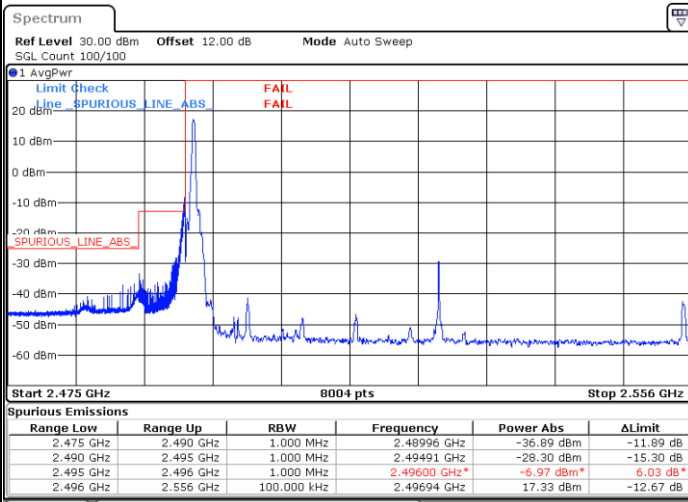




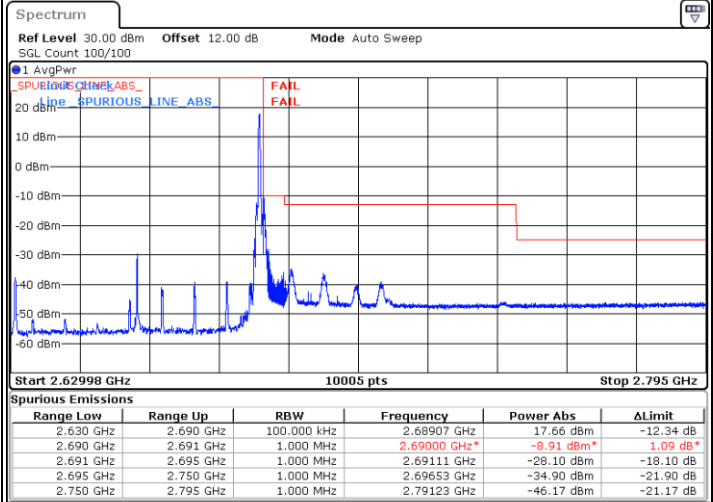
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



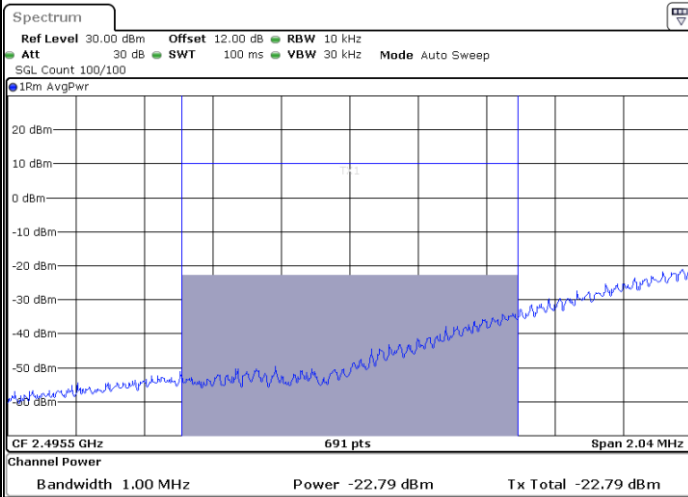
Date: 23.OCT.2020 12:51:28



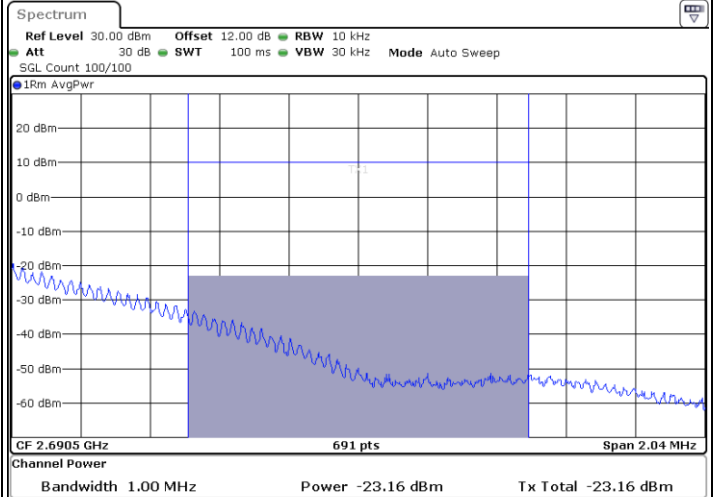
Date: 23.OCT.2020 13:03:22

Channel power -22.79dbm<-13dbm (Pass)

Channel power -23.16dbm<-10dbm (Pass)



Date: 23.OCT.2020 15:36:41



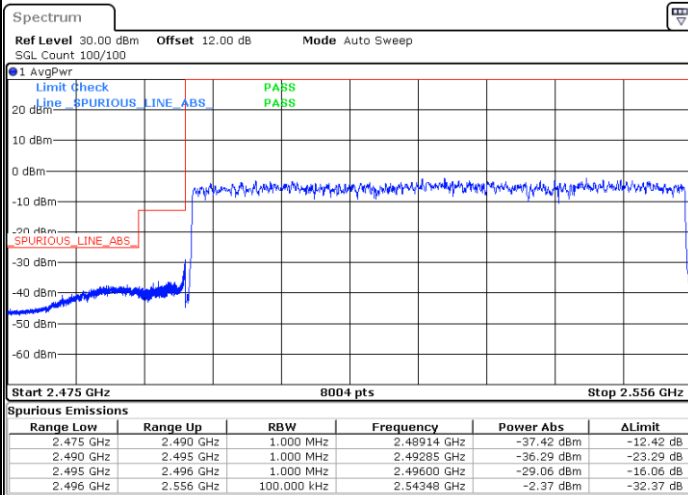
Date: 23.OCT.2020 15:37:55



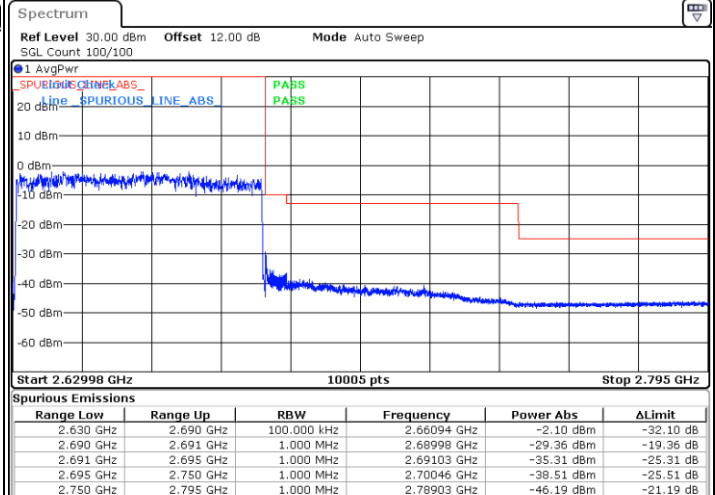
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 12:56:15



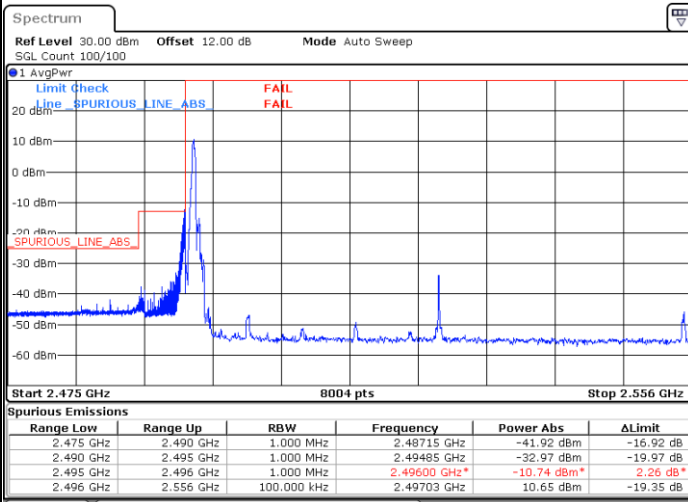
Date: 23.OCT.2020 12:59:16



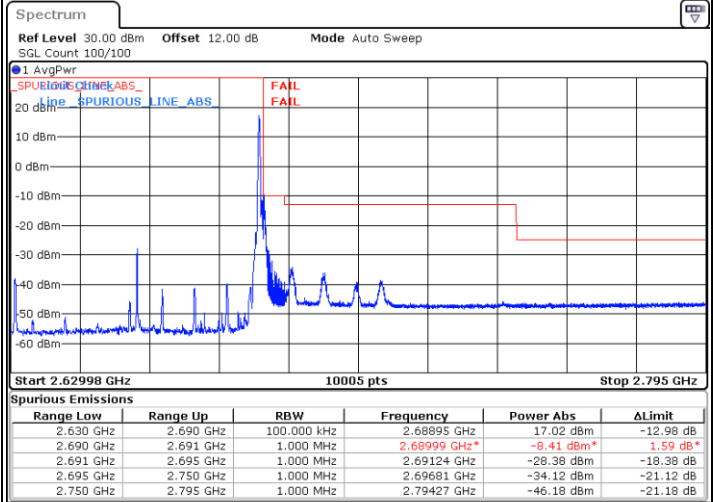
FR1 n41 / 60MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



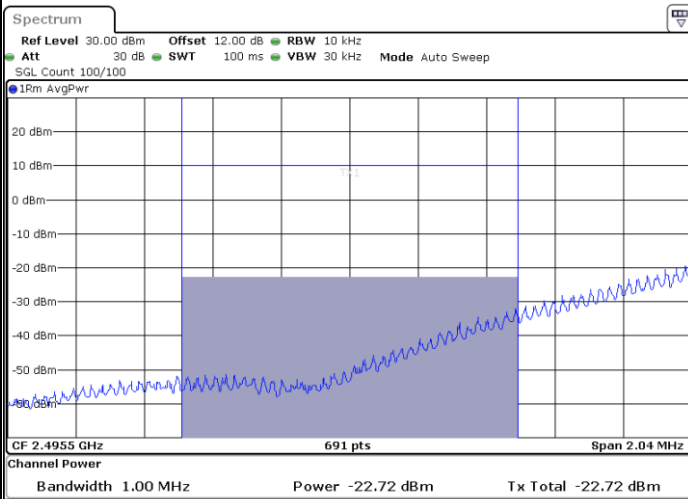
Date: 23.OCT.2020 12:53:38



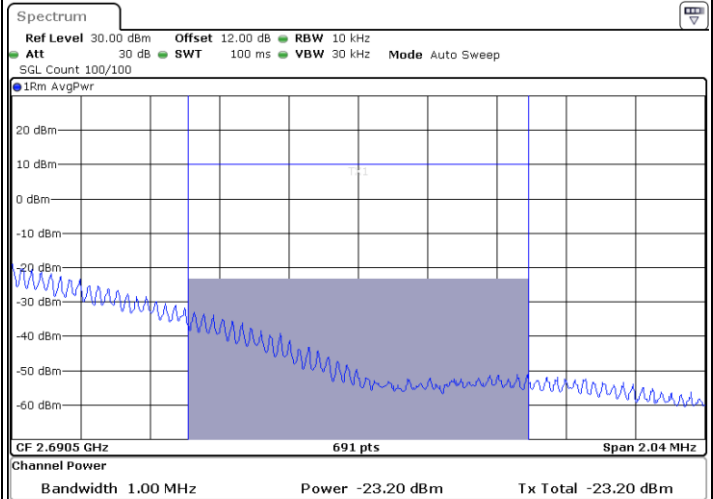
Date: 23.OCT.2020 13:02:51

Channel power -22.72dbm<-13dbm (Pass)

Channel power -23.2dbm<-10dbm (Pass)



Date: 23.OCT.2020 15:35:19



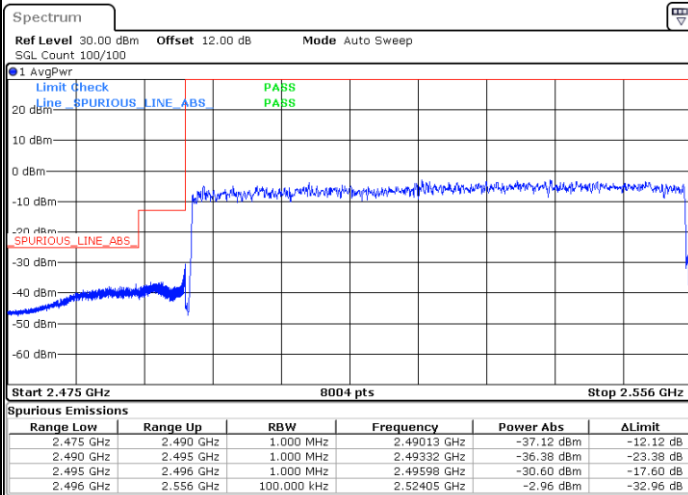
Date: 23.OCT.2020 15:39:09



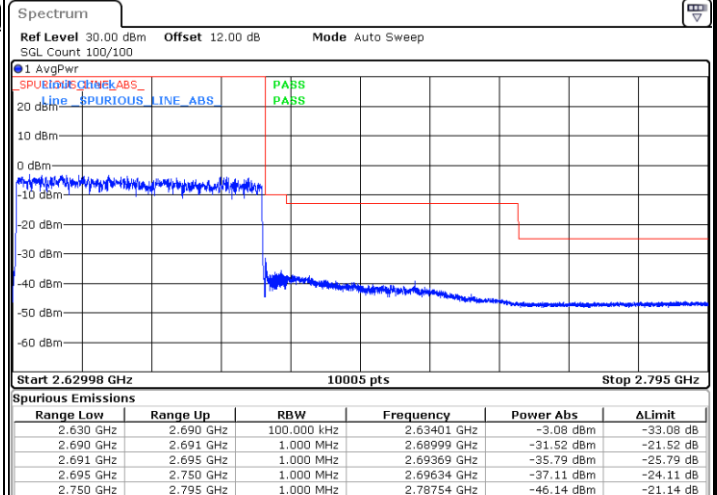
FR1 n41 / 60MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 12:55:28

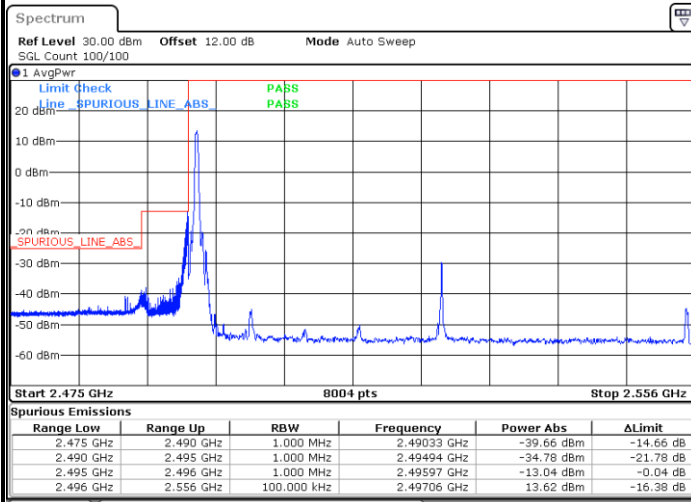


Date: 23.OCT.2020 13:00:59

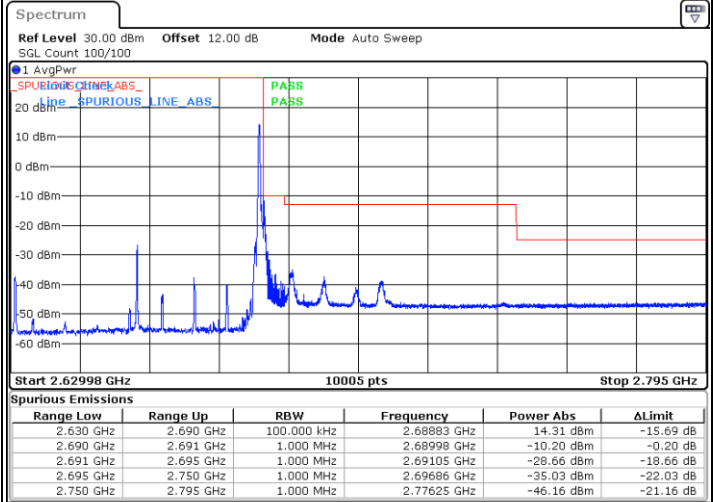


FR1 n41 / 60MHz / DFT-S OFDM / 64QAM

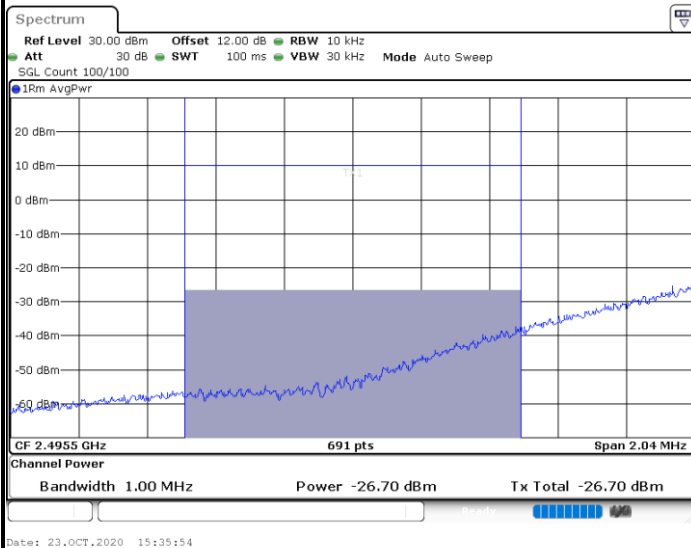
Lowest Band Edge / 1RB0



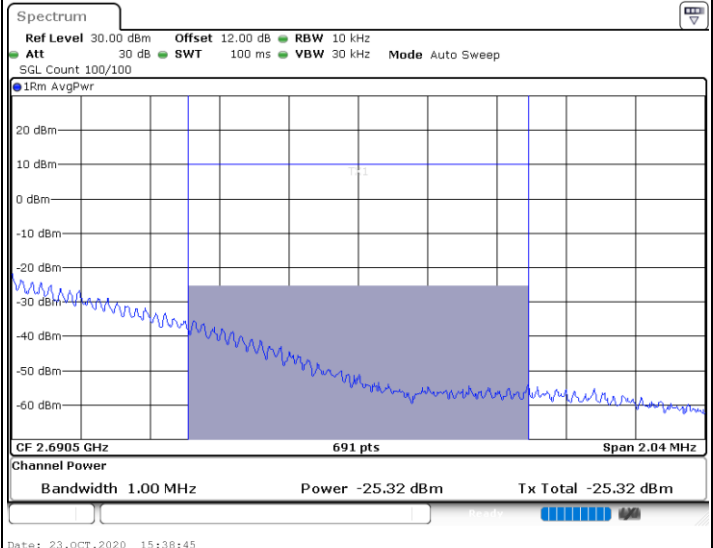
Highest Band Edge / 1RBmax



Channel power -26.7dbm<-13dbm (Pass)



Channel power -25.32dbm<-10dbm (Pass)

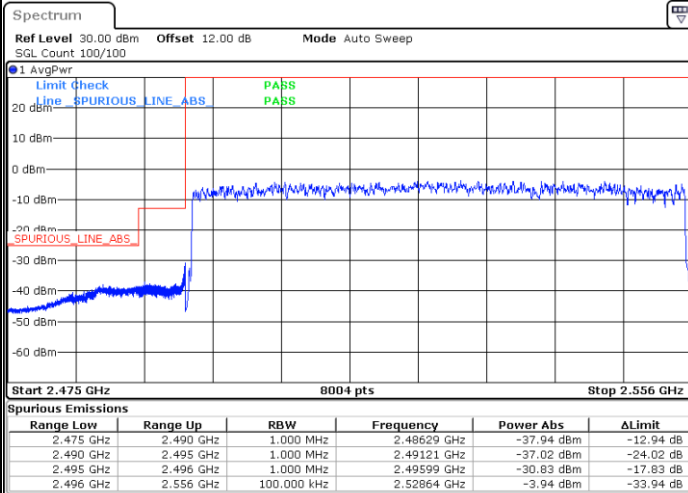




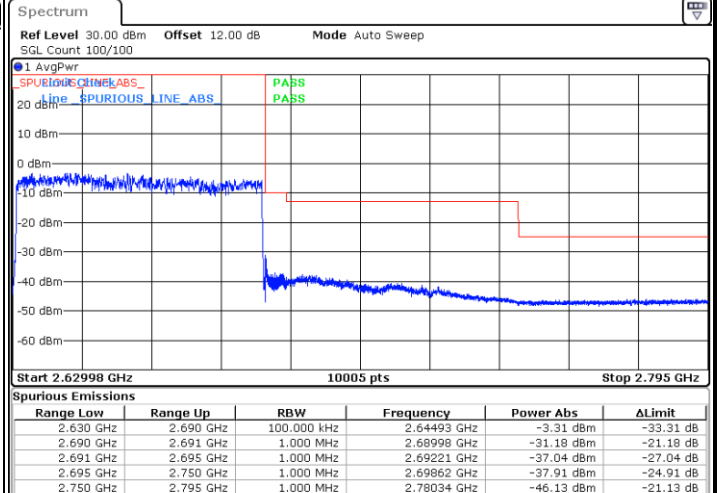
FR1 n41 / 60MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 12:54:52

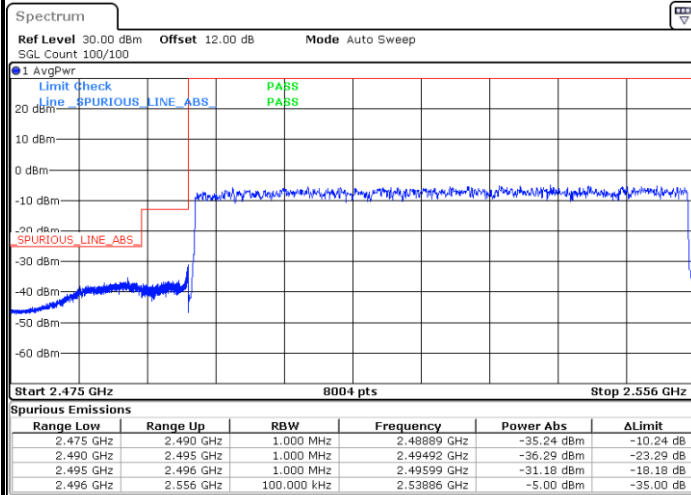


Date: 23.OCT.2020 13:01:38



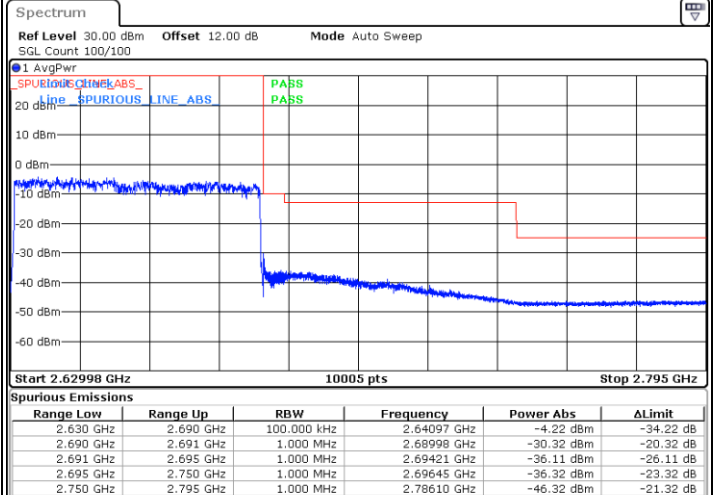
FR1 n41 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Date: 23.OCT.2020 12:56:53

Highest Band Edge / Full RB



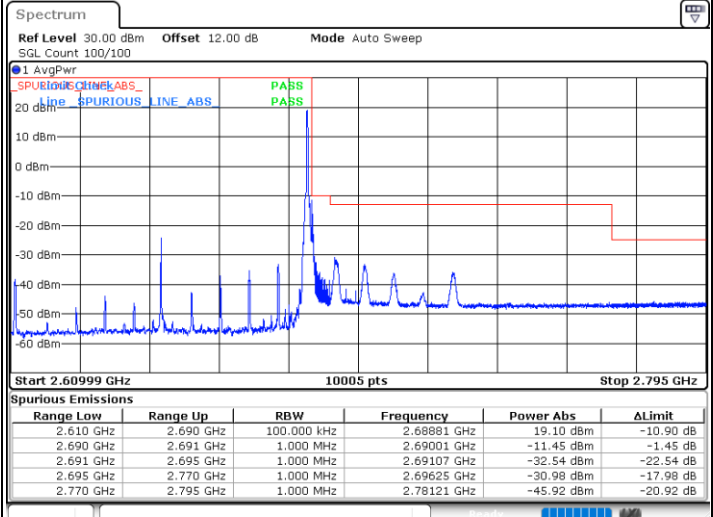
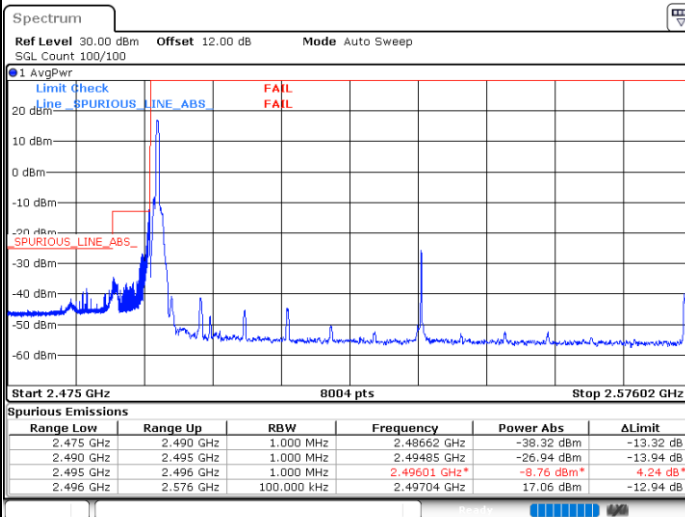
Date: 23.OCT.2020 13:00:00



FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK

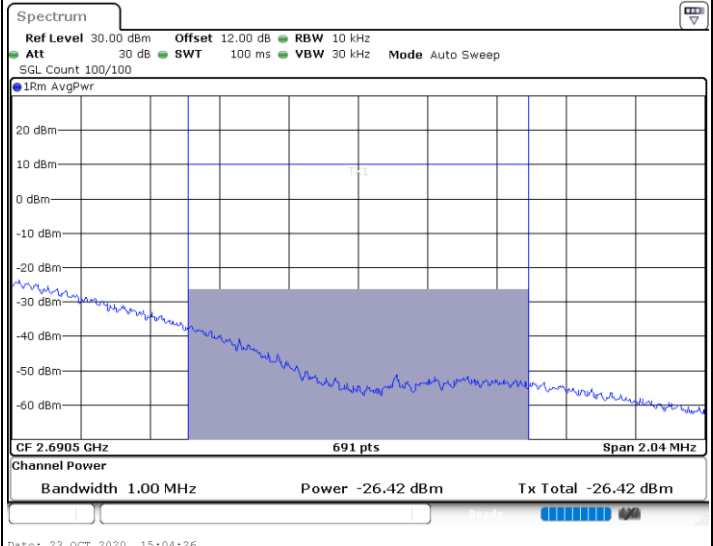
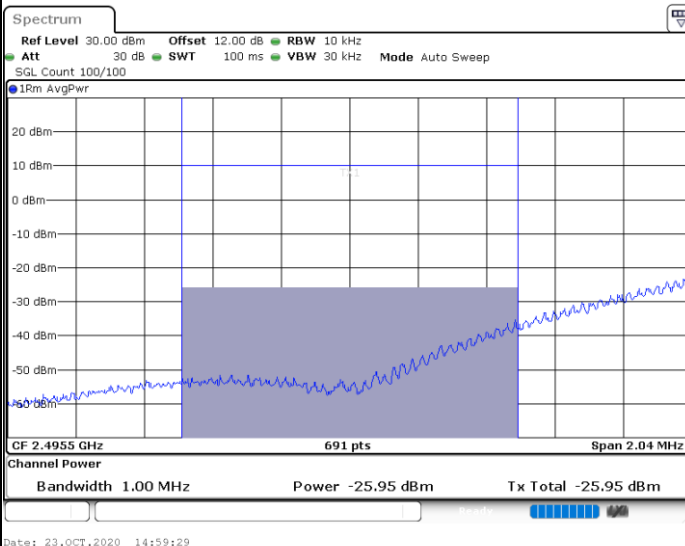
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -25.95dbm<-13dbm (Pass)

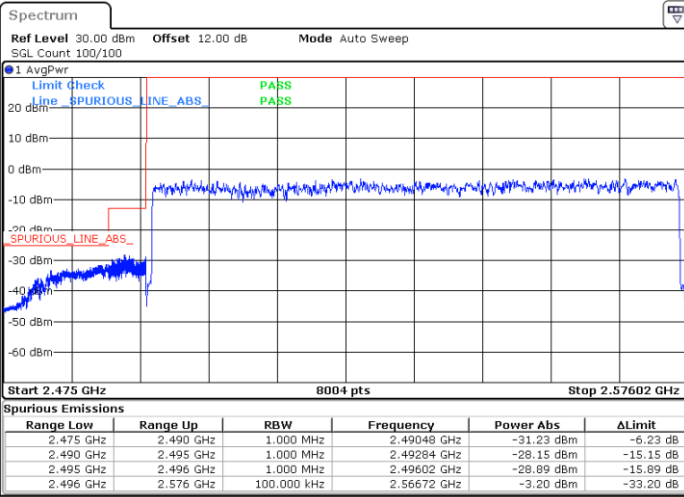
Channel power -26.42dbm<-10dbm (Pass)





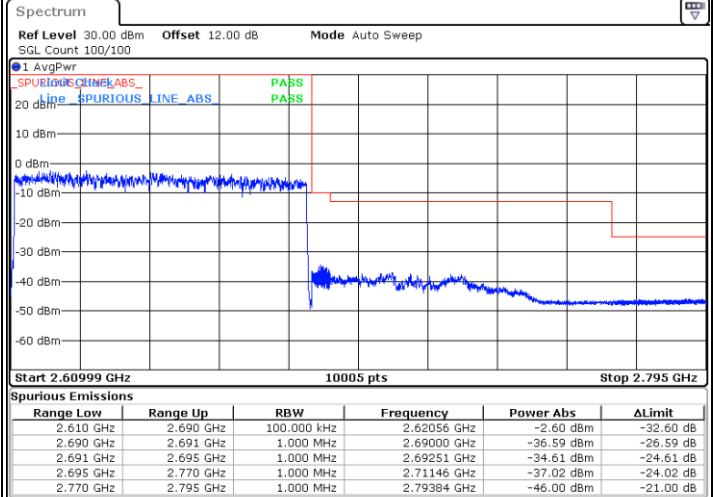
FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



Date: 23.OCT.2020 11:22:08

Highest Band Edge / Full RB



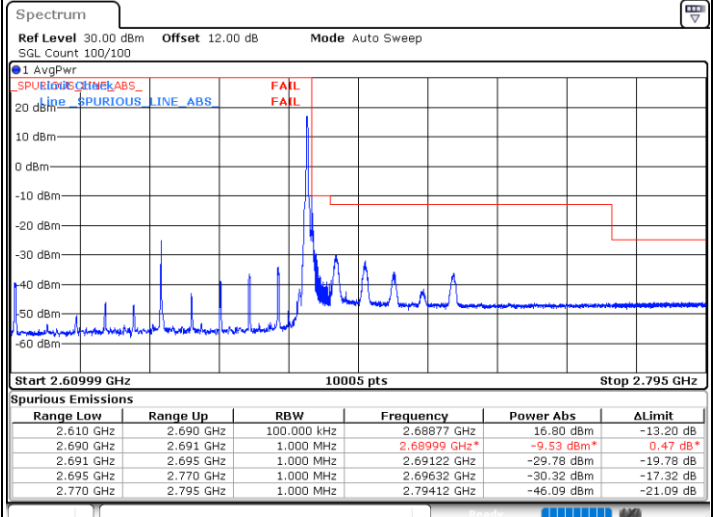
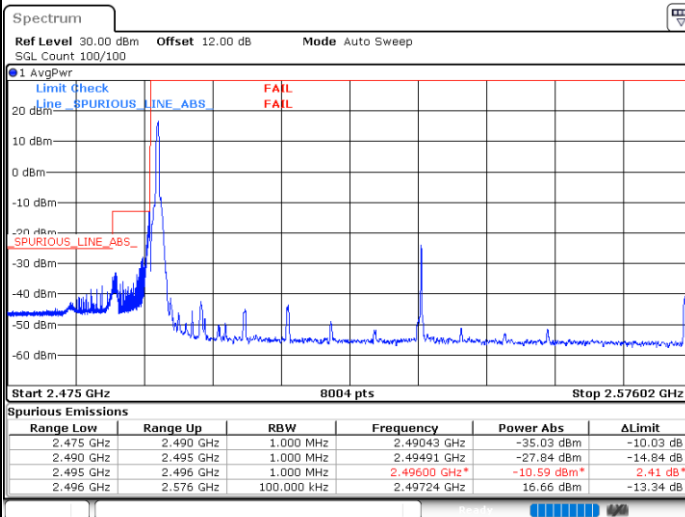
Date: 23.OCT.2020 11:51:13



FR1 n41 / 80MHz / DFT-S OFDM / QPSK

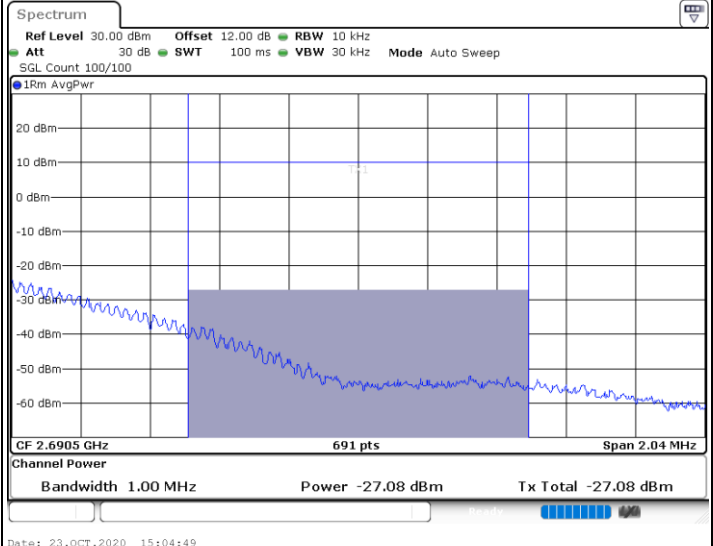
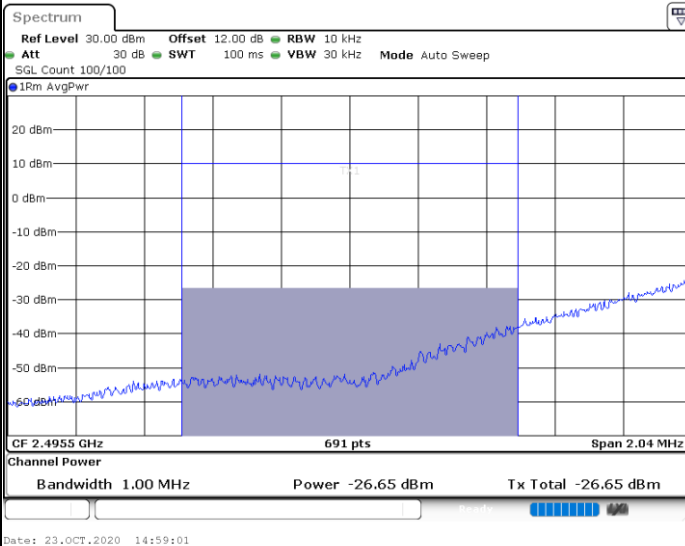
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -26.65dbm<-13dbm (Pass)

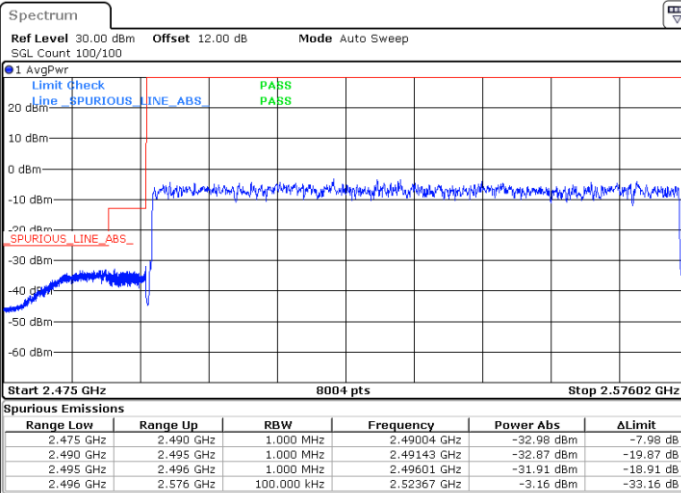
Channel power -27.08dbm<-10dbm (Pass)





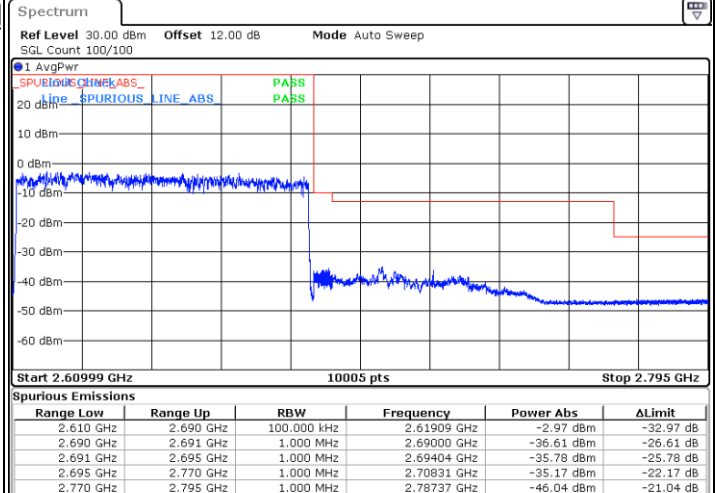
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Date: 23.OCT.2020 11:23:05

Highest Band Edge / Full RB



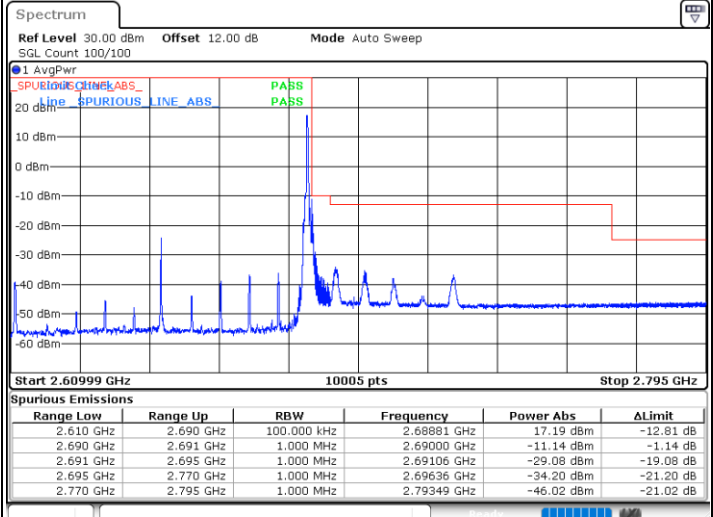
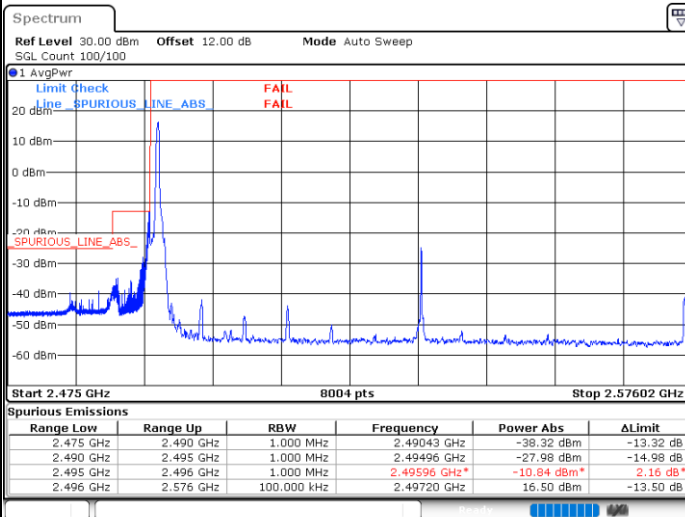
Date: 23.OCT.2020 11:49:19



FR1 n41 / 80MHz / DFT-S OFDM / 16QAM

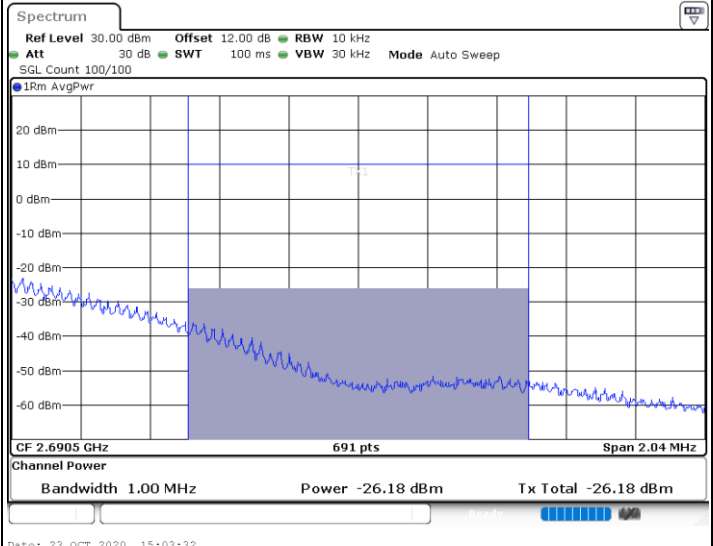
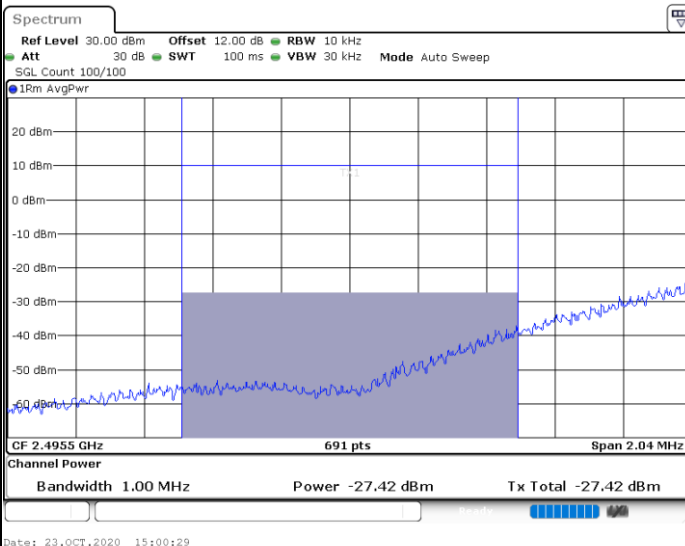
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -27.42dbm<-13dbm (Pass)

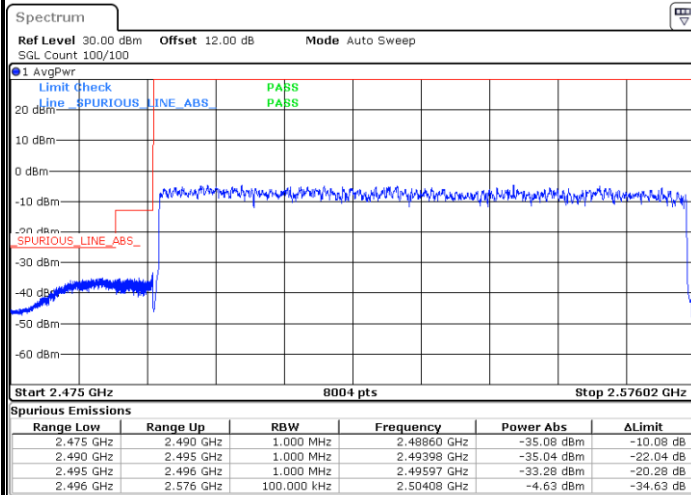
Channel power -26.18dbm<-10dbm (Pass)





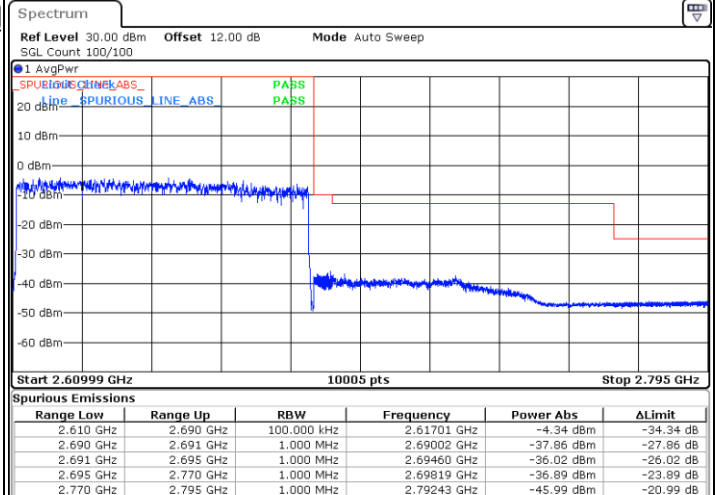
FR1 n41 / 80MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB



Date: 23.OCT.2020 11:23:39

Highest Band Edge / Full RB



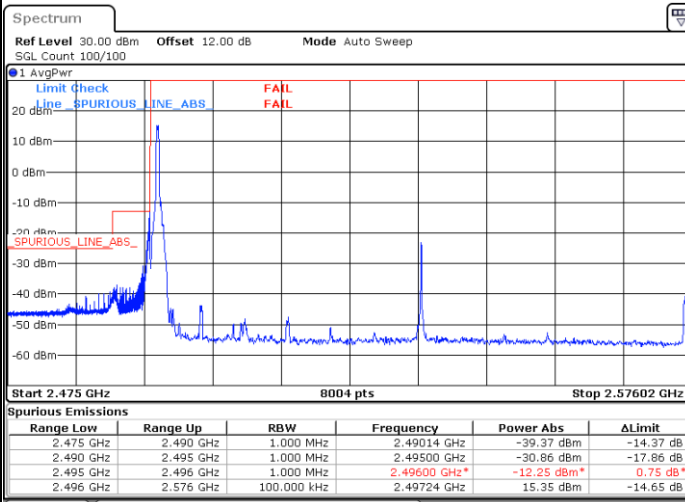
Date: 23.OCT.2020 11:41:43



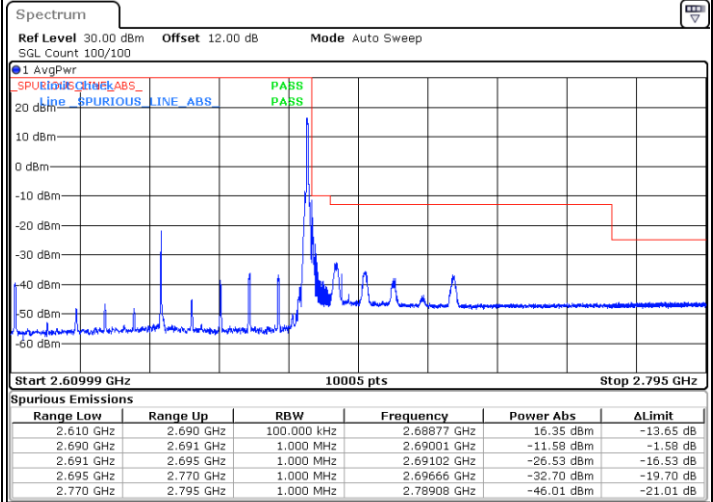
FR1 n41 / 80MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



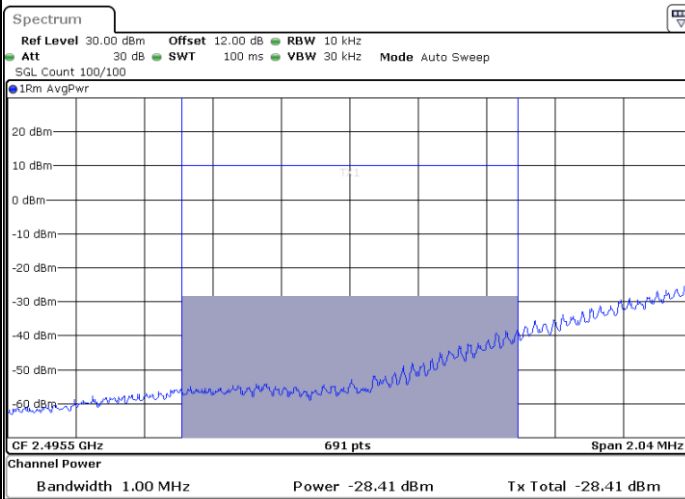
Date: 23.OCT.2020 14:41:53



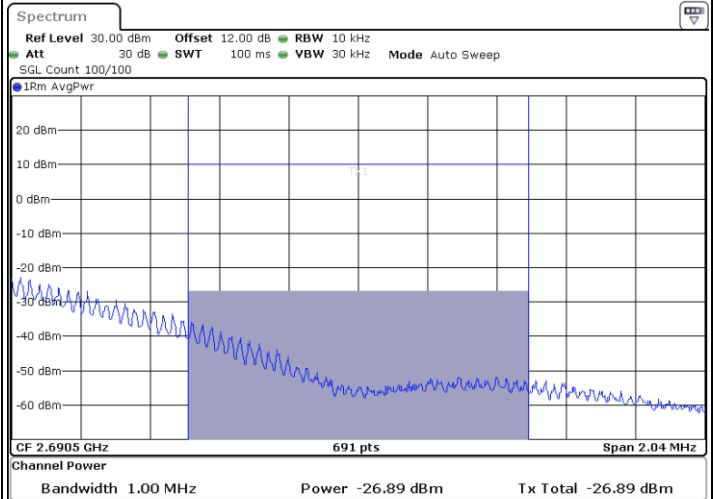
Date: 23.OCT.2020 11:40:28

Channel power -28.41dbm<-13dbm (Pass)

Channel power -26.89dbm<-10dbm (Pass)



Date: 23.OCT.2020 15:00:00



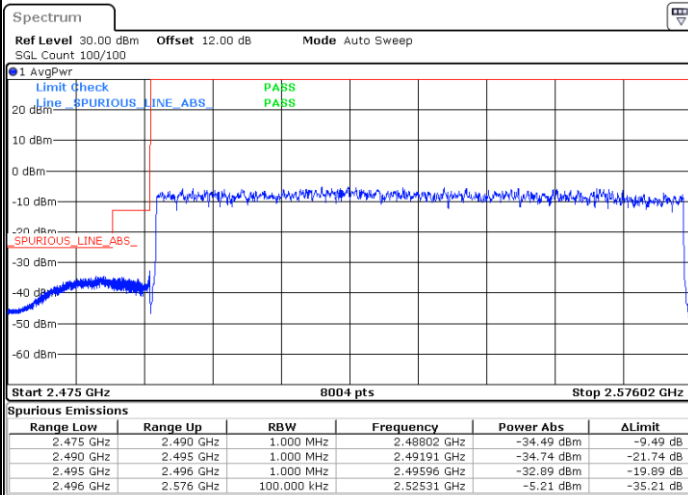
Date: 23.OCT.2020 15:04:03



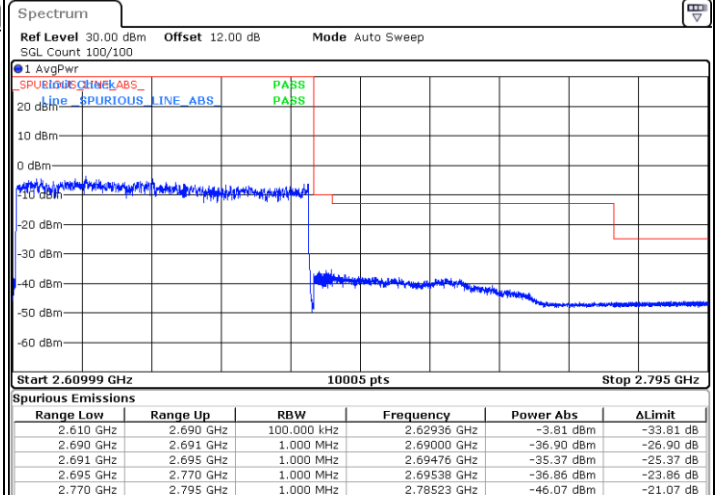
FR1 n41 / 80MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 11:24:42

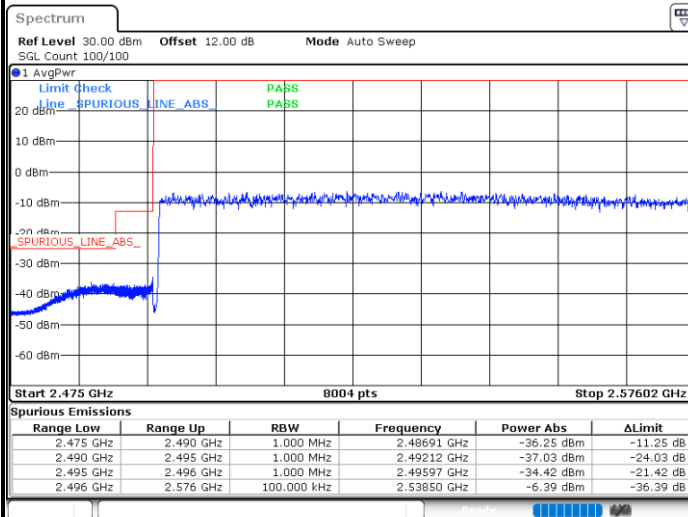


Date: 23.OCT.2020 11:41:07

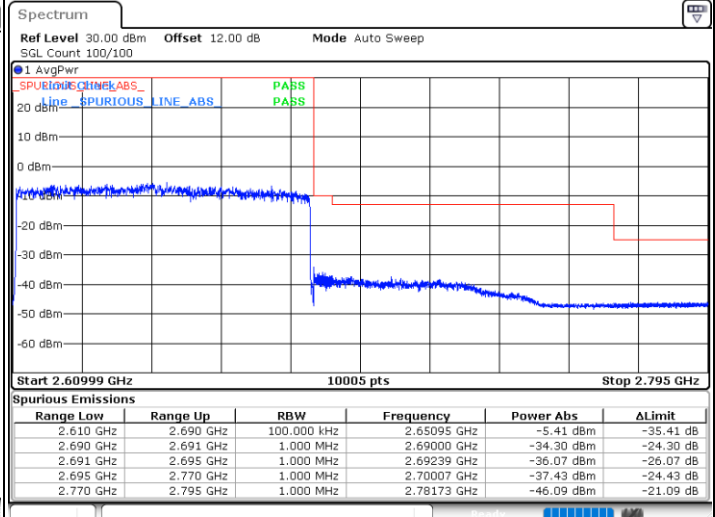


FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

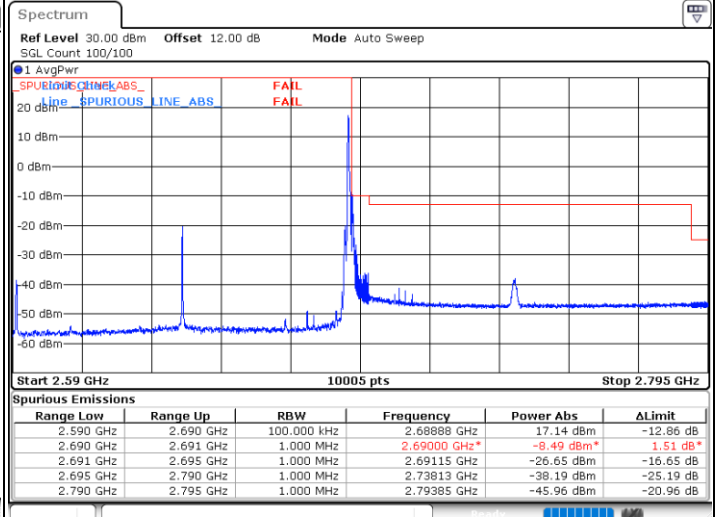
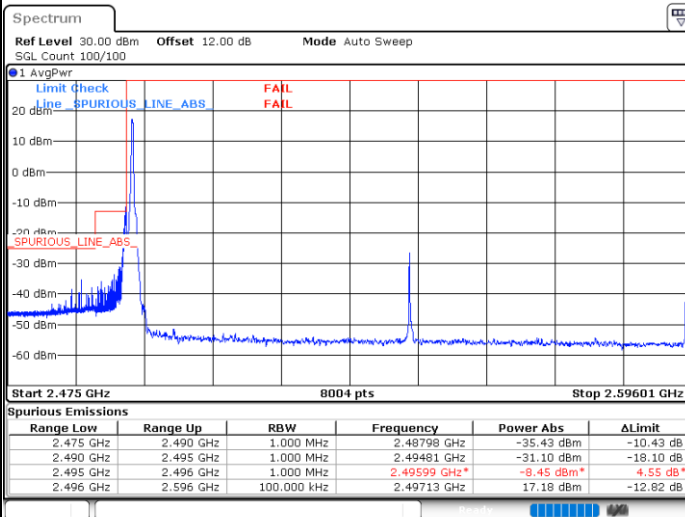




FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

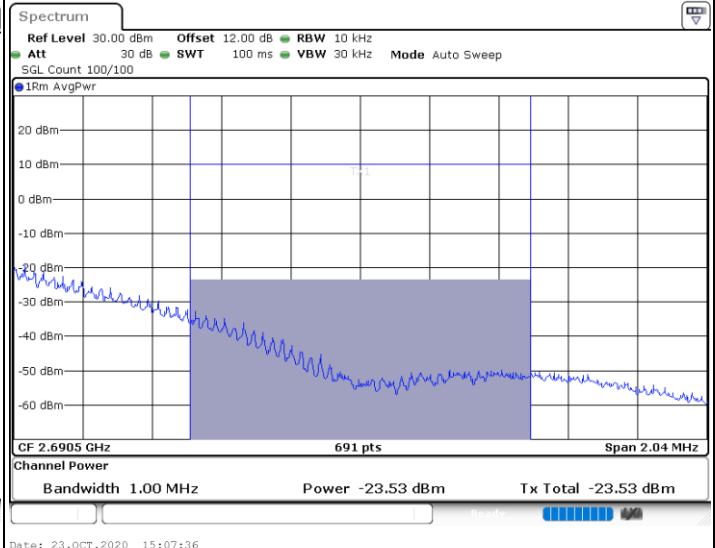
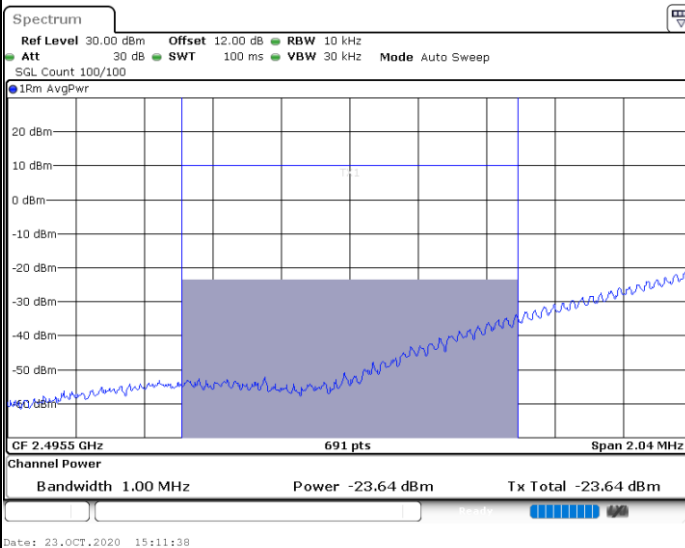
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -23.64dbm<-13dbm (Pass)

Channel power -23.53dbm<-10dbm (Pass)

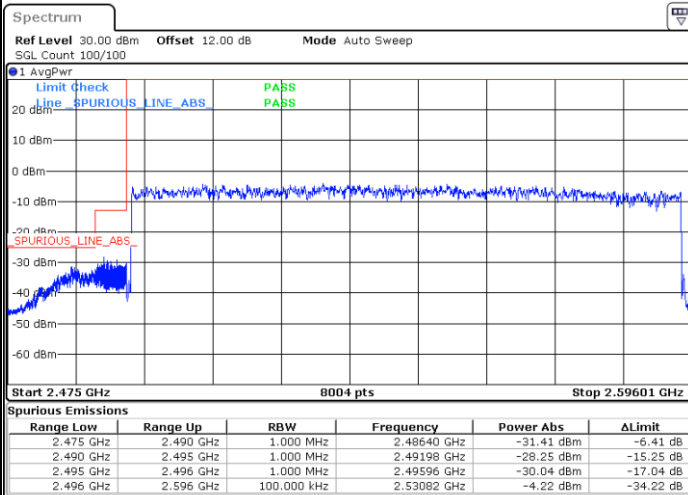




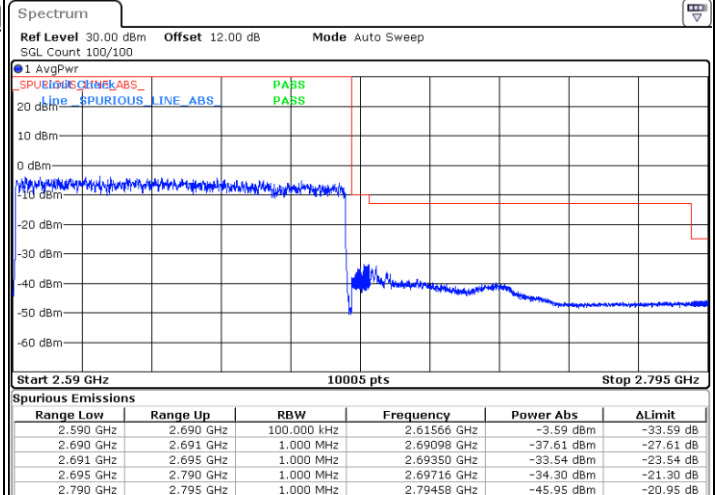
FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 11:00:40

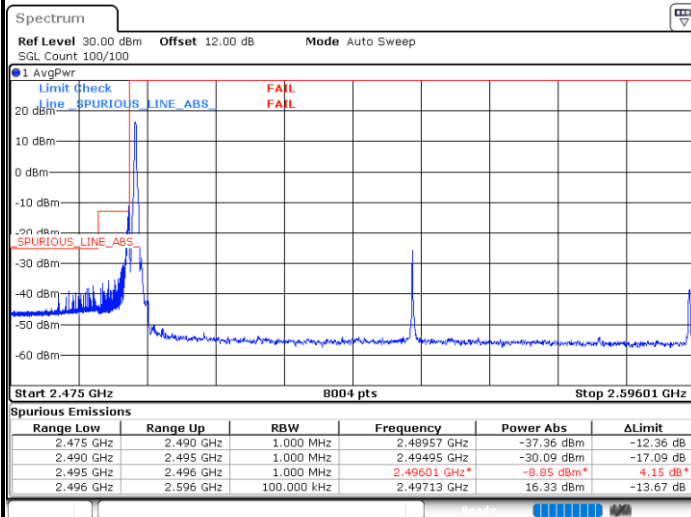


Date: 23.OCT.2020 11:12:53

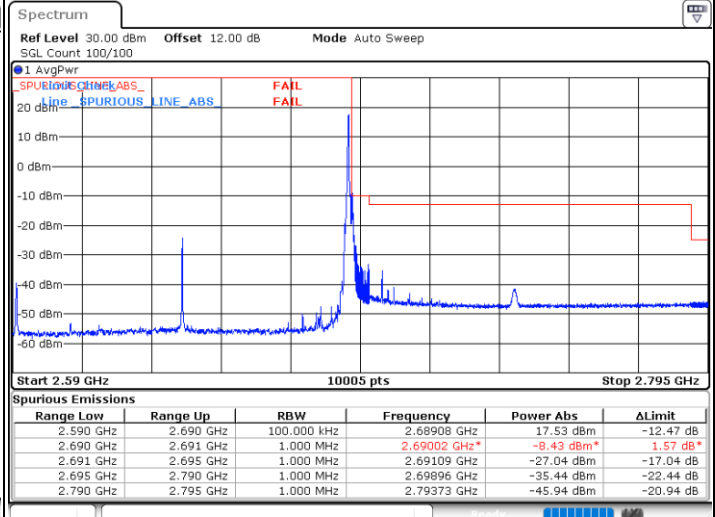


FR1 n41 / 100MHz / DFT-S OFDM / QPSK

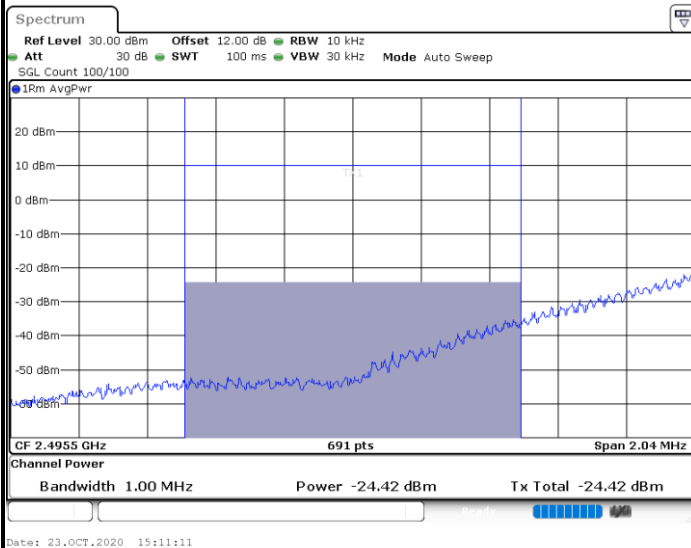
Lowest Band Edge / 1RB0



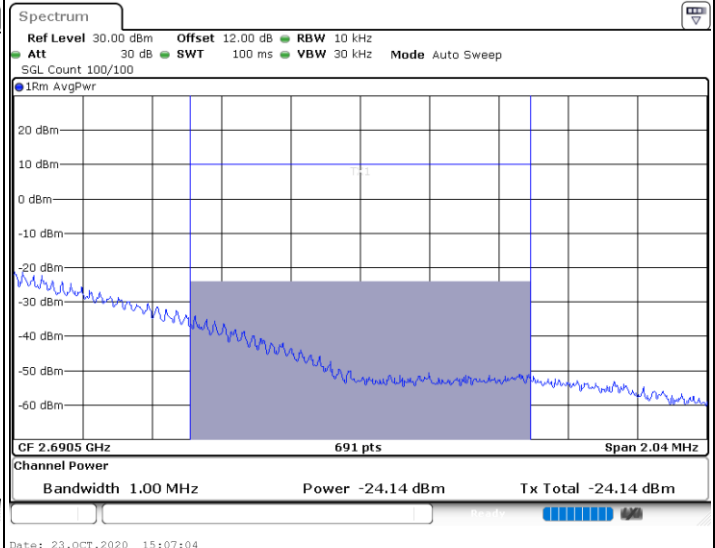
Highest Band Edge / 1RBmax



Channel power -24.42dbm<-13dbm (Pass)



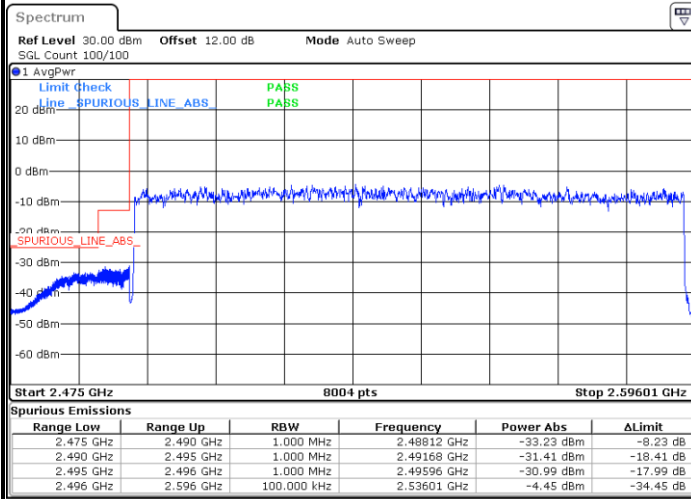
Channel power -24.14dbm<-10dbm (Pass)





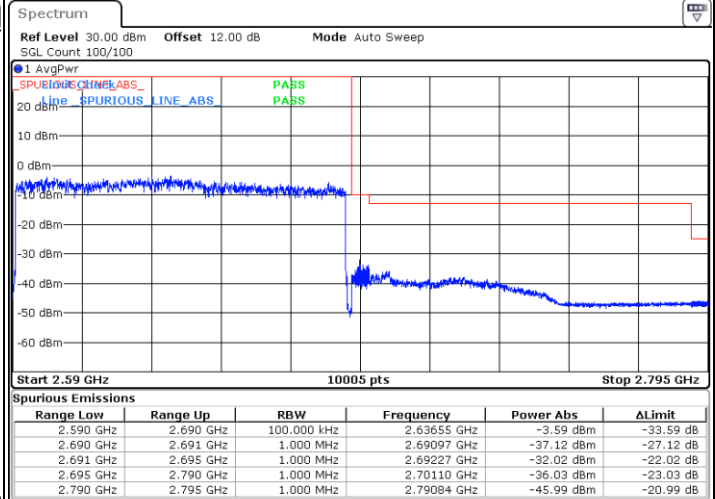
FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Date: 23.OCT.2020 10:59:28

Highest Band Edge / Full RB



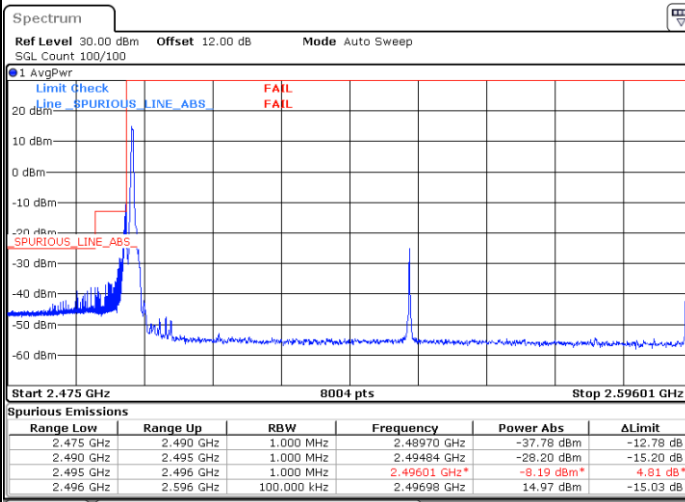
Date: 23.OCT.2020 11:09:47



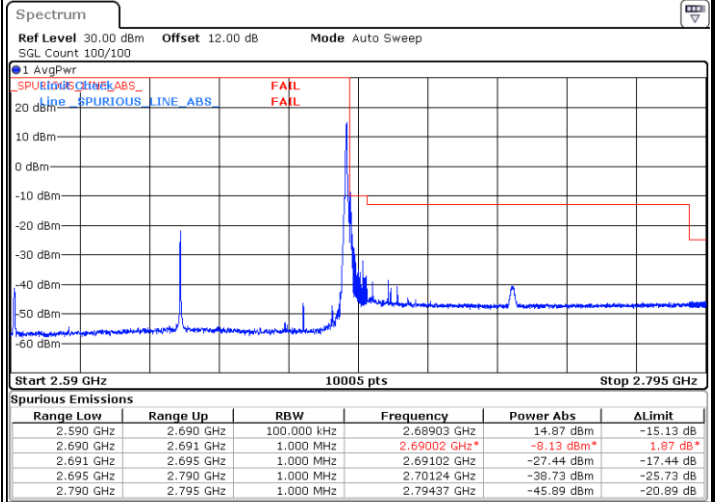
FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



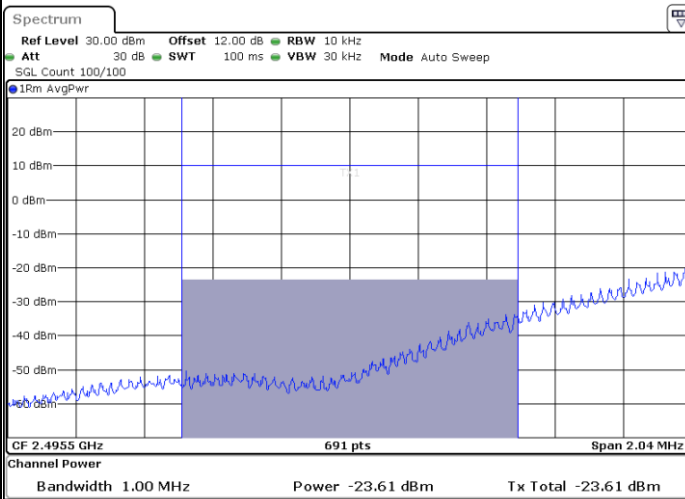
Date: 23.OCT.2020 10:53:35



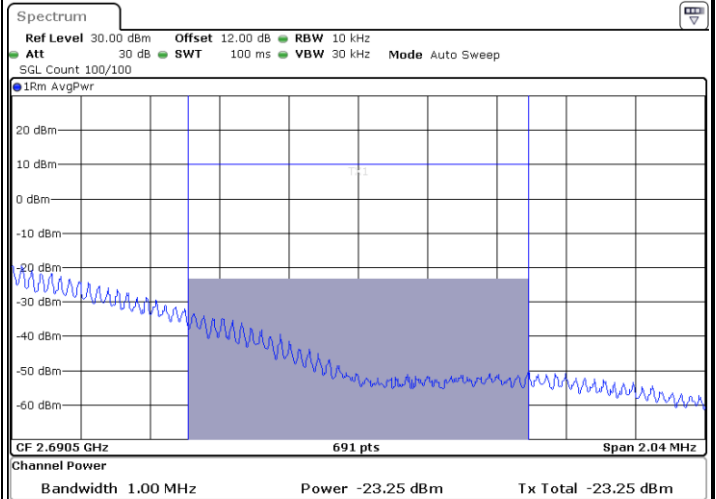
Date: 23.OCT.2020 11:05:58

Channel power -25.42dbm<-10dbm (Pass)

Channel power -25.42dbm<-10dbm (Pass)



Date: 23.OCT.2020 15:12:32



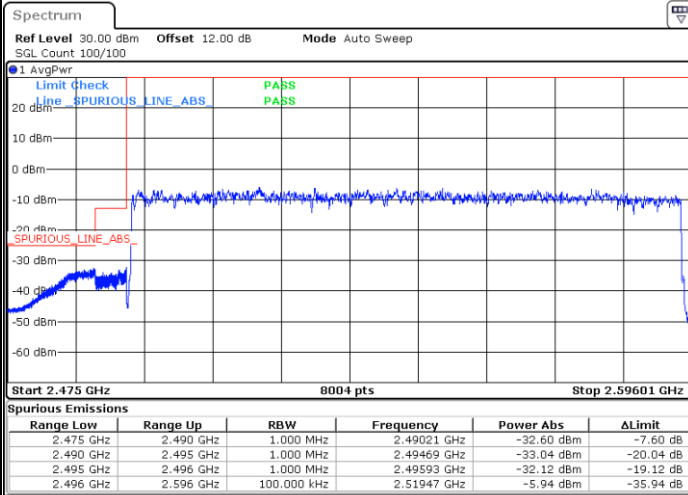
Date: 23.OCT.2020 15:08:35



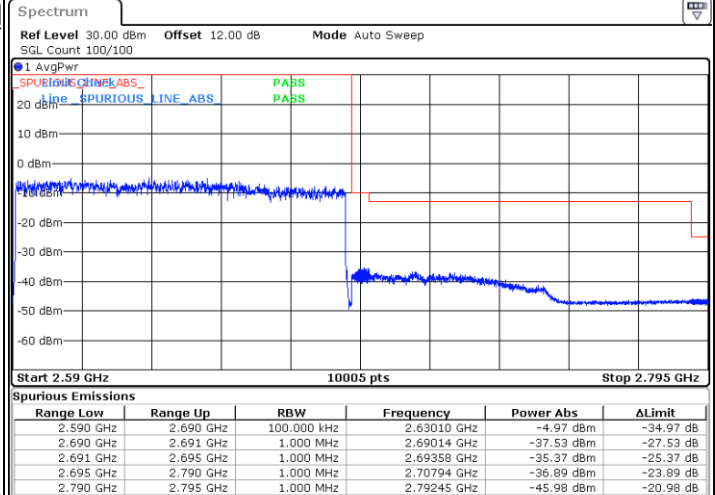
FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 10:55:32

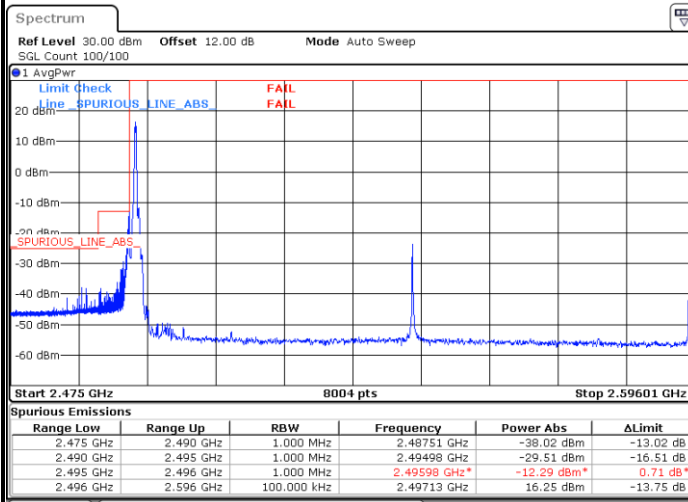


Date: 23.OCT.2020 11:09:20

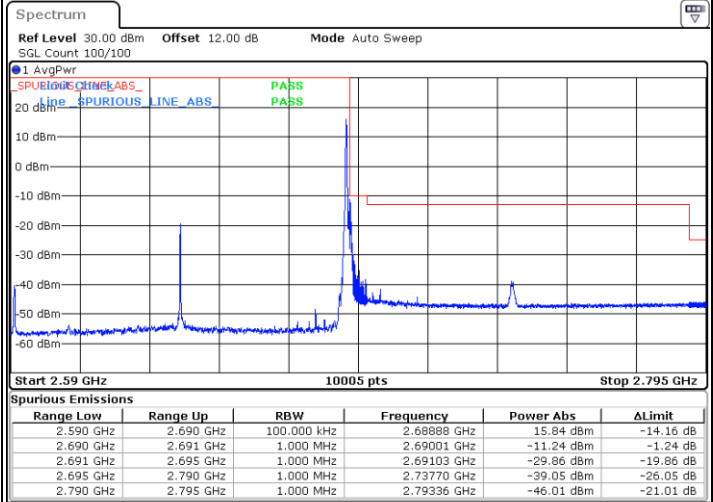


FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

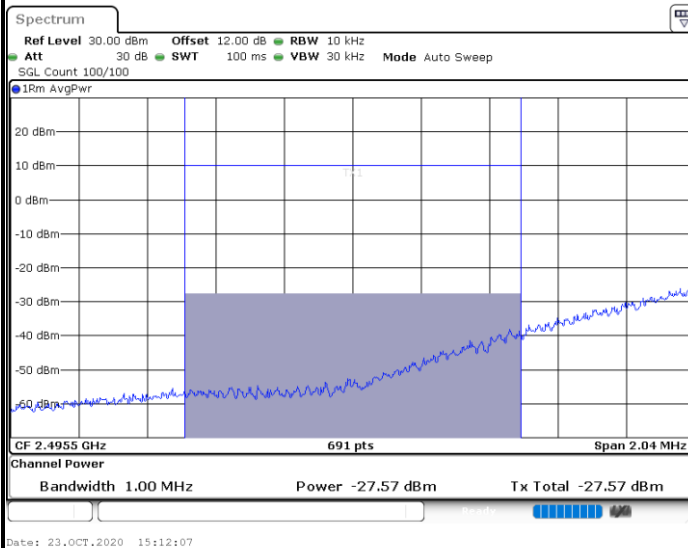
Lowest Band Edge / 1RB0



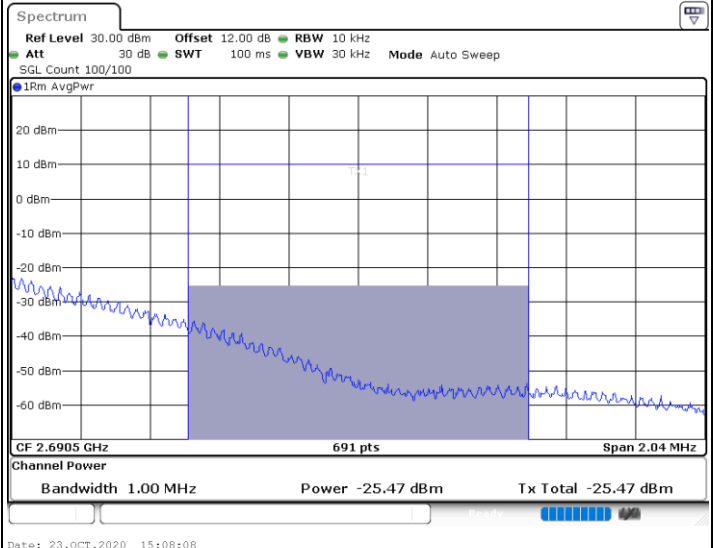
Highest Band Edge / 1RBmax



Channel power -27.57dbm<-13dbm (Pass)



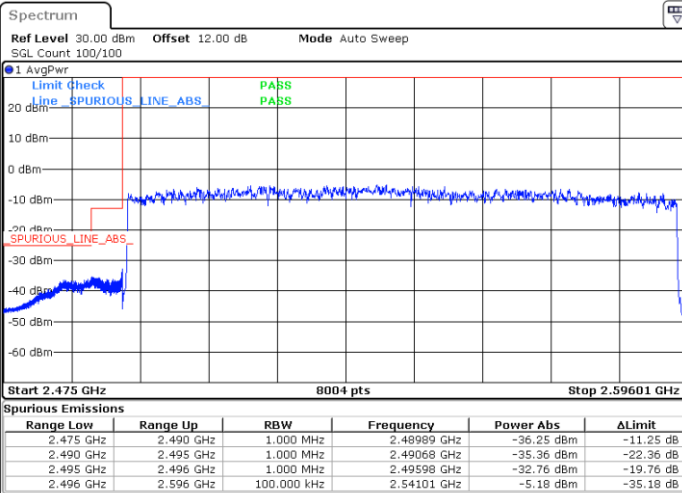
Channel power -25.47dbm<-10dbm (Pass)





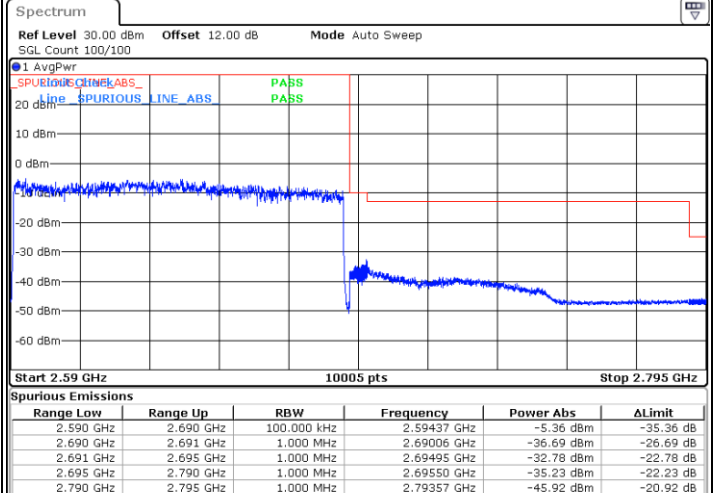
FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



Date: 23.OCT.2020 10:54:29

Highest Band Edge / Full RB



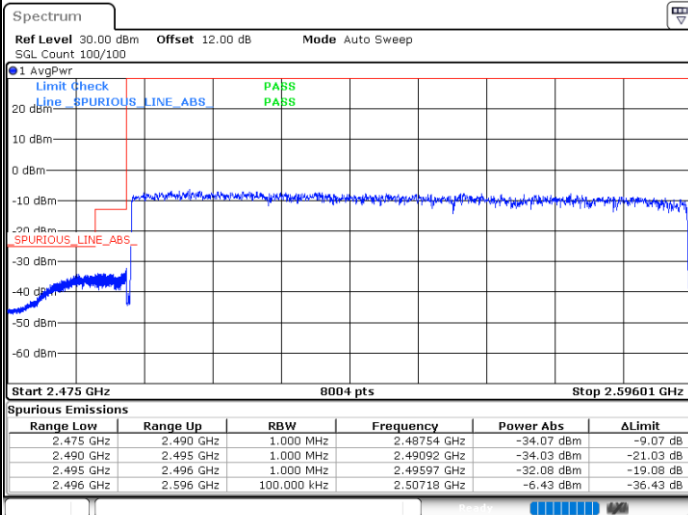
Date: 23.OCT.2020 11:08:45



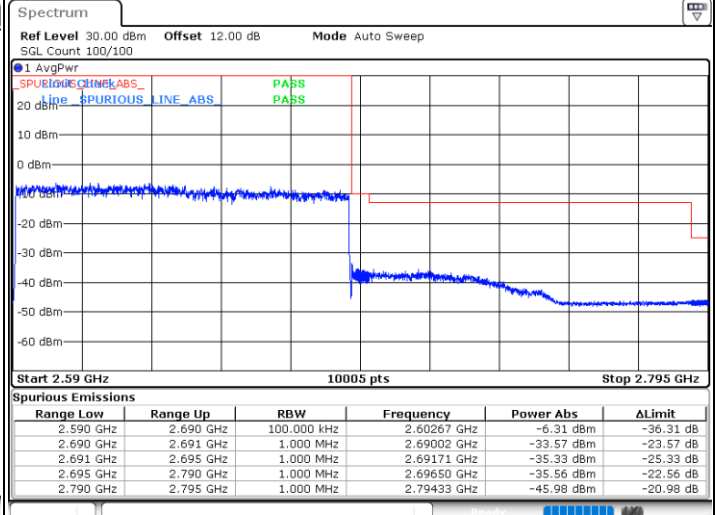
FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2020 10:59:58



Date: 23.OCT.2020 11:10:17

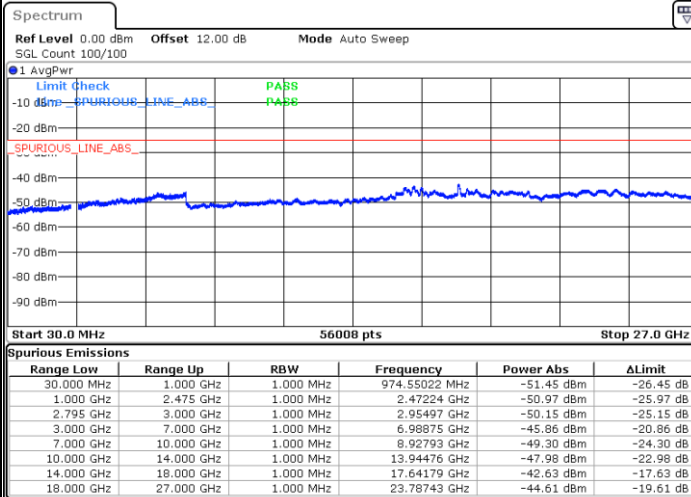


Conducted Spurious Emission

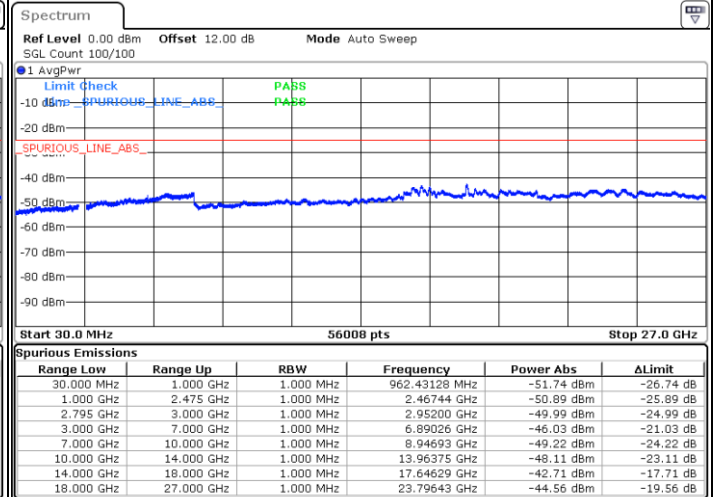
FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

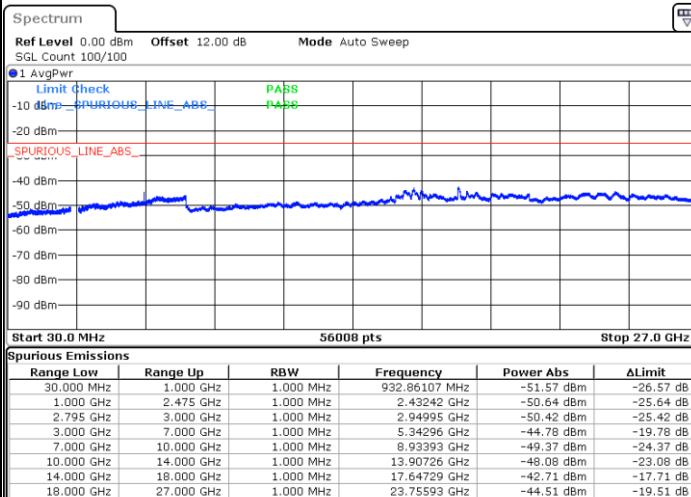


Date: 23.OCT.2020 14:07:12



Date: 23.OCT.2020 10:36:05

Highest Channel / 1RB1



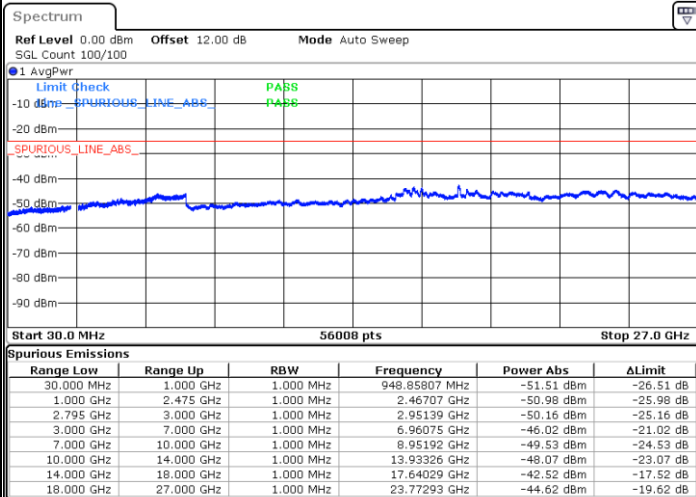
Date: 23.OCT.2020 14:15:26



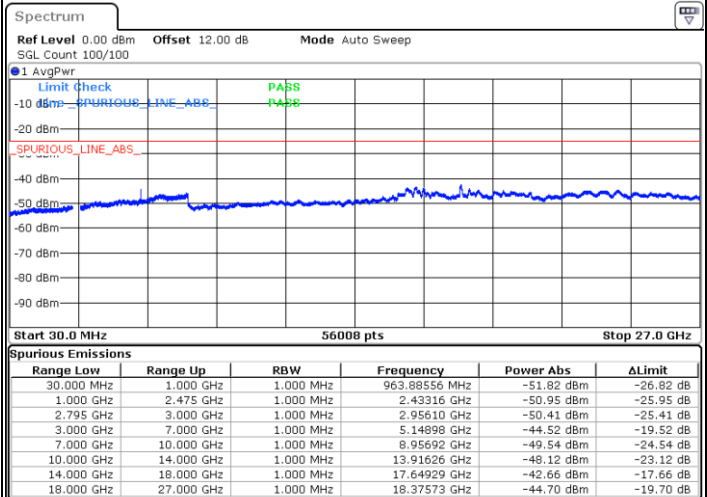
FR1 n41 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

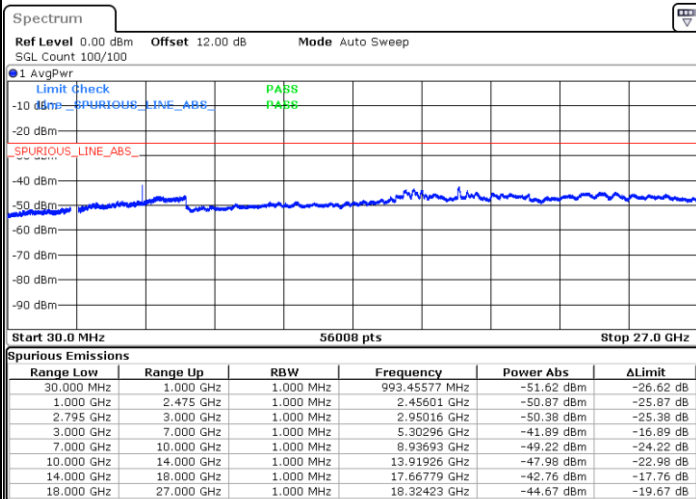


Date: 23.OCT.2020 13:39:15



Date: 23.OCT.2020 10:34:10

Highest Channel / 1RB1



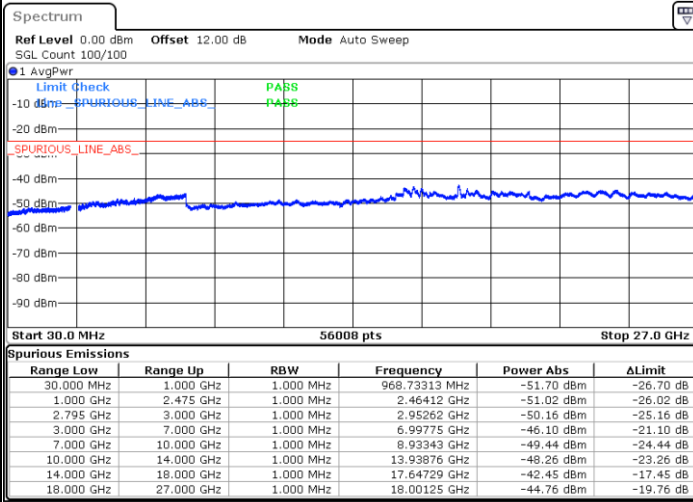
Date: 23.OCT.2020 13:45:52



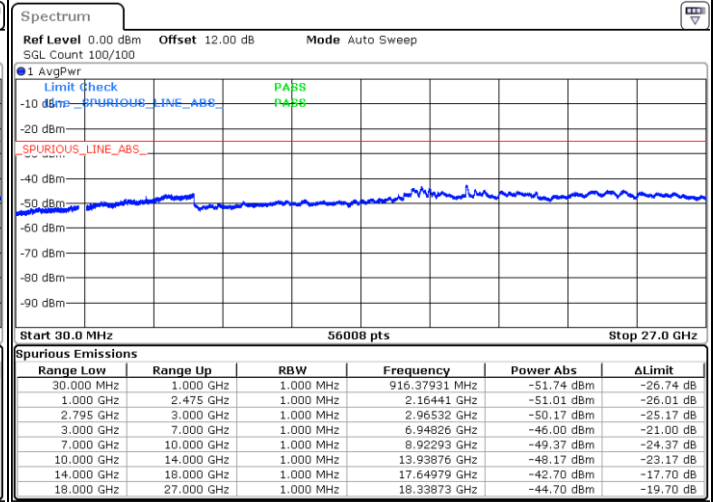
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

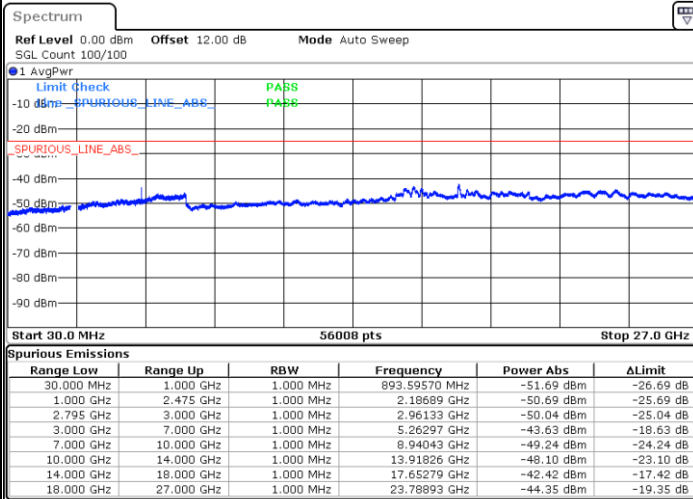


Date: 23.OCT.2020 12:52:50



Date: 23.OCT.2020 10:32:53

Highest Channel / 1RB1



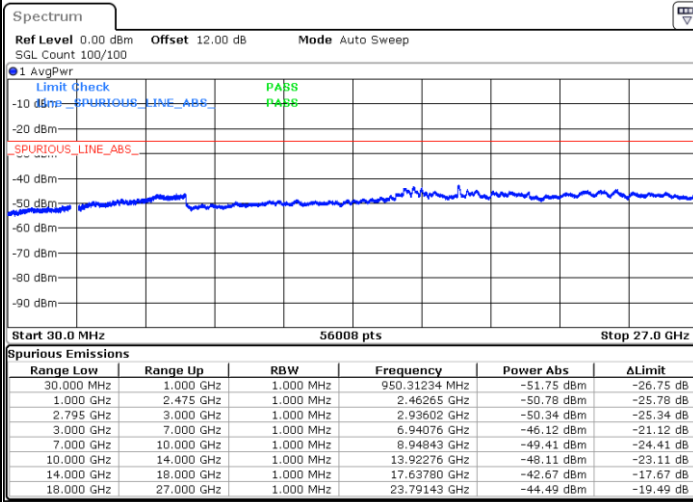
Date: 23.OCT.2020 13:04:40



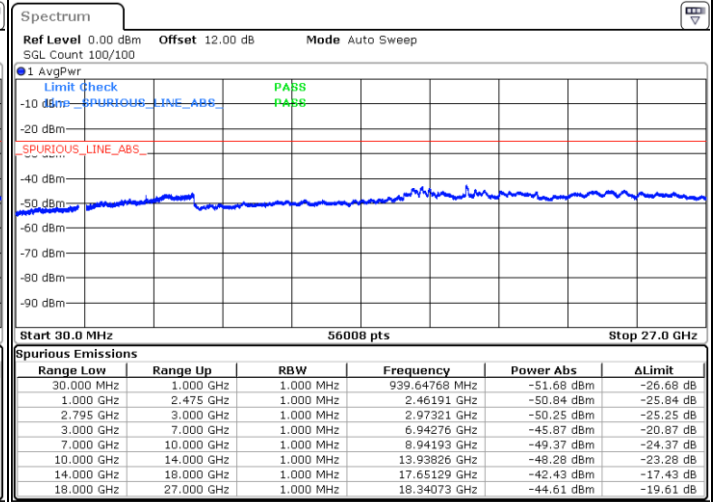
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

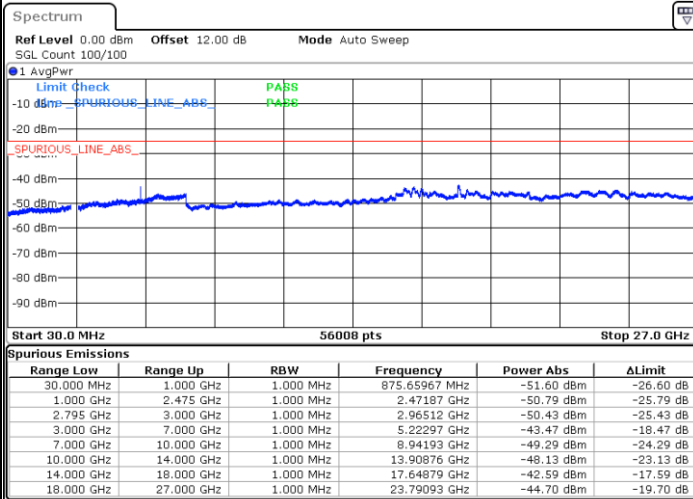


Date: 23.OCT.2020 11:26:41



Date: 23.OCT.2020 10:31:20

Highest Channel / 1RB1



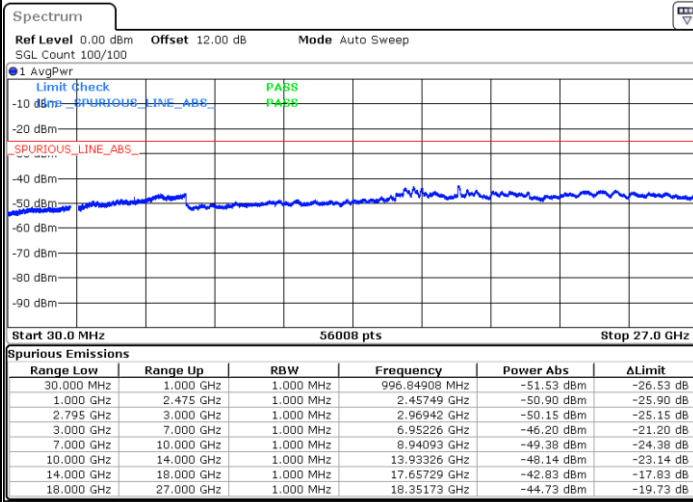
Date: 23.OCT.2020 11:37:53



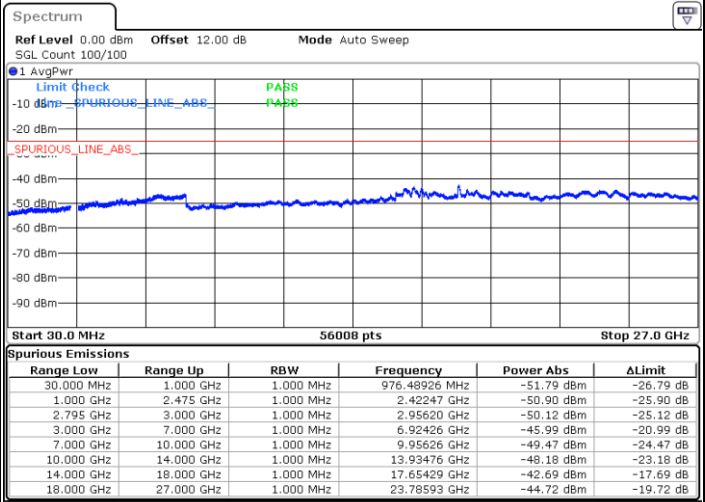
FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

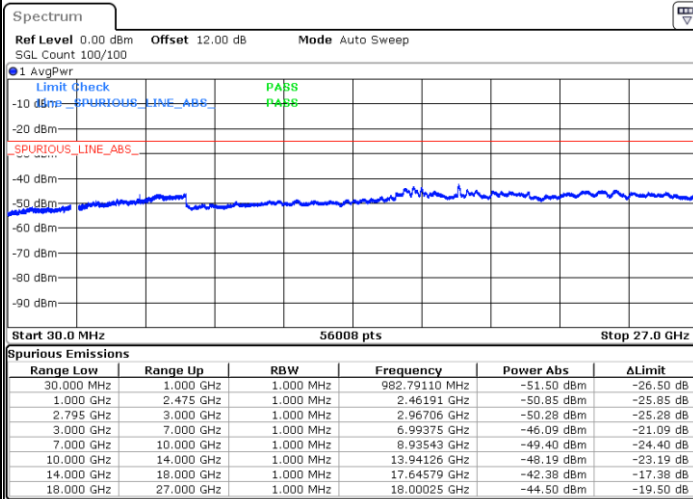


Date: 23.OCT.2020 11:02:06



Date: 23.OCT.2020 10:45:42

Highest Channel / 1RB1



Date: 23.OCT.2020 11:04:07

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0161	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0006	

Note:

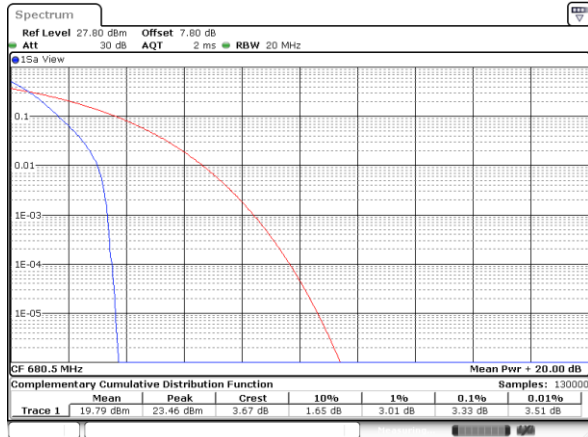
1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n71****Peak-to-Average Ratio**

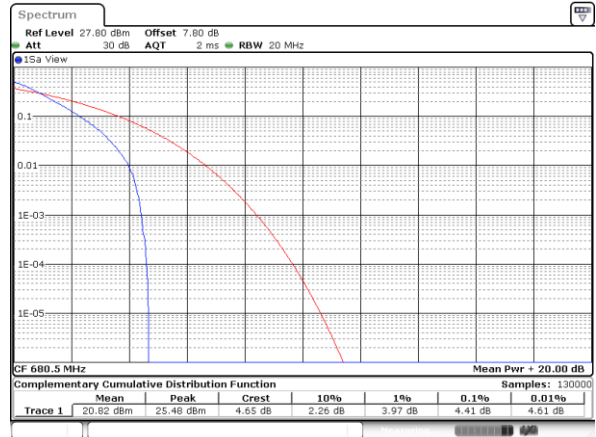
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.33	4.41	5.42	5.88	PASS

FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

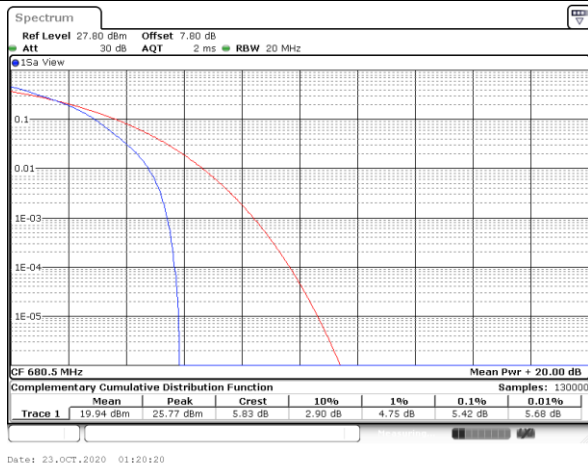
PI/2 BPSK



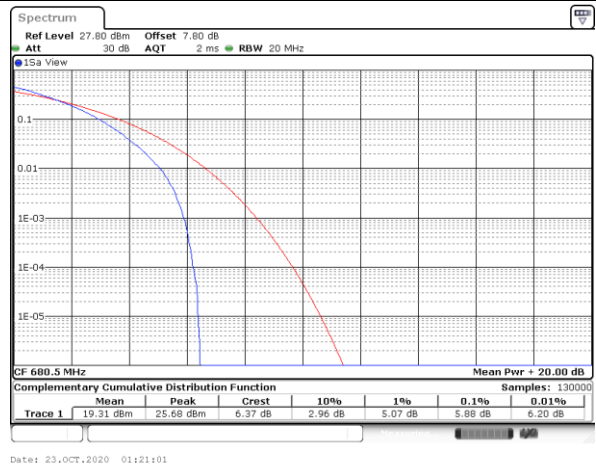
QPSK



16QAM



64QAM



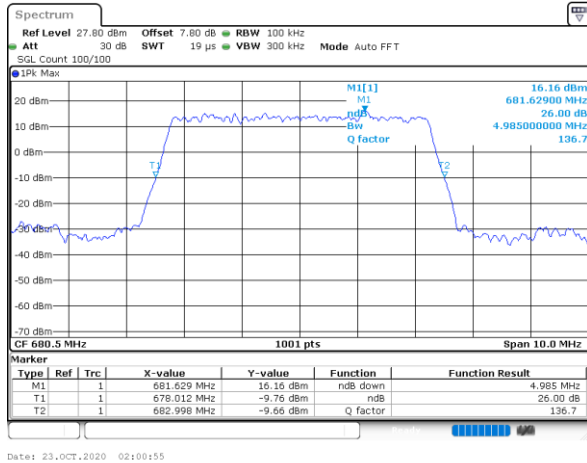
**26dB Bandwidth**

Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.99		9.39		14.33		18.66	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.99	4.99	9.77	9.83	14.87	14.93	19.74	19.82
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.99	-	9.73	-	14.90	-	19.94	-

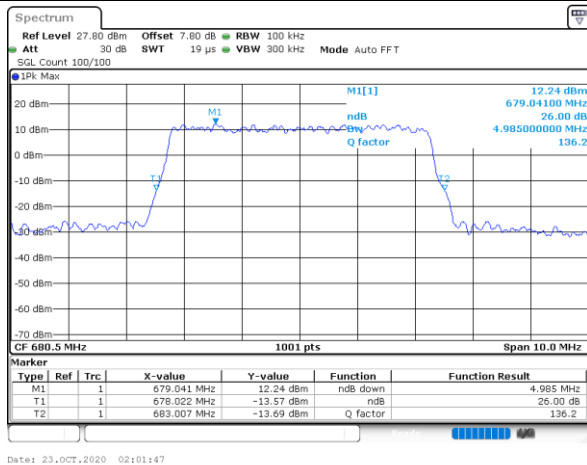
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK

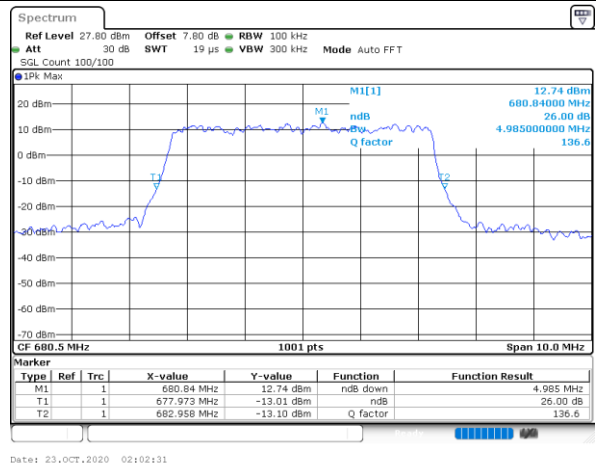


FR1 n71 / 5MHz / CP OFDM / Middle Channel

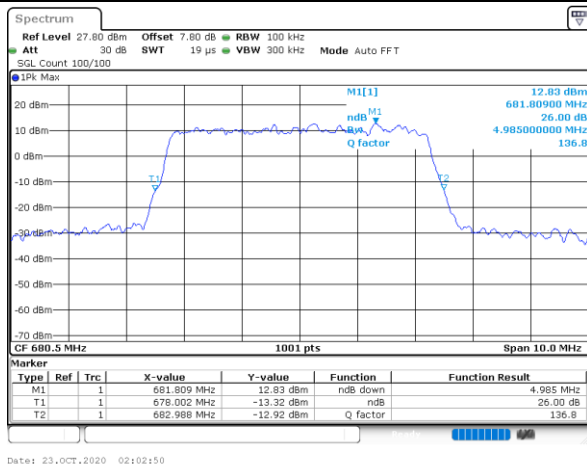
QPSK



16QAM

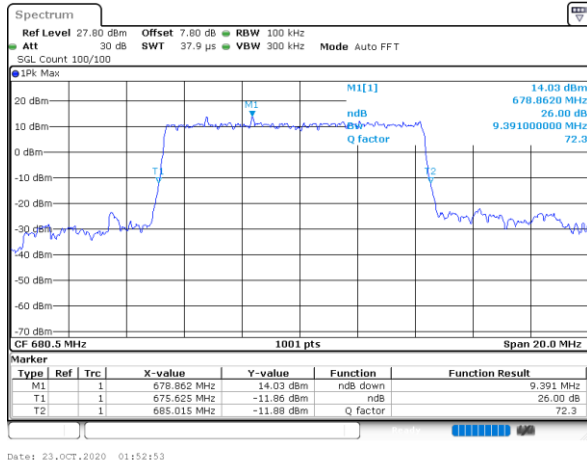


64QAM



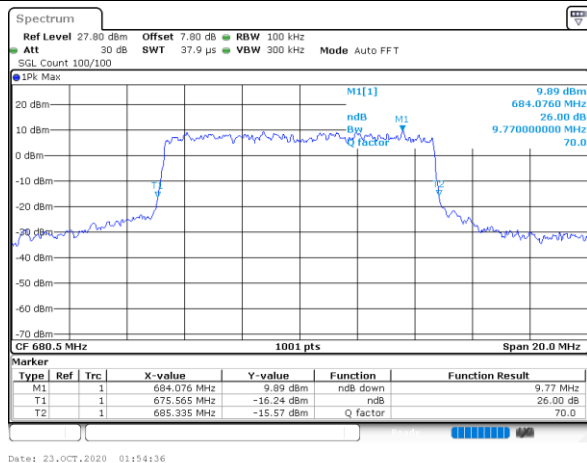
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel

PI/2 BPSK

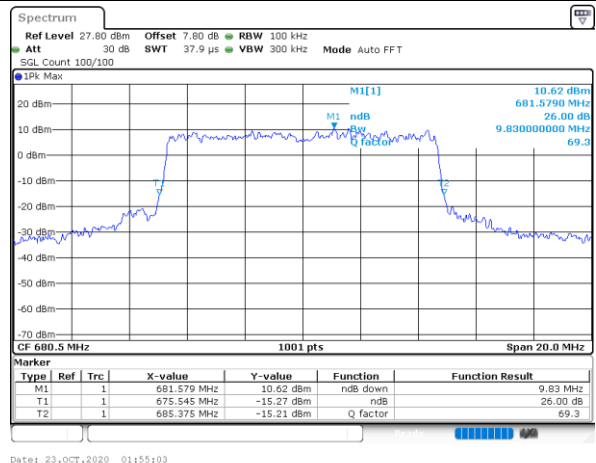


FR1 n71 / 10MHz / CP OFDM / Middle Channel

QPSK



16QAM



64QAM

