

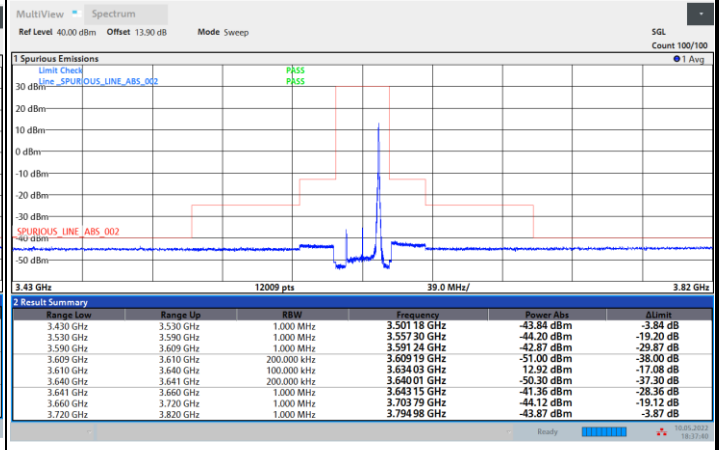
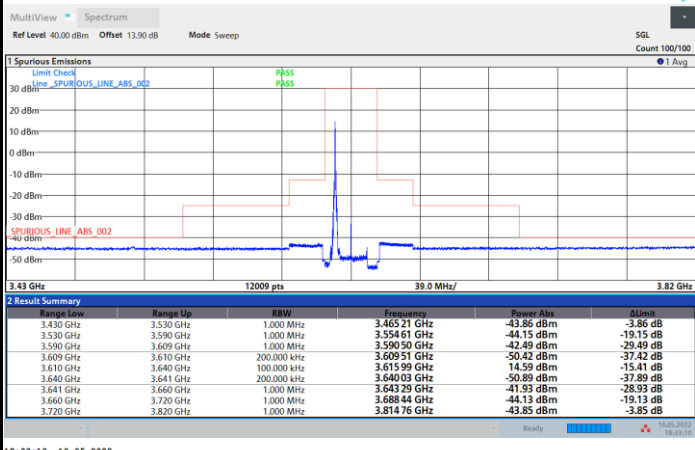


FR1 n48 / 20MHz / CP OFDM / 64QAM

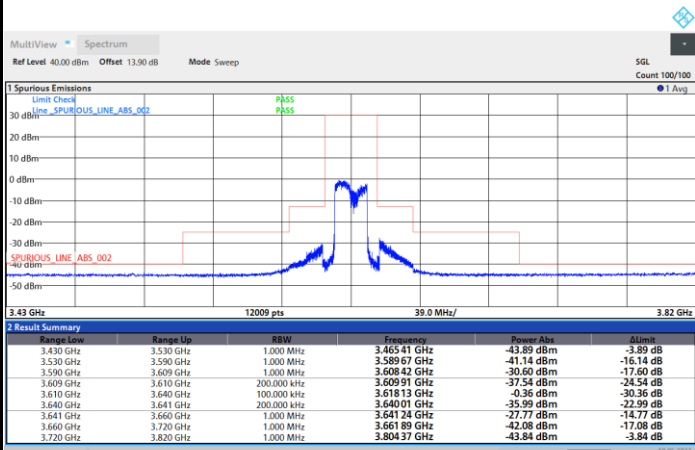
Middle Channel

1RB0

1RBmax



Full RB



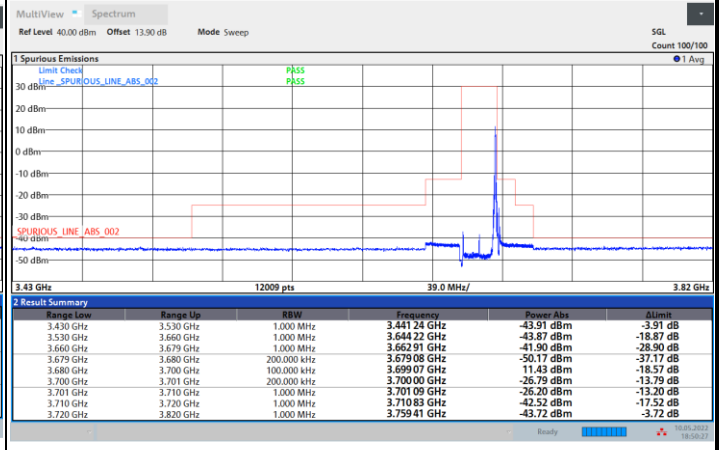
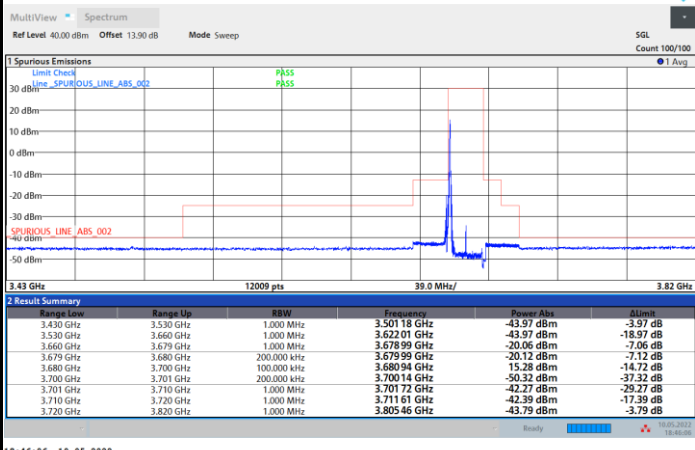


FR1 n48 / 20MHz / CP OFDM / 64QAM

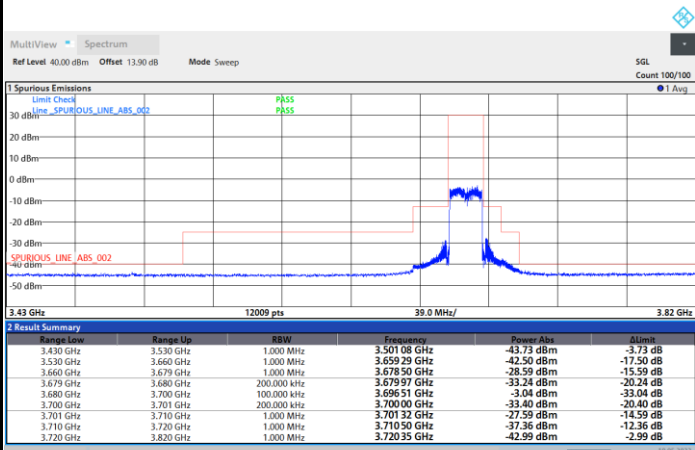
Highest Channel

1RB0

1RBmax



Full RB



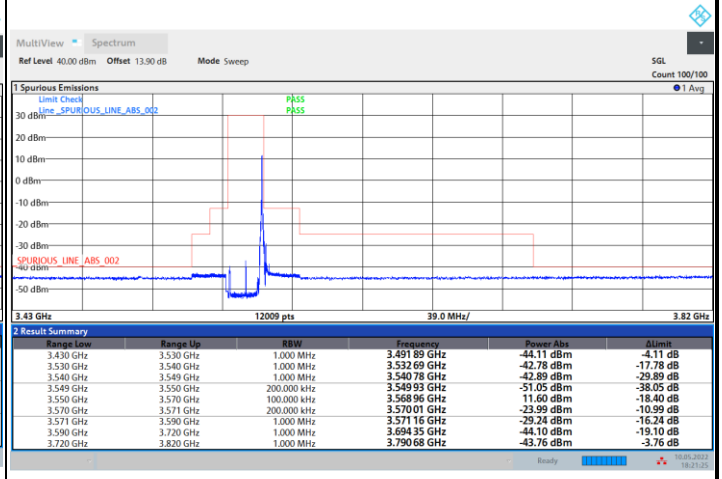
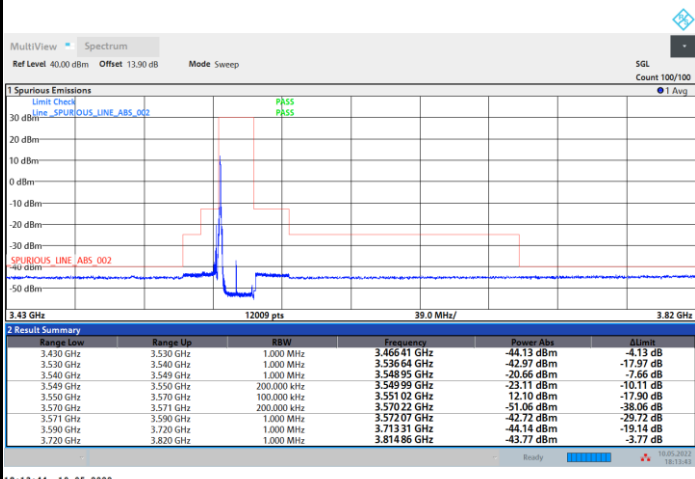


FR1 n48 / 20MHz / CP OFDM / 256QAM

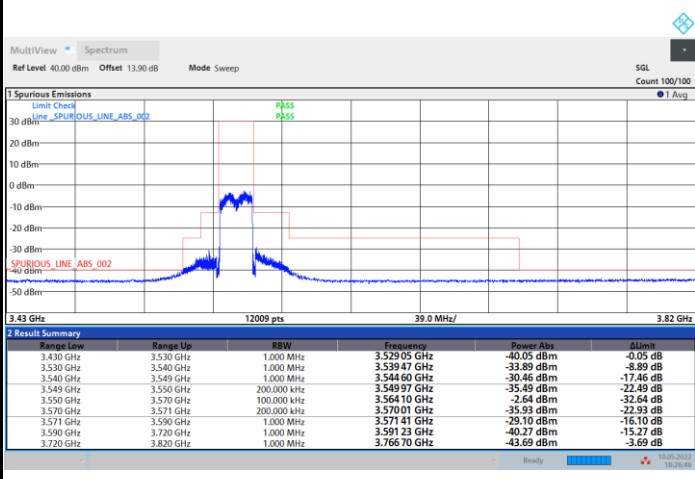
Lowest Channel

1RB0

1RBmax



Full RB



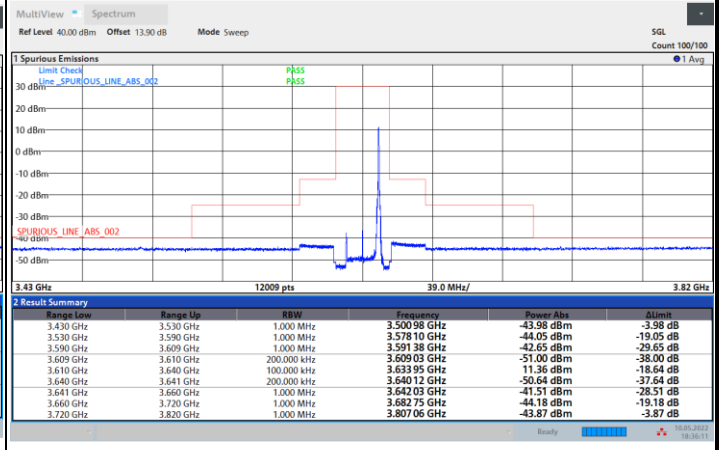
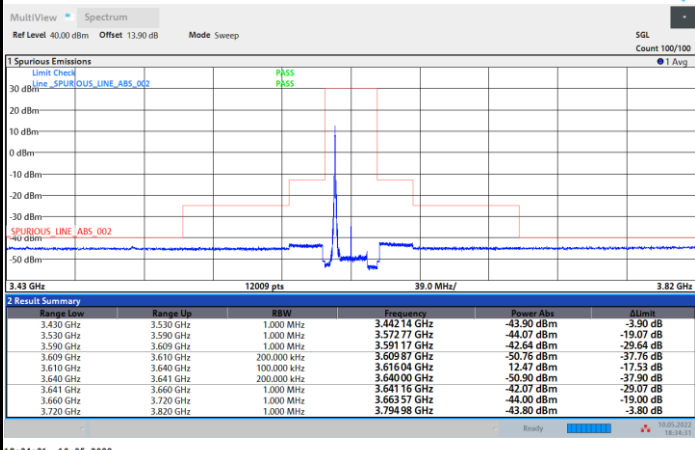


FR1 n48 / 20MHz / CP OFDM / 256QAM

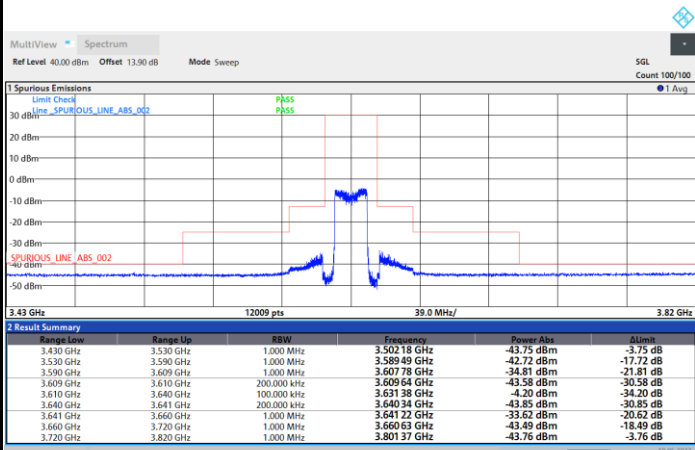
Middle Channel

1RB0

1RBmax



Full RB



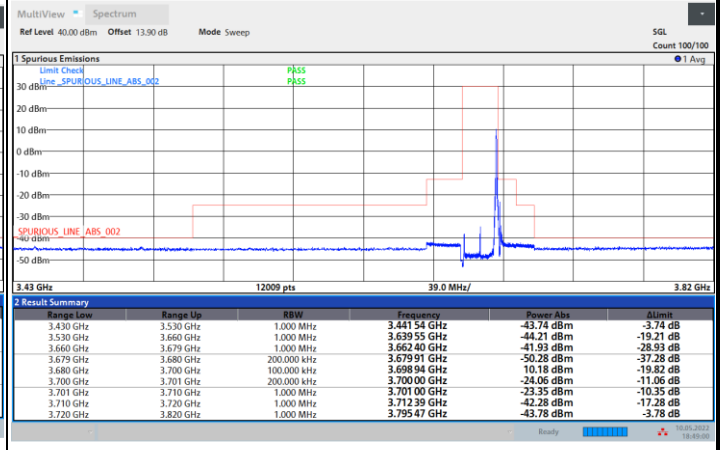
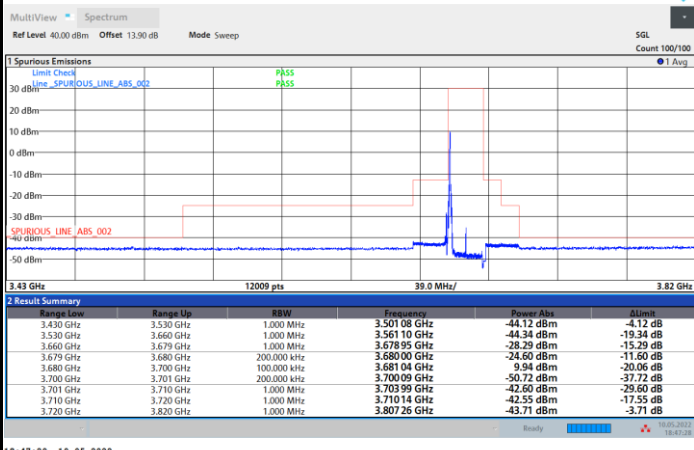


FR1 n48 / 20MHz / CP OFDM / 256QAM

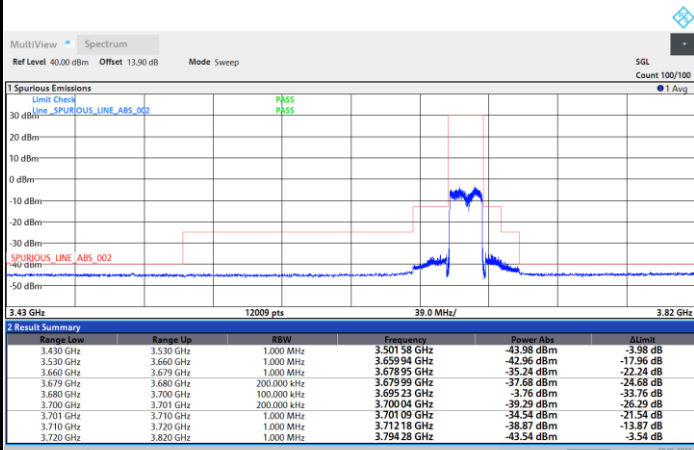
Highest Channel

1RB0

1RBmax



Full RB





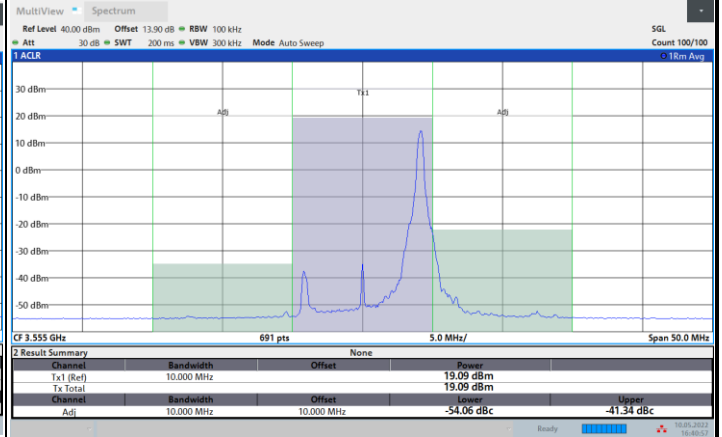
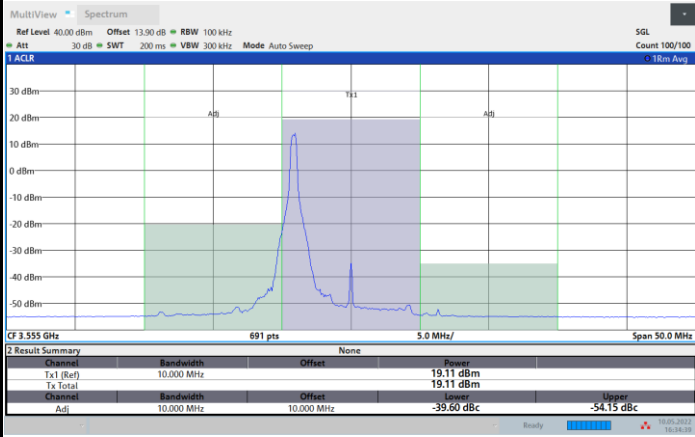
Adjacent Channel Leakage Ratio (ACLR)

FR1 n48 / 10MHz / CP OFDM / QPSK

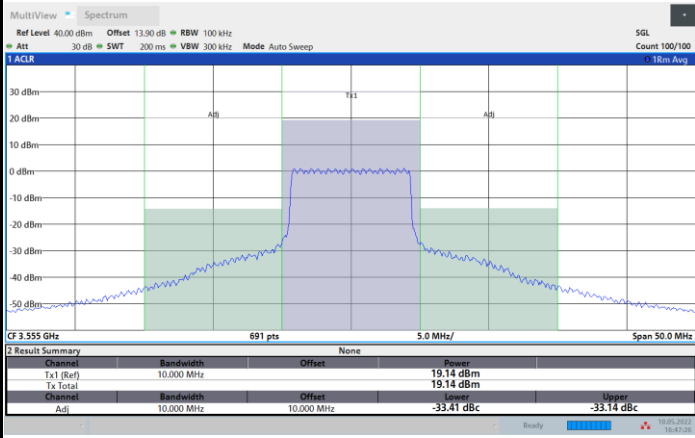
Lowest Channel

1RB0

1RBmax



Full RB



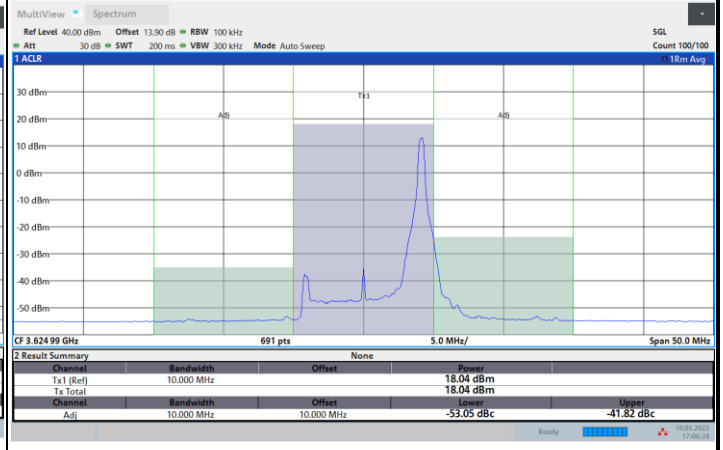
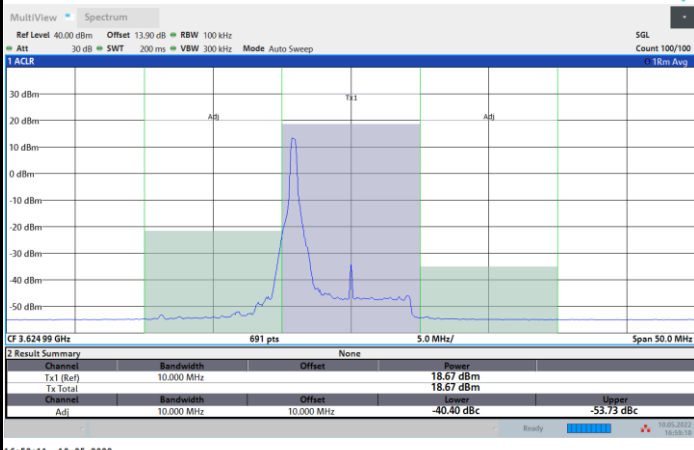


FR1 n48 / 10MHz / CP OFDM / QPSK

Middle Channel

1RB0

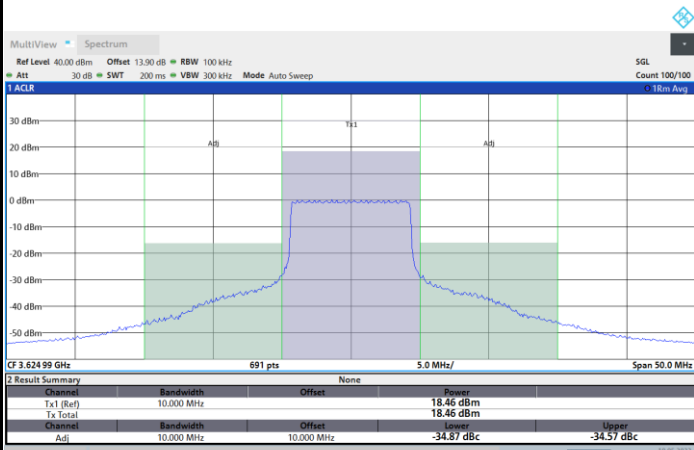
1RBmax



16:59:11 10.05.2022

17:06:34 10.05.2022

Full RB



17:16:08 10.05.2022

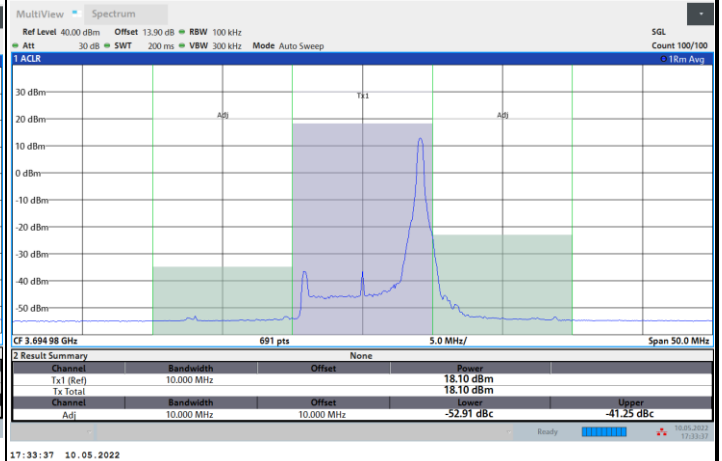
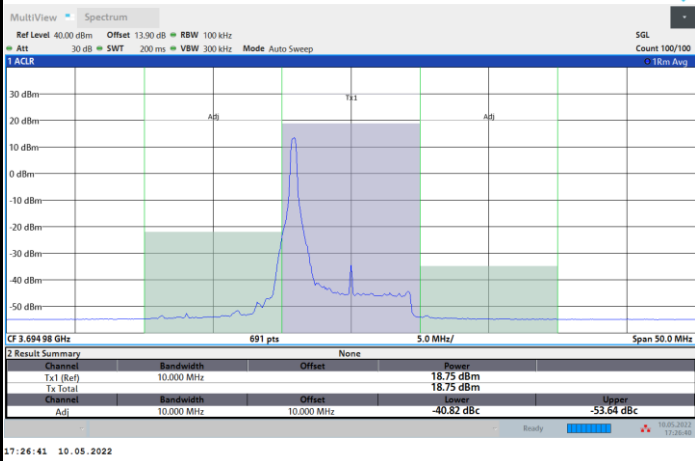


FR1 n48 / 10MHz / CP OFDM / QPSK

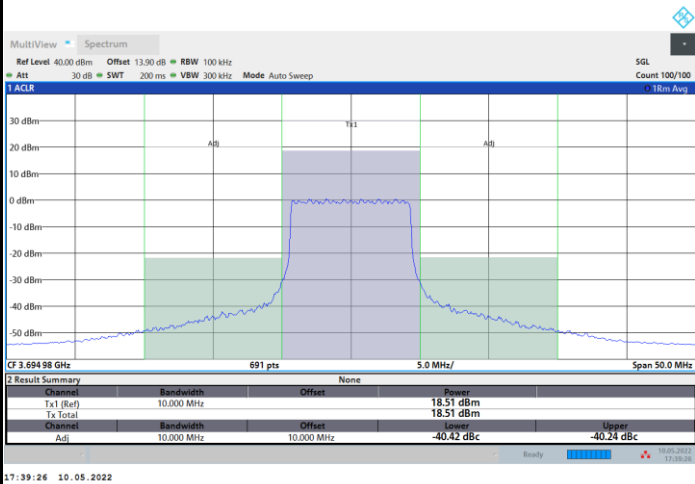
Highest Channel

1RB0

1RBmax



Full RB



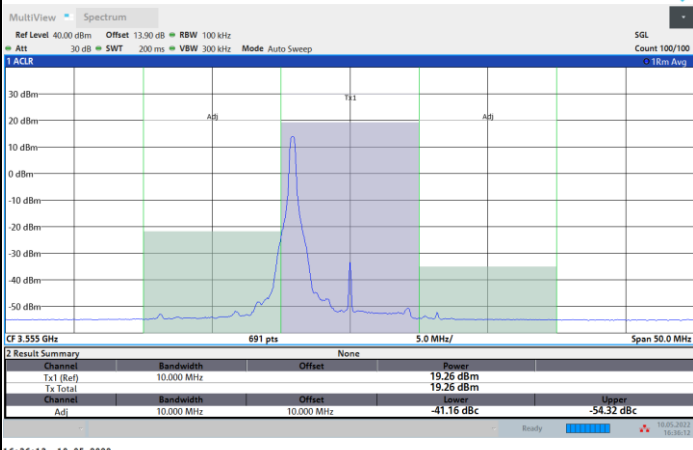


FR1 n48 / 10MHz / CP OFDM / 16QAM

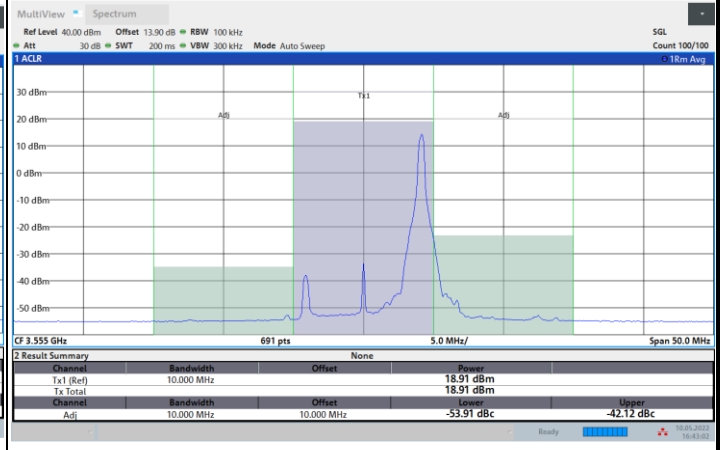
Lowest Channel

1RB0

1RBmax

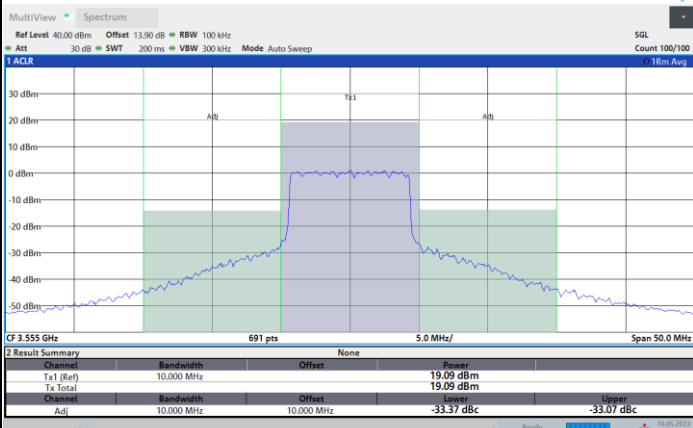


16:36:13 10.05.2022



16:43:03 10.05.2022

Full RB



16:49:05 10.05.2022

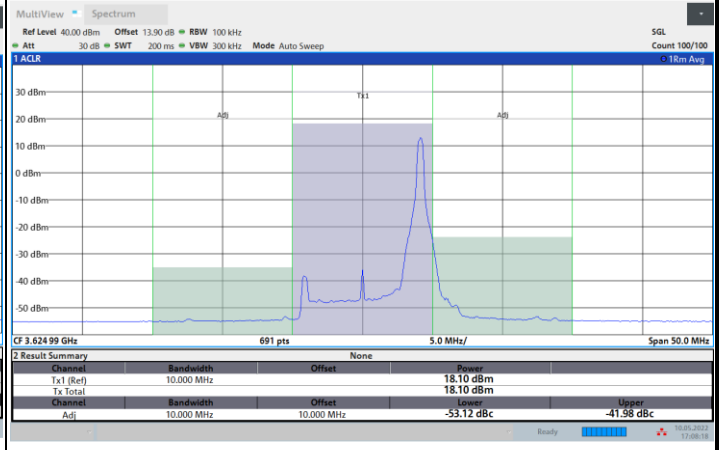
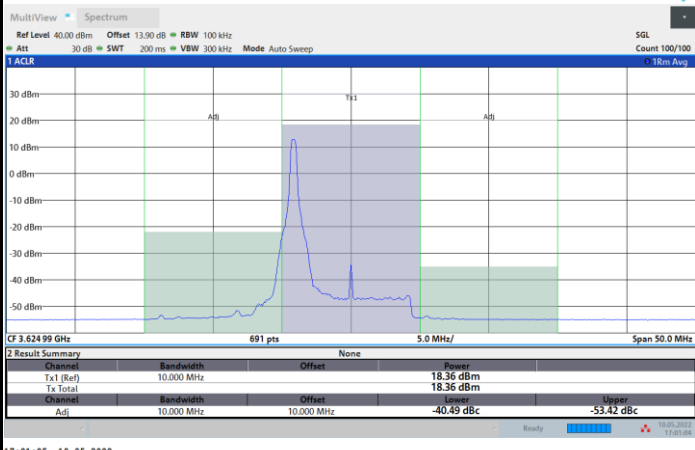


FR1 n48 / 10MHz / CP OFDM / 16QAM

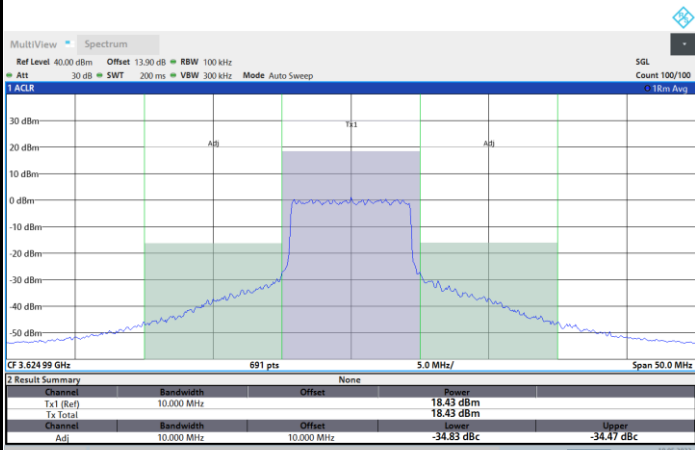
Middle Channel

1RB0

1RBmax



Full RB



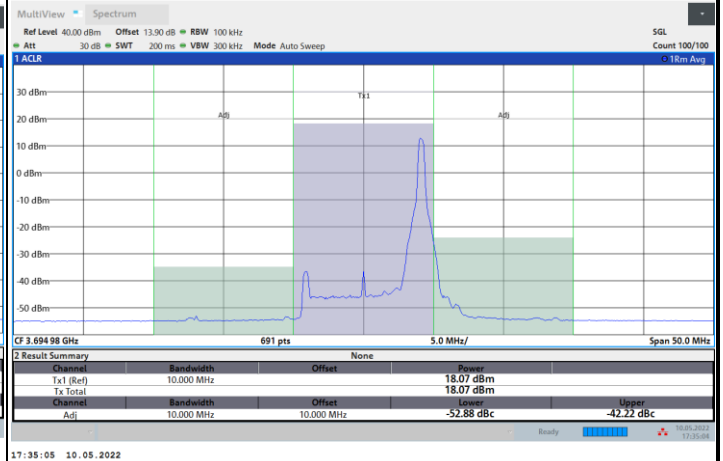
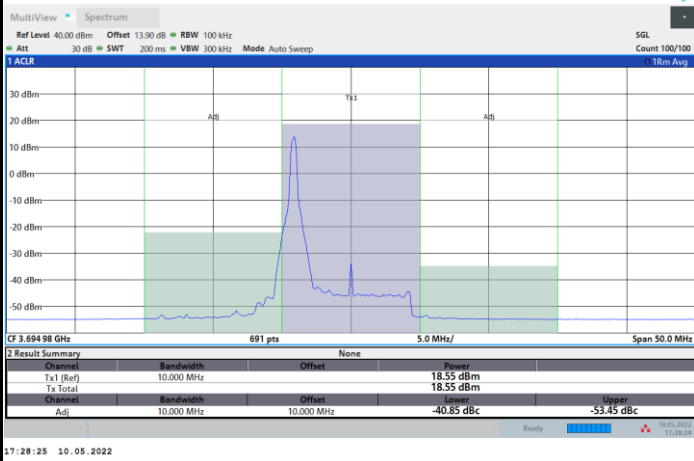


FR1 n48 / 10MHz / CP OFDM / 16QAM

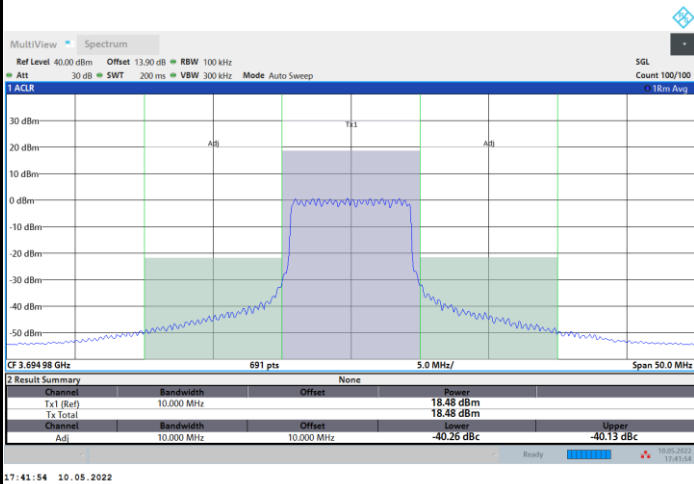
Highest Channel

1RB0

1RBmax



Full RB



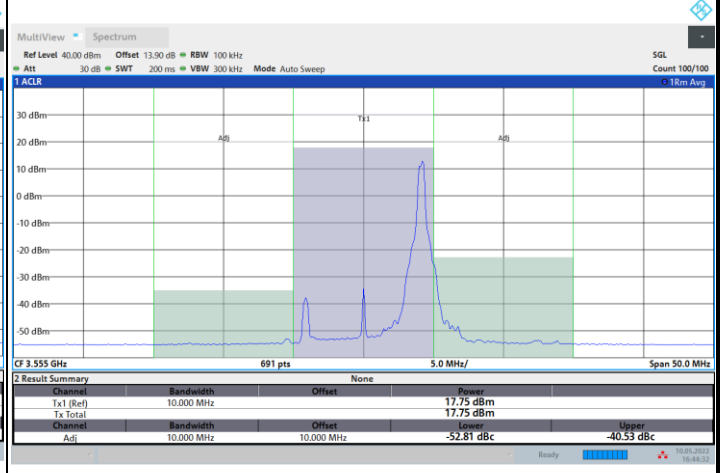
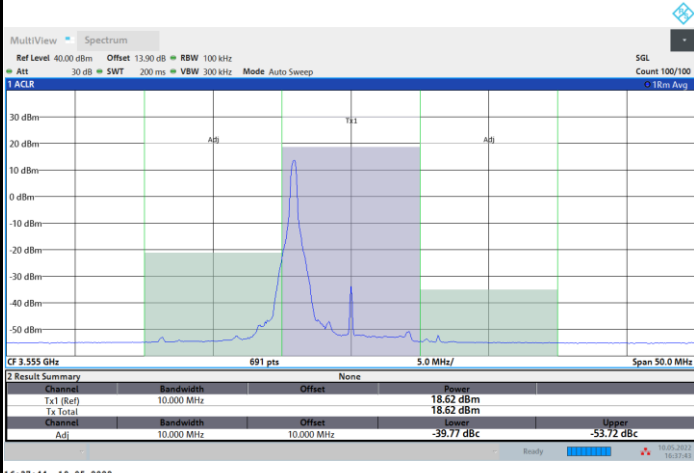


FR1 n48 / 10MHz / CP OFDM / 64QAM

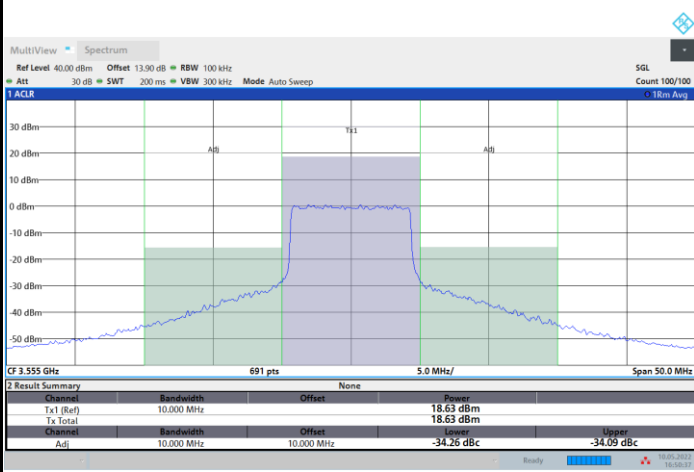
Lowest Channel

1RB0

1RBmax



Full RB



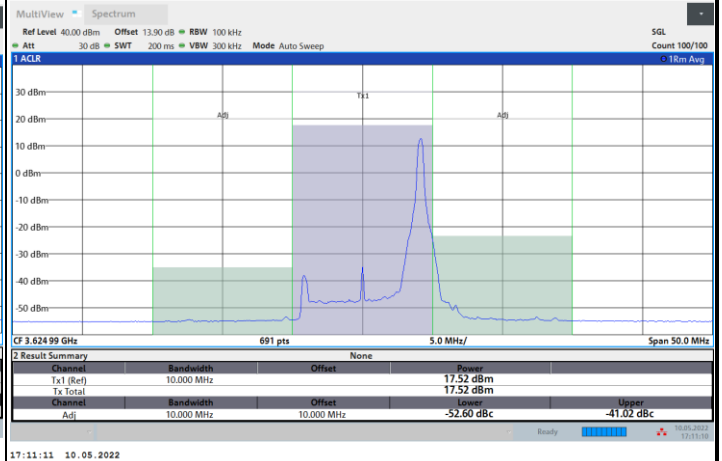
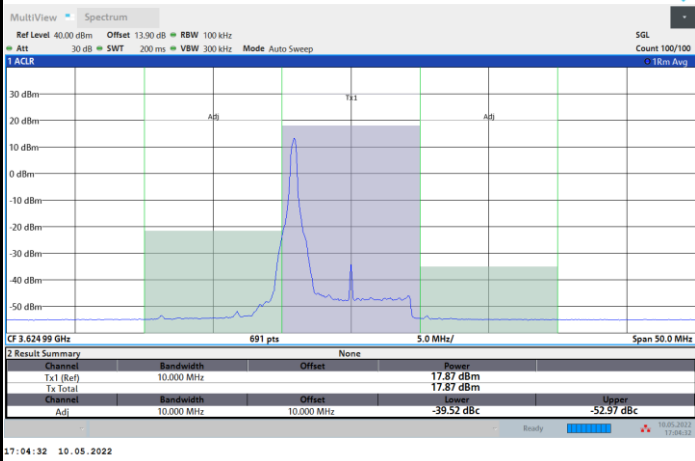


FR1 n48 / 10MHz / CP OFDM / 64QAM

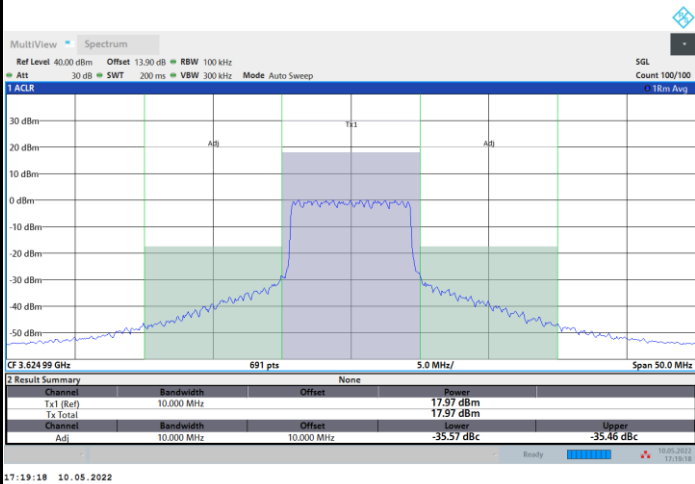
Middle Channel

1RB0

1RBmax



Full RB



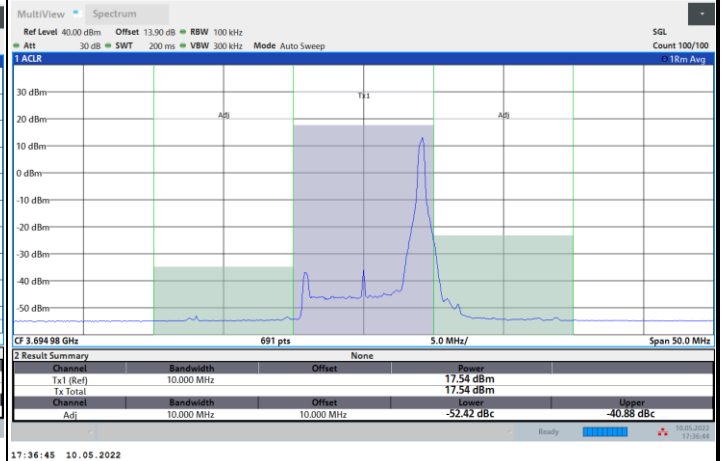
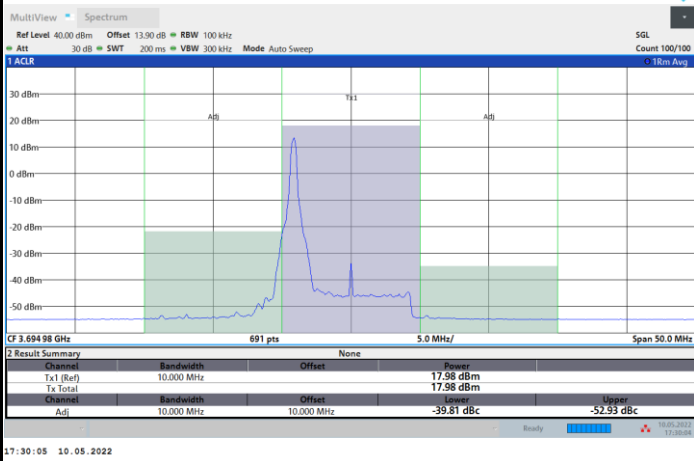


FR1 n48 / 10MHz / CP OFDM / 64QAM

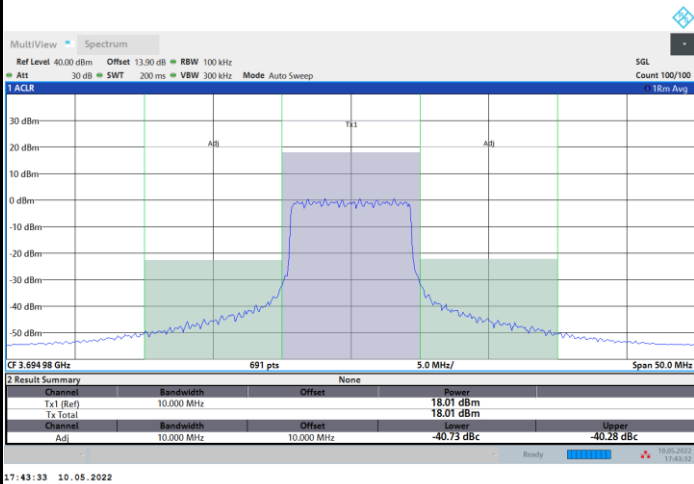
Highest Channel

1RB0

1RBmax



Full RB



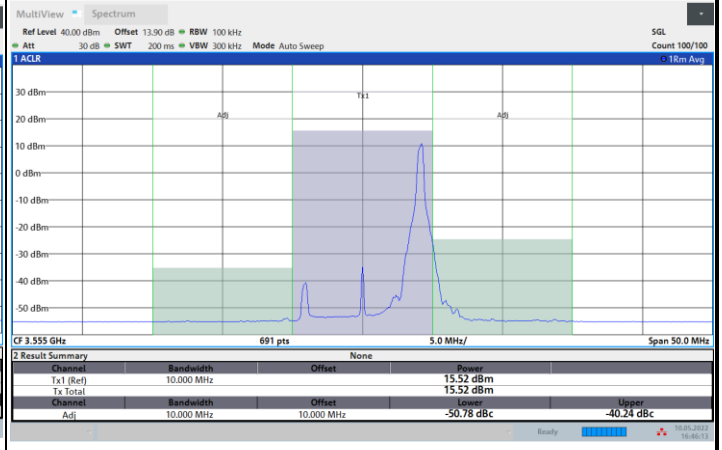
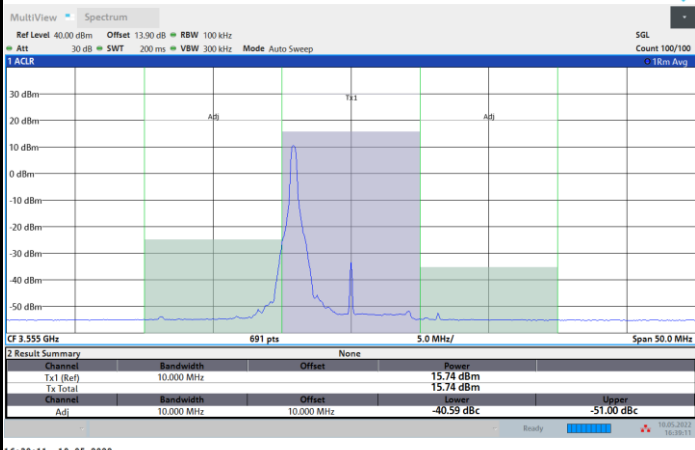


FR1 n48 / 10MHz / CP OFDM / 256QAM

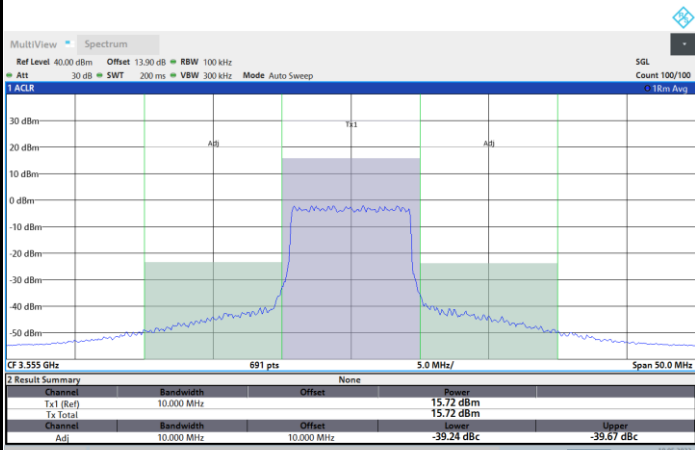
Lowest Channel

1RB0

1RBmax



Full RB



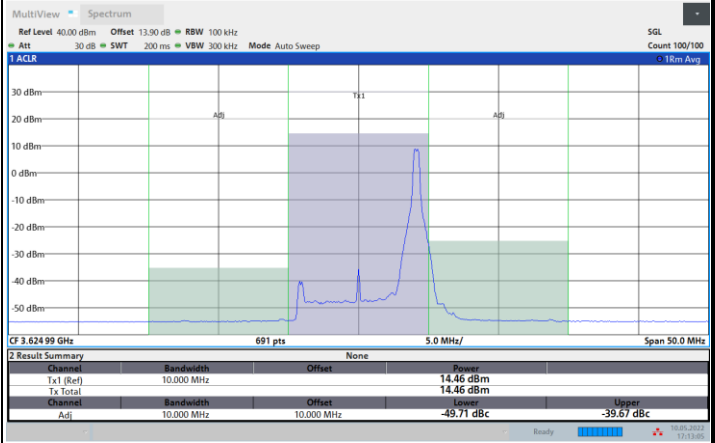
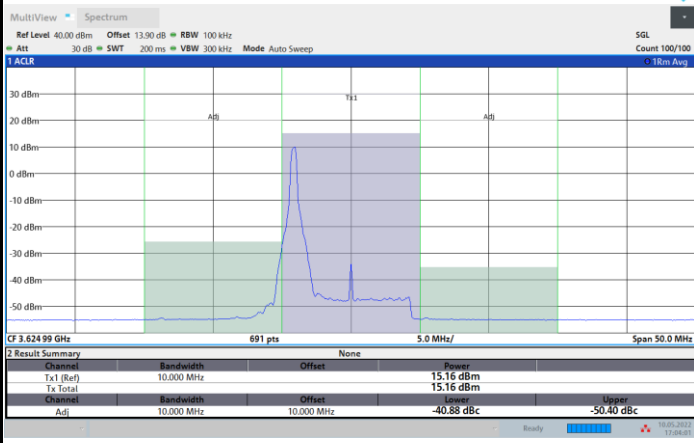


FR1 n48 / 10MHz / CP OFDM / 256QAM

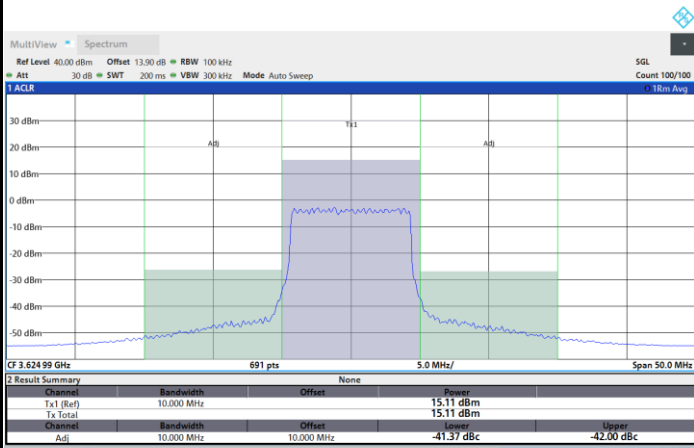
Middle Channel

1RB0

1RBmax



Full RB



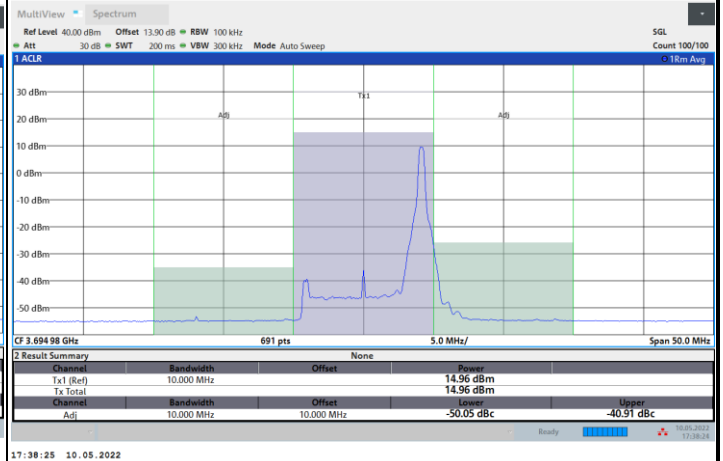
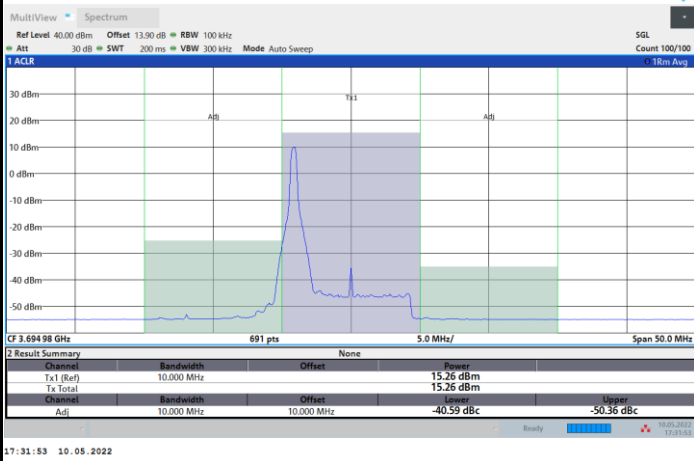


FR1 n48 / 10MHz / CP OFDM / 256QAM

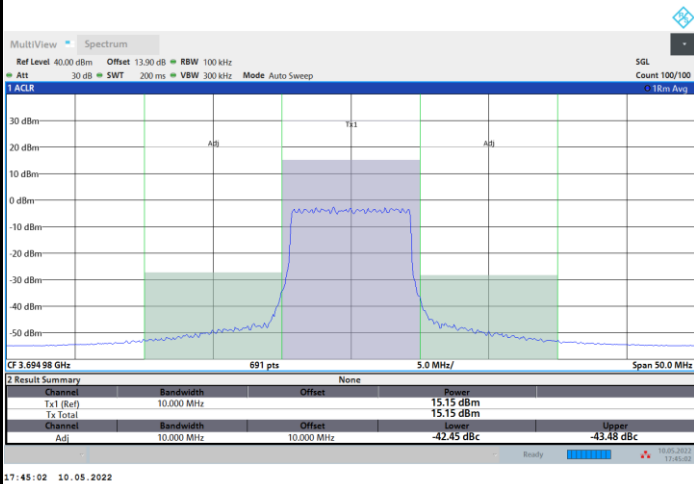
Highest Channel

1RB0

1RBmax



Full RB



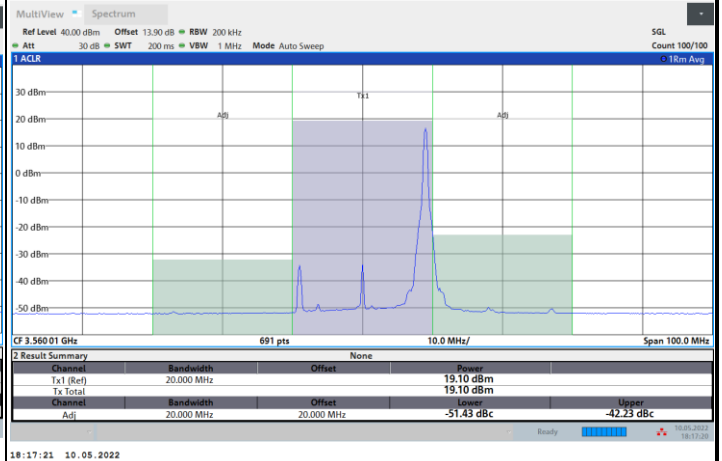
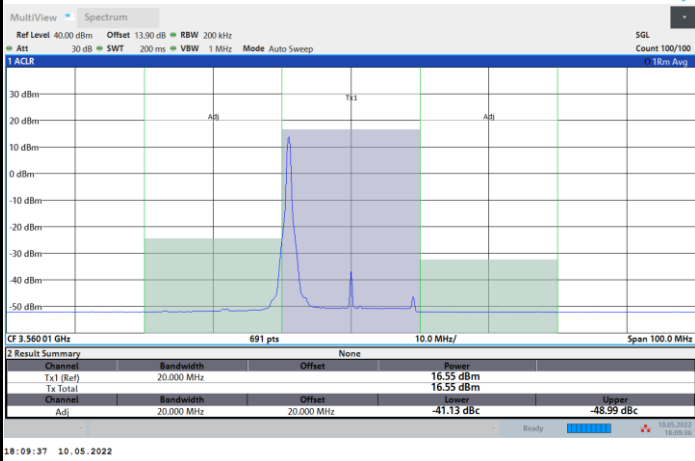


FR1 n48 / 20MHz / CP OFDM / QPSK

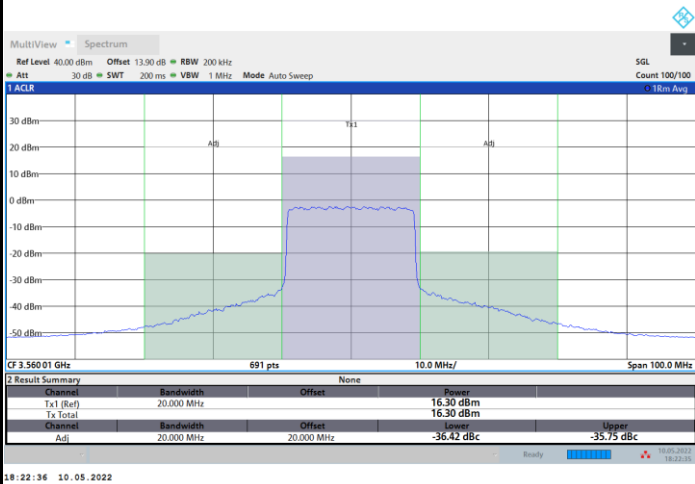
Lowest Channel

1RB0

1RBmax



Full RB



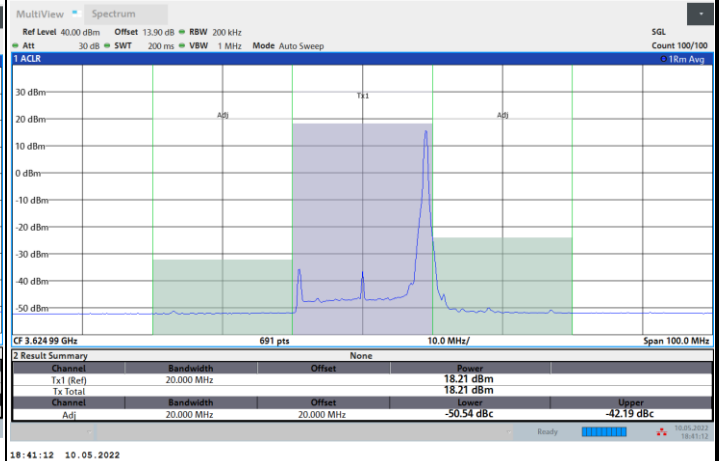
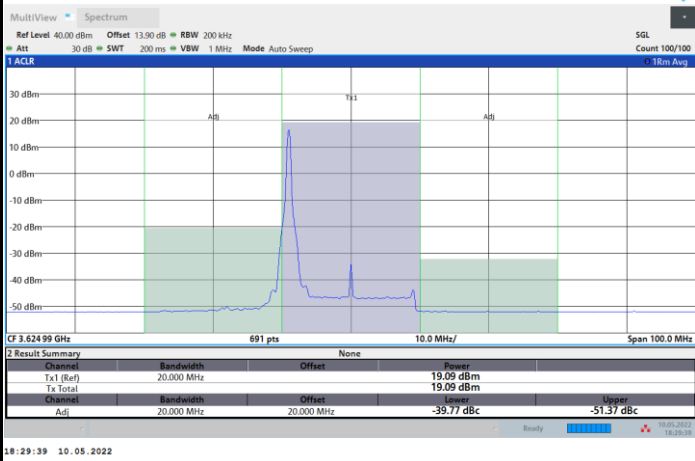


FR1 n48 / 20MHz / CP OFDM / QPSK

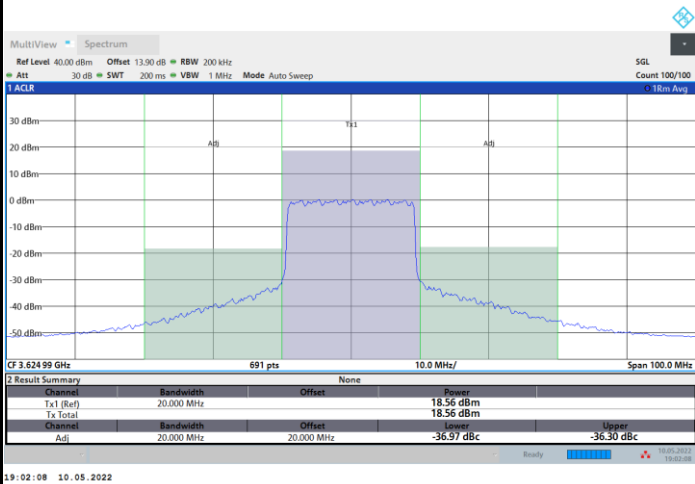
Middle Channel

1RB0

1RBmax



Full RB



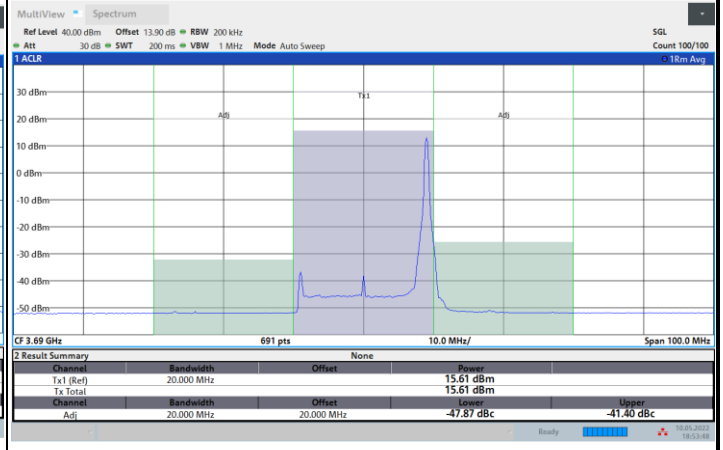
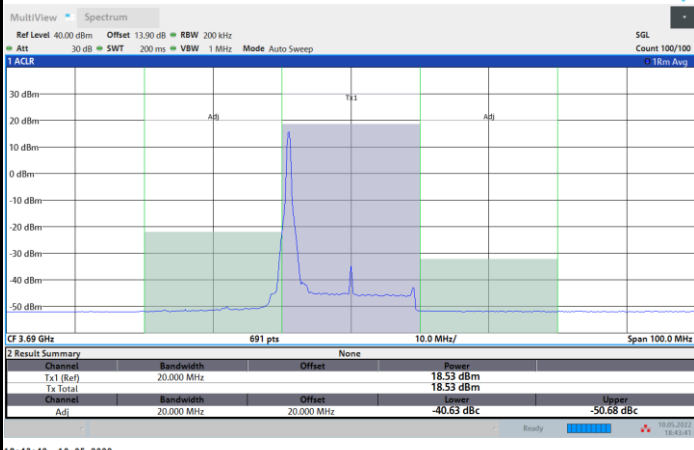


FR1 n48 / 20MHz / CP OFDM / QPSK

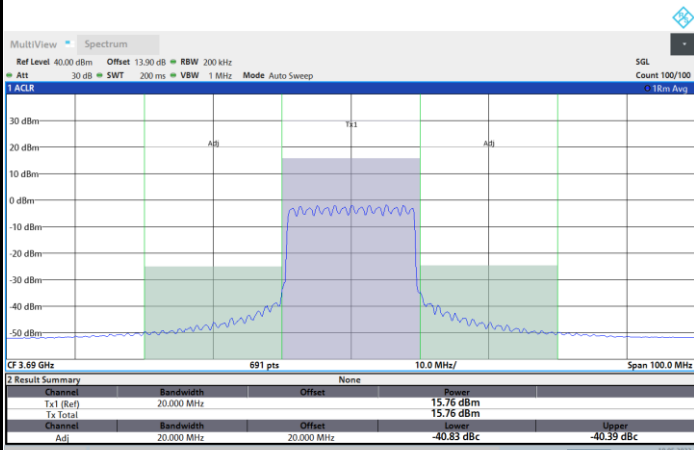
Highest Channel

1RB0

1RBmax



Full RB



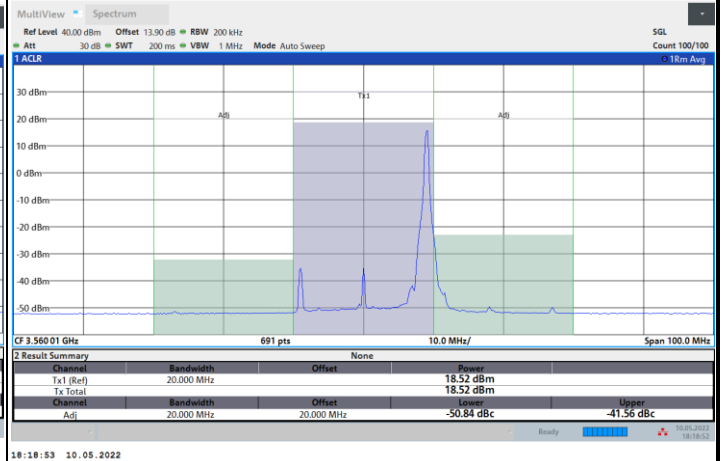
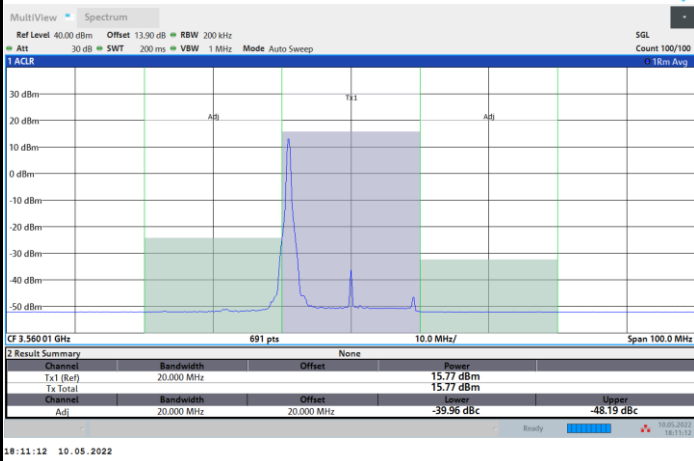


FR1 n48 / 20MHz / CP OFDM / 16QAM

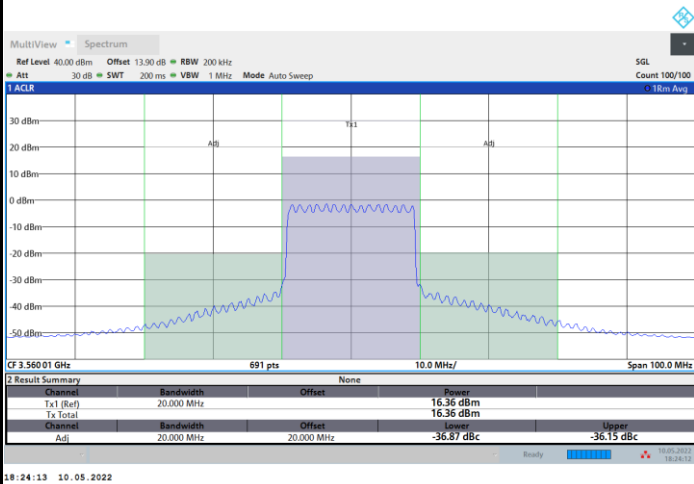
Lowest Channel

1RB0

1RBmax



Full RB



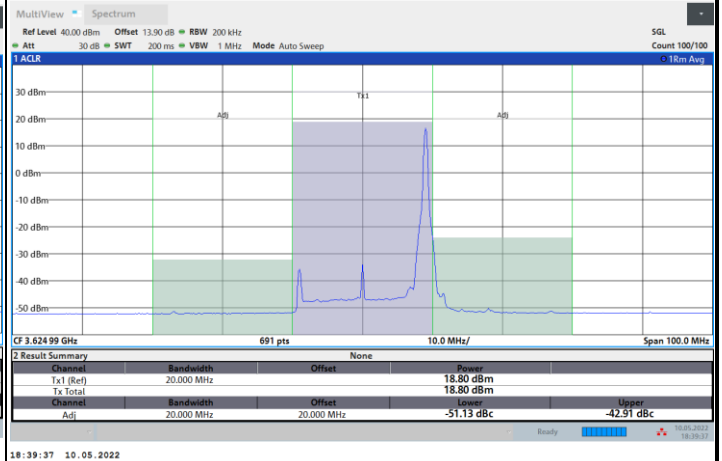
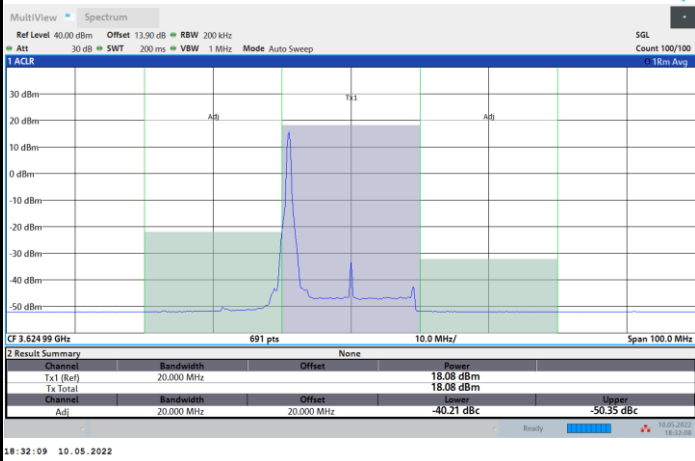


FR1 n48 / 20MHz / CP OFDM / 16QAM

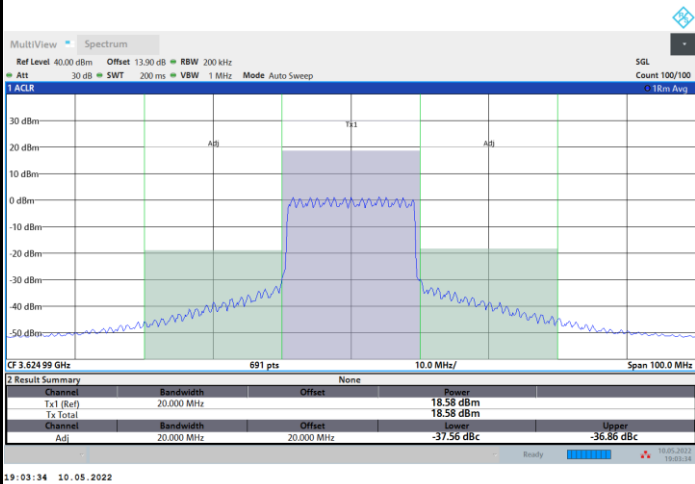
Middle Channel

1RB0

1RBmax



Full RB



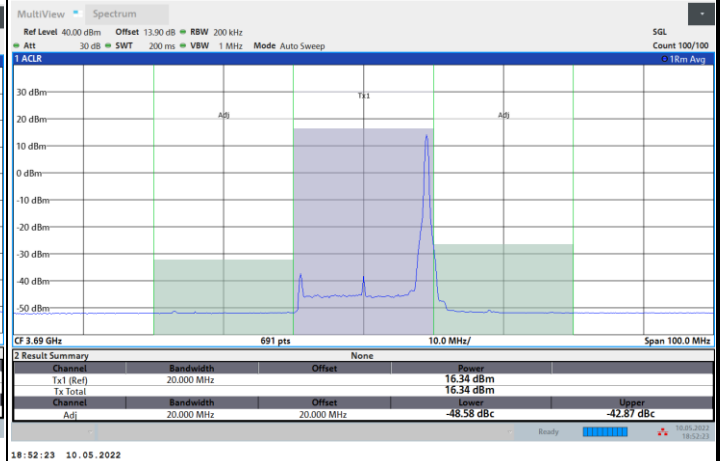
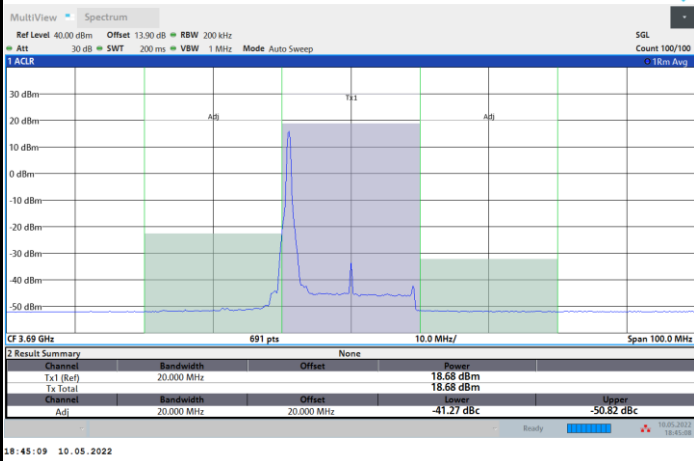


FR1 n48 / 20MHz / CP OFDM / 16QAM

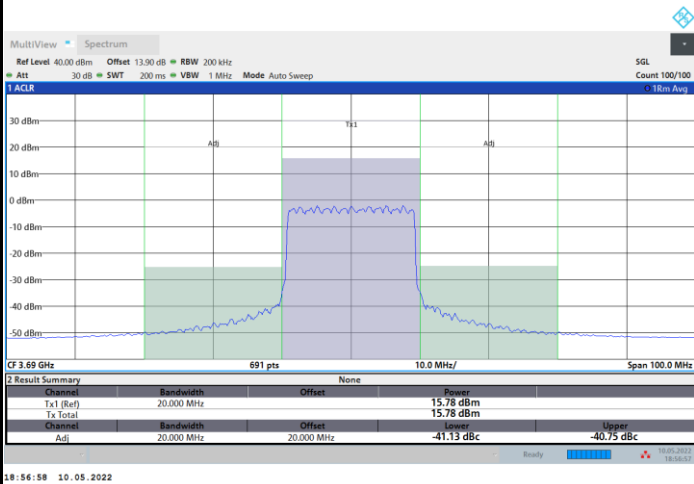
Highest Channel

1RB0

1RBmax



Full RB



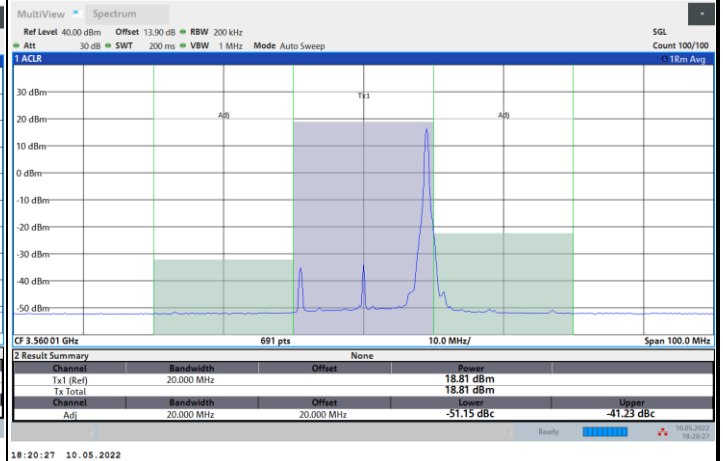
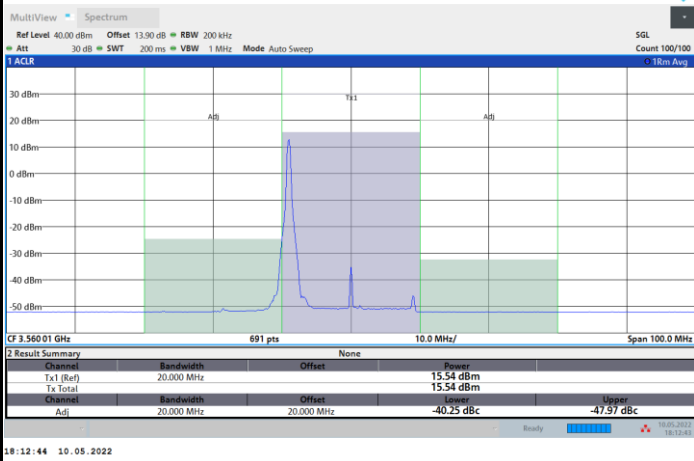


FR1 n48 / 20MHz / CP OFDM / 64QAM

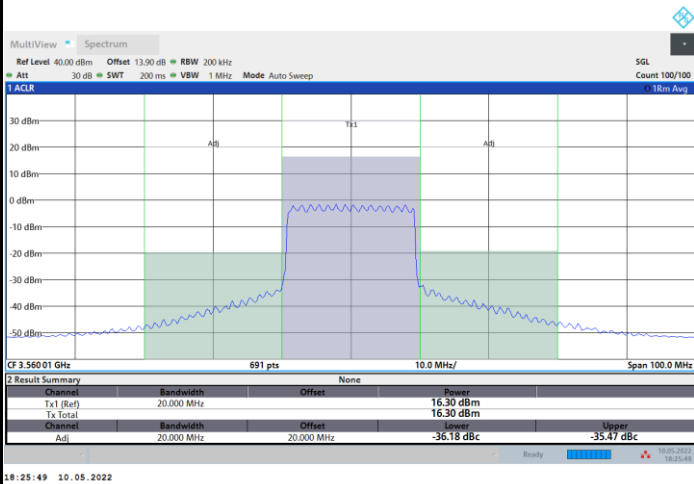
Lowest Channel

1RB0

1RBmax



Full RB



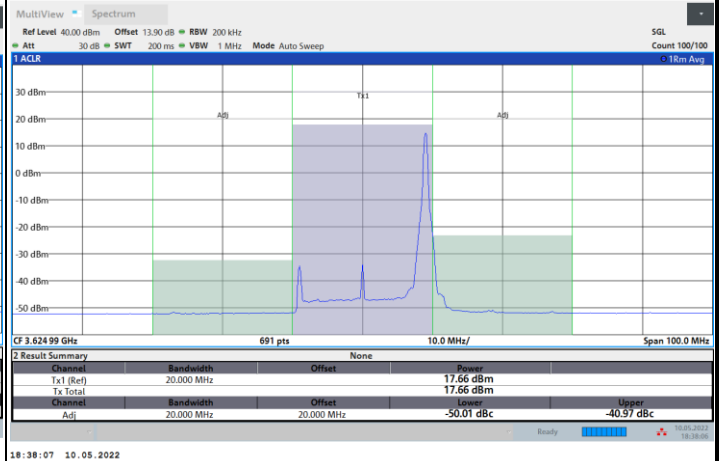
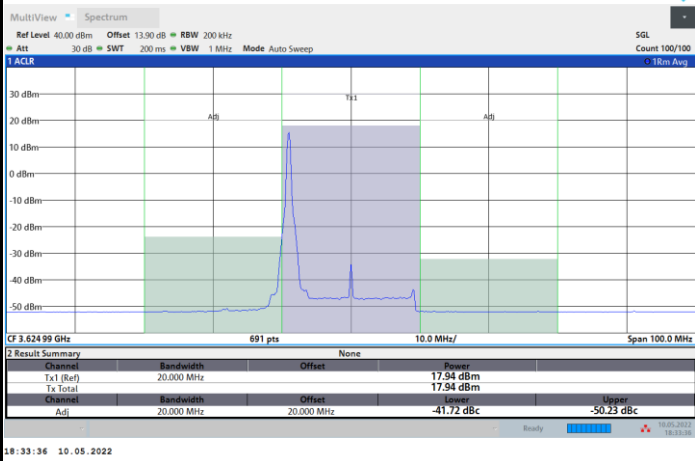


FR1 n48 / 20MHz / CP OFDM / 64QAM

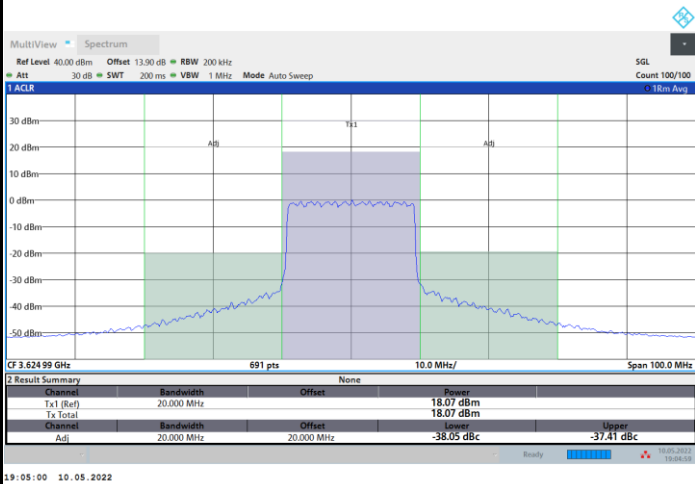
Middle Channel

1RB0

1RBmax



Full RB



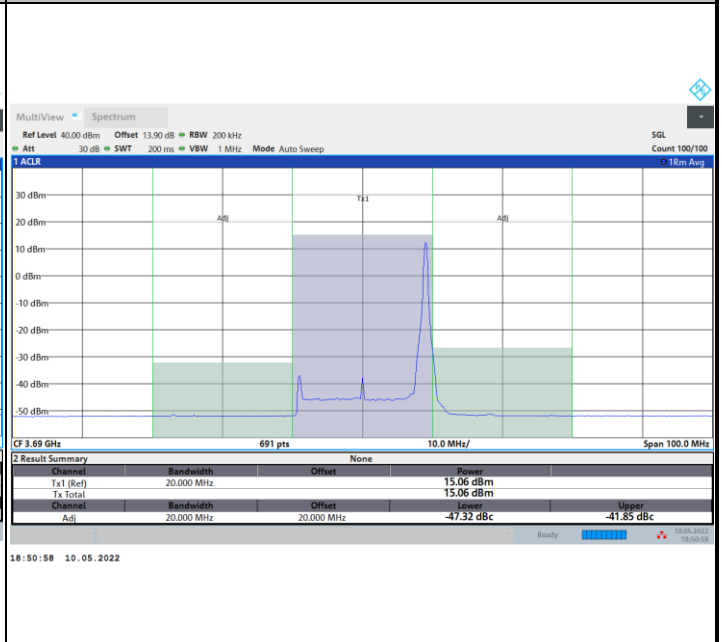
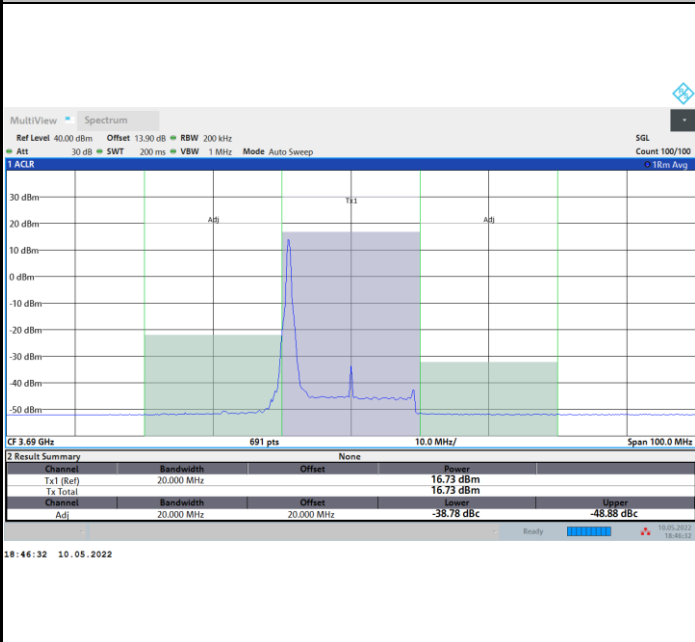


FR1 n48 / 20MHz / CP OFDM / 64QAM

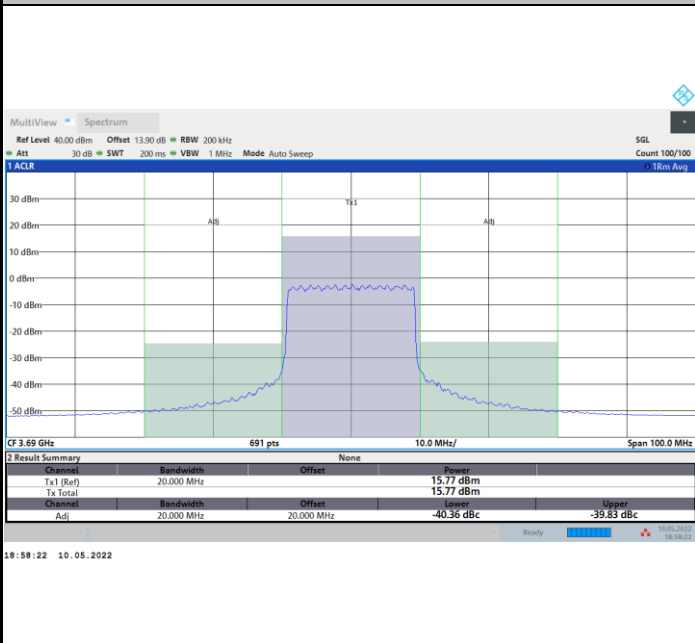
Highest Channel

1RB0

1RBmax



Full RB



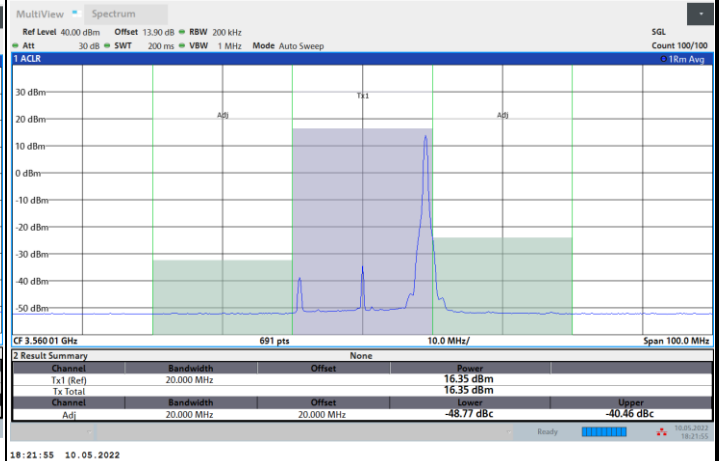
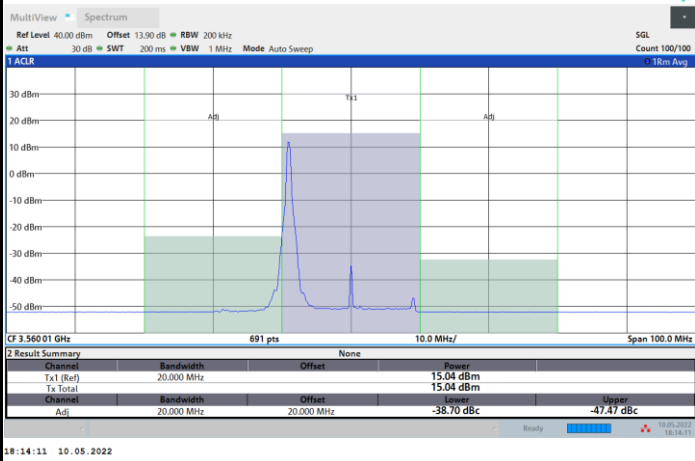


FR1 n48 / 20MHz / CP OFDM / 256QAM

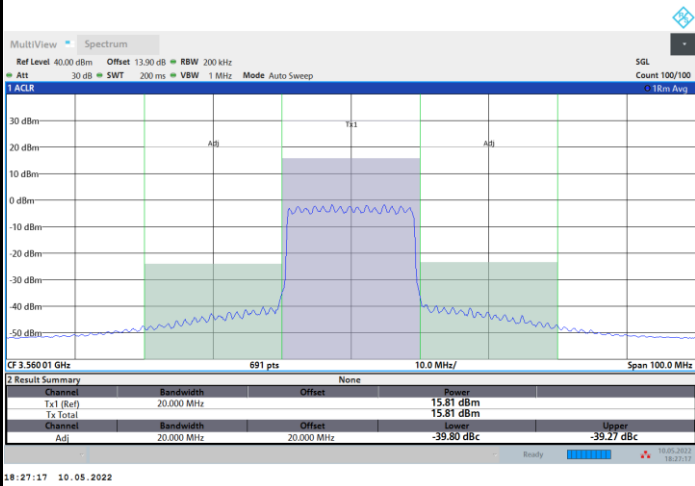
Lowest Channel

1RB0

1RBmax



Full RB

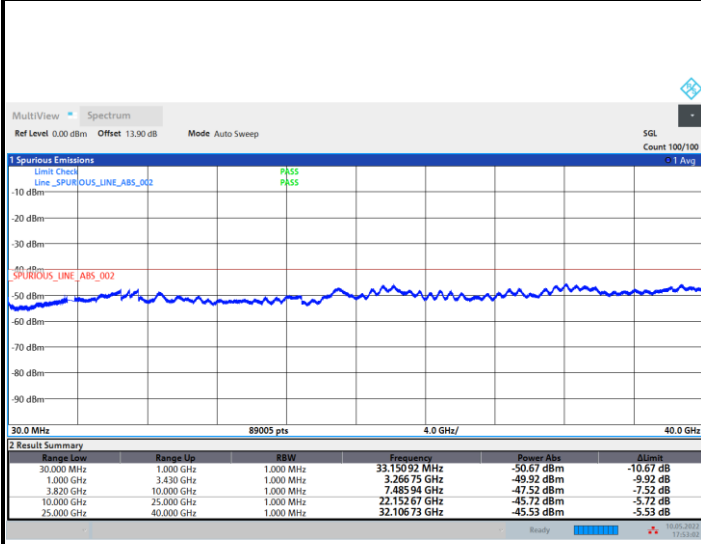




Conducted Spurious Emission

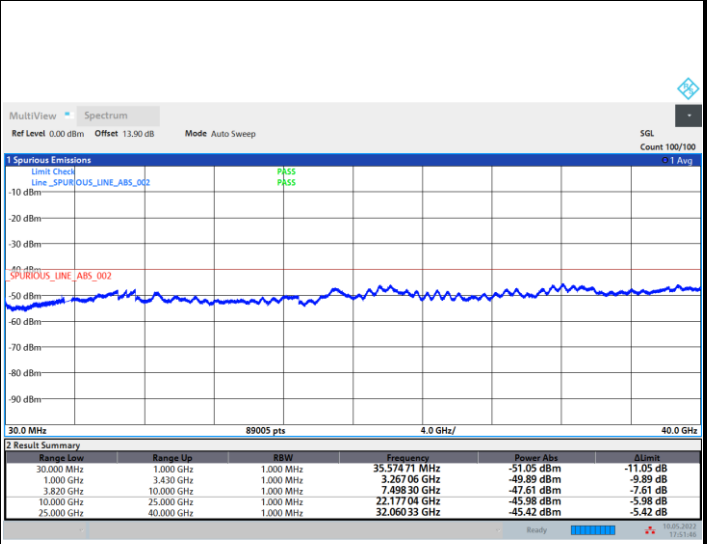
FR1 n48 / 10MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



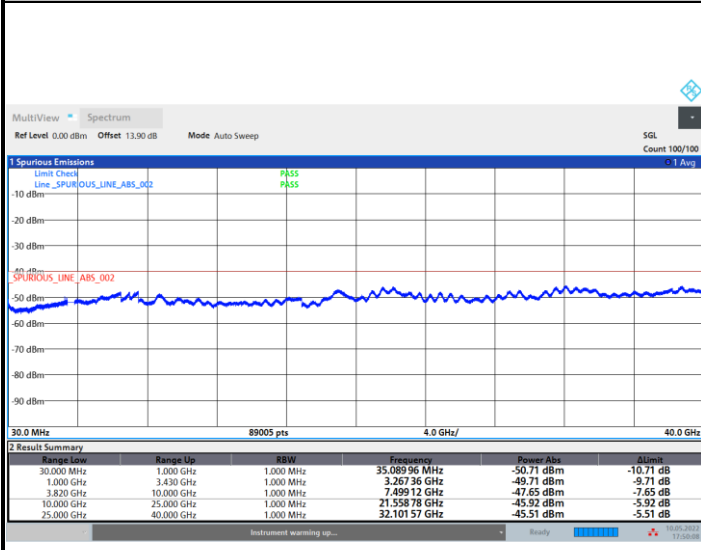
17:53:03 10.05.2022

Middle Channel



17:51:47 10.05.2022

Highest Channel



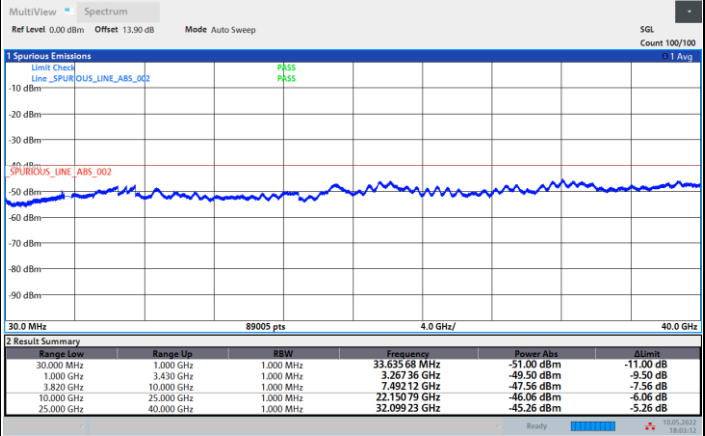
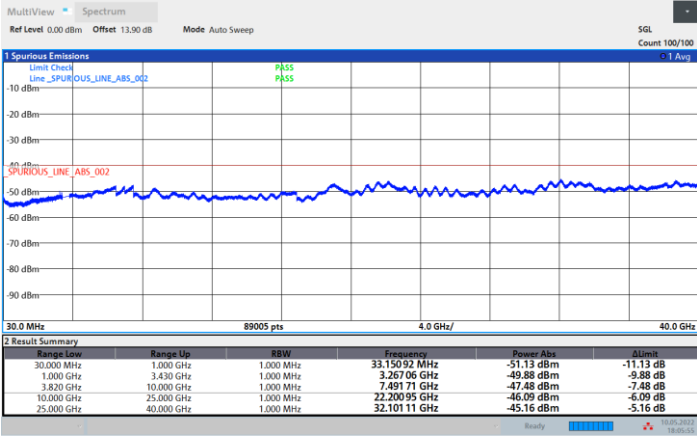
17:50:09 10.05.2022



FR1 n48 / 20MHz / CP OFDM / QPSK / 1RB1

Lowest Channel

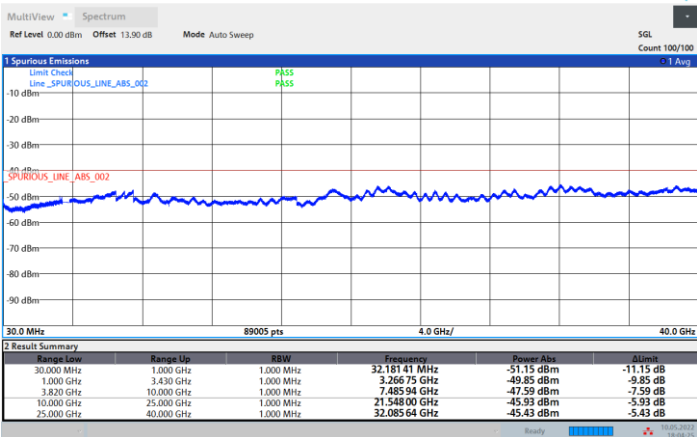
Middle Channel



18:05:55 10.05.2022

18:03:13 10.05.2022

Highest Channel



18:04:25 10.05.2022



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0039	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0046	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0050	
20	Battery End Point	0.0039	

Note:

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



<MIMO Ant. 2>

Peak-to-Average Ratio

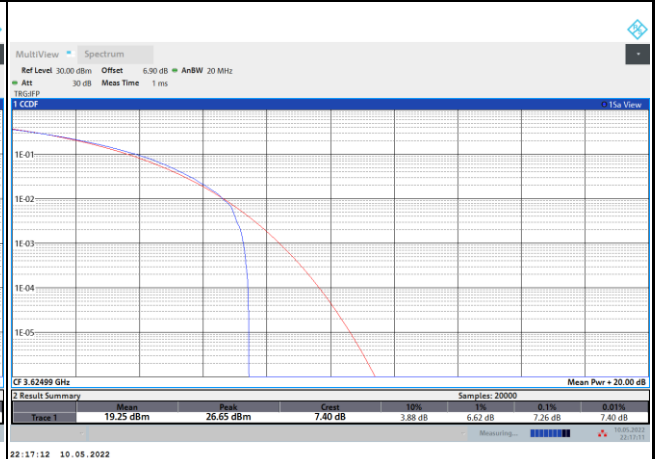
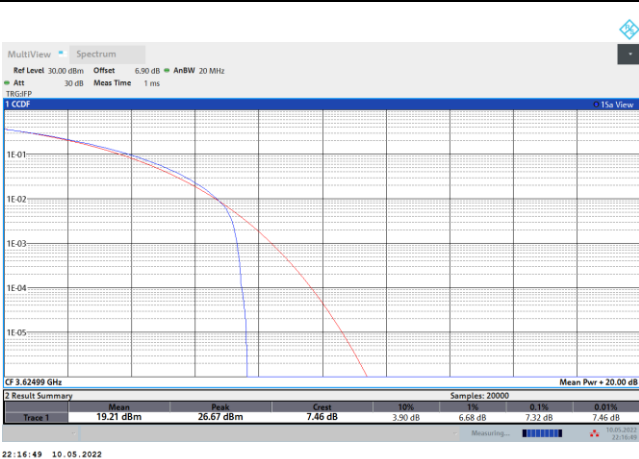
Mode	FR1 n48 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.32	7.26	7.66	8.68	PASS



FR1 n48 / 20MHz / CP OFDM / Middle Channel / Full RB

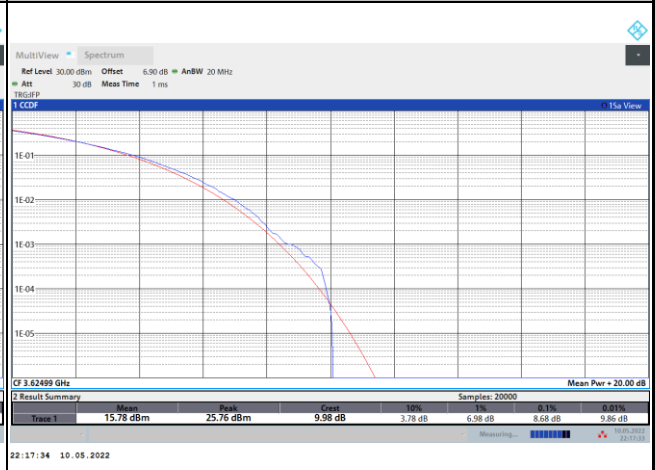
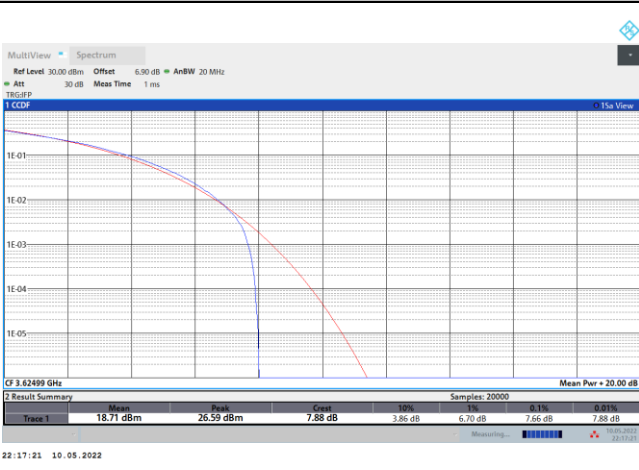
QPSK

16QAM



64QAM

256QAM





26dB Bandwidth

Mode	FR1 n48 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		20MHz		40MHz		50MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.39	9.45	19.34	19.34	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.17	9.05	19.14	19.26	-	-	-	-
BW	60MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	-	-	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	-	-	-	-