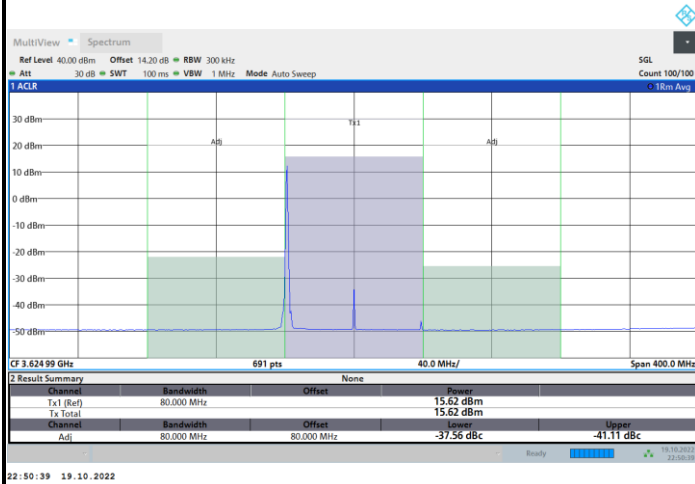




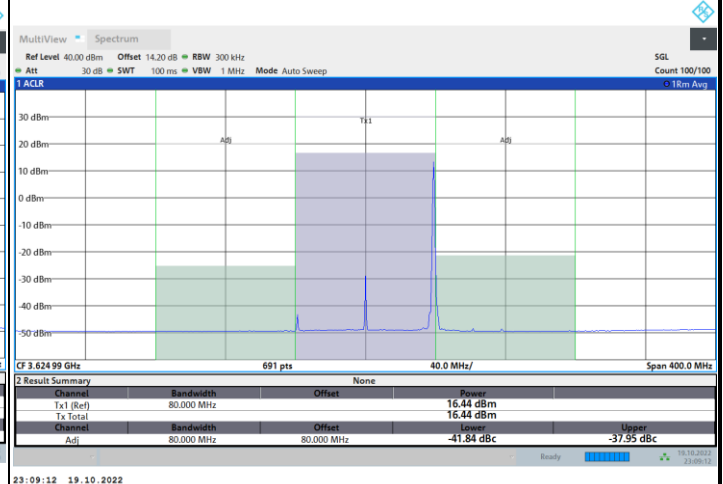
FR1 N77 / 80MHz / CP OFDM / 16QAM

Middle Channel

1RB0



1RBmax



Full RB

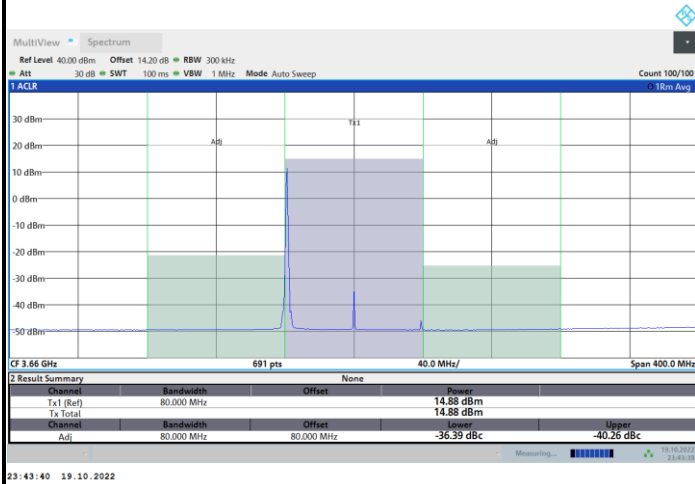




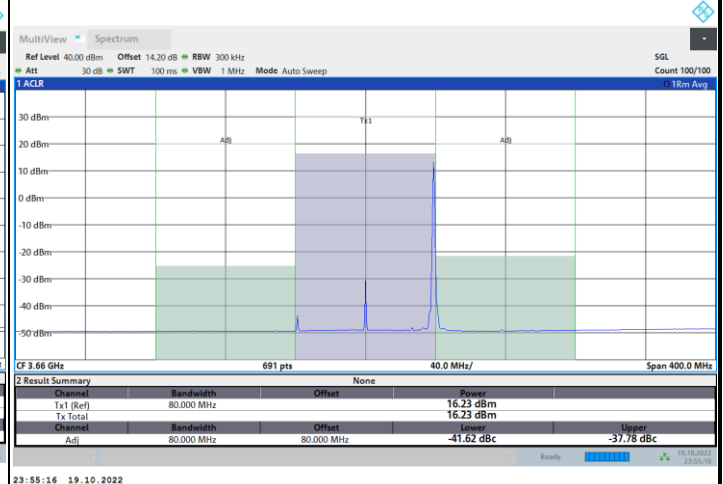
FR1 N77 / 80MHz / CP OFDM / 16QAM

Highest Channel

1RB0



1RBmax



Full RB

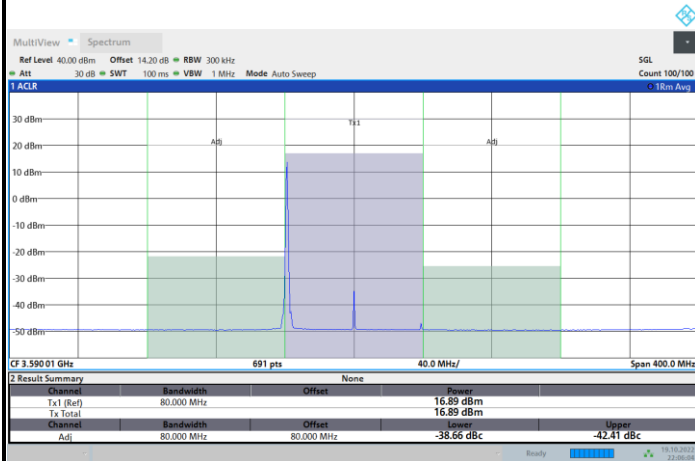




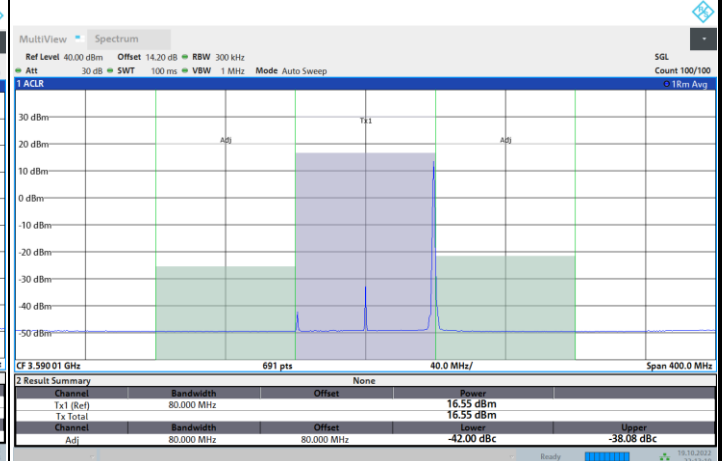
FR1 N77 / 80MHz / CP OFDM / 64QAM

Lowest Channel

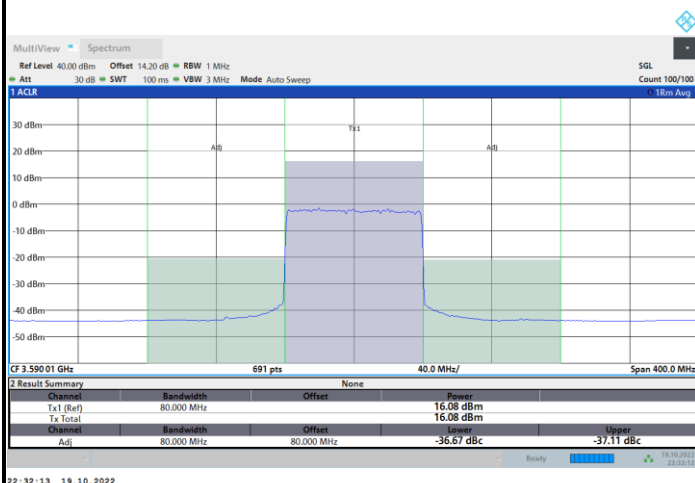
1RB0



1RBmax



Full RB

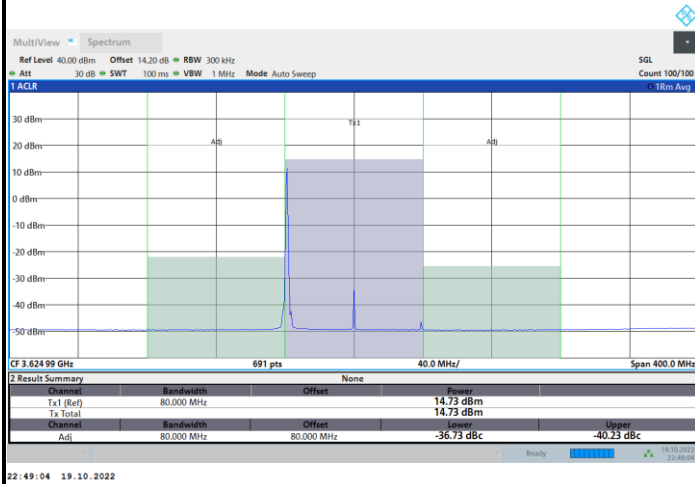




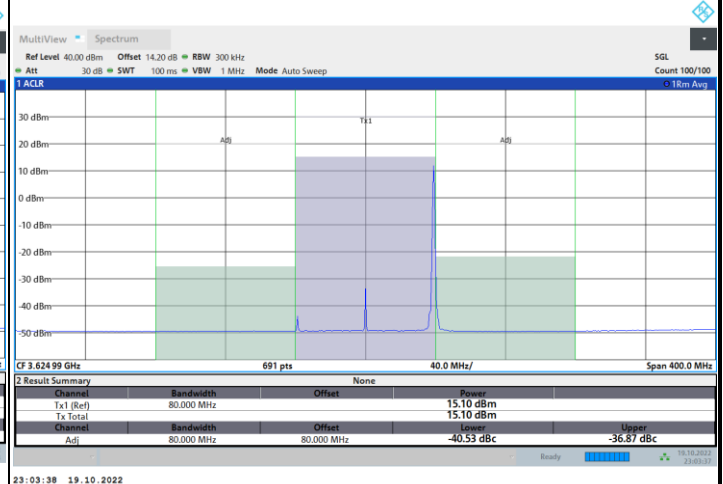
FR1 N77 / 80MHz / CP OFDM / 64QAM

Middle Channel

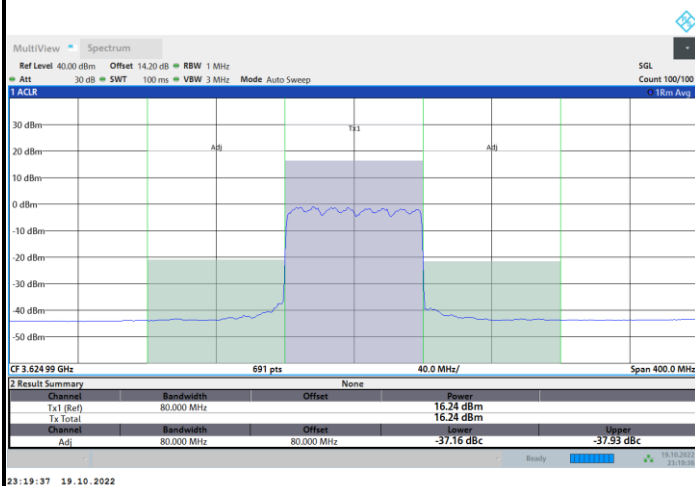
1RB0



1RBmax



Full RB

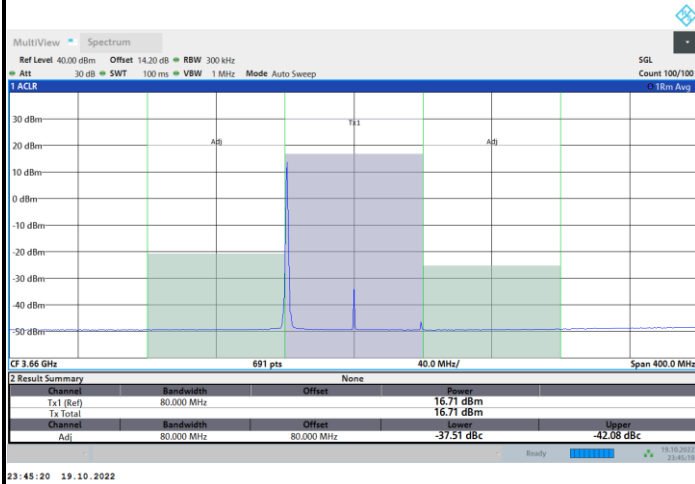




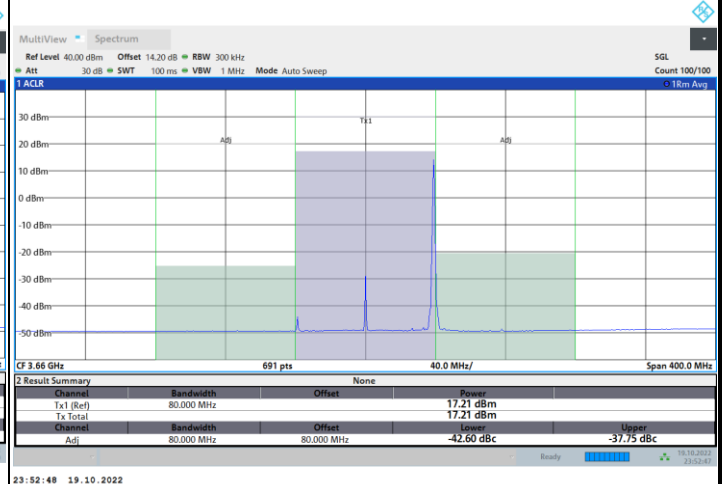
FR1 N77 / 80MHz / CP OFDM / 64QAM

Highest Channel

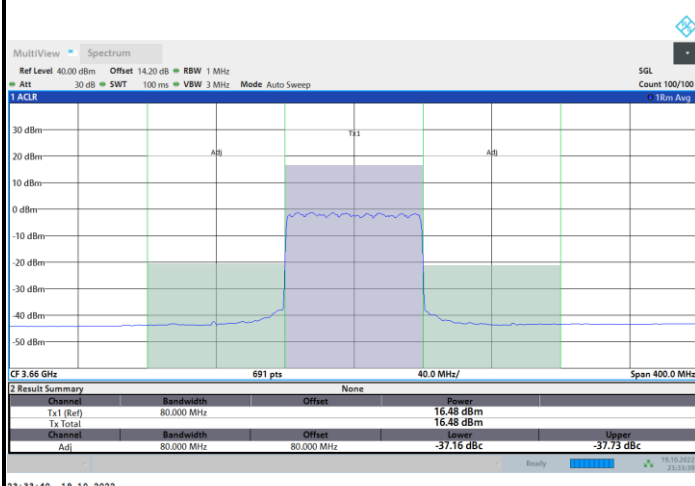
1RB0



1RBmax



Full RB

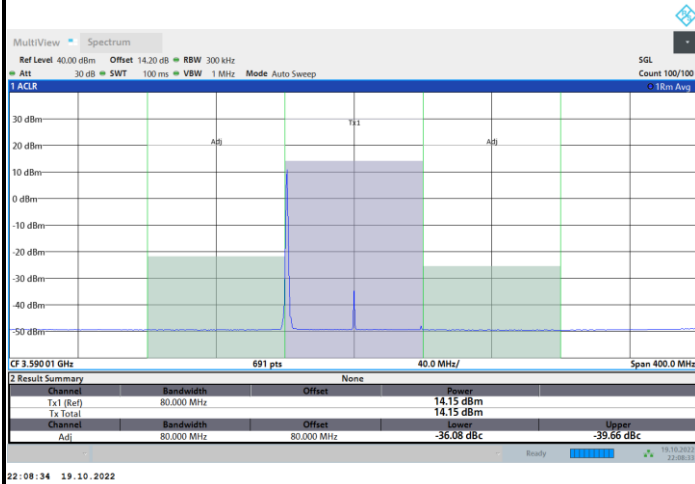




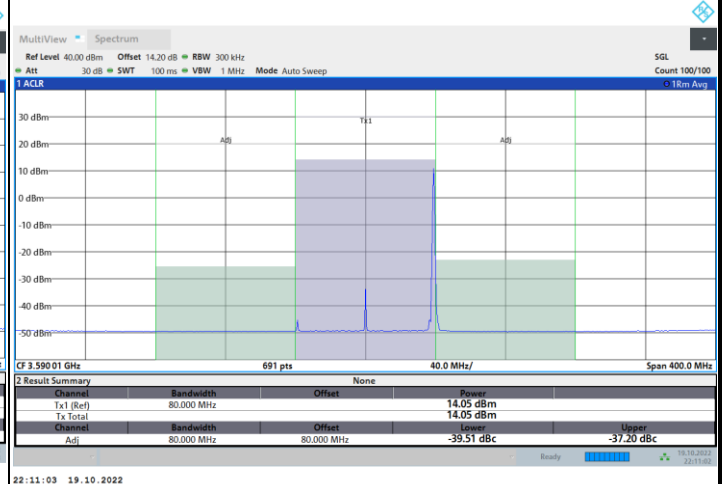
FR1 N77 / 80MHz / CP OFDM / 256QAM

Lowest Channel

1RB0



1RBmax



Full RB

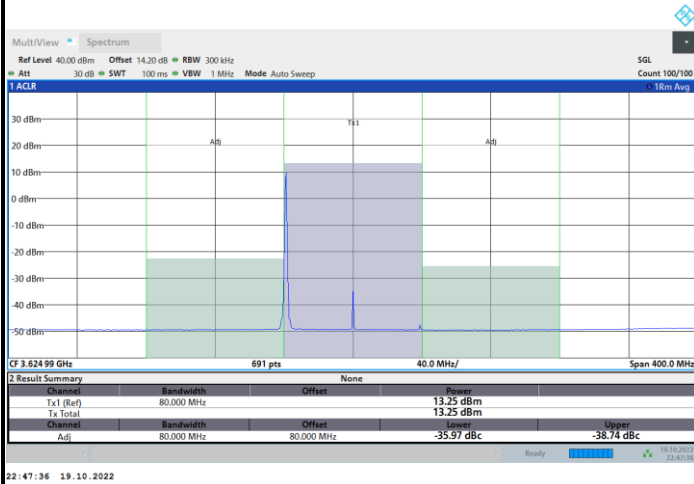




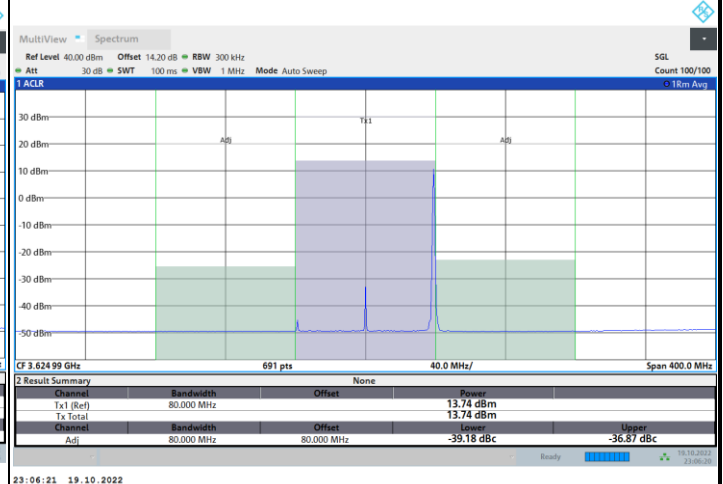
FR1 N77 / 80MHz / CP OFDM / 256QAM

Middle Channel

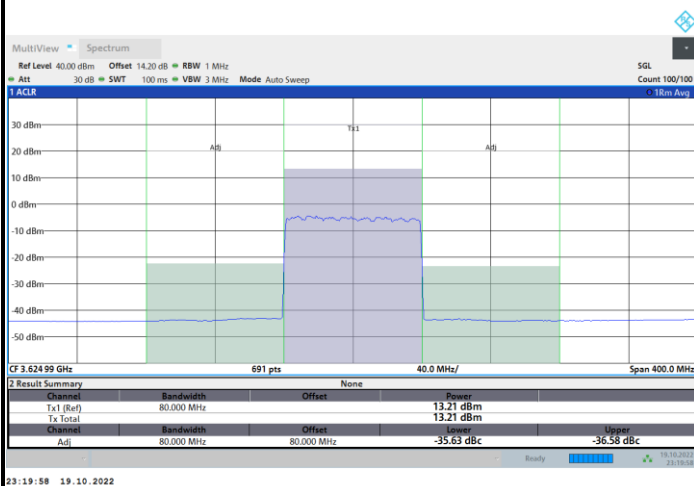
1RB0



1RBmax



Full RB

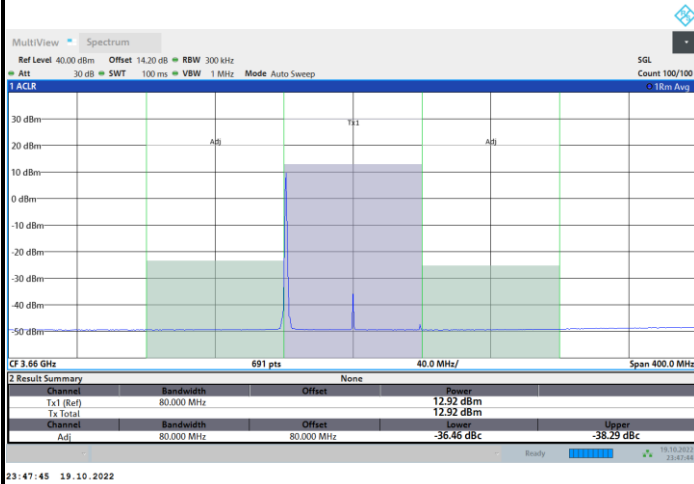




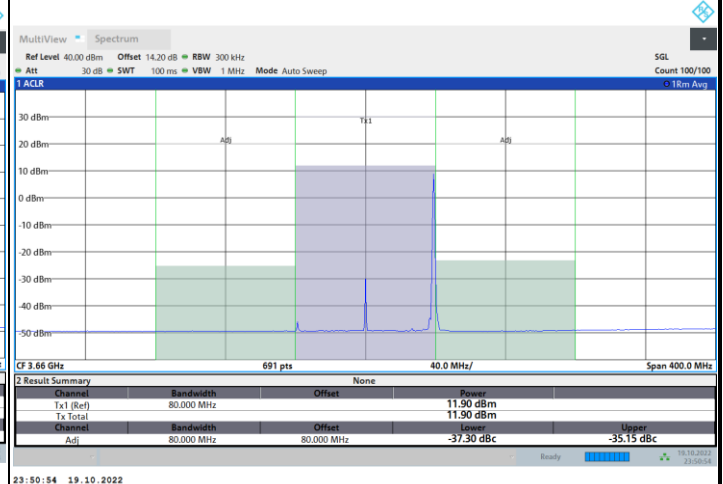
FR1 N77 / 80MHz / CP OFDM / 256QAM

Highest Channel

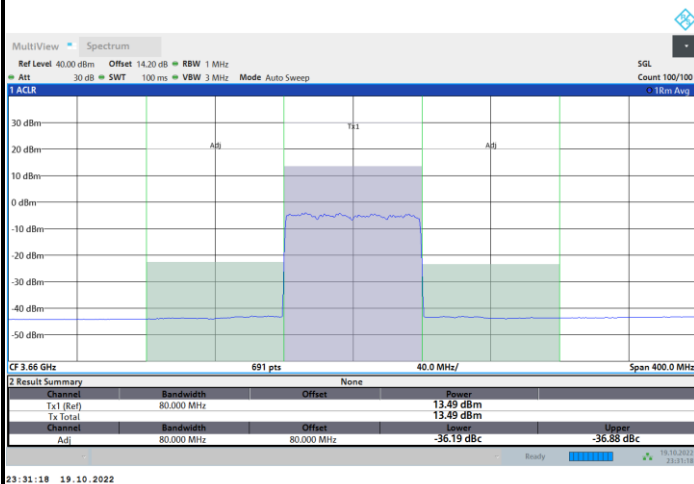
1RB0



1RBmax



Full RB

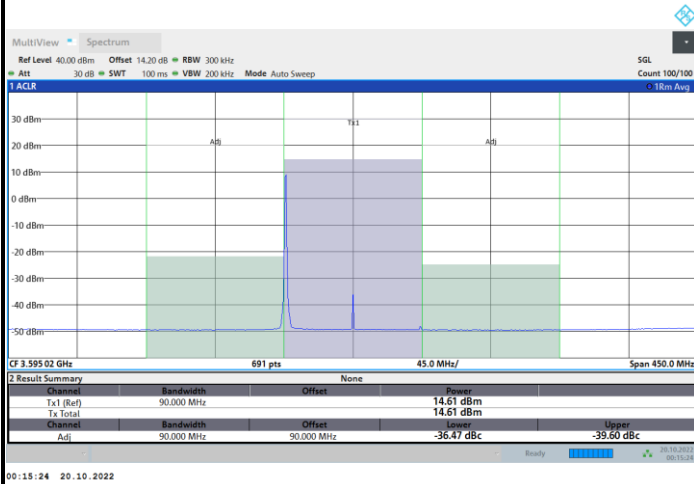




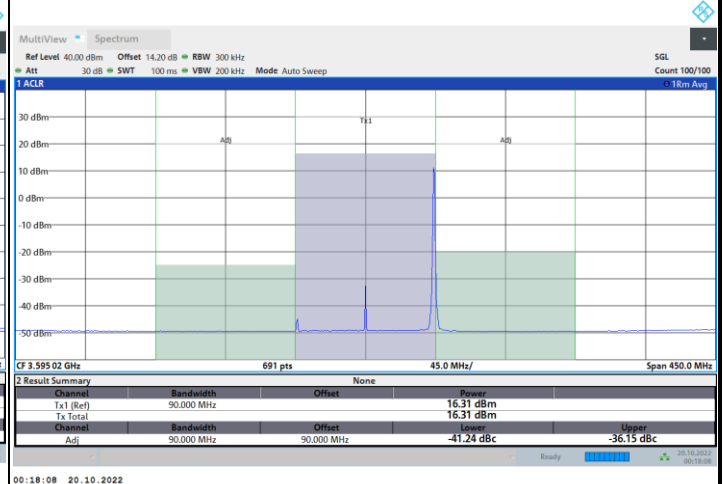
FR1 N77 / 90MHz / CP OFDM / QPSK

Lowest Channel

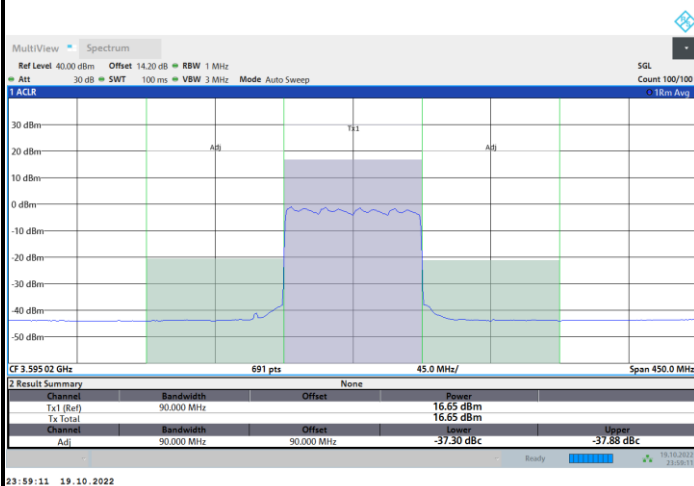
1RB0



1RBmax



Full RB

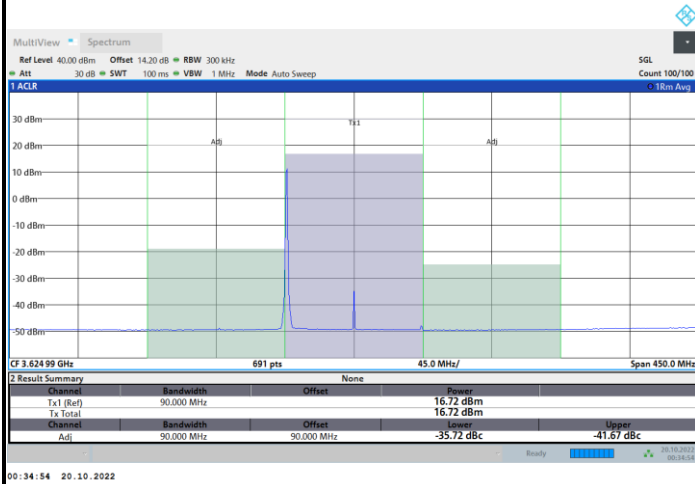




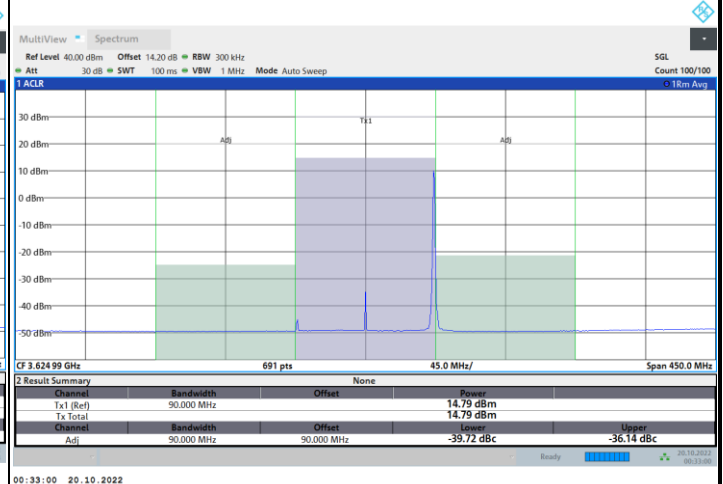
FR1 N77 / 90MHz / CP OFDM / QPSK

Middle Channel

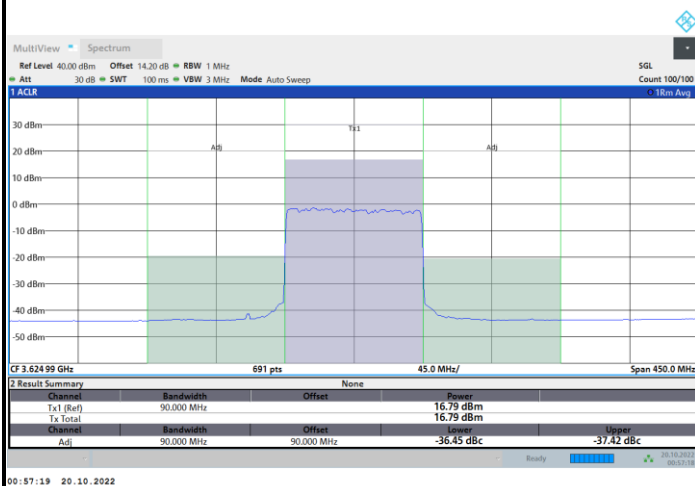
1RB0



1RBmax



Full RB

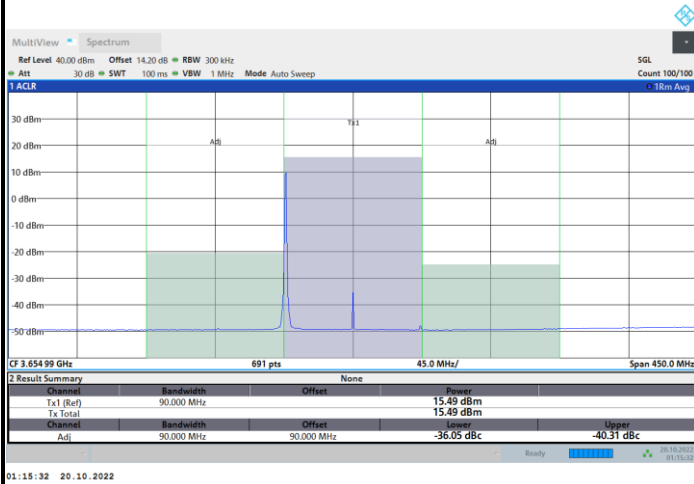




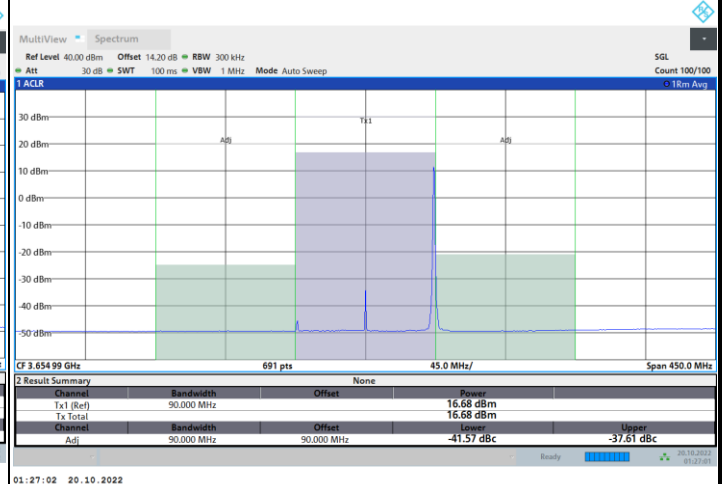
FR1 N77 / 90MHz / CP OFDM / QPSK

Highest Channel

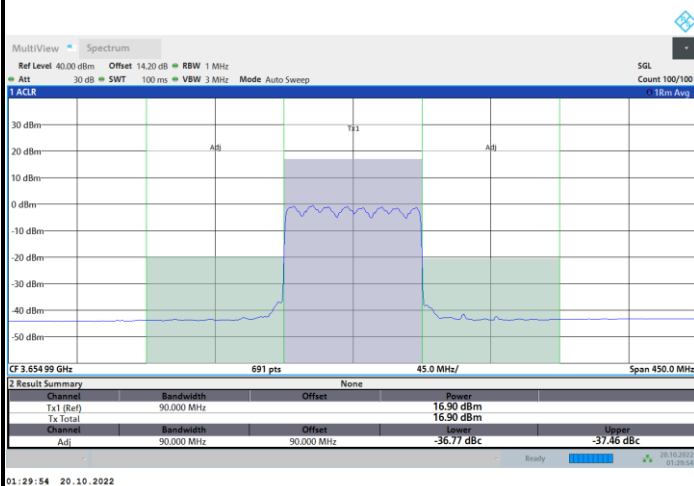
1RB0



1RBmax



Full RB

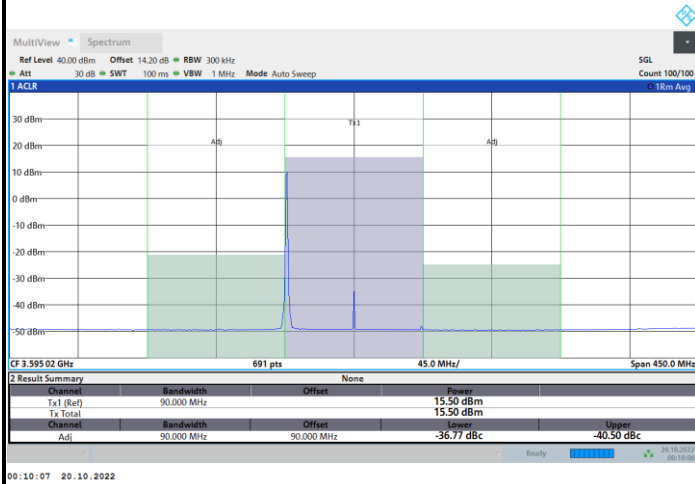




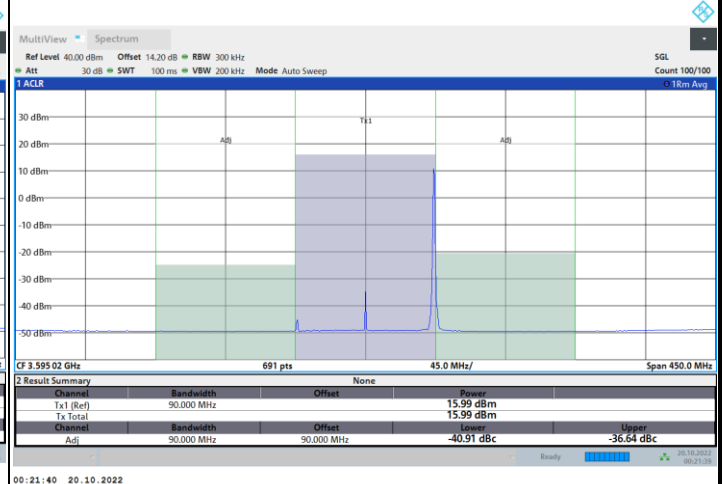
FR1 N77 / 90MHz / CP OFDM / 16QAM

Lowest Channel

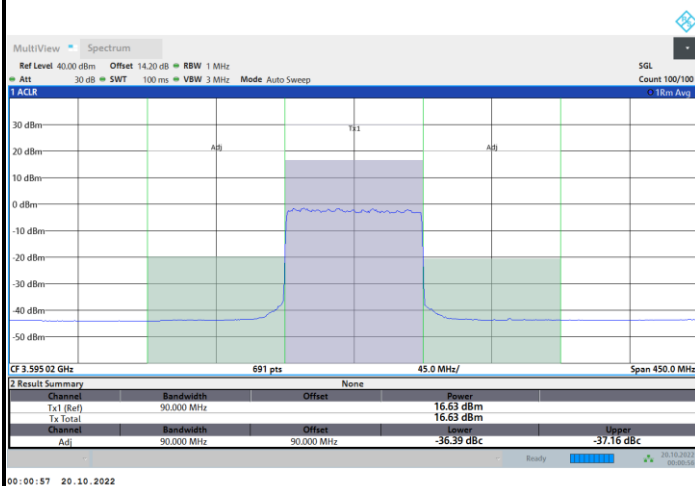
1RB0



1RBmax



Full RB

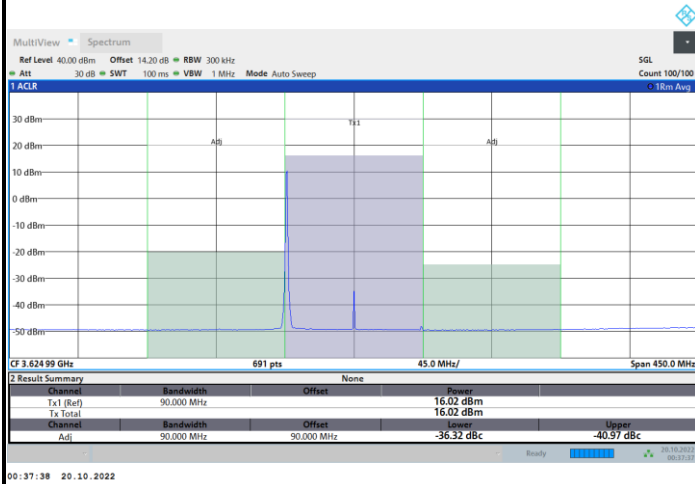




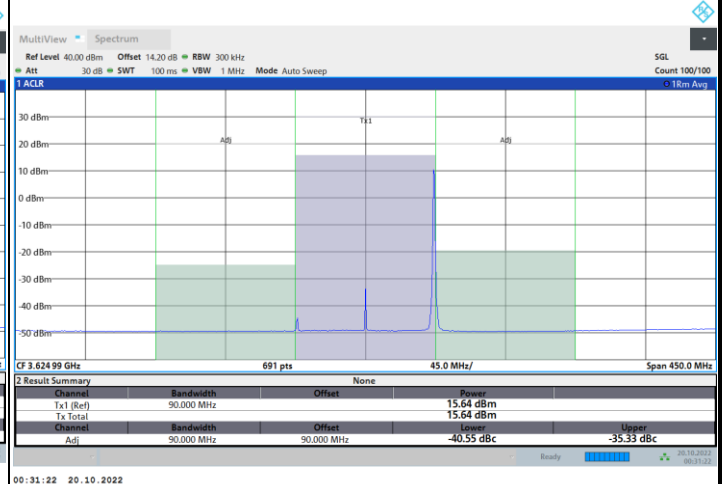
FR1 N77 / 90MHz / CP OFDM / 16QAM

Middle Channel

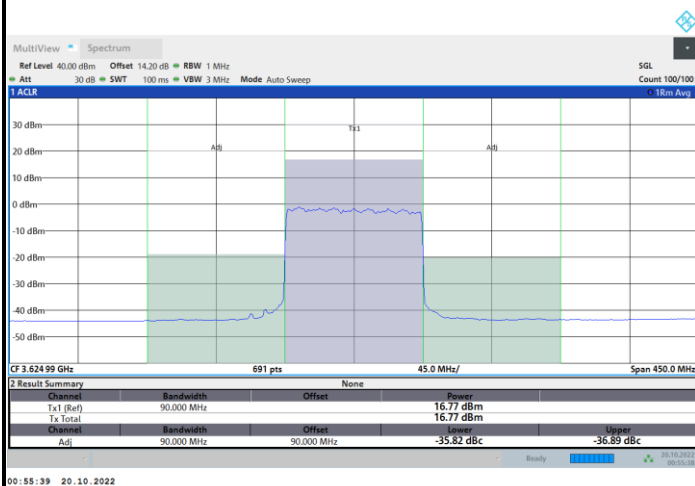
1RB0



1RBmax



Full RB

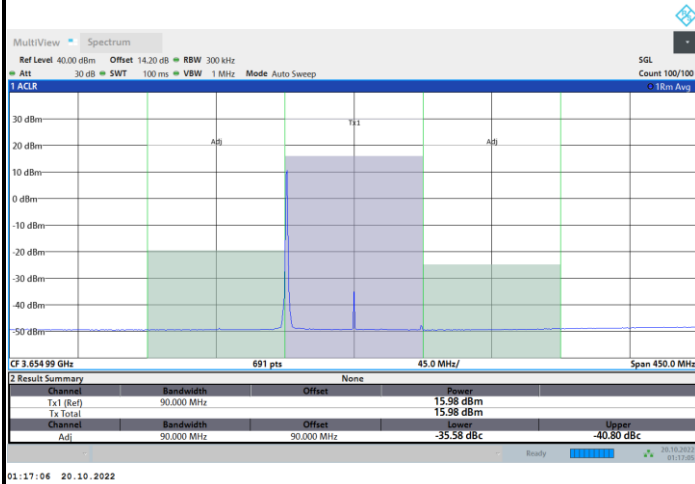




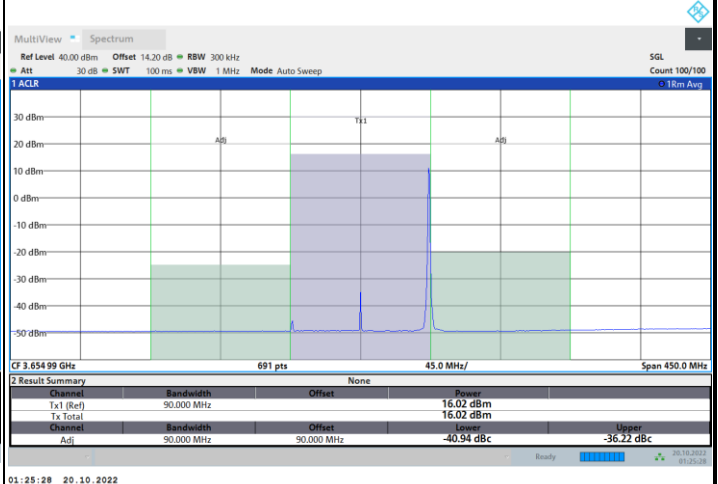
FR1 N77 / 90MHz / CP OFDM / 16QAM

Highest Channel

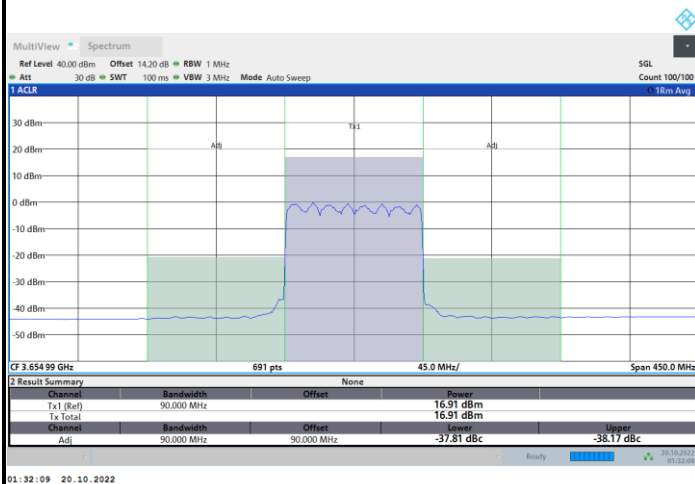
1RB0



1RBmax



Full RB

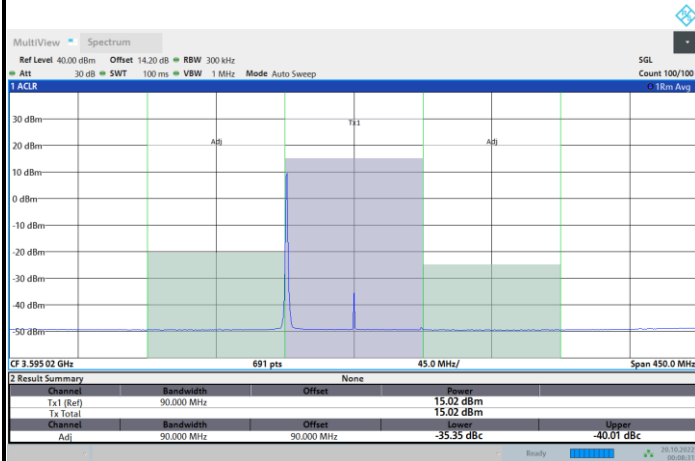




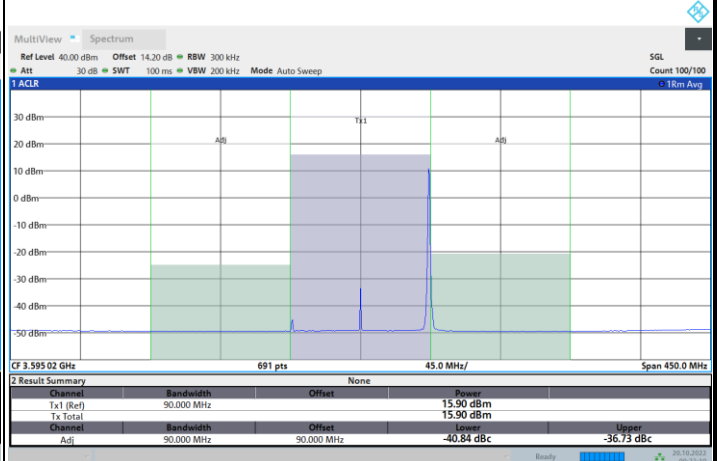
FR1 N77 / 90MHz / CP OFDM / 64QAM

Lowest Channel

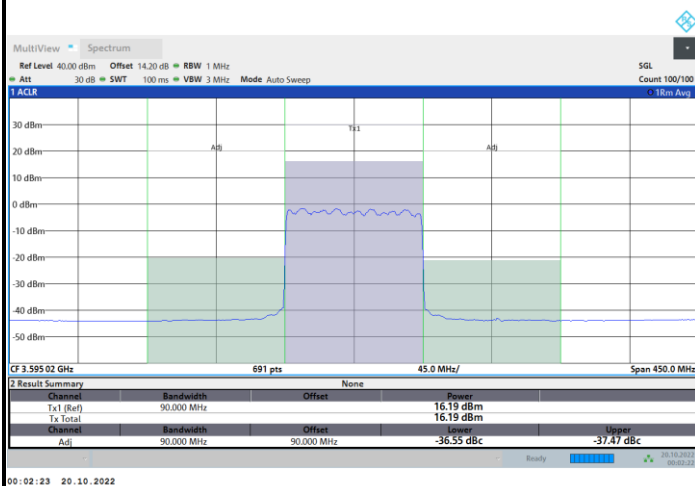
1RB0

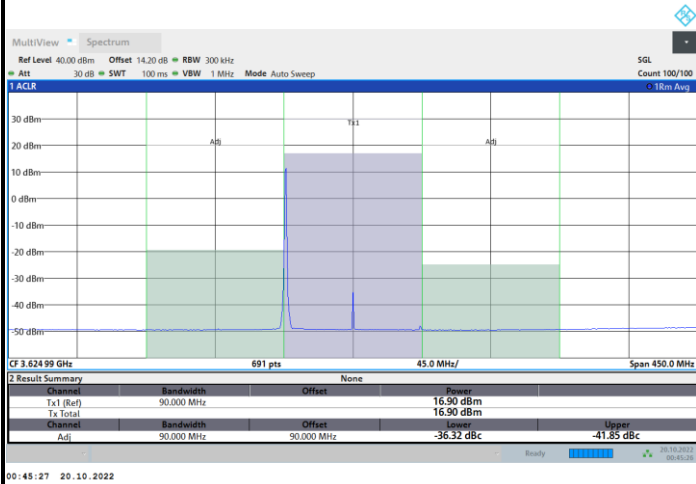
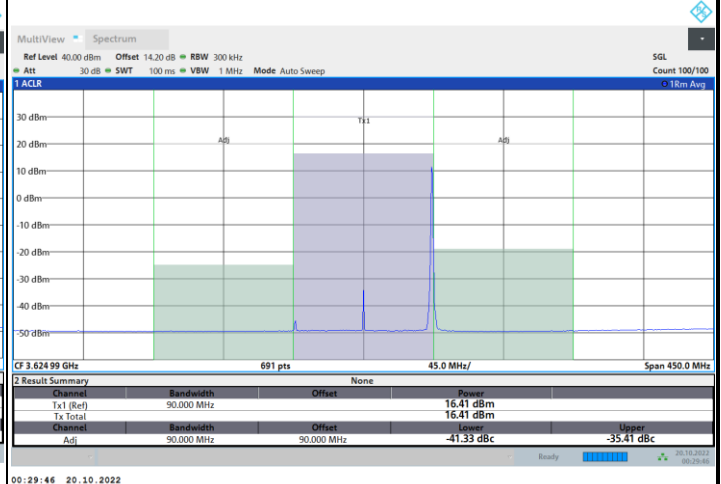
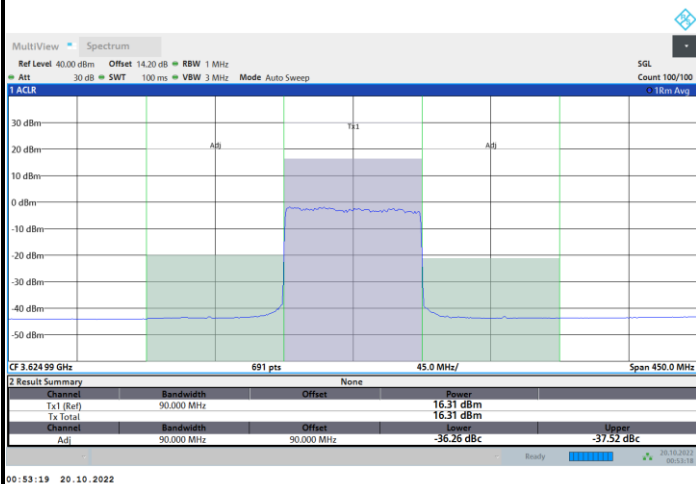


1RBmax



Full RB



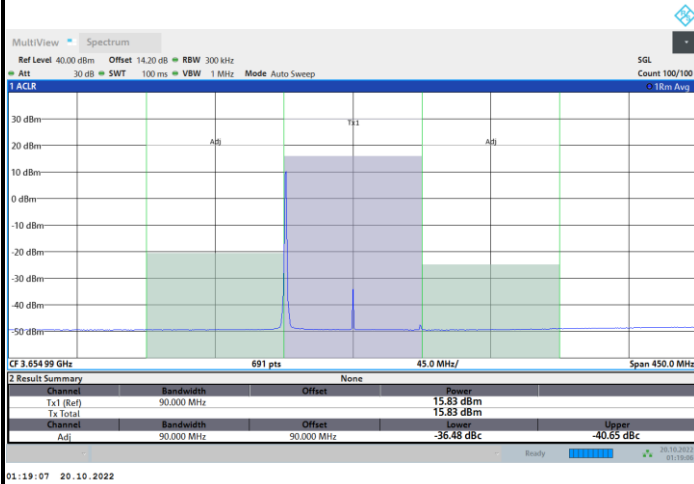
**FR1 N77 / 90MHz / CP OFDM / 64QAM****Middle Channel****1RB0****1RBmax****Full RB**



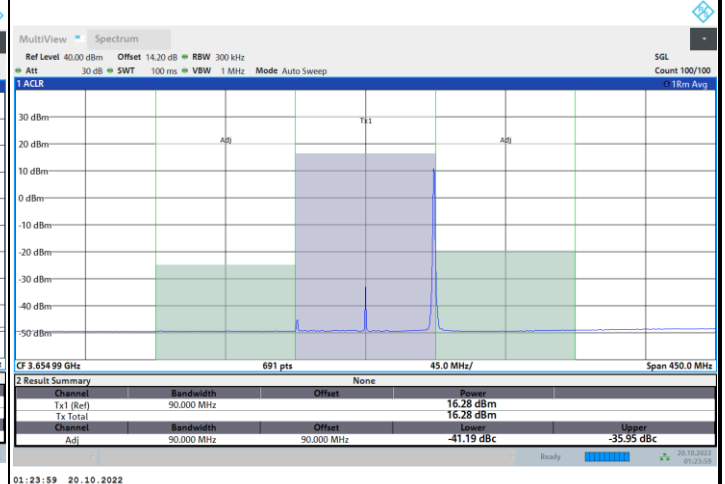
FR1 N77 / 90MHz / CP OFDM / 64QAM

Highest Channel

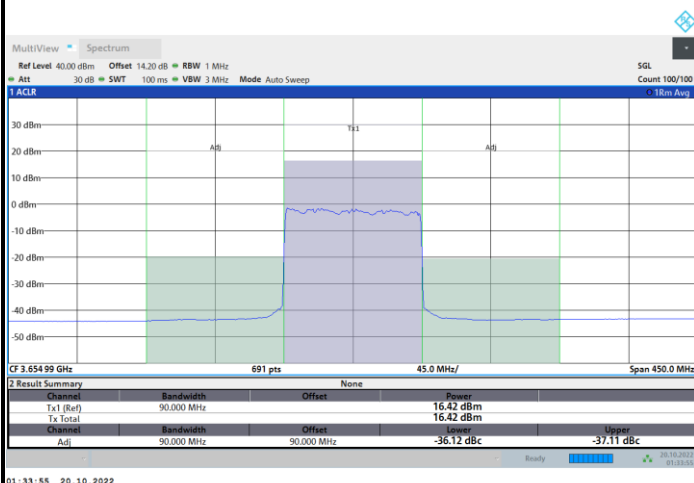
1RB0



1RBmax



Full RB

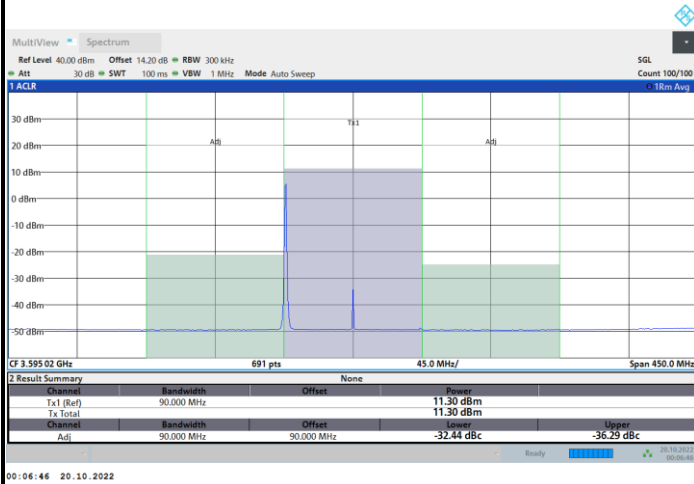




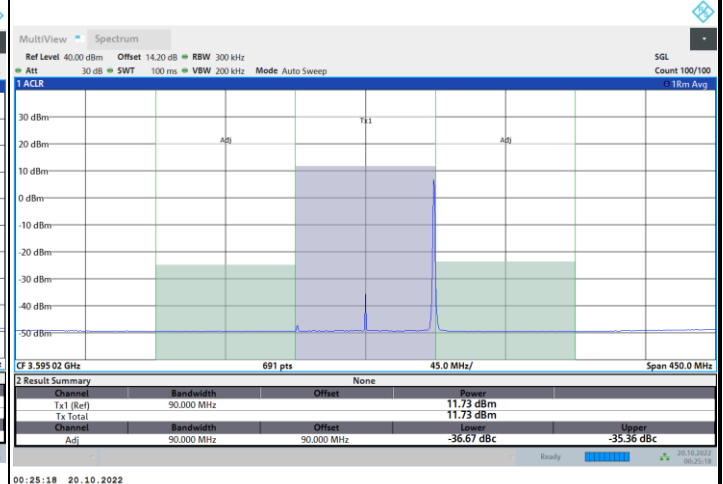
FR1 N77 / 90MHz / CP OFDM / 256QAM

Lowest Channel

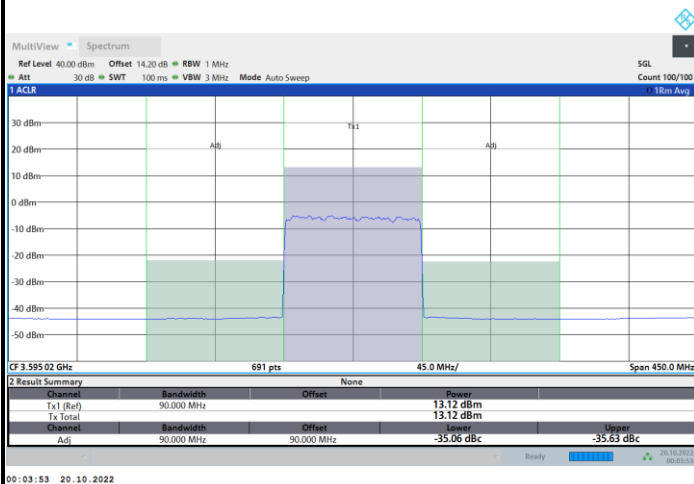
1RB0



1RBmax



Full RB

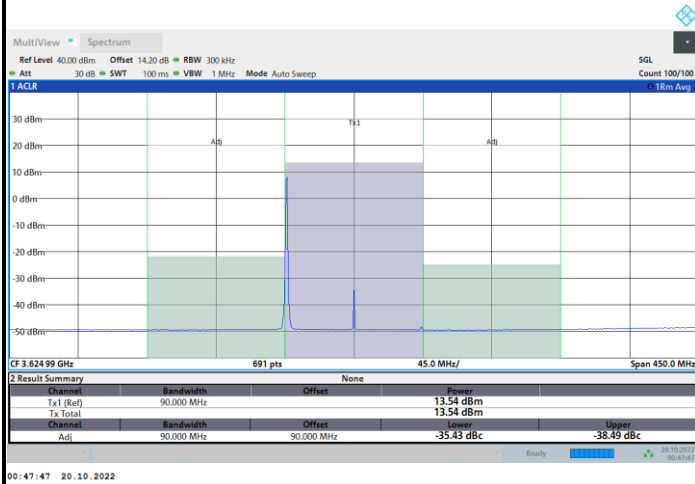




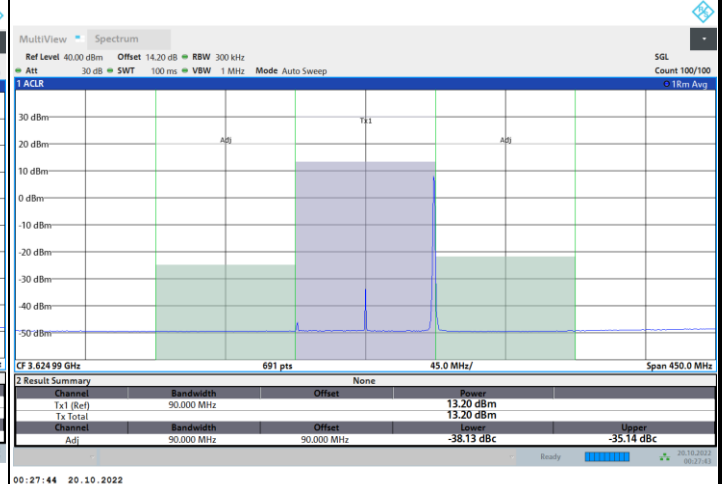
FR1 N77 / 90MHz / CP OFDM / 256QAM

Middle Channel

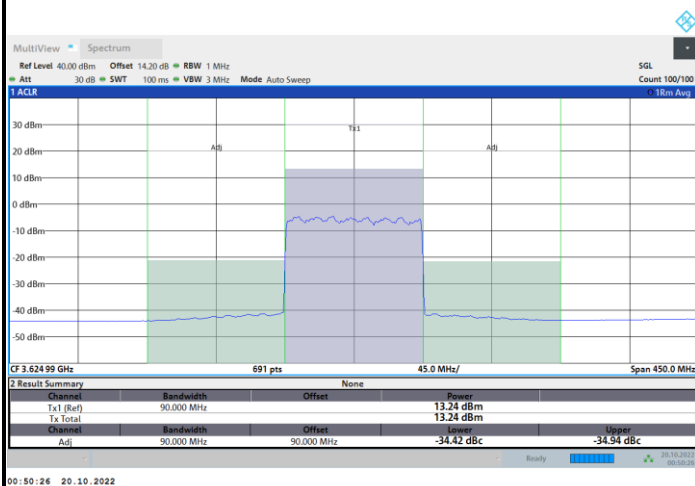
1RB0

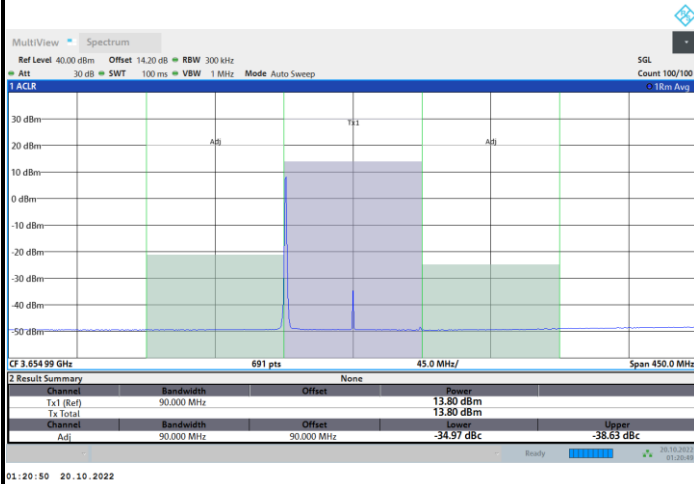
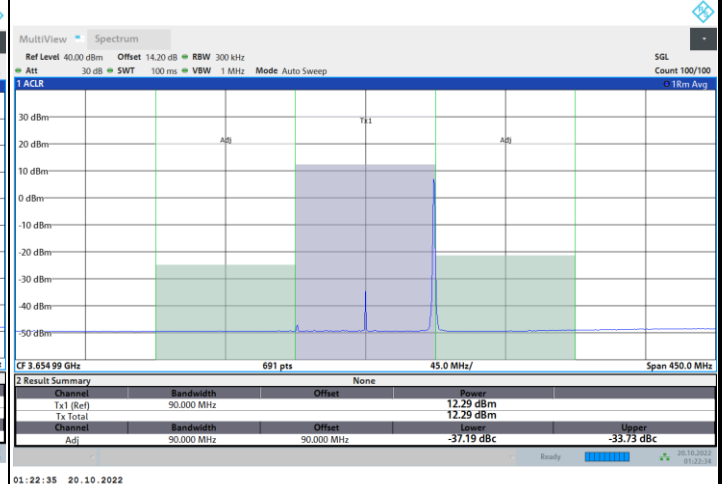
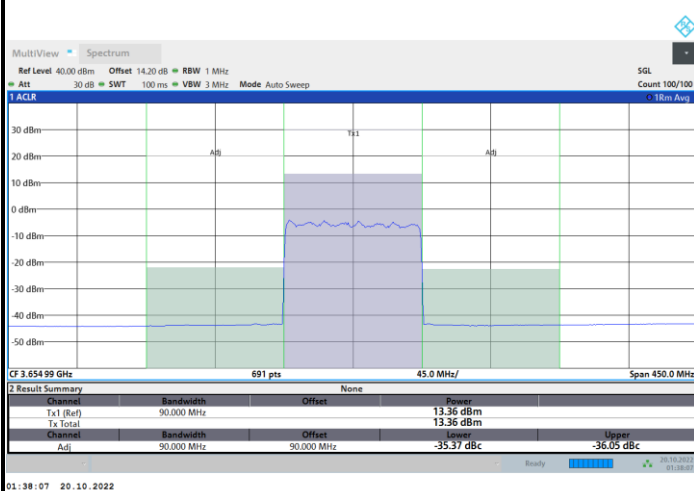


1RBmax



Full RB



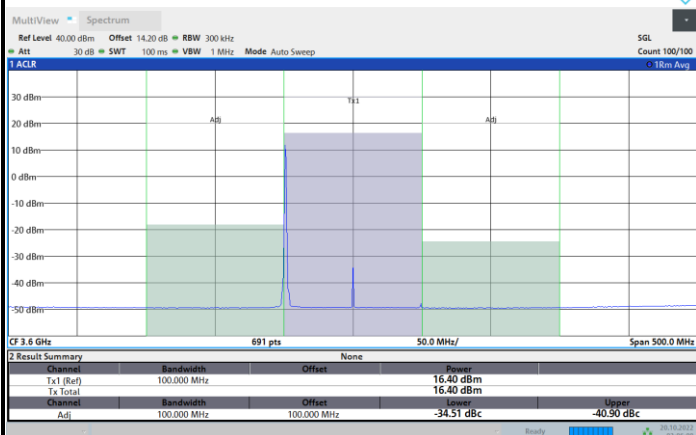
**FR1 N77 / 90MHz / CP OFDM / 256QAM****Highest Channel****1RB0****1RBmax****Full RB**



FR1 N77 / 100MHz / CP OFDM / QPSK

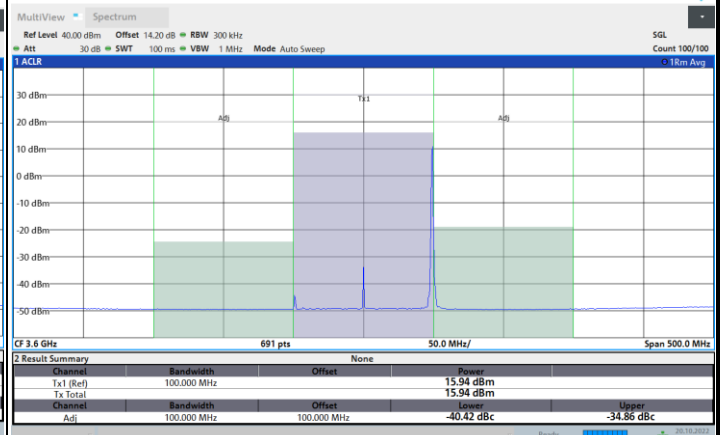
Lowest Channel

1RB0



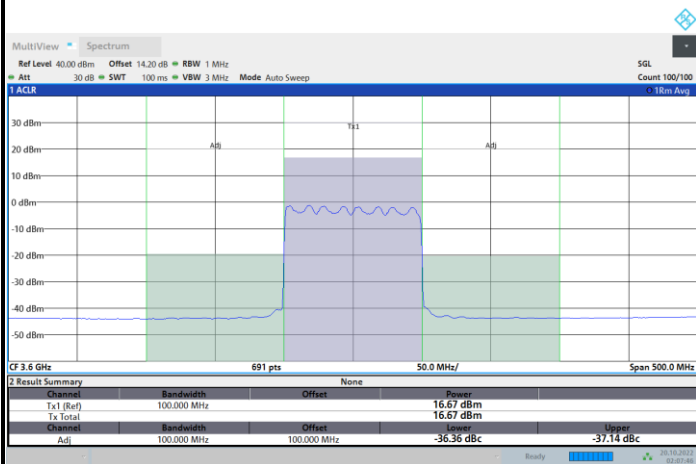
02:06:10 20.10.2022

1RBmax



01:43:21 20.10.2022

Full RB



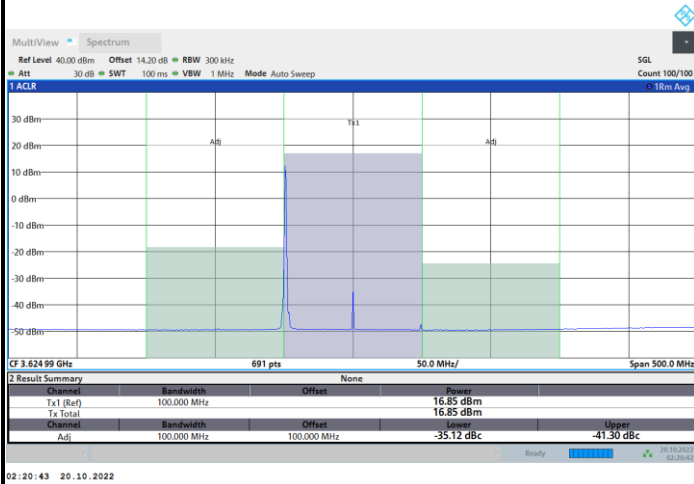
02:07:47 20.10.2022



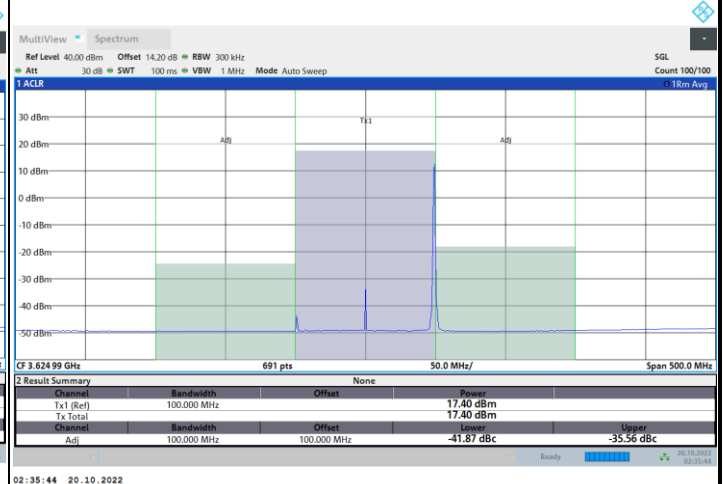
FR1 N77 / 100MHz / CP OFDM / QPSK

Middle Channel

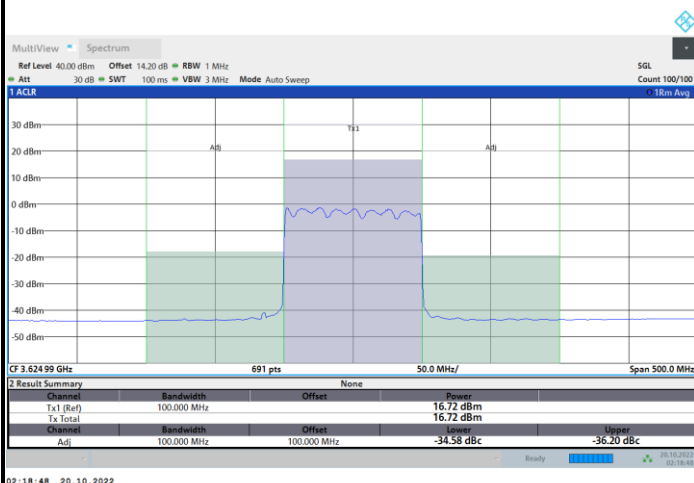
1RB0



1RBmax



Full RB

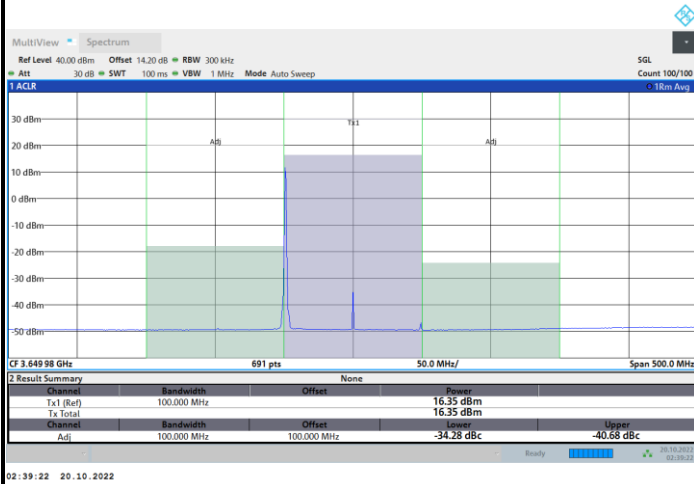




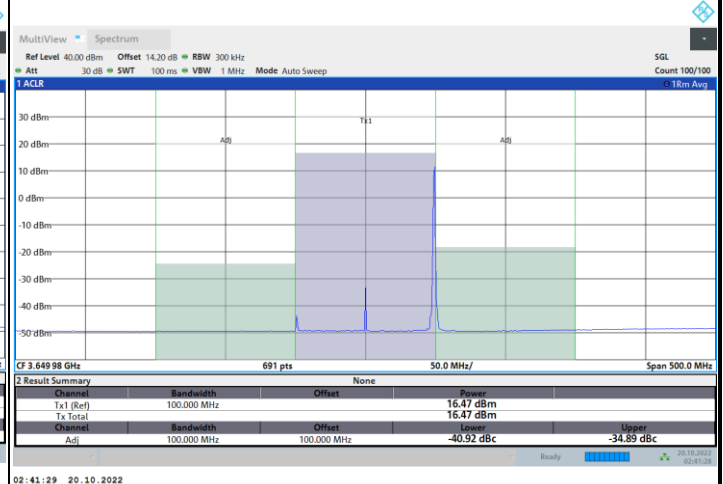
FR1 N77 / 100MHz / CP OFDM / QPSK

Highest Channel

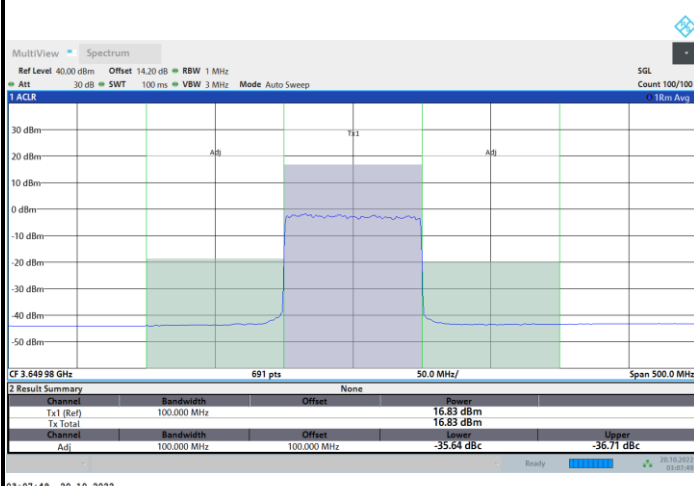
1RB0



1RBmax



Full RB

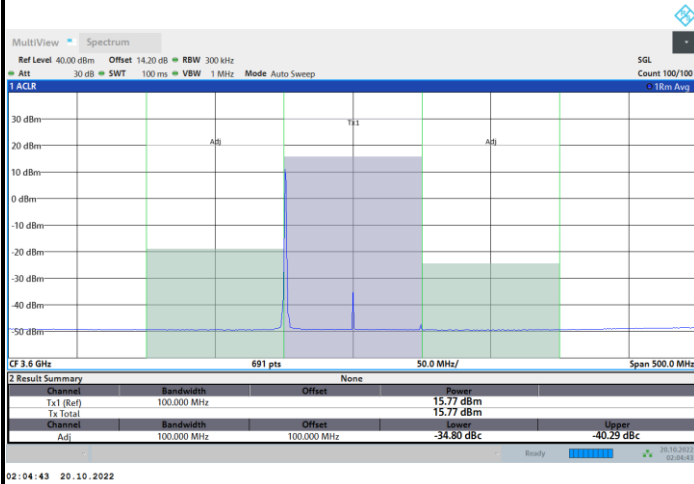




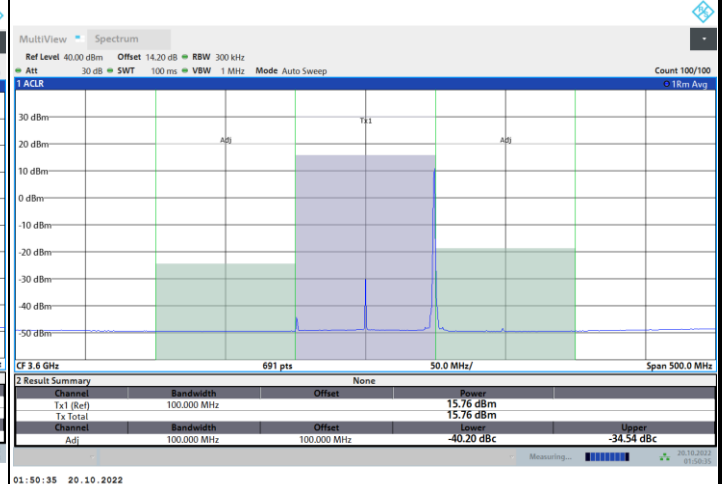
FR1 N77 / 100MHz / CP OFDM / 16QAM

Lowest Channel

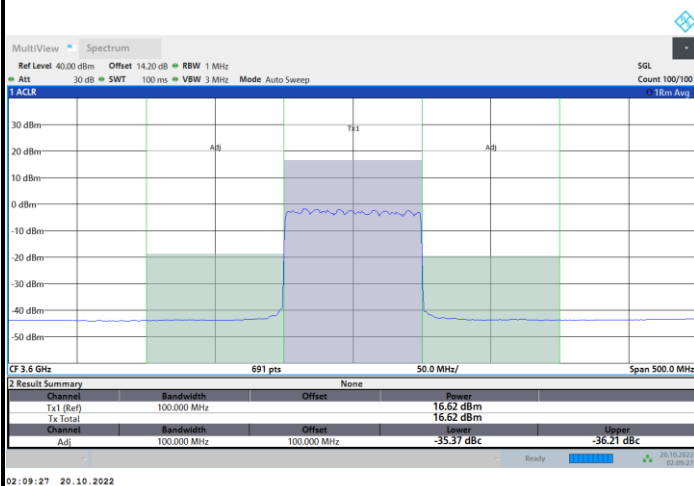
1RB0



1RBmax



Full RB

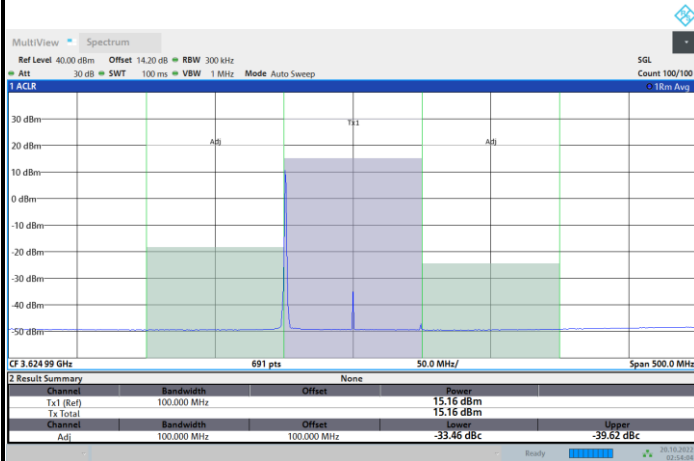




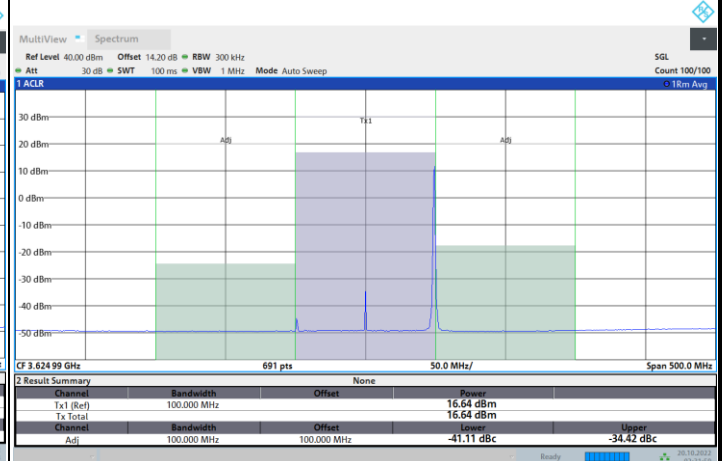
FR1 N77 / 100MHz / CP OFDM / 16QAM

Middle Channel

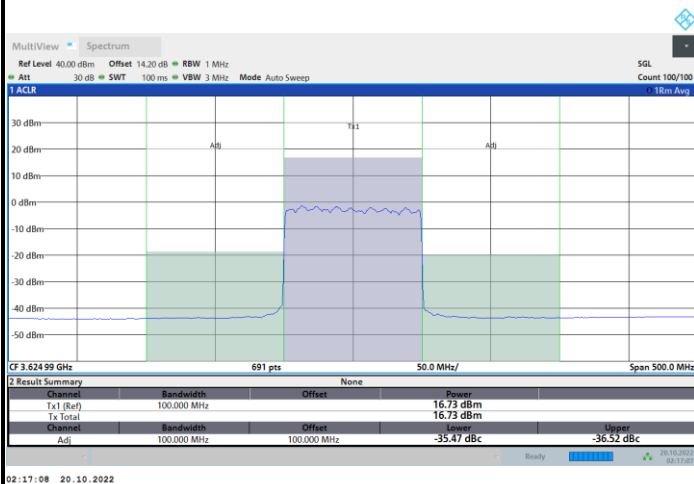
1RB0



1RBmax



Full RB

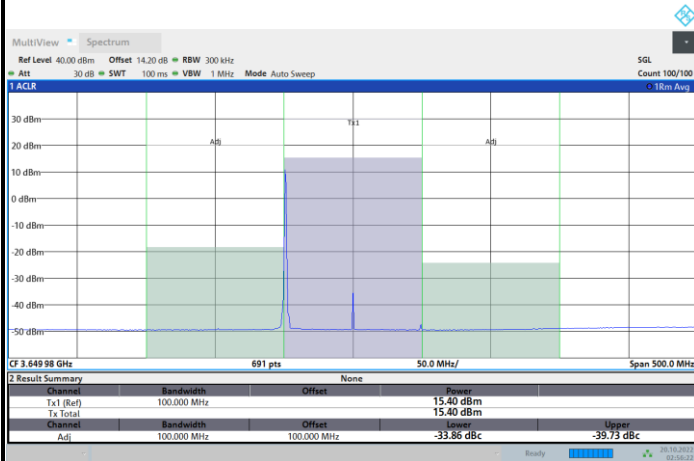




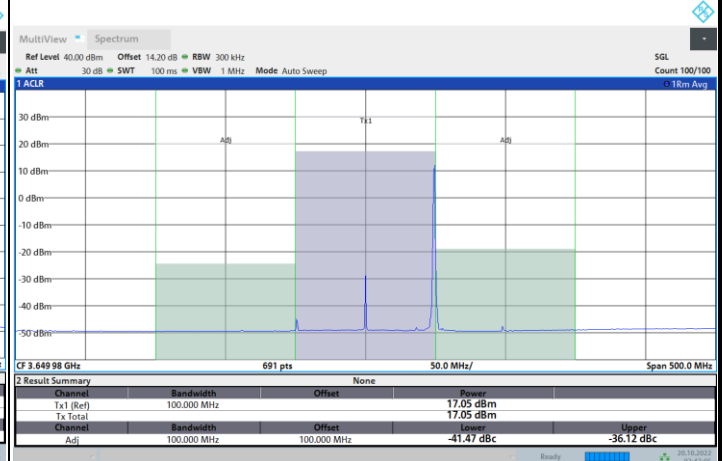
FR1 N77 / 100MHz / CP OFDM / 16QAM

Highest Channel

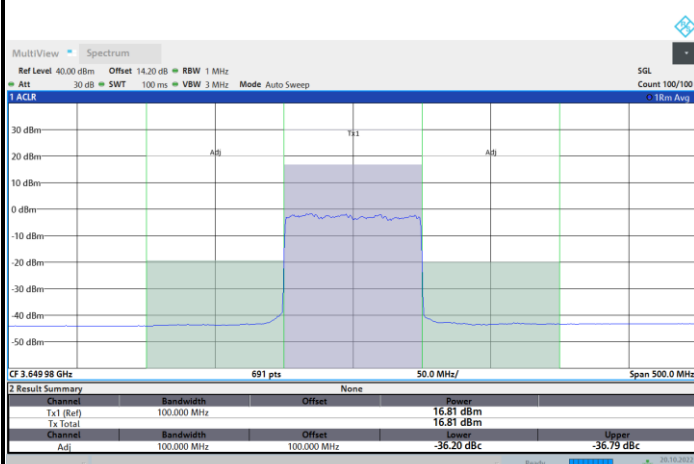
1RB0



1RBmax



Full RB

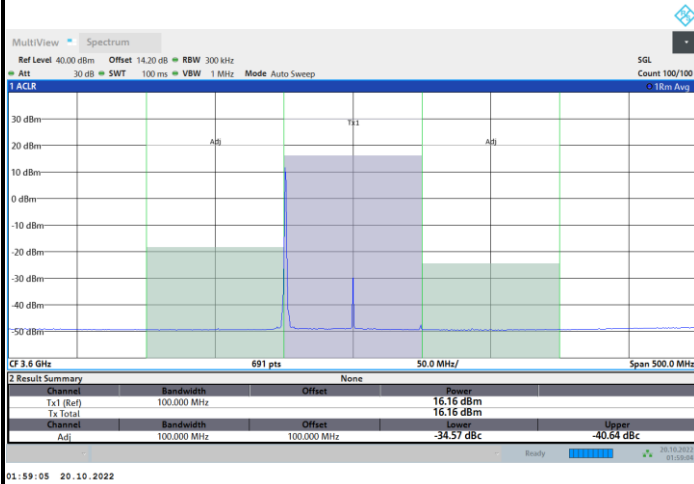




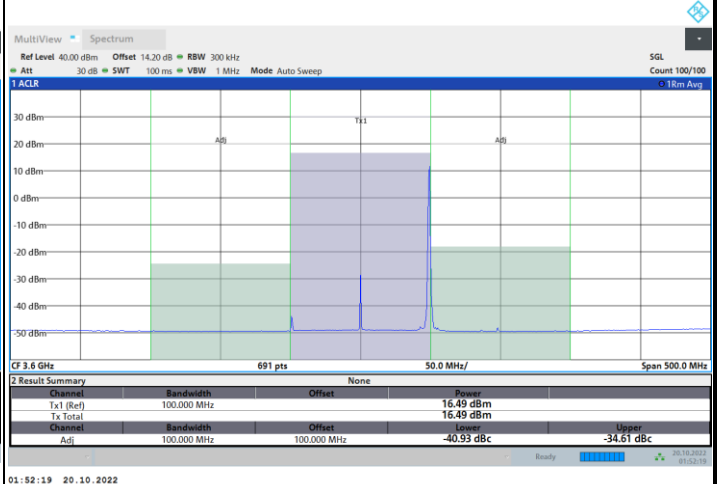
FR1 N77 / 100MHz / CP OFDM / 64QAM

Lowest Channel

1RB0



1RBmax



Full RB

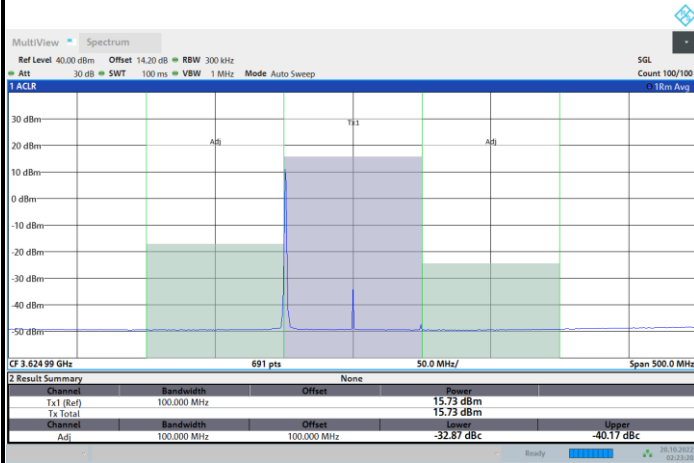




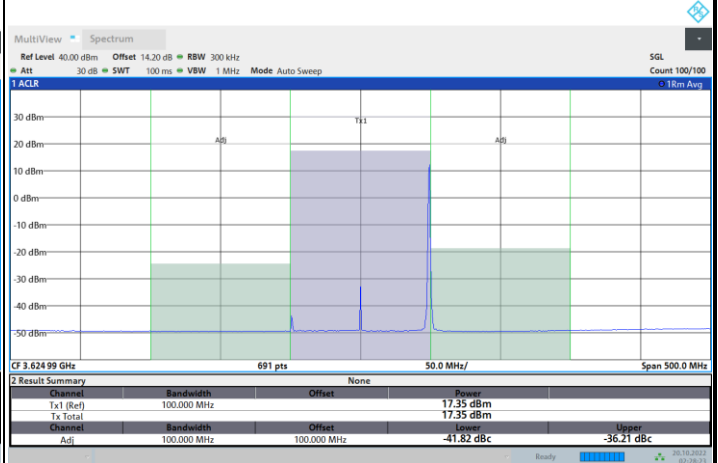
FR1 N77 / 100MHz / CP OFDM / 64QAM

Middle Channel

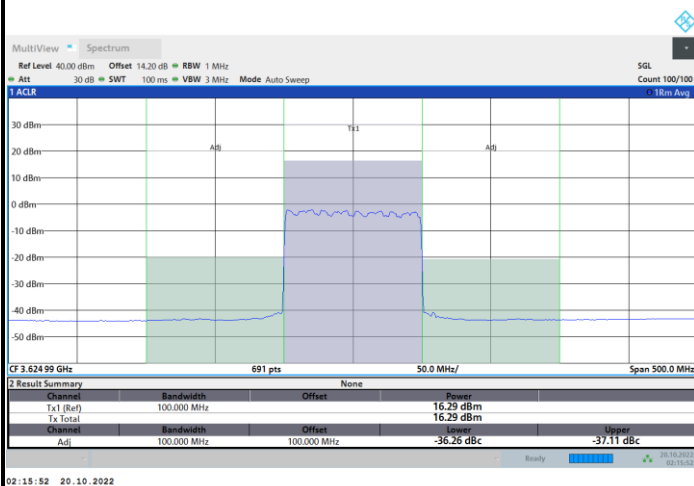
1RB0



1RBmax



Full RB

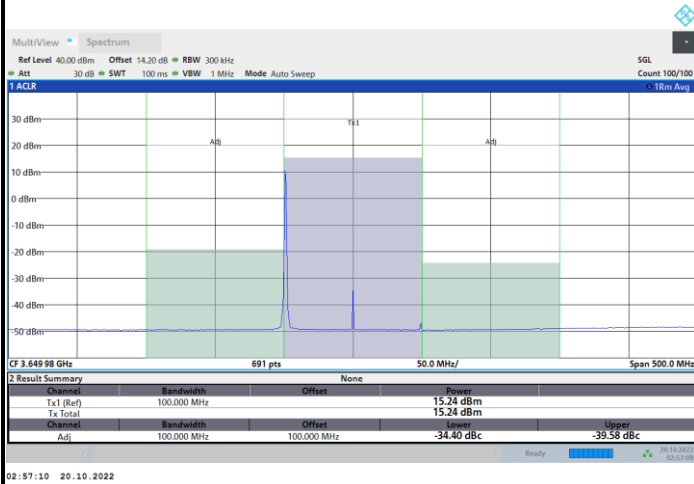




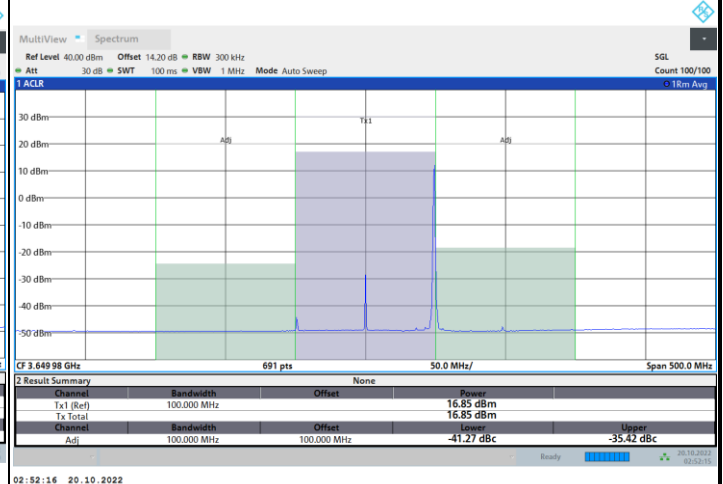
FR1 N77 / 100MHz / CP OFDM / 64QAM

Highest Channel

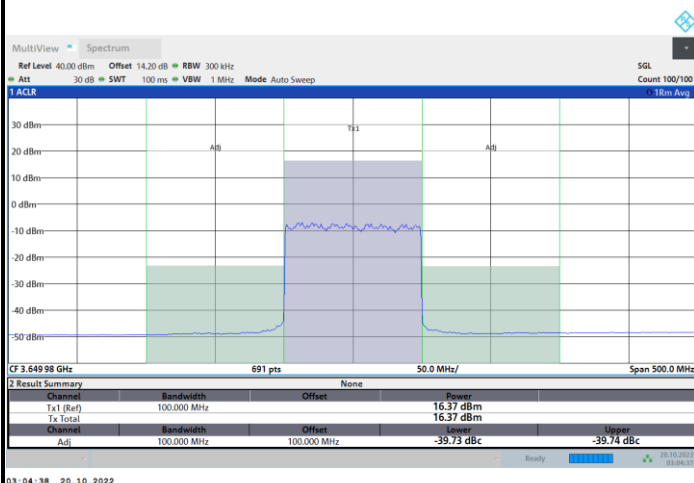
1RB0



1RBmax



Full RB

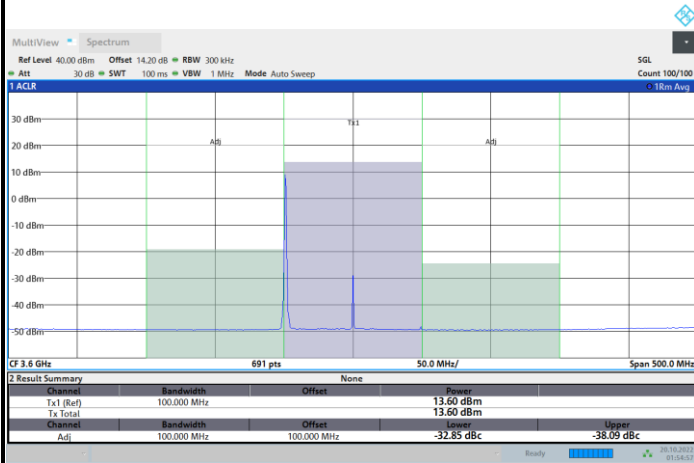




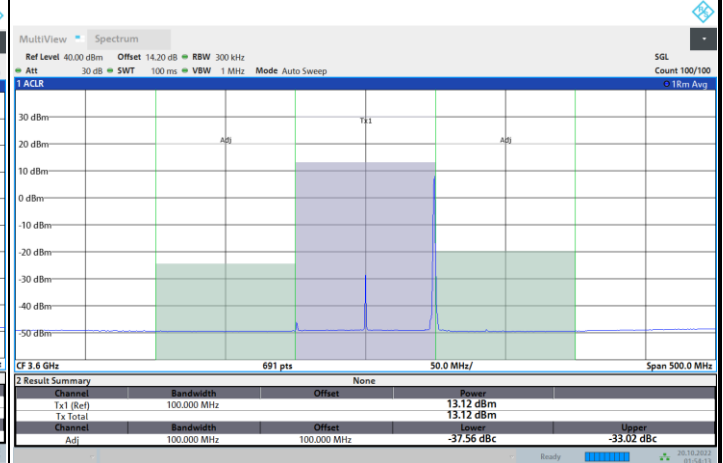
FR1 N77 / 100MHz / CP OFDM / 256QAM

Lowest Channel

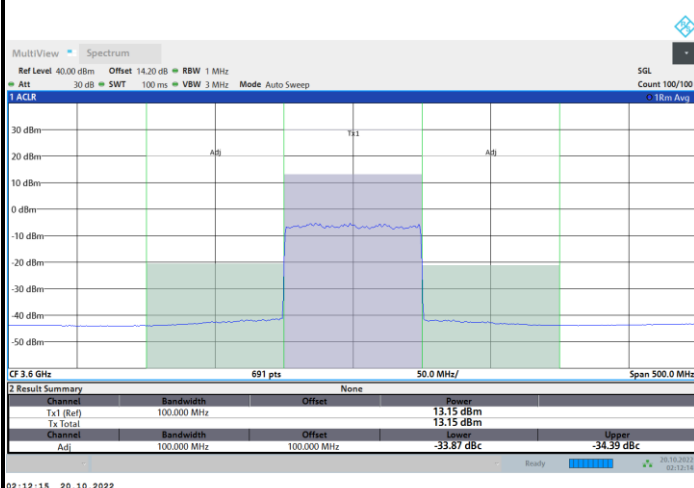
1RB0



1RBmax



Full RB

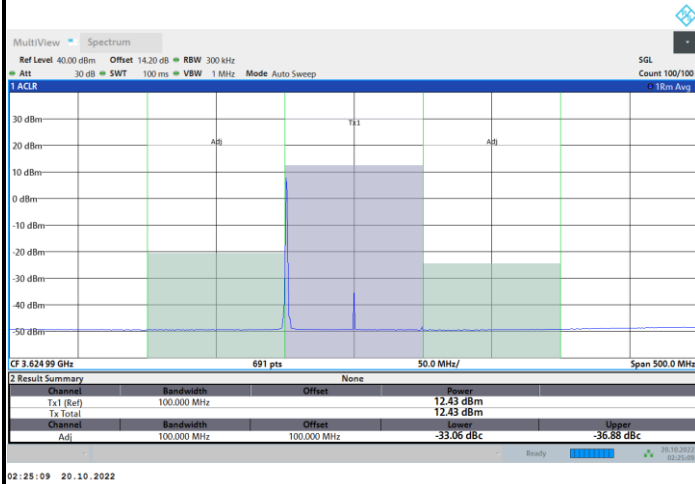




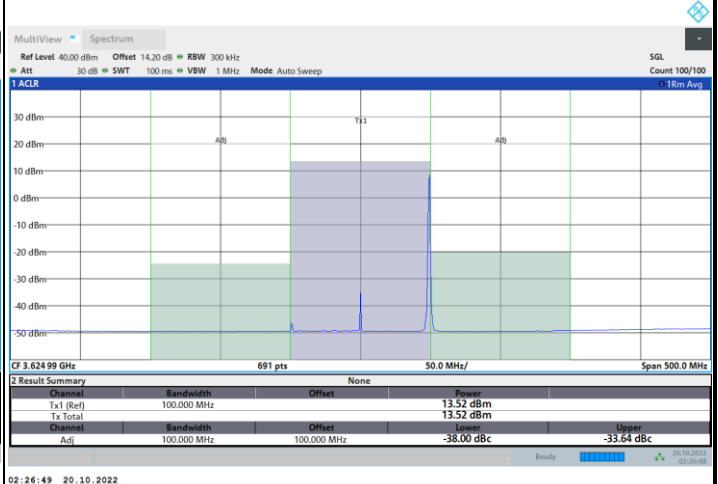
FR1 N77 / 100MHz / CP OFDM / 256QAM

Middle Channel

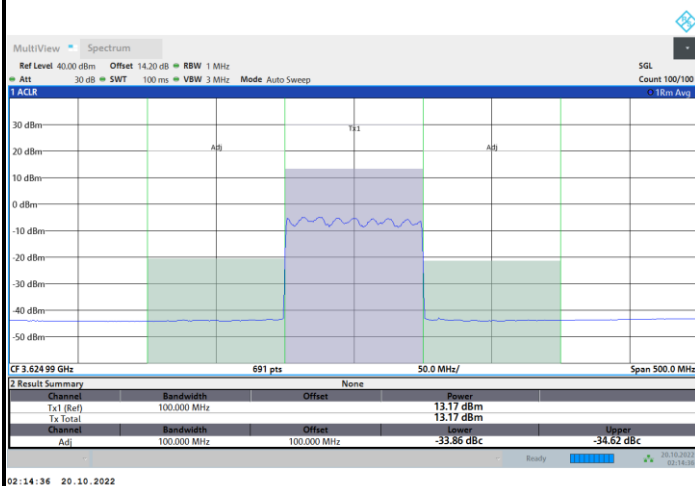
1RB0



1RBmax



Full RB

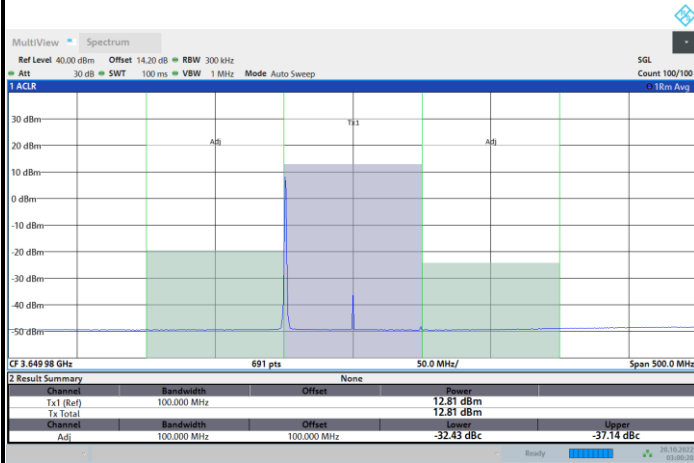




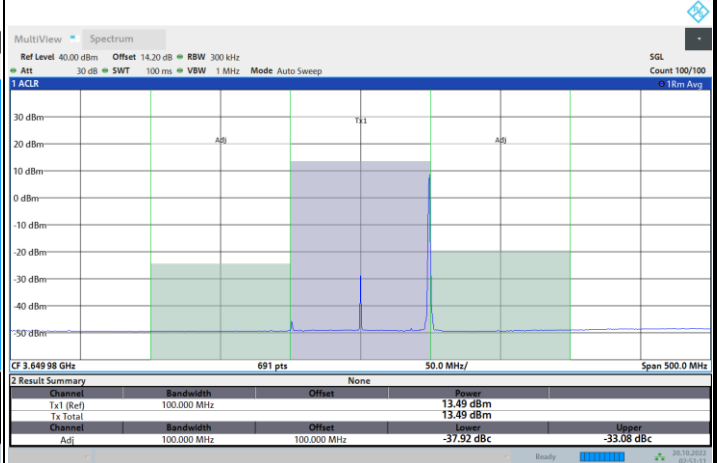
FR1 N77 / 100MHz / CP OFDM / 256QAM

Highest Channel

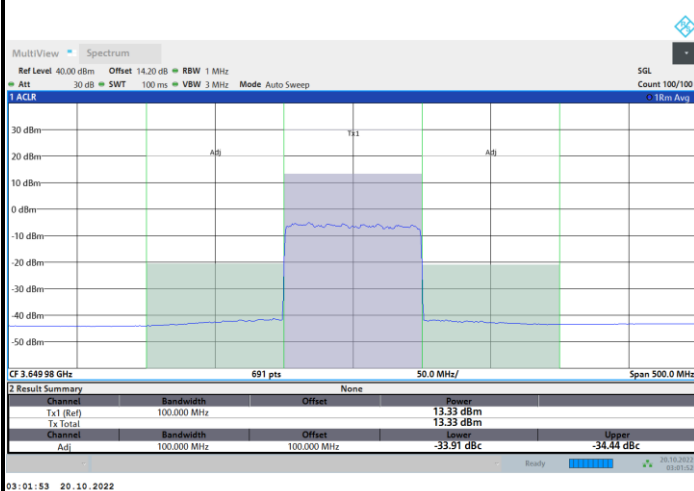
1RB0



1RBmax



Full RB

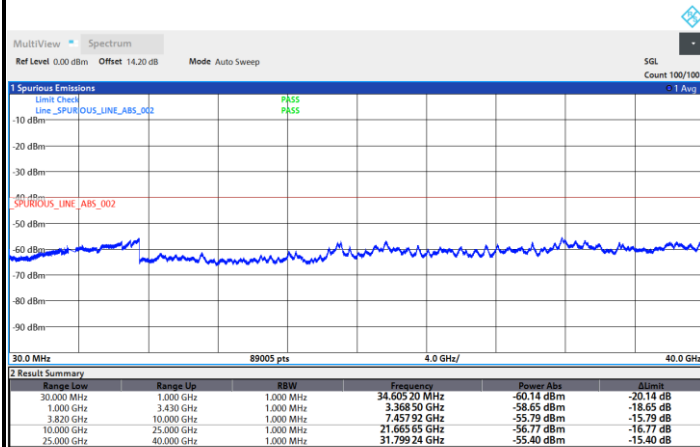




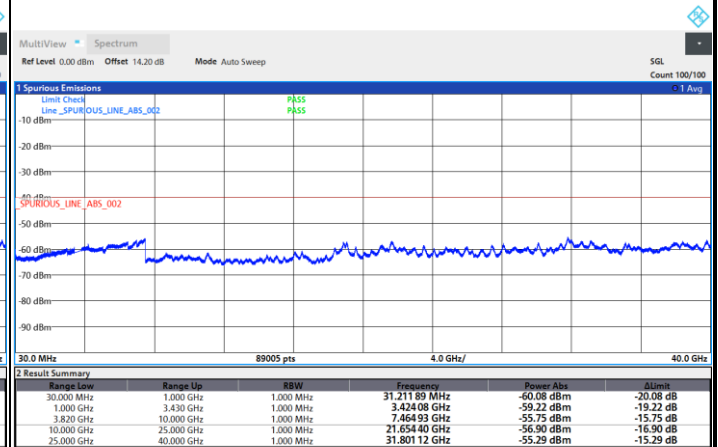
Conducted Spurious Emission

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

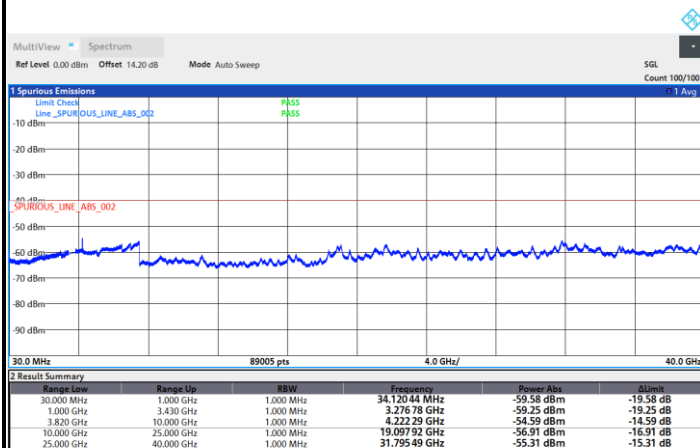
Lowest Channel



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>

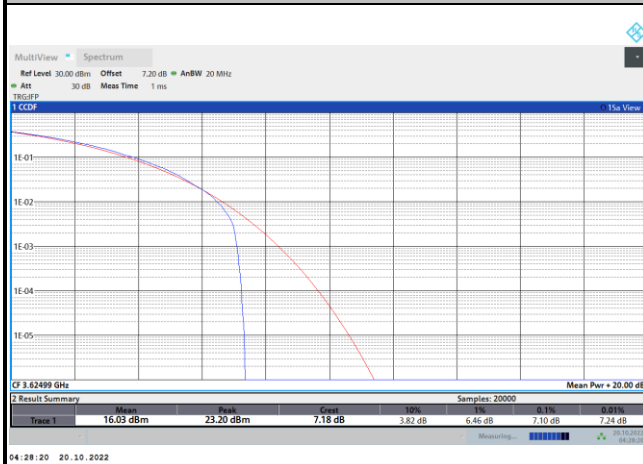
Peak-to-Average Ratio

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	PASS

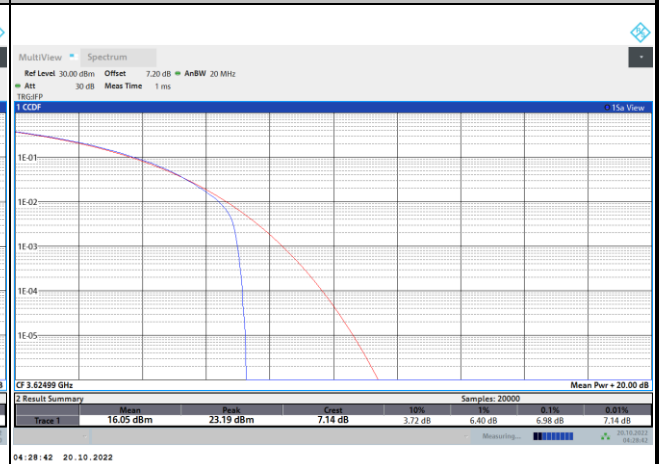


FR1 N77 / 20MHz / CP OFDM / Middle Channel / Full RB

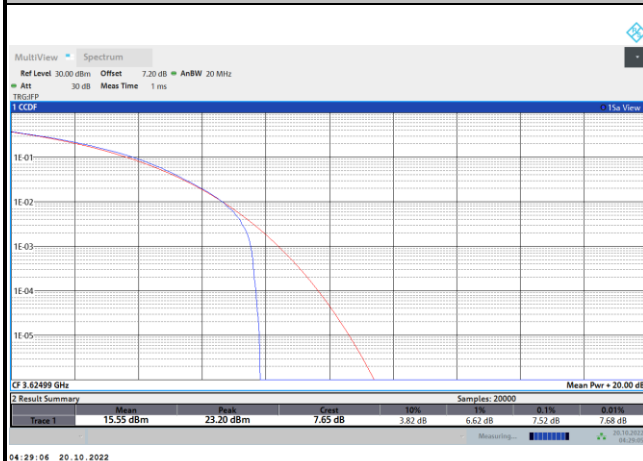
QPSK



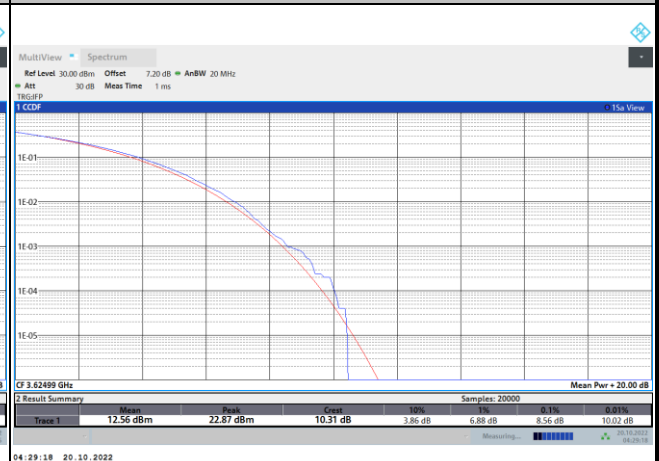
16QAM



64QAM



256QAM



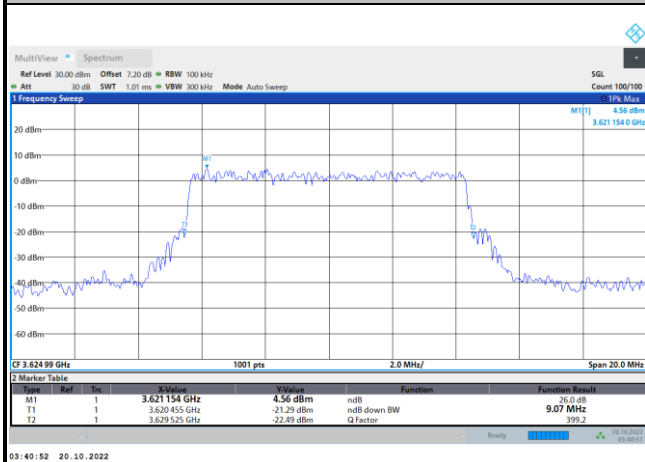
**26dB Bandwidth**

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

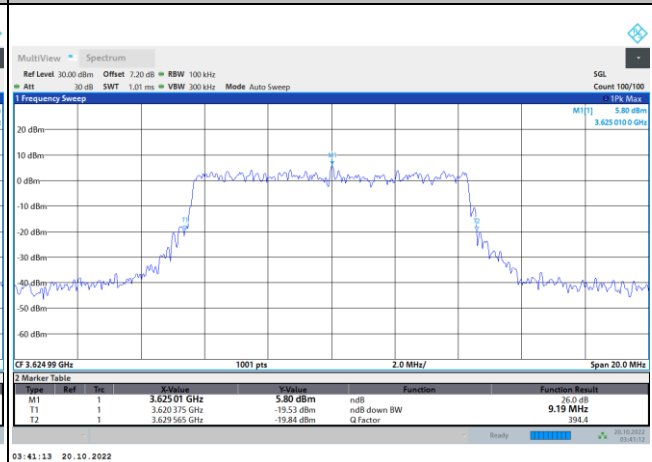


FR1 N77 / 10MHz / CP OFDM / Middle Channel / Full RB

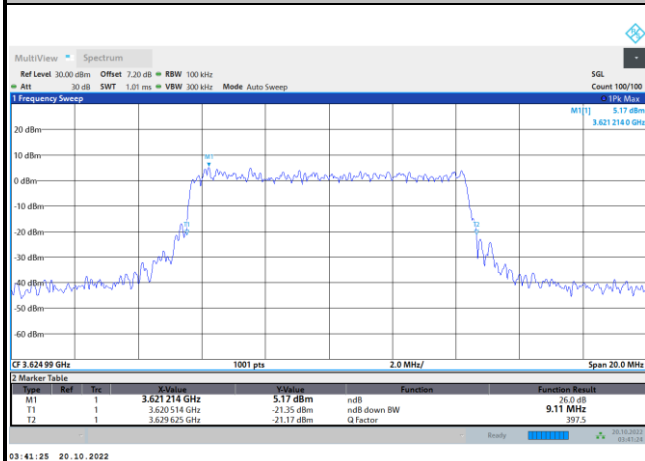
QPSK



16QAM



64QAM



256QAM

