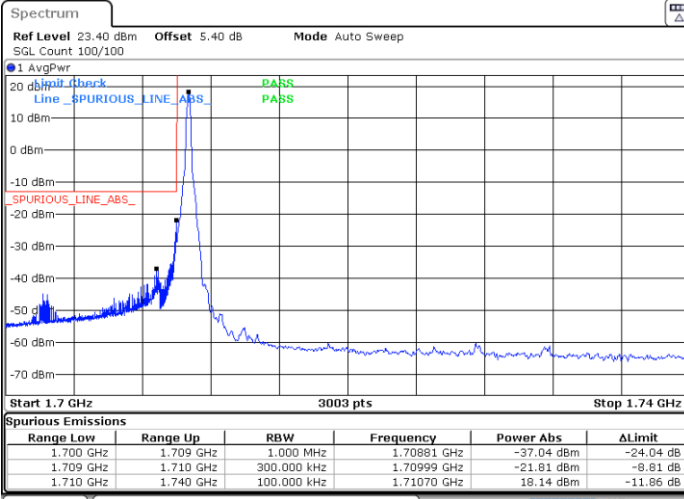




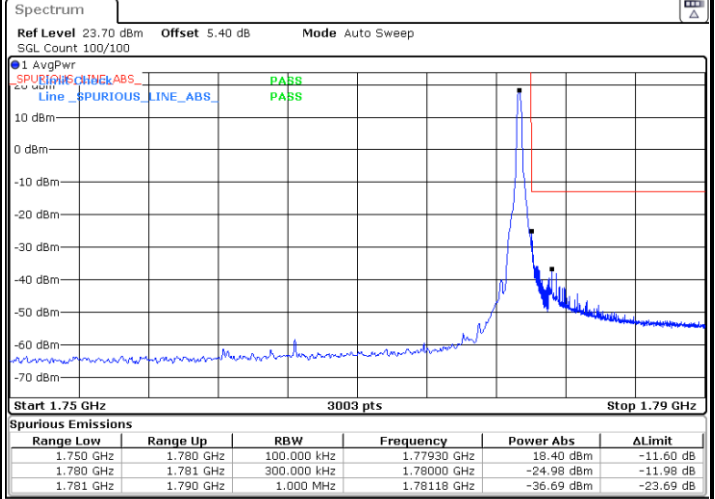
FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



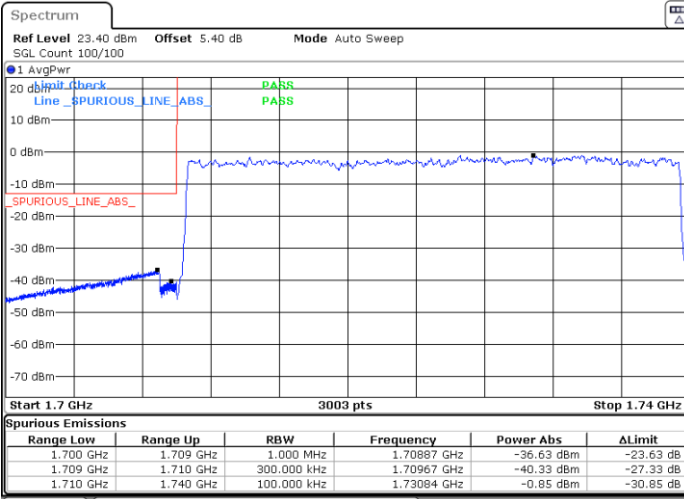
Date: 16.MAR.2022 01:25:58



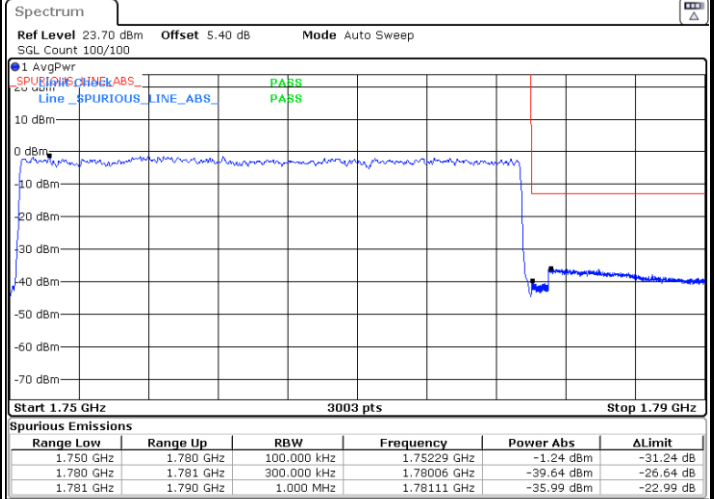
Date: 16.MAR.2022 01:32:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:23:49



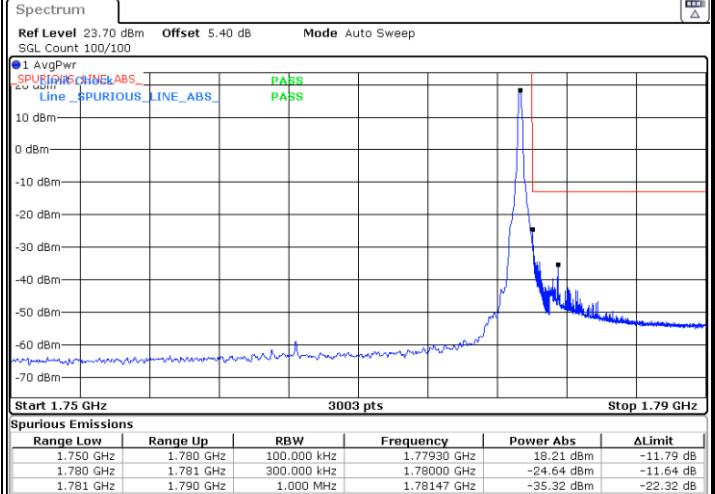
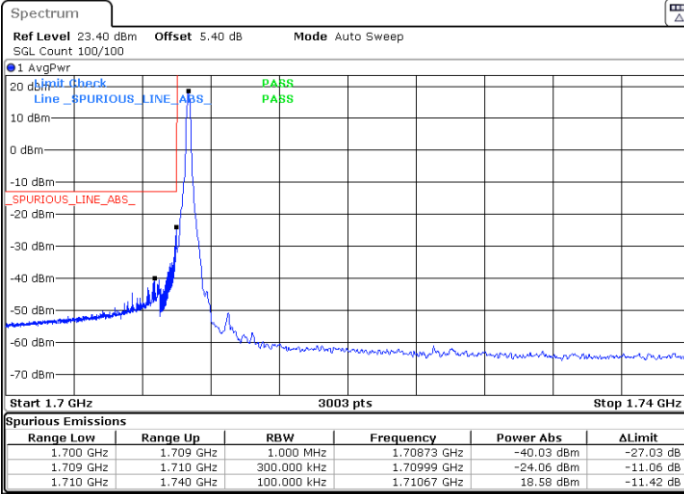
Date: 16.MAR.2022 01:30:32



FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

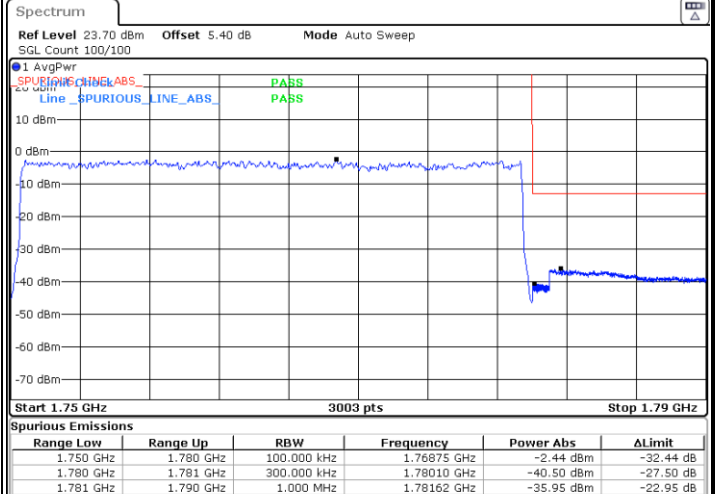
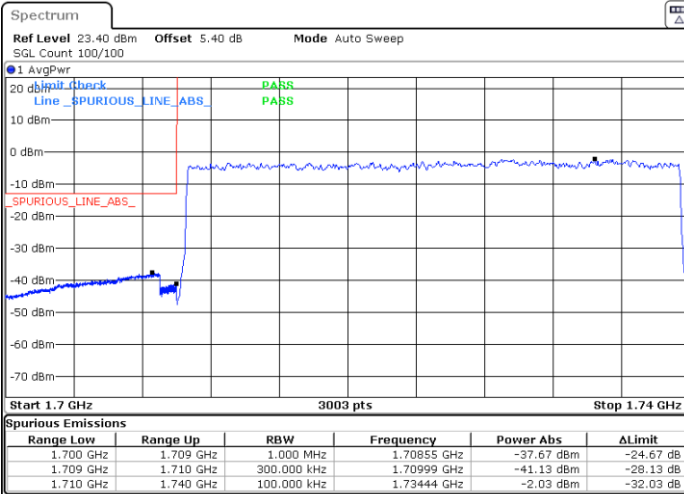


Date: 16.MAR.2022 01:25:41

Date: 16.MAR.2022 01:32:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:24:10

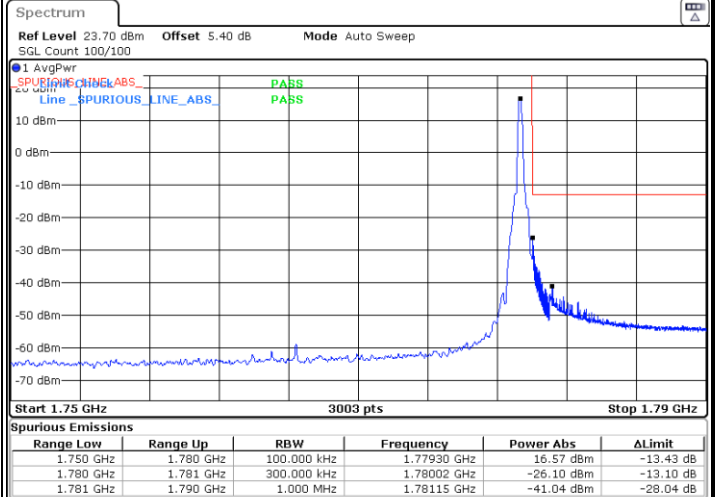
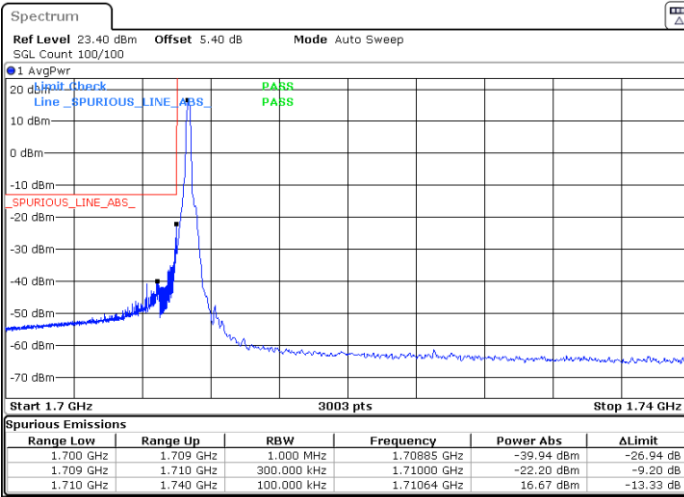
Date: 16.MAR.2022 01:30:48



FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

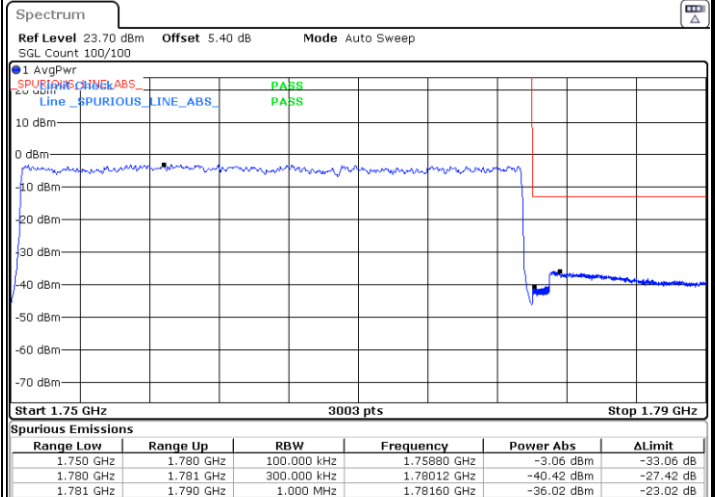
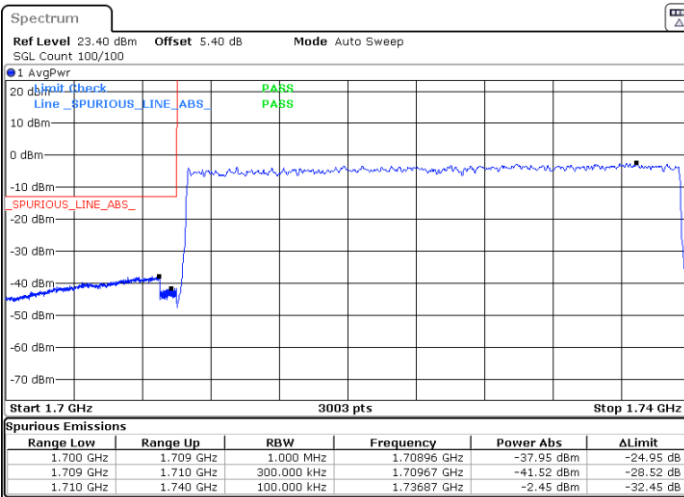


Date: 16.MAR.2022 01:25:24

Date: 16.MAR.2022 01:32:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:24:29

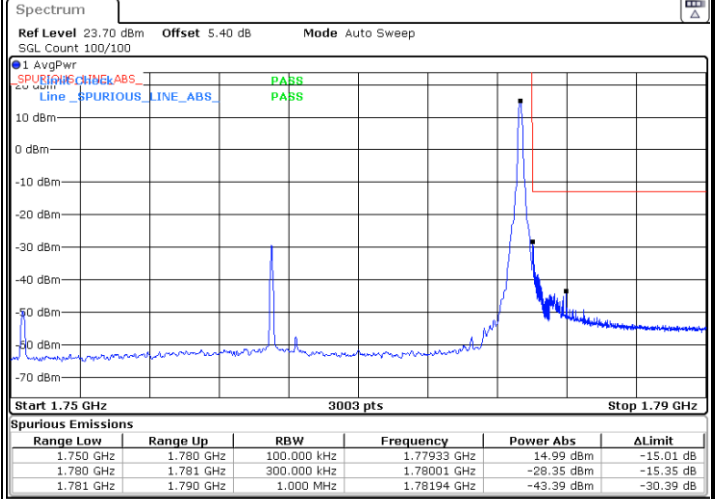
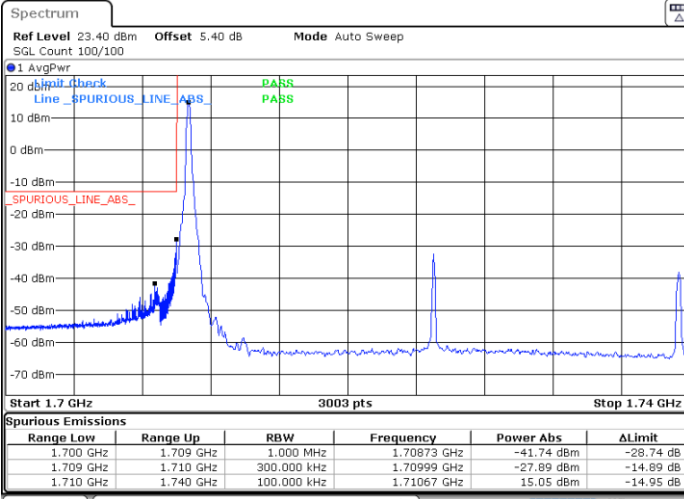
Date: 16.MAR.2022 01:31:05



FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

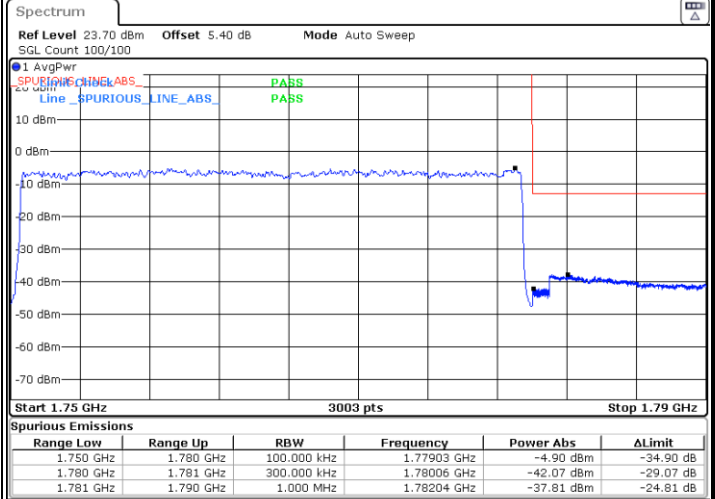
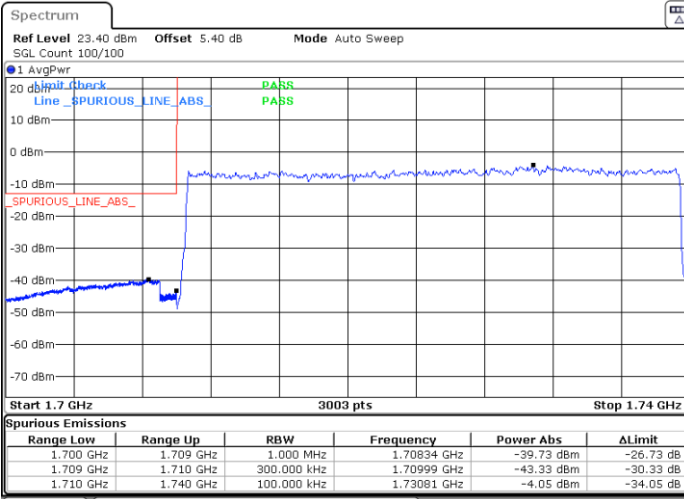


Date: 16.MAR.2022 01:25:08

Date: 16.MAR.2022 01:31:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:24:49

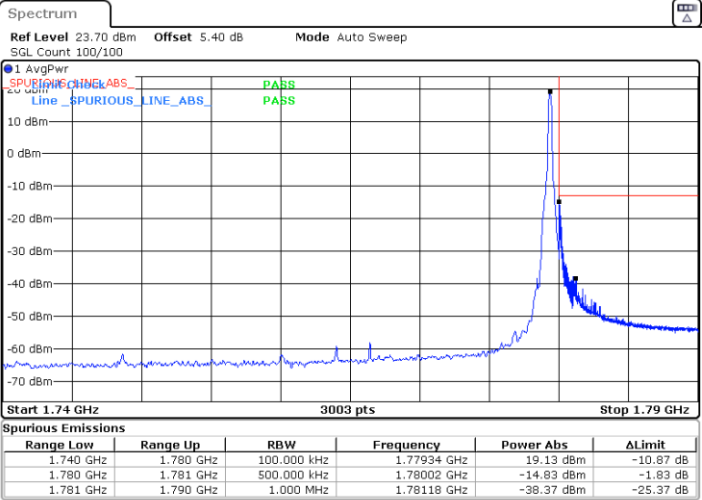
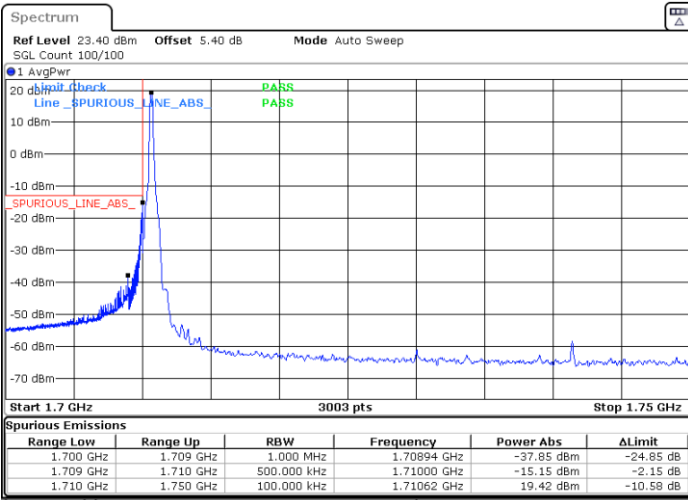
Date: 16.MAR.2022 01:31:26



FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

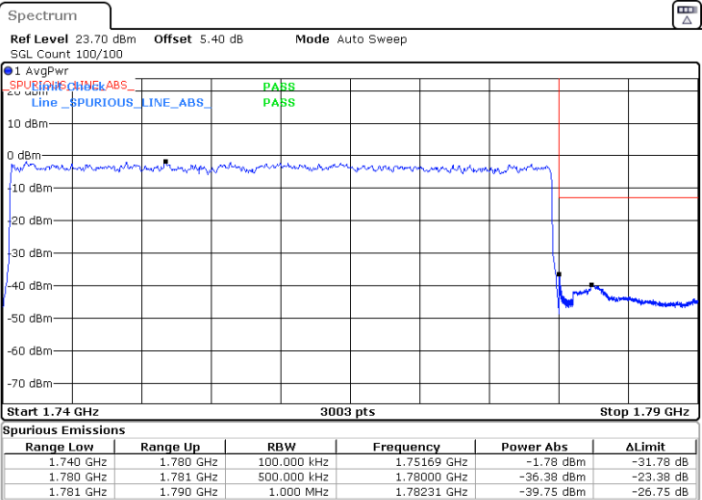
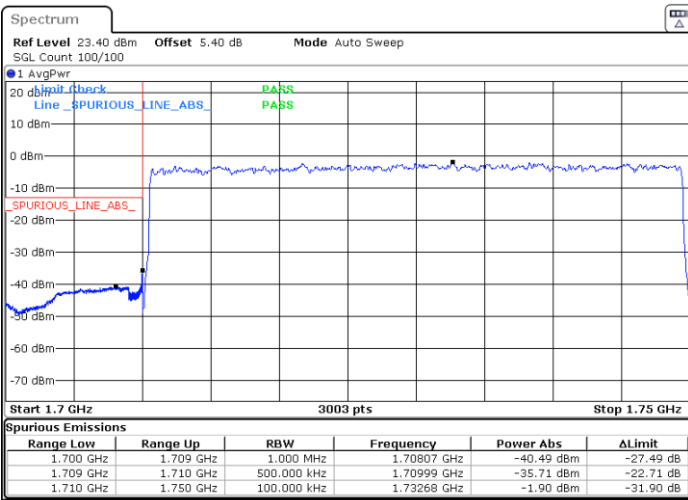


Date: 16.MAR.2022 01:36:57

Date: 16.MAR.2022 01:43:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:33:44

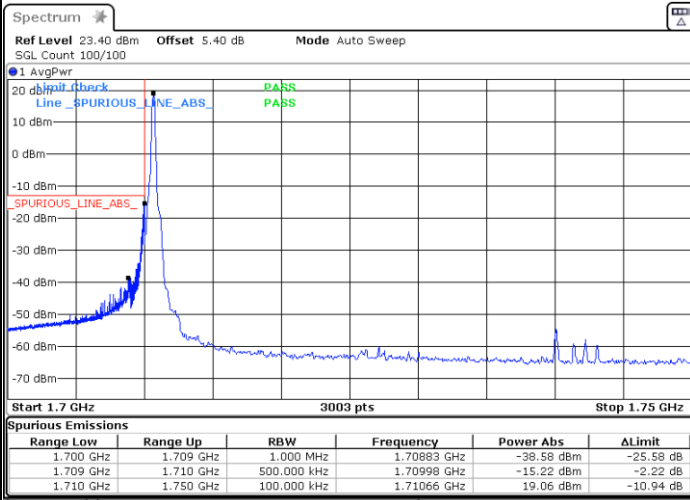
Date: 16.MAR.2022 01:40:10



FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



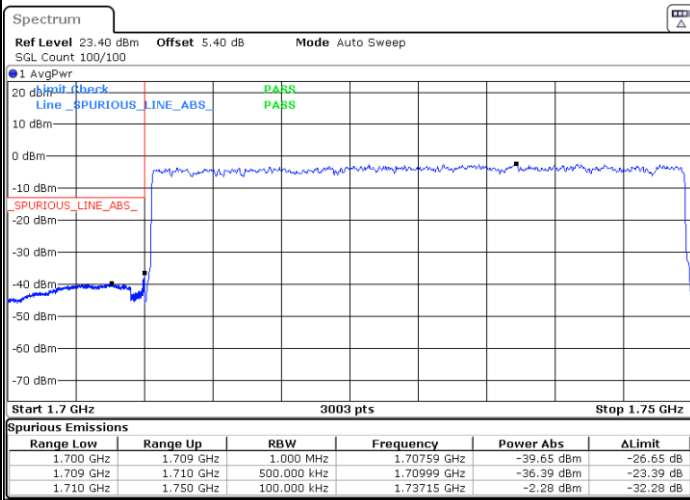
Date: 16.MAR.2022 01:36:34



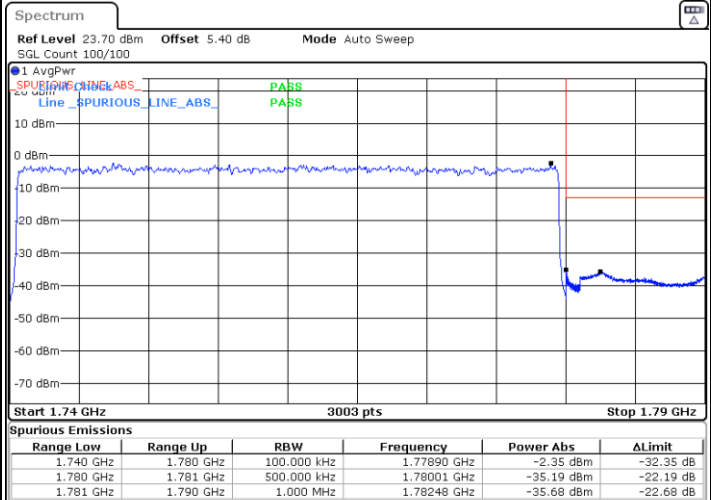
Date: 16.MAR.2022 01:42:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:34:04



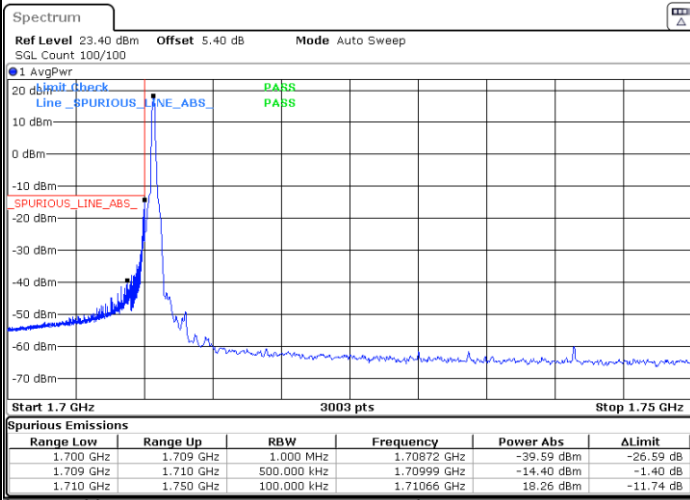
Date: 16.MAR.2022 01:40:28



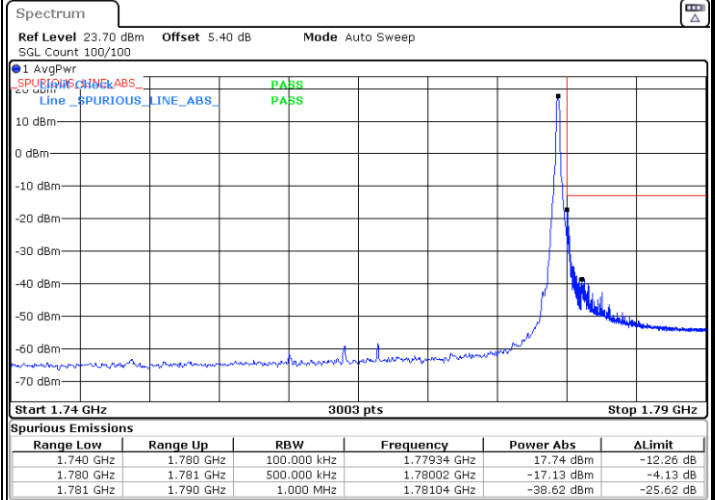
FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



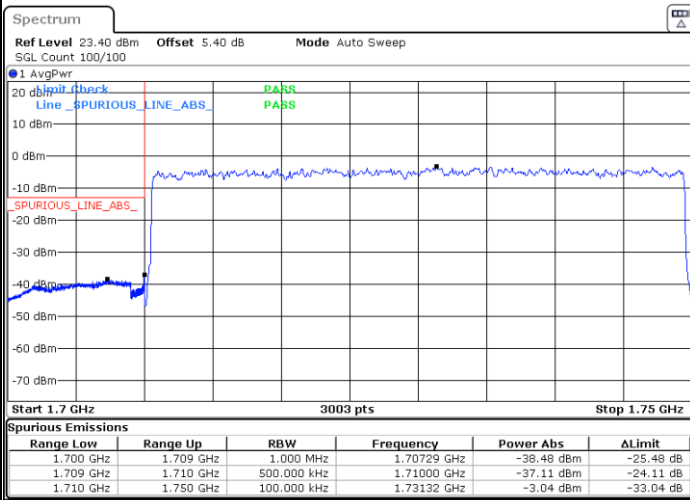
Date: 16.MAR.2022 01:36:05



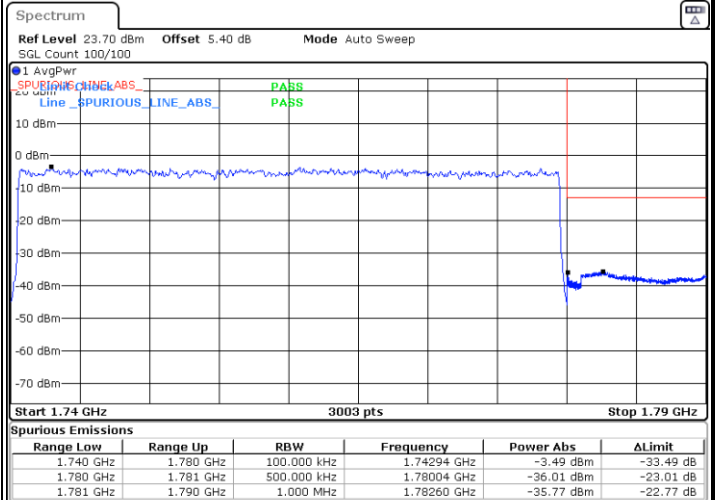
Date: 16.MAR.2022 01:42:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:34:24



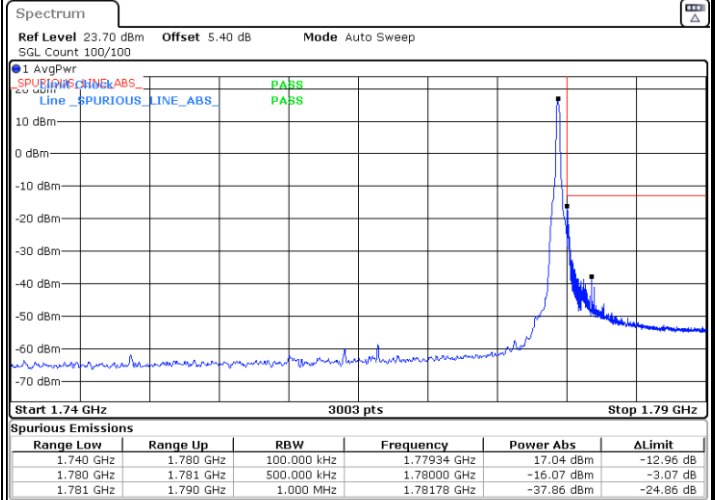
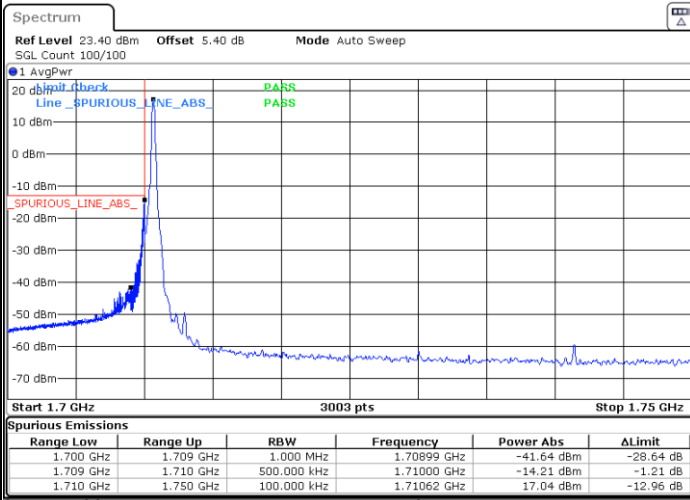
Date: 16.MAR.2022 01:40:46



FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

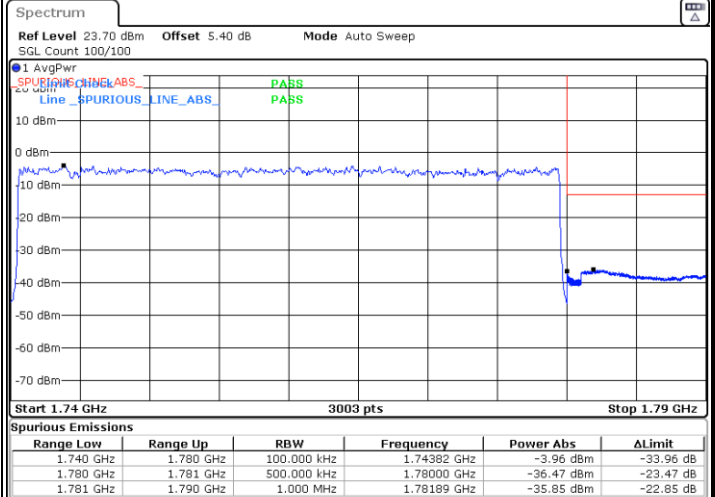
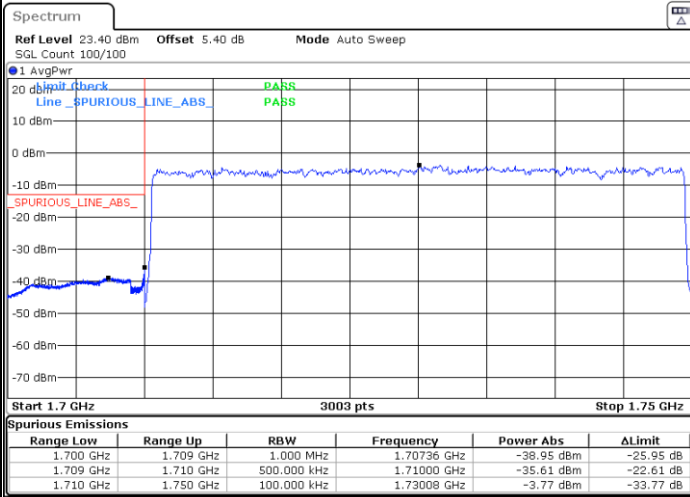


Date: 16.MAR.2022 01:35:47

Date: 16.MAR.2022 01:42:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:34:43

Date: 16.MAR.2022 01:41:06

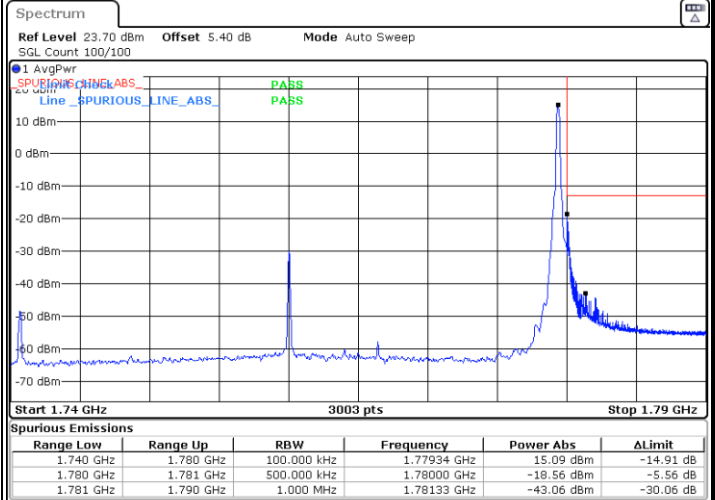
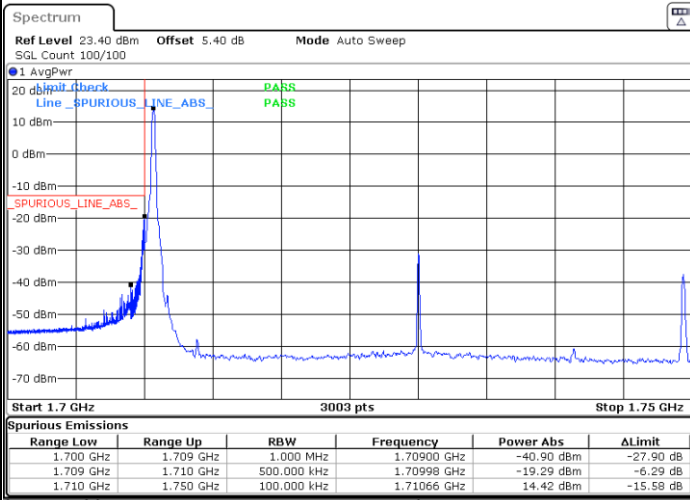




FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

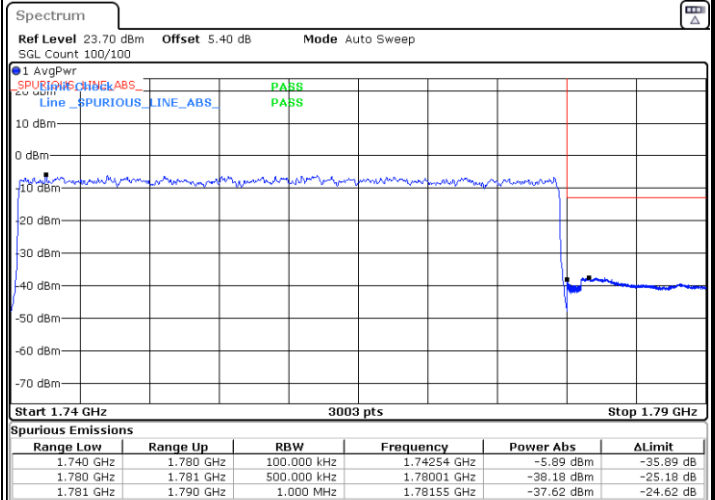
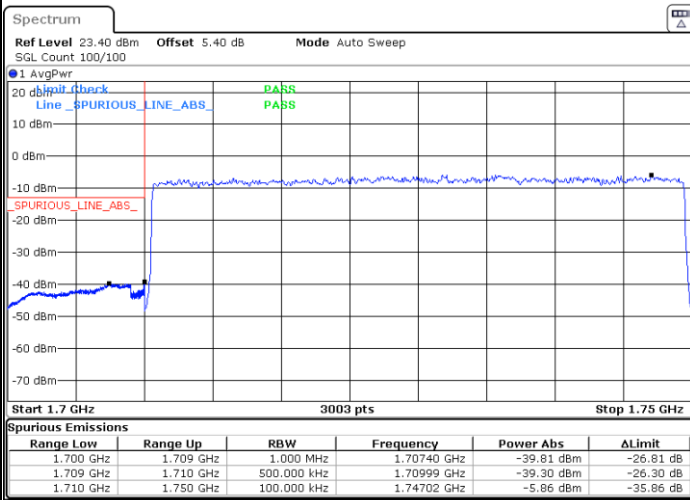


Date: 16.MAR.2022 01:35:28

Date: 16.MAR.2022 01:41:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.MAR.2022 01:35:05

Date: 16.MAR.2022 01:41:27

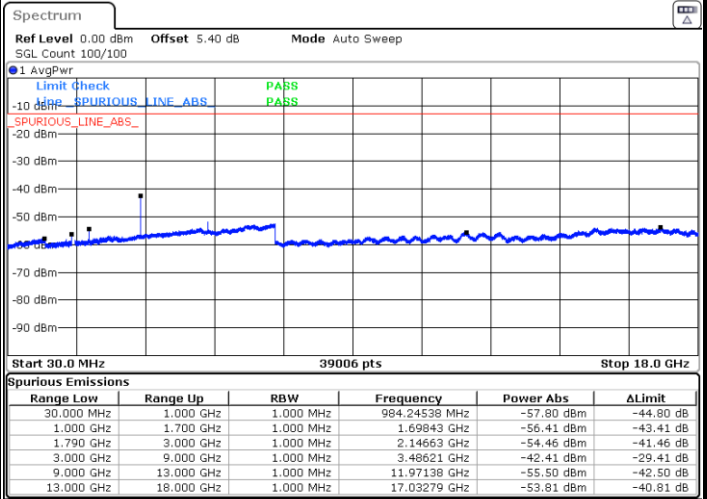
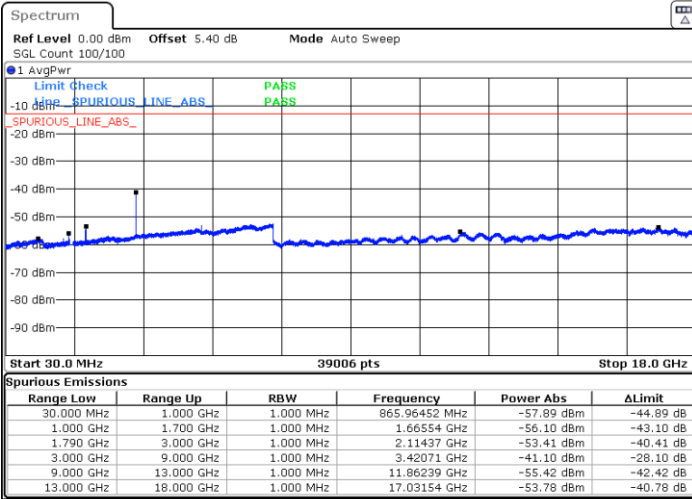


# Conducted Spurious Emission

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

Lowest Channel / 1RB1

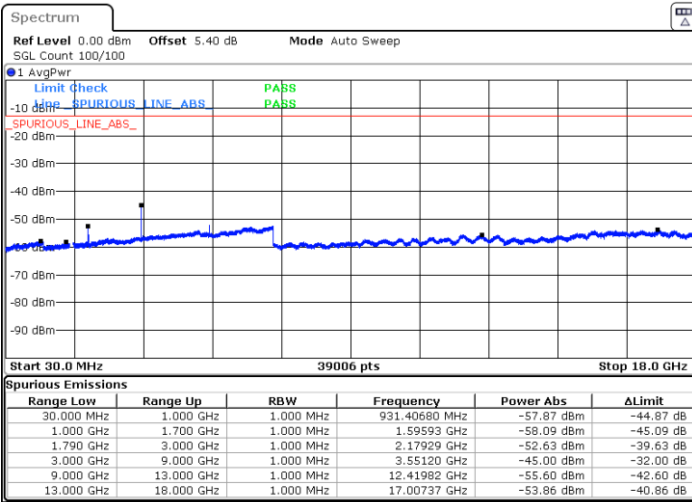
Middle Channel / 1RB1



Date: 15.MAR.2022 22:02:38

Date: 15.MAR.2022 22:04:51

Highest Channel / 1RB1



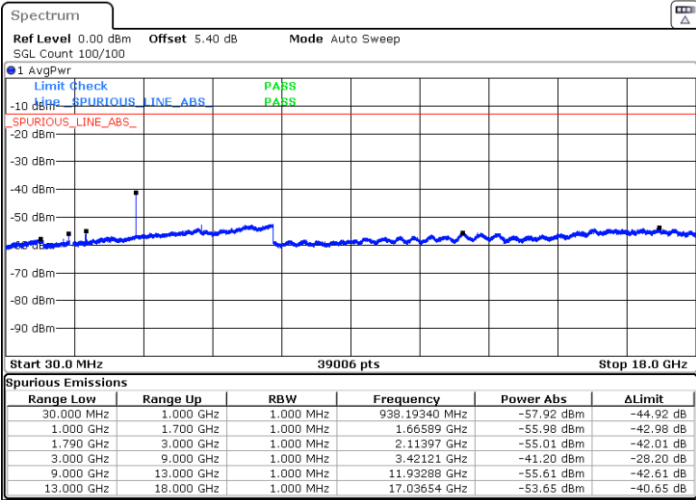
Date: 15.MAR.2022 22:09:11



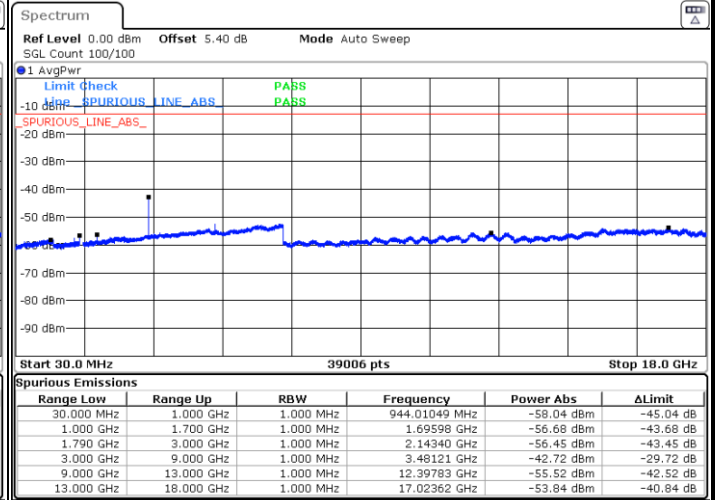
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

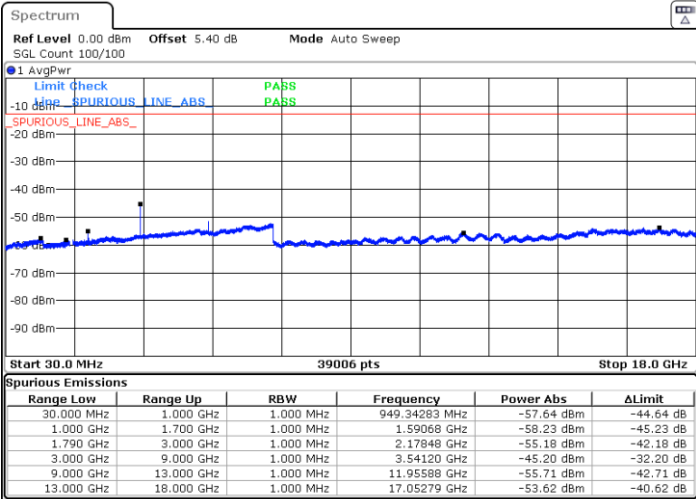


Date: 15.MAR.2022 22:38:01



Date: 15.MAR.2022 22:39:03

Highest Channel / 1RB1



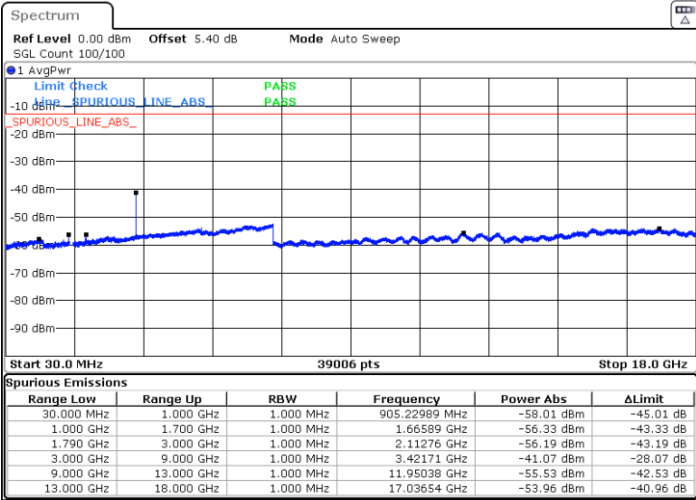
Date: 15.MAR.2022 22:40:09



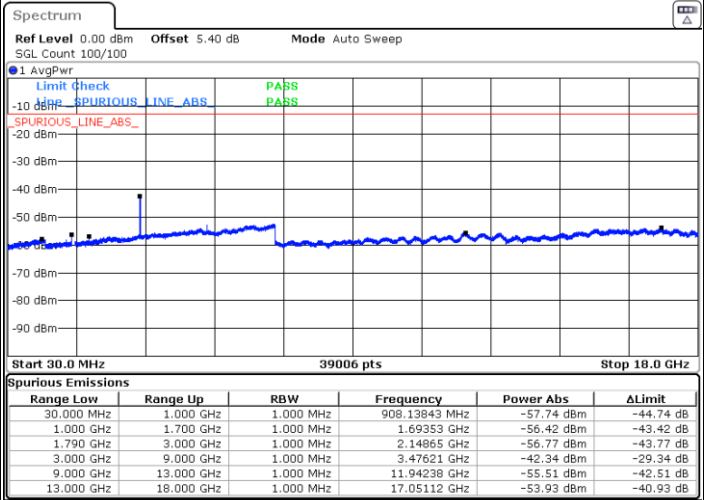
FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

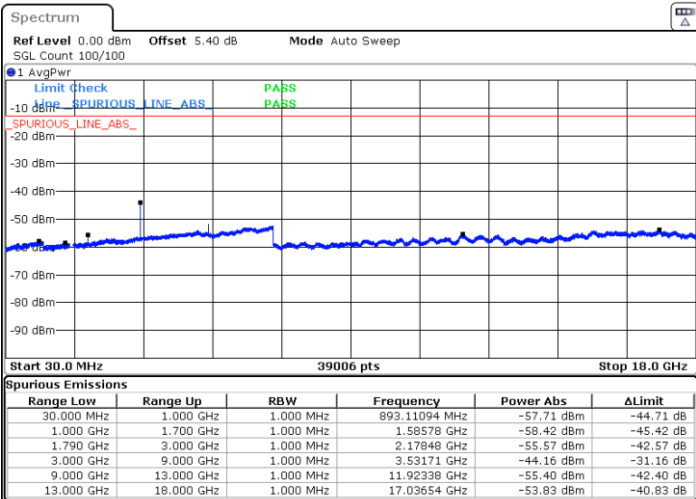


Date: 15.MAR.2022 22:51:49



Date: 15.MAR.2022 22:52:37

Highest Channel / 1RB1



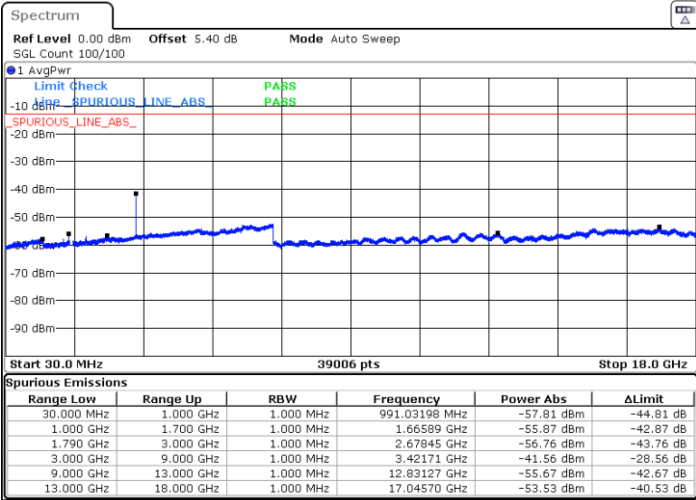
Date: 15.MAR.2022 22:53:26



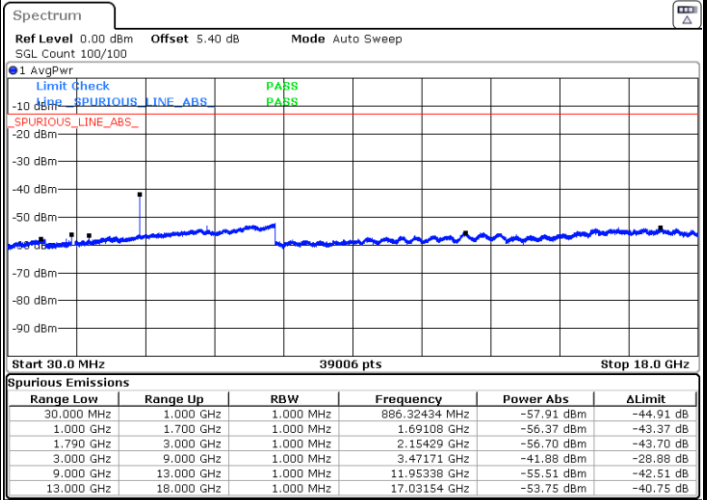
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

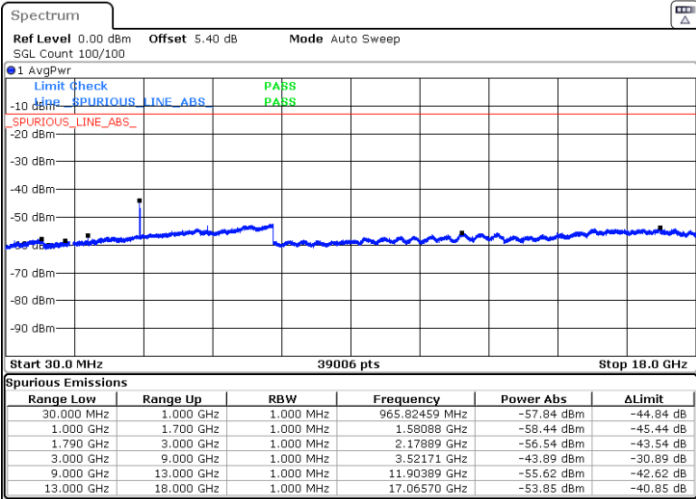


Date: 15.MAR.2022 23:38:05



Date: 15.MAR.2022 23:39:08

Highest Channel / 1RB1



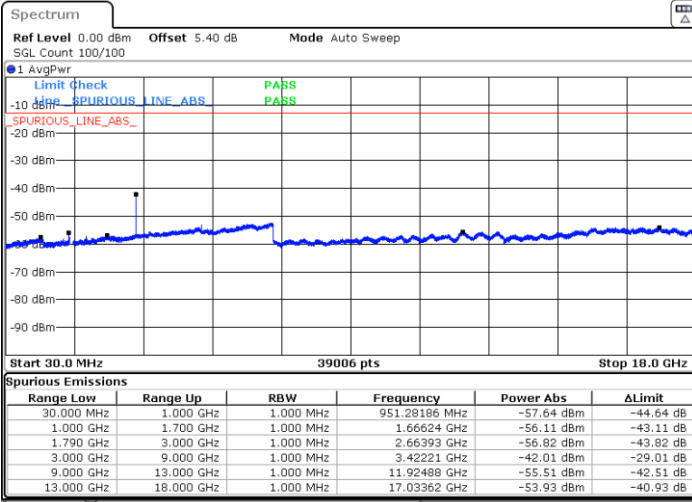
Date: 15.MAR.2022 23:40:02



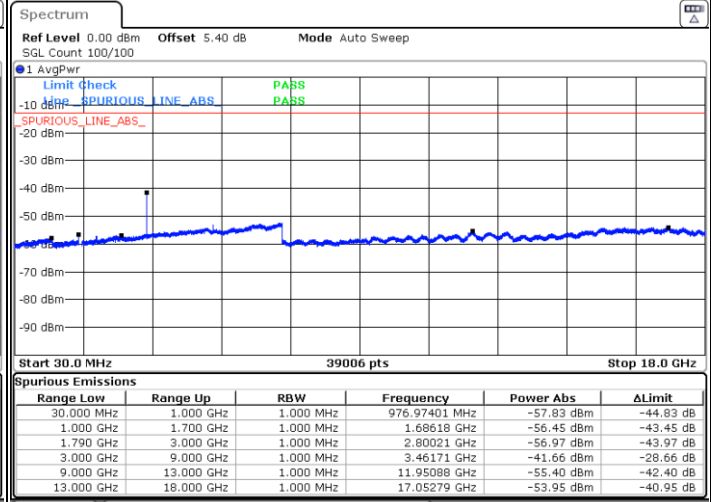
FR1 n66 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

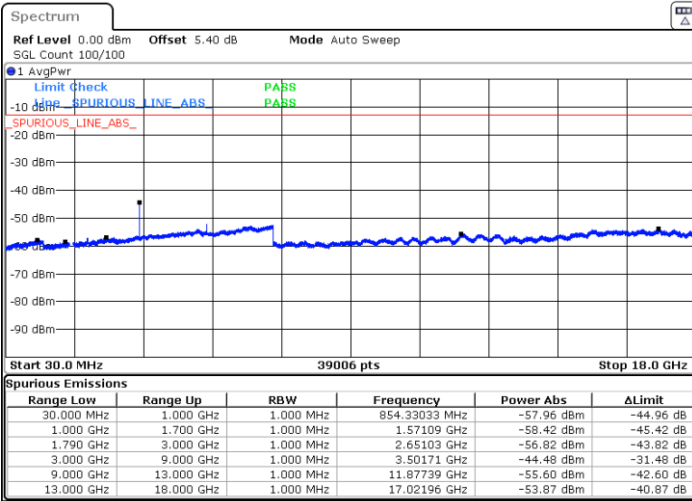


Date: 16.MAR.2022 01:27:39



Date: 16.MAR.2022 01:28:46

Highest Channel / 1RB1



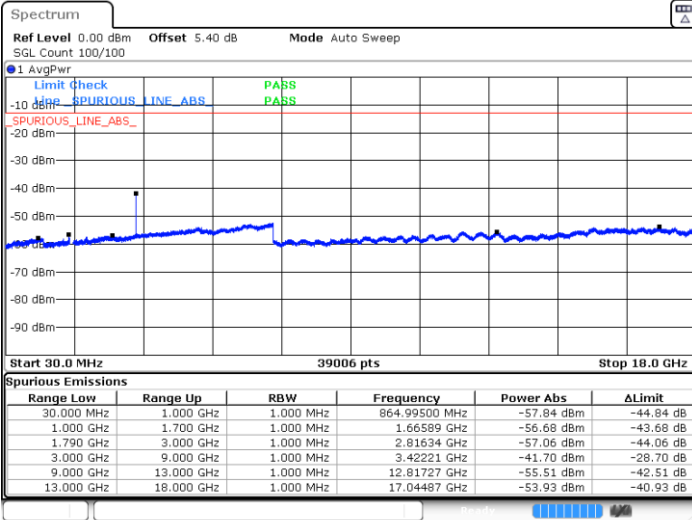
Date: 16.MAR.2022 01:29:35



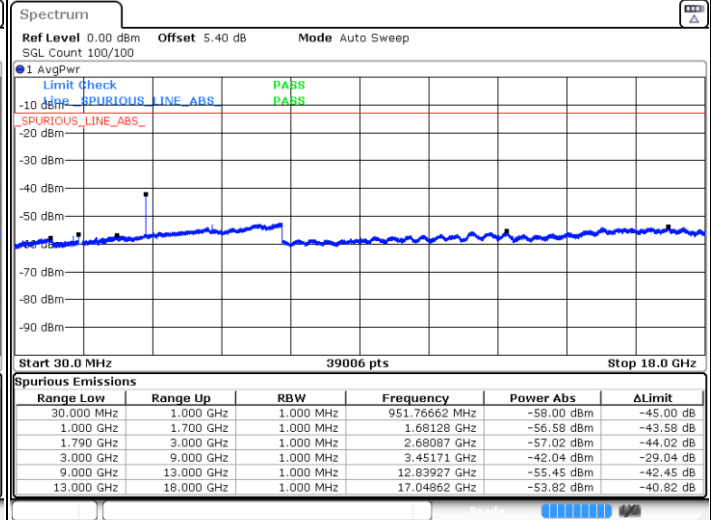
FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

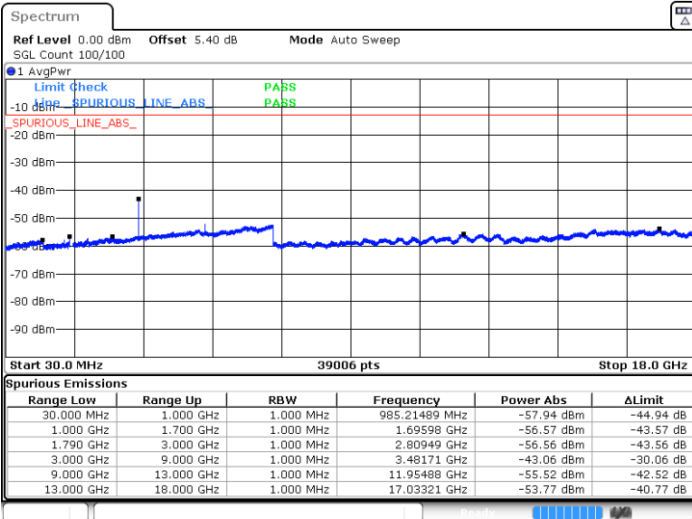


Date: 16.MAR.2022 01:37:49



Date: 16.MAR.2022 01:38:41

Highest Channel / 1RB1



Date: 16.MAR.2022 01:39:38



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





### Appendix B. Test Results of Radiated Test

#### Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst combination to test.

EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT4(LTE) & ANT0(NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5036	-64.96	-25	-39.96	-75.17	3.03	13.24	H
	7556	-63.80	-25	-38.80	-73.25	3.56	13.01	H
	10062	-63.20	-25	-38.20	-72.72	3.92	13.44	H
	5036	-63.49	-25	-38.49	-73.70	3.03	13.24	V
	7556	-64.28	-25	-39.28	-73.73	3.56	13.01	V
	10062	-63.05	-25	-38.05	-72.57	3.92	13.44	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

EN-DC_7A_n66A / LTE 20MHz + NR 40MHz / QPSK / ANT4(LTE) & ANT1(NR)								
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-56.85	-13	-43.85	-67.59	2.604	13.34	H
	5205	-45.06	-13	-32.06	-55.57	3.011	13.52	H
	6945	-54.13	-13	-41.13	-64.33	3.271	13.47	H
	3472	-58.07	-13	-45.07	-68.81	2.604	13.34	V
	5205	-50.41	-13	-37.41	-60.92	3.011	13.52	V
	6945	-53.39	-13	-40.39	-63.59	3.271	13.47	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.