

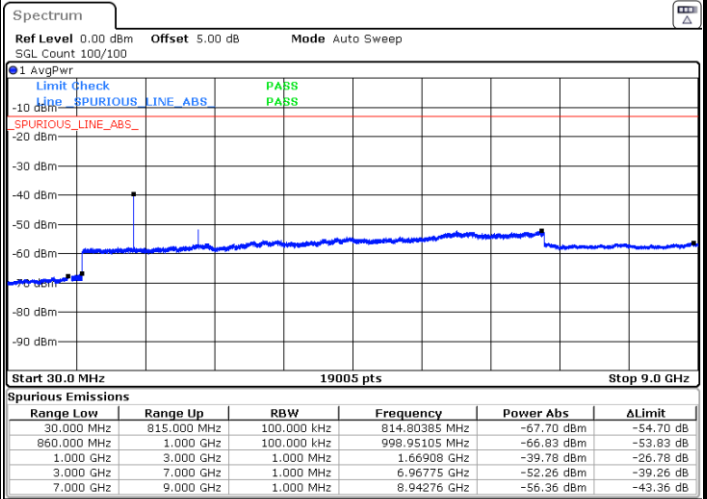
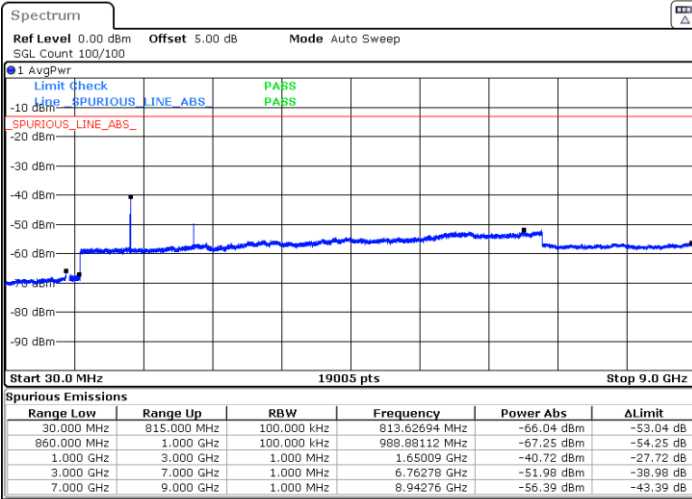


Conducted Spurious Emission

FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

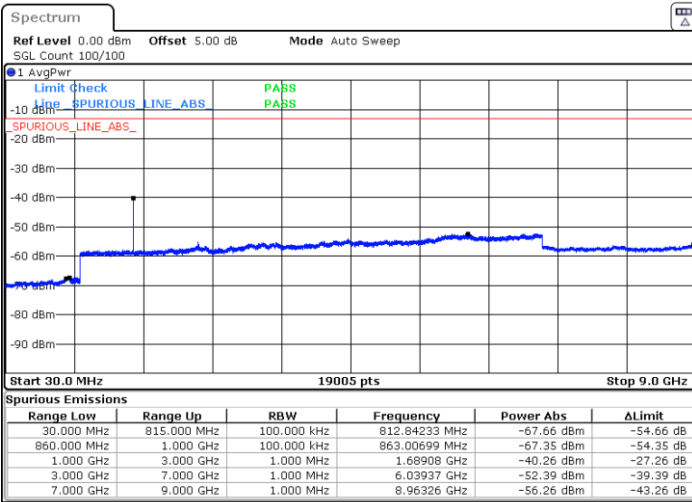
Middle Channel / 1RB1



Date: 3.FEB.2021 18:59:13

Date: 3.FEB.2021 18:58:31

Highest Channel / 1RB1



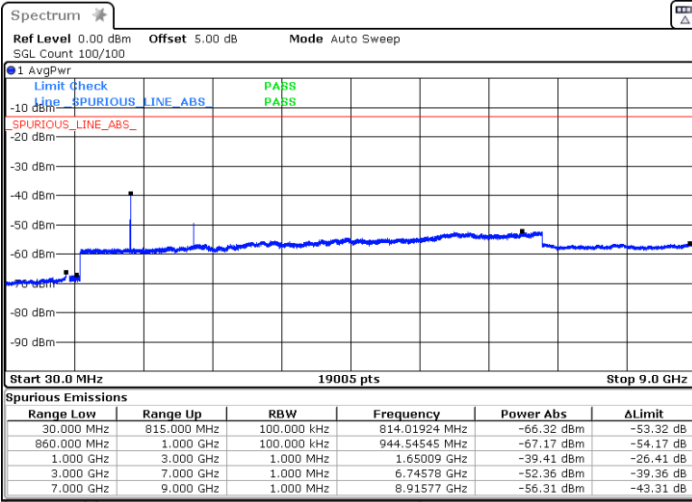
Date: 3.FEB.2021 18:59:51



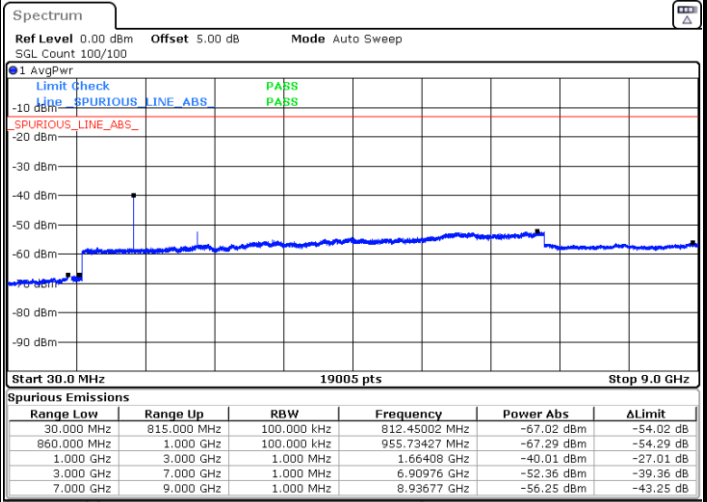
FR1 n5/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

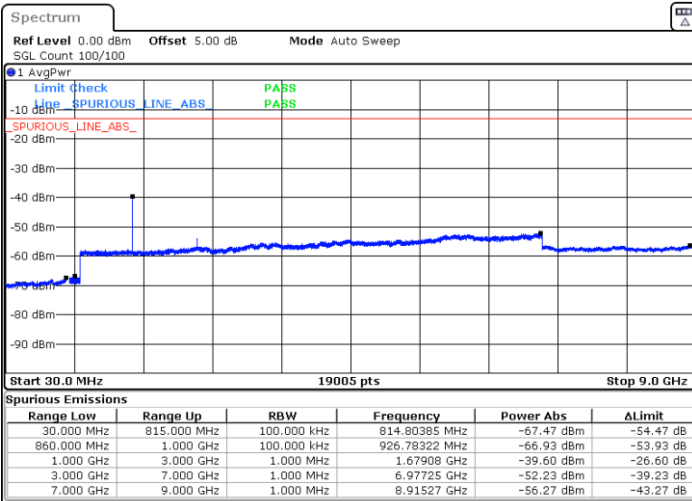


Date: 3.FEB.2021 19:03:30



Date: 3.FEB.2021 19:05:13

Highest Channel / 1RB1



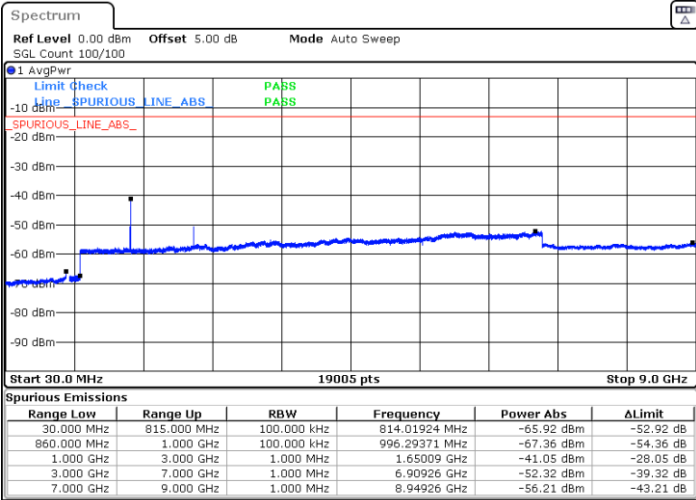
Date: 3.FEB.2021 19:05:50



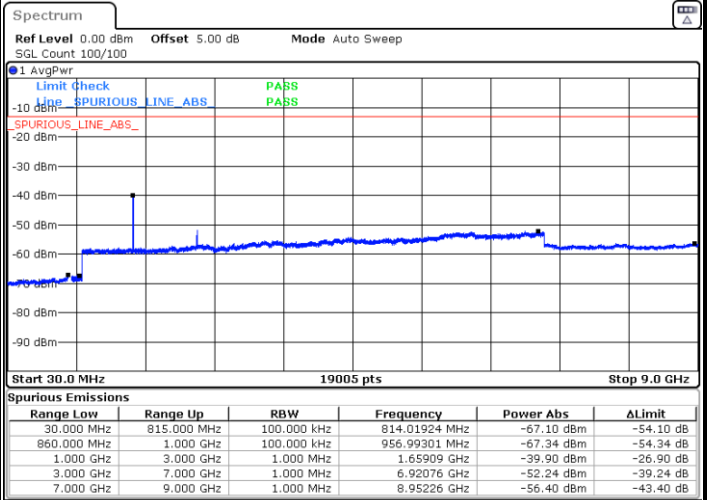
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

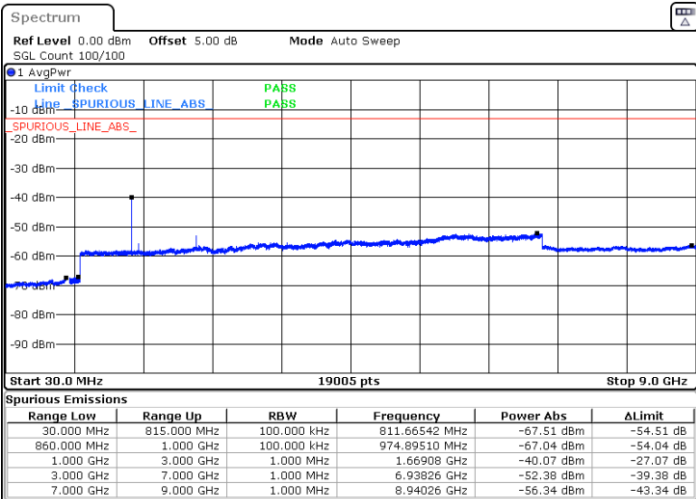


Date: 3.FEB.2021 19:06:57



Date: 3.FEB.2021 19:07:45

Highest Channel / 1RB1



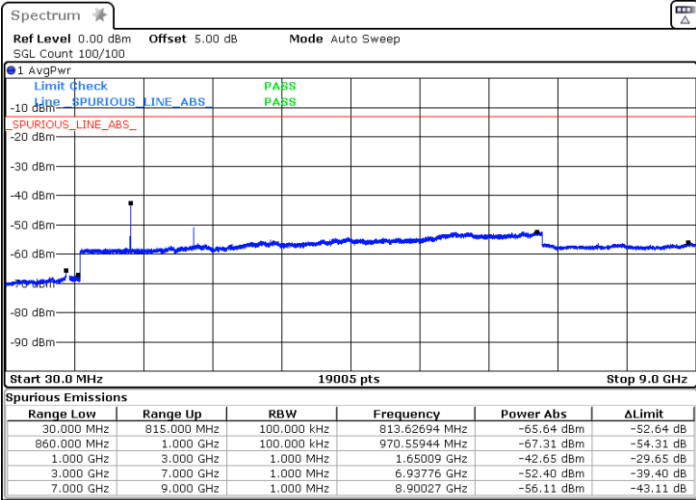
Date: 3.FEB.2021 19:08:25



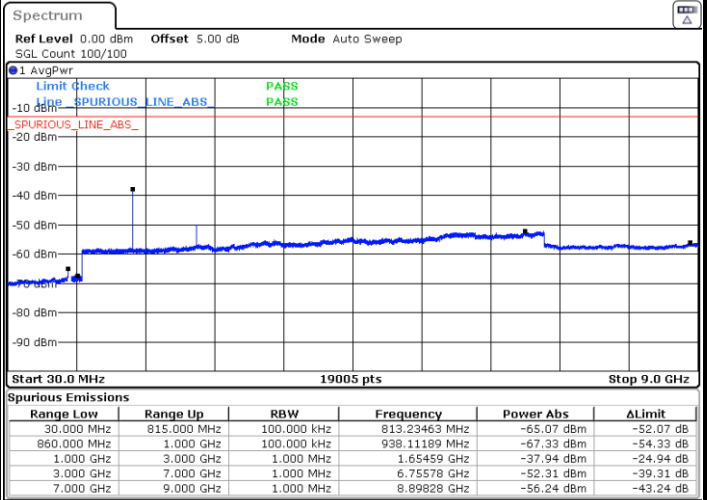
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

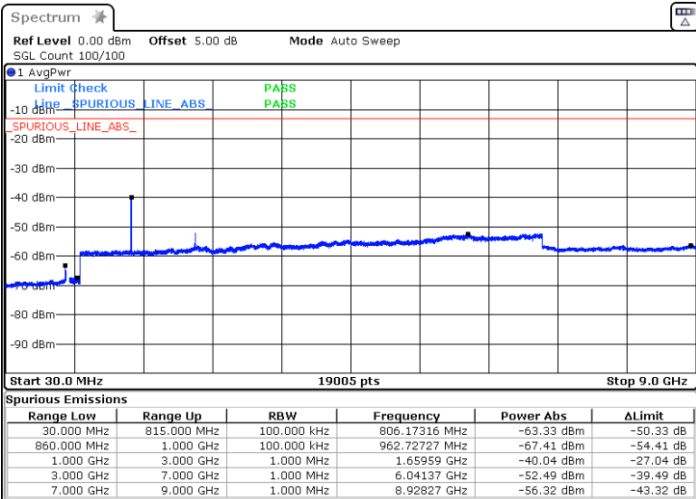


Date: 3.FEB.2021 17:27:41



Date: 3.FEB.2021 17:25:36

Highest Channel / 1RB1



Date: 3.FEB.2021 17:28:53



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0063	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0022	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

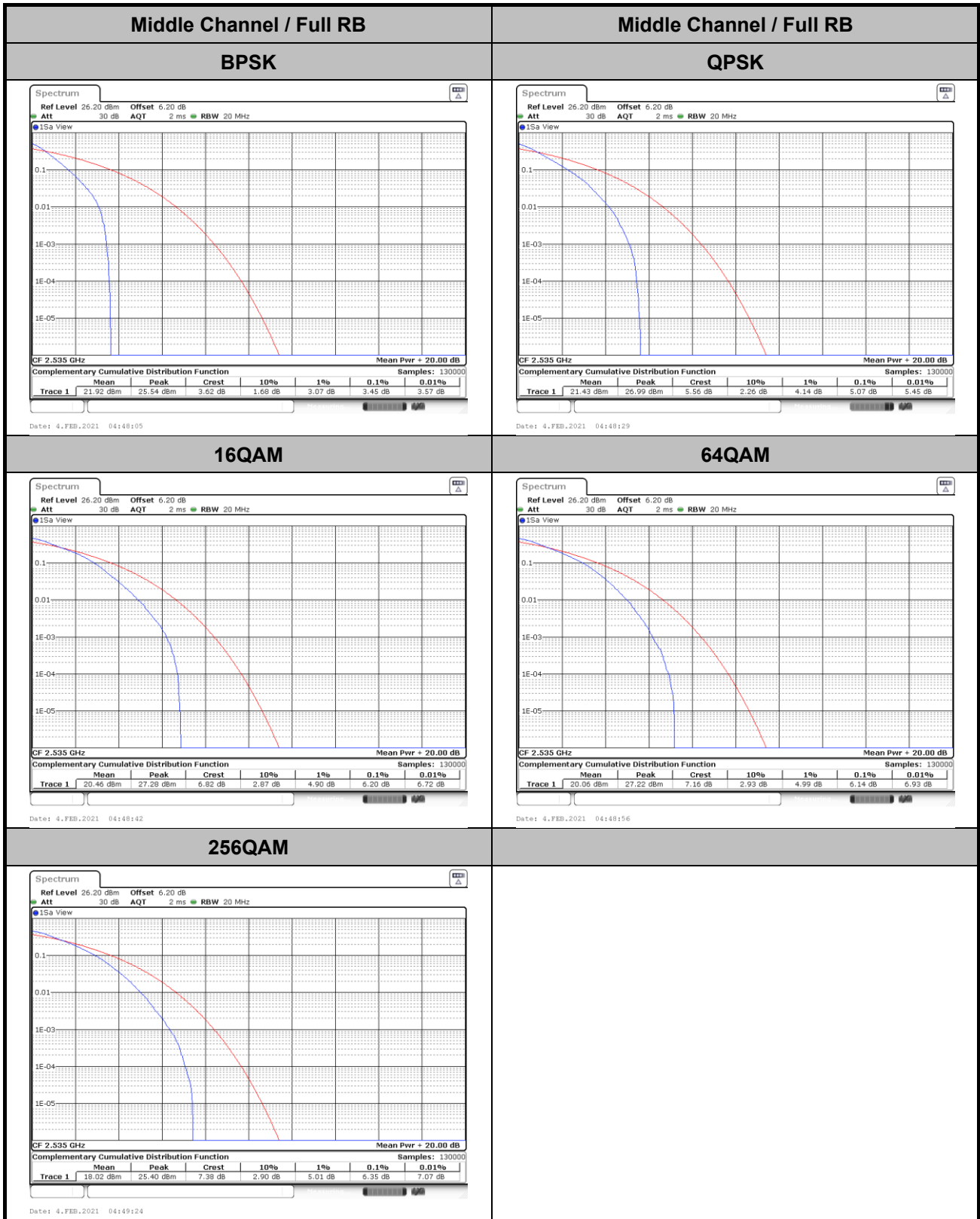
Note: Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.



FR1 n7 NSA

Peak-to-Average Ratio

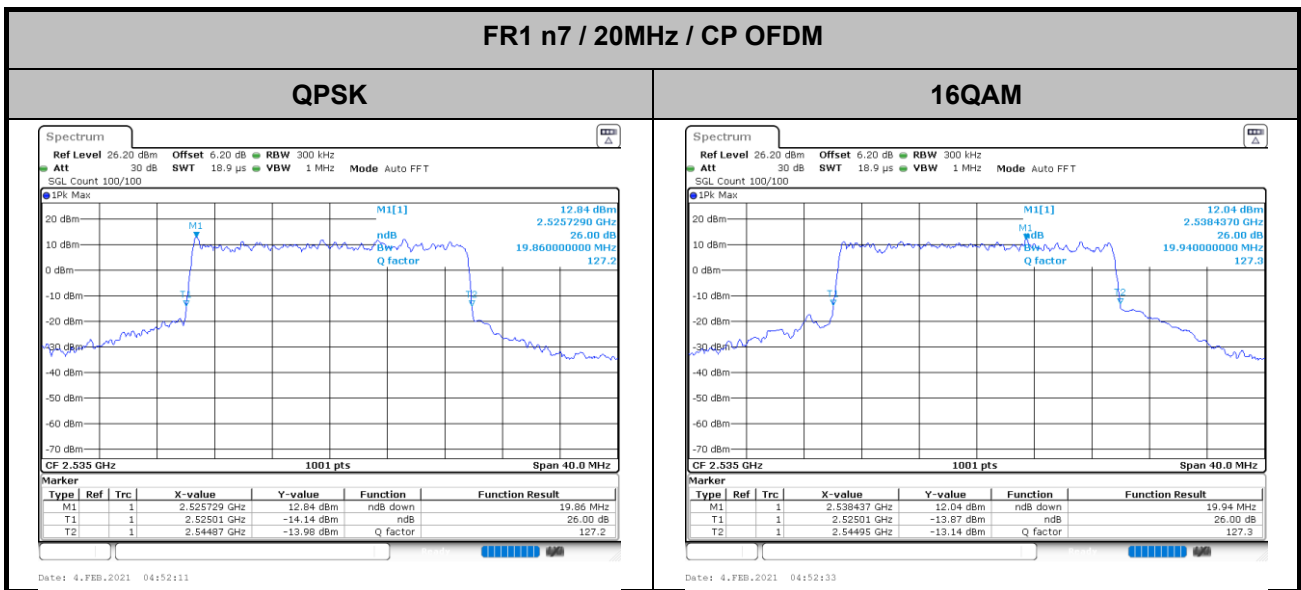
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.45	5.07	6.20	6.14	PASS
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.35				PASS





26dB Bandwidth

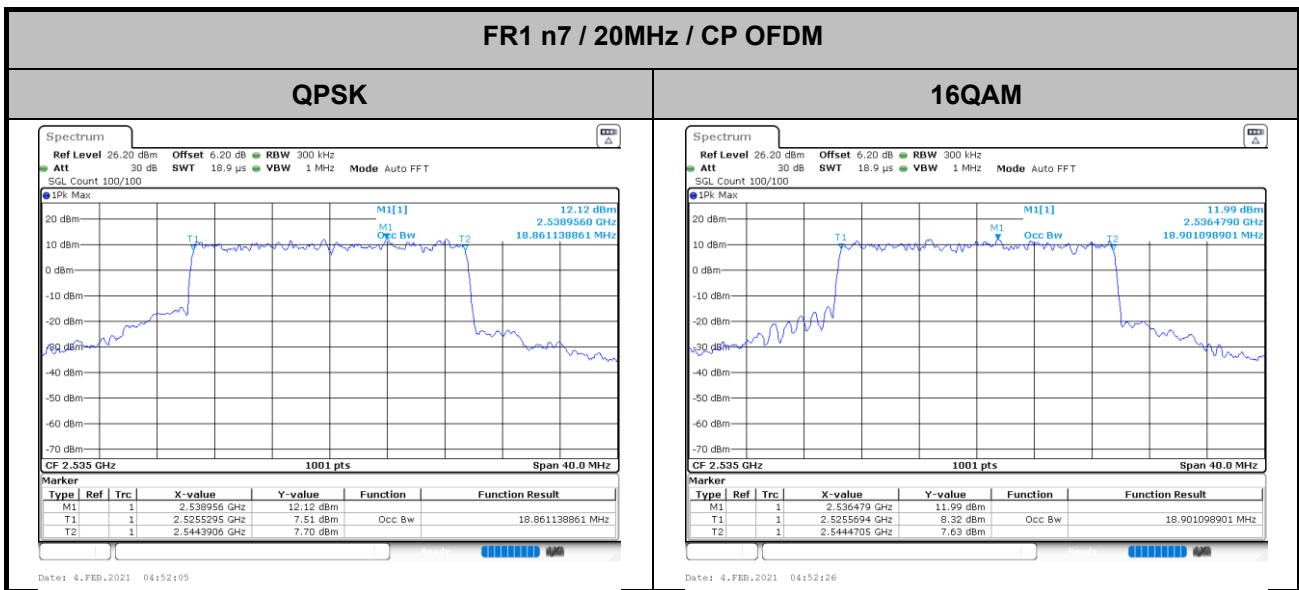
Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM	
BW	20M	
Mod.	QPSK	16QAM
Middle CH	19.86	19.94





Occupied Bandwidth

Mode	FR1 n7 : 99%OBW(MHz) / CP OFDM	
BW	20M	
Mod.	QPSK	16QAM
Middle CH	18.86	18.90



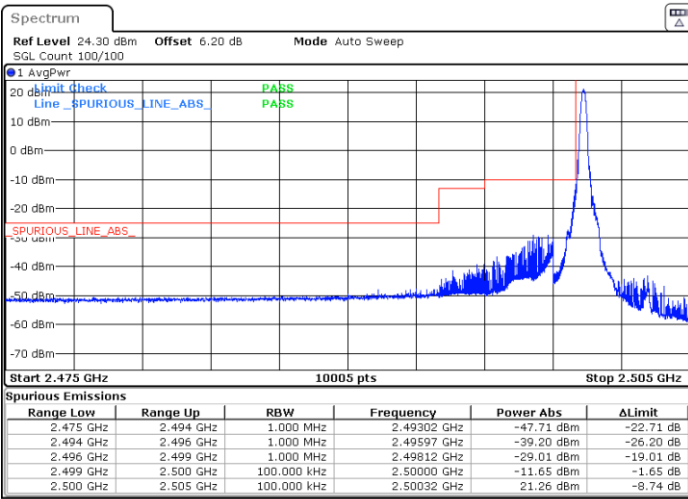


Conducted Band Edge

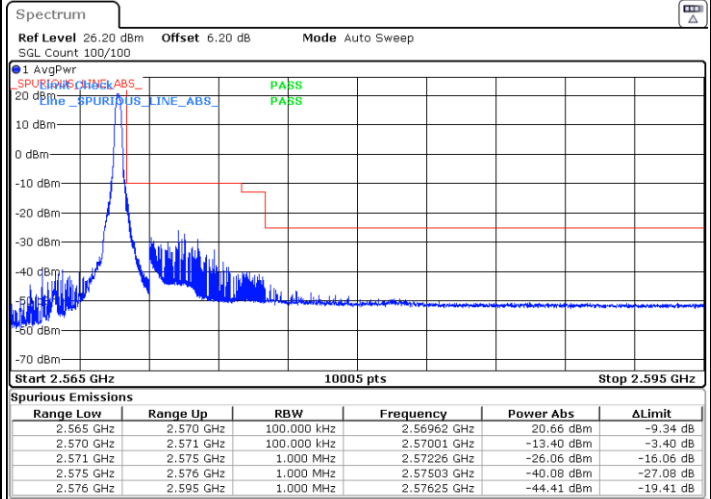
FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



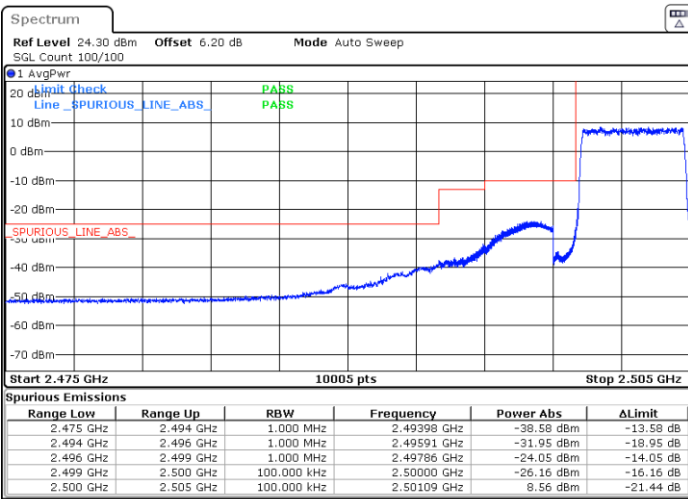
Date: 4.FEB.2021 02:15:09



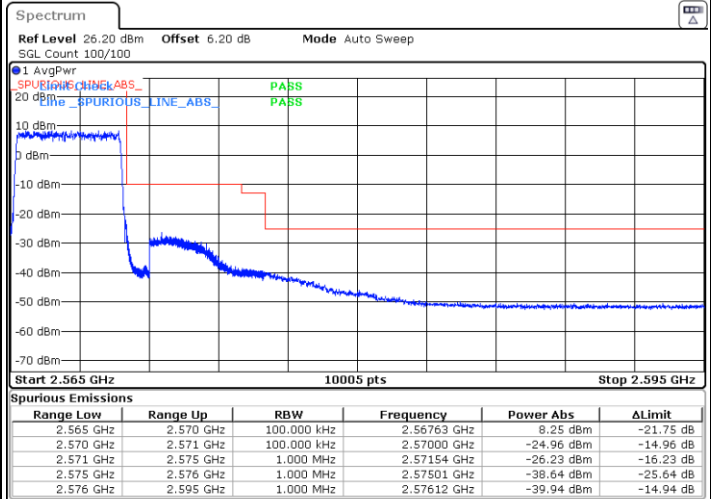
Date: 4.FEB.2021 02:54:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 02:27:30



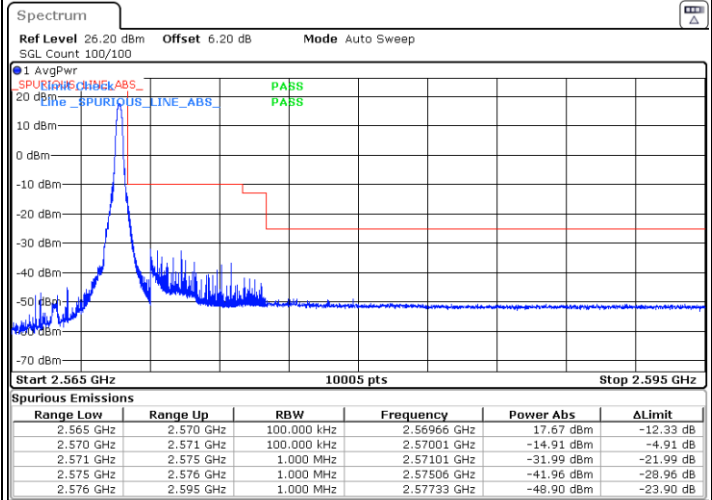
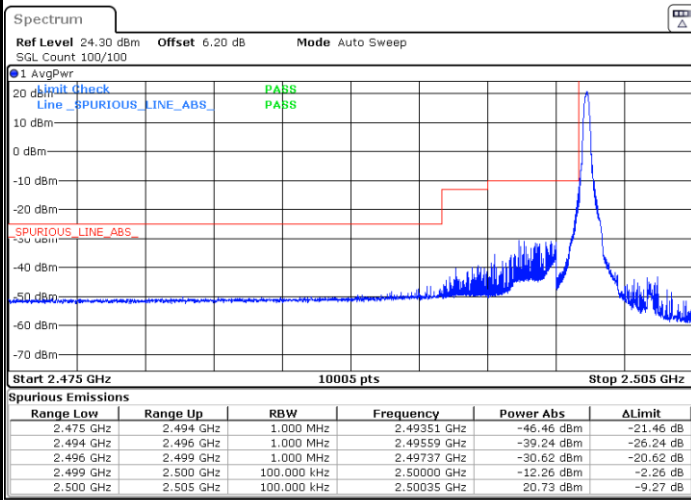
Date: 4.FEB.2021 02:29:17



FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

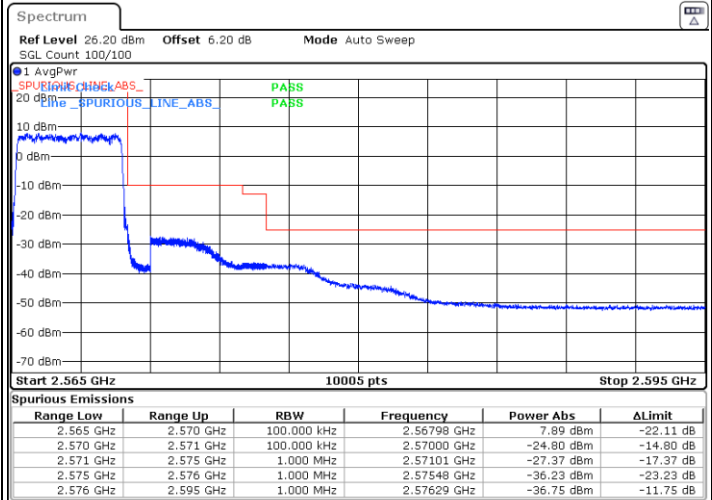
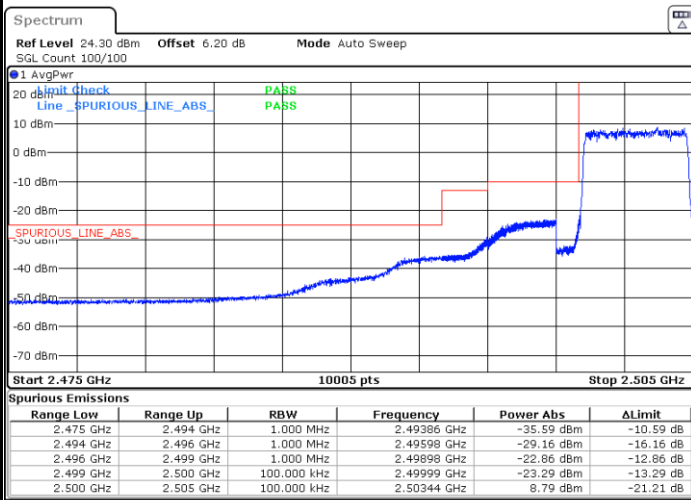


Date: 4.FEB.2021 02:17:08

Date: 4.FEB.2021 02:52:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 02:27:07

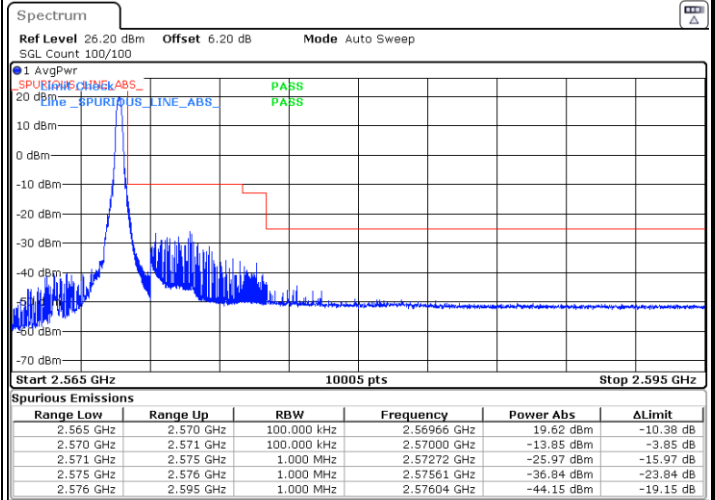
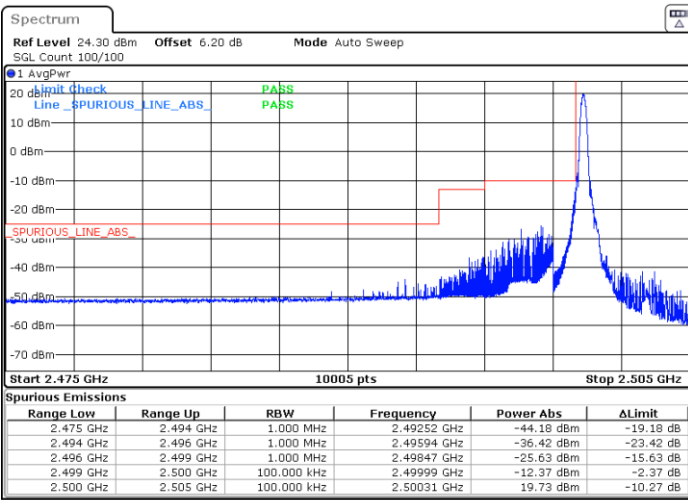
Date: 4.FEB.2021 02:30:43



FR1 n7 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

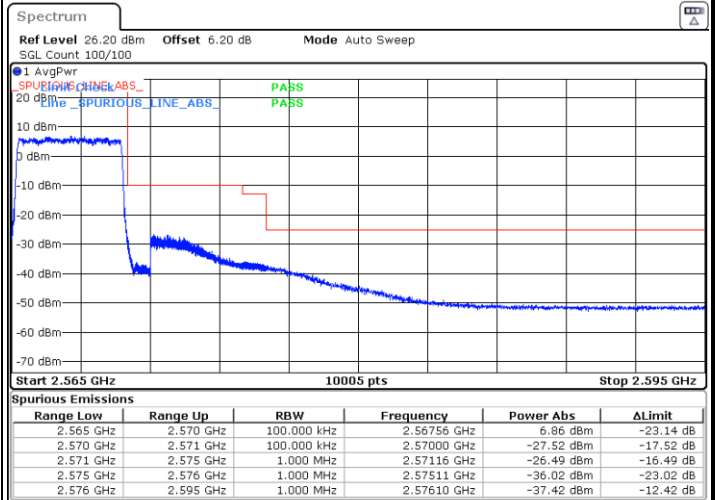
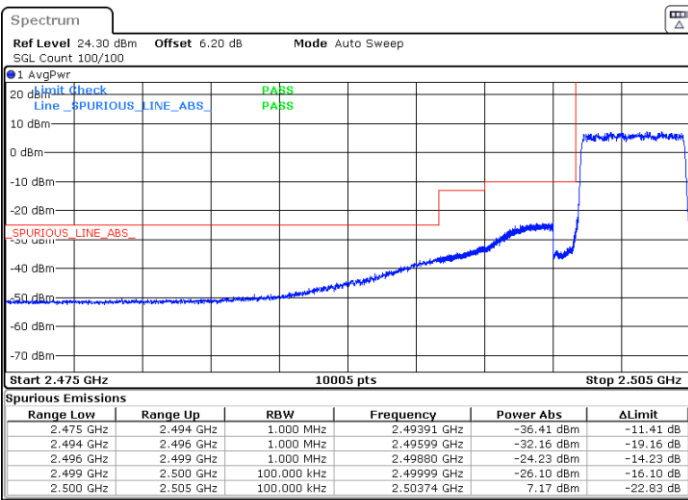


Date: 4.FEB.2021 02:20:59

Date: 4.FEB.2021 02:52:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 02:26:50

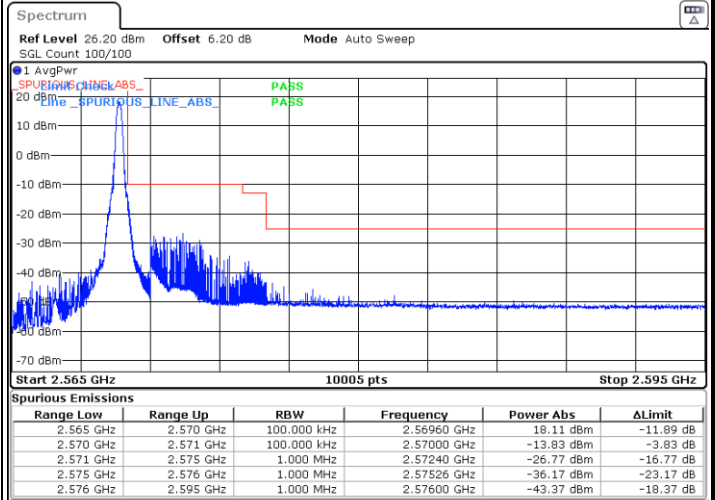
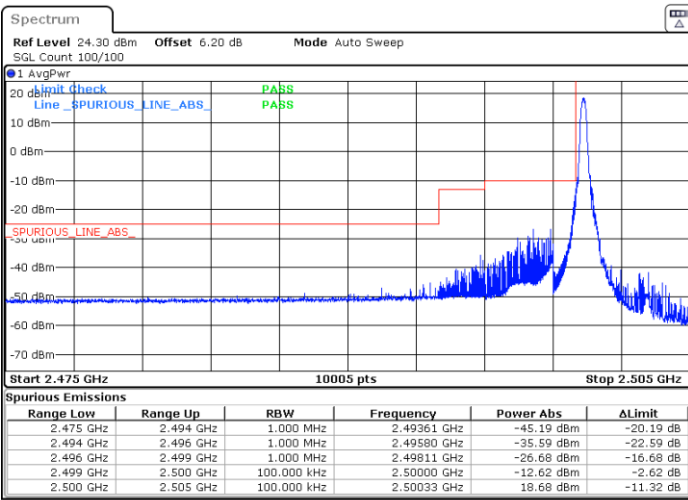
Date: 4.FEB.2021 02:31:06



FR1 n7 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

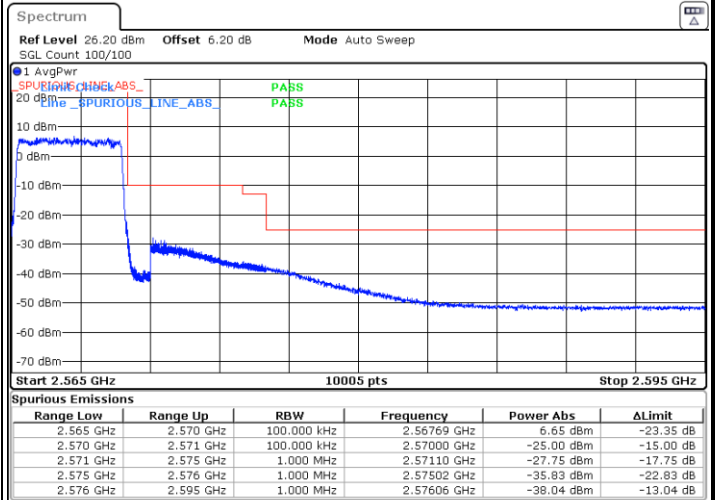
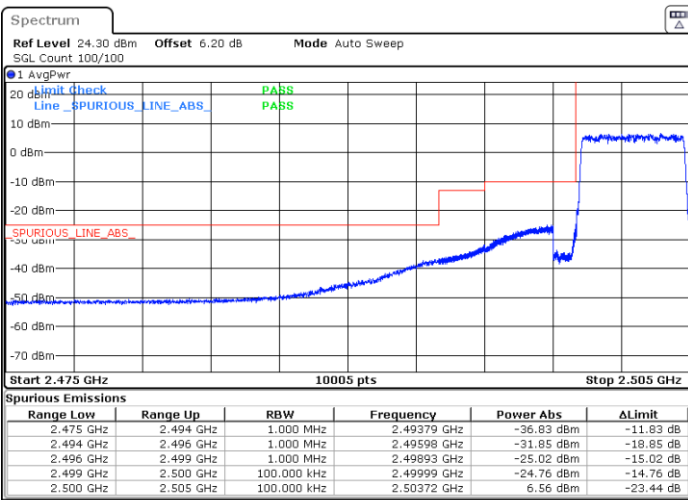


Date: 4.FEB.2021 02:21:51

Date: 4.FEB.2021 02:51:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 02:26:30

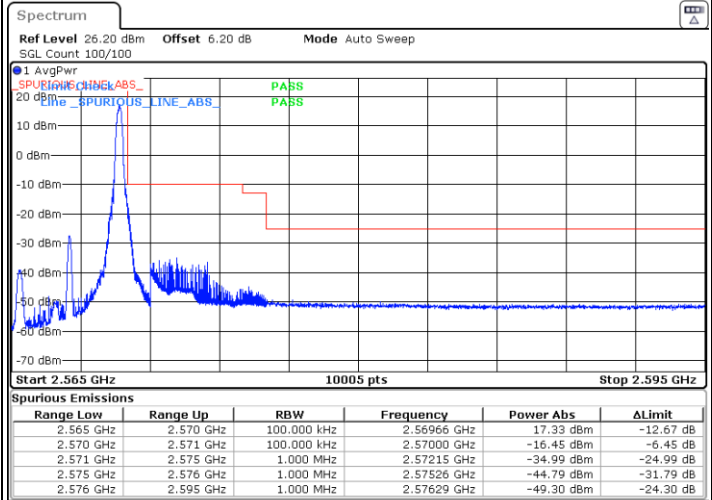
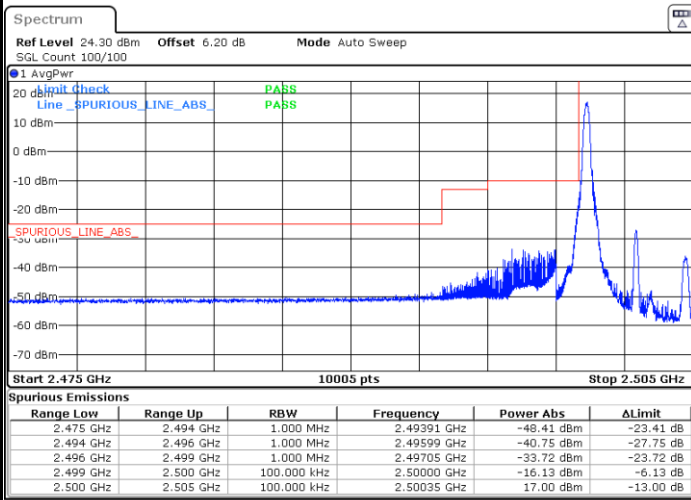
Date: 4.FEB.2021 02:31:25



FR1 n7 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

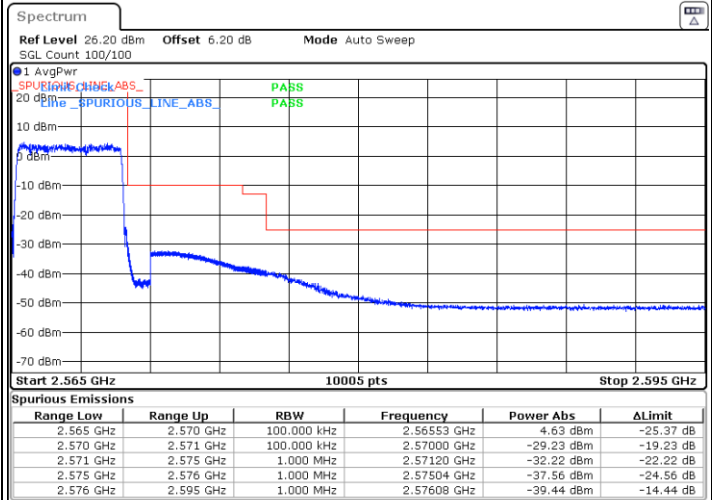
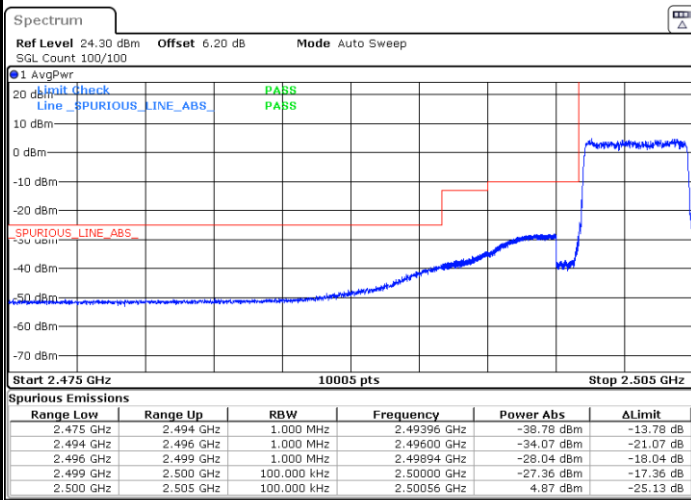


Date: 4.FEB.2021 02:23:43

Date: 4.FEB.2021 02:51:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 02:26:09

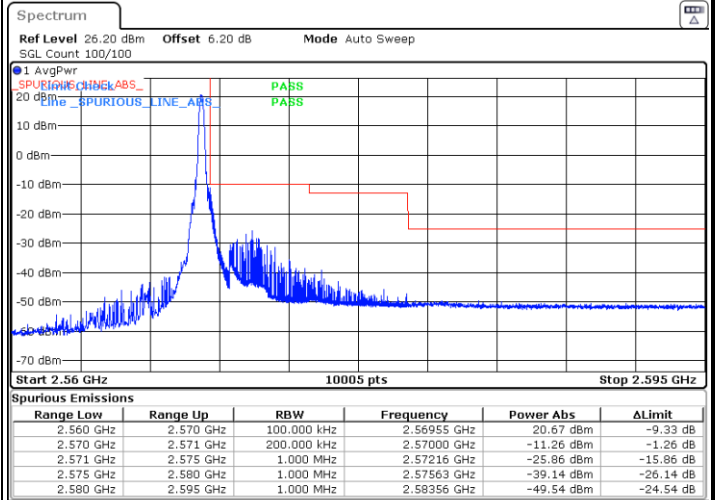
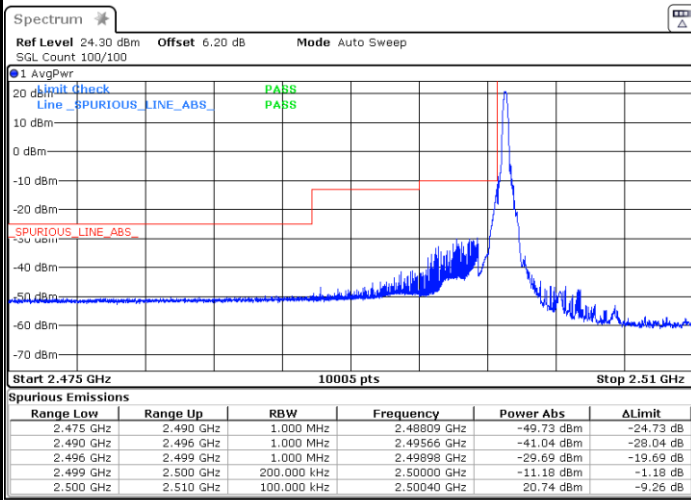
Date: 4.FEB.2021 02:31:44



FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

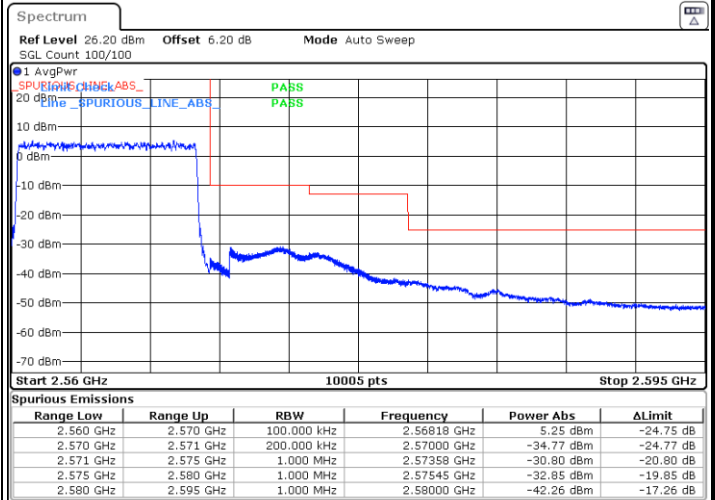
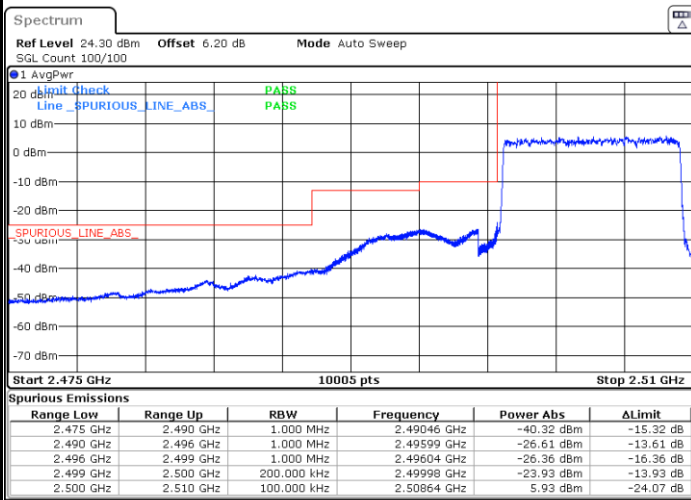


Date: 4.FEB.2021 03:17:30

Date: 4.FEB.2021 03:32:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:23:35

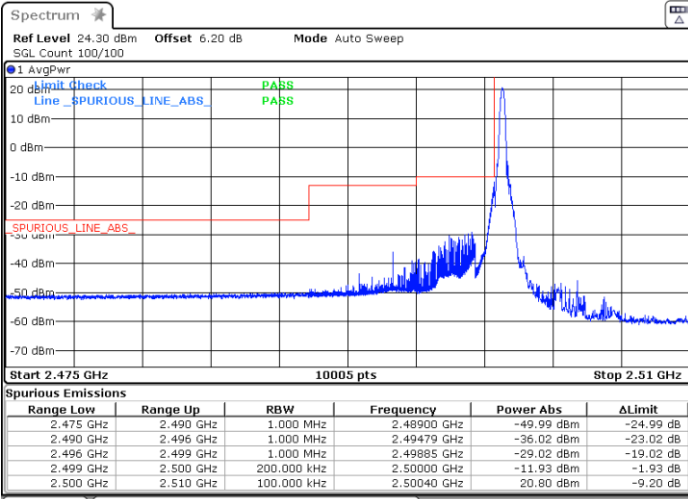
Date: 4.FEB.2021 03:24:29



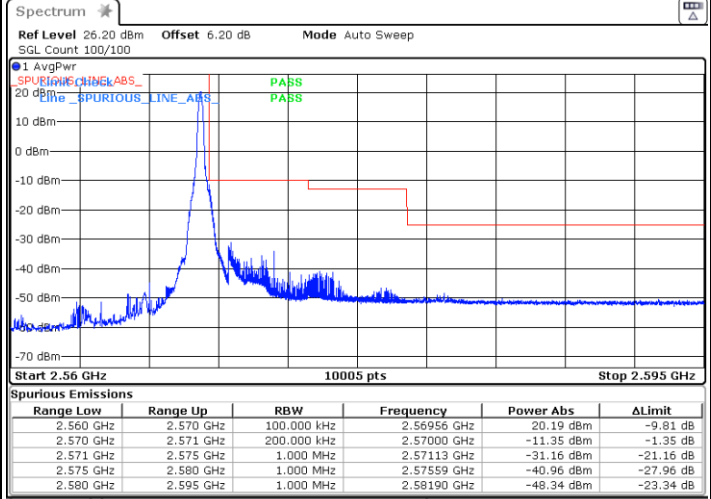
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



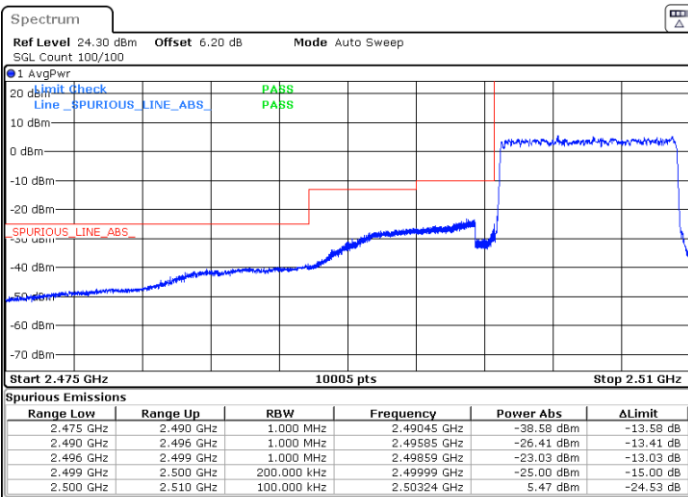
Date: 4.FEB.2021 03:18:35



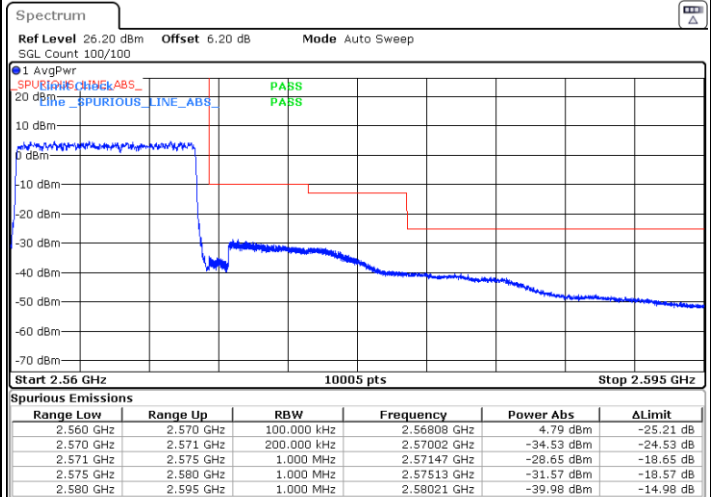
Date: 4.FEB.2021 03:31:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:23:04



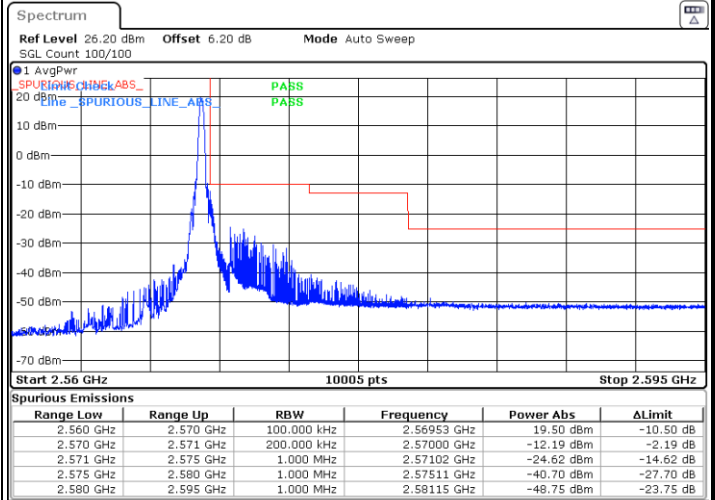
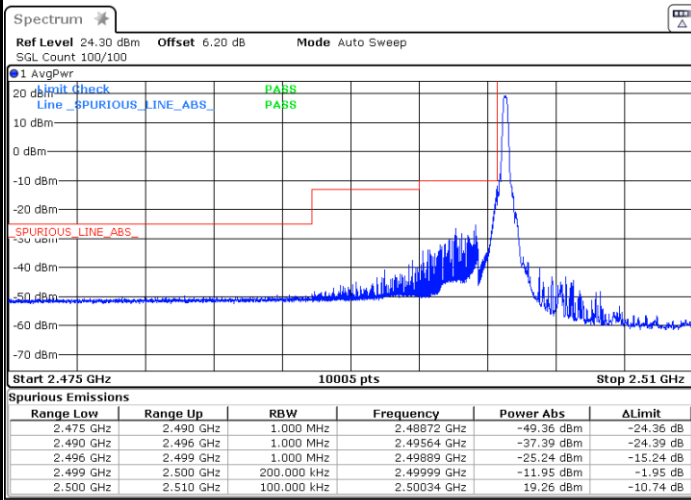
Date: 4.FEB.2021 03:24:50



FR1 n7 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

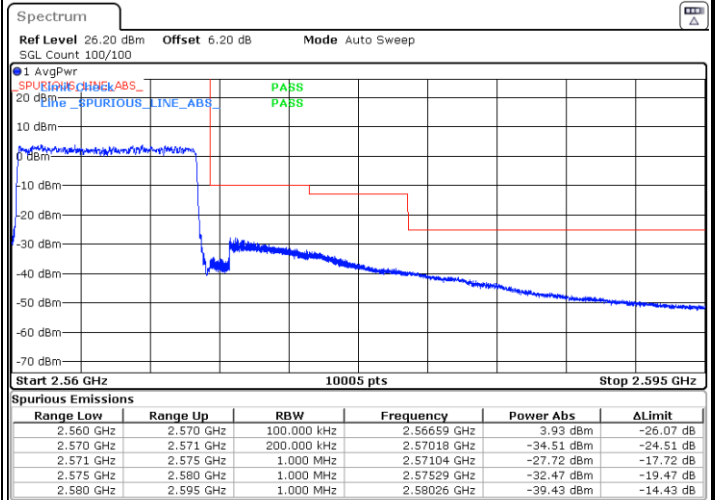
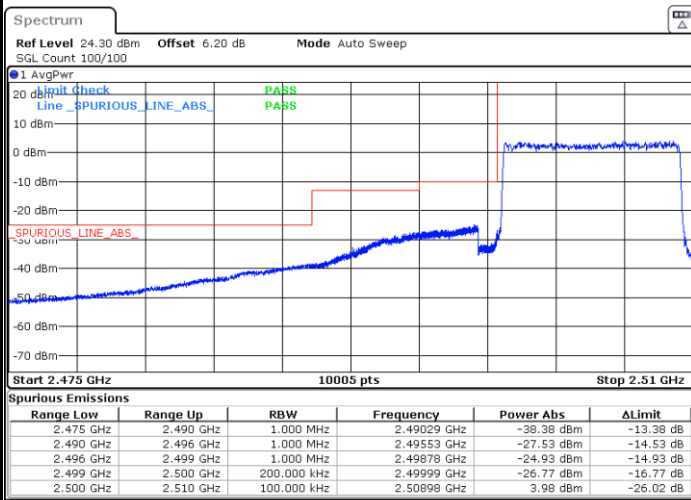


Date: 4.FEB.2021 03:19:28

Date: 4.FEB.2021 03:30:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:22:42

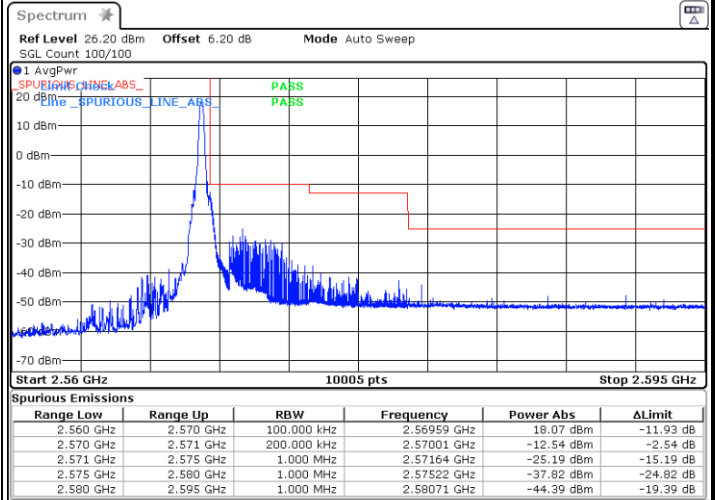
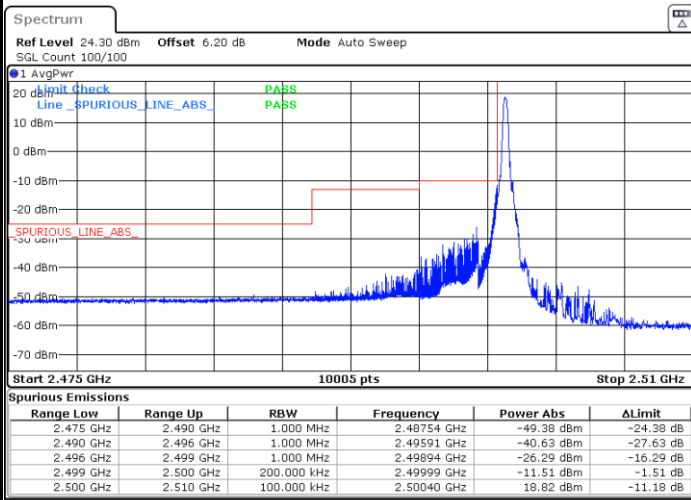
Date: 4.FEB.2021 03:25:07



FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

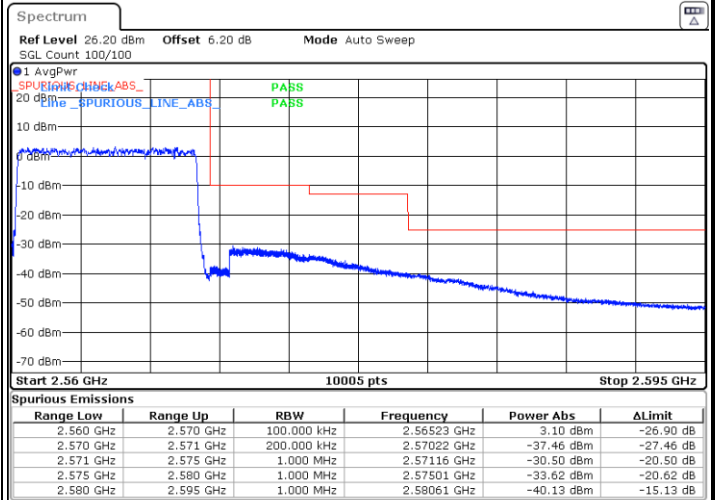
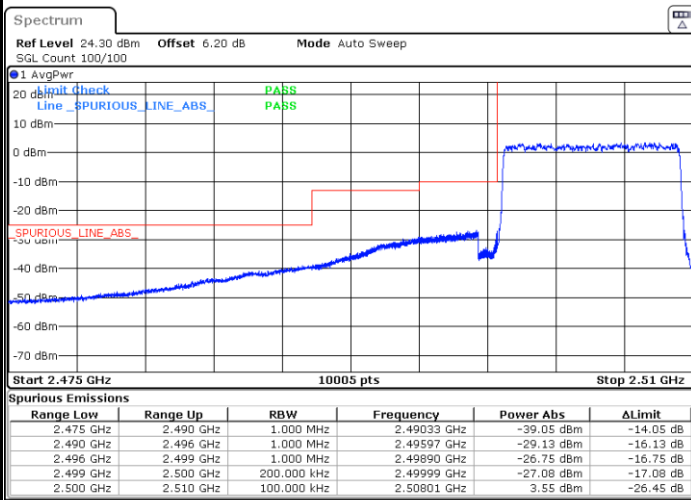


Date: 4.FEB.2021 03:20:03

Date: 4.FEB.2021 03:28:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:22:22

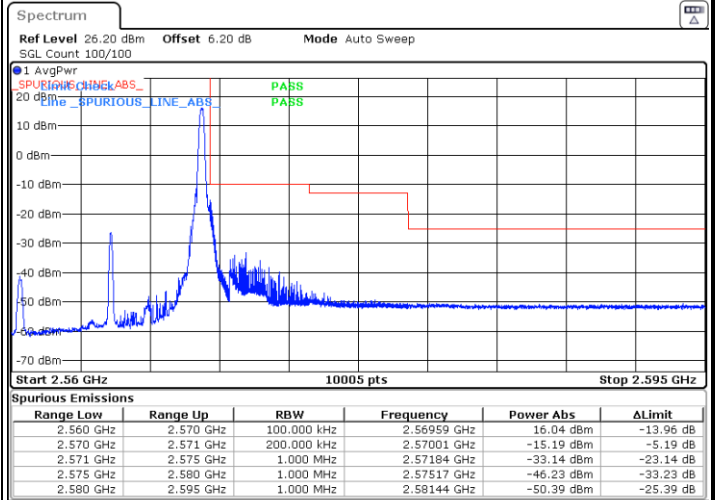
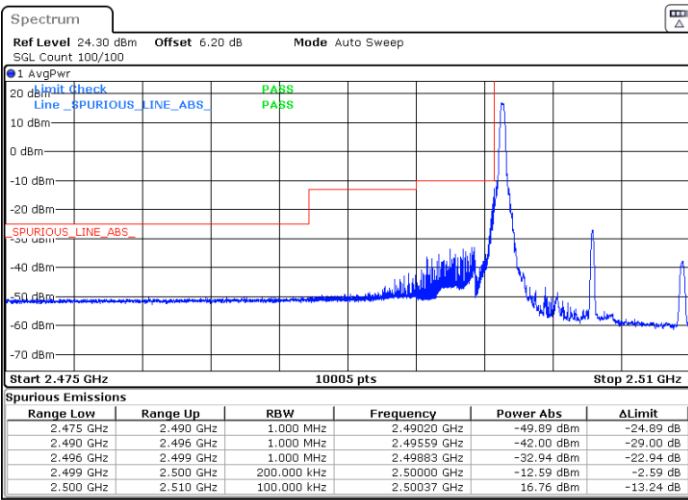
Date: 4.FEB.2021 03:25:27



FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

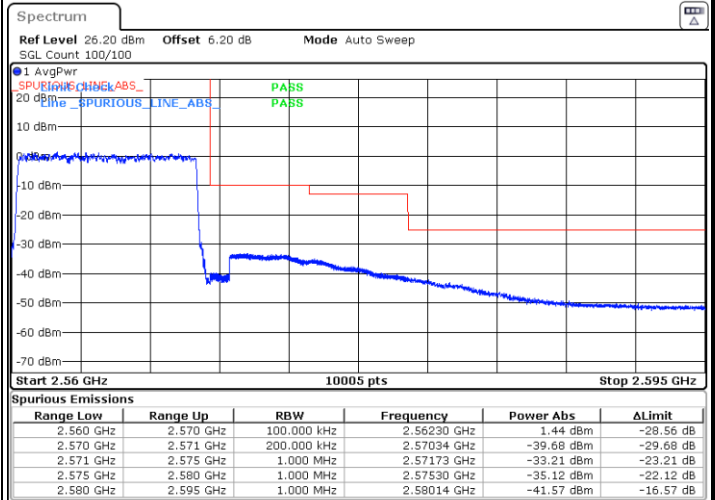
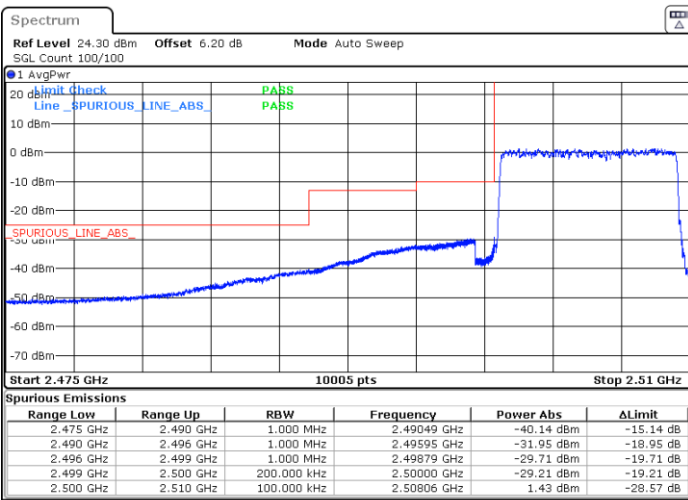


Date: 4.FEB.2021 03:20:35

Date: 4.FEB.2021 03:26:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:22:04

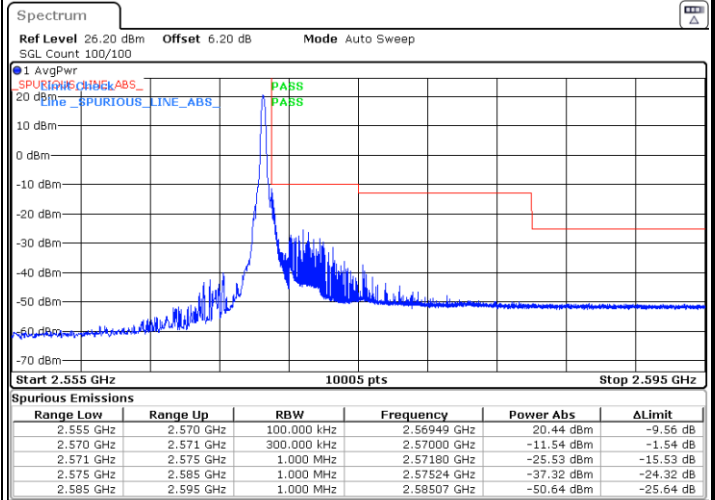
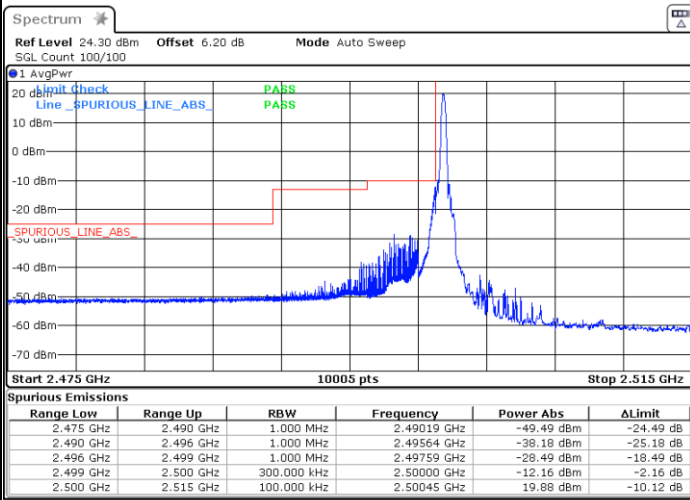
Date: 4.FEB.2021 03:25:42



FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

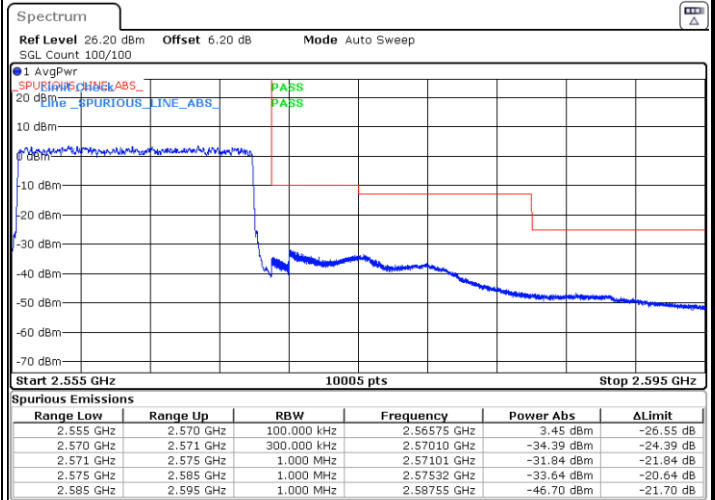
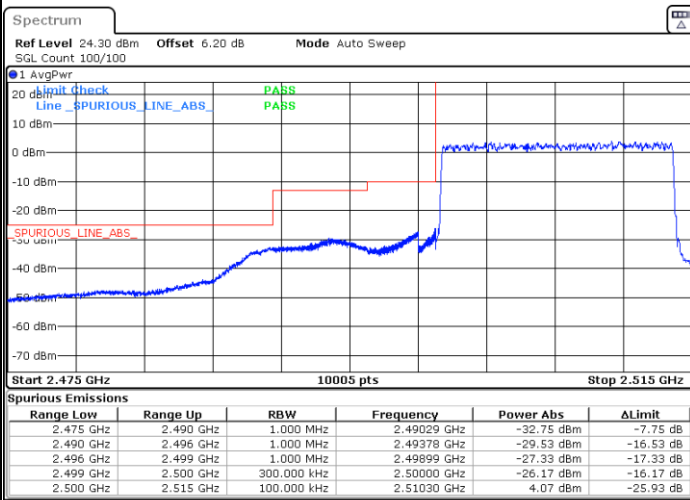


Date: 4.FEB.2021 03:39:47

Date: 4.FEB.2021 03:49:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:47:01

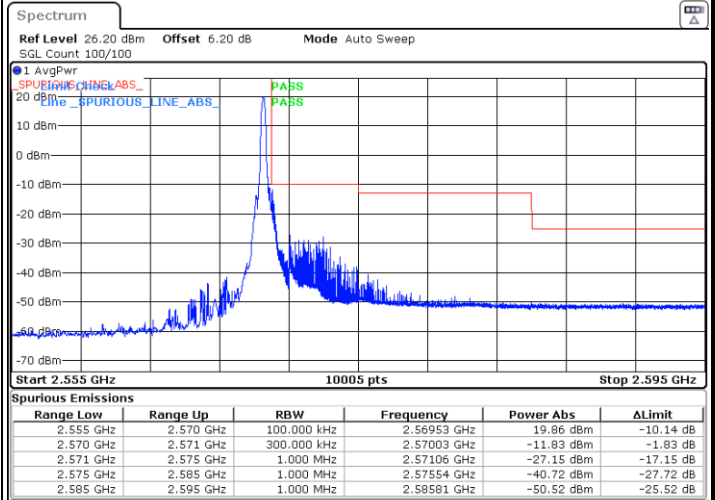
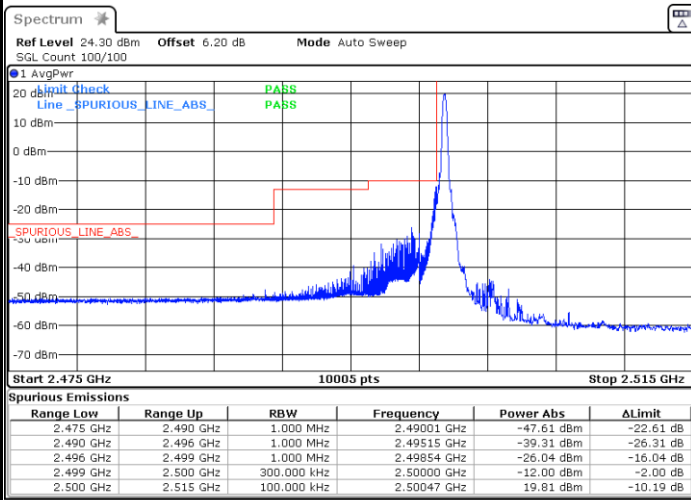
Date: 4.FEB.2021 03:50:48



FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

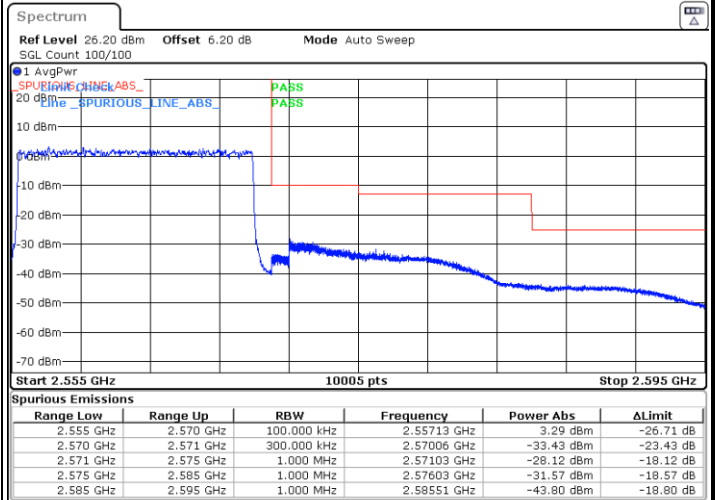
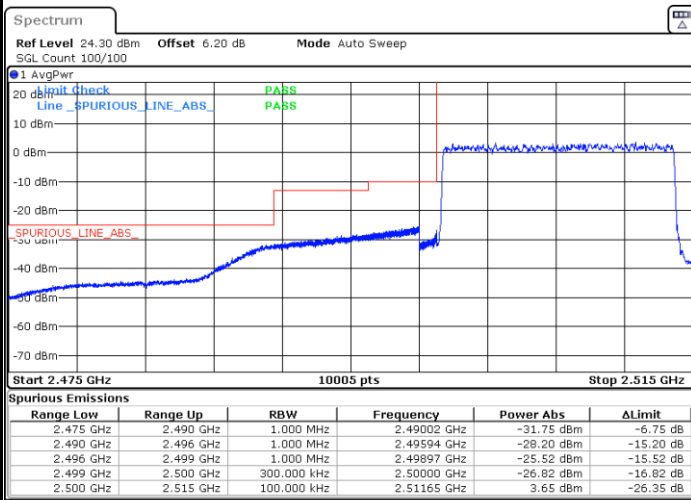


Date: 4.FEB.2021 03:40:20

Date: 4.FEB.2021 03:49:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:46:42

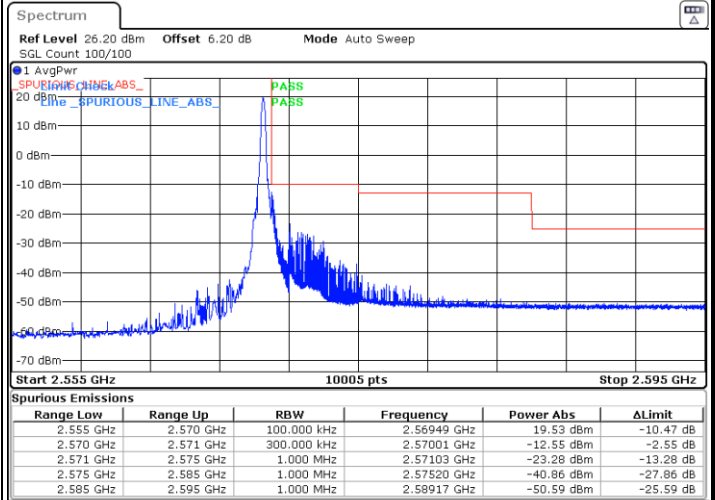
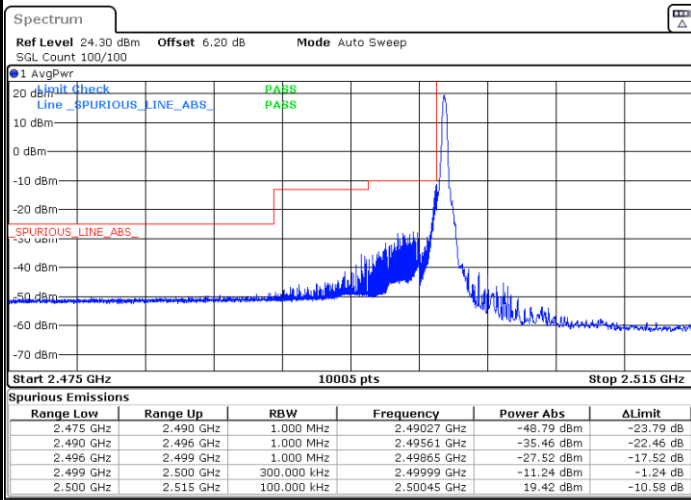
Date: 4.FEB.2021 03:58:20



FR1 n7 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

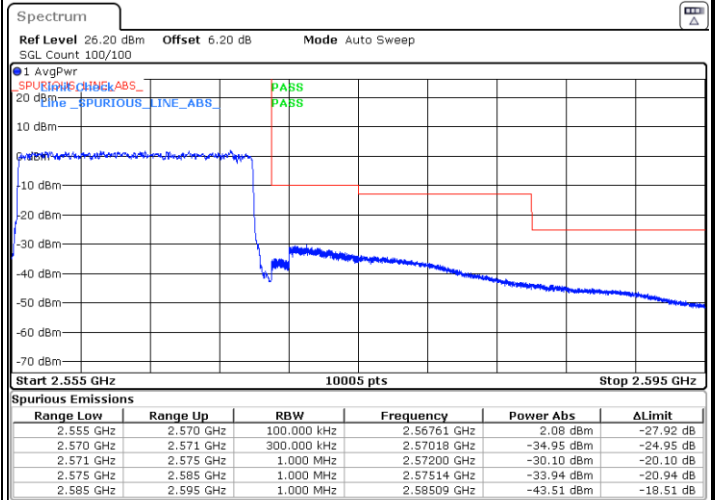
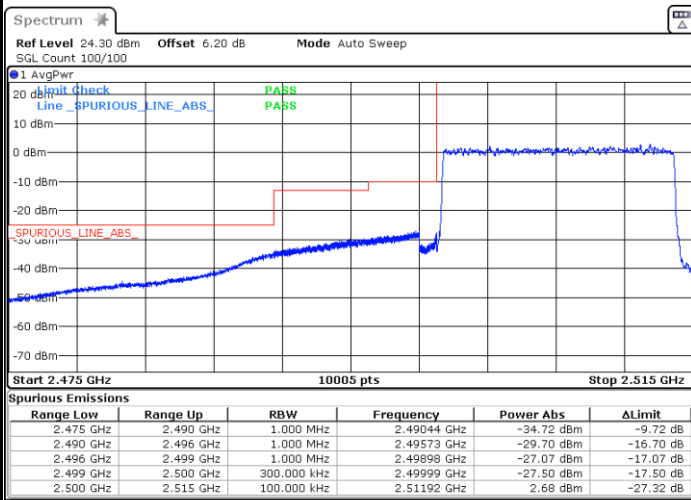


Date: 4.FEB.2021 03:40:57

Date: 4.FEB.2021 03:50:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:46:16

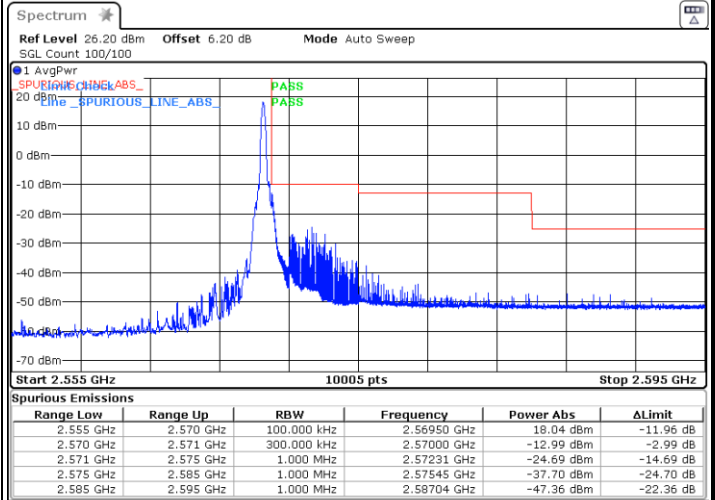
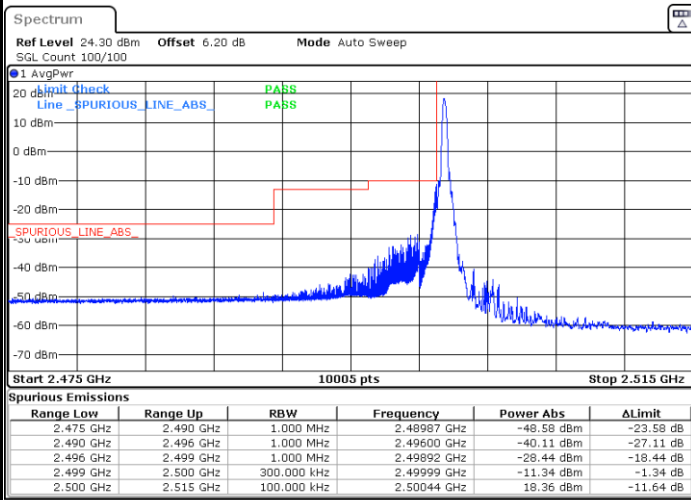
Date: 4.FEB.2021 03:55:23



FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

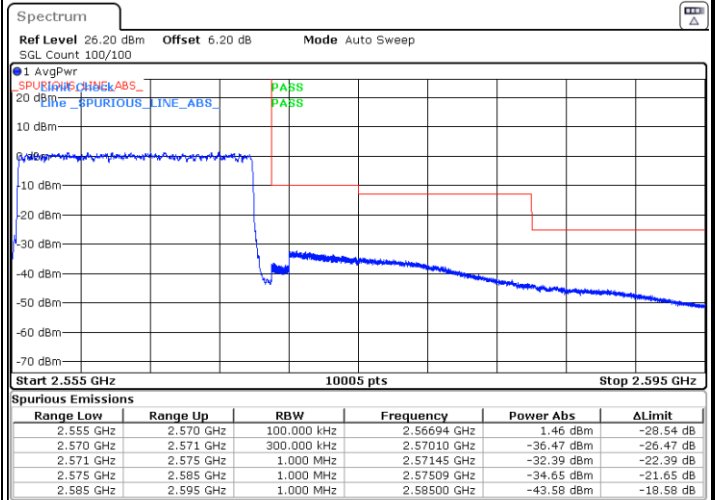
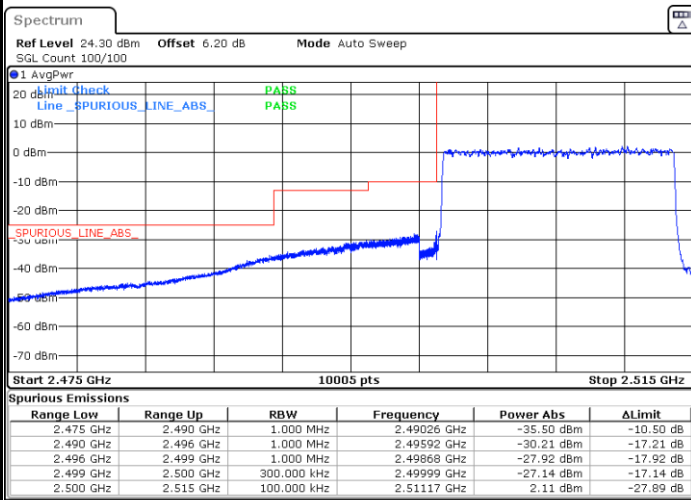


Date: 4.FEB.2021 03:41:23

Date: 4.FEB.2021 03:51:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:45:44

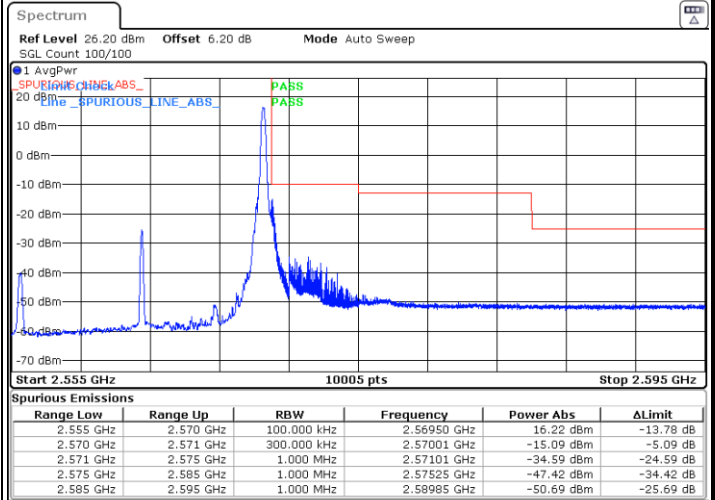
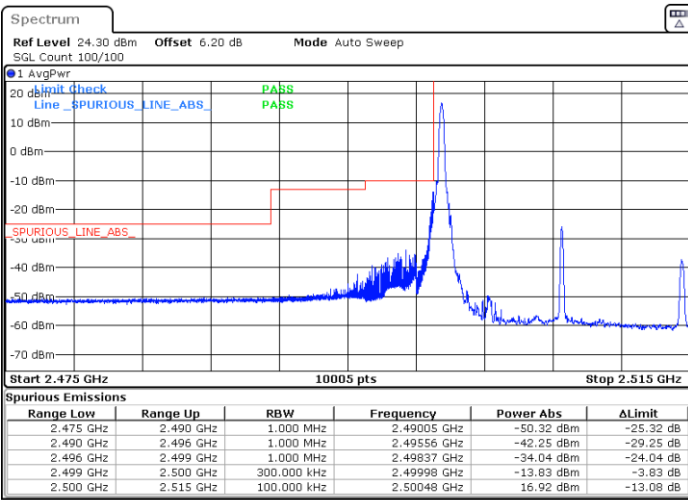
Date: 4.FEB.2021 03:54:27



FR1 n7 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

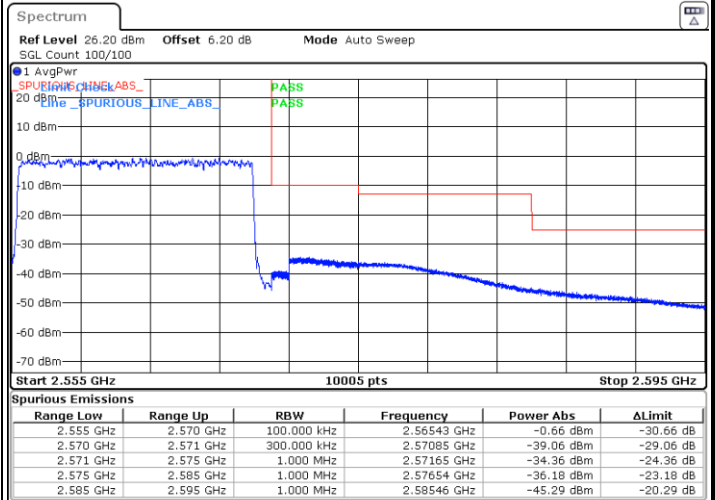
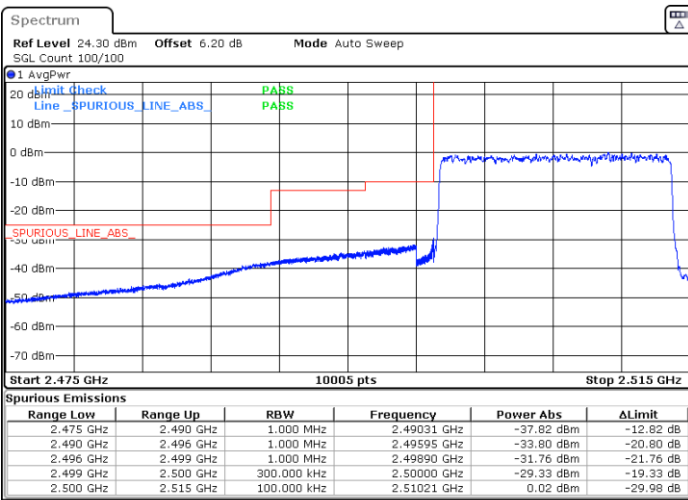


Date: 4.FEB.2021 03:41:48

Date: 4.FEB.2021 03:52:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 03:43:31

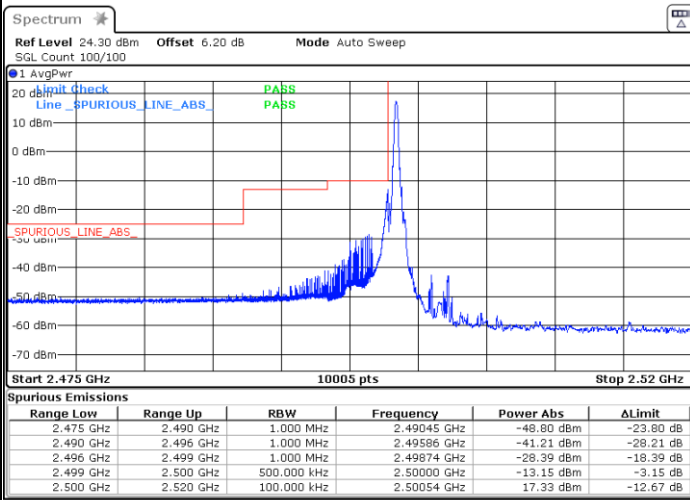
Date: 4.FEB.2021 03:54:09



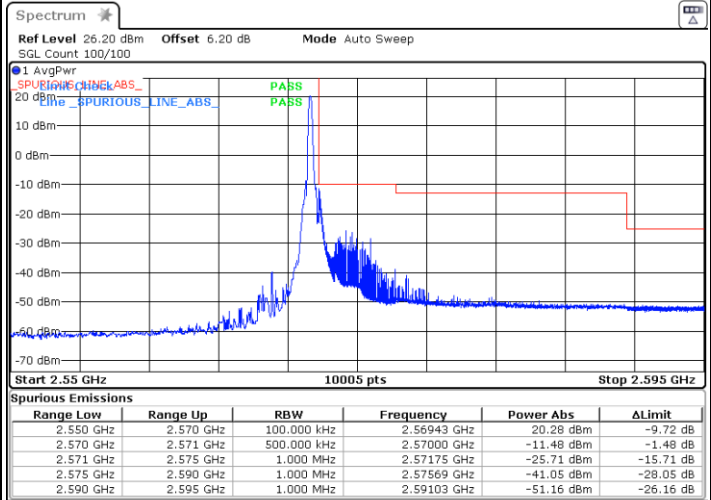
FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



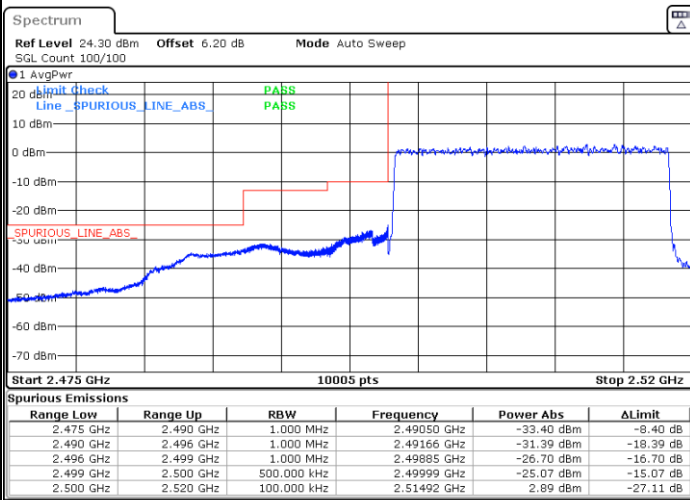
Date: 4.FEB.2021 04:11:50



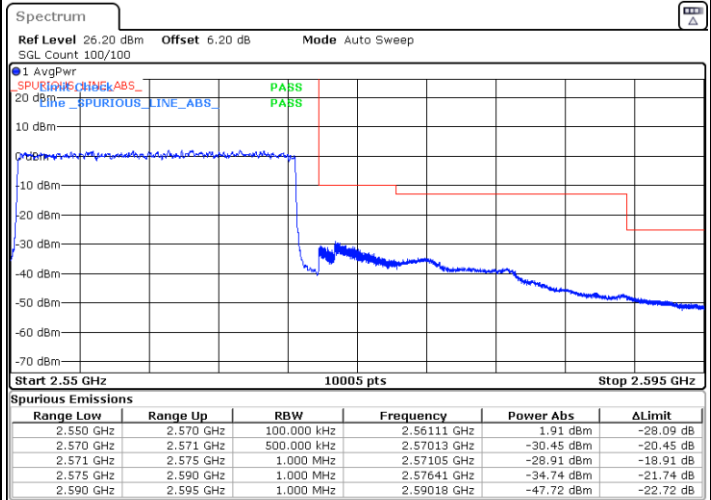
Date: 4.FEB.2021 04:36:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 04:25:47



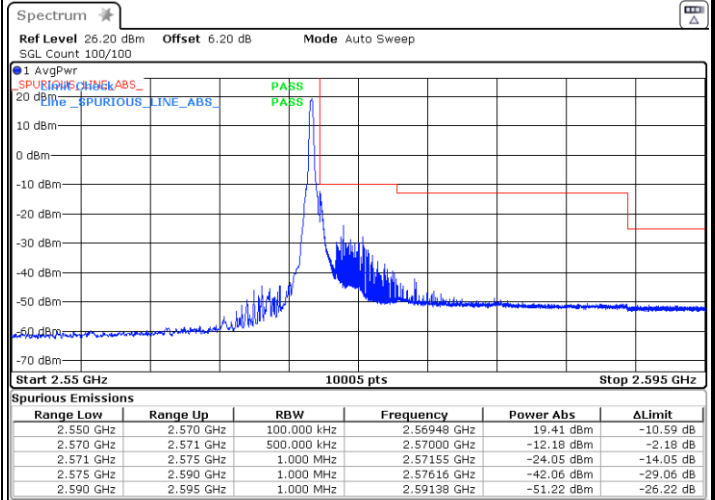
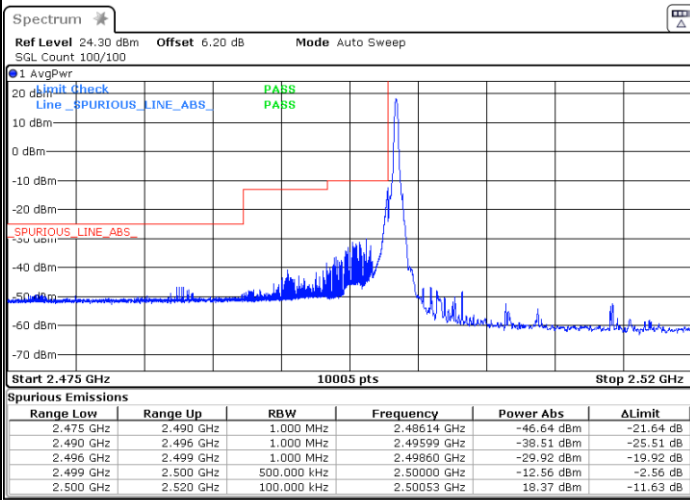
Date: 4.FEB.2021 04:26:36



FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

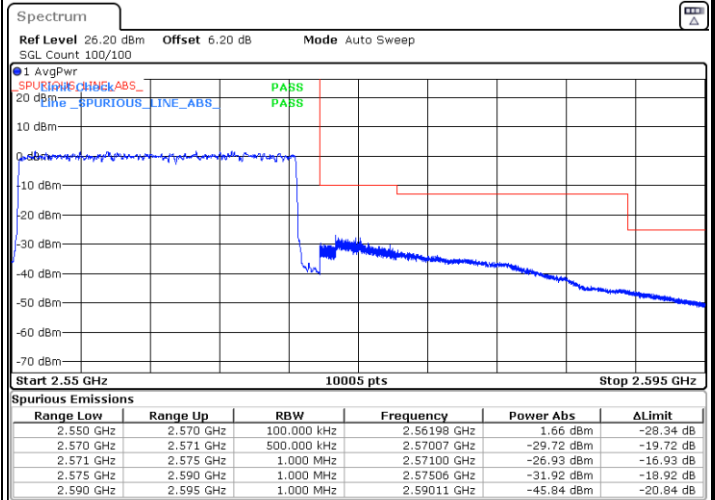
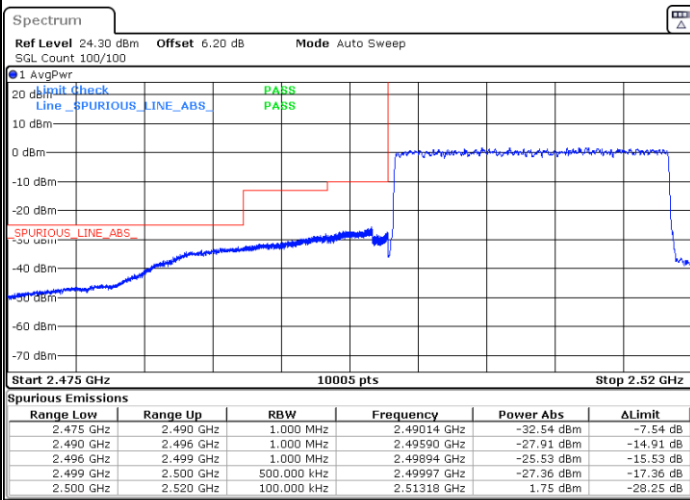


Date: 4.FEB.2021 04:16:30

Date: 4.FEB.2021 04:35:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 04:25:13

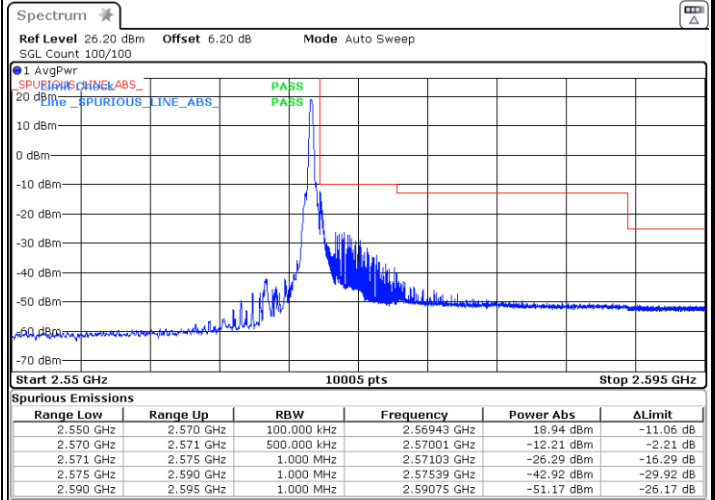
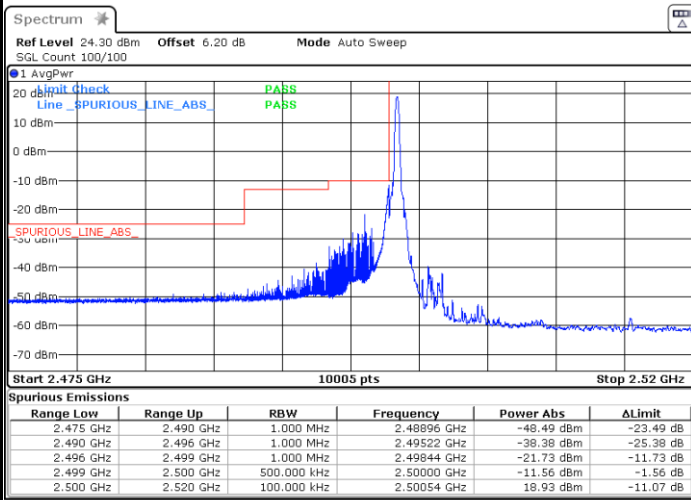
Date: 4.FEB.2021 04:26:57



FR1 n7 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

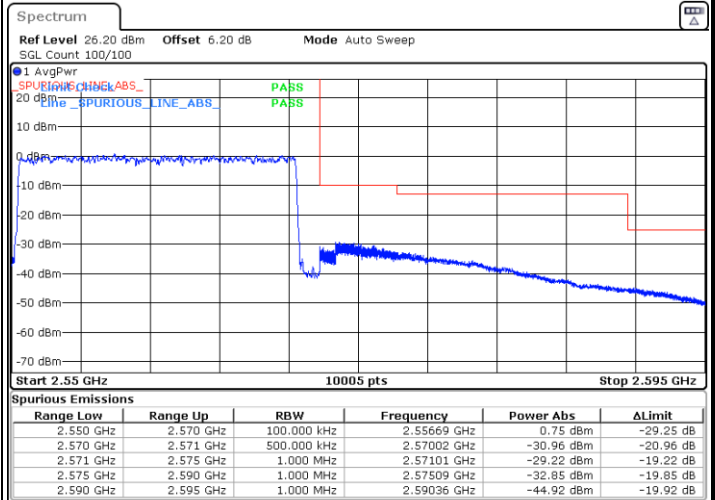
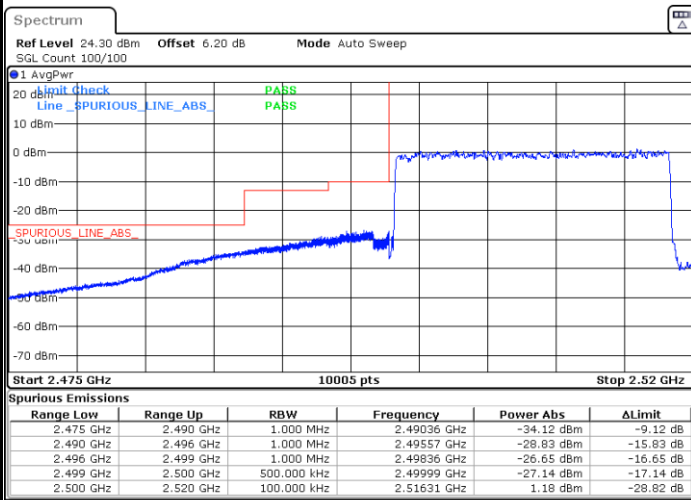


Date: 4.FEB.2021 04:20:57

Date: 4.FEB.2021 04:33:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 04:24:47

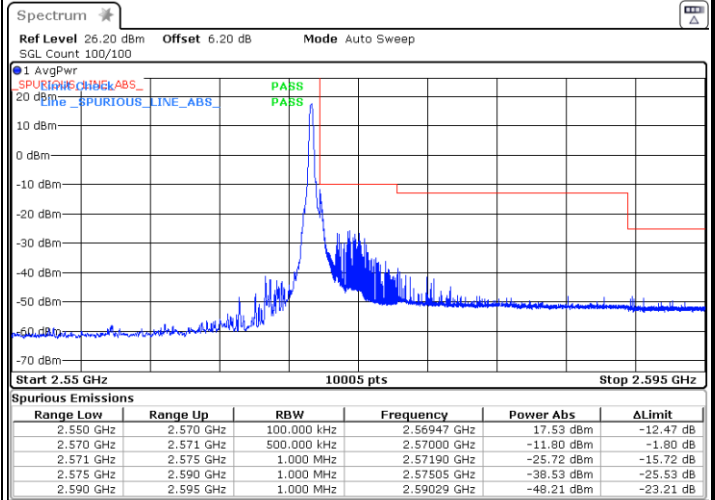
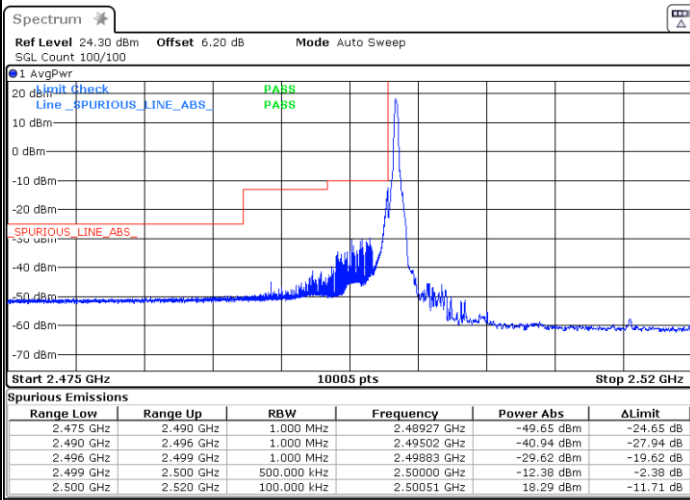
Date: 4.FEB.2021 04:27:36



FR1 n7 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

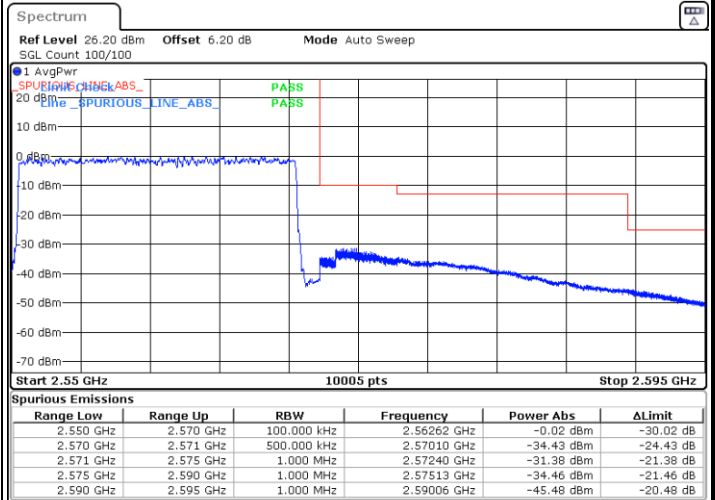
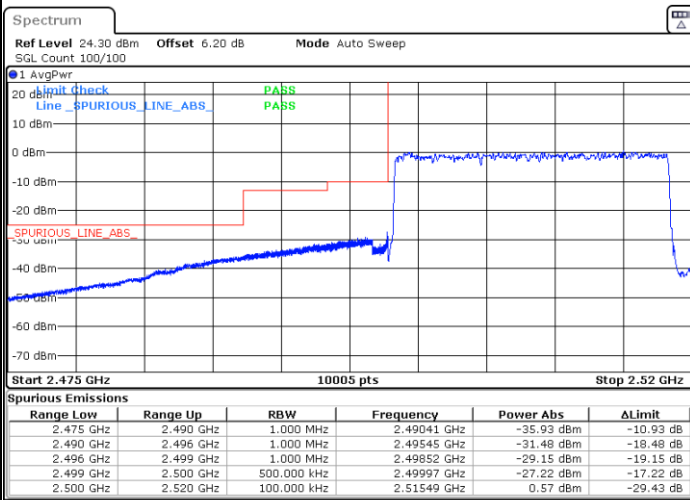


Date: 4.FEB.2021 04:22:51

Date: 4.FEB.2021 04:32:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 04:24:22

Date: 4.FEB.2021 04:27:59