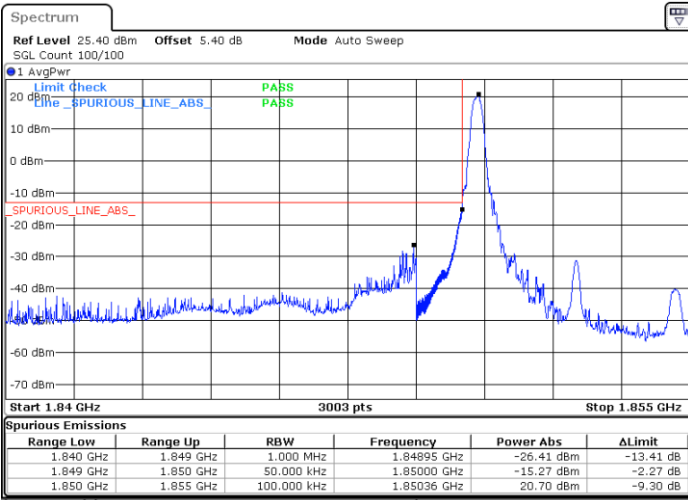




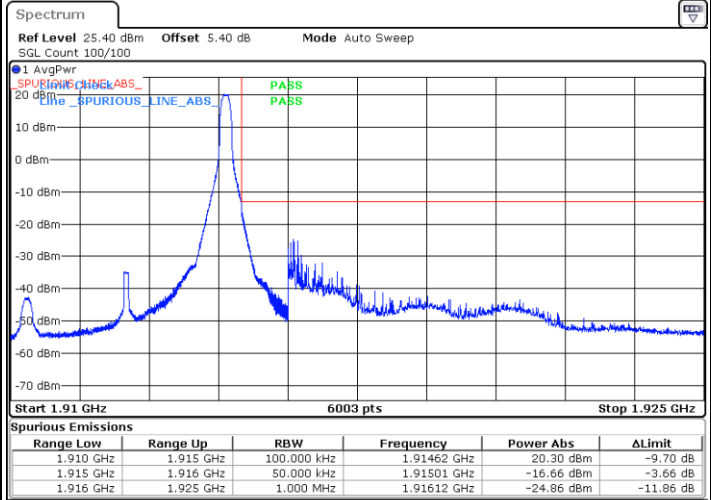
FR1 n25 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



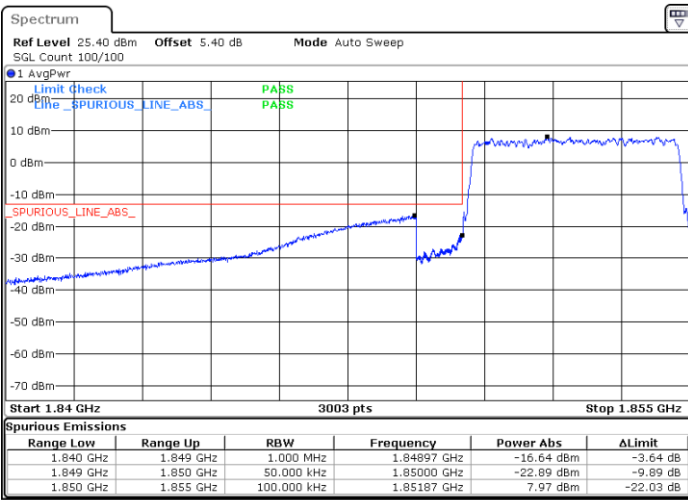
Date: 11.JUN.2020 01:19:02



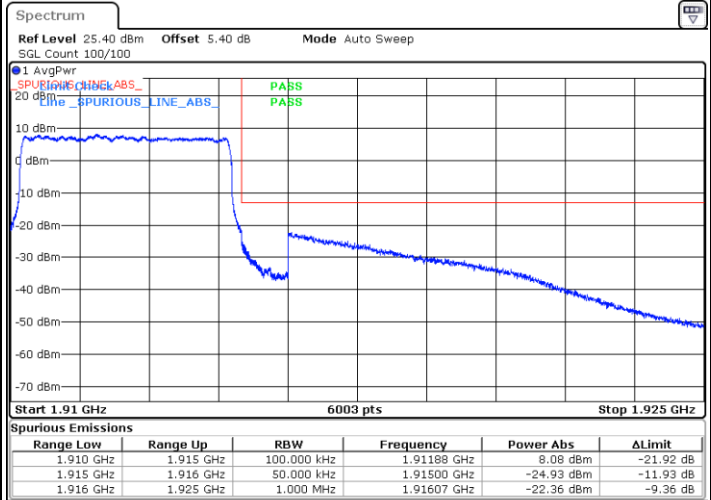
Date: 11.JUN.2020 04:00:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 01:21:10



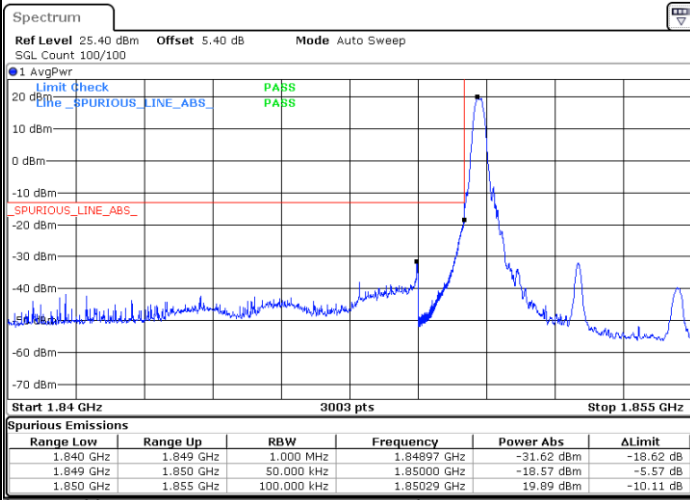
Date: 11.JUN.2020 03:53:20



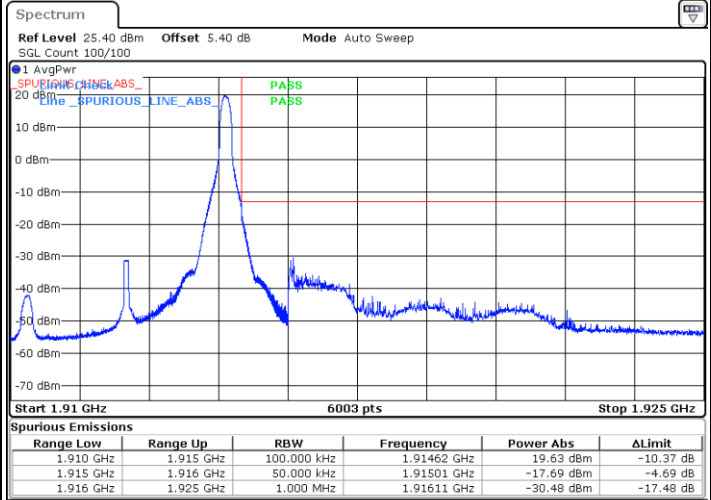
FR1 n25 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



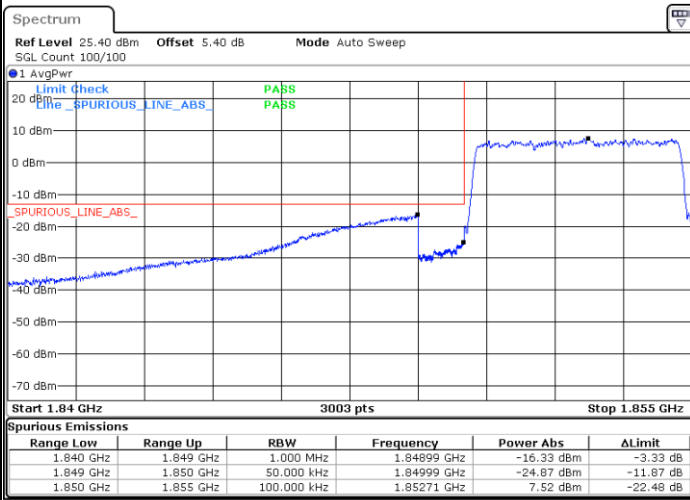
Date: 11.JUN.2020 01:29:08



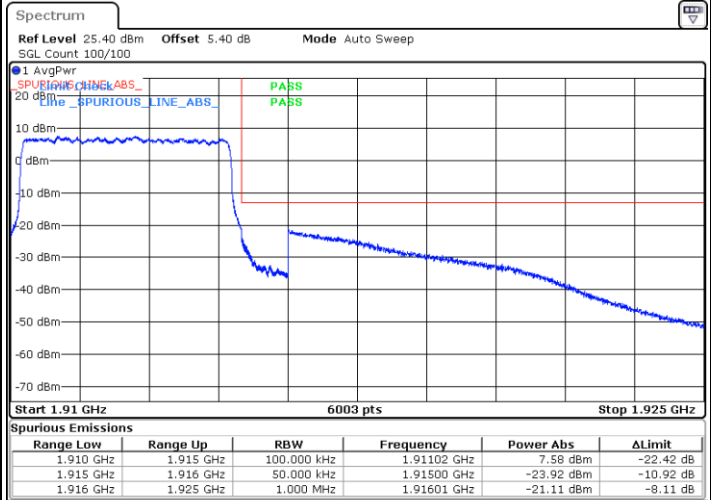
Date: 11.JUN.2020 04:02:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 01:24:12



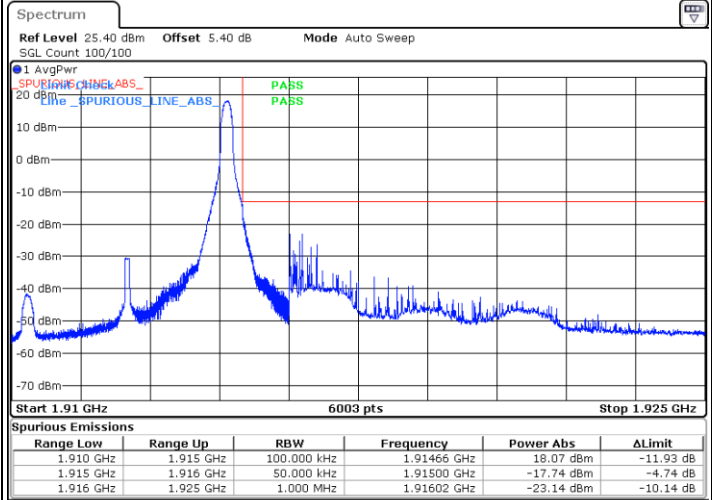
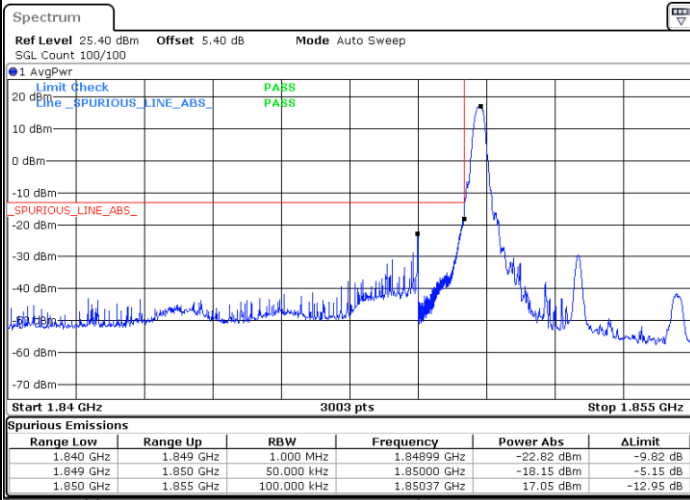
Date: 11.JUN.2020 04:08:11



FR1 n25 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

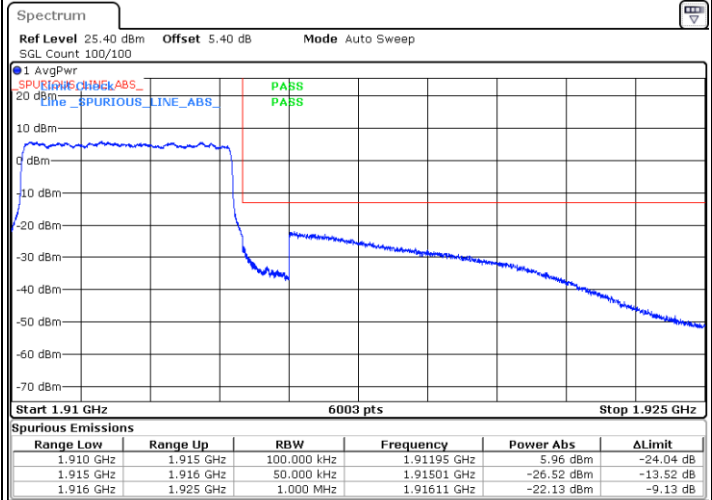
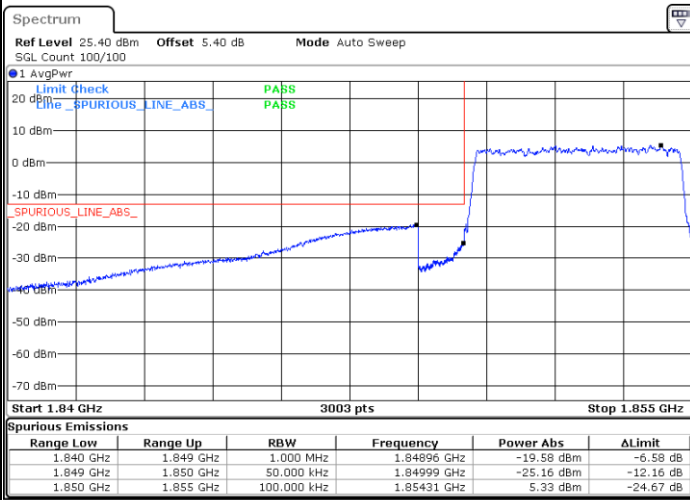


Date: 11.JUN.2020 02:28:40

Date: 11.JUN.2020 04:25:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 02:30:24

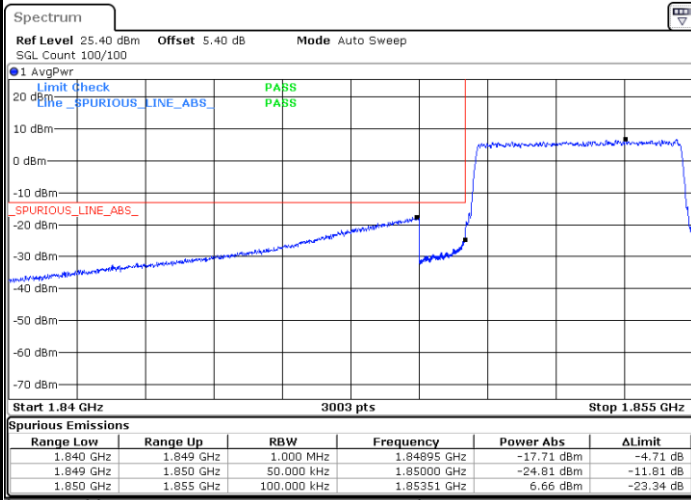
Date: 11.JUN.2020 04:27:11



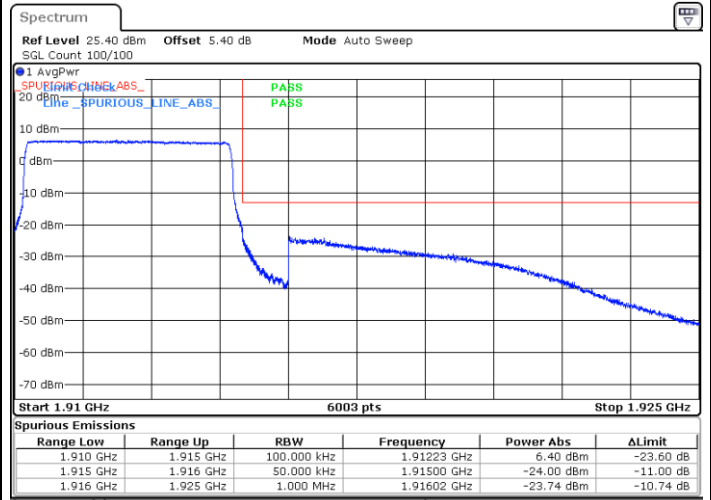
FR1 n25 / 5MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 03:03:12



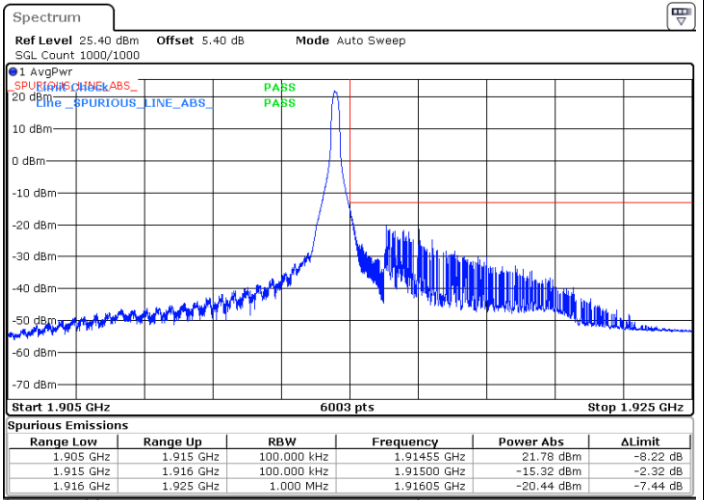
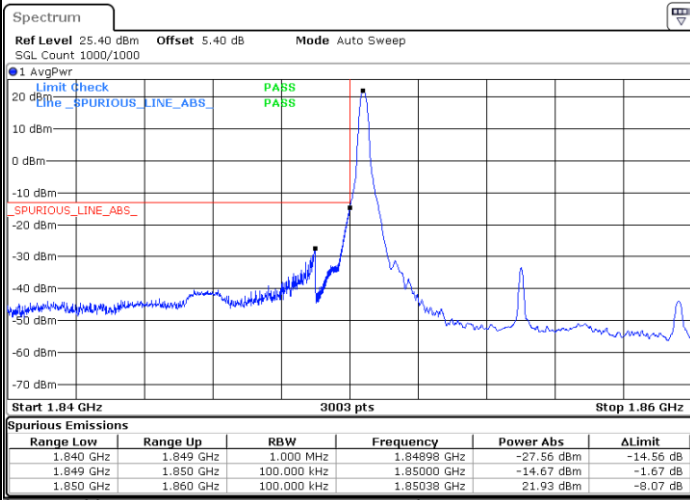
Date: 11.JUN.2020 03:11:32



FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

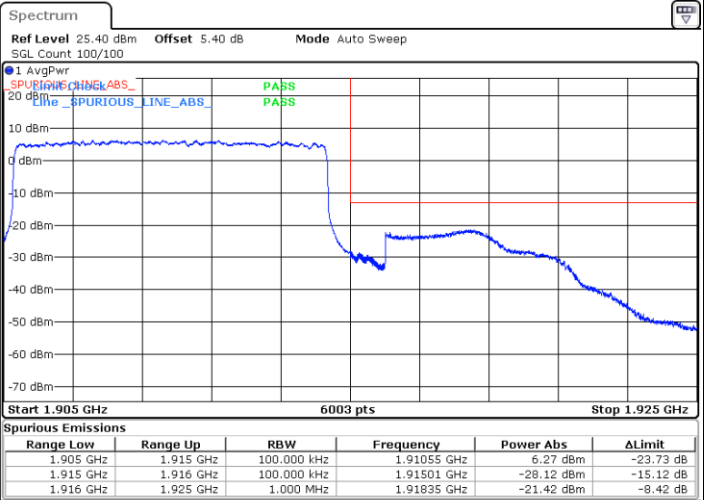
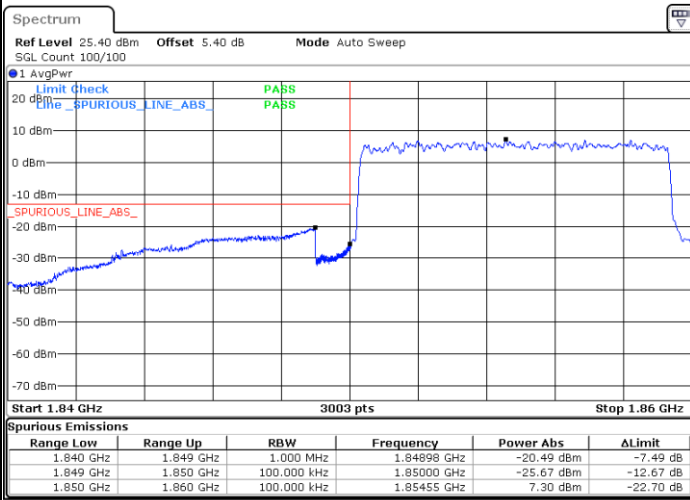


Date: 10.JUN.2020 02:55:03

Date: 10.JUN.2020 04:54:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2020 03:00:59

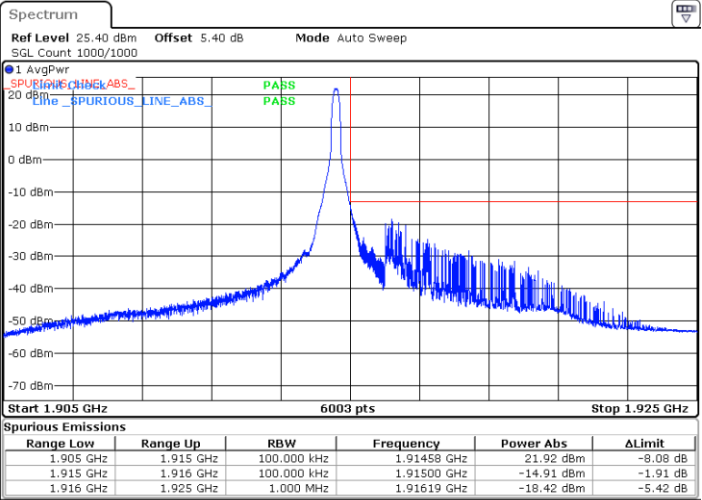
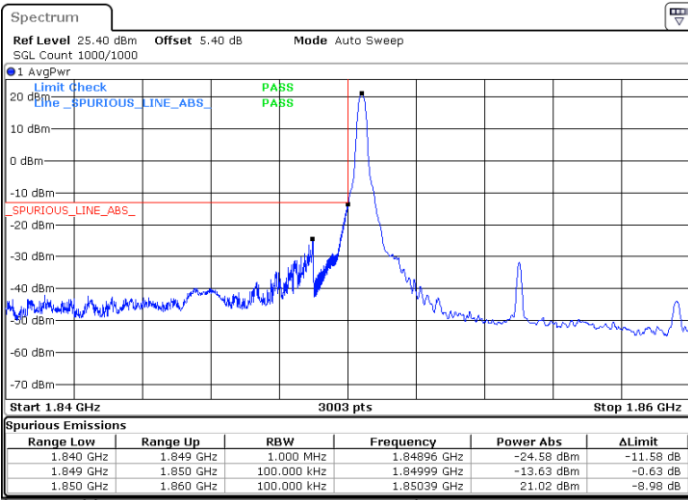
Date: 10.JUN.2020 04:55:26



FR1 n25 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

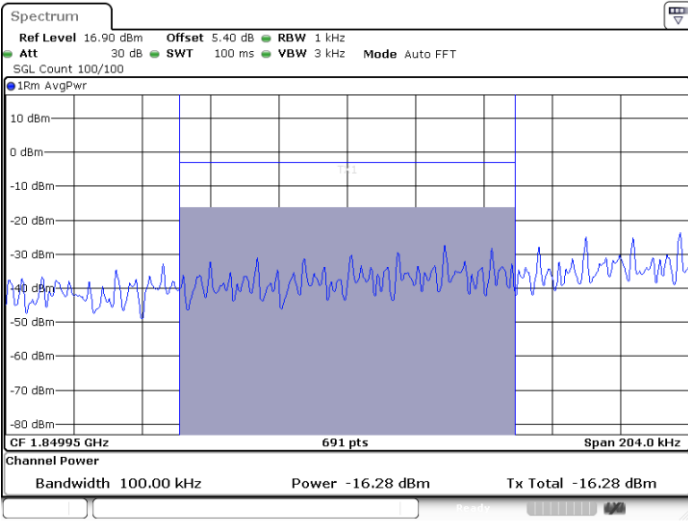
Highest Band Edge / 1RBMAX



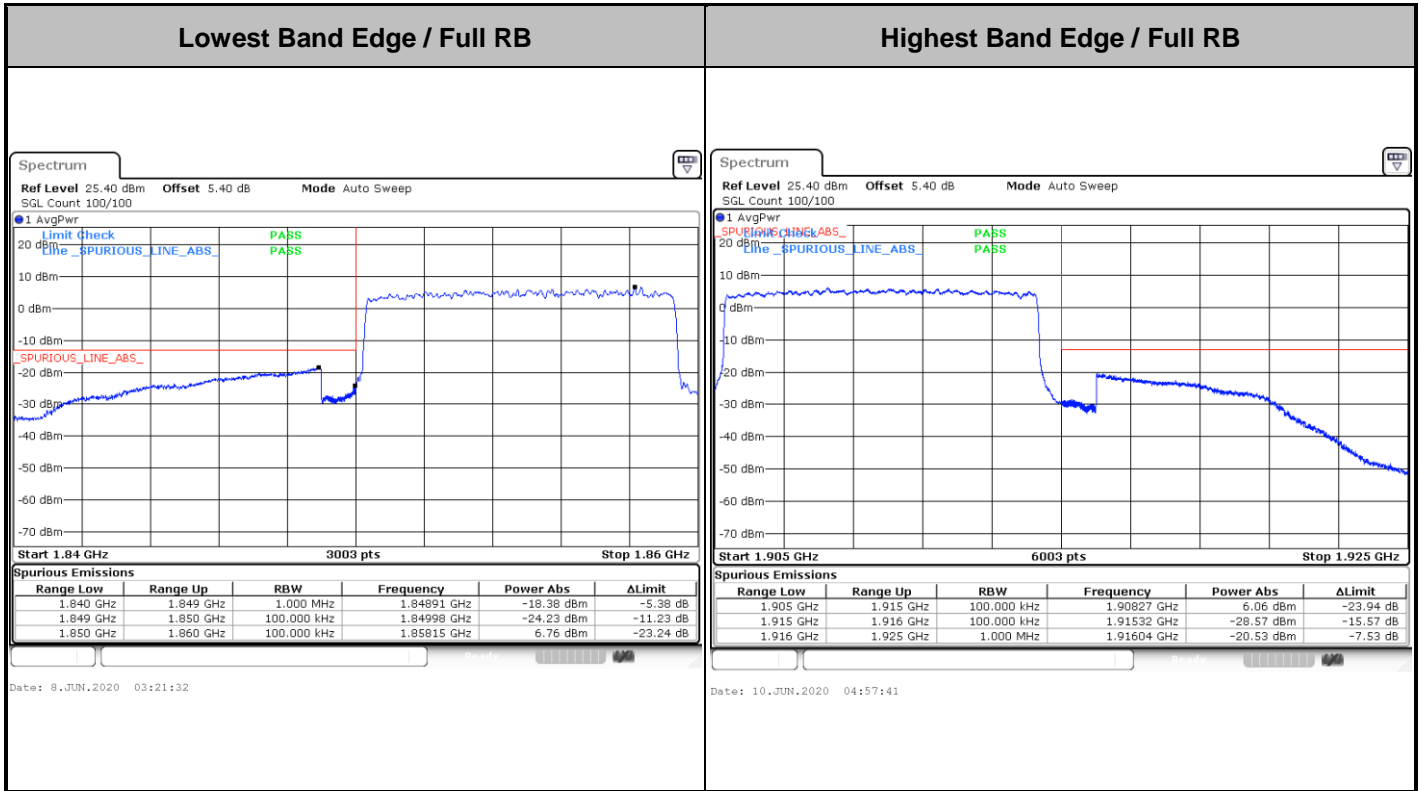
Date: 8.JUN.2020 03:11:13

Date: 10.JUN.2020 06:03:39

Channel Power -16.28dBm < -13dBm (Pass)



Date: 8.JUN.2020 03:12:42

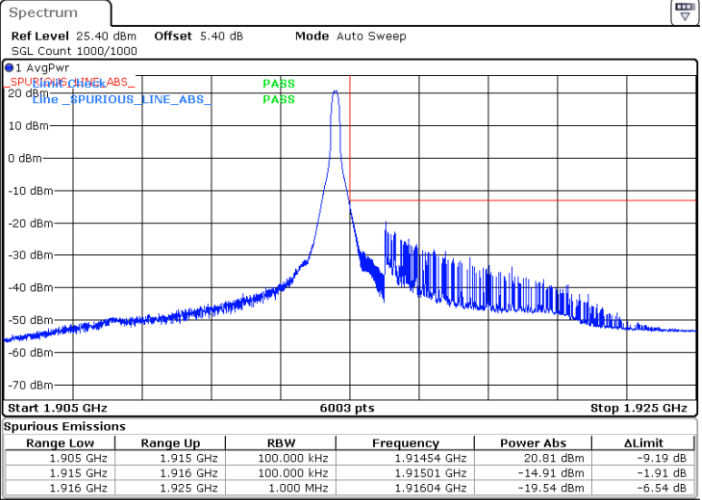
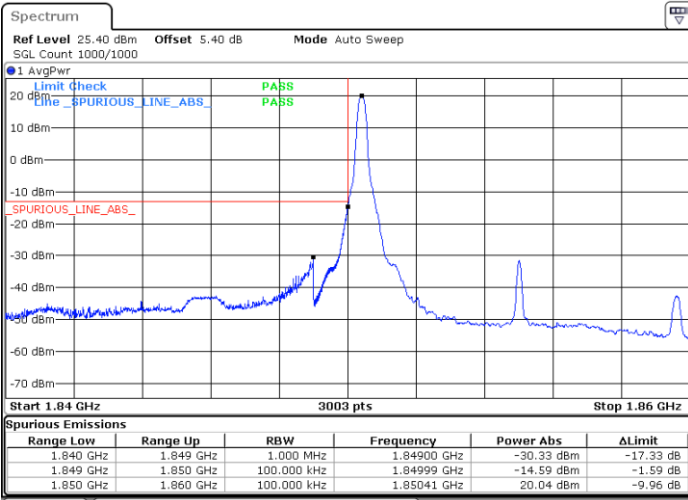




FR1 n25 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

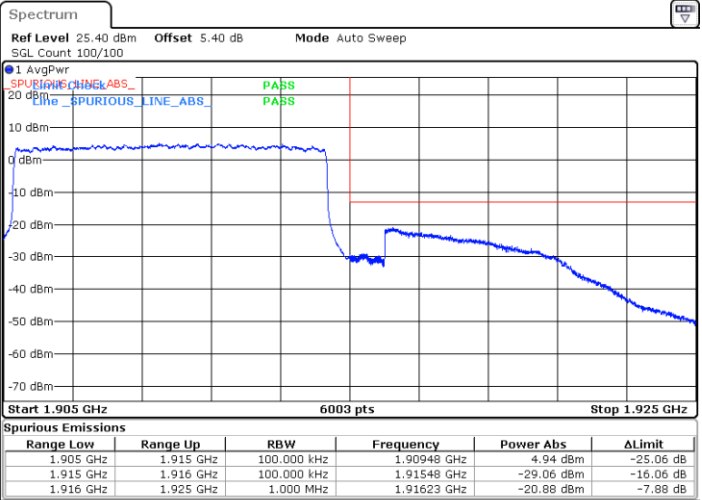
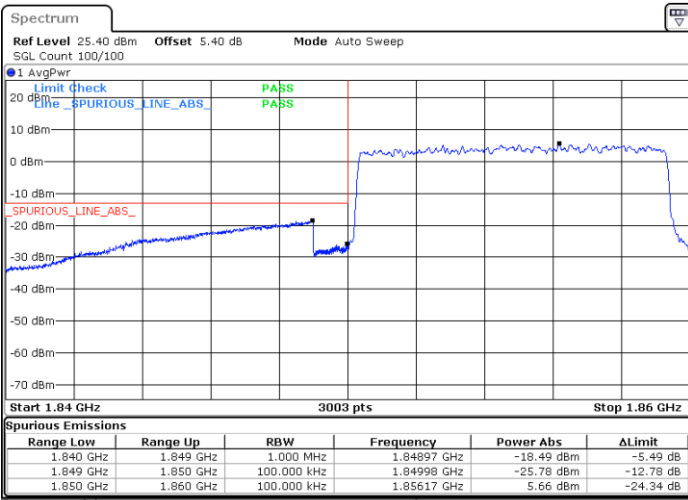


Date: 10 JUN 2020 03:04:17

Date: 10 JUN 2020 06:09:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 03:08:10

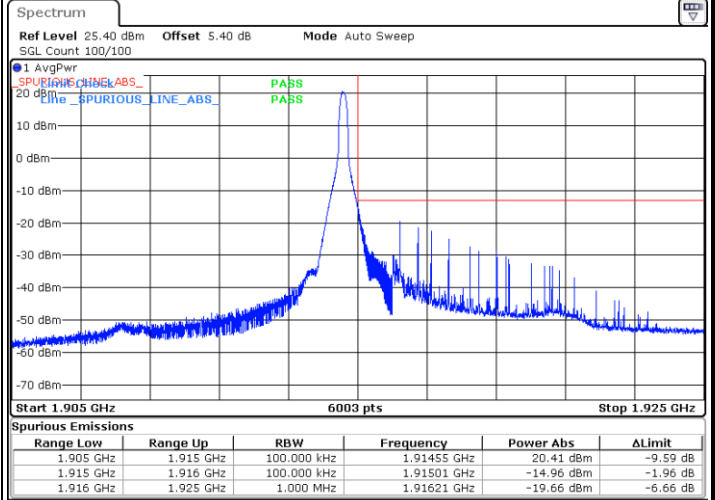
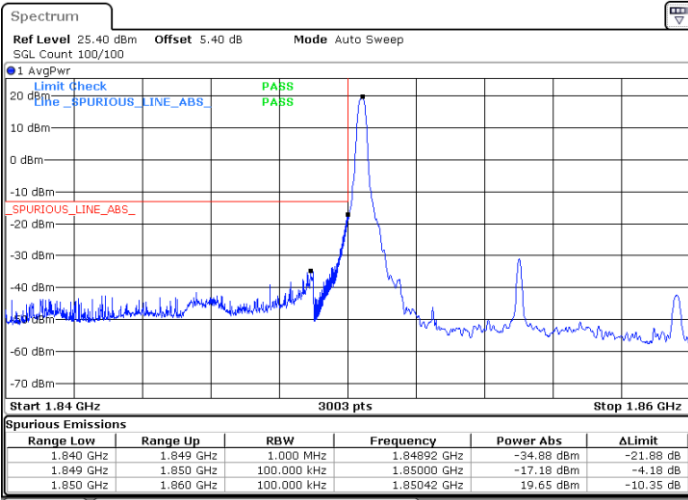
Date: 10 JUN 2020 06:14:04



FR1 n25 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

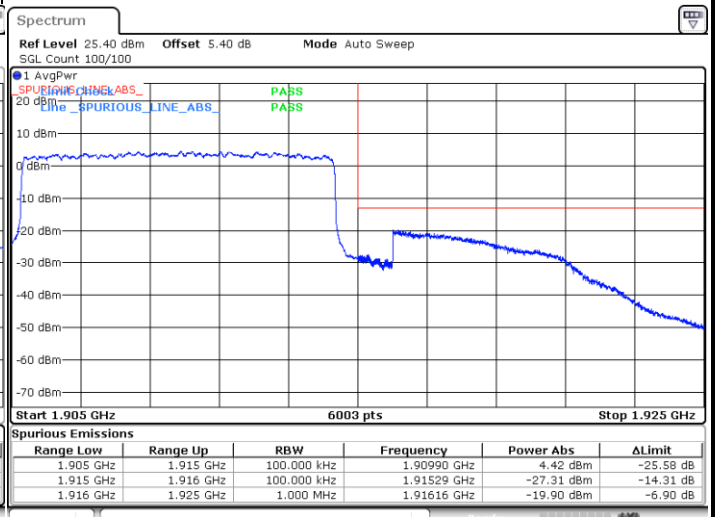
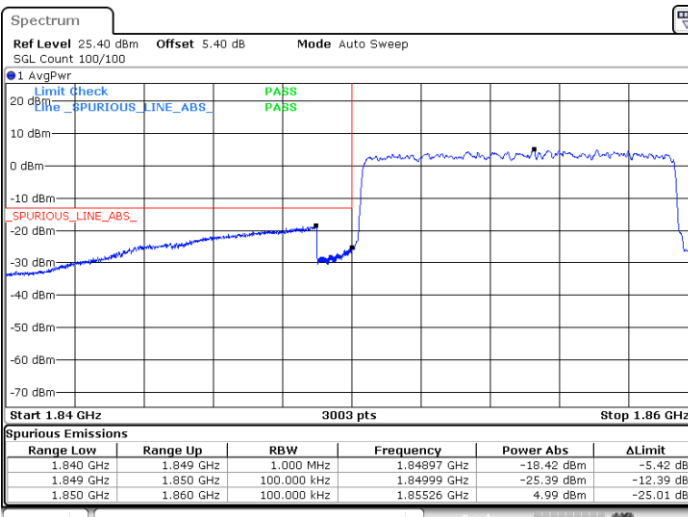


Date: 10.JUN.2020 03:11:35

Date: 10.JUN.2020 06:19:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2020 03:10:52

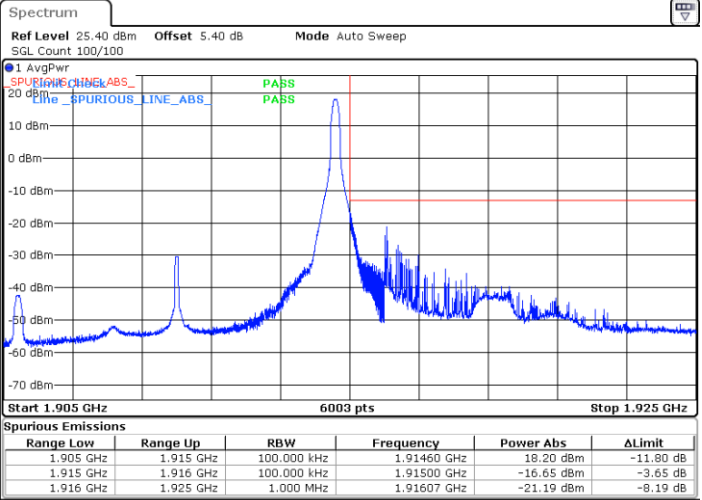
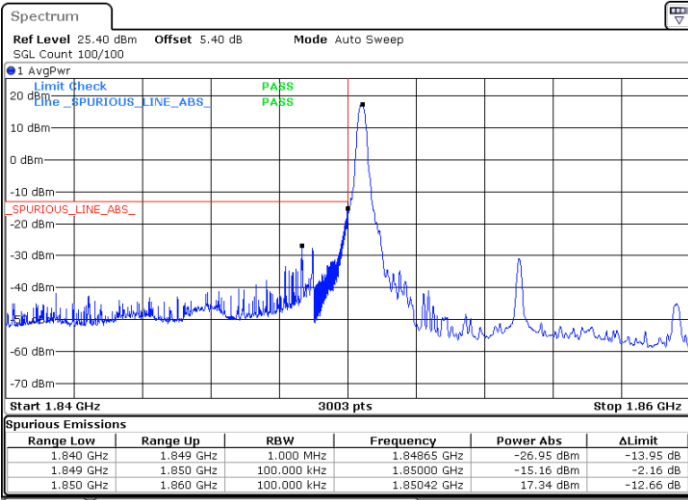
Date: 10.JUN.2020 06:15:23



FR1 n25 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

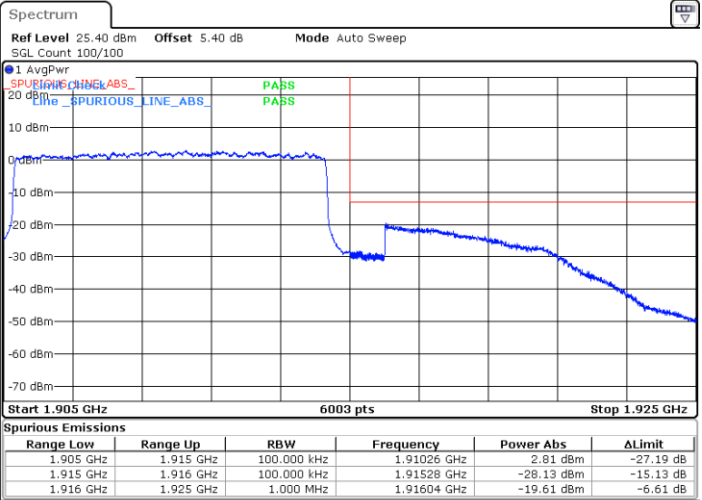
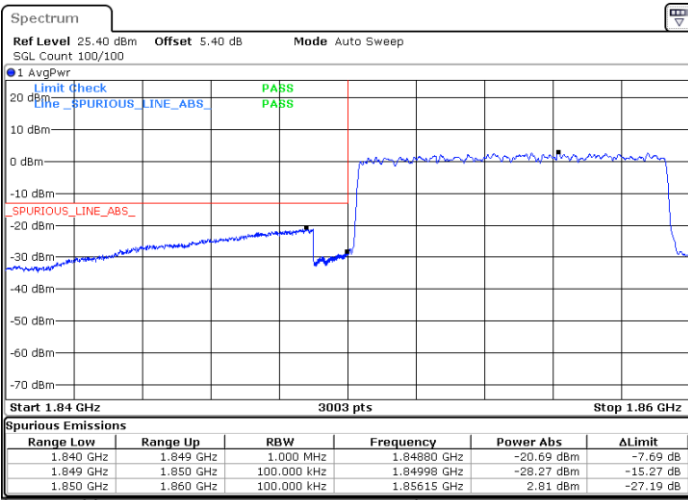


Date: 10 JUN 2020 03:43:02

Date: 10 JUN 2020 06:21:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 03:44:04

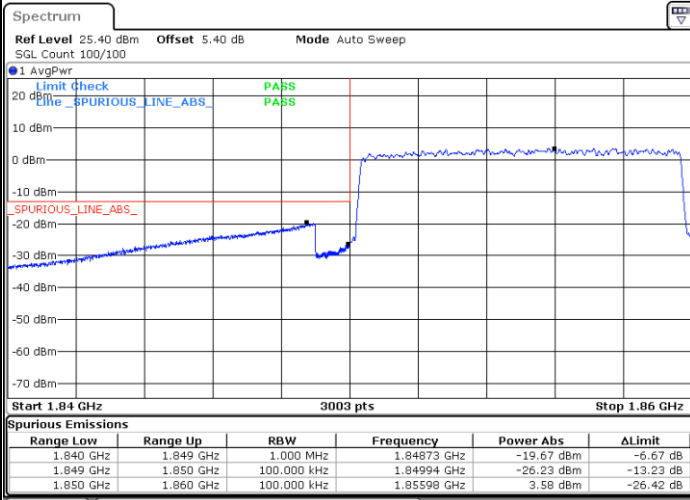
Date: 10 JUN 2020 06:26:59



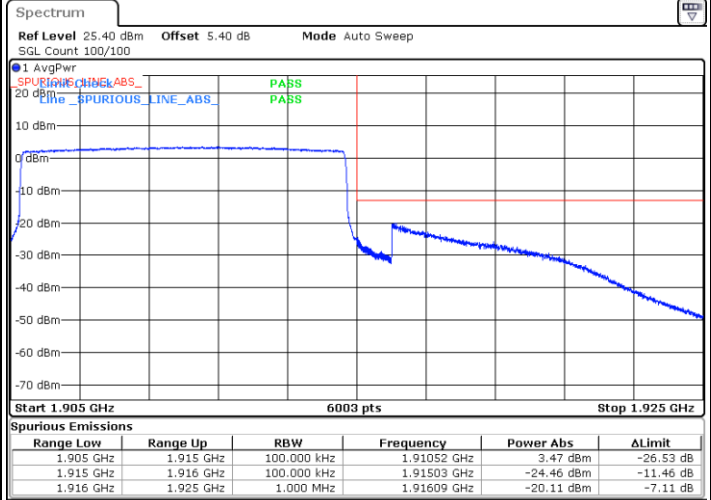
FR1 n25 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2020 04:12:11



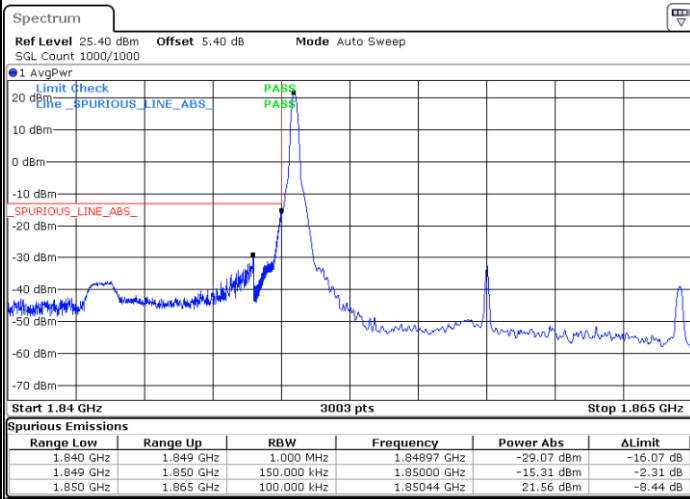
Date: 10.JUN.2020 04:16:13



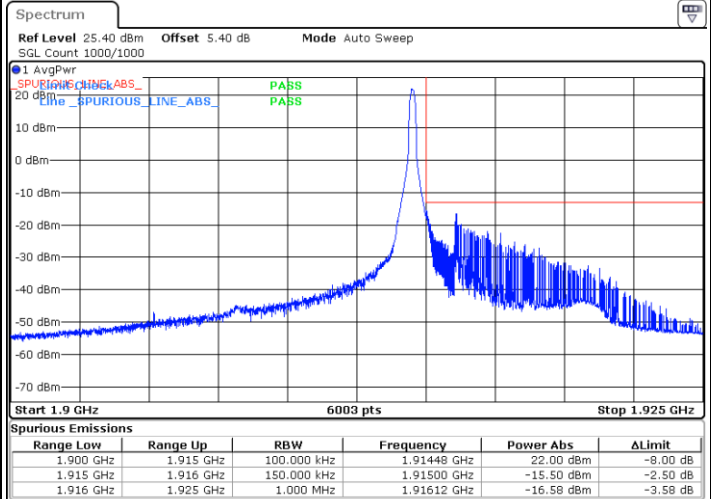
FR1 n25 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



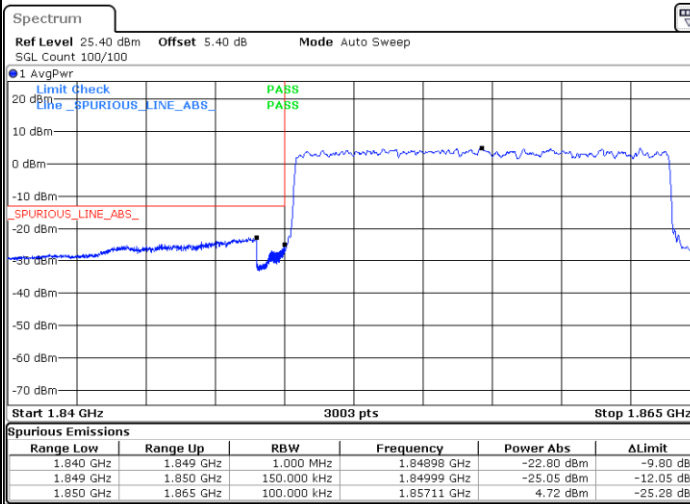
Date: 11.JUN.2020 06:14:59



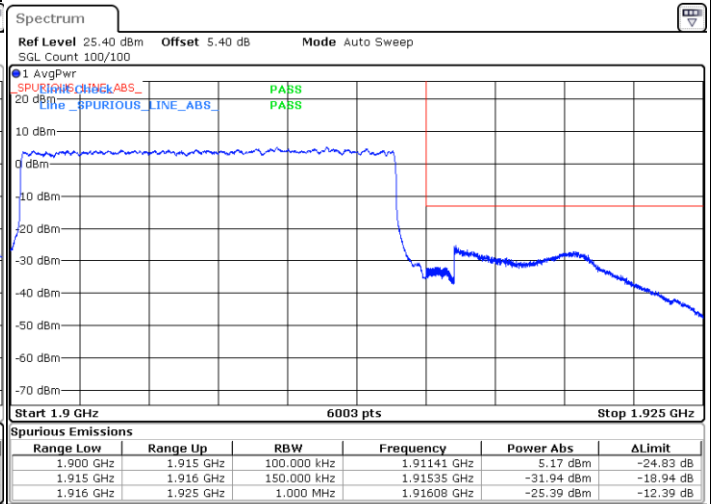
Date: 11.JUN.2020 07:32:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 06:15:56



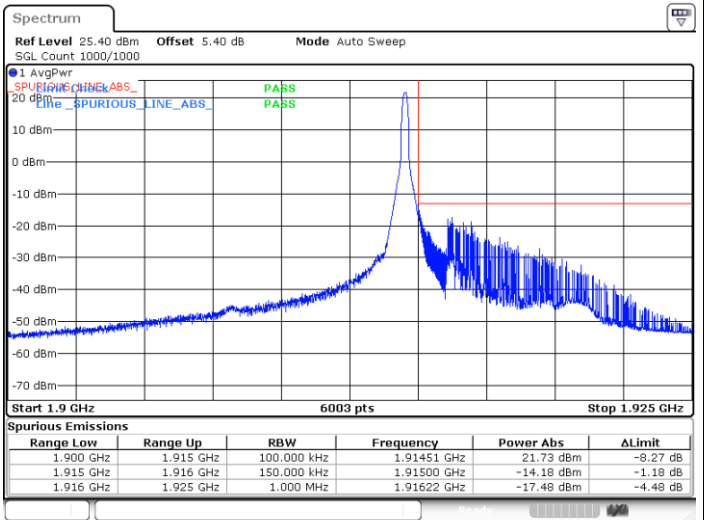
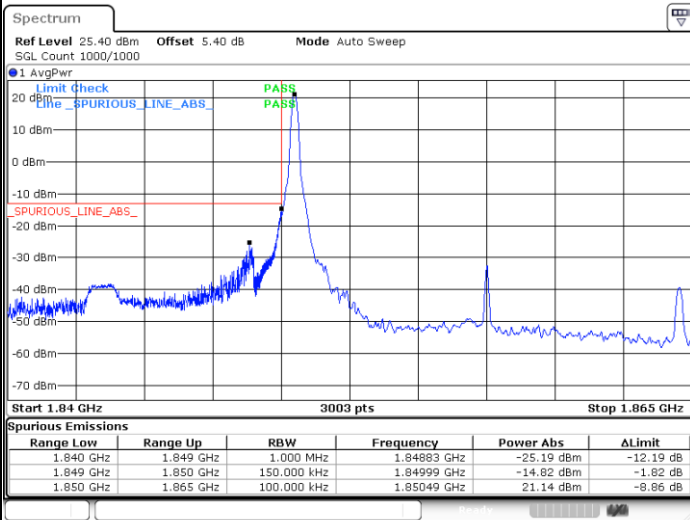
Date: 11.JUN.2020 07:33:22



FR1 n25 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

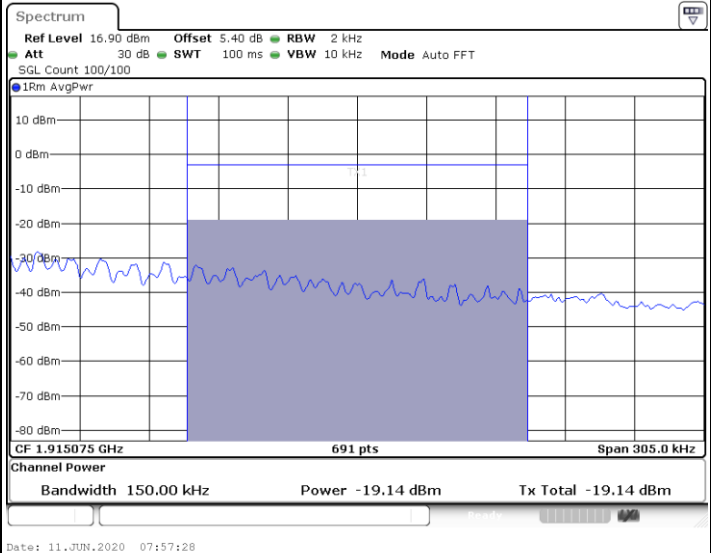
Highest Band Edge / 1RBMAX



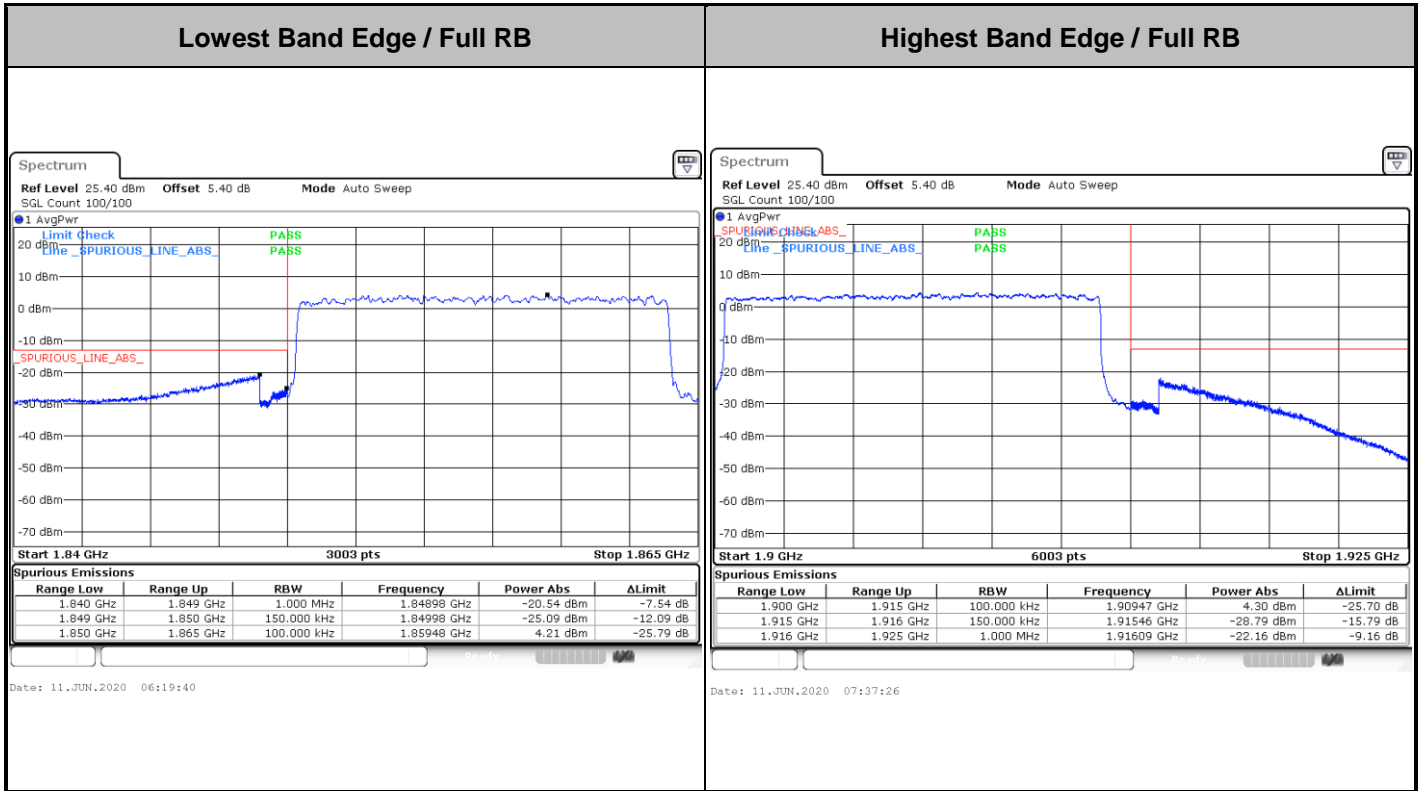
Date: 11.JUN.2020 06:22:20

Date: 11.JUN.2020 07:54:25

Channel Power -19.14dBm < -13dBm (Pass)



Date: 11.JUN.2020 07:57:28

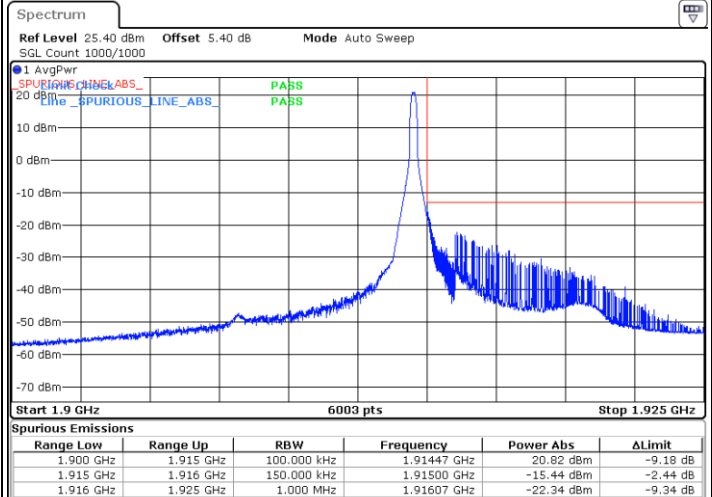
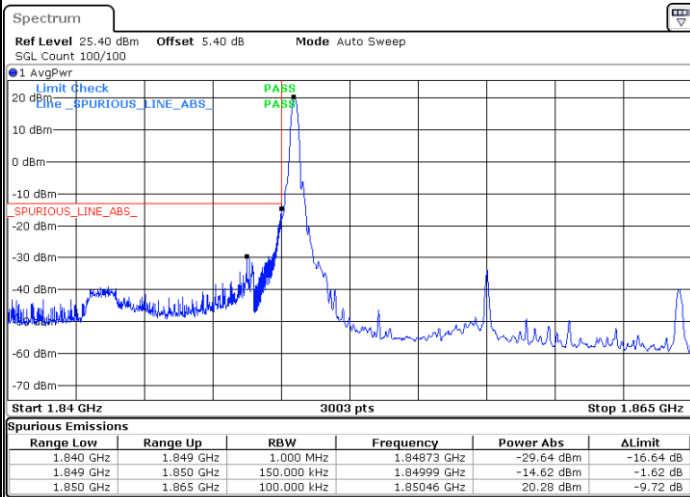




FR1 n25 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

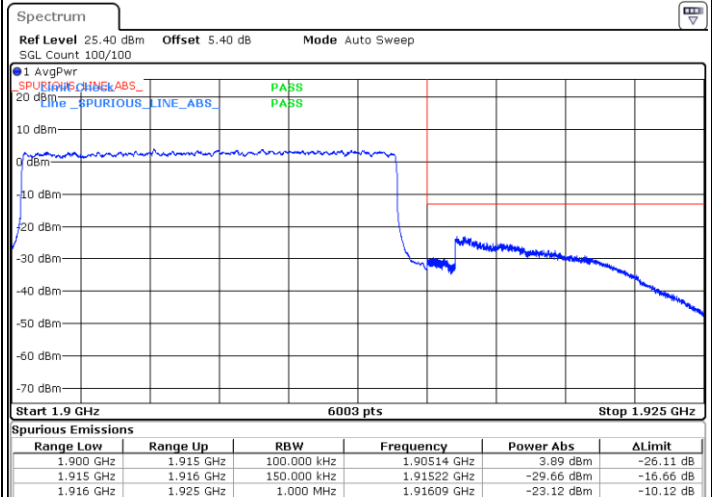
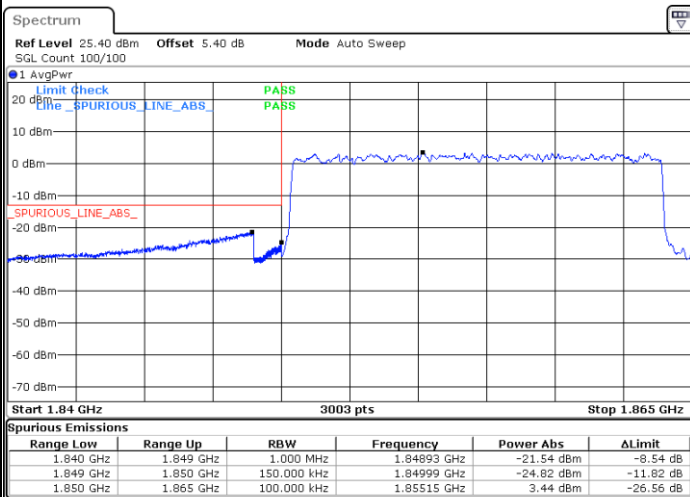


Date: 11.JUN.2020 06:25:51

Date: 11.JUN.2020 09:26:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 06:28:43

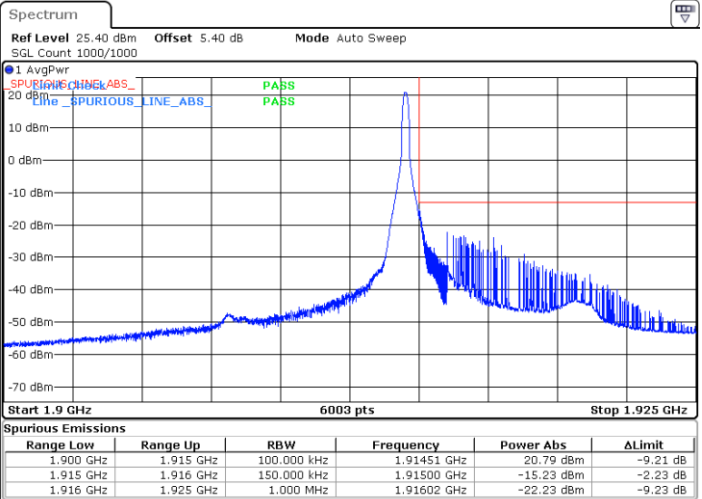
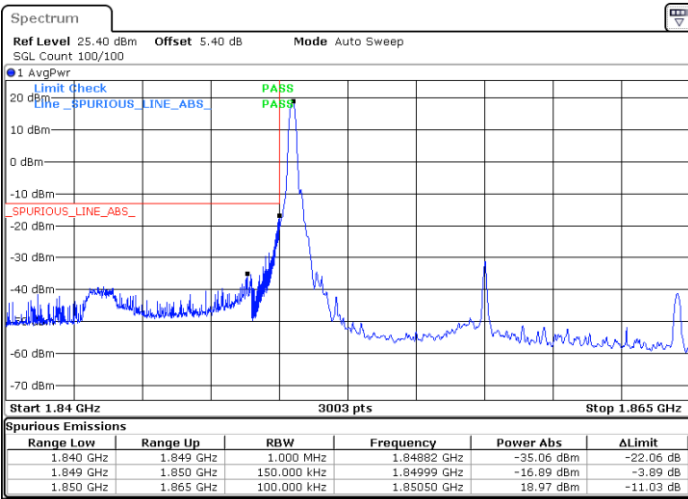
Date: 11.JUN.2020 09:49:03



FR1 n25 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

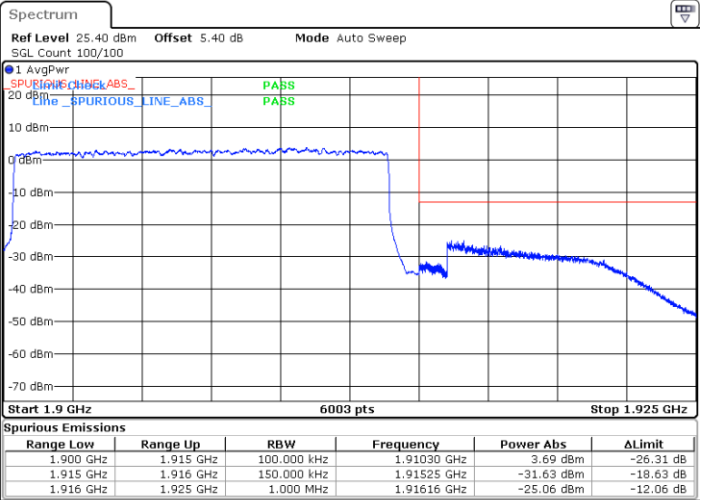
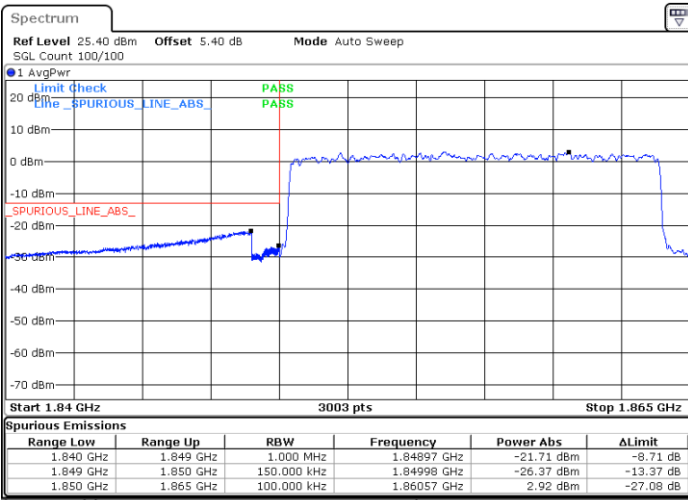


Date: 11.JUN.2020 06:33:59

Date: 11.JUN.2020 10:12:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 06:34:49

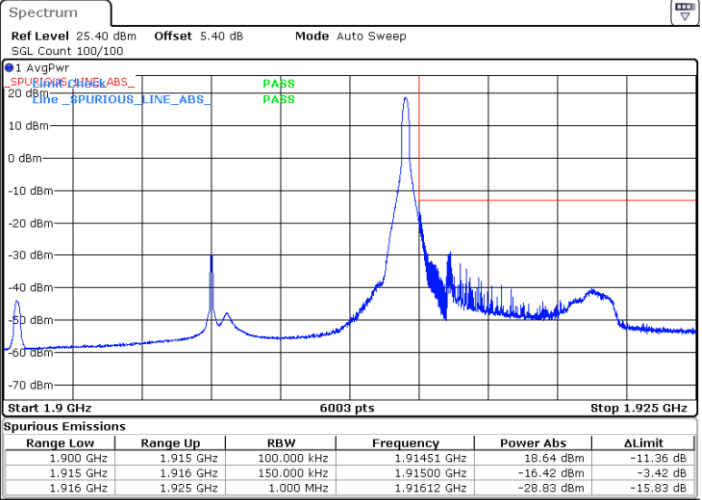
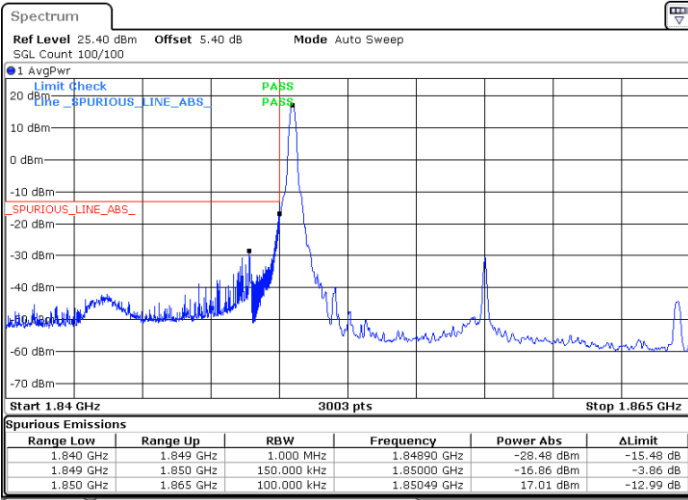
Date: 11.JUN.2020 10:27:32



FR1 n25 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

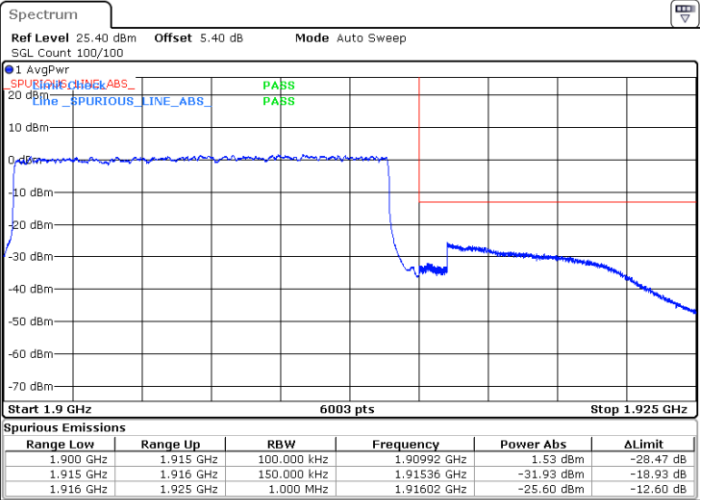
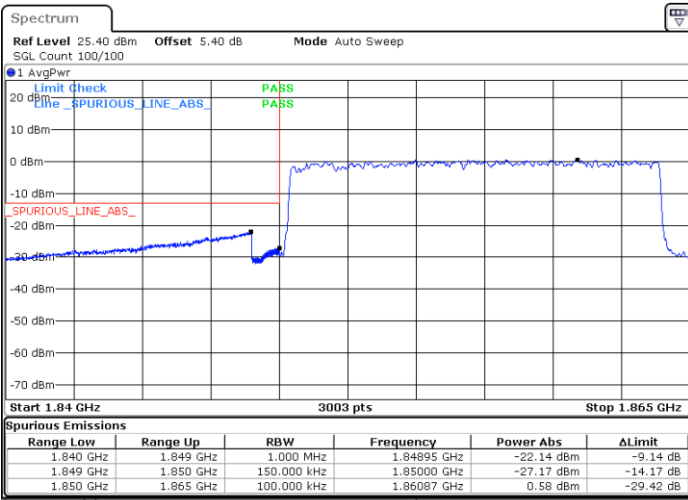


Date: 11.JUN.2020 06:37:27

Date: 11.JUN.2020 10:15:58

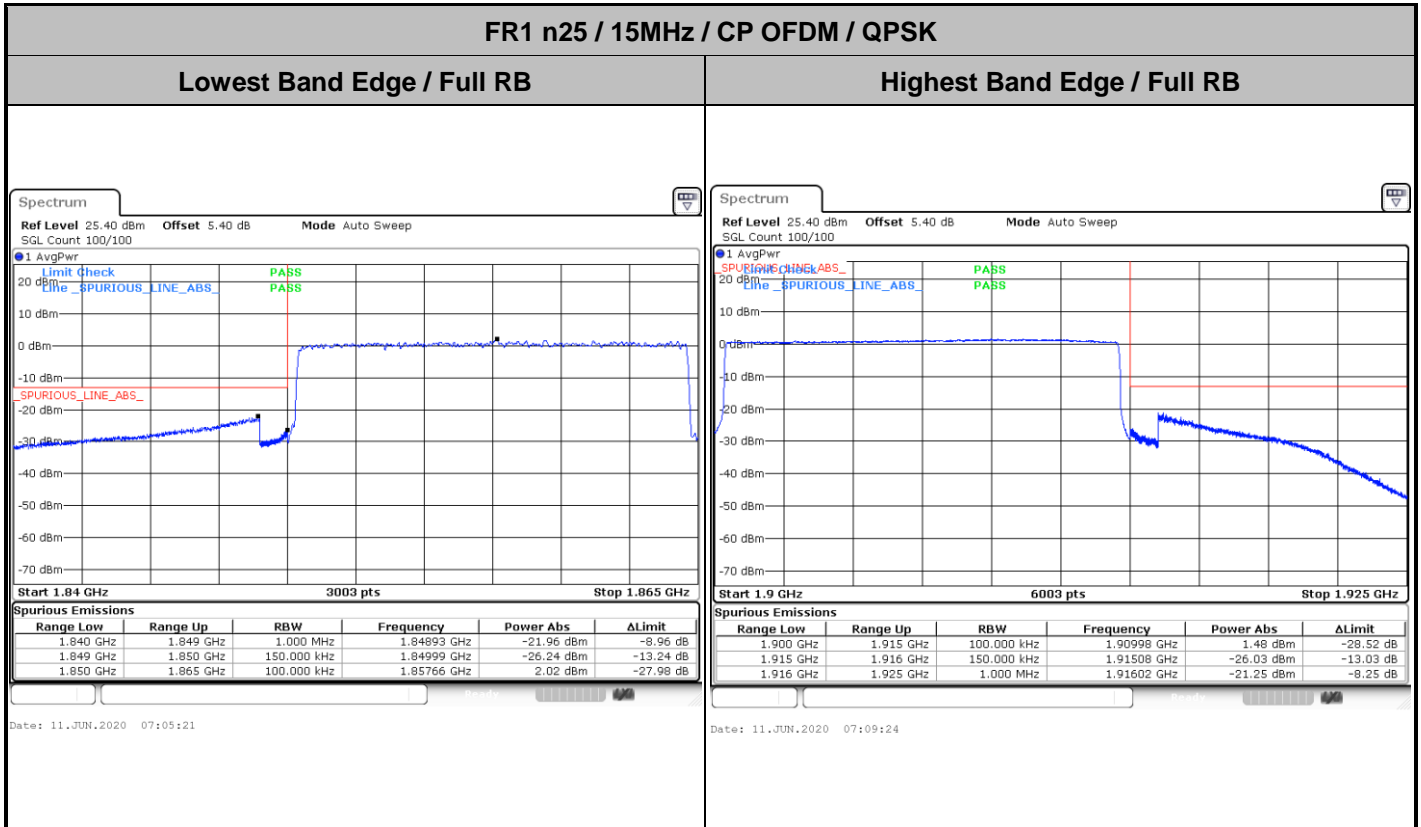
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.JUN.2020 06:36:26

Date: 11.JUN.2020 10:19:07

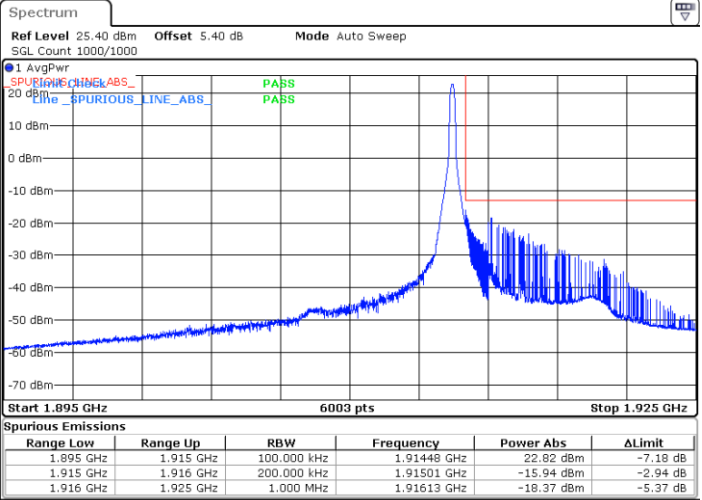
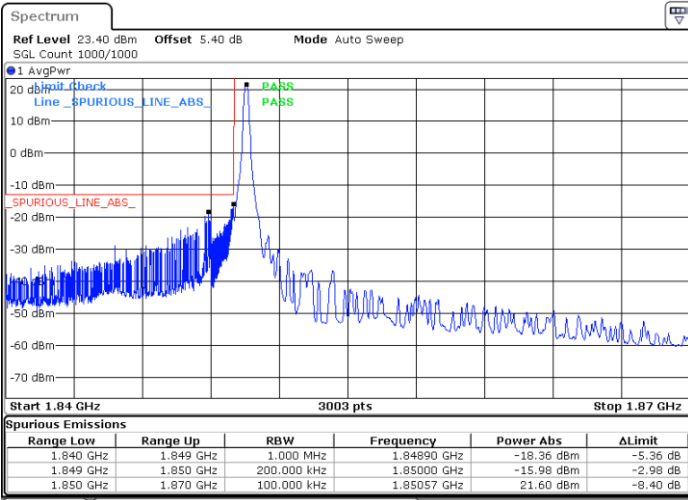




FR1 n25 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

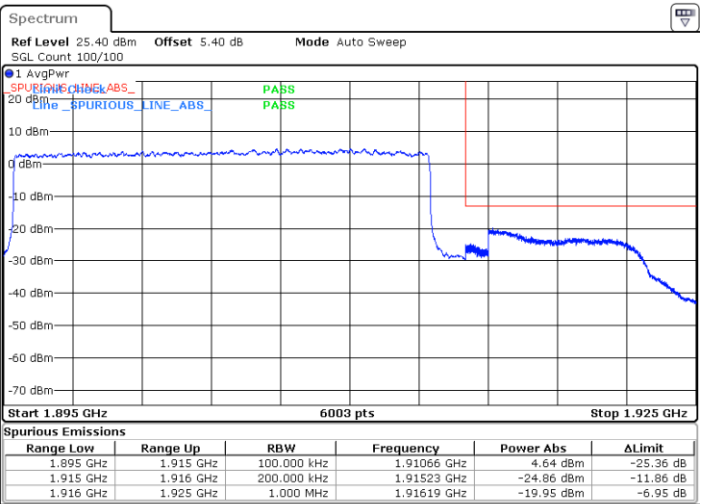
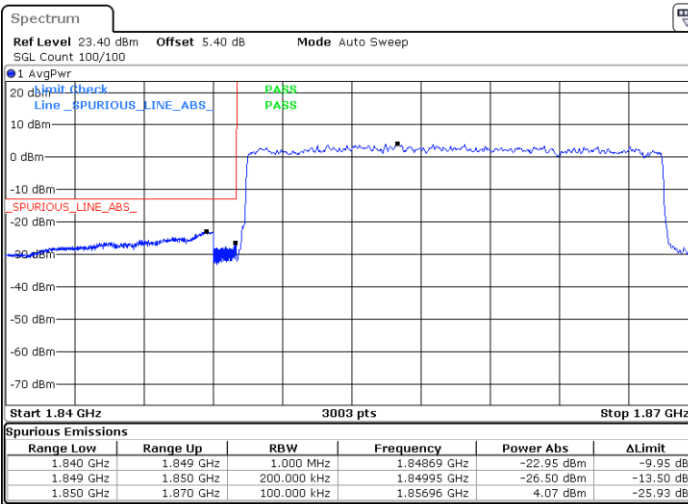


Date: 10 JUN 2020 15:25:04

Date: 10 JUN 2020 23:21:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 09:56:16

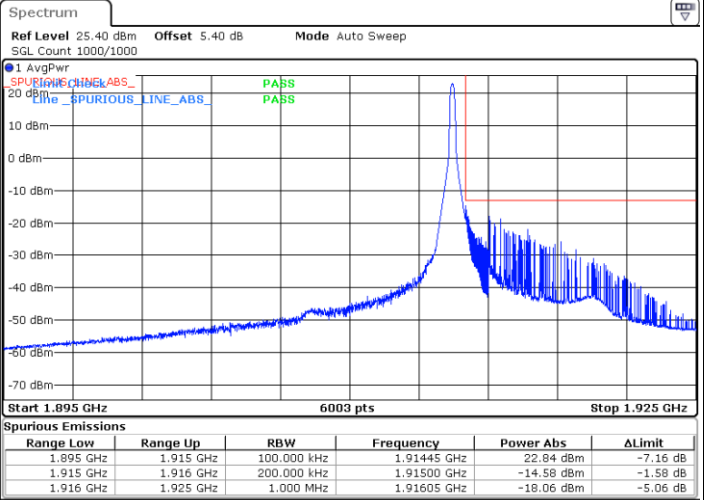
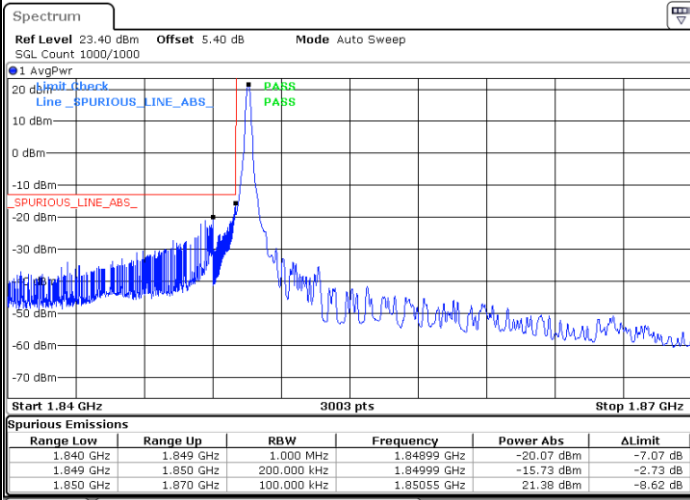
Date: 10 JUN 2020 23:09:39



FR1 n25 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

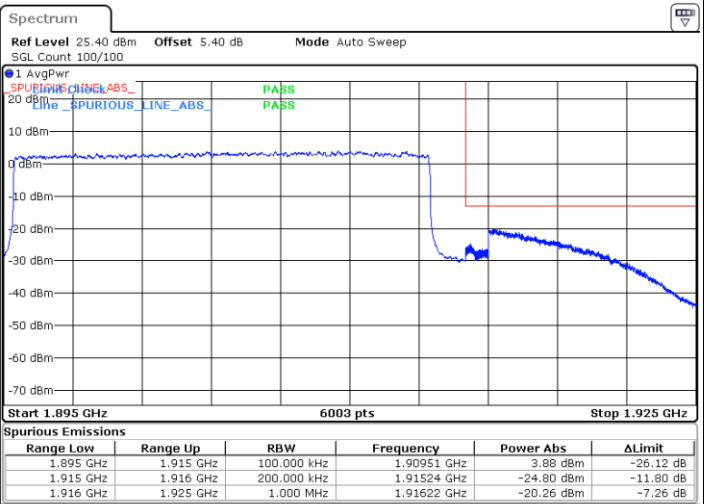
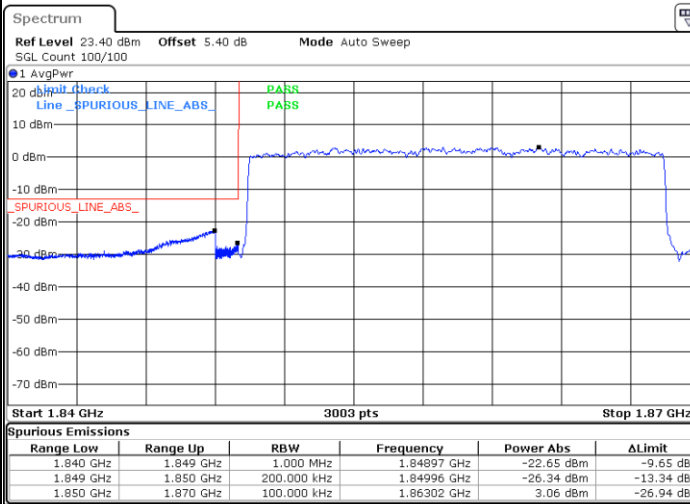


Date: 10.JUN.2020 15:19:19

Date: 10.JUN.2020 22:33:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2020 09:57:01

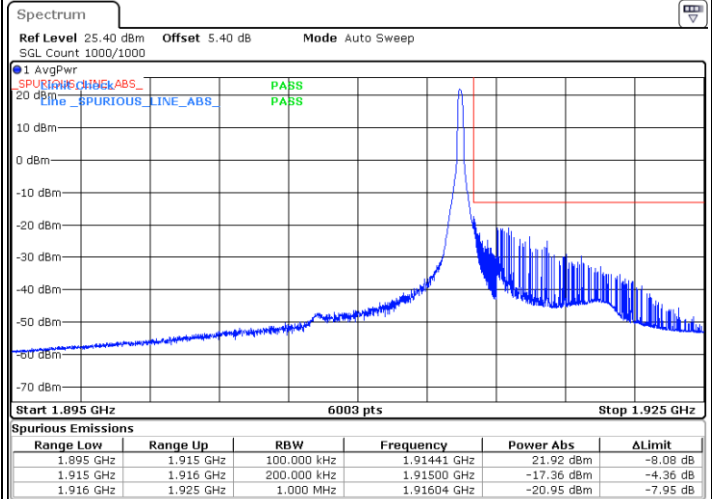
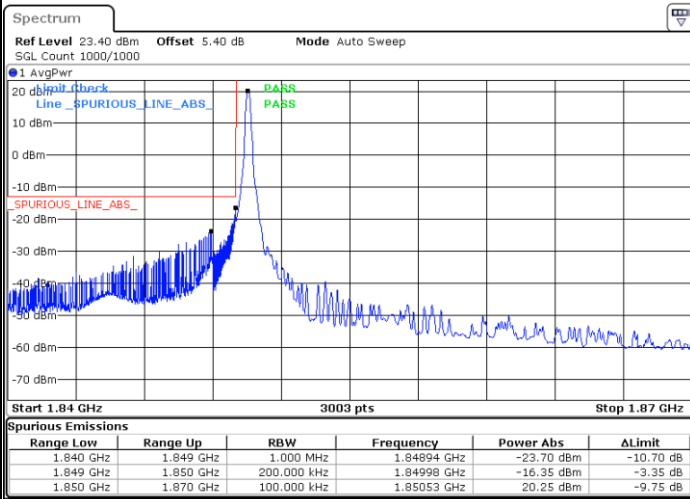
Date: 10.JUN.2020 22:22:55



FR1 n25 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

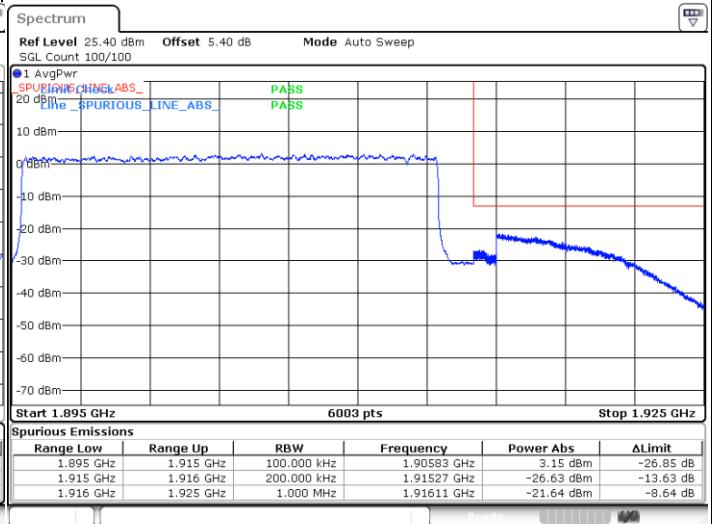
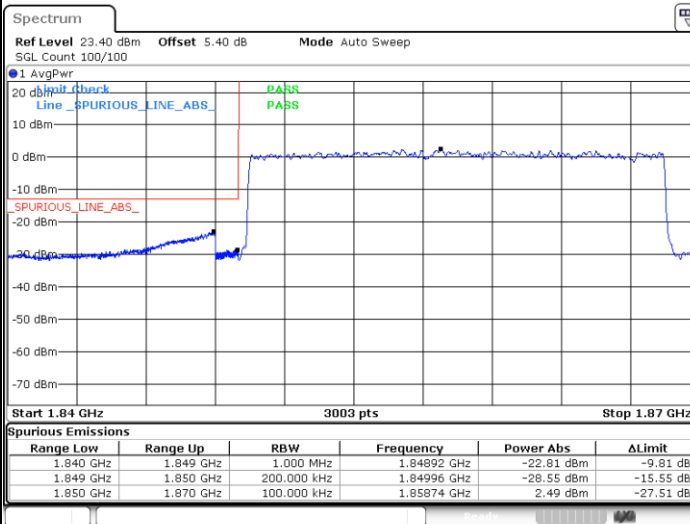


Date: 10.JUN.2020 15:08:53

Date: 10.JUN.2020 22:18:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.JUN.2020 09:59:05

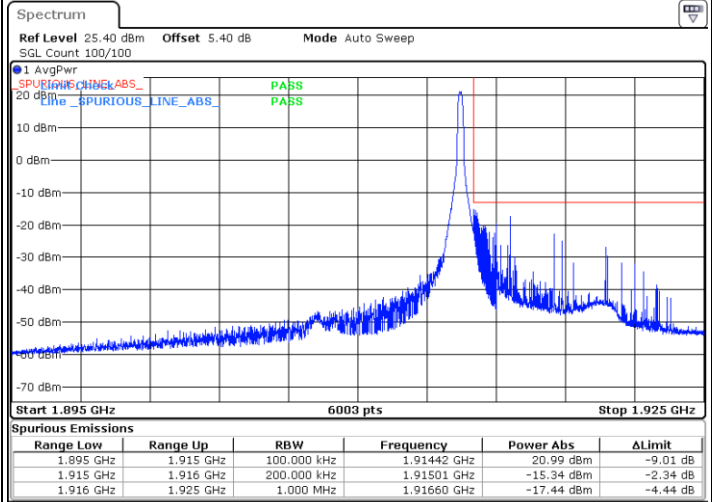
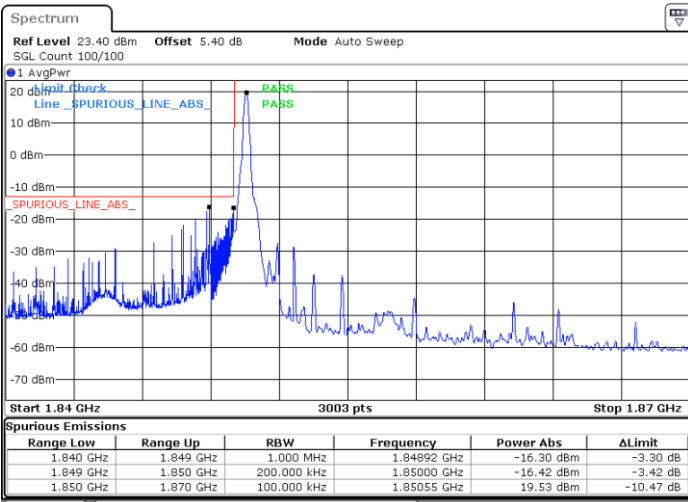
Date: 10.JUN.2020 22:21:34



FR1 n25 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

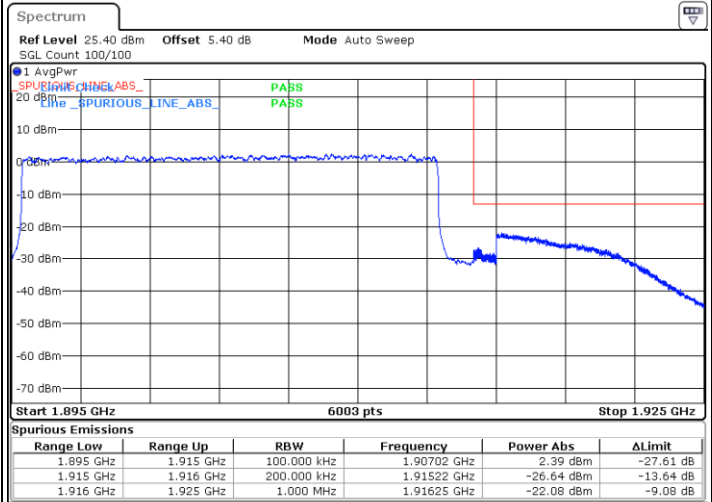
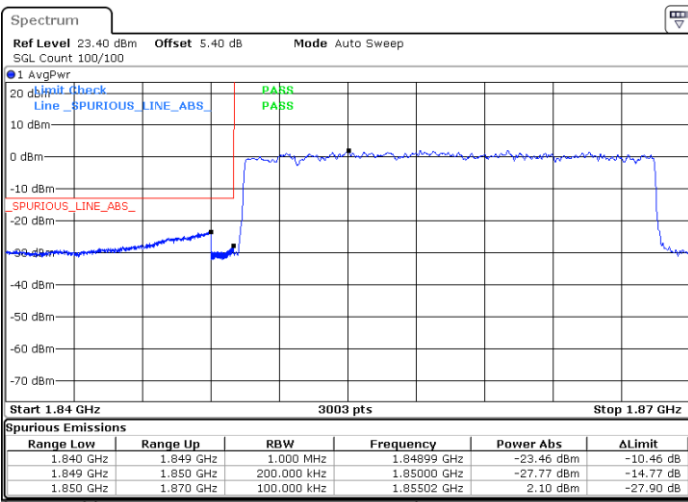


Date: 10 JUN 2020 15:06:55

Date: 10 JUN 2020 21:53:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 10:00:54

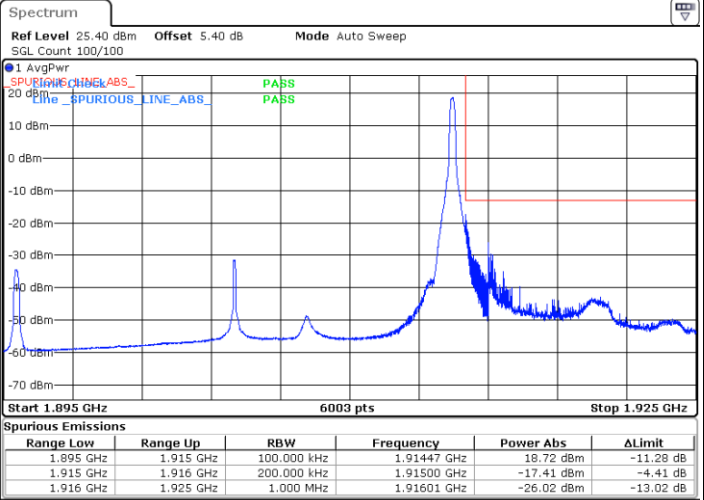
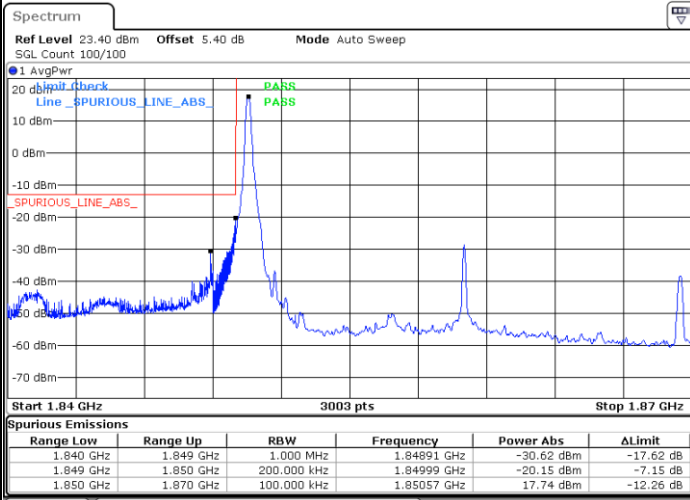
Date: 10 JUN 2020 21:51:35



FR1 n25 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

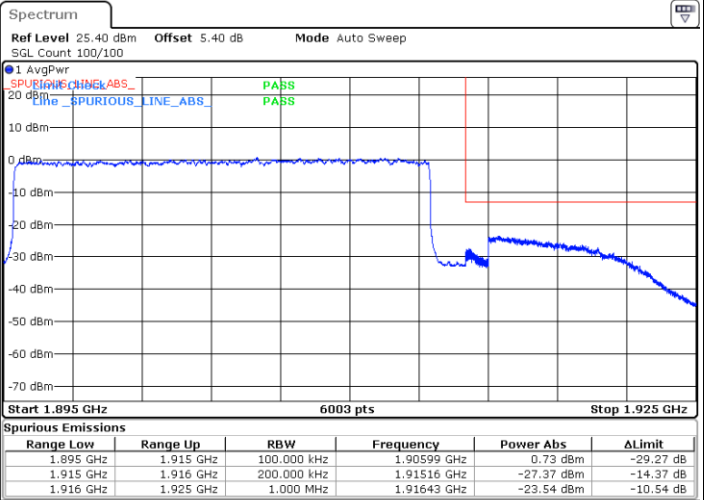
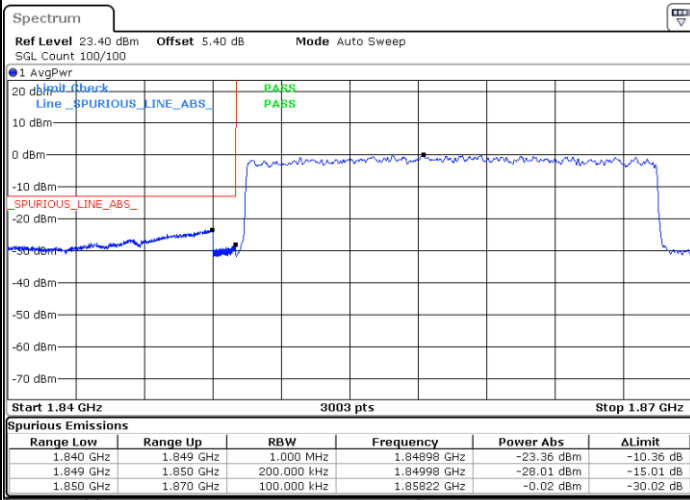


Date: 10 JUN 2020 10:05:59

Date: 10 JUN 2020 21:31:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 10:05:00

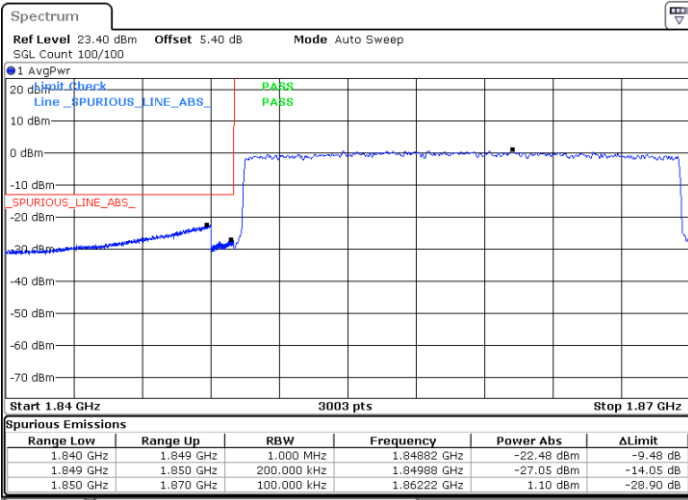
Date: 10 JUN 2020 21:33:26



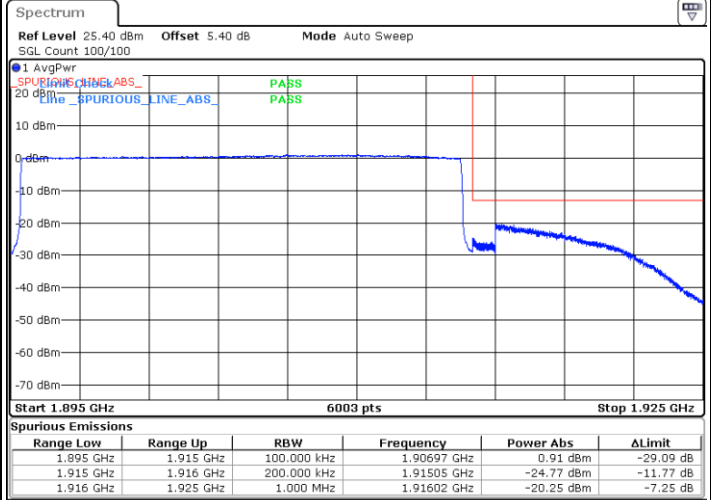
FR1 n25 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN 2020 10:01:31



Date: 10 JUN 2020 23:23:24

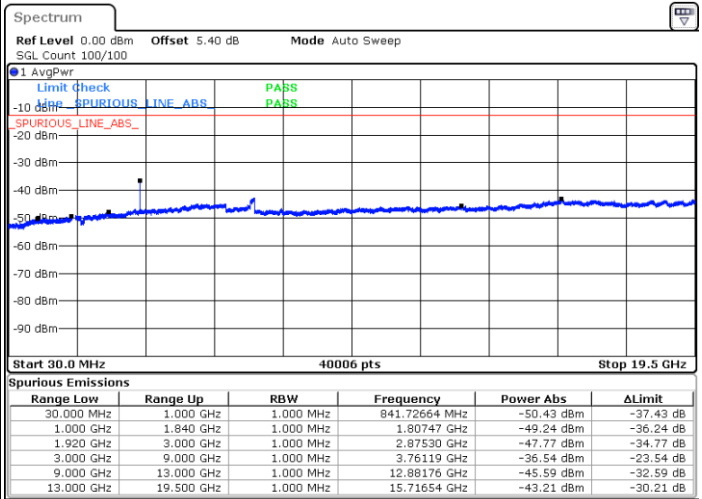
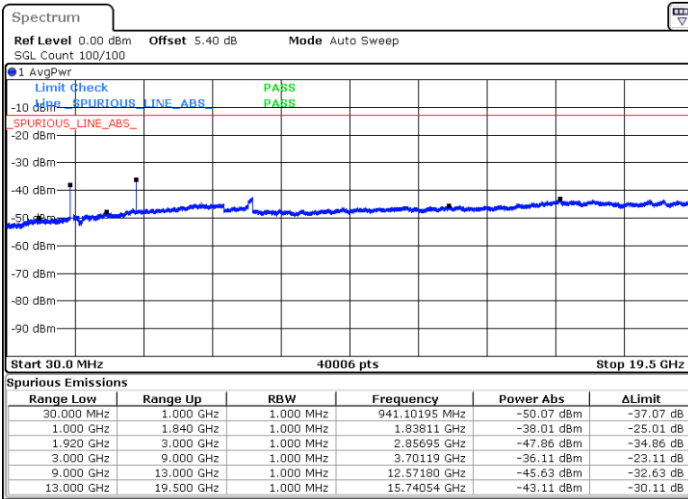


Conducted Spurious Emission

FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

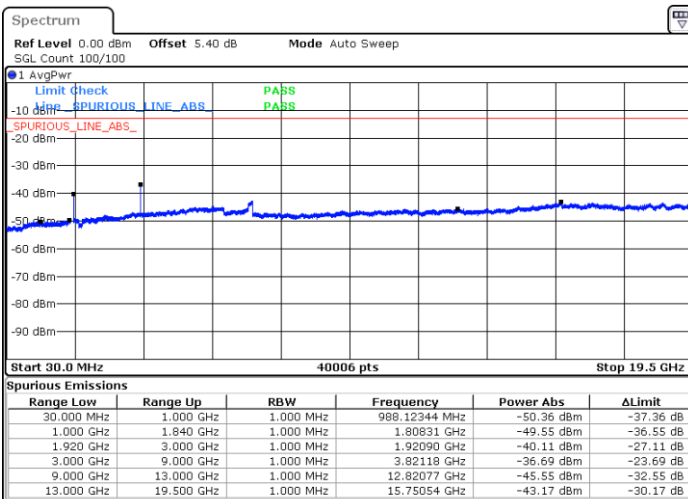
Middle Channel / 1RB1



Date: 11.JUN.2020 01:36:52

Date: 11.JUN.2020 05:43:39

Highest Channel / 1RB1



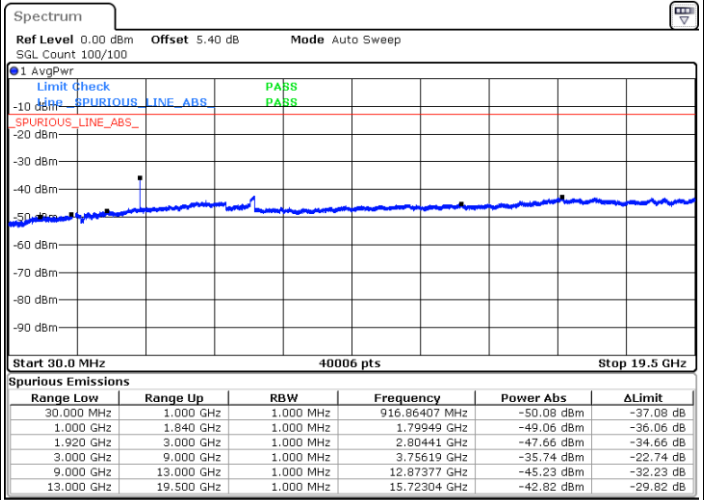
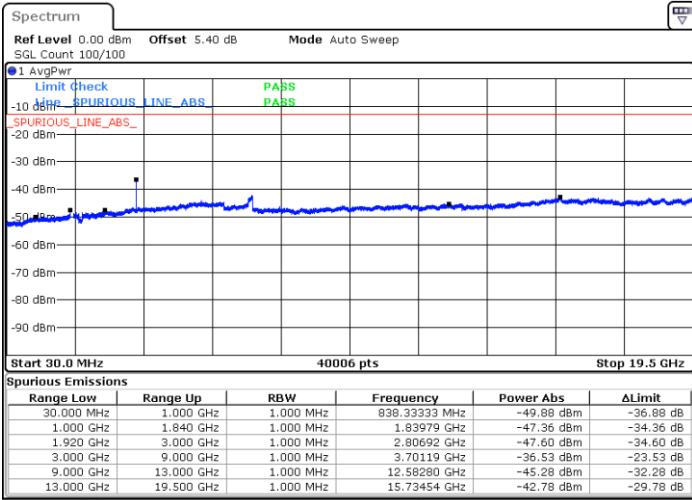
Date: 11.JUN.2020 03:49:00



FR1 n25 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

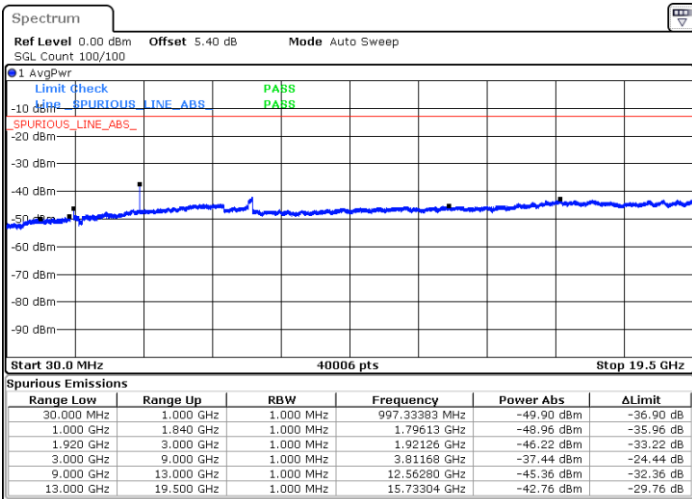
Middle Channel / 1RB1



Date: 8.JUN.2020 03:17:00

Date: 10.JUN.2020 08:12:40

Highest Channel / 1RB1



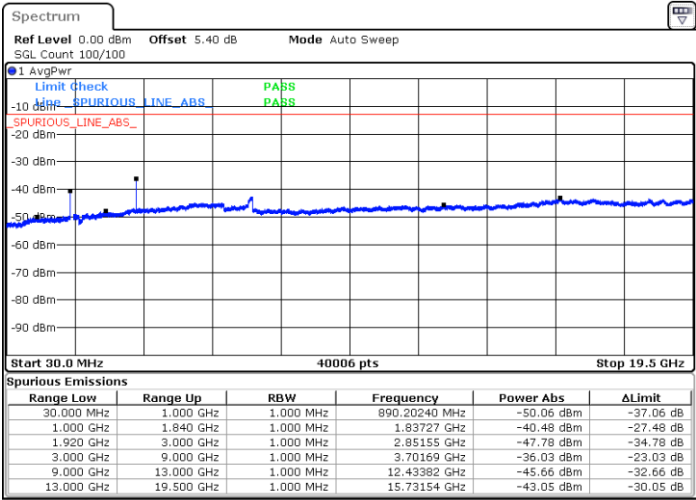
Date: 10.JUN.2020 05:42:07



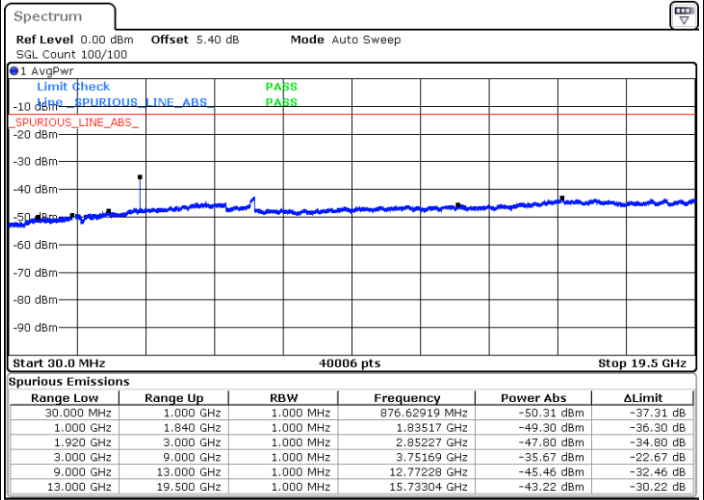
FR1 n25 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

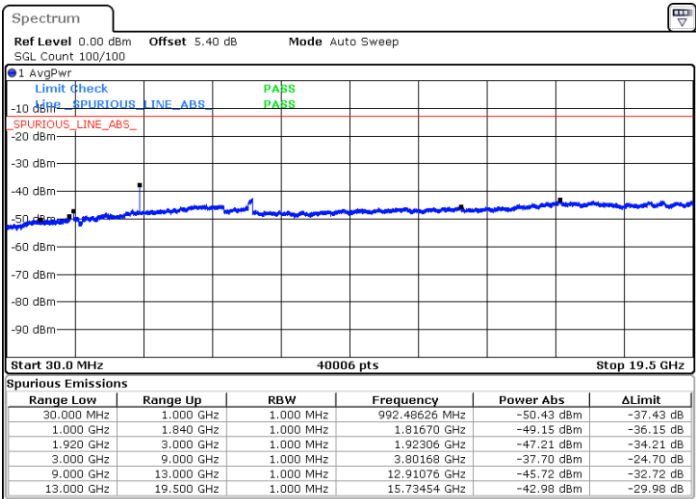


Date: 11. JUN. 2020 06:23:58



Date: 11. JUN. 2020 06:04:53

Highest Channel / 1RB1



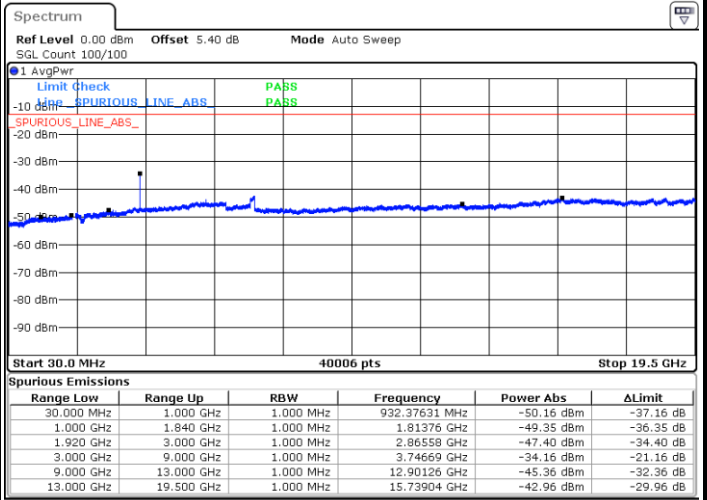
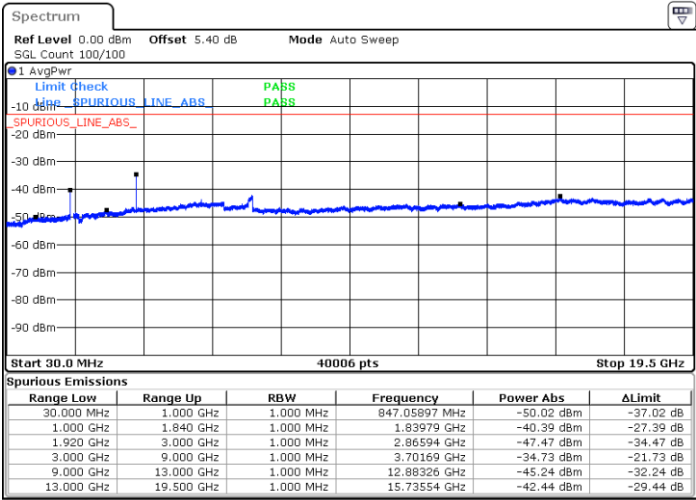
Date: 11. JUN. 2020 07:38:35



FR1 n25 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

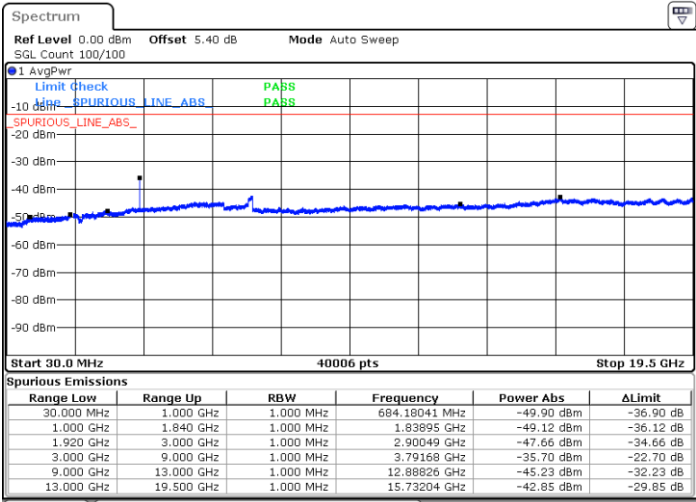
Middle Channel / 1RB1



Date: 10 JUN 2020 20:02:10

Date: 10 JUN 2020 20:00:00

Highest Channel / 1RB1



Date: 10 JUN 2020 23:11:18



Frequency Stability

Test Conditions		FR1 n25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n41

Peak-to-Average Ratio

Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Lowest CH	6.81	8.00	9.01	9.22	PASS
Middle CH	6.81	7.91	8.99	9.16	
Highest CH	6.70	8.14	8.96	9.16	
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Lowest CH	9.22				PASS
Middle CH	9.13				
Highest CH	9.10				



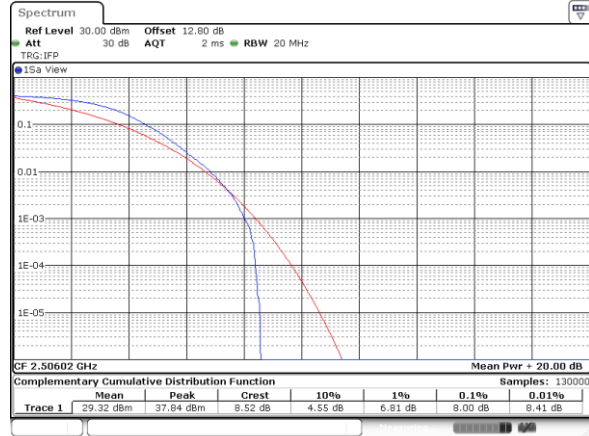
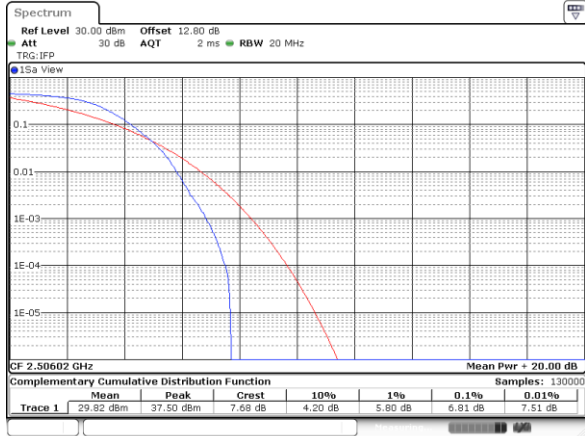
FR1 n41 / 20MHz / DFT-S OFDM

PI/2 BPSK

QPSK

Lowest Channel / Full RB

Lowest Channel / Full RB

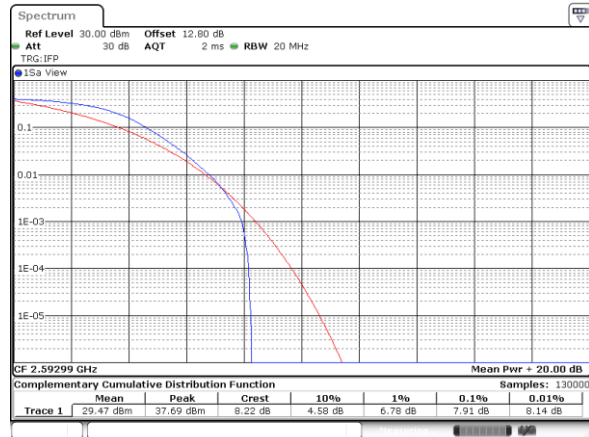
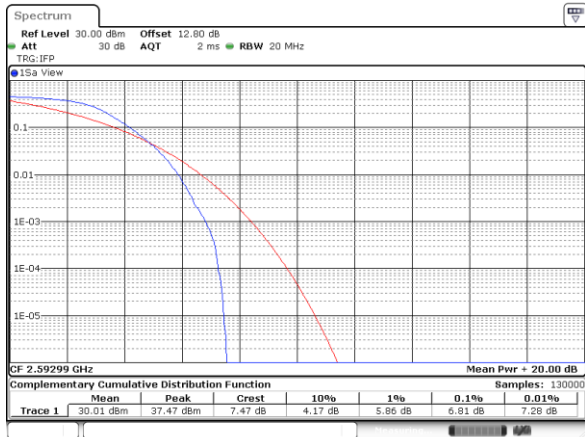


Date: 21 JUN 2020 02:58:56

Date: 21 JUN 2020 03:02:16

Middle Channel / Full RB

Middle Channel / Full RB

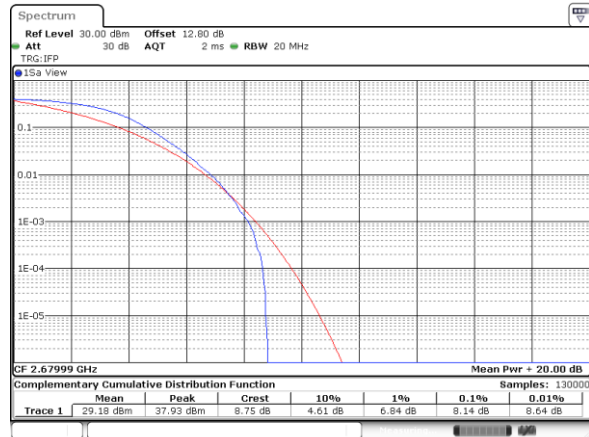
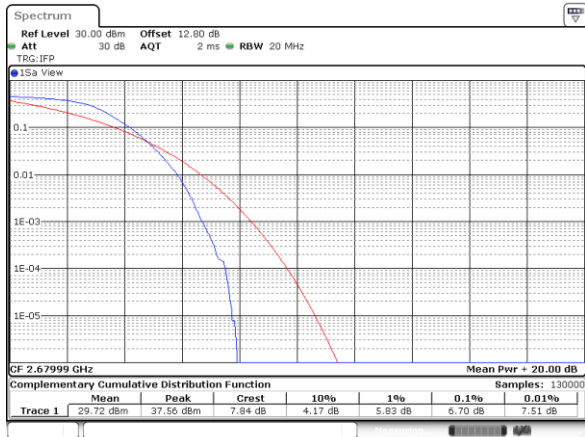


Date: 21 JUN 2020 03:20:53

Date: 21 JUN 2020 03:21:31

Highest Channel / Full RB

Highest Channel / Full RB



Date: 21 JUN 2020 03:27:47

Date: 21 JUN 2020 03:27:16