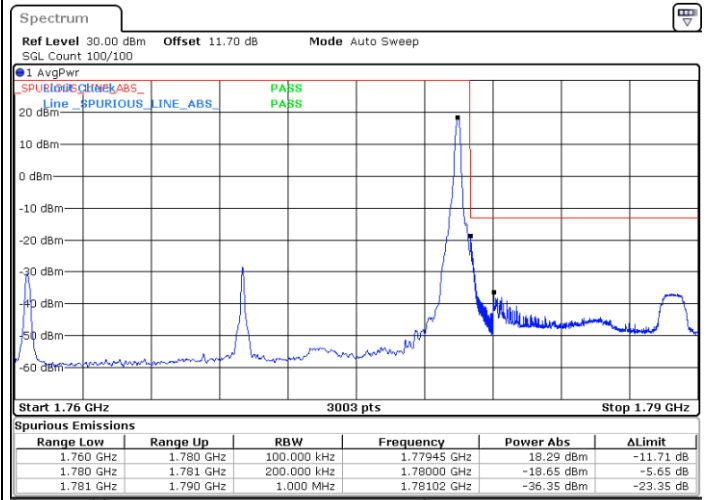
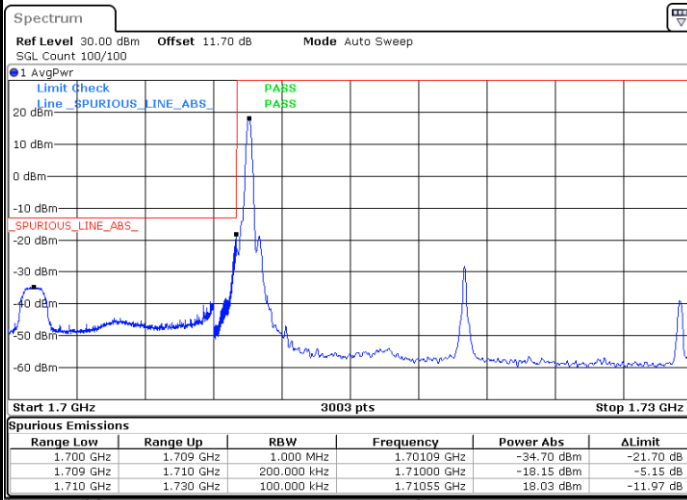




FR1 n66 / 20MHz / PI/2 BPSK / DFT-S OFDM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

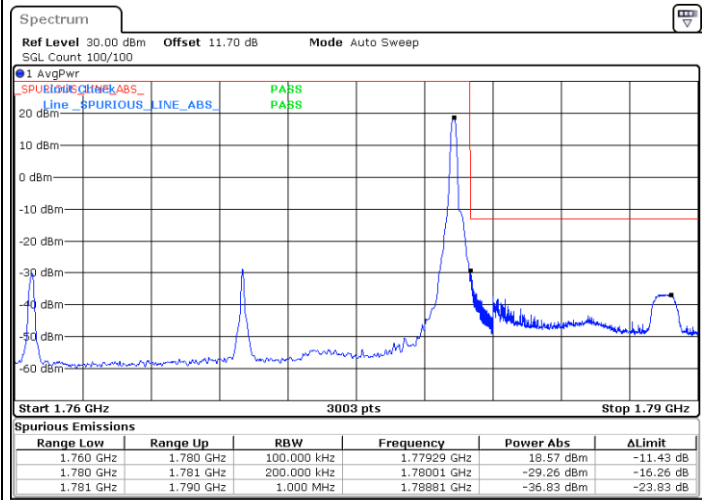
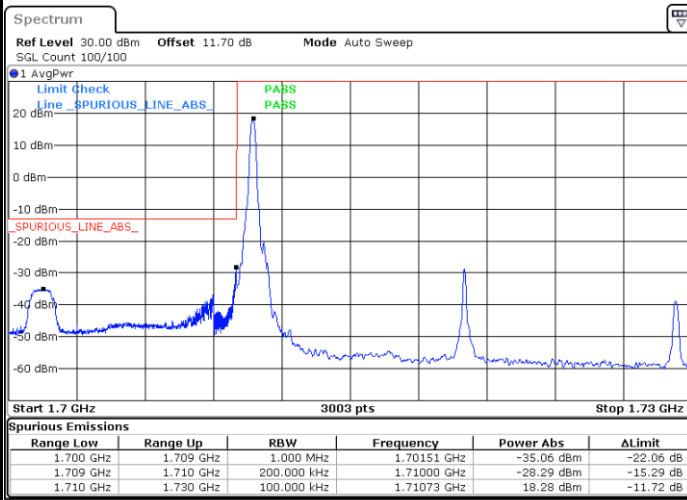


Date: 13.MAR.2020 04:41:10

Date: 13.MAR.2020 07:01:14

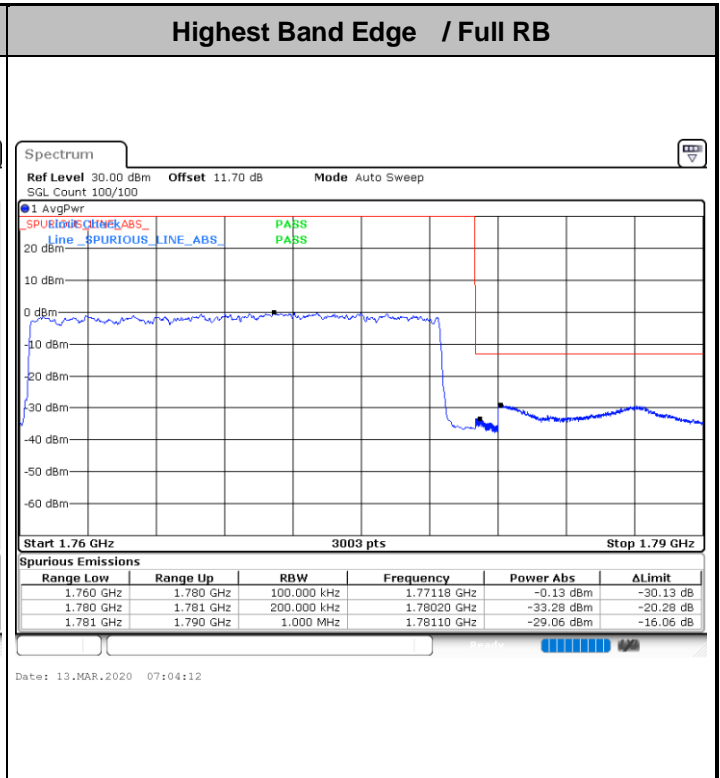
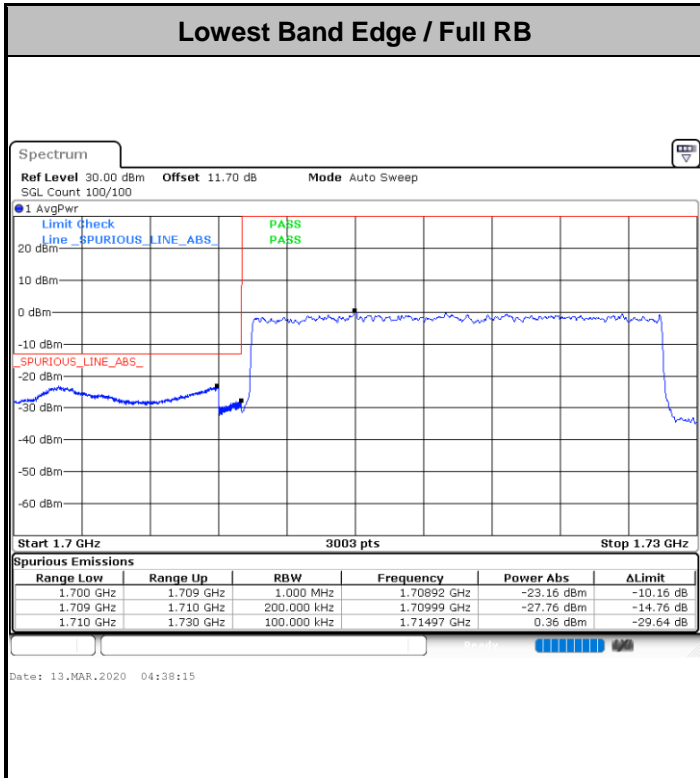
Lowest Band Edge / 1RB1

Highest Band Edge / 1RB104

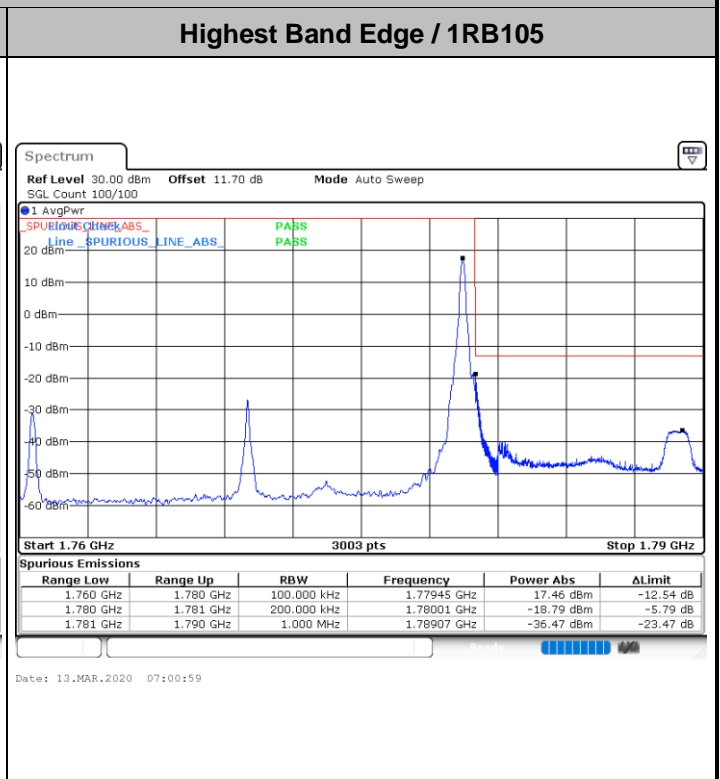
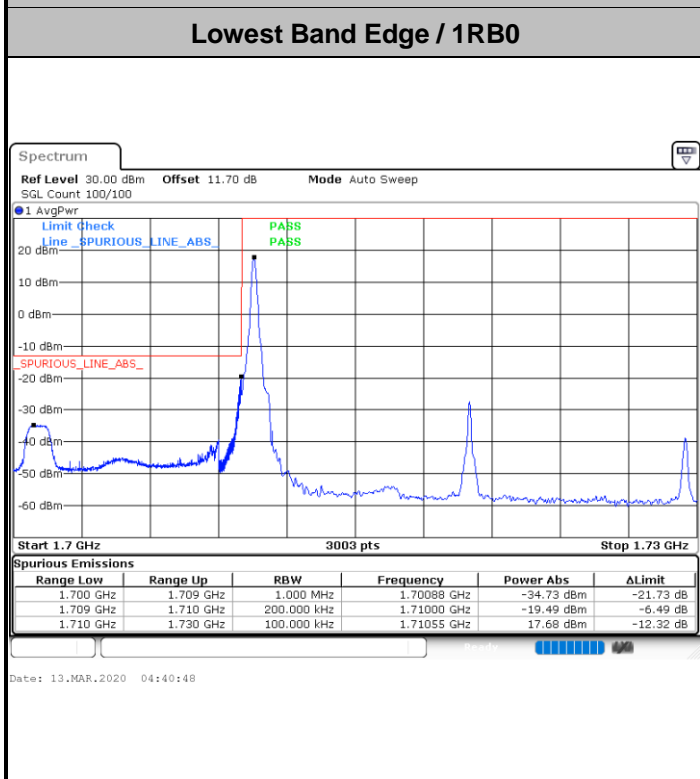


Date: 13.MAR.2020 04:41:29

Date: 13.MAR.2020 07:01:34



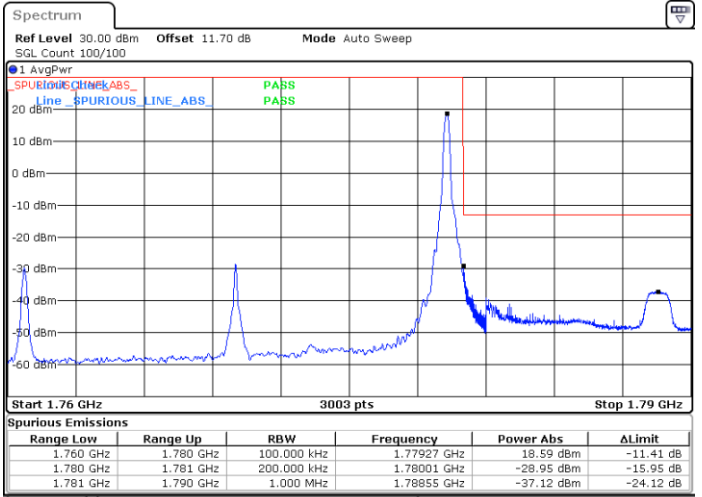
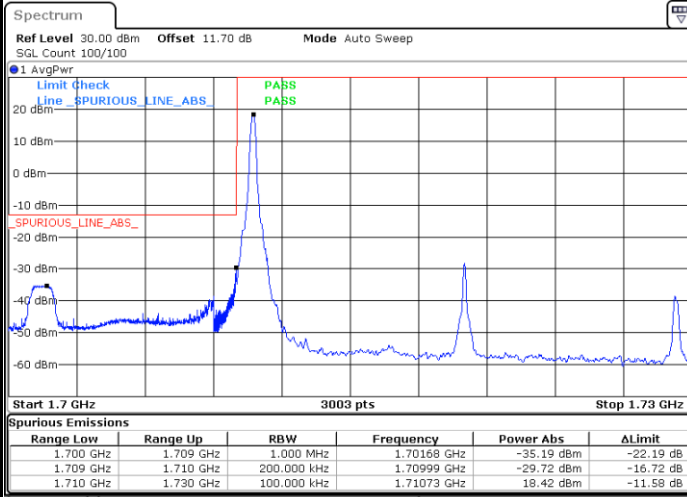
### FR1 n66 / 20MHz / QPSK / DFT-S OFDM





Lowest Band Edge / 1RB1

Highest Band Edge / 1RB104

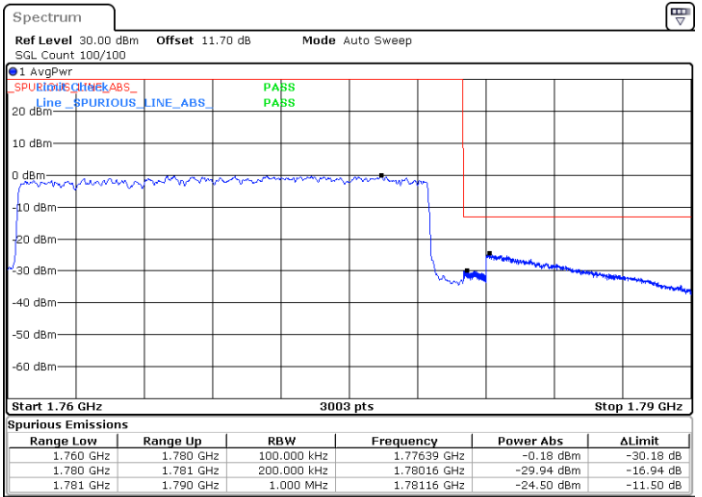
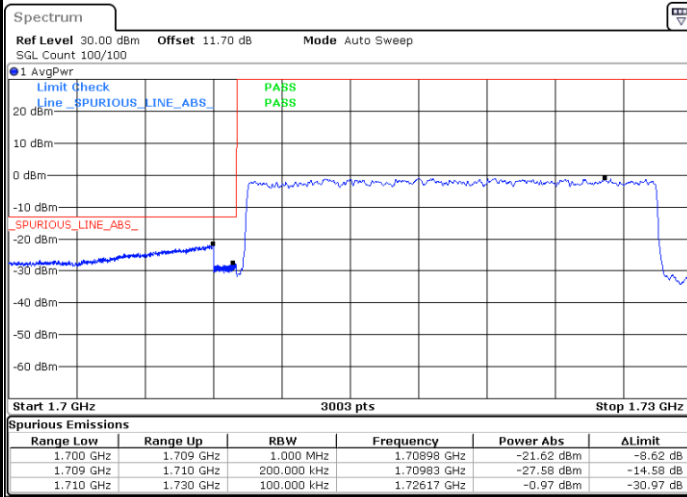


Date: 13.MAR.2020 04:43:06

Date: 13.MAR.2020 07:01:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2020 04:38:43

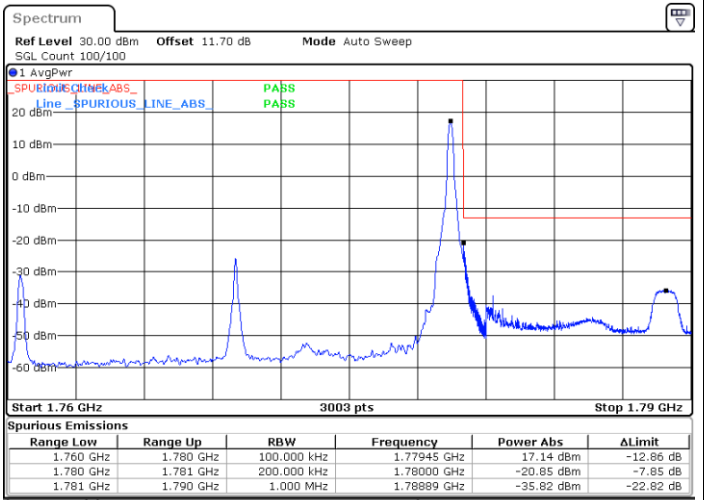
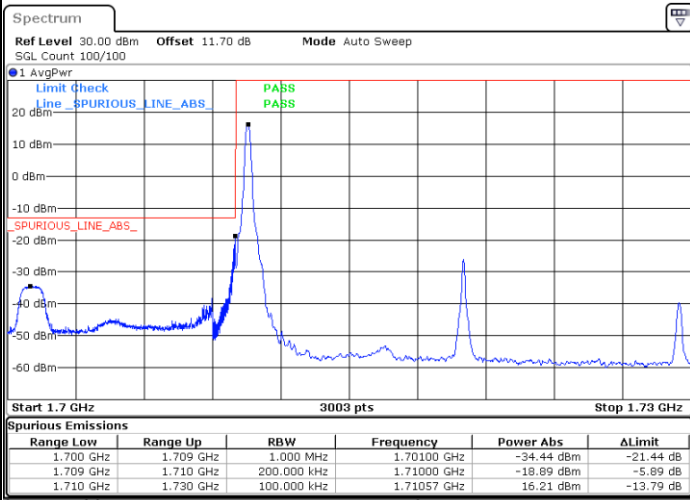
Date: 13.MAR.2020 07:03:50



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

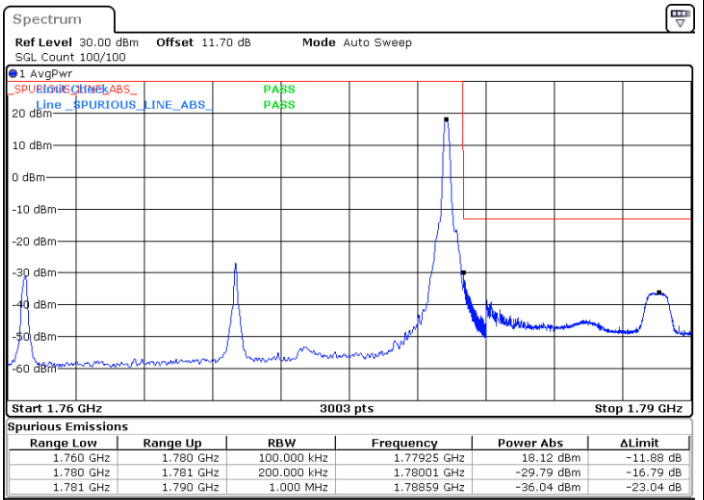
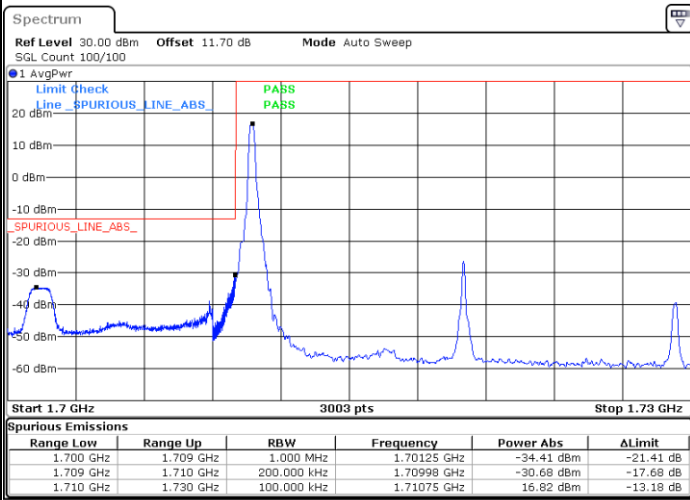


Date: 13.MAR.2020 04:40:32

Date: 13.MAR.2020 07:00:39

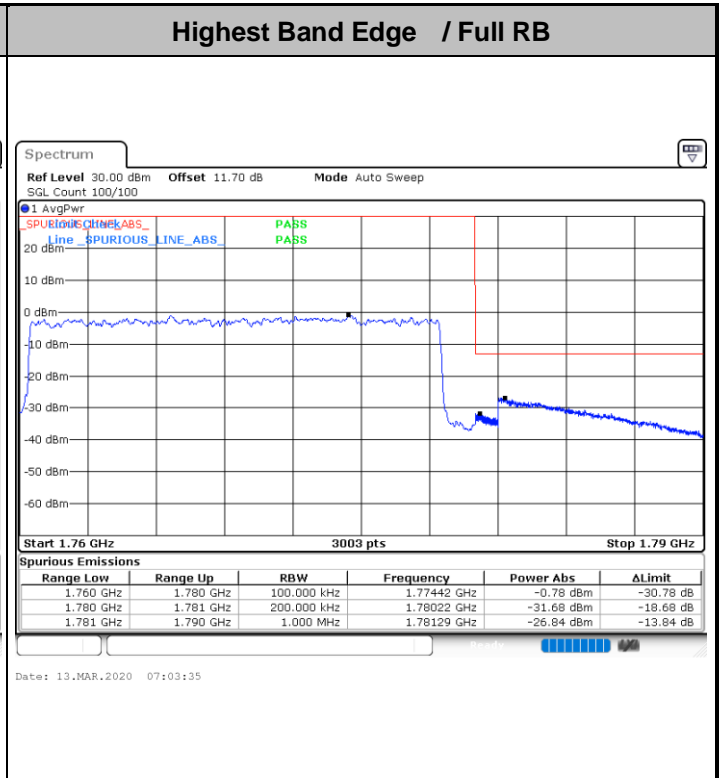
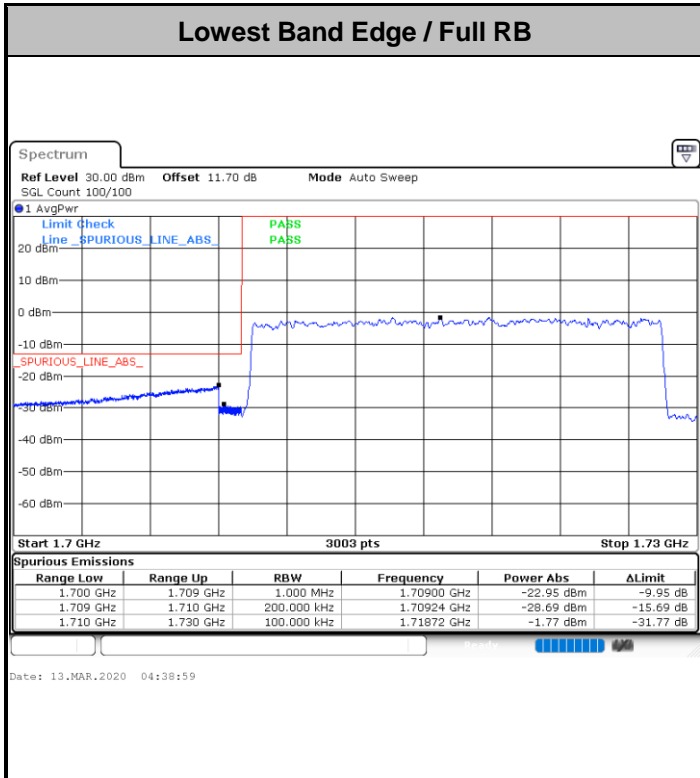
Lowest Band Edge / 1RB1

Highest Band Edge / 1RB104

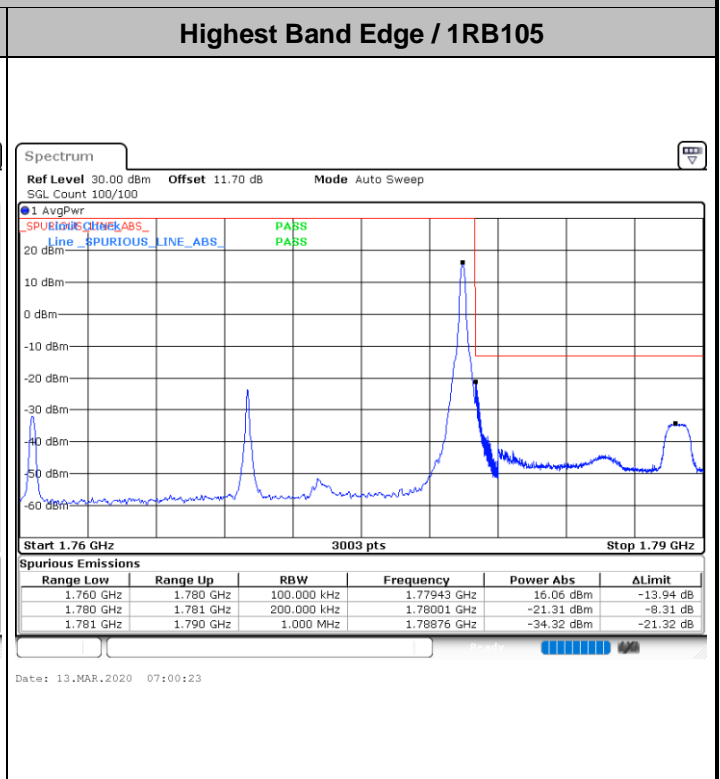
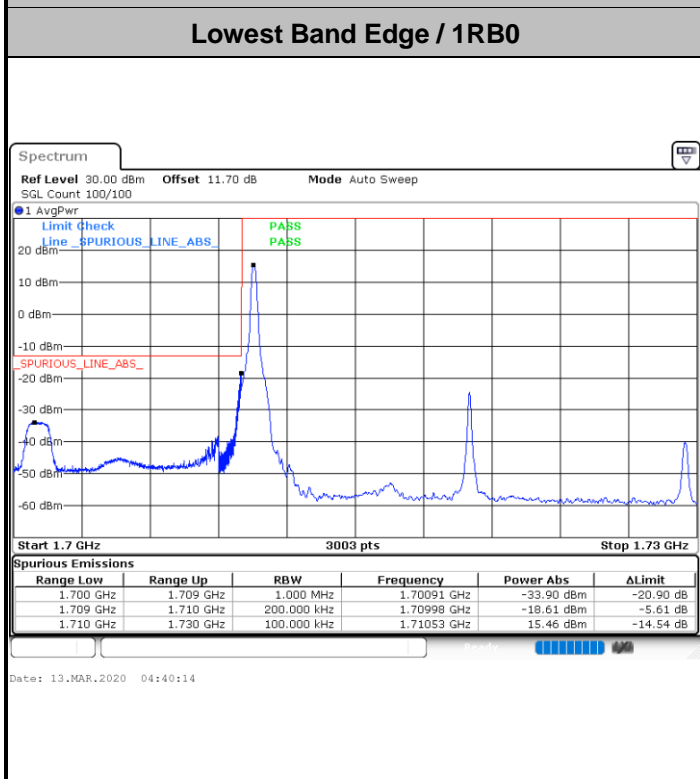


Date: 13.MAR.2020 04:43:36

Date: 13.MAR.2020 07:02:08



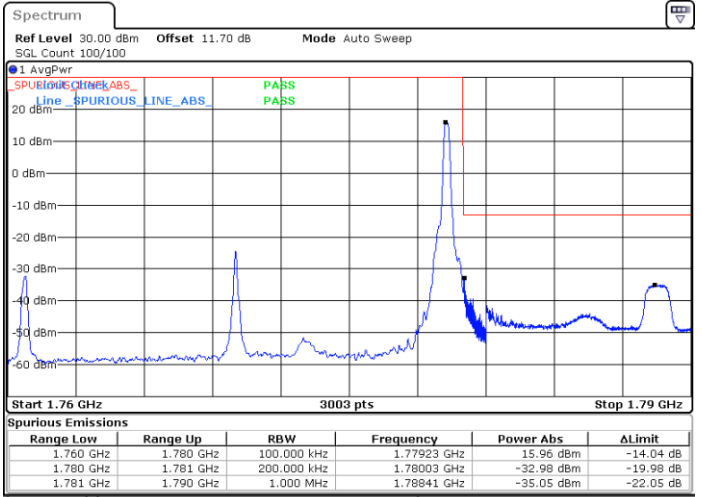
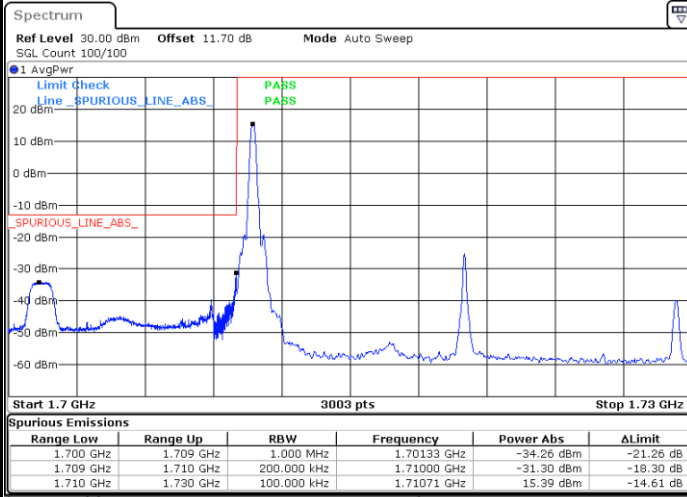
### FR1 n66 / 20MHz / 64QAM / DFT-S OFDM





Lowest Band Edge / 1RB1

Highest Band Edge / 1RB104

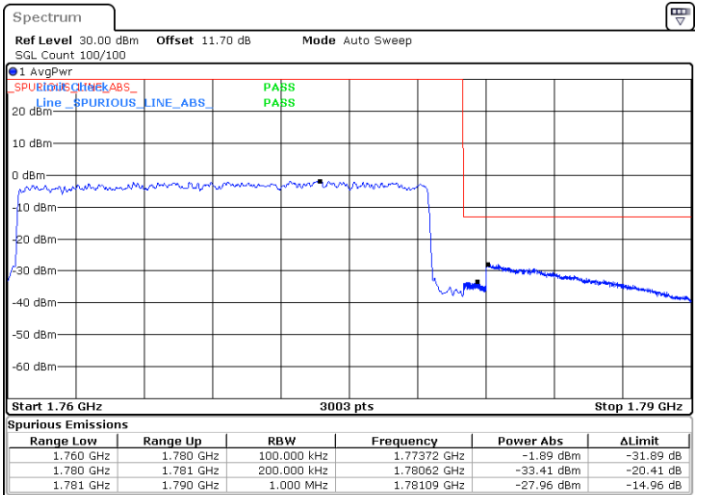
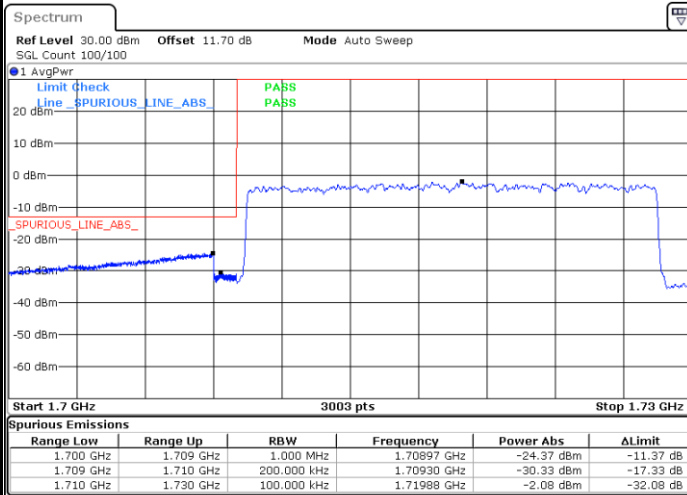


Date: 13.MAR.2020 04:44:30

Date: 13.MAR.2020 07:02:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2020 04:39:15

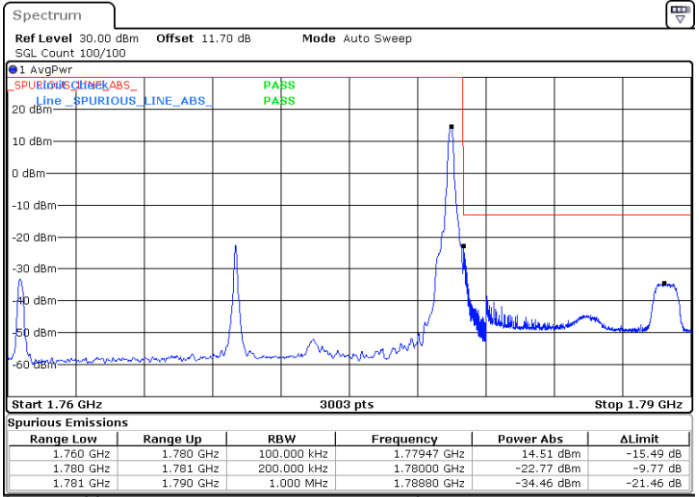
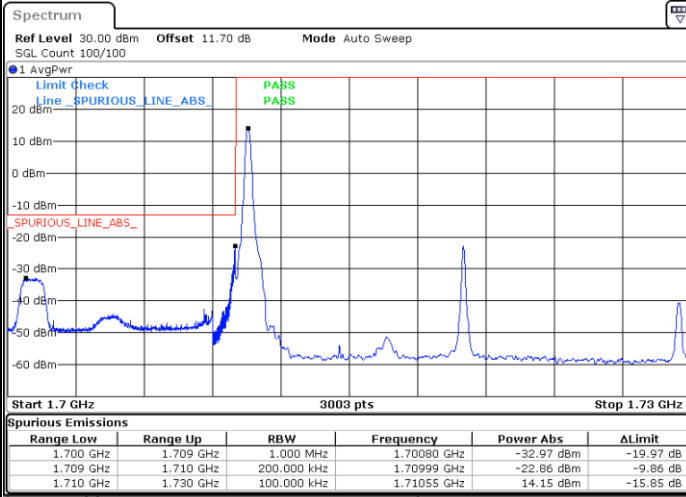
Date: 13.MAR.2020 07:03:16



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB105

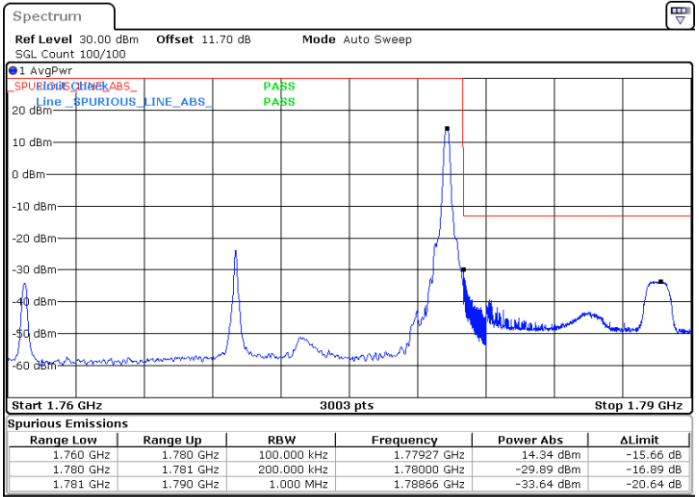
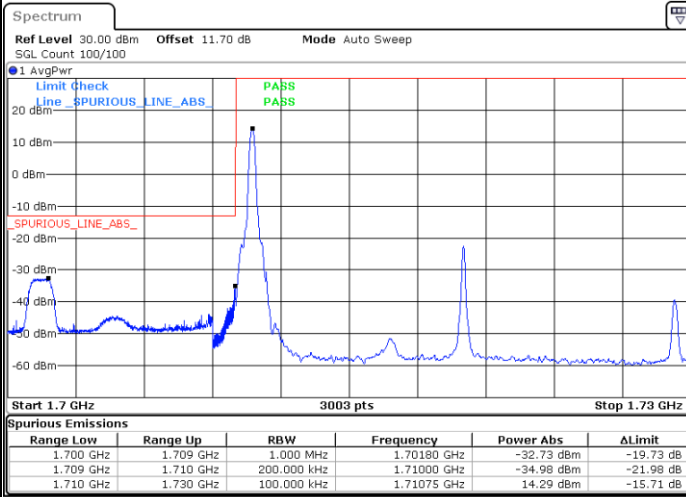


Date: 13.MAR.2020 04:39:58

Date: 13.MAR.2020 07:00:09

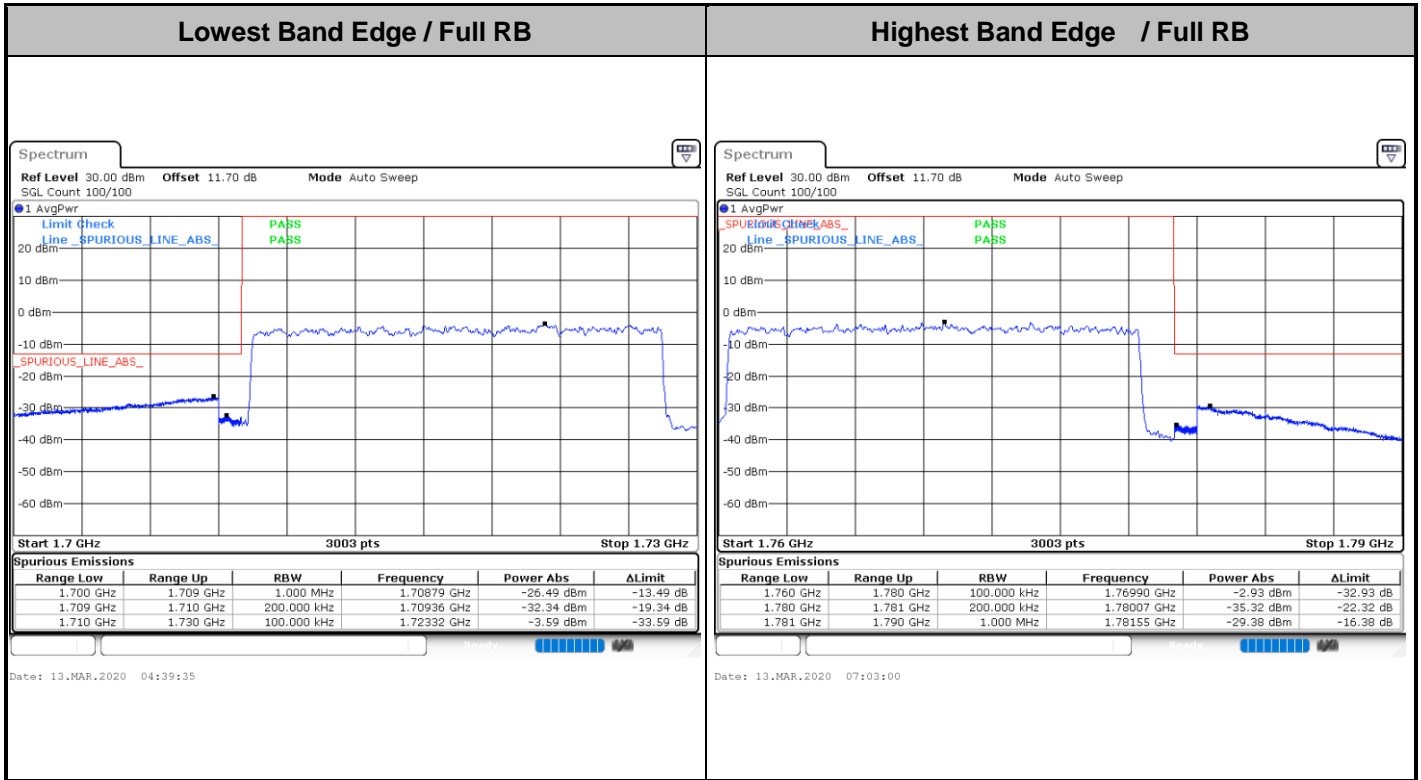
Lowest Band Edge / 1RB1

Highest Band Edge / 1RB104



Date: 13.MAR.2020 04:45:28

Date: 13.MAR.2020 07:02:39







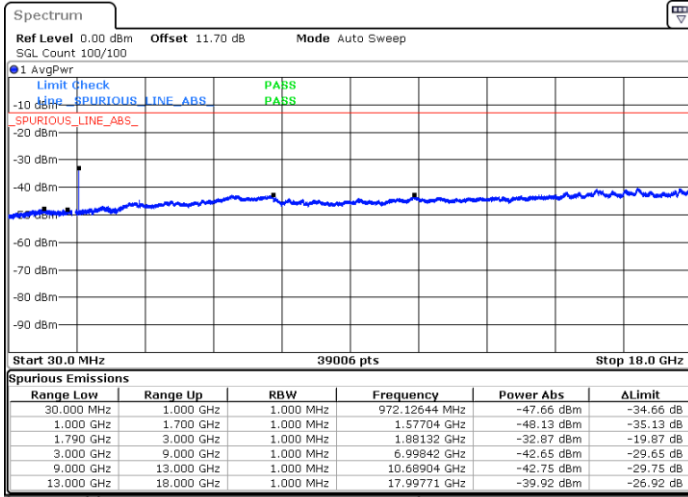
**Conducted Spurious Emission**



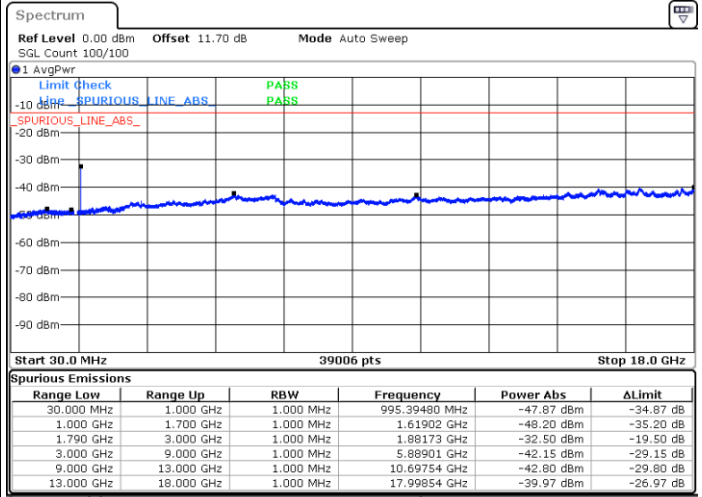
FR1 n66 / 5MHz / PI/2 BPSK / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

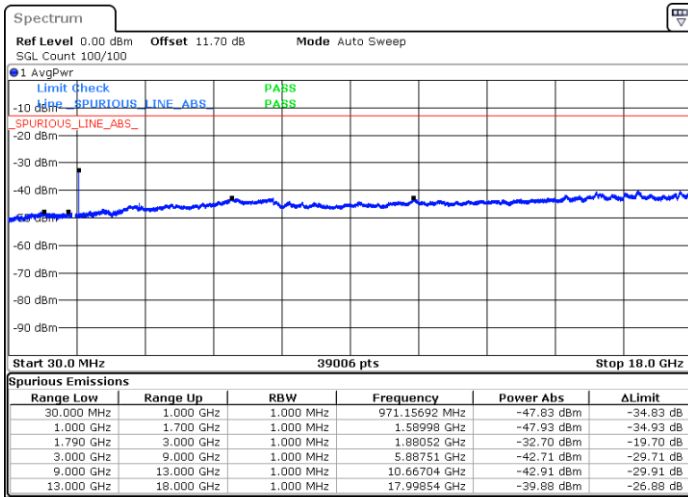


Date: 13.MAR.2020 03:11:18



Date: 13.MAR.2020 03:20:42

Highest Channel / 1RB1



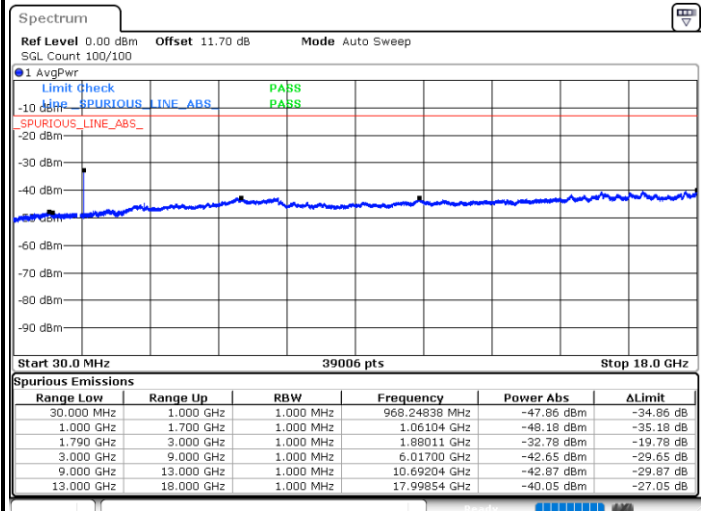
Date: 13.MAR.2020 03:21:54



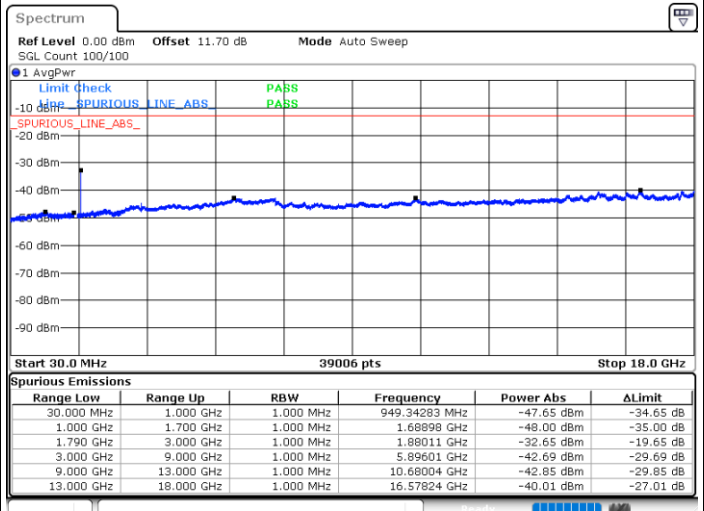
FR1 n66 / 5MHz / QPSK / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

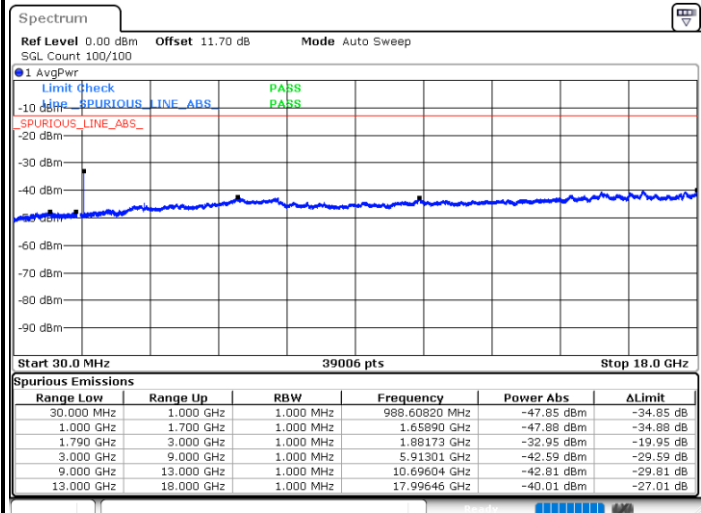


Date: 13.MAR.2020 03:12:18



Date: 13.MAR.2020 03:19:54

Highest Channel / 1RB1



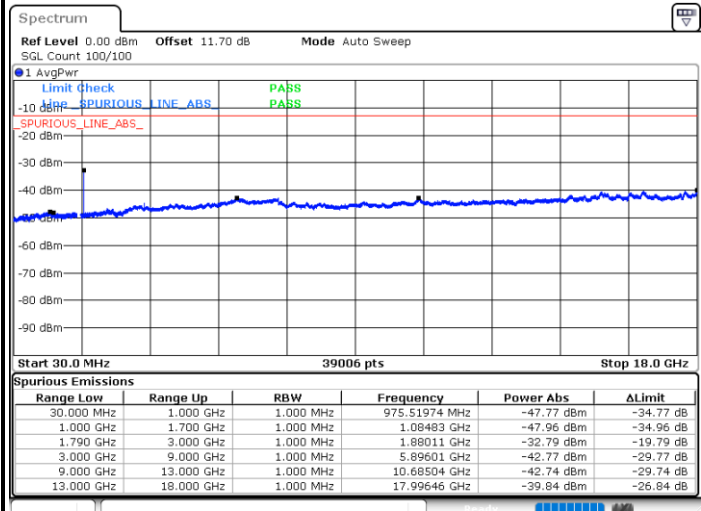
Date: 13.MAR.2020 03:23:36



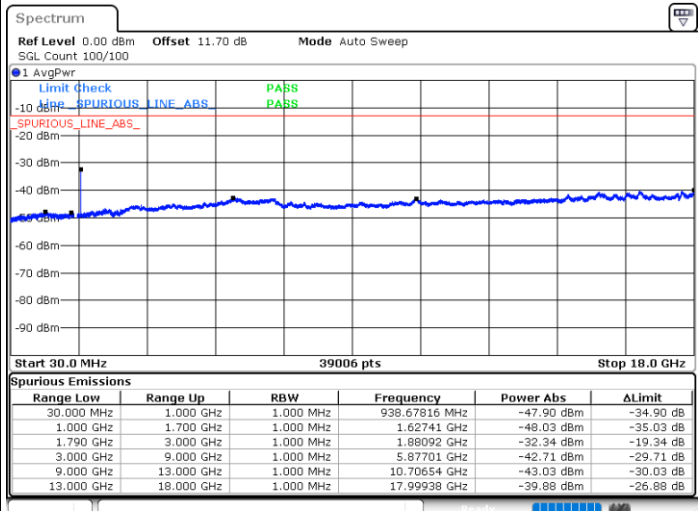
FR1 n66 / 5MHz / 16QAM / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

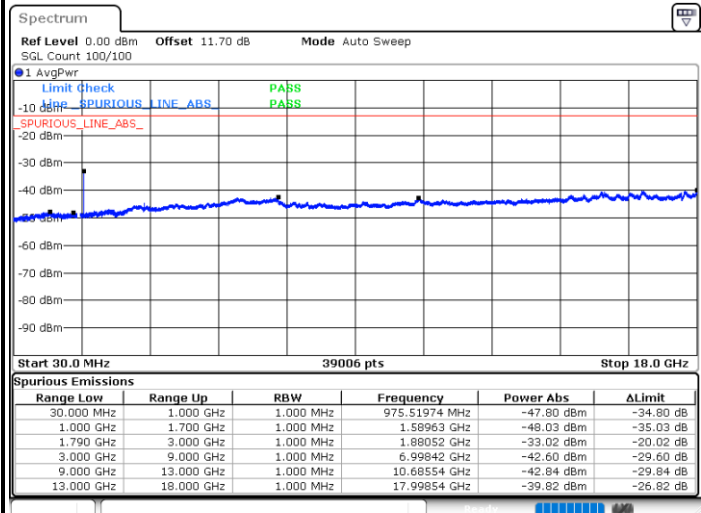


Date: 13.MAR.2020 03:13:22



Date: 13.MAR.2020 03:18:59

Highest Channel / 1RB1



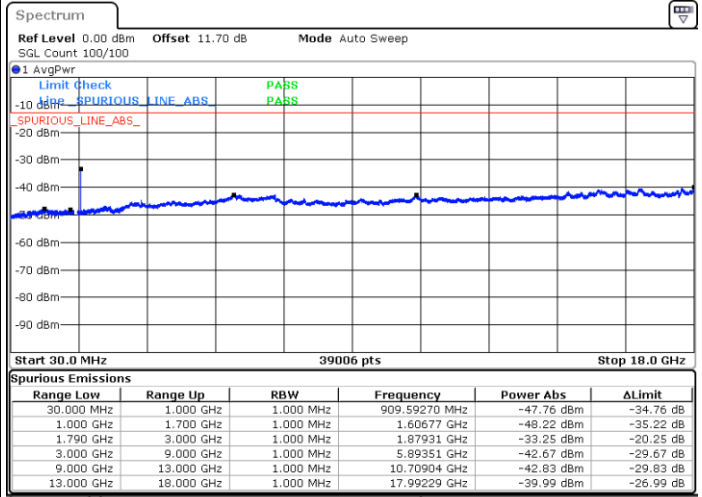
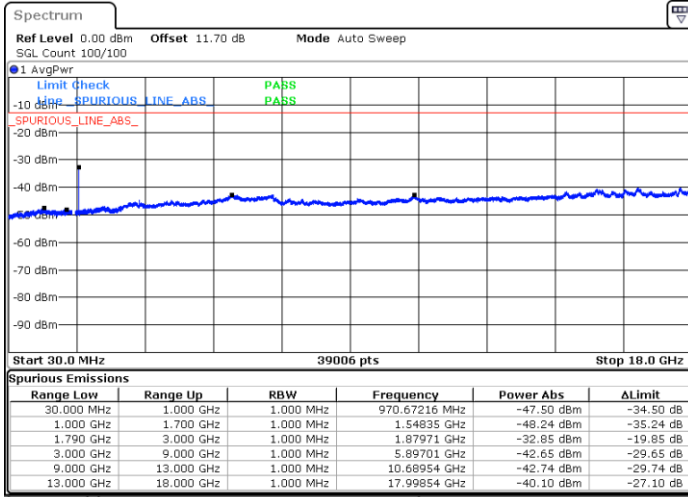
Date: 13.MAR.2020 03:24:22



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

Lowest Channel / 1RB1

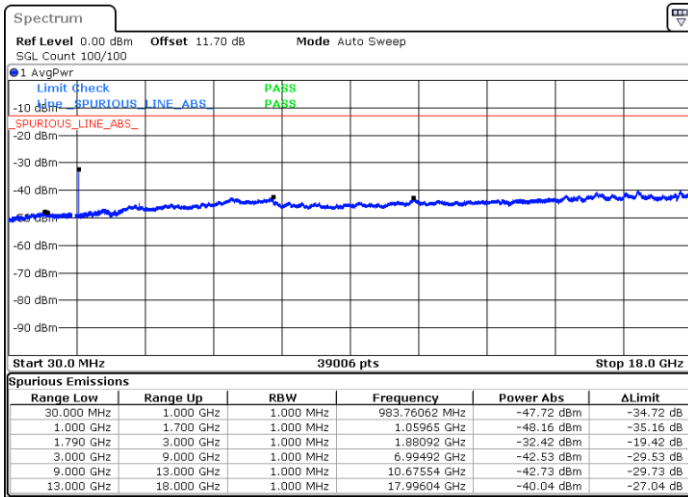
Middle Channel / 1RB1



Date: 13.MAR.2020 03:14:29

Date: 13.MAR.2020 03:18:10

Highest Channel / 1RB1



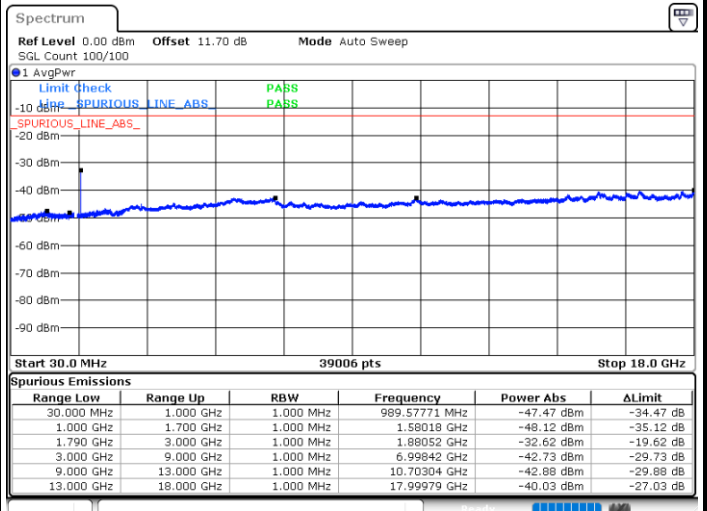
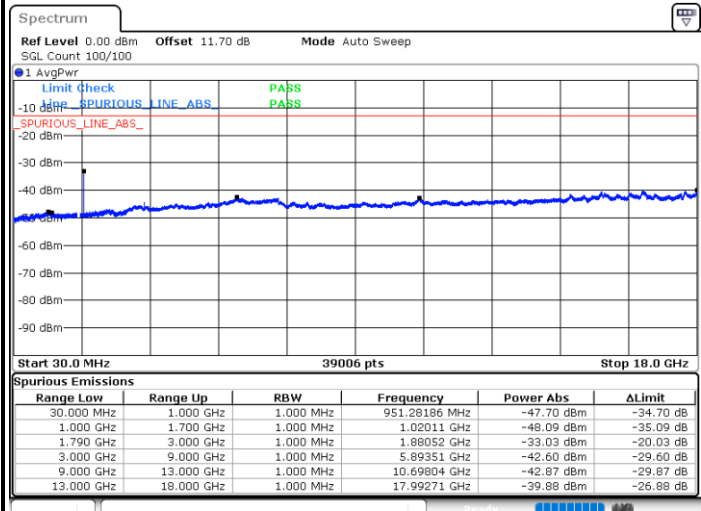
Date: 13.MAR.2020 03:25:08



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

Lowest Channel / 1RB1

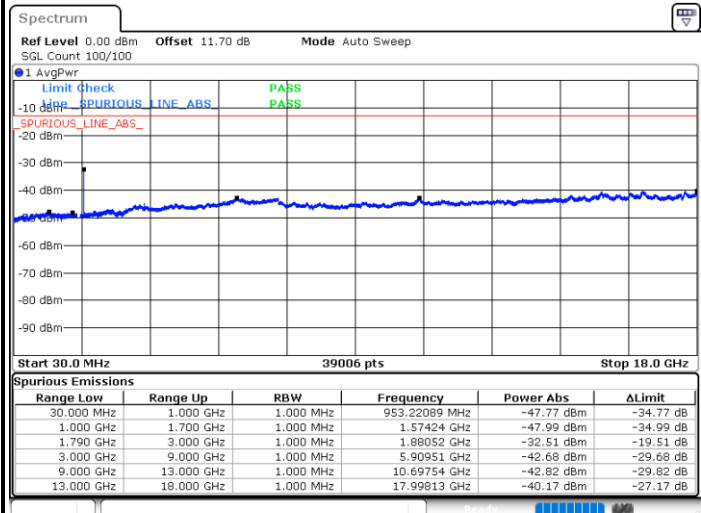
Middle Channel / 1RB1



Date: 13.MAR.2020 03:16:21

Date: 13.MAR.2020 03:17:20

Highest Channel / 1RB1



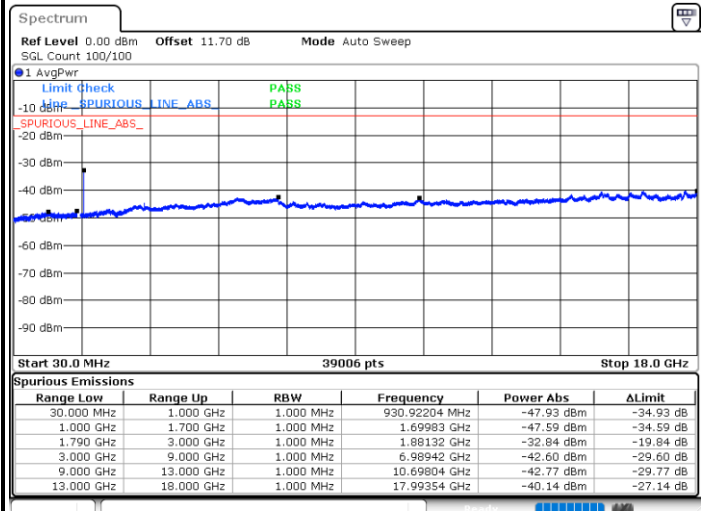
Date: 13.MAR.2020 03:25:57



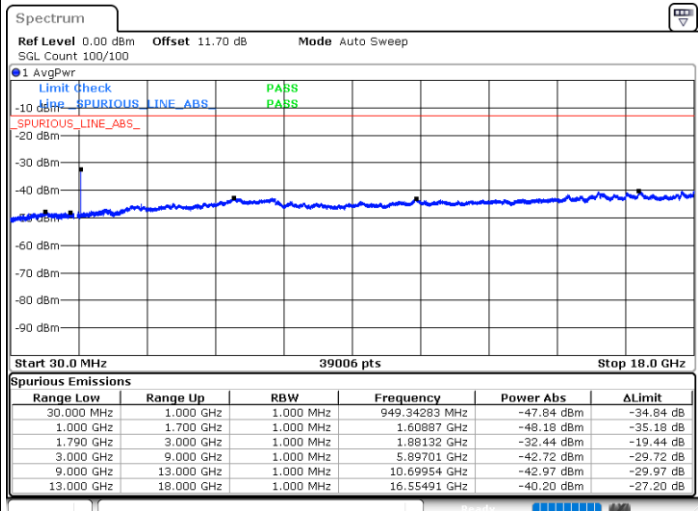
FR1 n66 / 10MHz / PI/2 BPSK / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

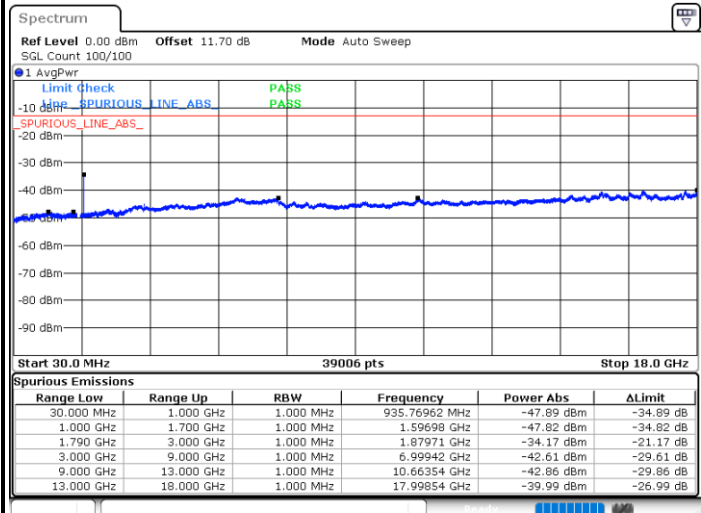


Date: 13.MAR.2020 03:41:13



Date: 13.MAR.2020 03:49:29

Highest Channel / 1RB1



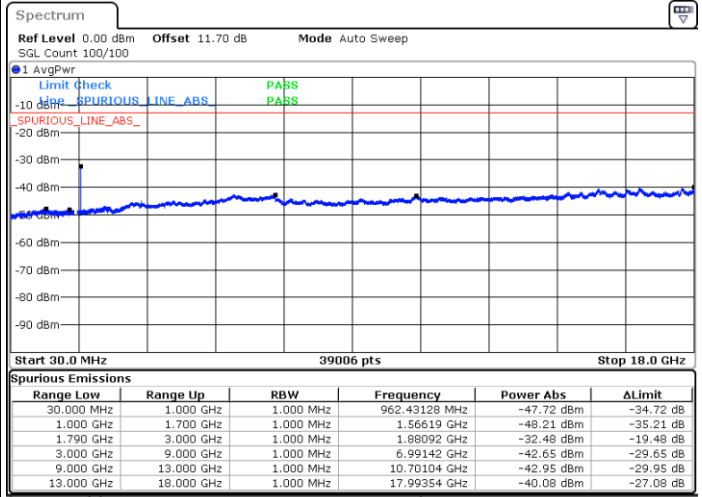
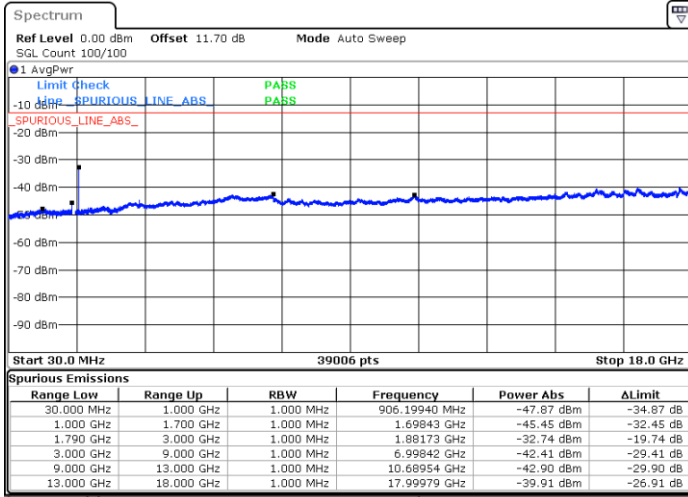
Date: 13.MAR.2020 03:50:27



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

Lowest Channel / 1RB1

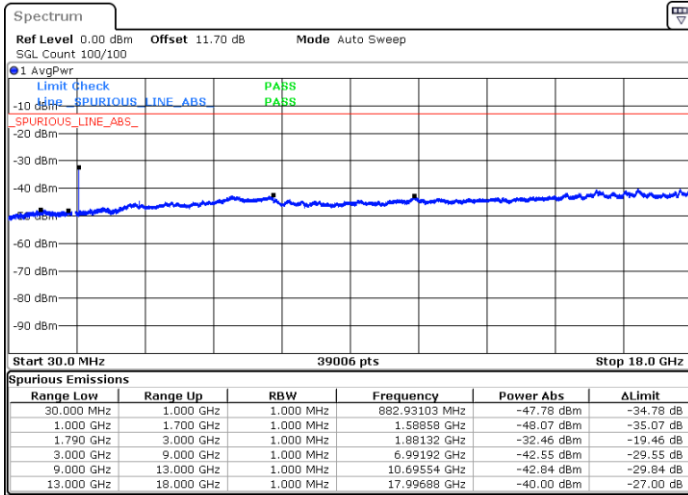
Middle Channel / 1RB1



Date: 13.MAR.2020 03:42:11

Date: 13.MAR.2020 03:48:44

Highest Channel / 1RB1



Date: 13.MAR.2020 03:51:13

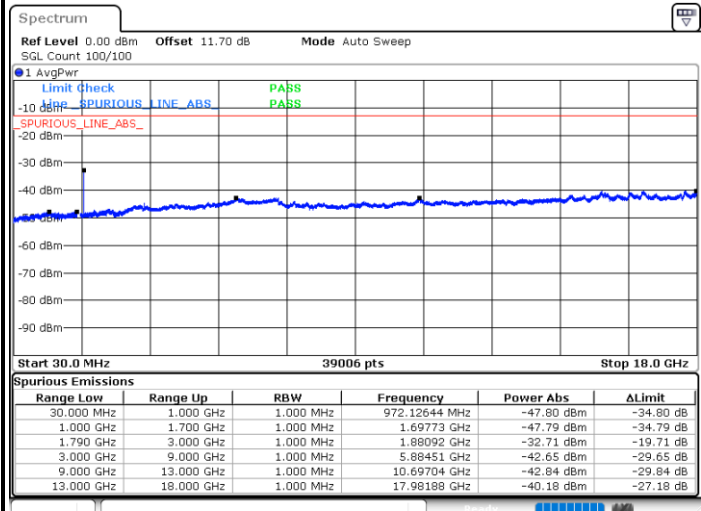




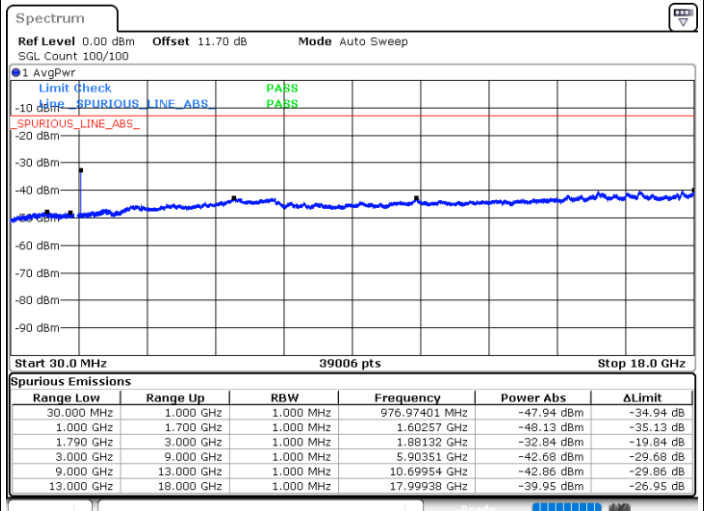
FR1 n66 / 10MHz / 16QAM / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

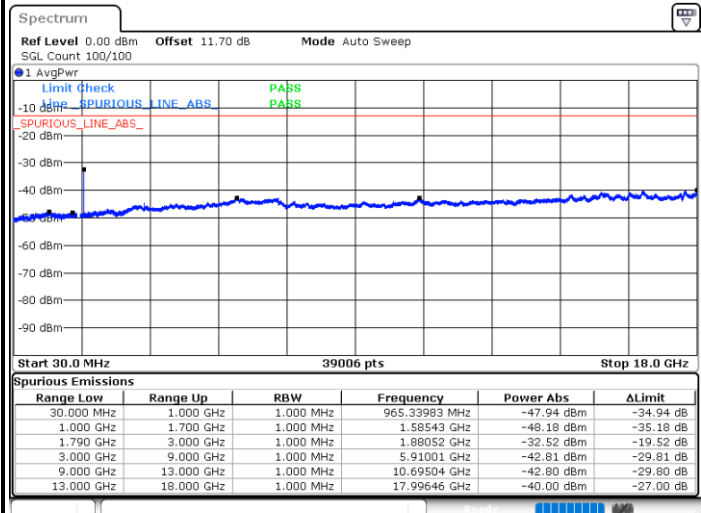


Date: 13.MAR.2020 03:42:56



Date: 13.MAR.2020 03:48:01

Highest Channel / 1RB1



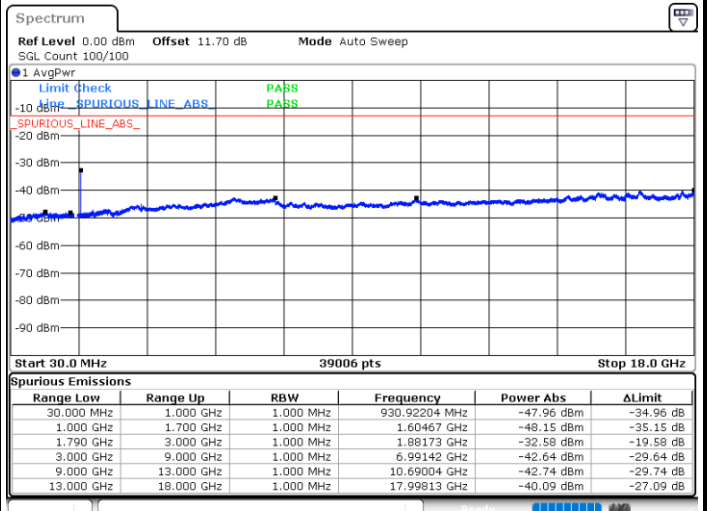
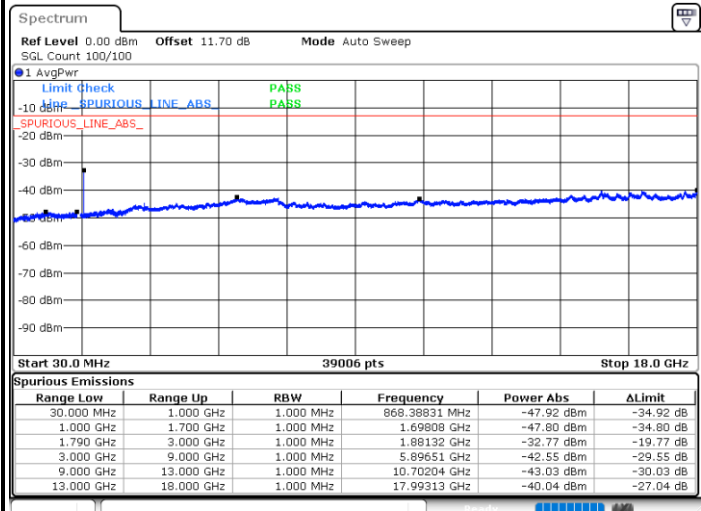
Date: 13.MAR.2020 03:52:00



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

Lowest Channel / 1RB1

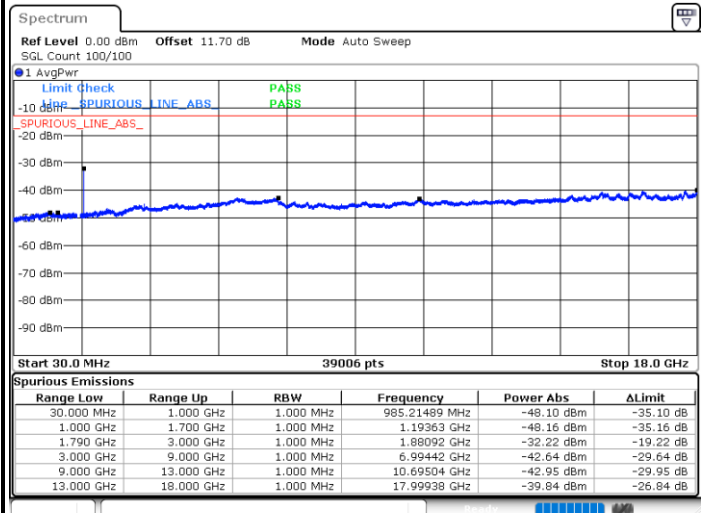
Middle Channel / 1RB1



Date: 13.MAR.2020 03:44:17

Date: 13.MAR.2020 03:47:19

Highest Channel / 1RB1



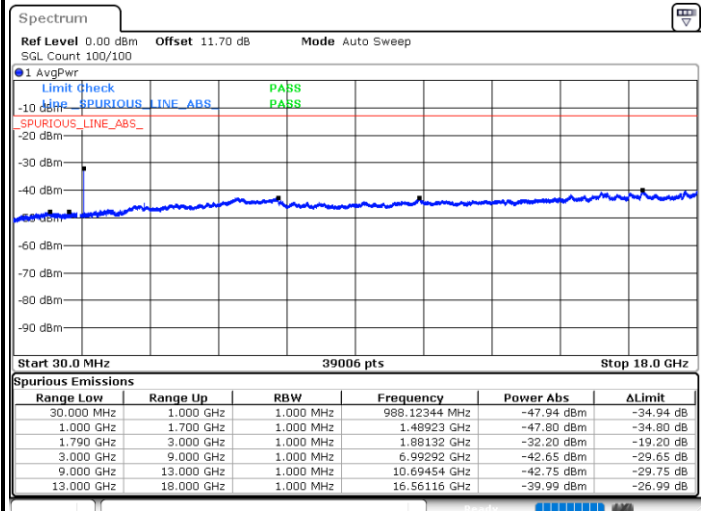
Date: 13.MAR.2020 03:52:43



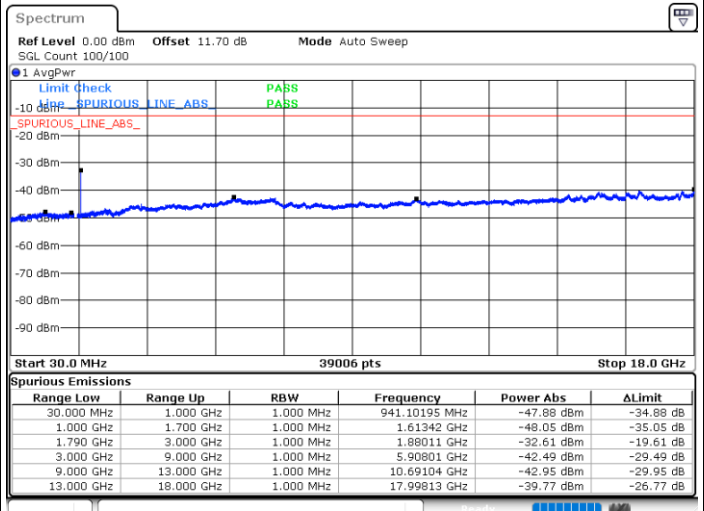
FR1 n66 / 10MHz / 256QAM / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

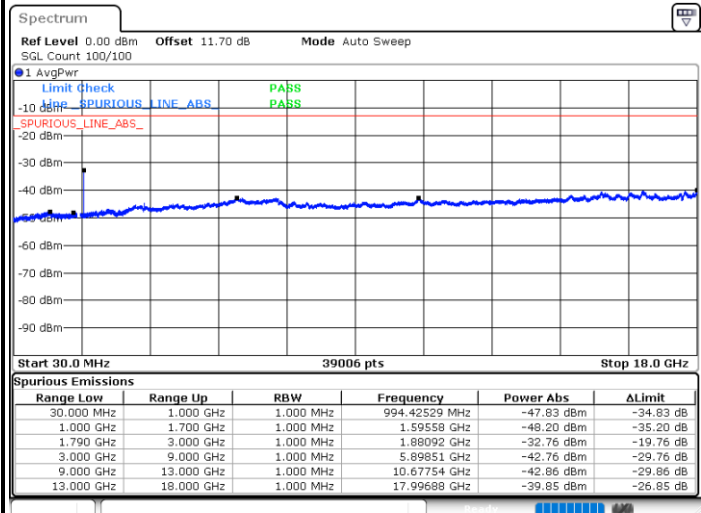


Date: 13.MAR.2020 03:45:36



Date: 13.MAR.2020 03:46:33

Highest Channel / 1RB1



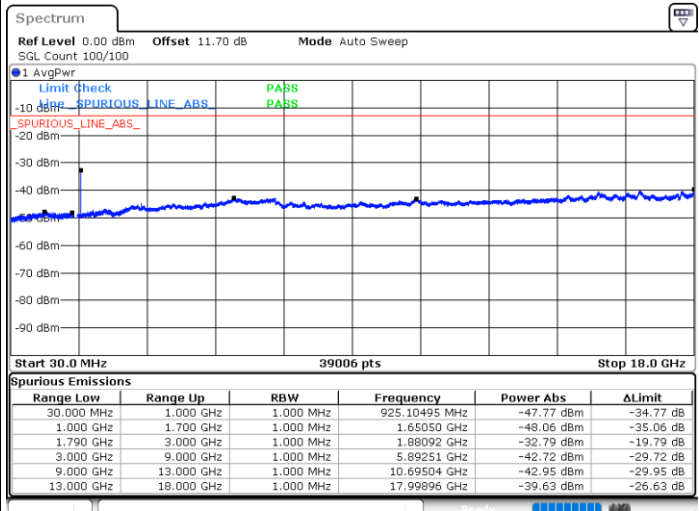
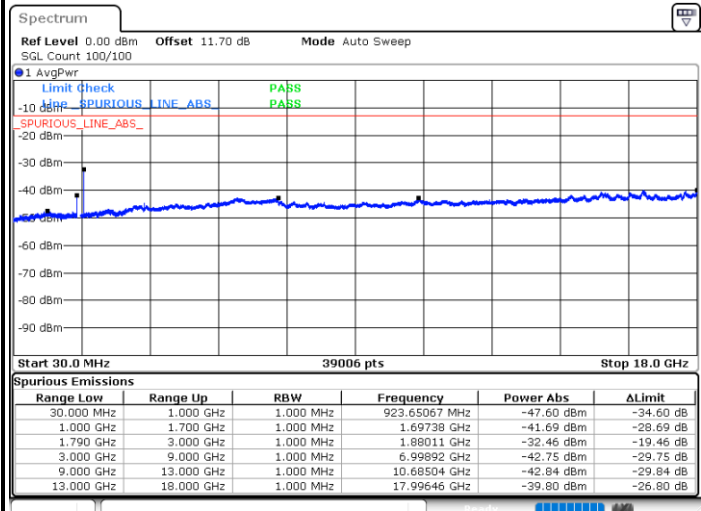
Date: 13.MAR.2020 03:53:27



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

Lowest Channel / 1RB1

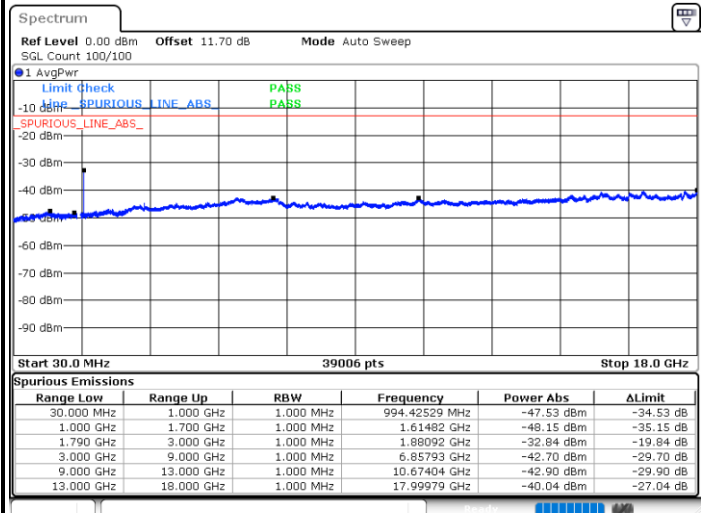
Middle Channel / 1RB1



Date: 13.MAR.2020 04:07:35

Date: 13.MAR.2020 04:16:21

Highest Channel / 1RB1



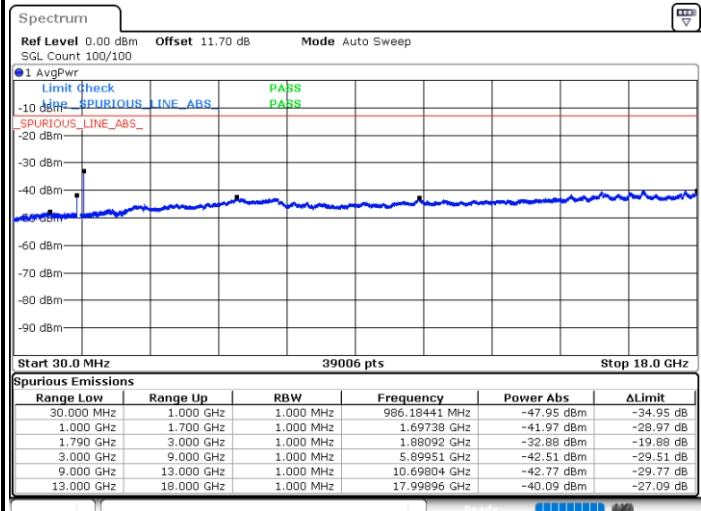
Date: 13.MAR.2020 04:25:58



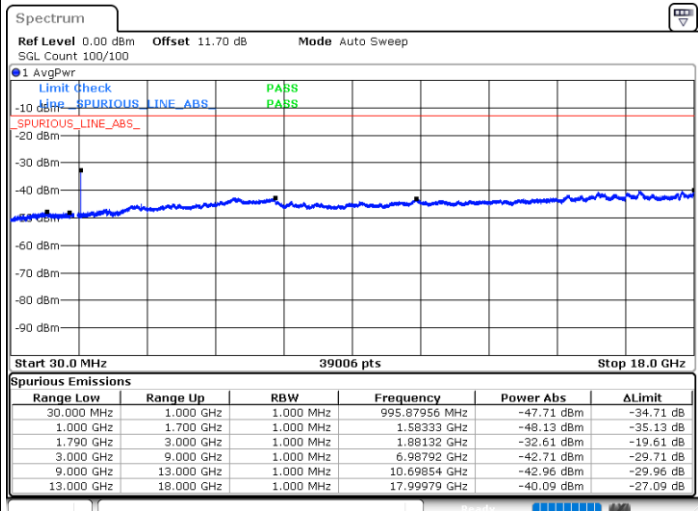
FR1 n66 / 15MHz / QPSK / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

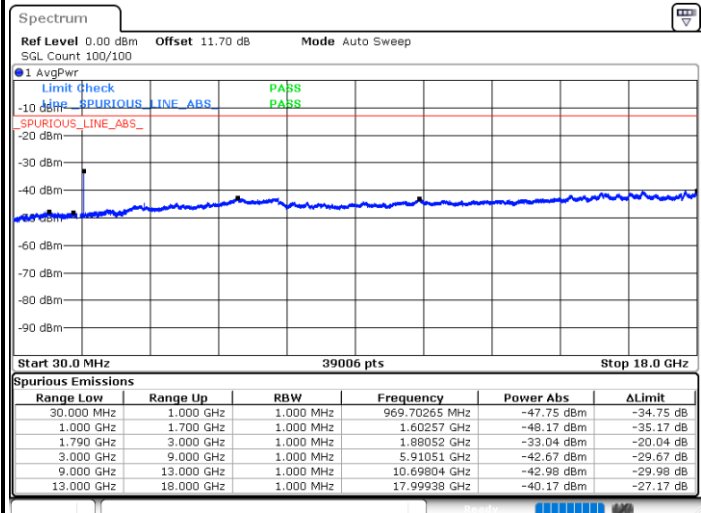


Date: 13.MAR.2020 04:08:22



Date: 13.MAR.2020 04:15:03

Highest Channel / 1RB1



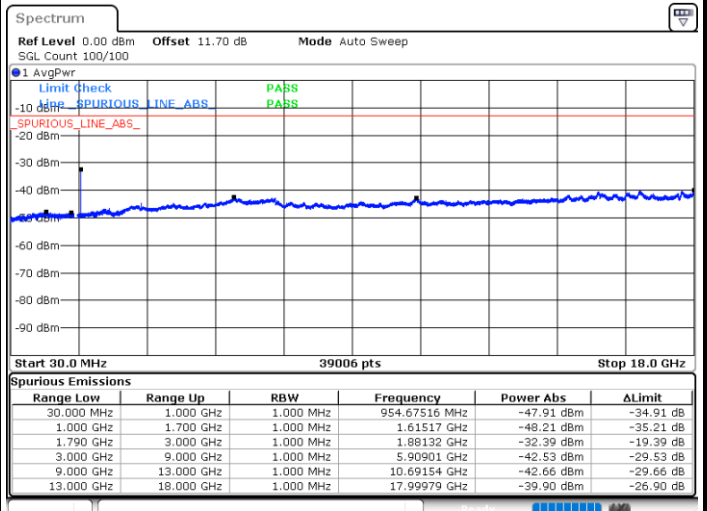
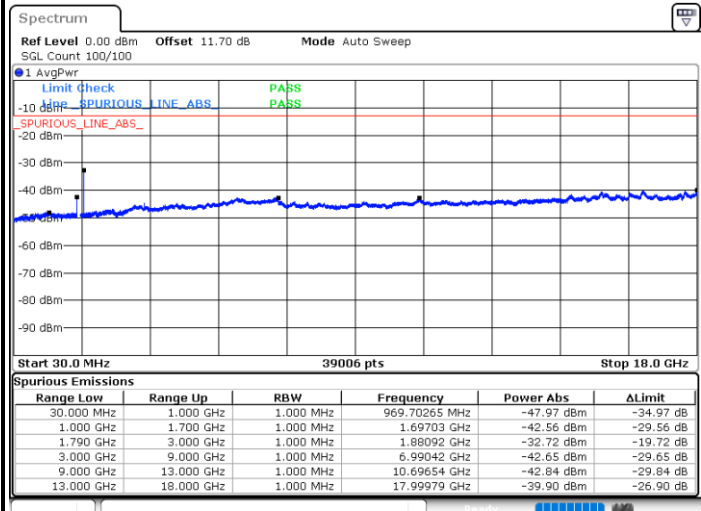
Date: 13.MAR.2020 04:26:45



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

Lowest Channel / 1RB1

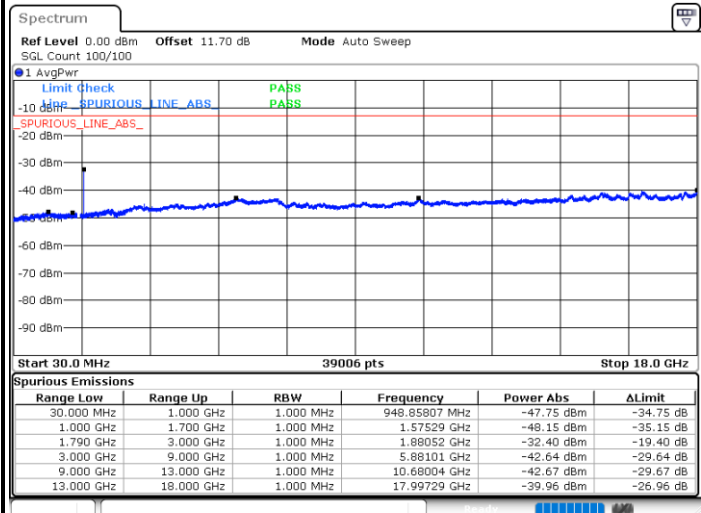
Middle Channel / 1RB1



Date: 13.MAR.2020 04:09:38

Date: 13.MAR.2020 04:14:19

Highest Channel / 1RB1



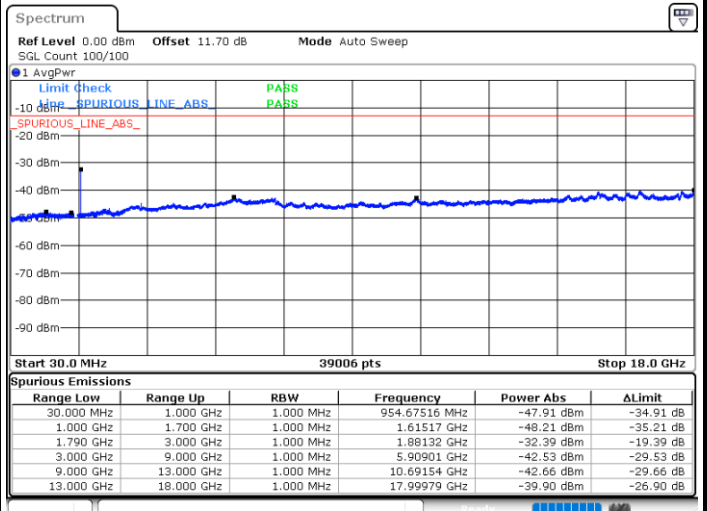
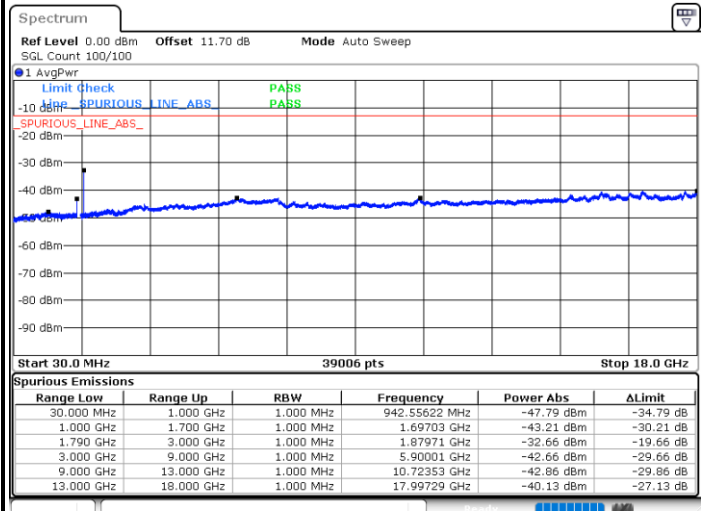
Date: 13.MAR.2020 04:27:31



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

Lowest Channel / 1RB1

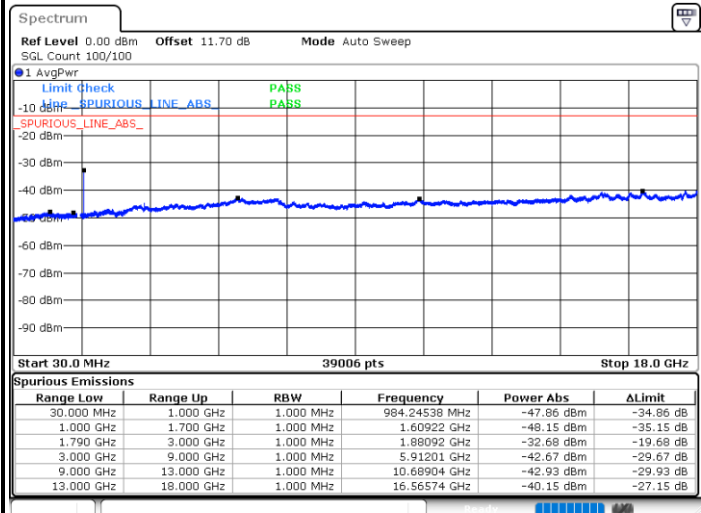
Middle Channel / 1RB1



Date: 13.MAR.2020 04:10:34

Date: 13.MAR.2020 04:14:19

Highest Channel / 1RB1



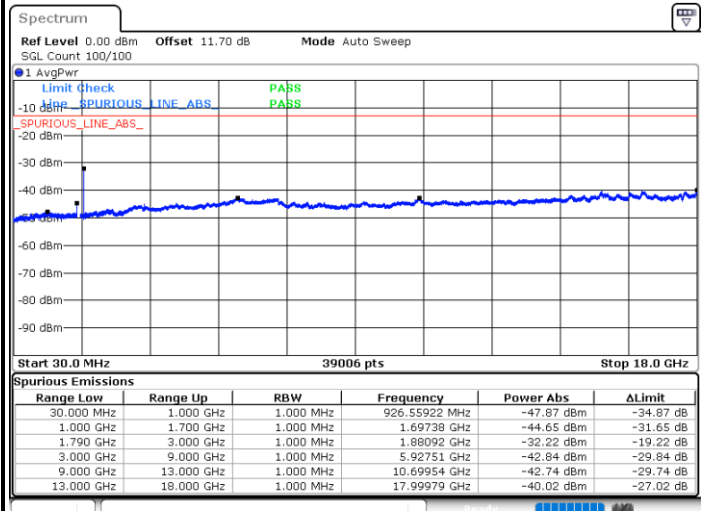
Date: 13.MAR.2020 04:28:15



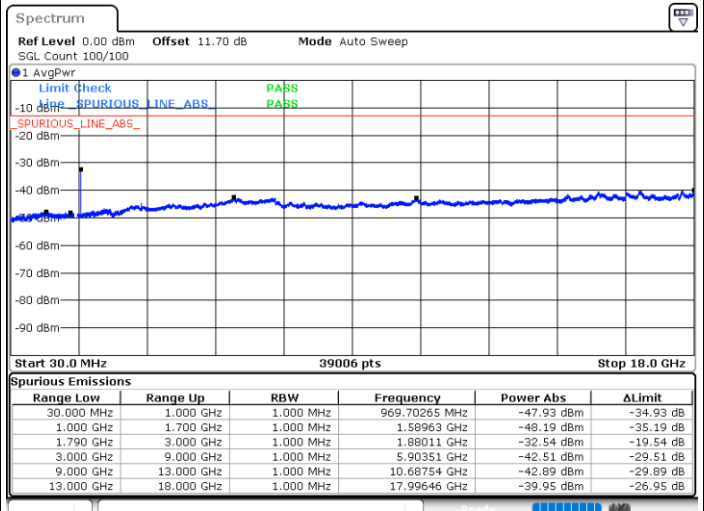
FR1 n66 / 15MHz / 256QAM / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

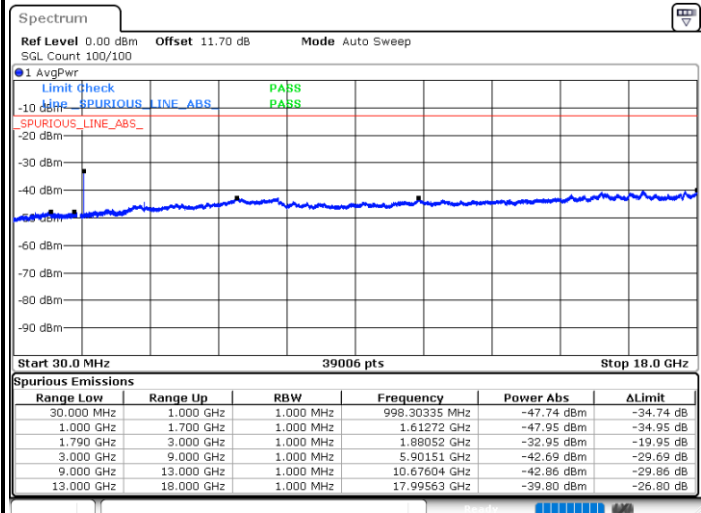


Date: 13.MAR.2020 04:11:36



Date: 13.MAR.2020 04:12:43

Highest Channel / 1RB1



Date: 13.MAR.2020 04:29:03

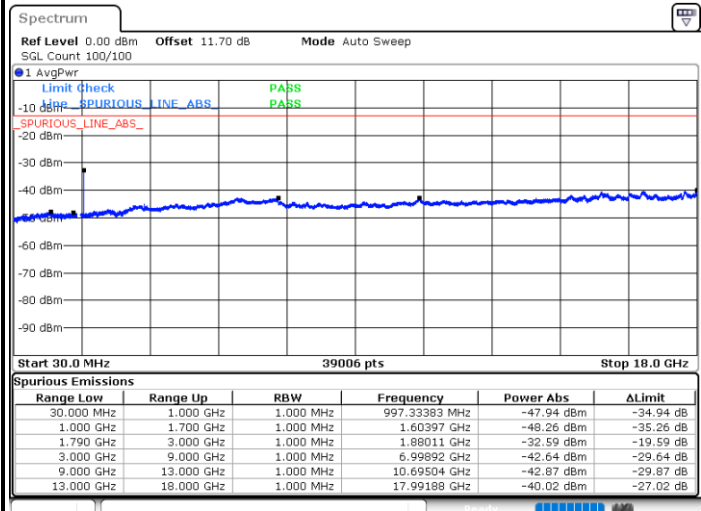




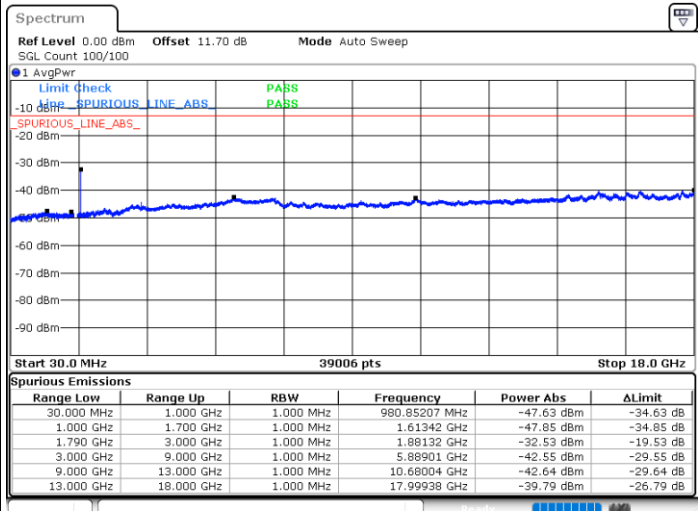
FR1 n66 / 20MHz / PI/2 BPSK / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

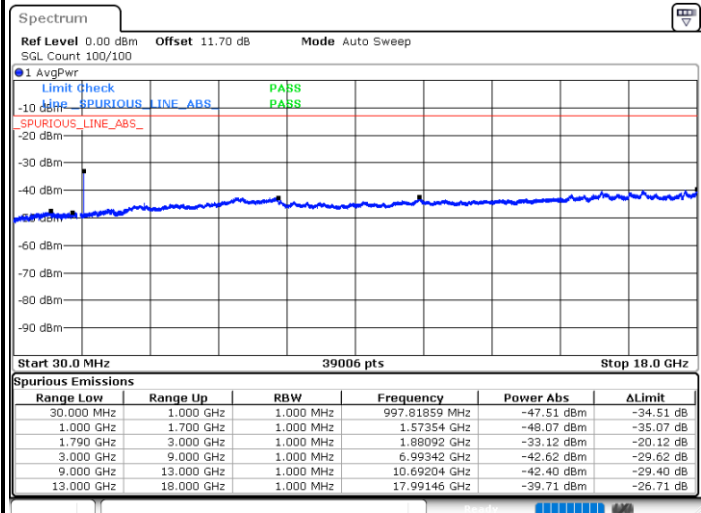


Date: 13.MAR.2020 04:42:10



Date: 13.MAR.2020 06:55:46

Highest Channel / 1RB1



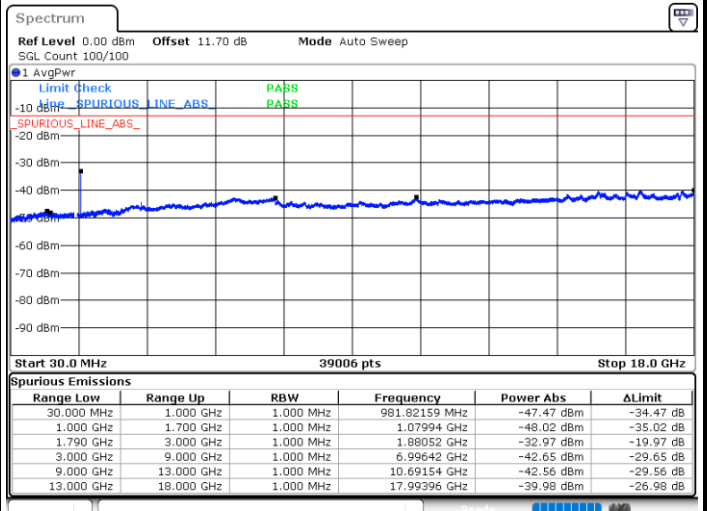
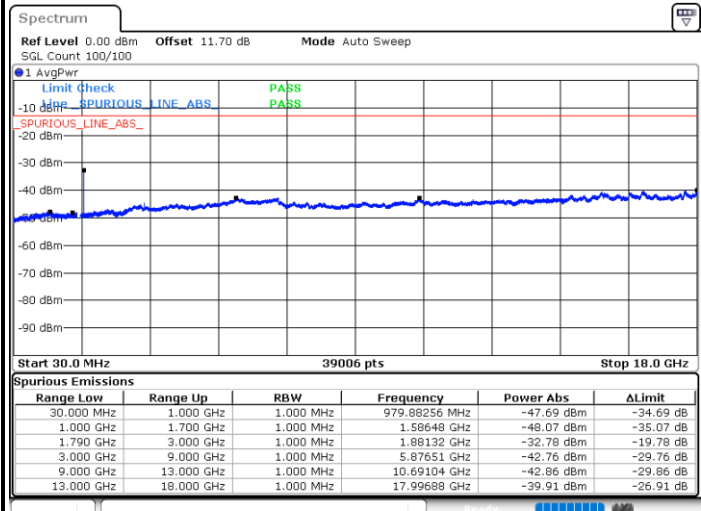
Date: 13.MAR.2020 06:56:44



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

Lowest Channel / 1RB1

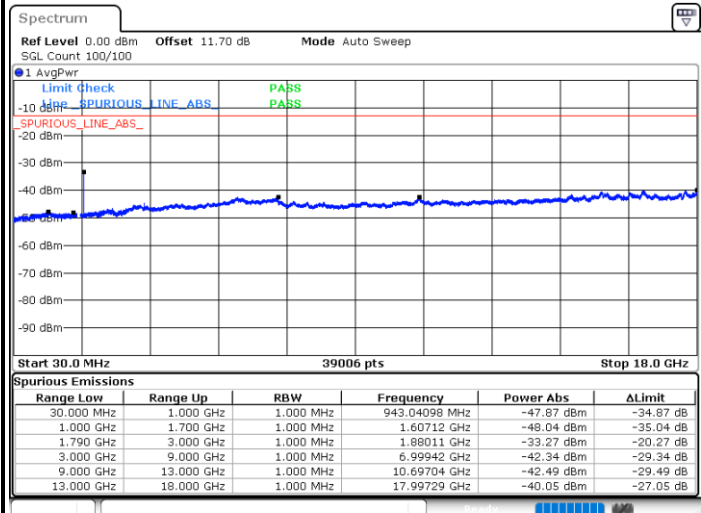
Middle Channel / 1RB1



Date: 13.MAR.2020 04:42:56

Date: 13.MAR.2020 06:54:56

Highest Channel / 1RB1



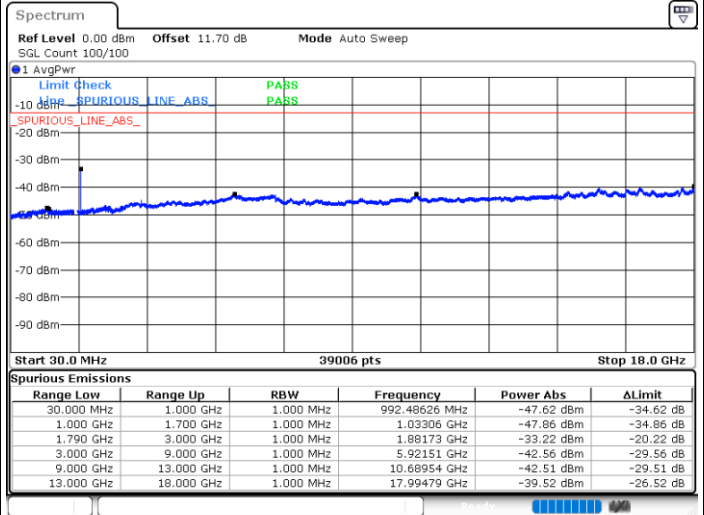
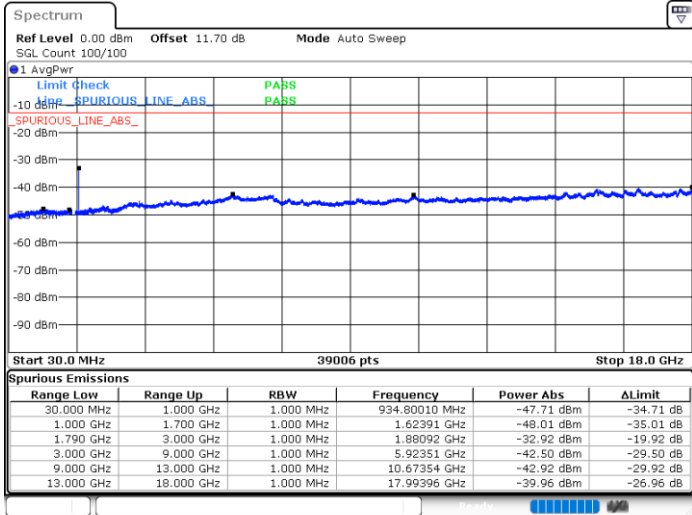
Date: 13.MAR.2020 06:57:30



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

Lowest Channel / 1RB1

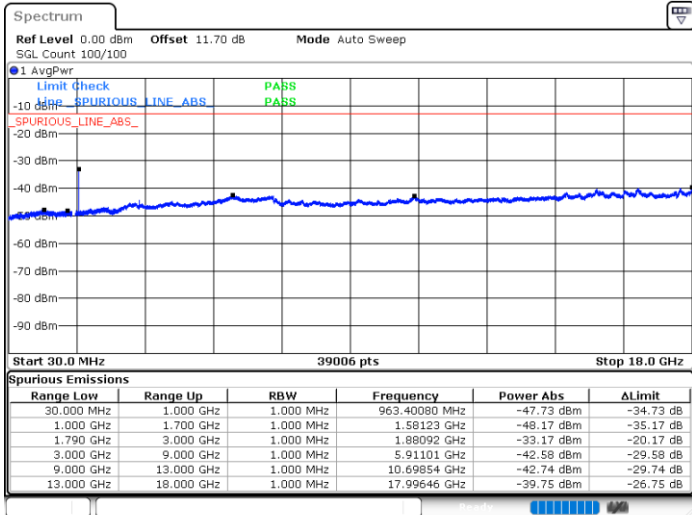
Middle Channel / 1RB1



Date: 13.MAR.2020 04:44:14

Date: 13.MAR.2020 06:54:06

Highest Channel / 1RB1



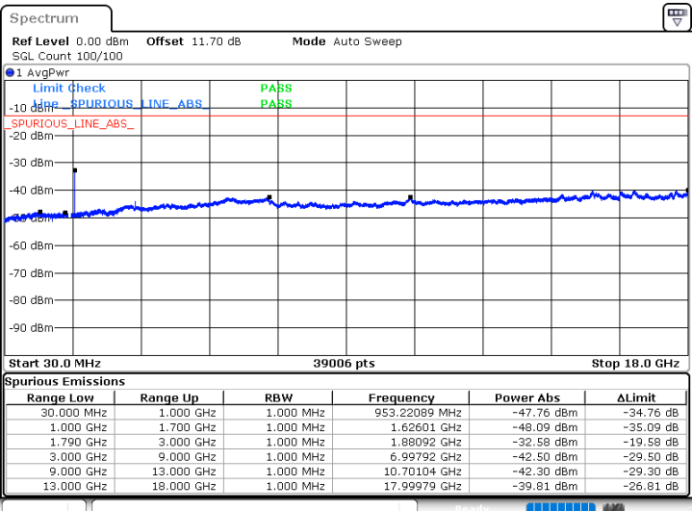
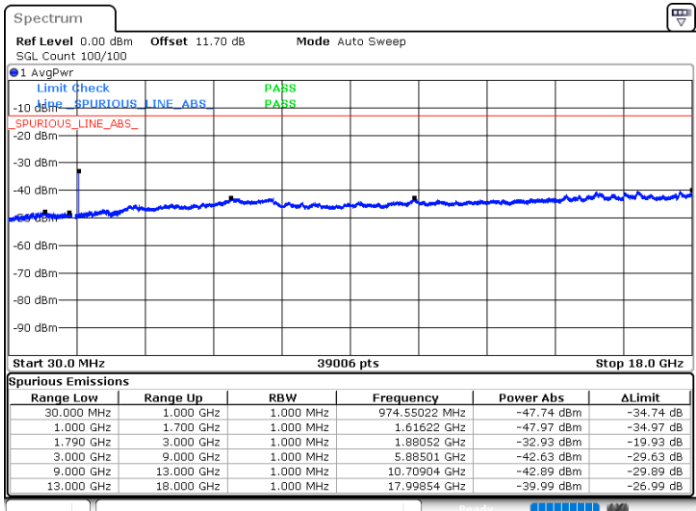
Date: 13.MAR.2020 06:58:17



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

Lowest Channel / 1RB1

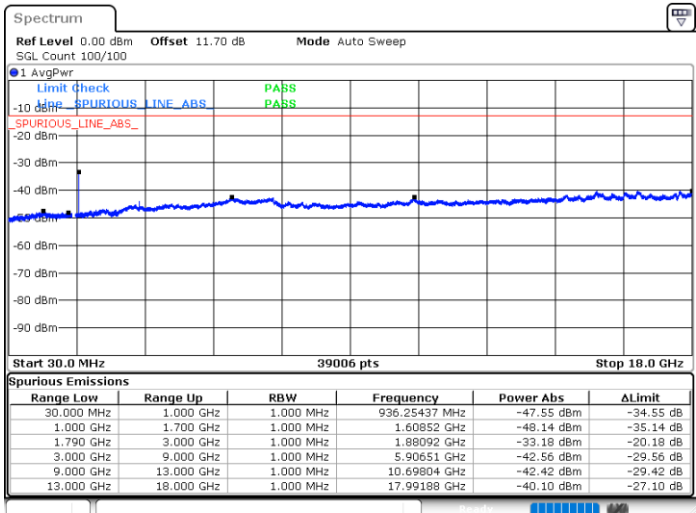
Middle Channel / 1RB1



Date: 13.MAR.2020 04:45:08

Date: 13.MAR.2020 06:53:14

Highest Channel / 1RB1



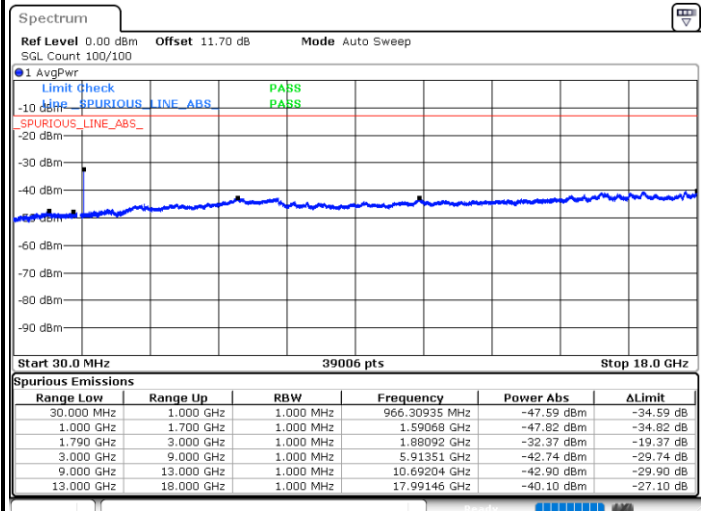
Date: 13.MAR.2020 06:59:02



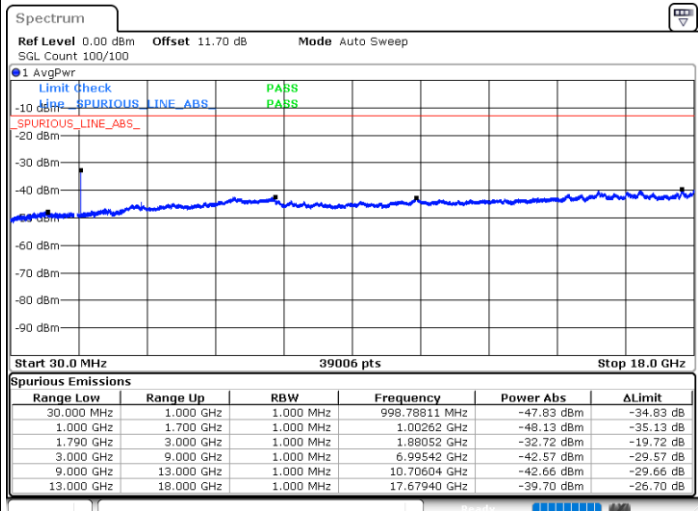
FR1 n66 / 20MHz / 256QAM / DFT-S OFDM

Lowest Channel / 1RB1

Middle Channel / 1RB1

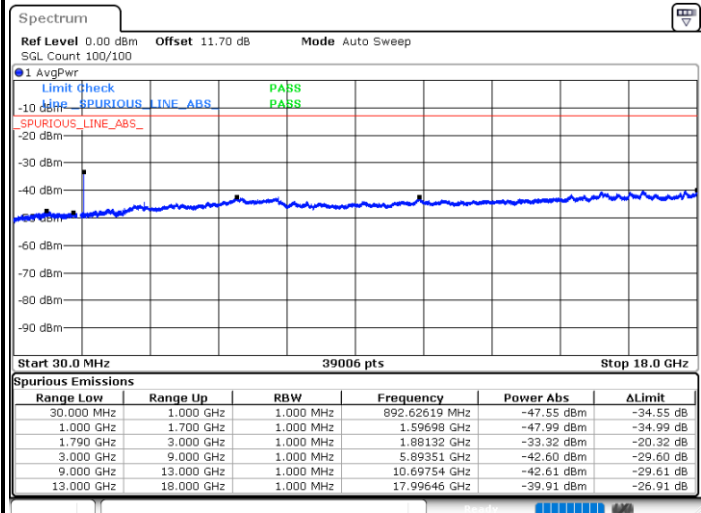


Date: 13.MAR.2020 04:46:06



Date: 13.MAR.2020 06:52:15

Highest Channel / 1RB1



Date: 13.MAR.2020 06:59:47



Frequency Stability

Test Conditions		FR1 n66 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0002	

Note:

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



# FR1 n71

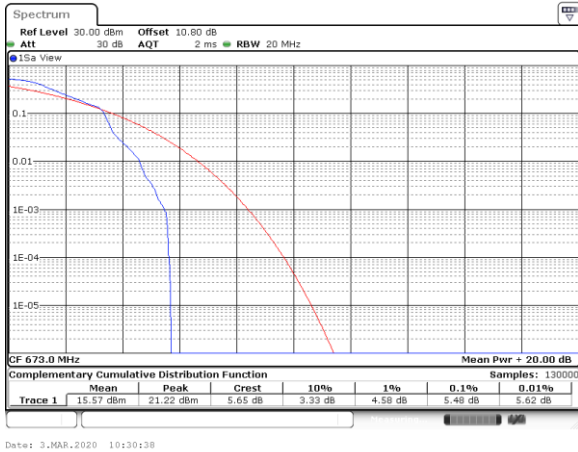
## Peak-to-Average Ratio

Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK		QPSK		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.48	4.72	5.22	5.42	PASS
Middle CH	5.04	4.49	4.84	5.25	
Highest CH	5.10	4.52	4.93	5.33	
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	16QAM		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	6.12	6.46	6.96	6.93	PASS
Middle CH	5.74	6.38	6.52	6.93	
Highest CH	5.74	6.46	6.55	6.81	
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM		-		Limit: 13dB
RB Size	1RB	Full RB	-	-	Result
Lowest CH	7.51	7.42	-	-	PASS
Middle CH	7.54	7.36	-	-	
Highest CH	7.42	7.39	-	-	



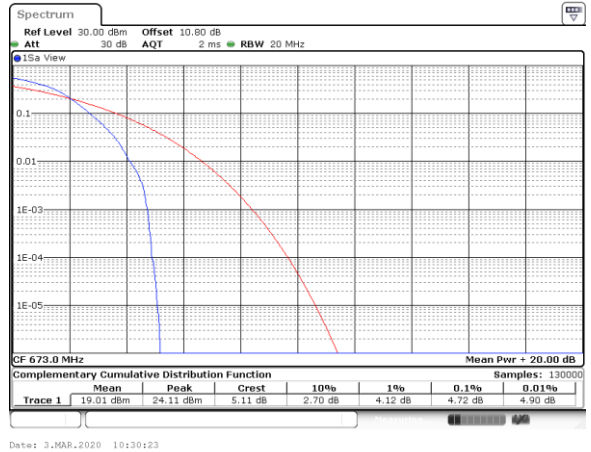
FR1 n71 / 20MHz / PI/2 BPSK / DFT-S OFDM

Lowest Channel / 1RB



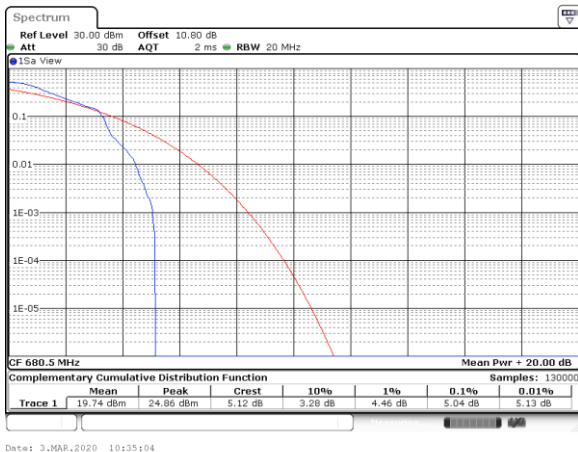
Date: 3.MAR.2020 10:30:38

Lowest Channel / Full RB



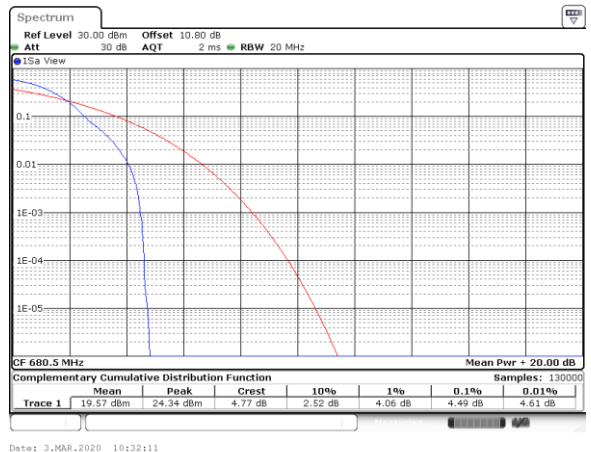
Date: 3.MAR.2020 10:30:23

Middle Channel / 1RB



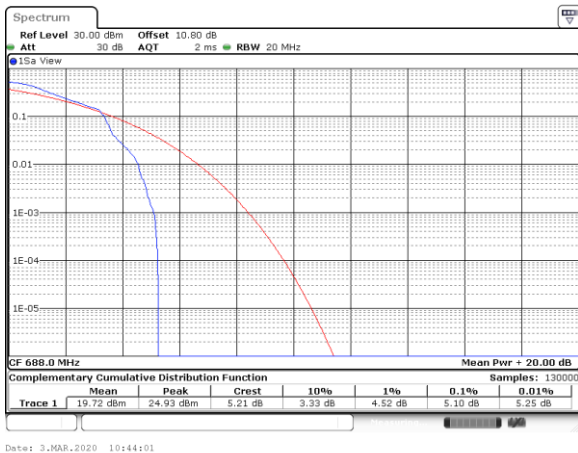
Date: 3.MAR.2020 10:35:04

Middle Channel / Full RB



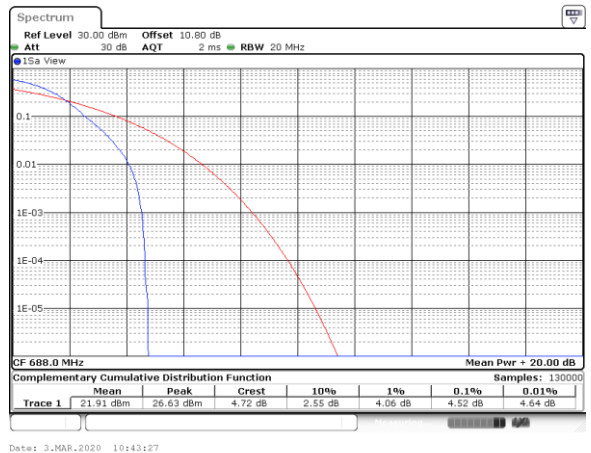
Date: 3.MAR.2020 10:32:11

Highest Channel / 1RB



Date: 3.MAR.2020 10:44:01

Highest Channel / Full RB



Date: 3.MAR.2020 10:43:27