

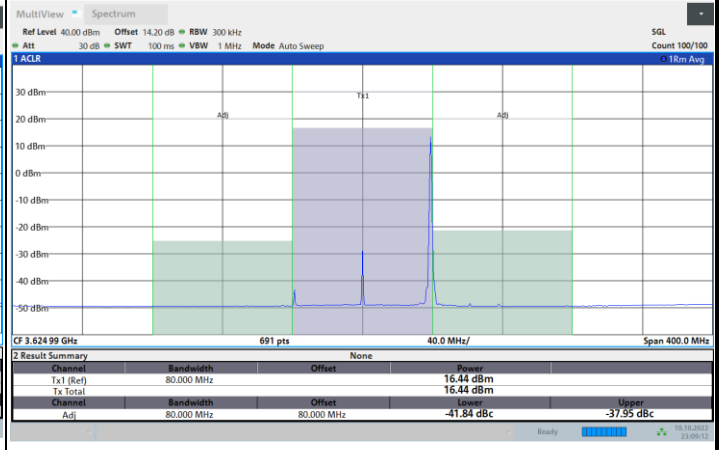
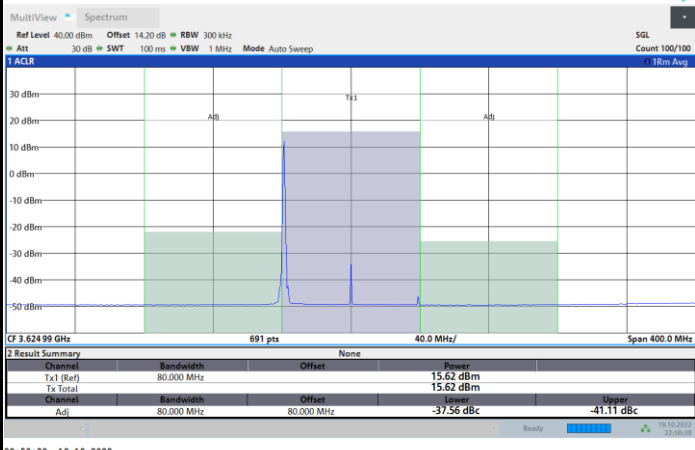


FR1 N77 / 80MHz / CP OFDM / 16QAM

Middle Channel

1RB0

1RBmax



Full RB



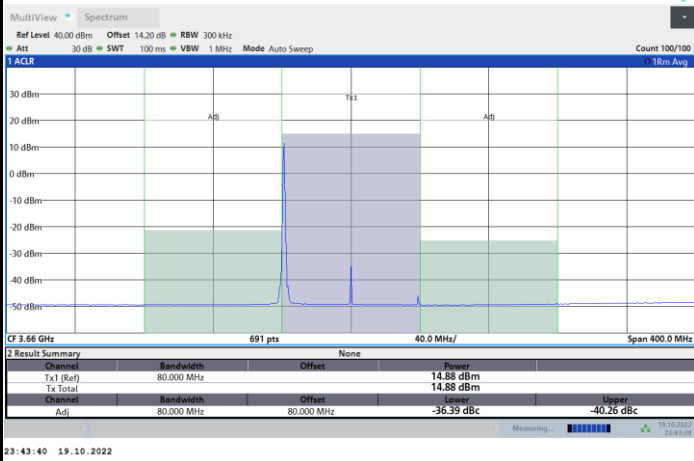


FR1 N77 / 80MHz / CP OFDM / 16QAM

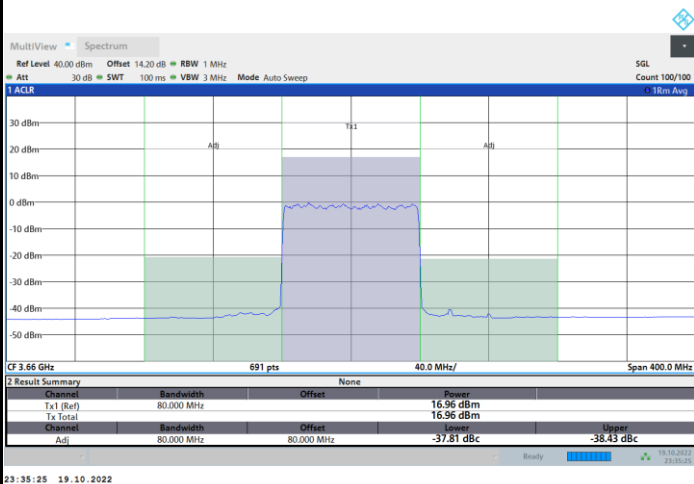
Highest Channel

1RB0

1RBmax



Full RB



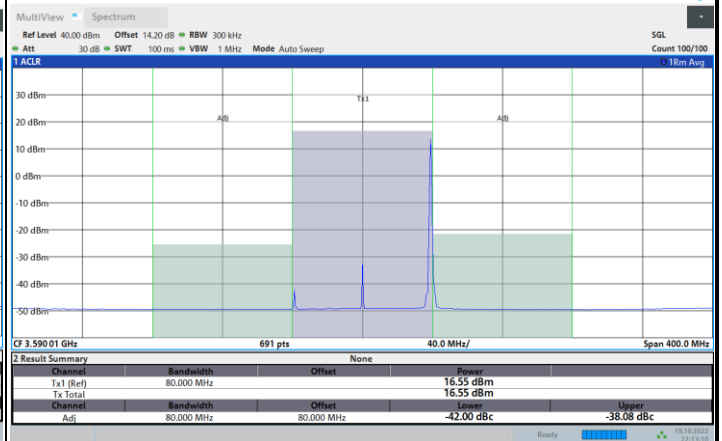
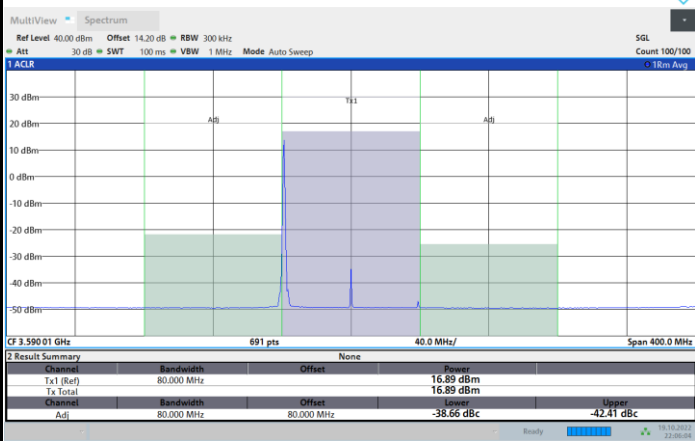


FR1 N77 / 80MHz / CP OFDM / 64QAM

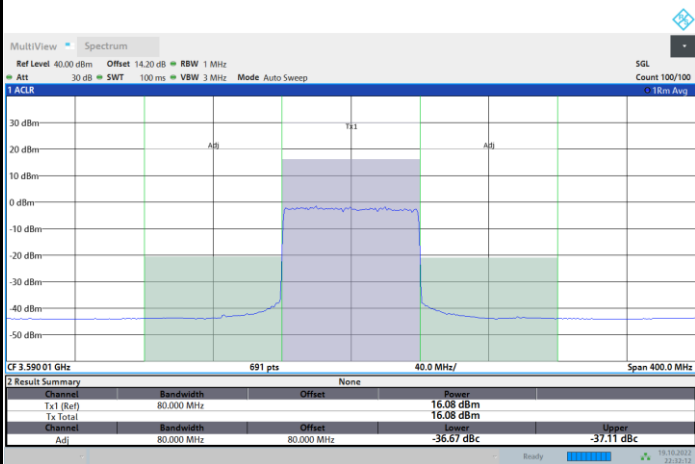
Lowest Channel

1RB0

1RBmax



Full RB



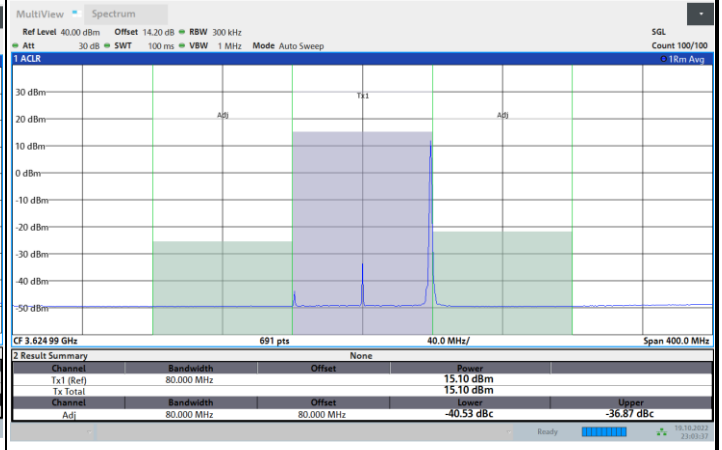
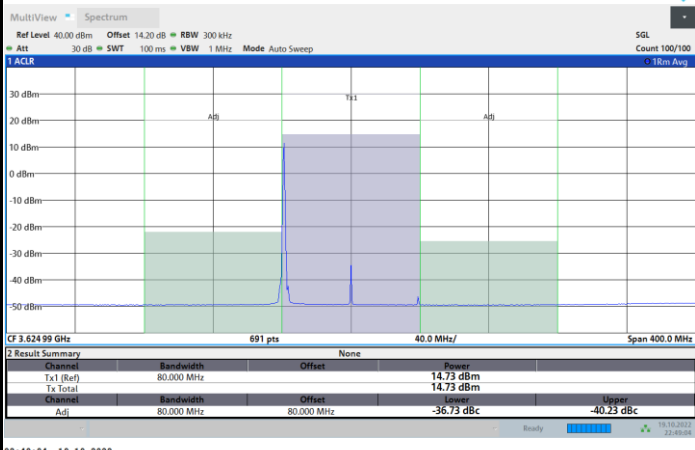


FR1 N77 / 80MHz / CP OFDM / 64QAM

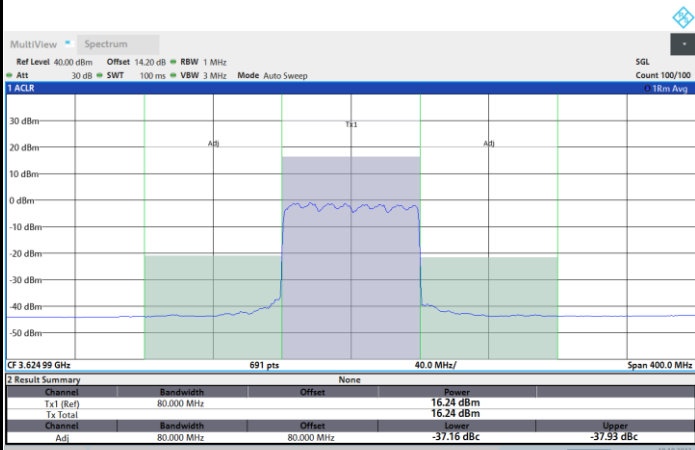
Middle Channel

1RB0

1RBmax



Full RB



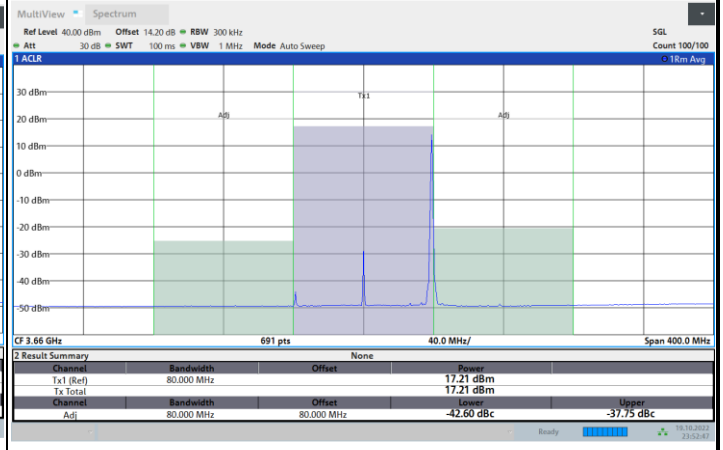
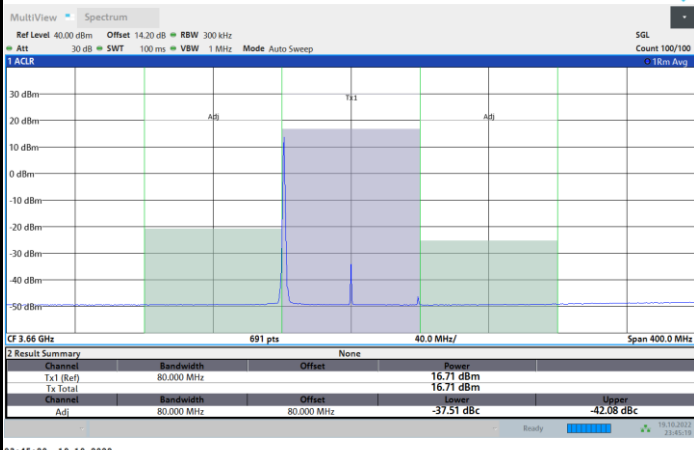


FR1 N77 / 80MHz / CP OFDM / 64QAM

Highest Channel

1RB0

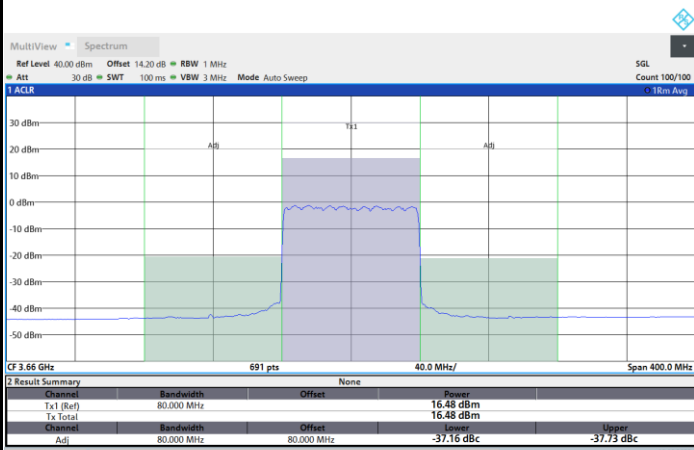
1RBmax



23:45:20 19.10.2022

23:52:48 19.10.2022

Full RB



23:33:40 19.10.2022

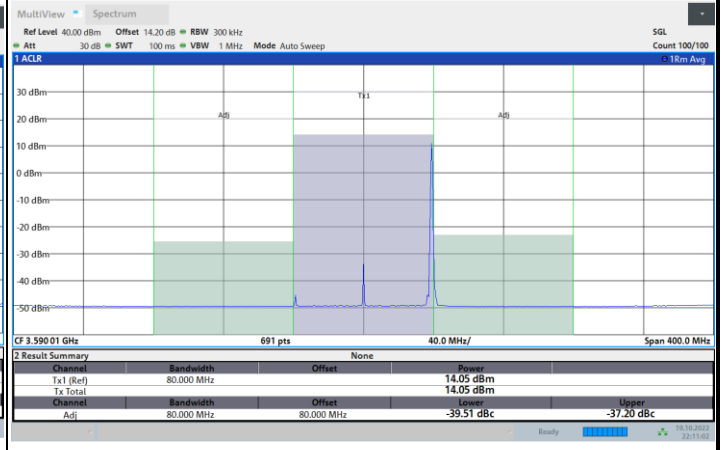
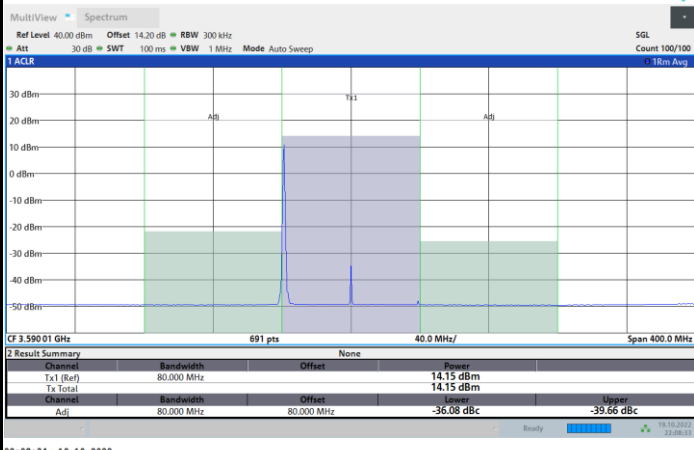


FR1 N77 / 80MHz / CP OFDM / 256QAM

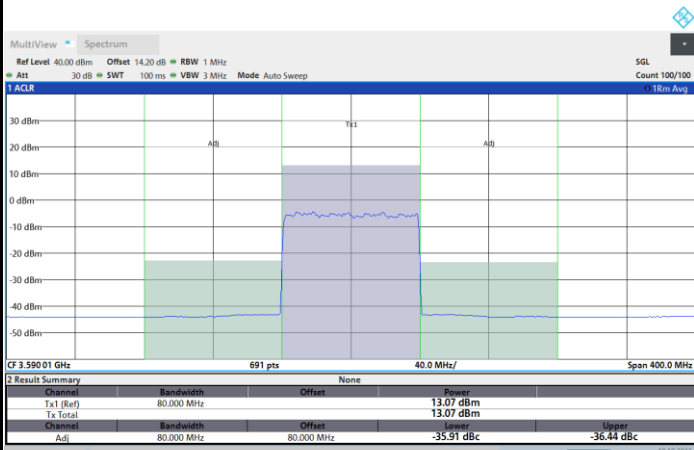
Lowest Channel

1RB0

1RBmax



Full RB



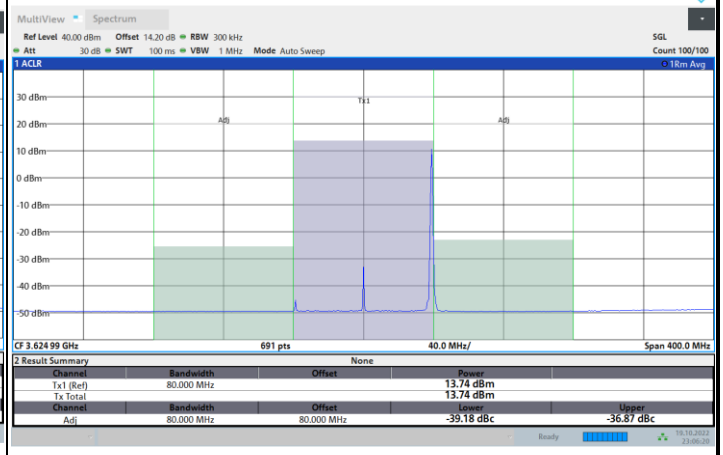
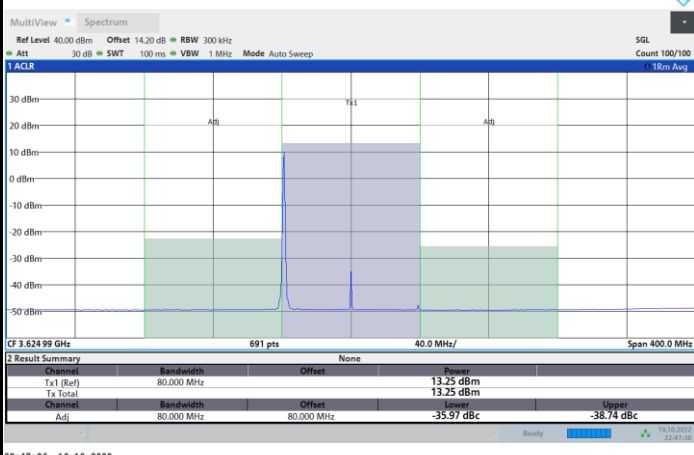


FR1 N77 / 80MHz / CP OFDM / 256QAM

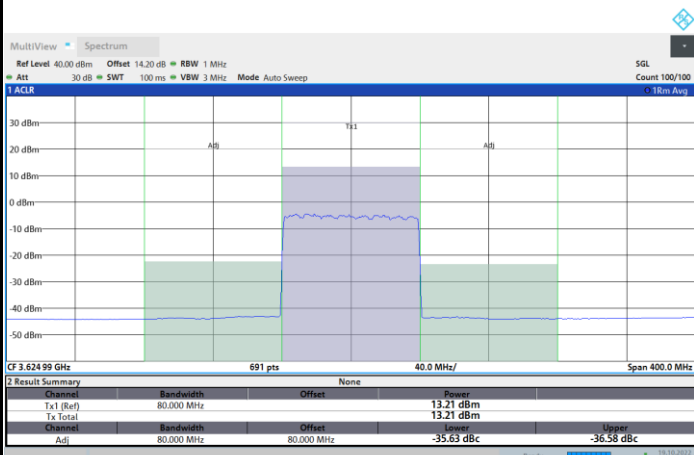
Middle Channel

1RB0

1RBmax



Full RB



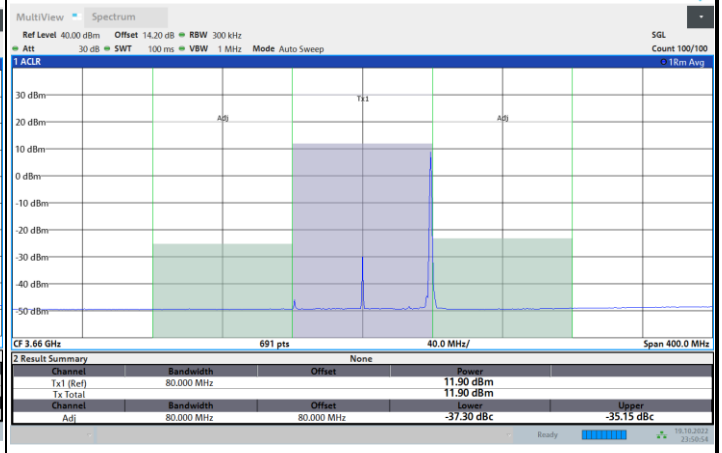
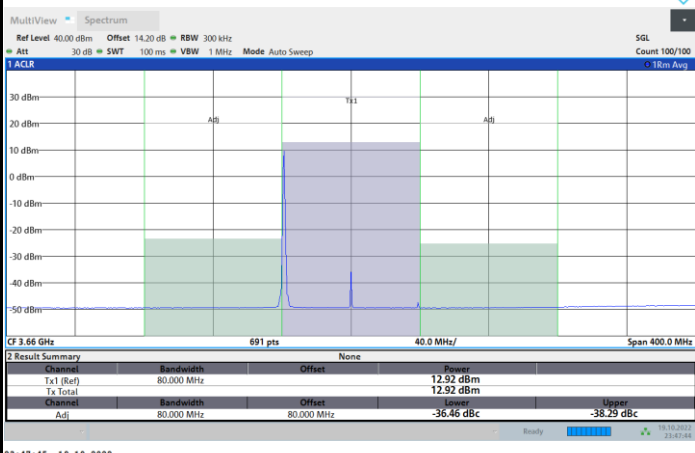


FR1 N77 / 80MHz / CP OFDM / 256QAM

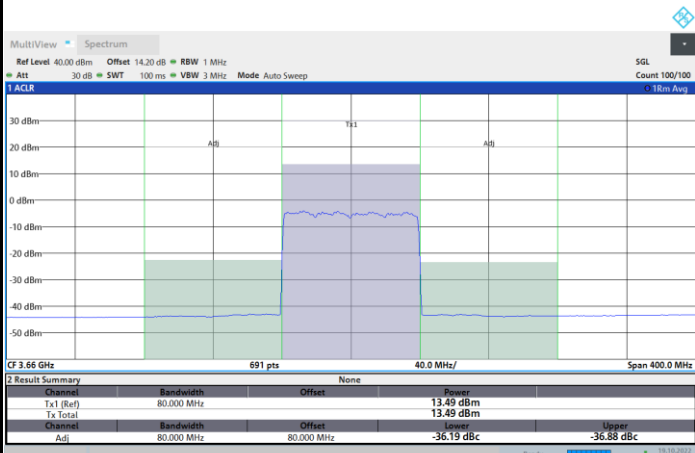
Highest Channel

1RB0

1RBmax



Full RB





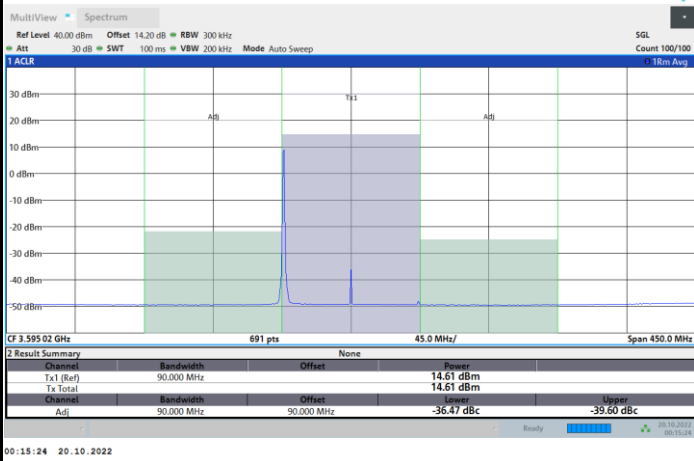


FR1 N77 / 90MHz / CP OFDM / QPSK

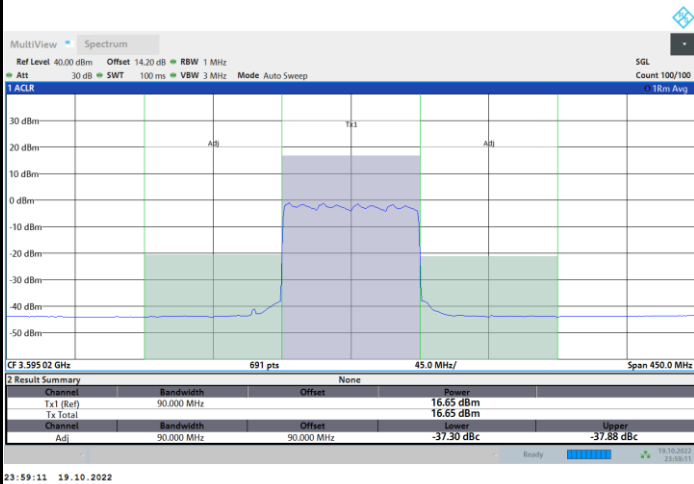
Lowest Channel

1RB0

1RBmax



Full RB



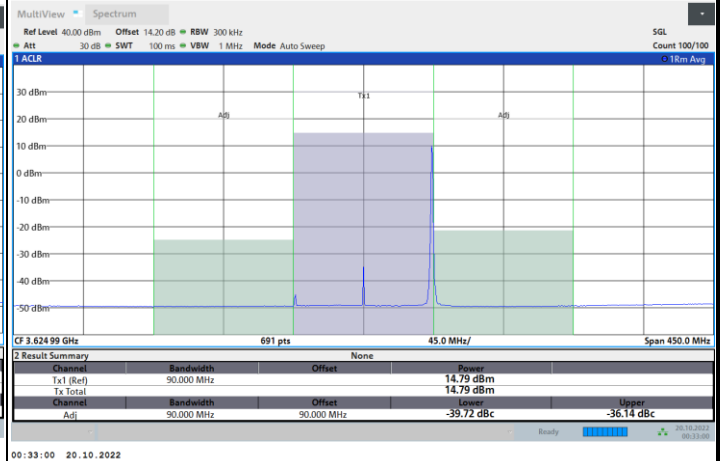
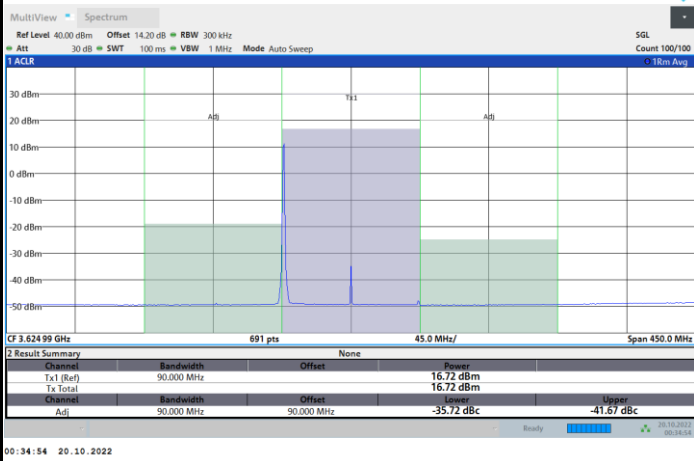


FR1 N77 / 90MHz / CP OFDM / QPSK

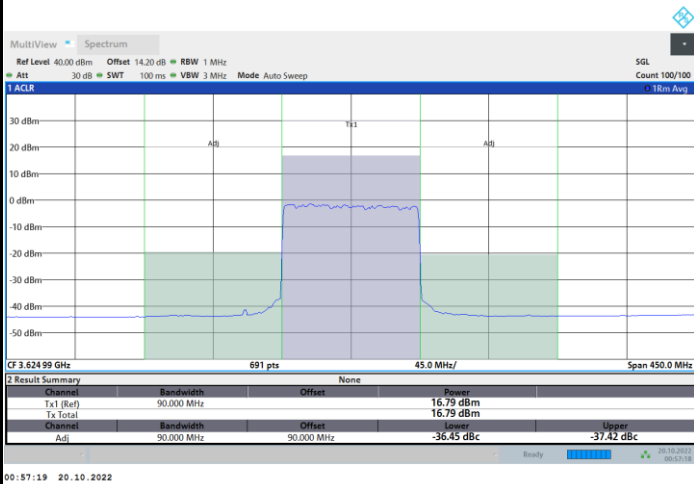
Middle Channel

1RB0

1RBmax



Full RB



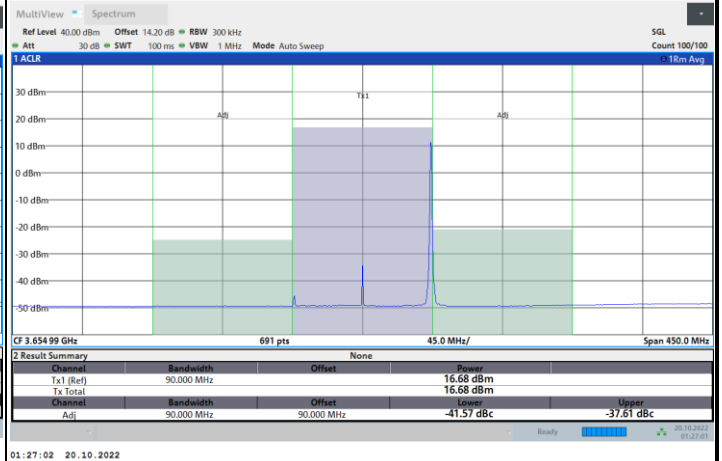
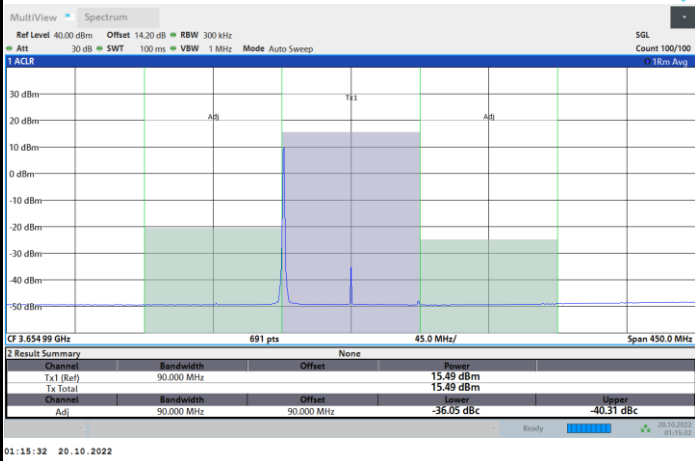


FR1 N77 / 90MHz / CP OFDM / QPSK

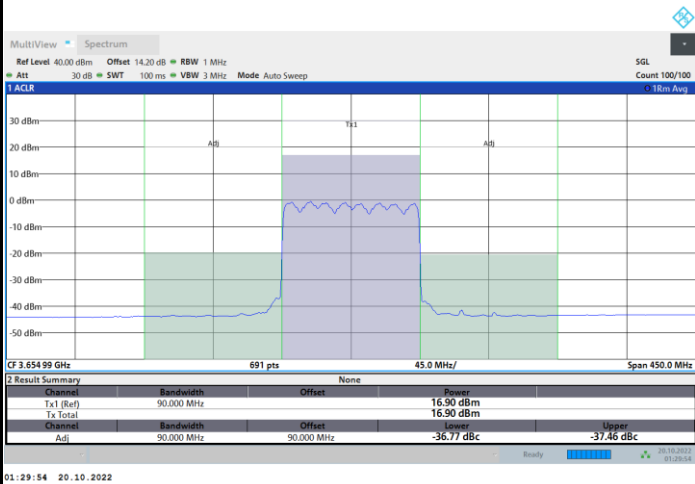
Highest Channel

1RB0

1RBmax



Full RB



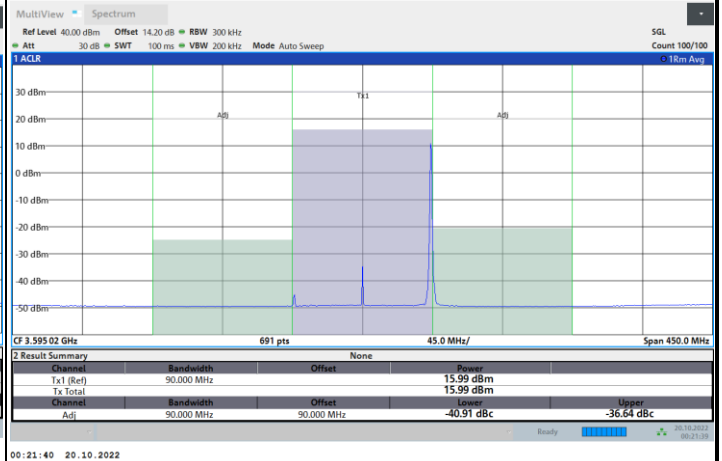
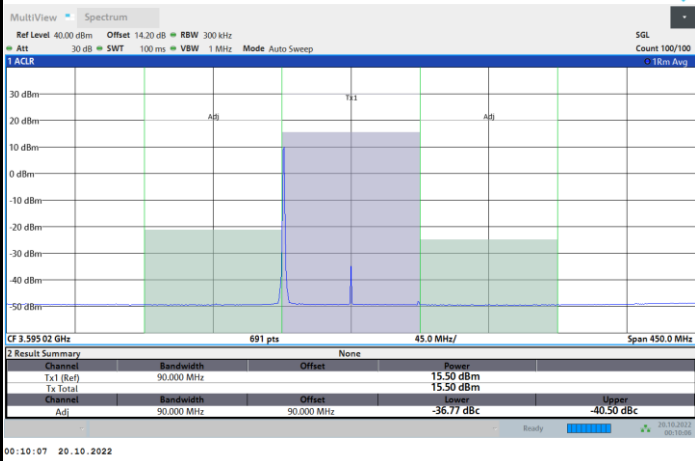


FR1 N77 / 90MHz / CP OFDM / 16QAM

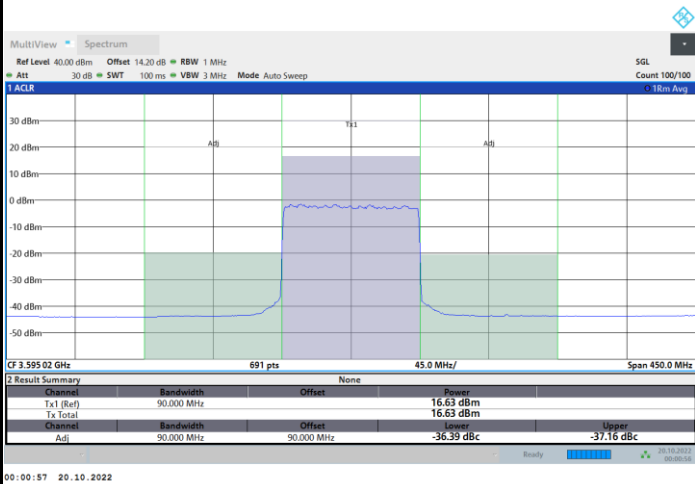
Lowest Channel

1RB0

1RBmax



Full RB



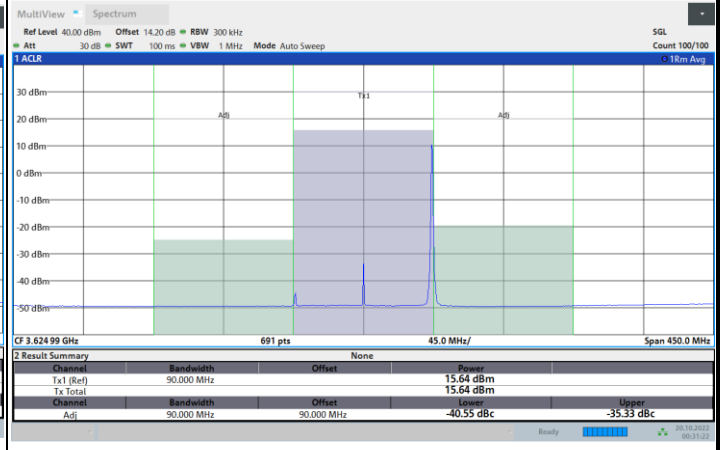
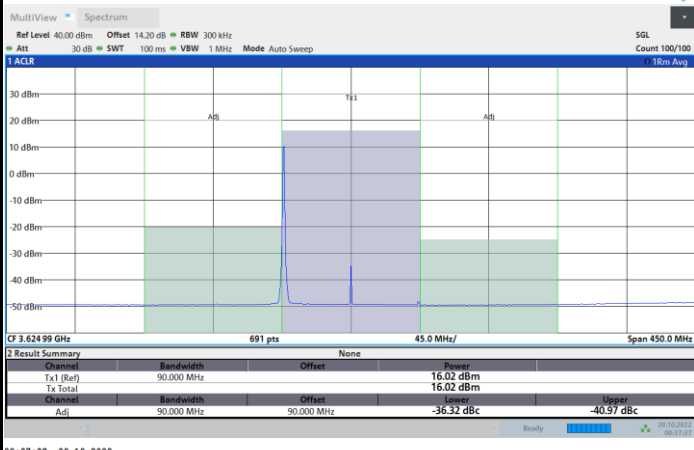


FR1 N77 / 90MHz / CP OFDM / 16QAM

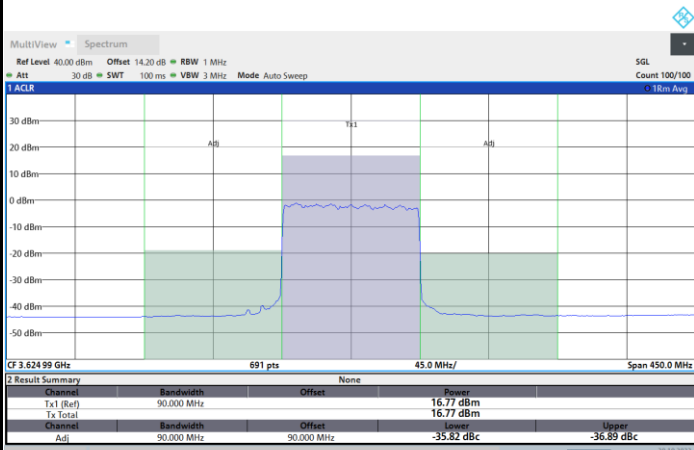
Middle Channel

1RB0

1RBmax



Full RB



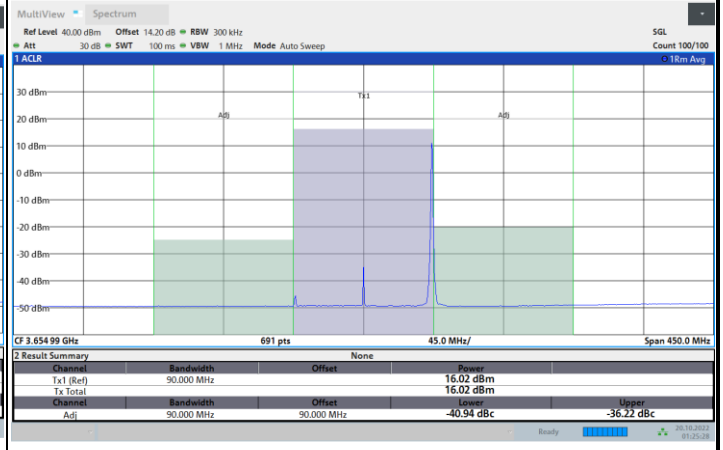
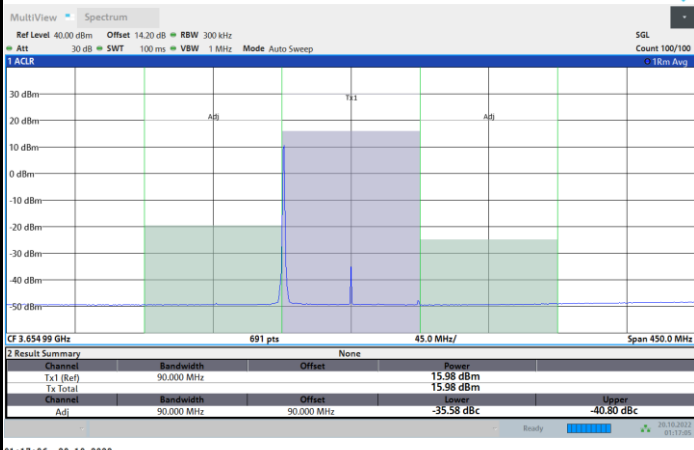


FR1 N77 / 90MHz / CP OFDM / 16QAM

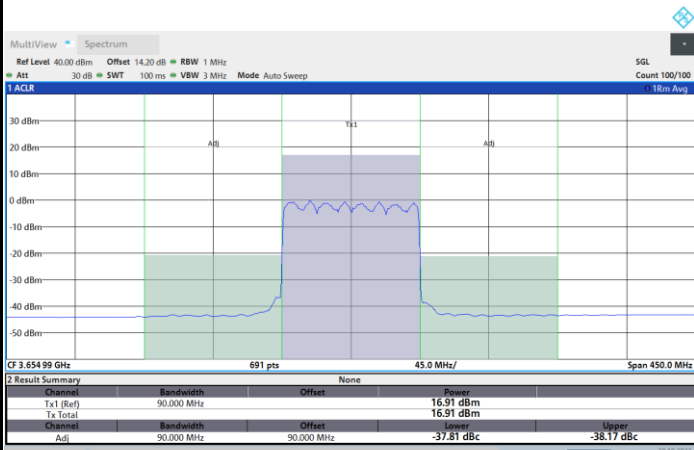
Highest Channel

1RB0

1RBmax



Full RB



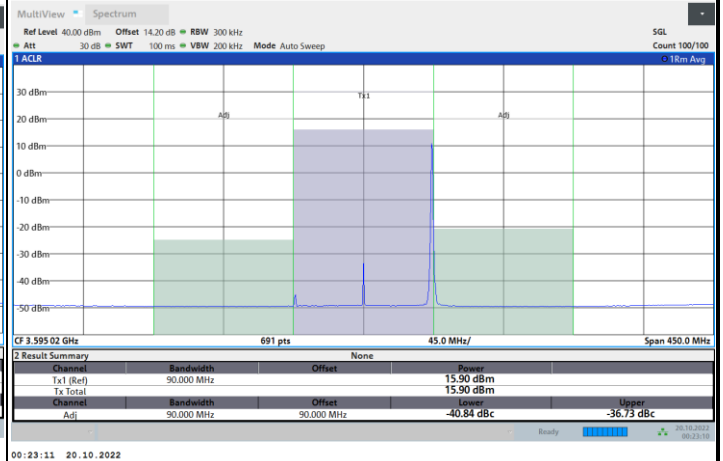
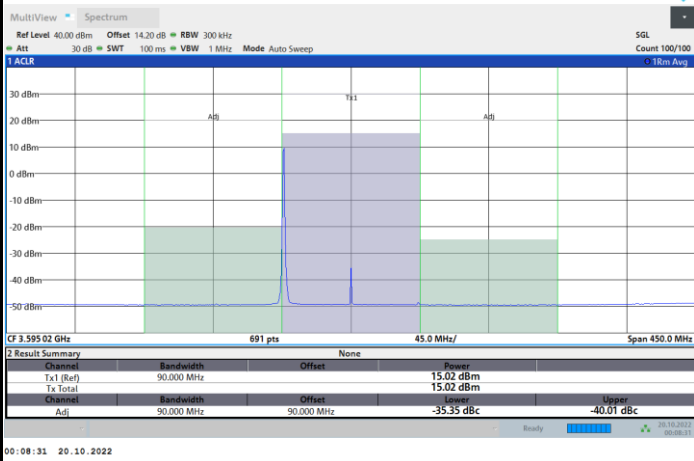


FR1 N77 / 90MHz / CP OFDM / 64QAM

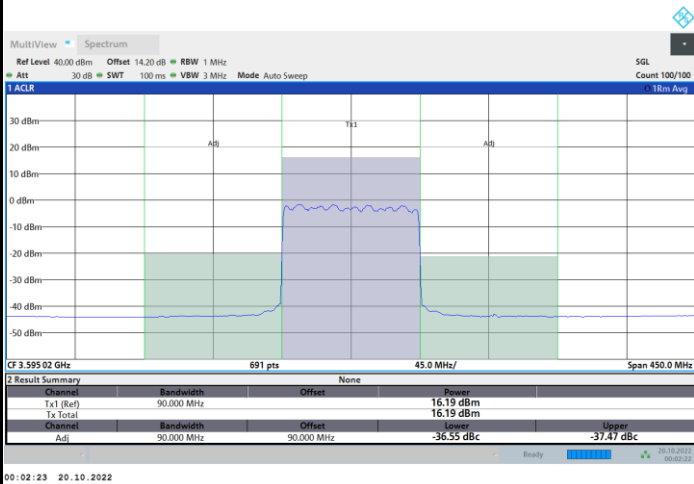
Lowest Channel

1RB0

1RBmax



Full RB



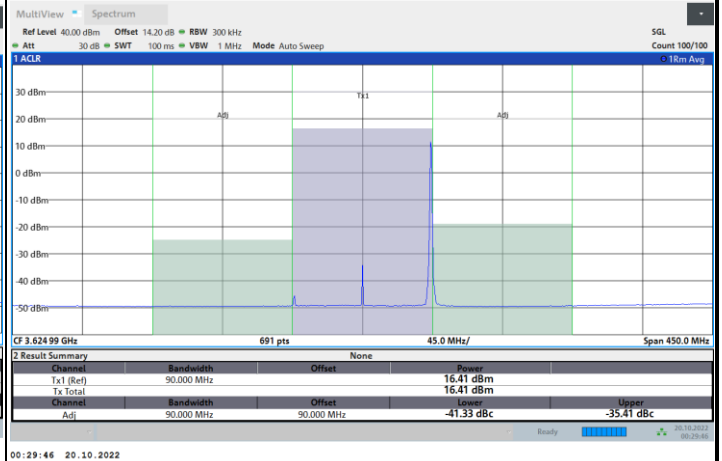
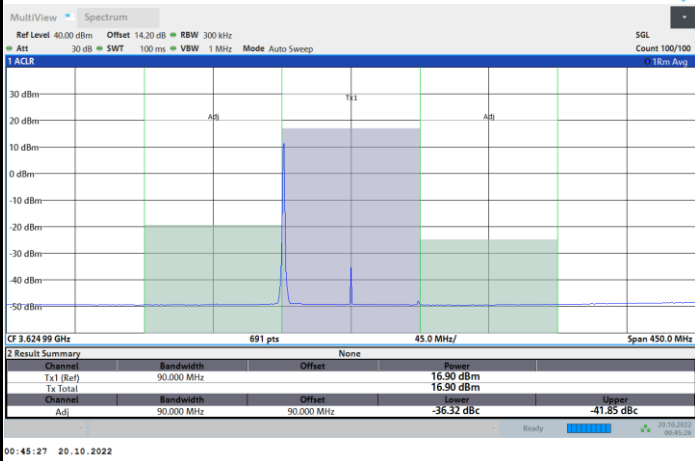


FR1 N77 / 90MHz / CP OFDM / 64QAM

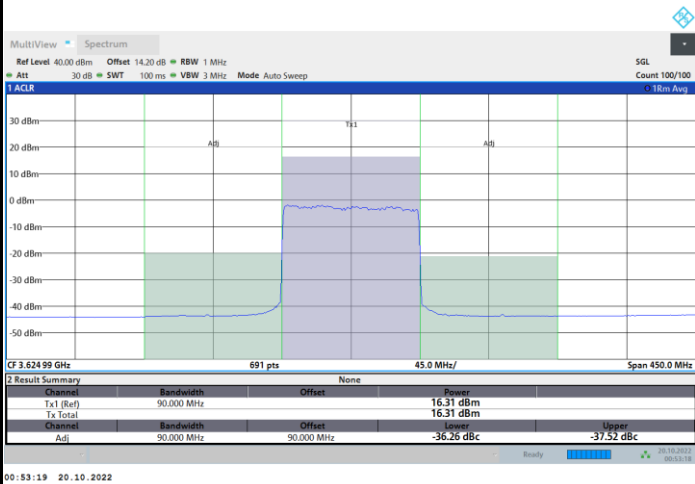
Middle Channel

1RB0

1RBmax



Full RB





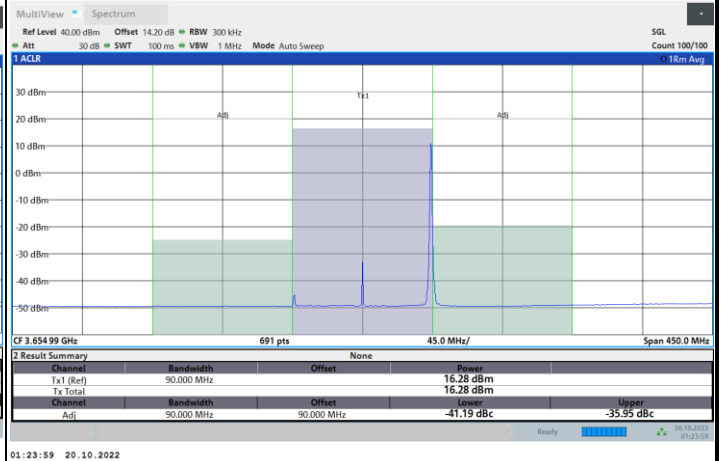
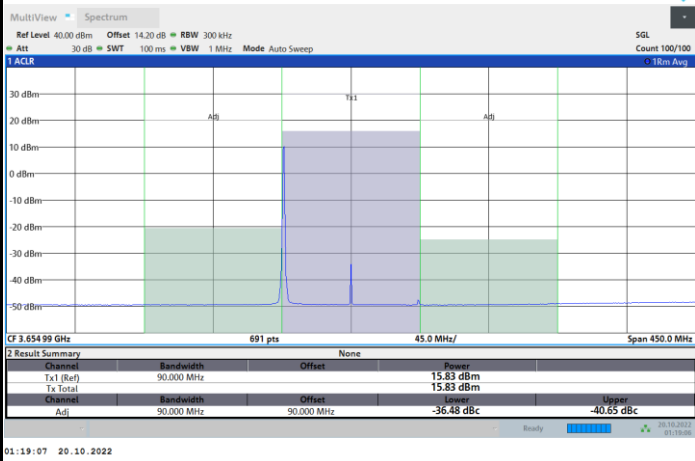


FR1 N77 / 90MHz / CP OFDM / 64QAM

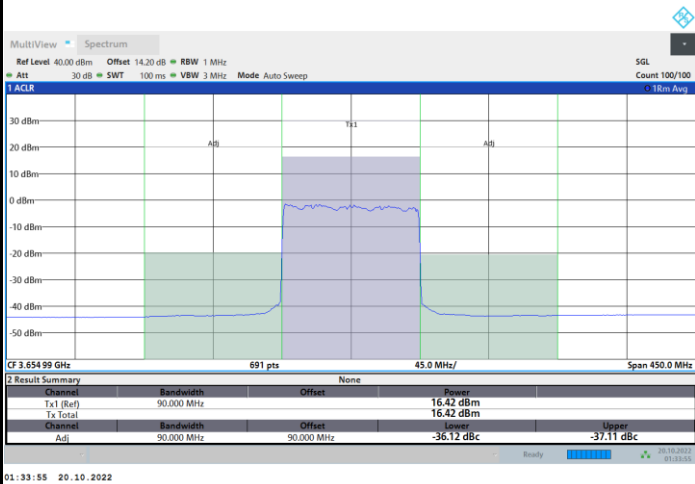
Highest Channel

1RB0

1RBmax



Full RB



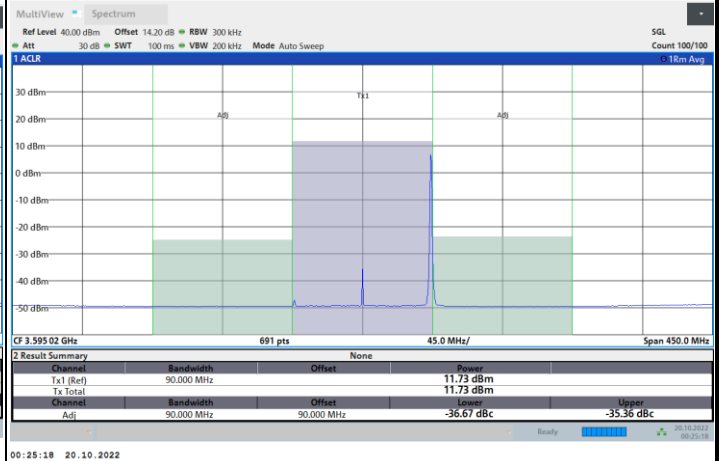
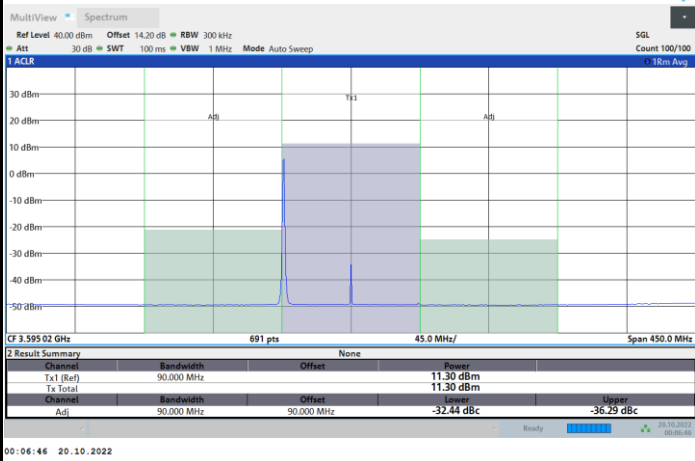


FR1 N77 / 90MHz / CP OFDM / 256QAM

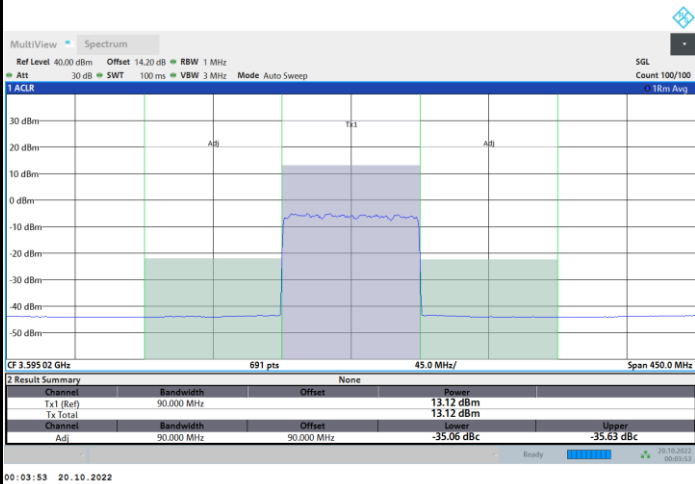
Lowest Channel

1RB0

1RBmax



Full RB



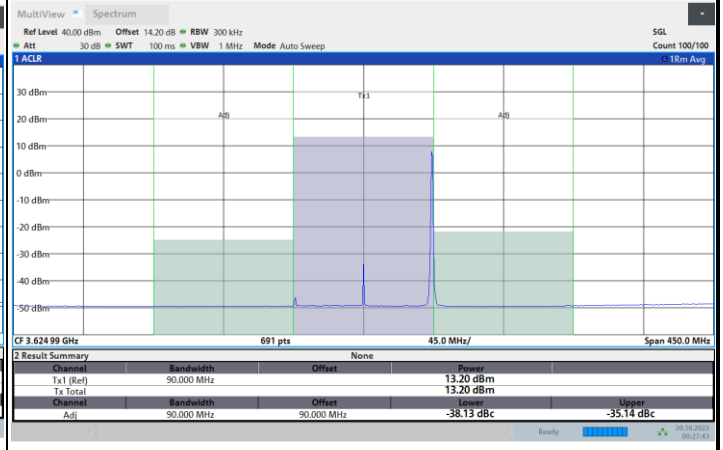
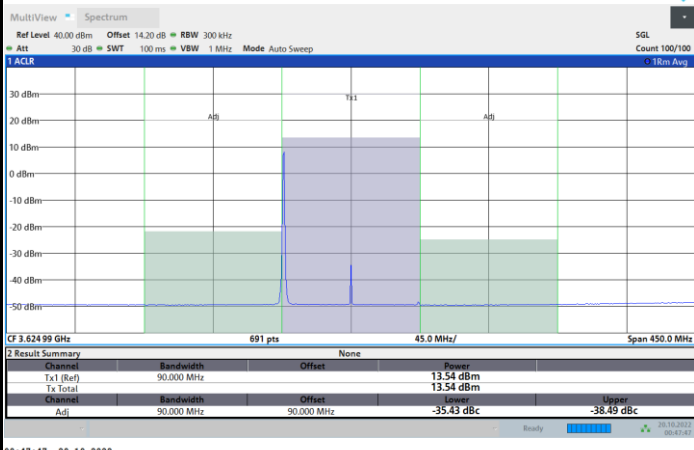


FR1 N77 / 90MHz / CP OFDM / 256QAM

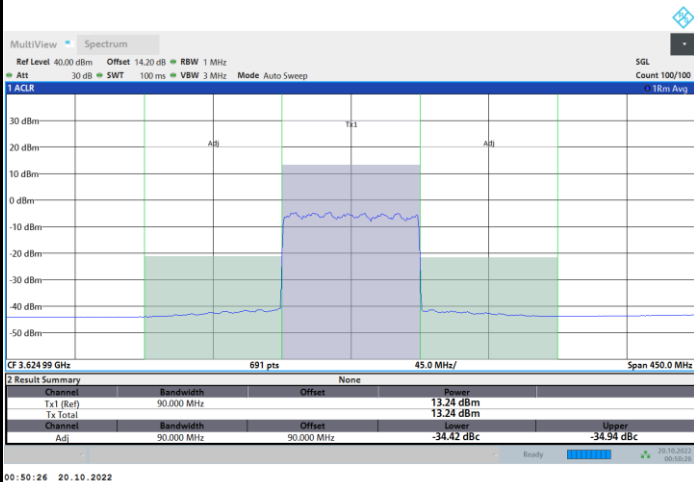
Middle Channel

1RB0

1RBmax



Full RB



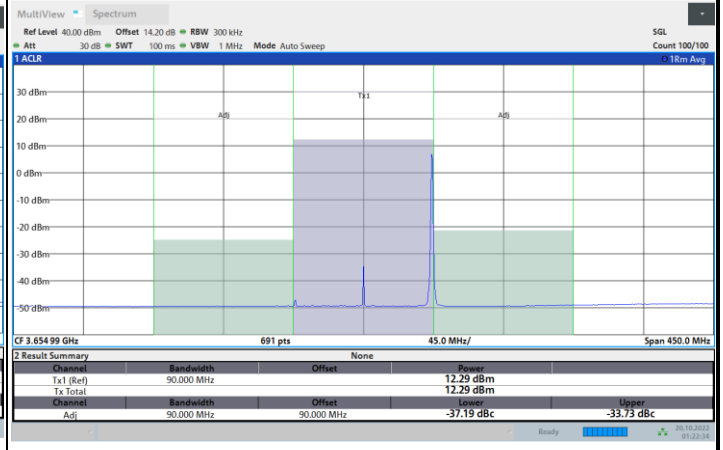
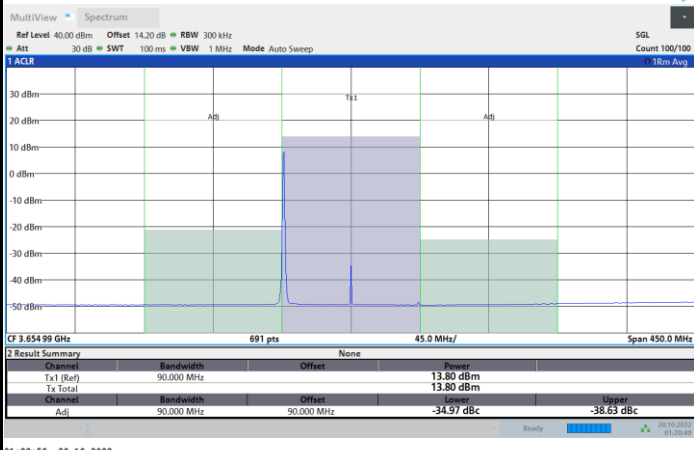


FR1 N77 / 90MHz / CP OFDM / 256QAM

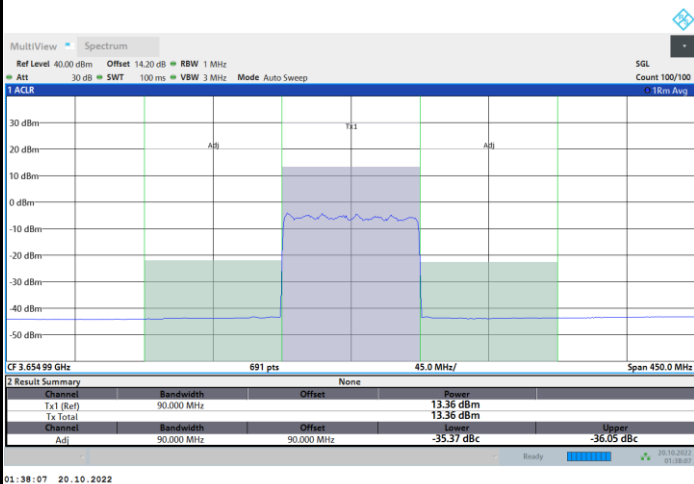
Highest Channel

1RB0

1RBmax



Full RB



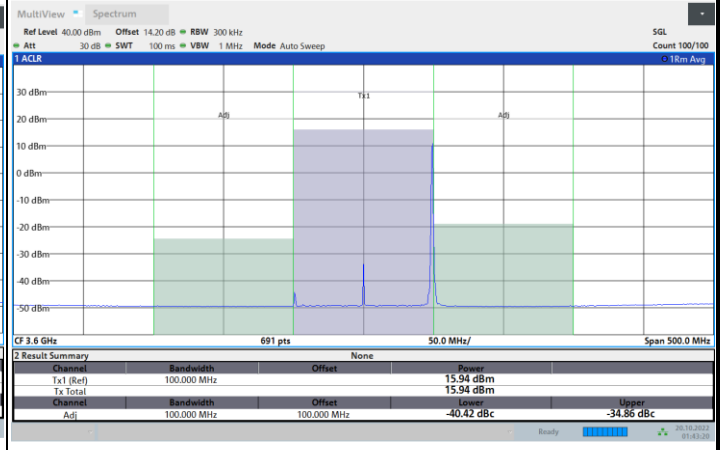
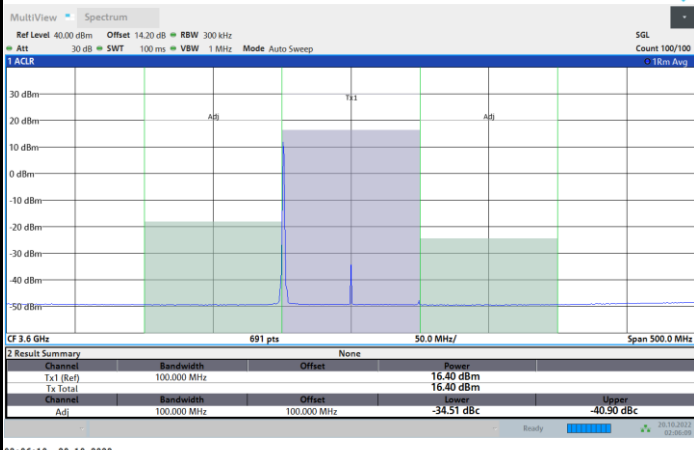


FR1 N77 / 100MHz / CP OFDM / QPSK

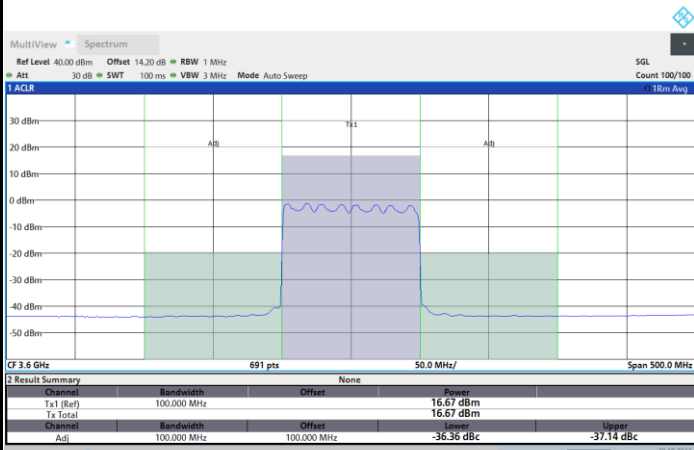
Lowest Channel

1RB0

1RBmax



Full RB



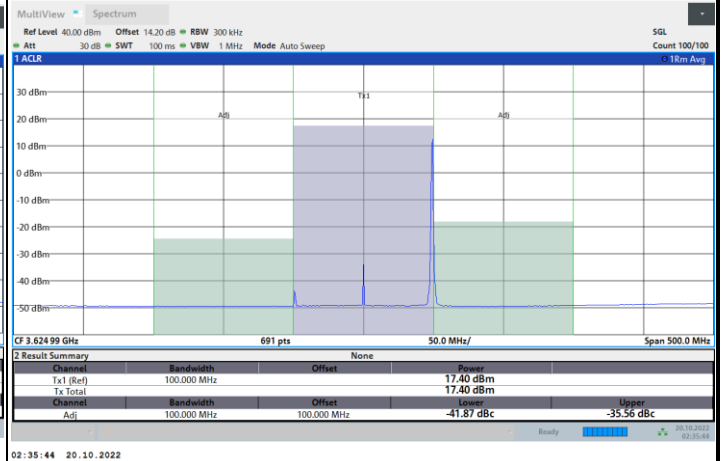
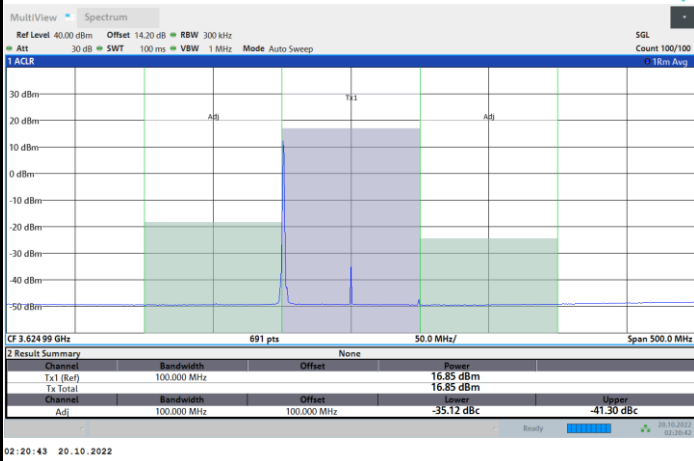


FR1 N77 / 100MHz / CP OFDM / QPSK

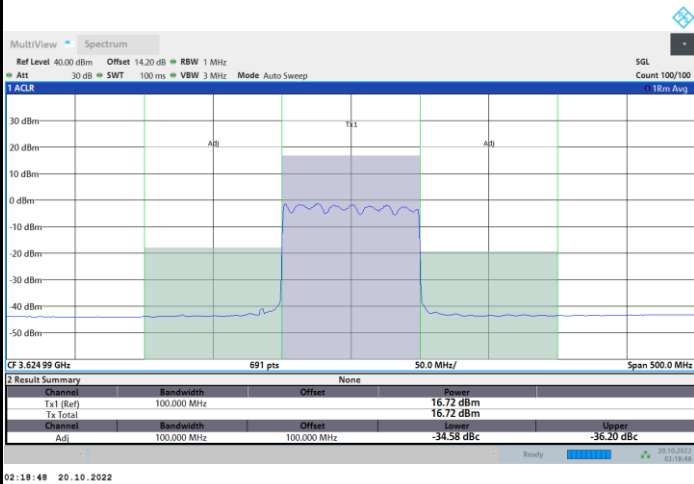
Middle Channel

1RB0

1RBmax



Full RB



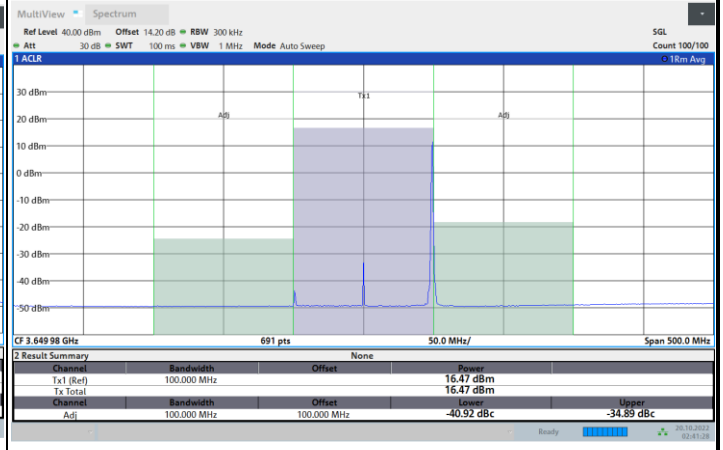
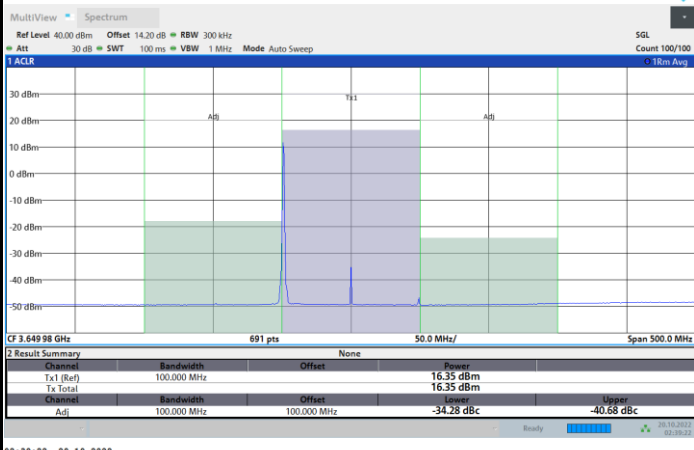


FR1 N77 / 100MHz / CP OFDM / QPSK

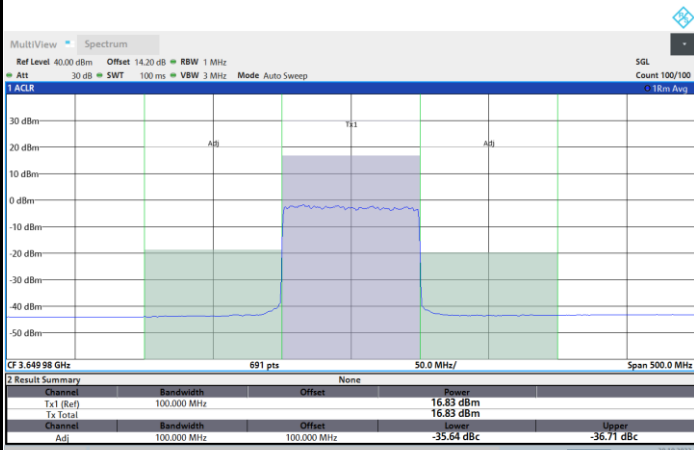
Highest Channel

1RB0

1RBmax



Full RB



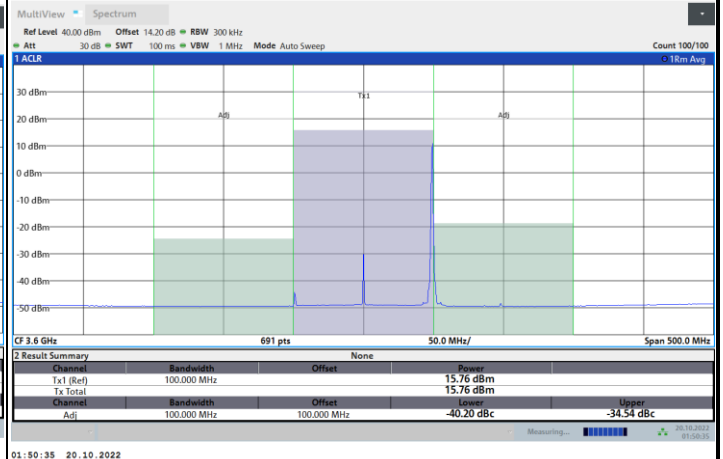
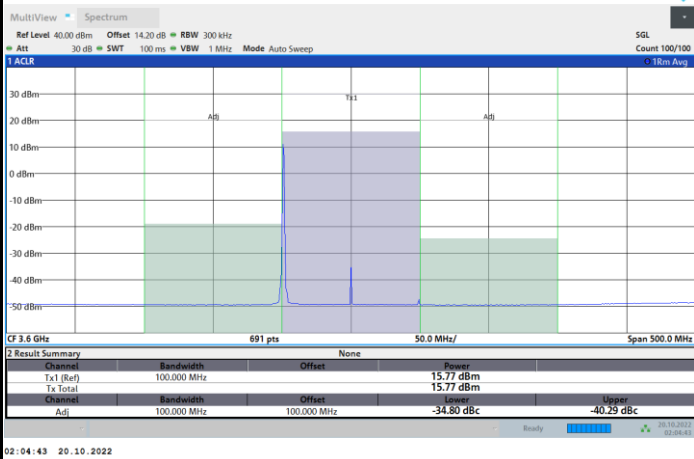


FR1 N77 / 100MHz / CP OFDM / 16QAM

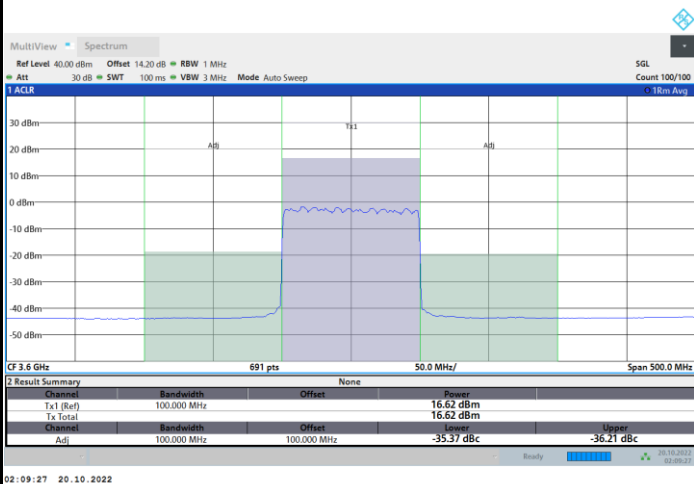
Lowest Channel

1RB0

1RBmax



Full RB





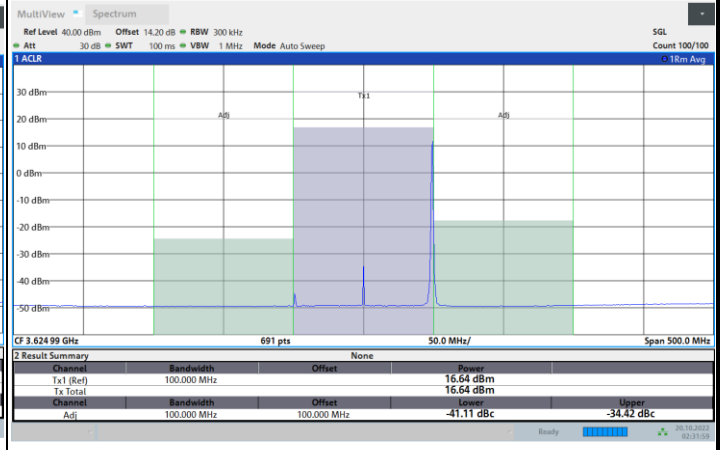
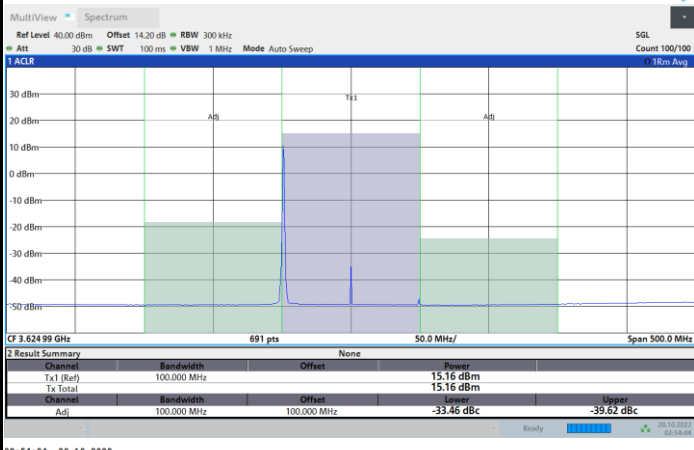


FR1 N77 / 100MHz / CP OFDM / 16QAM

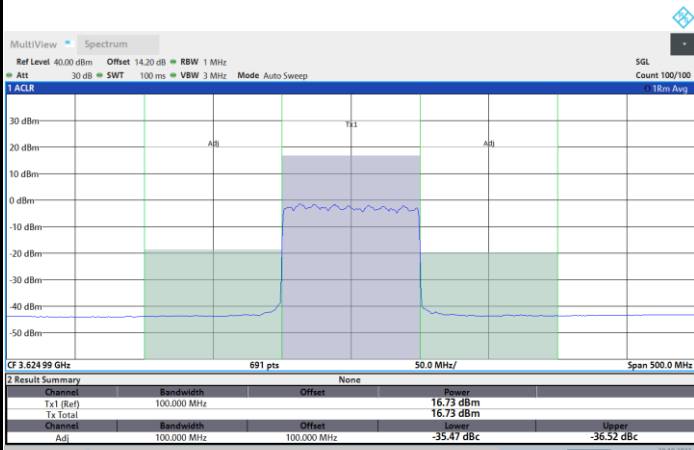
Middle Channel

1RB0

1RBmax



Full RB



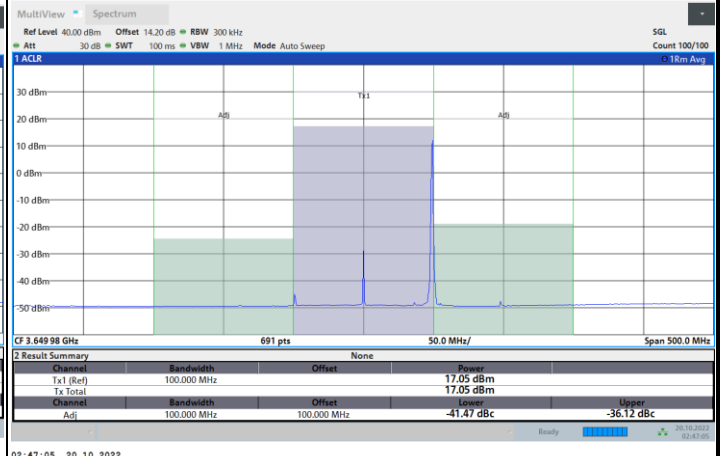
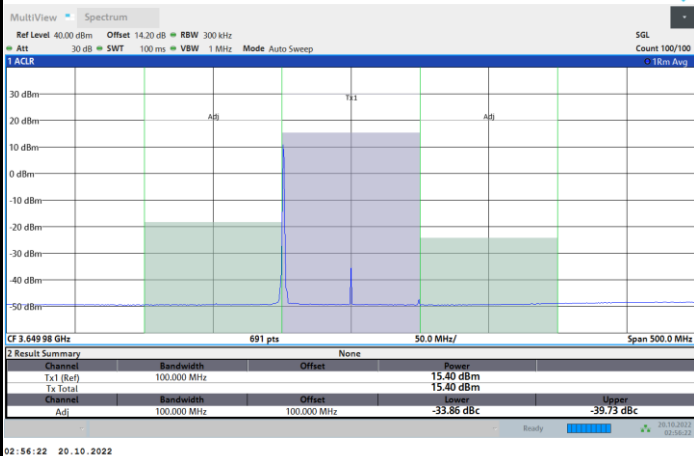


FR1 N77 / 100MHz / CP OFDM / 16QAM

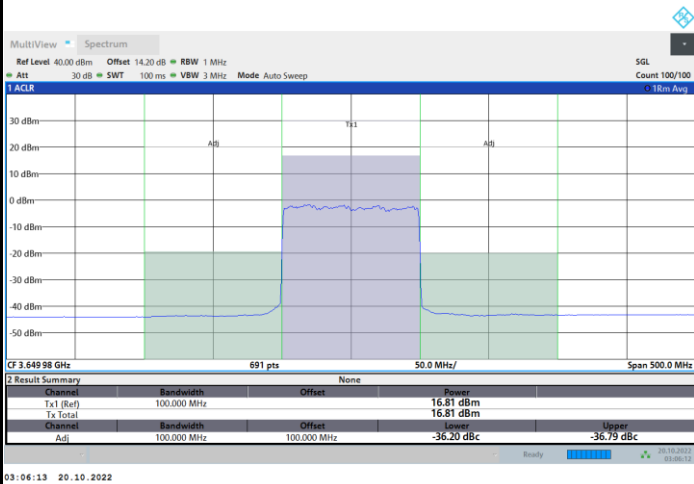
Highest Channel

1RB0

1RBmax



Full RB



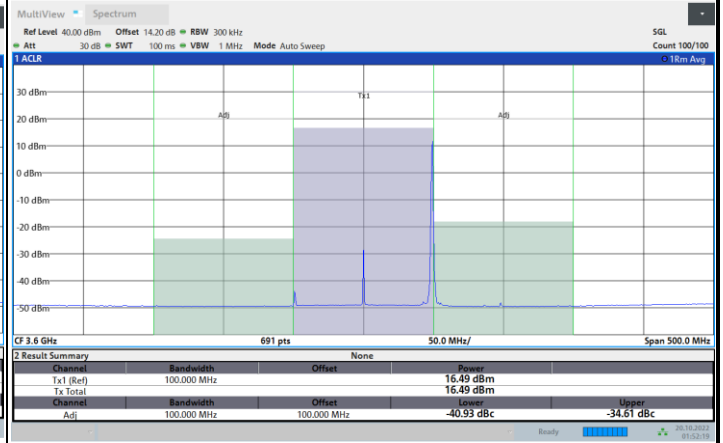
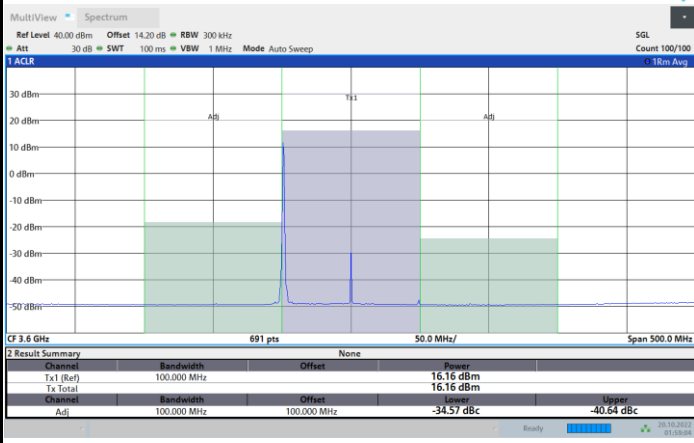


FR1 N77 / 100MHz / CP OFDM / 64QAM

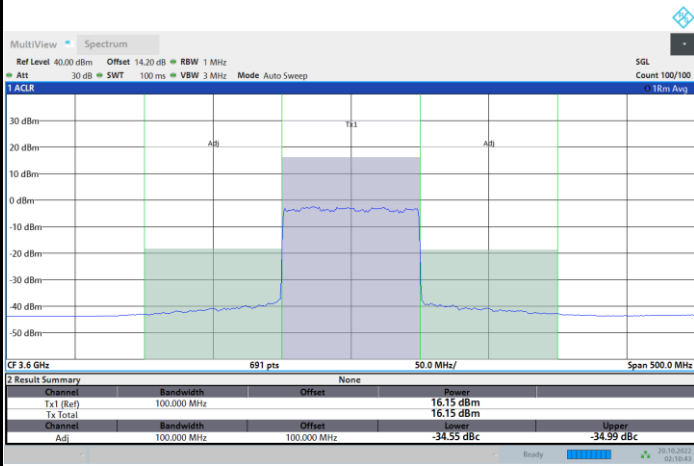
Lowest Channel

1RB0

1RBmax



Full RB



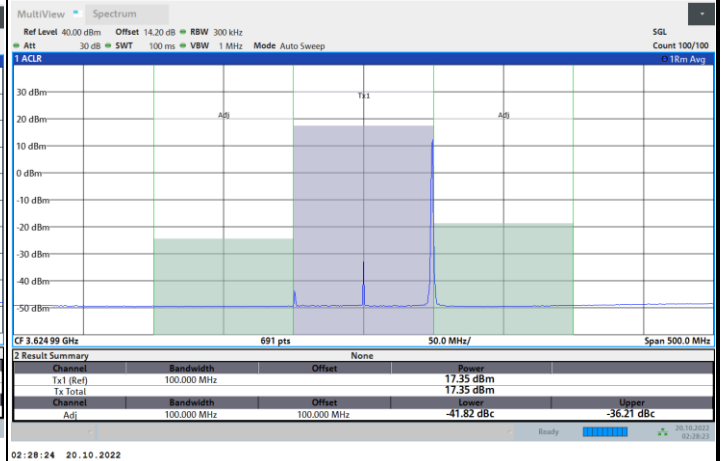
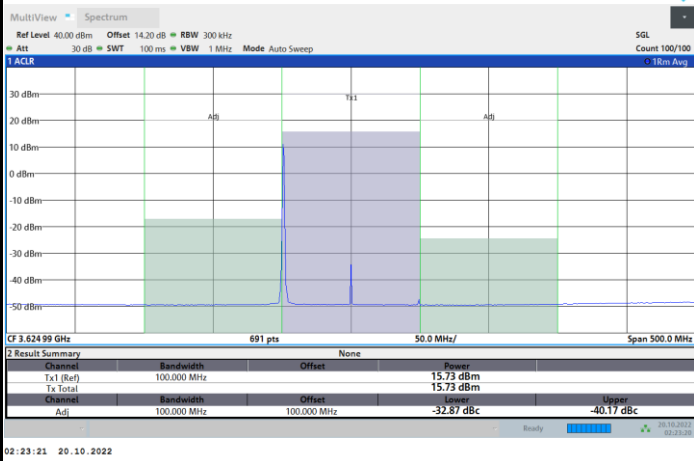


FR1 N77 / 100MHz / CP OFDM / 64QAM

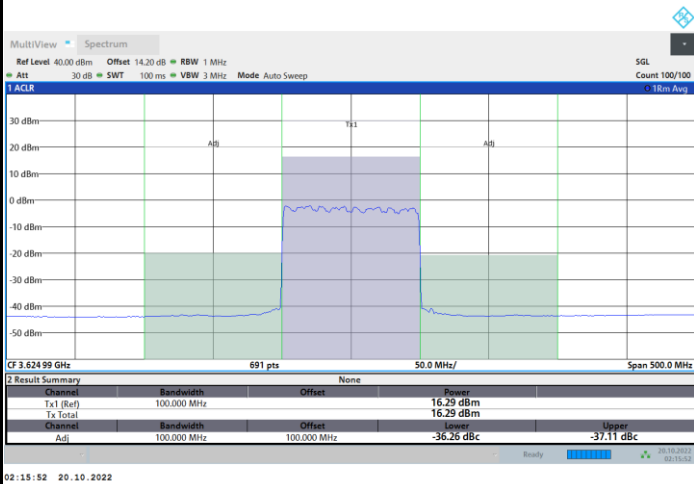
Middle Channel

1RB0

1RBmax



Full RB



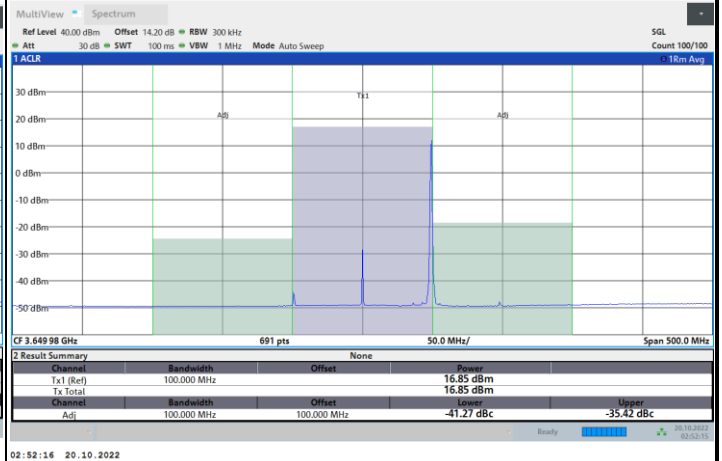
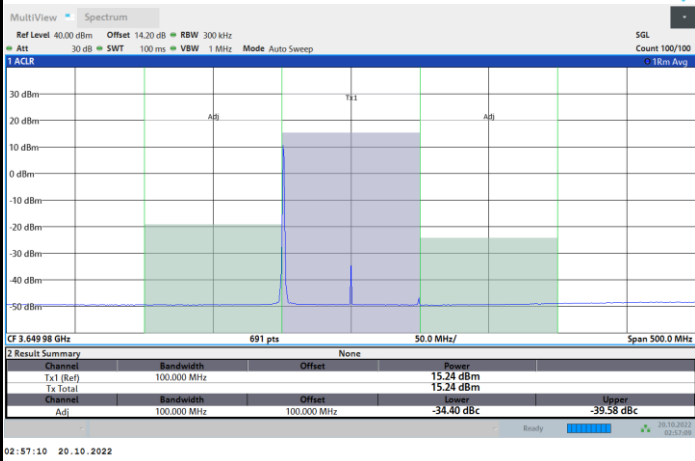


FR1 N77 / 100MHz / CP OFDM / 64QAM

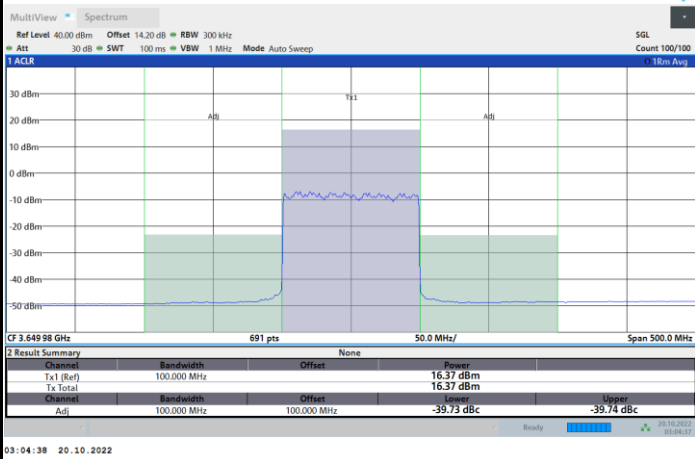
Highest Channel

1RB0

1RBmax



Full RB



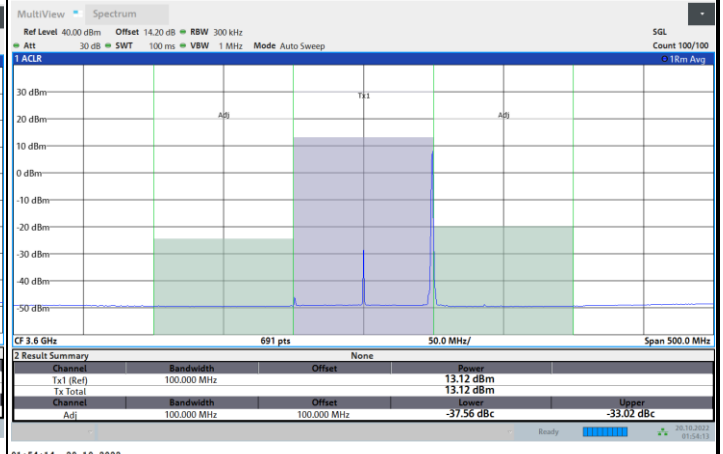
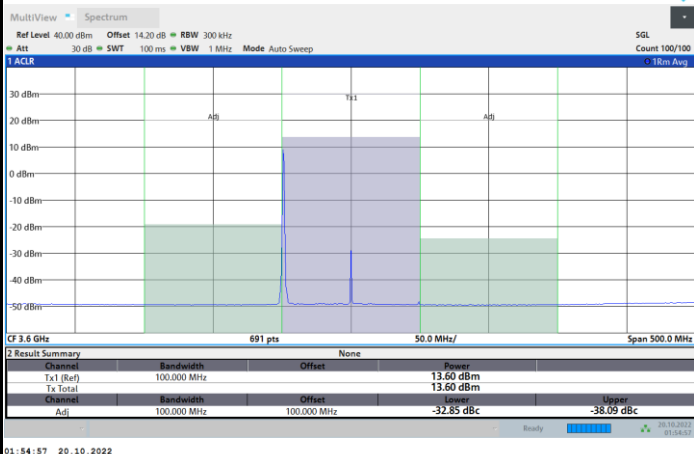


FR1 N77 / 100MHz / CP OFDM / 256QAM

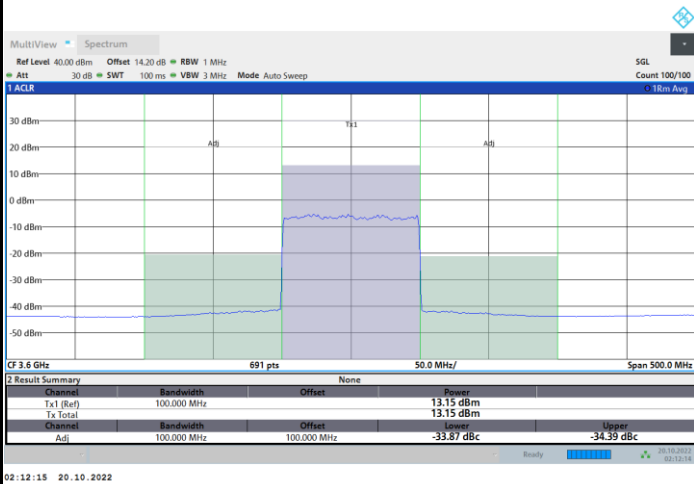
Lowest Channel

1RB0

1RBmax



Full RB



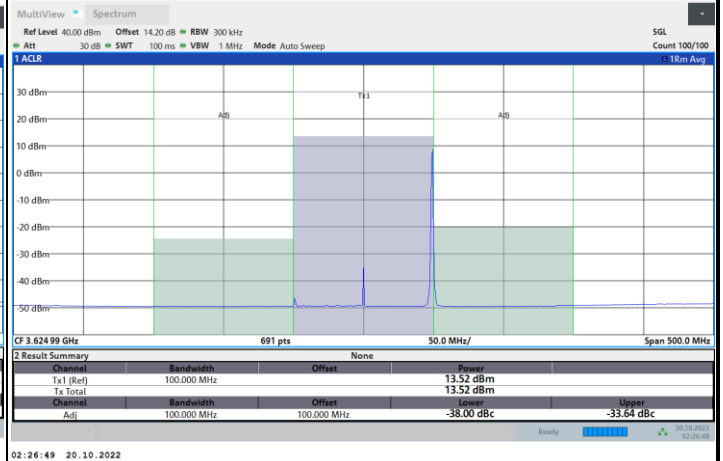
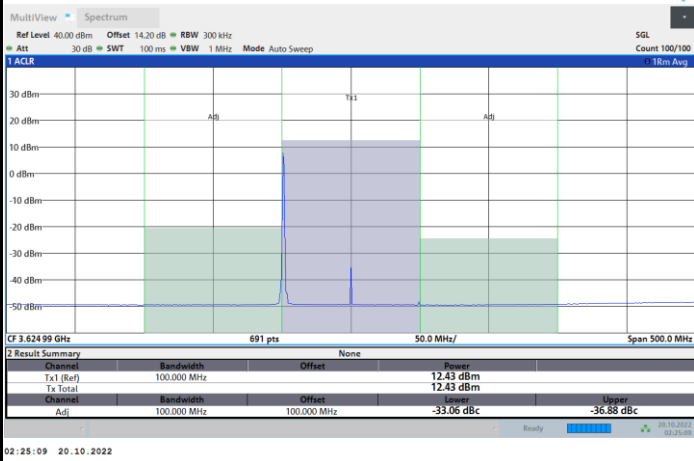


FR1 N77 / 100MHz / CP OFDM / 256QAM

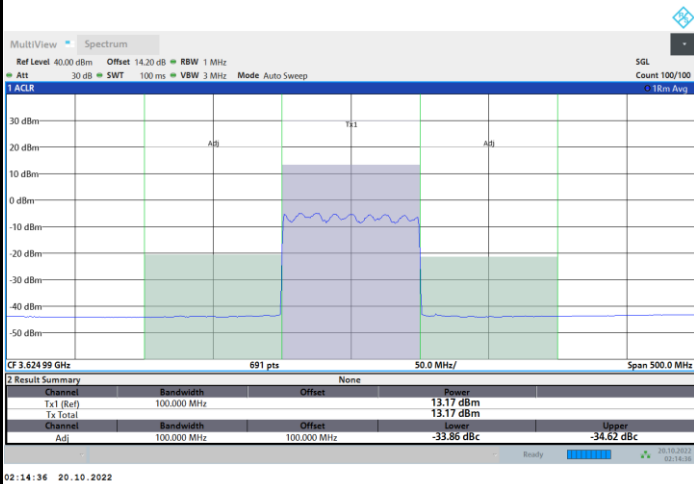
Middle Channel

1RB0

1RBmax



Full RB



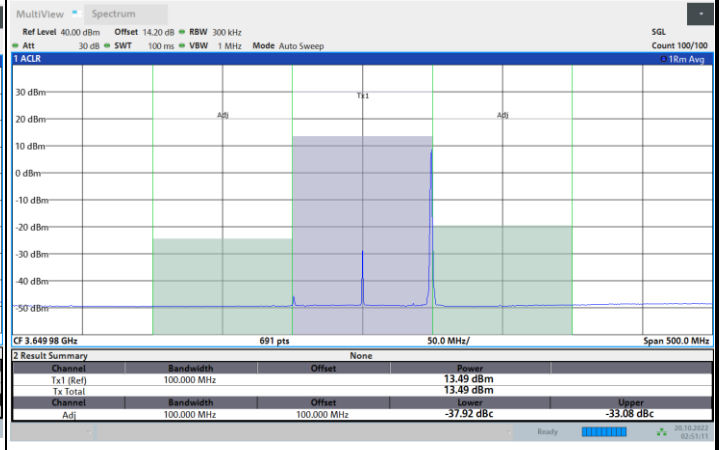


FR1 N77 / 100MHz / CP OFDM / 256QAM

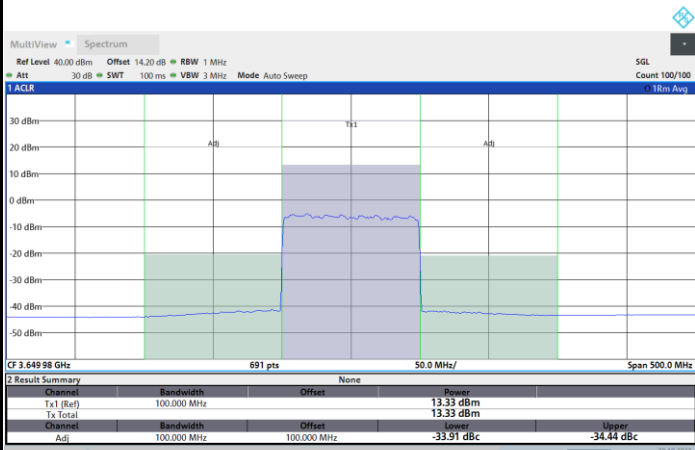
Highest Channel

1RB0

1RBmax



Full RB



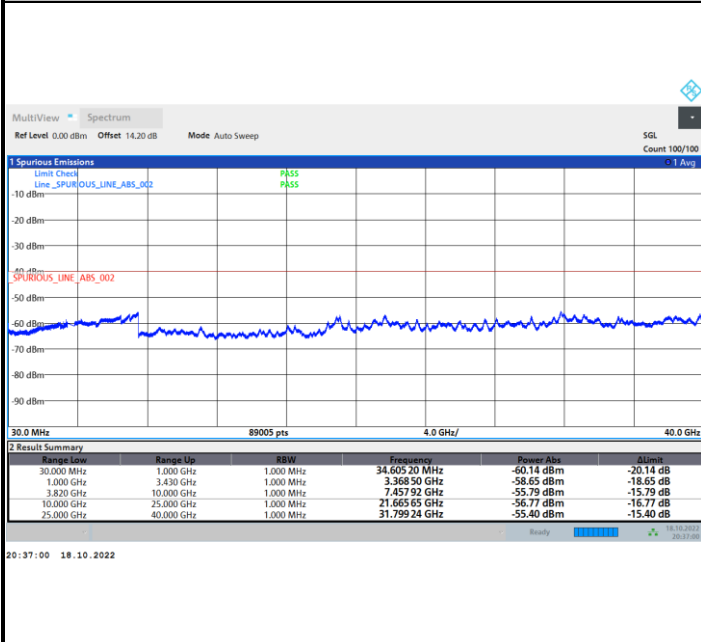




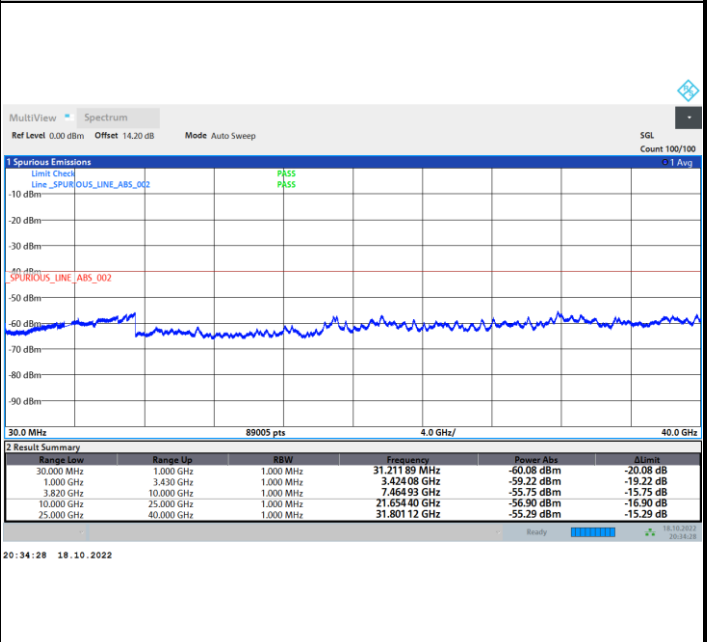
# Conducted Spurious Emission

FR1 N77 / 10MHz / CP OFDM / QPSK / 1RB1

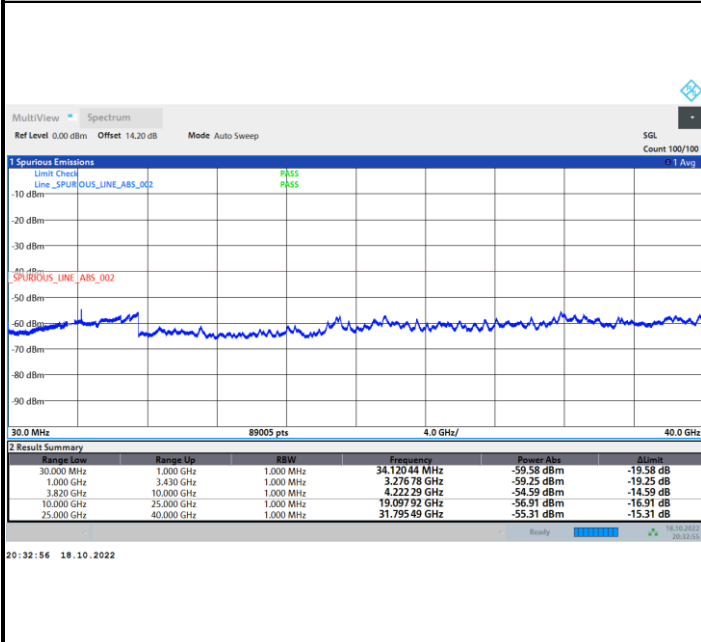
## Lowest Channel



## Middle Channel



## Highest Channel





### Frequency Stability

Test Conditions		FR1 N77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

**Note:**

1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.63 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



<MIMO Mode>  
MIMO <Ant. 2>

**Peak-to-Average Ratio**

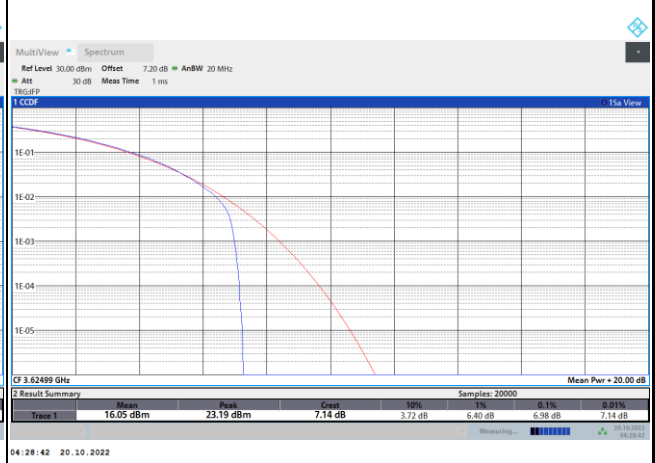
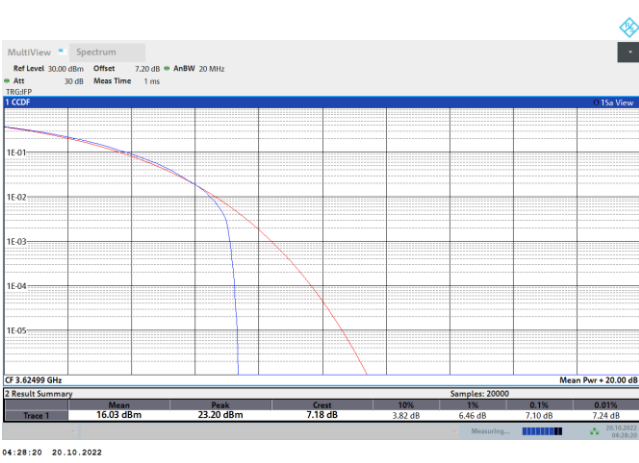
Mode	FR1 N77 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.10	6.98	7.52	8.56	<b>PASS</b>



FR1 N77 / 20MHz / CP OFDM / Middle Channel / Full RB

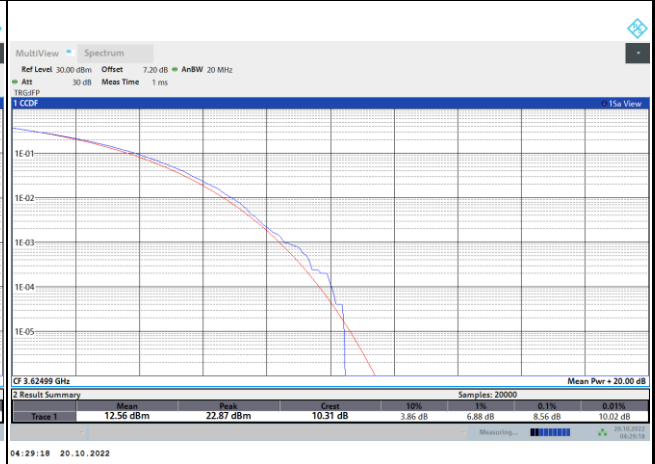
QPSK

16QAM



64QAM

256QAM





**26dB Bandwidth**

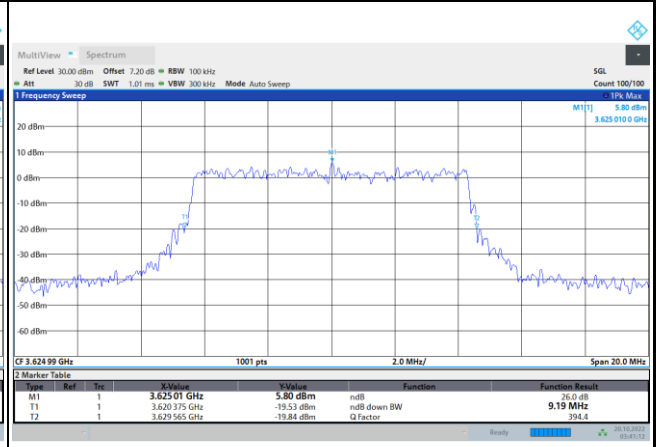
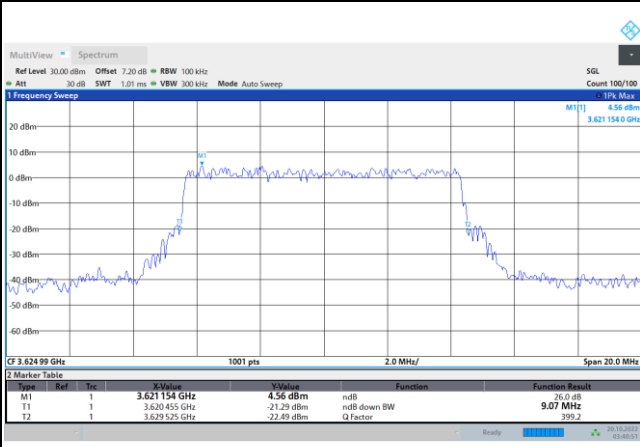
Mode	FR1 N77 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.07	9.19	14.36	14.51	19.14	19.18	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.11	9.05	14.65	14.33	19.02	19.10	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	29.07	29.07	40.36	40.52	50.35	50.05	60.42	60.42
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	29.31	29.01	40.36	40.28	50.25	50.05	60.42	60.54
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	70.35	70.21	80.40	80.40	90.45	90.27	100.70	100.50
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	70.35	70.35	80.24	80.56	90.27	90.63	100.30	100.50



FR1 N77 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM



64QAM

256QAM

