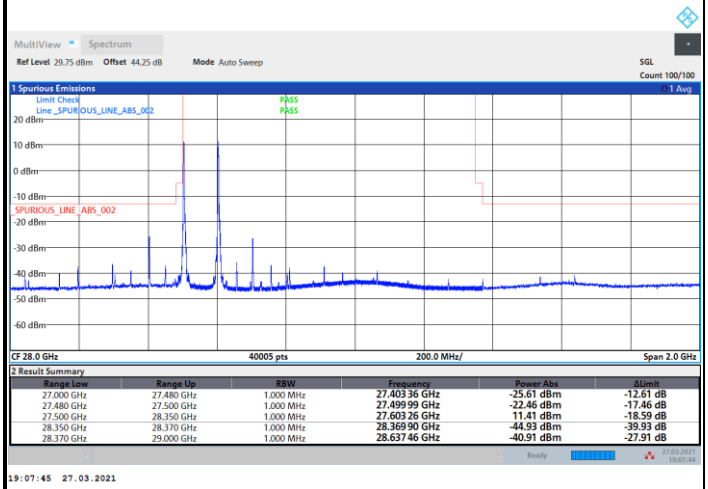
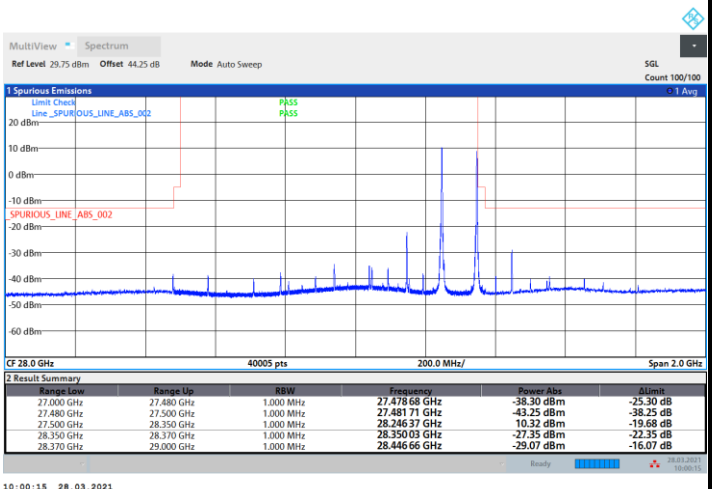
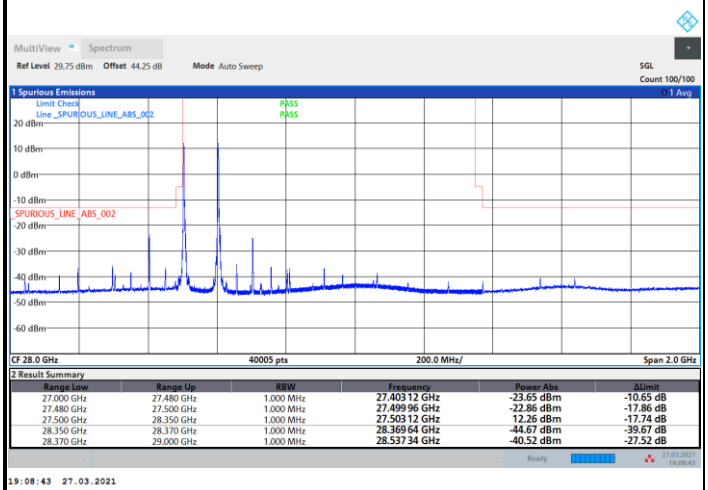
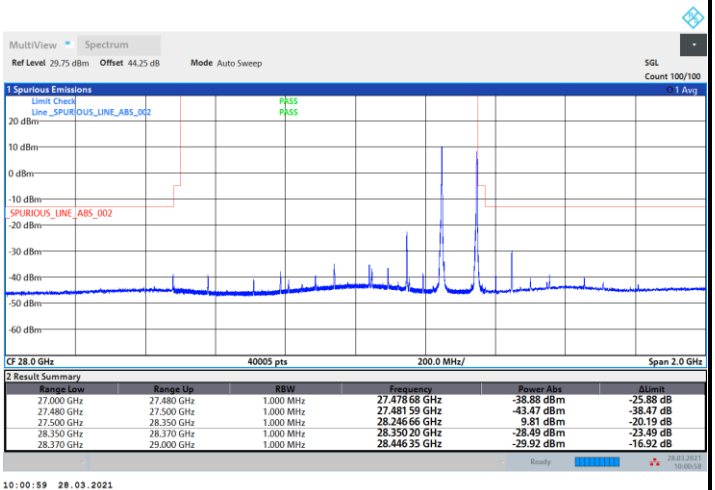
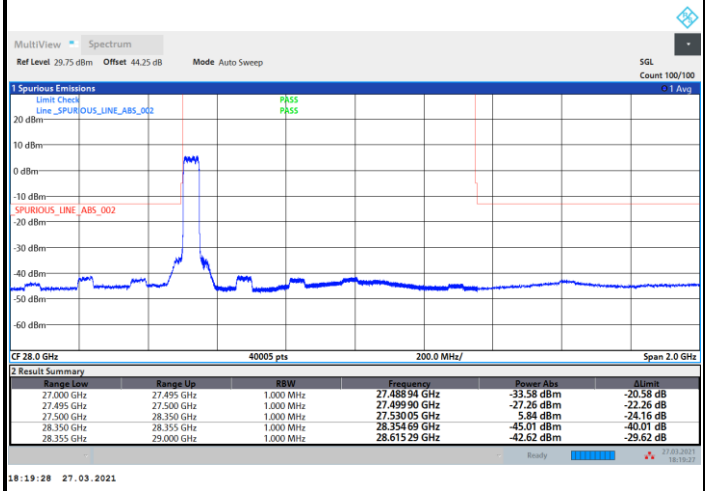
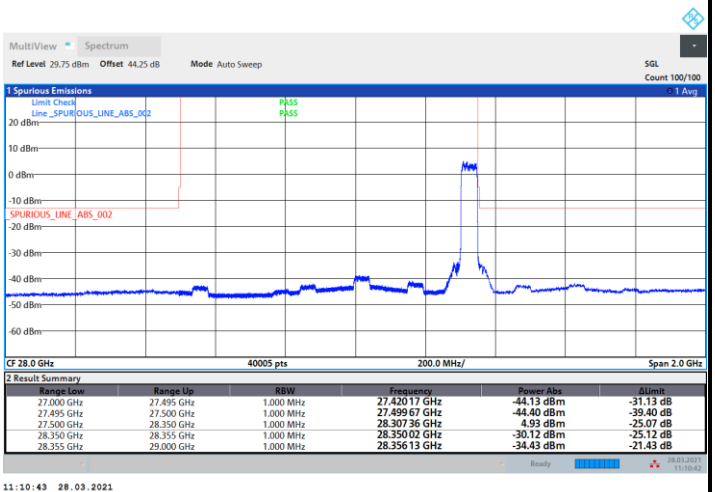
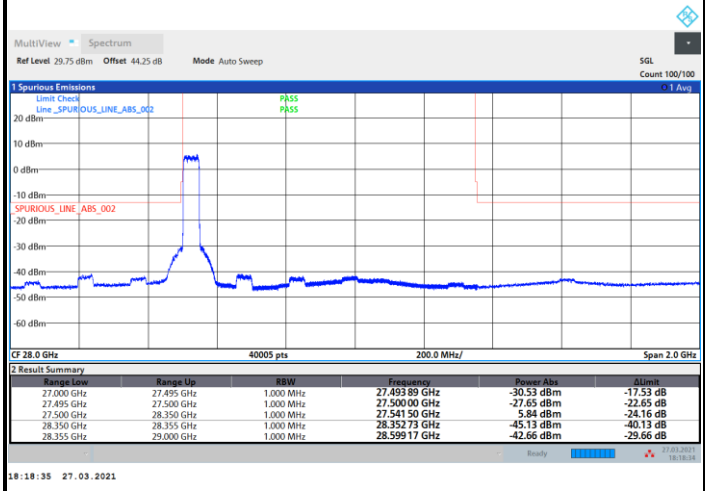
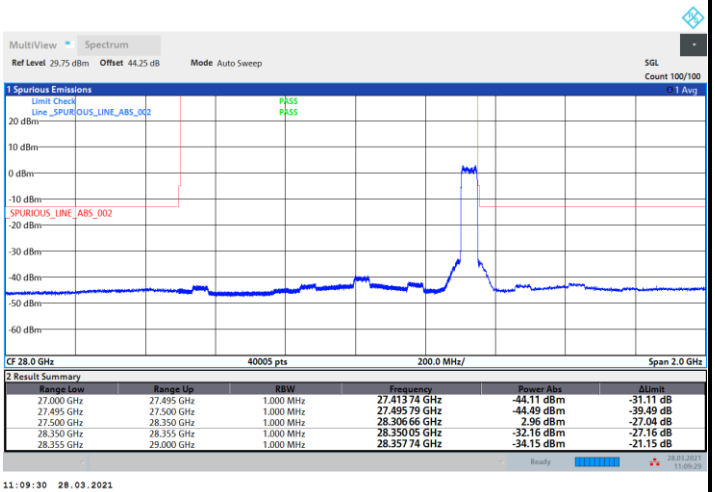
DFT-s-OFDM Module 0

NR Band n261 / 200MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
19:07:45 27.03.2021	10:00:15 28.03.2021

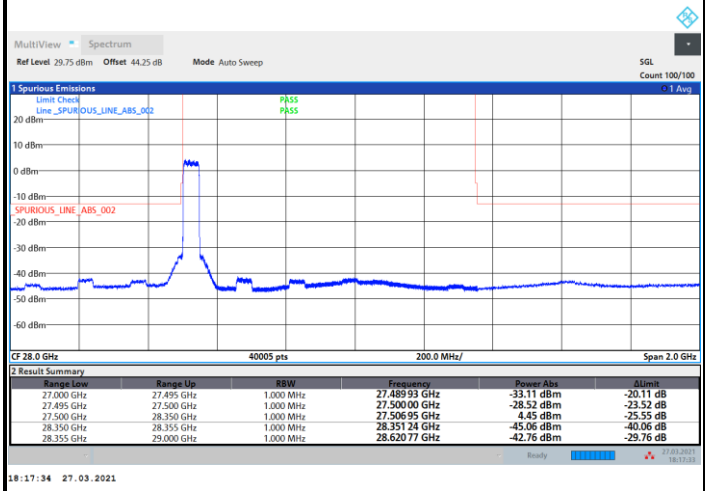
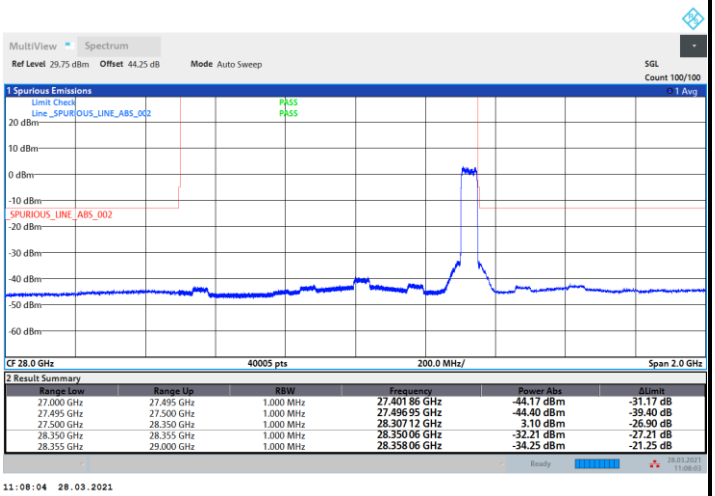
NR Band n261 / 200MHz / 64QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
19:08:43 27.03.2021	10:00:59 28.03.2021

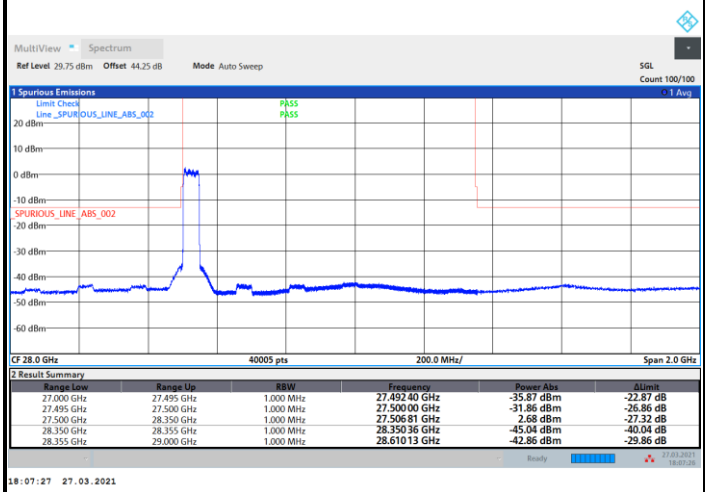
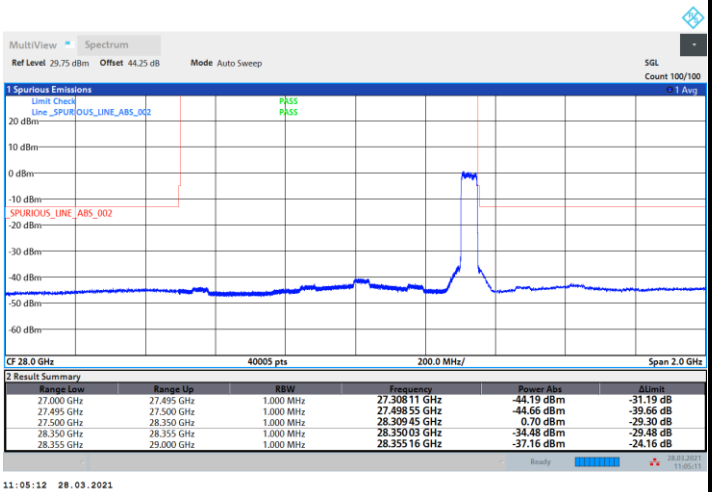
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

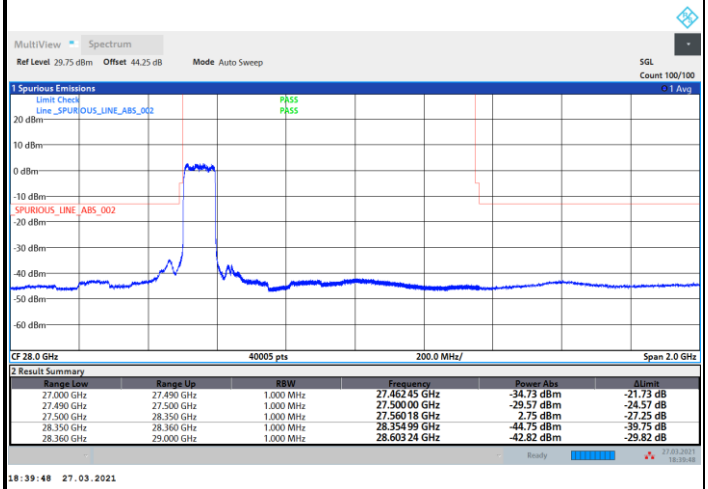
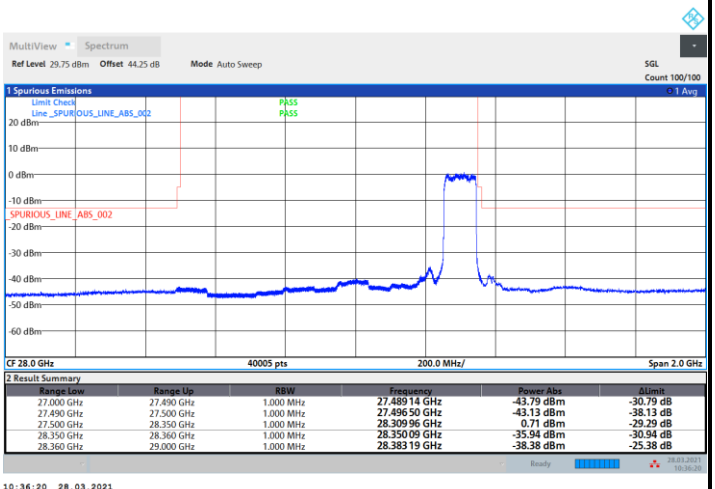
NR Band n261 / 50MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

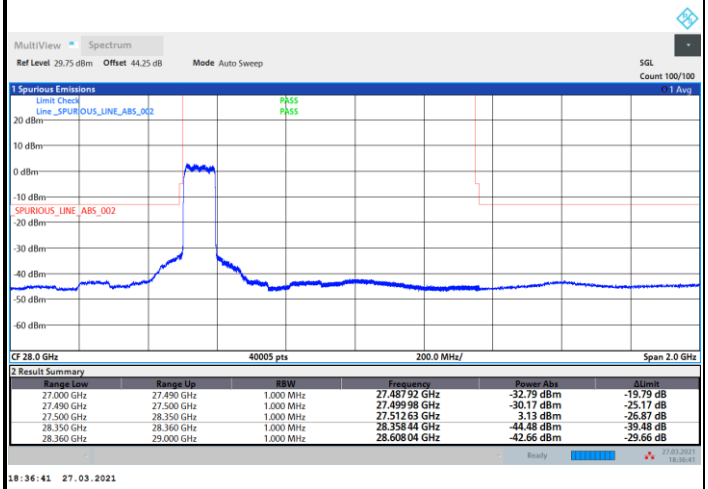
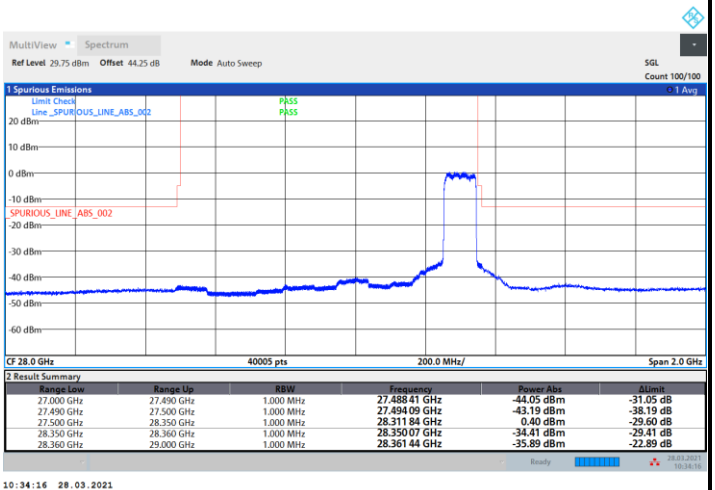
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:17:34 27.03.2021	11:08:04 28.03.2021

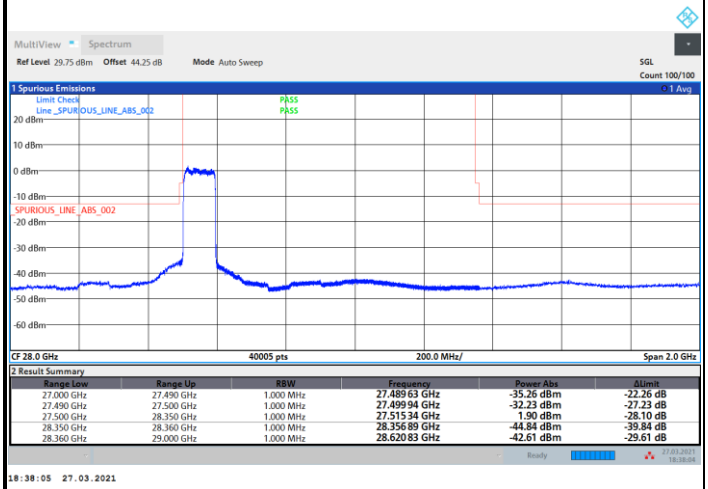
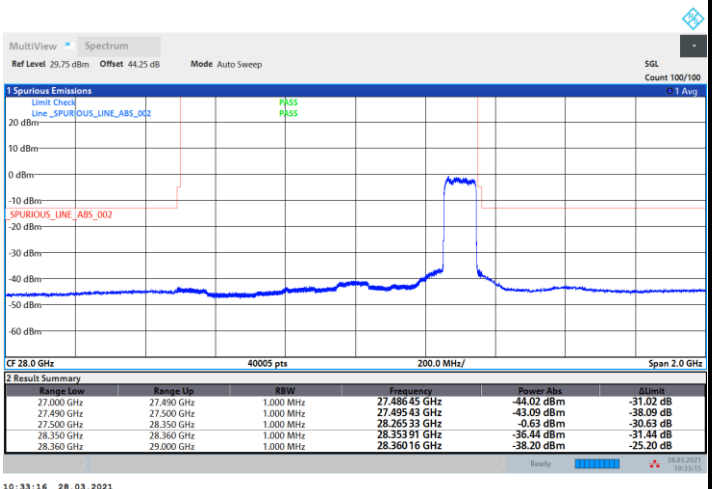
NR Band n261 / 50MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:07:27 27.03.2021	11:05:12 28.03.2021

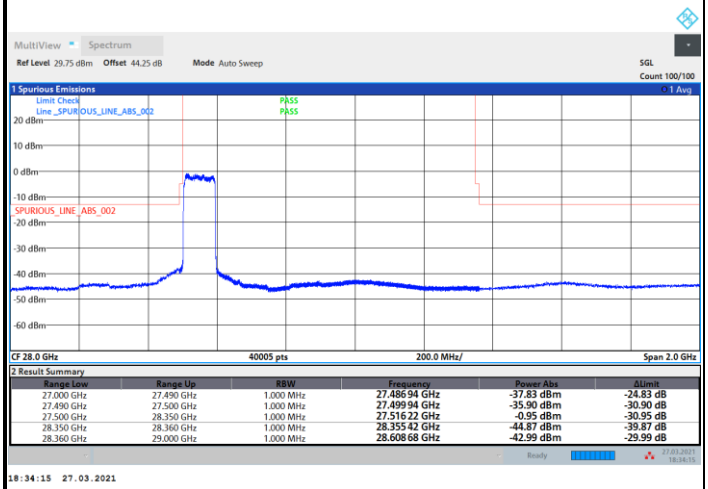
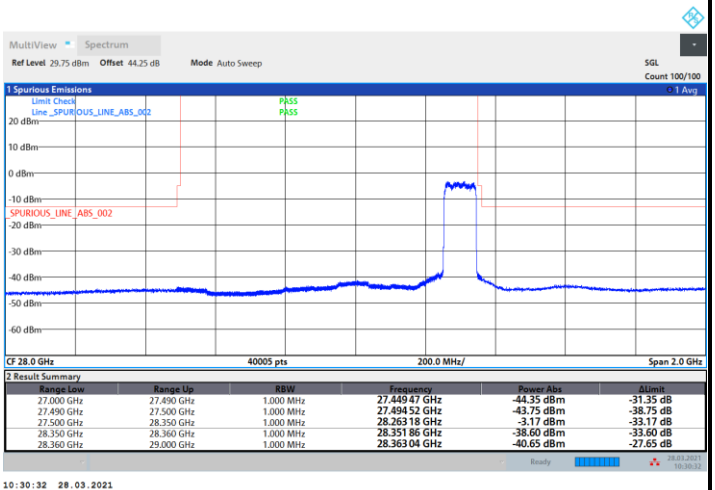
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:39:48 27.03.2021	10:36:20 28.03.2021

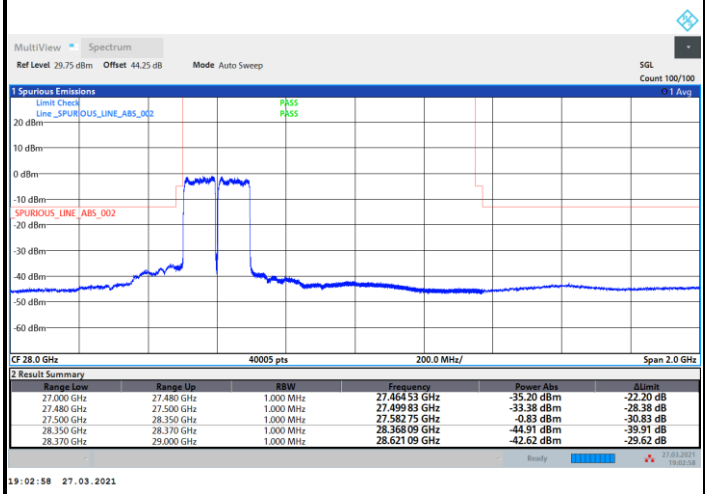
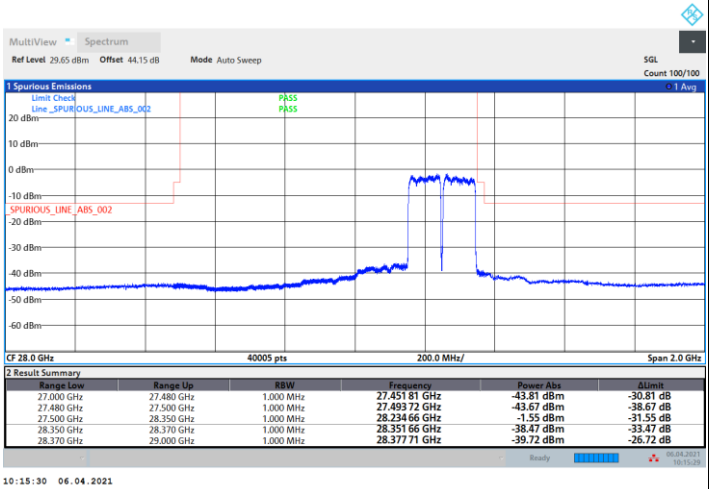
NR Band n261 / 100MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:36:41 27.03.2021	10:34:16 28.03.2021

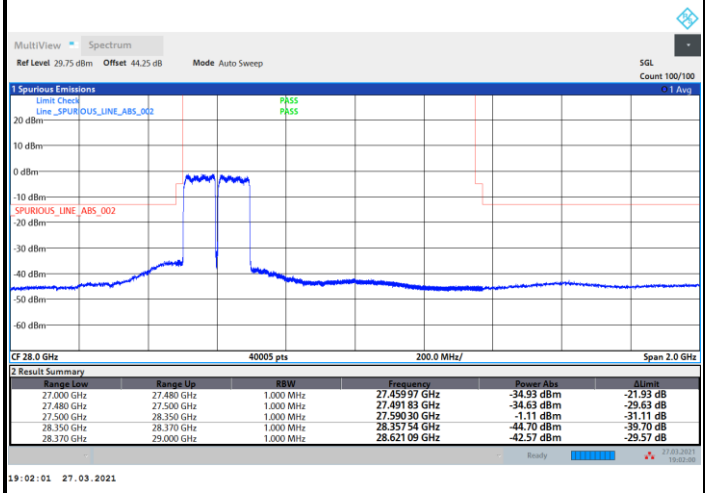
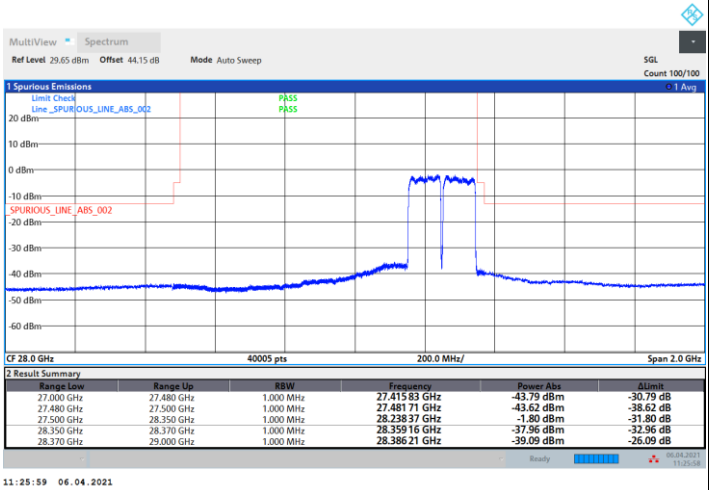
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:38:05 27.03.2021	10:33:16 28.03.2021

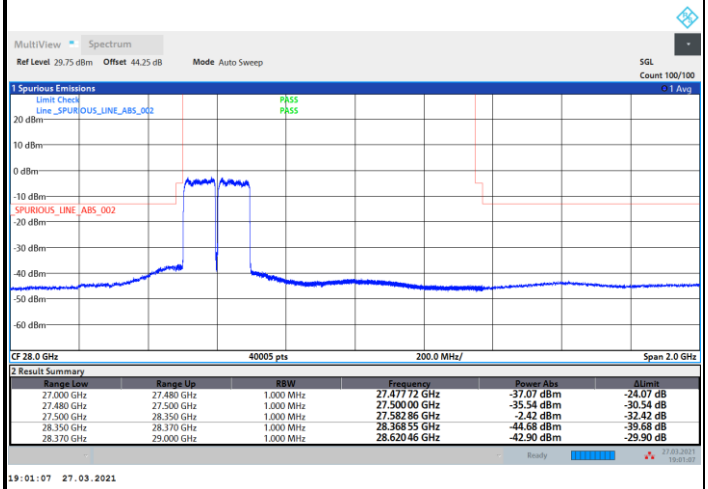
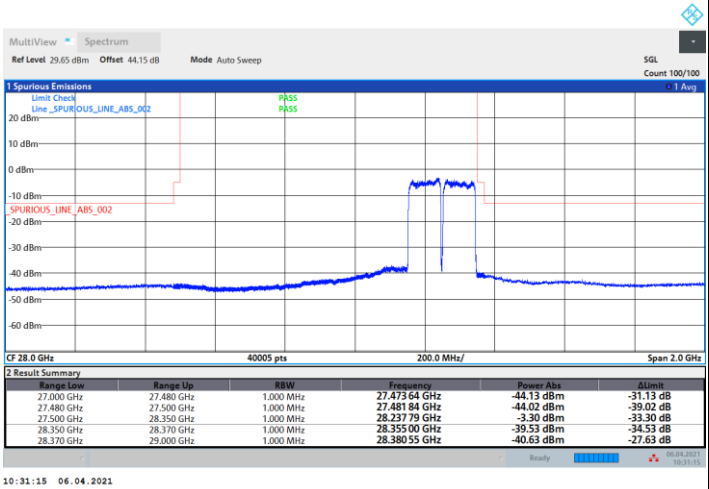
NR Band n261 / 100MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:34:15 27.03.2021	10:30:32 28.03.2021

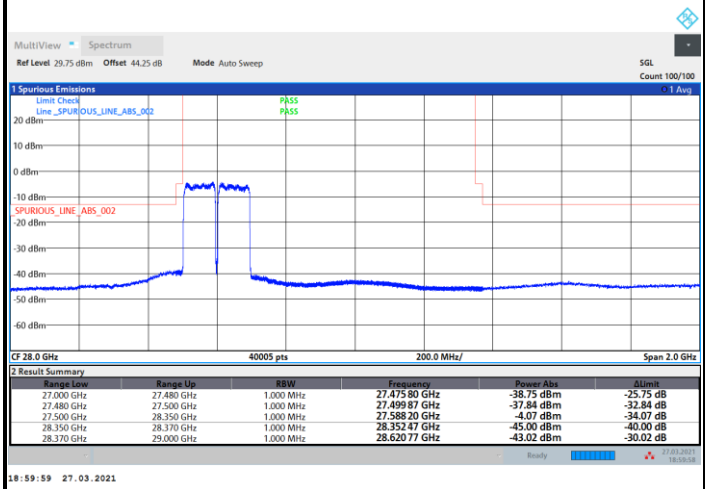
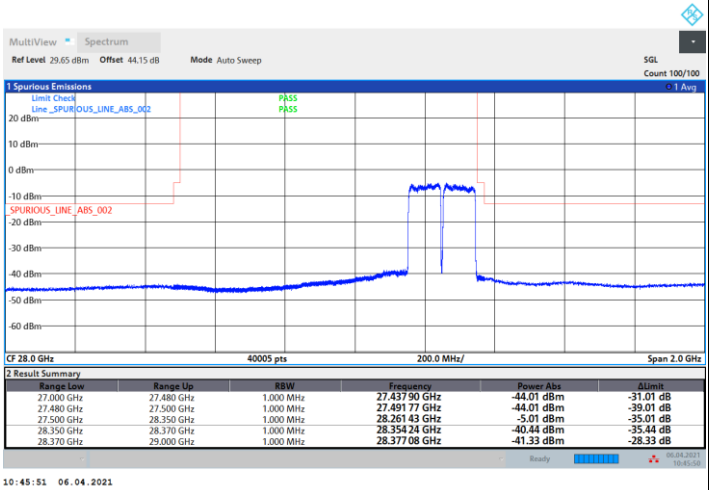
DFT-s-OFDM Module 0

NR Band n261 / 200MHz / BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

NR Band n261 / 200MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

DFT-s-OFDM Module 0

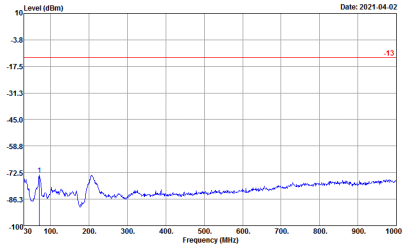
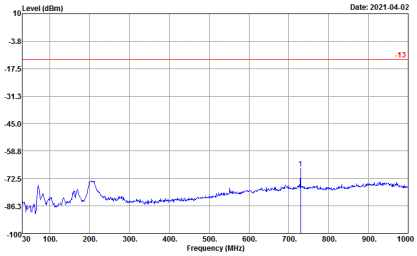
NR Band n261 / 200MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
19:01:07 27.03.2021	10:31:15 06.04.2021

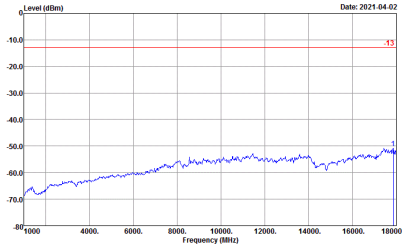
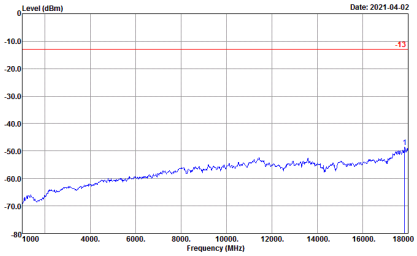
NR Band n261 / 200MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
18:59:59 27.03.2021	10:45:51 06.04.2021

Spurious Emission

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

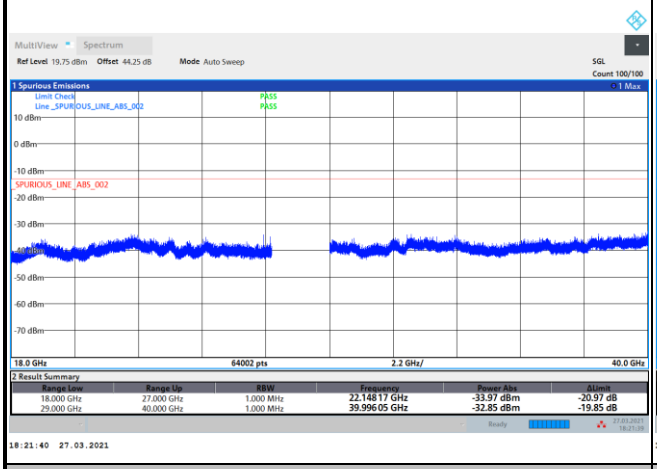
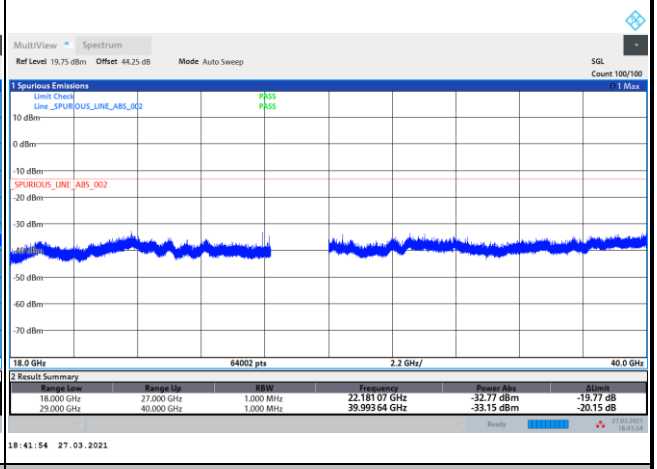
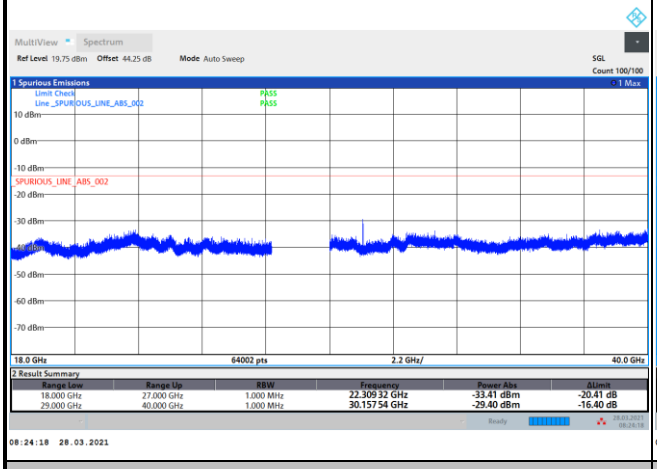
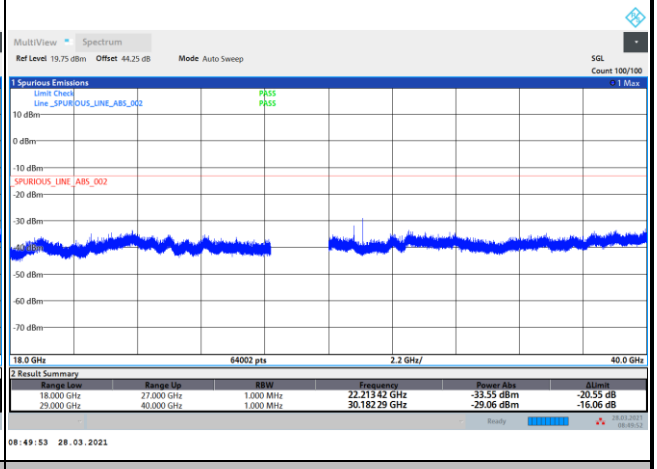
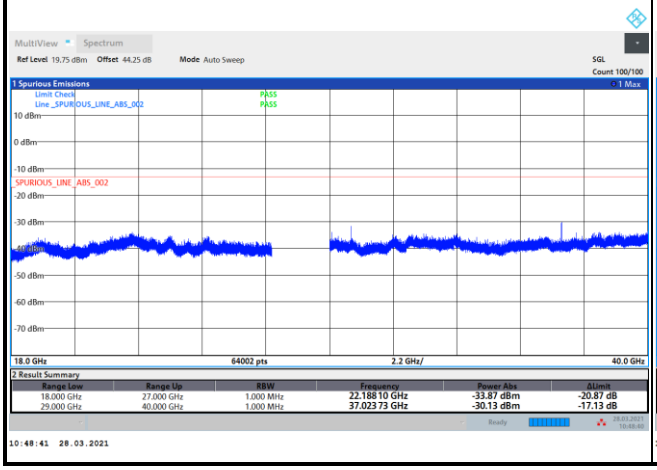
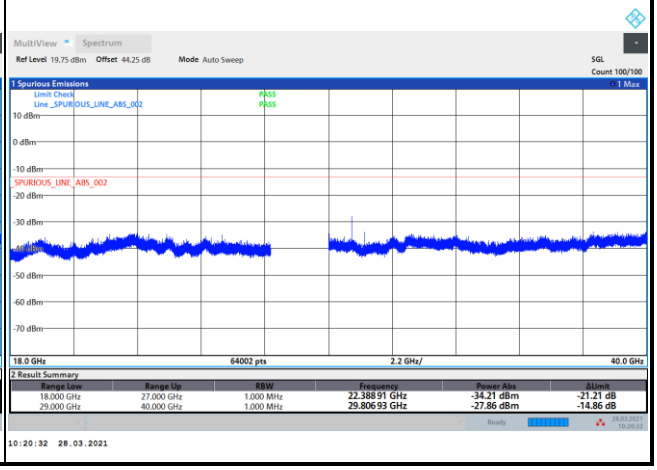
Only the noise floor is reported.

NR Band n261 (30MHz-1GHz)	
Horizontal	**Vertical**
 Site : 03CH10-HY Condition : -13 EIRP_WO HORIZONTAL Project : 082730-06 : n261 Module 0 Freq Level Over Limit Limit Line MHz dBm dB dBm 1 70.74 -73.64 -60.64 -13.00	 Site : 03CH10-HY Condition : -13 EIRP_WO VERTICAL Project : 082730-06 : n261 Module 0 Freq Level Over Limit Limit Line MHz dBm dB dBm 1 729.37 -67.42 -54.42 -13.00

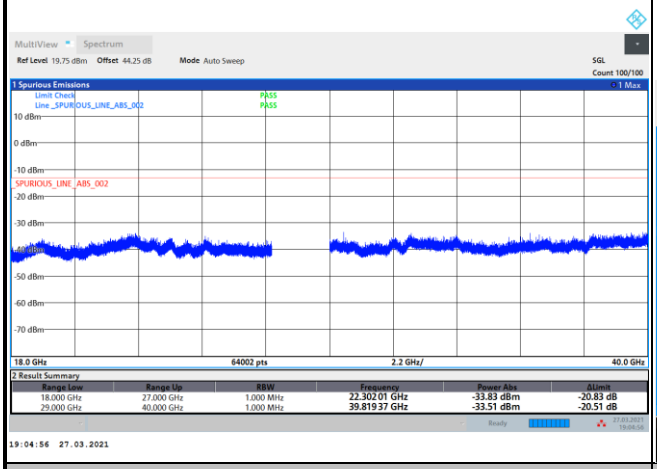
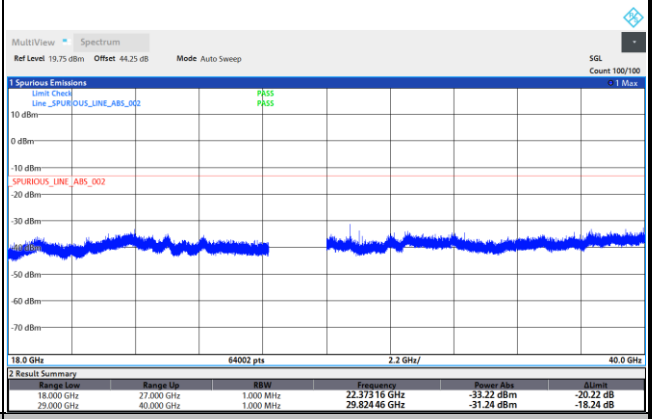
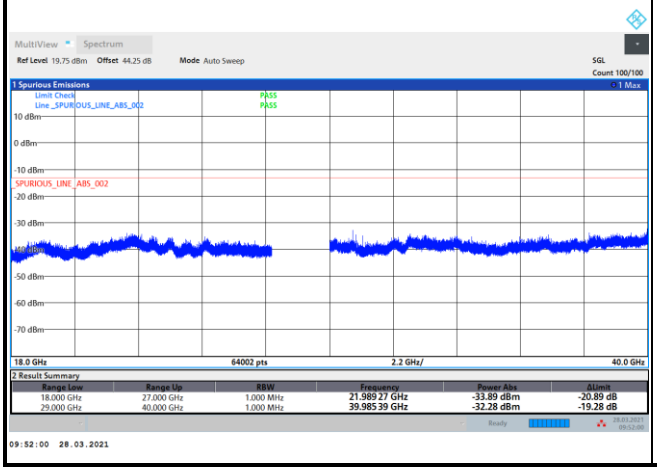
NR Band n261 (1GHz-18GHz)	
Horizontal	**Vertical**
 Site : 03CH10-HY Condition : -13 EIRP_WO HORIZONTAL Project : 082730-06 : n261 Module 0 Freq Level Over Limit Limit Line MHz dBm dB dBm 1 17864.00 -50.87 -37.87 -13.00	 Site : 03CH10-HY Condition : -13 EIRP_WO VERTICAL Project : 082730-06 : n261 Module 0 Freq Level Over Limit Limit Line MHz dBm dB dBm 1 17847.00 -48.48 -35.48 -13.00

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

DFT-s-OFDM Module 0

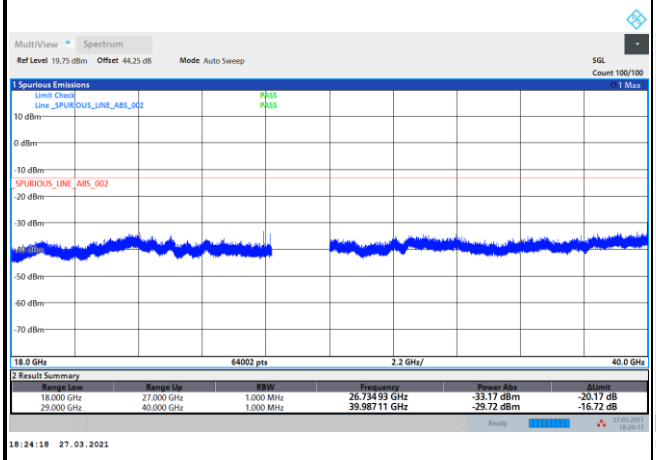
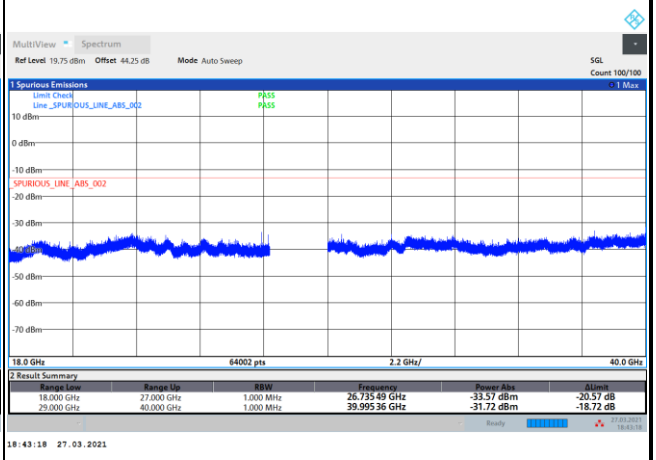
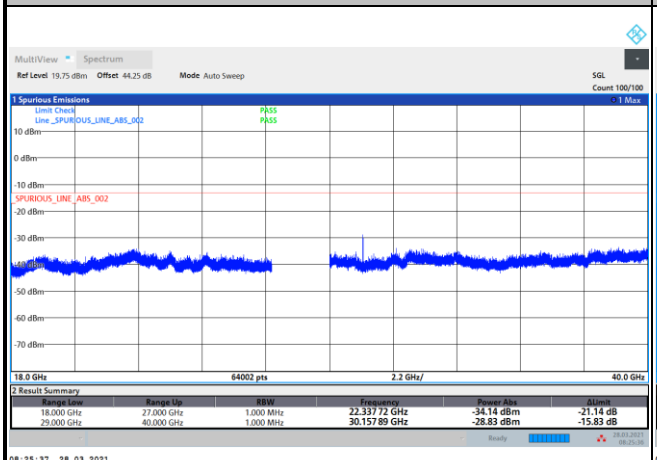
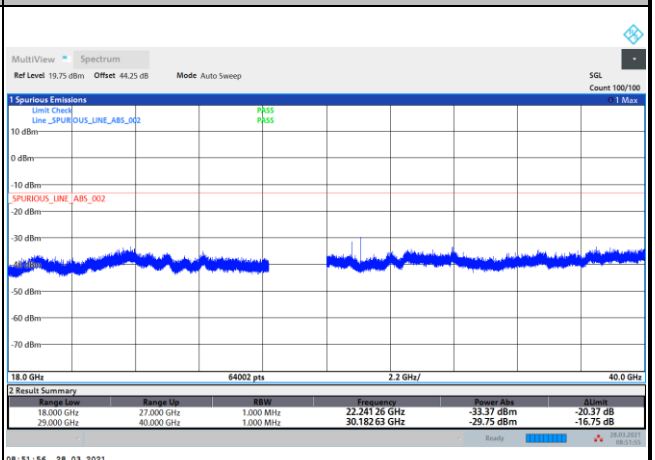
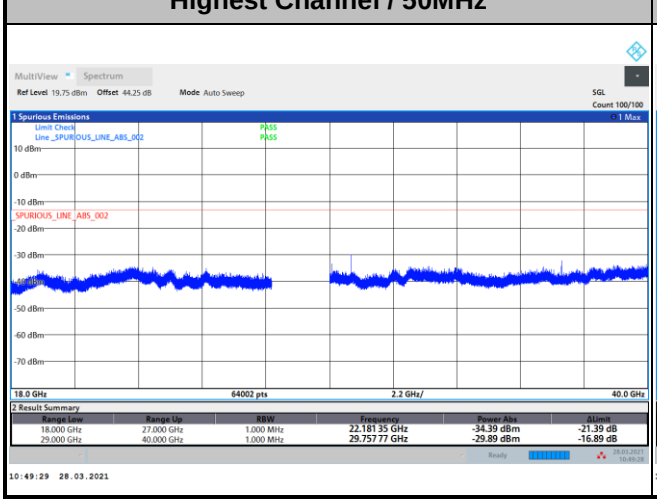
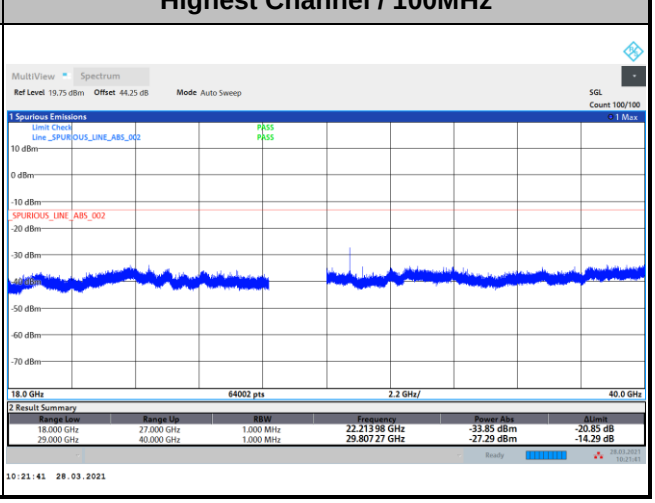
NR Band n261 BPSK (18-40GHz)	
Lowest Channel / 50MHz	**Lowest Channel / 100MHz**
	
Middle Channel / 50MHz	**Middle Channel / 100MHz**
	
Highest Channel / 50MHz	**Highest Channel / 100MHz**
	

DFT-s-OFDM Module 0

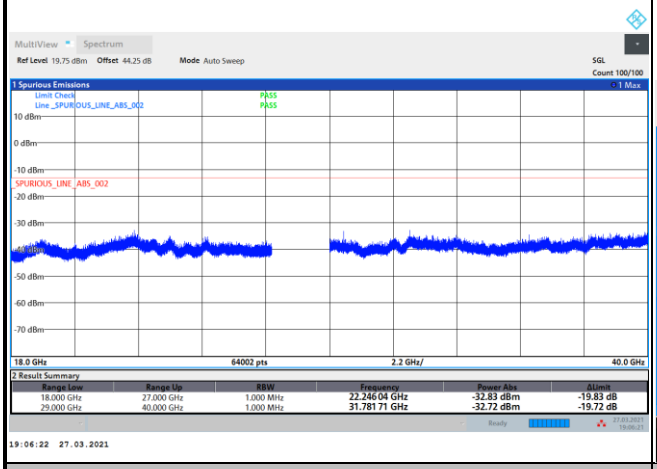
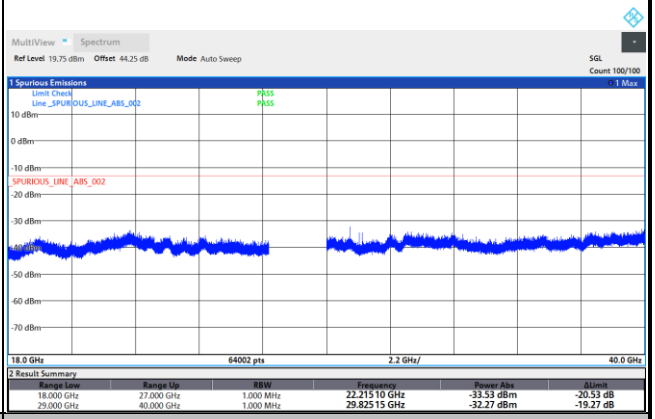
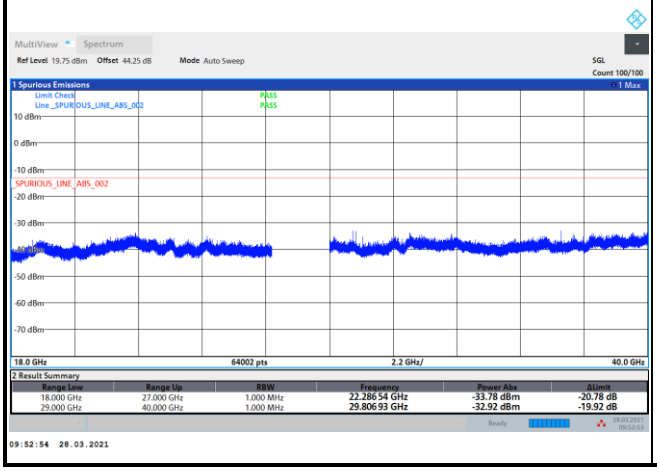
NR Band n261 BPSK (18-40GHz)	
Lowest Channel / 200MHz	**Middle Channel / 200MHz**
	
Highest Channel / 200MHz	
	**intentionally blank**

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.

DFT-s-OFDM Module 0

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 0

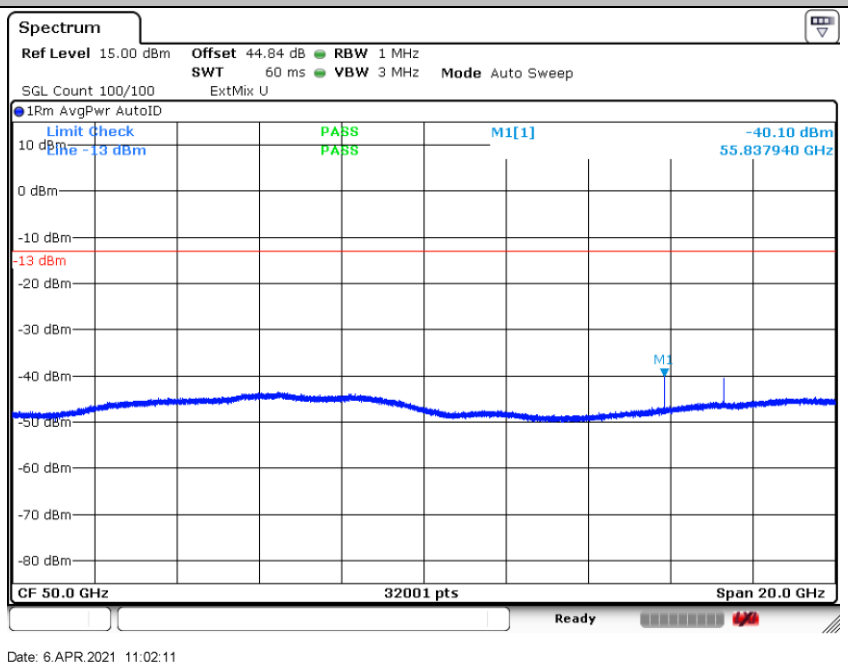
NR Band n261 QPSK (18-40GHz)	
Lowest Channel / 200MHz	**Middle Channel / 200MHz**
	
Highest Channel / 200MHz	
	**intentionally blank**

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.

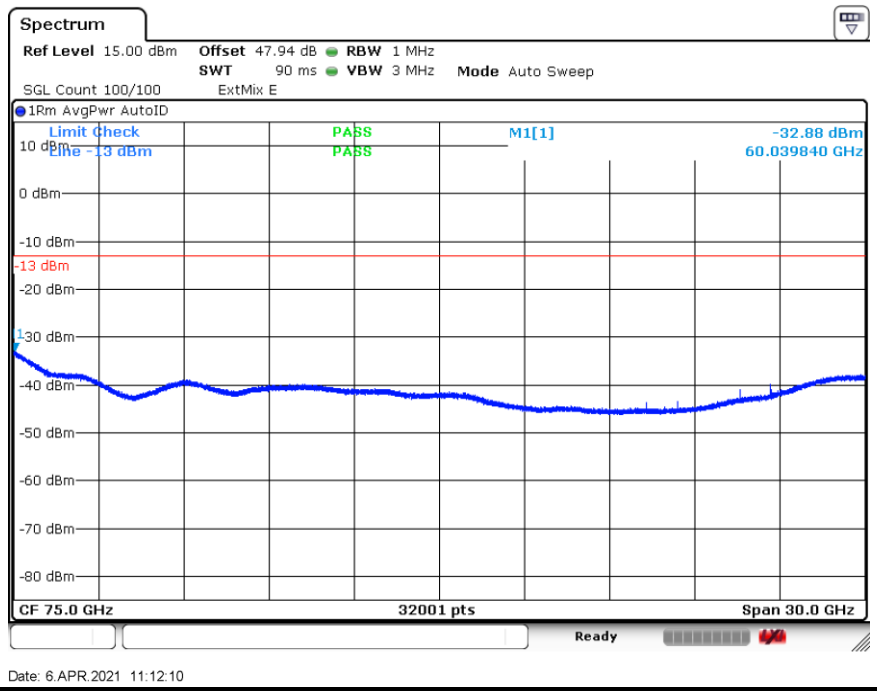
NR Band n261
(40GHz-60GHz)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 42.3 + 0.34 + 107 + 20log(1) – 104.8 = 44.84 (dB)

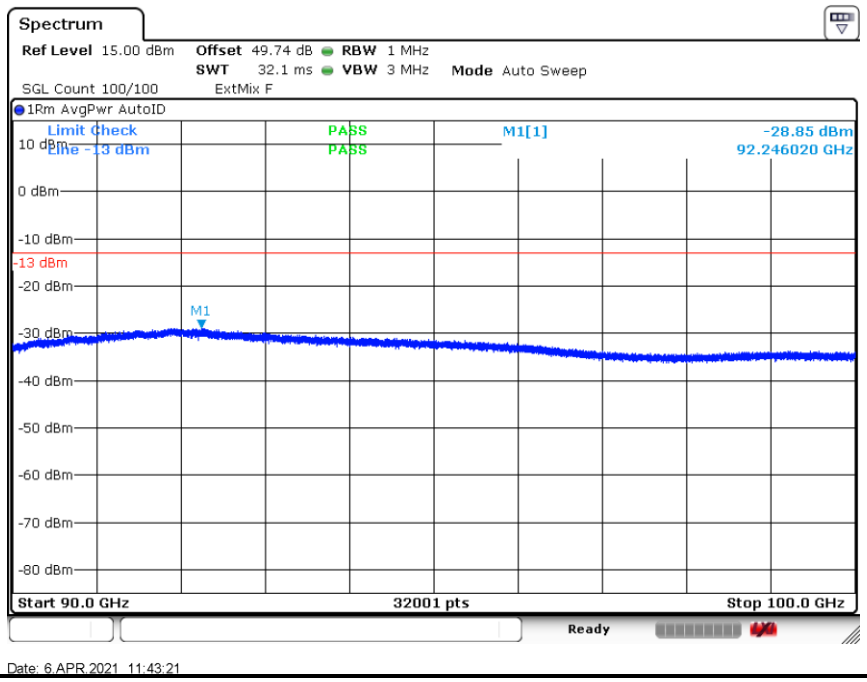
NR Band n261
(60GHz-90GHz)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 45.4 + 0.34 + 107 + 20log(1) – 104.8 = 47.94 (dB)

NR Band n261
(90GHz-100GHz)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 47.2 + 0.34 + 107 + 20log(1) – 104.8 = 49.74 (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.

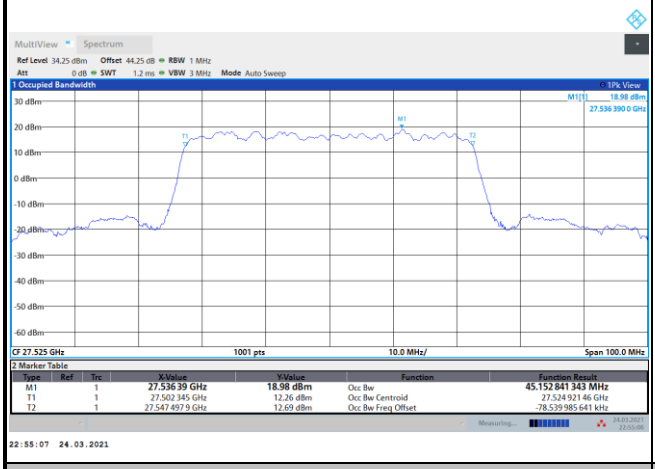
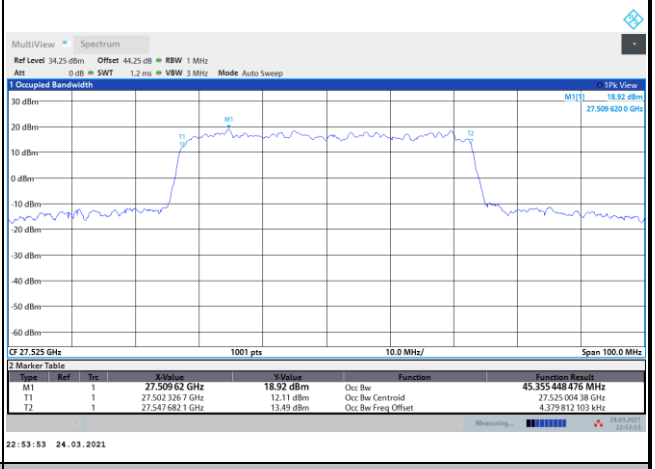
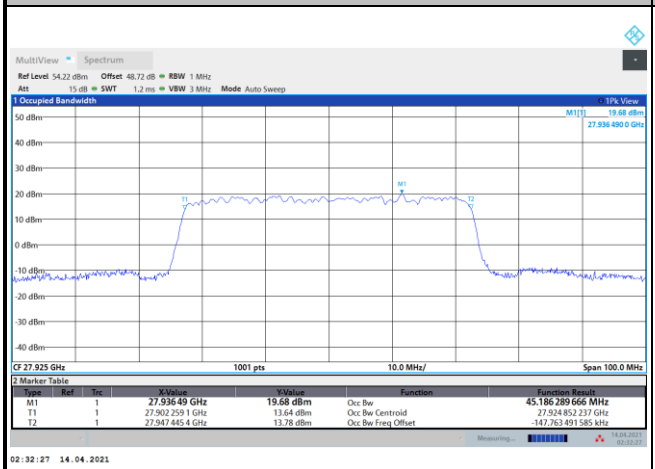
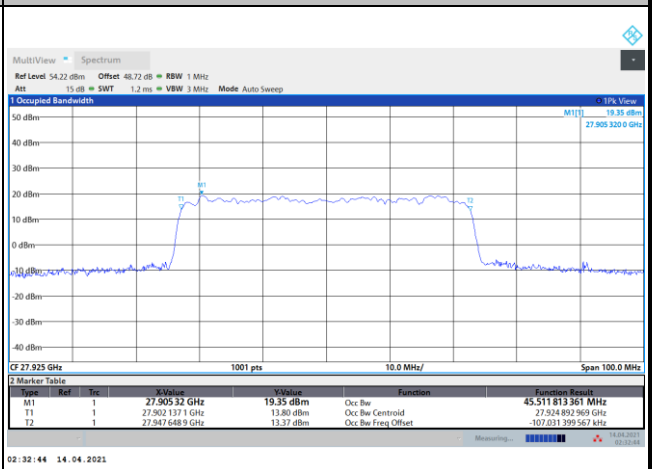
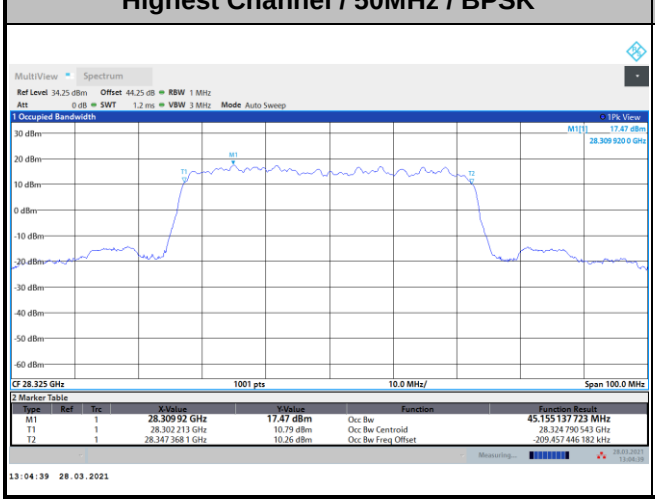
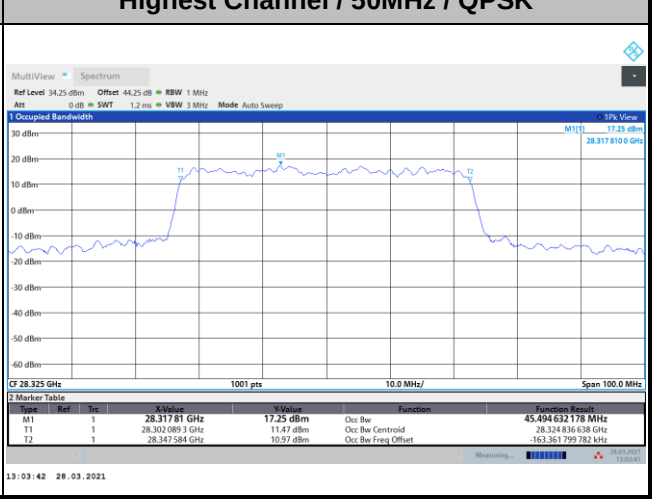
NR Band n261 AG0+1

Occupied Bandwidth

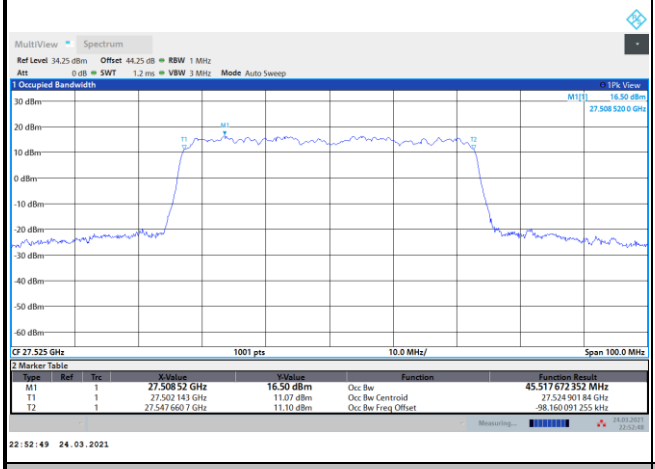
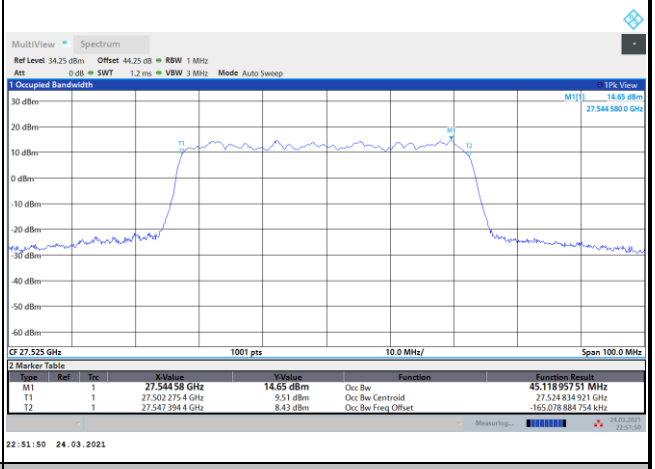
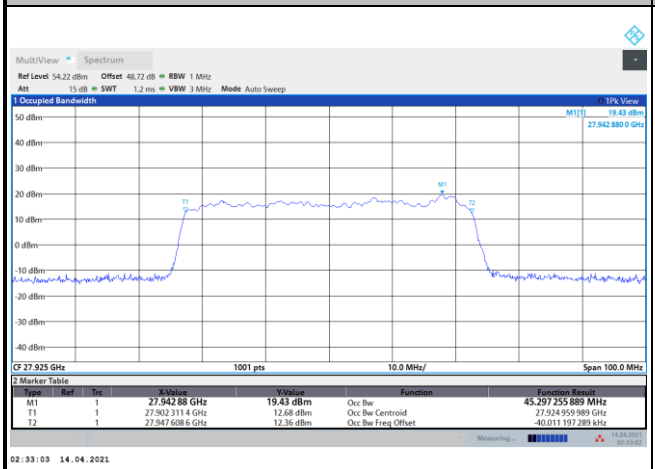
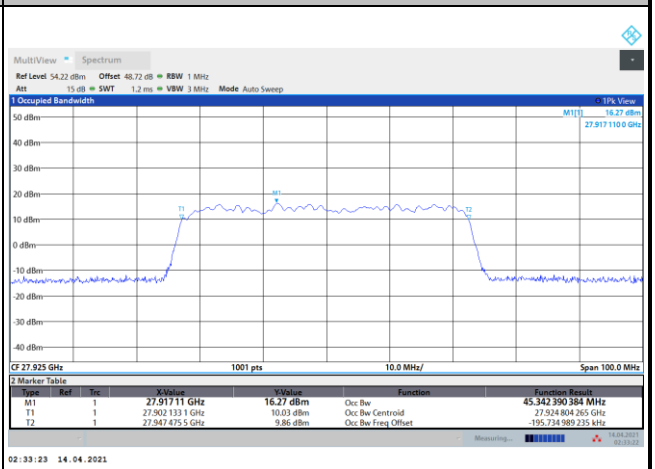
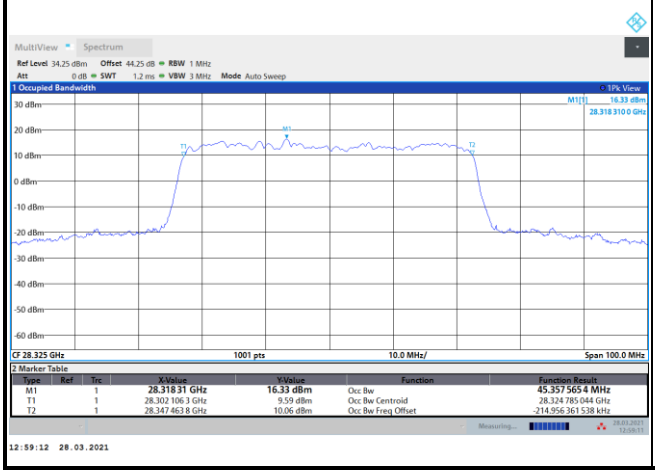
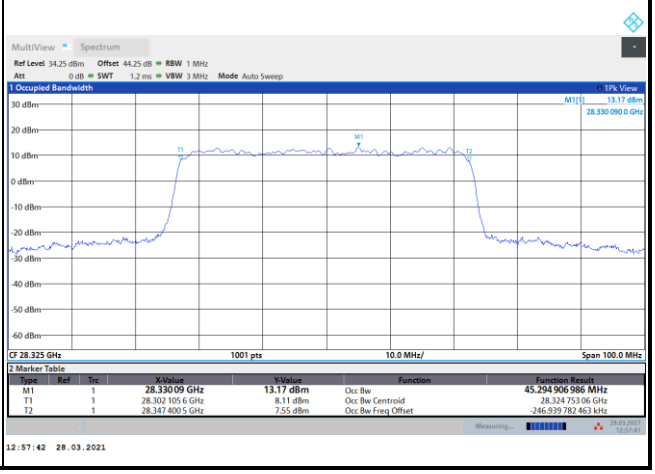
Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.15	45.35	45.51	45.11	90.24	90.54	90.51	90.17	188.67	188.84	189.26	188.70
Middle CH	45.18	45.51	45.29	45.34	89.96	90.49	90.62	90.32	188.40	188.78	189.07	188.72
Highest CH	45.15	45.49	45.35	45.29	90.16	90.45	90.27	90.31	189.09	188.91	188.54	189.01

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
Middle CH	45.25	45.14	45.16	-	-	-	-	-	-

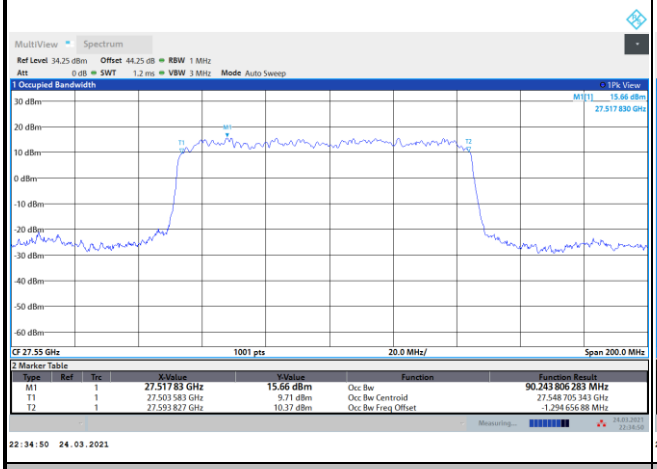
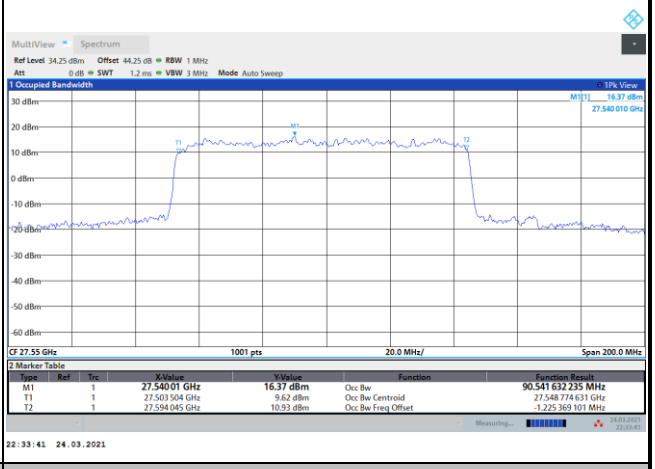
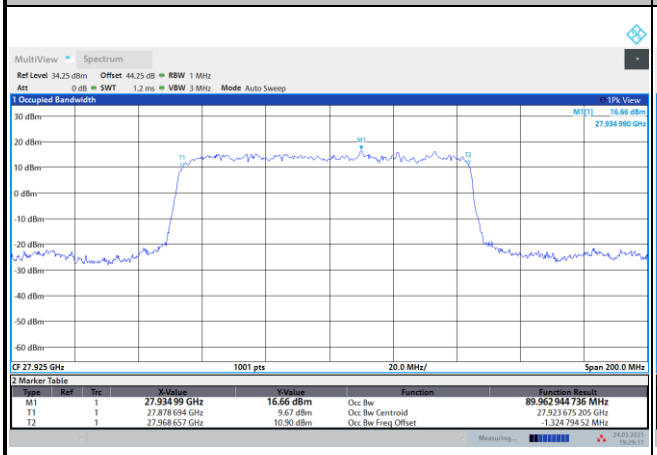
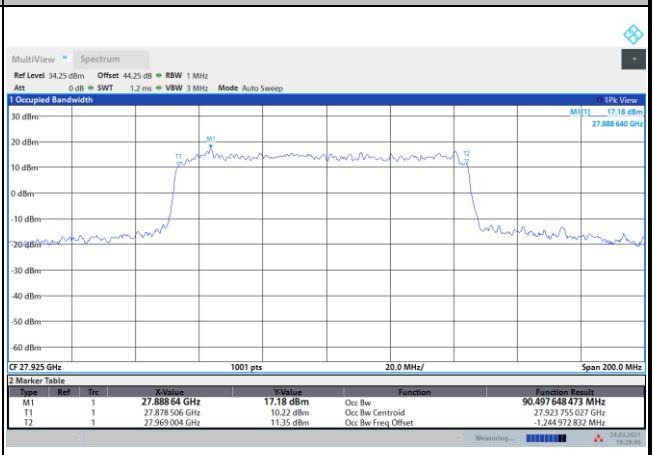
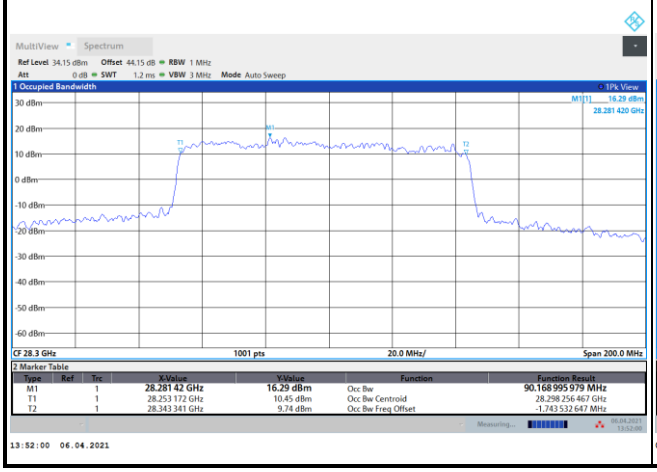
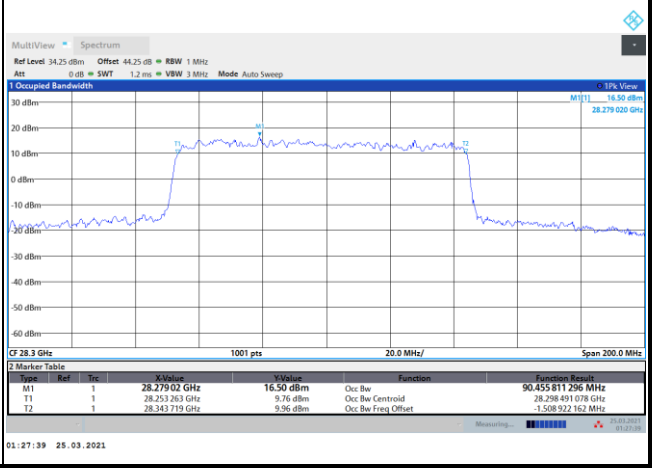
DFT-s-OFDM Module 0

NR Band n261	
Lowest Channel / 50MHz / BPSK	**Lowest Channel / 50MHz / QPSK**
	
Middle Channel / 50MHz / BPSK	**Middle Channel / 50MHz / QPSK**
	
Highest Channel / 50MHz / BPSK	**Highest Channel / 50MHz / QPSK**
	

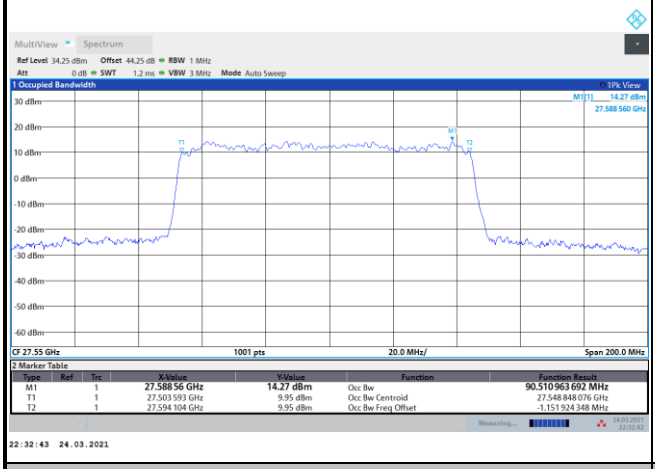
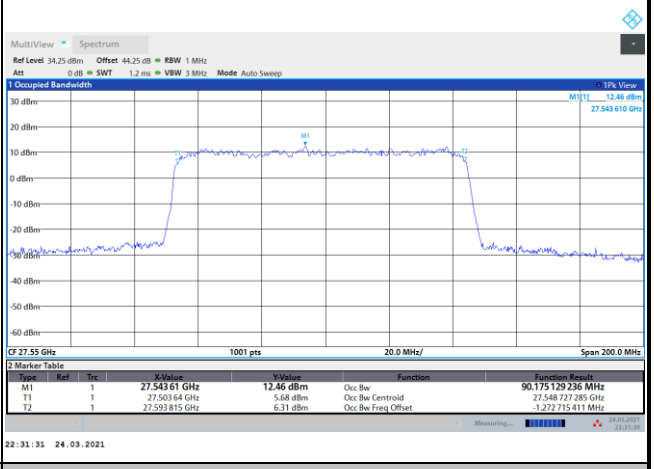
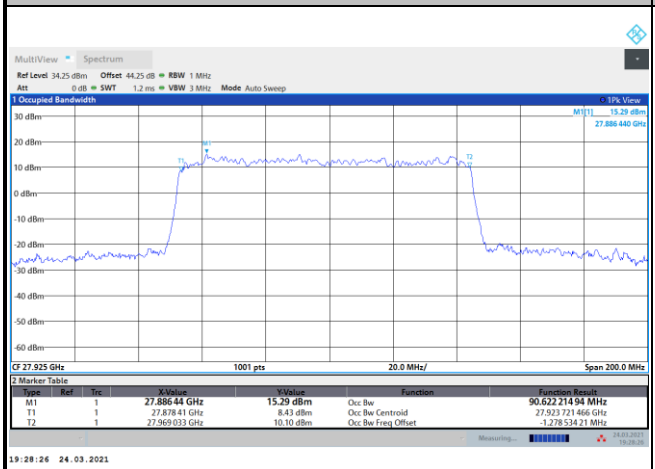
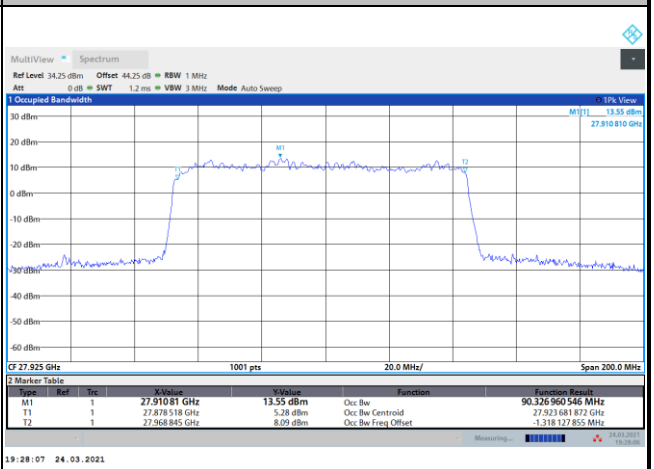
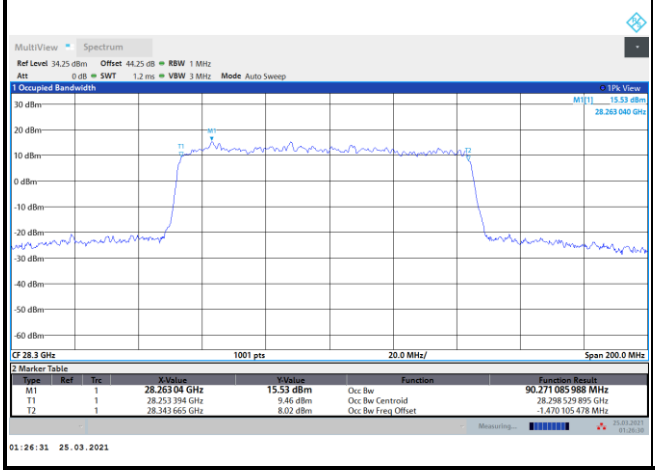
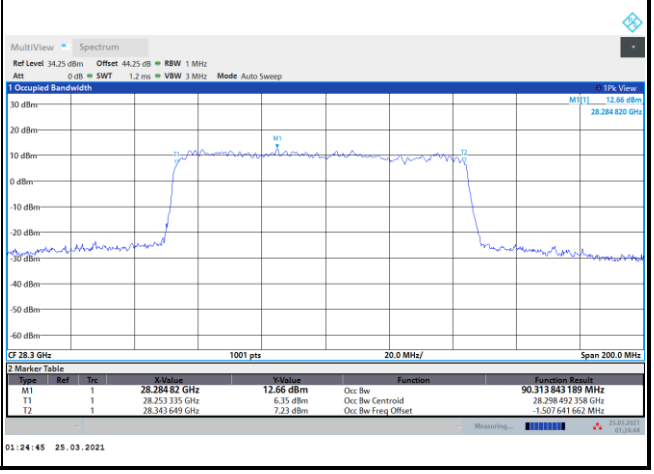
DFT-s-OFDM Module 0

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**
	

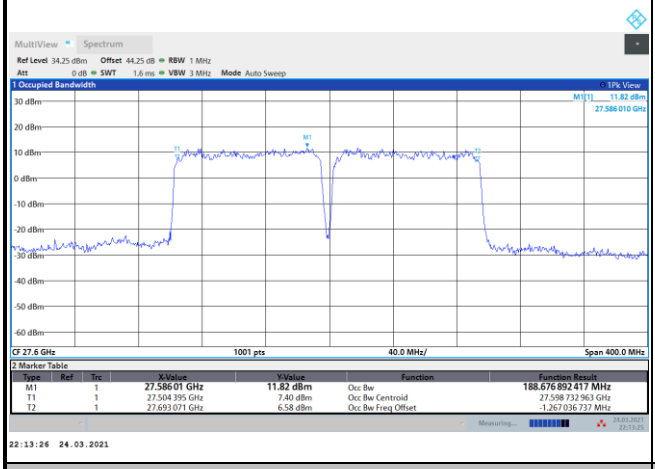
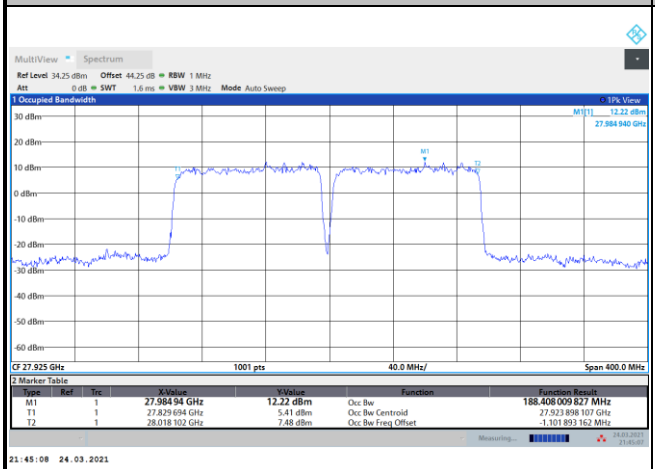
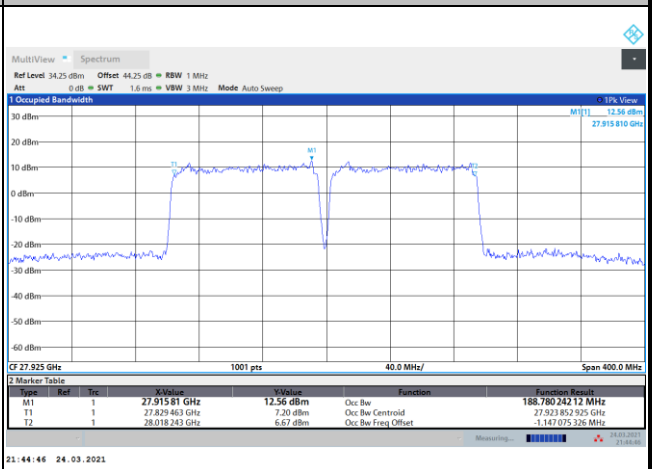
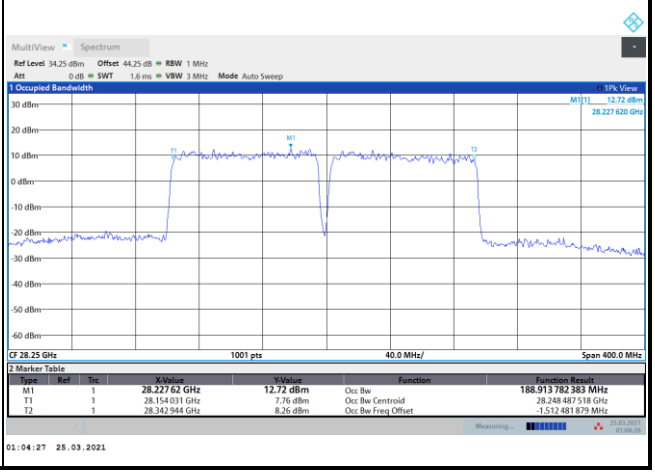
DFT-s-OFDM Module 0

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**
	

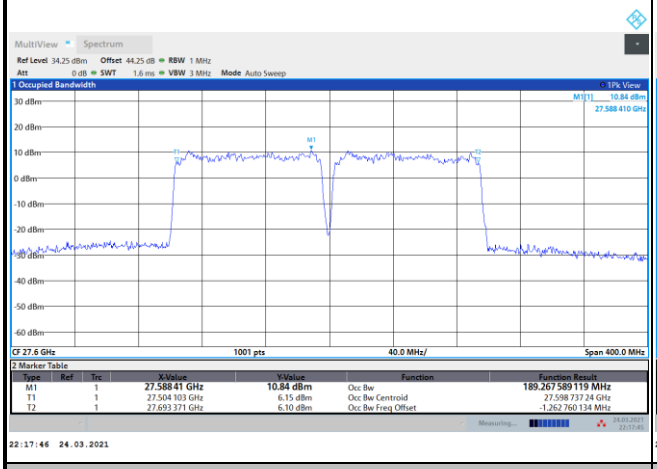
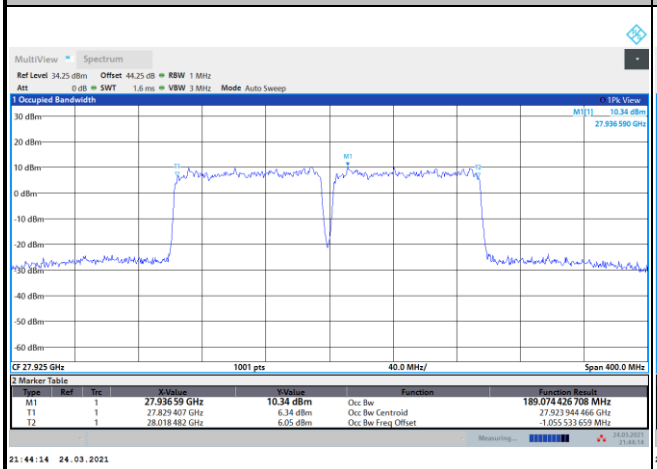
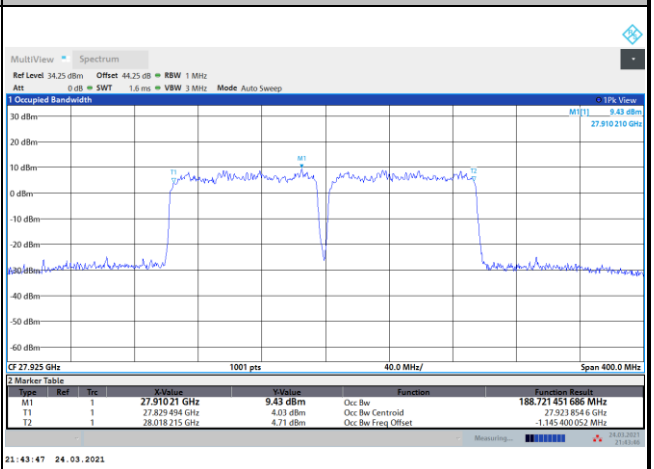
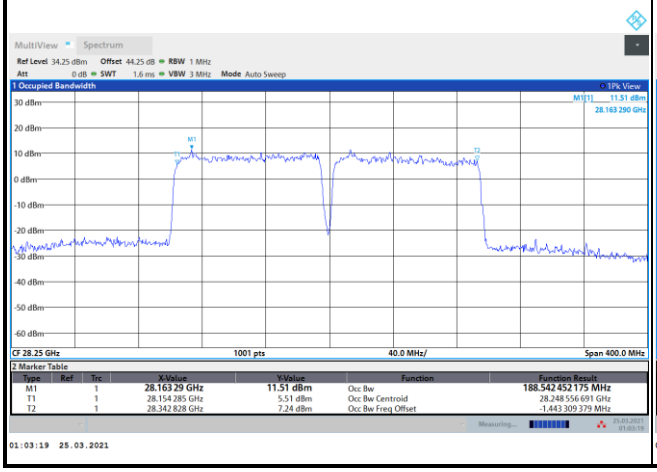
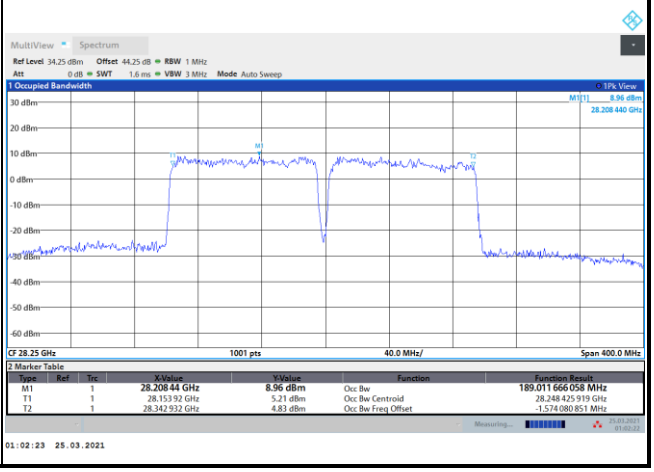
DFT-s-OFDM Module 0

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**
	

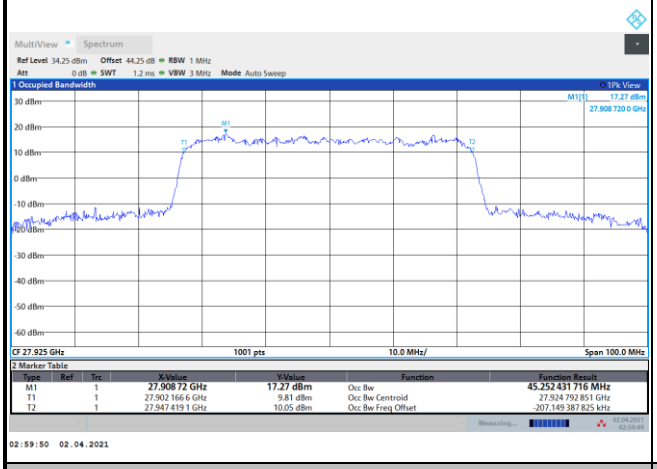
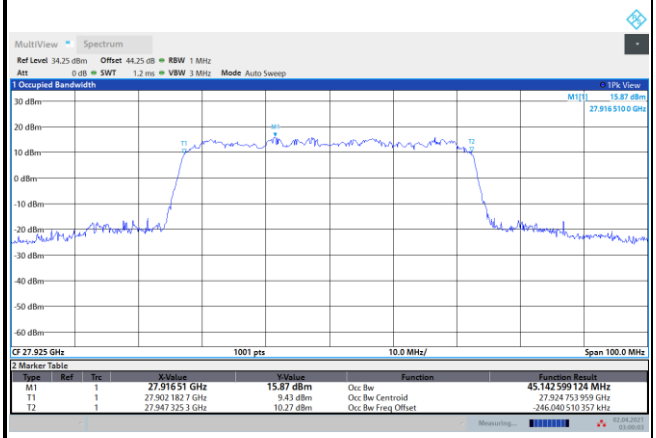
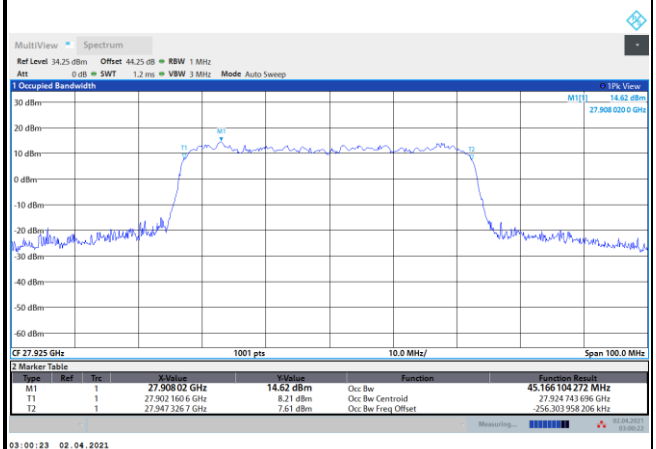
DFT-s-OFDM Module 0

NR Band n261	
Lowest Channel / 200MHz / 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 0

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 0

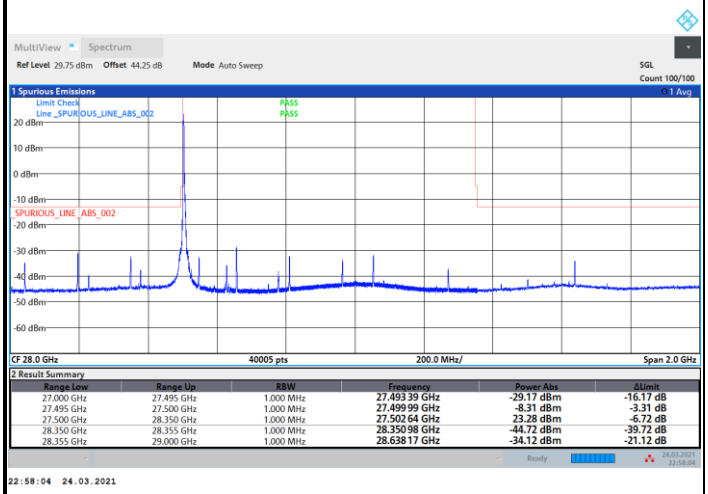
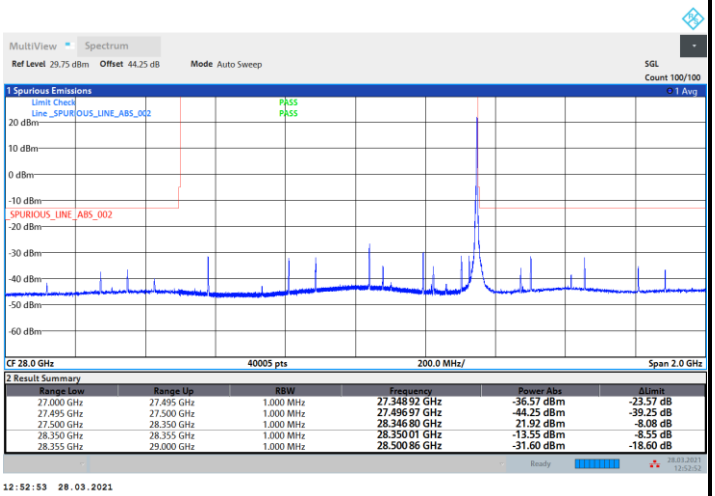
NR Band n261	
Middle Channel / 50MHz / QPSK	
	**intentionally blank**
Middle Channel / 50MHz / 16QAM	
	**intentionally blank**
Middle Channel / 50MHz / 64QAM	
	**intentionally blank**

Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 0 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	-8.31	-11.03	-11.60	-10.60	-11.30	-10.52	-12.69	-15.09	-19.06	-18.26	-17.18	-19.05
	>10%OB	≦-13	-29.17	-29.68	-30.92	-33.16	-30.88	-31.43	-32.18	-34.32	-21.95	-22.08	-20.52	-19.82
High CH	0~10%OB	≦-5	-13.55	-16.00	-14.90	-16.54	-12.59	-12.81	-14.61	-17.45	-22.03	-21.43	-21.67	-21.21
	>10%OB	≦-13	-31.60	-31.57	-33.02	-34.75	-32.06	-31.26	-32.69	-35.39	-24.79	-23.80	-24.39	-22.23
Result			Compliance											

Mode			DFT-s-OFDM Module 0 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	-22.24	-20.65	-25.23	-27.46	-27.58	-23.67	-29.50	-32.51	-31.82	-31.98	-32.51	-35.08
	>10%OB	≦-13	-27.28	-22.36	-29.65	-32.28	-32.29	-25.95	-32.80	-34.94	-33.41	-32.92	-34.26	-35.99
High CH	0~10%OB	≦-5	-23.61	-19.84	-26.25	-30.54	-24.61	-22.78	-30.45	-33.30	-31.80	-31.44	-34.27	-36.31
	>10%OB	≦-13	-27.97	-21.77	-27.72	-31.88	-27.54	-25.64	-32.24	-35.32	-33.72	-32.94	-35.43	-37.53
Result			Compliance											

DFT-s-OFDM Module 0

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**