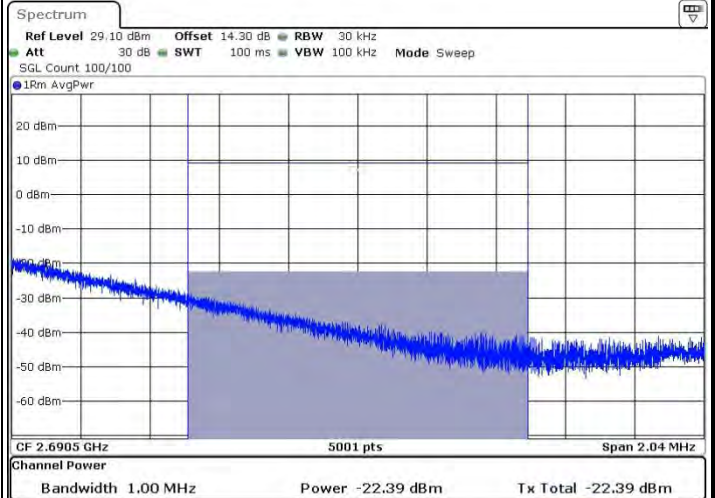
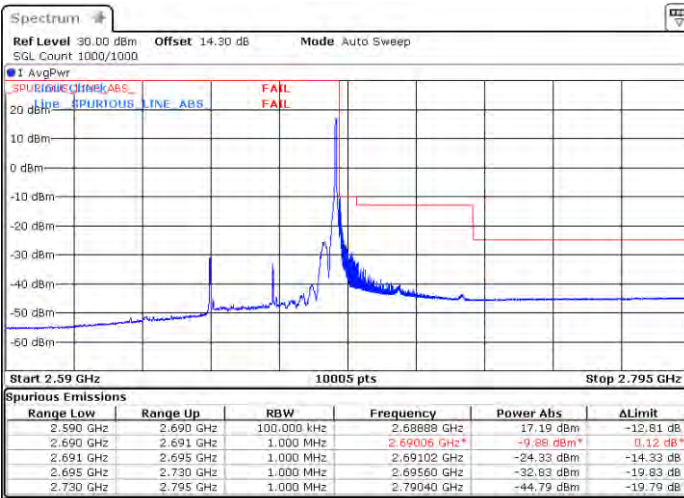




FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass

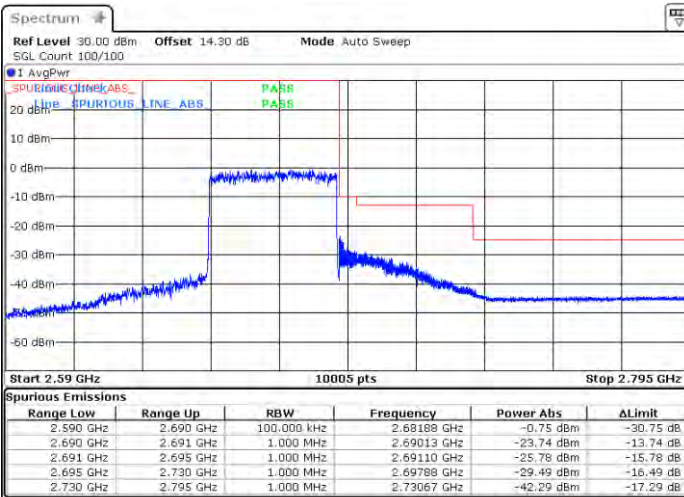


Date: 26.FEB.2021 14:04:31

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

Highest Band Edge / Full RB

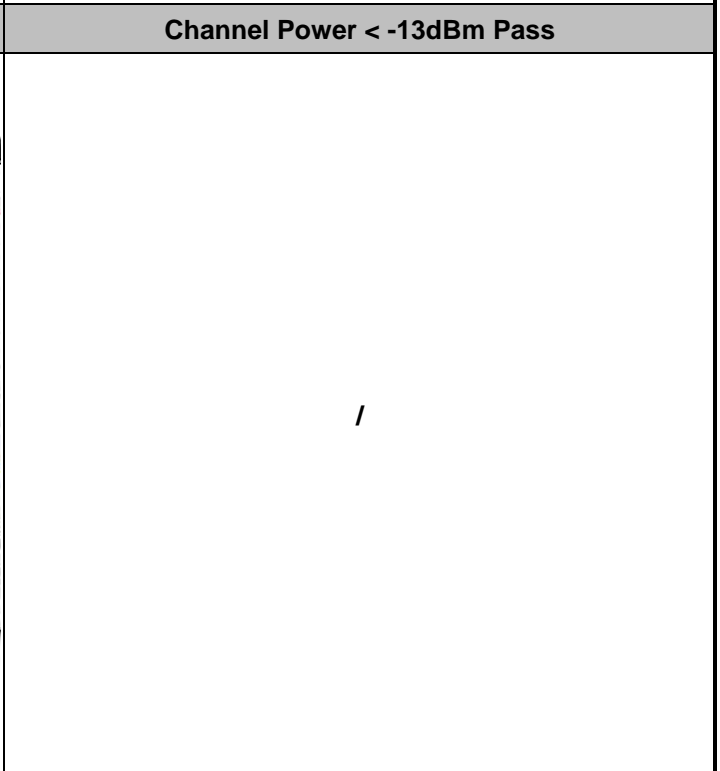
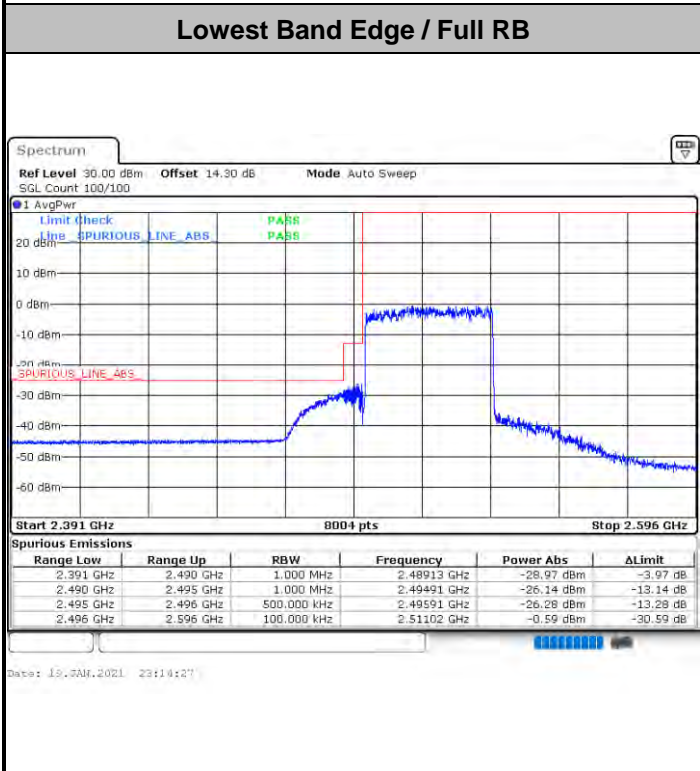
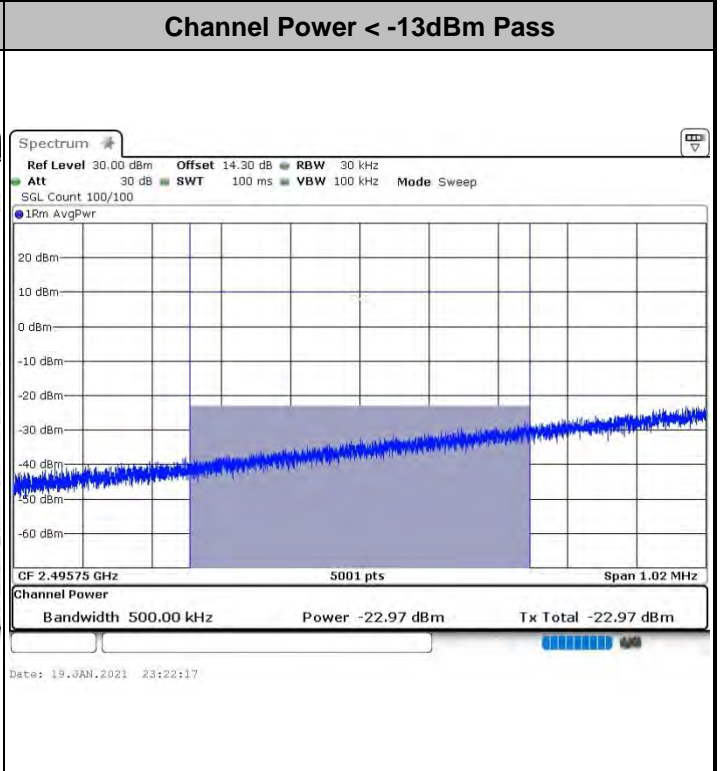
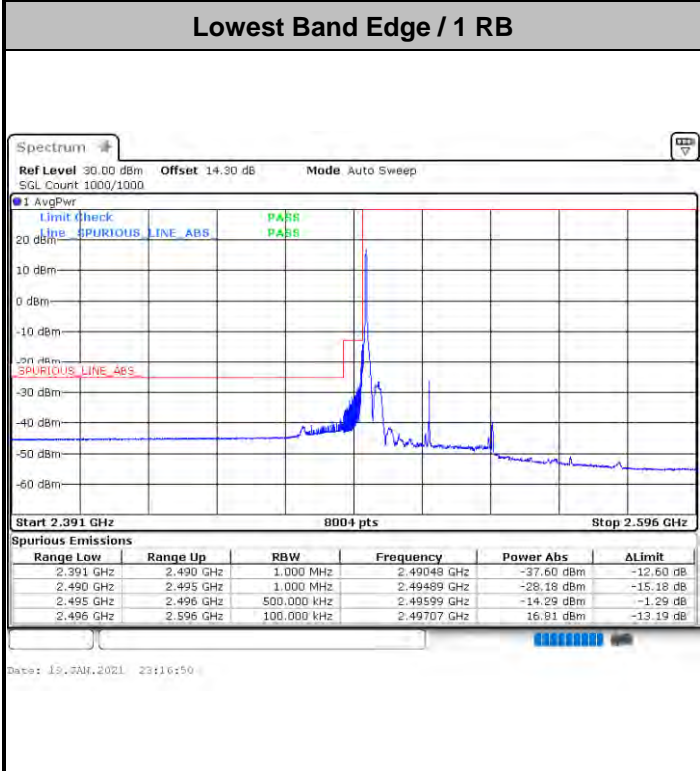
Channel Power < -10dBm Pass



Date: 26.FEB.2021 14:00:16



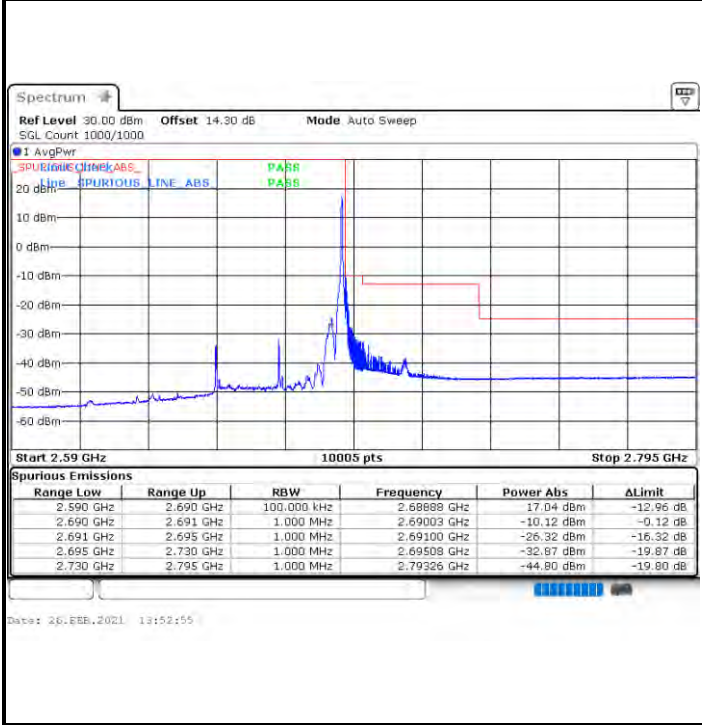
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)



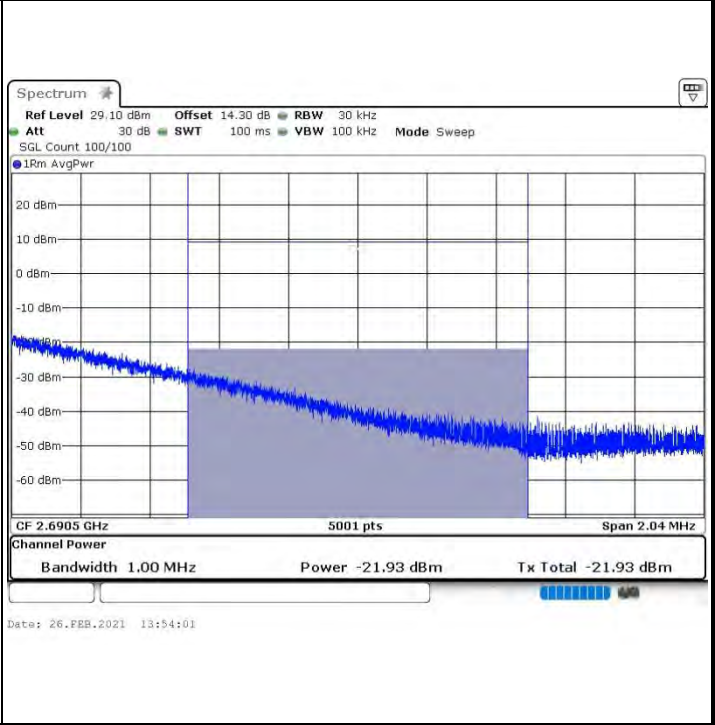


FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

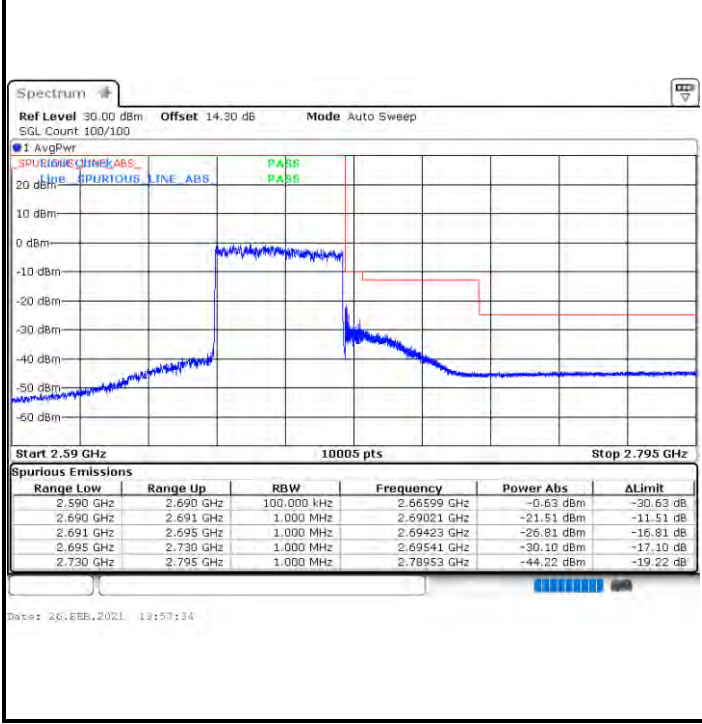
Highest Band Edge / 1 RB



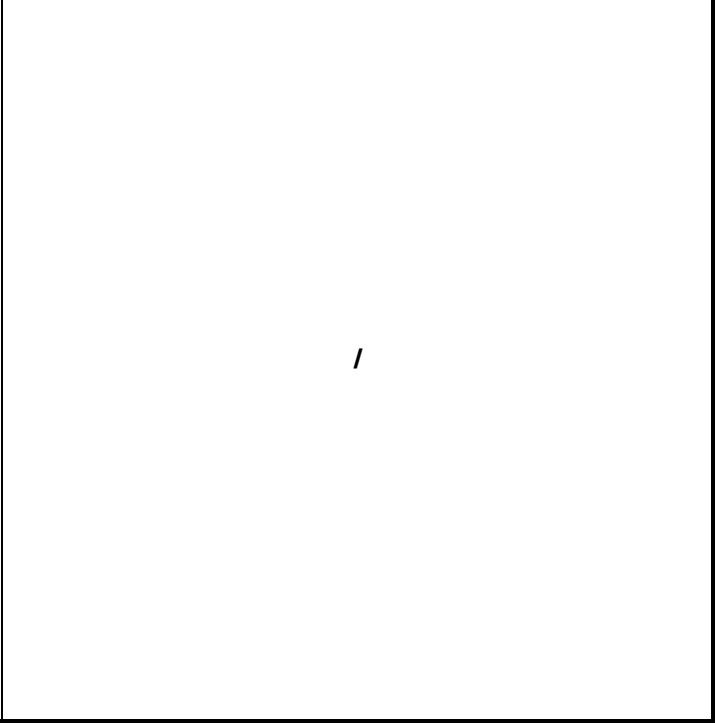
Channel Power < -10dBm Pass



Highest Band Edge / Full RB



Channel Power < -10dBm Pass

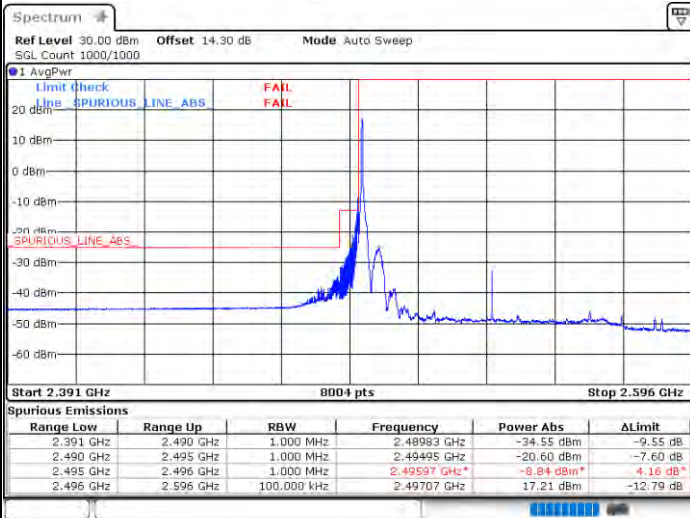




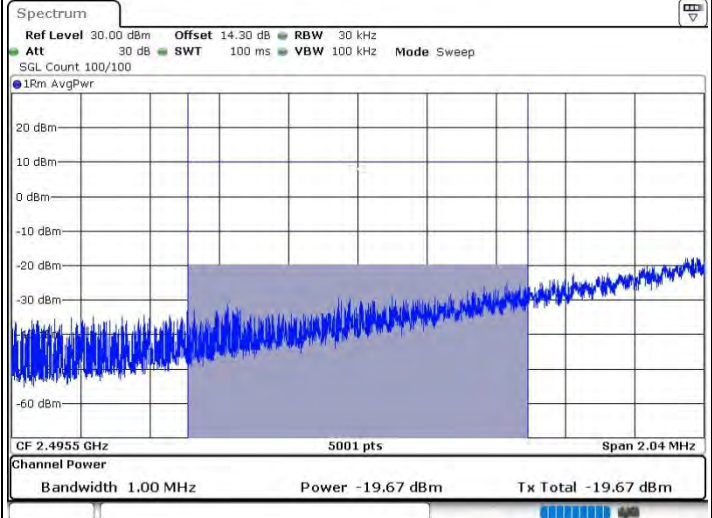
FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M2)

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass



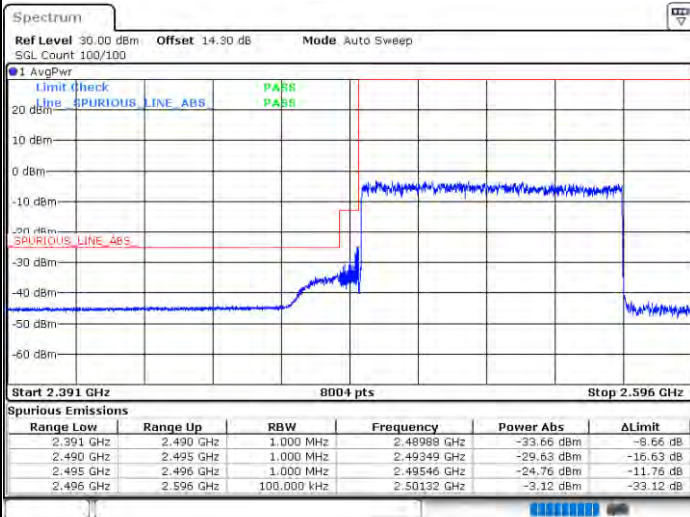
Date: 19. JAN. 2021 18:48:44



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

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



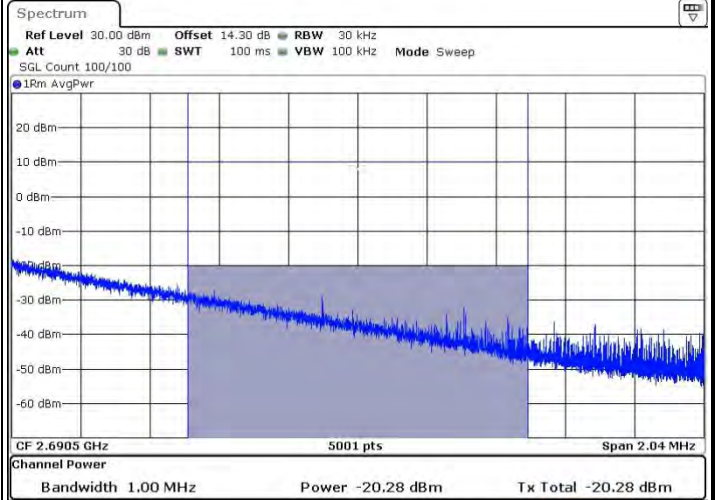
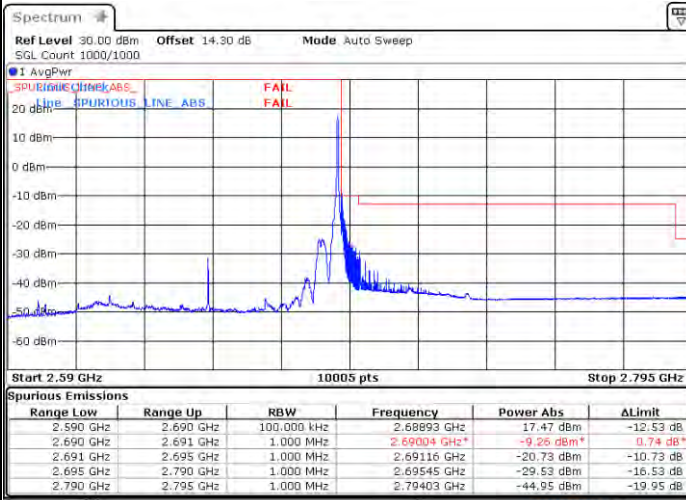
Date: 19. JAN. 2021 18:52:32



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

Highest Band Edge / 1 RB

Channel Power < -10dBm Pass

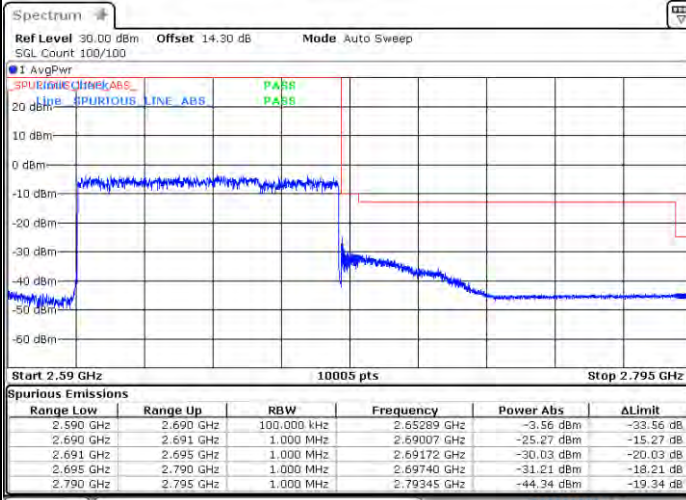


Date: 19.JAN.2021 19:16:50

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

Highest Band Edge / Full RB

Channel Power < -10dBm Pass



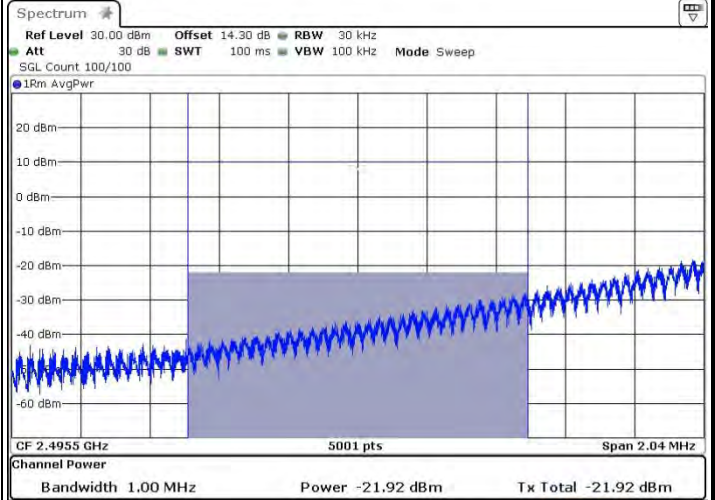
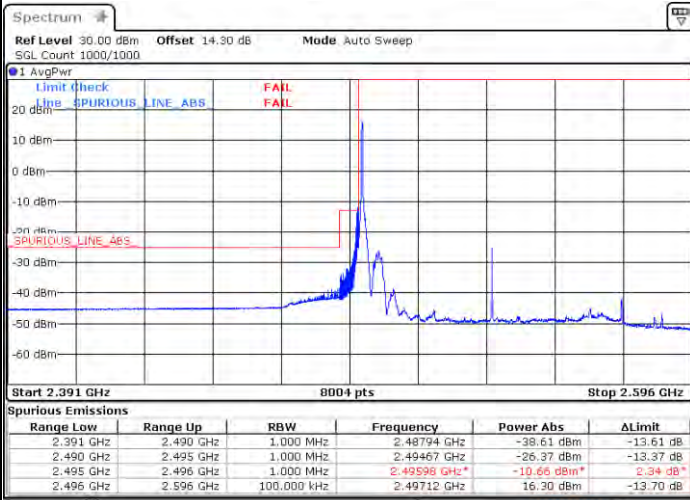
Date: 19.JAN.2021 19:19:03



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

Lowest Band Edge / 1 RB

Channel Power < -13dBm Pass

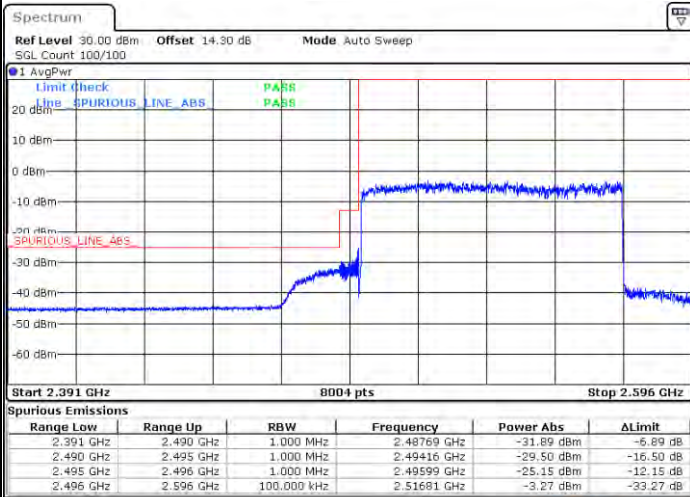


Date: 19. JAN. 2021 23:34:03

Date: 19. JAN. 2021 23:34:32

Lowest Band Edge / Full RB

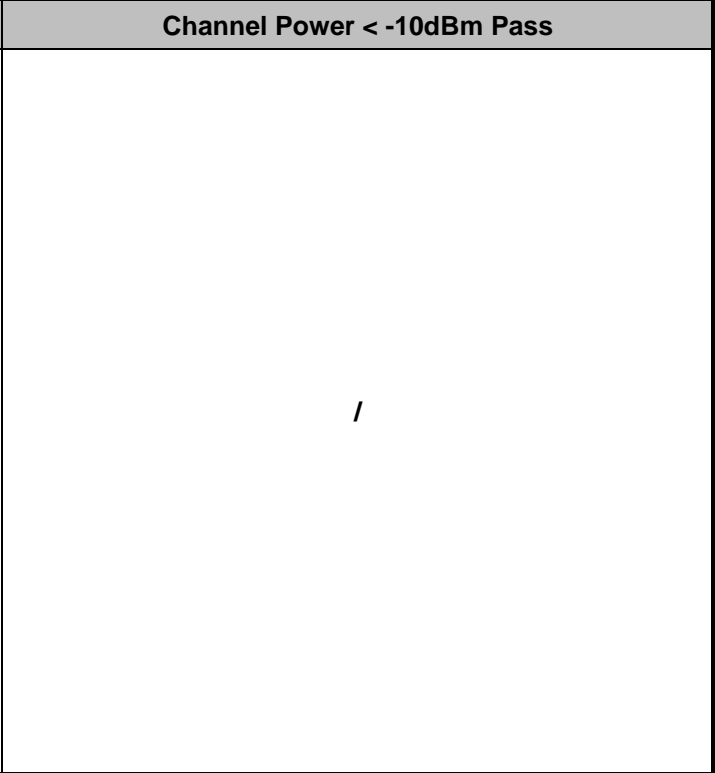
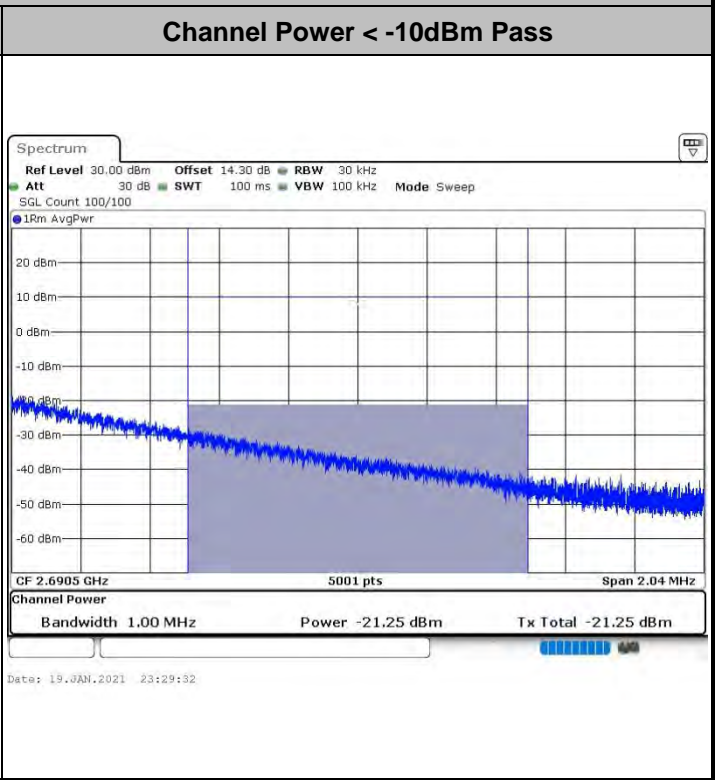
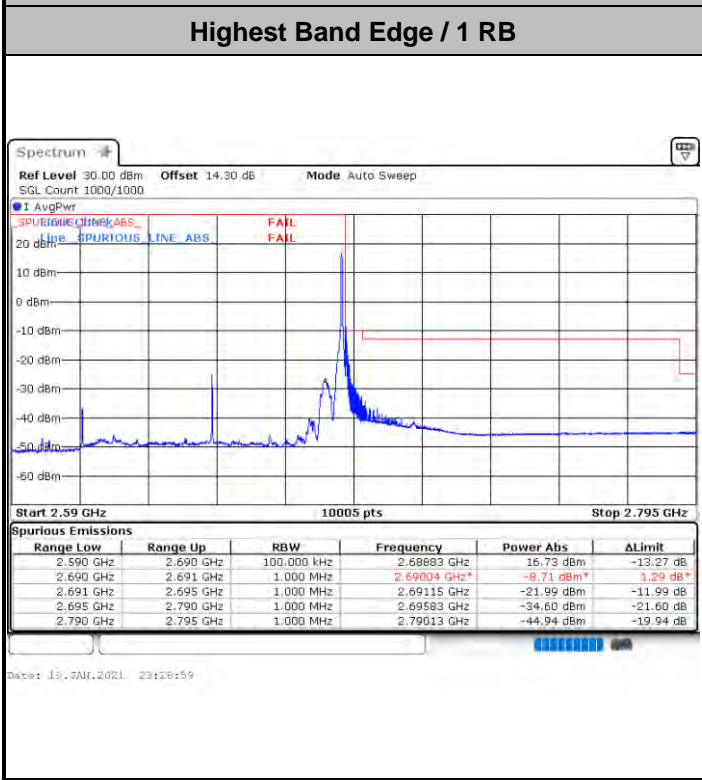
Channel Power < -13dBm Pass



Date: 19. JAN. 2021 23:32:06



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



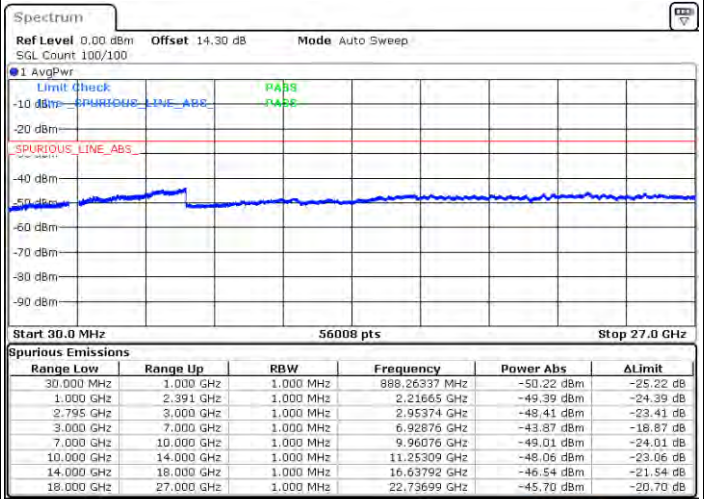
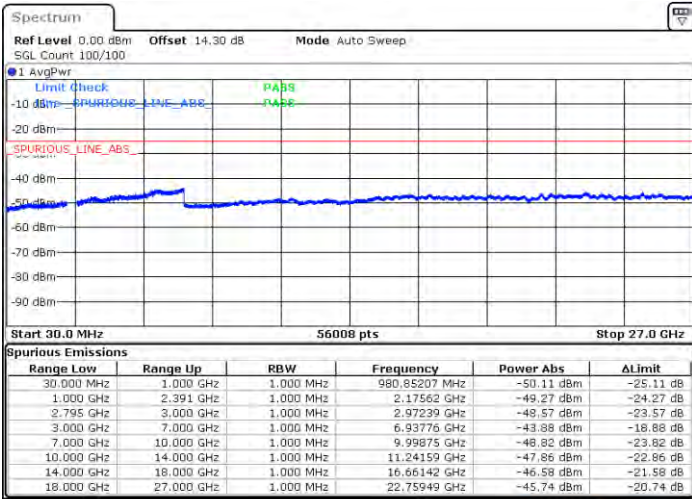


Conducted Spurious Emission

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

Lowest Channel / 1RB

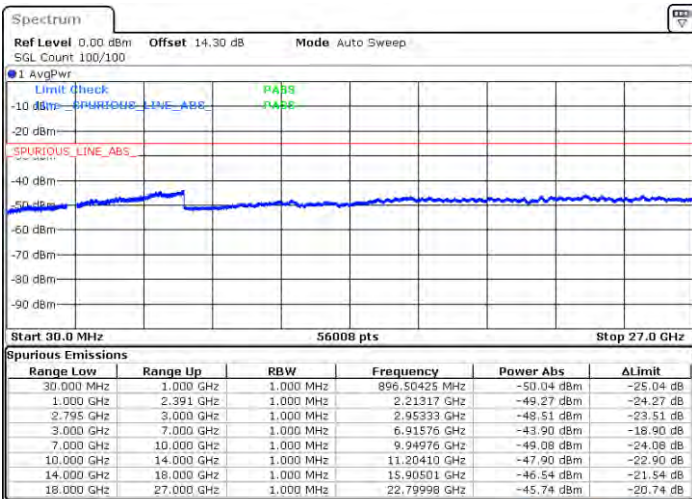
Middle Channel / 1RB



Date: 19, JAN, 2021 19:51:54

Date: 19, JAN, 2021 19:53:26

Highest Channel / 1RB

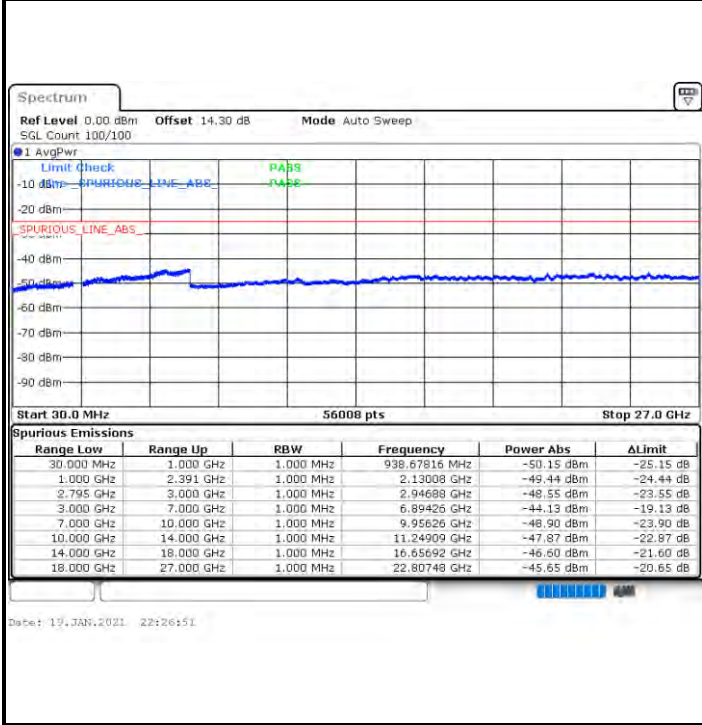


Date: 19, JAN, 2021 20:06:02

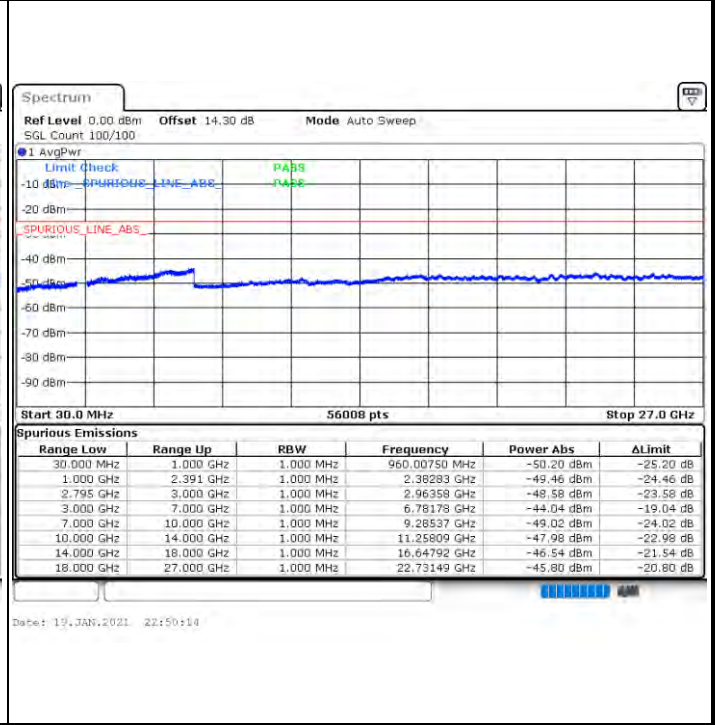


FR1 UL-MIMO n41 / 10MHz / CP-OFDM QPSK (M)

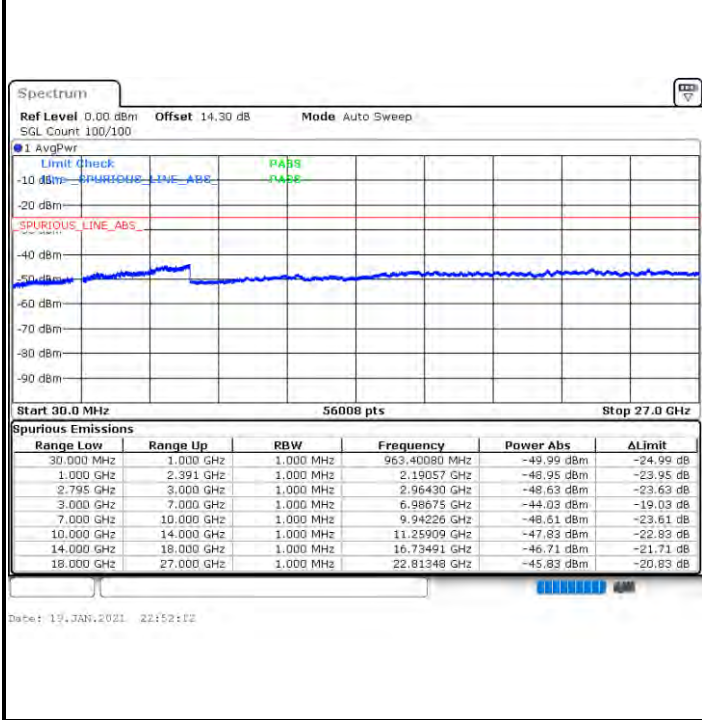
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB



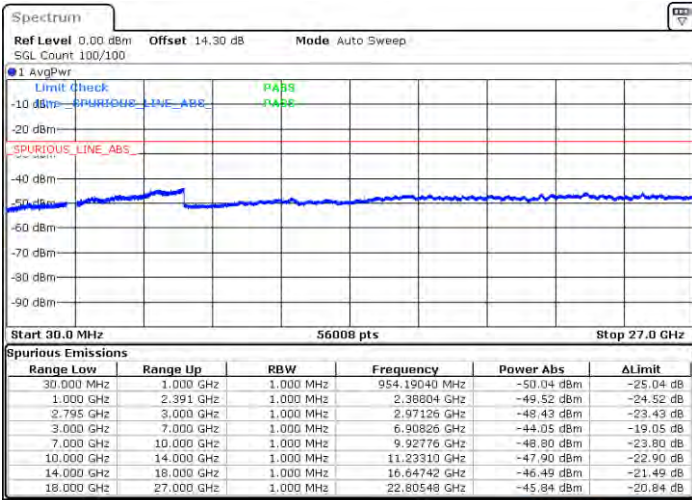
/



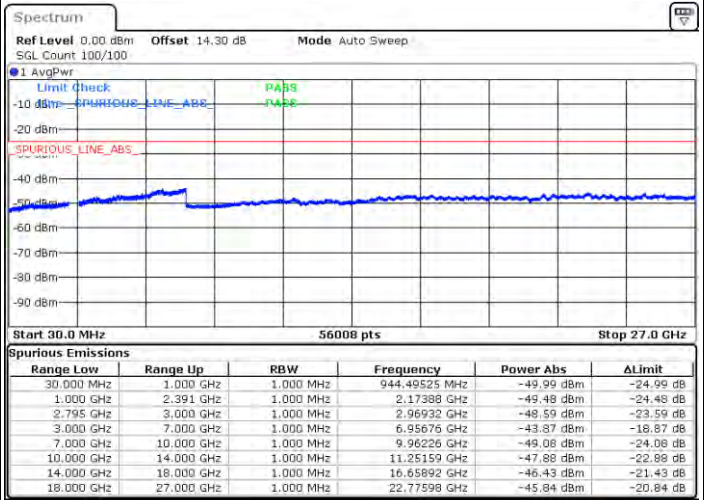
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M2)

Lowest Channel / 1RB

Middle Channel / 1RB

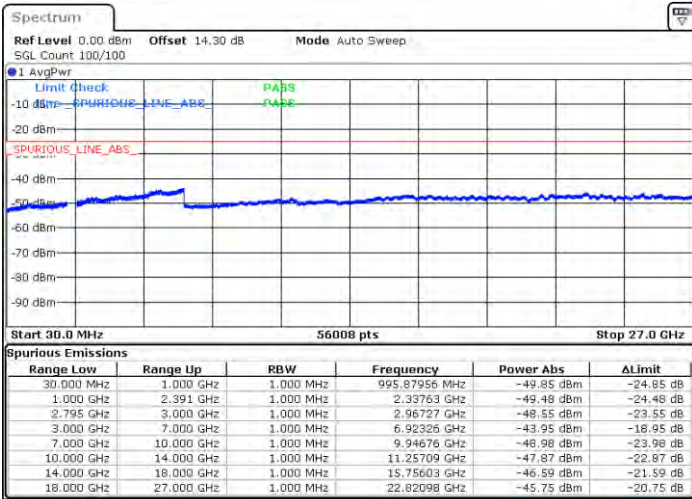


Date: 19, JAN, 2021 20:12:07



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

Highest Channel / 1RB



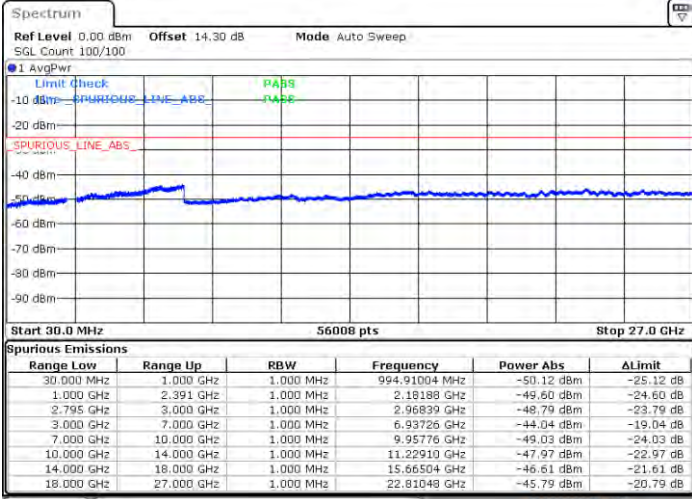
Date: 19, JAN, 2021 20:22:49



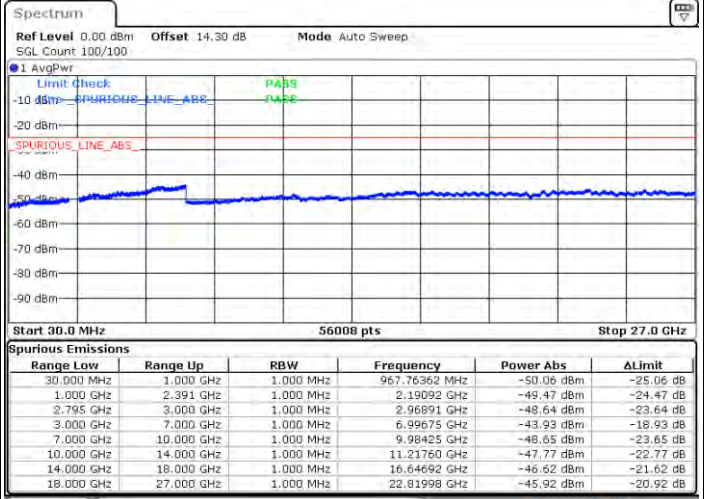
FR1 UL-MIMO n41 / 40MHz / CP-OFDM QPSK (M)

Lowest Channel / 1RB

Middle Channel / 1RB

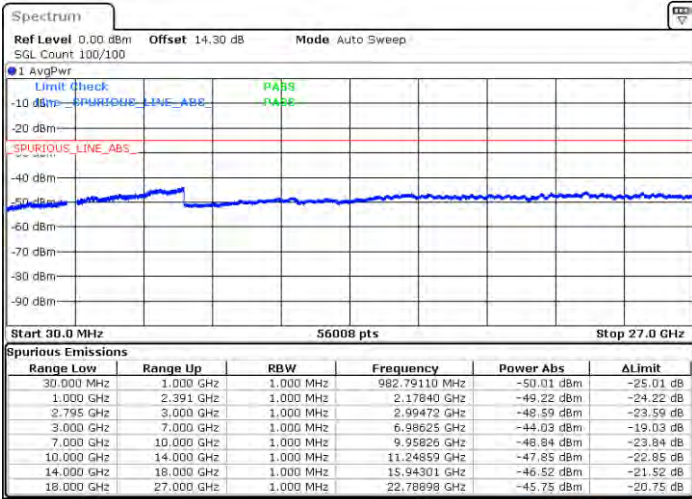


Date: 19, JAN, 2021 22:14:54



Date: 19, JAN, 2021 22:16:16

Highest Channel / 1RB



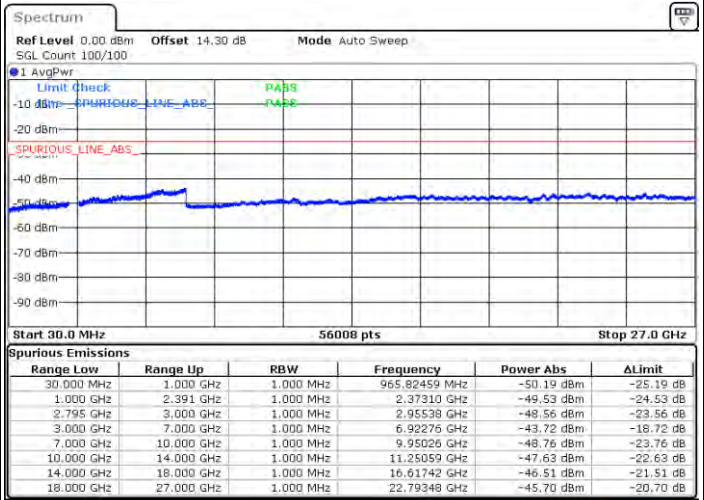
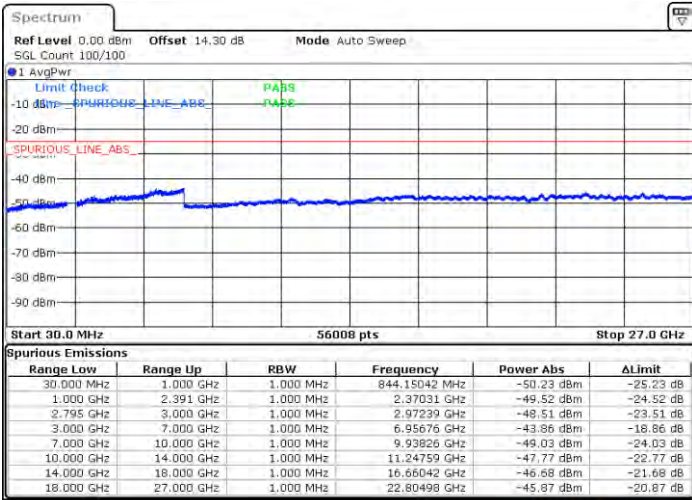
Date: 19, JAN, 2021 22:25:04



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

Lowest Channel / 1RB

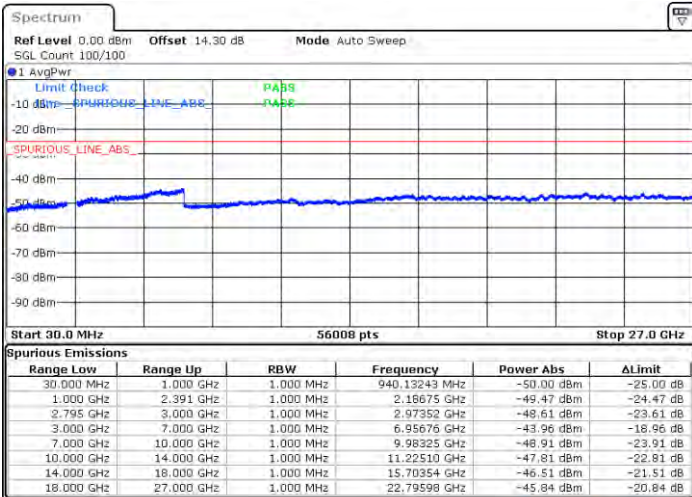
Middle Channel / 1RB



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

Date: 19, JAN, 2021 20:30:59

Highest Channel / 1RB

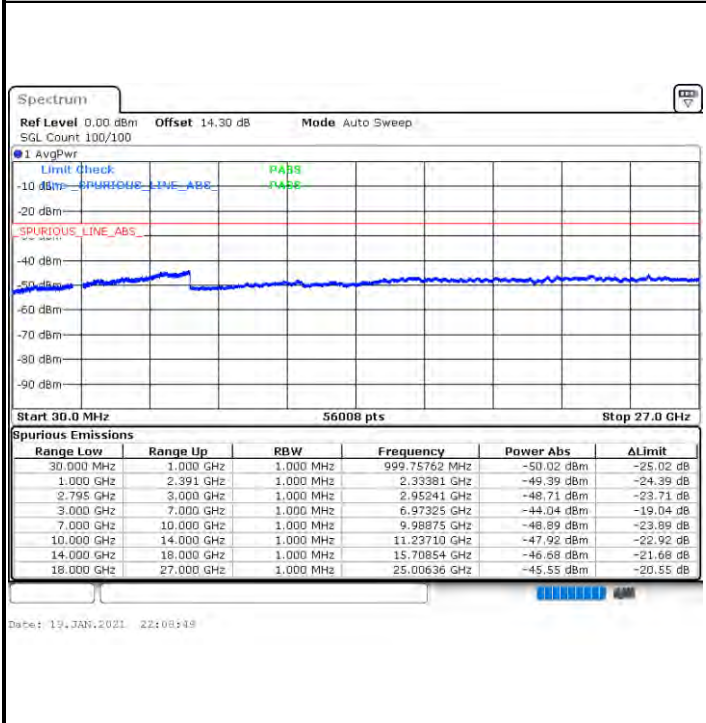


Date: 19, JAN, 2021 20:59:42

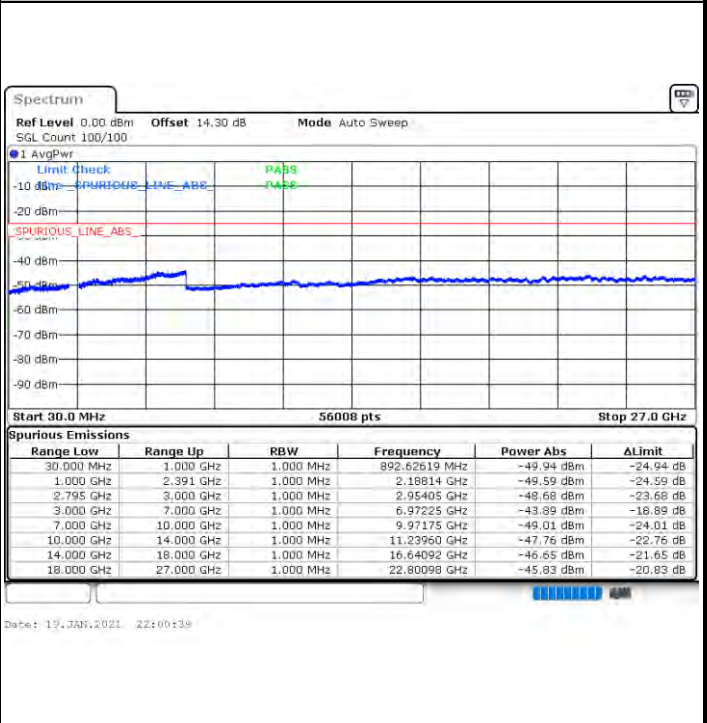


FR1 UL-MIMO n41 / 80MHz / CP-OFDM QPSK (M)

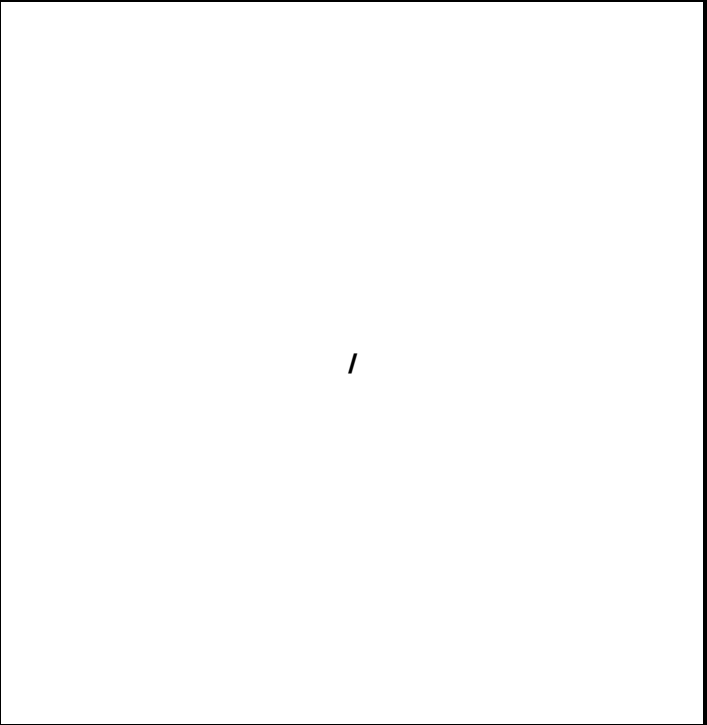
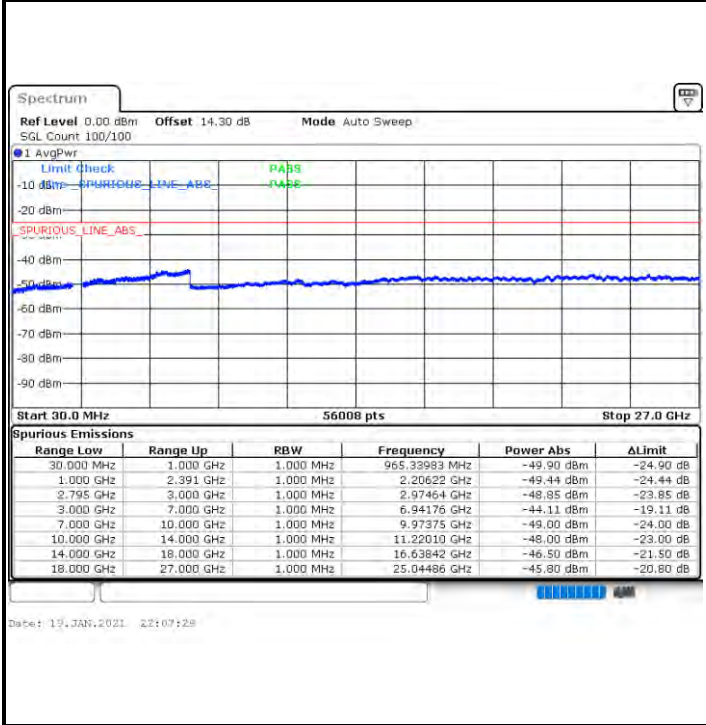
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB





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:

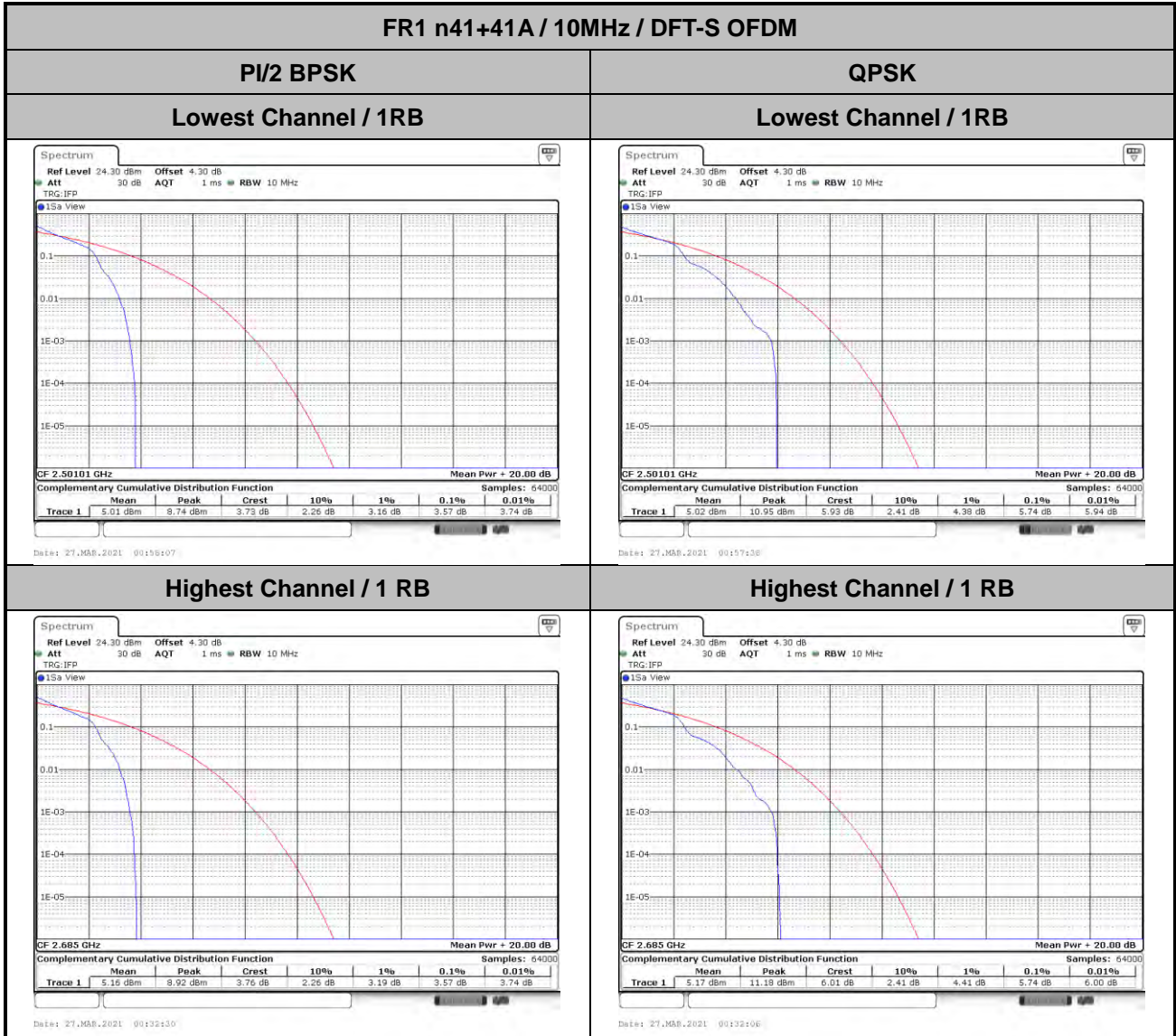
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

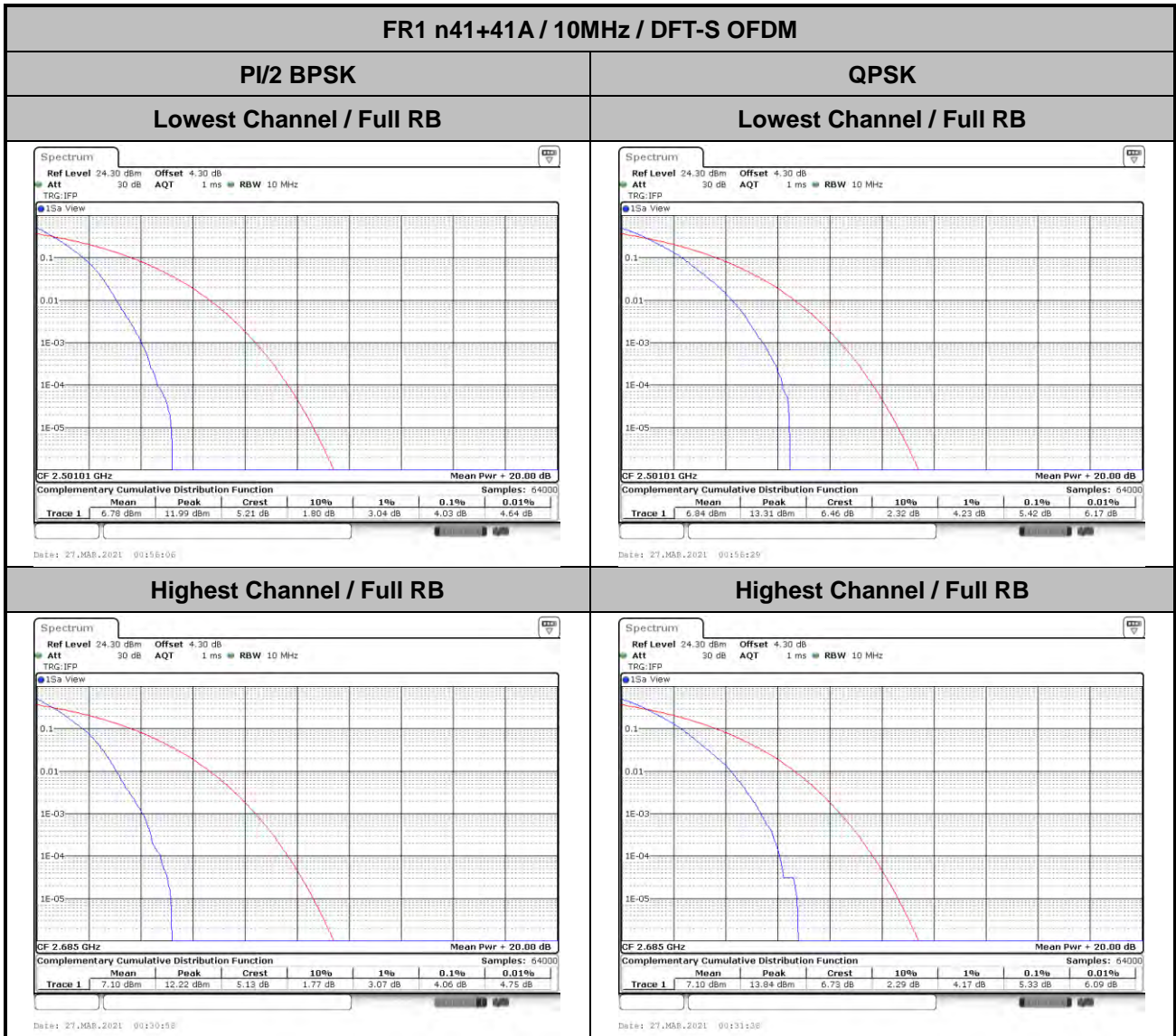


5G NR n41 NSA-SCS 15K

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	







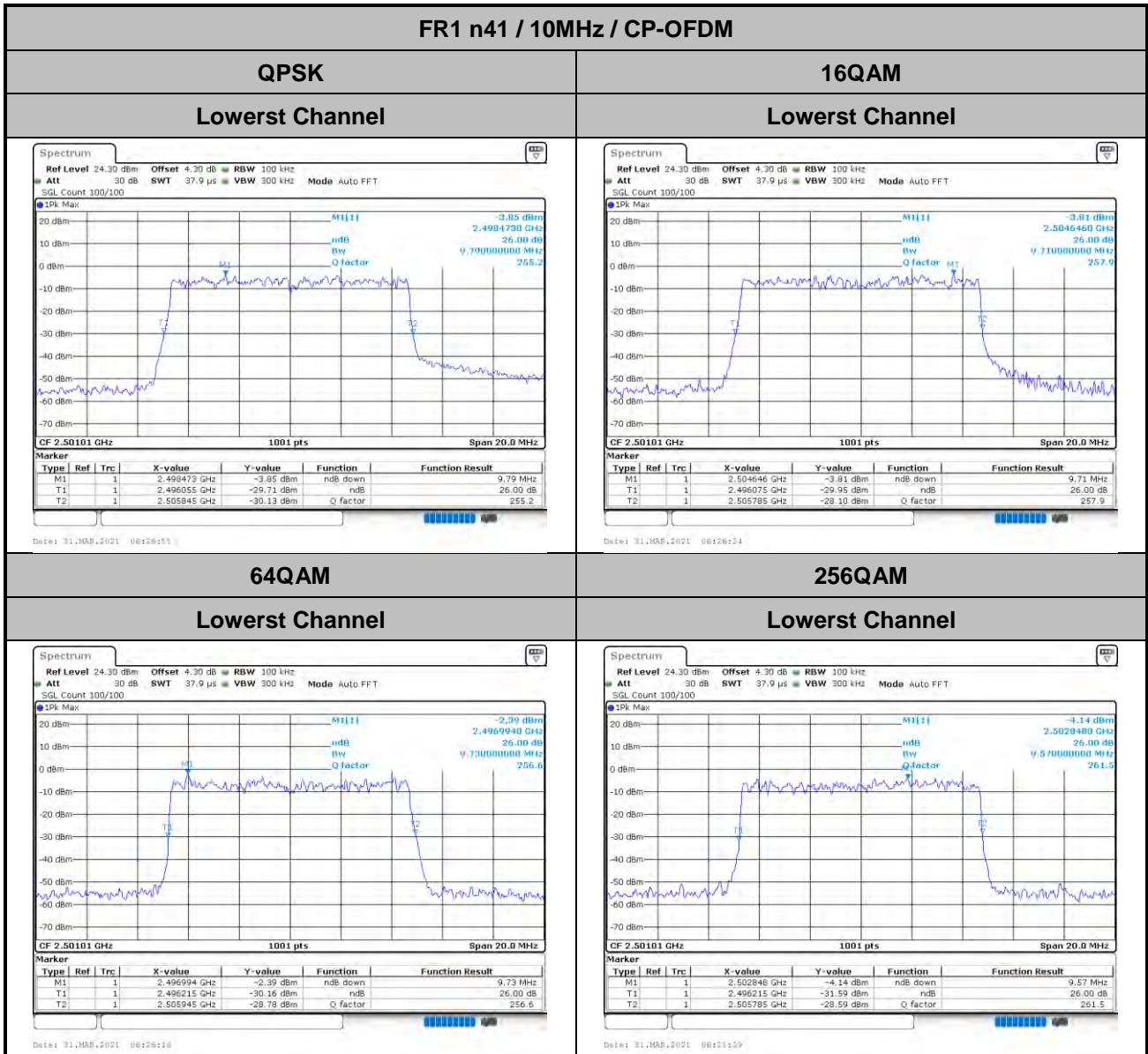
26dB Bandwidth

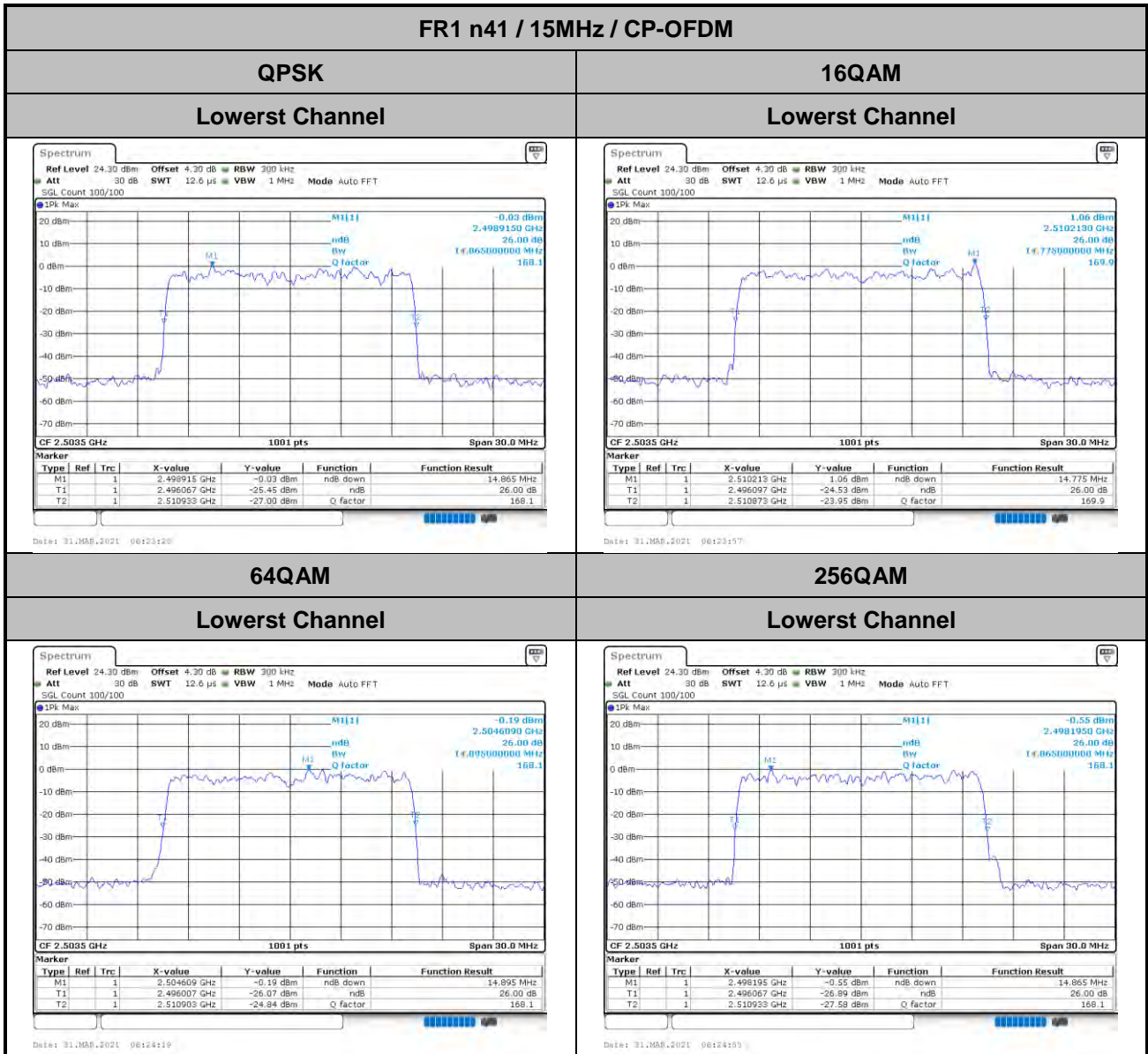
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.79	9.71	9.73	9.57				

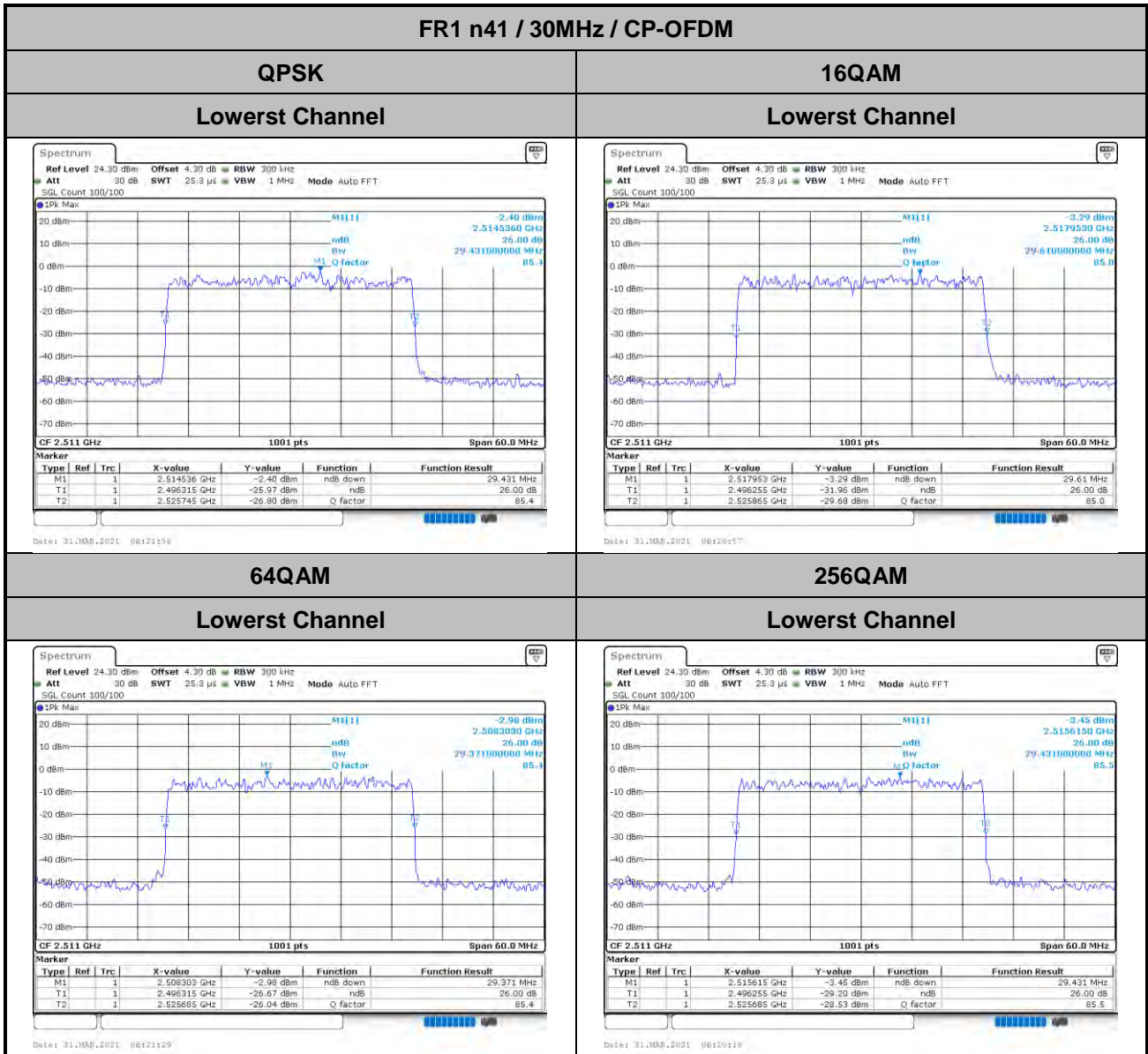
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.87	14.78	14.90	14.87				

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				









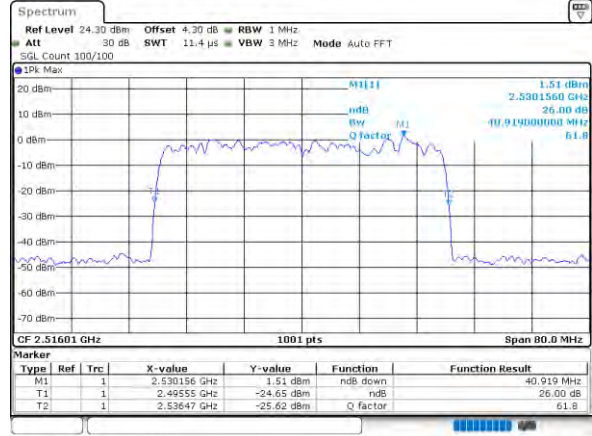
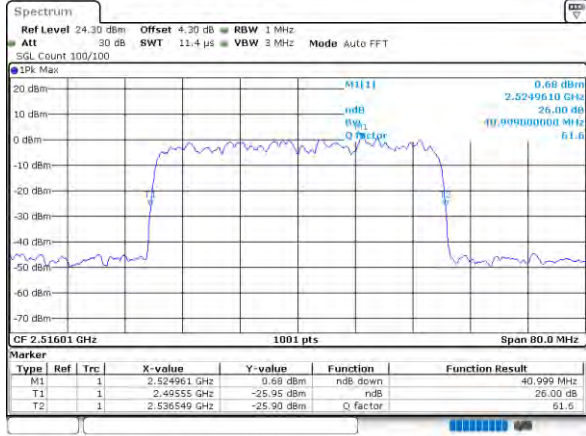
FR1 n41 / 40MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 31.MAR.2021 06:18:20

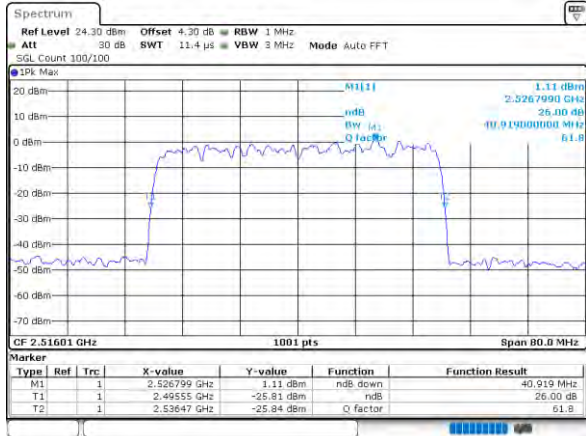
Date: 31.MAR.2021 06:18:51

64QAM

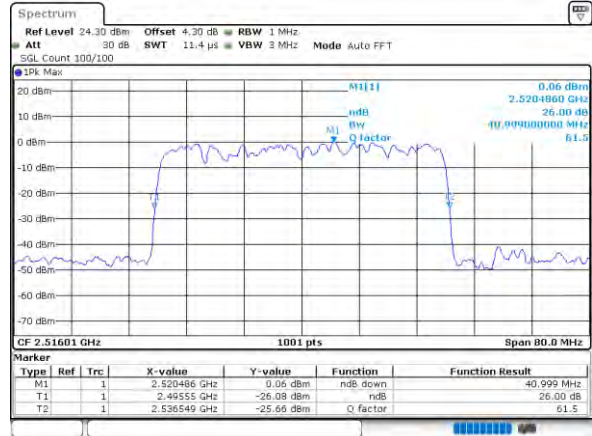
256QAM

Lowerst Channel

Lowerst Channel



Date: 31.MAR.2021 06:19:14



Date: 31.MAR.2021 06:19:29



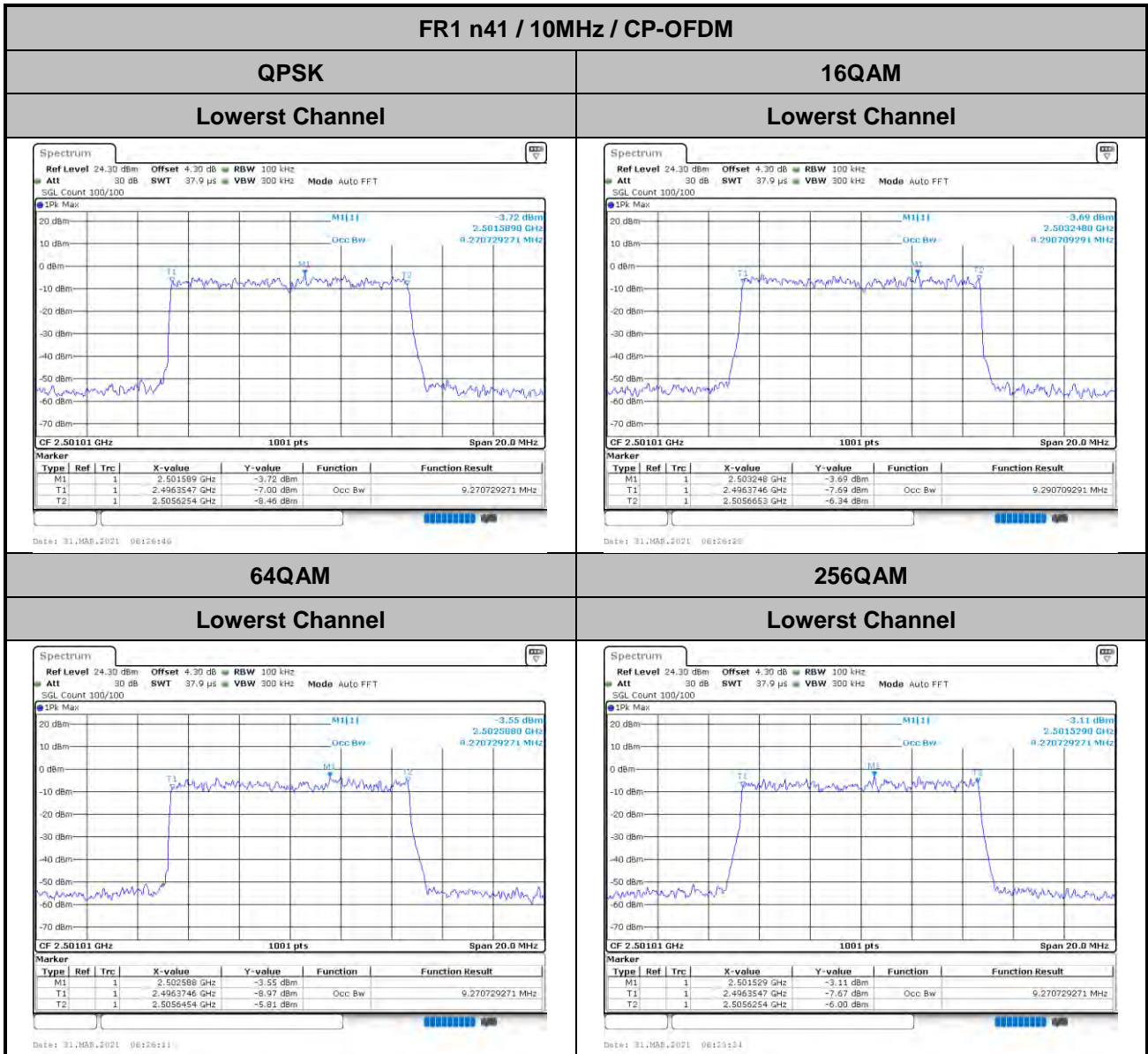
Occupied Bandwidth

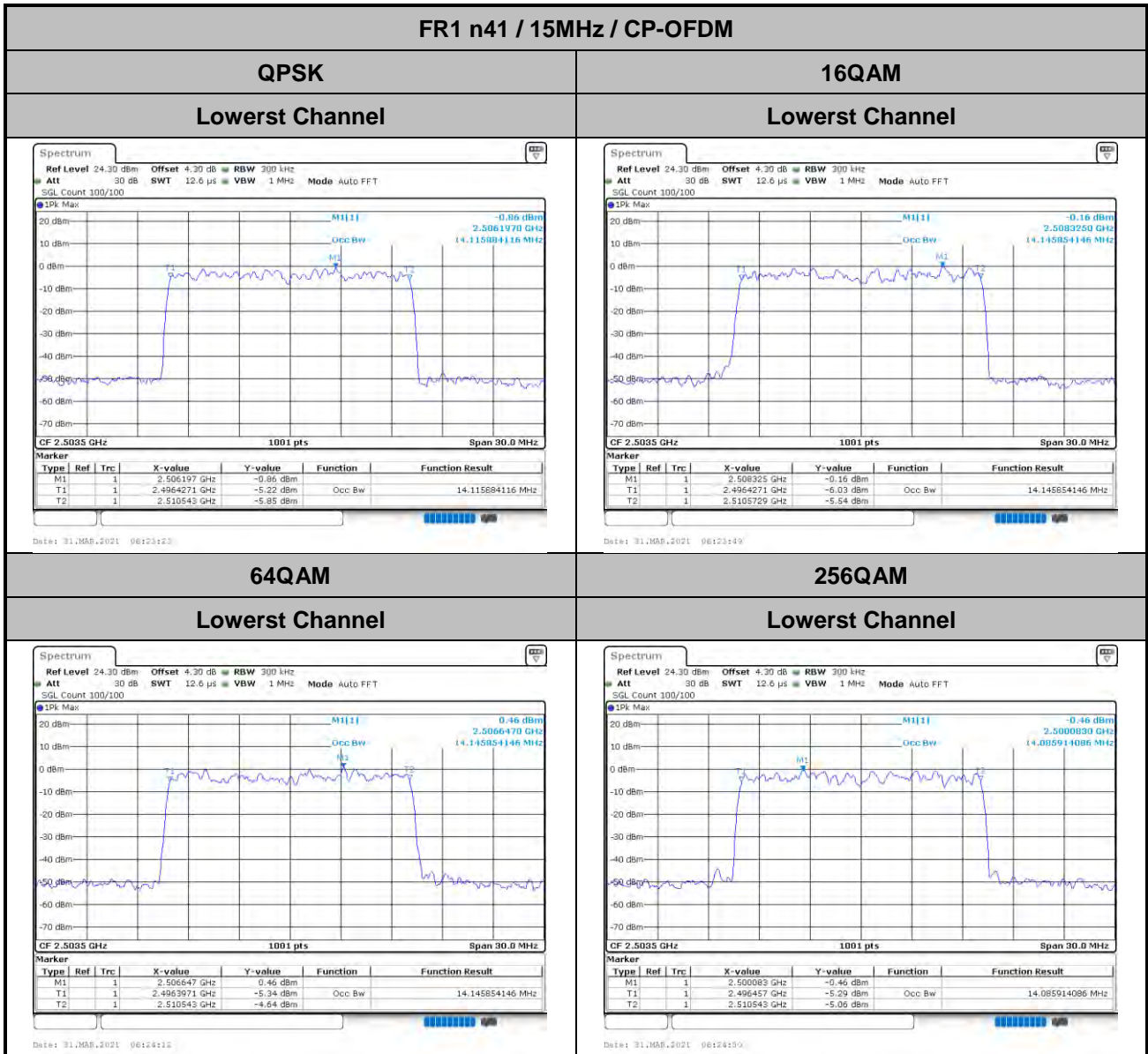
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.27	9.27				

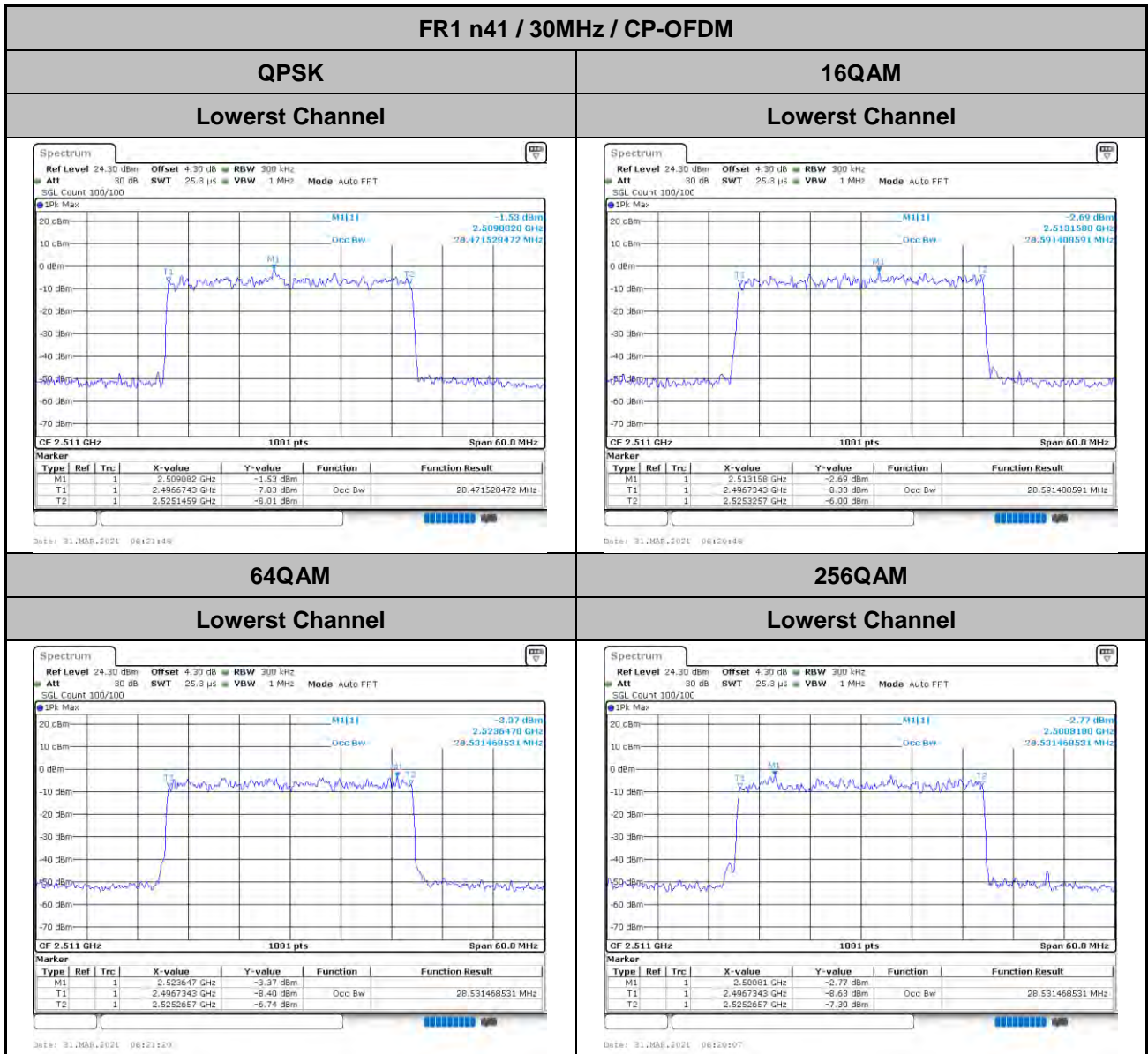
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.12	14.15	14.15	14.09				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.47	28.59	28.53	28.53				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.84	38.84	38.76	38.52				









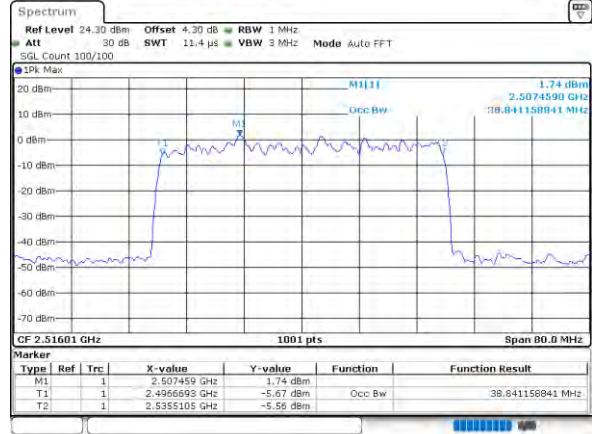
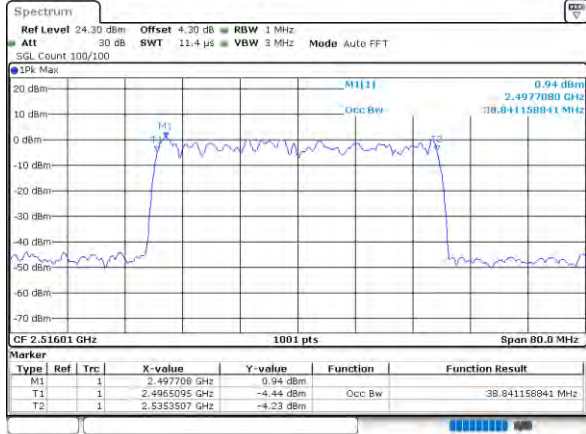
FR1 n41 / 40MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 31.MAR.2021 06:18:23

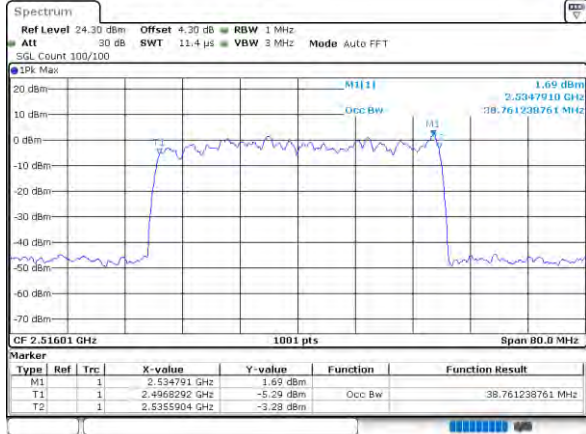
Date: 31.MAR.2021 06:18:46

64QAM

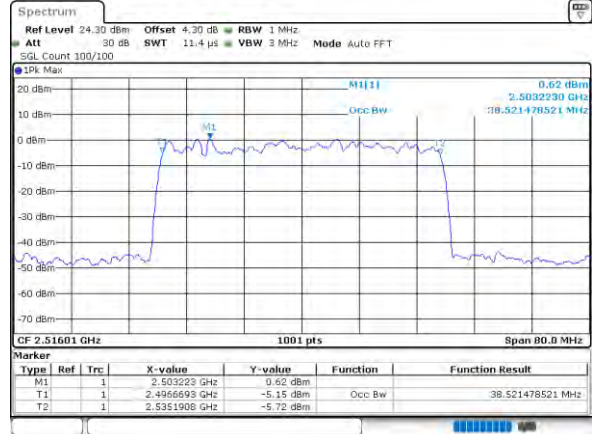
256QAM

Lowerst Channel

Lowerst Channel



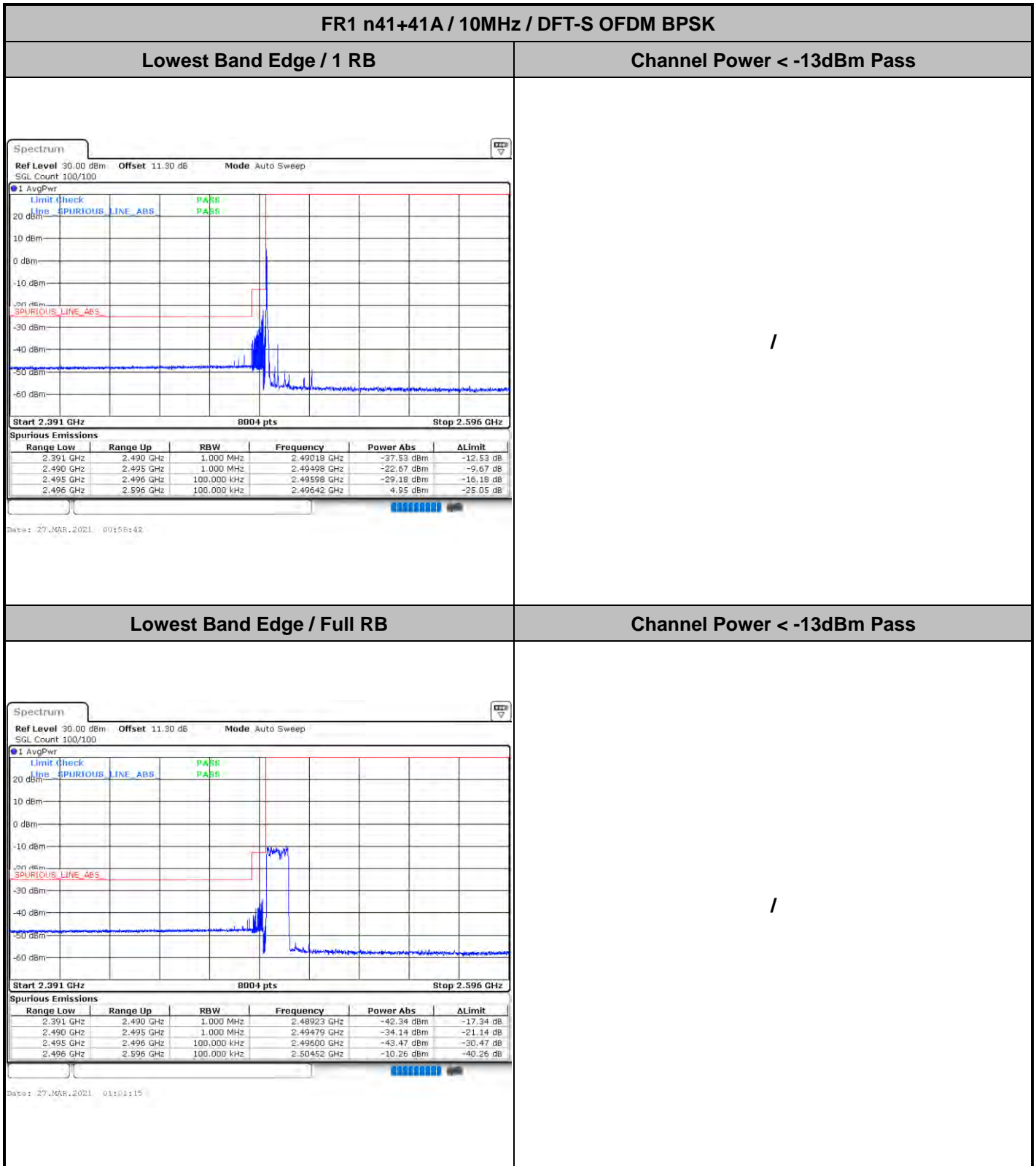
Date: 31.MAR.2021 06:19:09



Date: 31.MAR.2021 06:19:23

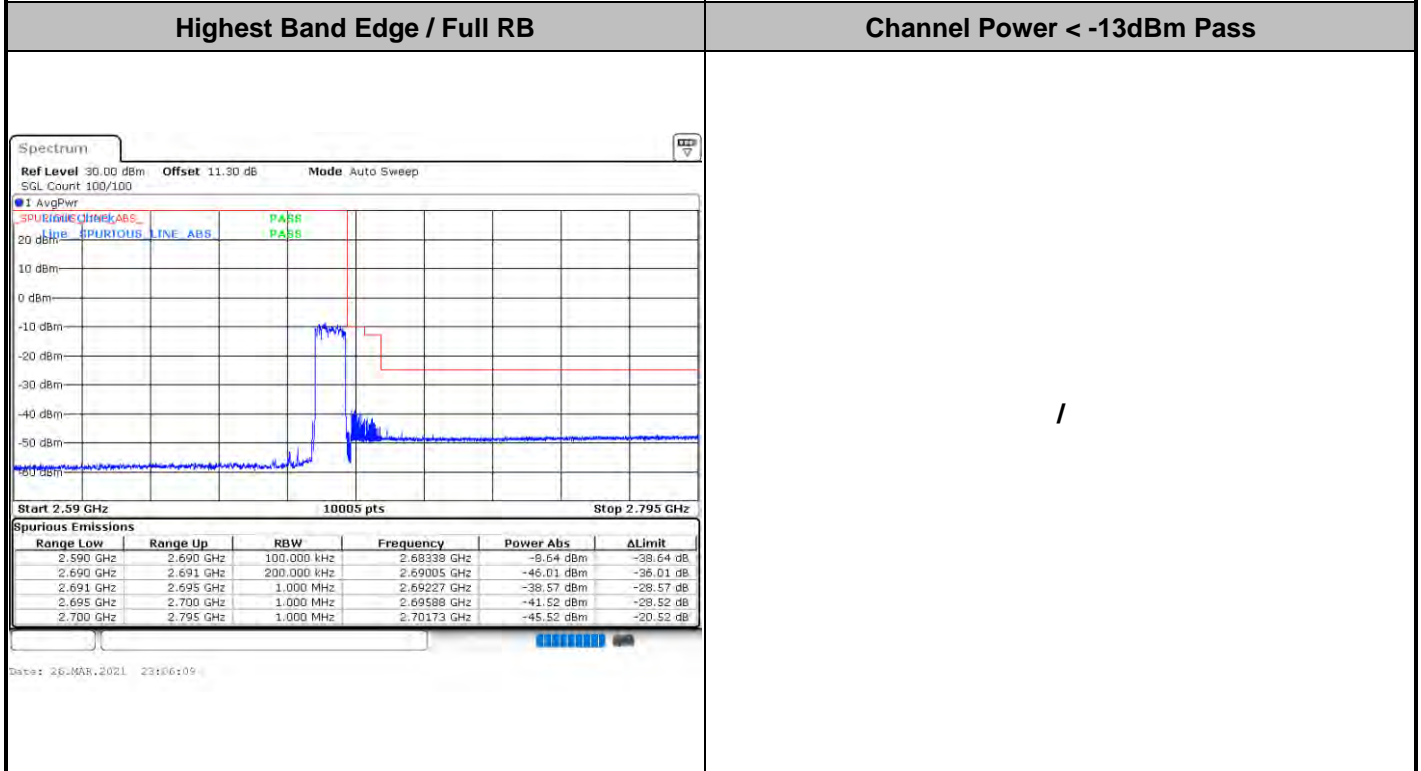
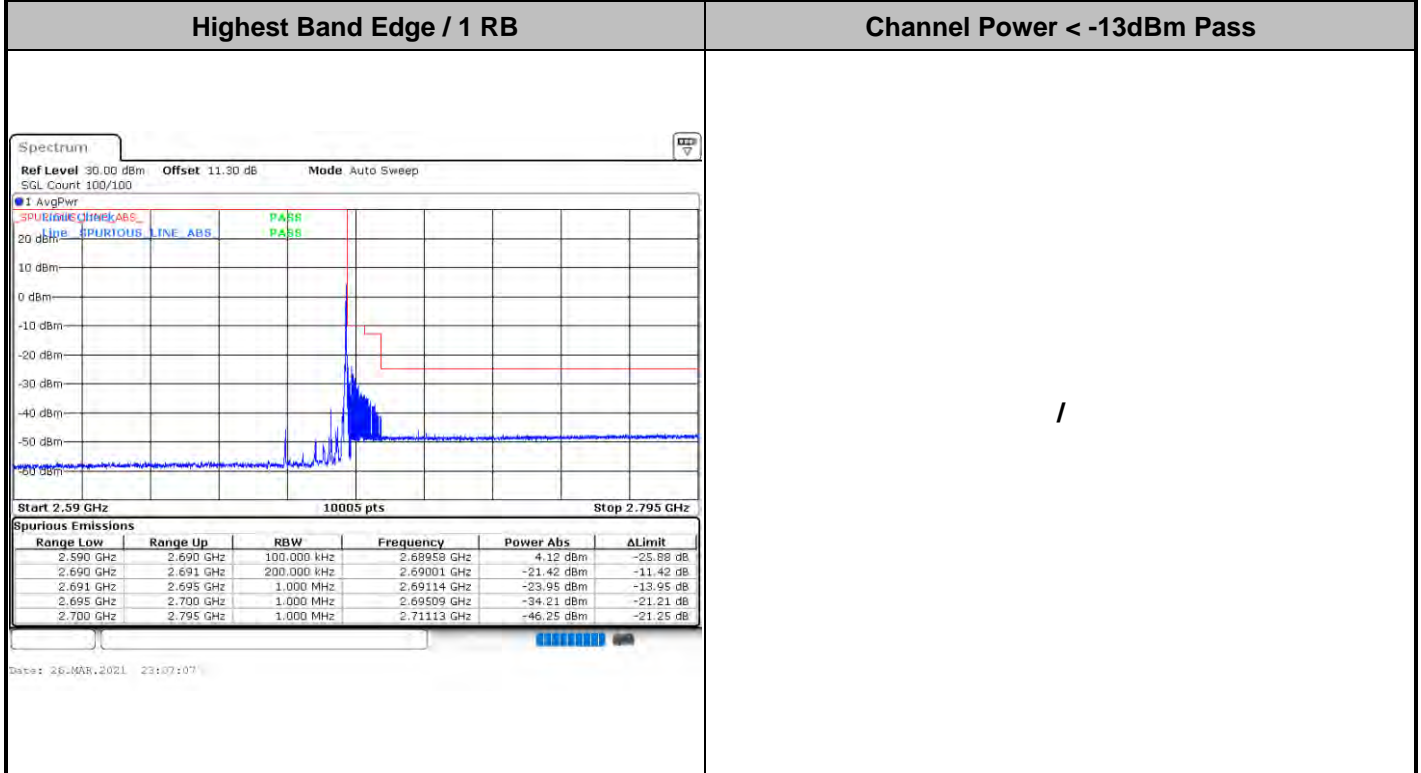


Conducted Band Edge





FR1 n41+41A / 10MHz / DFT-S OFDM BPSK

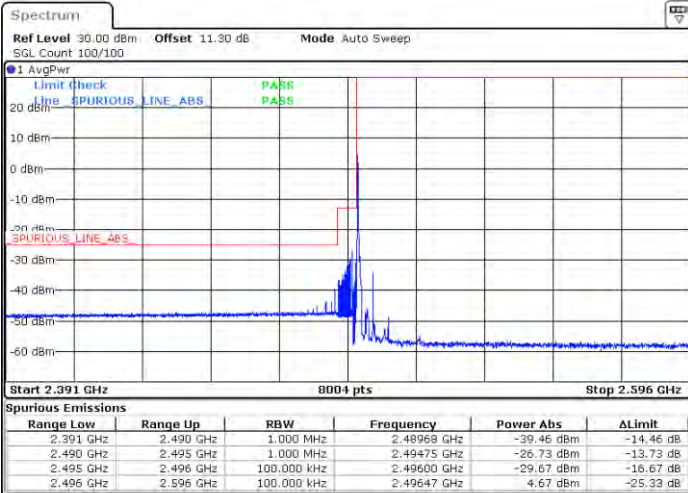




FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

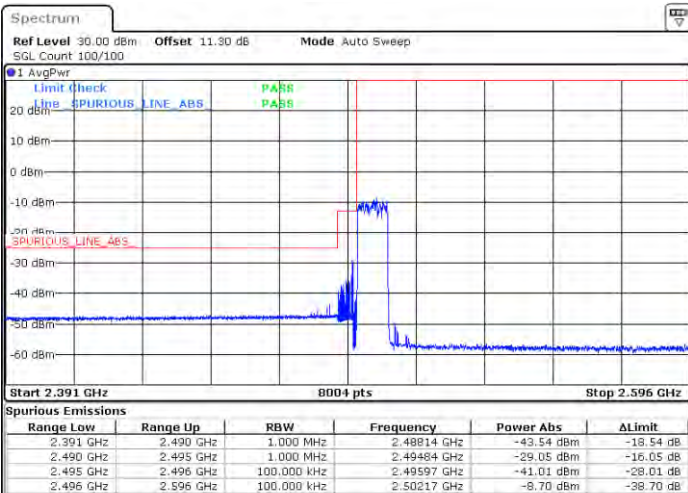
Channel Power < -13dBm Pass



Date: 27.MAR.2021 01:00:21

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



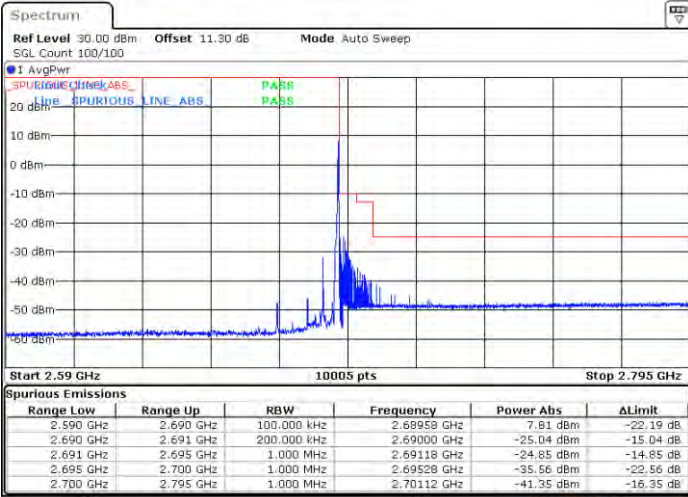
Date: 27.MAR.2021 01:00:56



FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

Channel Power < -13dBm Pass

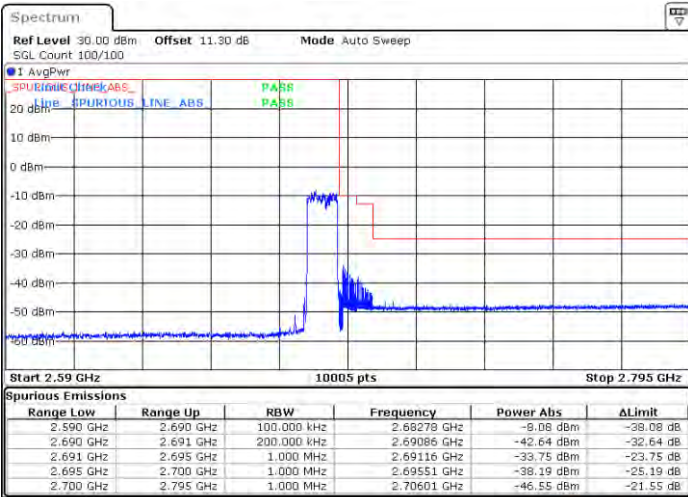


/

Date: 26-MAR-2021 23:06:53

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



/

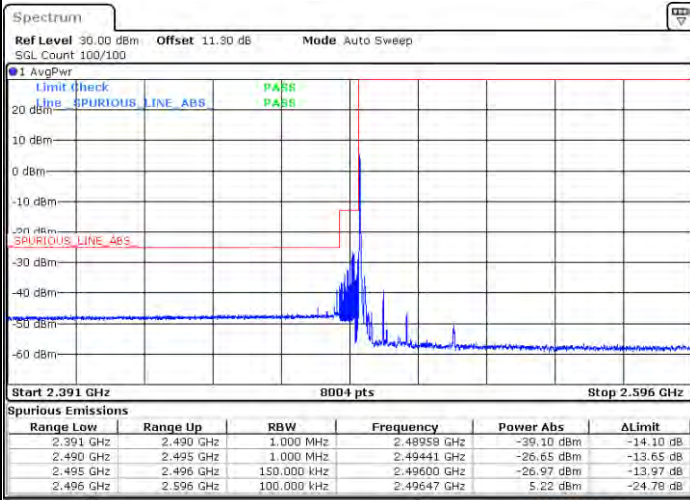
Date: 26-MAR-2021 23:06:34



FR1 n41+41A / 15MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

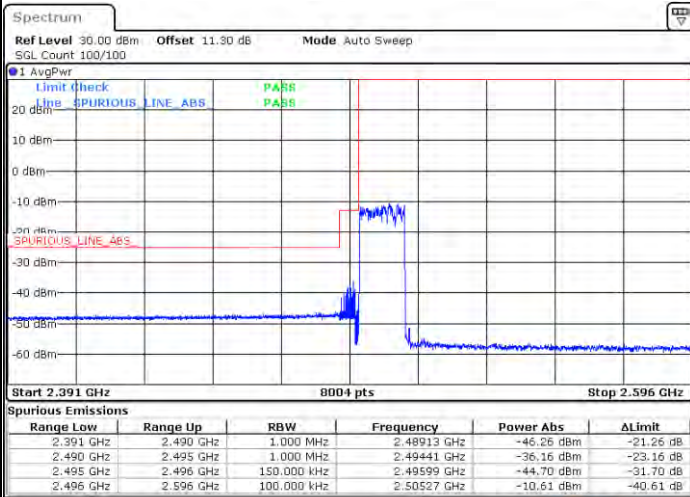
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



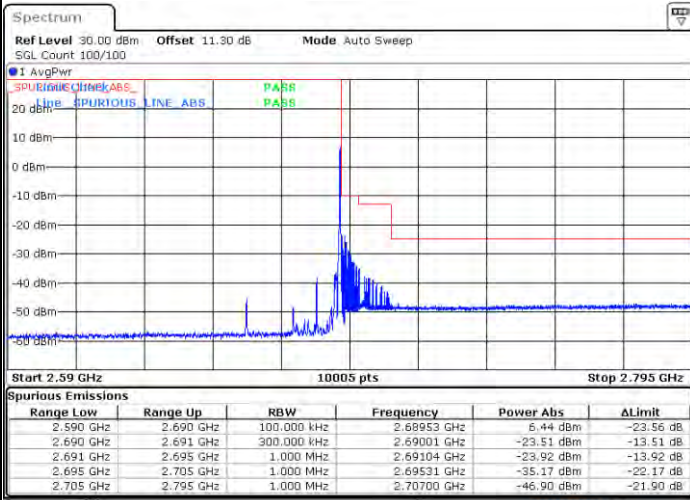
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FR1 n41+41A / 15MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

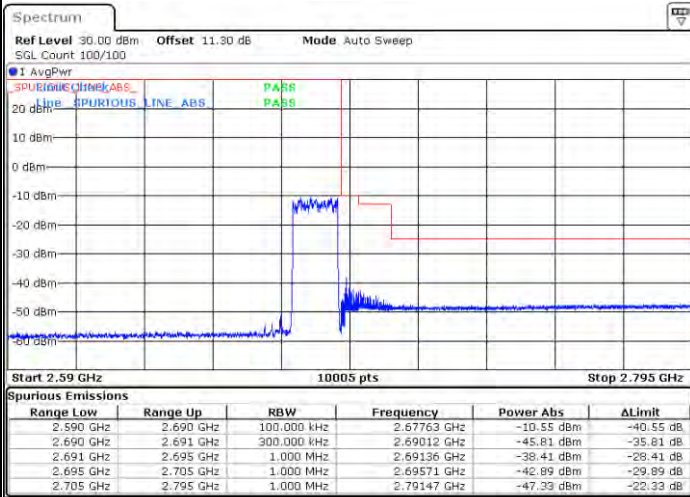
Channel Power < -13dBm Pass



Date: 27_MAR_2021 09:36:22

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



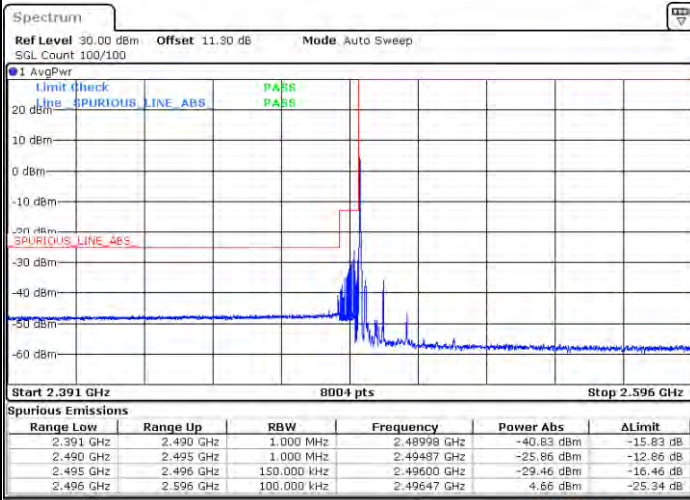
Date: 27_MAR_2021 09:39:43



FR1 n41+41A / 15MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

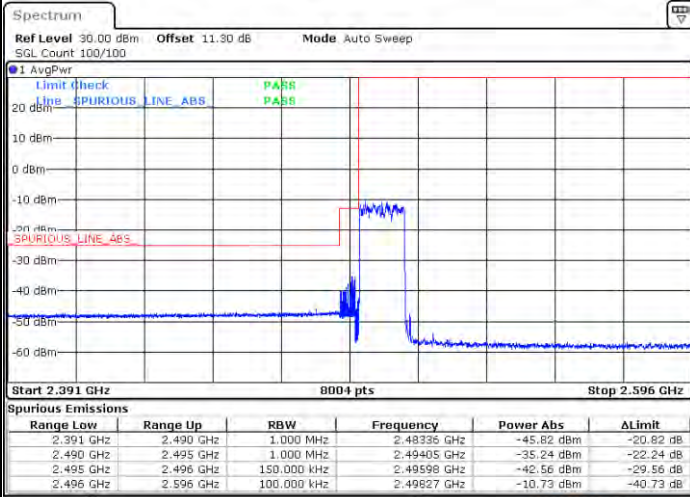
Channel Power < -13dBm Pass



Date: 27_MAR_2021 00:53:52

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



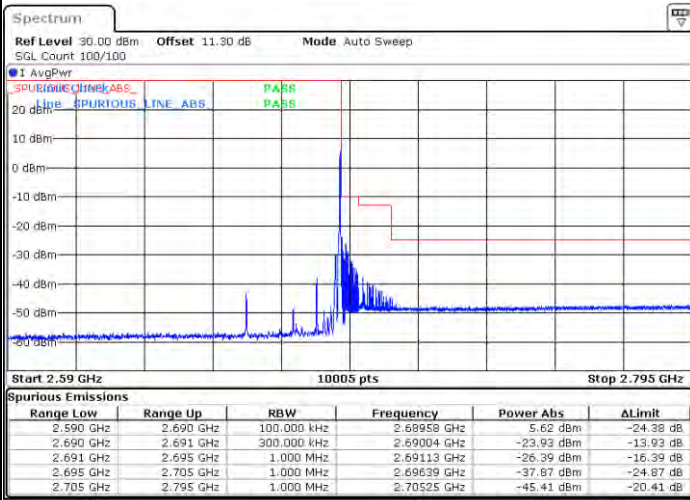
Date: 27_MAR_2021 00:50:18



FR1 n41+41A / 15MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

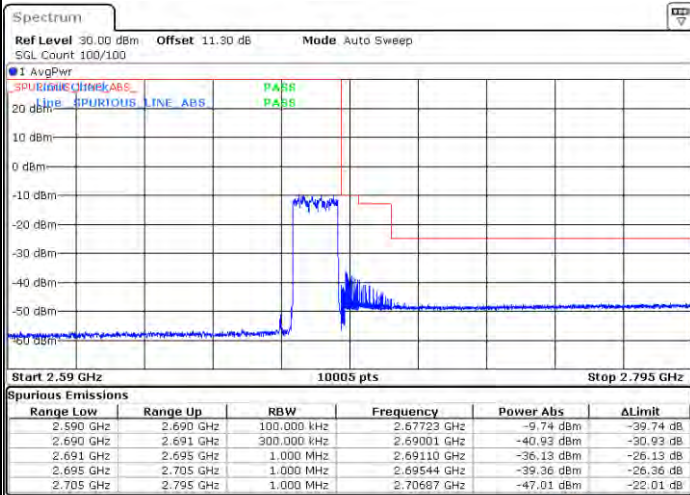
Channel Power < -13dBm Pass



Date: 27_MAR_2021 00:26:16

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



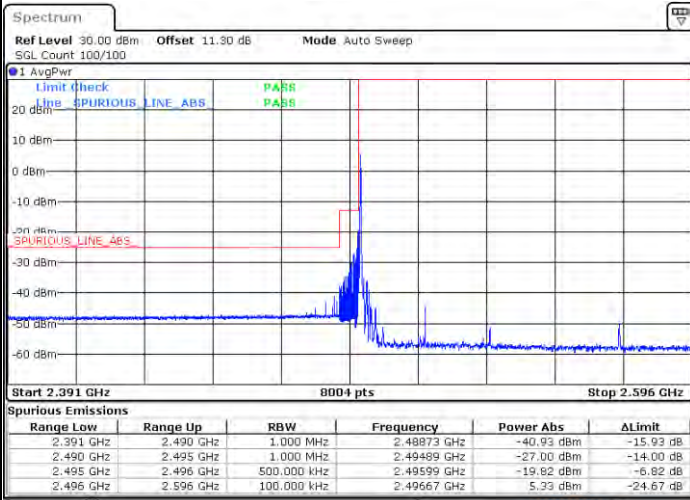
Date: 27_MAR_2021 00:26:44



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

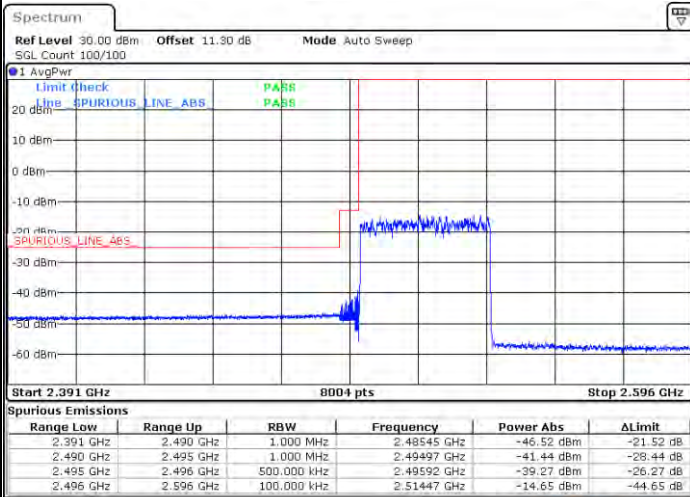
Channel Power < -13dBm Pass



Date: 27_MAR_2021 00:48:24

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



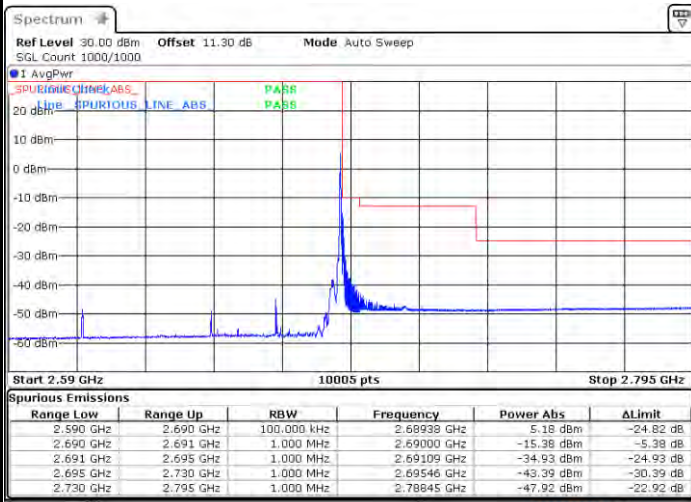
Date: 27_MAR_2021 00:48:08



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

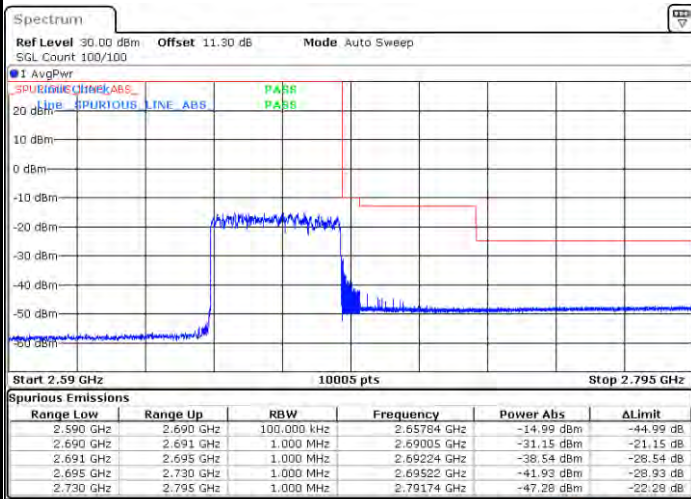
Channel Power < -13dBm Pass



Date: 27_MAR_2021 00:40:54

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



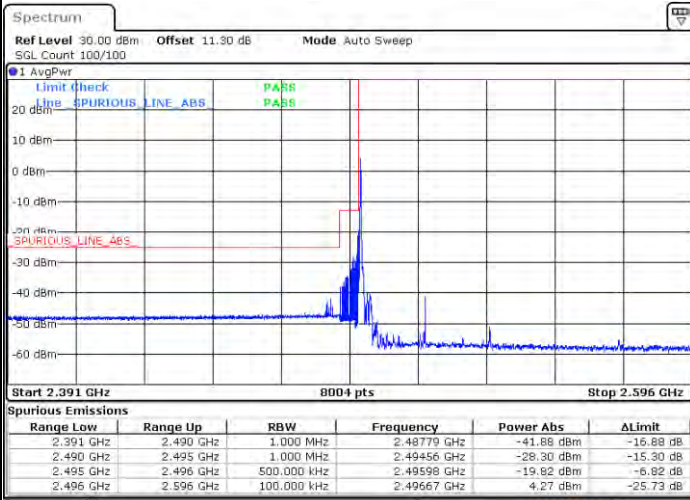
Date: 27_MAR_2021 00:40:00



FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

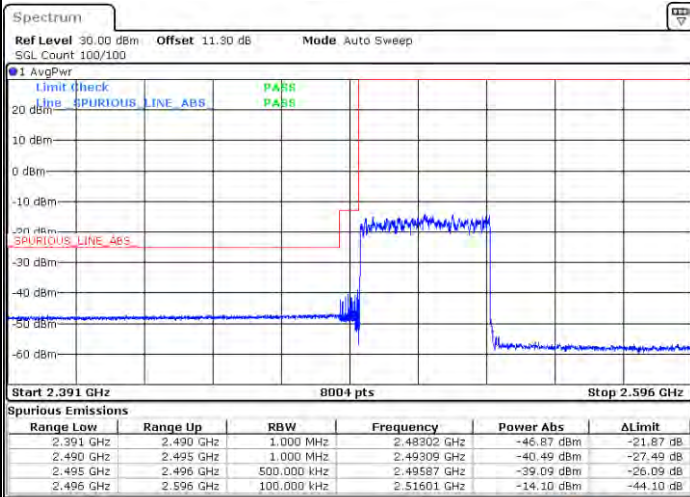
Channel Power < -13dBm Pass



Date: 27_MAR_2021 00:48:36

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



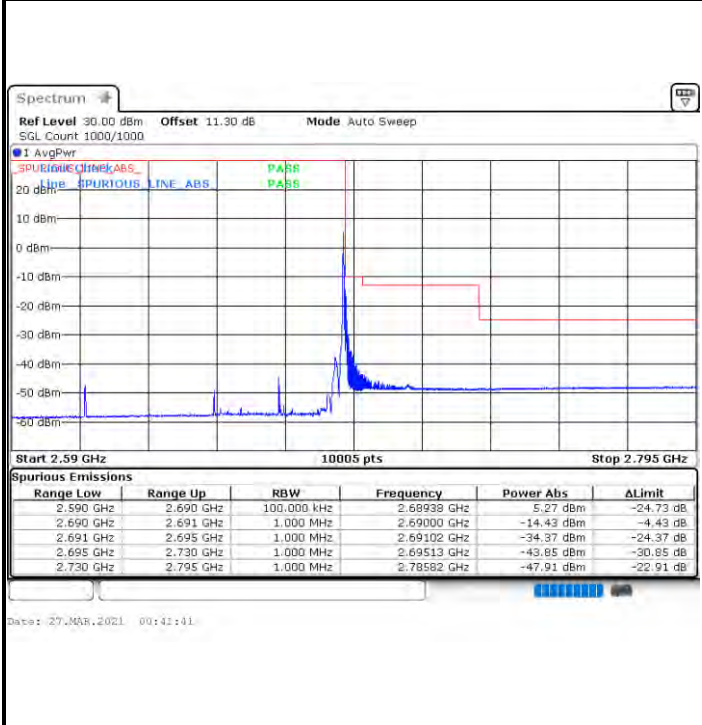
Date: 27_MAR_2021 00:46:34



FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

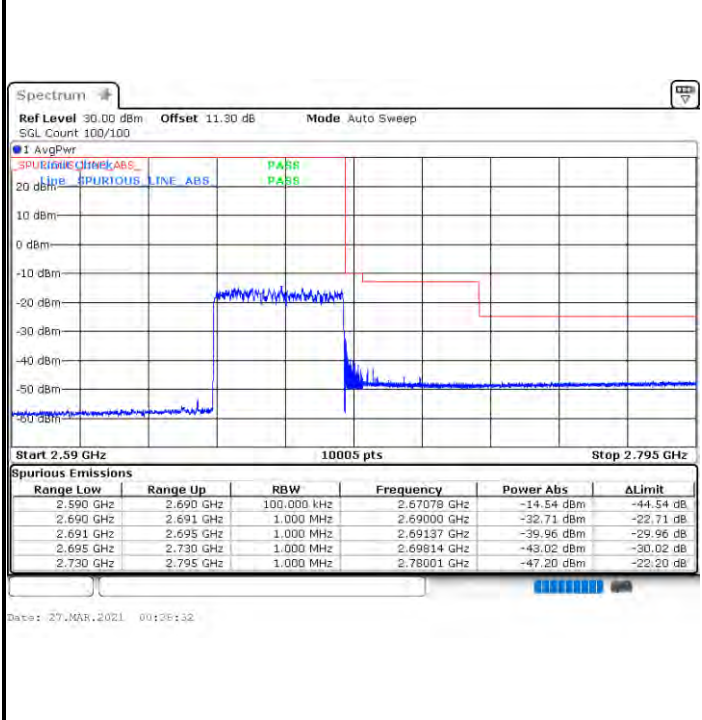
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



/

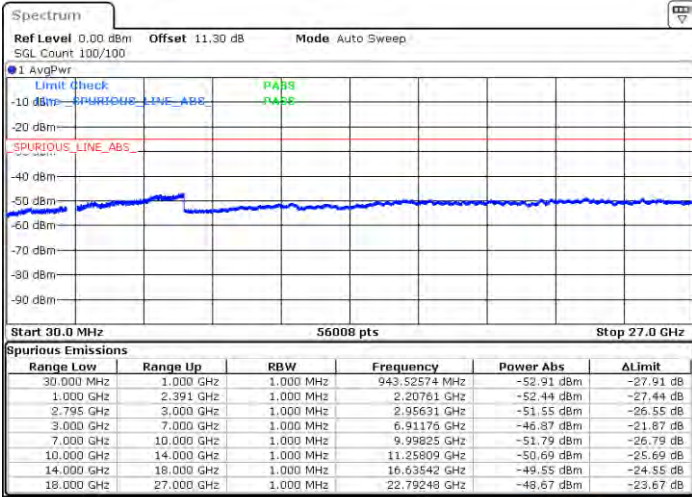


Conducted Spurious Emission

FR1 n41+41A / 10MHz / DFT-S OFDM / BPSK

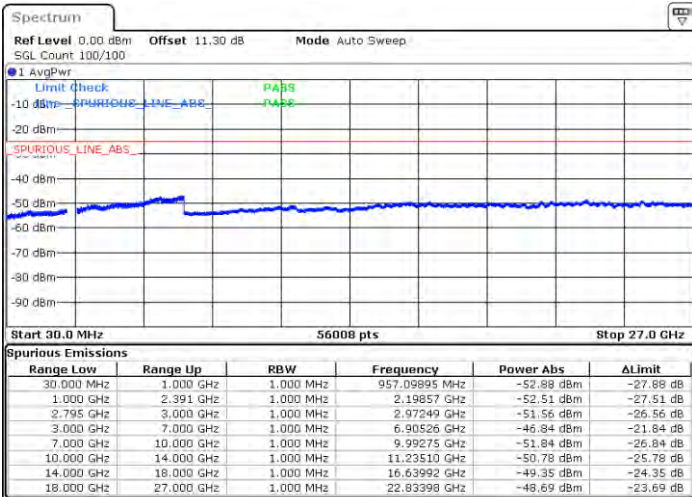
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 23:16:10

Highest Channel / 1RB



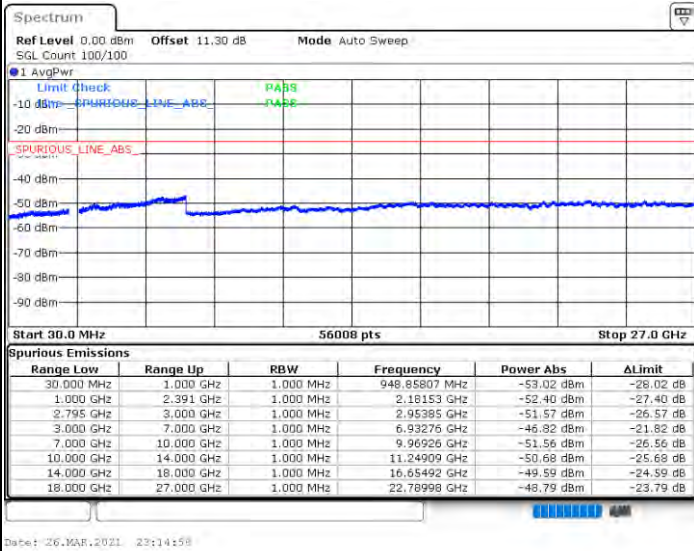
Date: 26.MAR.2021 23:11:48



FR1 n41+41A / 10MHz / DFT-S OFDM / QPSK

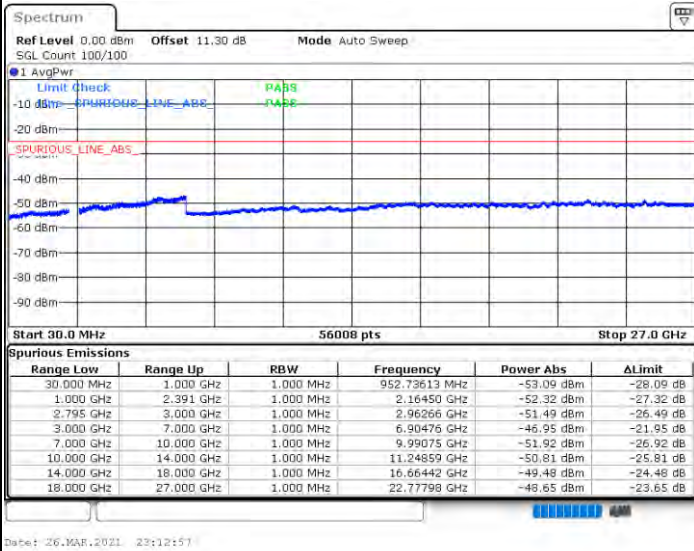
Lowest Channel / 1RB

Middle Channel / 1RB



/

Highest Channel / 1RB

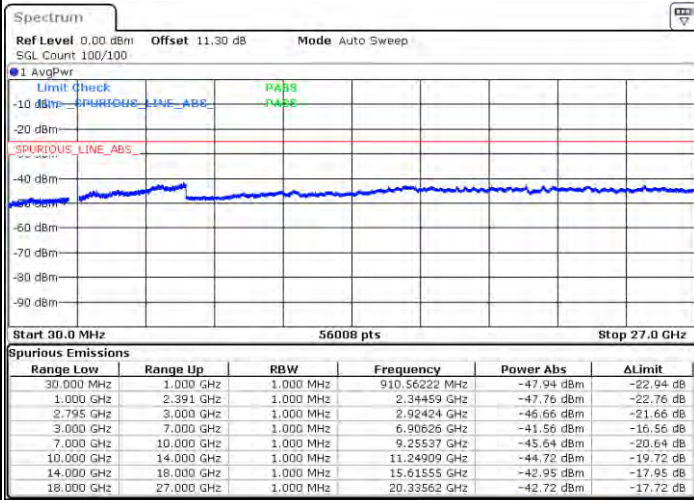




FR1 n41+41A / 15MHz / DFT-S OFDM / BPSK

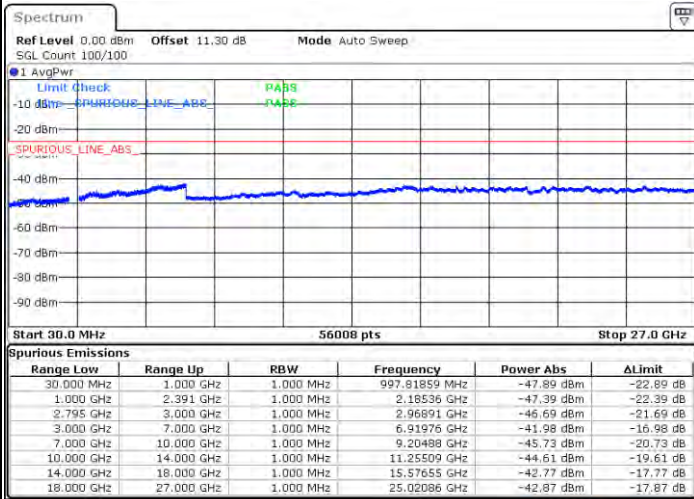
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 23:17:21

Highest Channel / 1RB



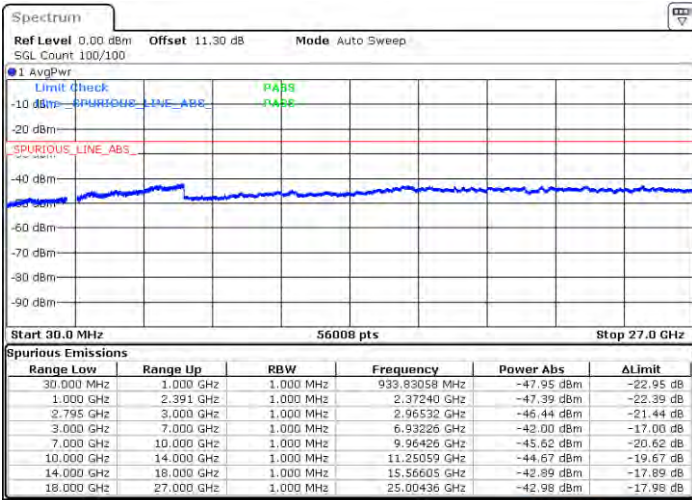
Date: 26.MAR.2021 23:20:20



FR1 n41+41A / 40MHz / DFT-S OFDM / QPSK

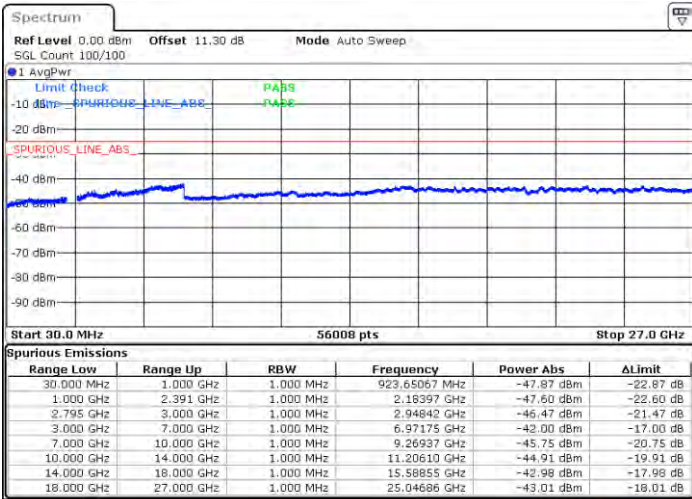
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 23:18:18

Highest Channel / 1RB

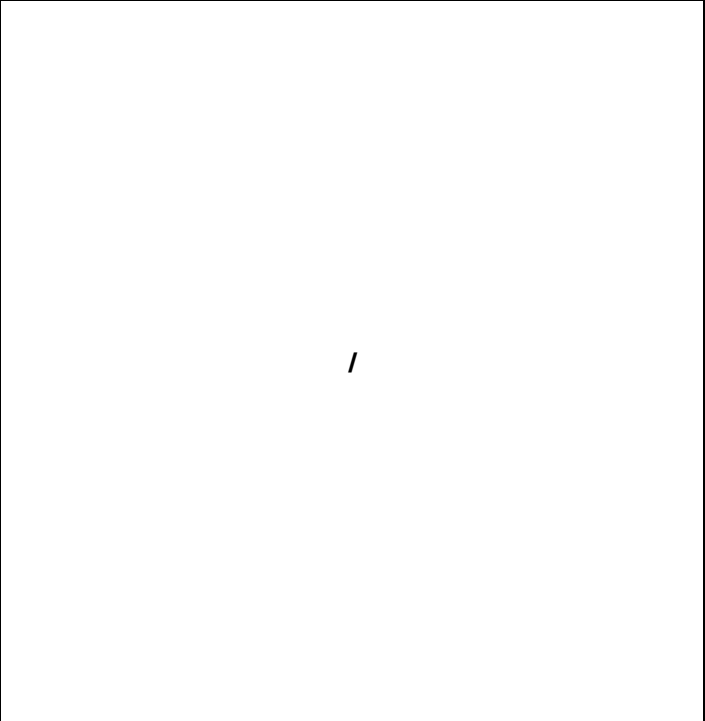
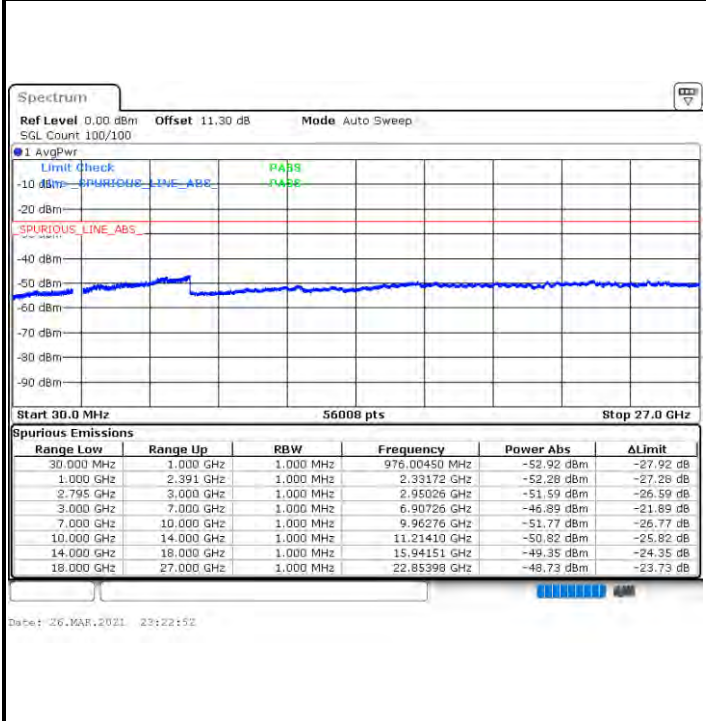


Date: 26.MAR.2021 23:19:18

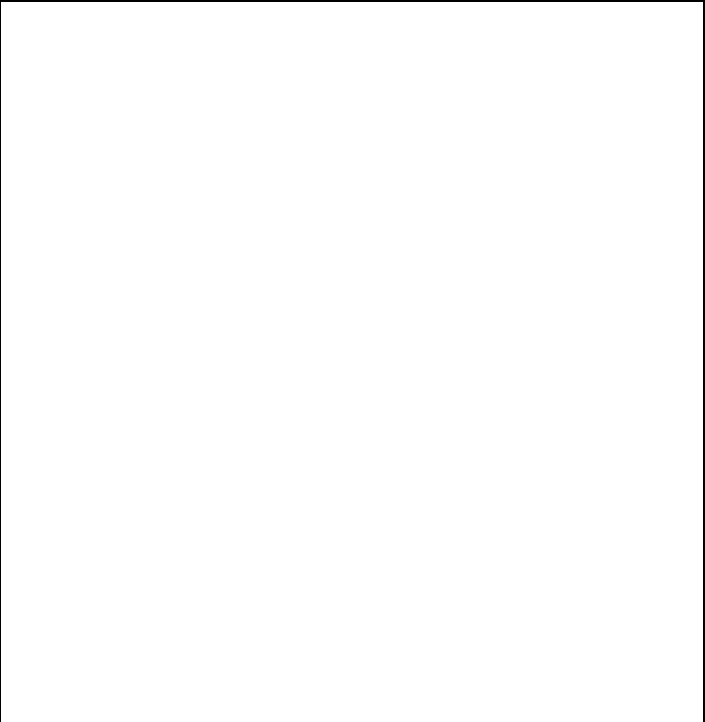
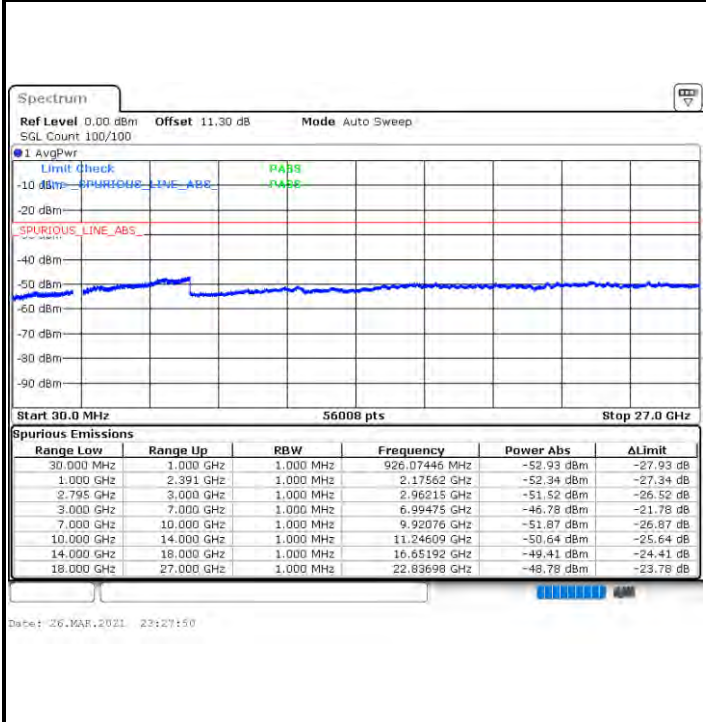


FR1 n41+41A / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB	Middle Channel / 1RB
-----------------------------	-----------------------------



Highest Channel / 1RB

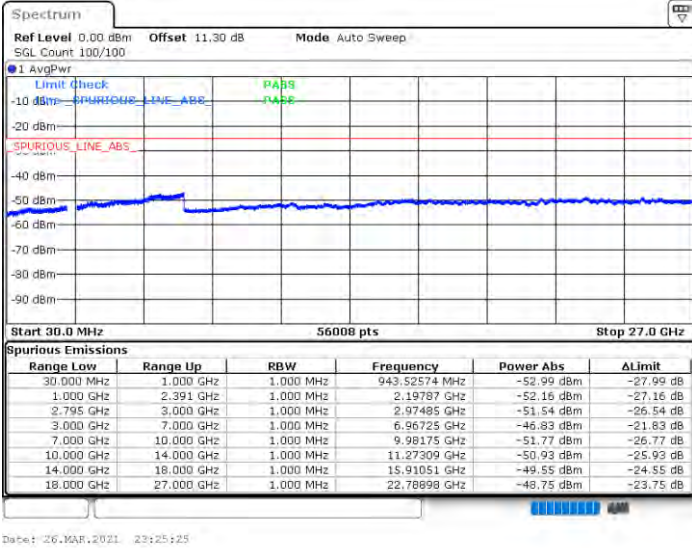




FR1 n41+41A / 80MHz / DFT-S OFDM / QPSK

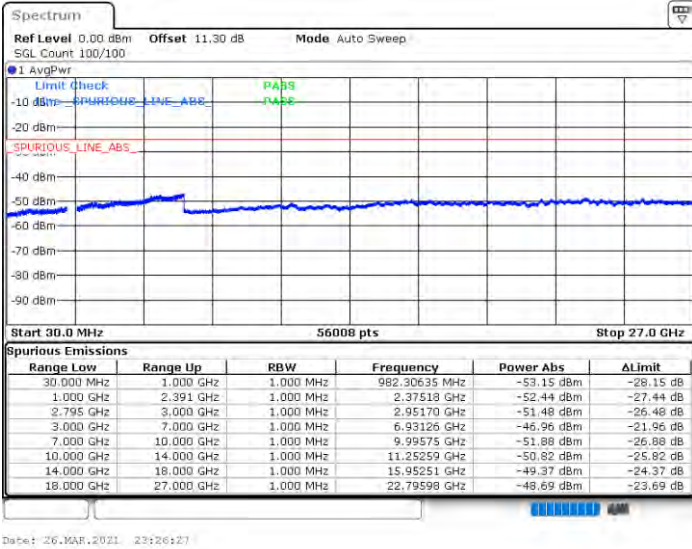
Lowest Channel / 1RB

Middle Channel / 1RB



/

Highest Channel / 1RB





Frequency Stability

Test Conditions		NR n41+41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0003	

Note:

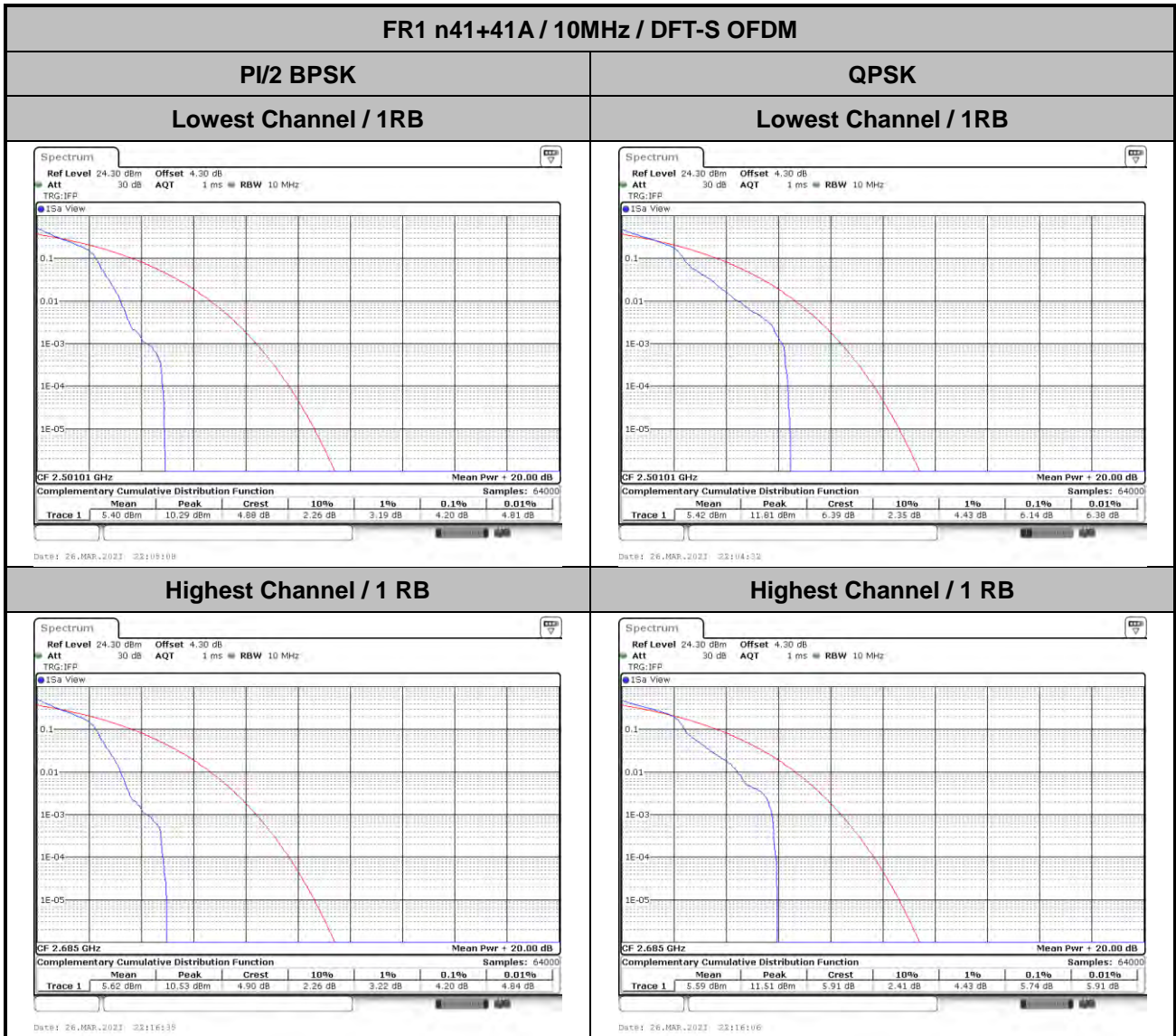
1. Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.14 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

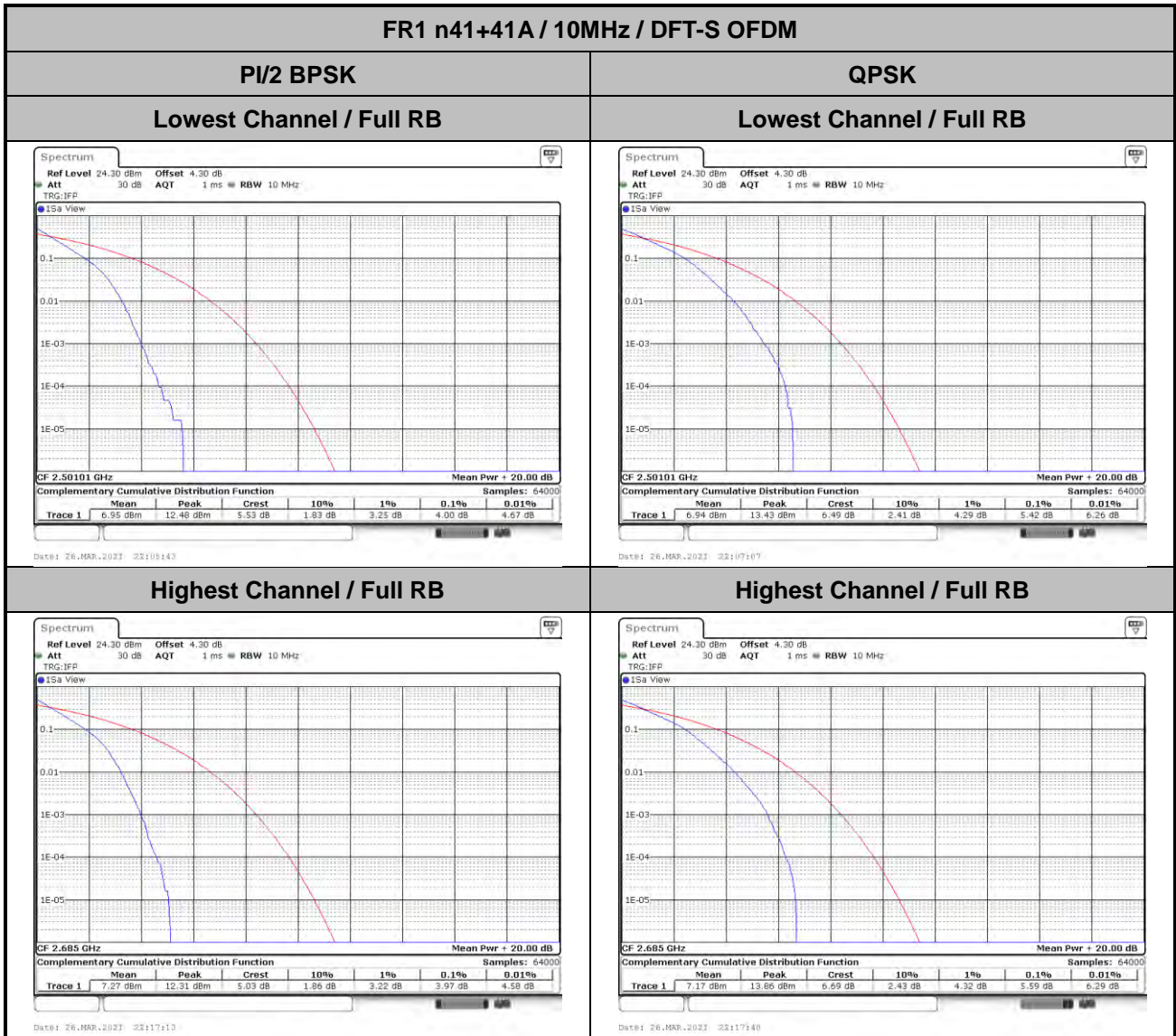


5G NR n41 NSA-SCS 30K

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	4.20	4.00	6.14	5.42	PASS
Middle CH	-	-	-	-	
Highest CH	4.20	3.97	5.74	5.59	







26dB Bandwidth

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	9.27	9.29	9.37	9.13				

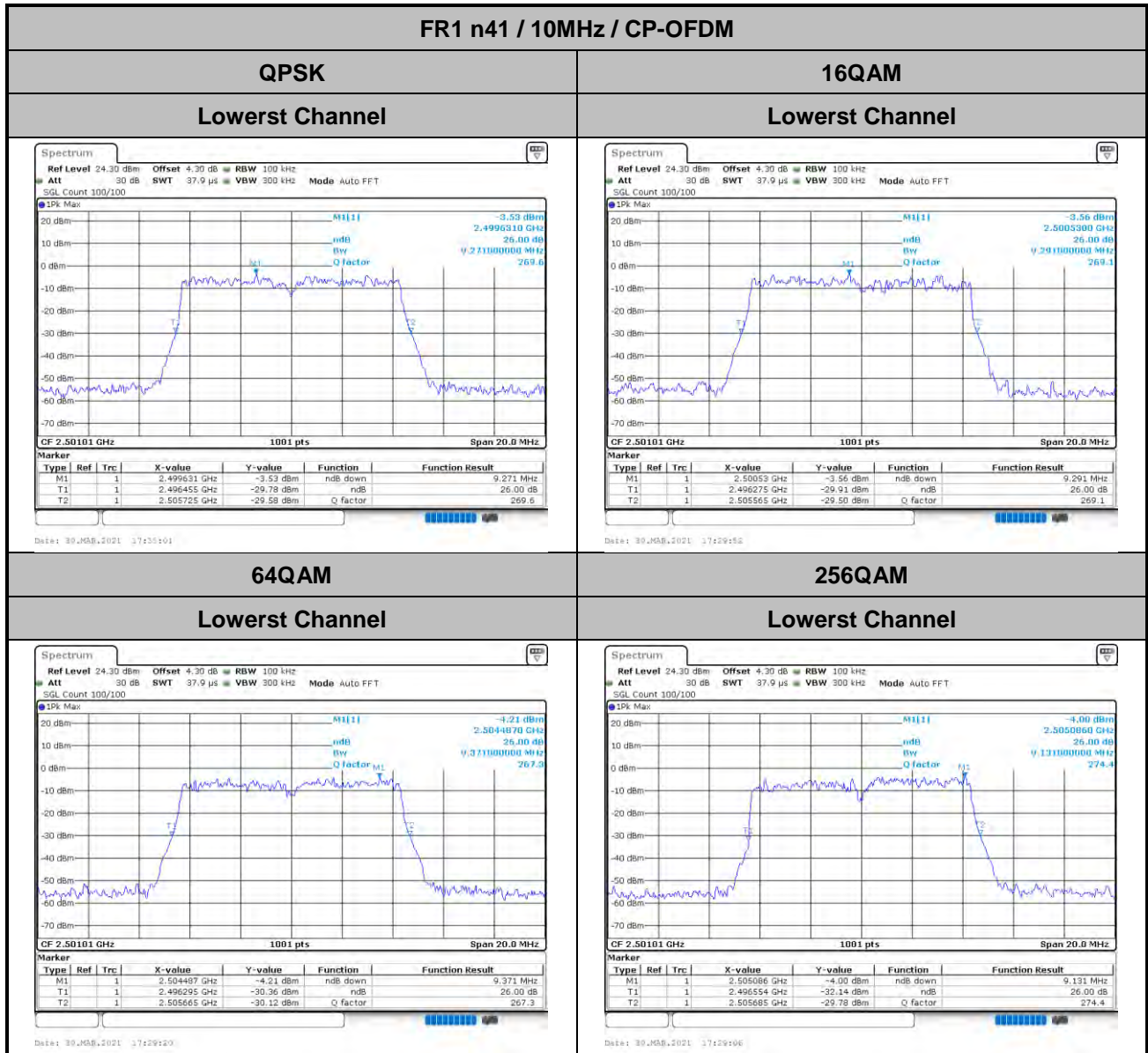
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	14.27	14.75	14.30	14.48				

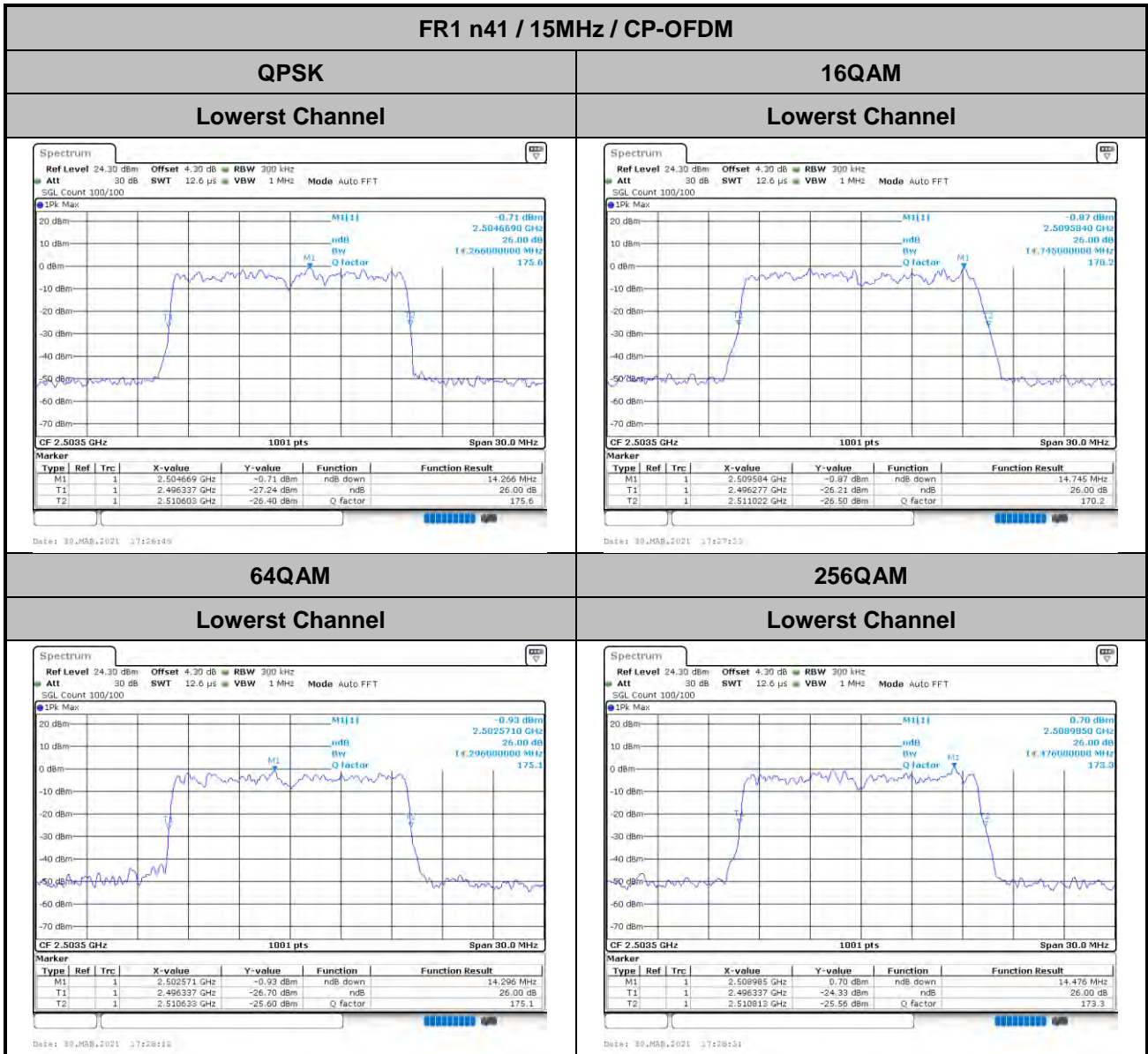
Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	28.95	29.13	29.07	28.83				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	40.2	40.04	40.2	40.12				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	49.75	49.75	49.75	49.75				

Mode	FR1 n41 : 26dB BW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	79.92	79.92	79.76	79.92				







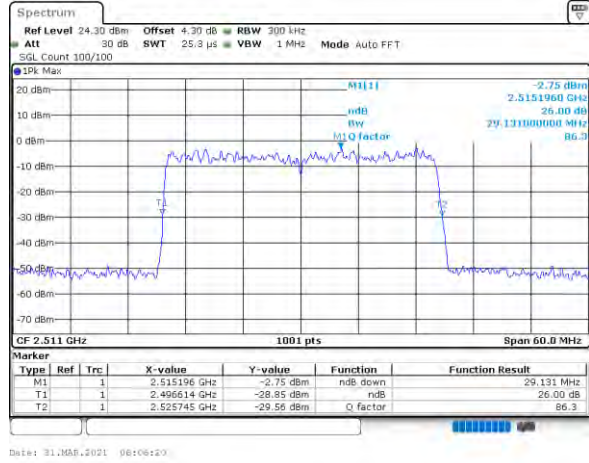
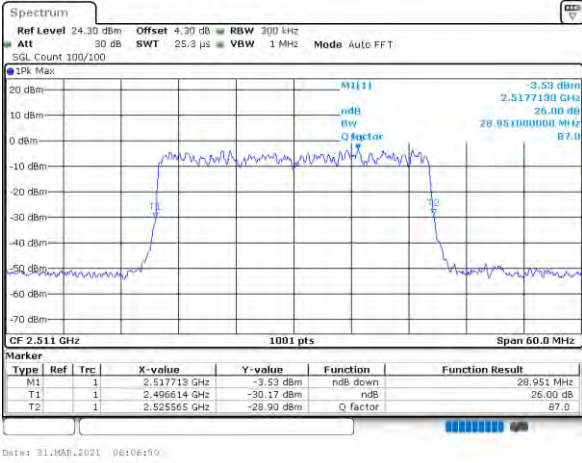
FR1 n41 / 30MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel

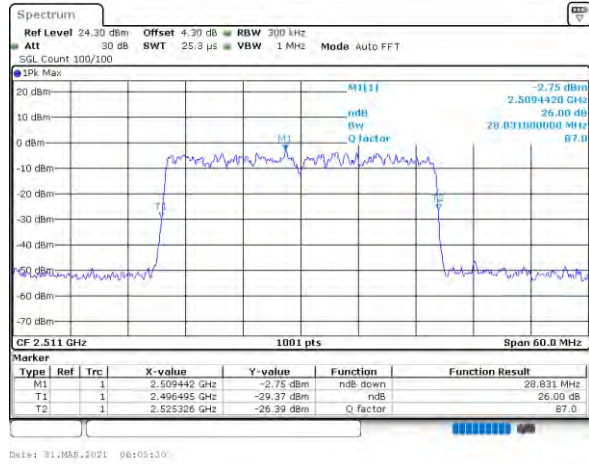
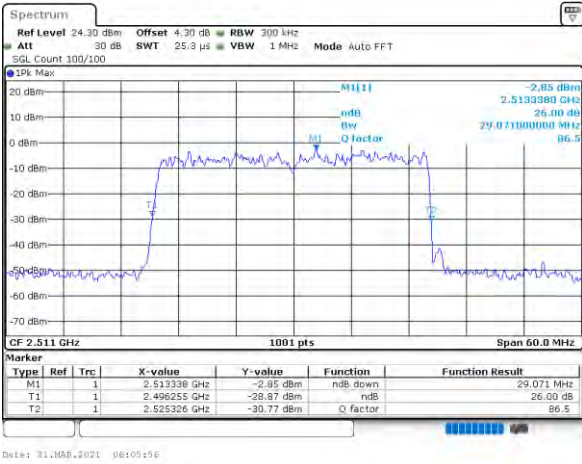


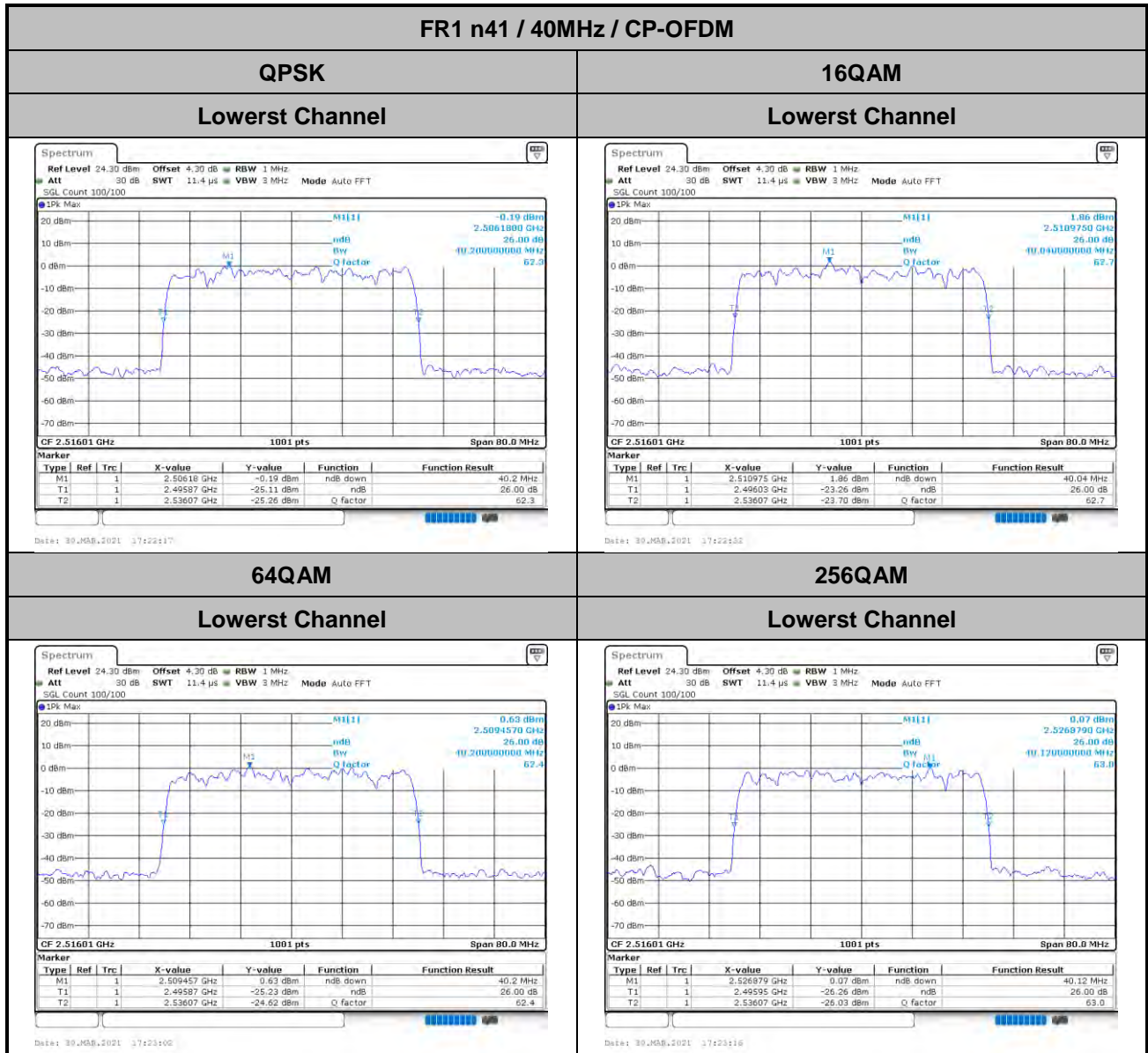
64QAM

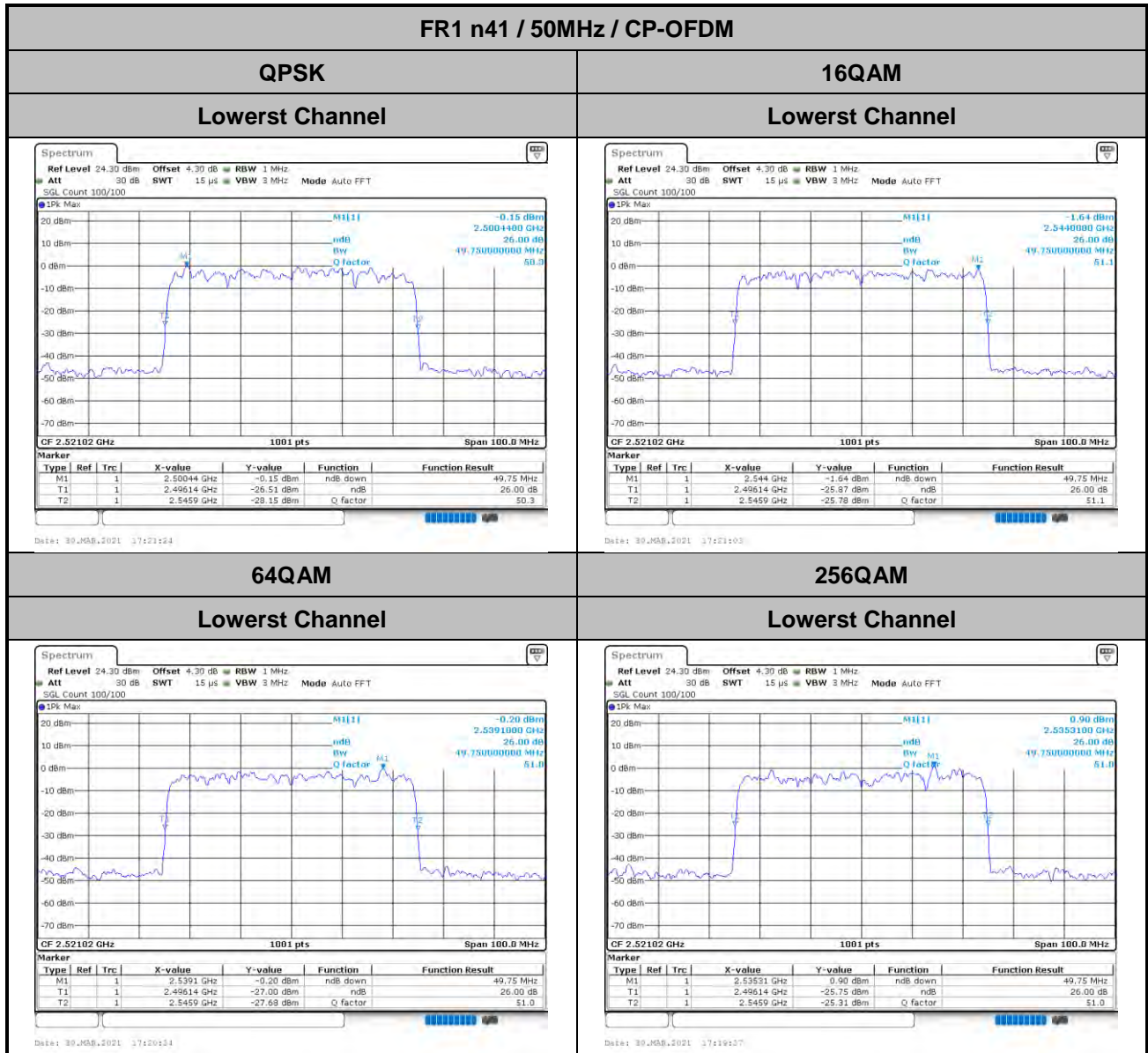
256QAM

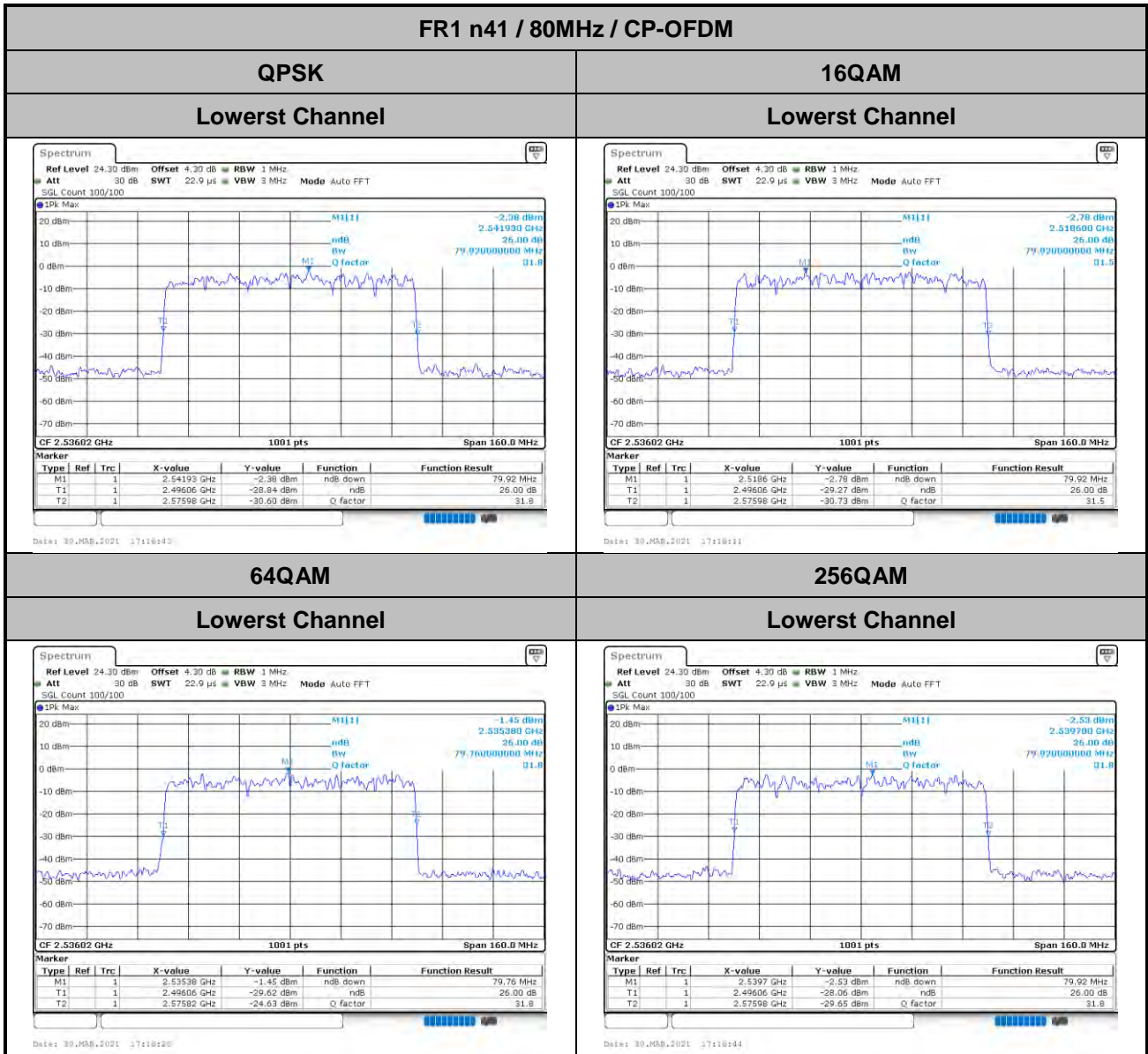
Lowerst Channel

Lowerst Channel











Occupied Bandwidth

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	10MHz	10MHz	10MHz	10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	8.57	8.57	8.57	8.53				

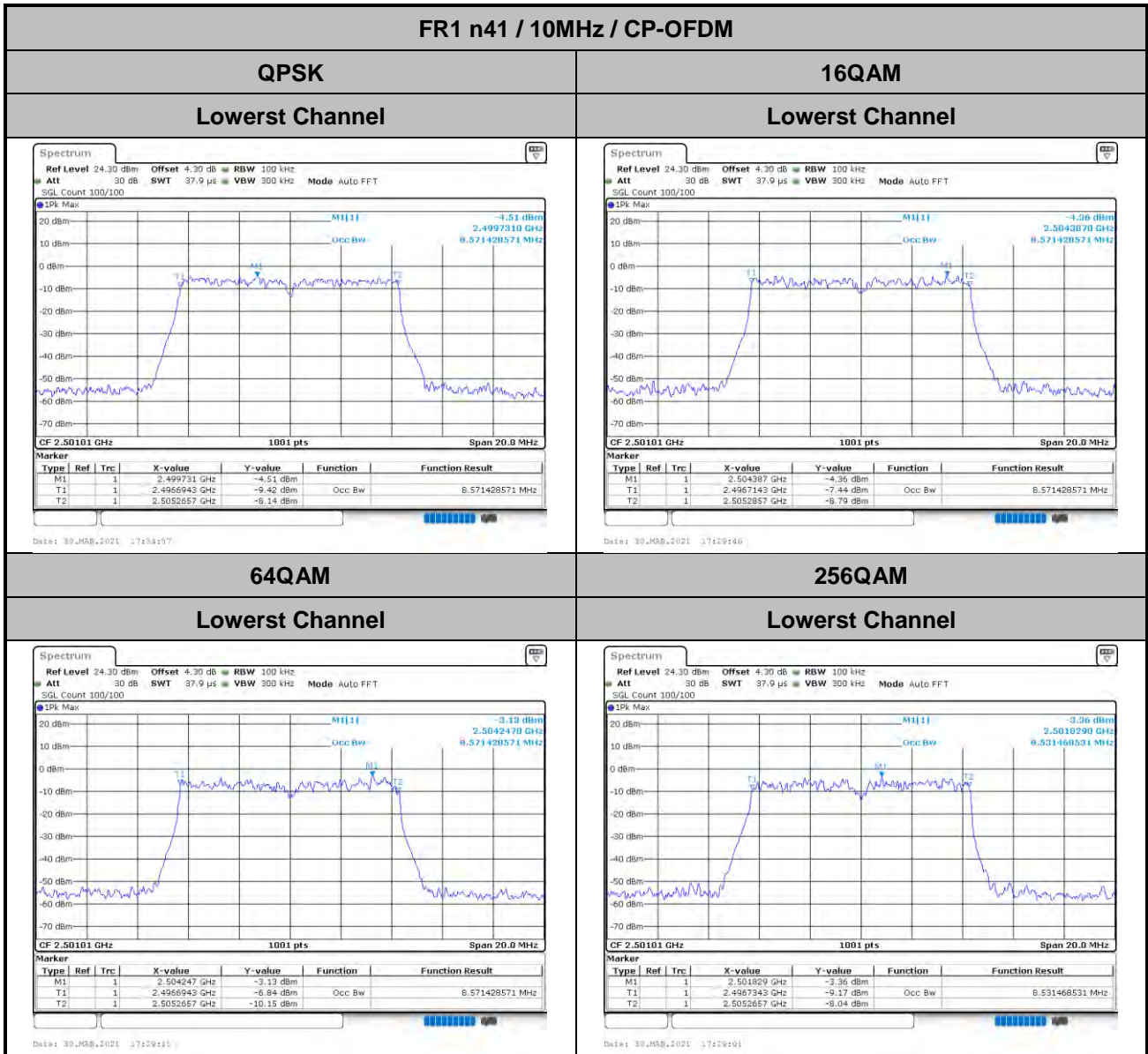
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	15MHz	15MHz	15MHz	15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	13.58	13.49	13.55	13.52				

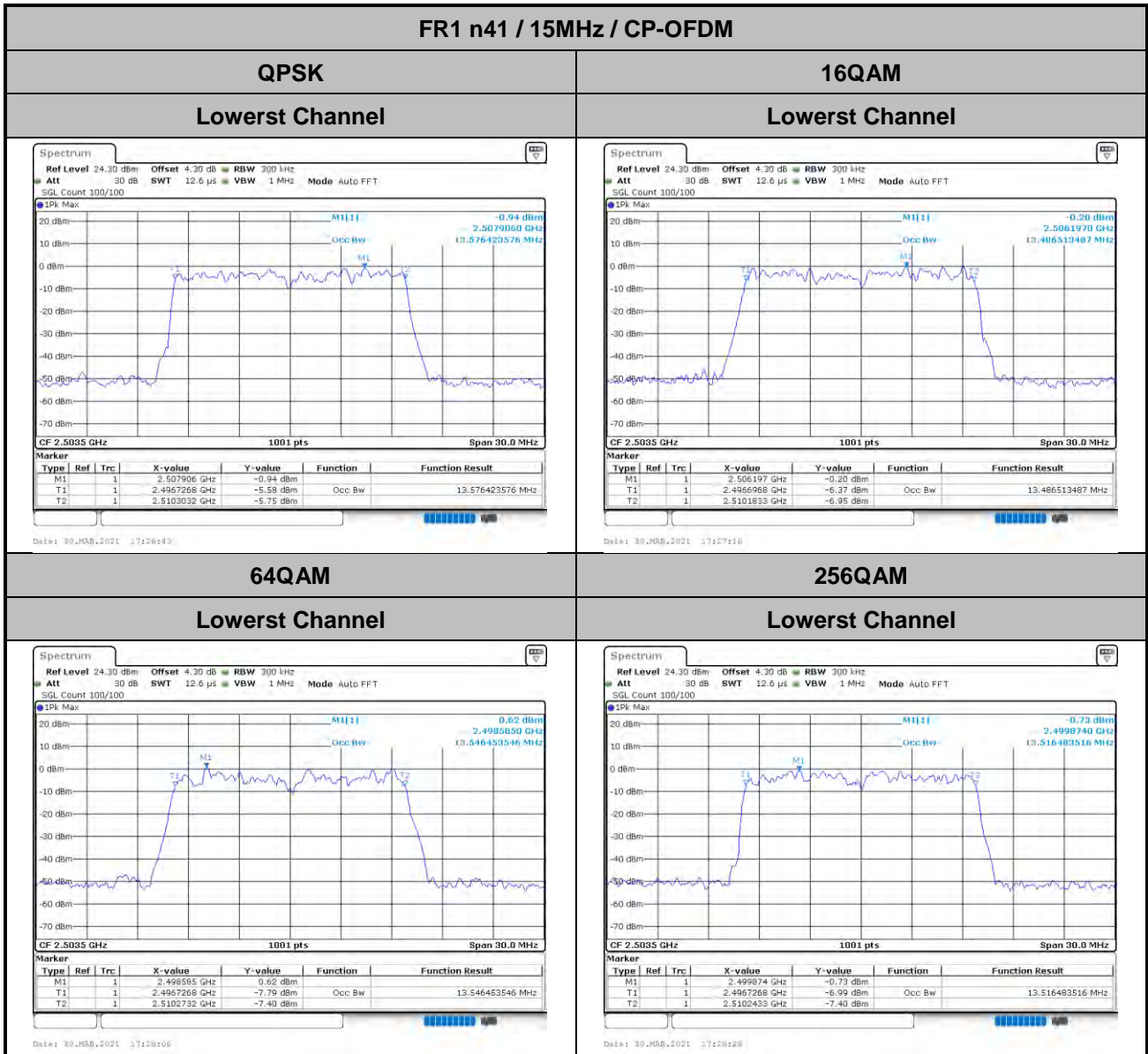
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	30MHz	30MHz	30MHz	30MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	27.81	27.87	27.75	27.75				

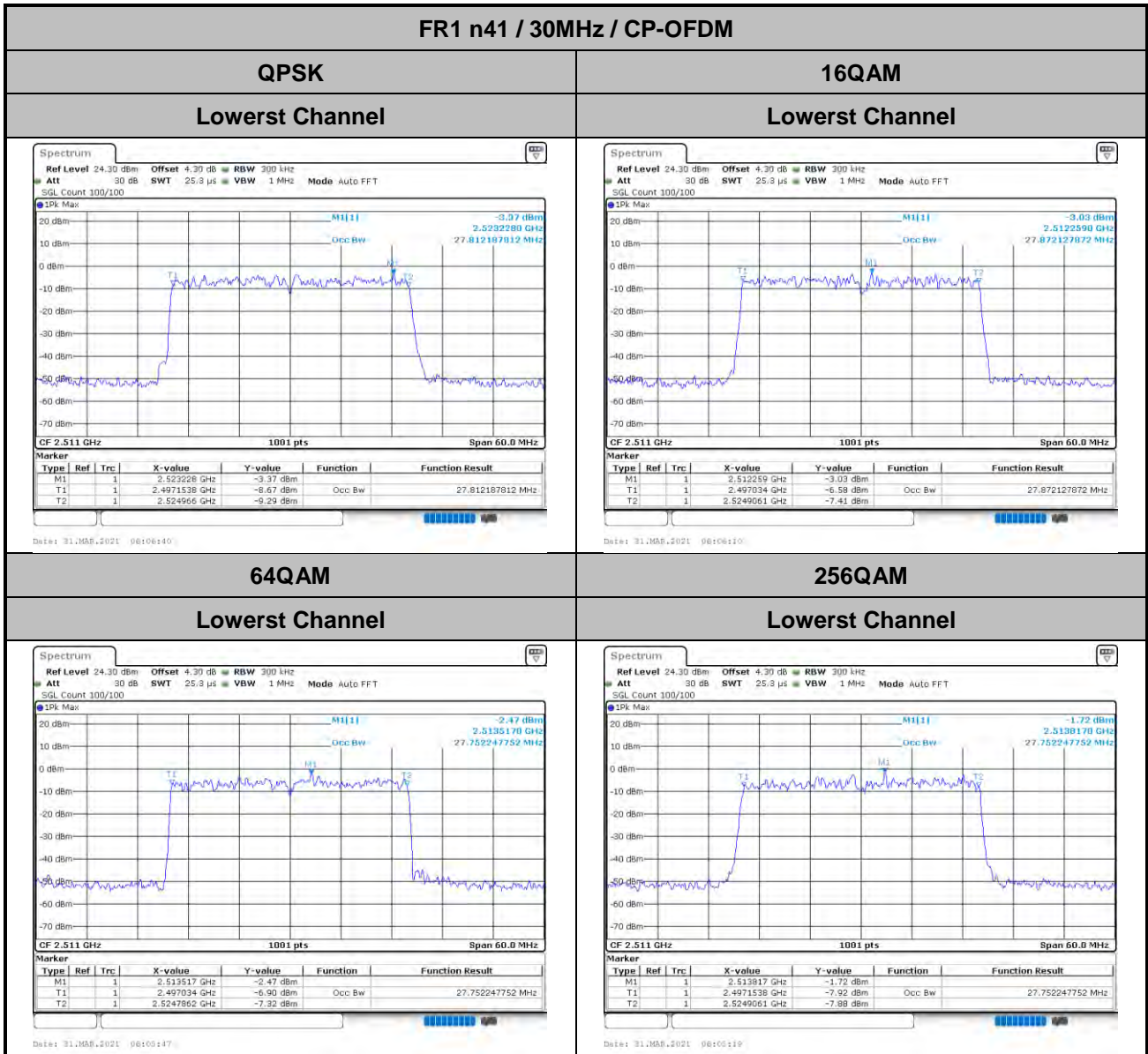
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	40MHz	40MHz	40MHz	40MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	38.12	37.80	37.88	37.72				

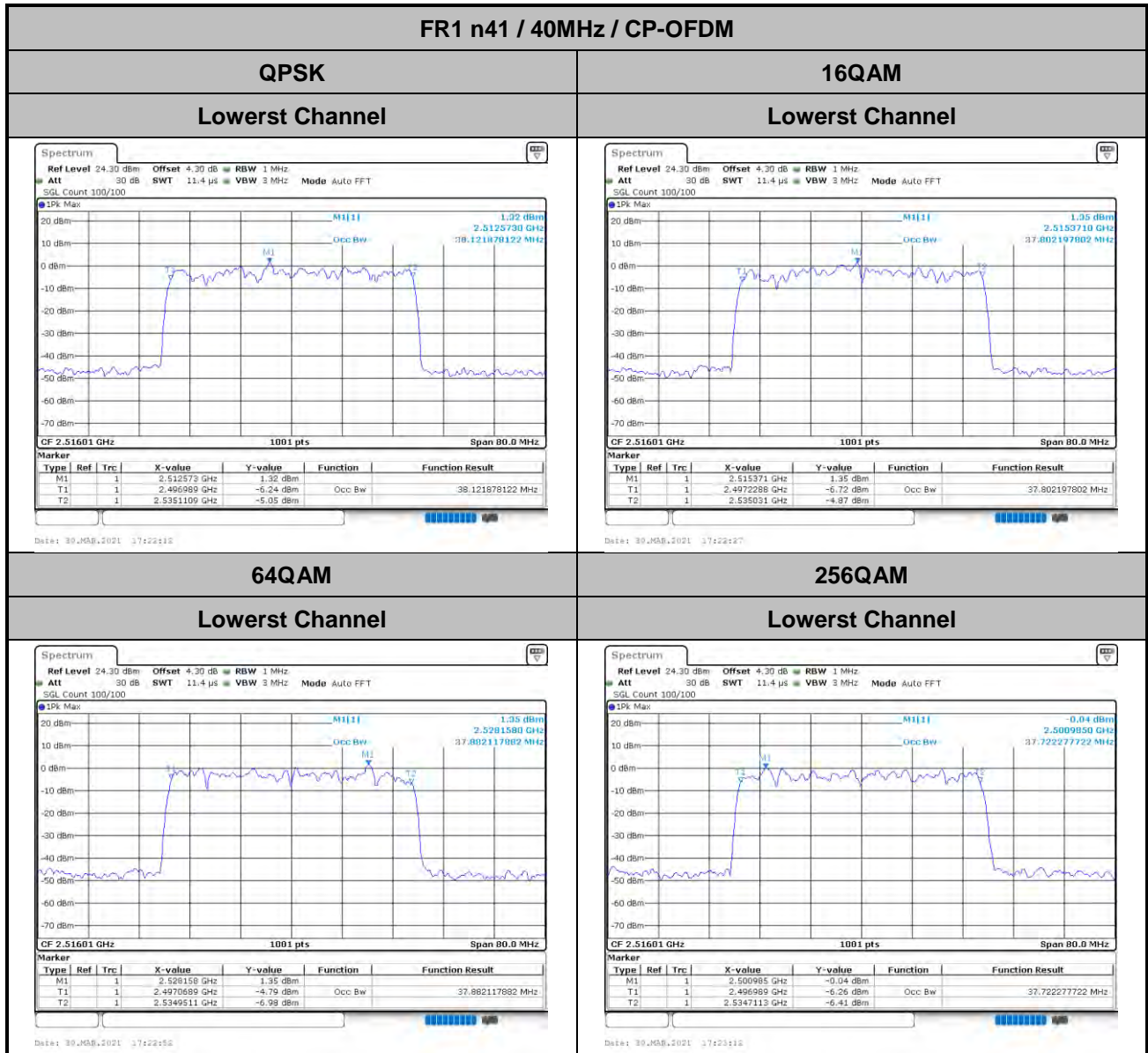
Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	50MHz	50MHz	50MHz	50MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	47.65	47.35	47.65	47.85				

Mode	FR1 n41 : OBW(MHz) / CP-OFDM							
BW	80MHz	80MHz	80MHz	80MHz				
Mod.	QPSK	16QAM	64QAM	256QAM				
Lowerst CH	77.36	77.52	77.20	77.36				











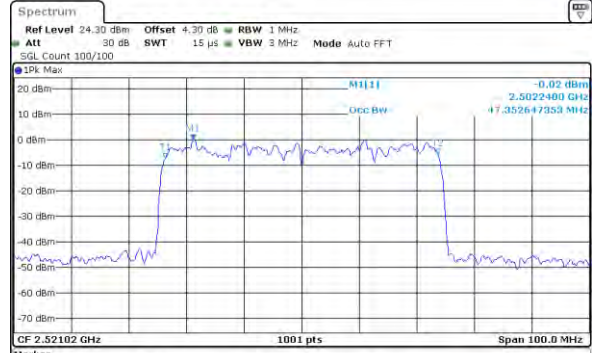
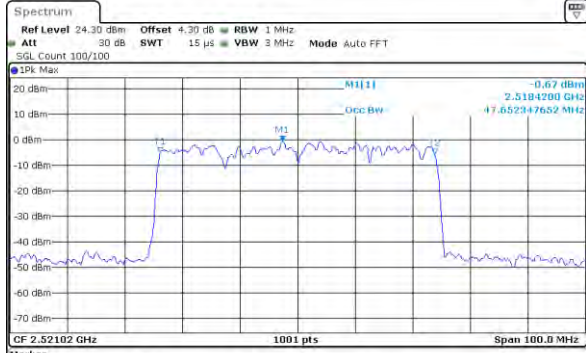
FR1 n41 / 50MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 30_MAR_2021 17:21:19

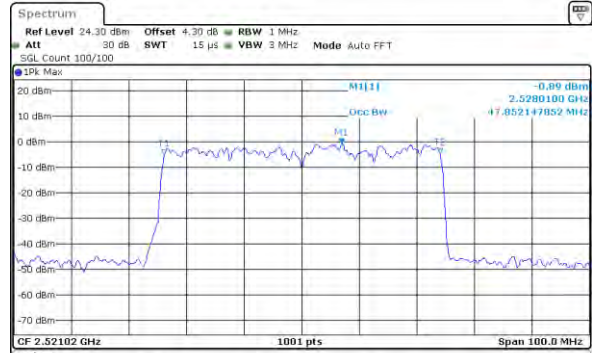
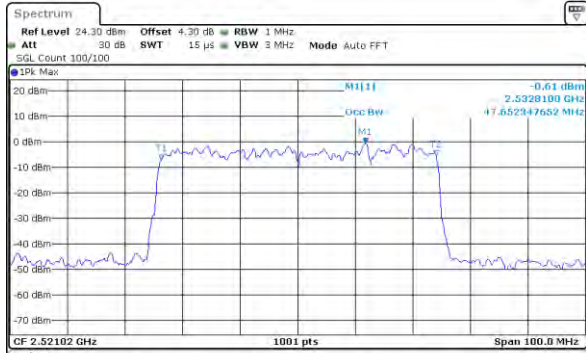
Date: 30_MAR_2021 17:20:43

64QAM

256QAM

Lowerst Channel

Lowerst Channel



Date: 30_MAR_2021 17:20:29

Date: 30_MAR_2021 17:19:33



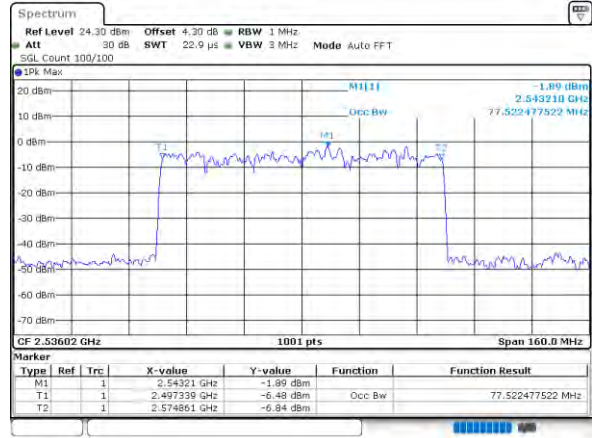
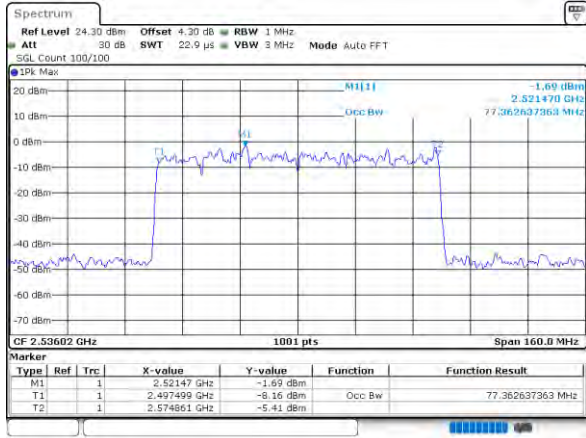
FR1 n41 / 80MHz / CP-OFDM

QPSK

16QAM

Lowerst Channel

Lowerst Channel



Date: 20_MAR_2021 17:18:27

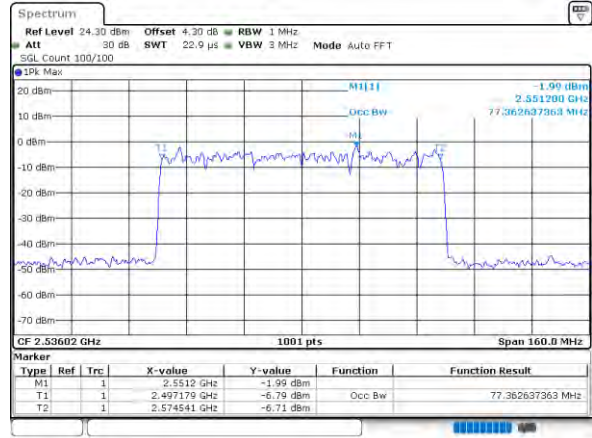
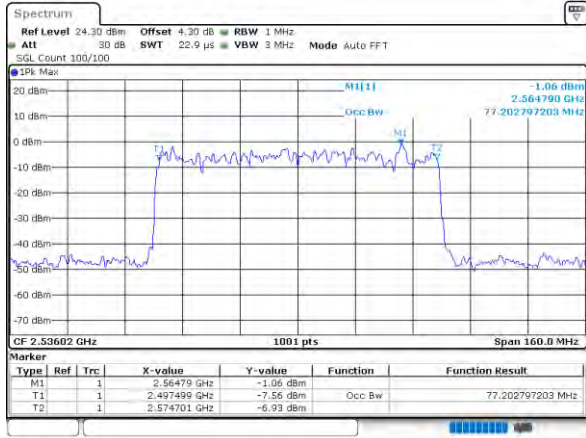
Date: 20_MAR_2021 17:18:06

64QAM

256QAM

Lowerst Channel

Lowerst Channel

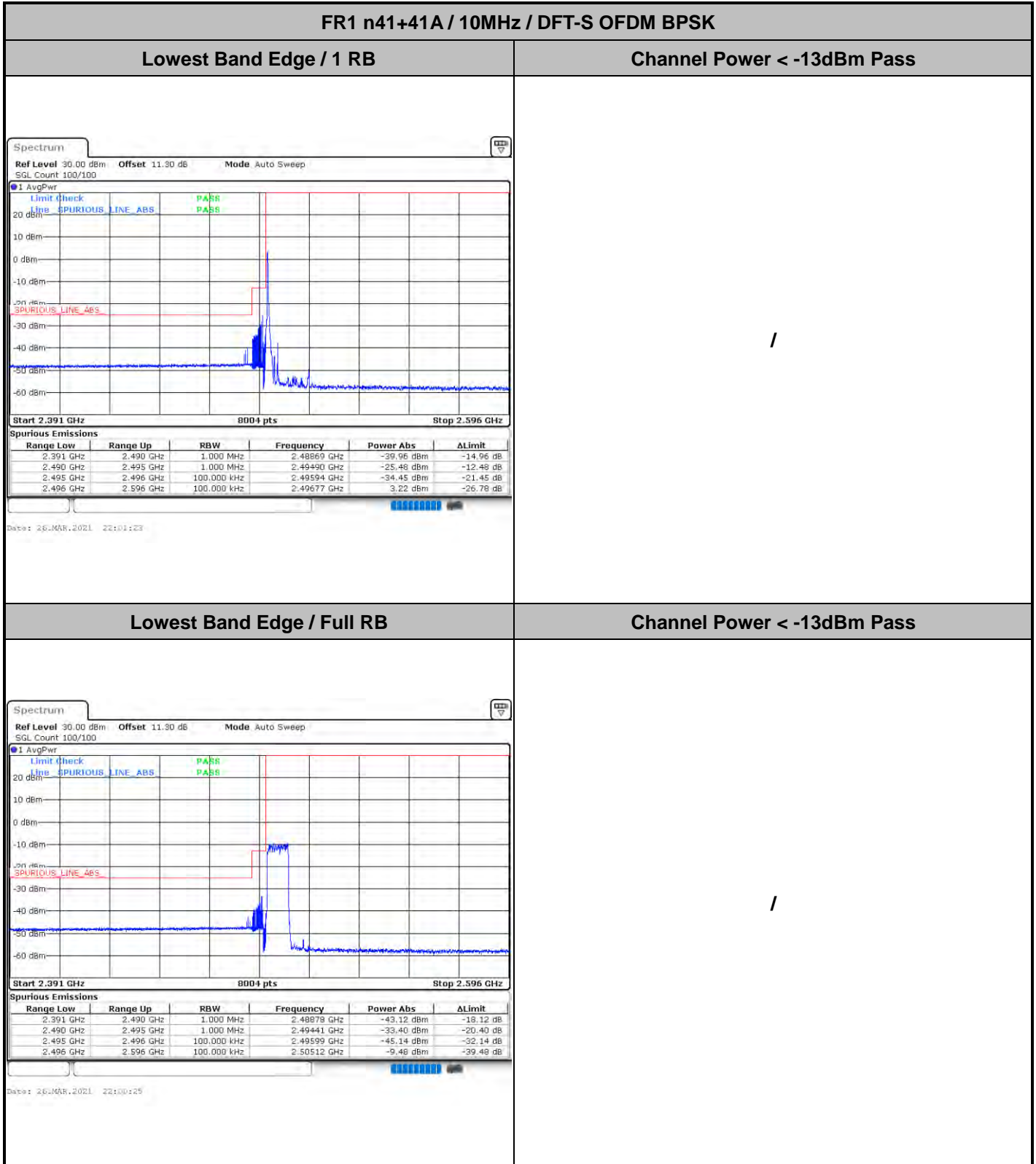


Date: 20_MAR_2021 17:18:23

Date: 20_MAR_2021 17:18:08



Conducted Band Edge

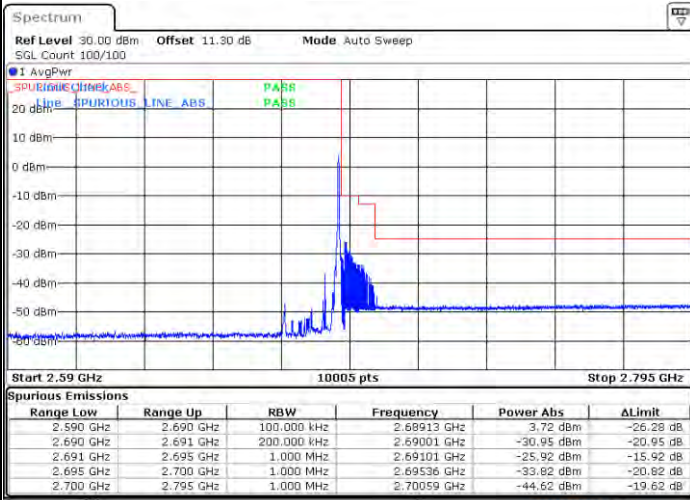




FR1 n41+41A / 10MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

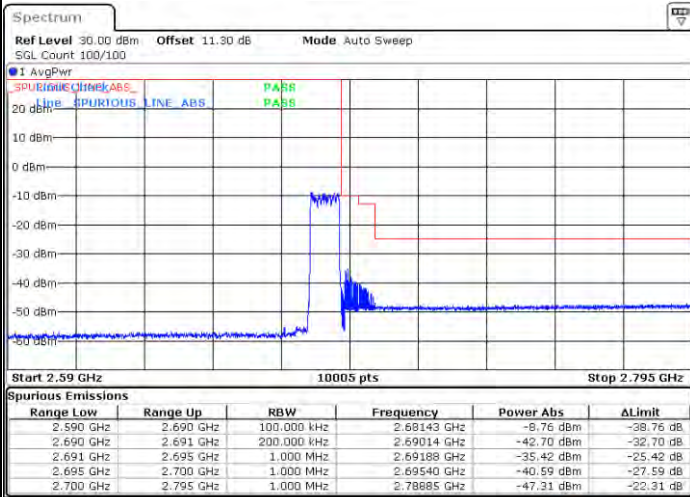
Channel Power < -13dBm Pass



Date: 26-MAR-2021 22:19:36

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



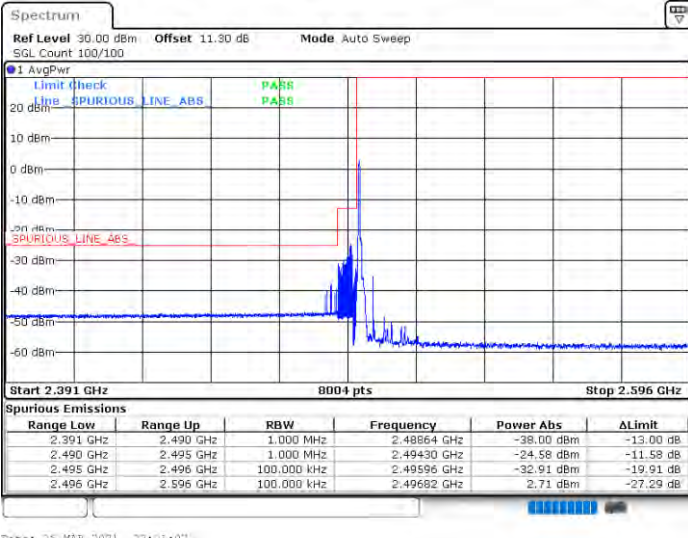
Date: 26-MAR-2021 22:19:11



FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

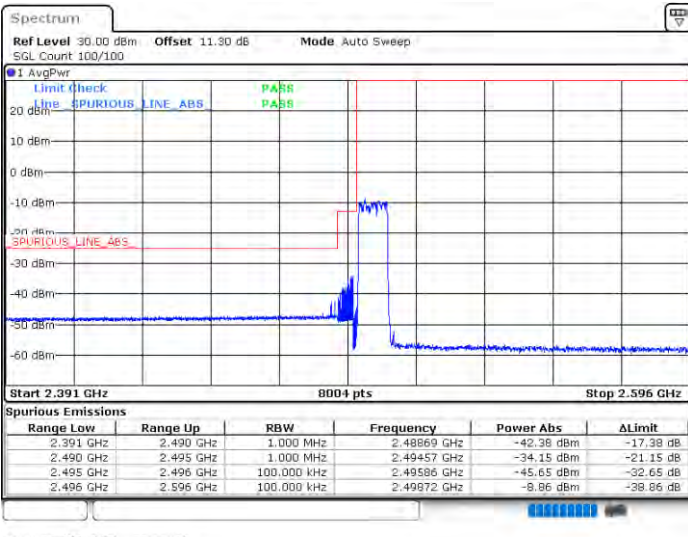
Channel Power < -13dBm Pass



Date: 26-MAR-2021 22:01:07

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



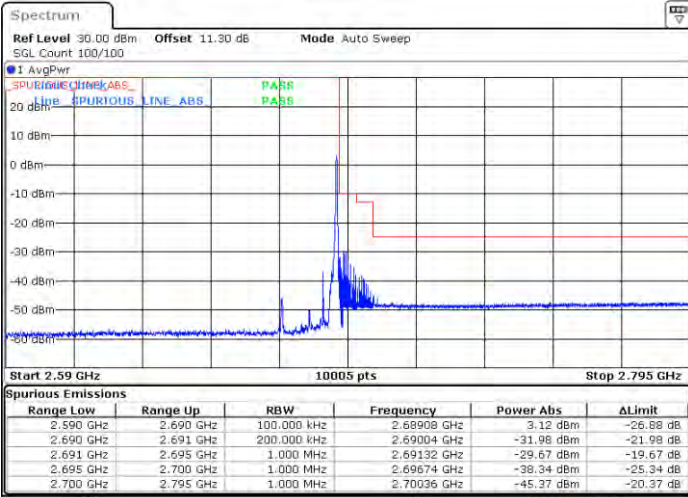
Date: 26-MAR-2021 22:00:44



FR1 n41+41A / 10MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

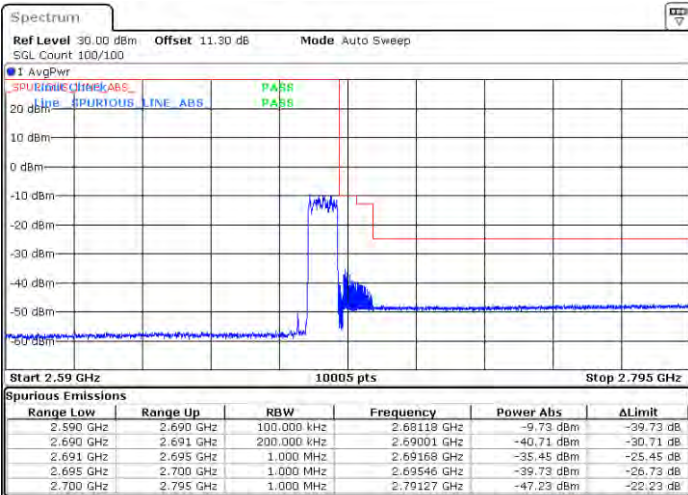
Channel Power < -13dBm Pass



Date: 26-MAR-2021 22:19:51

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



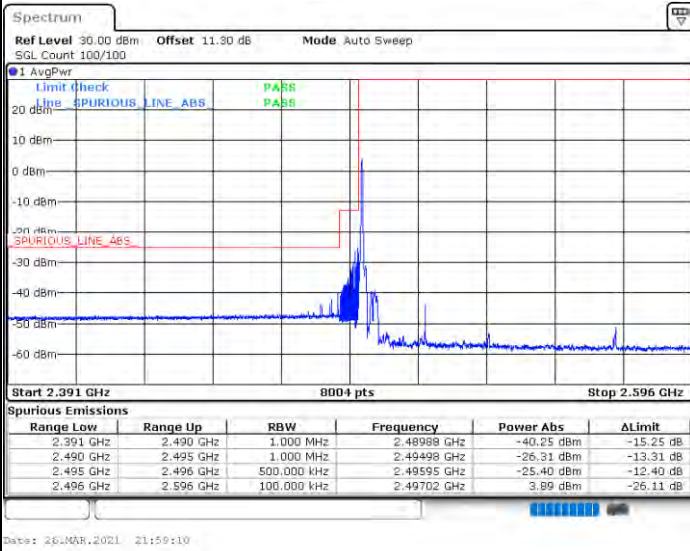
Date: 26-MAR-2021 22:18:03



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

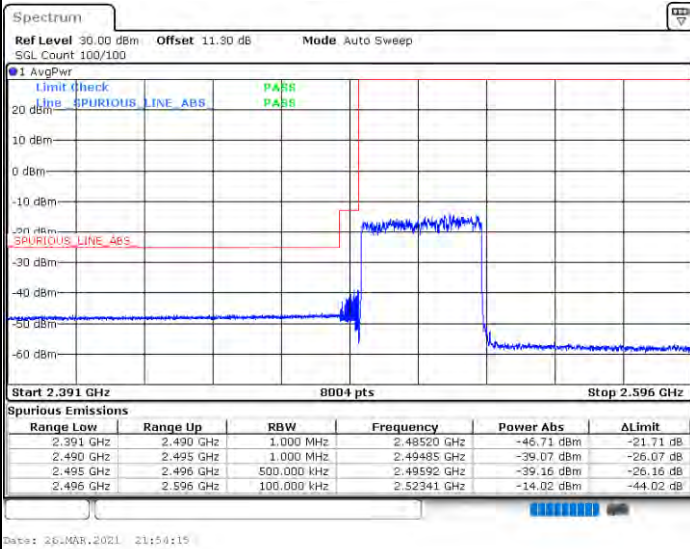
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



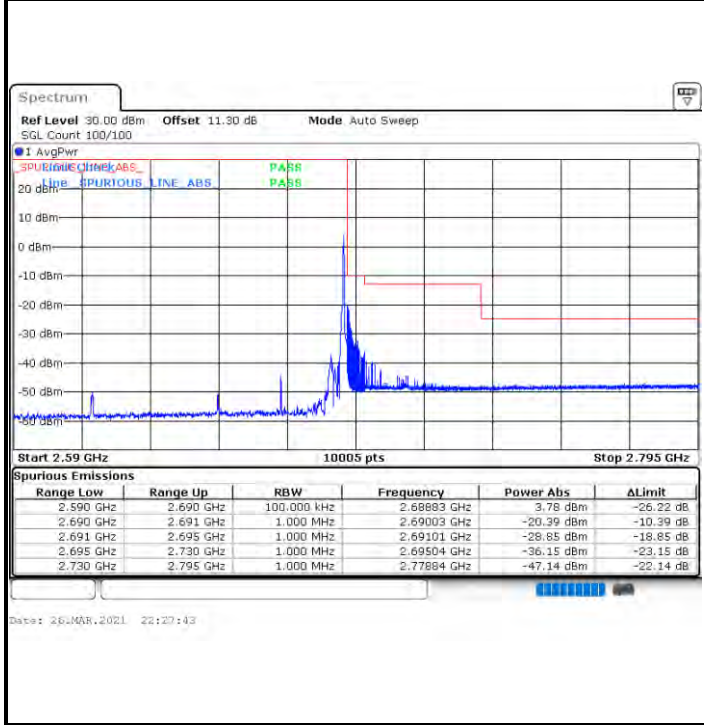
/



FR1 n41+41A / 40MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

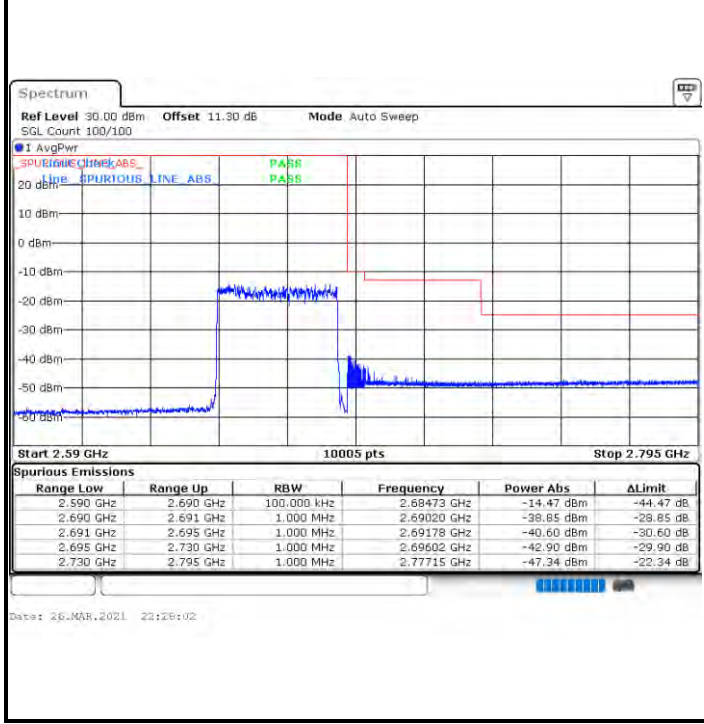
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



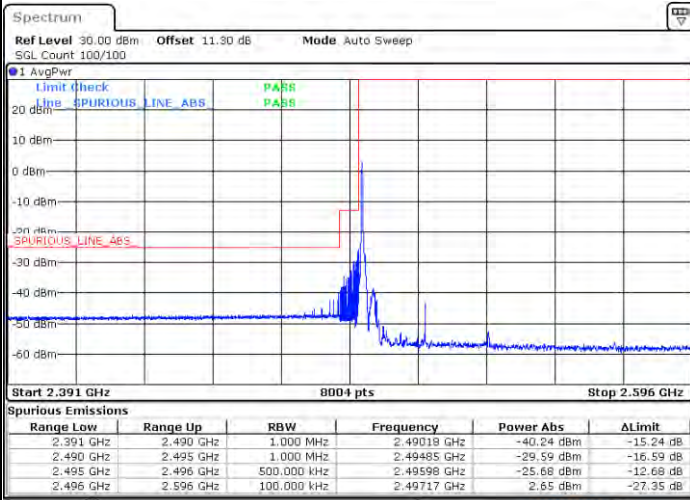
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FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

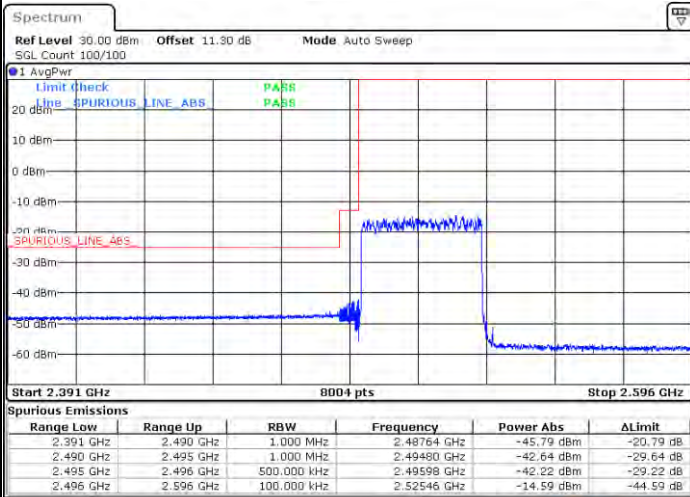
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



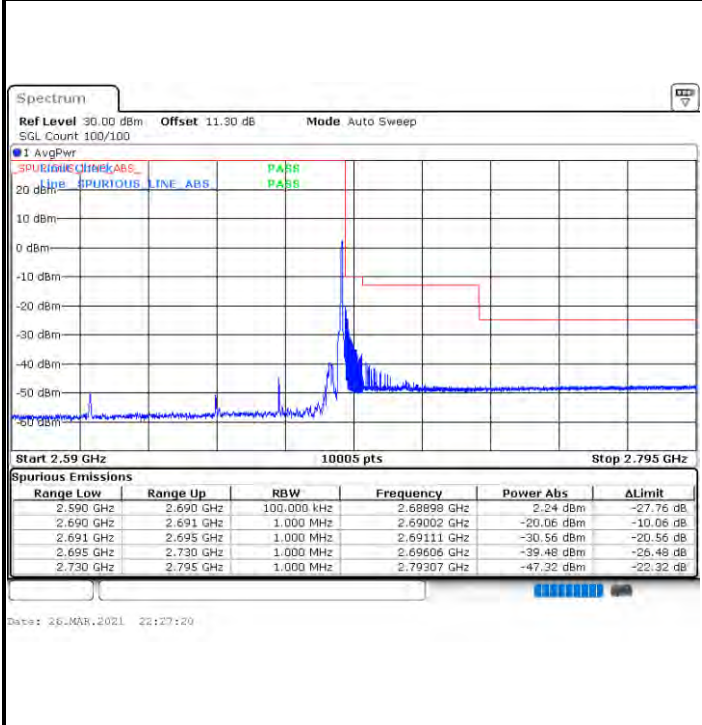
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FR1 n41+41A / 40MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

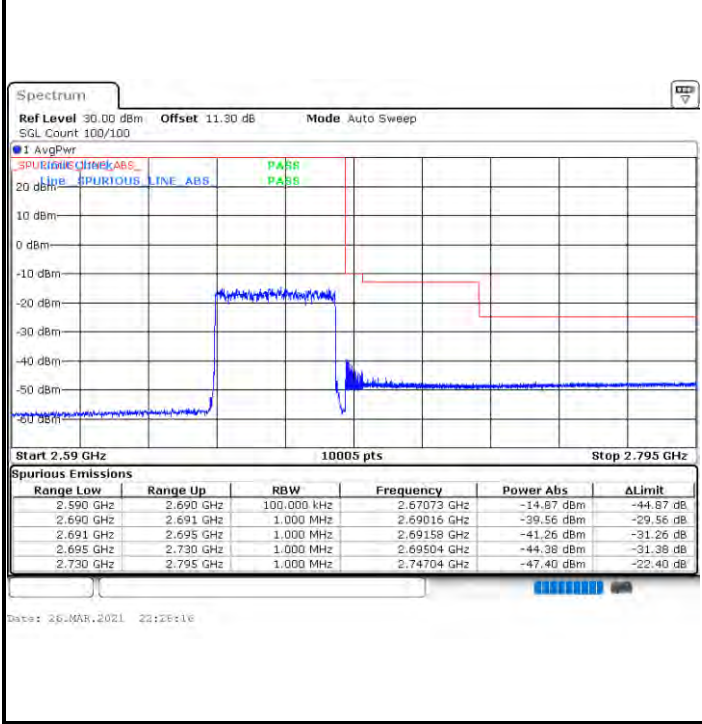
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



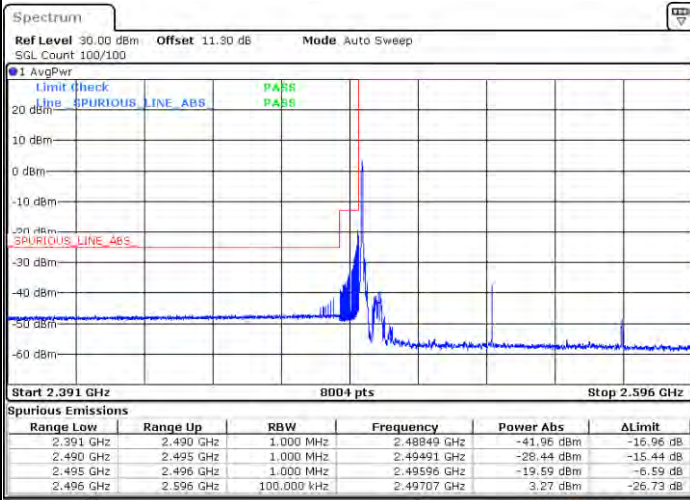
/



FR1 n41+41A / 80MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB

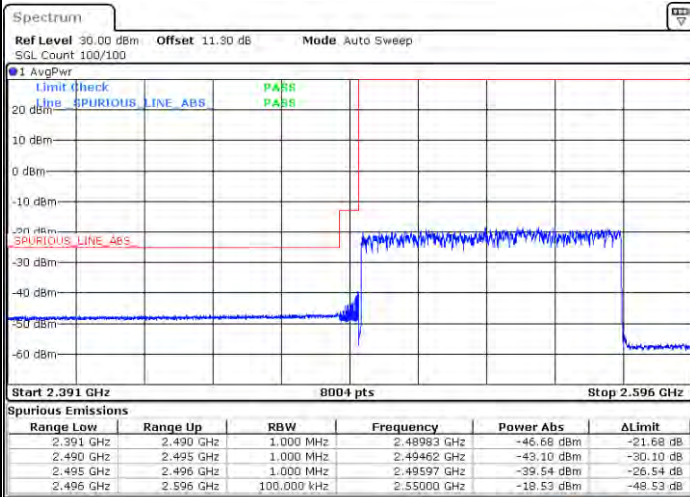
Channel Power < -13dBm Pass



Date: 26-MAR-2021 21:33:53

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



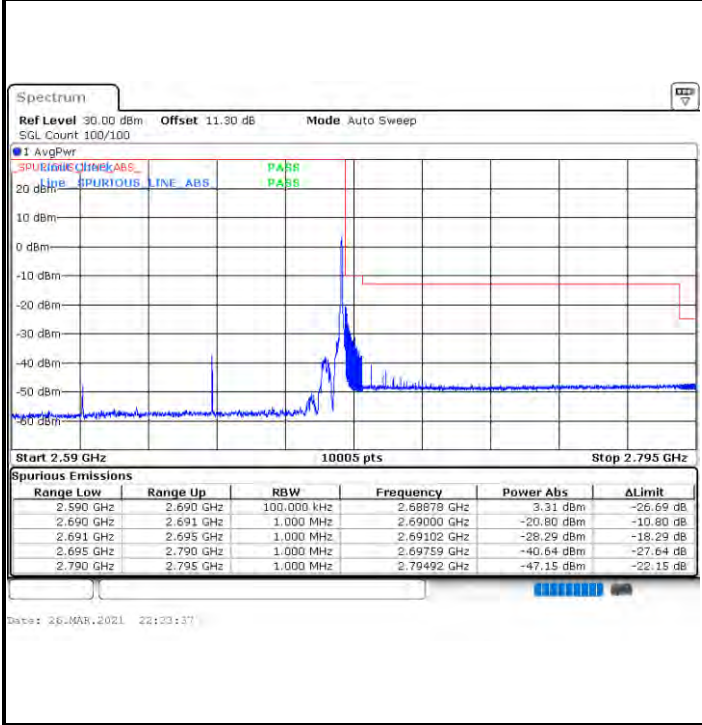
Date: 26-MAR-2021 21:30:04



FR1 n41+41A / 80MHz / DFT-S OFDM BPSK

Highest Band Edge / 1 RB

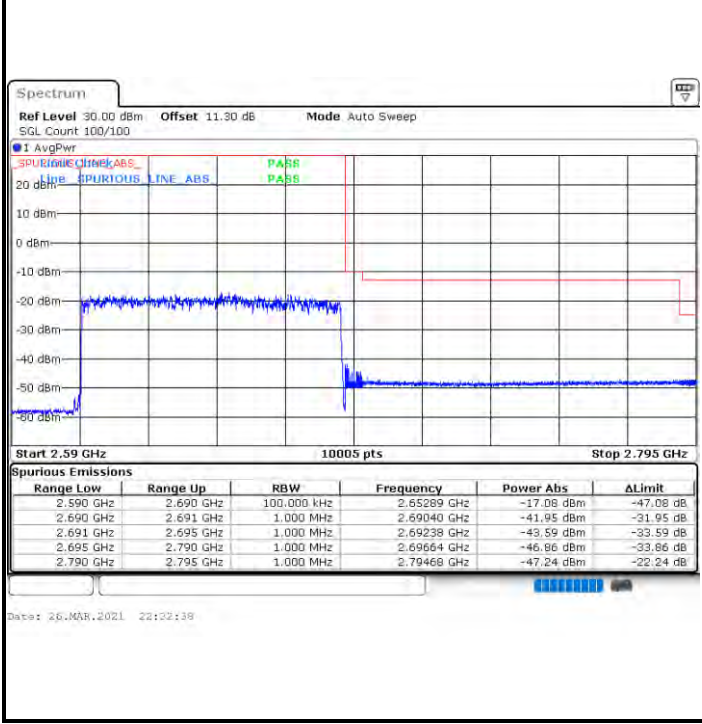
Channel Power < -13dBm Pass



/

Highest Band Edge / Full RB

Channel Power < -13dBm Pass



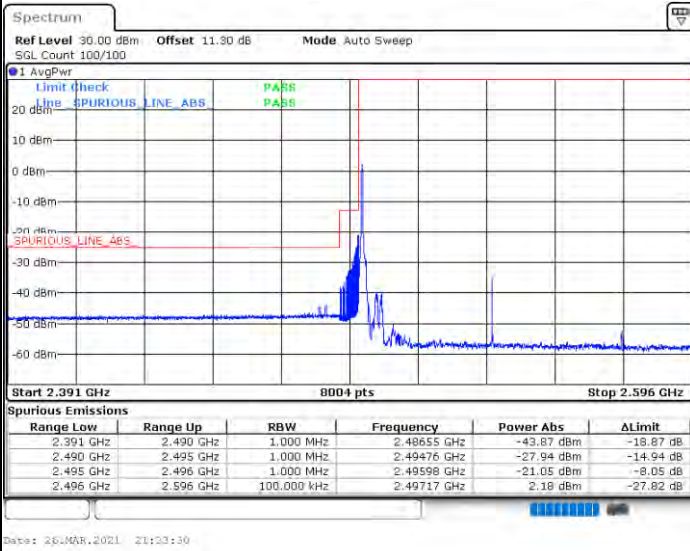
/



FR1 n41+41A / 80MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB

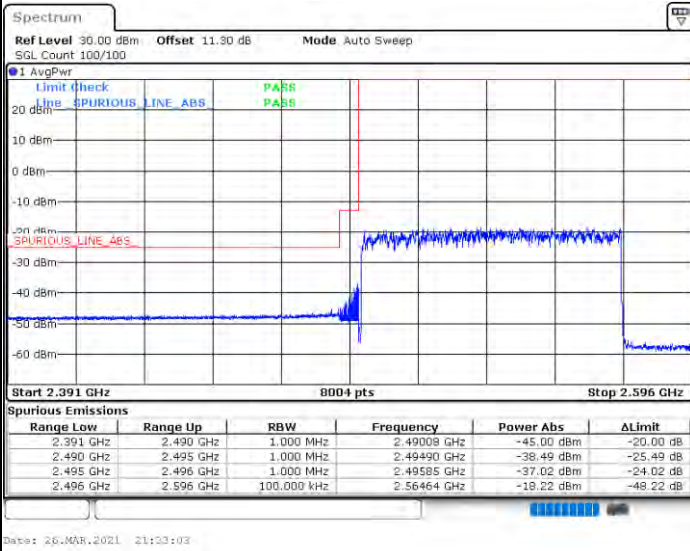
Channel Power < -13dBm Pass



/

Lowest Band Edge / Full RB

Channel Power < -13dBm Pass



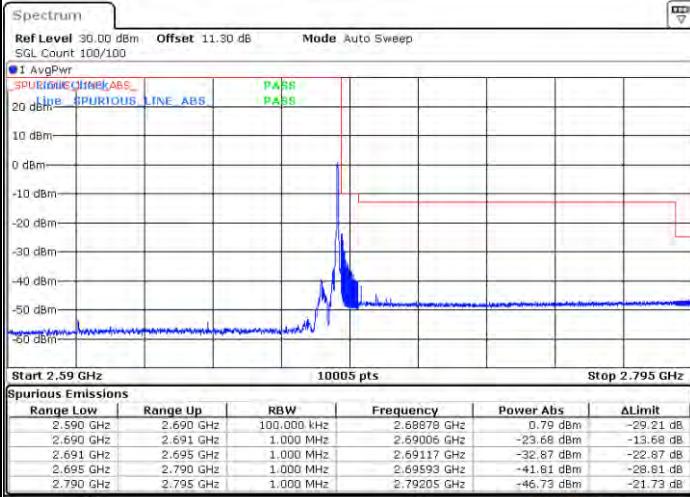
/



FR1 n41+41A / 80MHz / DFT-S OFDM QPSK

Highest Band Edge / 1 RB

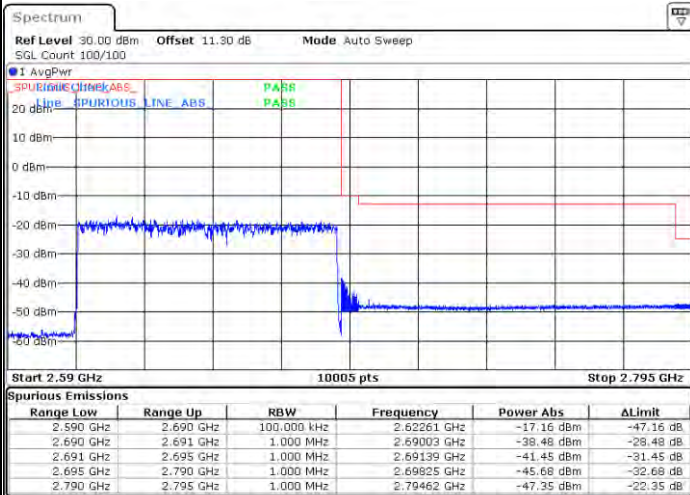
Channel Power < -13dBm Pass



Date: 25.MAR.2021 04:33:59

Highest Band Edge / Full RB

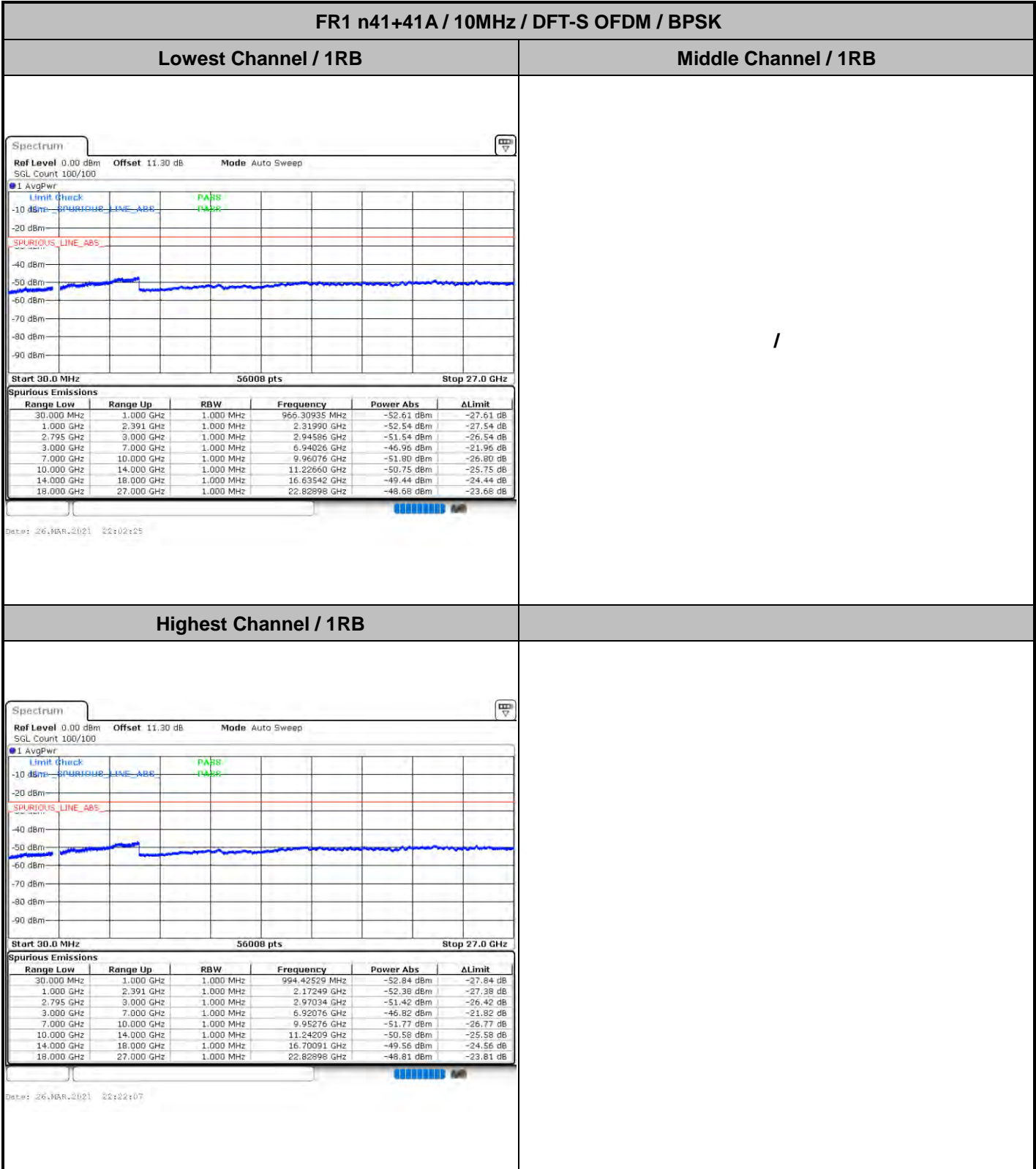
Channel Power < -13dBm Pass



Date: 26.MAR.2021 22:31:02



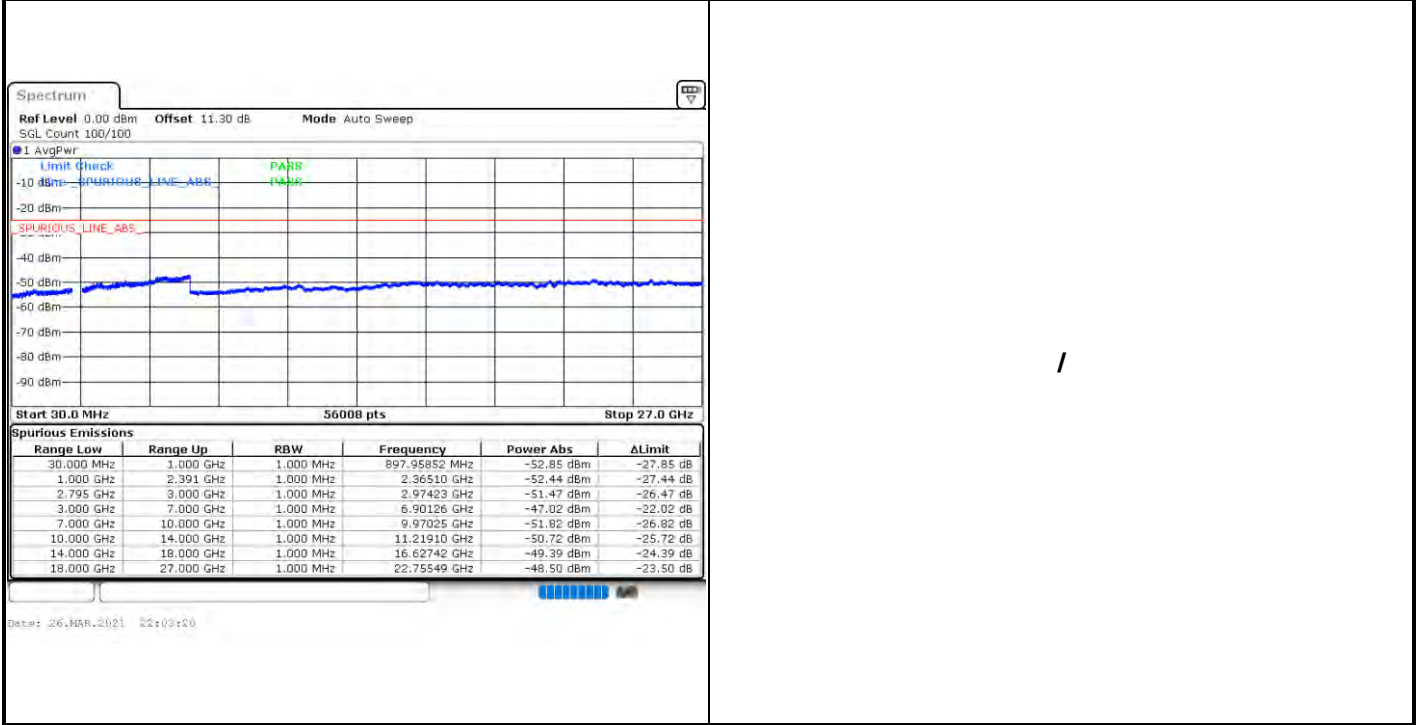
Conducted Spurious Emission



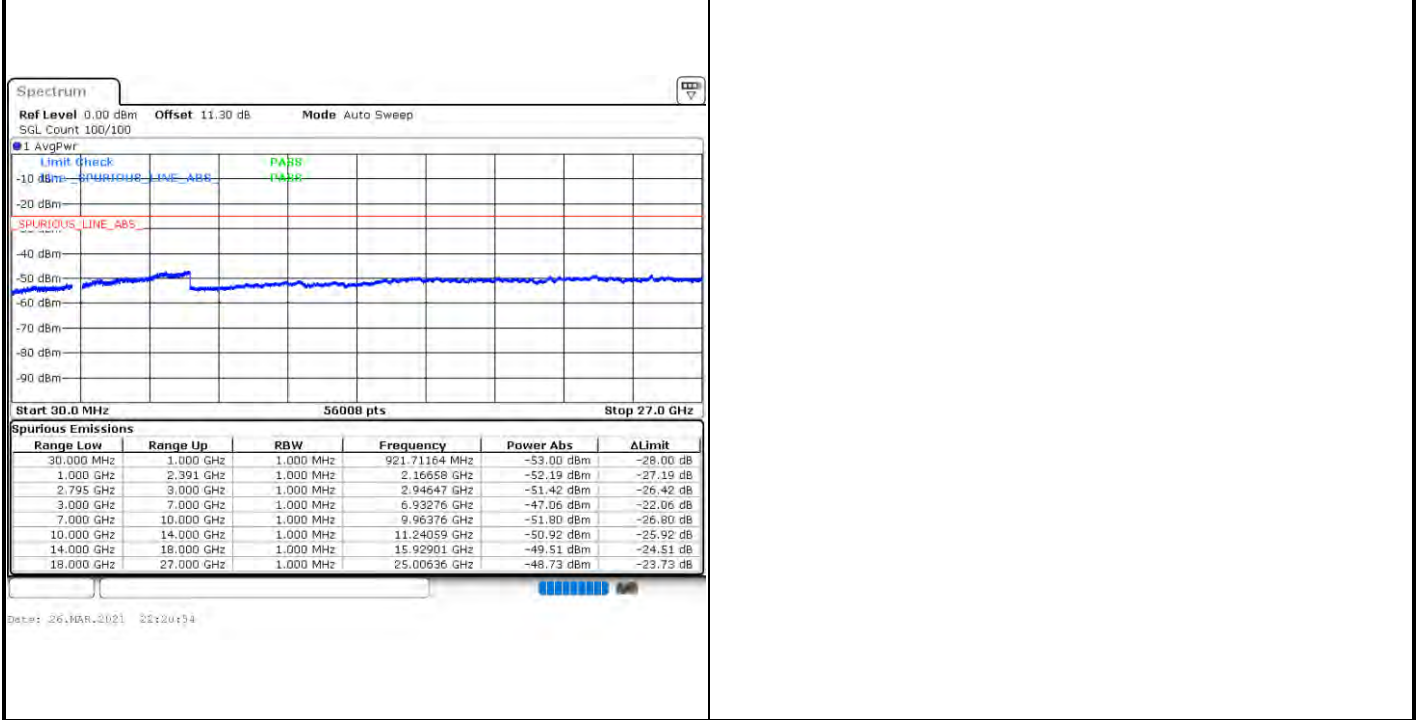


FR1 n41+41A / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB	Middle Channel / 1RB
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Highest Channel / 1RB

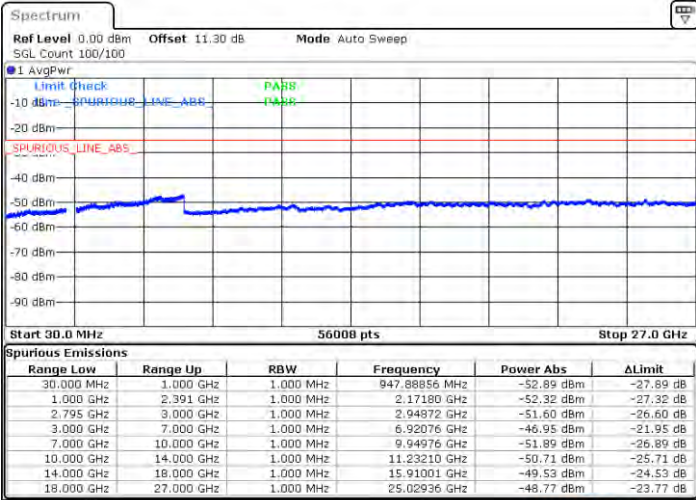




FR1 n41+41A / 40MHz / DFT-S OFDM / BPSK

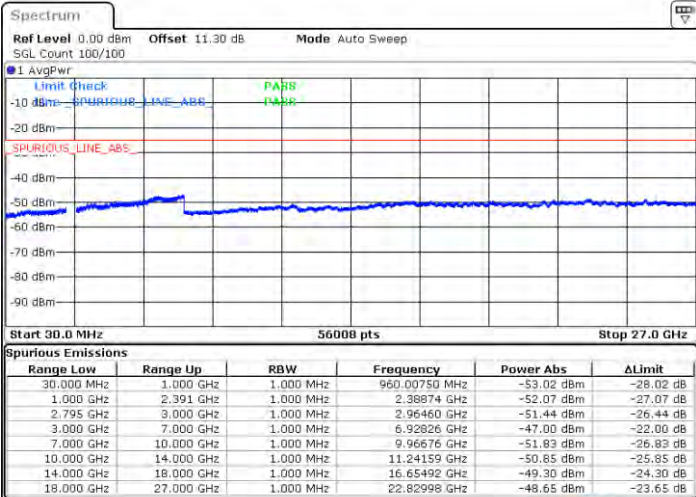
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 21:57:04

Highest Channel / 1RB



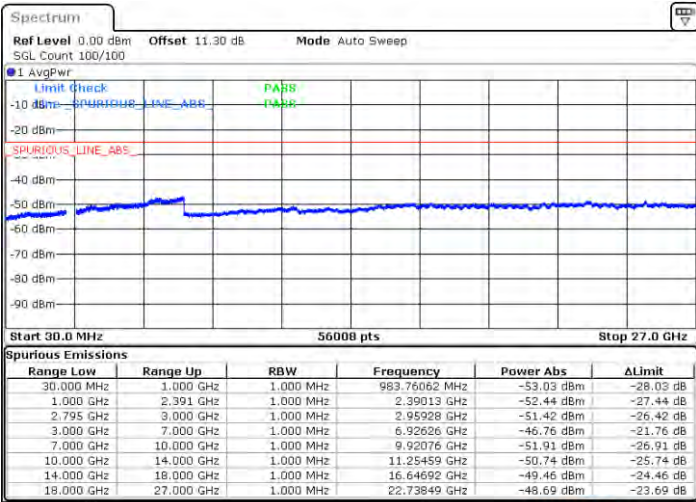
Date: 26.MAR.2021 22:23:40



FR1 n41+41A / 40MHz / DFT-S OFDM / QPSK

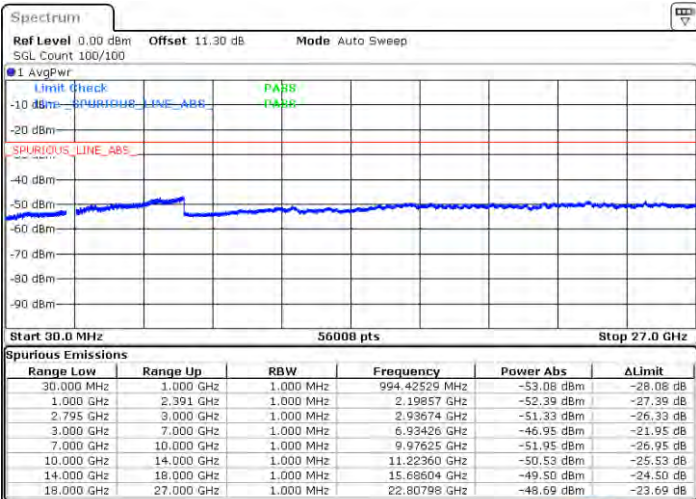
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 21:56:11

Highest Channel / 1RB



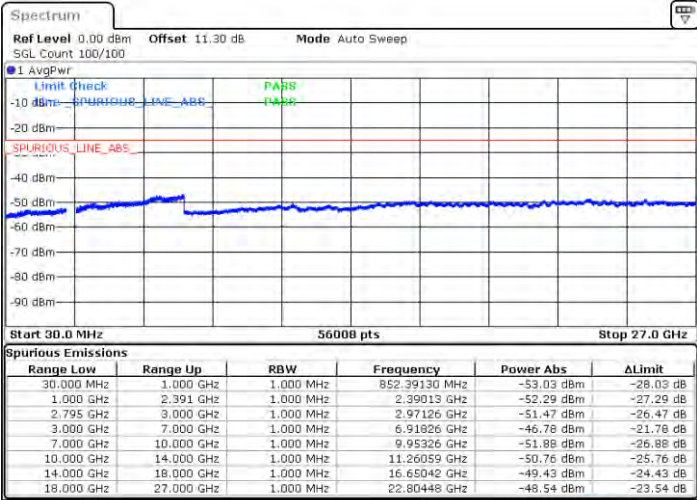
Date: 26.MAR.2021 22:26:42



FR1 n41+41A / 80MHz / DFT-S OFDM / BPSK

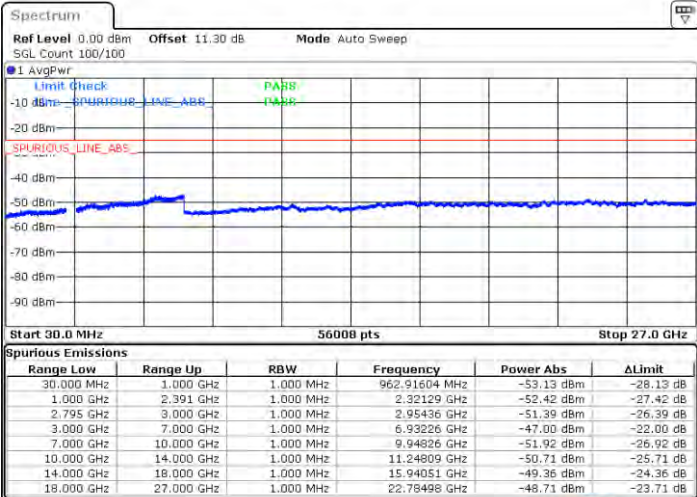
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 11:45:37

Highest Channel / 1RB



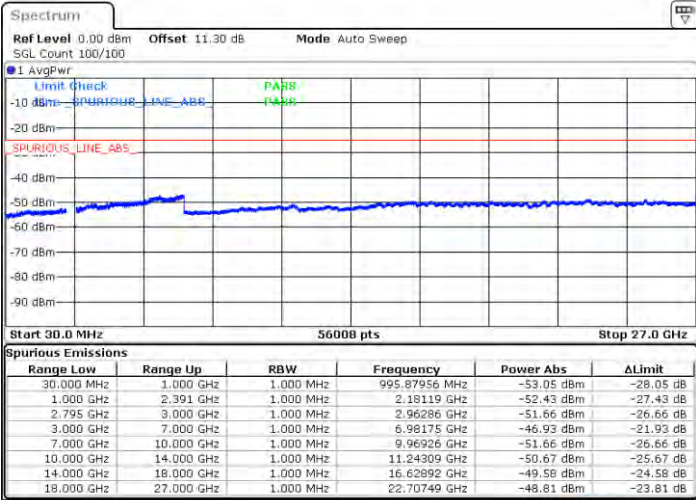
Date: 26.MAR.2021 12:34:52



FR1 n41+41A / 80MHz / DFT-S OFDM / QPSK

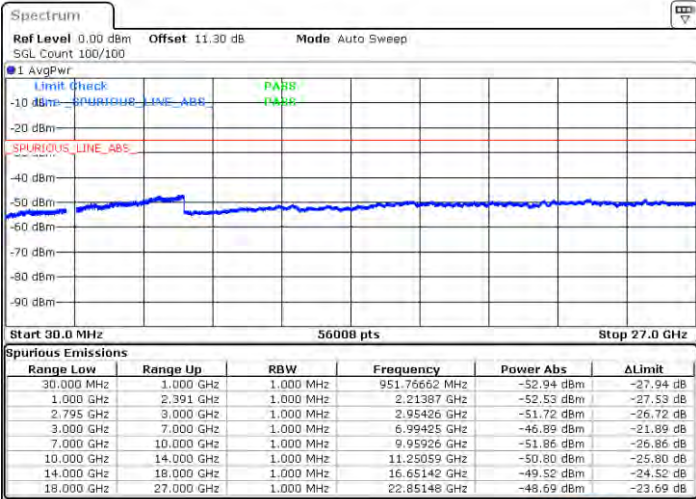
Lowest Channel / 1RB

Middle Channel / 1RB



Date: 26.MAR.2021 22:37:09

Highest Channel / 1RB



Date: 26.MAR.2021 22:36:02



Frequency Stability

Test Conditions		NR n41+41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Within Band
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0006	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0014	

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 n71 SA

Peak-to-Average Ratio

Mode	FR1 n71 / 20MHz / 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	3.45	4.12	5.68	5.39	PASS
Middle CH	3.28	3.80	4.84	4.99	
Highest CH	3.62	4.06	5.65	5.22	



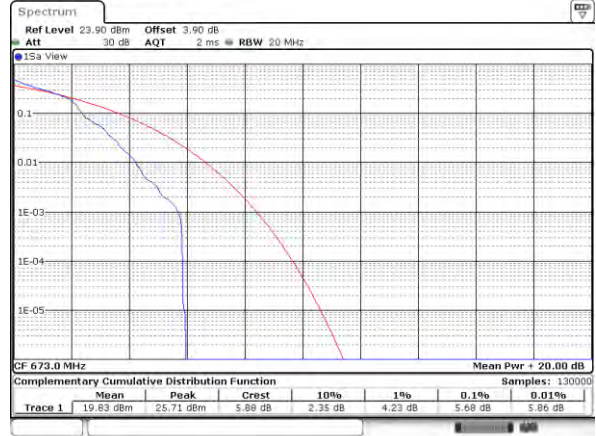
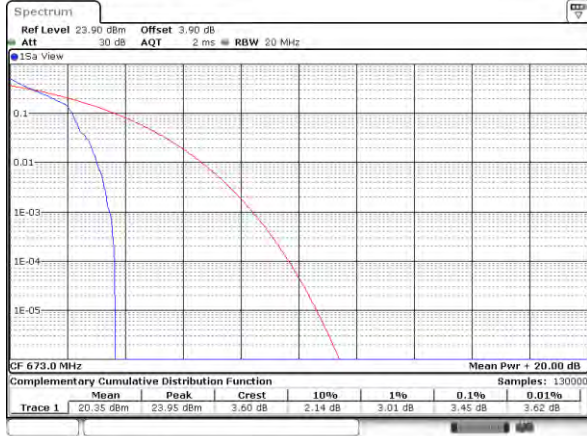
FR1 n71 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / 1RB

Lowest Channel / 1RB

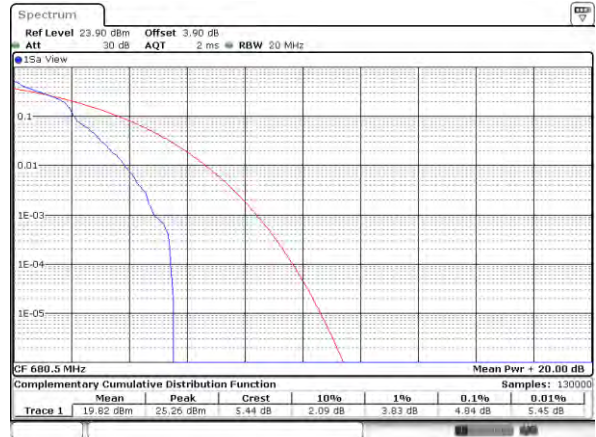
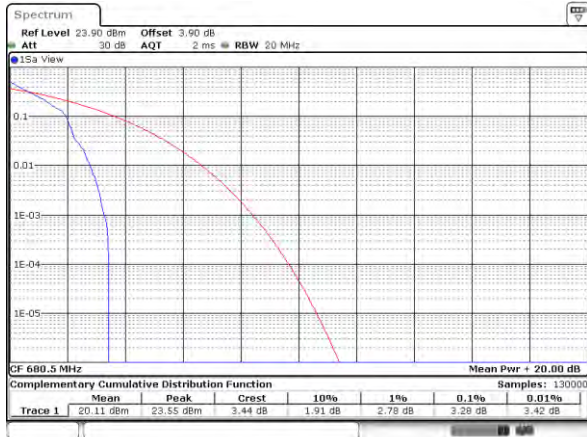


Date: 19_JAN_2021 00:07:57

Date: 19_JAN_2021 00:07:41

Middle Channel / 1 RB

Middle Channel / 1 RB

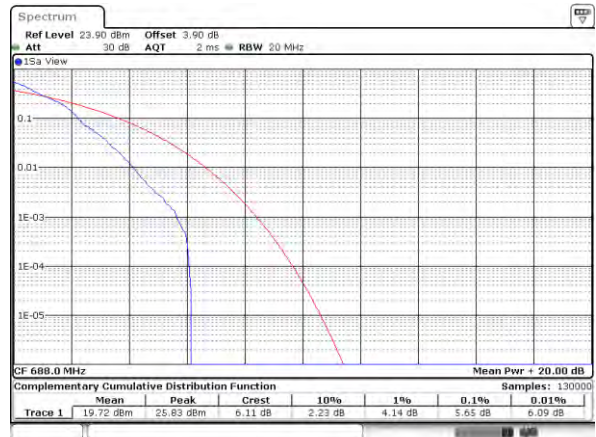
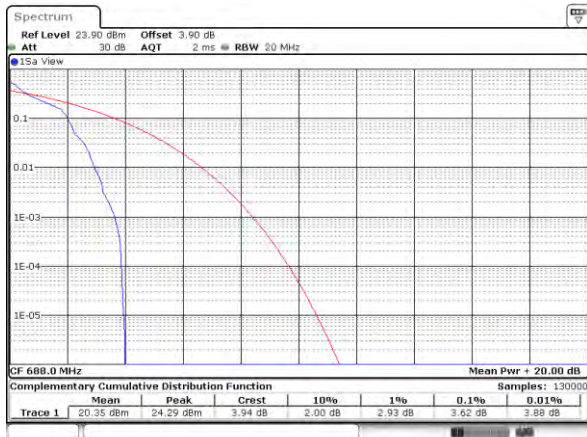


Date: 19_JAN_2021 00:10:14

Date: 19_JAN_2021 00:10:04

Highest Channel / 1 RB

Highest Channel / 1 RB



Date: 19_JAN_2021 00:09:15

Date: 19_JAN_2021 00:09:22