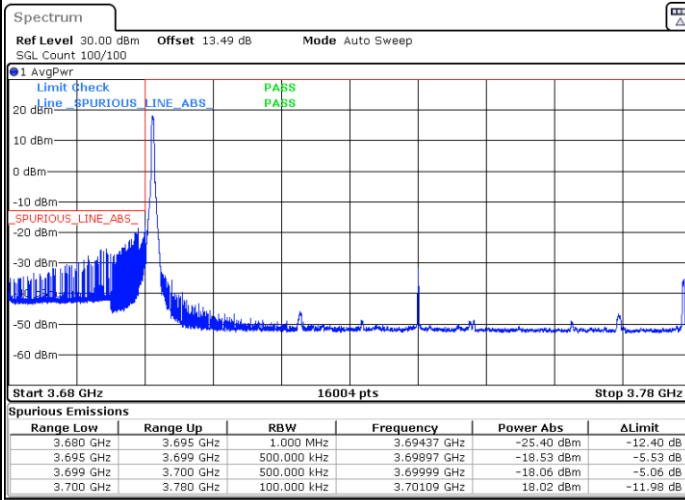




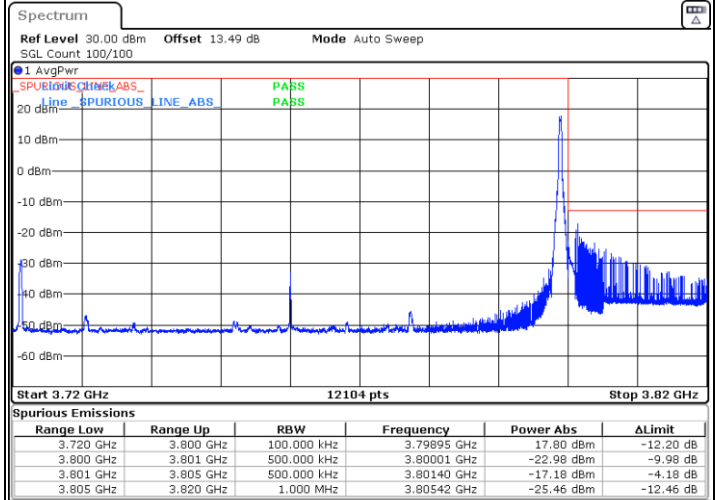
FR1 n78 / 80MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



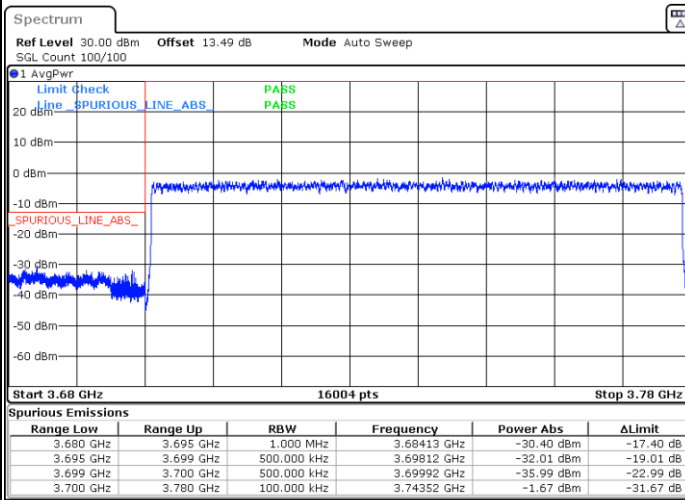
Date: 23.MAR.2022 13:49:33



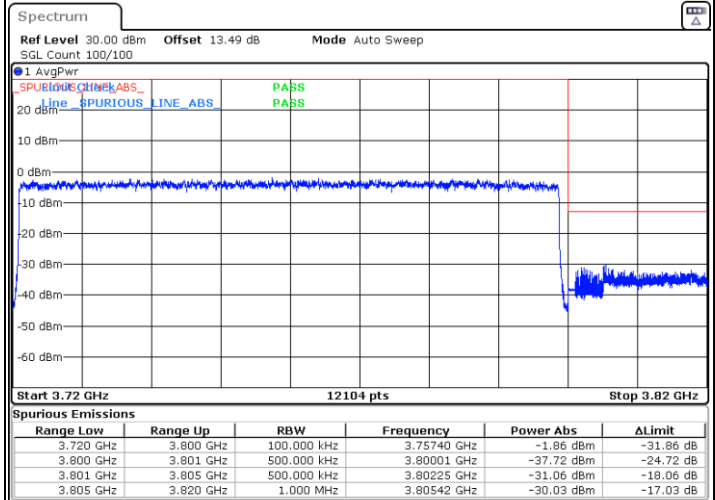
Date: 23.MAR.2022 14:03:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 13:46:59



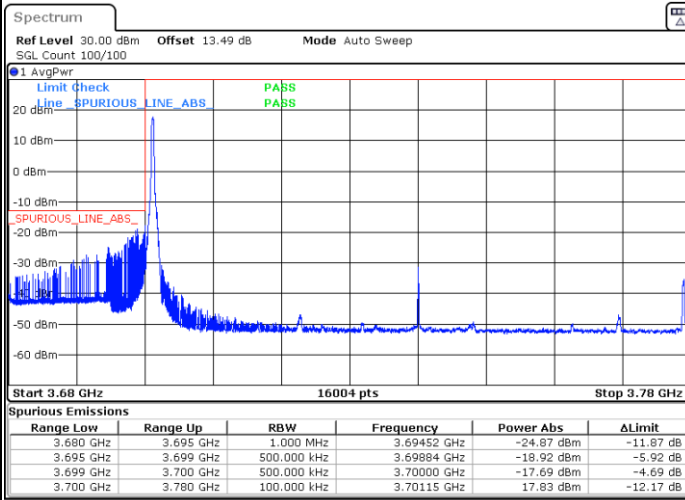
Date: 23.MAR.2022 14:01:08



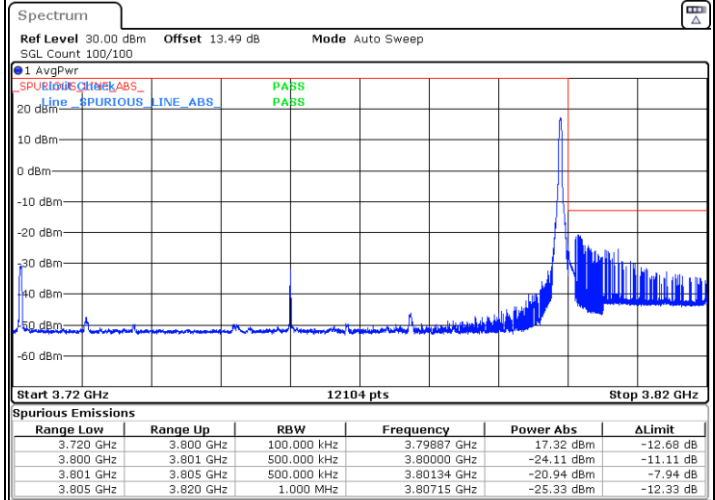
FR1 n78 / 80MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



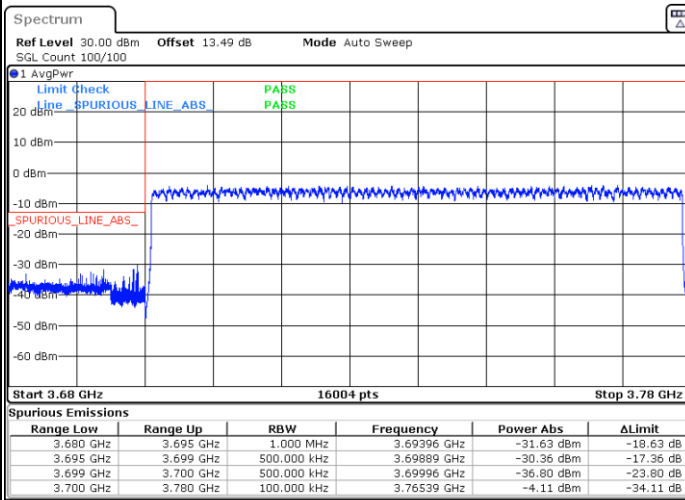
Date: 23.MAR.2022 13:48:29



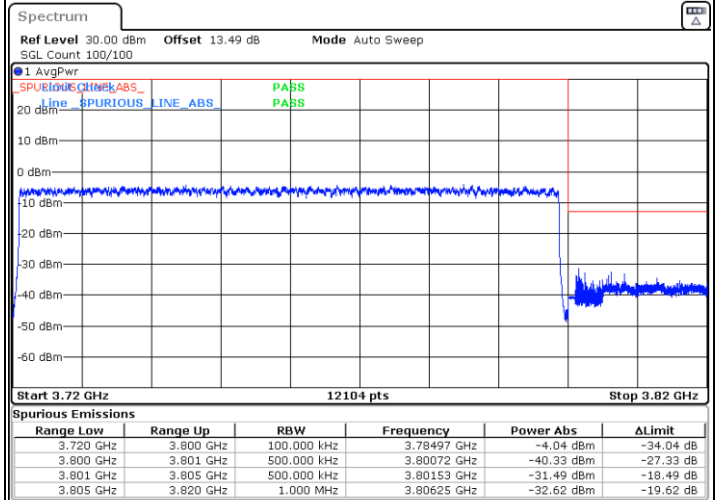
Date: 23.MAR.2022 14:03:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 13:47:47



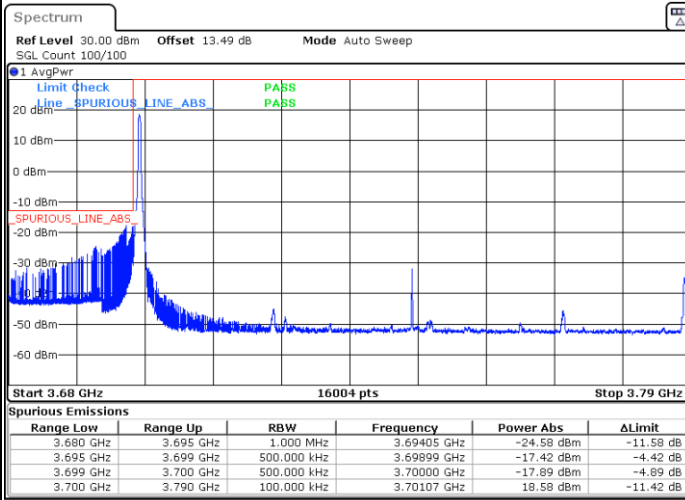
Date: 23.MAR.2022 14:02:00



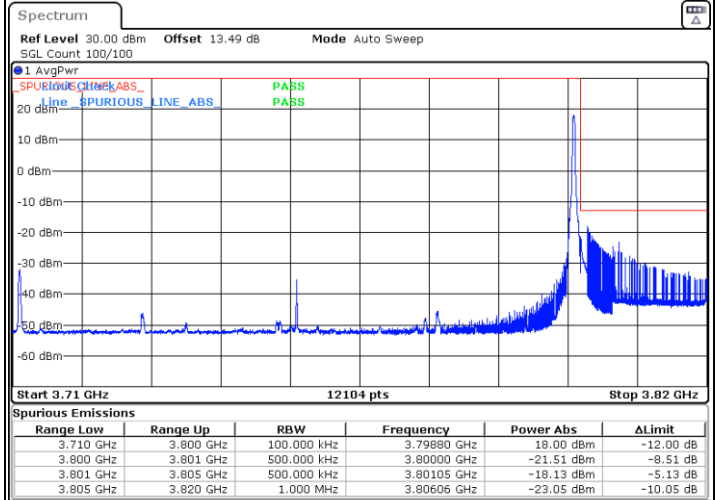
FR1 n78 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



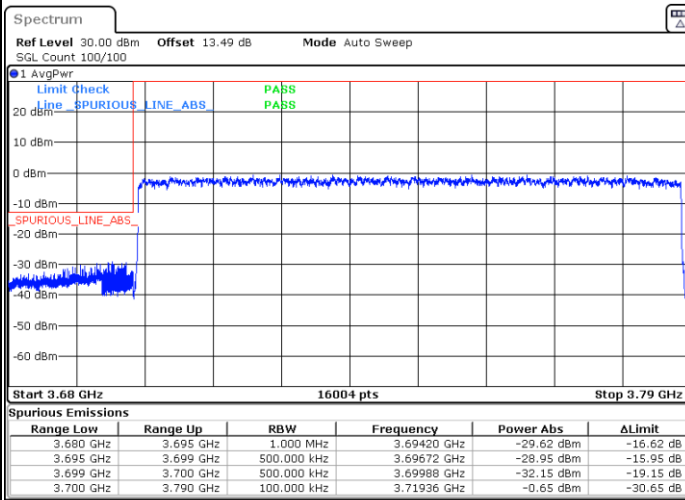
Date: 23.MAR.2022 14:14:53



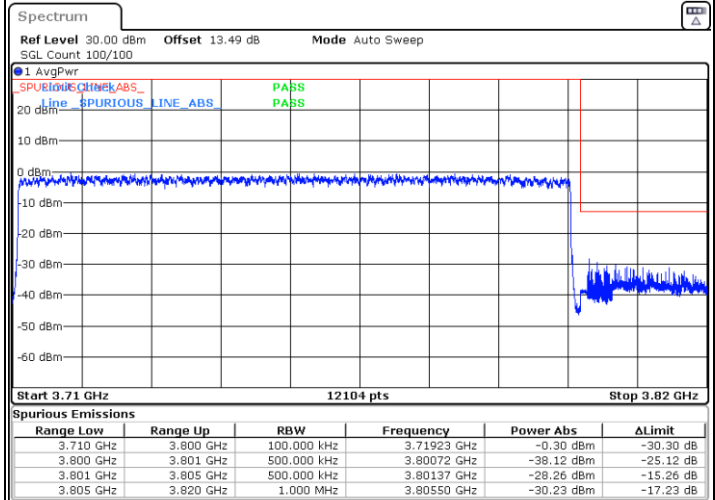
Date: 23.MAR.2022 14:29:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:07:01



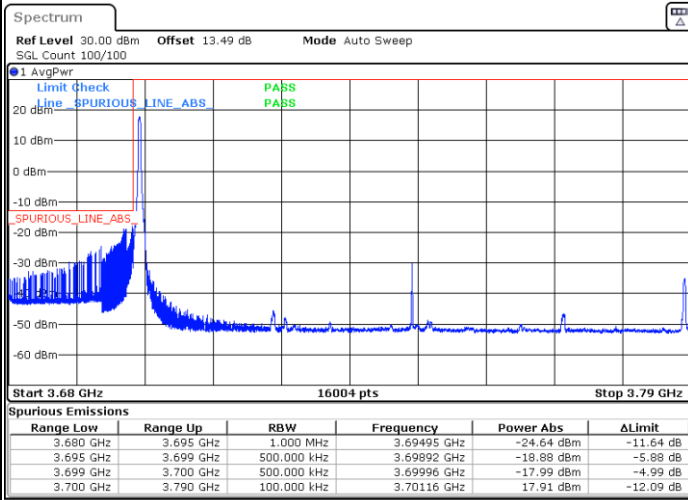
Date: 23.MAR.2022 14:21:19



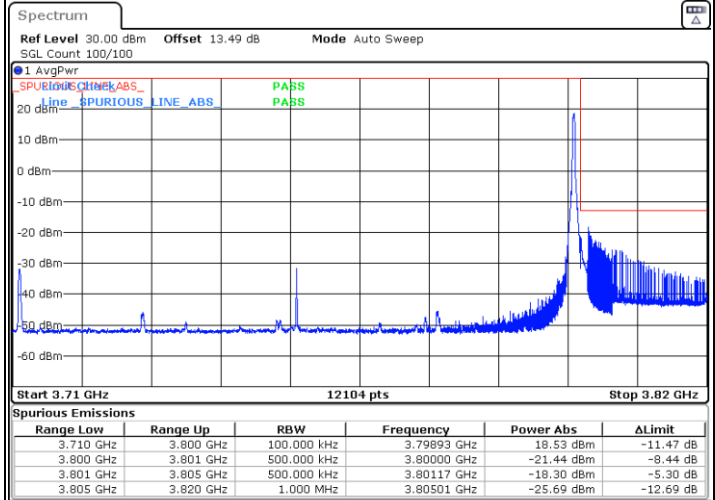
FR1 n78 / 90MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



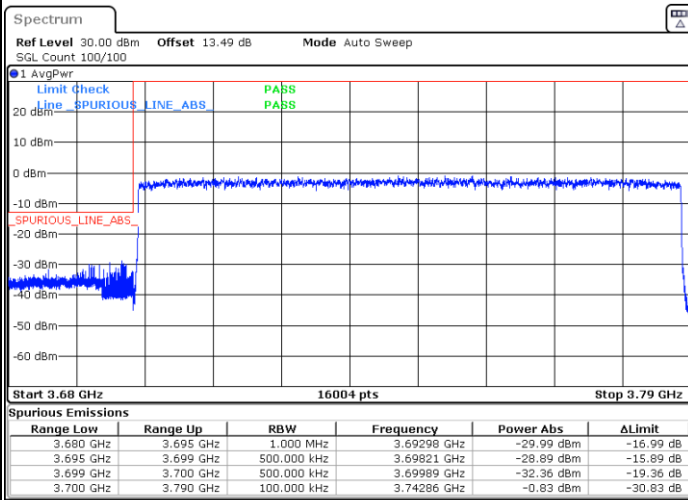
Date: 23.MAR.2022 14:14:08



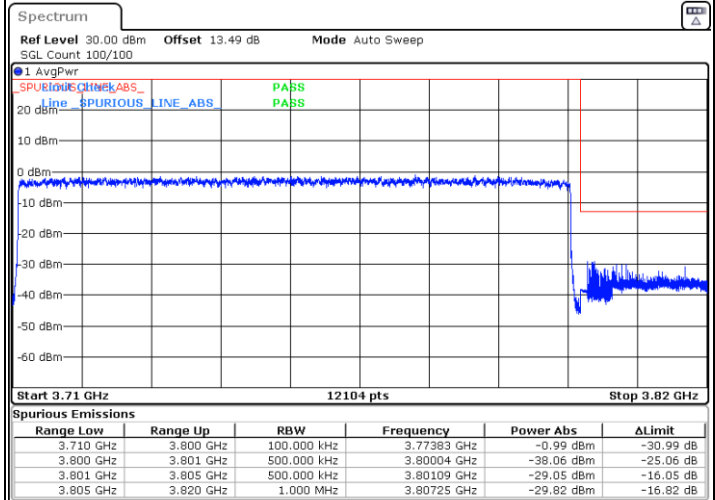
Date: 23.MAR.2022 14:28:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:08:02



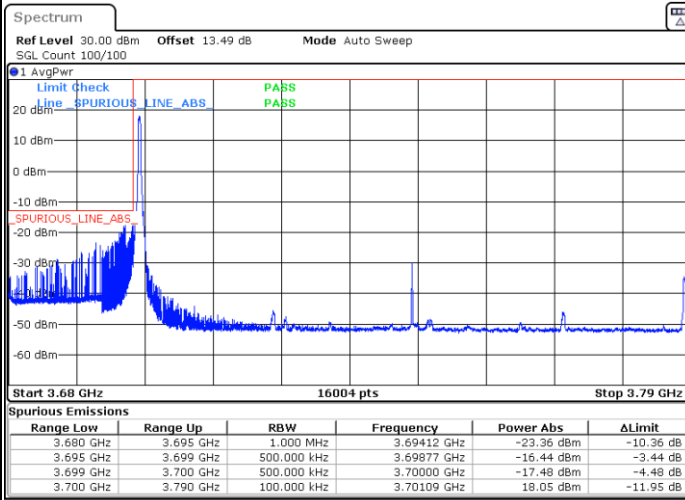
Date: 23.MAR.2022 14:21:57



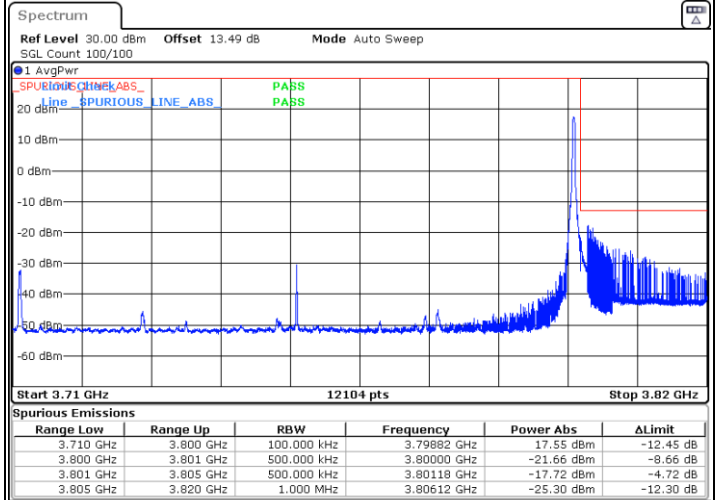
FR1 n78 / 90MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



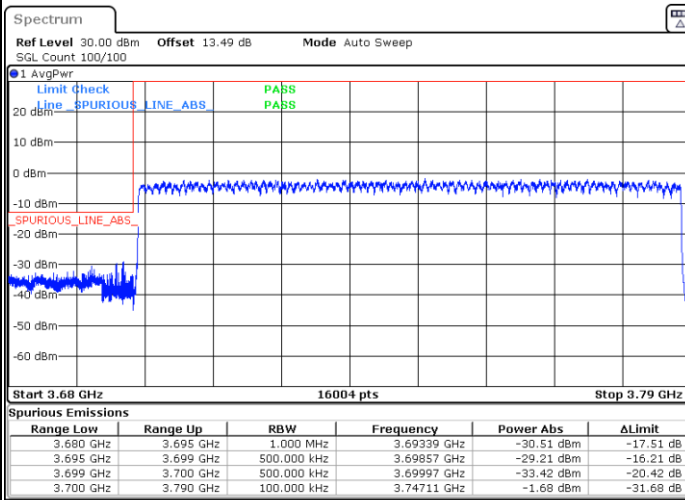
Date: 23.MAR.2022 14:13:27



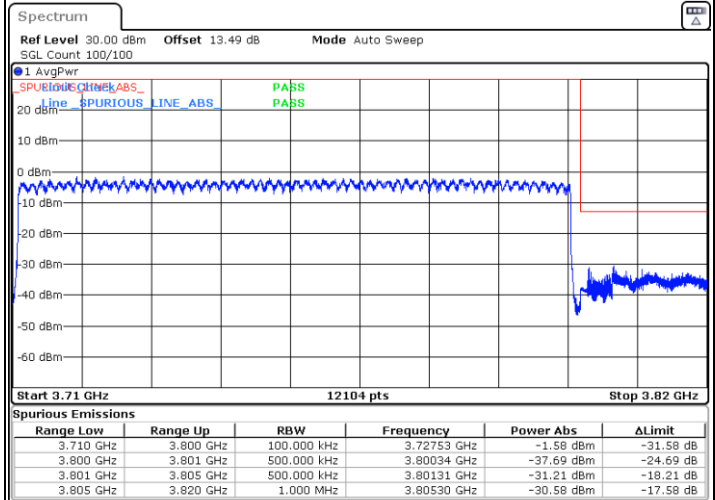
Date: 23.MAR.2022 14:27:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:08:53



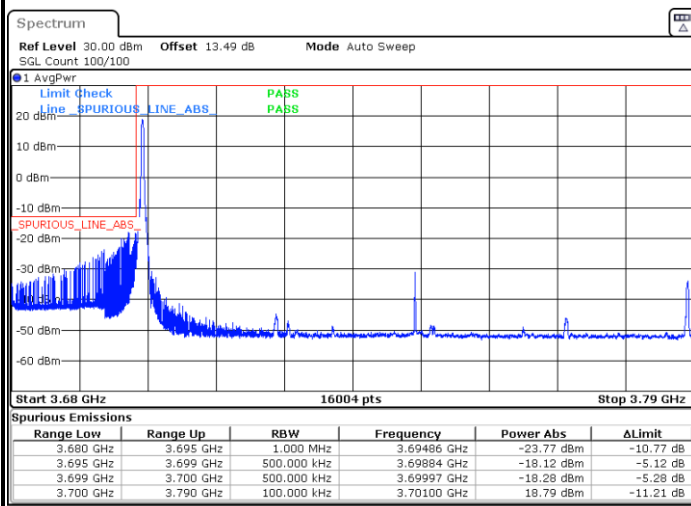
Date: 23.MAR.2022 14:23:16



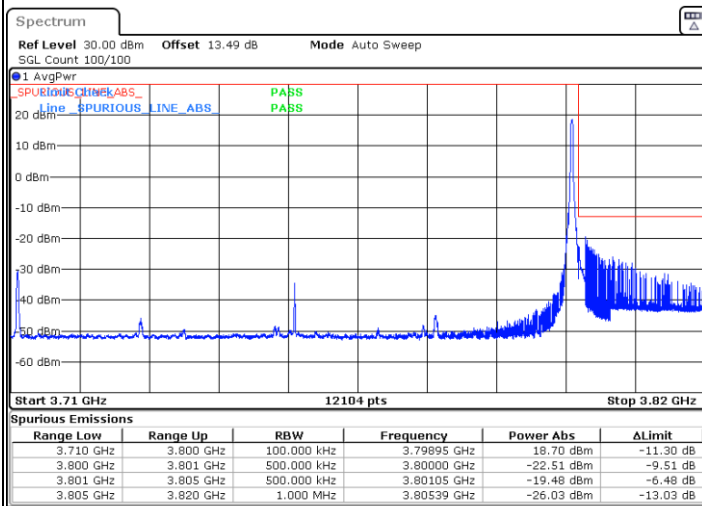
FR1 n78 / 90MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



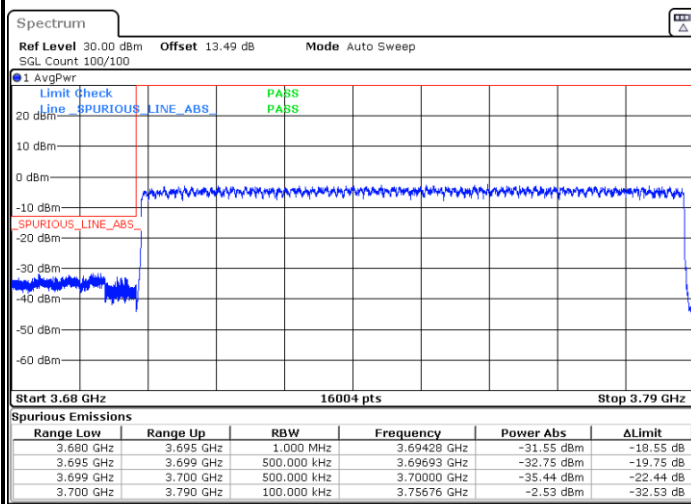
Date: 23.MAR.2022 14:12:40



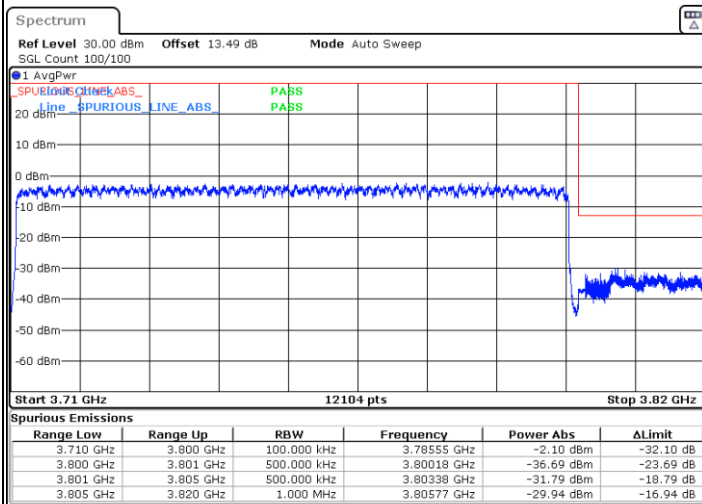
Date: 23.MAR.2022 14:26:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:09:32



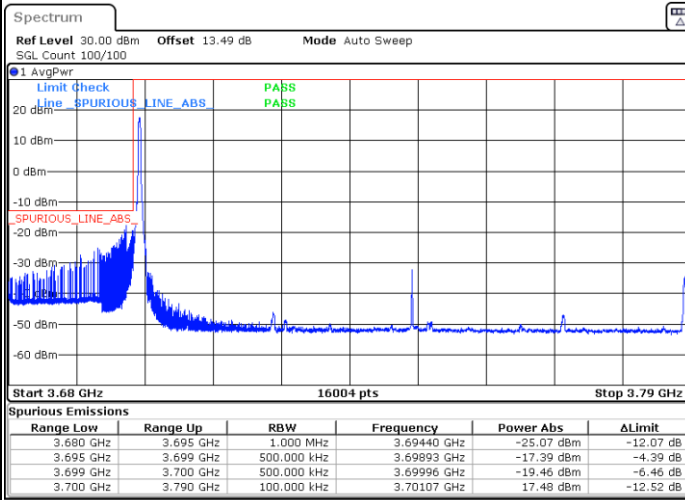
Date: 23.MAR.2022 14:24:33



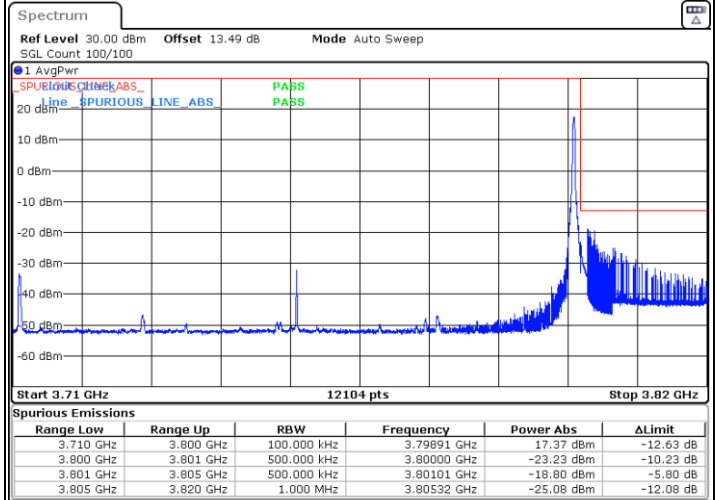
FR1 n78 / 90MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



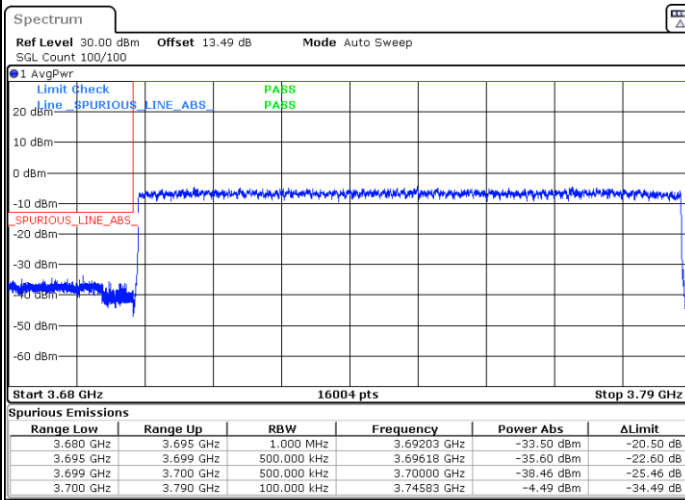
Date: 23.MAR.2022 14:11:45



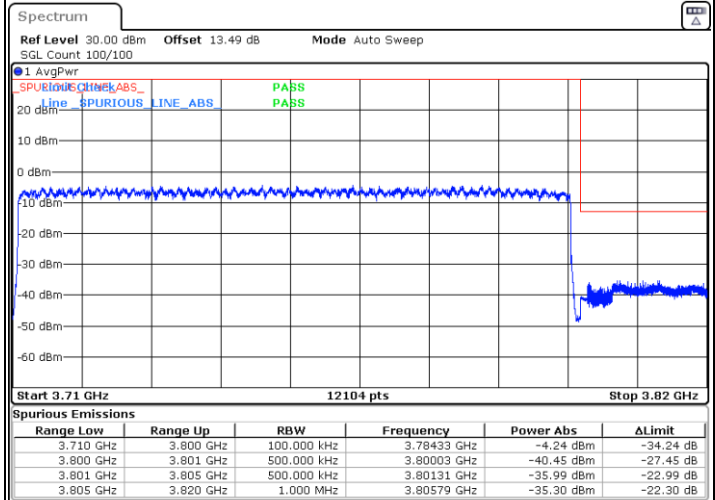
Date: 23.MAR.2022 14:26:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 14:10:30



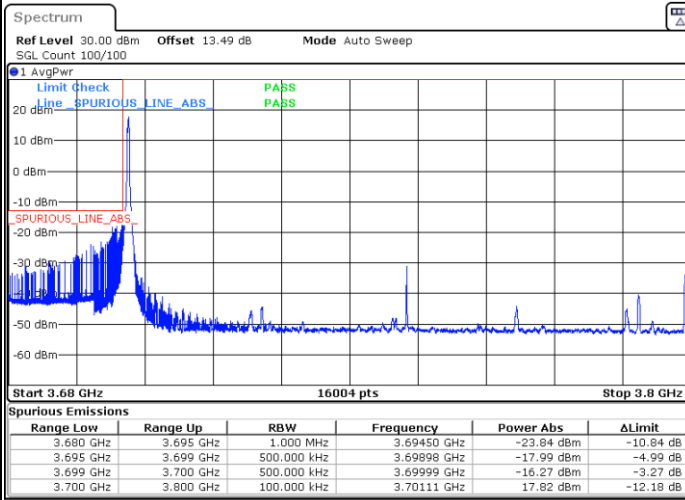
Date: 23.MAR.2022 14:25:13



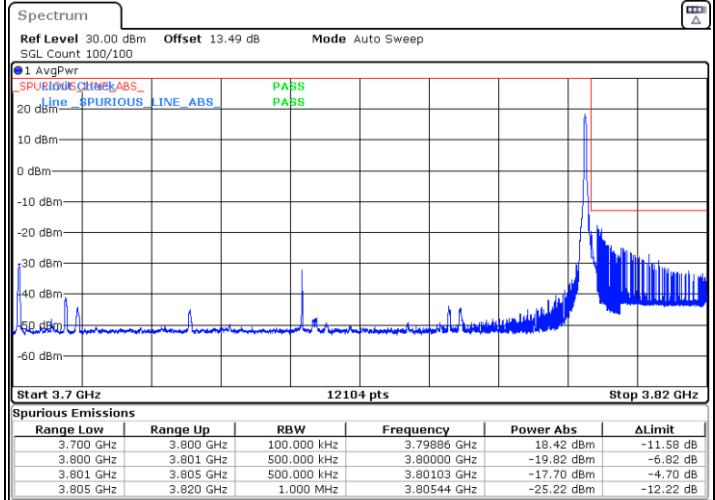
FR1 n78 / 100MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



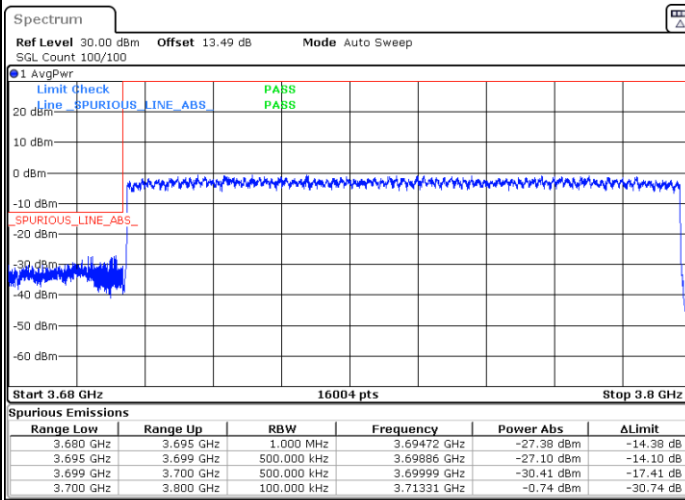
Date: 23.MAR.2022 15:24:20



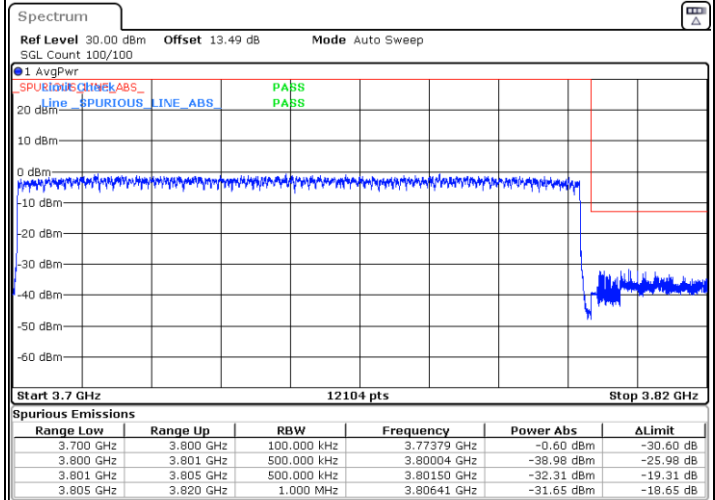
Date: 23.MAR.2022 15:35:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 15:18:21



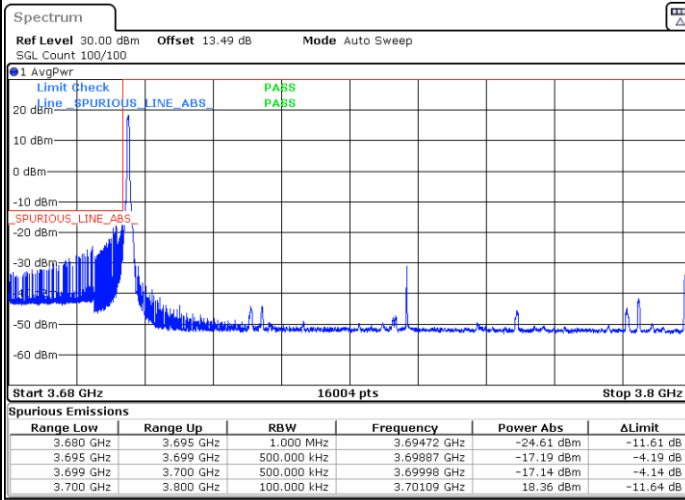
Date: 23.MAR.2022 15:27:44



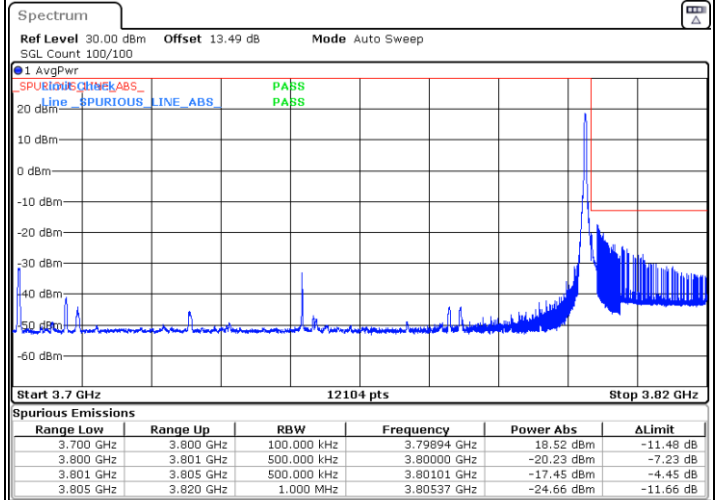
FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



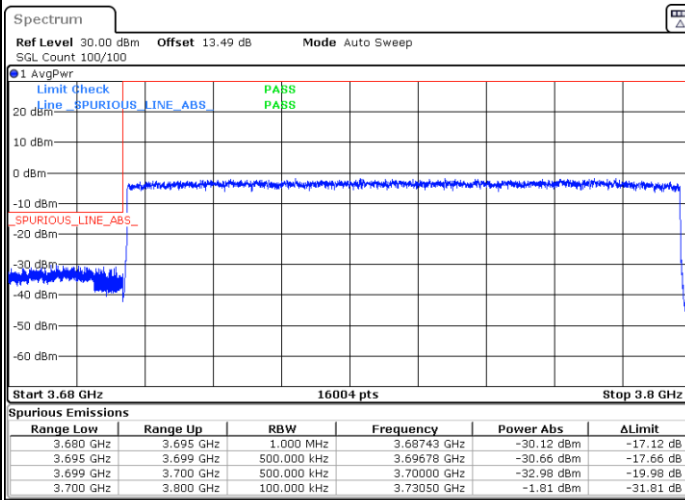
Date: 23.MAR.2022 15:23:38



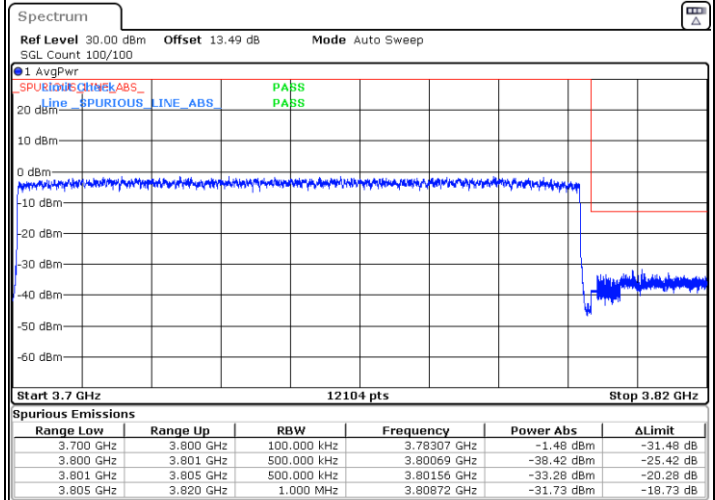
Date: 23.MAR.2022 15:34:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 15:18:59



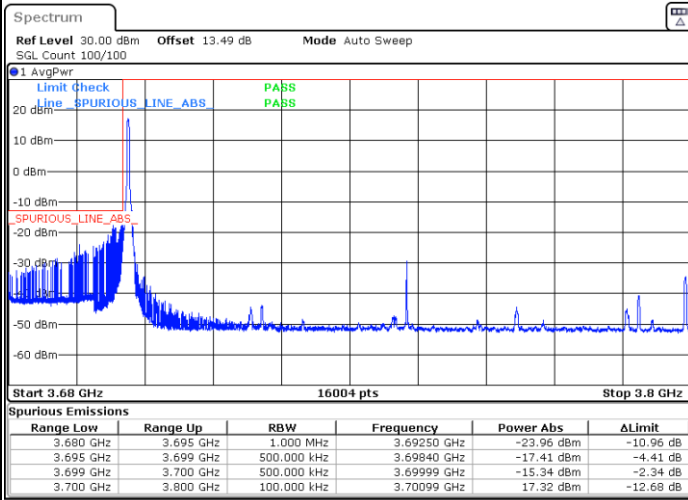
Date: 23.MAR.2022 15:29:25



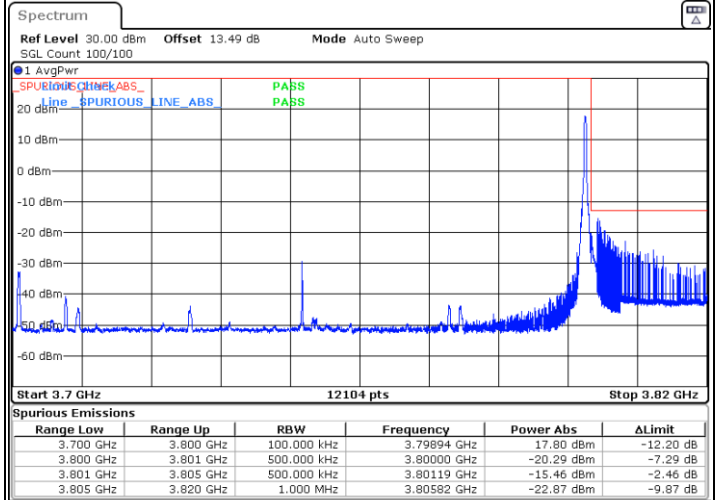
FR1 n78 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



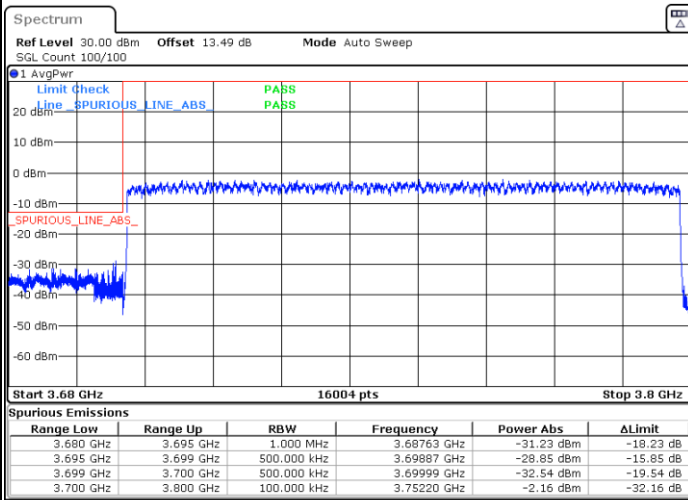
Date: 23.MAR.2022 15:22:59



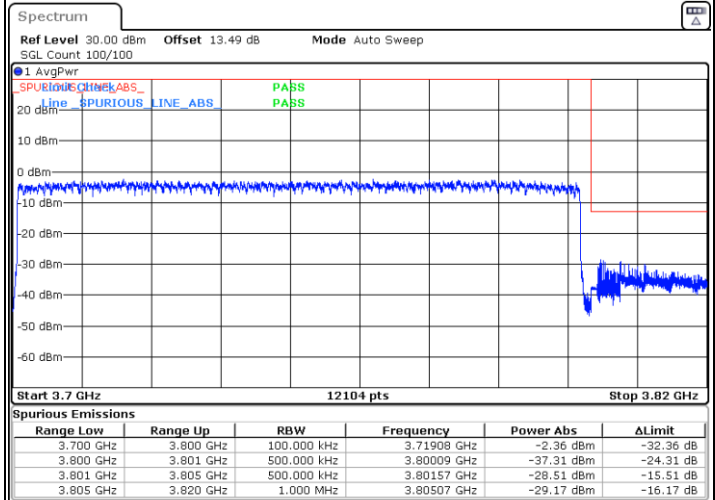
Date: 23.MAR.2022 15:34:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 15:19:41

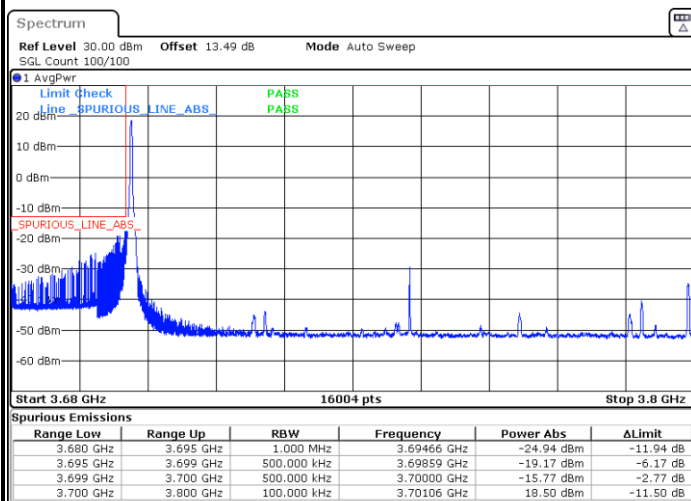


Date: 23.MAR.2022 15:30:03

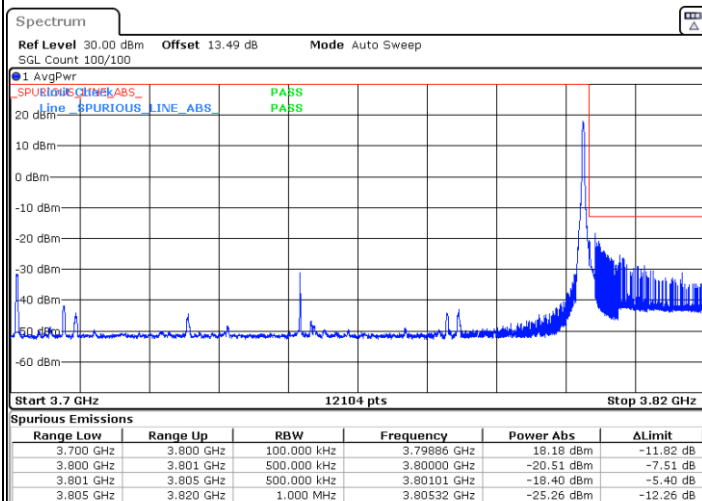


FR1 n78 / 100MHz / DFT-S OFDM / 64Q

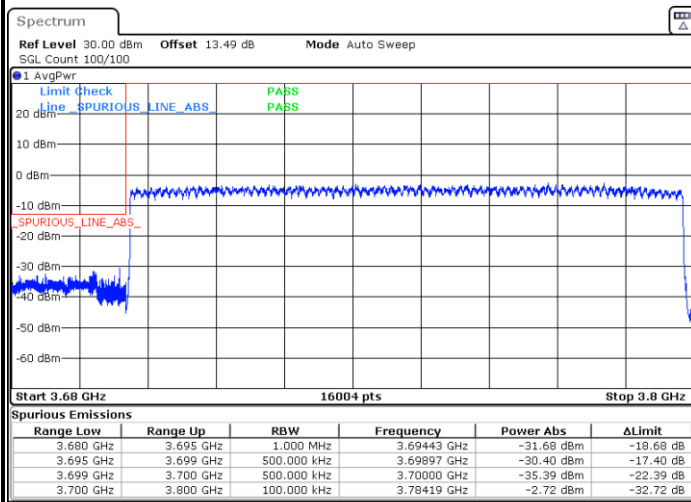
Lowest Band Edge / 1RB0



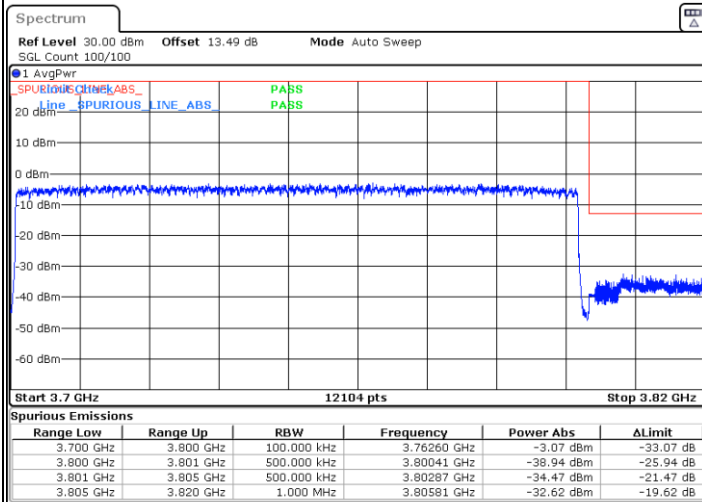
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

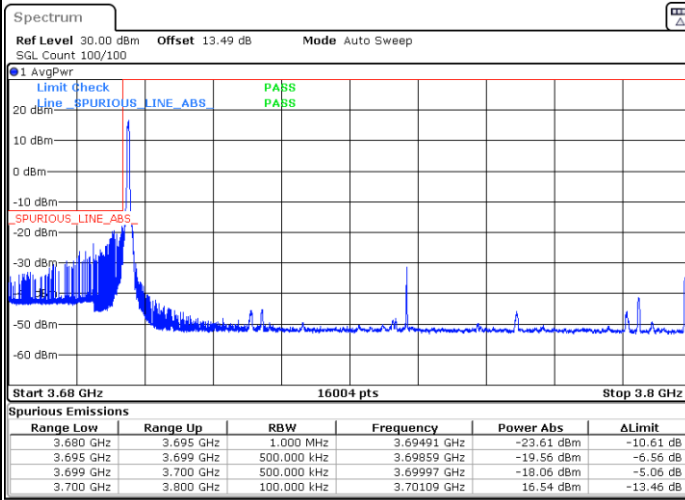




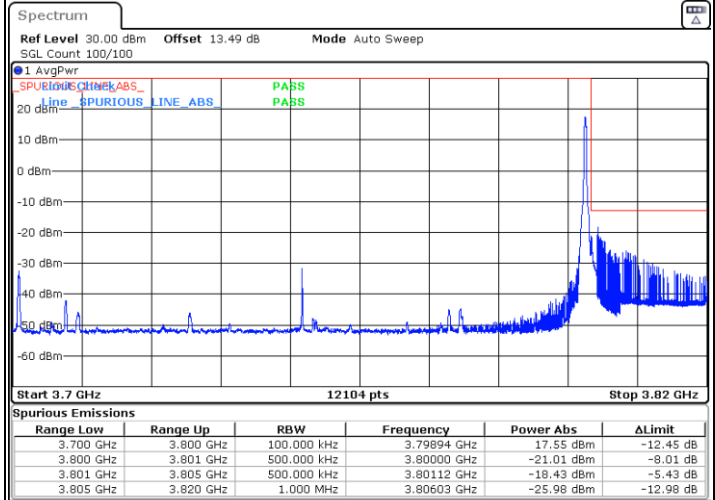
FR1 n78 /100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



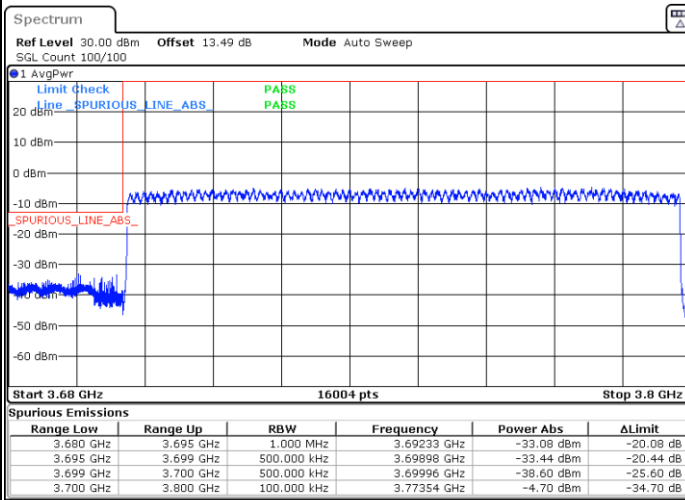
Date: 23.MAR.2022 15:21:46



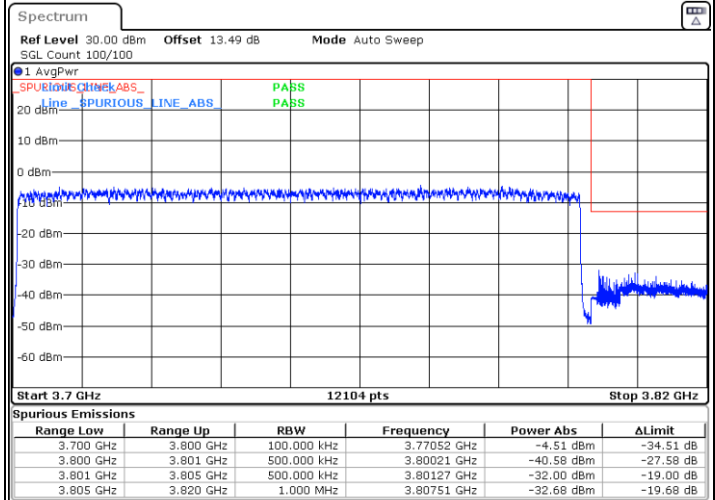
Date: 23.MAR.2022 15:32:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 15:21:08



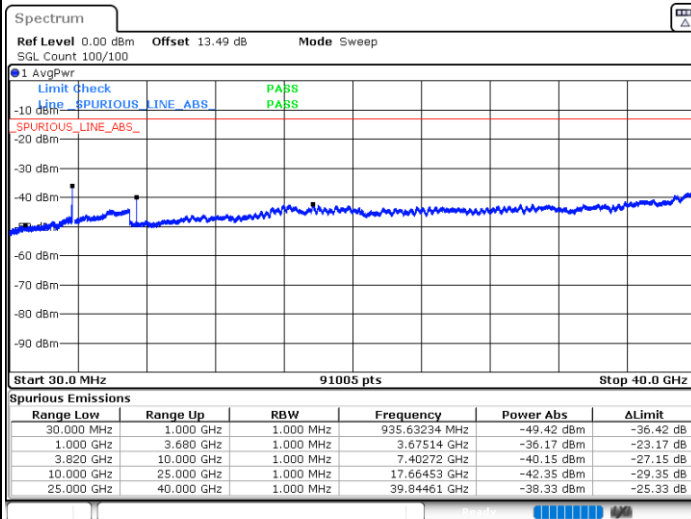
Date: 23.MAR.2022 15:31:25



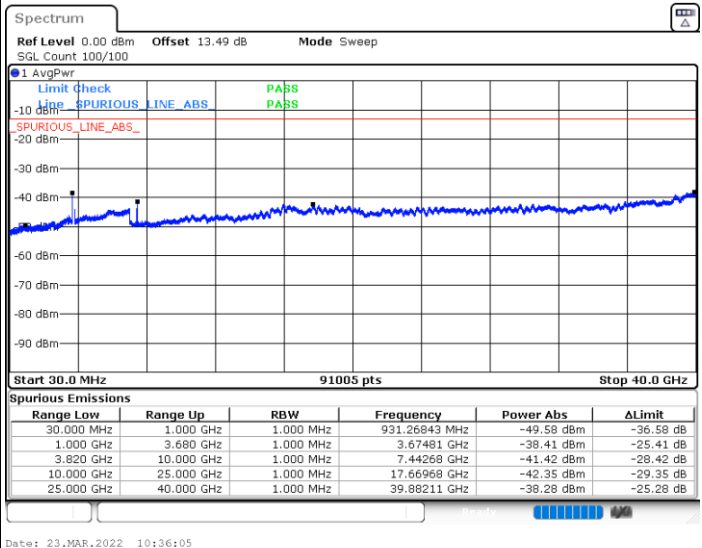
Conducted Spurious Emission

FR1 n78 / 60MHz / DFT-S OFDM / QPSK

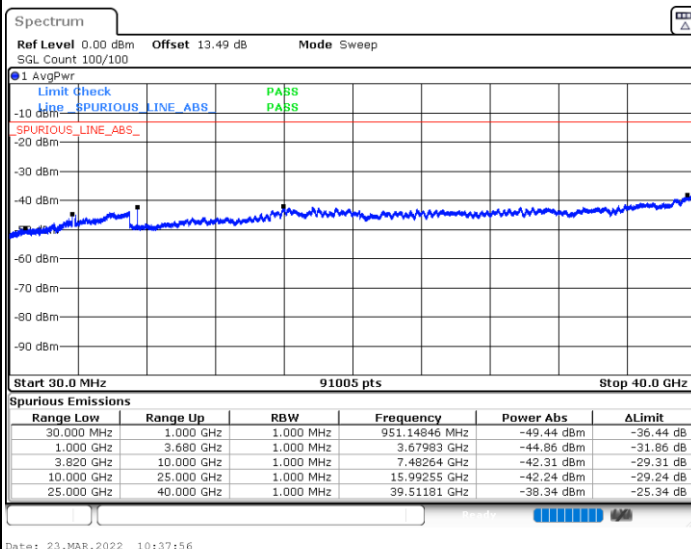
Lowest Channel / 1RB1



Middle Channel / 1RB1



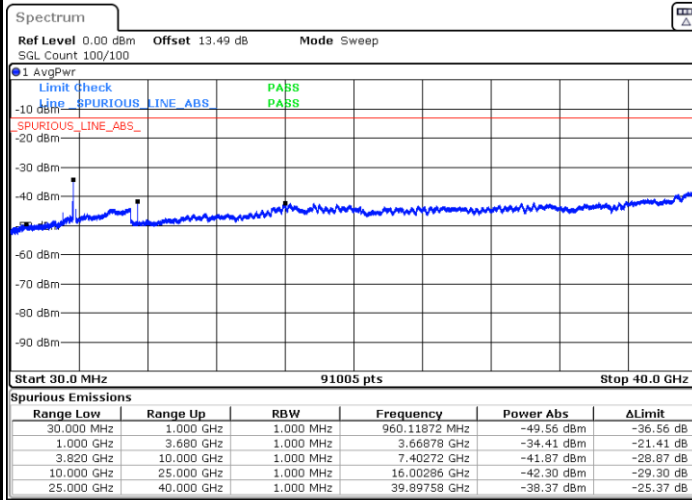
Highest Channel / 1RB1





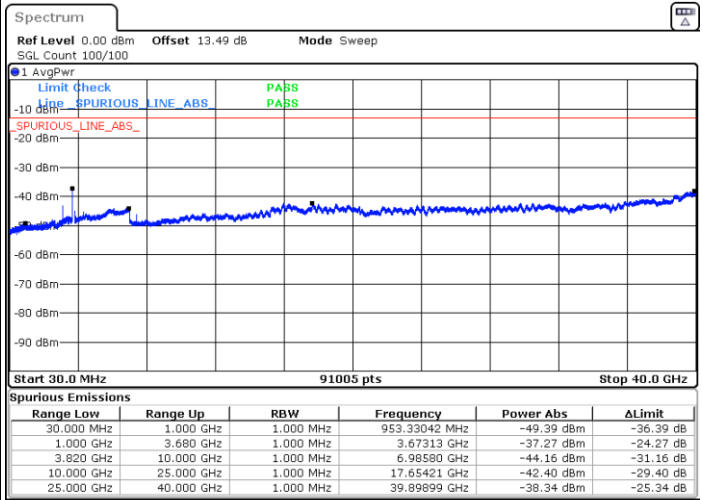
FR1 n78 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



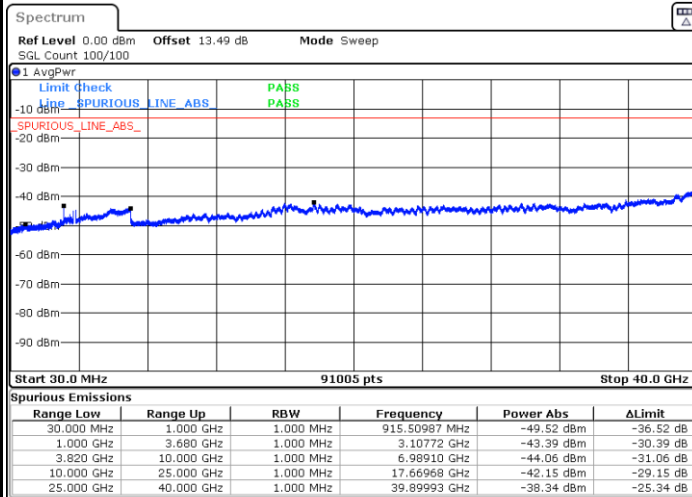
Date: 23.MAR.2022 12:51:50

Middle Channel / 1RB1



Date: 23.MAR.2022 12:53:10

Highest Channel / 1RB1

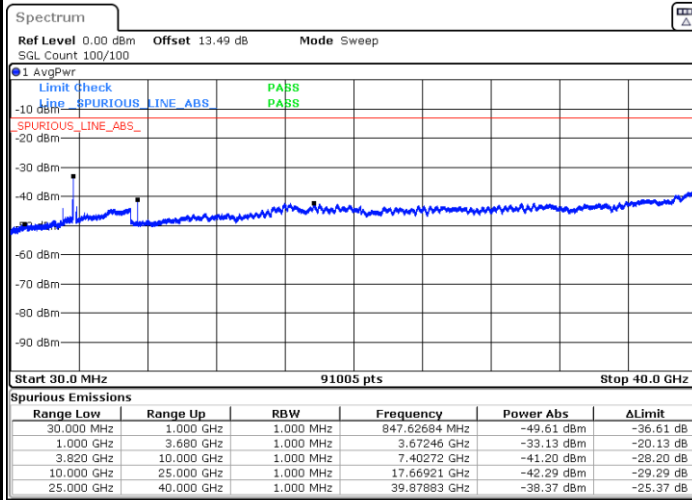


Date: 23.MAR.2022 12:56:30



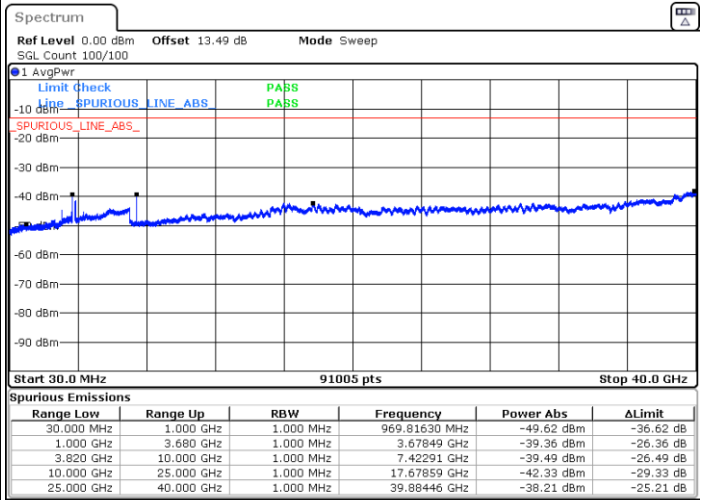
FR1 n78 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



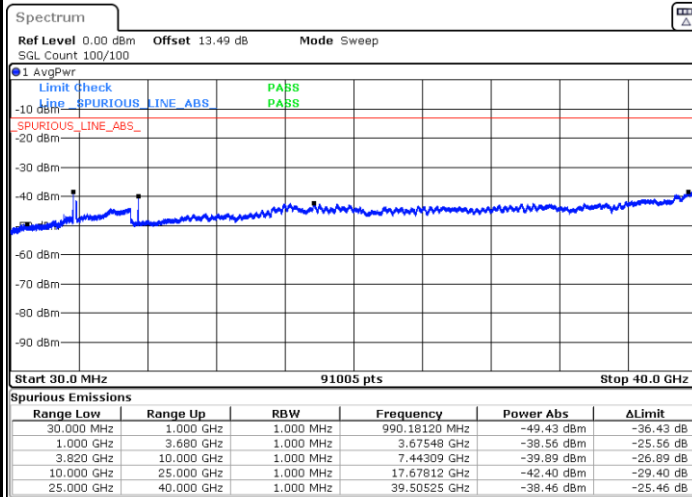
Date: 23.MAR.2022 13:54:17

Middle Channel / 1RB1



Date: 23.MAR.2022 13:55:58

Highest Channel / 1RB1

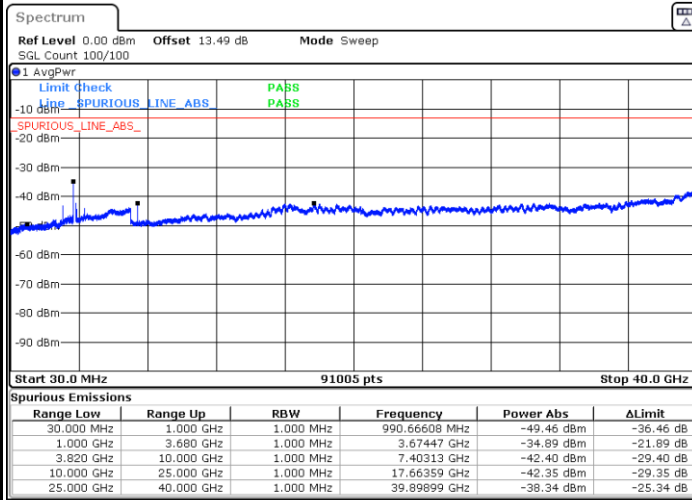


Date: 23.MAR.2022 13:57:29



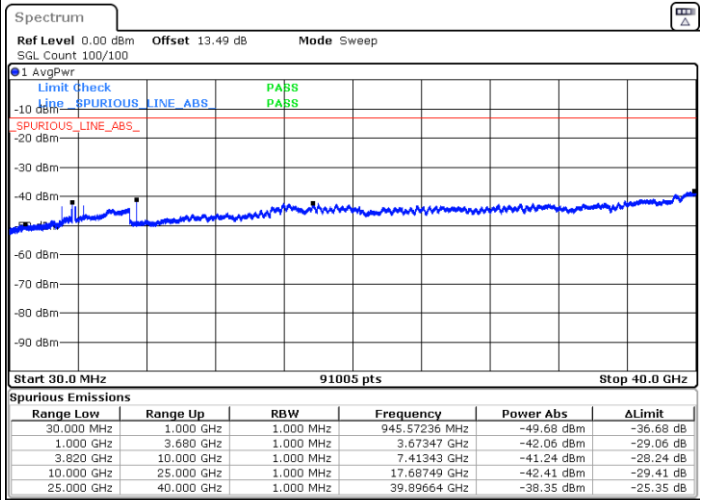
FR1 n78 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



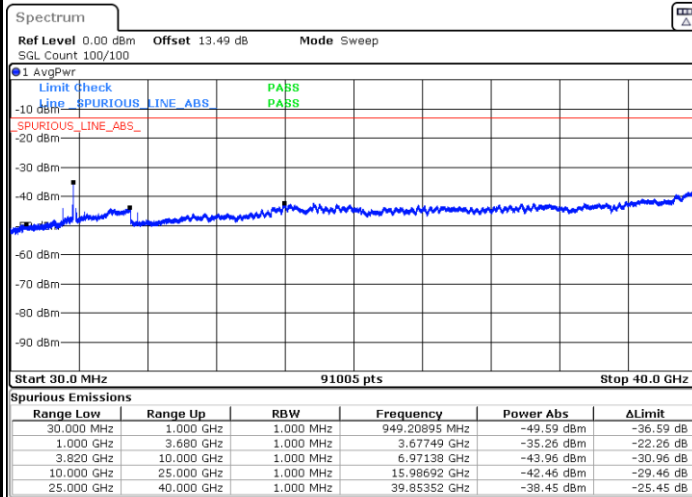
Date: 23.MAR.2022 14:16:10

Middle Channel / 1RB1



Date: 23.MAR.2022 14:17:49

Highest Channel / 1RB1

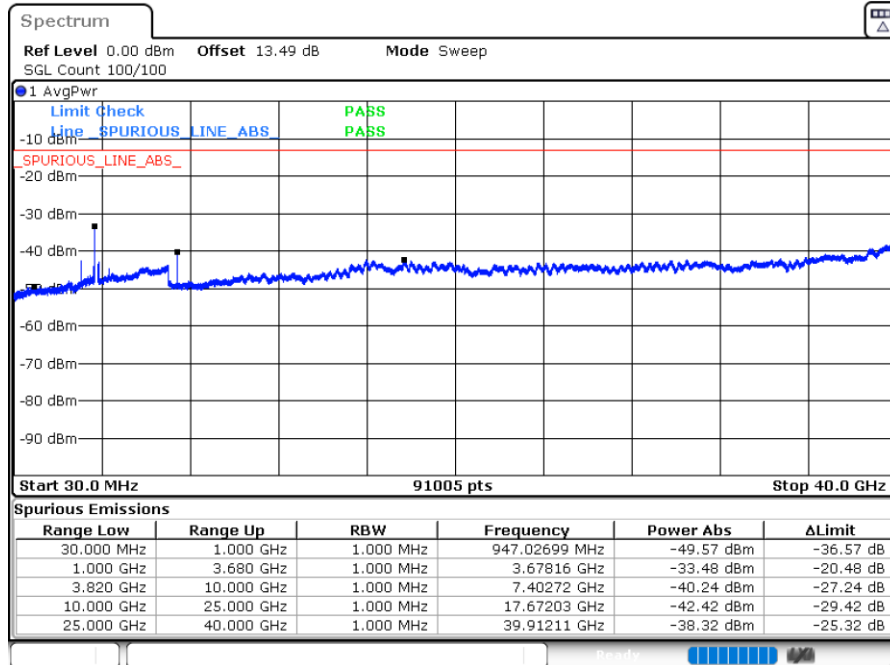


Date: 23.MAR.2022 14:19:58



FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Middle Channel / 1RB1



Date: 23.MAR.2022 15:25:38

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0066	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0037	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
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 antenna mode to test.

SA n77 / 100MHz / QPSK / ANT2								
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	7584	-52.93	-13	-39.93	-63.41	2.76	13.24	H
	11388	-60.73	-13	-47.73	-70.32	3.42	13.01	H
	15180	-59.71	-13	-46.71	-69.32	3.83	13.44	H
	7584	-52.30	-13	-39.30	-62.74	2.80	13.24	V
	11388	-61.13	-13	-48.13	-70.68	3.46	13.01	V
	15180	-60.07	-13	-47.07	-69.63	3.88	13.44	V

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

SA n78 / 100MHz / QPSK / ANT2								
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	7404	-50.25	-13	-37.25	-60.73	2.76	13.24	H
	11112	-61.15	-13	-48.15	-70.74	3.42	13.01	H
	14820	-60.67	-13	-47.67	-70.28	3.83	13.44	H
	7404	-52.14	-13	-39.14	-62.58	2.80	13.24	V
	11112	-61.12	-13	-48.12	-70.67	3.46	13.01	V
	14820	-60.60	-13	-47.60	-70.16	3.88	13.44	V

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

EN-DC_2A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(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	7404	-57.90	-13	-44.90	-68.38	2.76	13.24	H
	11112	-61.08	-13	-48.08	-70.67	3.42	13.01	H
	14820	-60.51	-13	-47.51	-70.12	3.83	13.44	H
	7404	-53.59	-13	-40.59	-64.03	2.80	13.24	V
	11115	-60.91	-13	-47.91	-70.46	3.46	13.01	V
	14820	-60.44	-13	-47.44	-70.00	3.88	13.44	V

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

EN-DC_5A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(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	7404	-55.64	-13	-42.64	-66.12	2.76	13.24	H
	11112	-62.42	-13	-49.42	-72.01	3.42	13.01	H
	14820	-61.00	-13	-48.00	-70.61	3.83	13.44	H
	7404	-57.42	-13	-44.42	-67.86	2.80	13.24	V
	11112	-62.31	-13	-49.31	-71.86	3.46	13.01	V
	14820	-60.16	-13	-47.16	-69.72	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(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	7404	-57.14	-13	-44.14	-67.62	2.76	13.24	H
	11112	-61.10	-13	-48.10	-70.69	3.42	13.01	H
	14820	-60.51	-13	-47.51	-70.12	3.83	13.44	H
	7404	-61.76	-13	-48.76	-72.20	2.80	13.24	V
	11112	-61.44	-13	-48.44	-70.99	3.46	13.01	V
	14820	-60.62	-13	-47.62	-70.18	3.88	13.44	V

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



EN-DC_38A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(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	7404	-56.69	-13	-43.69	-67.17	2.76	13.24	H
	11112	-61.07	-13	-48.07	-70.66	3.42	13.01	H
	14820	-60.44	-13	-47.44	-70.05	3.83	13.44	H
	7404	-61.38	-13	-48.38	-71.82	2.80	13.24	V
	11112	-61.40	-13	-48.40	-70.95	3.46	13.01	V
	14820	-60.39	-13	-47.39	-69.95	3.88	13.44	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(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	7404	-57.44	-13	-44.44	-67.92	2.76	13.24	H
	11112	-60.75	-13	-47.75	-70.34	3.42	13.01	H
	14820	-60.23	-13	-47.23	-69.84	3.83	13.44	H
	7404	-58.49	-13	-45.49	-68.93	2.80	13.24	V
	11112	-61.08	-13	-48.08	-70.63	3.46	13.01	V
	14820	-60.35	-13	-47.35	-69.91	3.88	13.44	V

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