



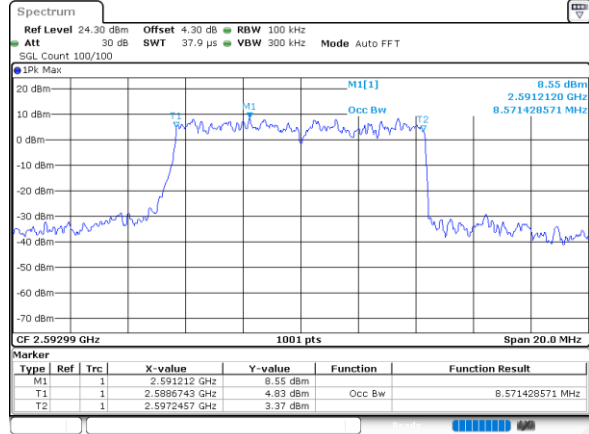
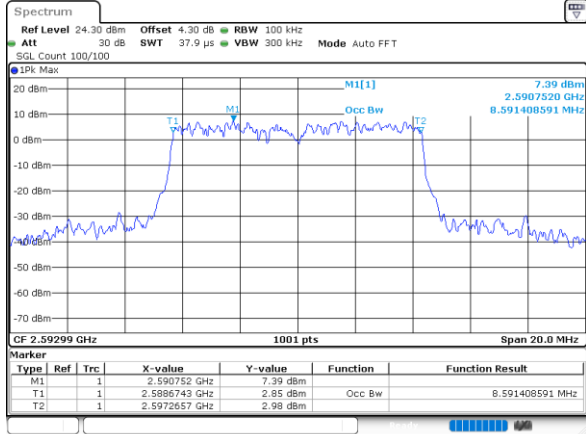
FR1 UL-MIMO n41 / 10MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 20:46:02

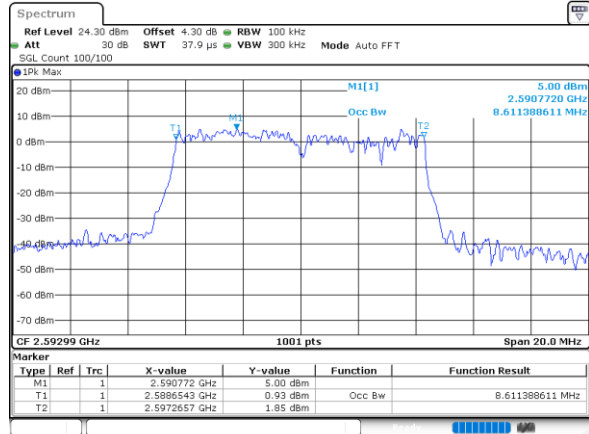
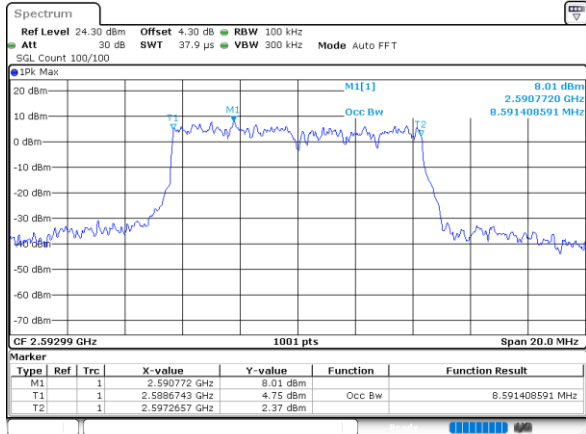
Date: 15_JAN_2021 20:46:26

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 20:47:00

Date: 15_JAN_2021 20:48:00



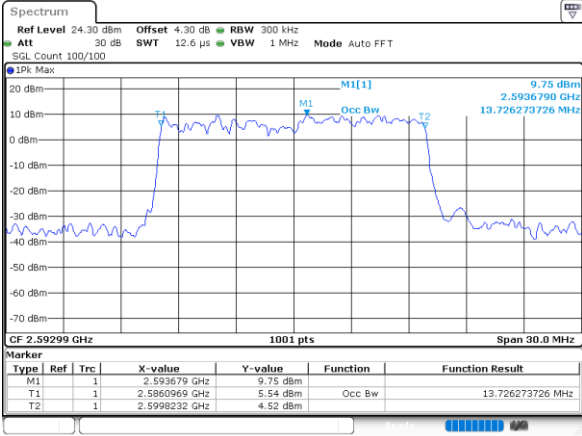
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M2)

QPSK

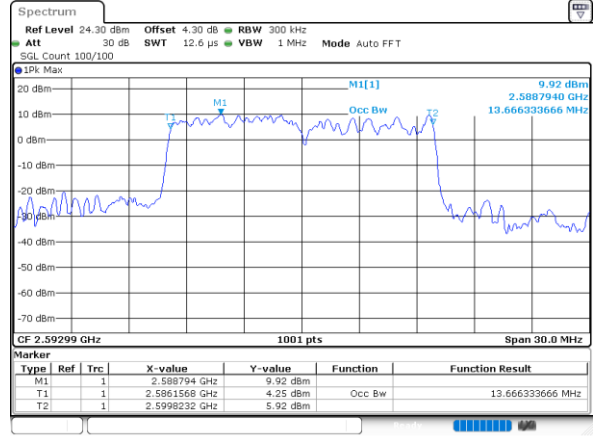
16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 22:136:134



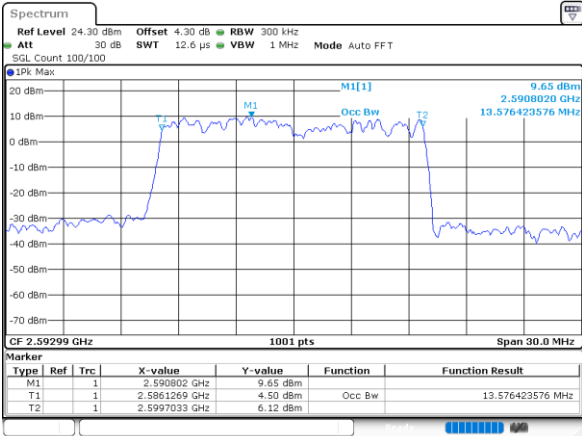
Date: 15_JAN_2021 22:138:122

64QAM

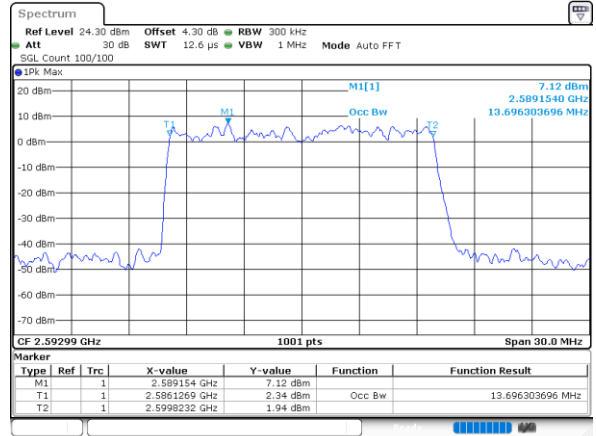
256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 22:138:59



Date: 15_JAN_2021 22:139:128



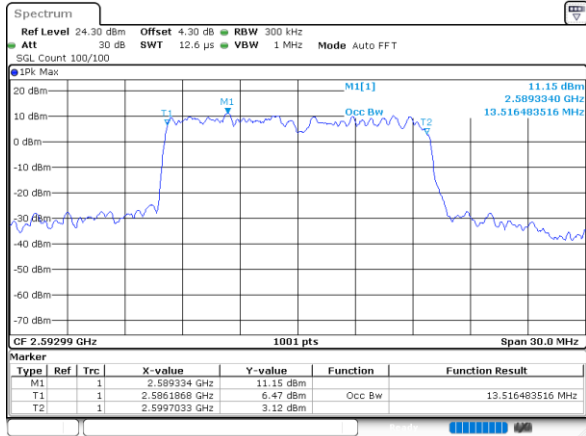
FR1 UL-MIMO n41 / 15MHz / CP-OFDM (M)

QPSK

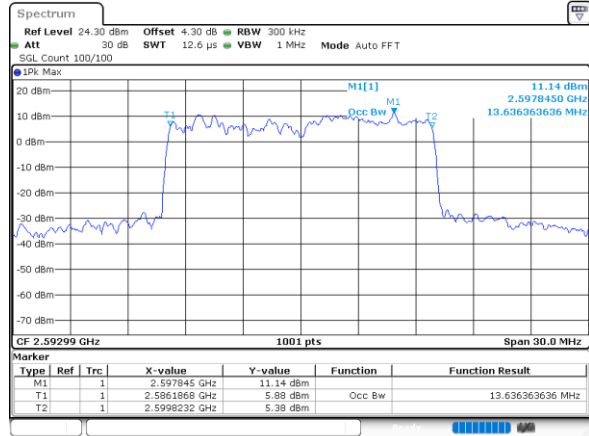
16QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 20:20:58



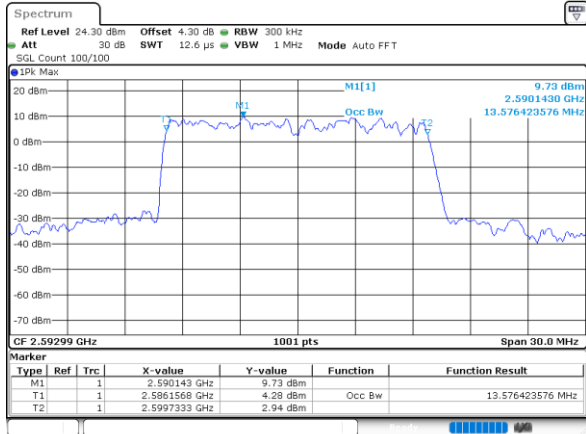
Date: 15.JAN.2021 20:19:20

64QAM

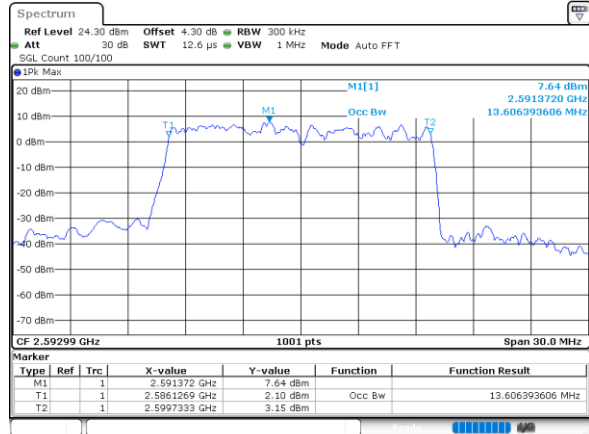
256QAM

Middle Channel

Middle Channel



Date: 15.JAN.2021 20:19:51



Date: 15.JAN.2021 20:20:28



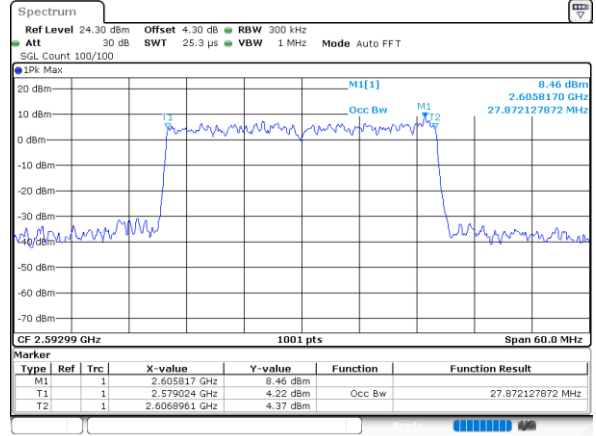
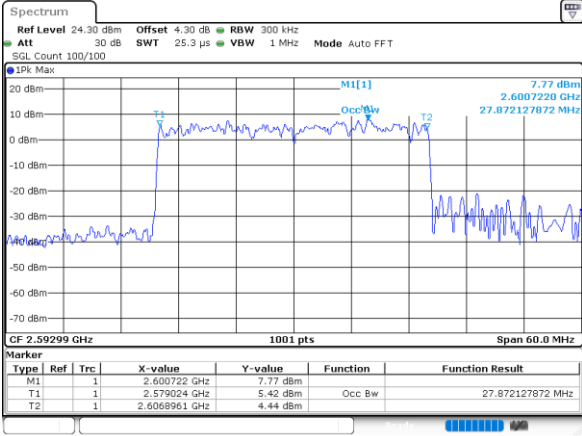
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 22:44:39

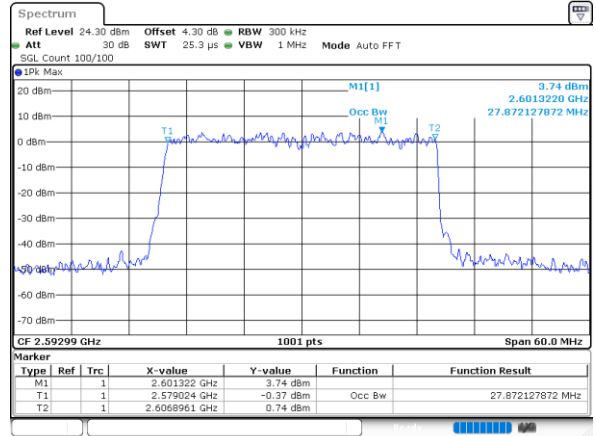
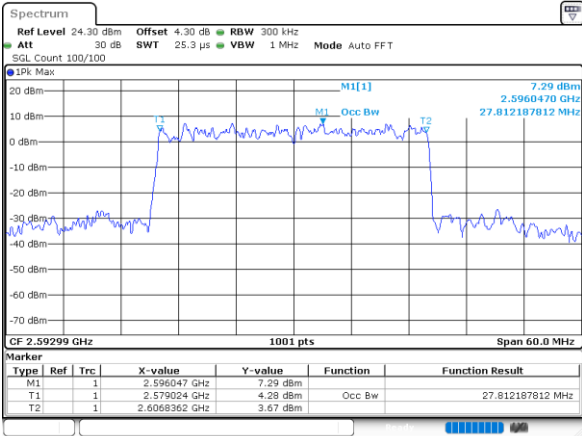
Date: 15_JAN_2021 22:46:03

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 22:42:50

Date: 15_JAN_2021 22:41:58



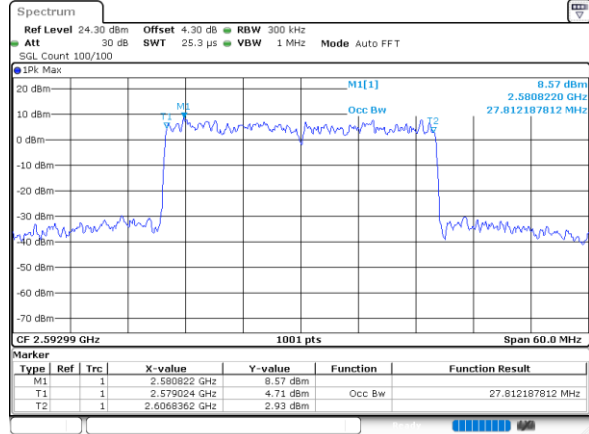
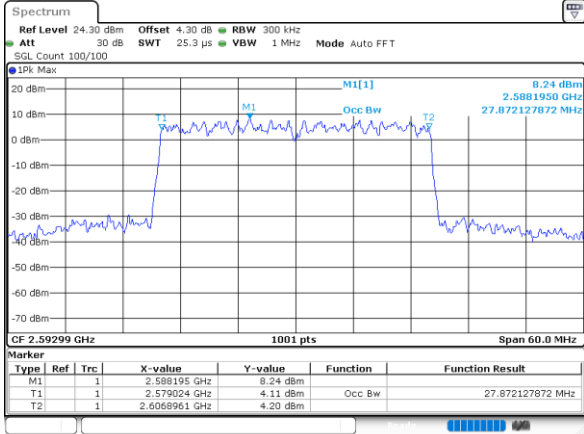
FR1 UL-MIMO n41 / 30MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 20:06:09

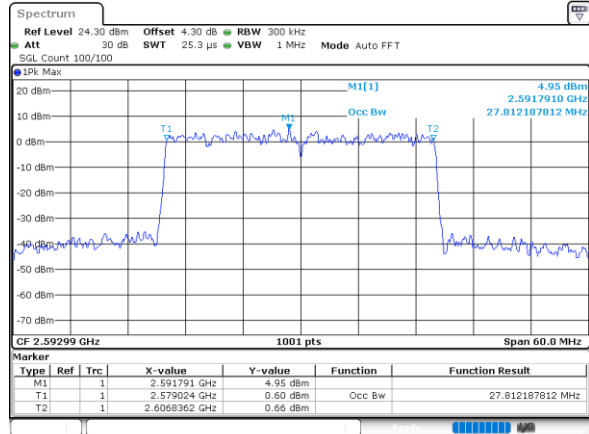
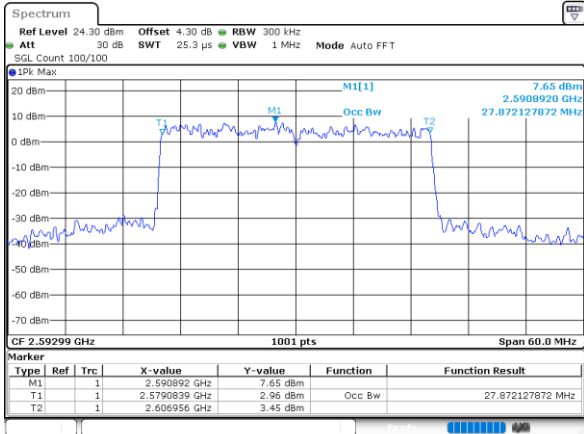
Date: 15_JAN_2021 20:06:49

64QAM

256QAM

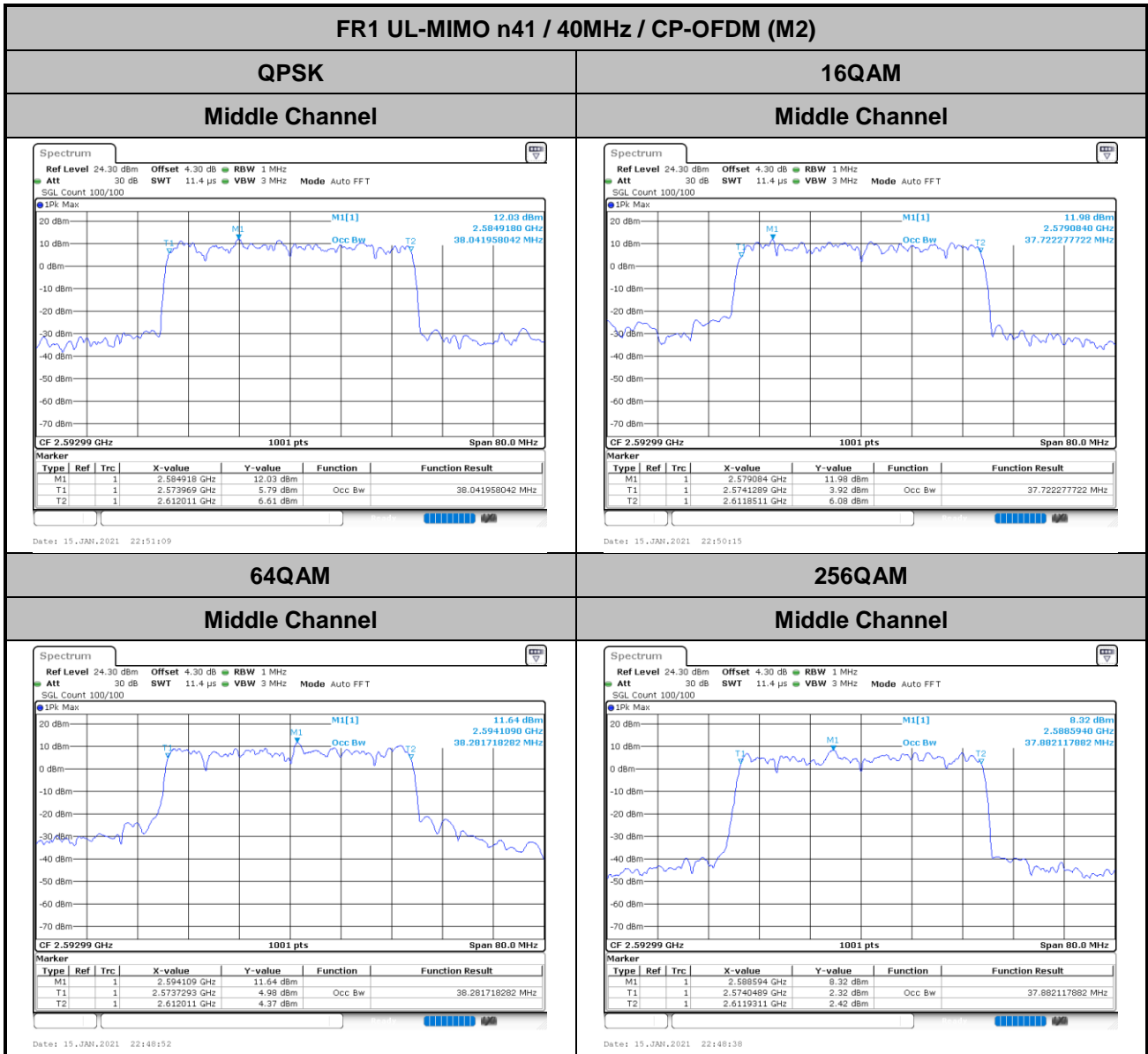
Middle Channel

Middle Channel



Date: 15_JAN_2021 20:07:36

Date: 15_JAN_2021 20:08:18





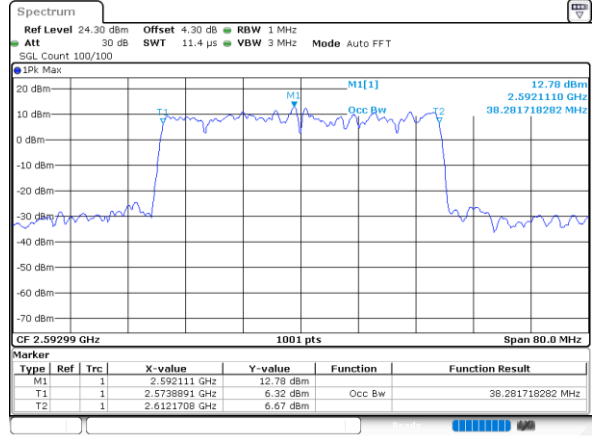
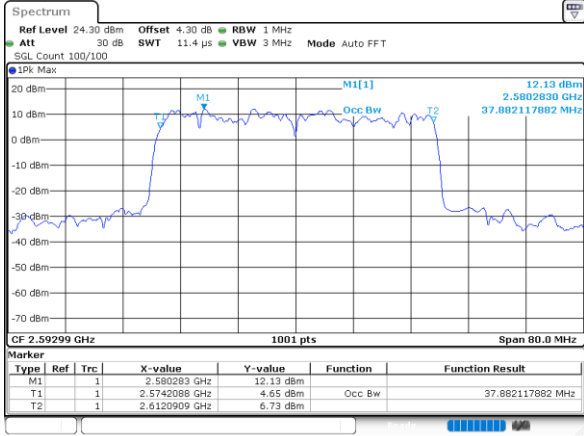
FR1 UL-MIMO n41 / 40MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15 JAN 2021 19:27:02

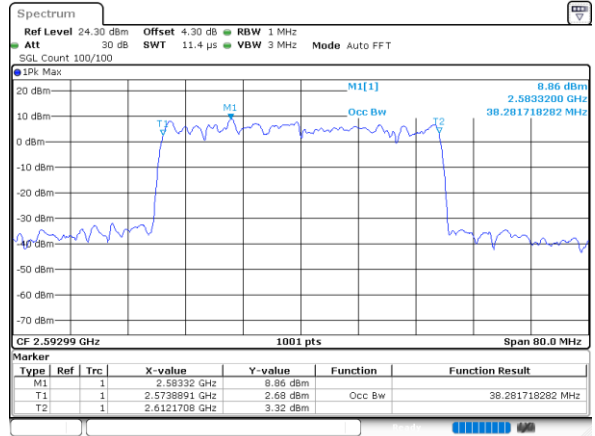
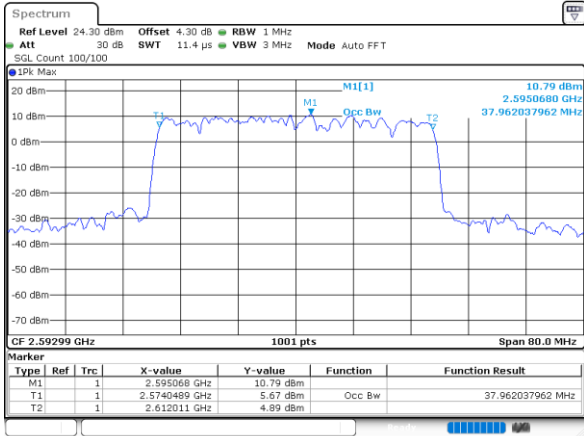
Date: 15 JAN 2021 19:26:26

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15 JAN 2021 19:25:53

Date: 15 JAN 2021 19:25:07



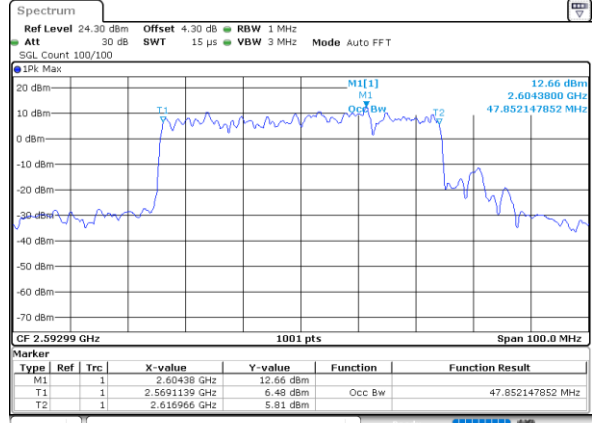
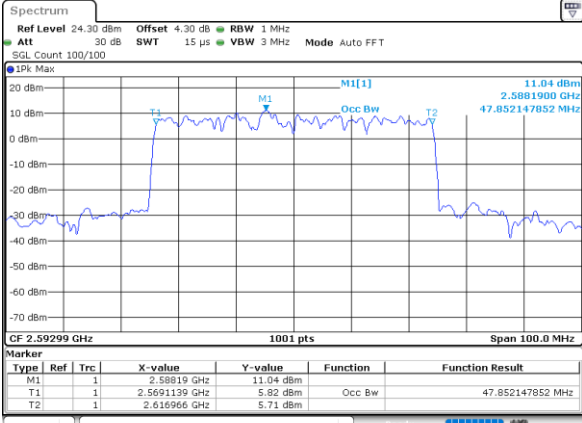
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 16_JAN_2021 00:17:15

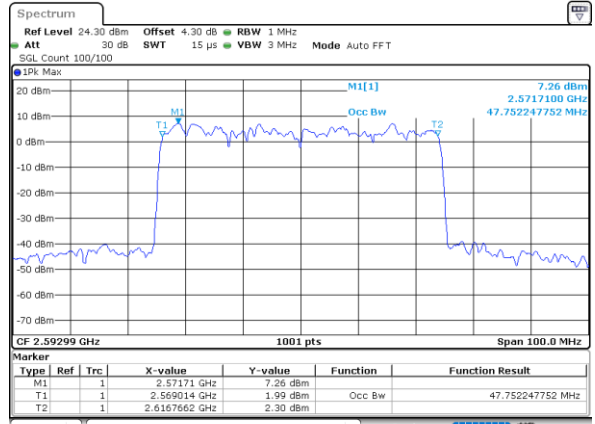
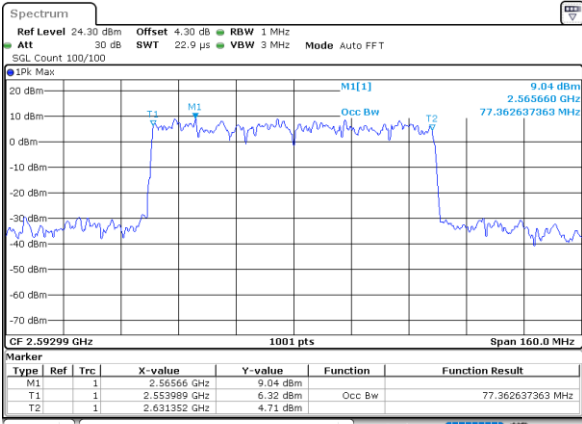
Date: 16_JAN_2021 00:17:46

64QAM

256QAM

Middle Channel

Middle Channel



Date: 16_JAN_2021 00:20:42

Date: 16_JAN_2021 00:18:09



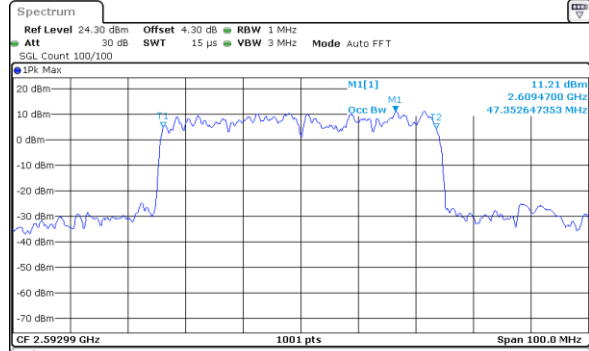
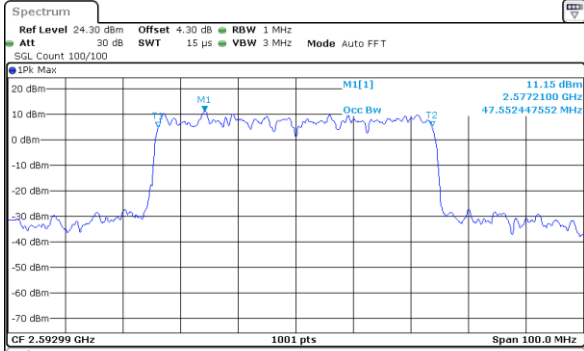
FR1 UL-MIMO n41 / 50MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 19:23:07

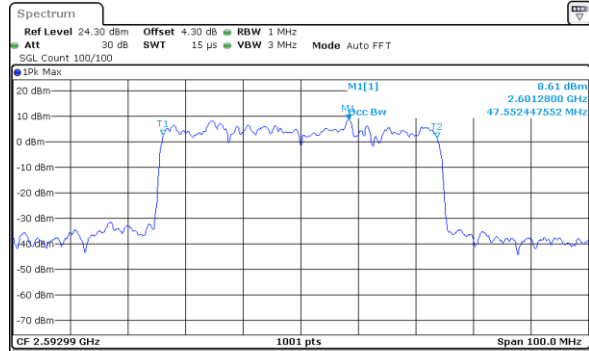
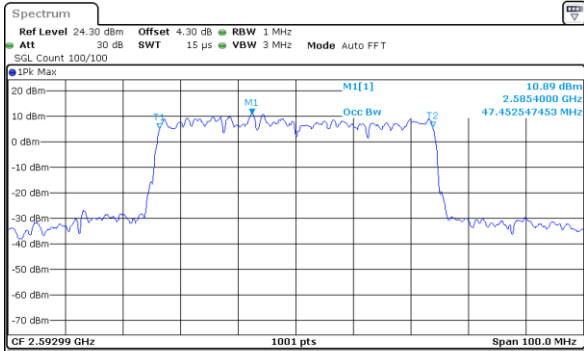
Date: 15_JAN_2021 19:23:28

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 19:23:55

Date: 15_JAN_2021 19:24:14



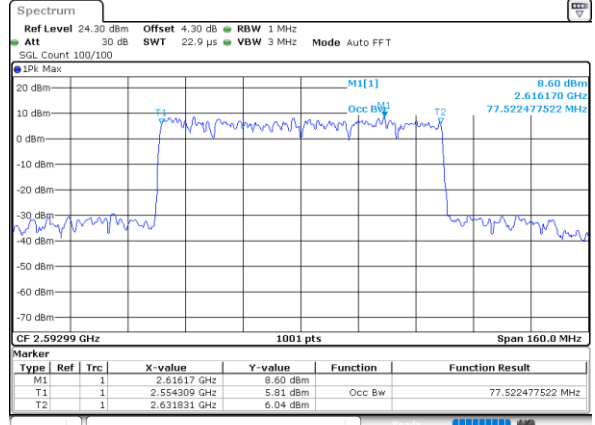
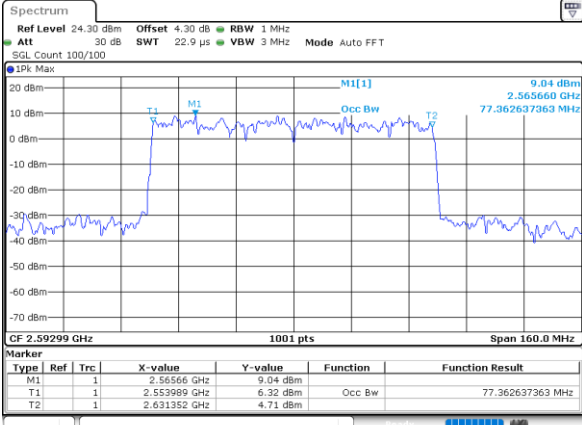
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M2)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 16_JAN_2021 00:12:42

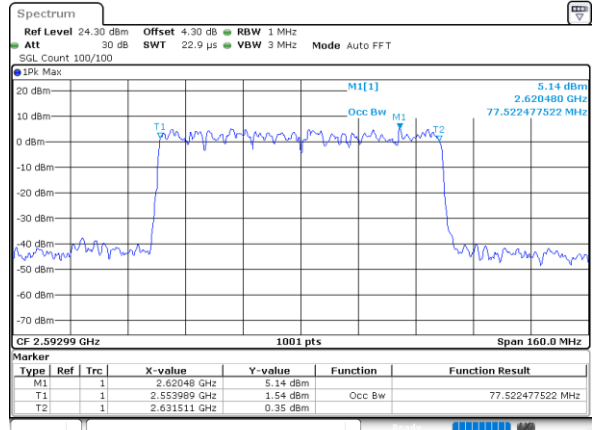
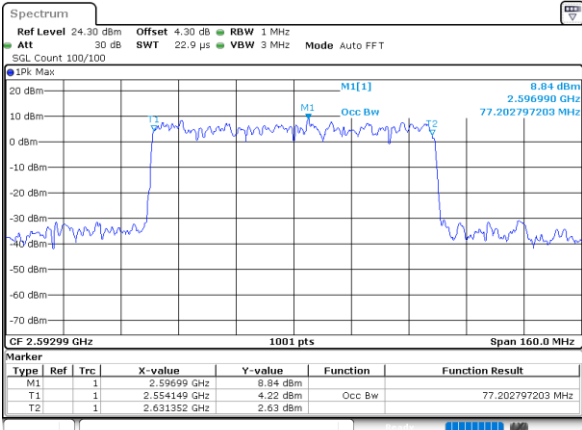
Date: 16_JAN_2021 00:12:10

64QAM

256QAM

Middle Channel

Middle Channel



Date: 16_JAN_2021 00:19:28

Date: 16_JAN_2021 00:19:09



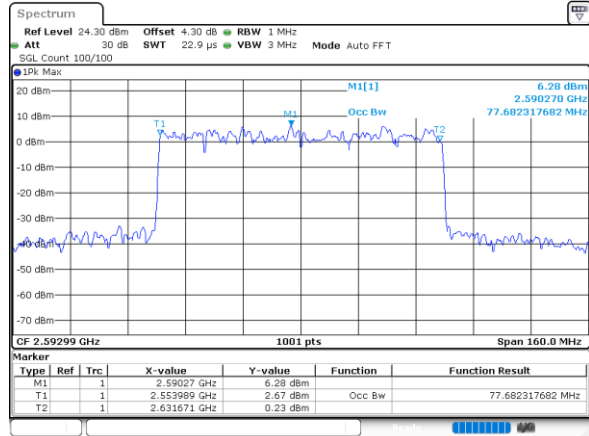
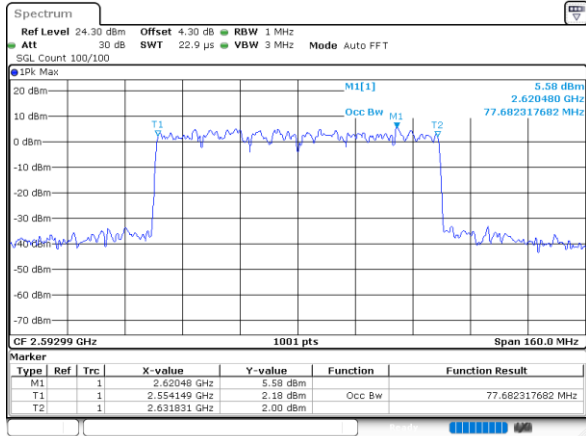
FR1 UL-MIMO n41 / 80MHz / CP-OFDM (M)

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15_JAN_2021 07:30:38

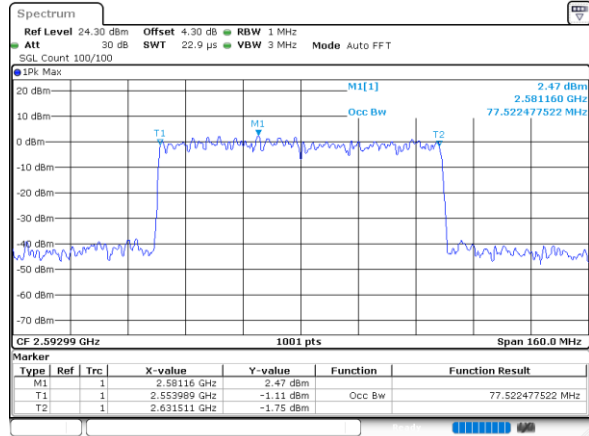
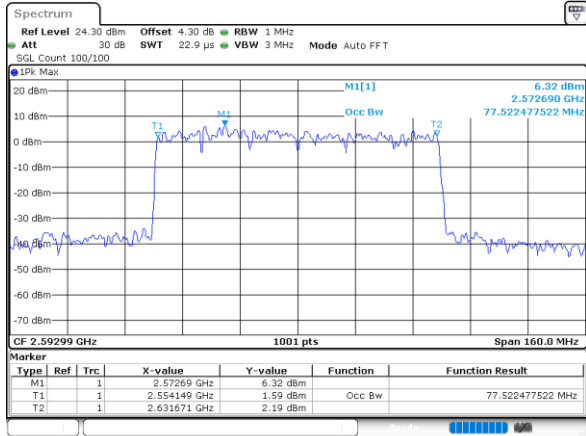
Date: 15_JAN_2021 07:30:59

64QAM

256QAM

Middle Channel

Middle Channel

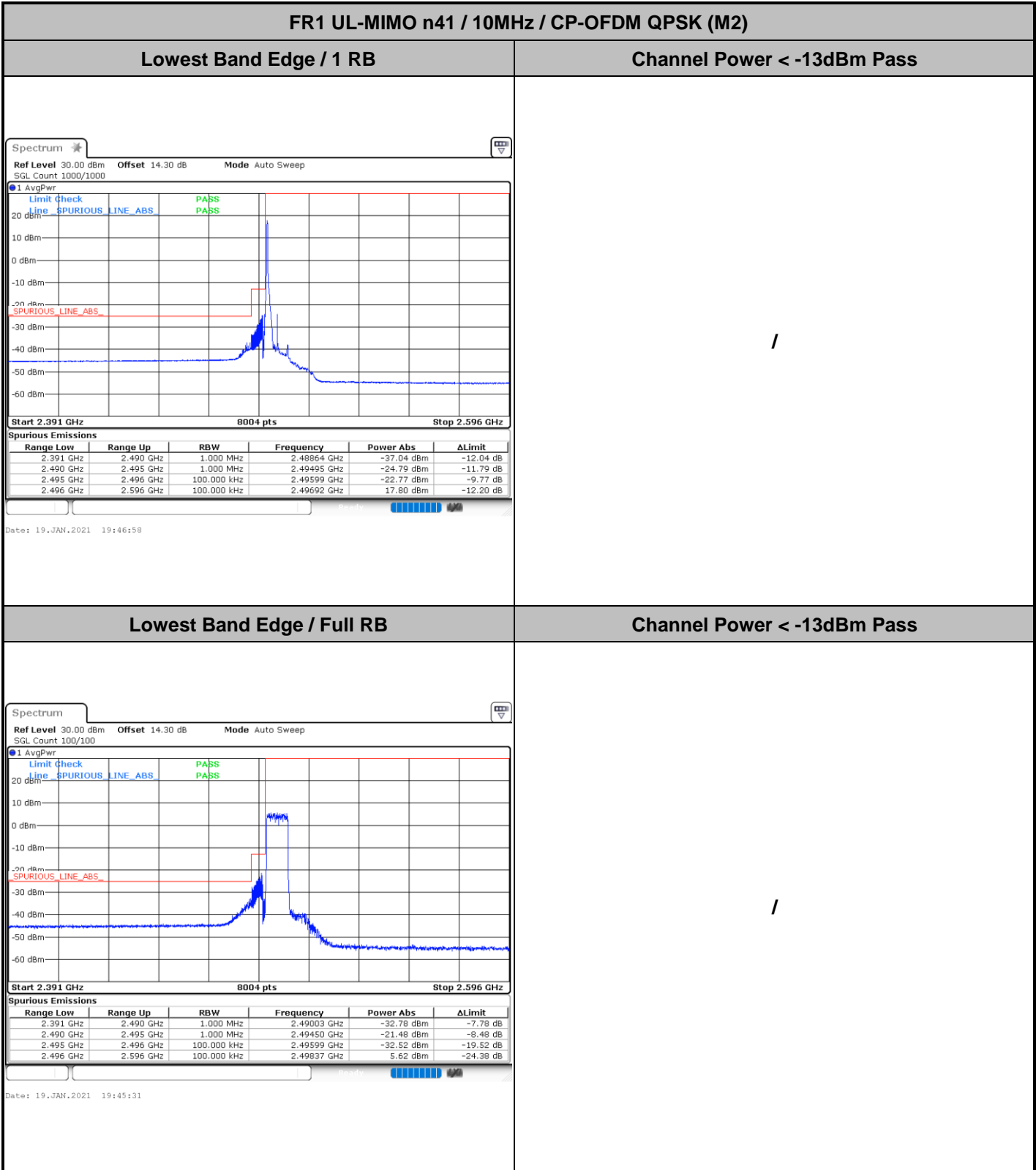


Date: 15_JAN_2021 07:31:09

Date: 15_JAN_2021 07:31:27



Conducted Band Edge

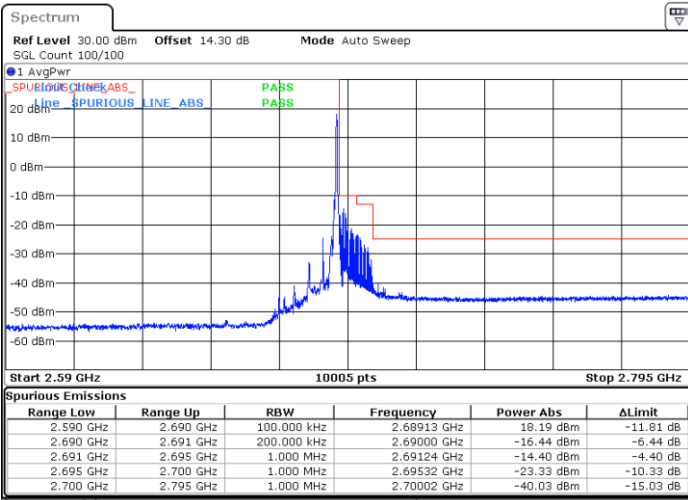




FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

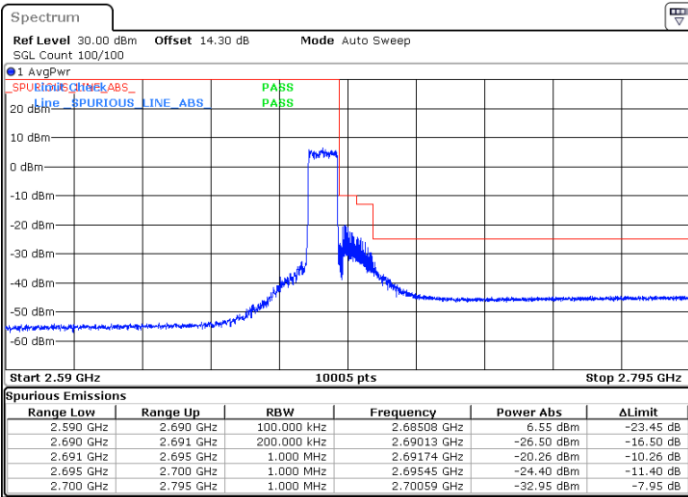
Channel Power < -10dBm Pass



Date: 19. JAN. 2021 19:36:57

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



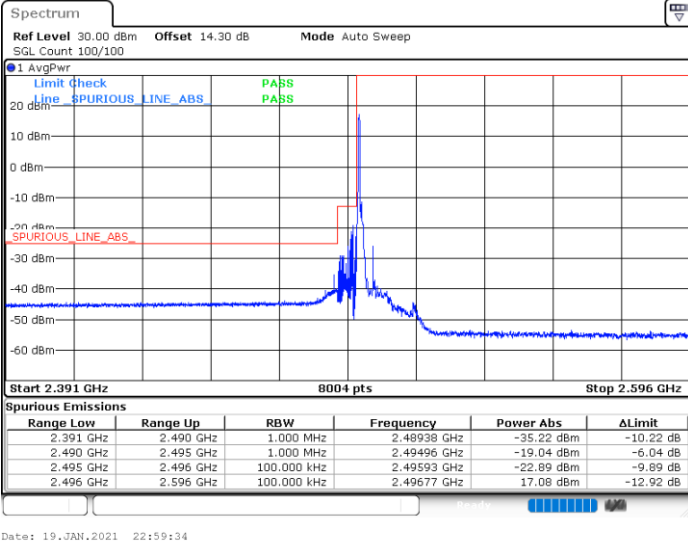
Date: 19. JAN. 2021 19:37:24



FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

Lowest Band Edge / 1 RB

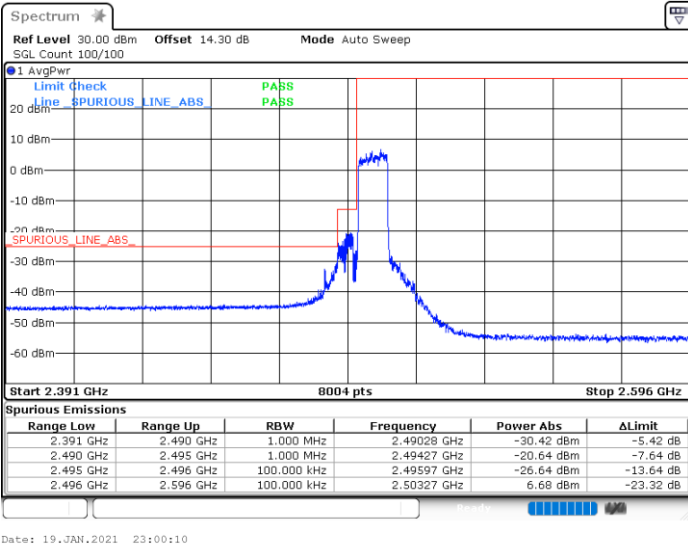
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



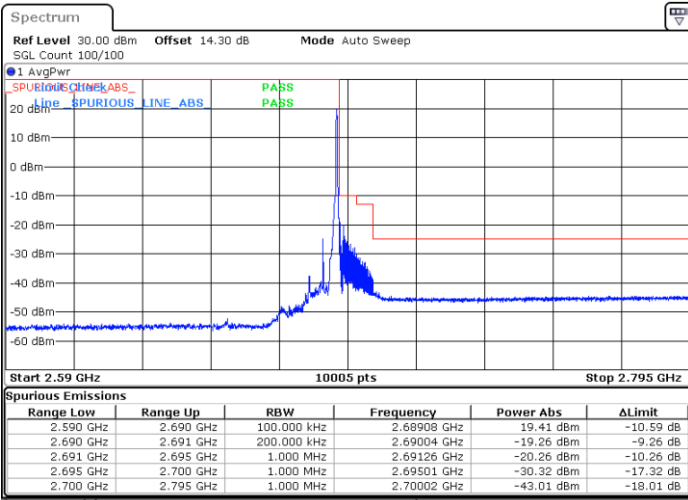
/



FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB

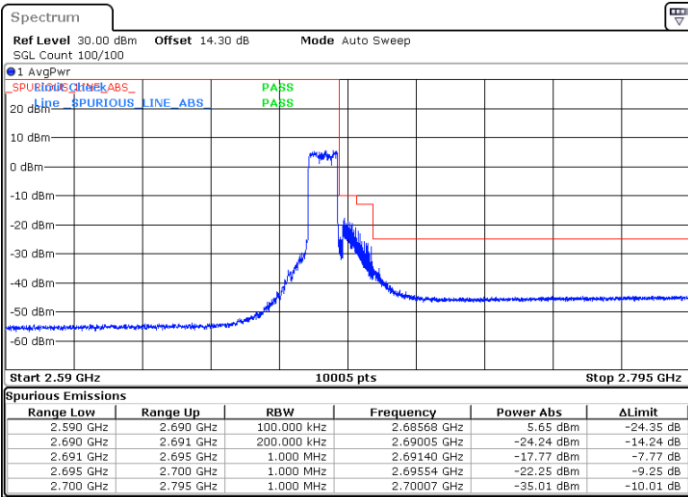
Channel Power < -13dBm Pass



Date: 19. JAN. 2021 23:02:38

Highest Band Edge / Full RB

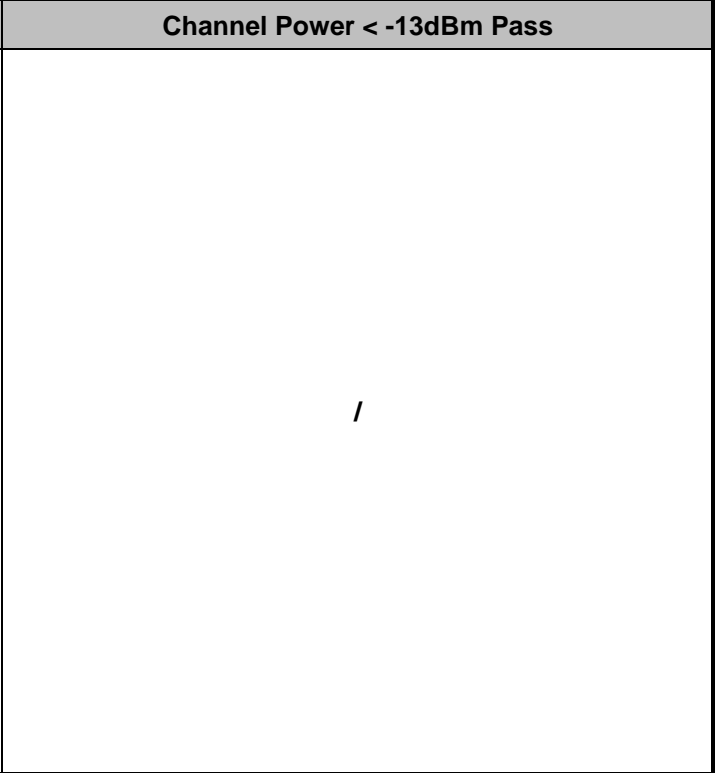
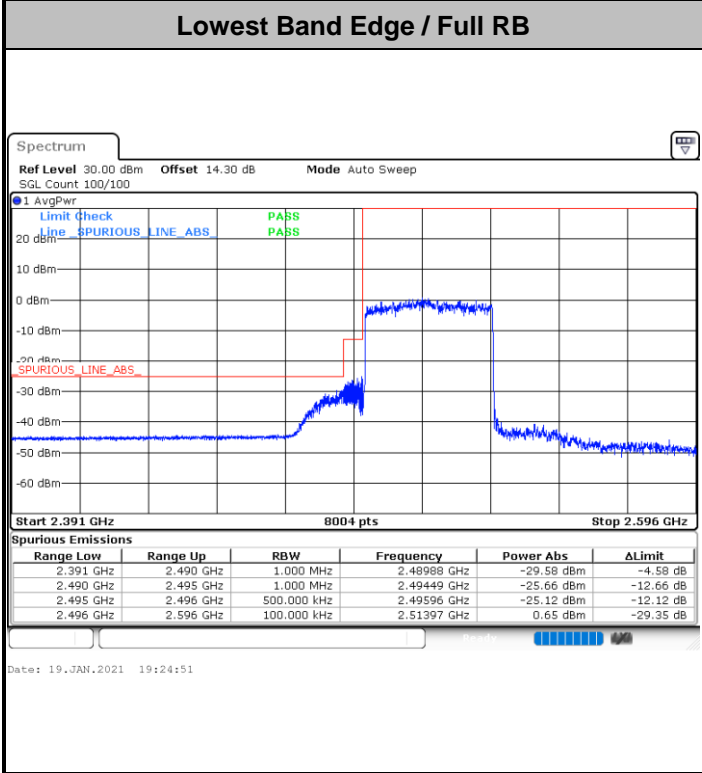
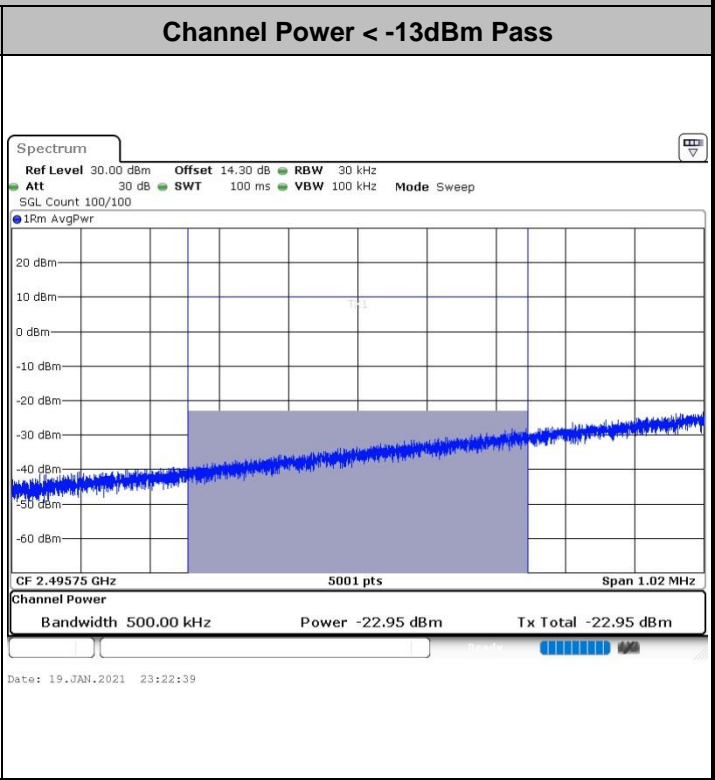
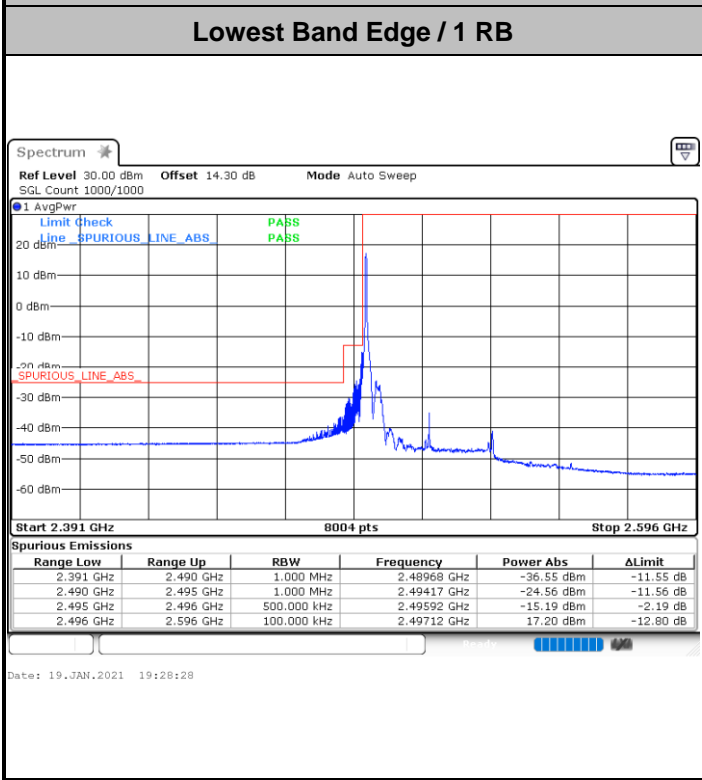
Channel Power < -13dBm Pass



Date: 19. JAN. 2021 23:06:42



FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

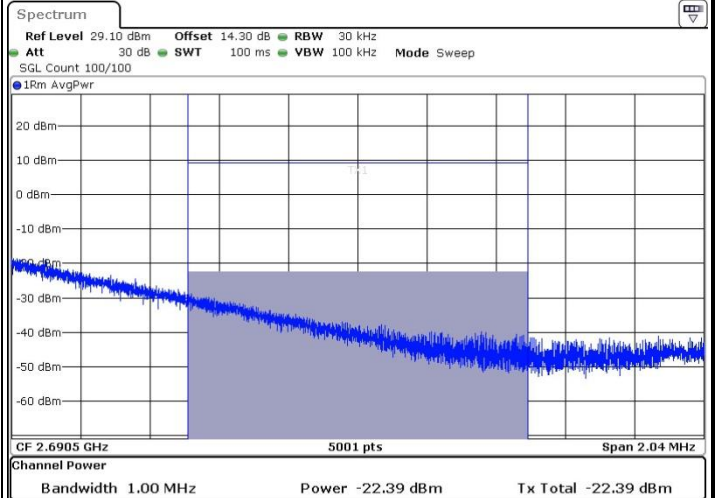
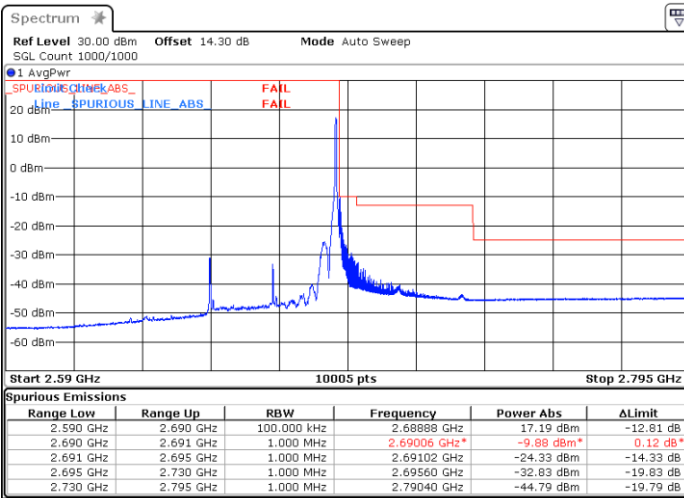




FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass

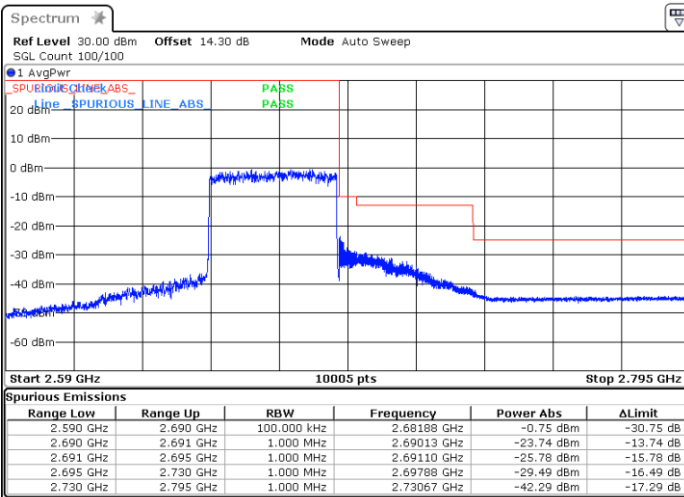


Date: 26.FEB.2021 14:04:31

Date: 26.FEB.2021 14:03:38

Highest Band Edge / Full RB

Channel Power < -10dBm Pass

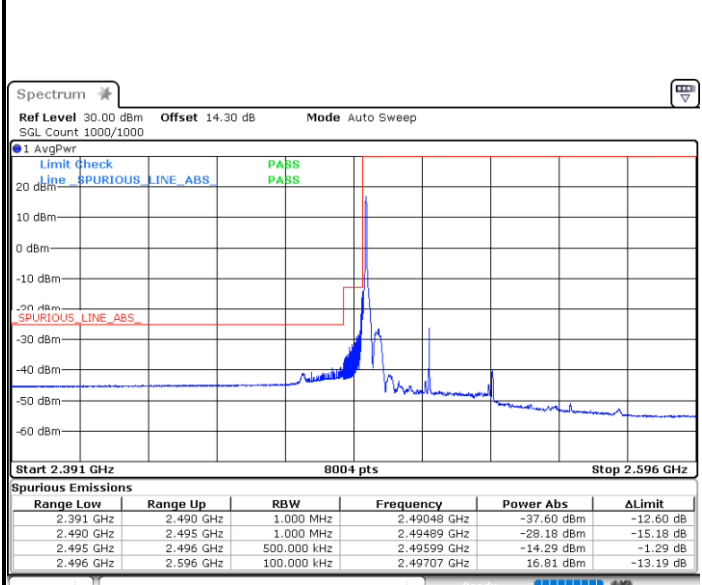


Date: 26.FEB.2021 14:00:36

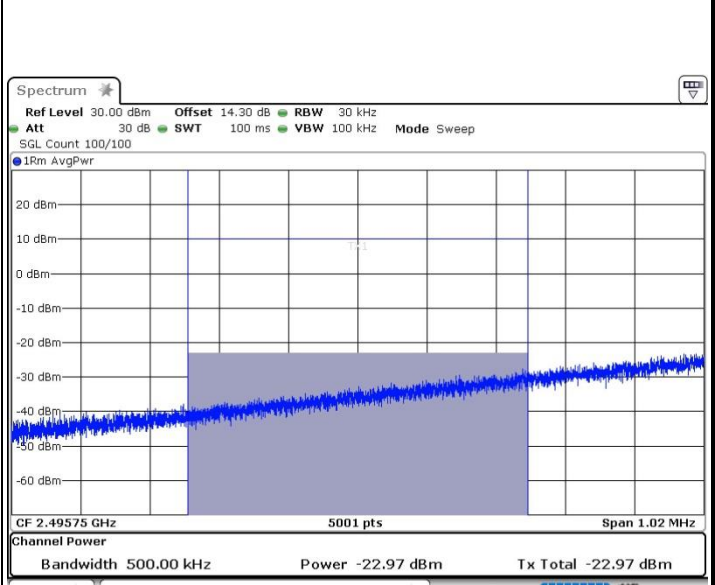


FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

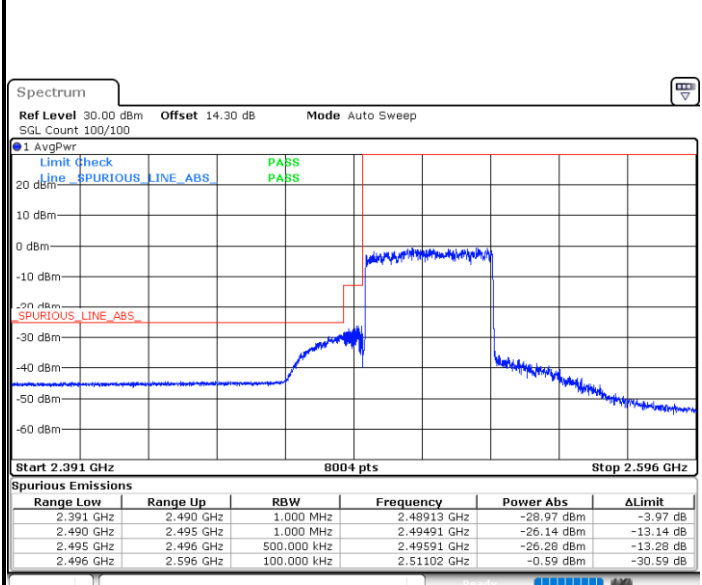
Lowest Band Edge / 1 RB



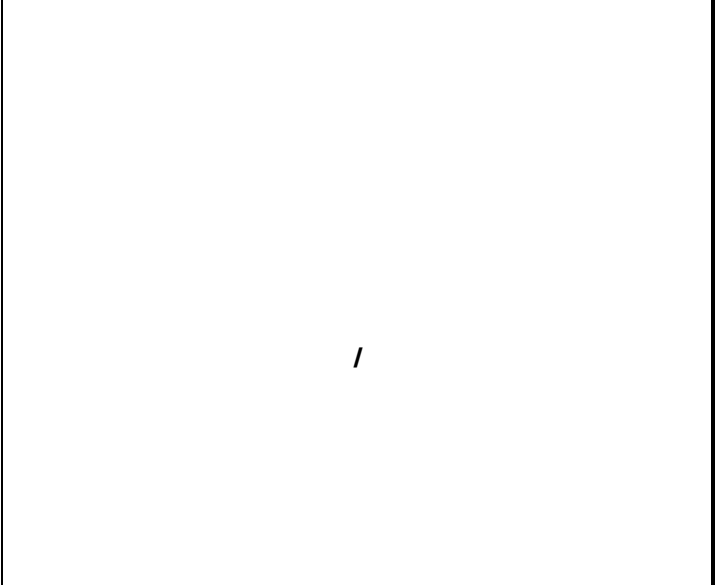
Channel Power < -13dBm Pass



Lowest Band Edge / Full RB



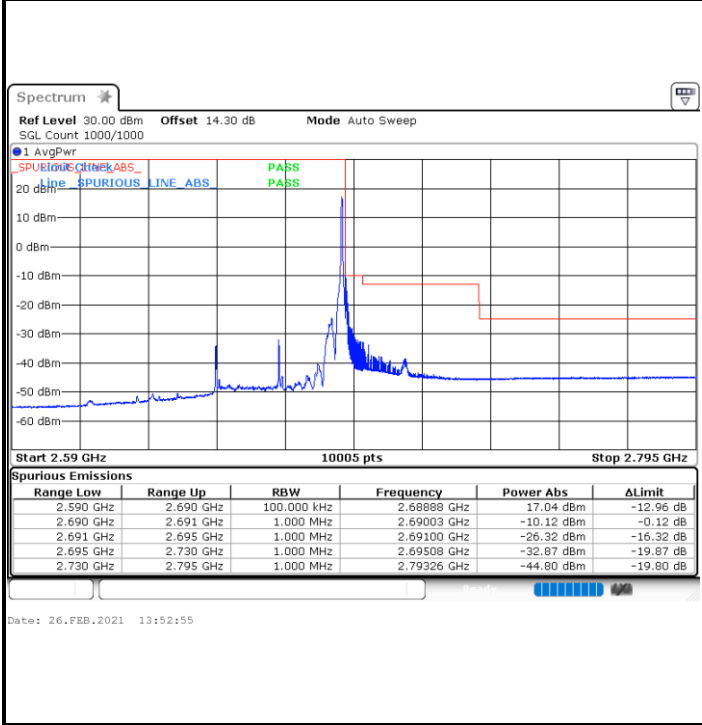
Channel Power < -13dBm Pass



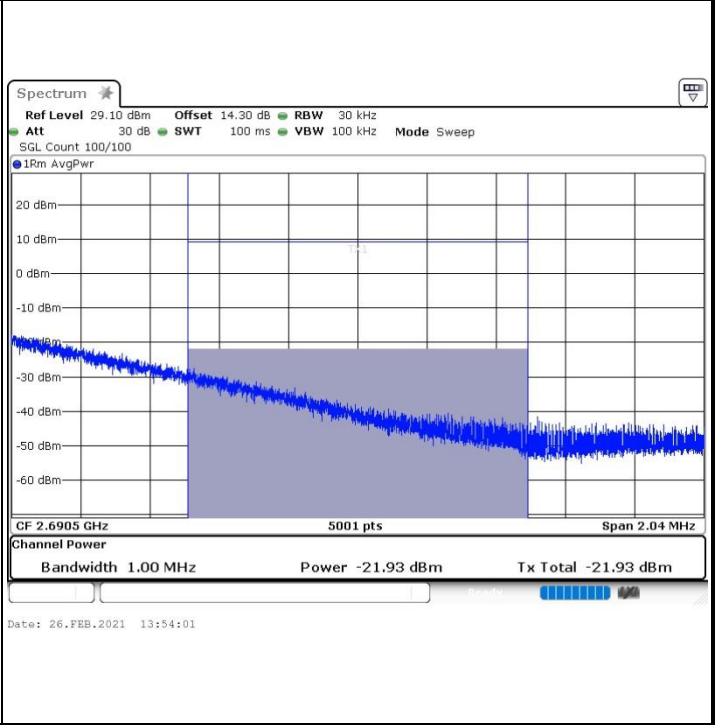


FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Highest Band Edge / 1 RB



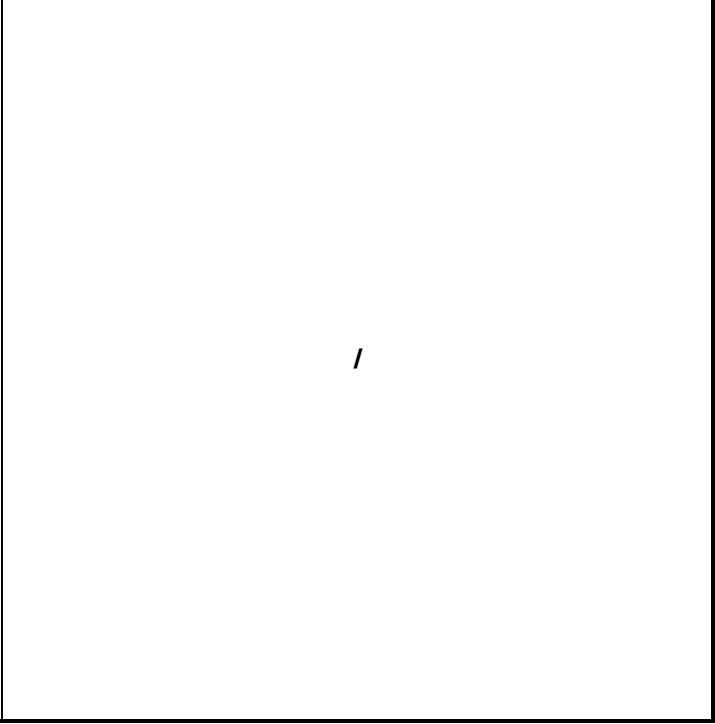
Channel Power < -10dBm Pass



Highest Band Edge / Full RB



Channel Power < -10dBm Pass

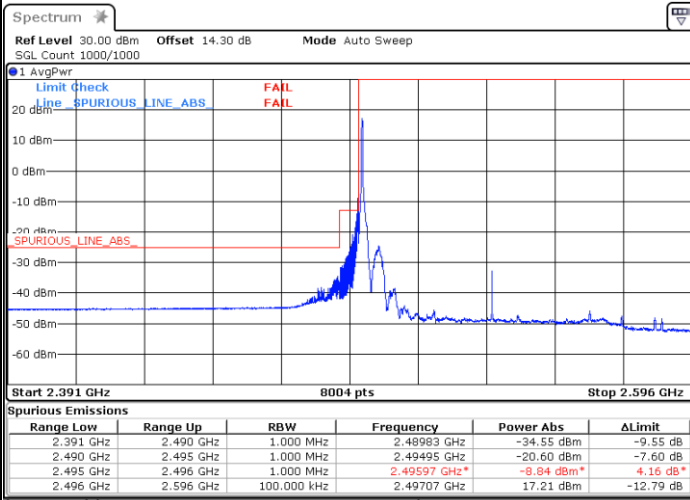




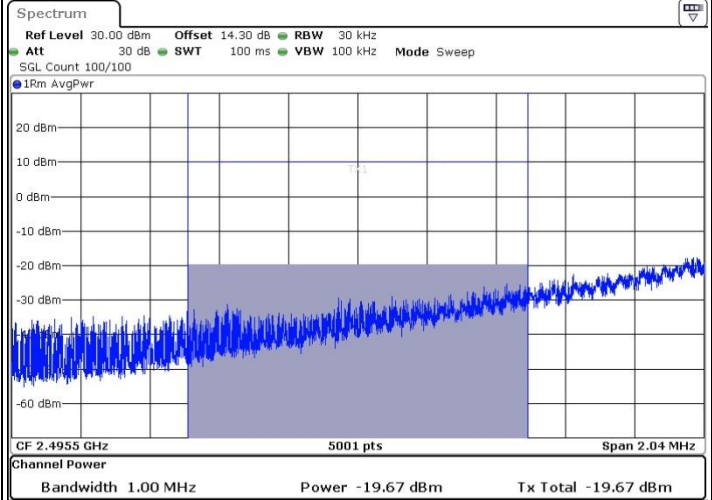
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



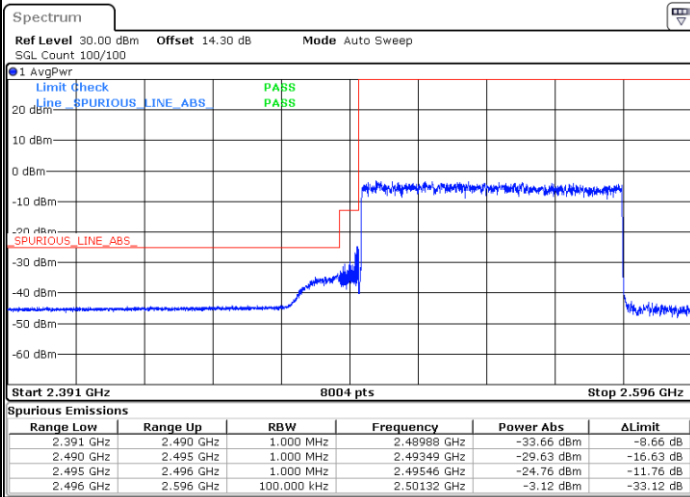
Date: 19.JAN.2021 18:48:44



Date: 19.JAN.2021 18:52:15

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



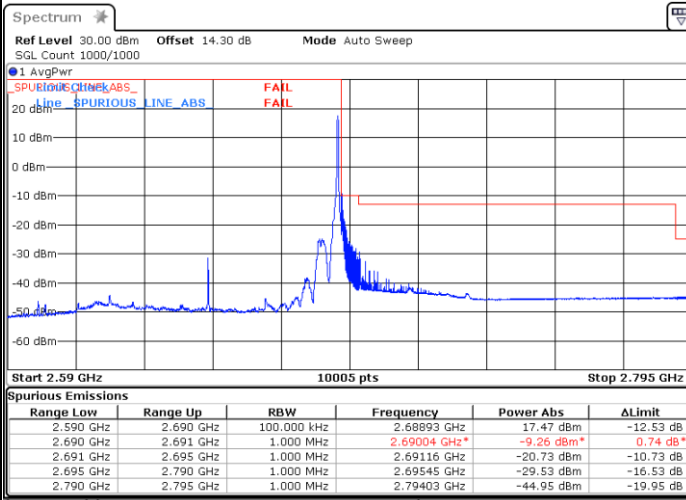
Date: 19.JAN.2021 18:52:32



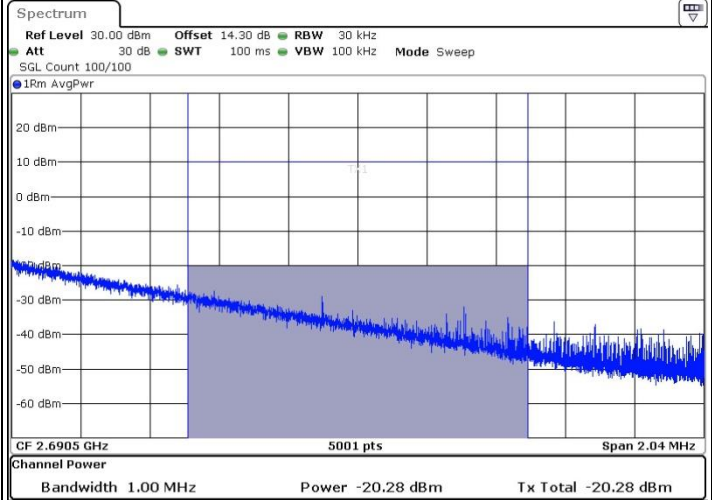
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass



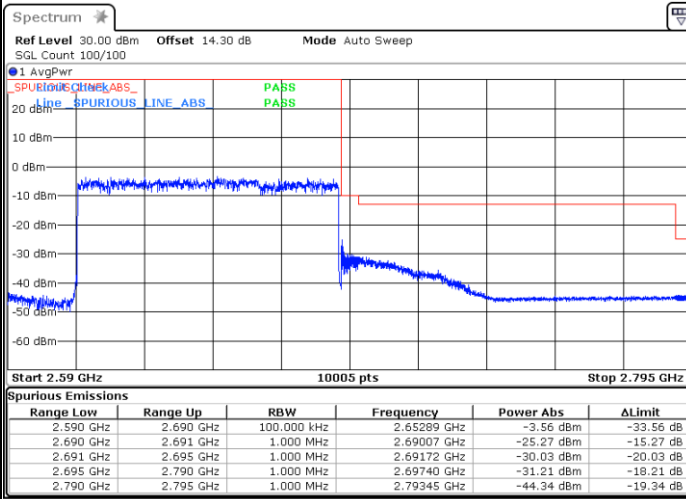
Date: 19.JAN.2021 19:16:50



Date: 19.JAN.2021 19:12:36

Highest Band Edge / Full RB

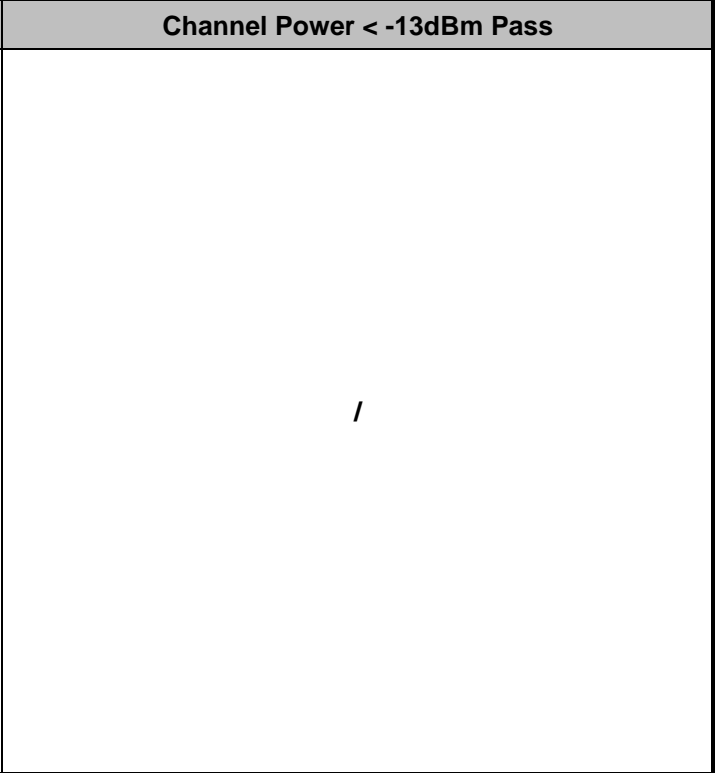
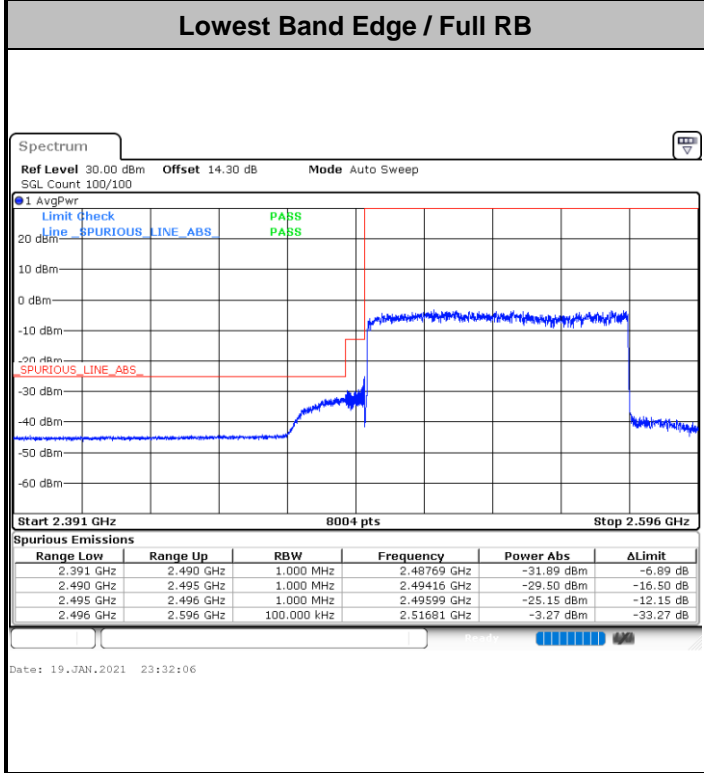
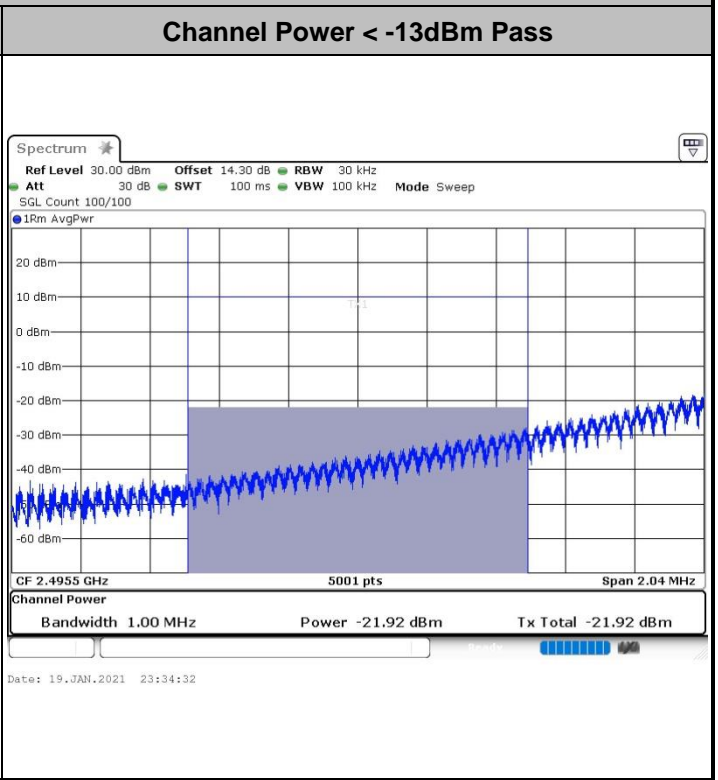
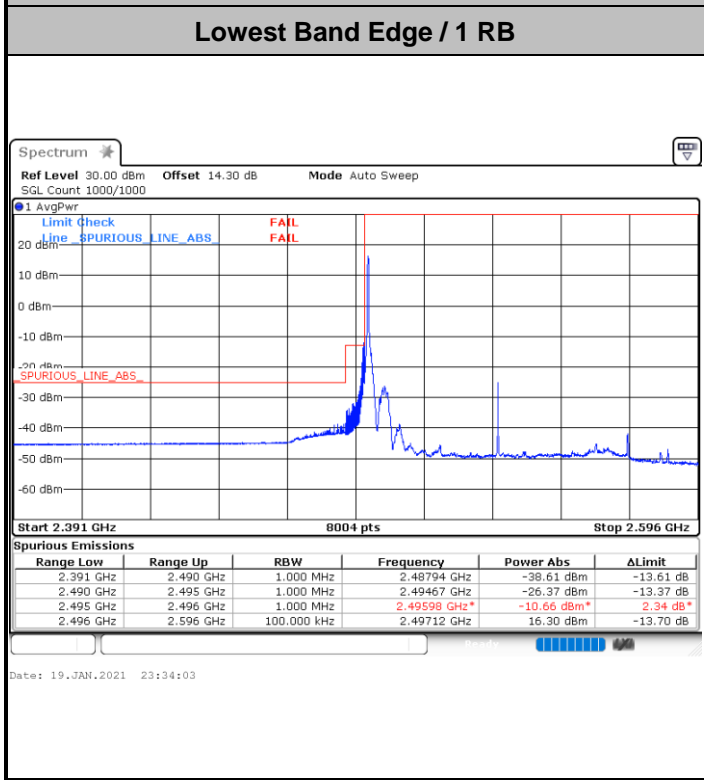
Channel Power < -10dBm Pass



Date: 19.JAN.2021 19:19:03

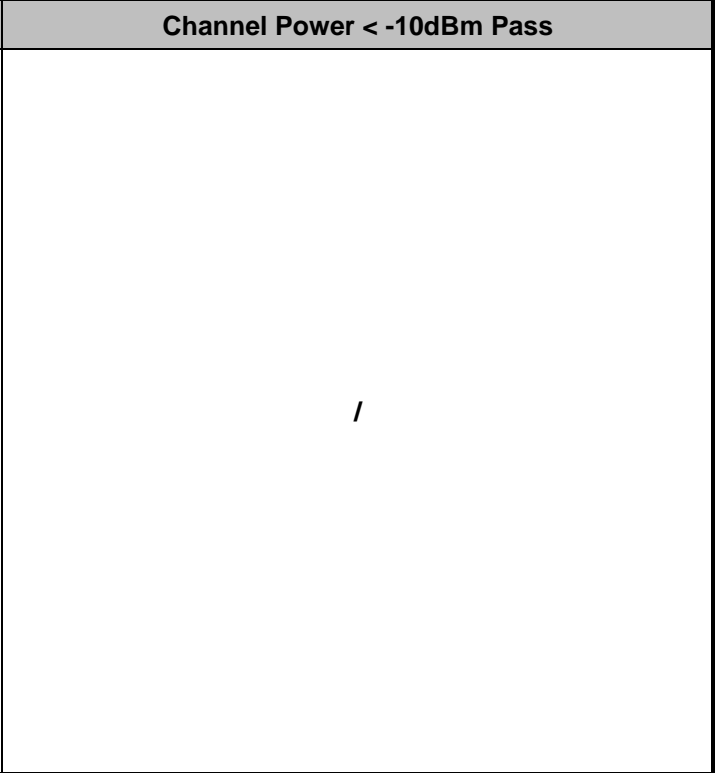
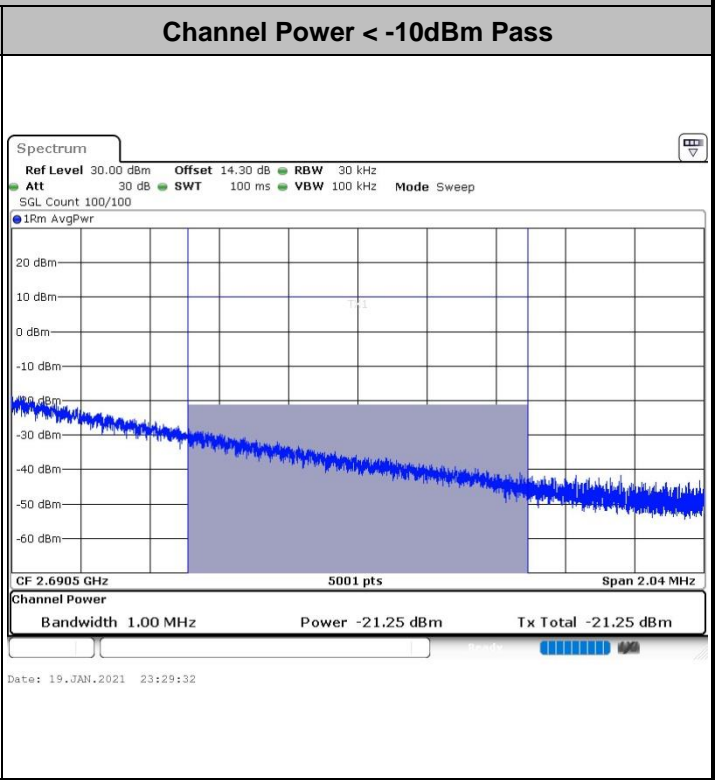
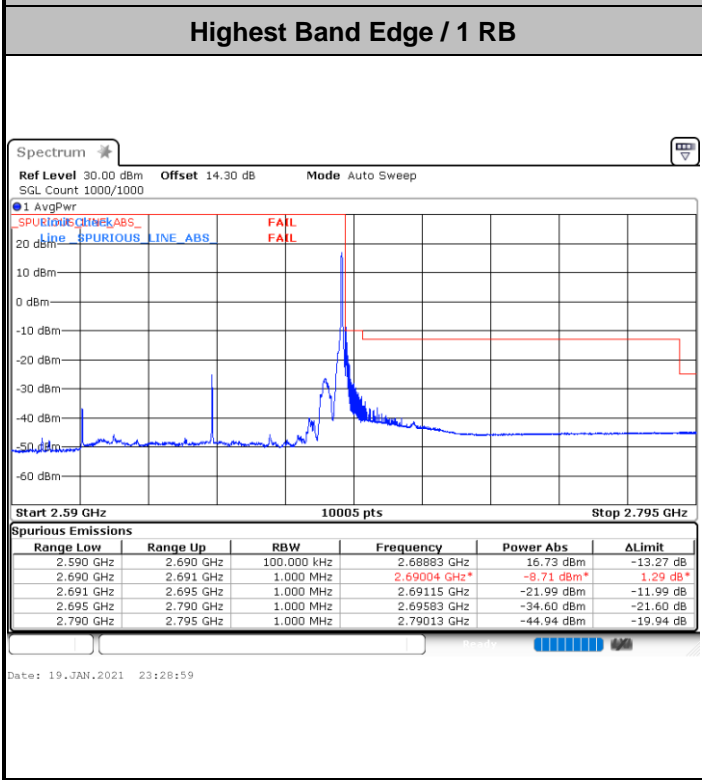


FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)



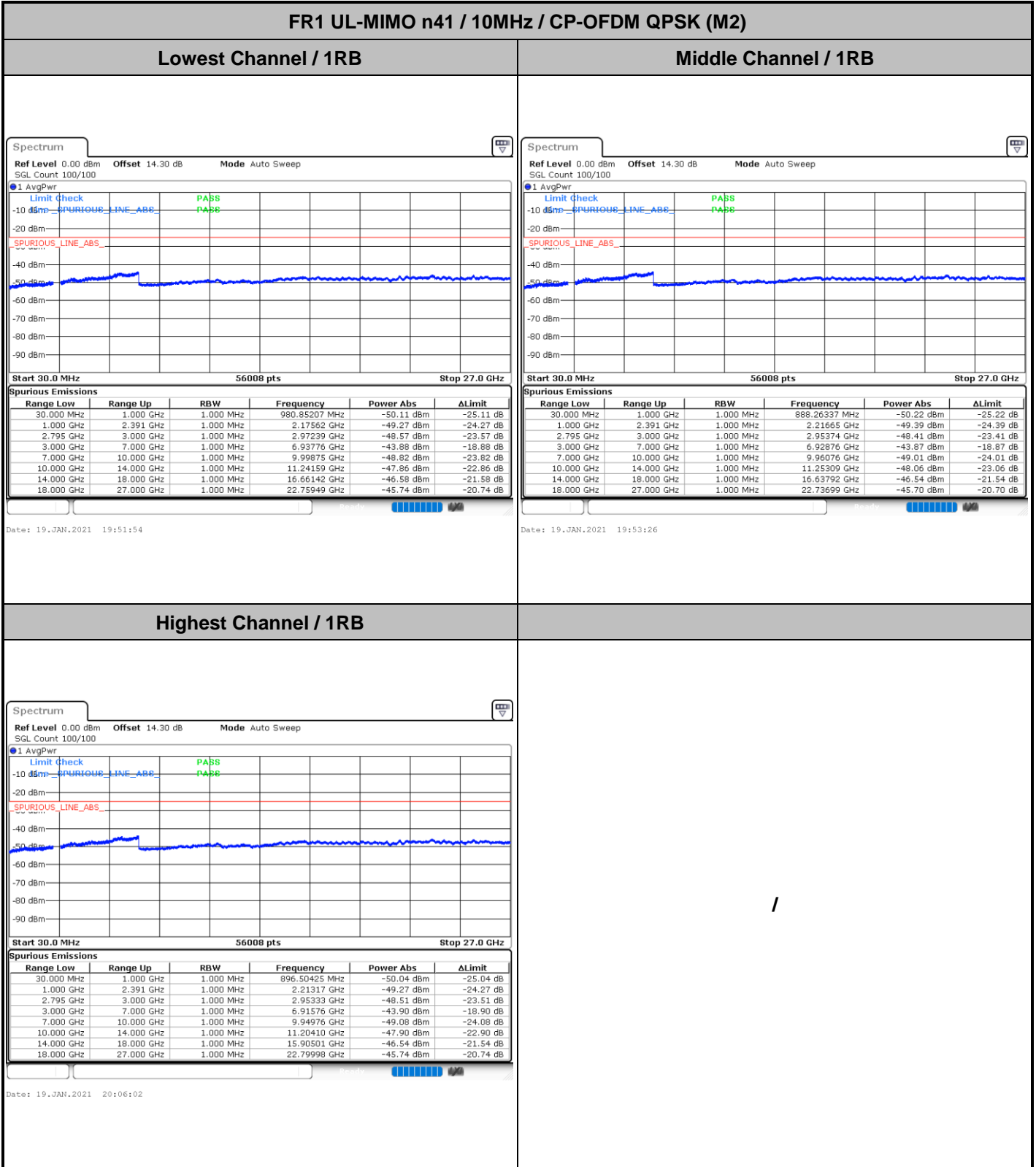


FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)





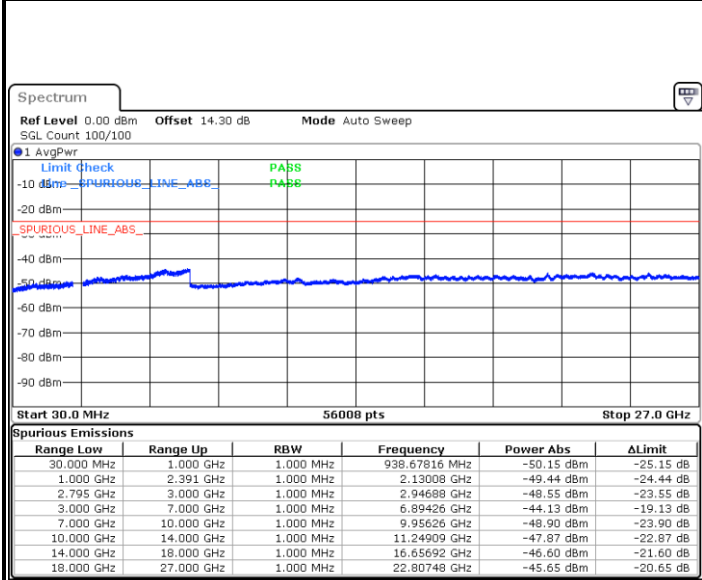
Conducted Spurious Emission





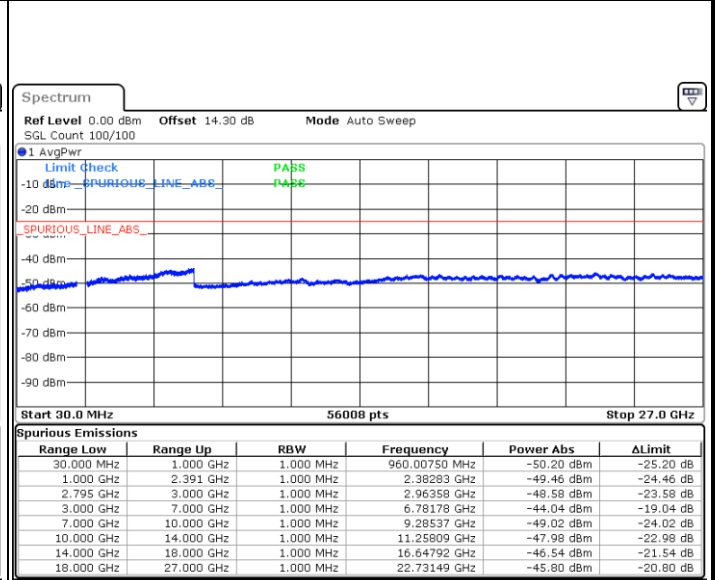
FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB



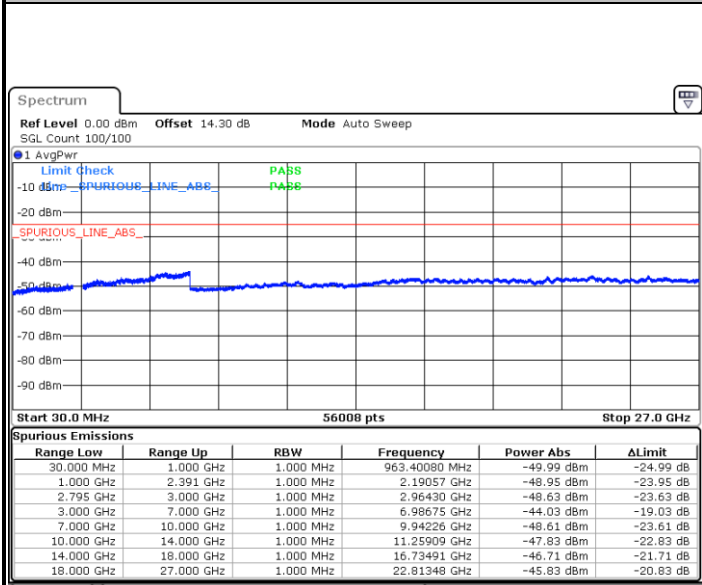
Date: 19. JAN. 2021 22:26:51

Middle Channel / 1RB



Date: 19. JAN. 2021 22:50:14

Highest Channel / 1RB



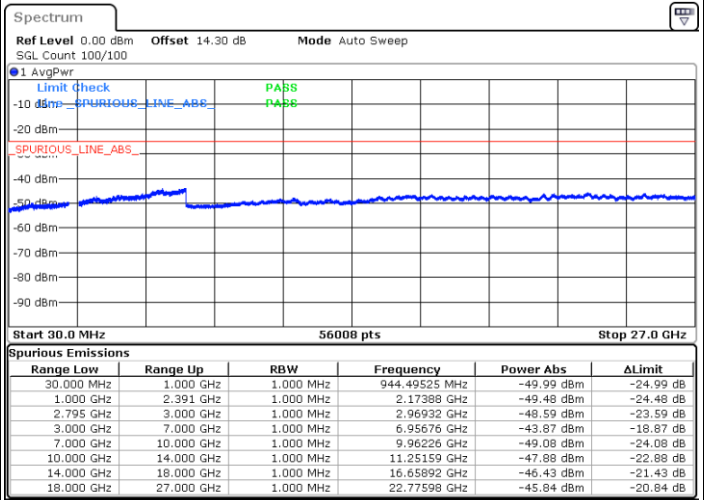
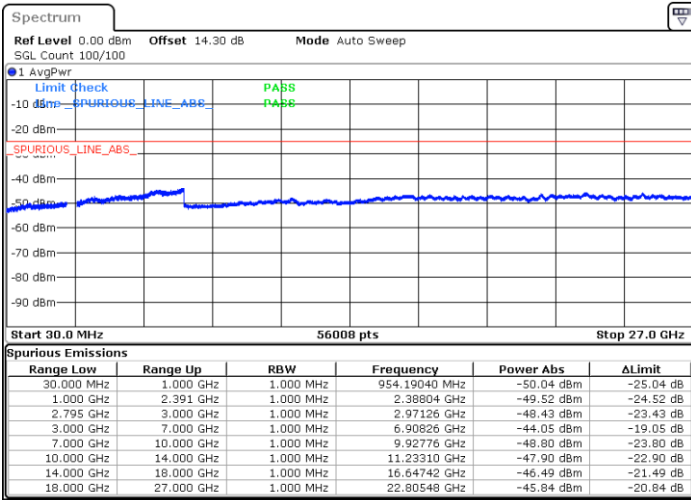
Date: 19. JAN. 2021 22:52:12



FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

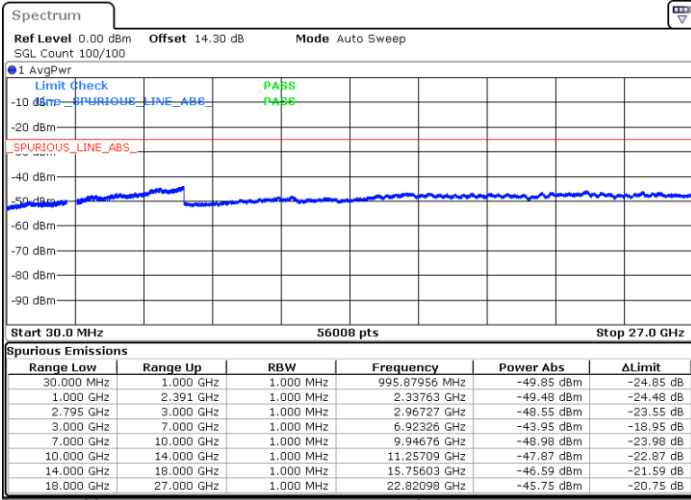
Middle Channel / 1RB



Date: 19. JAN. 2021 20:12:07

Date: 19. JAN. 2021 20:21:10

Highest Channel / 1RB



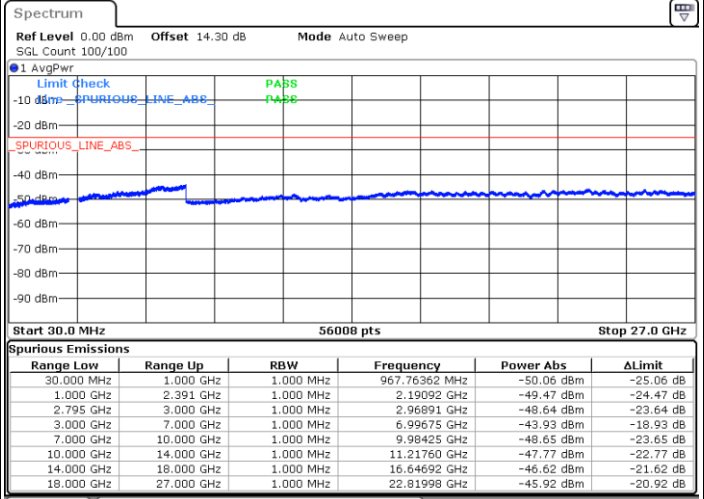
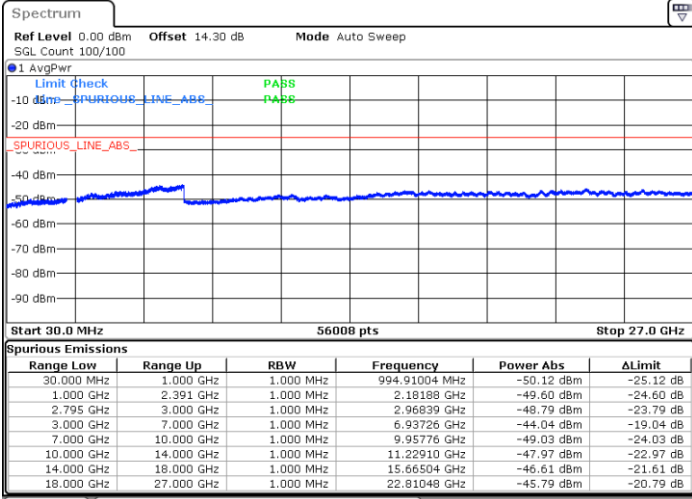
Date: 19. JAN. 2021 20:22:49



FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

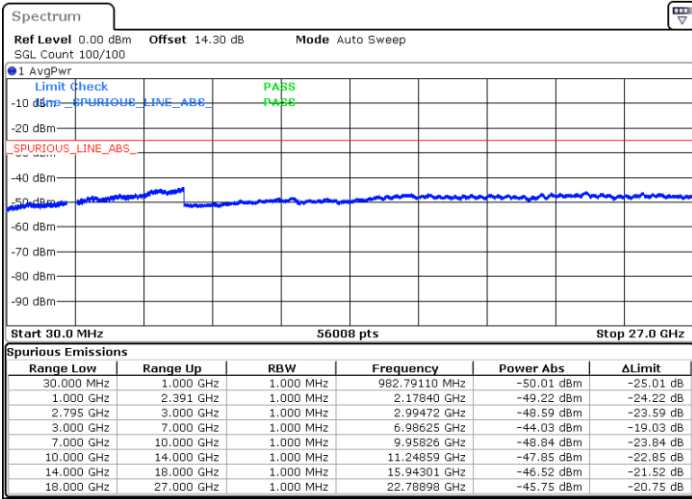
Middle Channel / 1RB



Date: 19. JAN. 2021 22:14:54

Date: 19. JAN. 2021 22:16:46

Highest Channel / 1RB



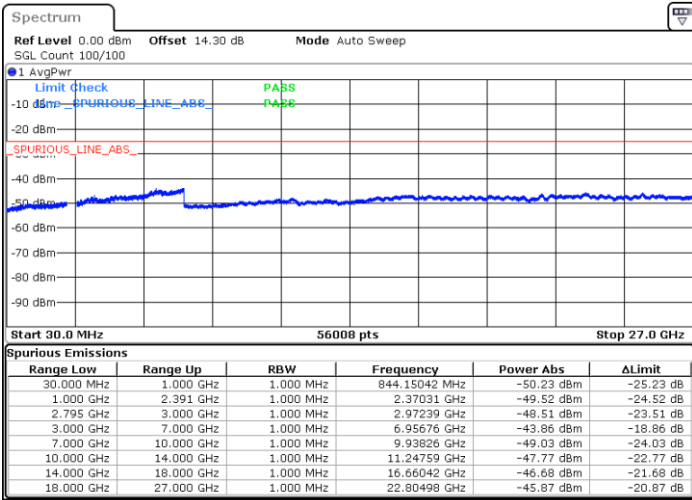
Date: 19. JAN. 2021 22:25:04



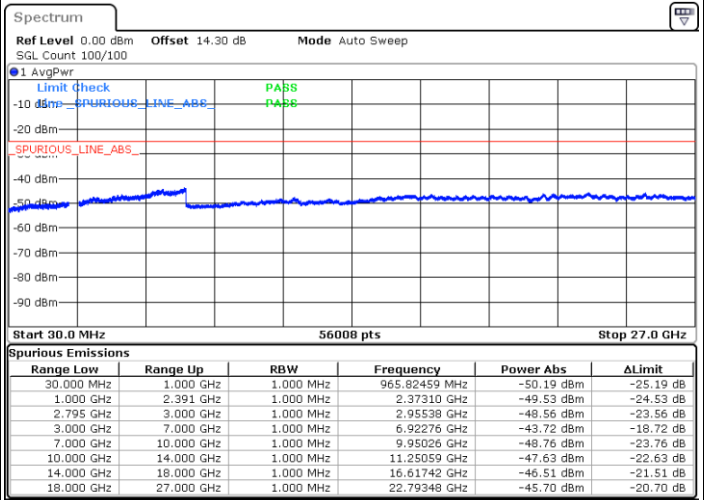
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

Middle Channel / 1RB

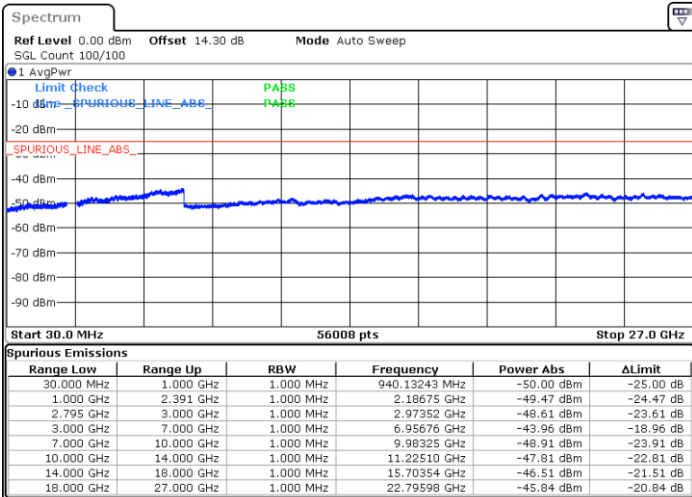


Date: 19. JAN. 2021 20:29:46



Date: 19. JAN. 2021 20:30:58

Highest Channel / 1RB

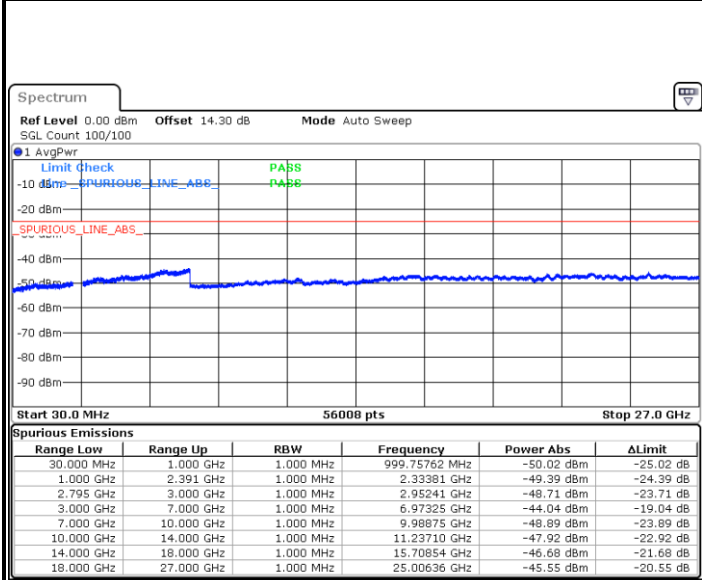


Date: 19. JAN. 2021 20:57:42



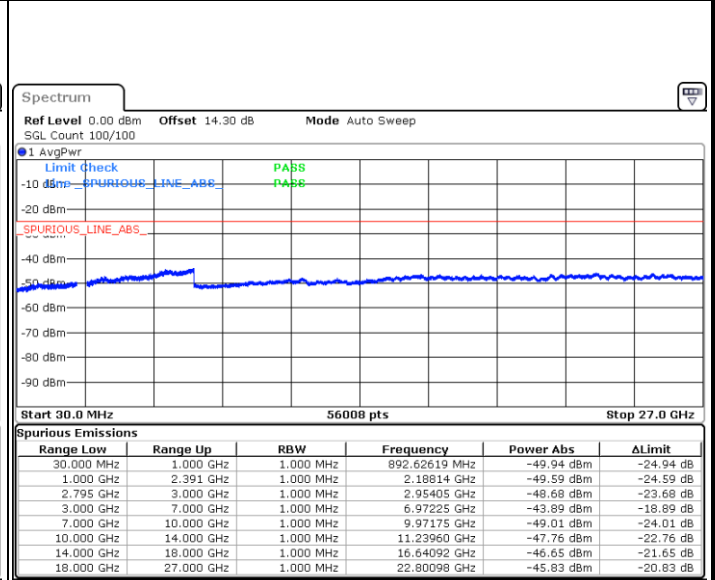
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB



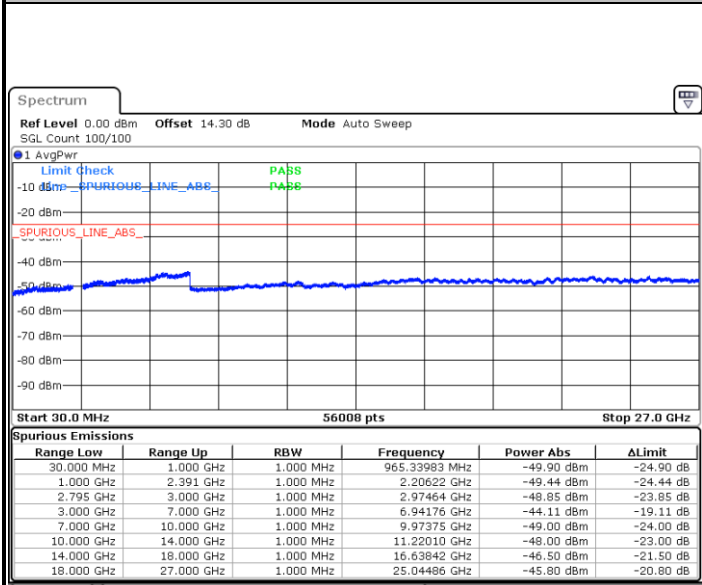
Date: 19. JAN. 2021 22:08:49

Middle Channel / 1RB



Date: 19. JAN. 2021 22:00:39

Highest Channel / 1RB



Date: 19. JAN. 2021 22:07:29

**Frequency Stability**

Test Conditions		NR UL-MIMO n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0025	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0038	

Note:

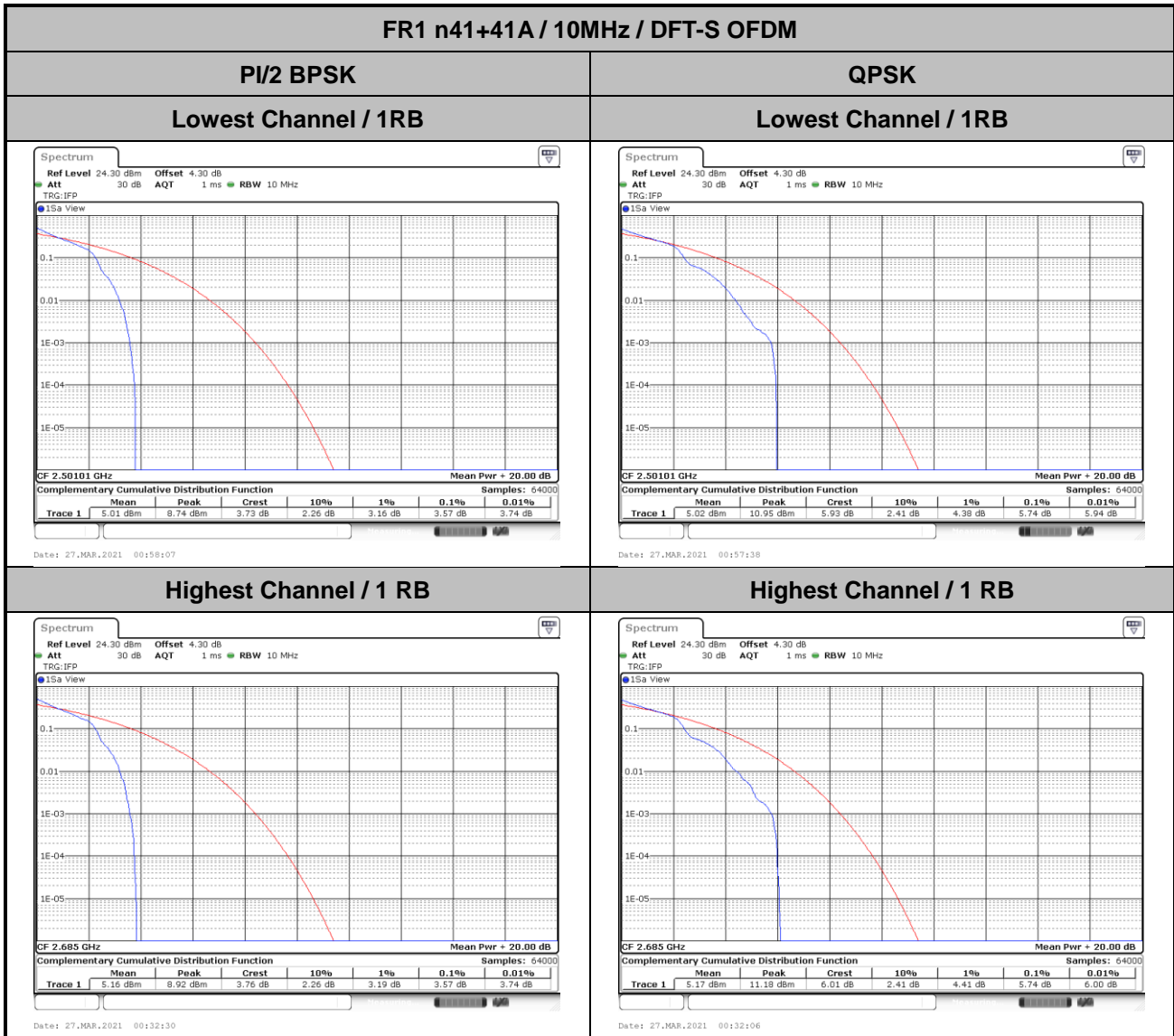
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

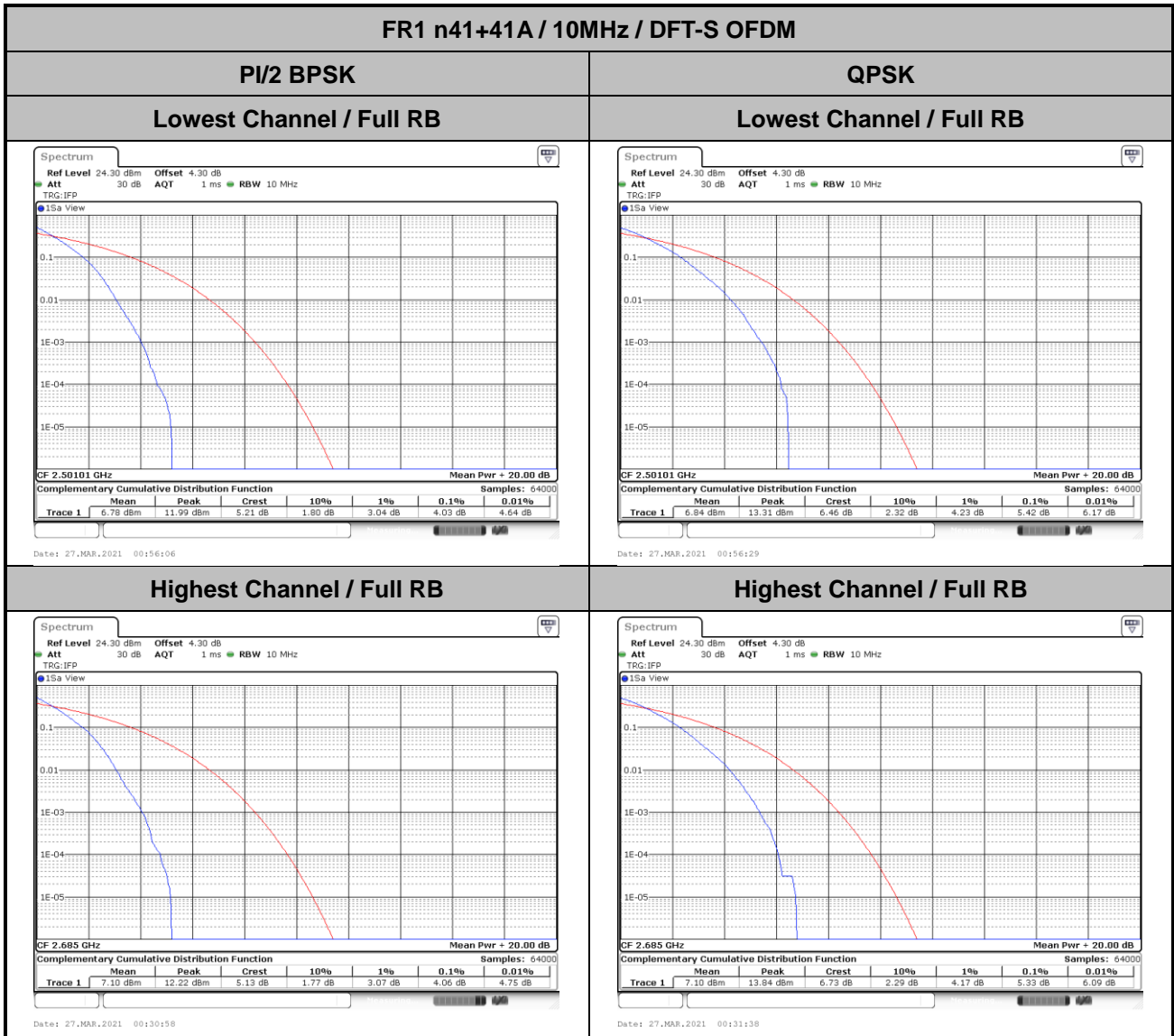


5G NR n41 NSA-SCS 15K

Peak-to-Average Ratio

Mode	FR1 n41+41A / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	PI/2 BPSK	QPSK	QPSK	Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.57	4.03	5.74	5.42	PASS
Middle CH	-	-	-	-	
Highest CH	3.57	4.06	5.74	5.33	







26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.79	9.71	9.73	9.57				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.87	14.78	14.90	14.87				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	29.43	29.61	29.37	29.43				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	41.00	40.92	40.92	41.00				