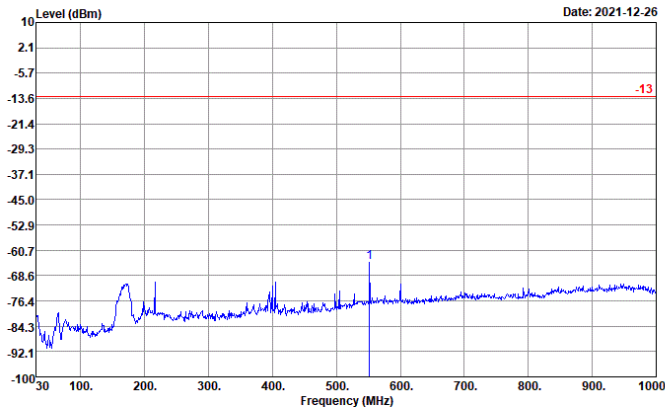
### Horizontal



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 HORIZONTAL  
 Project : 192340-02  
 : n260 M0

Freq	Level	Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	Remark	
MHz	dBm	dB	dBm	dBm	dB	dB	dB	cm	deg		
1	551.86	-60.95	-47.95	-13.00	-61.19	34.84	0.00	34.60	---	---	Peak

### Vertical



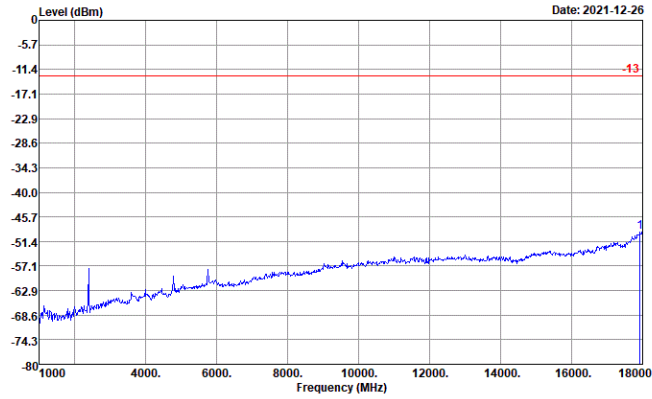
Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 VERTICAL  
 Project : 192340-02  
 : n260 M0

Freq	Level	Over	Limit	Read	LISN	Cable	Preamp	A/Pos	T/Pos	Remark	
MHz	dBm	dB	dBm	dBm	dB	dB	dB	cm	deg		
1	551.86	-64.40	-51.40	-13.00	-68.43	38.63	0.00	34.60	---	---	Peak



NR Band n260 (1GHz-18GHz)

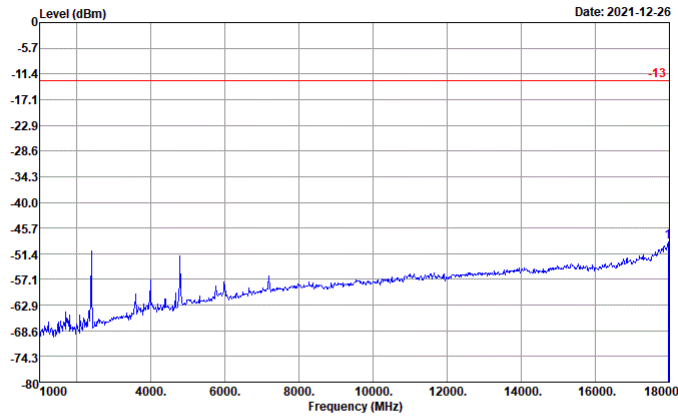
Horizontal



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 HORIZONTAL  
 Project : 192340-02  
 : n260 MO

1	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	LISN Factor dB	Cable Loss dB	Preamp Factor dB	A/Pos cm	T/Pos deg	Remark
1	17932.00	-49.26	-36.26	-13.00	-82.72	79.72	0.00	46.26	---	---	Peak

Vertical



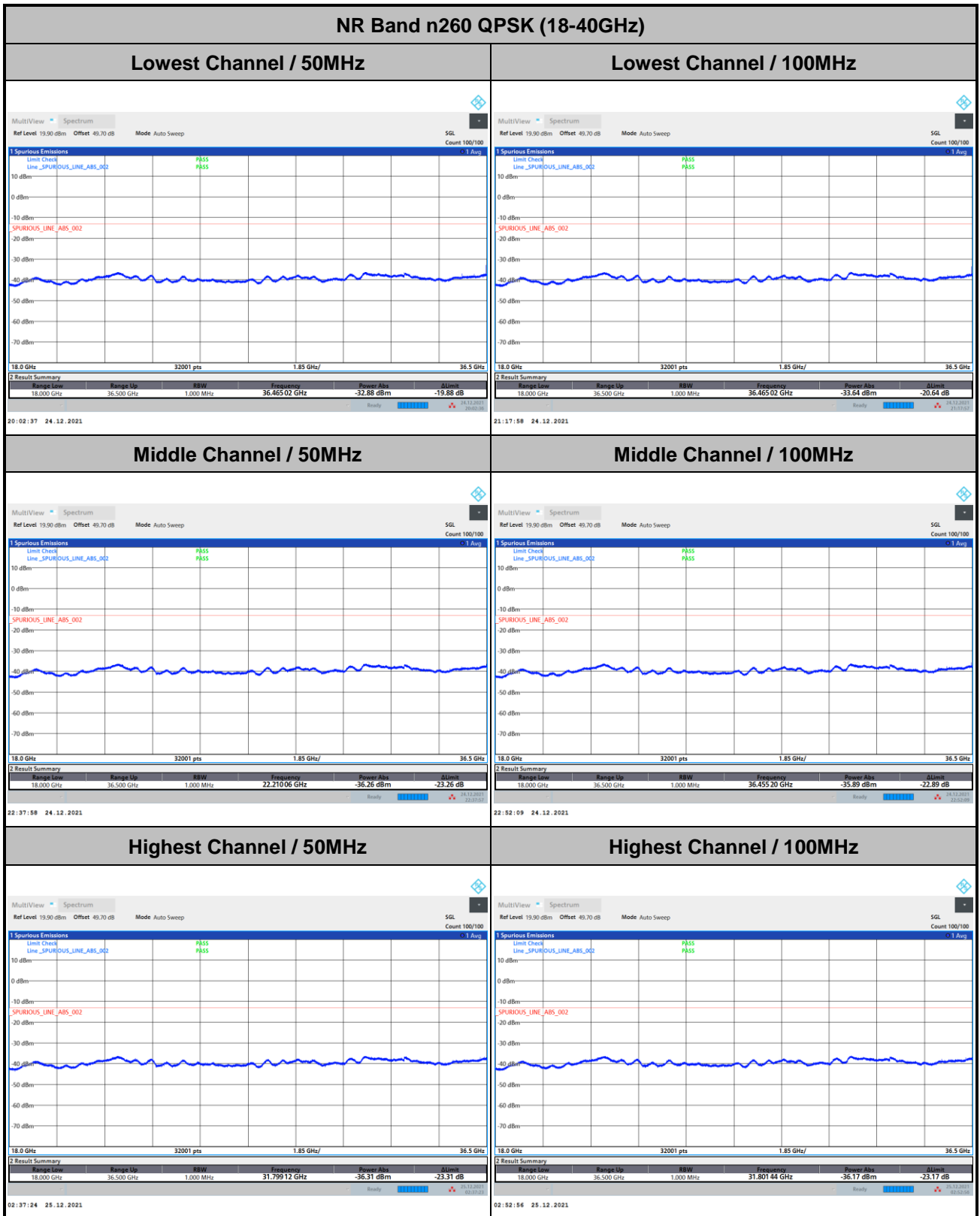
Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 VERTICAL  
 Project : 192340-02  
 : n260 MO

1	Freq MHz	Level dBm	Over Limit dB	Limit Line dBm	Read Level dBm	LISN Factor dB	Cable Loss dB	Preamp Factor dB	A/Pos cm	T/Pos deg	Remark
1	17966.00	-48.72	-35.72	-13.00	-82.13	79.71	0.00	46.30	---	---	Peak



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

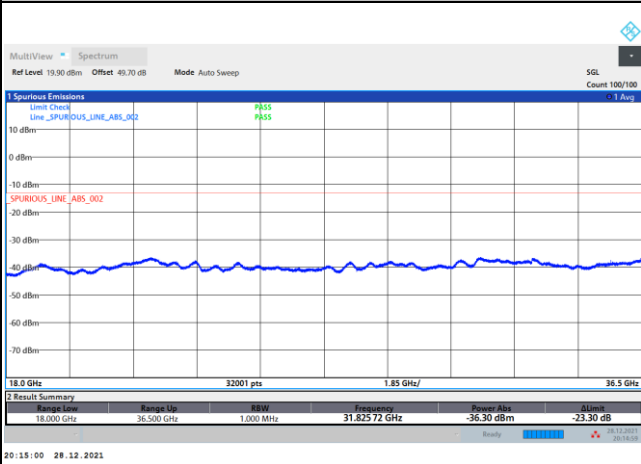
DFT-s-OFDM Module 0



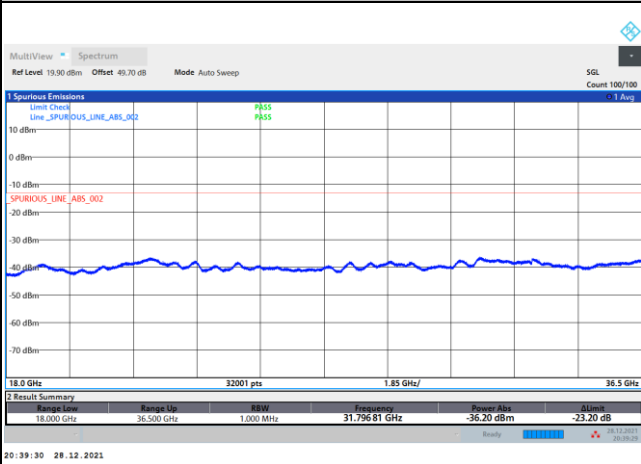


NR Band n260 QPSK (18-40GHz)

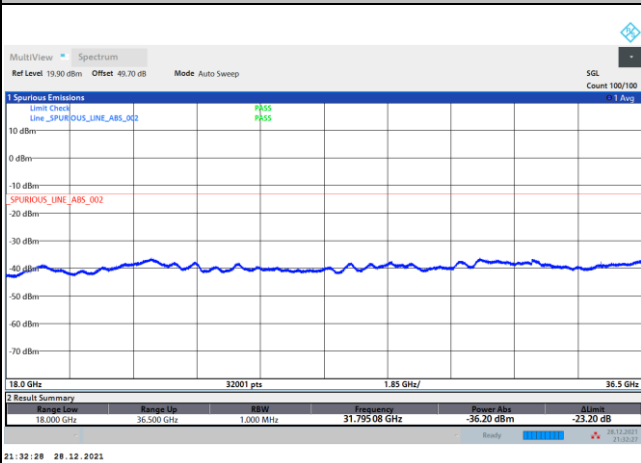
Lowest Channel / 200MHz



Middle Channel / 200MHz



Highest Channel / 200MHz



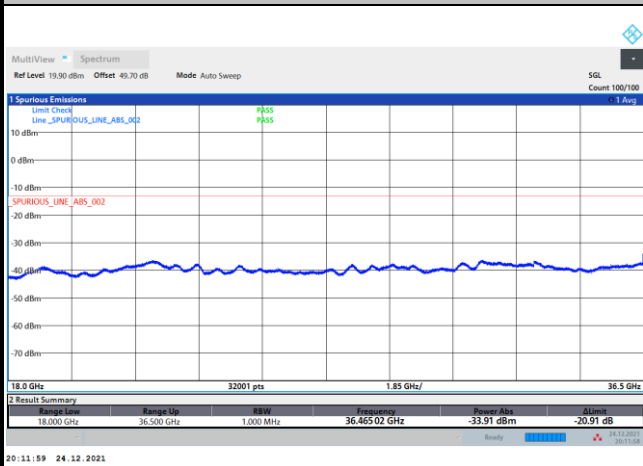
Remark: Above plots, the spurious emissions were measured from 18GHz to 36.5GHz. The test results within the omitted frequency 36.5GHz to 40GHz were measured and reported in the section of Radiated Out of Band Emission with frequency range, 36.5GHz to 40.5GHz and all spurious comply with limits.



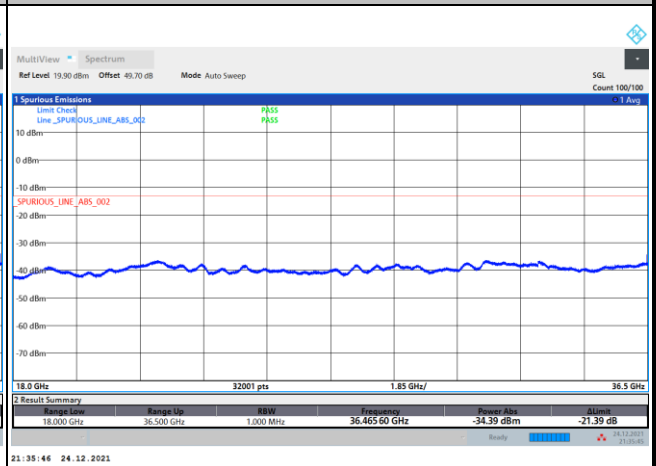
CP-OFDM Module 0

NR Band n260 QPSK (18-40GHz)

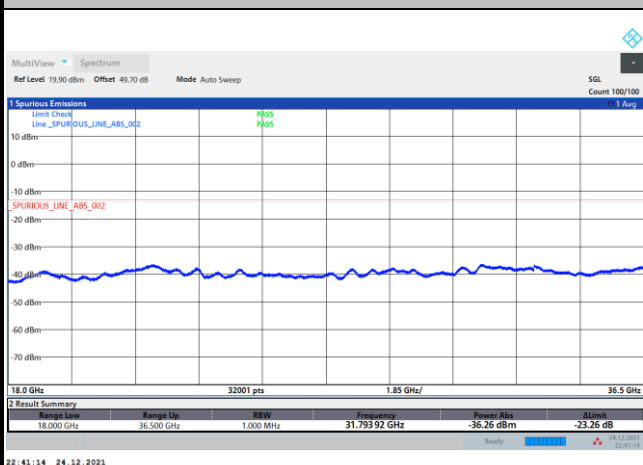
Lowest Channel / 50MHz



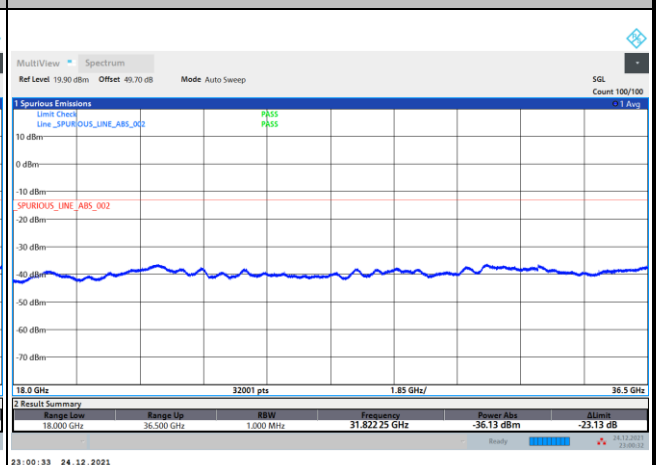
Lowest Channel / 100MHz



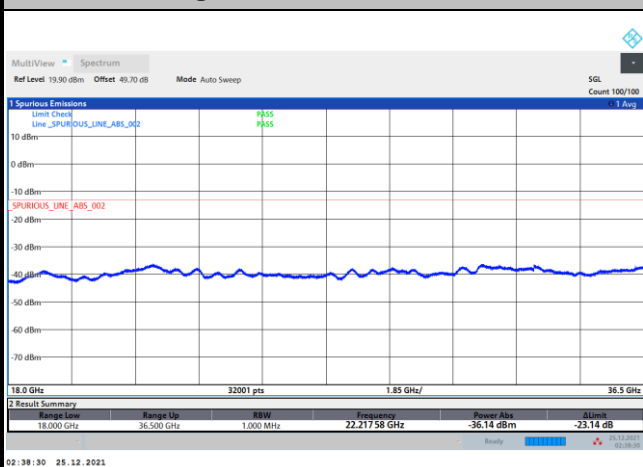
Middle Channel / 50MHz



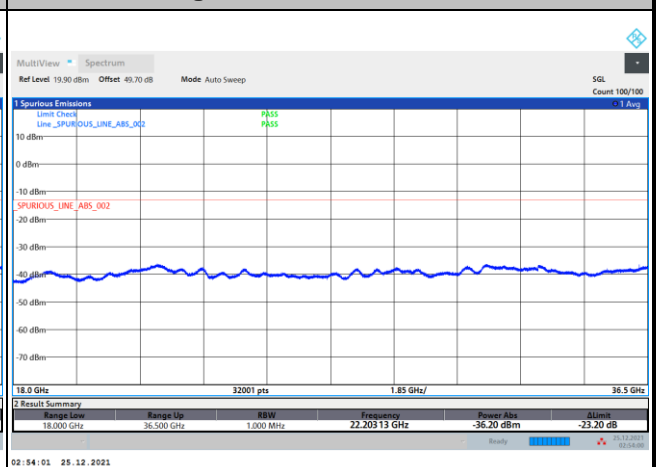
Middle Channel / 100MHz



Highest Channel / 50MHz



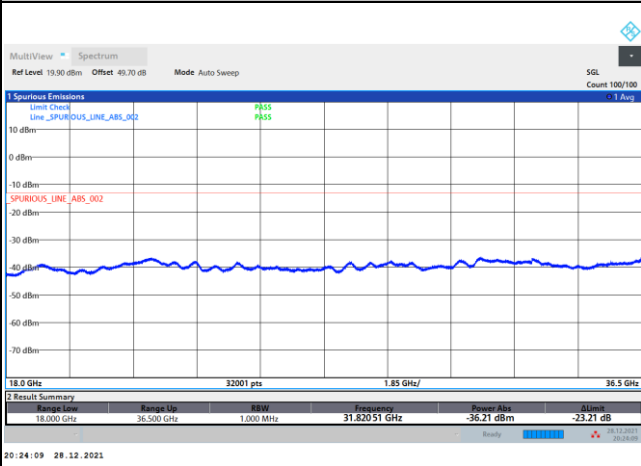
Highest Channel / 100MHz





NR Band n260 QPSK (18-40GHz)

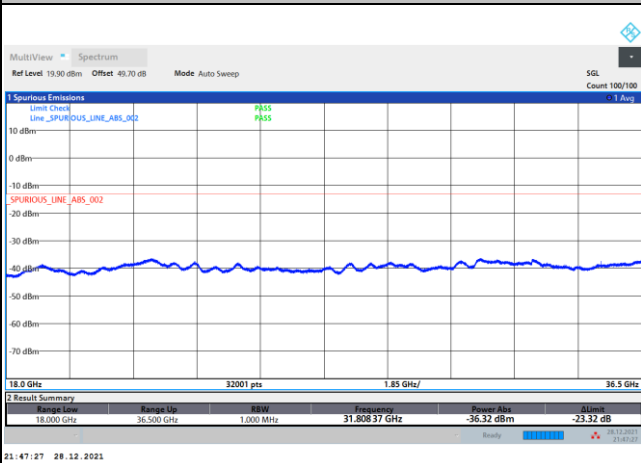
Lowest Channel / 200MHz



Middle Channel / 200MHz



Highest Channel / 200MHz

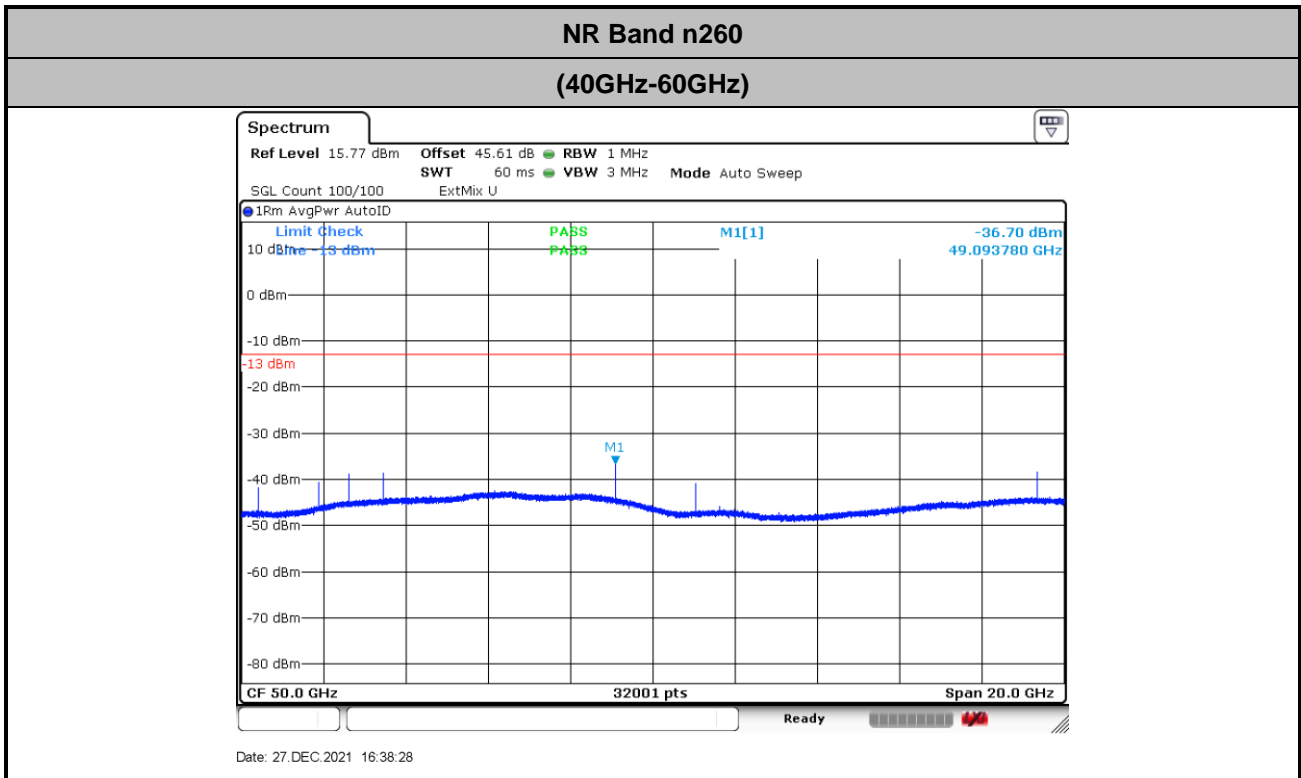


Remark: Above plots, the spurious emissions were measured from 18GHz to 36.5GHz. The test results within the omitted frequency 36.5GHz to 40GHz were measured and reported in the section of Radiated Out of Band Emission with frequency range, 36.5GHz to 40.5GHz and all spurious comply with limits.



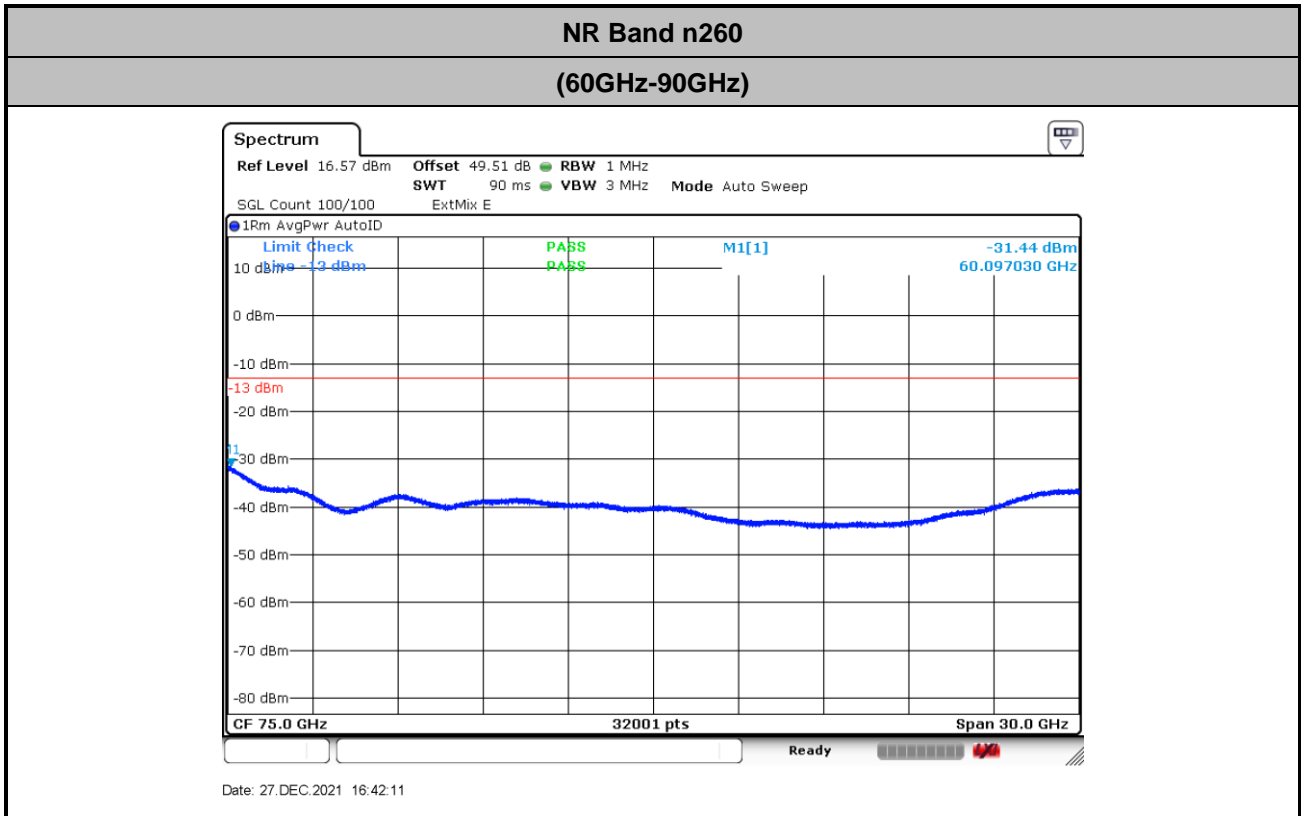


There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



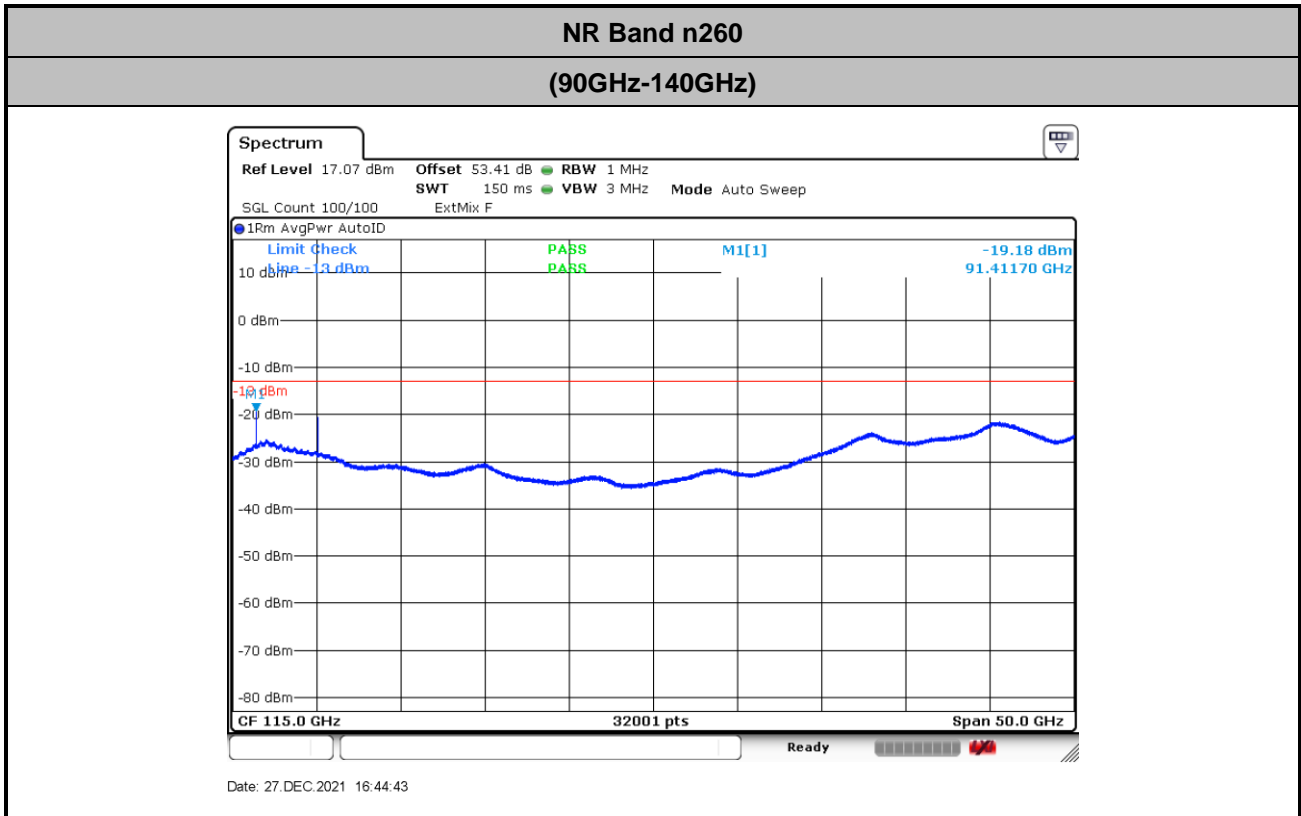
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 43 + 0.41 + 107 + 20\log(1) - 104.8 = 45.61 \text{ (dB)}$$



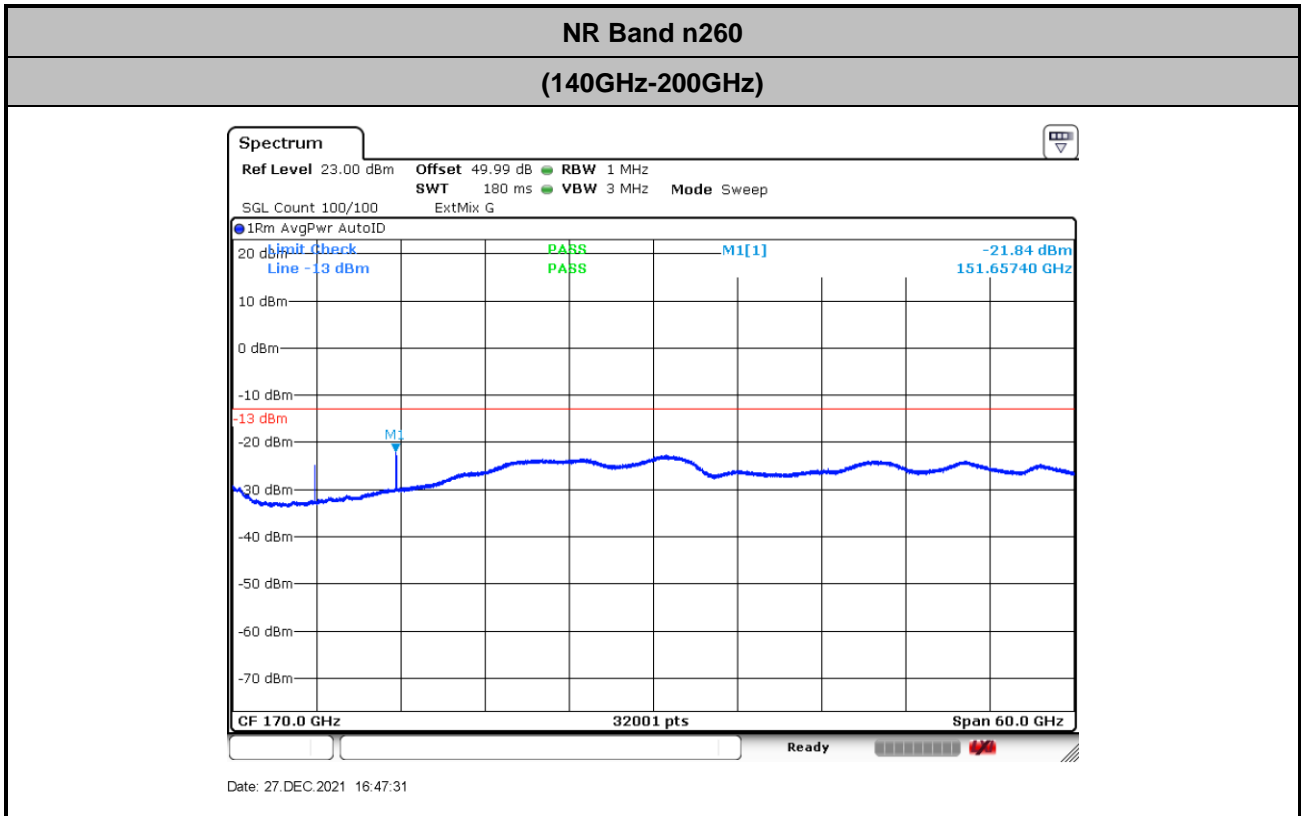
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 46.9 + 0.41 + 107 + 20\log(1) - 104.8 = 49.51 \text{ (dB)}$$



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

$$= 50.8 + 0.41 + 107 + 20\log(1) - 104.8 = 53.41 \text{ (dB)}$$



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

$$= 53.4 + 0.41 + 107 + 20\log(0.5) - 104.8 = 49.99 \text{ (dB)}$$



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	38.5002807	-282.700	7.343	Pass
40	Normal Voltage	38.5001628	-164.800	4.281	
30	Normal Voltage	38.5000619	-63.900	1.660	
20(Ref.)	Normal Voltage	38.499998	0.000	0.000	
10	Normal Voltage	38.499978	20.000	0.519	
0	Normal Voltage	38.49995	48.000	1.247	
-10	Normal Voltage	38.4999011	96.900	2.517	
-20	Normal Voltage	38.4998322	165.800	4.306	
-30	Normal Voltage	38.4997742	223.800	5.813	
20	Maximum Voltage	38.500035	-37.000	0.961	
20	Normal Voltage	38.500014	-16.000	0.416	
20	Battery End Point	38.499976	22.000	0.571	

Note: The frequency fundamental emissions stay within the operation band.



# NR Band n261 Module 0 AG0

## Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.75	45.72	45.82	91.29	91.22	91.24
Middle CH	46.13	45.80	45.71	91.40	90.96	91.04
Highest CH	45.92	45.73	45.74	91.64	91.44	91.18

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)					
BW	200MHz					
Mod.	QPSK	16QAM	64QAM			
Lowest CH	190.67	190.90	190.63			
Middle CH	189.67	190.17	189.60			
Highest CH	189.74	189.88	189.93			

Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)	
BW	50MHz	100MHz
Mod.	QPSK	QPSK
Lowest CH	45.84	93.99
Middle CH	45.92	94.36
Highest CH	46.05	94.12

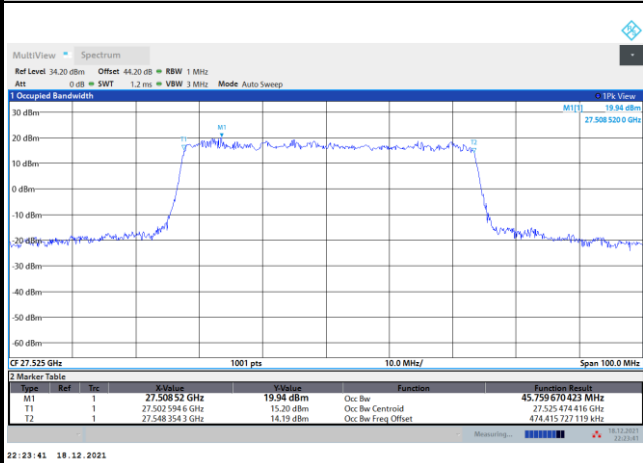
Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)	
BW	200MHz	
Mod.	QPSK	
Lowest CH	193.08	
Middle CH	192.63	
Highest CH	192.90	



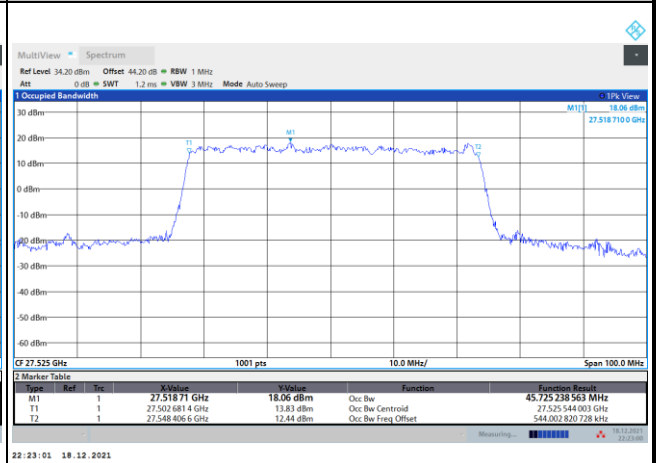
DFT-s-OFDM Module 0

NR Band n261

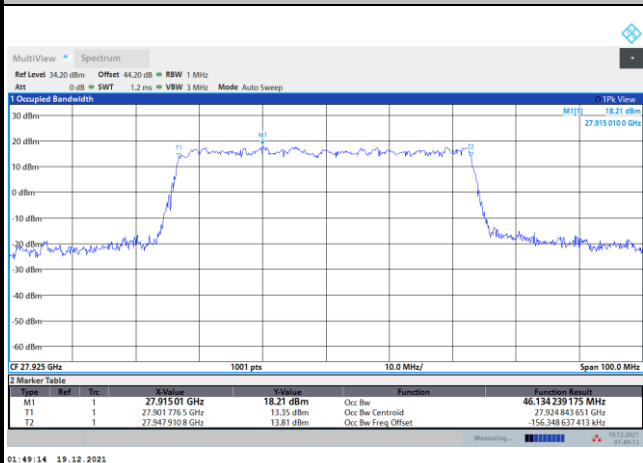
Lowest Channel / 50MHz / QPSK



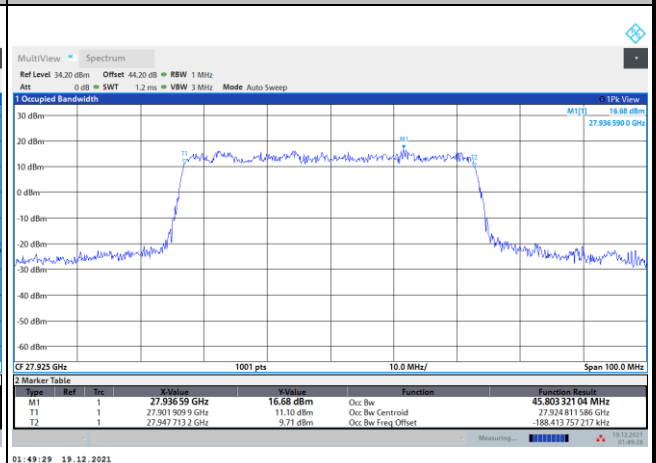
Lowest Channel / 50MHz / 16QAM



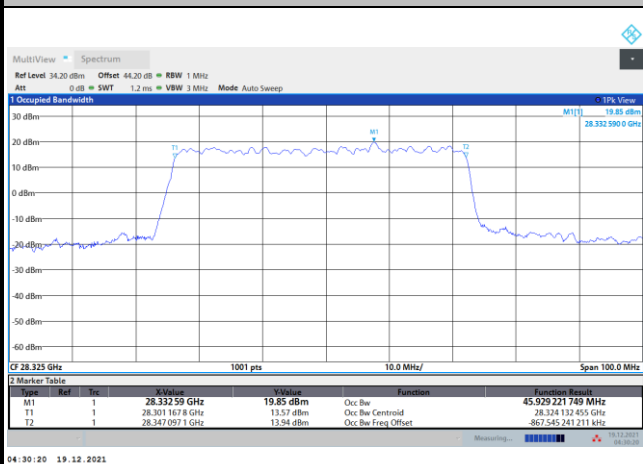
Middle Channel / 50MHz / QPSK



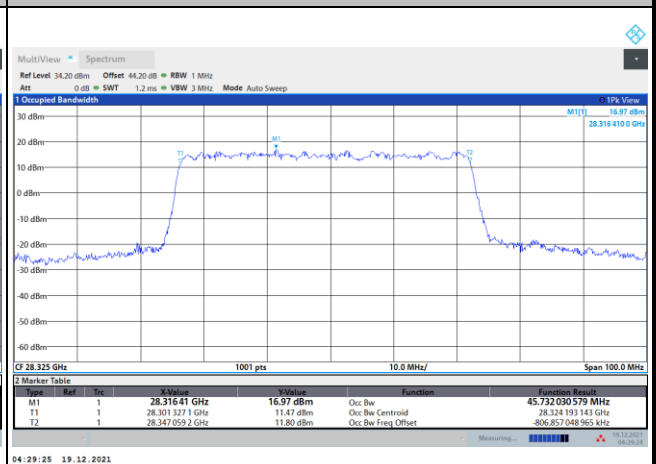
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

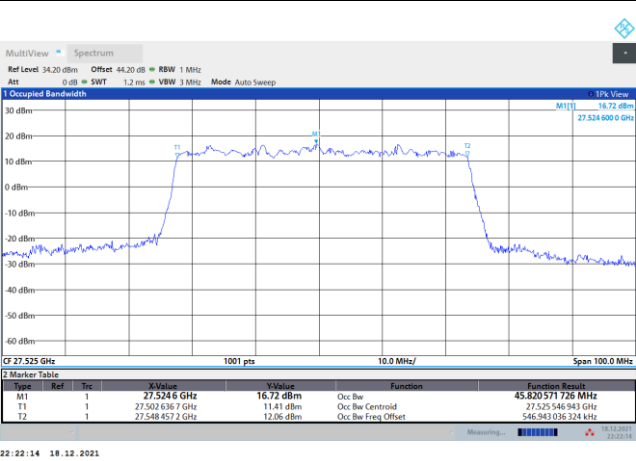




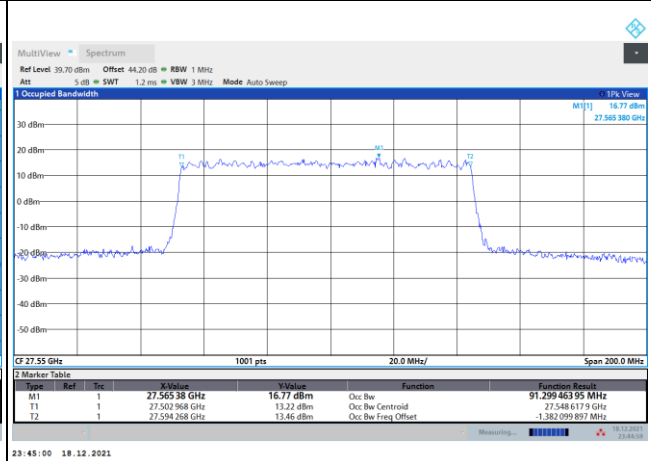
DFT-s-OFDM Module 0

NR Band n261

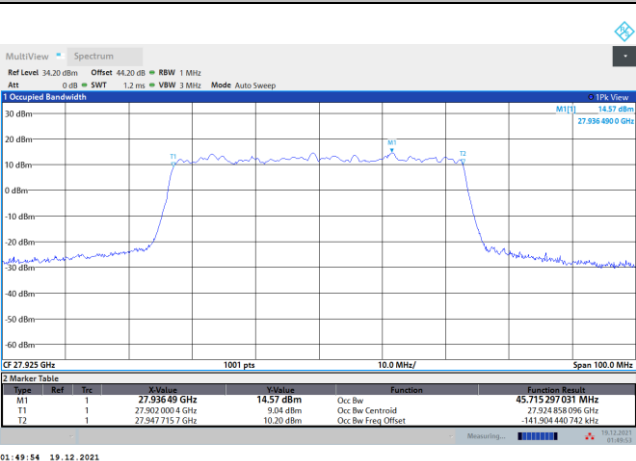
Lowest Channel / 50MHz / 64QAM



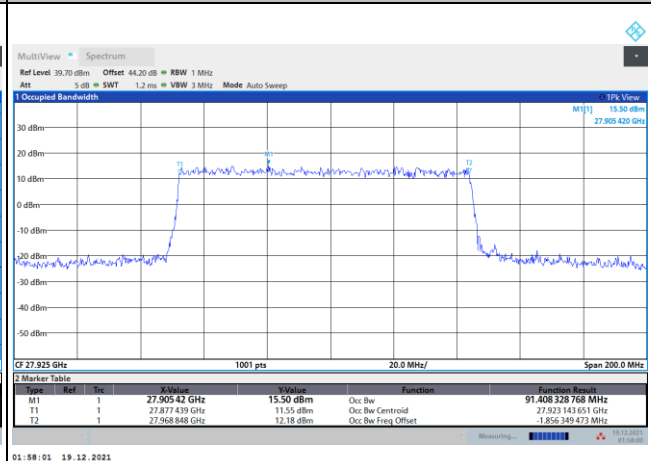
Lowest Channel / 100MHz / QPSK



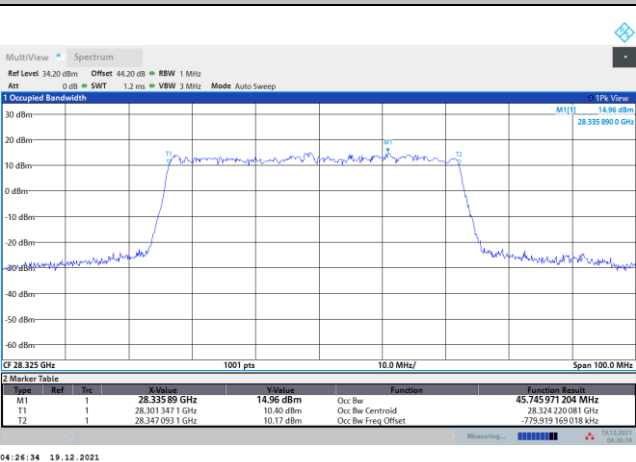
Middle Channel / 50MHz / 64QAM



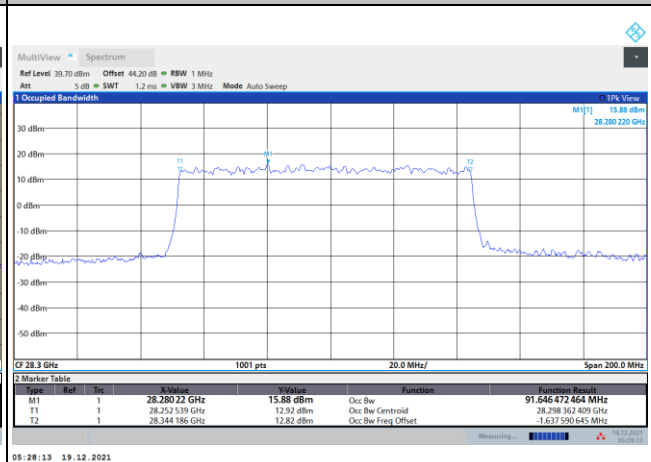
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK



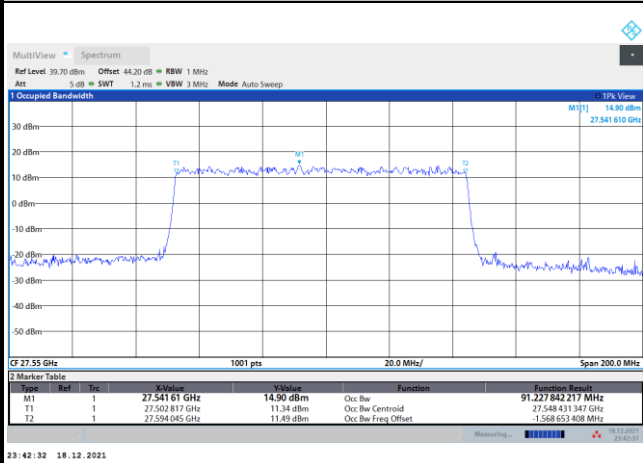




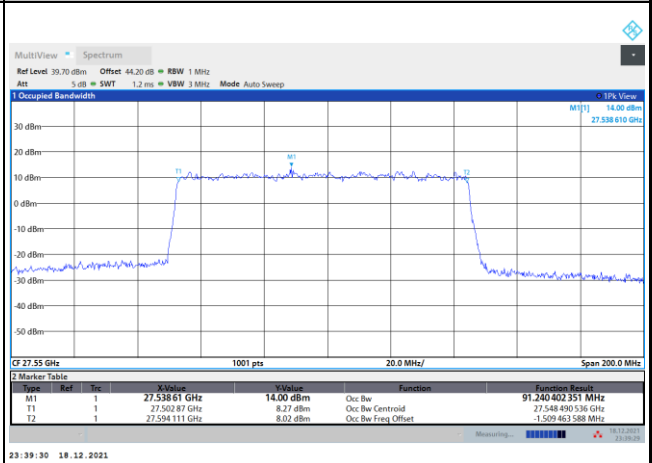
DFT-s-OFDM Module 0

NR Band n261

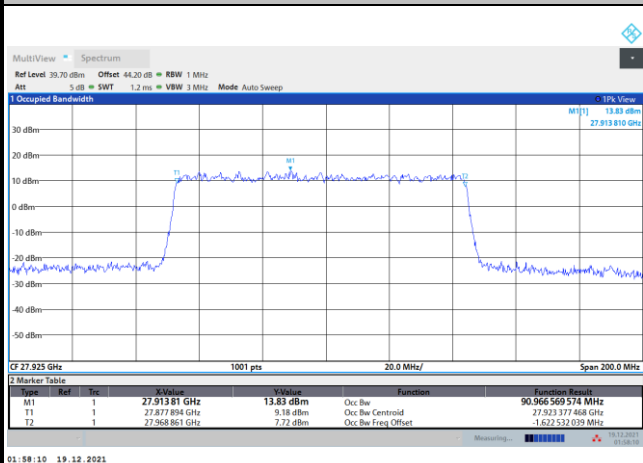
Lowest Channel / 100MHz / 16QAM



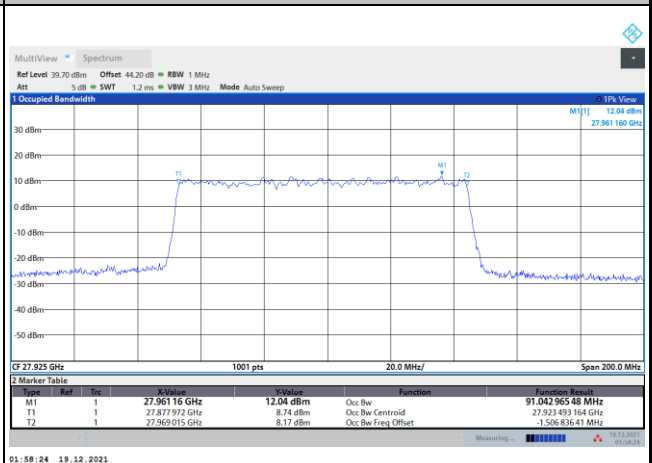
Lowest Channel / 100MHz / 64QAM



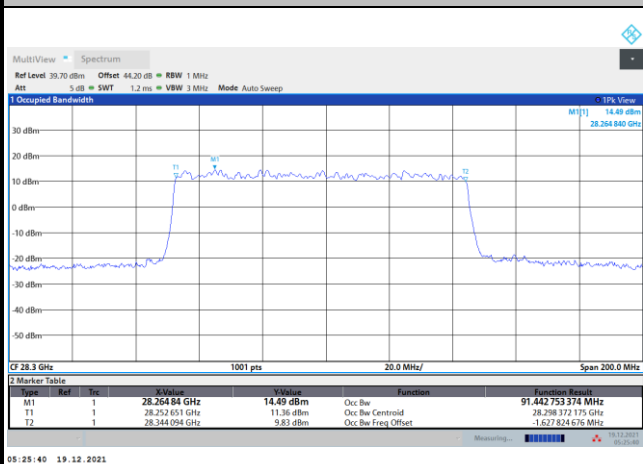
Middle Channel / 100MHz / 16QAM



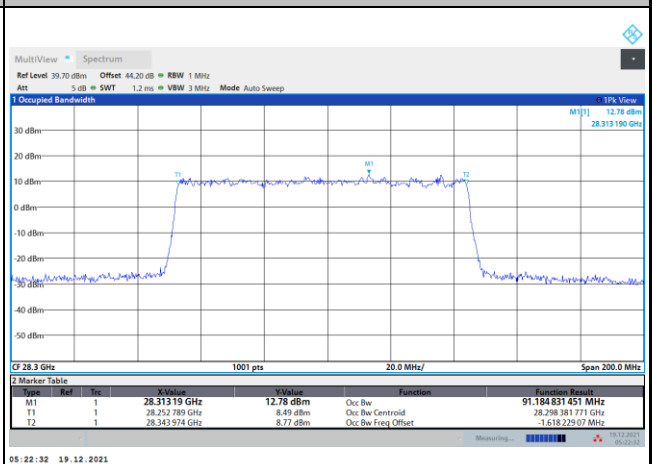
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

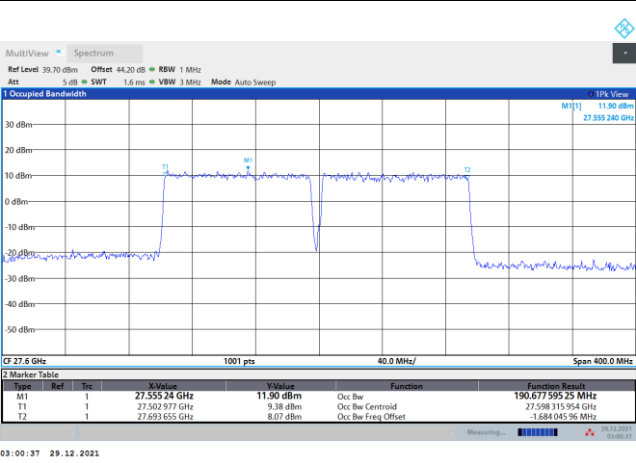




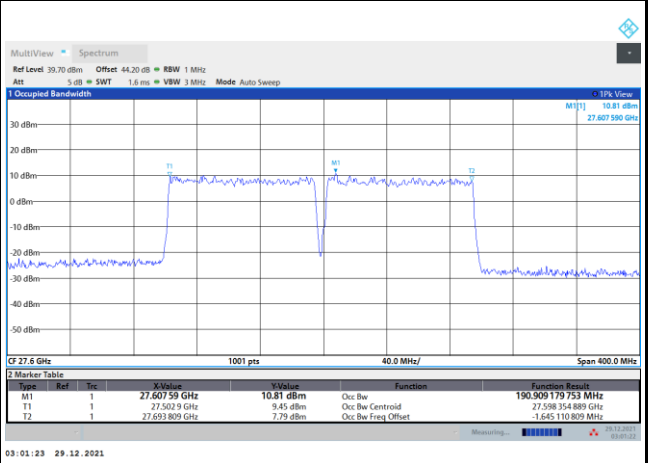
DFT-s-OFDM Module 0

NR Band n261

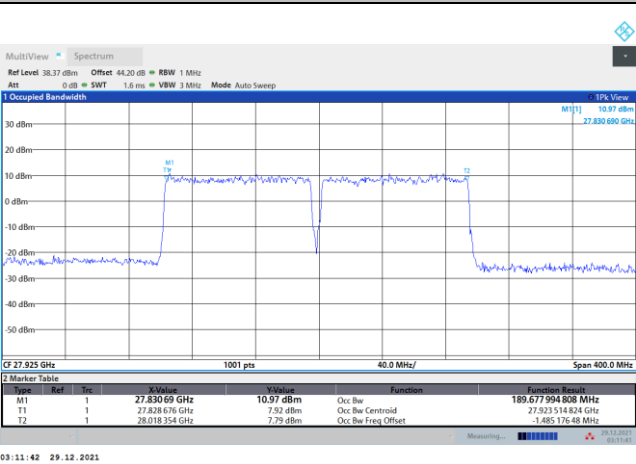
Lowest Channel / 200MHz / QPSK



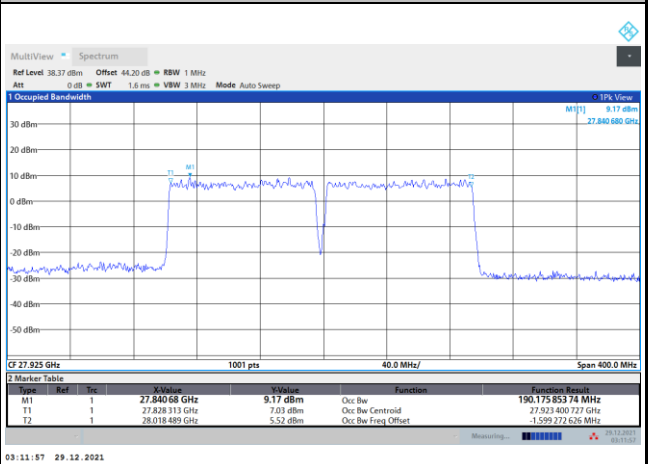
Lowest Channel / 200MHz / 16QAM



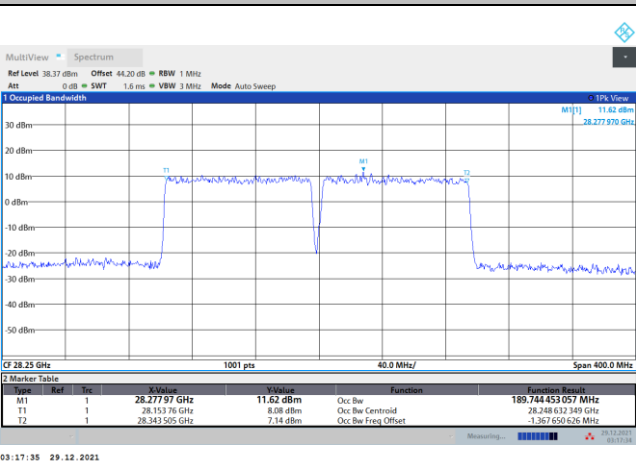
Middle Channel / 200MHz / QPSK



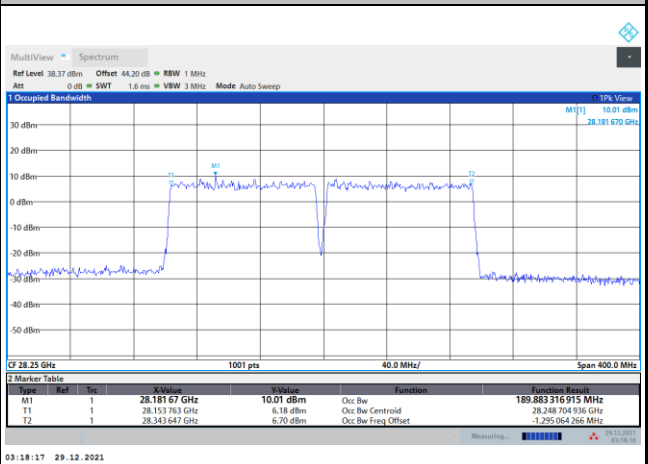
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

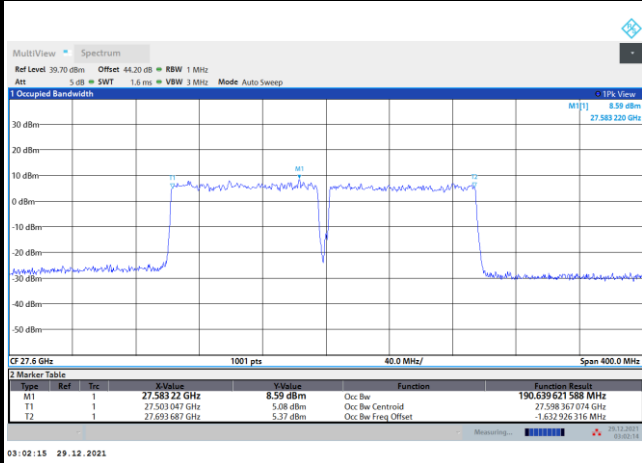




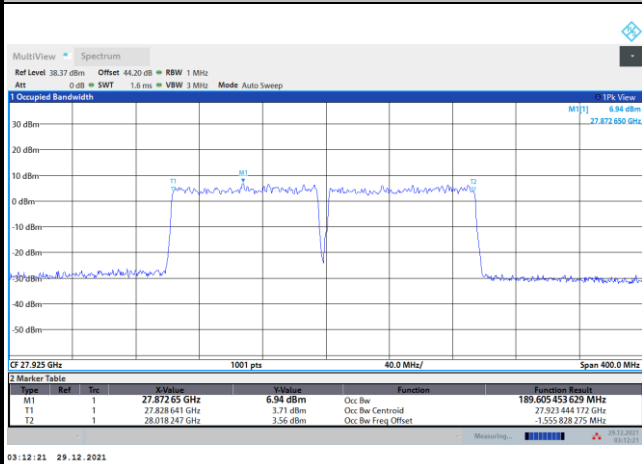
DFT-s-OFDM Module 0

NR Band n261

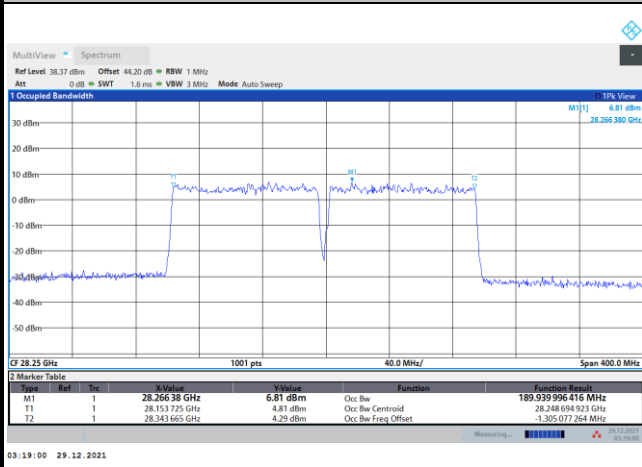
Lowest Channel / 200MHz / 64QAM



Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 64QAM

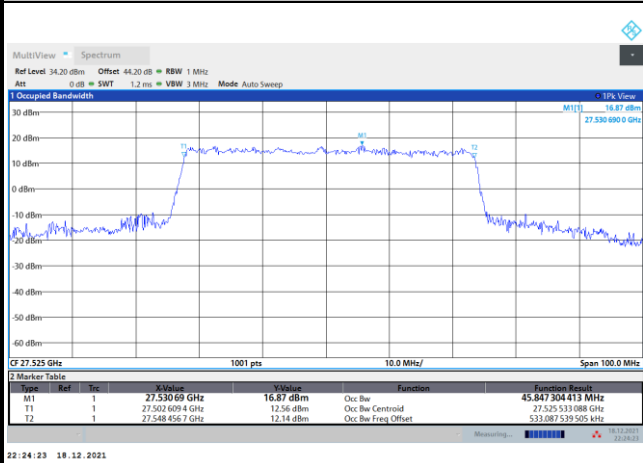




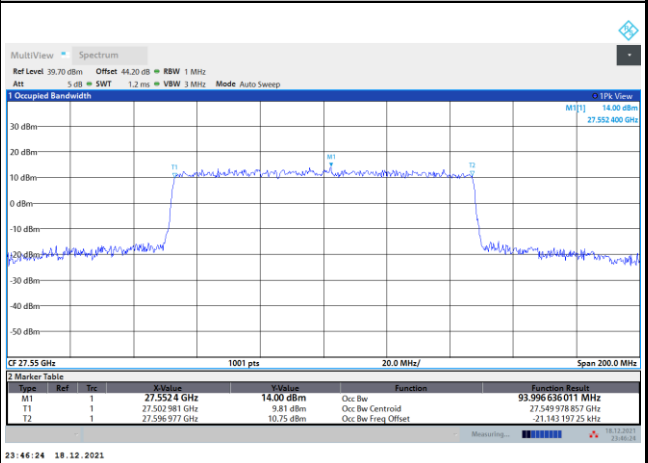
CP-OFDM Module 0

NR Band n261

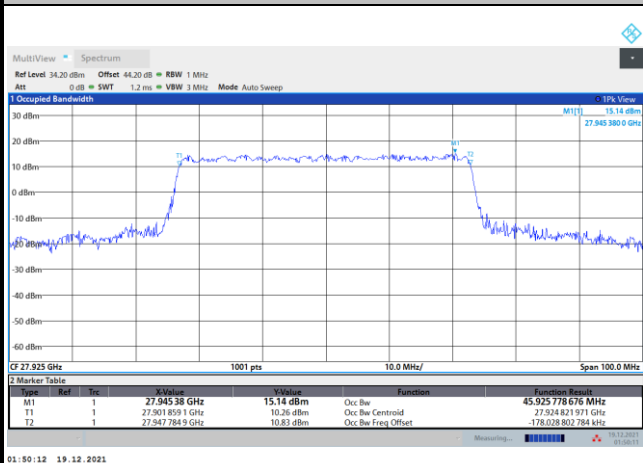
Lowest Channel / 50MHz / QPSK



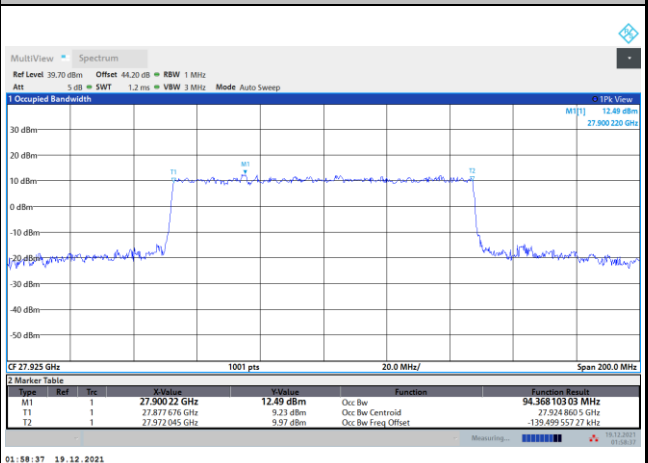
Lowest Channel / 100MHz / QPSK



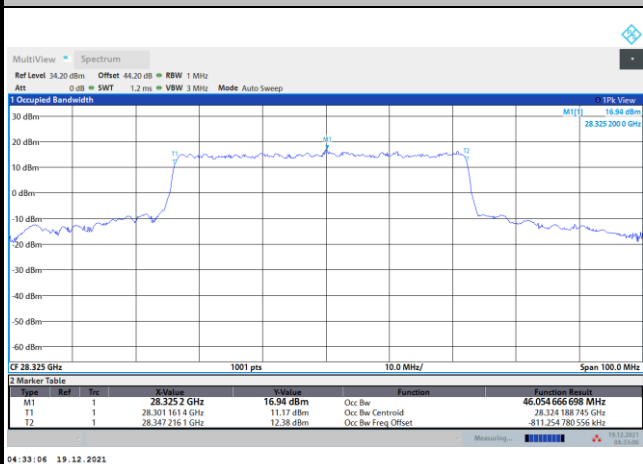
Middle Channel / 50MHz / QPSK



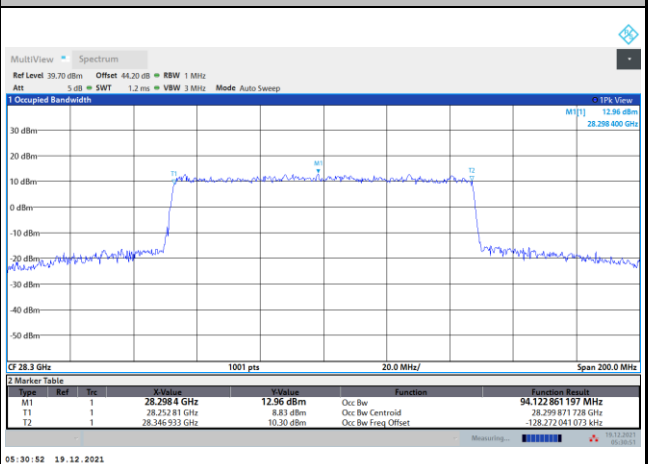
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

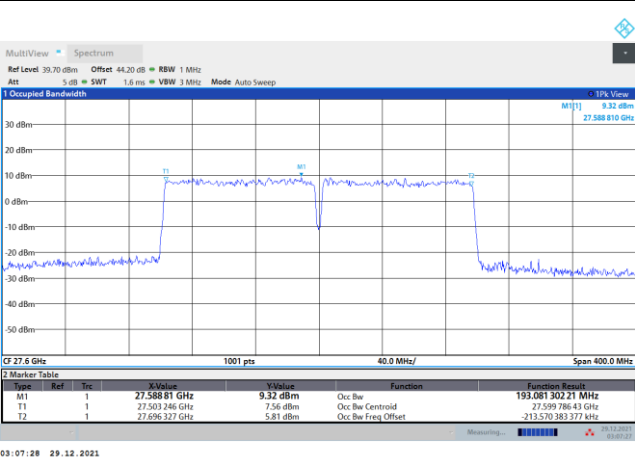




CP-OFDM Module 0

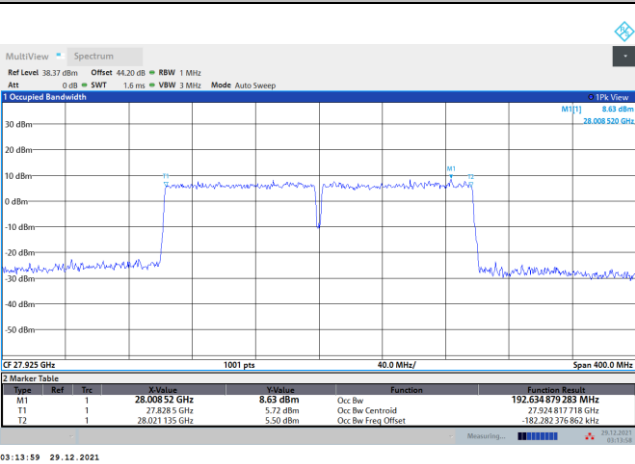
NR Band n261

Lowest Channel / 200MHz / QPSK



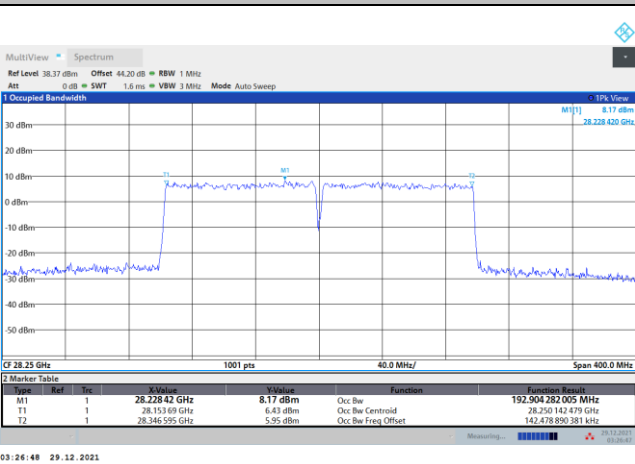
03:07:28 29.12.2021

Middle Channel / 200MHz / QPSK



03:13:59 29.12.2021

Highest Channel / 200MHz / QPSK



03:26:48 29.12.2021



**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-13.81	-14.66	-17.31	-8.26	-10.81	-13.91
	>10%OB	≤-13	-24.91	-26.34	-28.60	-30.49	-32.67	-33.67
High CH	0~10%OB	≤-5	-17.51	-18.86	-20.03	-13.38	-13.53	-15.48
	>10%OB	≤-13	-28.47	-30.35	-32.04	-32.28	-33.26	-34.34
Result			Compliance					
Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB					
BW			200MHz					
Limit (dBm)			QPSK	16QAM	64QAM			
Low CH	0~10%OB	≤-5	-15.45	-16.62	-18.74			
	>10%OB	≤-13	-18.62	-19.51	-20.90			
High CH	0~10%OB	≤-5	-21.35	-22.03	-21.37			
	>10%OB	≤-13	-25.44	-25.95	-27.64			
Result			Compliance					

Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK			QPSK		
Low CH	0~10%OB	≤-5	-15.25			-13.05		
	>10%OB	≤-13	-26.95			-31.79		
High CH	0~10%OB	≤-5	-17.84			-14.55		
	>10%OB	≤-13	-30.29			-33.47		
Result			Compliance					
Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) 1 RB					
BW			200MHz					
Limit (dBm)			QPSK					
Low CH	0~10%OB	≤-5	-18.29					
	>10%OB	≤-13	-18.20					
High CH	0~10%OB	≤-5	-21.95					
	>10%OB	≤-13	-24.13					
Result			Compliance					



Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-23.35	-25.91	-28.41	-24.59	-25.38	-28.54
	>10%OB	≤-13	-25.76	-27.80	-30.63	-27.55	-29.22	-31.83
High CH	0~10%OB	≤-5	-22.55	-26.57	-29.81	-25.80	-28.71	-33.57
	>10%OB	≤-13	-25.08	-29.22	-33.87	-27.77	-30.57	-35.55
Result			Compliance					
Mode			DFT-s-OFDM Module 0 NR Band n261 : BE (dBm) Full RB					
BW			200MHz					
Limit (dBm)			QPSK	16QAM	64QAM			
Low CH	0~10%OB	≤-5	-27.83	-30.72	-32.88			
	>10%OB	≤-13	-28.60	-32.45	-36.10			
High CH	0~10%OB	≤-5	-32.95	-36.99	-39.44			
	>10%OB	≤-13	-33.90	-38.10	-40.66			
Result			Compliance					

Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK			QPSK		
Low CH	0~10%OB	≤-5	-22.88			-24.08		
	>10%OB	≤-13	-23.62			-26.16		
High CH	0~10%OB	≤-5	-20.54			-24.88		
	>10%OB	≤-13	-24.52			-26.77		
Result			Compliance					
Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) Full RB					
BW			200MHz					
Limit (dBm)			QPSK					
Low CH	0~10%OB	≤-5	-29.46					
	>10%OB	≤-13	-31.72					
High CH	0~10%OB	≤-5	-34.66					
	>10%OB	≤-13	-37.13					
Result			Compliance					

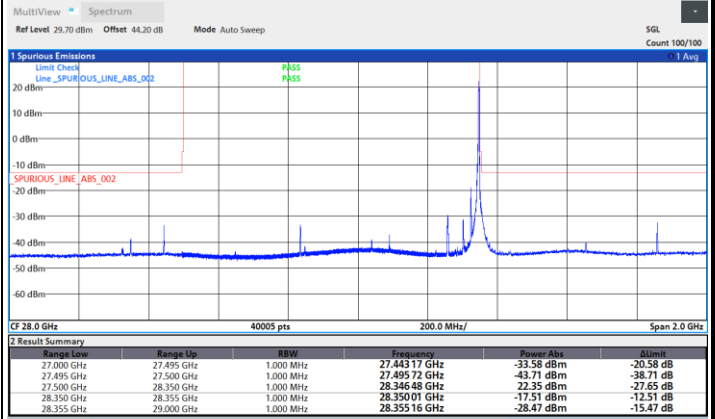
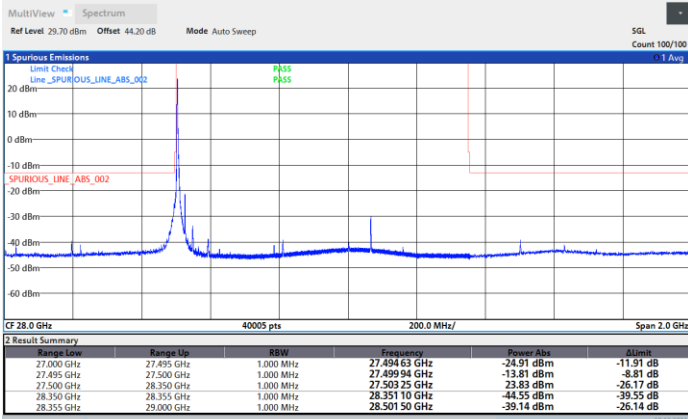


DFT-s-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

