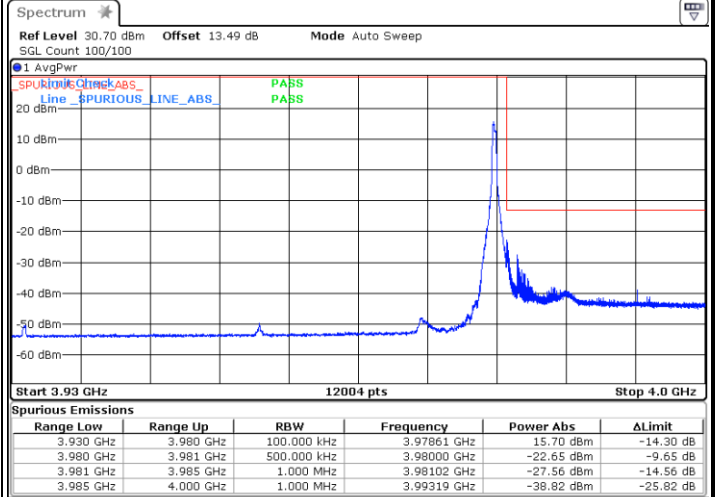
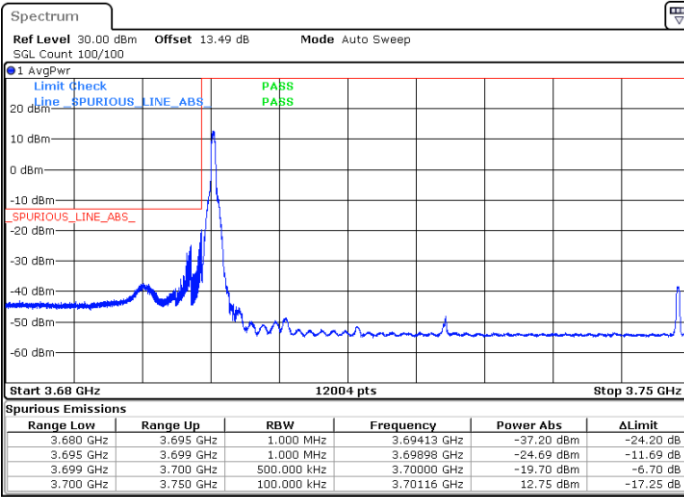




FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

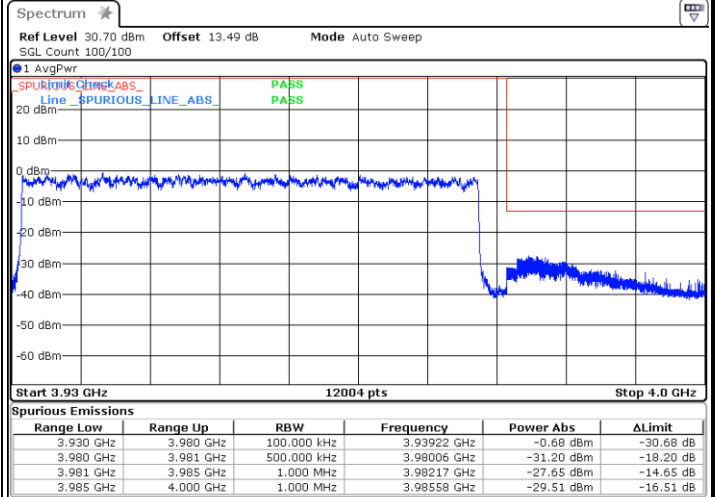
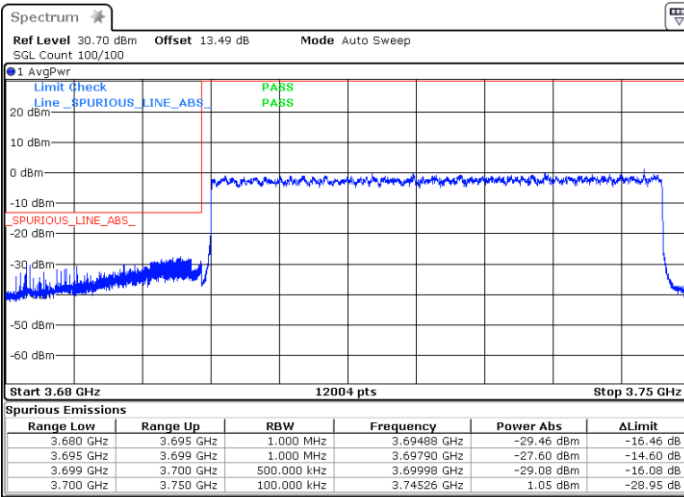


Date: 9.SEP.2022 01:37:35

Date: 9.SEP.2022 01:44:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.SEP.2022 01:38:43

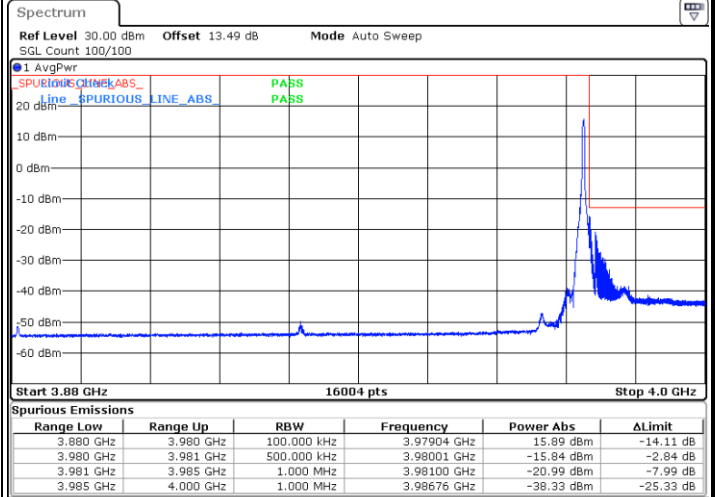
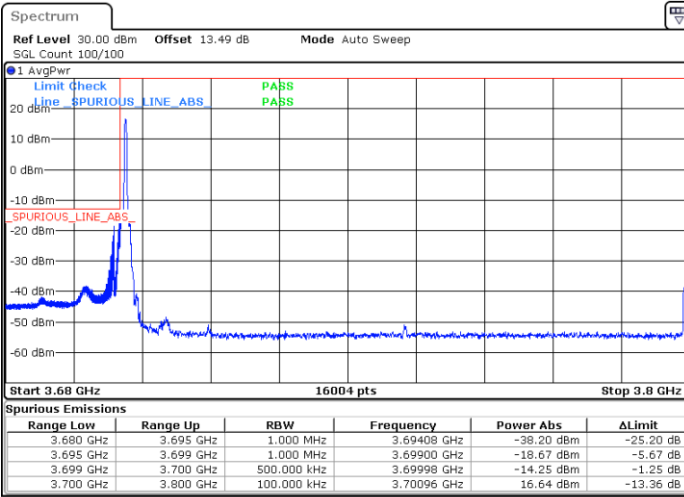
Date: 9.SEP.2022 01:43:16



FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

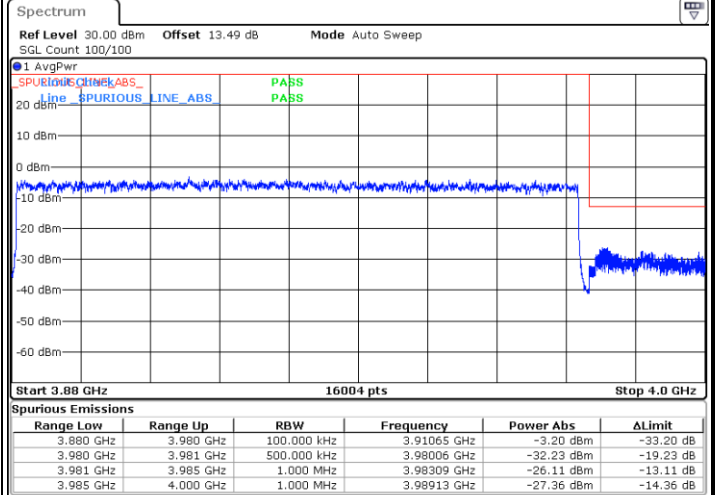
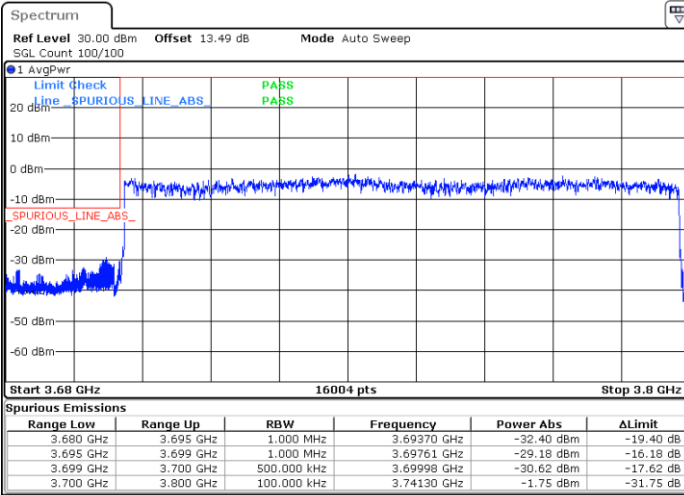


Date: 9.SEP.2022 01:06:10

Date: 9.SEP.2022 01:14:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.SEP.2022 01:10:35

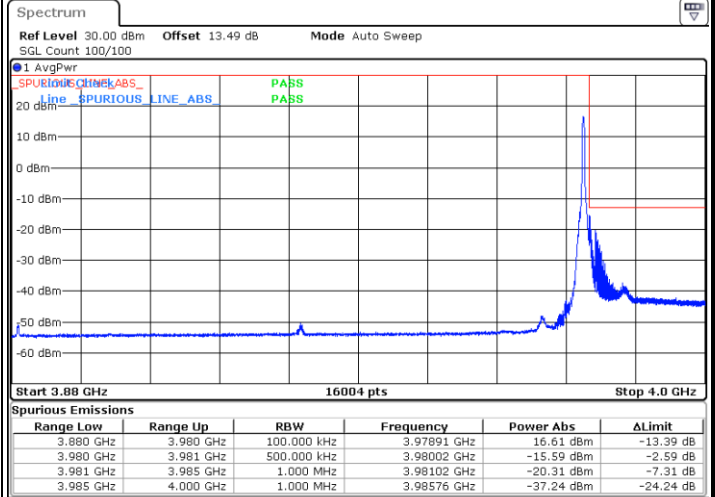
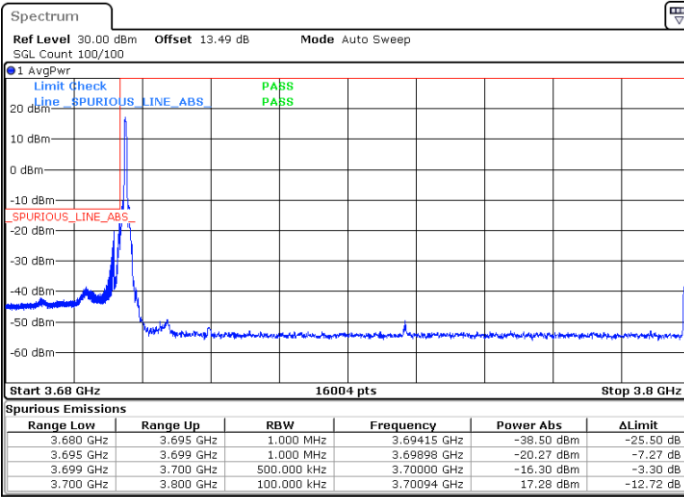
Date: 9.SEP.2022 01:11:43



FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

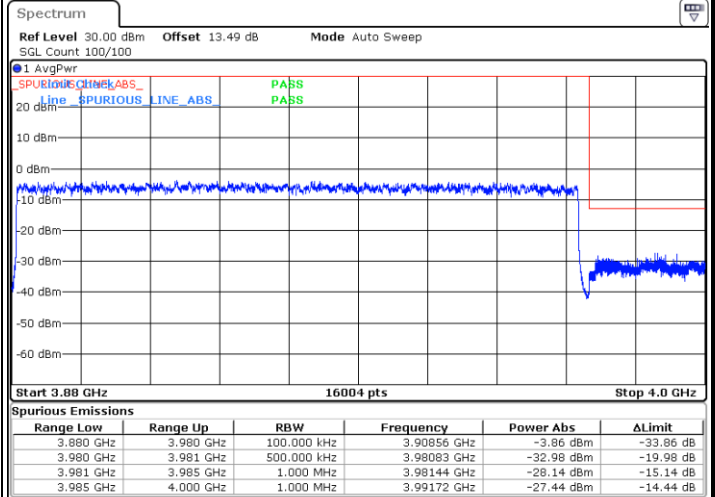
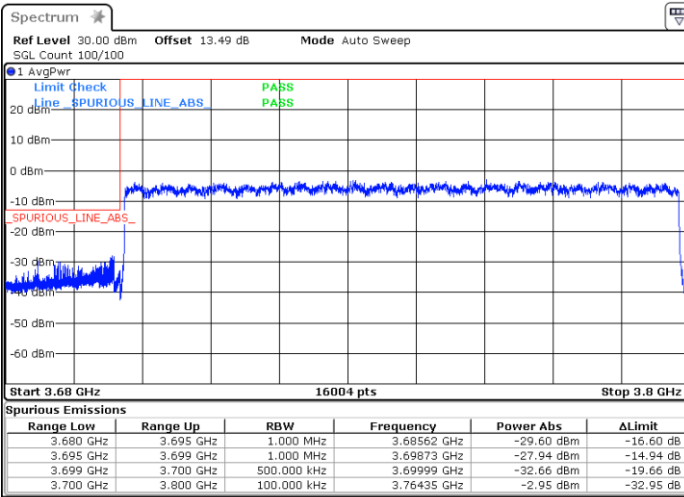


Date: 9.SEP.2022 01:08:48

Date: 9.SEP.2022 01:13:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.SEP.2022 01:09:55

Date: 9.SEP.2022 01:12:36

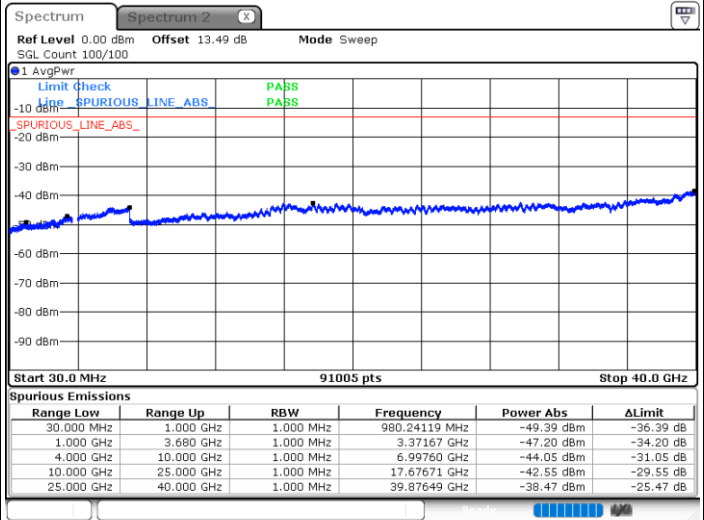
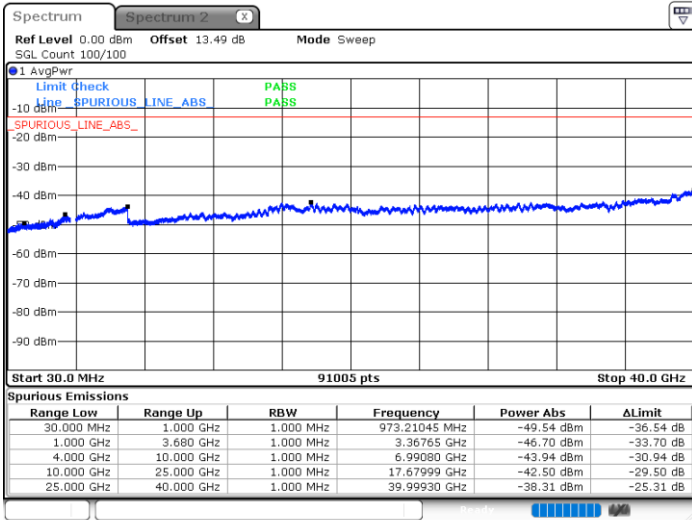


Conducted Spurious Emission

FR1 n77 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

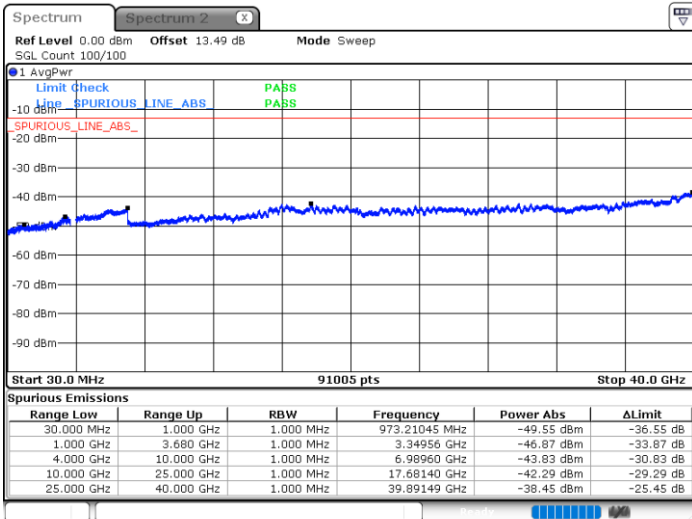
Middle Channel / 1RB1



Date: 15.SEP.2022 08:37:02

Date: 15.SEP.2022 08:38:19

Highest Channel / 1RB1



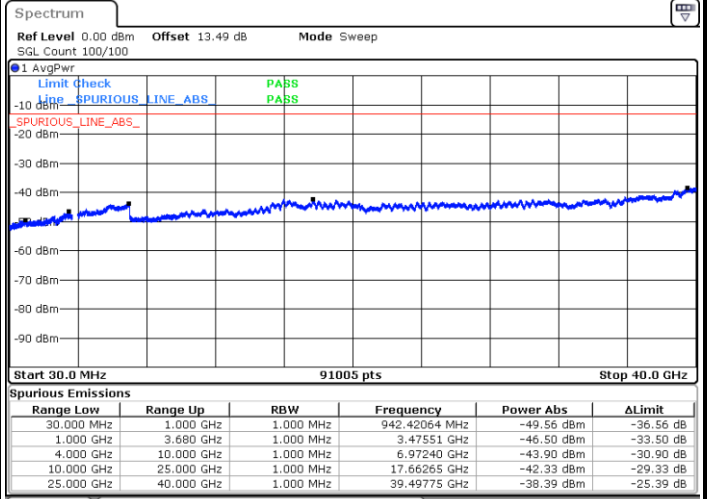
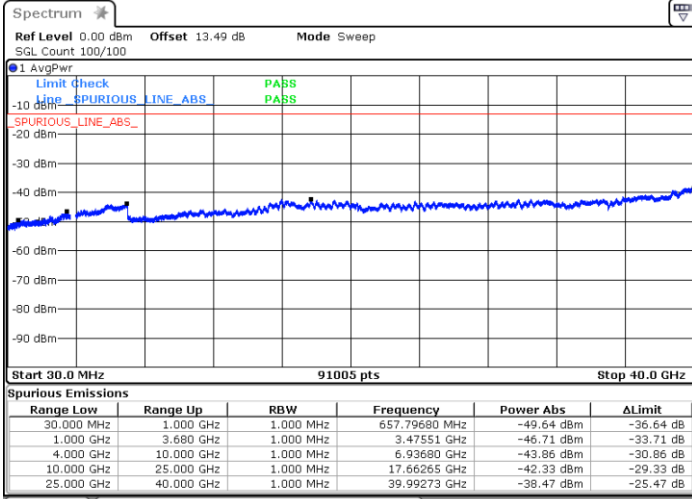
Date: 15.SEP.2022 08:39:28



FR1 n77 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

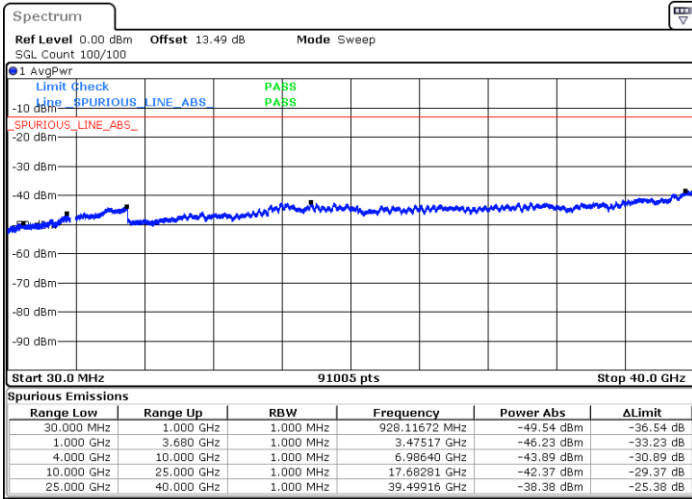
Middle Channel / 1RB1



Date: 9.SEP.2022 15:44:17

Date: 9.SEP.2022 15:46:27

Highest Channel / 1RB1



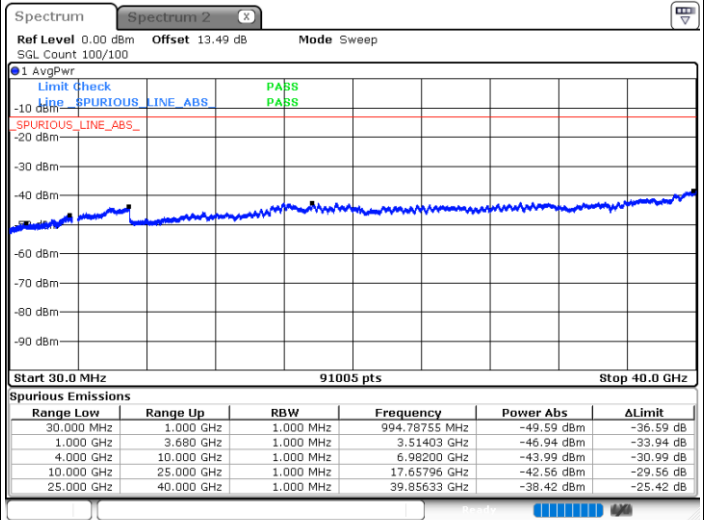
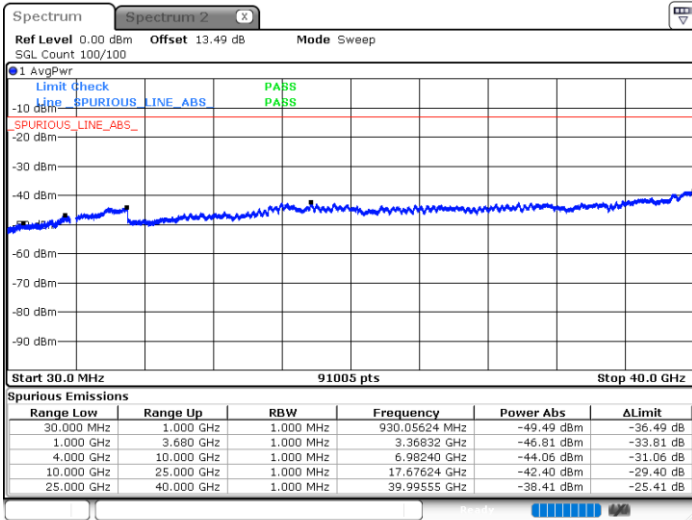
Date: 9.SEP.2022 15:47:44



FR1 n77 /50MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

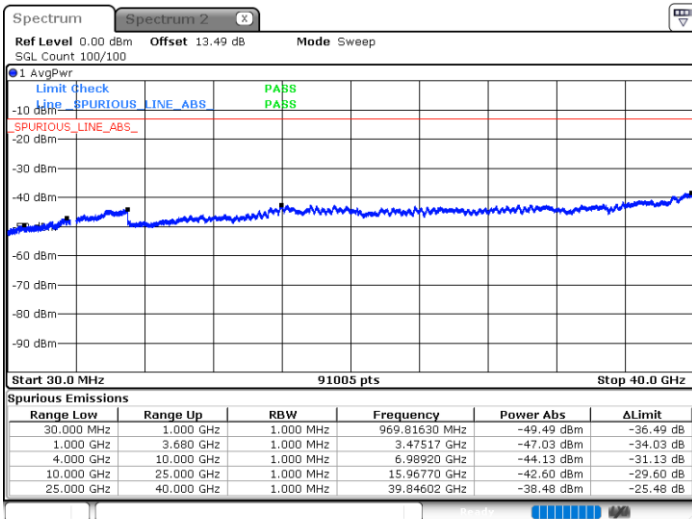
Middle Channel / 1RB1



Date: 15_SEP.2022 08:41:01

Date: 15_SEP.2022 08:42:16

Highest Channel / 1RB1



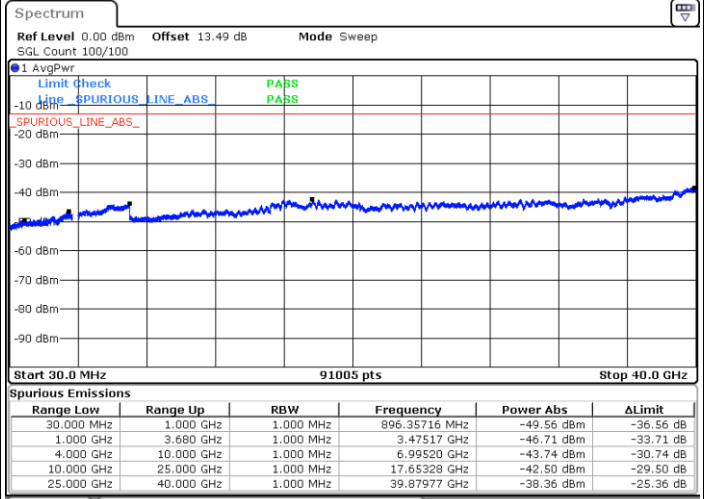
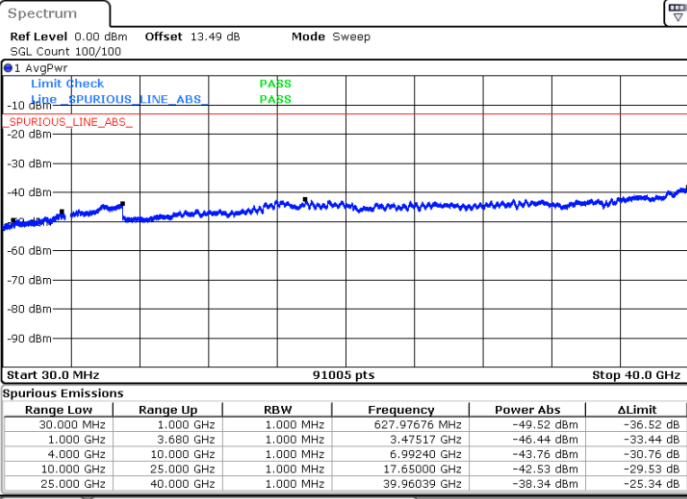
Date: 15_SEP.2022 08:43:34



FR1 n77 /50MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

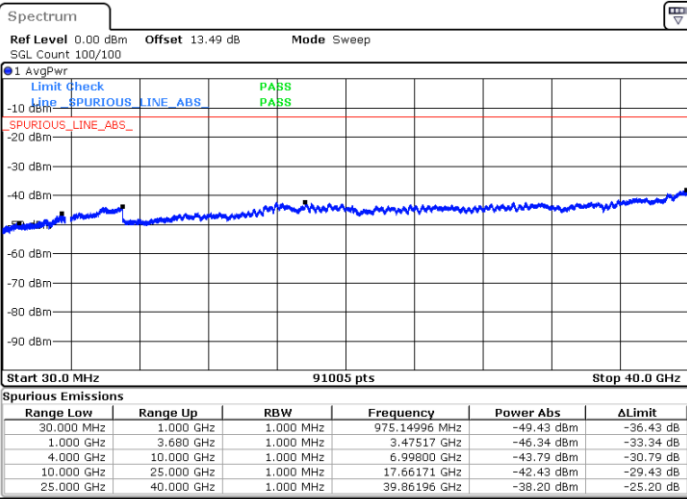
Middle Channel / 1RB1



Date: 9.SEP.2022 15:49:23

Date: 9.SEP.2022 15:53:19

Highest Channel / 1RB1



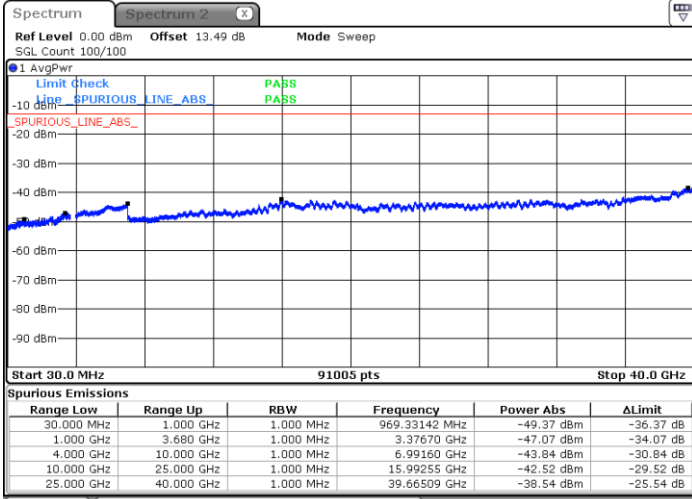
Date: 9.SEP.2022 15:55:28



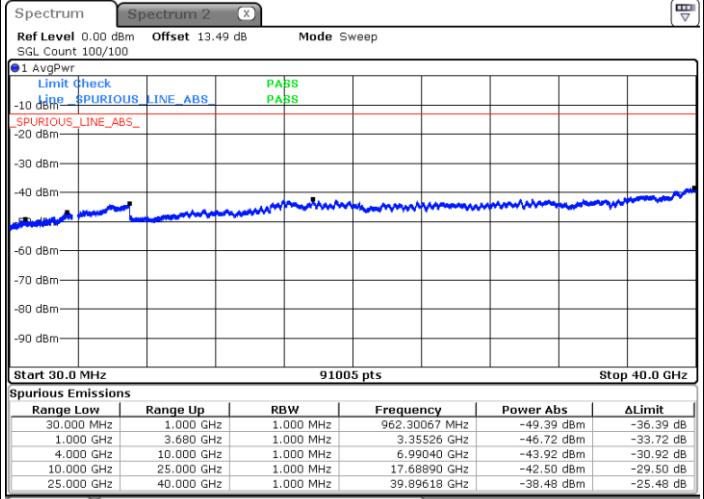
FR1 n77 /100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

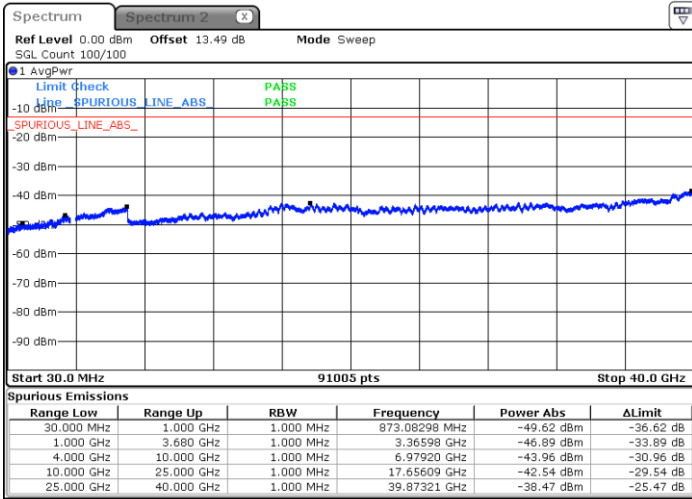


Date: 15.SEP.2022 08:49:44



Date: 15.SEP.2022 08:48:39

Highest Channel / 1RB1



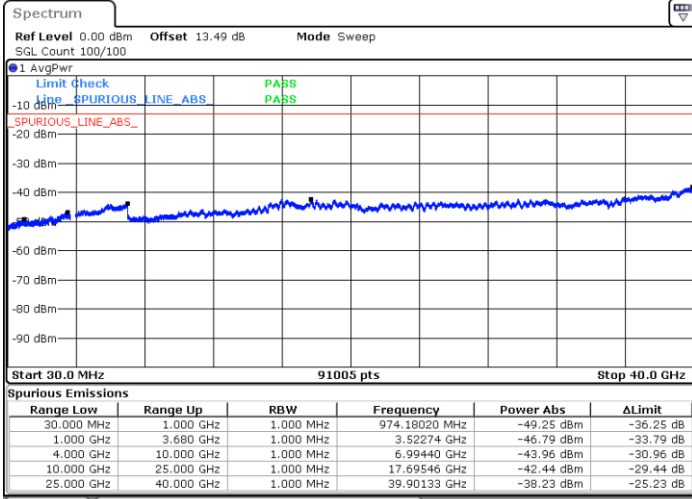
Date: 15.SEP.2022 08:47:15



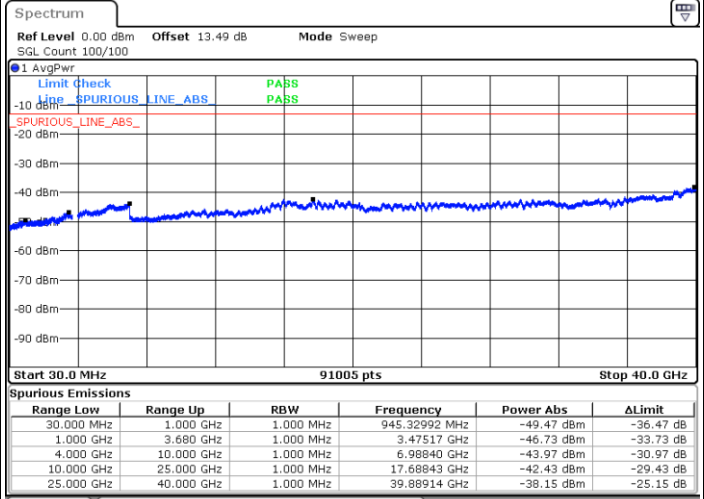
FR1 n77 /100MHz / DFT-S OFDM /QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

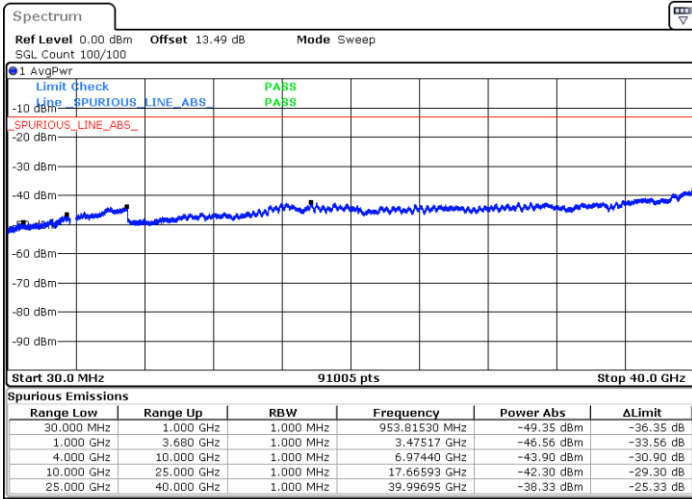


Date: 9.SEP.2022 15:57:04



Date: 9.SEP.2022 15:58:17

Highest Channel / 1RB1



Date: 9.SEP.2022 16:00:01



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0038	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. 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.

SA n7 / NR 40MHz / QPSK / ANT1								
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	5032	-61.85	-25	-36.85	-72.06	3.03	13.24	H
	7548	-55.52	-25	-30.52	-64.97	3.56	13.01	H
	10070	-61.68	-25	-36.68	-71.20	3.92	13.44	H
	5032	-62.99	-25	-37.99	-73.20	3.03	13.24	V
	7548	-53.83	-25	-28.83	-63.28	3.56	13.01	V
	10070	-61.86	-25	-36.86	-71.38	3.92	13.44	V

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

EN-DC_66A_n7A / LTE 20MHz + NR 40MHz / QPSK / ANT2(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	5032	-63.53	-25	-38.53	-73.74	3.03	13.24	H
	7548	-63.08	-25	-38.08	-73.29	3.03	13.24	H
	10070	-60.75	-25	-35.75	-70.20	3.56	13.01	H
	5032	-63.88	-25	-38.88	-74.09	3.03	13.24	V
	7548	-60.29	-25	-35.29	-70.50	3.03	13.24	V
	10070	-61.34	-25	-36.34	-70.79	3.56	13.01	V

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



SA n41 / NR 100MHz / QPSK / ANT1								
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	5088	-61.56	-25	-36.56	-71.77	3.03	13.24	H
	7644	-62.43	-25	-37.43	-71.88	3.56	13.01	H
	10190	-61.63	-25	-36.63	-71.15	3.92	13.44	H
	5088	-61.97	-25	-36.97	-72.18	3.03	13.24	V
	7644	-62.39	-25	-37.39	-71.84	3.56	13.01	V
	10190	-62.00	-25	-37.00	-71.52	3.92	13.44	V

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

SA n41 UL MIMO / NR 100MHz / QPSK / ANT2+1								
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	5096	-63.95	-25	-38.95	-74.16	3.03	13.24	H
	7644	-62.96	-25	-37.96	-72.41	3.56	13.01	H
	10190	-60.59	-25	-35.59	-70.11	3.92	13.44	H
	5096	-63.45	-25	-38.45	-73.66	3.03	13.24	V
	7644	-62.76	-25	-37.76	-72.21	3.56	13.01	V
	10190	-60.78	-25	-35.78	-70.30	3.92	13.44	V

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

SA n77 / NR 100MHz / QPSK / ANT9								
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	7590	-62.31	-13	-49.31	-72.79	2.76	13.24	H
	11376	-50.88	-13	-37.88	-60.47	3.42	13.01	H
	15180	-59.64	-13	-46.64	-69.25	3.83	13.44	H
	7590	-61.66	-13	-48.66	-72.10	2.80	13.24	V
	11376	-47.21	-13	-34.21	-56.76	3.46	13.01	V
	15180	-55.46	-13	-42.46	-65.02	3.88	13.44	V

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



EN-DC_41A_n77A / LTE 20MHz + NR 100MHz / QPSK / ANT2(LTE) & ANT9(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	7584	-59.51	-13	-46.51	-69.99	2.76	13.24	H
	11376	-44.23	-13	-31.23	-53.82	3.42	13.01	H
	15168	-54.20	-13	-41.20	-63.81	3.83	13.44	H
	7584	-59.63	-13	-46.63	-70.07	2.80	13.24	V
	11376	-42.81	-13	-29.81	-52.36	3.46	13.01	V
	15168	-52.21	-13	-39.21	-61.77	3.88	13.44	V

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

SA n78 / NR 100MHz / QPSK / ANT9								
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	-61.72	-13	-48.72	-72.20	2.76	13.24	H
	11106	-46.15	-13	-33.15	-55.74	3.42	13.01	H
	14808	-52.42	-13	-39.42	-62.03	3.83	13.44	H
	7404	-60.56	-13	-47.56	-71.00	2.80	13.24	V
	11106	-42.92	-13	-29.92	-52.47	3.46	13.01	V
	14808	-51.71	-13	-38.71	-61.27	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 / ANT2(LTE) & ANT9(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	-57.34	-13	-44.34	-67.82	2.76	13.24	H
	11106	-38.10	-13	-25.10	-47.69	3.42	13.01	H
	14808	-47.56	-13	-34.56	-57.17	3.83	13.44	H
	7404	-57.64	-13	-44.64	-68.08	2.80	13.24	V
	11106	-34.60	-13	-21.60	-44.15	3.46	13.01	V
	14808	-47.87	-13	-34.87	-57.43	3.88	13.44	V

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