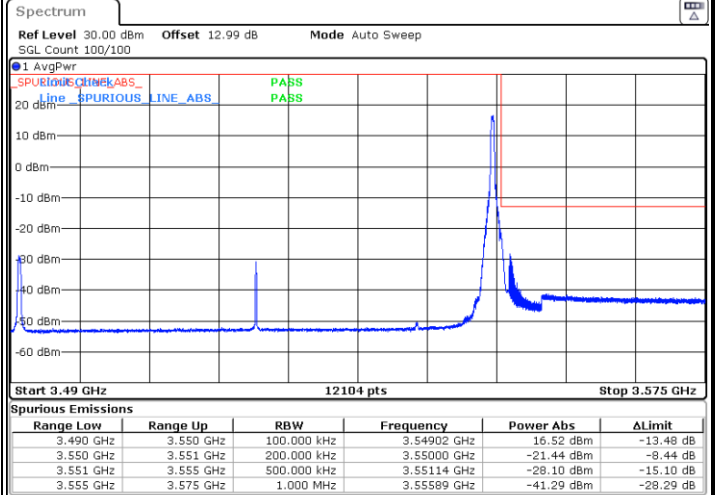
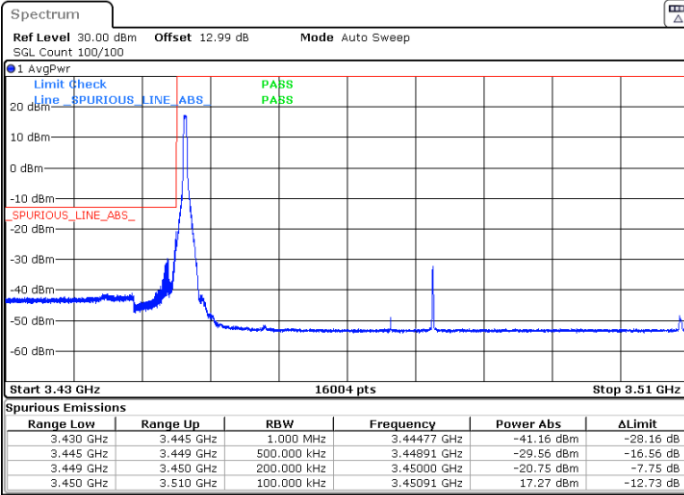




FR1 n78 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

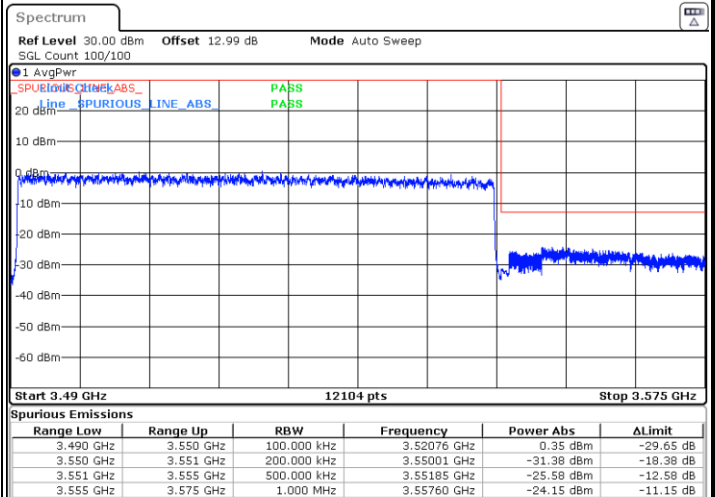
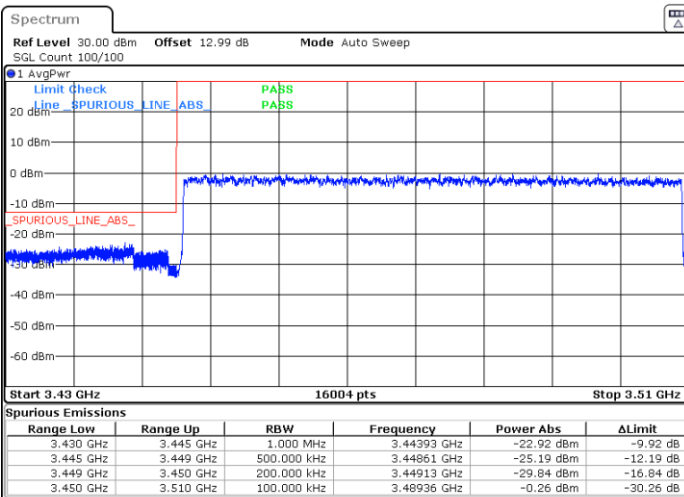


Date: 30.MAY.2022 20:29:51

Date: 30.MAY.2022 20:23:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAY.2022 20:25:13

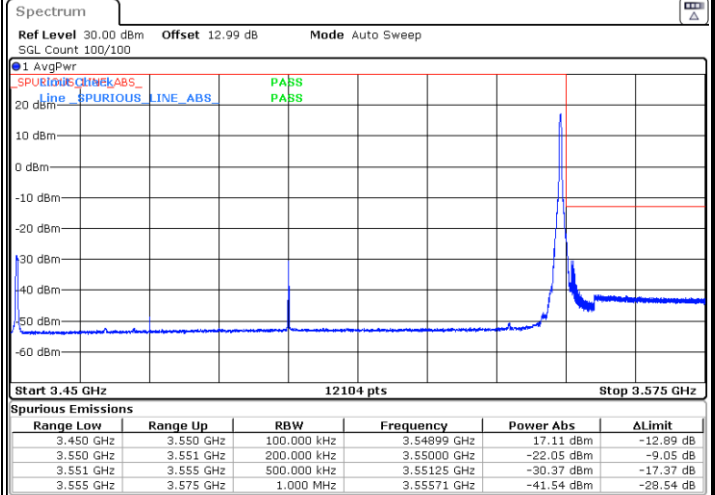
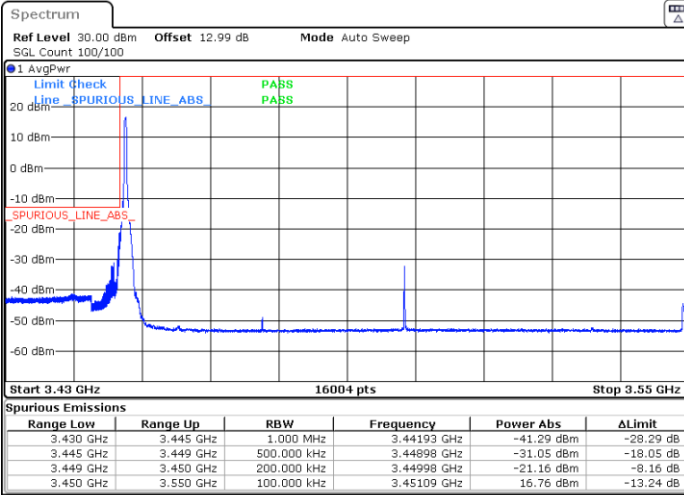
Date: 30.MAY.2022 20:23:54



FR1 n78 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

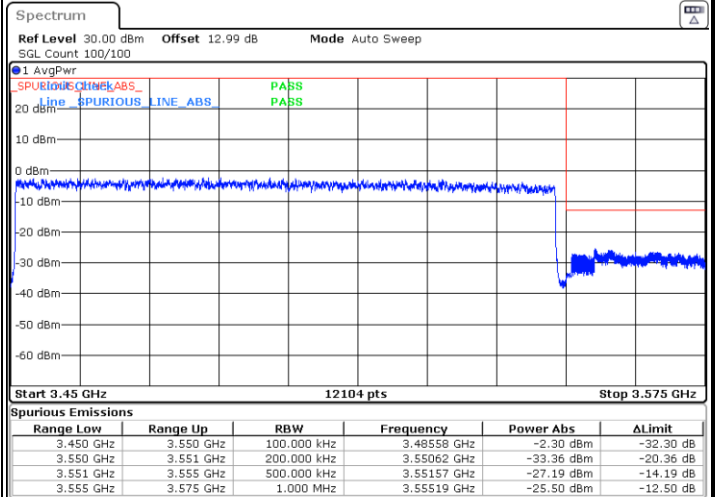
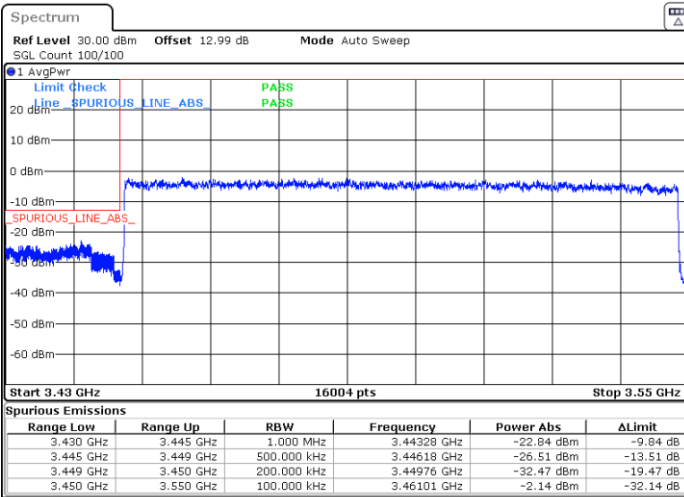


Date: 30.MAY.2022 20:35:52

Date: 30.MAY.2022 20:40:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAY.2022 20:39:49

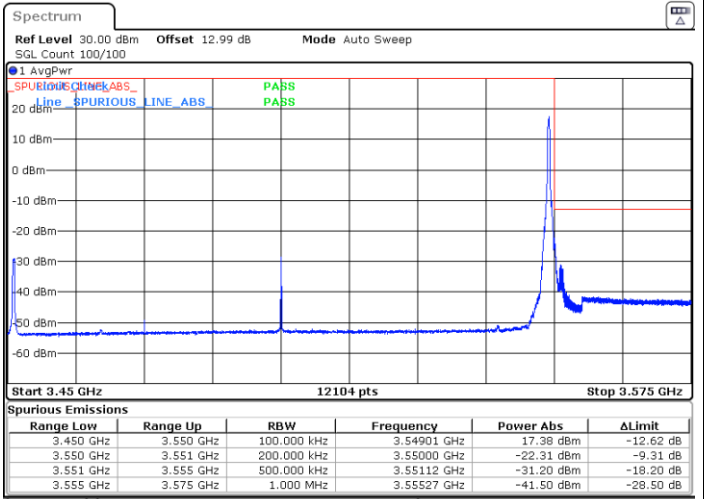
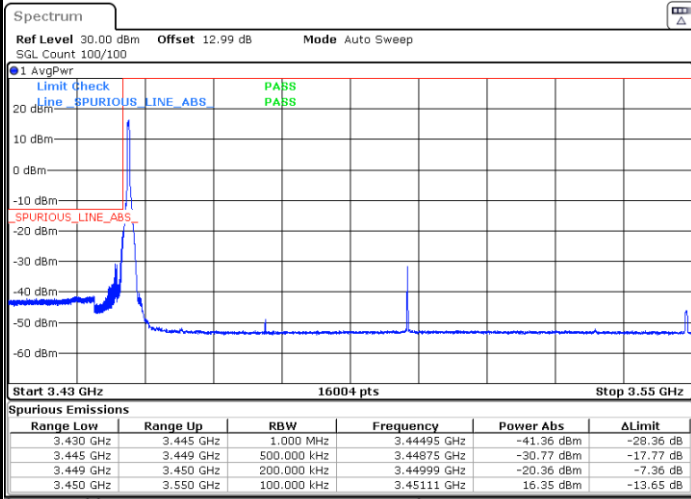
Date: 30.MAY.2022 20:43:26



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

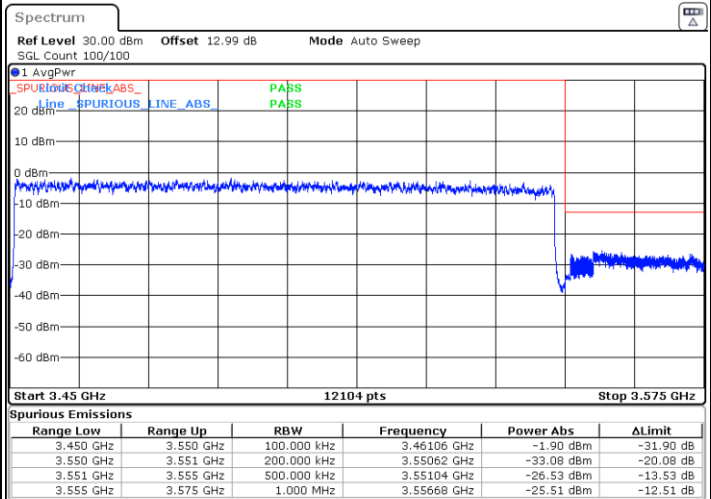
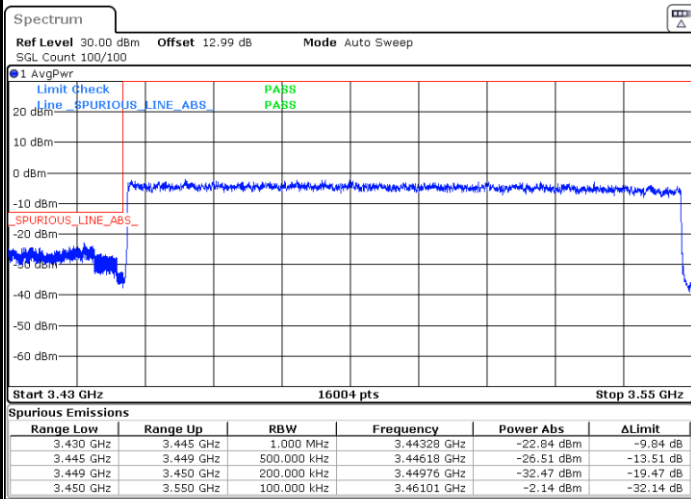


Date: 30.MAY.2022 20:37:21

Date: 30.MAY.2022 20:41:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAY.2022 20:39:49

Date: 30.MAY.2022 20:42:31

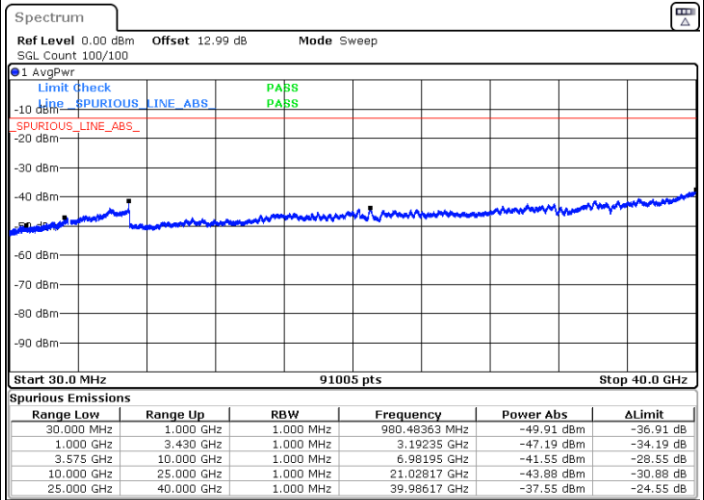
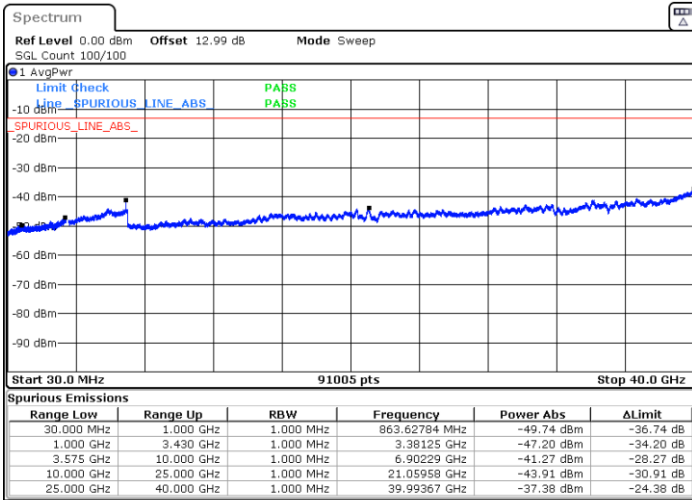


Conducted Spurious Emission

FR1 n78 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

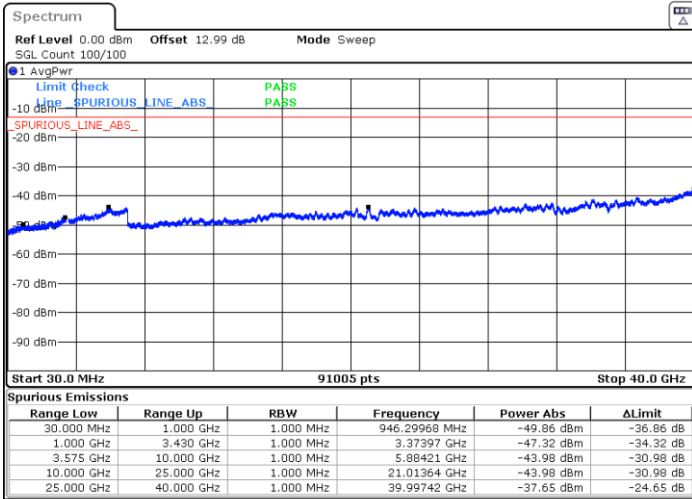
Middle Channel / 1RB1



Date: 30.MAY.2022 20:09:12

Date: 30.MAY.2022 20:10:39

Highest Channel / 1RB1



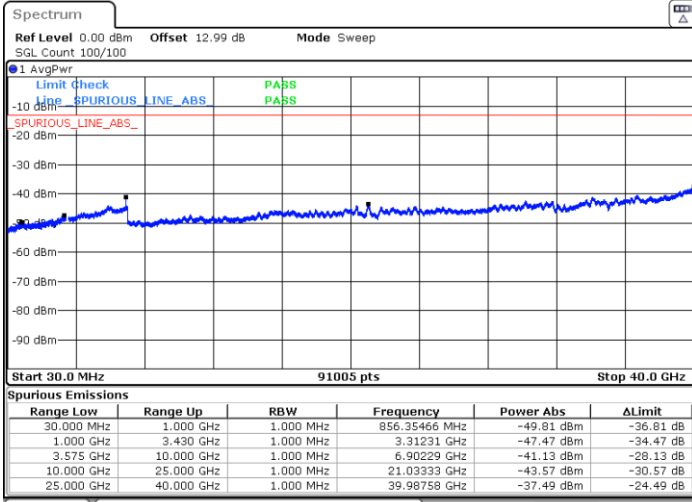
Date: 30.MAY.2022 20:01:18



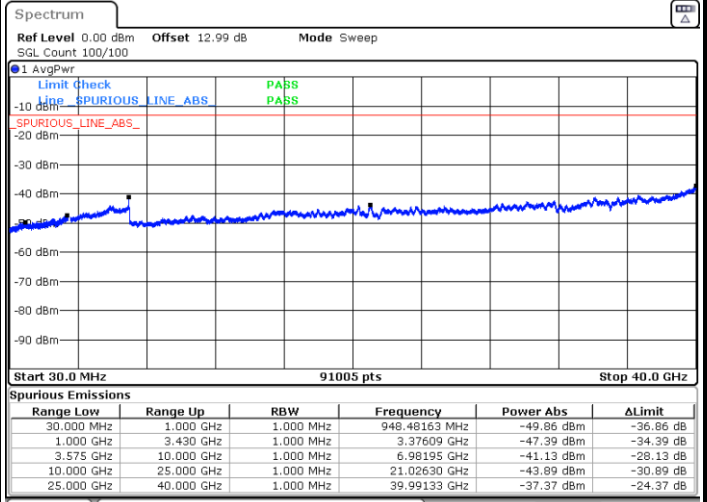
FR1 n78 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

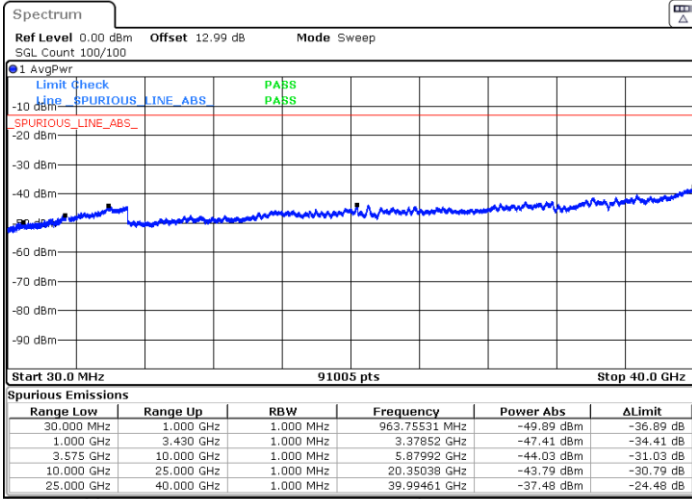


Date: 30.MAY.2022 20:07:26



Date: 30.MAY.2022 20:12:41

Highest Channel / 1RB1



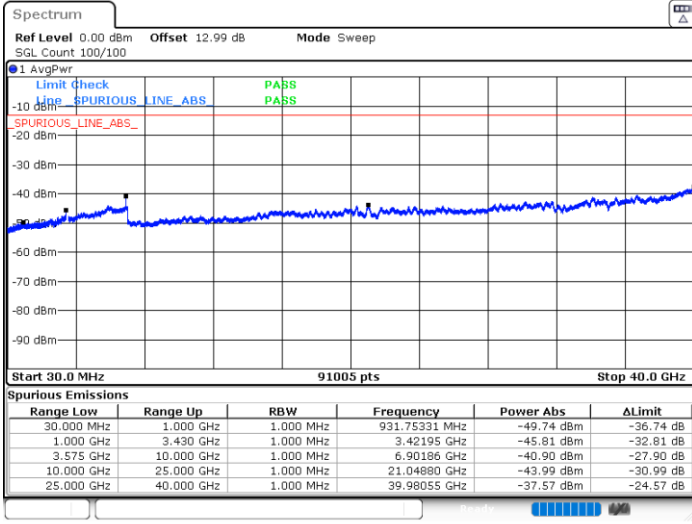
Date: 30.MAY.2022 20:05:59



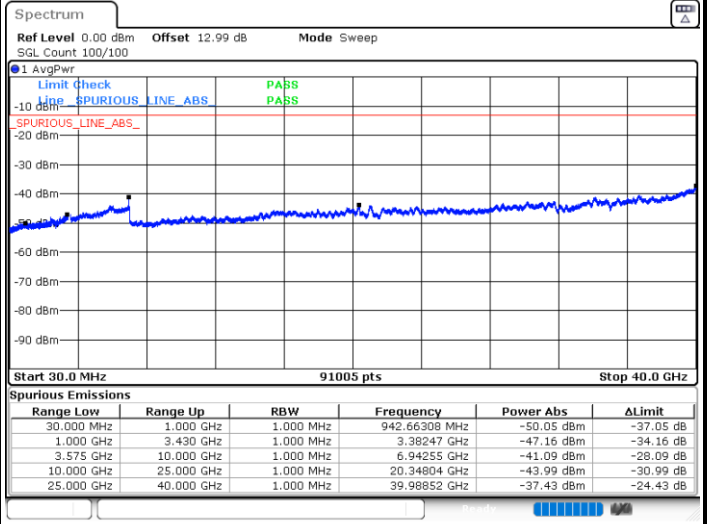
FR1 n78 /60MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

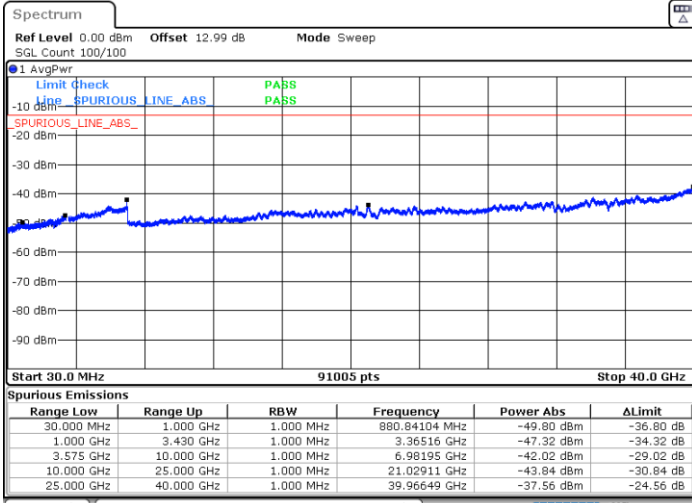


Date: 30.MAY.2022 20:29:04



Date: 30.MAY.2022 20:14:37

Highest Channel / 1RB1



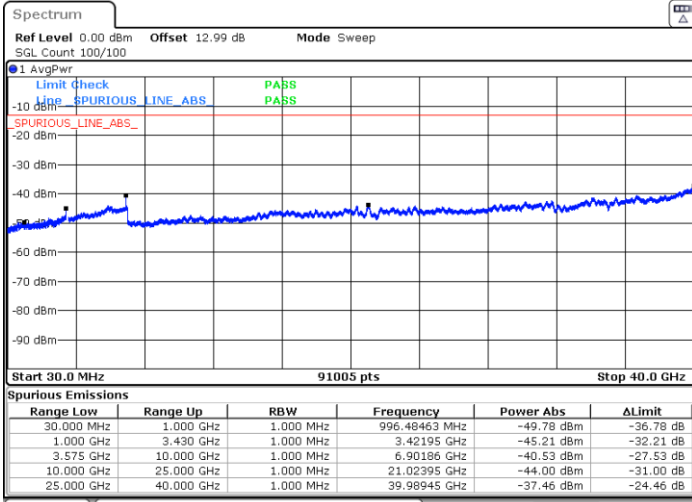
Date: 30.MAY.2022 20:20:18



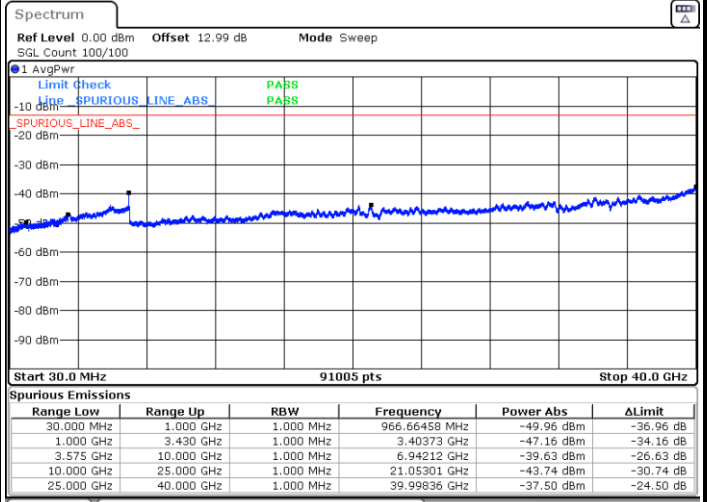
FR1 n78 /60MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

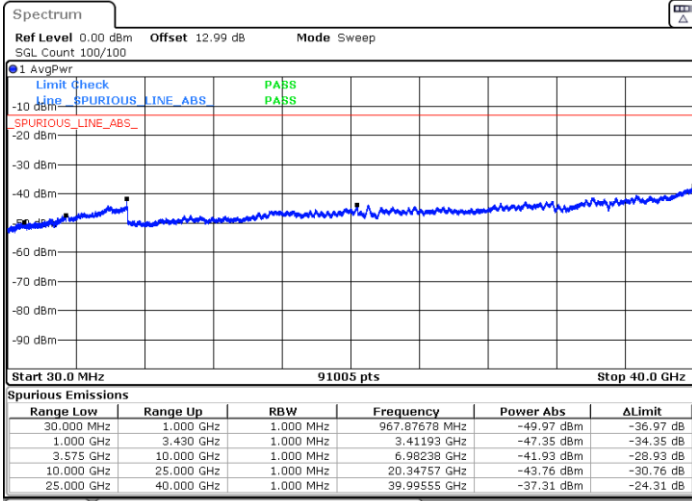


Date: 30.MAY.2022 20:31:07



Date: 30.MAY.2022 20:16:04

Highest Channel / 1RB1

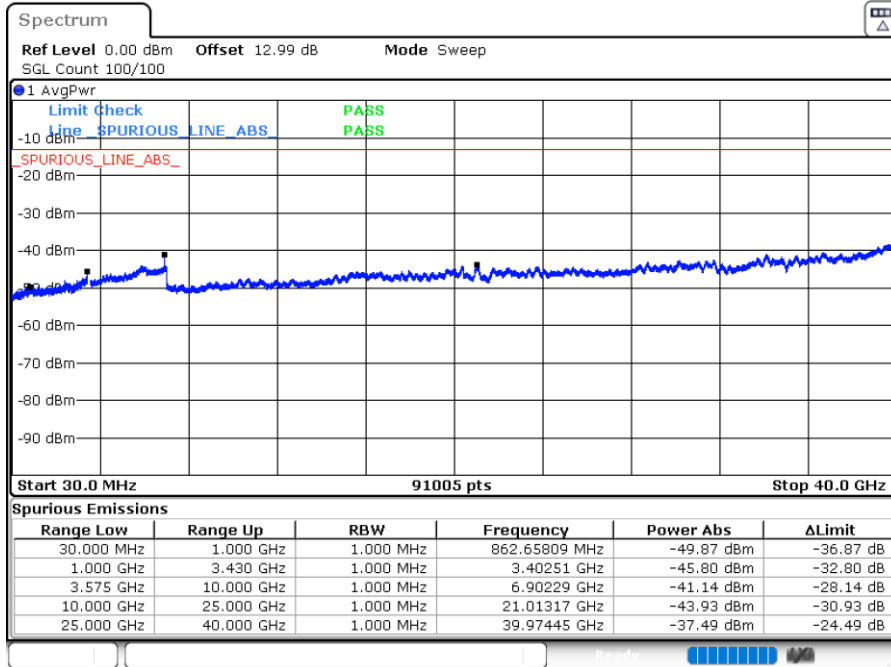


Date: 30.MAY.2022 20:17:37



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

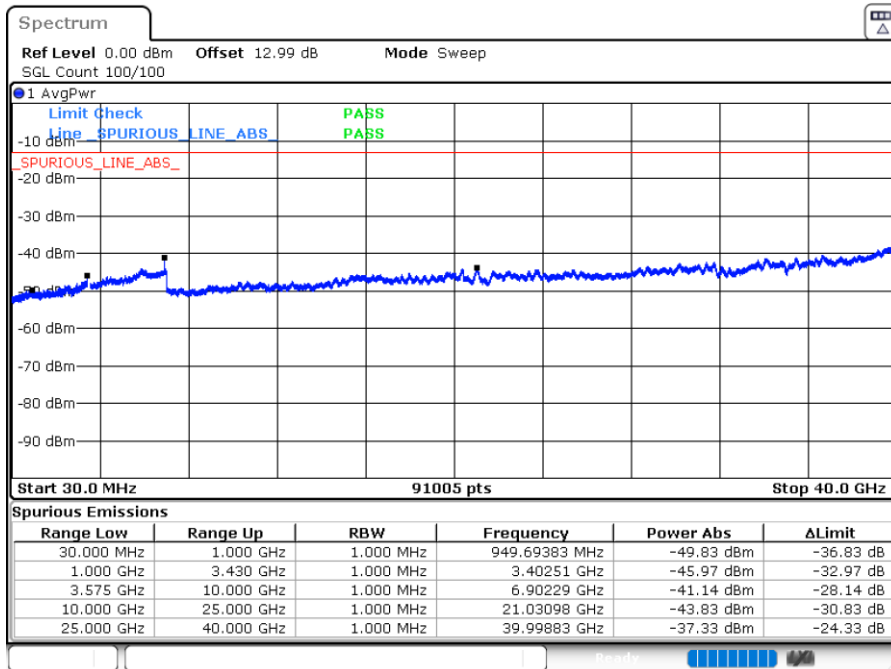
Middle Channel / 1RB1



Date: 30.MAY.2022 20:34:50

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

Middle Channel / 1RB1



Date: 30.MAY.2022 20:33:28

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0035	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0046	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0026	
20	Battery End Point	0.0031	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

n78 SA / NR 100MHz / QPSK / ANT3								
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	6900	-34.32	-13	-21.32	-44.80	2.76	13.24	H
	10356	-43.66	-13	-30.66	-53.25	3.42	13.01	H
	13800	-51.51	-13	-38.51	-61.12	3.83	13.44	H
	17256	-36.98	-13	-23.98	-46.00	4.41	13.43	H
	6900	-41.21	-13	-28.21	-51.65	2.80	13.24	V
	10356	-39.13	-13	-26.13	-48.68	3.46	13.01	V
	13800	-58.01	-13	-45.01	-67.57	3.88	13.44	V
	17256	-37.87	-13	-24.87	-46.84	4.46	13.43	V

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

EN-DC_13A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT3(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	6900	-35.97	-13	-22.97	-46.45	2.76	13.24	H
	10356	-55.38	-13	-42.38	-64.97	3.42	13.01	H
	13806	-51.81	-13	-38.81	-61.42	3.83	13.44	H
	17256	-37.51	-13	-24.51	-46.53	4.41	13.43	H
	6900	-54.47	-13	-41.47	-64.91	2.80	13.24	V
	10356	-51.30	-13	-38.30	-60.85	3.46	13.01	V
	13806	-57.51	-13	-44.51	-67.07	3.88	13.44	V
	17256	-47.05	-13	-34.05	-56.02	4.46	13.43	V

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

———— THE END ————