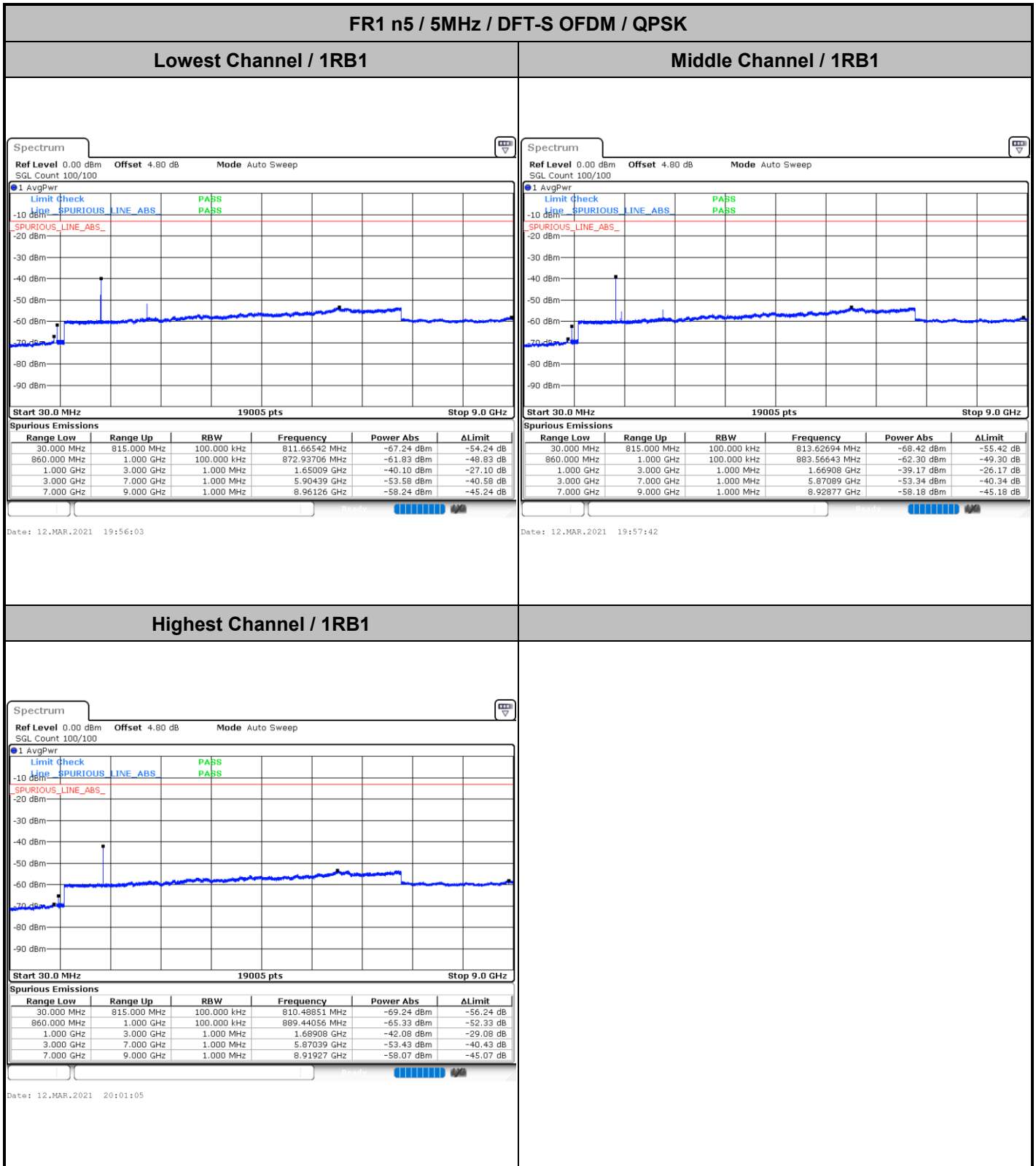




Conducted Spurious Emission

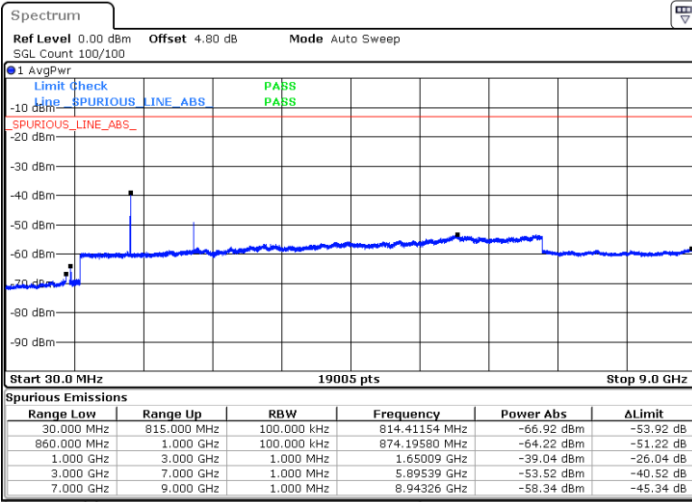




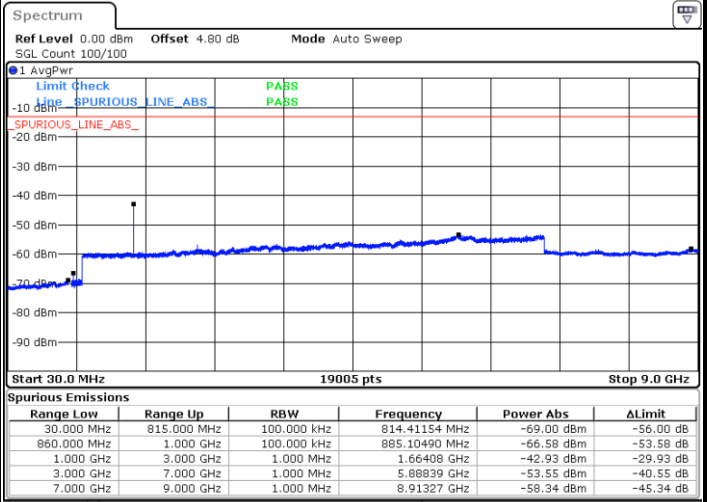
FR1 n5 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

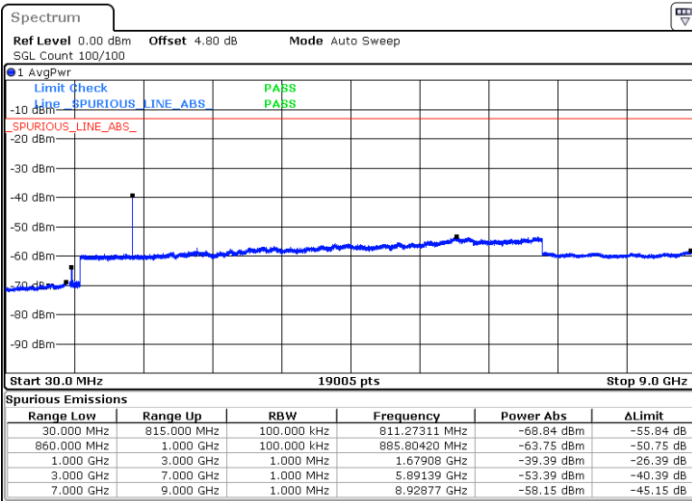


Date: 12.MAR.2021 20:35:11



Date: 12.MAR.2021 20:36:49

Highest Channel / 1RB1



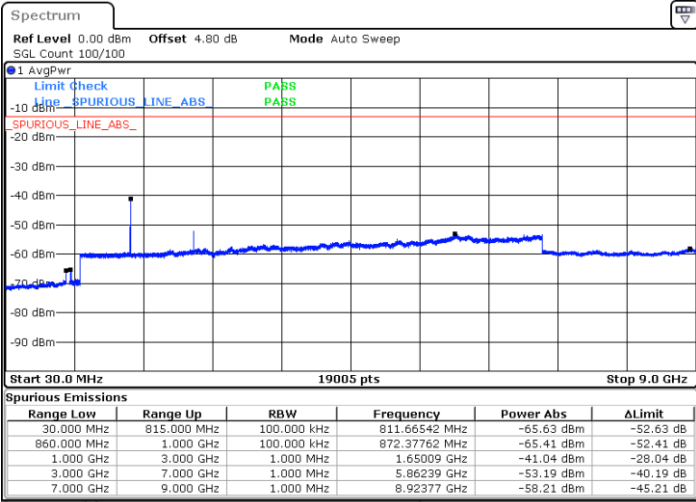
Date: 12.MAR.2021 20:37:28



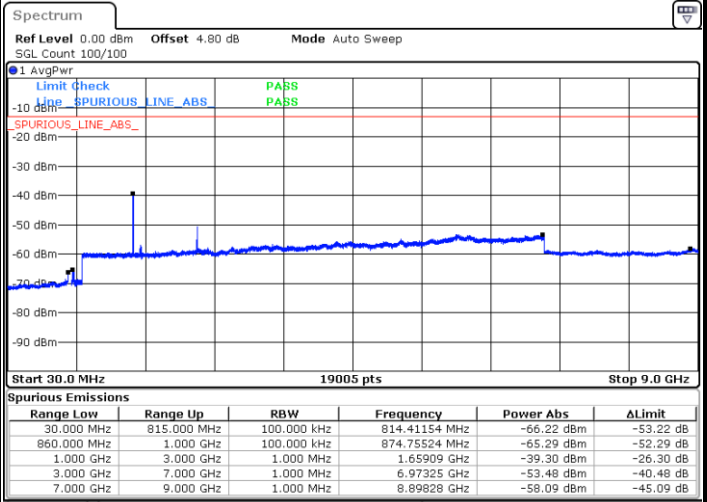
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

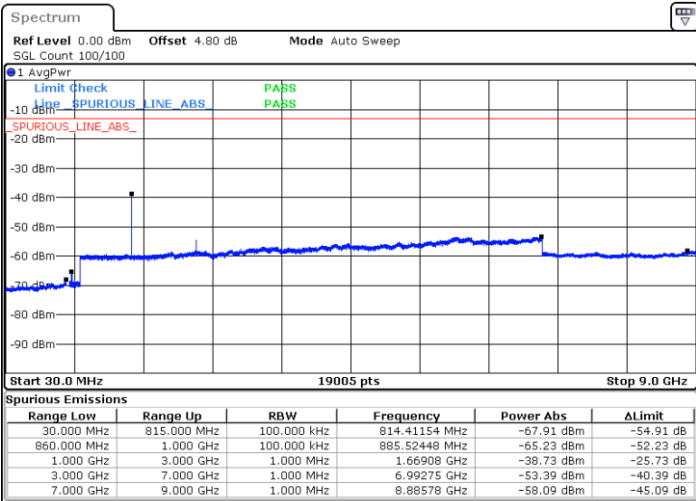


Date: 12.MAR.2021 21:01:33



Date: 12.MAR.2021 21:03:32

Highest Channel / 1RB1



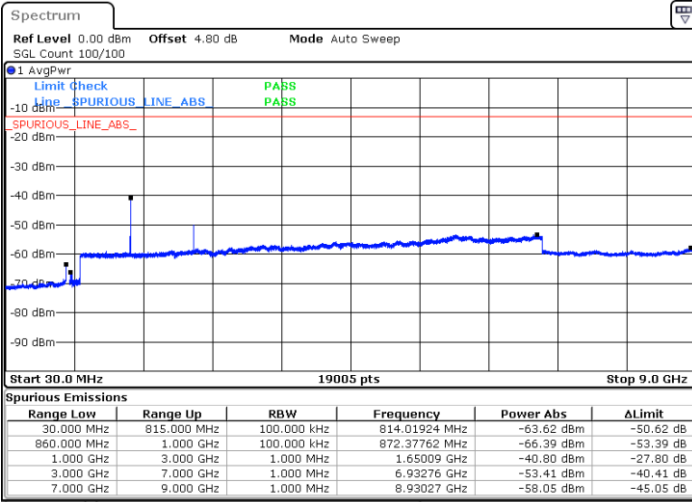
Date: 12.MAR.2021 21:04:19



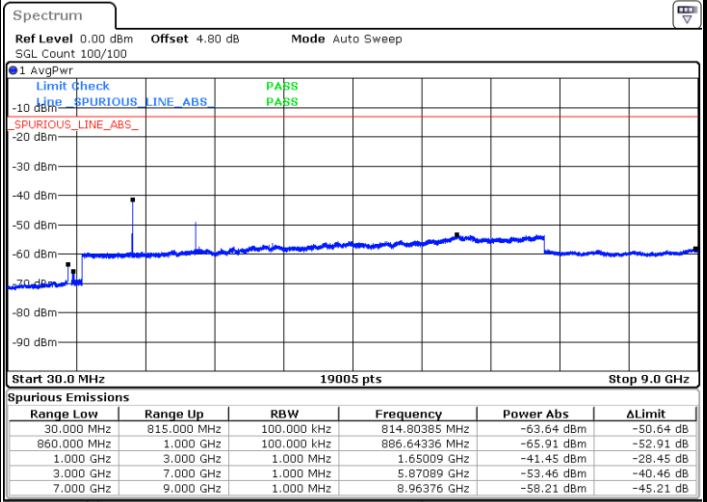
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

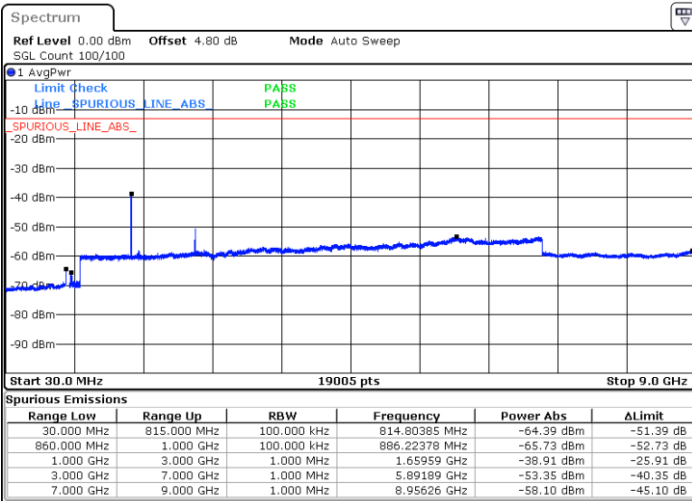


Date: 12.MAR.2021 21:21:27



Date: 12.MAR.2021 21:27:44

Highest Channel / 1RB1



Date: 12.MAR.2021 21:30:12



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0042	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0036	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.40 V.



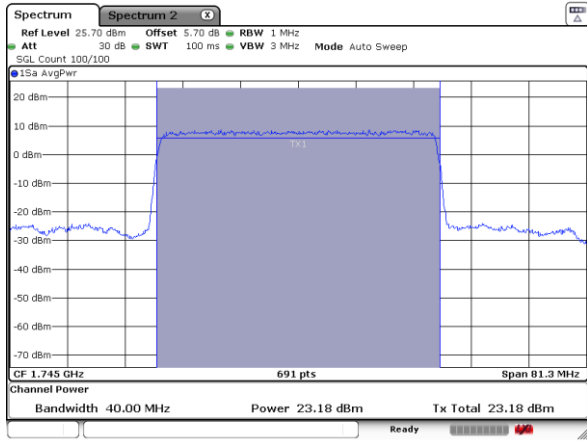
5G NR n66

Peak-to-Average Ratio

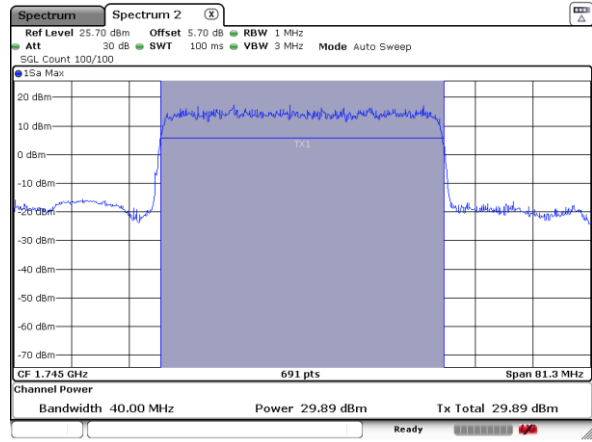
Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.71	6.77	6.8	6.79	PASS
Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.74				PASS



BPSK

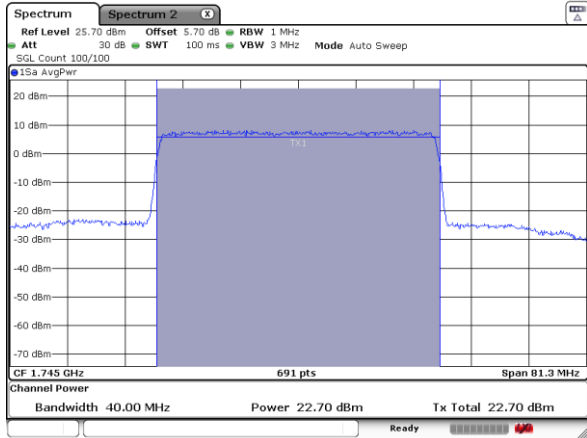


Date: 30 MAR 2021 22:40:09

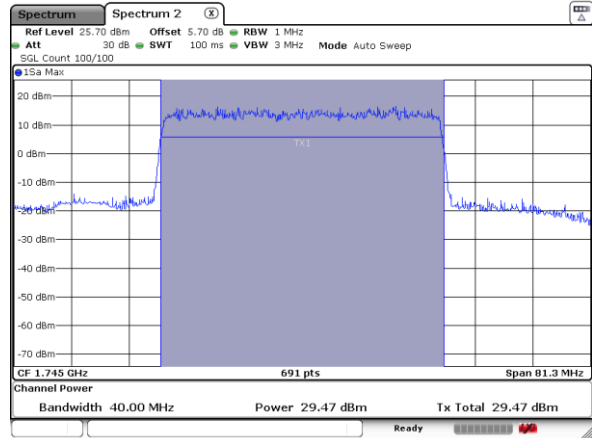


Date: 30 MAR 2021 22:40:53

QPSK

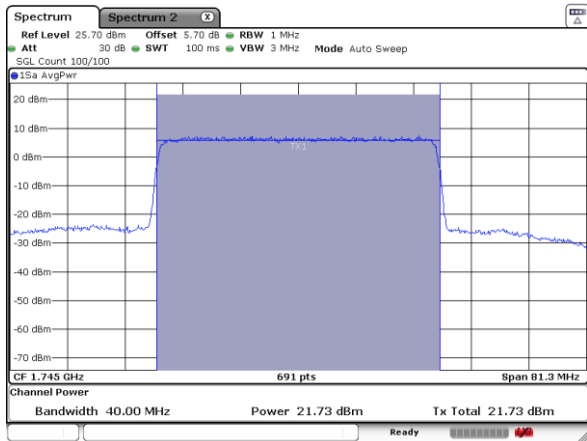


Date: 30 MAR 2021 22:41:26

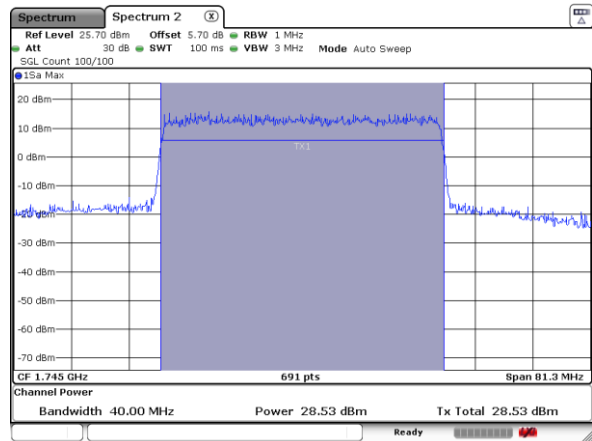


Date: 30 MAR 2021 22:41:50

16QAM



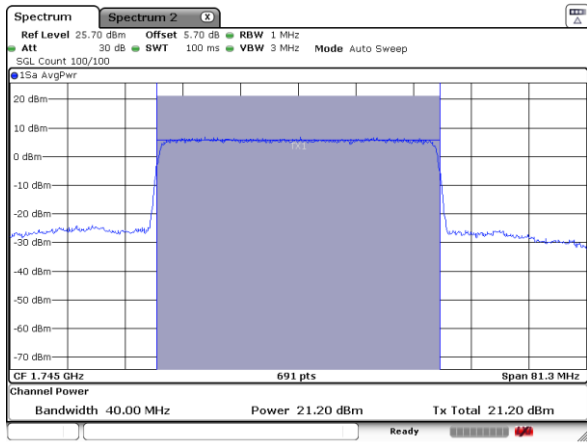
Date: 30 MAR 2021 22:42:16



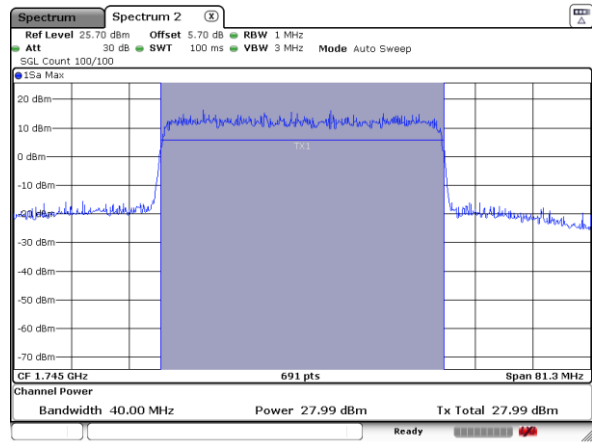
Date: 30 MAR 2021 22:42:43



64QAM

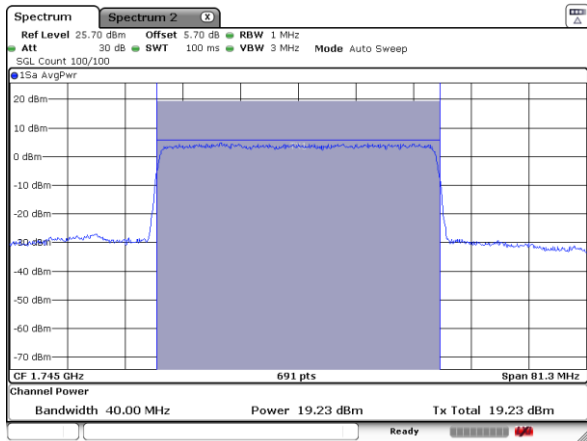


Date: 30 MAR 2021 22:43:17

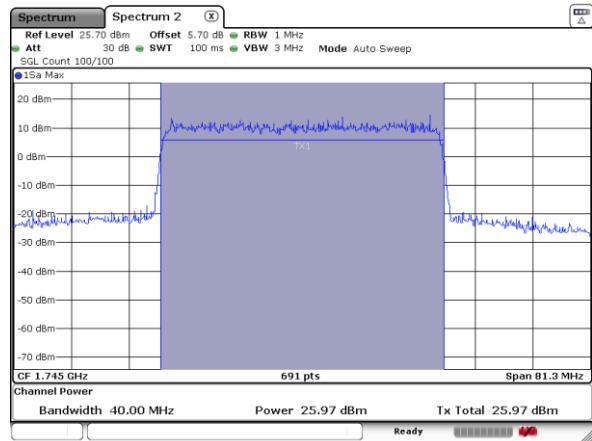


Date: 30 MAR 2021 22:43:39

256QAM



Date: 30 MAR 2021 22:44:05

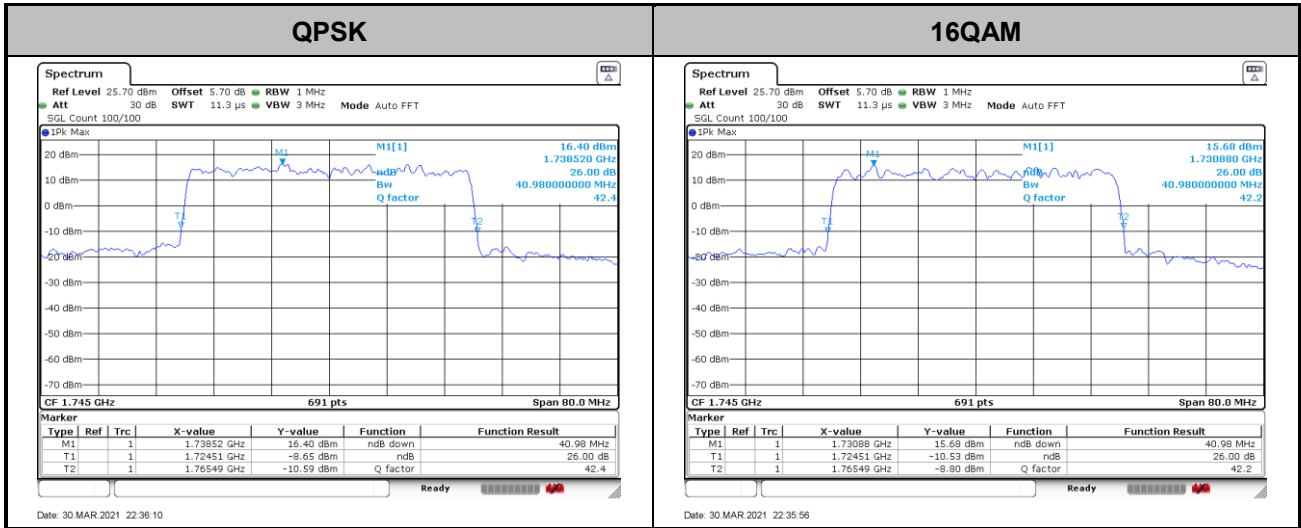


Date: 30 MAR 2021 22:44:31



26dB Bandwidth

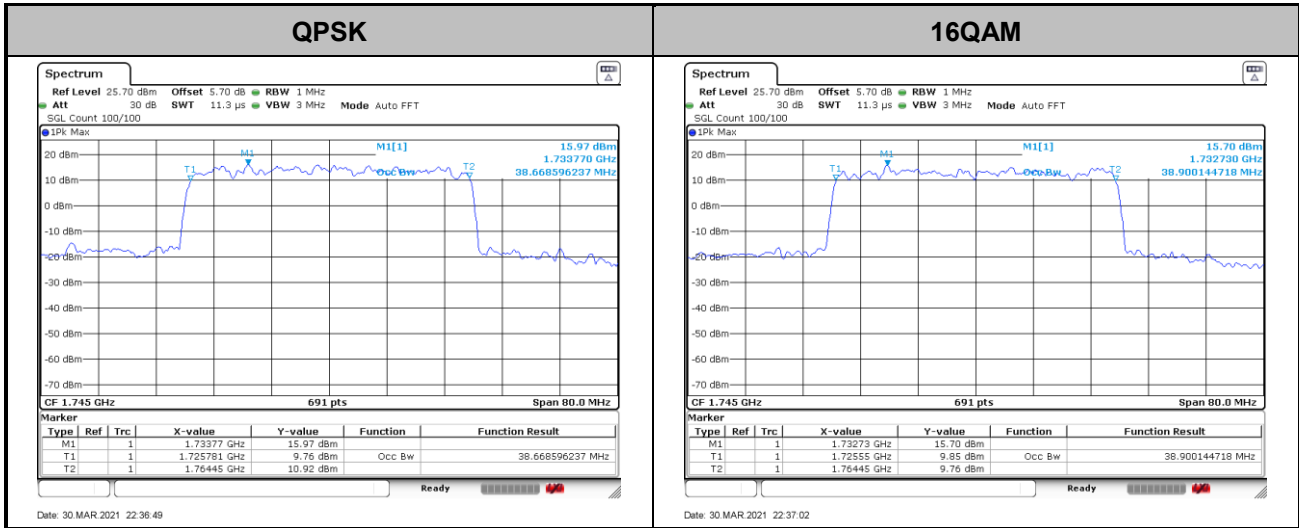
Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM	
BW	40M	
Mod.	QPSK	16QAM
Middle CH	40.98	40.98





Occupied Bandwidth

Mode	FR1 n66 : 99%OBW(MHz) / DFT-S OFDM	
BW	40M	
Mod.	QPSK	16QAM
Middle CH	38.669	38.900



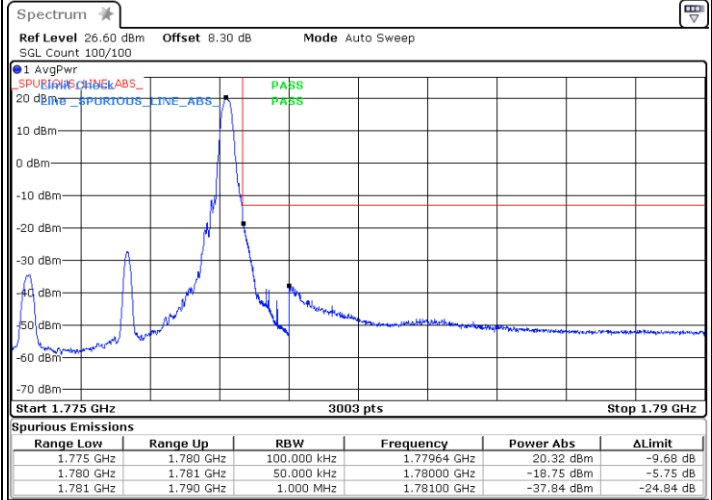
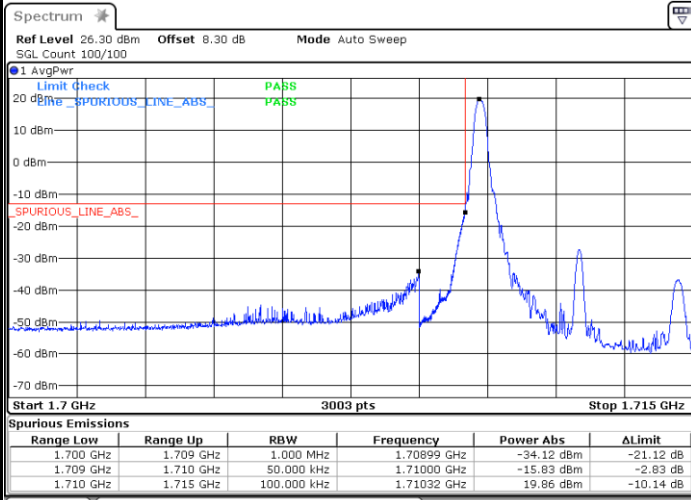


Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

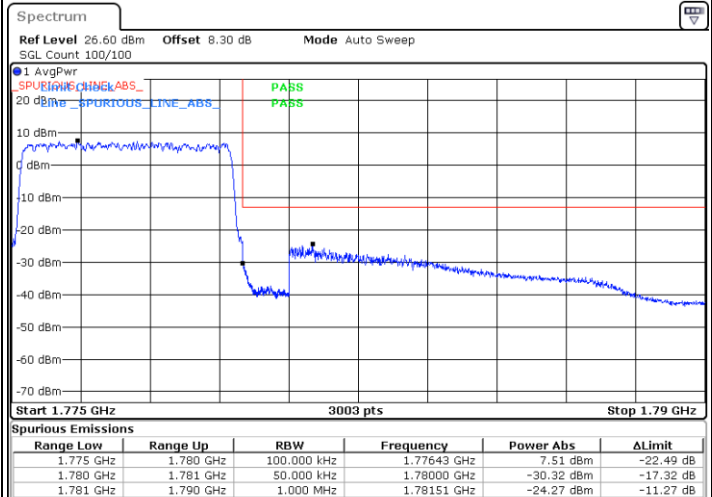
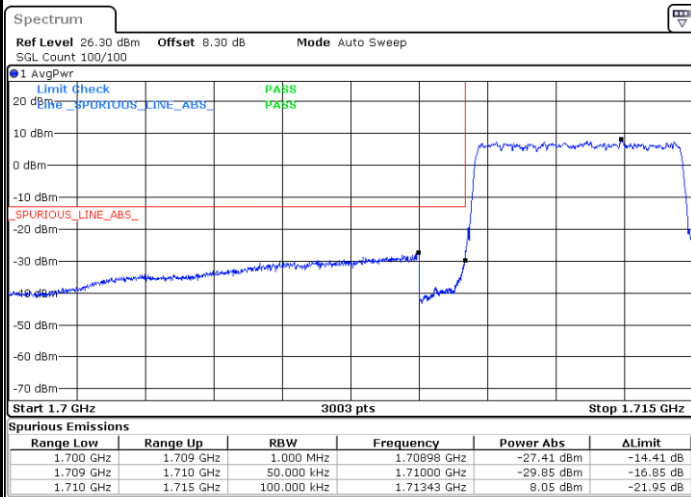


Date: 13.MAR.2021 02:35:54

Date: 13.MAR.2021 02:40:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:38:07

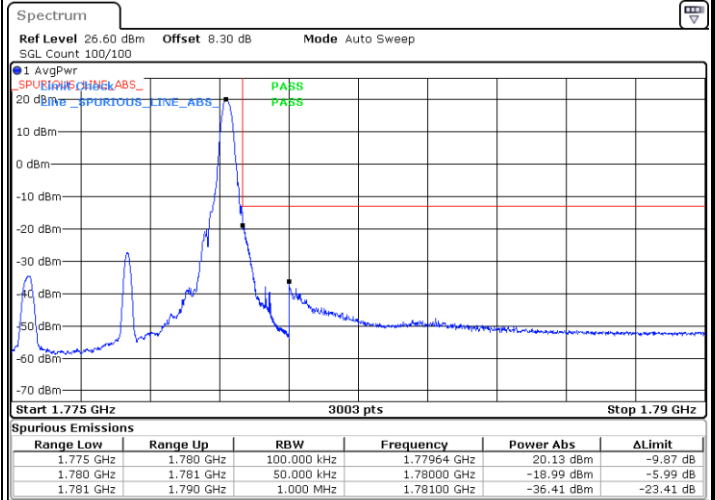
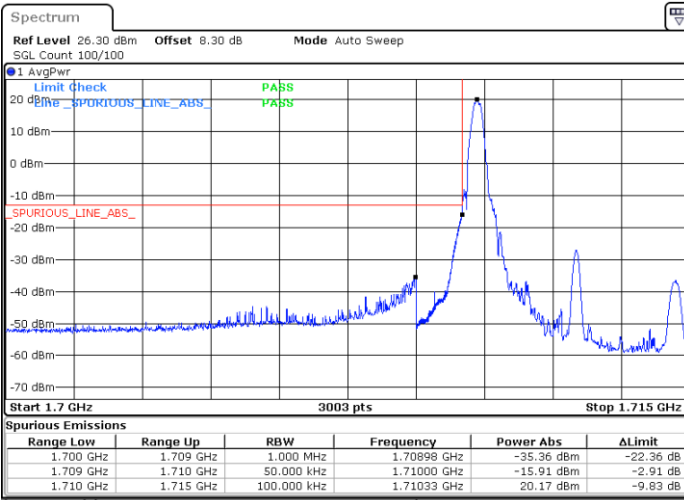
Date: 13.MAR.2021 05:00:08



FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

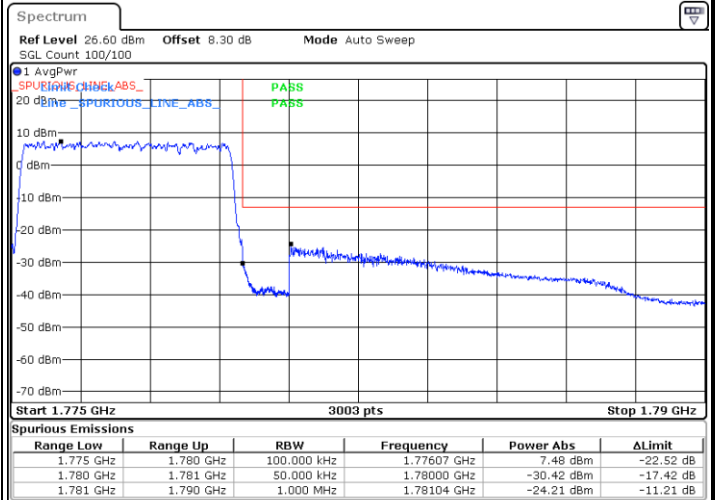
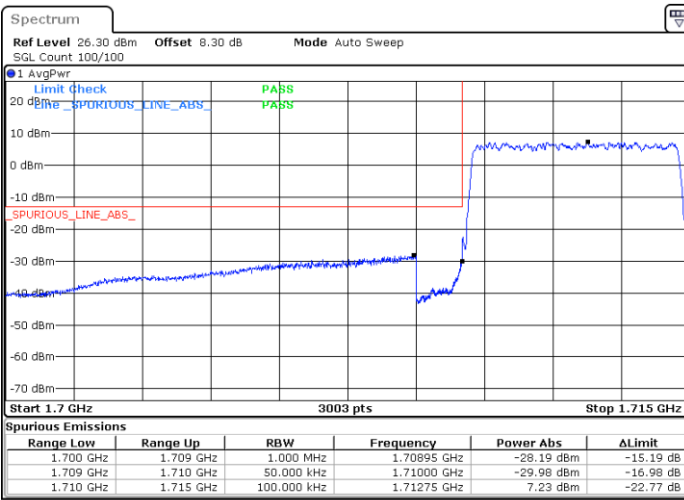


Date: 13.MAR.2021 02:36:19

Date: 13.MAR.2021 02:41:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:38:25

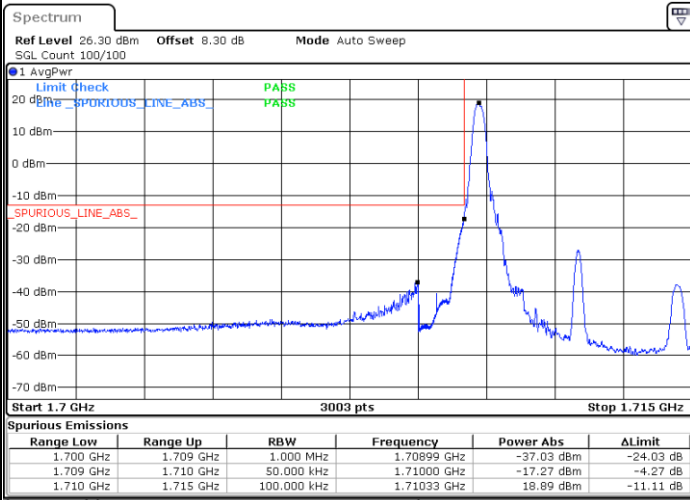
Date: 13.MAR.2021 04:59:50



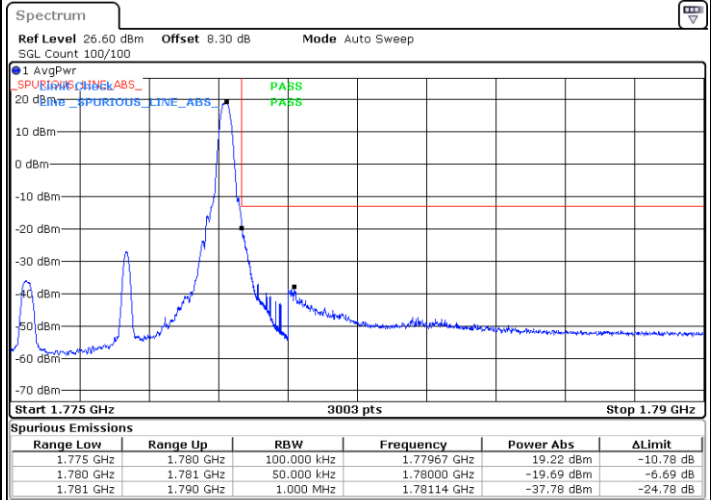
FR1 n66 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



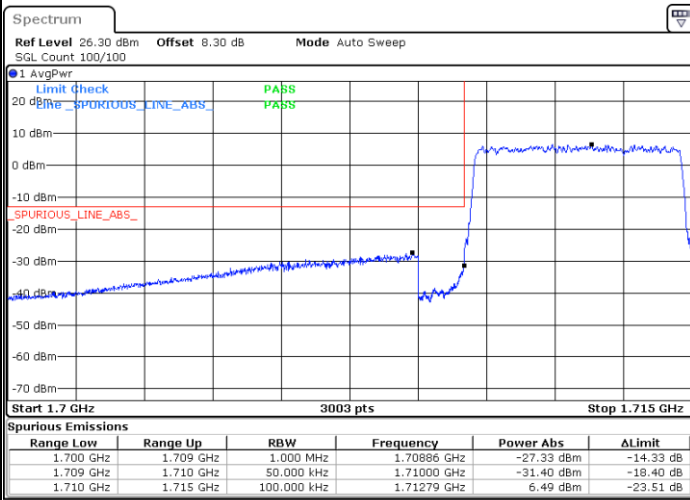
Date: 13.MAR.2021 02:36:59



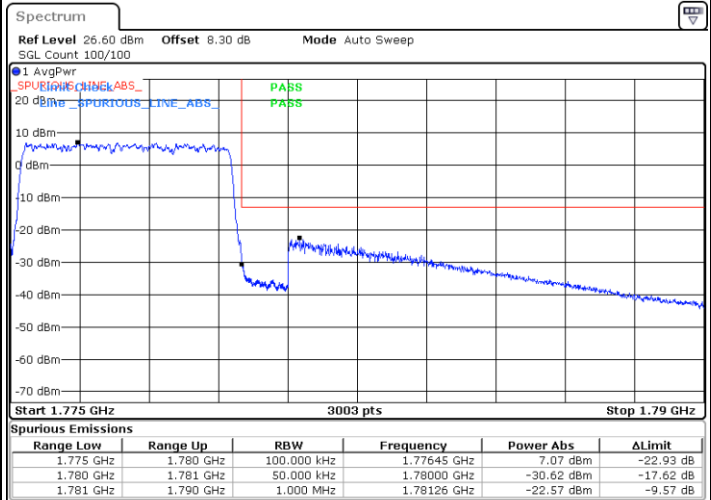
Date: 13.MAR.2021 02:41:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:38:45



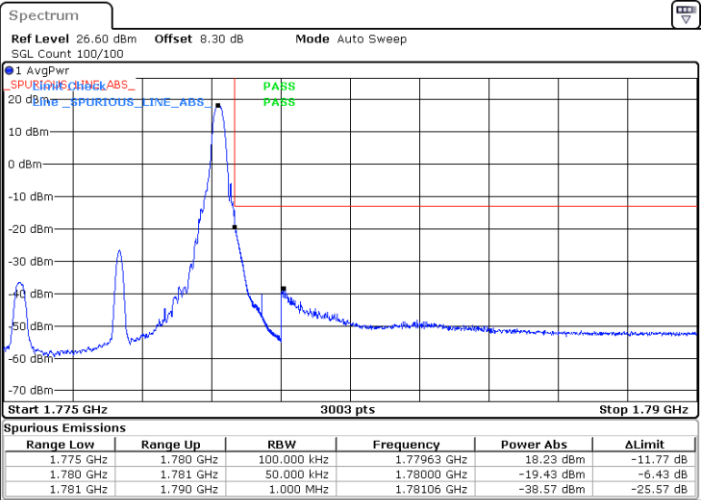
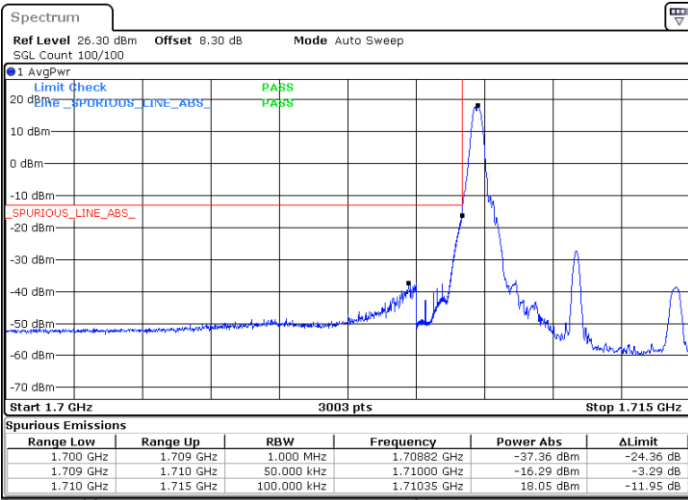
Date: 13.MAR.2021 04:59:29



FR1 n66 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

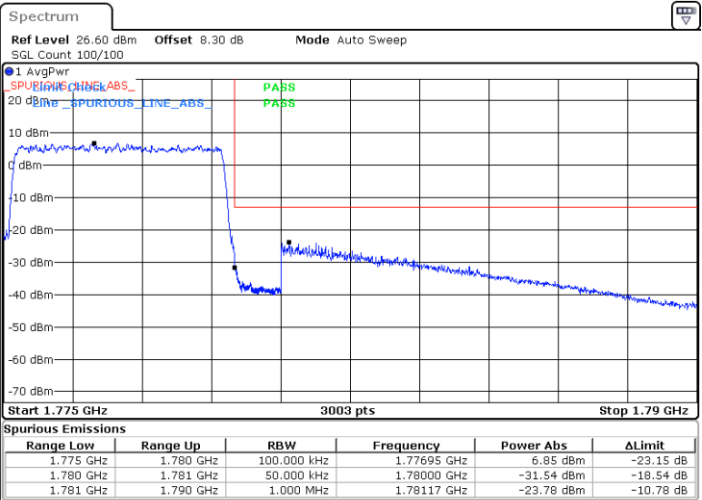
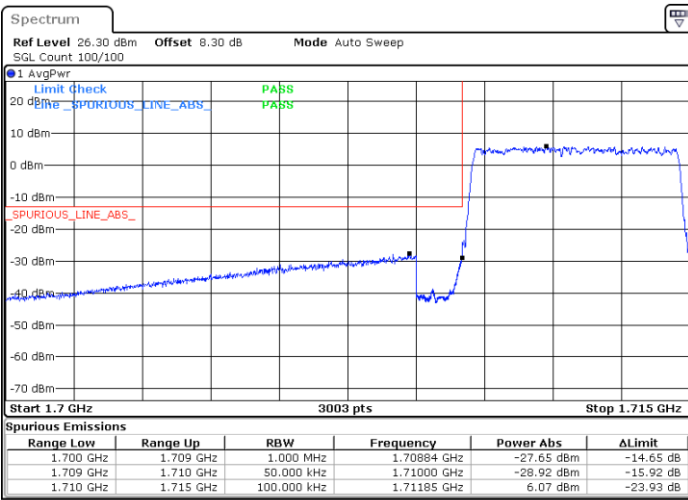


Date: 13.MAR.2021 02:37:19

Date: 13.MAR.2021 02:41:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:39:04

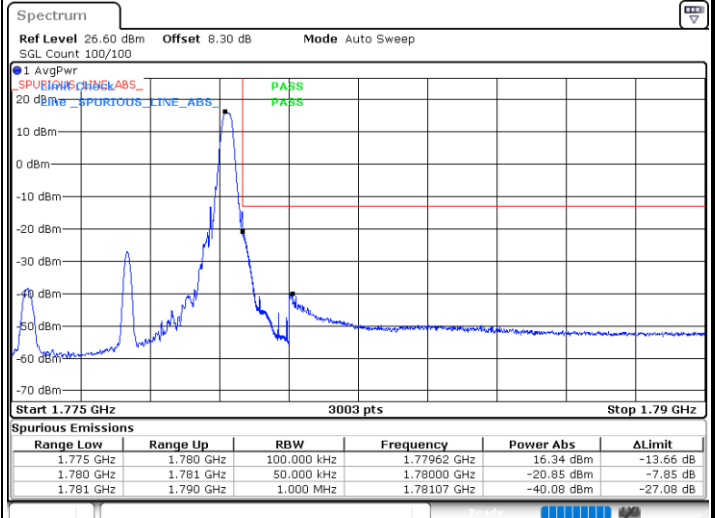
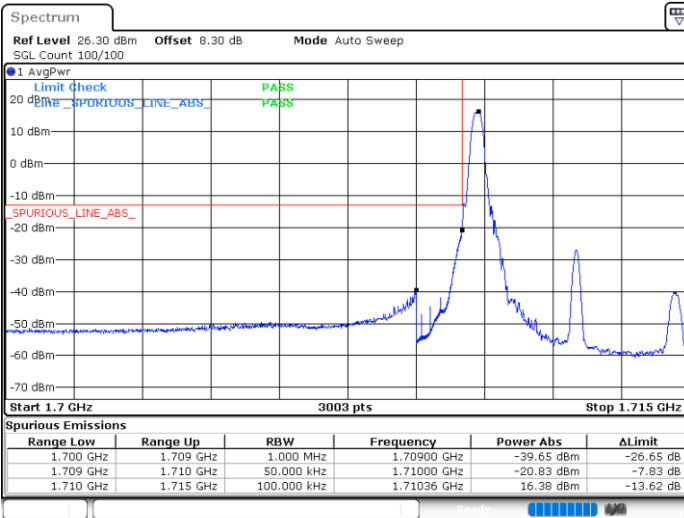
Date: 13.MAR.2021 04:59:08



FR1 n66 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

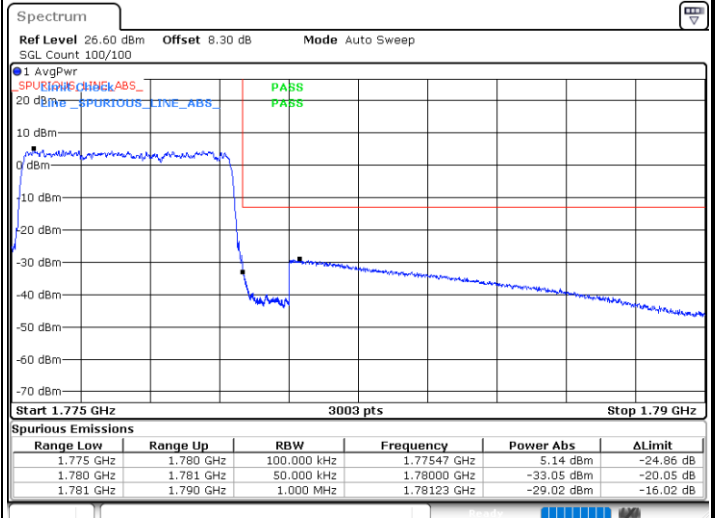
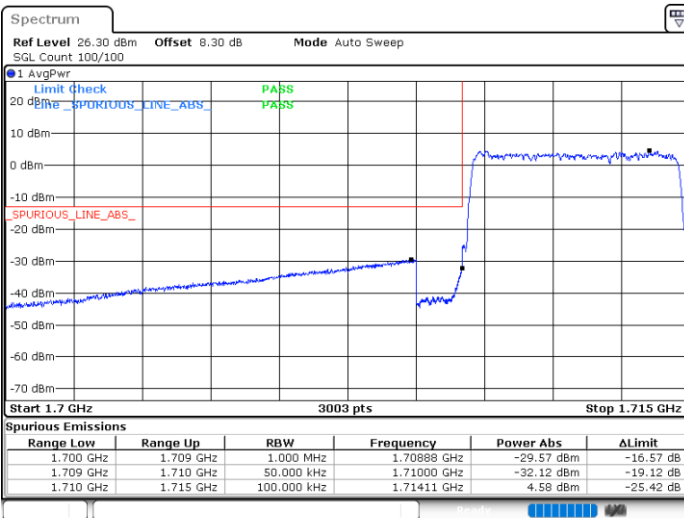


Date: 13.MAR.2021 02:37:40

Date: 13.MAR.2021 02:42:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:39:23

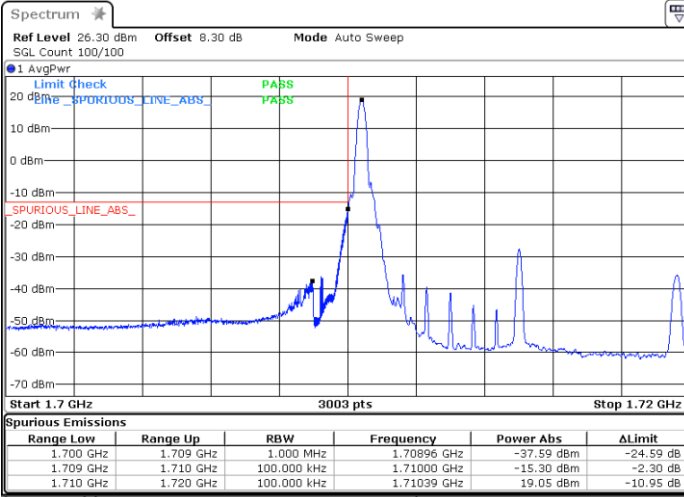
Date: 13.MAR.2021 04:58:49



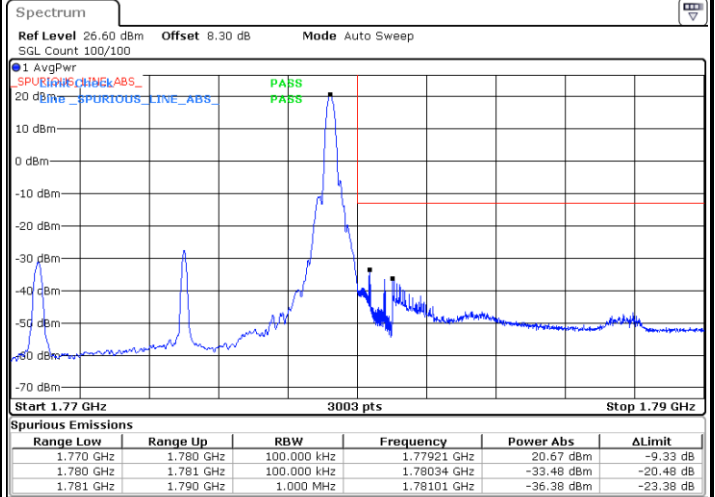
FR1 n66 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



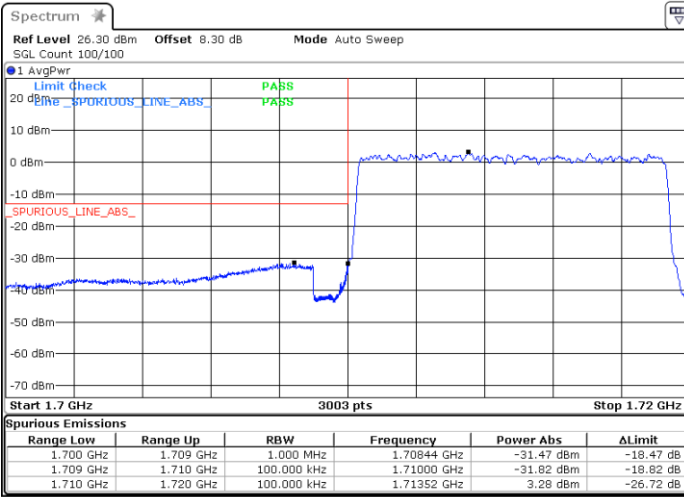
Date: 13.MAR.2021 02:43:35



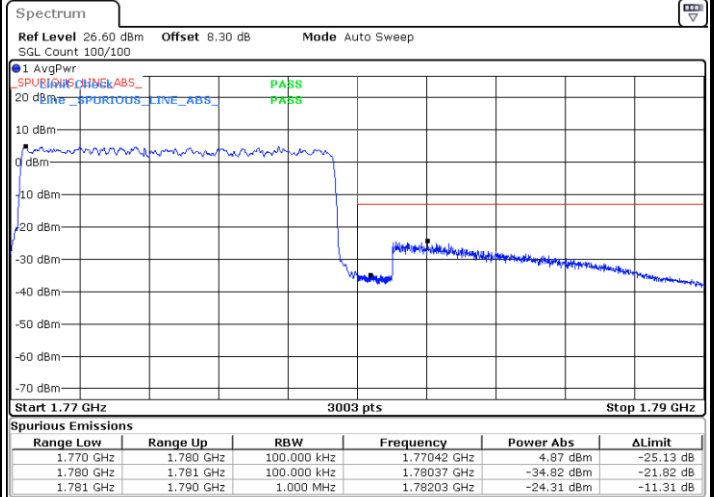
Date: 13.MAR.2021 02:47:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:45:31



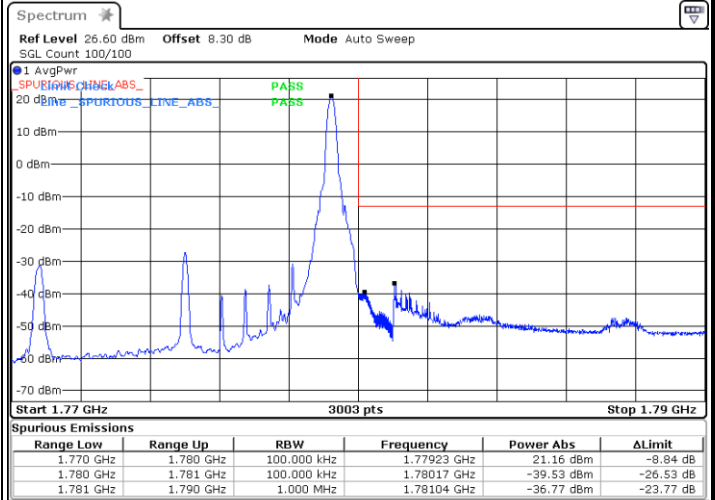
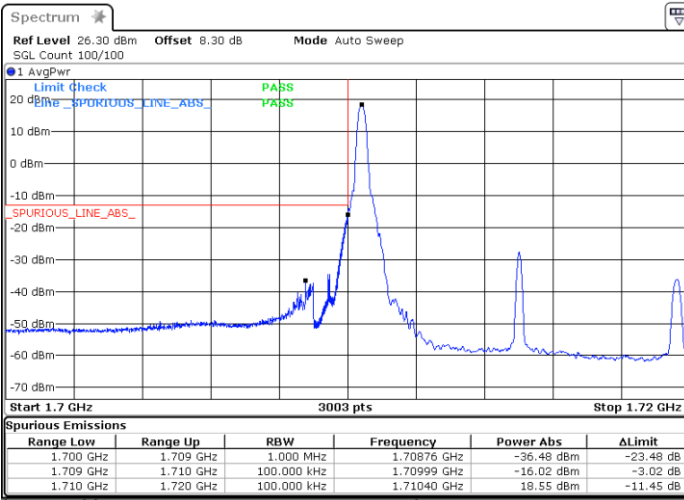
Date: 13.MAR.2021 02:48:50



FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

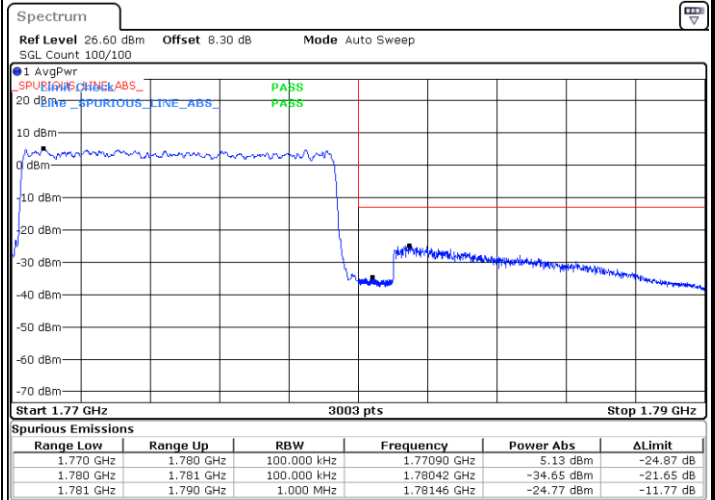
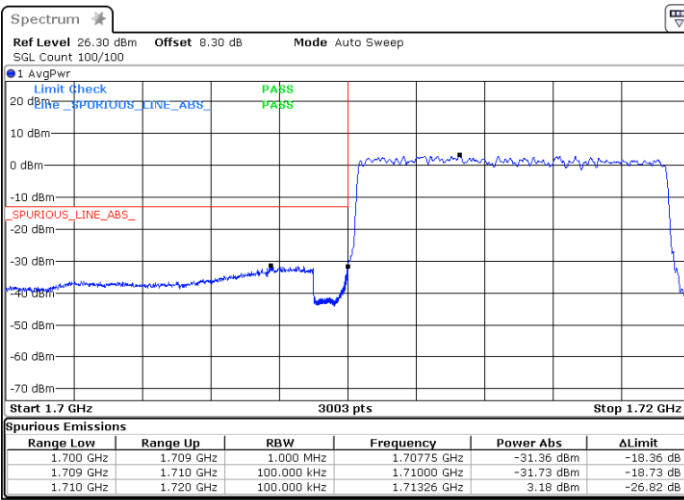


Date: 13.MAR.2021 02:43:59

Date: 13.MAR.2021 02:47:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:45:49

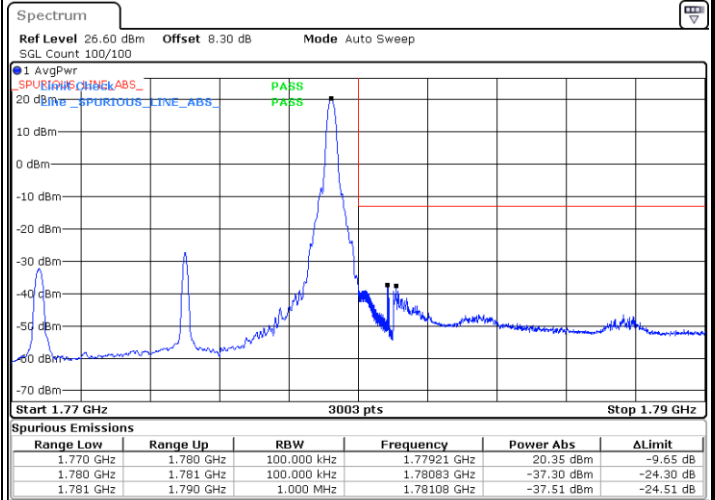
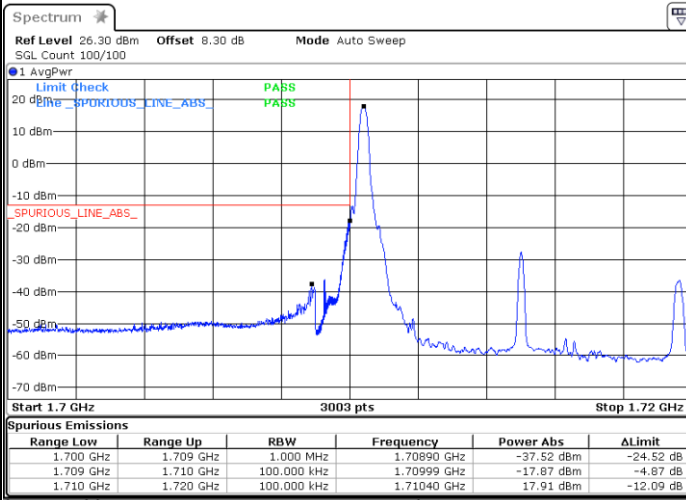
Date: 13.MAR.2021 02:49:01



FR1 n66 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

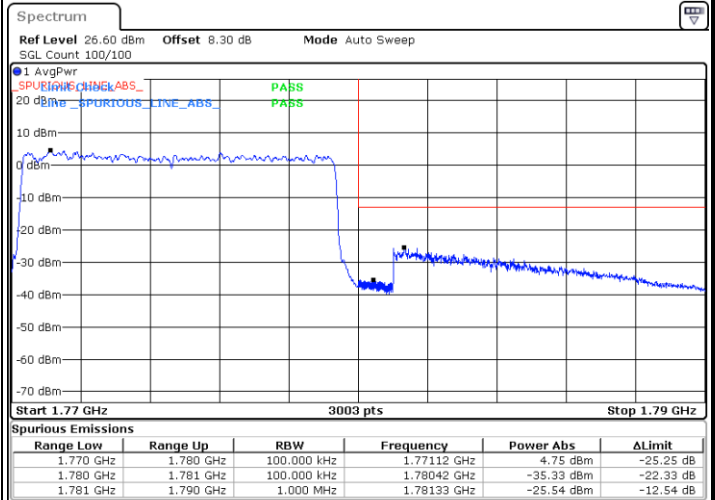
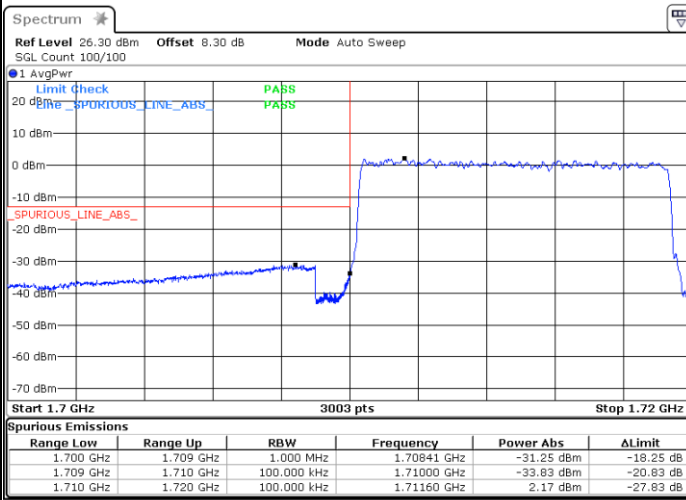


Date: 13.MAR.2021 02:44:19

Date: 13.MAR.2021 02:48:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:46:09

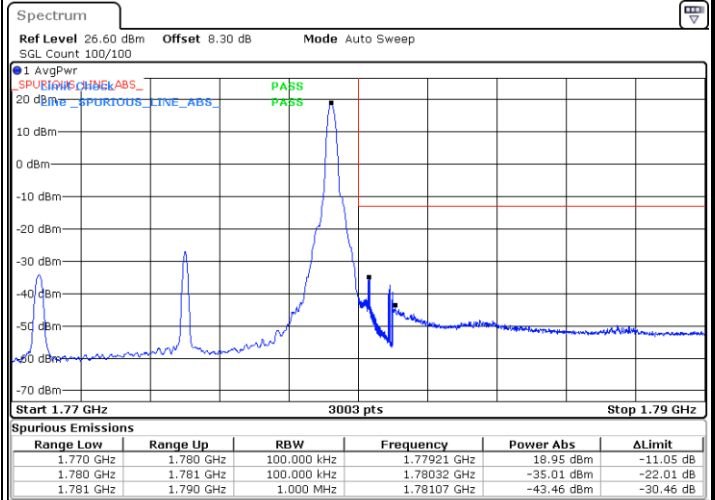
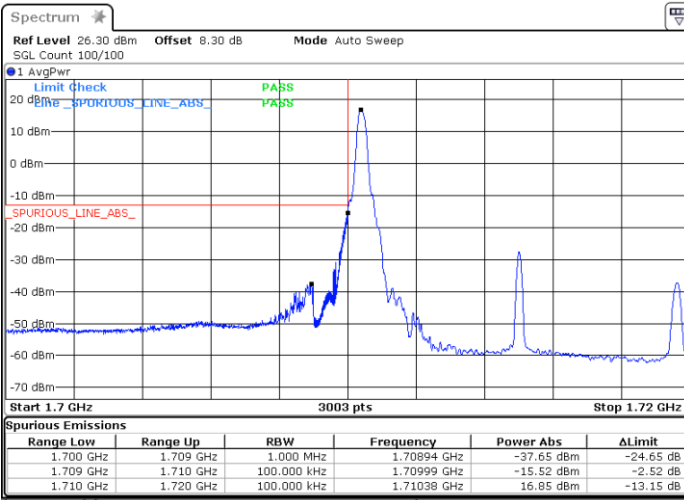
Date: 13.MAR.2021 02:49:17



FR1 n66 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

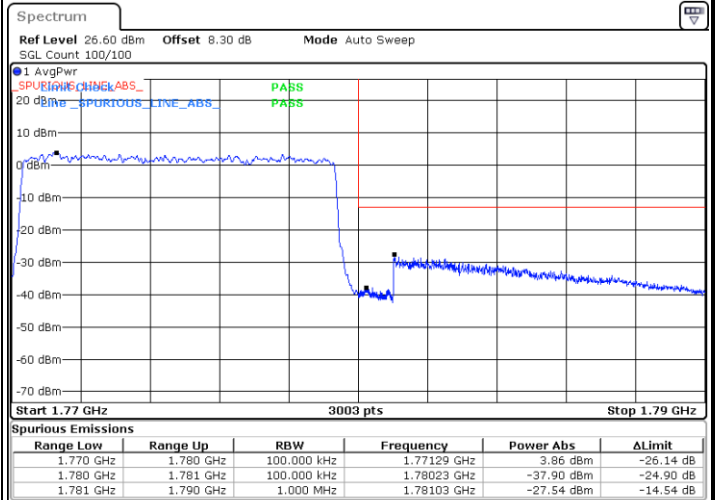
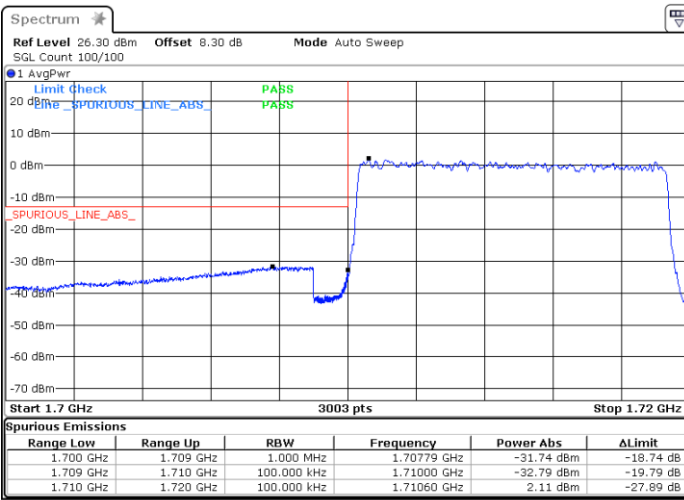


Date: 13.MAR.2021 02:44:41

Date: 13.MAR.2021 02:48:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:46:27

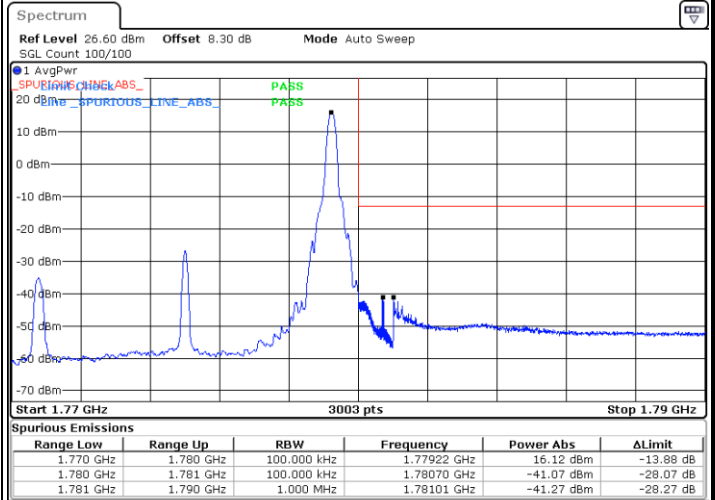
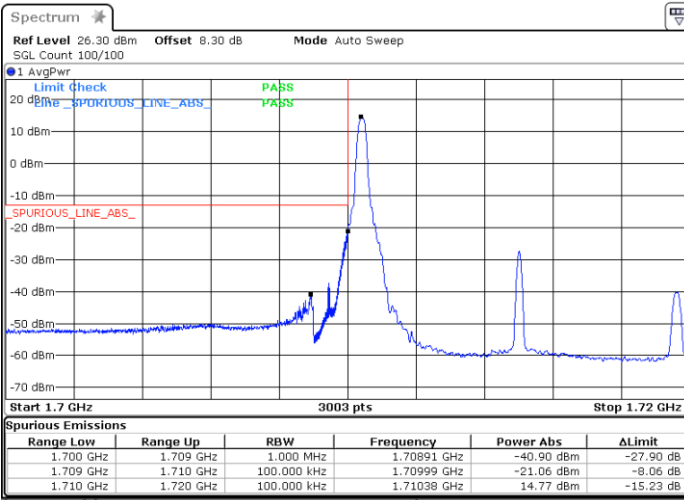
Date: 13.MAR.2021 02:49:30



FR1 n66 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

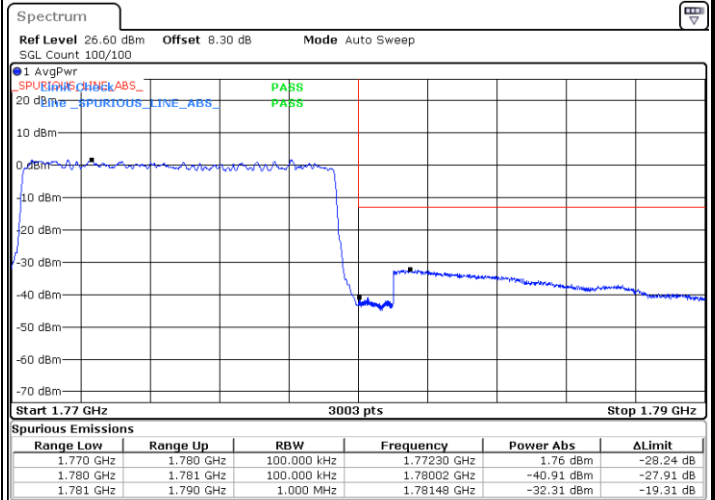
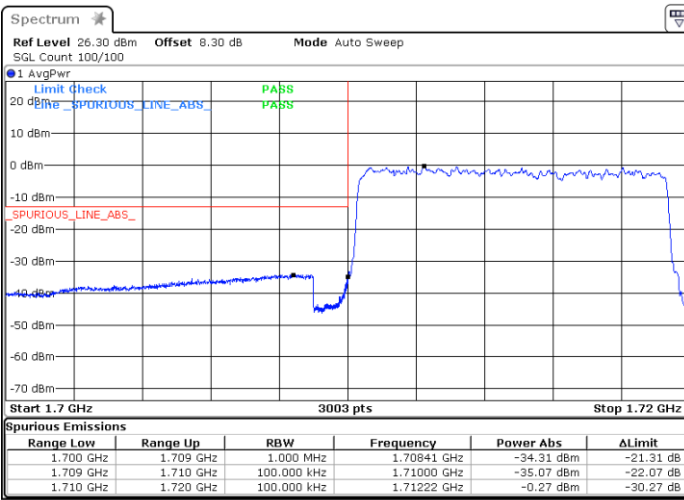


Date: 13.MAR.2021 02:45:05

Date: 13.MAR.2021 02:48:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:46:46

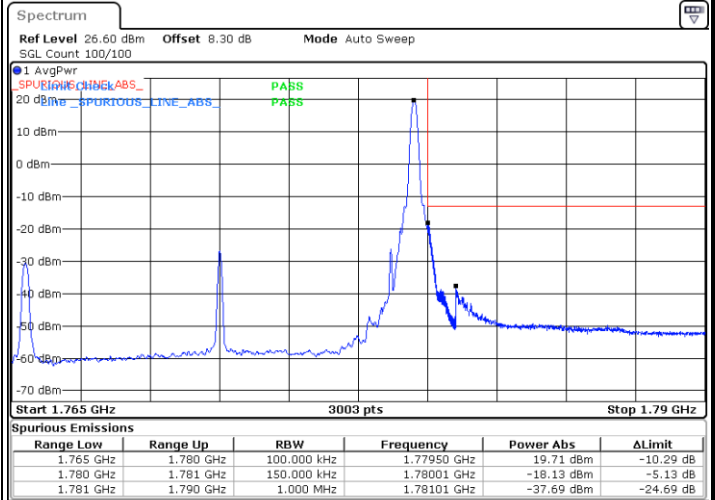
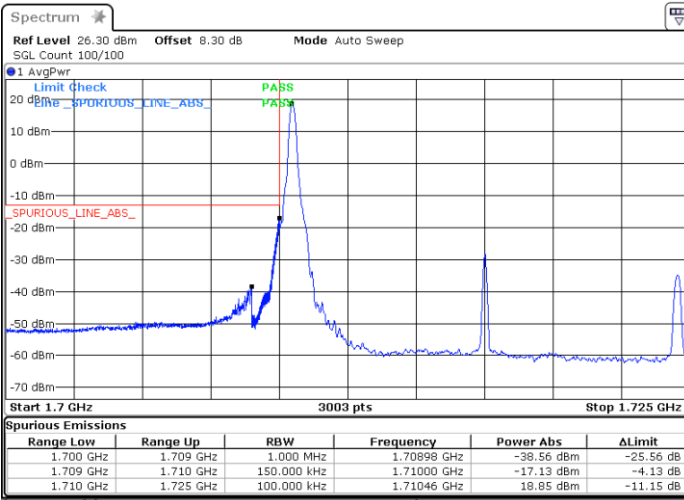
Date: 13.MAR.2021 02:49:43



FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

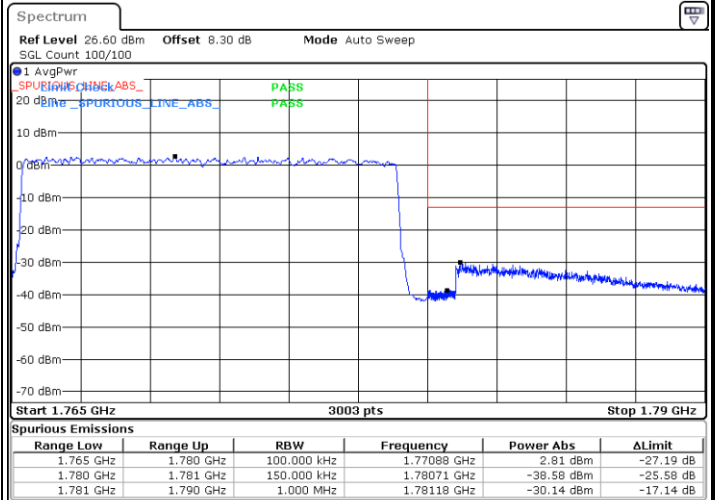
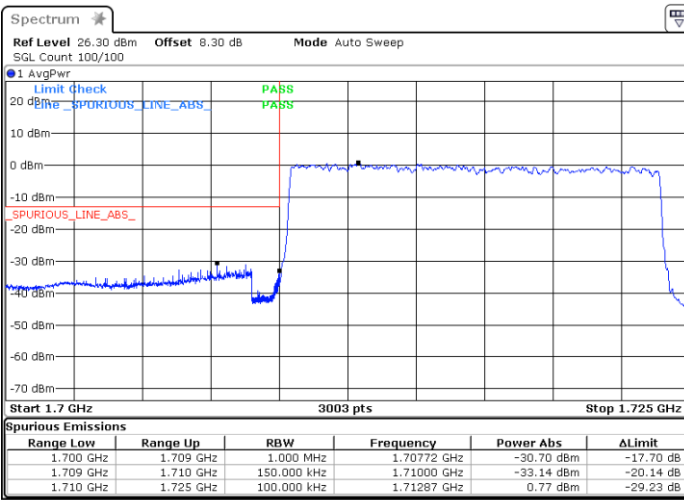


Date: 13.MAR.2021 02:51:12

Date: 13.MAR.2021 02:56:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:52:57

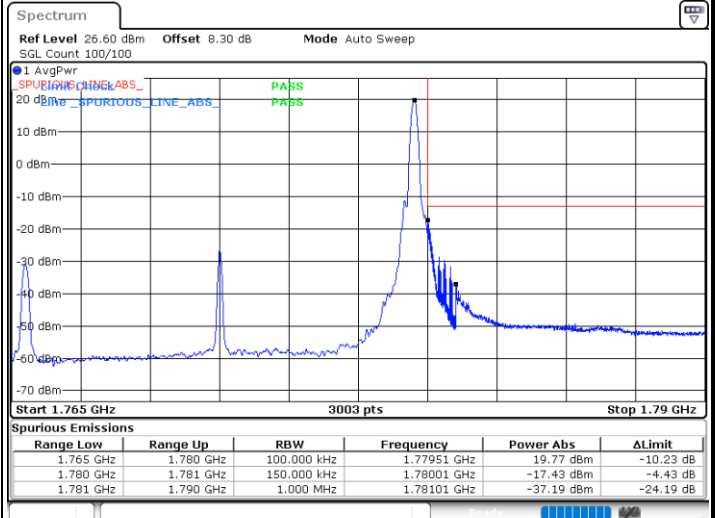
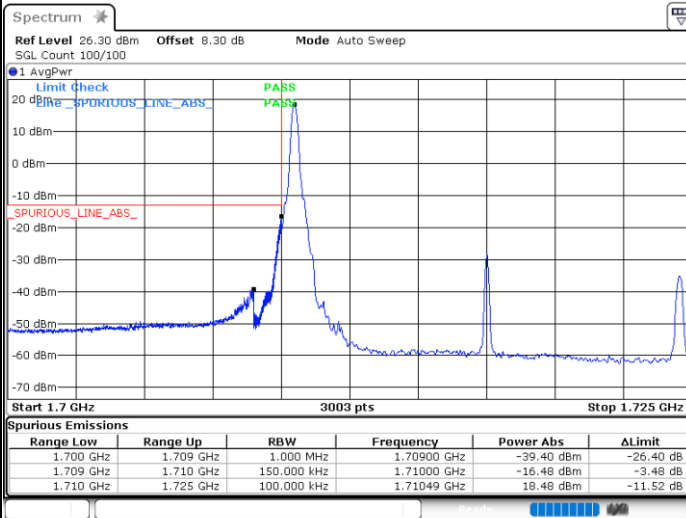
Date: 13.MAR.2021 02:57:53



FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

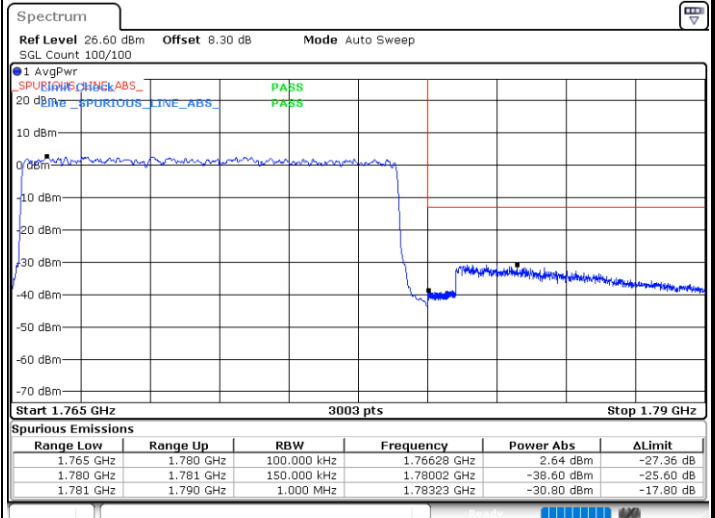
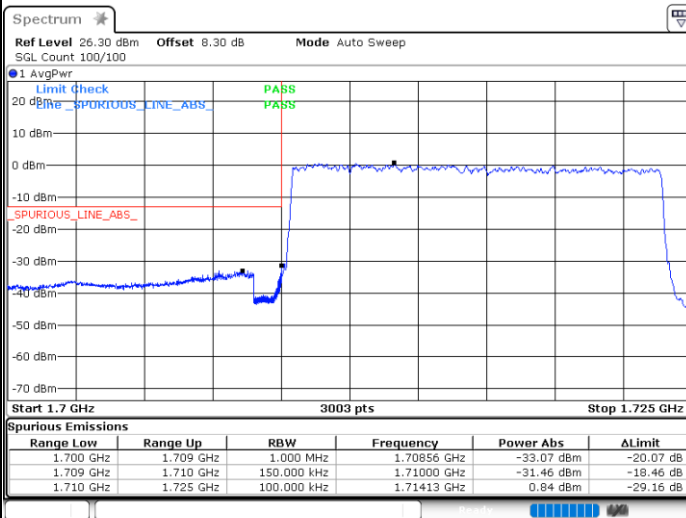


Date: 13.MAR.2021 02:51:38

Date: 13.MAR.2021 02:56:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:53:11

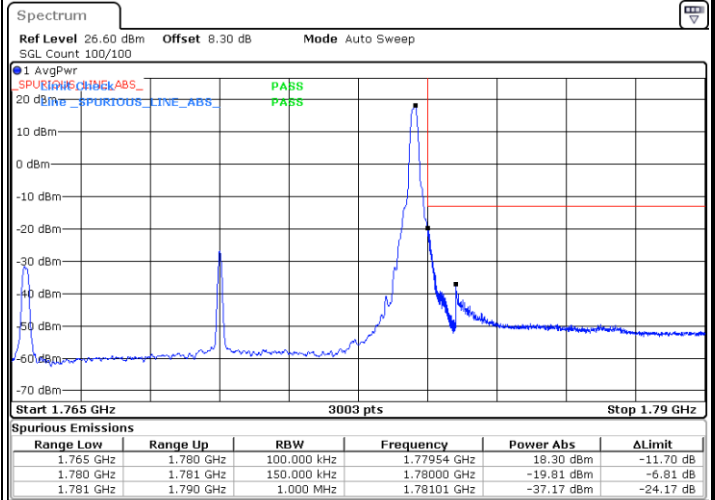
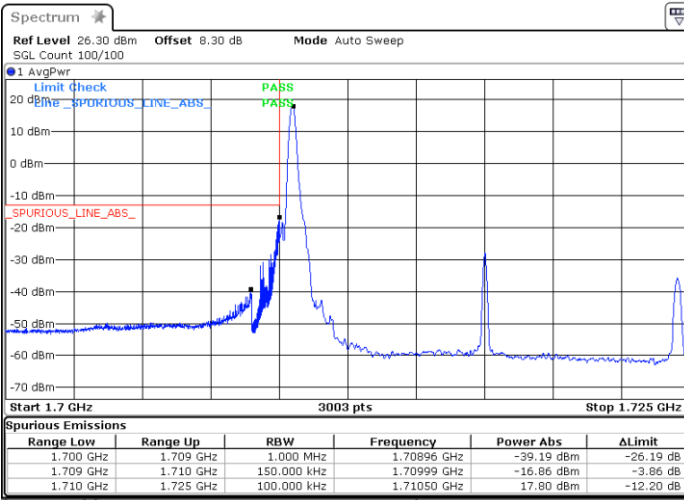
Date: 13.MAR.2021 02:58:03



FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

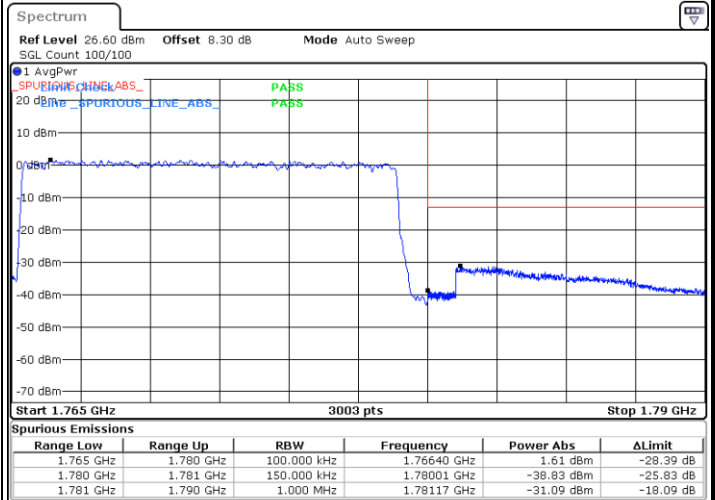
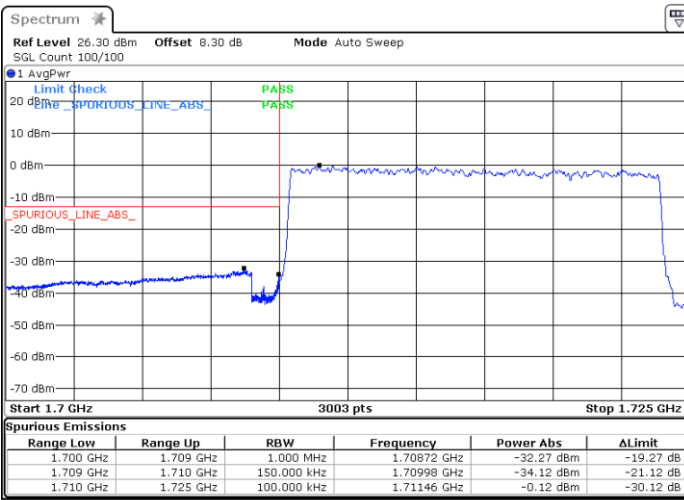


Date: 13.MAR.2021 02:51:57

Date: 13.MAR.2021 02:57:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:53:29

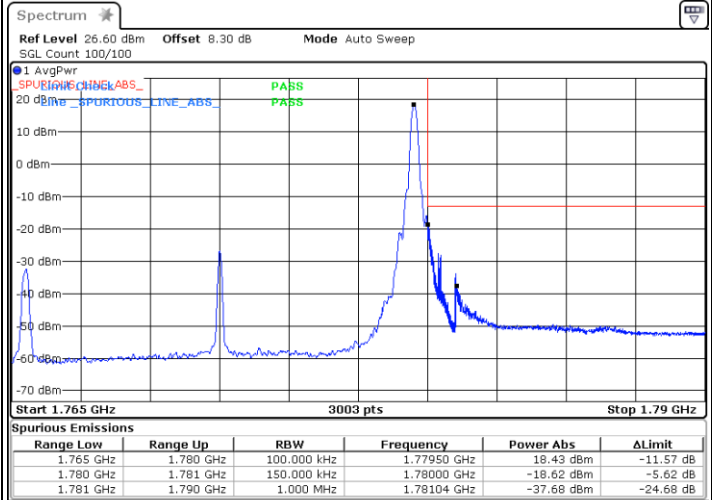
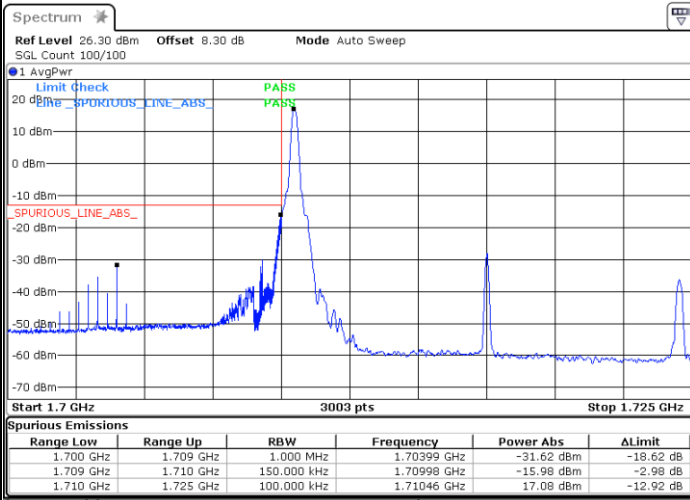
Date: 13.MAR.2021 02:58:14



FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

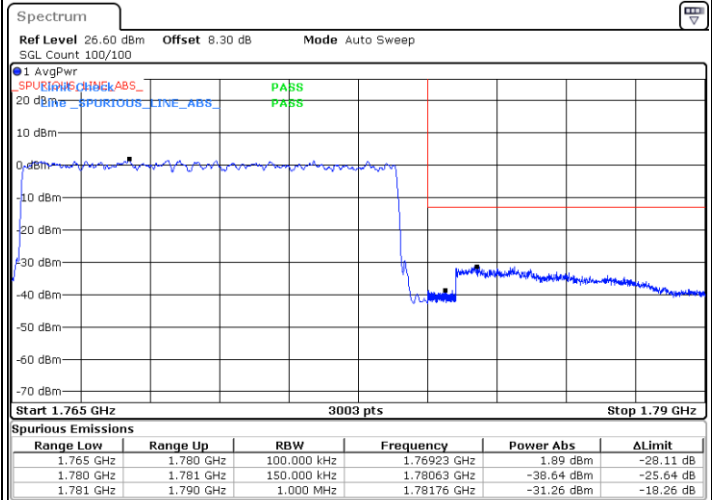
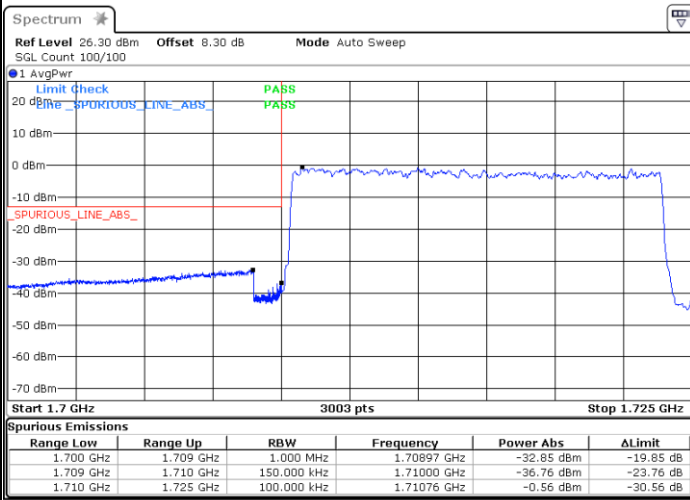


Date: 13.MAR.2021 02:52:13

Date: 13.MAR.2021 02:57:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:53:47

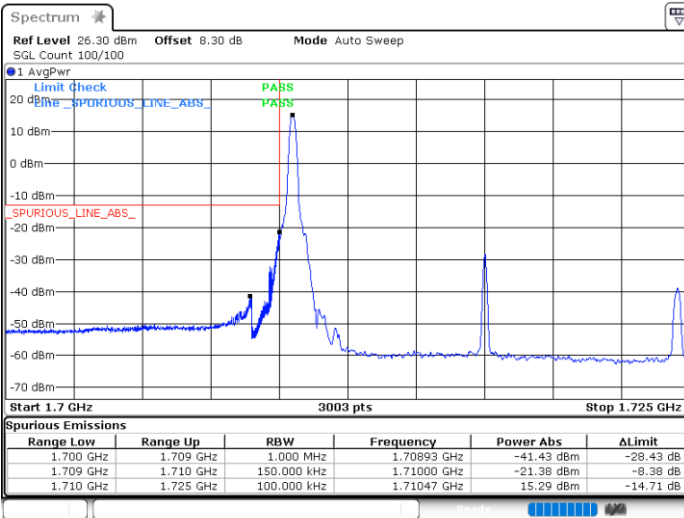
Date: 13.MAR.2021 02:58:35



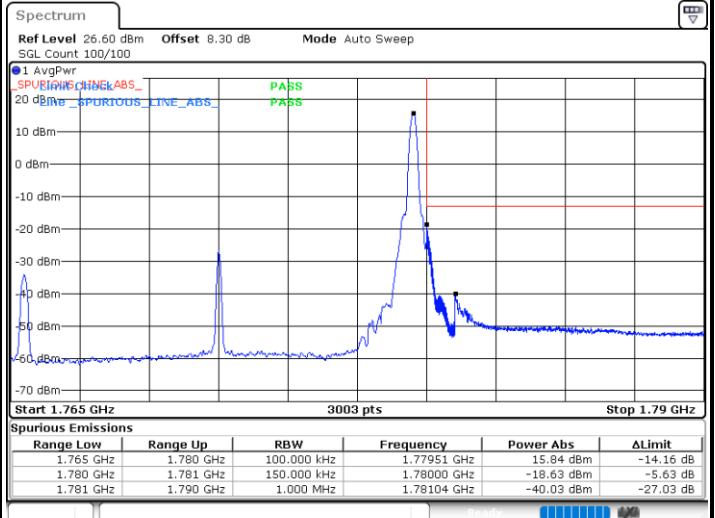
FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



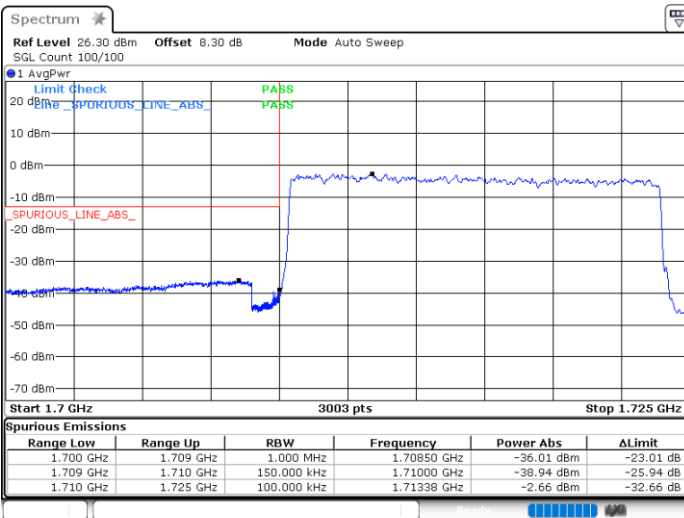
Date: 13.MAR.2021 02:52:30



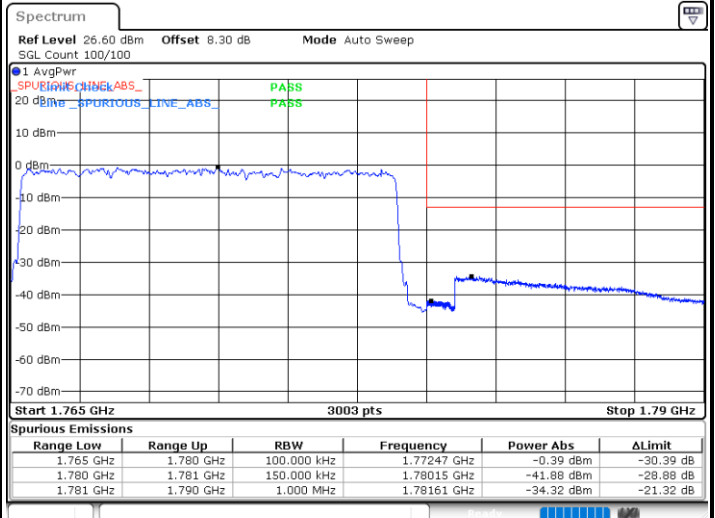
Date: 13.MAR.2021 02:57:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 02:54:06



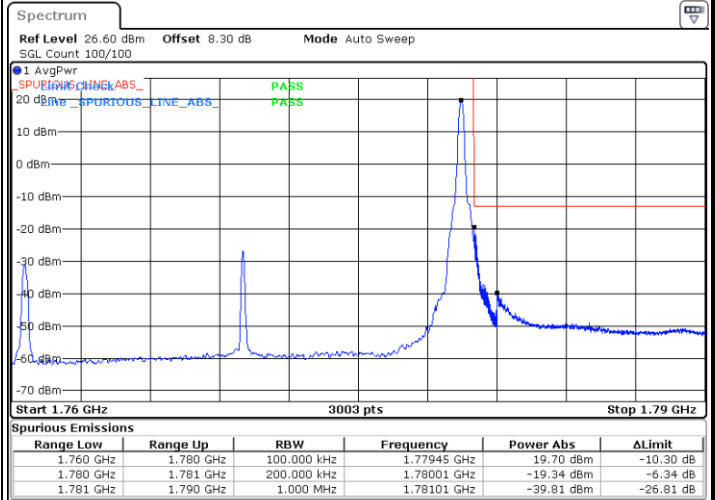
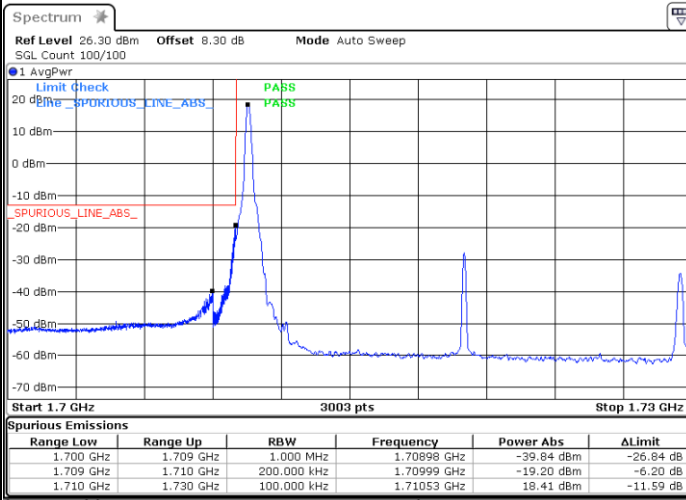
Date: 13.MAR.2021 02:58:47



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

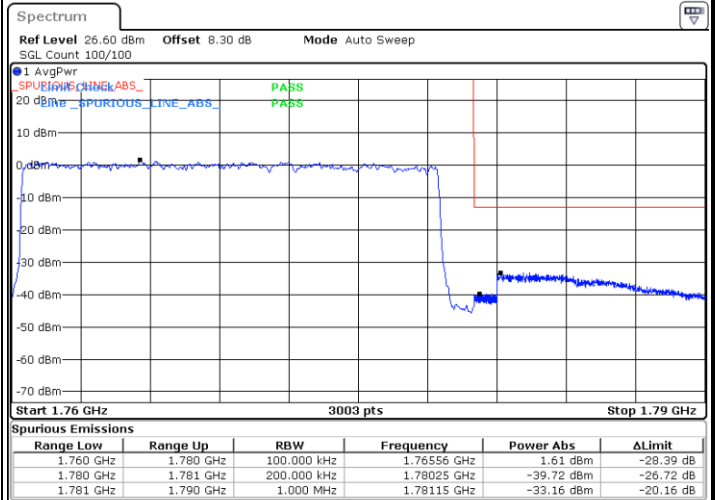
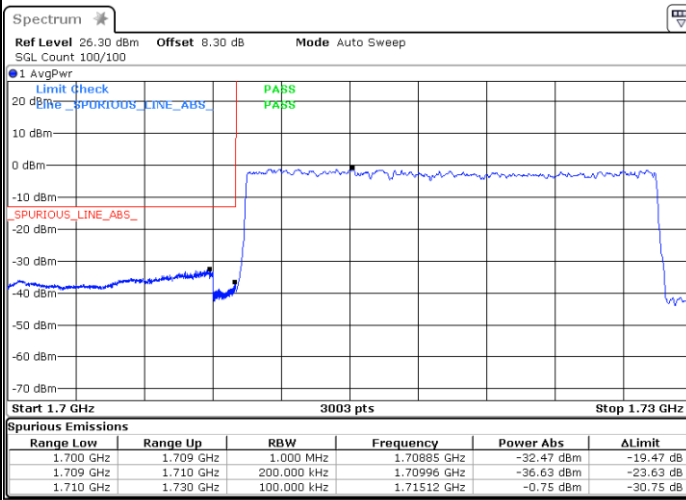


Date: 13.MAR.2021 03:01:47

Date: 13.MAR.2021 03:06:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 03:03:36

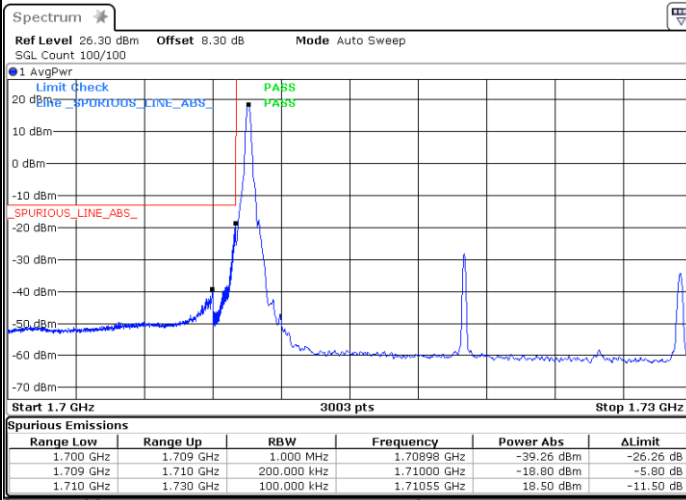
Date: 13.MAR.2021 03:07:44



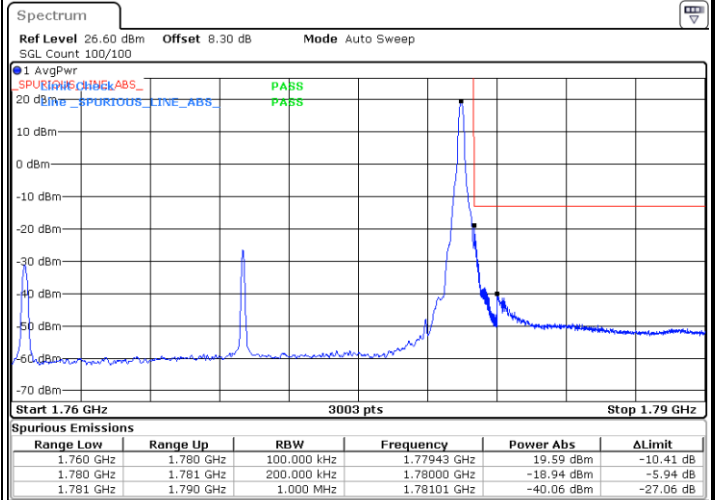
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



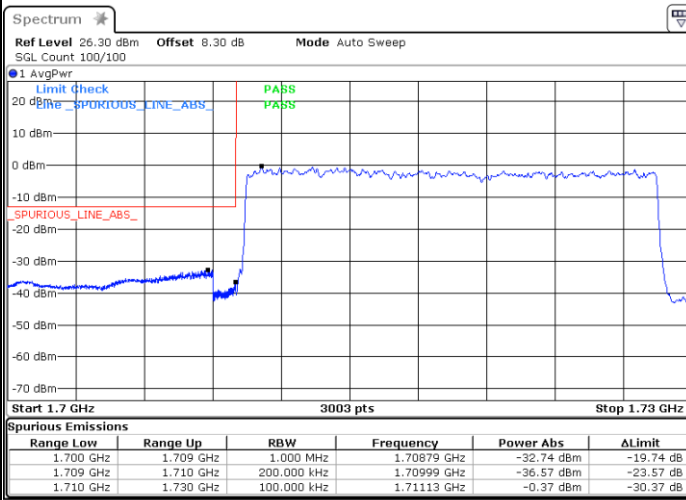
Date: 13.MAR.2021 03:02:05



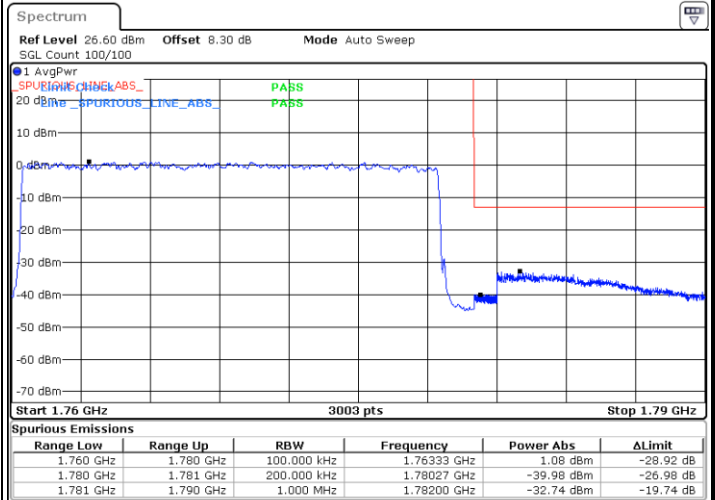
Date: 13.MAR.2021 03:06:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 03:03:55



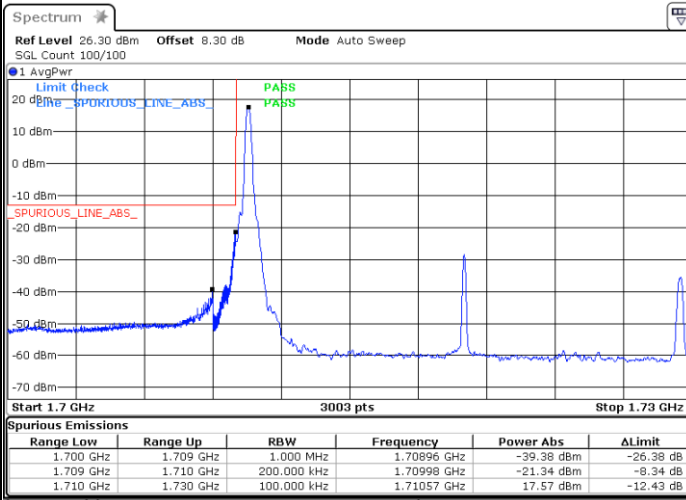
Date: 13.MAR.2021 03:08:02



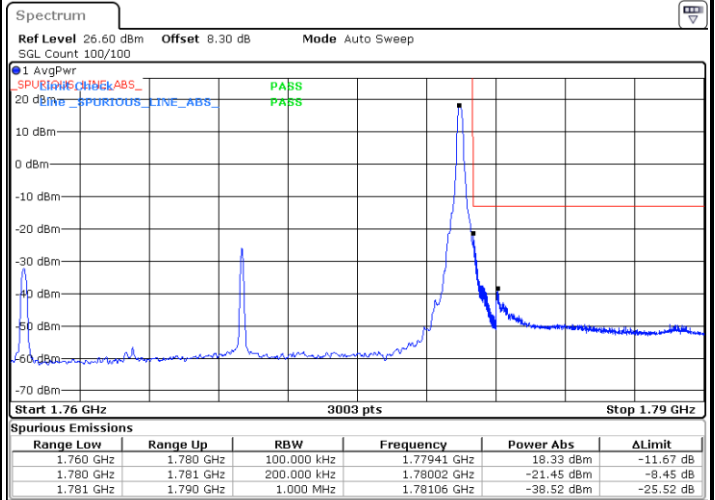
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



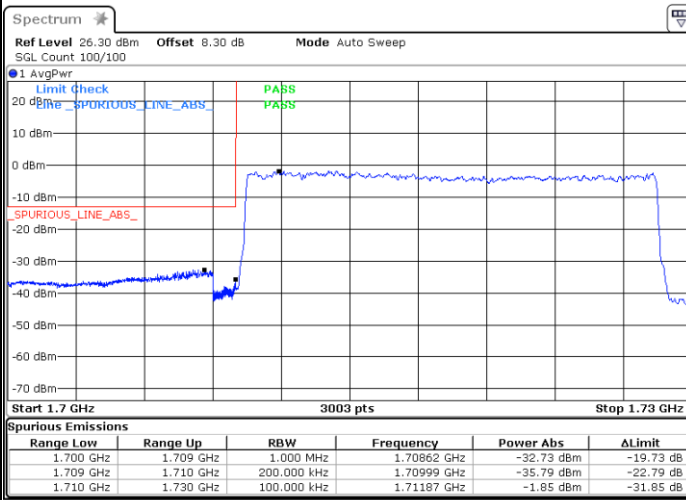
Date: 13.MAR.2021 03:02:22



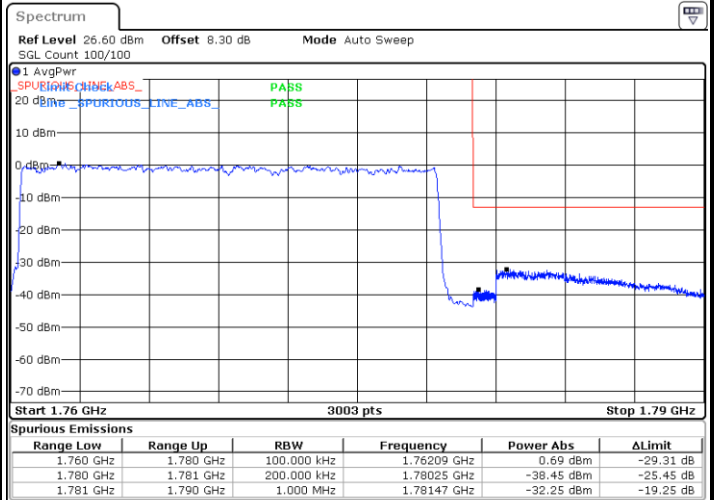
Date: 13.MAR.2021 03:06:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 03:04:41



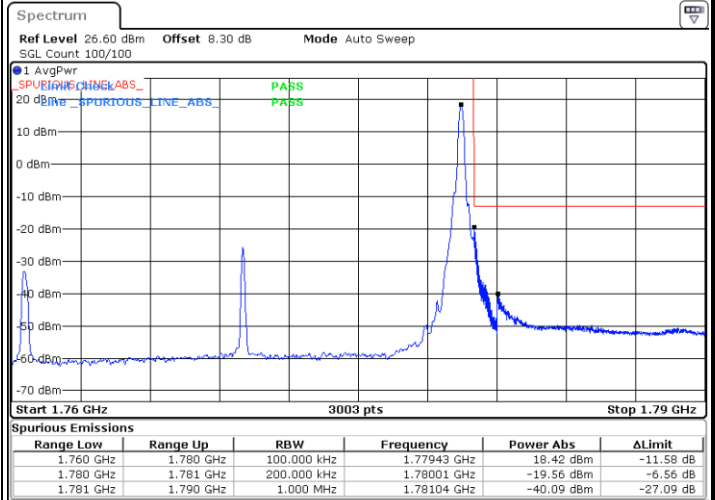
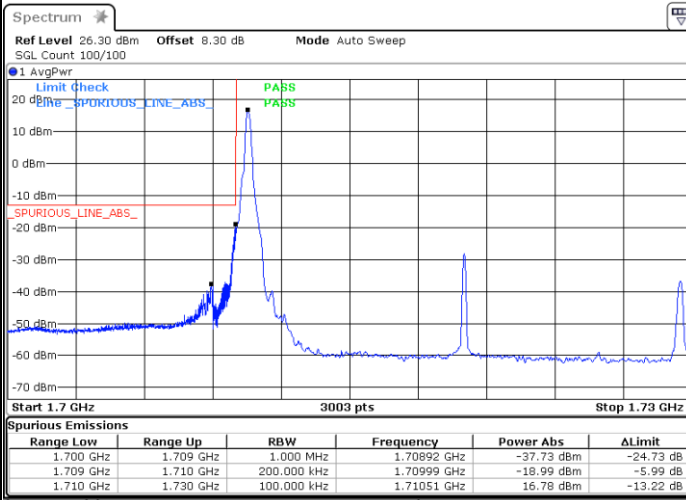
Date: 13.MAR.2021 03:08:22



FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

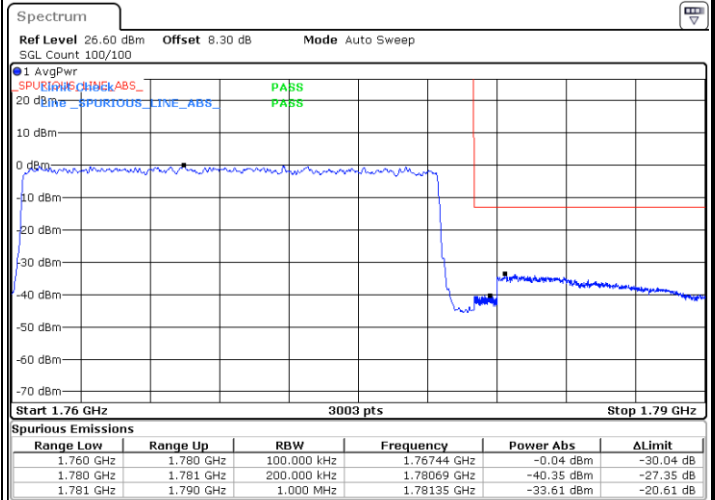
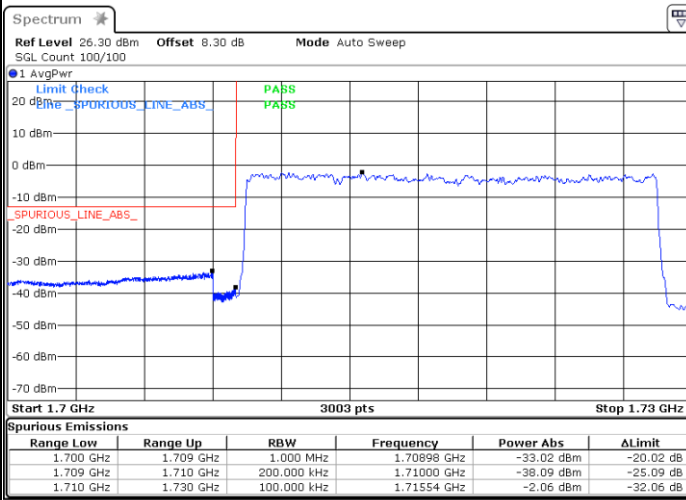


Date: 13.MAR.2021 03:02:39

Date: 13.MAR.2021 03:07:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 03:05:03

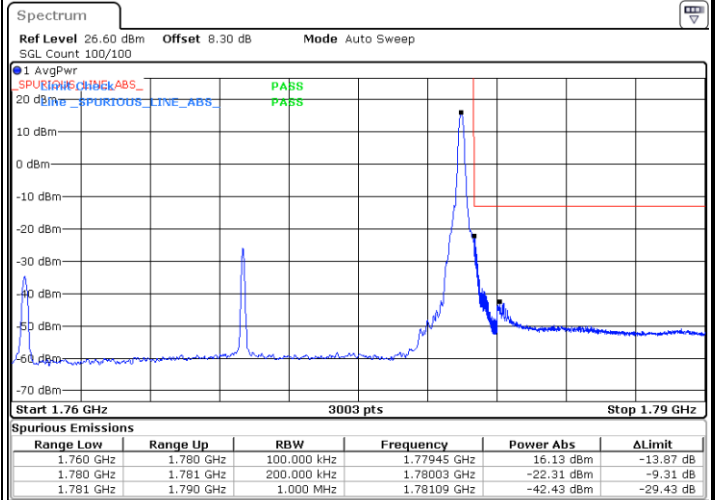
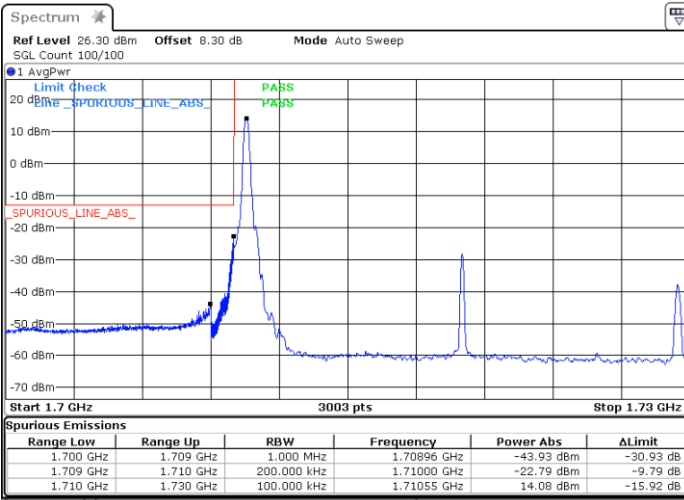
Date: 13.MAR.2021 03:08:33



FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

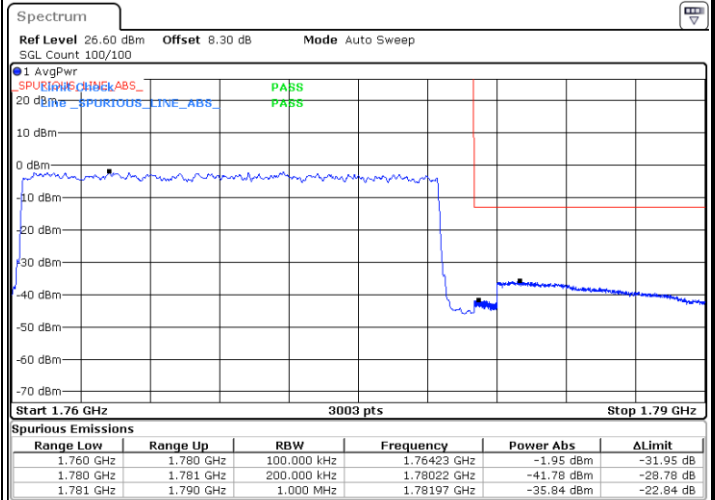
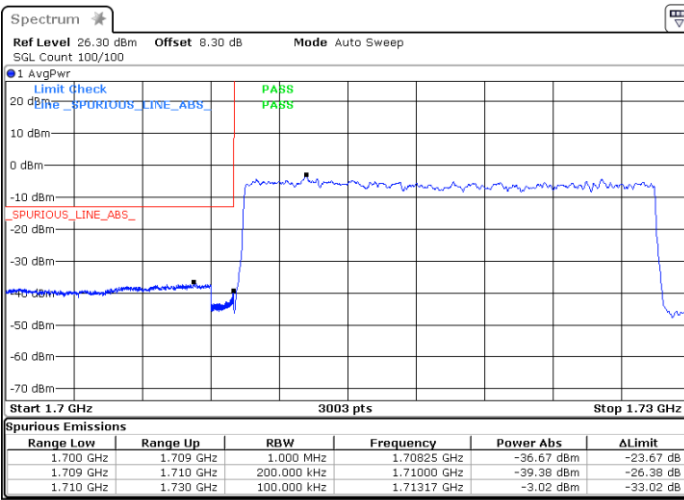


Date: 13.MAR.2021 03:02:55

Date: 13.MAR.2021 03:07:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 03:05:26

Date: 13.MAR.2021 03:08:51