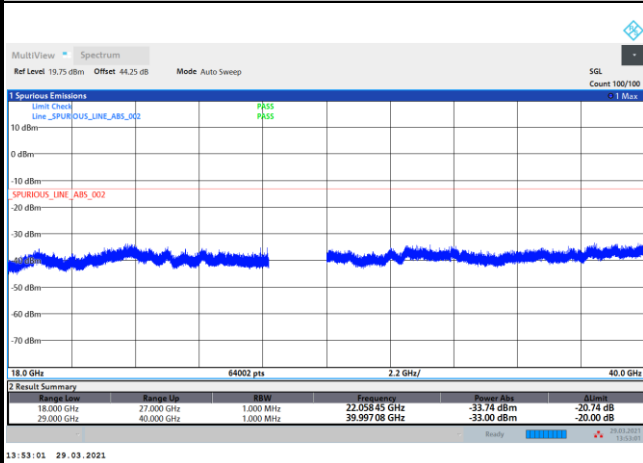




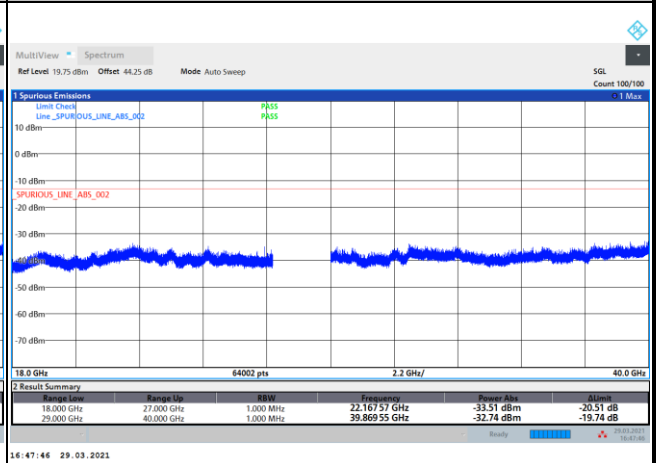
DFT-s-OFDM Module 1

NR Band n261 QPSK (18-40GHz)

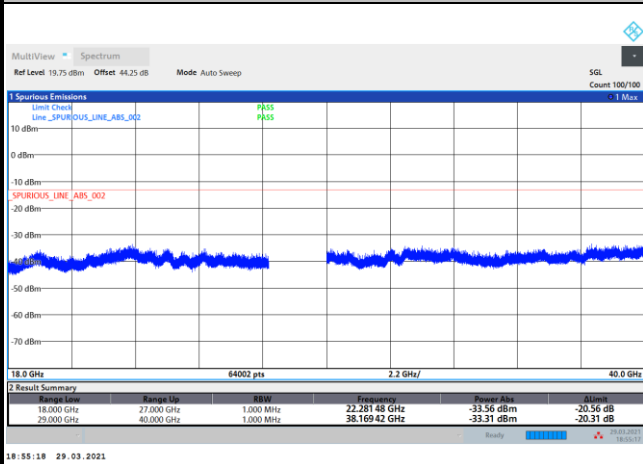
Lowest Channel / 50MHz



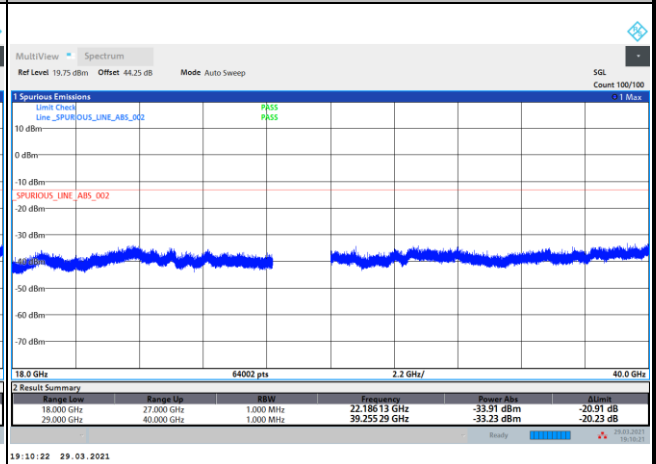
Lowest Channel / 100MHz



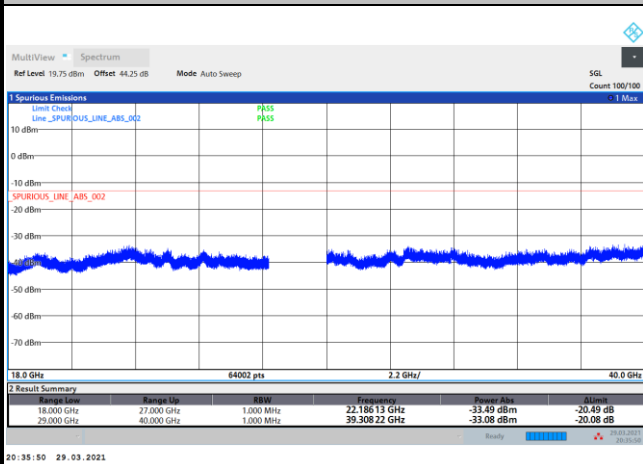
Middle Channel / 50MHz



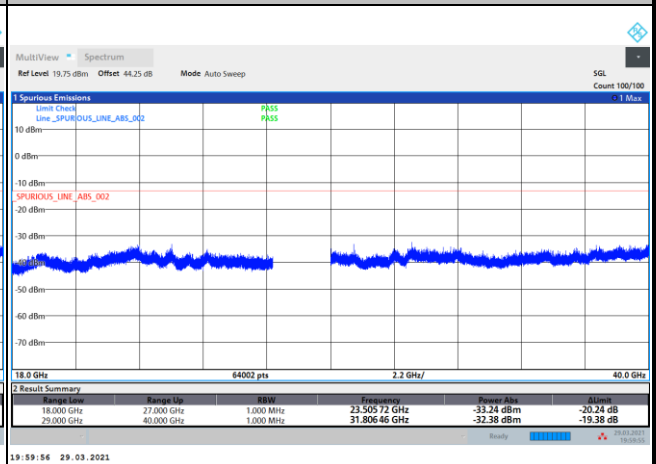
Middle Channel / 100MHz



Highest Channel / 50MHz

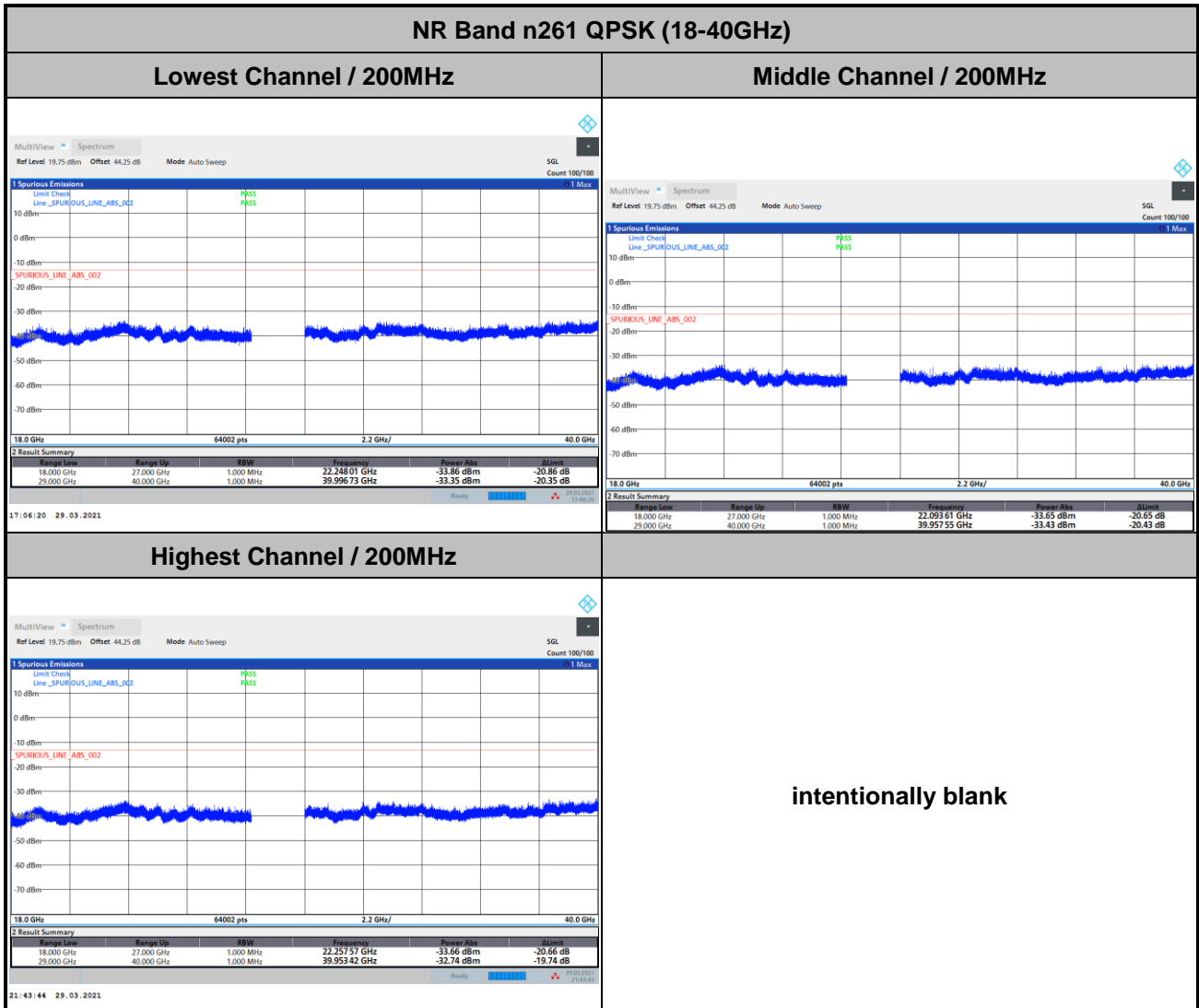


Highest Channel / 100MHz





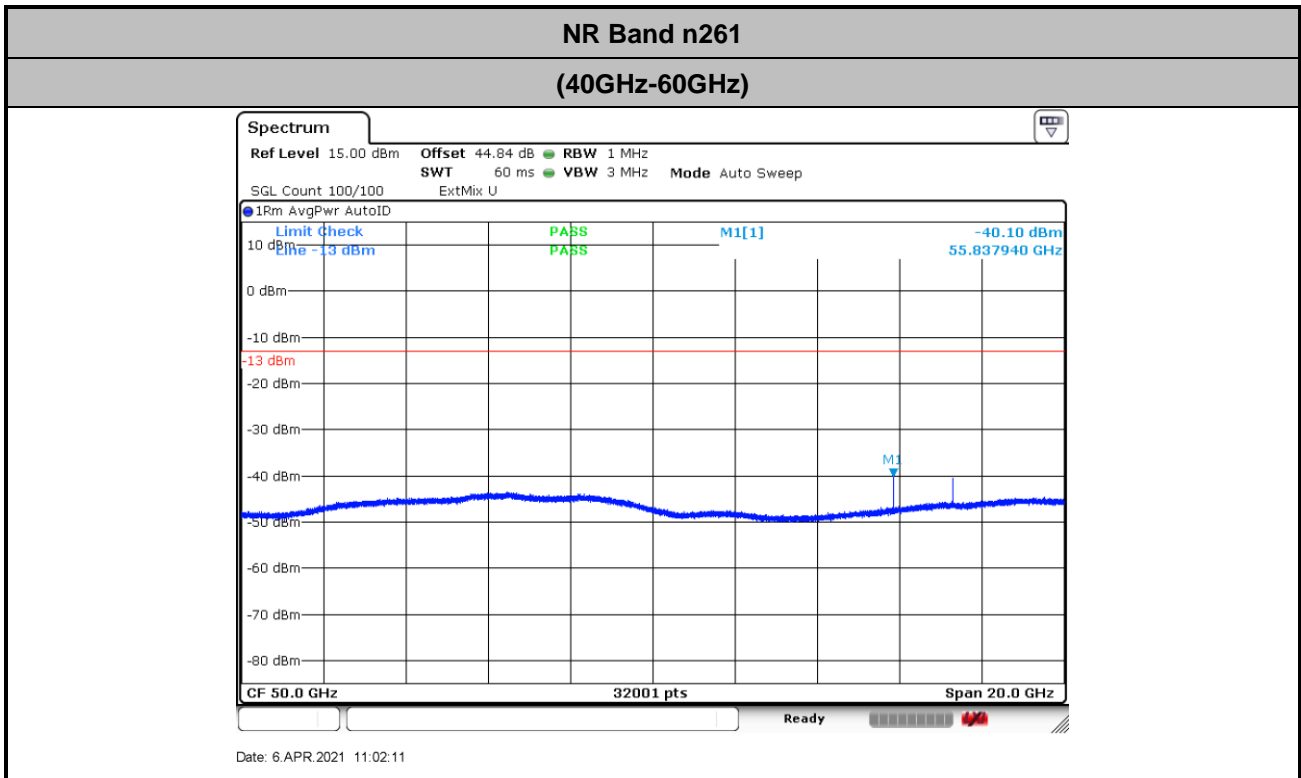
DFT-s-OFDM Module 1



Remark: Above 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.

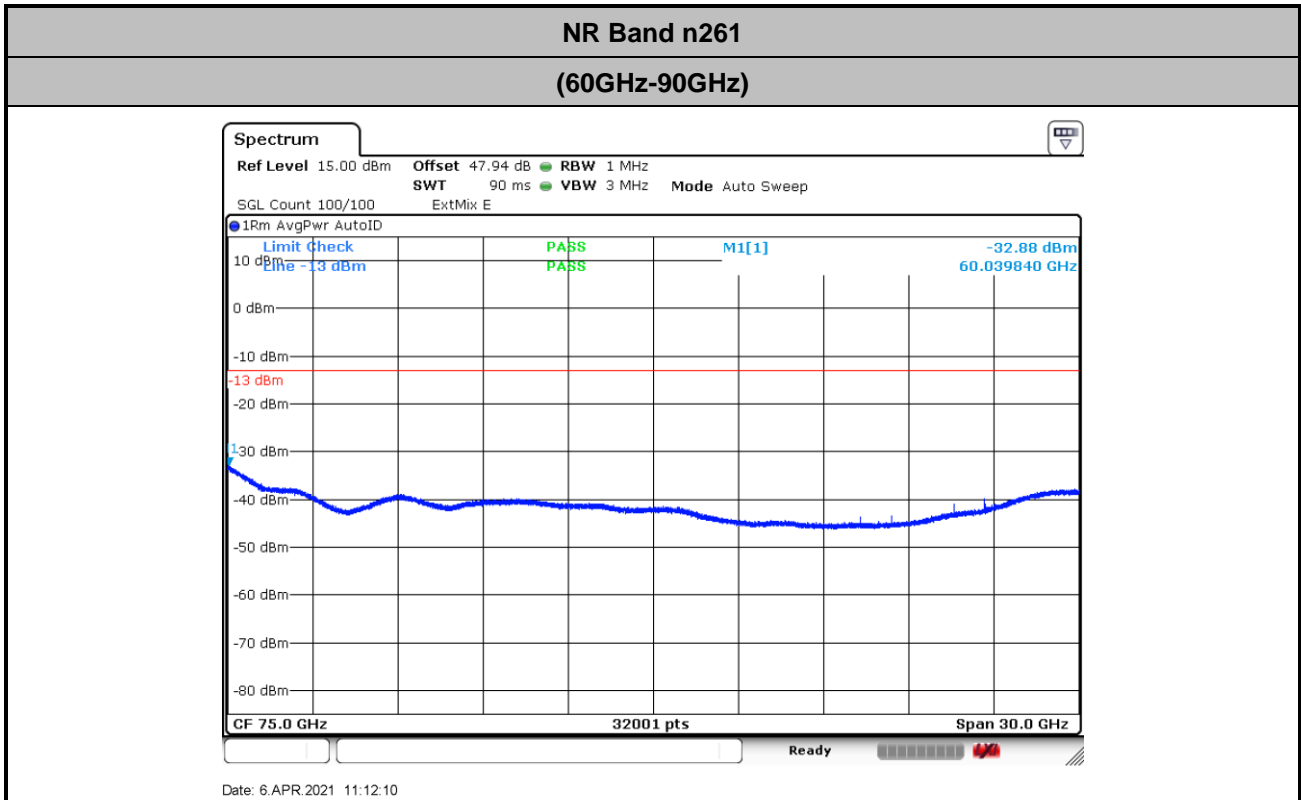


There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



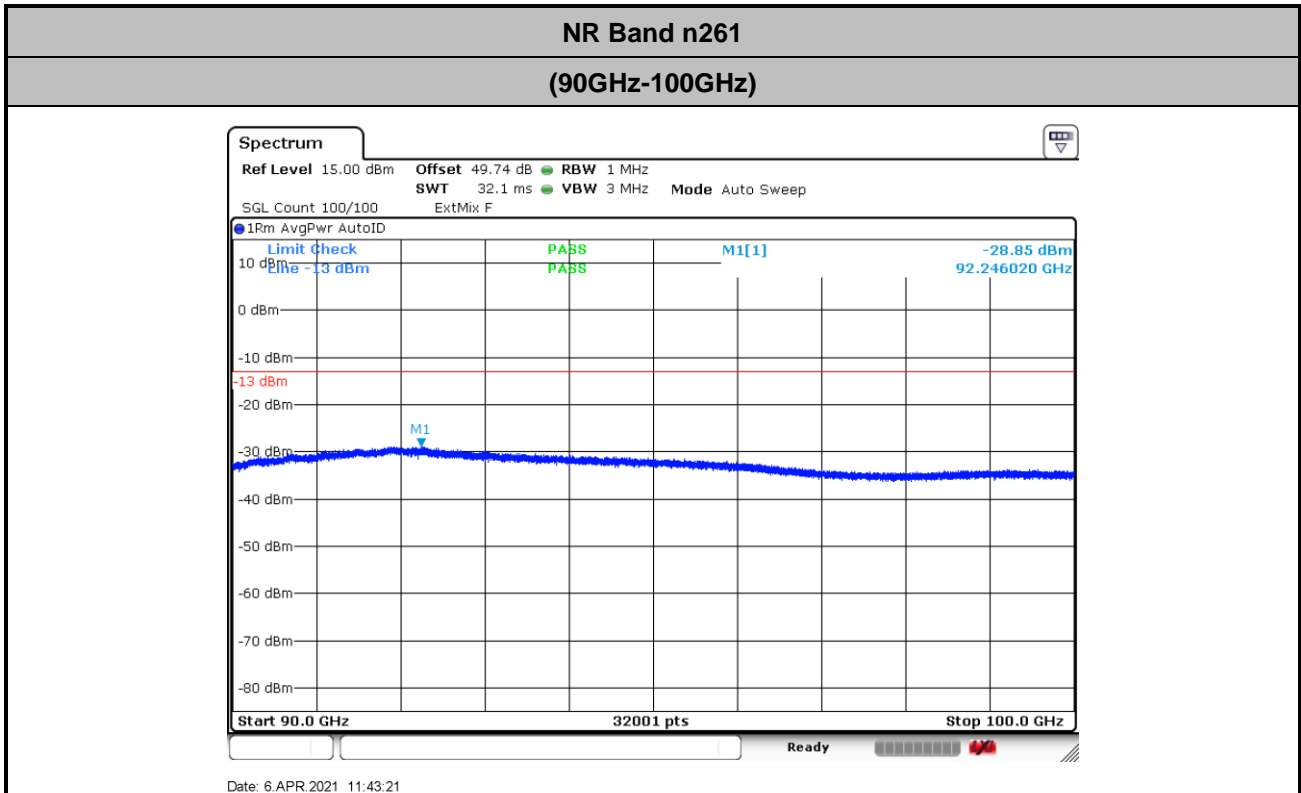
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 42.3 + 0.34 + 107 + 20\log(1) - 104.8 = 44.84 \text{ (dB)}$$



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

$$= 45.4 + 0.34 + 107 + 20\log(1) - 104.8 = 47.94 \text{ (dB)}$$



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

$$= 47.2 + 0.34 + 107 + 20\log(1) - 104.8 = 49.74 \text{ (dB)}$$



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	27.925031	-31.000	1.110	PASS
40	Normal Voltage	27.925031	-31.000	1.110	
30	Normal Voltage	27.9250589	-58.900	2.109	
20(Ref.)	Normal Voltage	27.925	0.000	0.000	
10	Normal Voltage	27.9251678	-167.800	6.009	
0	Normal Voltage	27.9252408	-240.800	8.623	
-10	Normal Voltage	27.9253247	-324.700	11.628	
-20	Normal Voltage	27.9253566	-356.600	12.770	
-30	Normal Voltage	27.9253506	-350.600	12.555	
20	Maximum Voltage	27.925006	-6.000	0.215	
20	Normal Voltage	27.924993	7.000	0.251	
20	Battery End Point	27.924985	15.000	0.537	

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



NR Band n261 AG0+1

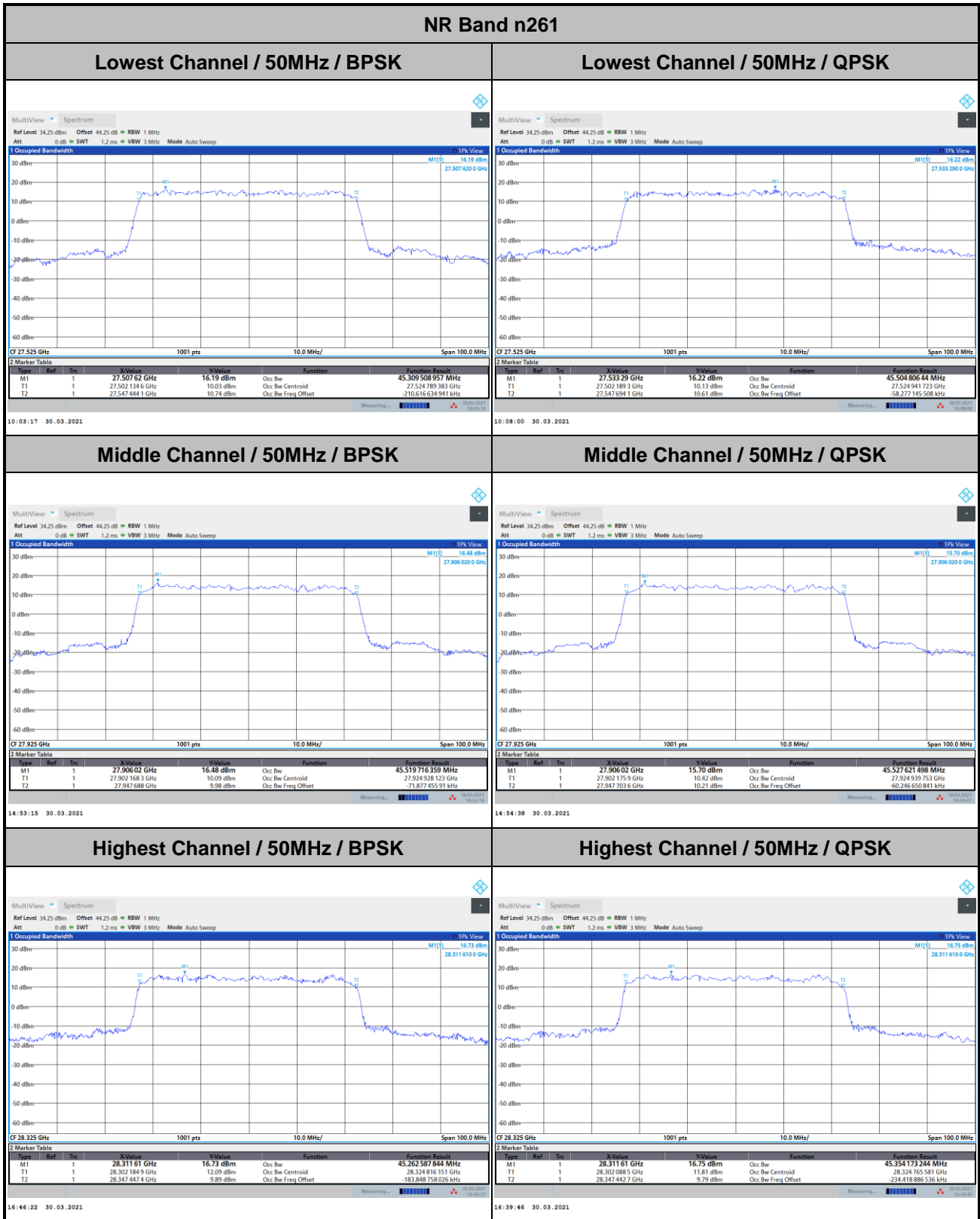
Occupied Bandwidth

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	45.30	45.50	45.30	45.26	90.42	90.46	90.45	90.34	189.41	189.50	188.94	188.73
Middle CH	45.51	45.52	45.48	45.11	90.28	90.01	90.56	90.92	188.42	188.77	188.77	189.43
Highest CH	45.26	45.35	45.35	45.10	90.11	90.14	90.56	90.54	188.53	188.45	188.42	188.67

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
Highest CH	-	-	-	92.82	92.96	92.95	-	-	-



DFT-s-OFDM Module 1

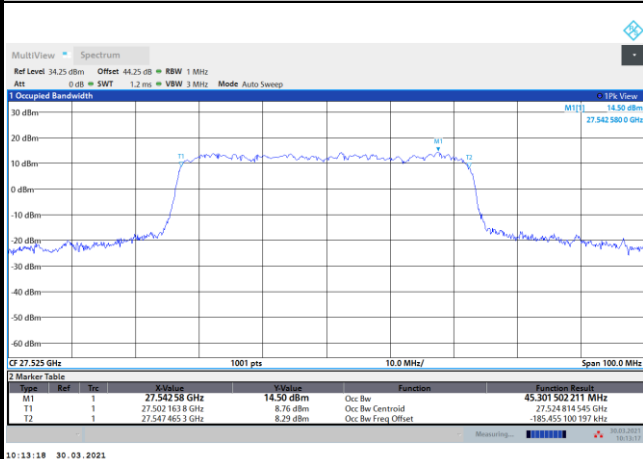




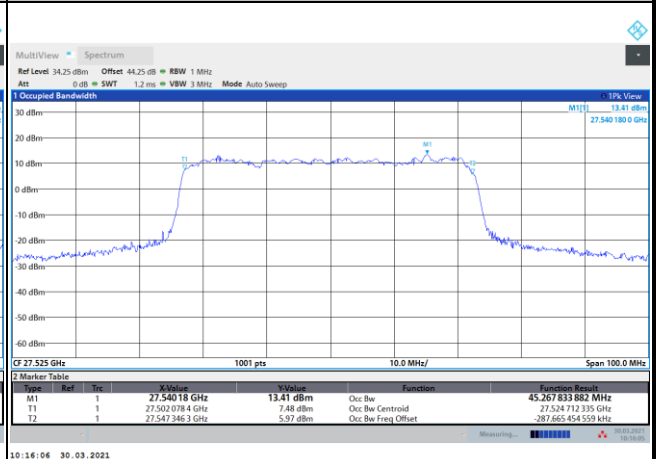
DFT-s-OFDM Module 1

NR Band n261

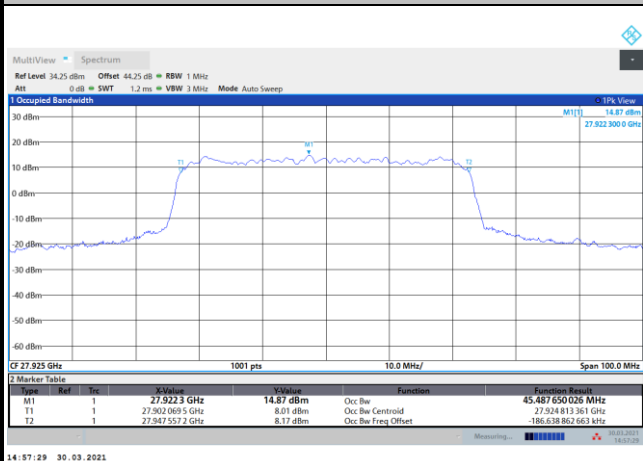
Lowest Channel / 50MHz / 16QAM



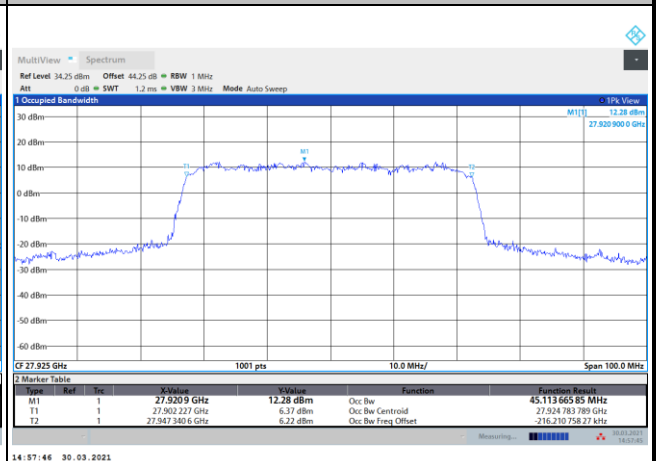
Lowest Channel / 50MHz / 64QAM



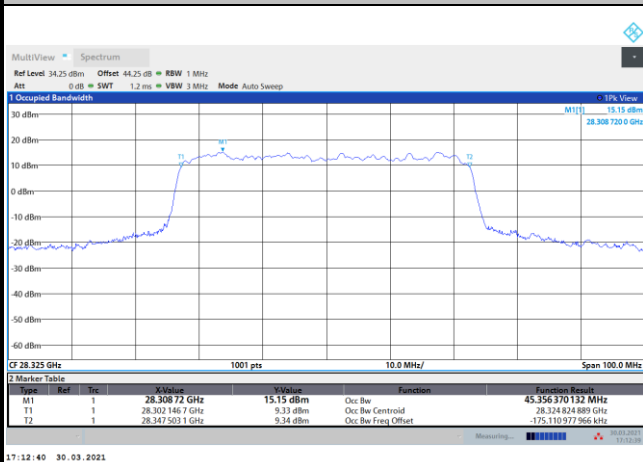
Middle Channel / 50MHz / 16QAM



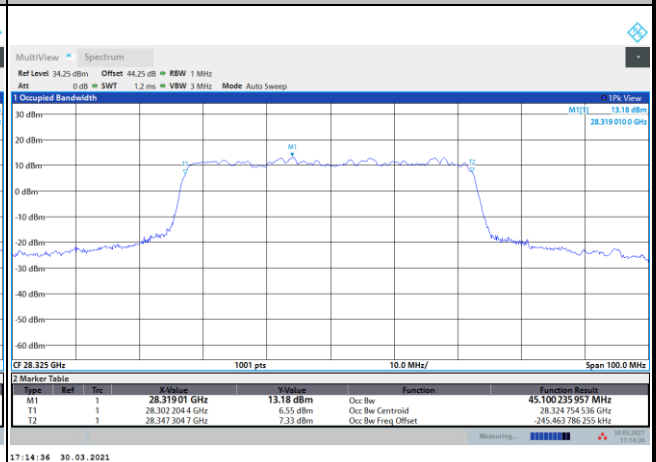
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

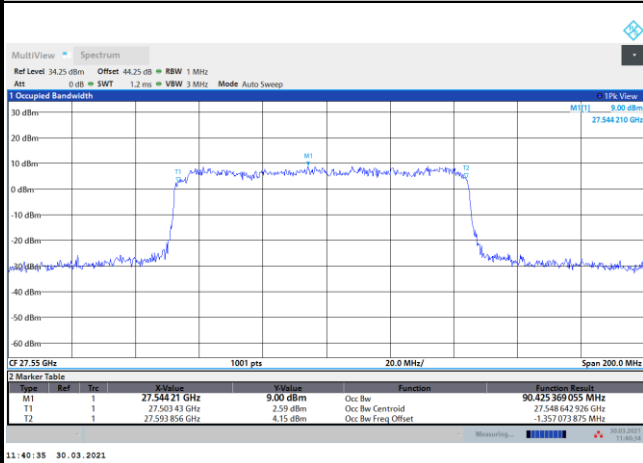




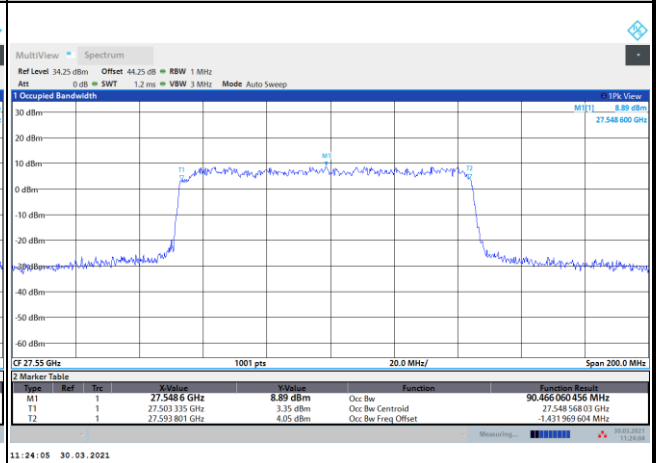
DFT-s-OFDM Module 1

NR Band n261

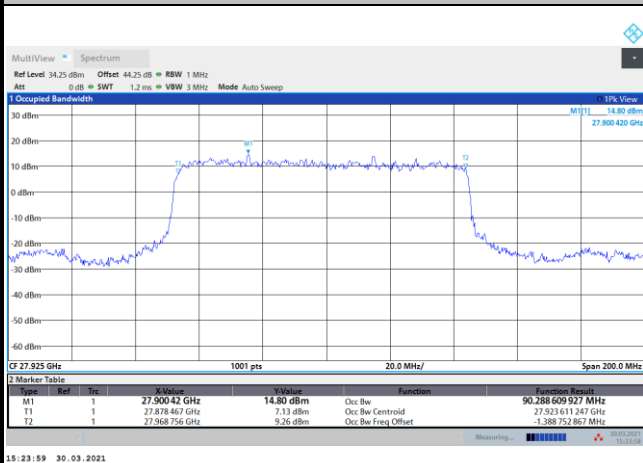
Lowest Channel / 100MHz / BPSK



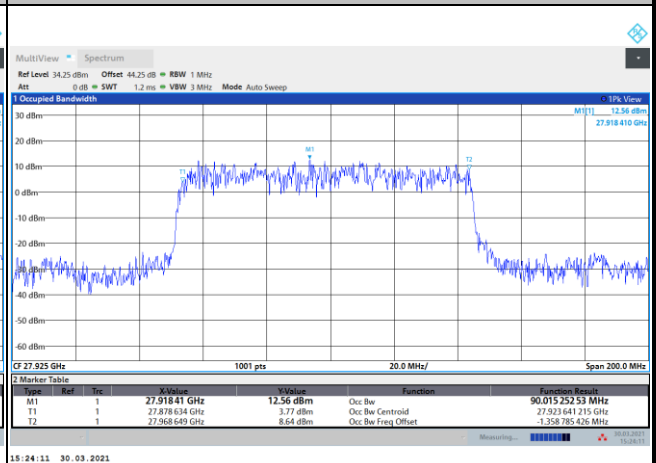
Lowest Channel / 100MHz / QPSK



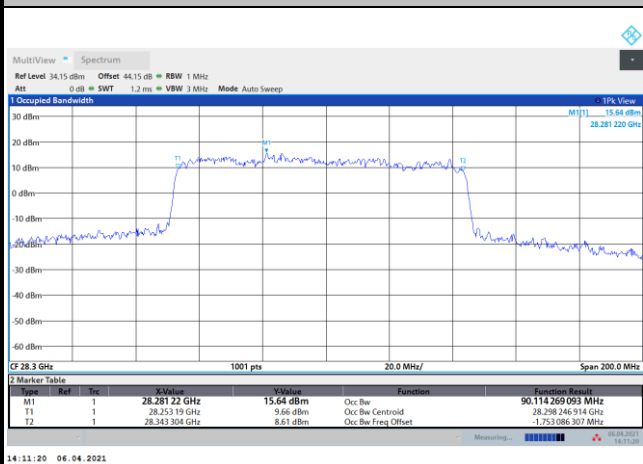
Middle Channel / 100MHz / BPSK



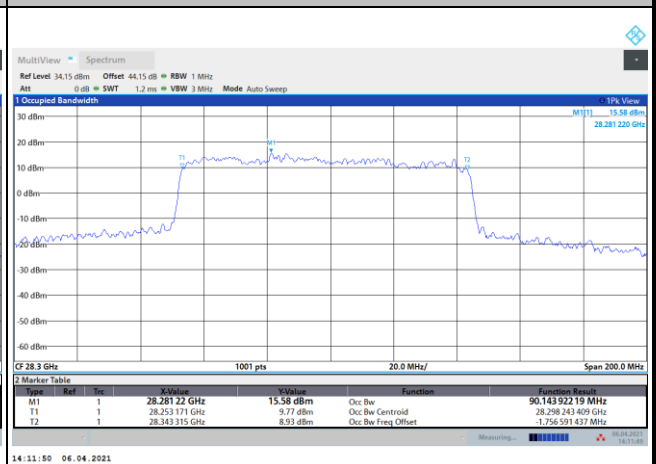
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

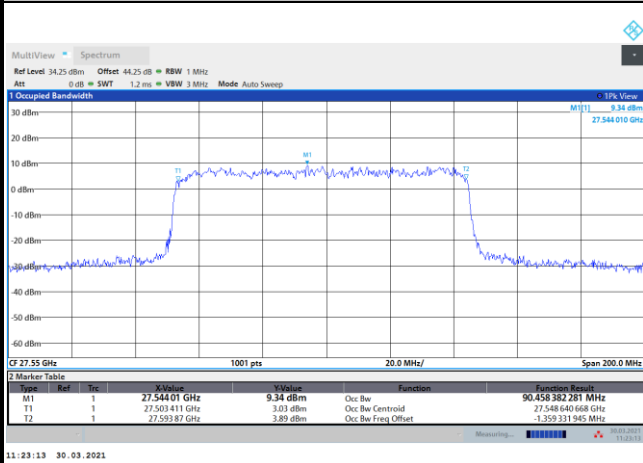




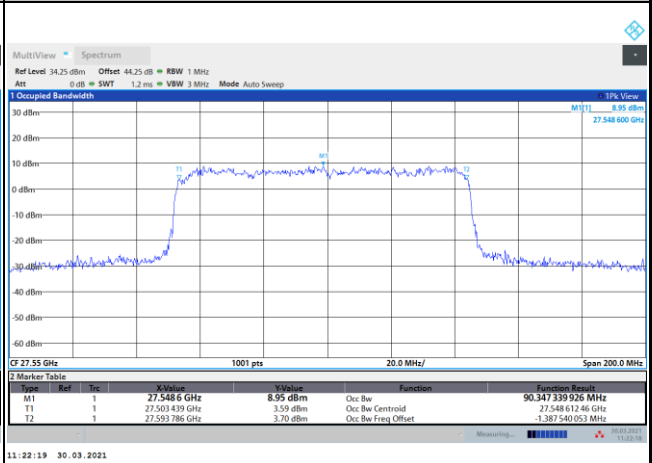
DFT-s-OFDM Module 1

NR Band n261

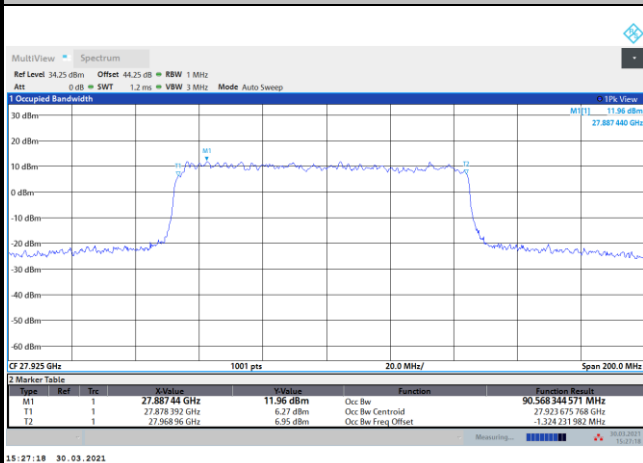
Lowest Channel / 100MHz / 16QAM



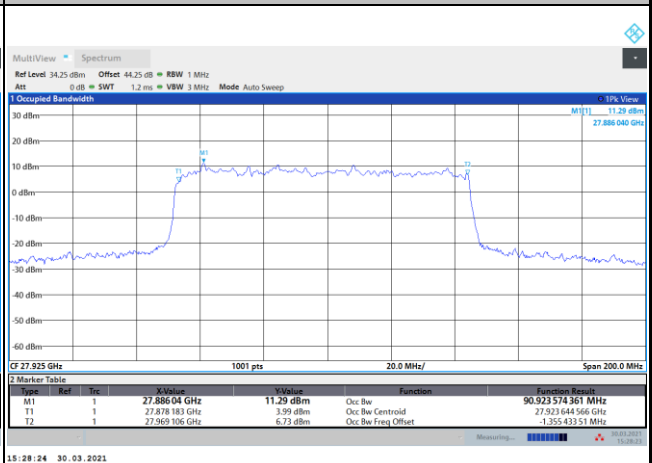
Lowest Channel / 100MHz / 64QAM



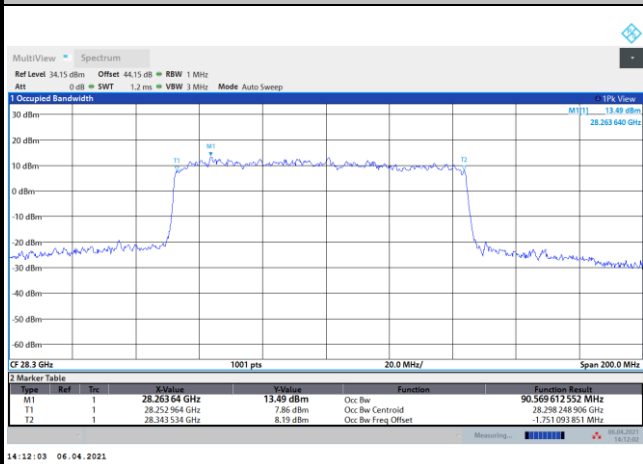
Middle Channel / 100MHz / 16QAM



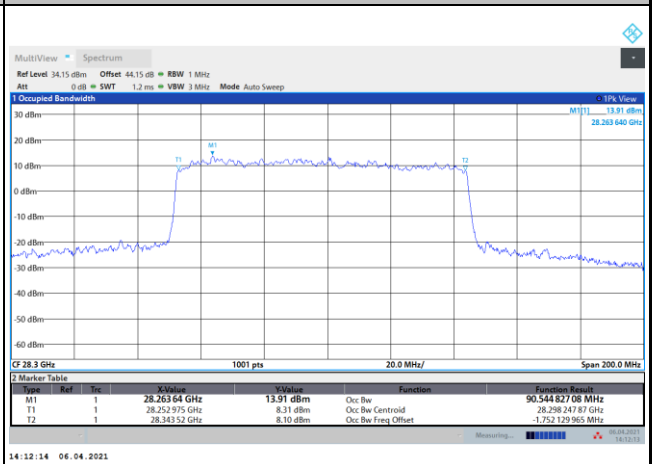
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

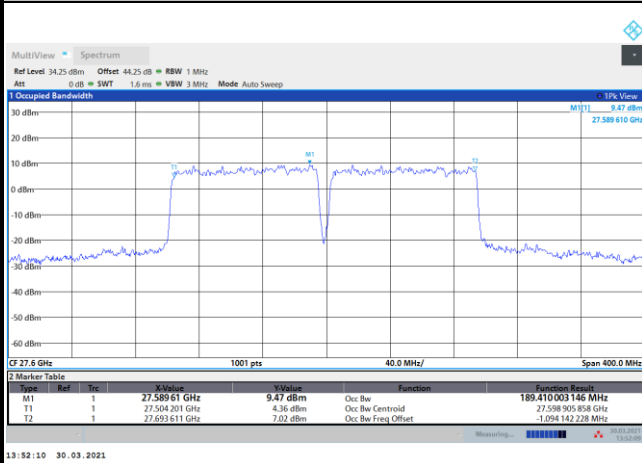




DFT-s-OFDM Module 1

NR Band n261

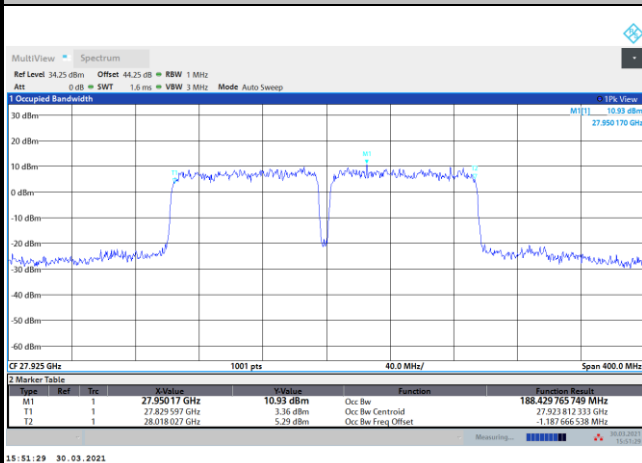
Lowest Channel / 200MHz / BPSK



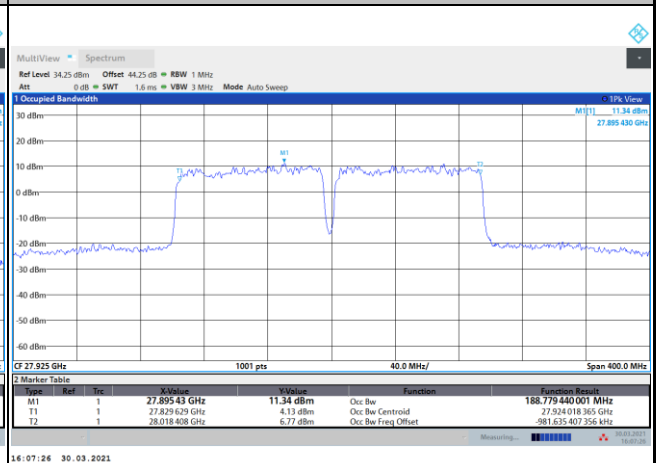
Lowest Channel / 200MHz / QPSK



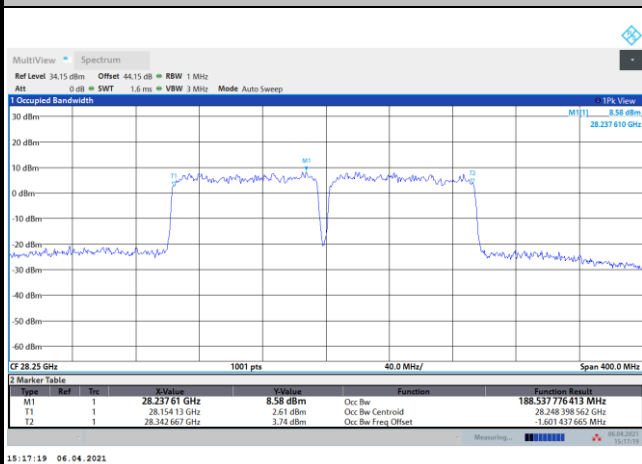
Middle Channel / 200MHz / BPSK



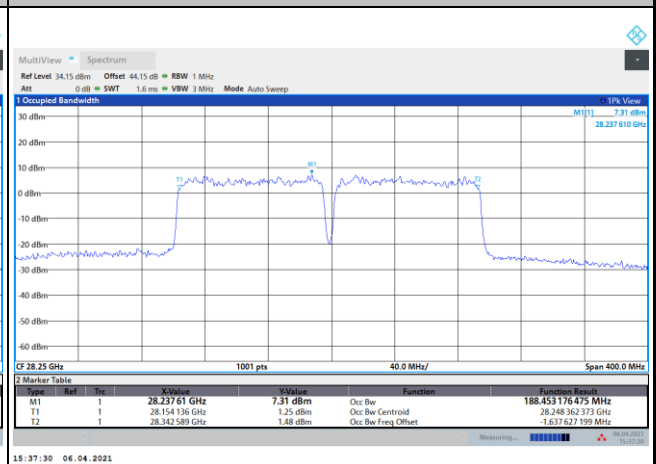
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

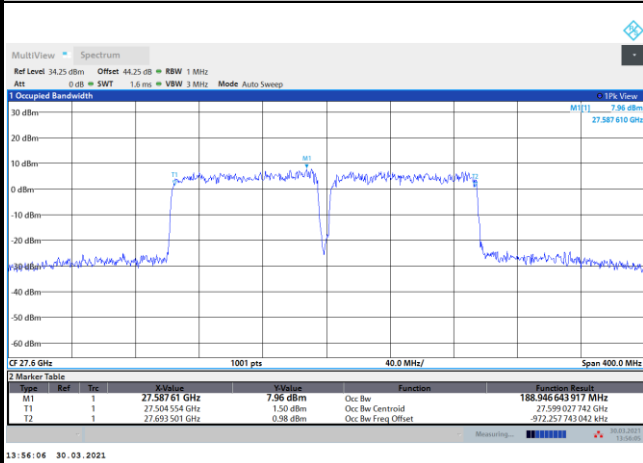




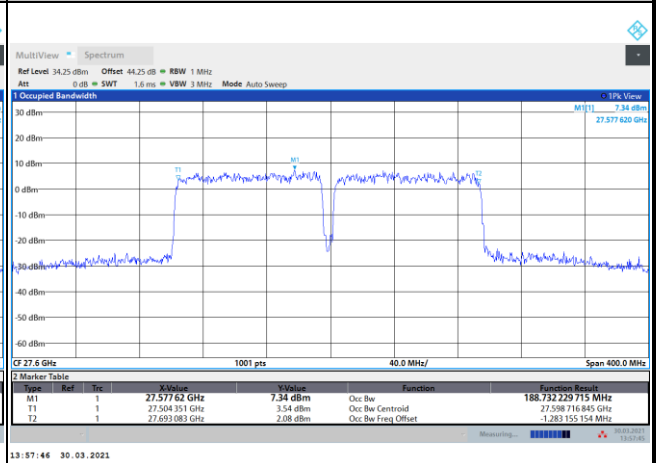
DFT-s-OFDM Module 1

NR Band n261

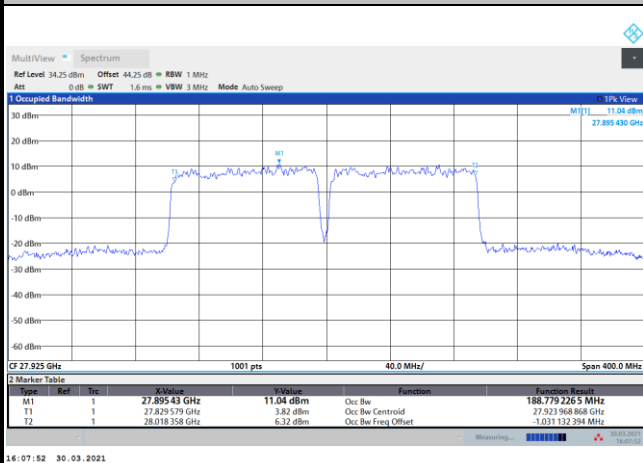
Lowest Channel / 200MHz / 16QAM



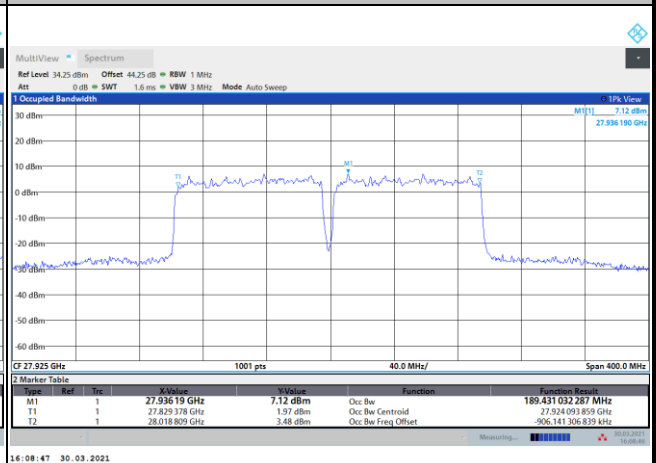
Lowest Channel / 200MHz / 64QAM



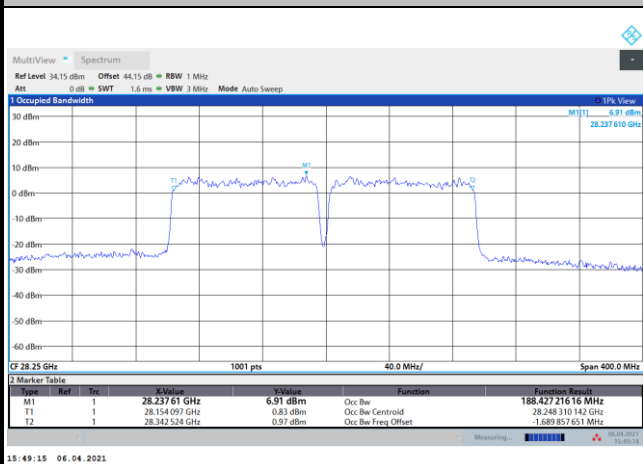
Middle Channel / 200MHz / 16QAM



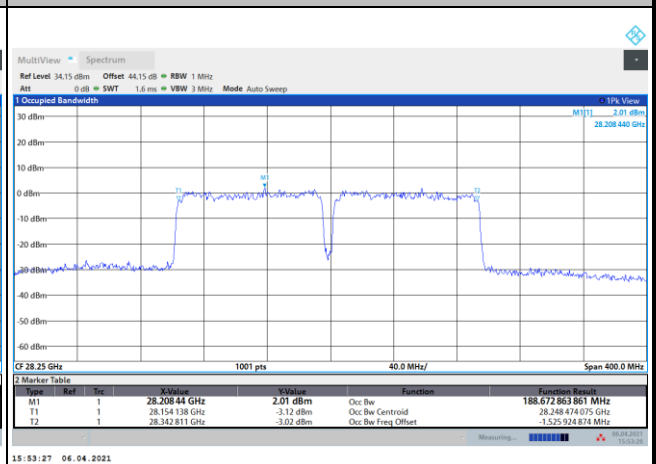
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

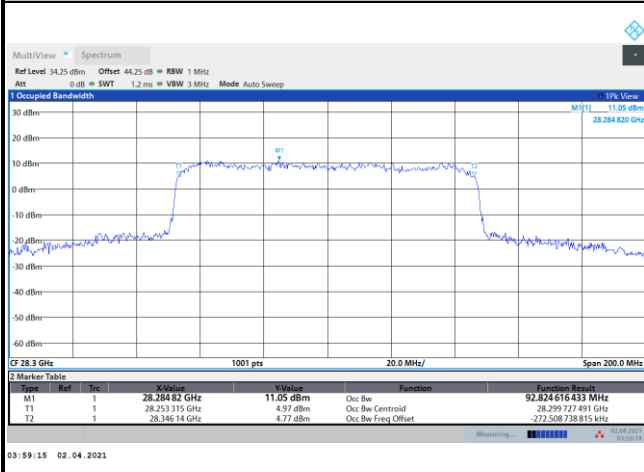




CP-OFDM Module 1

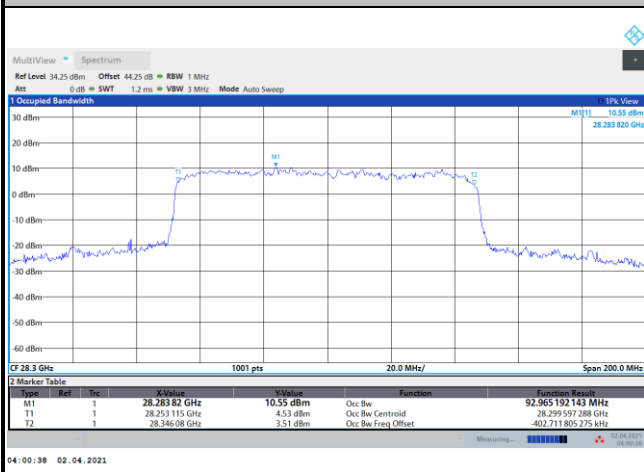
NR Band n261

Highest Channel / 100MHz / QPSK



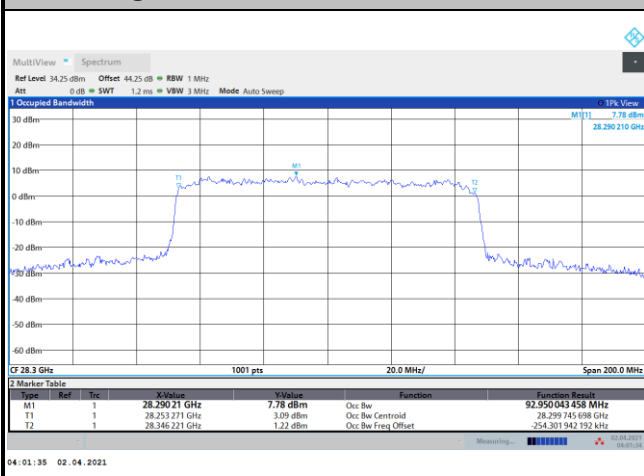
intentionally blank

Highest Channel / 100MHz / 16QAM



intentionally blank

Highest Channel / 100MHz / 64QAM



intentionally blank



Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-8.94	-9.91	-11.96	-13.87	-12.02	-11.64	-11.15	-15.87	-20.94	-21.65	-21.33	-21.13
	>10%OB	≤-13	-22.93	-22.69	-24.77	-26.72	-27.97	-28.21	-29.16	-31.35	-21.70	-21.35	-20.50	-20.70
High CH	0~10%OB	≤-5	-13.28	-13.55	-14.92	-16.42	-12.11	-12.24	-12.14	-14.70	-22.31	-22.09	-21.88	-23.63
	>10%OB	≤-13	-21.76	-22.07	-24.67	-26.60	-28.33	-28.24	-29.52	-31.54	-24.65	-24.42	-25.03	-24.97
Result			Compliance											
Mode			DFT-s-OFDM Module 1 NR Band n261 : BE (dBm) Full RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-21.04	-20.10	-24.16	-26.53	-31.47	-31.46	-31.44	-31.01	-30.50	-30.26	-33.21	-33.19
	>10%OB	≤-13	-26.56	-22.17	-28.08	-30.60	-34.54	-34.65	-34.37	-34.60	-33.20	-32.94	-34.73	-34.82
High CH	0~10%OB	≤-5	-19.14	-19.32	-23.54	-26.60	-25.23	-21.83	-27.24	-30.64	-30.36	-30.86	-33.17	-35.22
	>10%OB	≤-13	-21.60	-22.04	-26.35	-30.55	-30.23	-24.65	-30.06	-33.91	-32.93	-32.41	-35.01	-36.96
Result			Compliance											

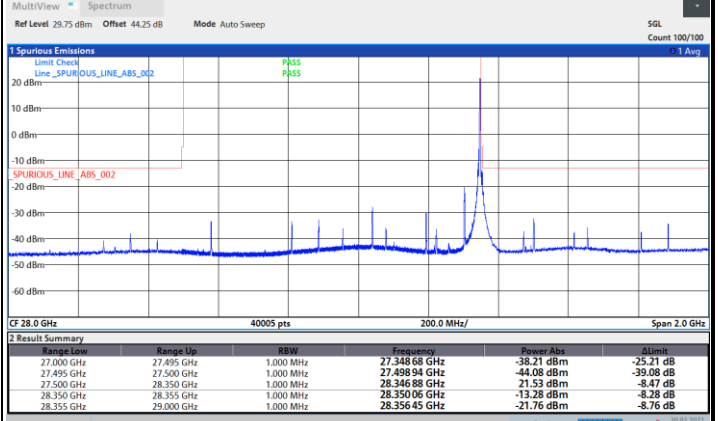
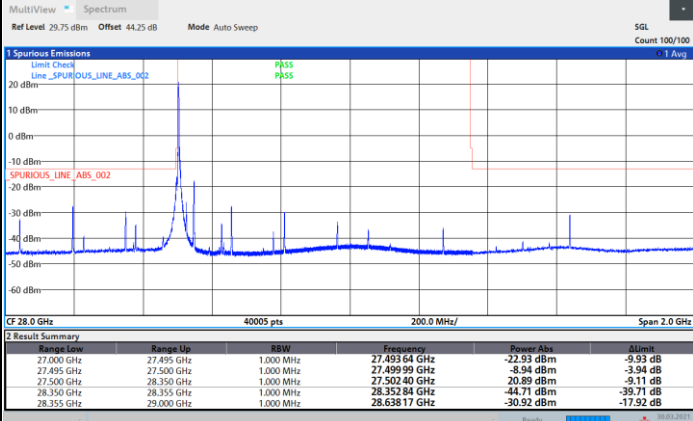


DFT-s-OFDM Module 1

NR Band n261 / 50MHz / BPSK

Lowest Band Edge / 1 RB

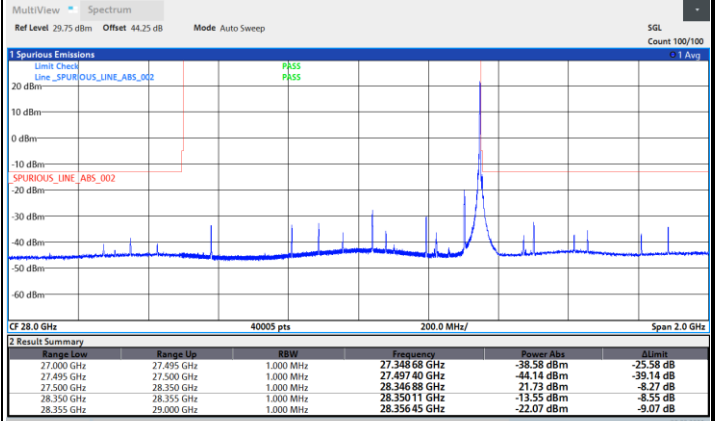
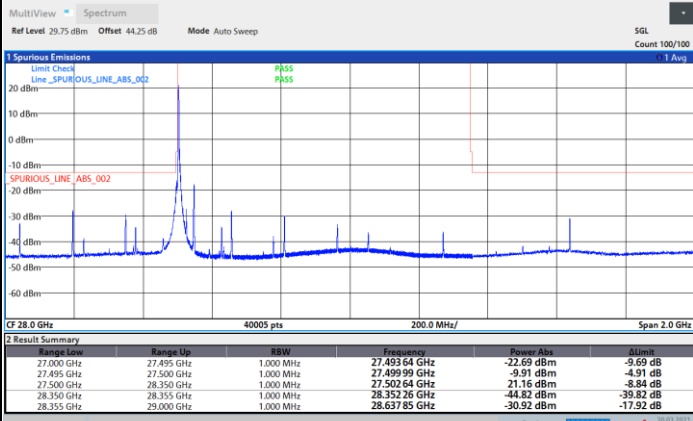
Highest Band Edge / 1 RB



NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



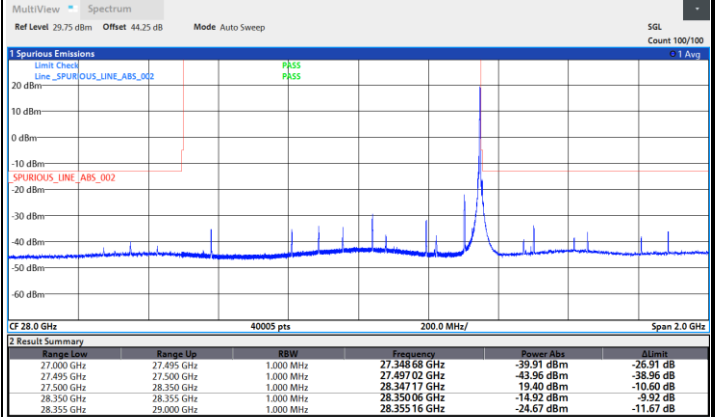
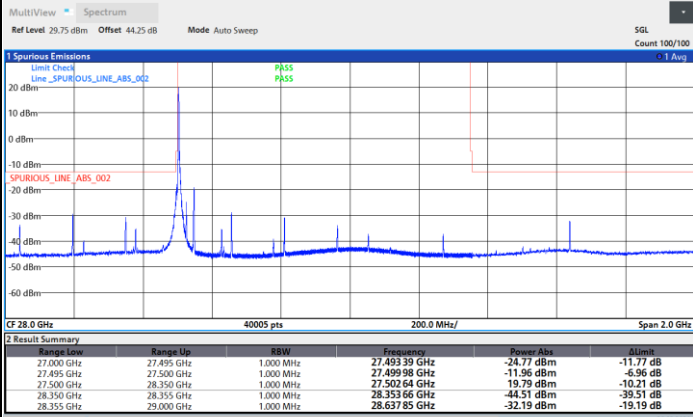


DFT-s-OFDM Module 1

NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

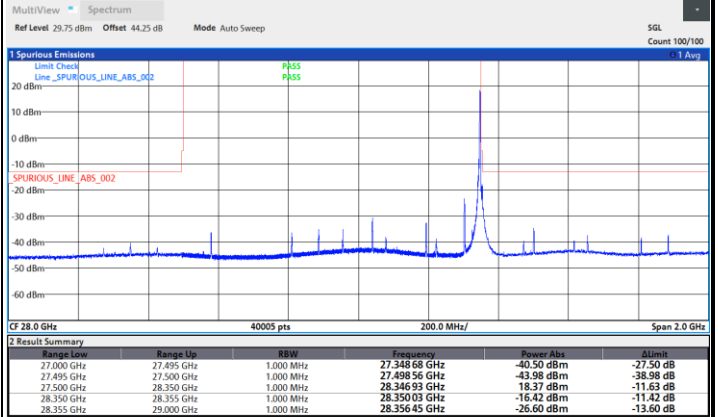
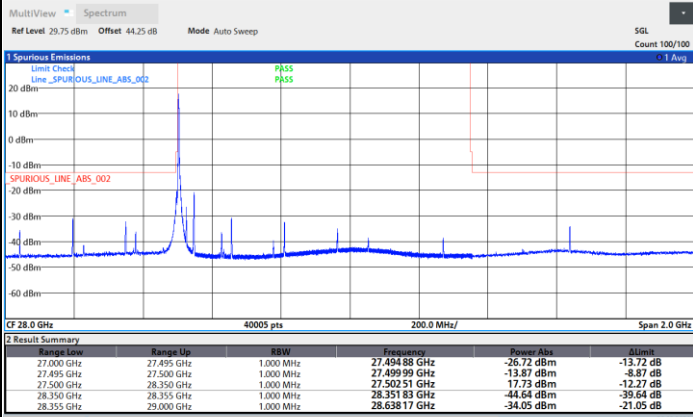
Highest Band Edge / 1 RB



NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

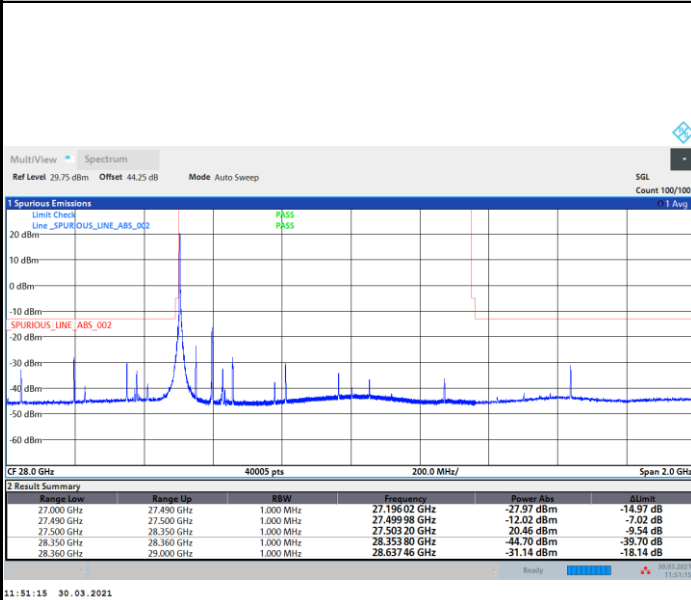




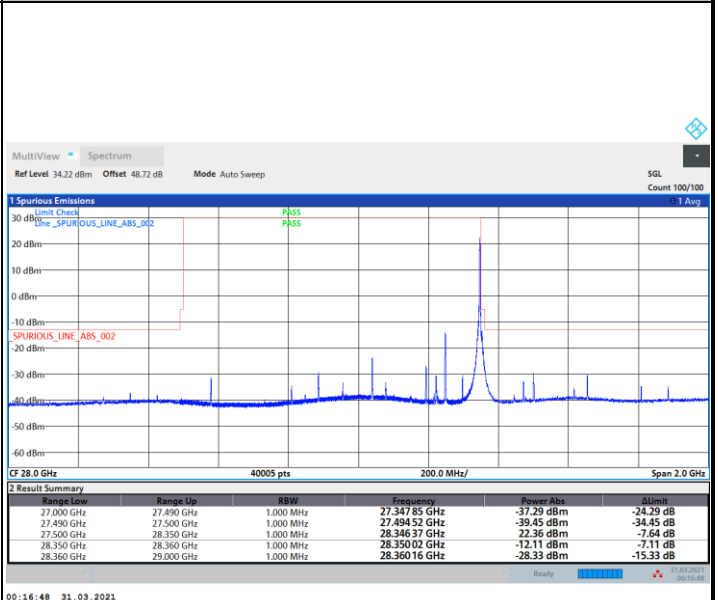
DFT-s-OFDM Module 1

NR Band n261 / 100MHz / BPSK

Lowest Band Edge / 1 RB

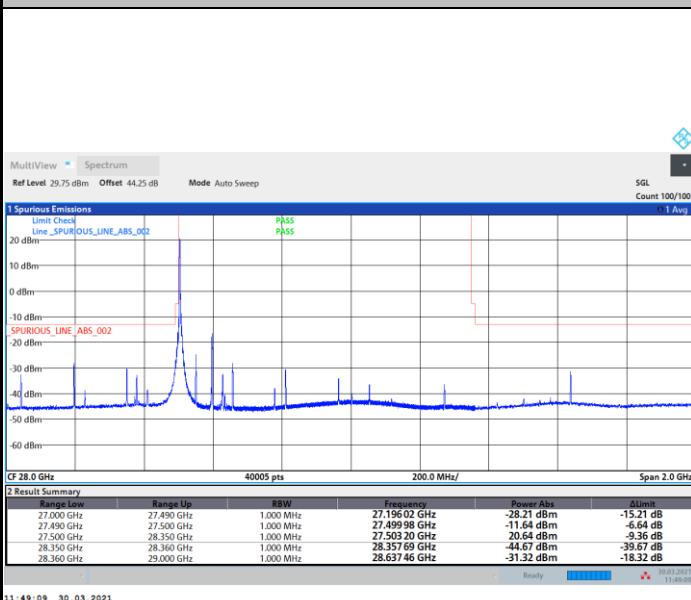


Highest Band Edge / 1 RB

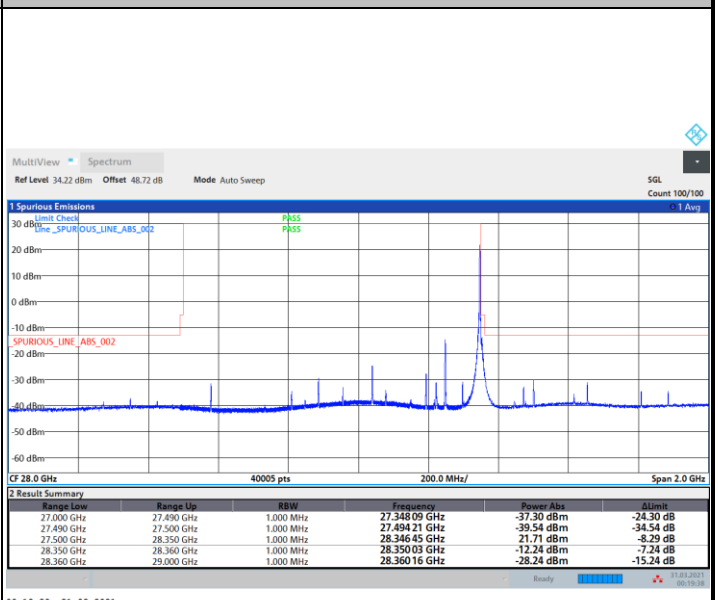


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



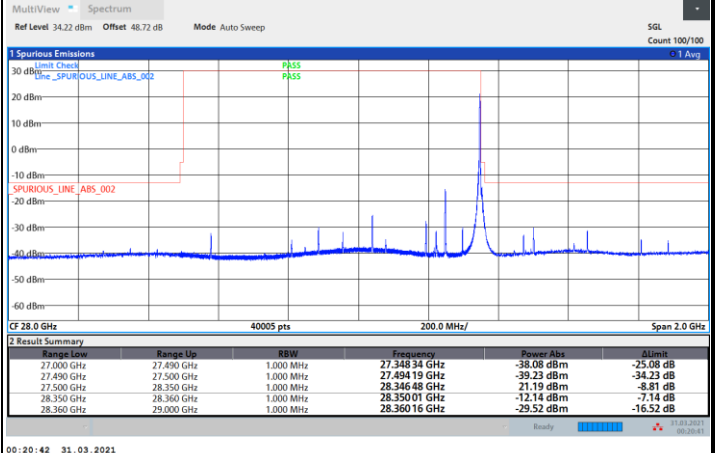
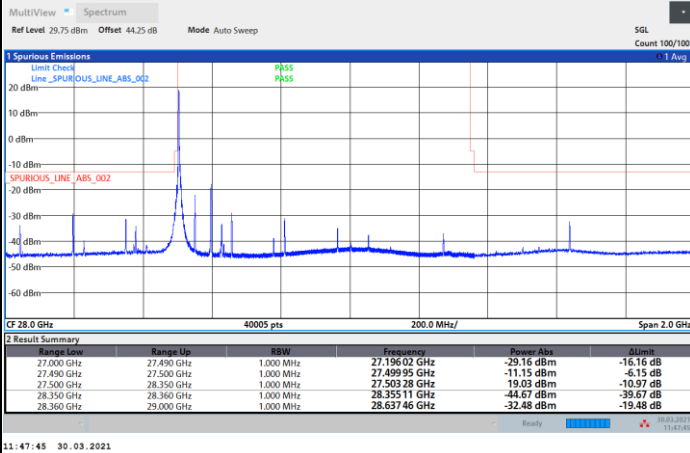


DFT-s-OFDM Module 1

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

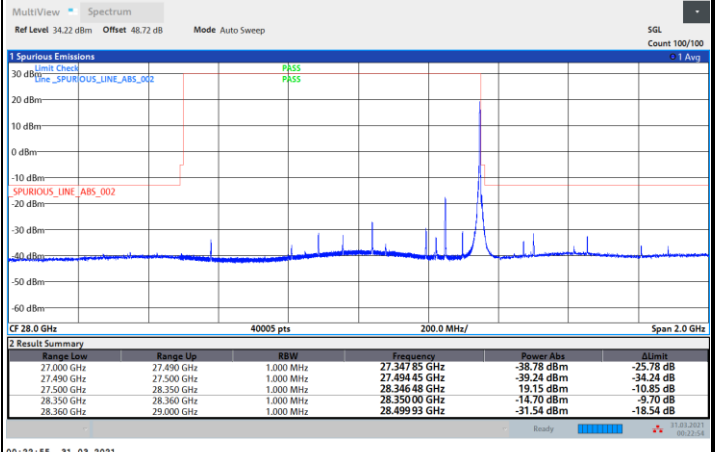
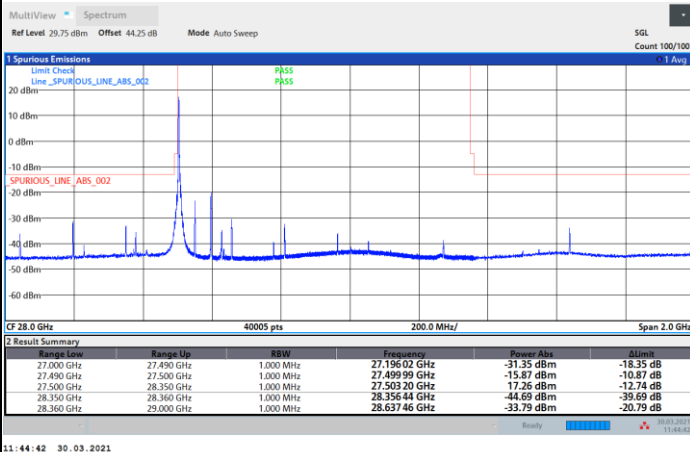
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

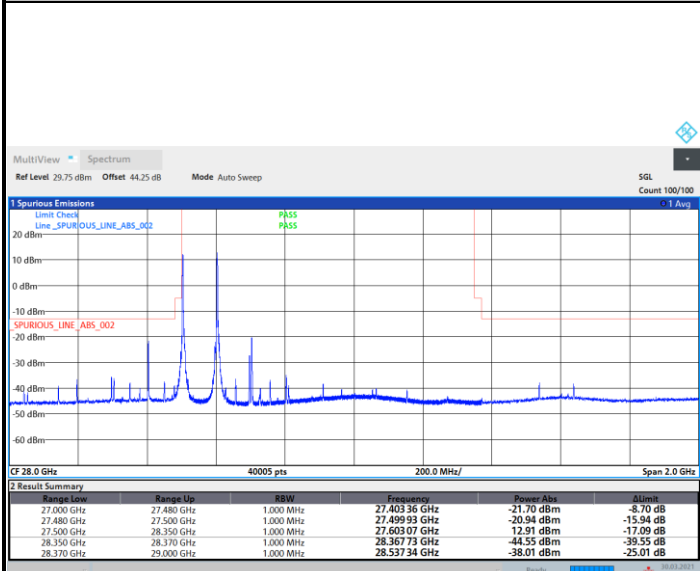




DFT-s-OFDM Module 1

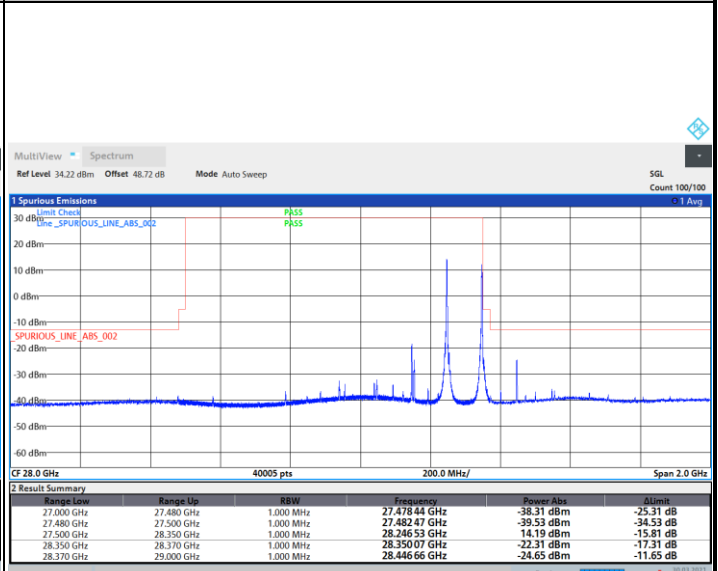
NR Band n261 / 200MHz / BPSK

Lowest Band Edge / 1 RB



14:37:14 30.03.2021

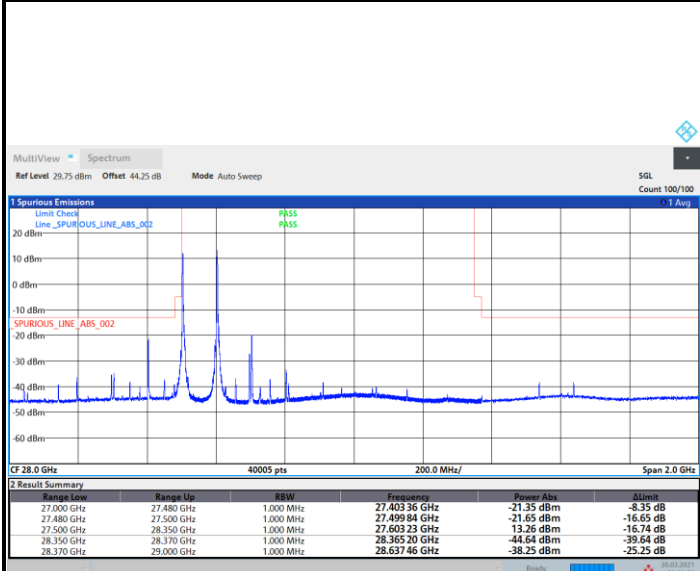
Highest Band Edge / 1 RB



23:38:46 30.03.2021

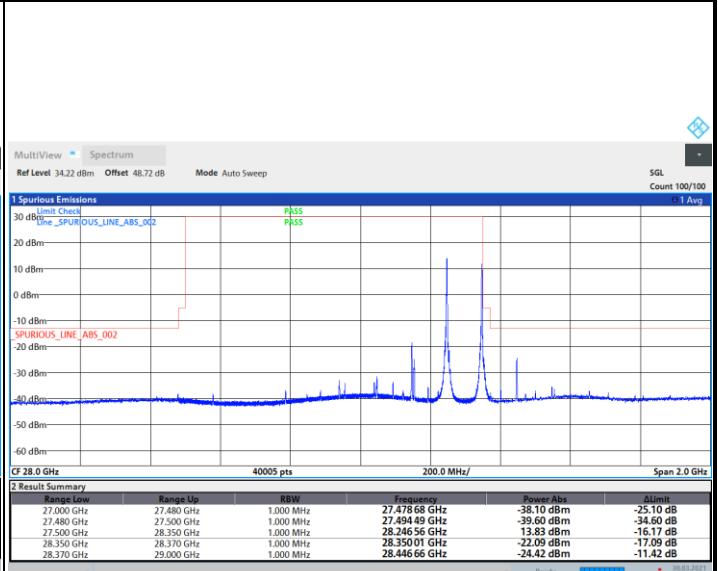
NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB



14:38:24 30.03.2021

Highest Band Edge / 1 RB



23:39:46 30.03.2021

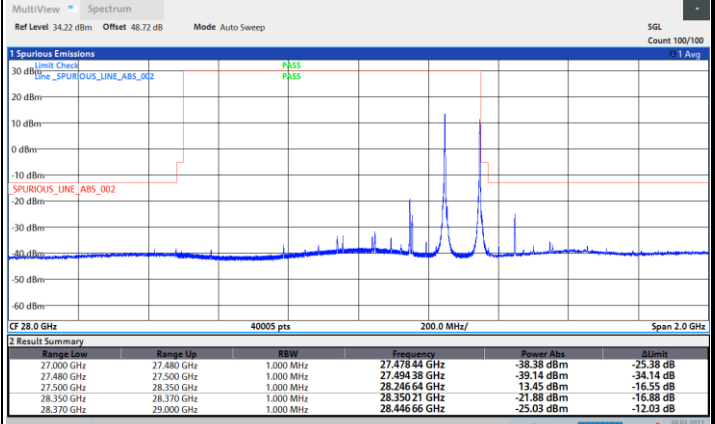
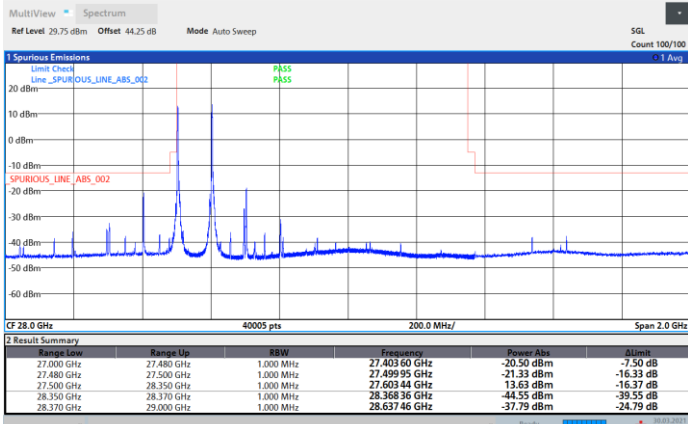


DFT-s-OFDM Module 1

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / 1 RB

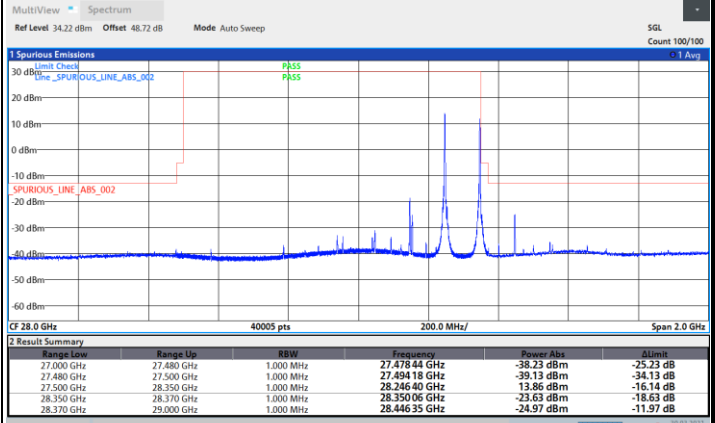
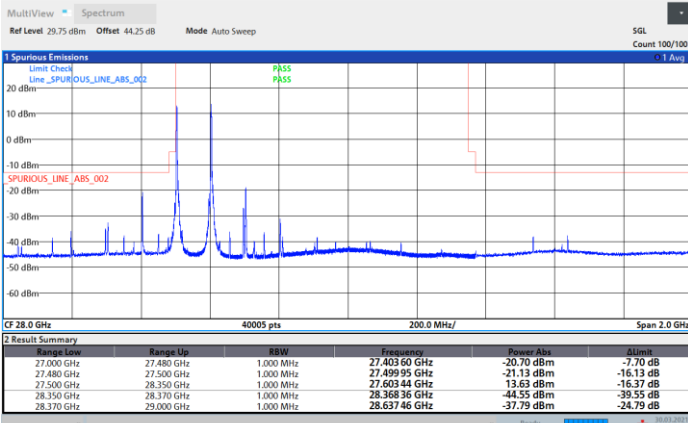
Highest Band Edge / 1 RB



NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



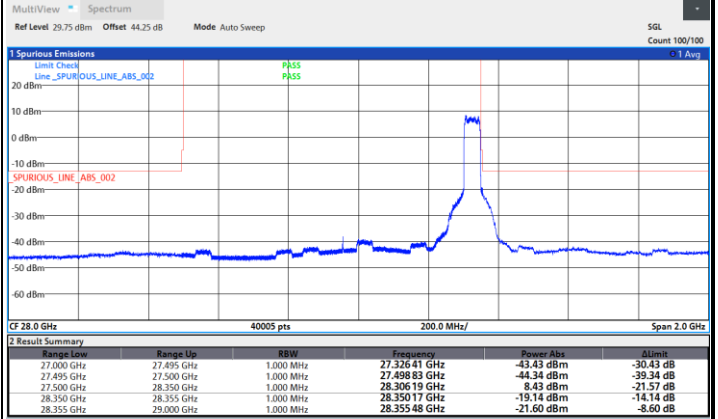
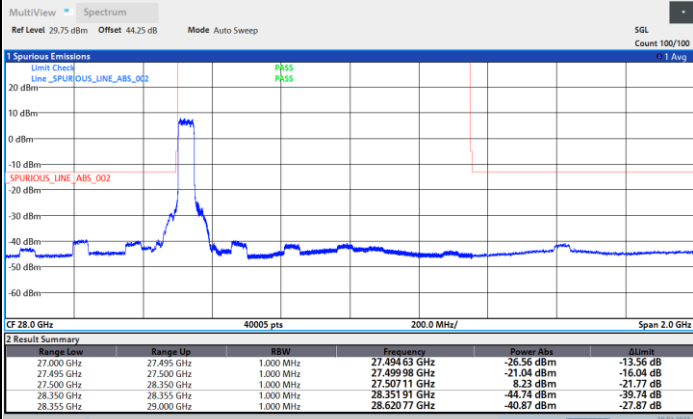


DFT-s-OFDM Module 1

NR Band n261 / 50MHz / BPSK

Lowest Band Edge / Full RB

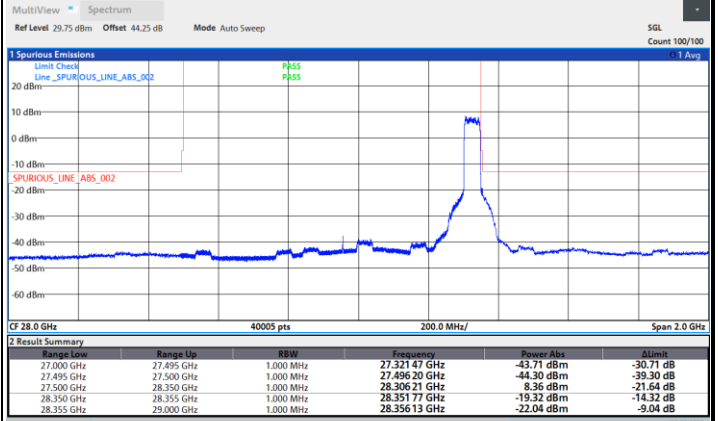
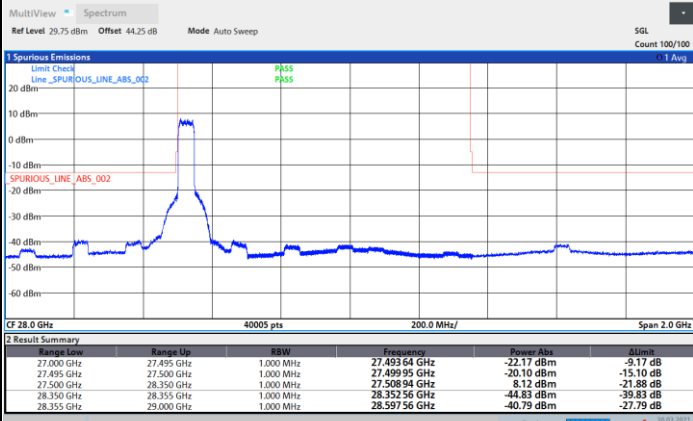
Highest Band Edge / Full RB



NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

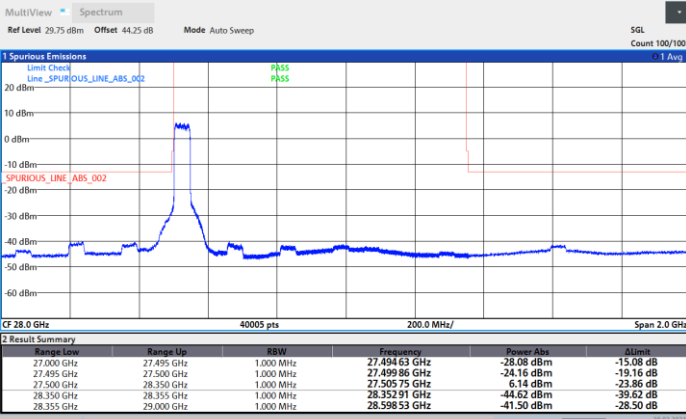




DFT-s-OFDM Module 1

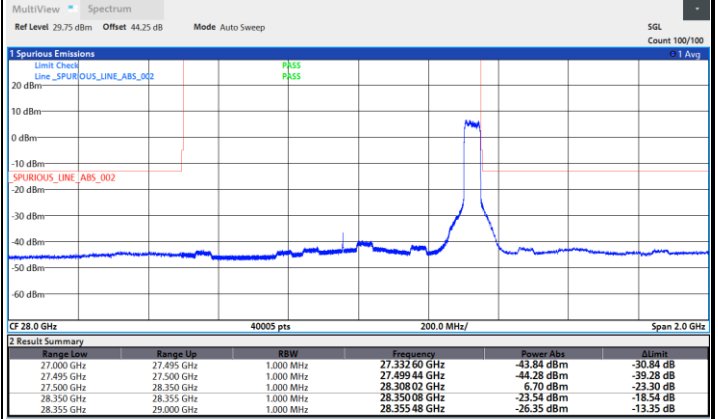
NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB



10:15:47 30.03.2021

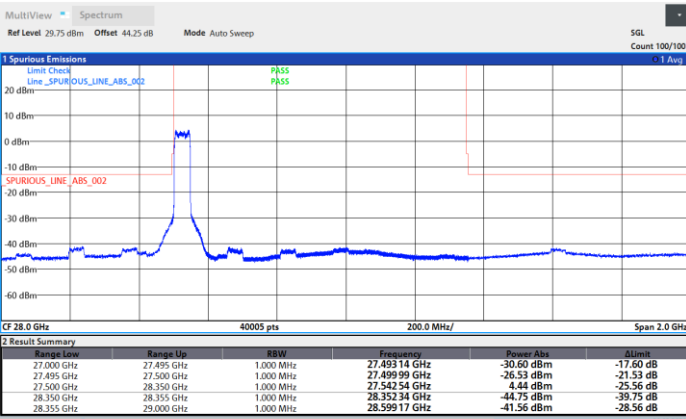
Highest Band Edge / Full RB



17:13:33 30.03.2021

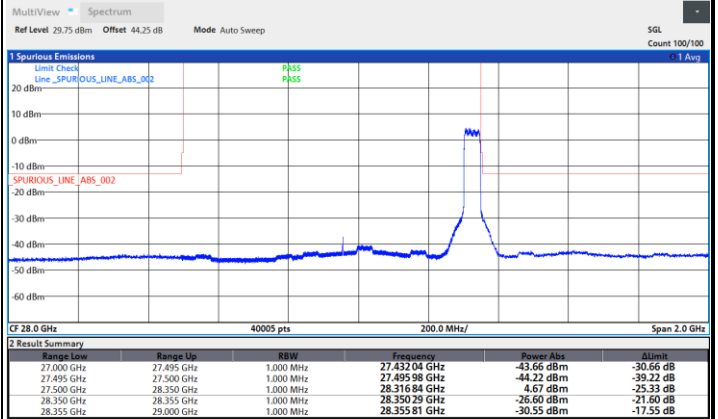
NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB



10:16:42 30.03.2021

Highest Band Edge / Full RB



17:15:38 30.03.2021

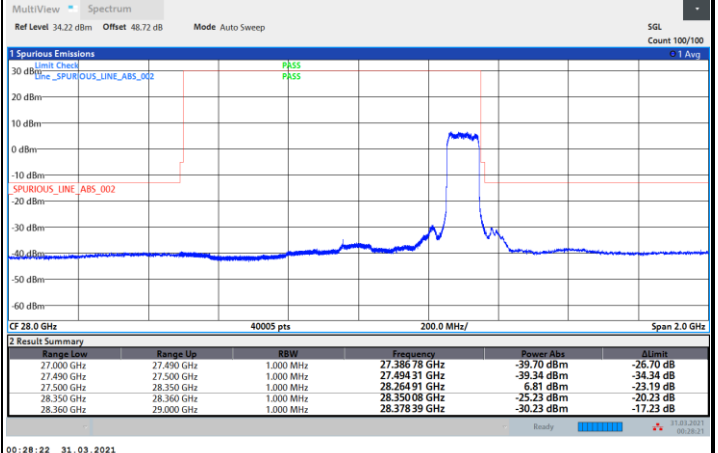
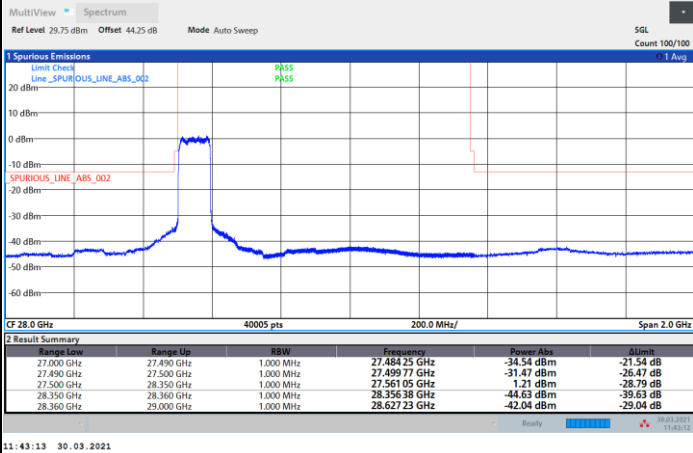


DFT-s-OFDM Module 1

NR Band n261 / 100MHz / BPSK

Lowest Band Edge / Full RB

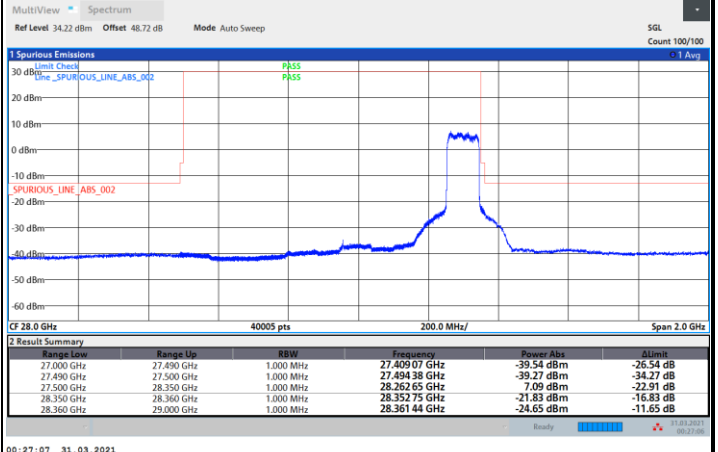
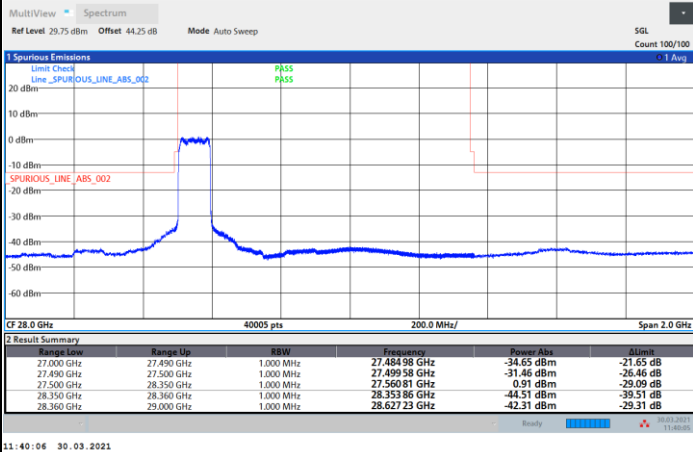
Highest Band Edge / Full RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



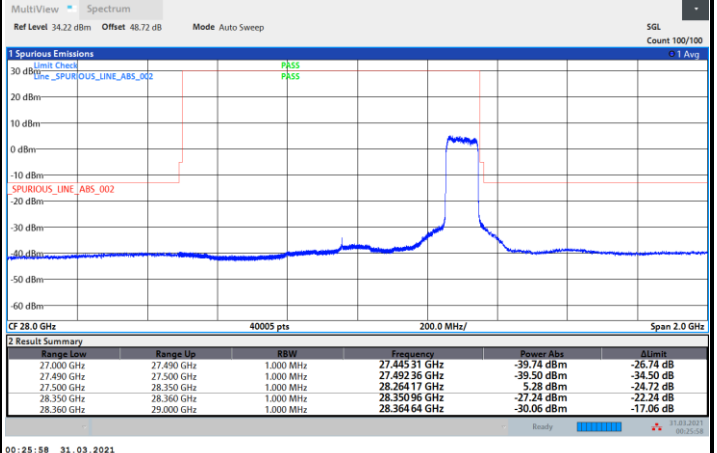
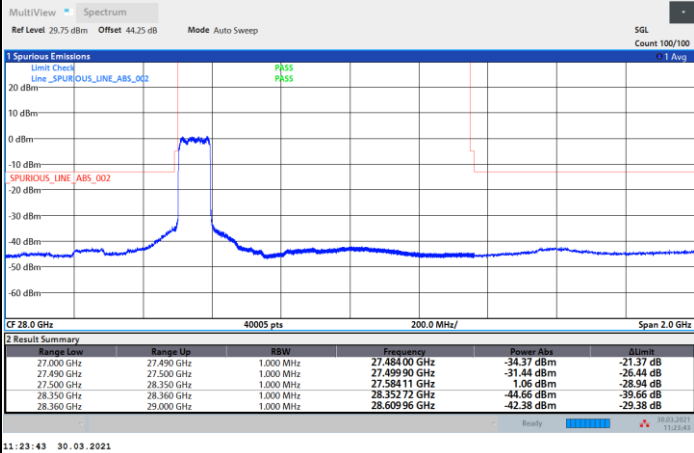


DFT-s-OFDM Module 1

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

