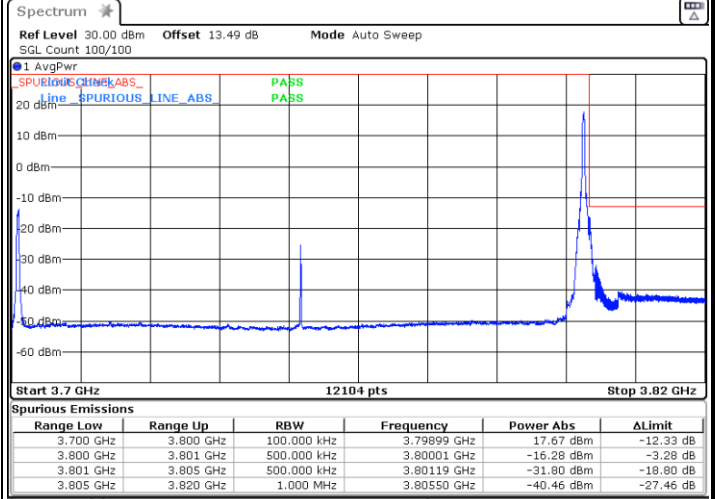
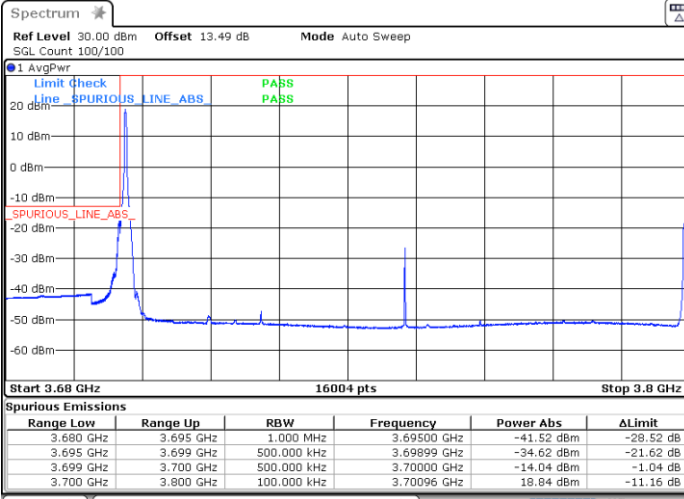




FR1 n78 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

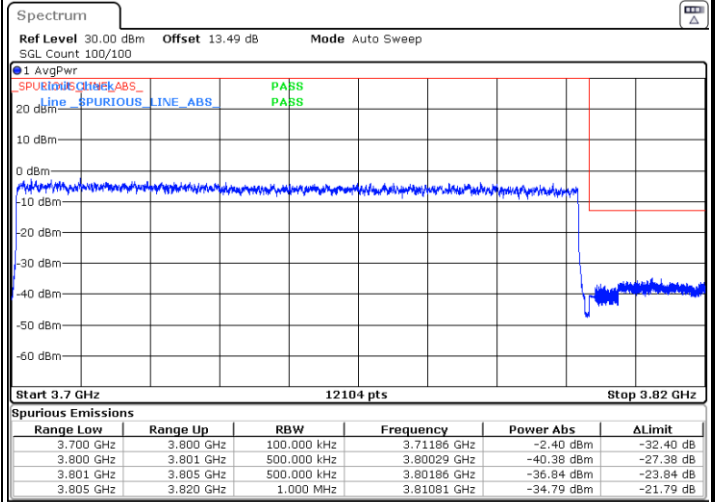
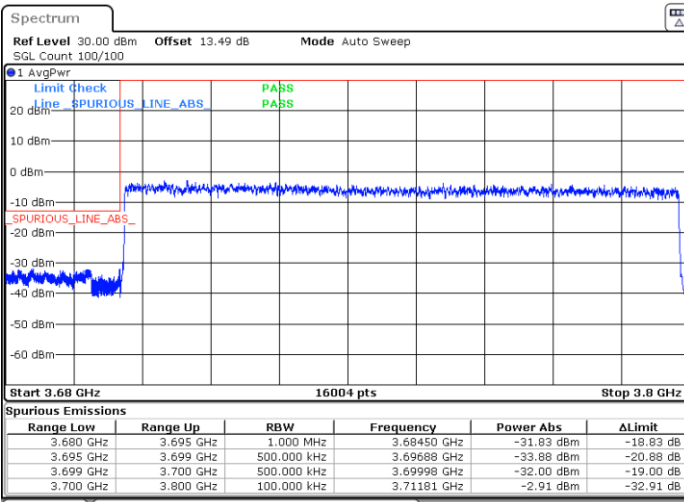


Date: 13.MAR.2022 12:27:40

Date: 13.MAR.2022 12:53:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2022 12:30:12

Date: 13.MAR.2022 12:51:50

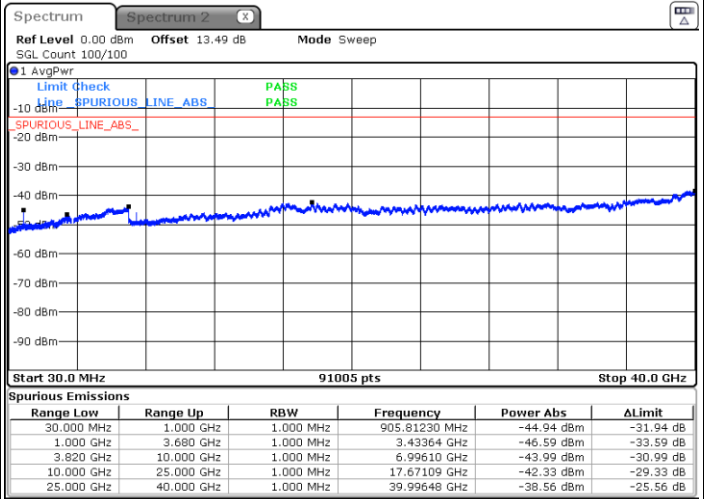
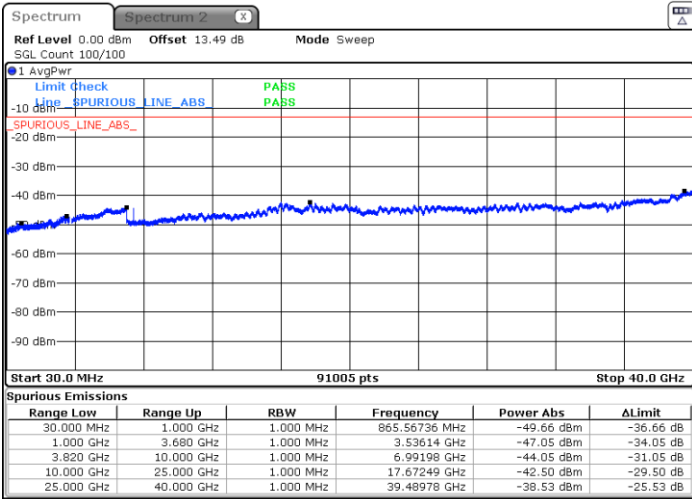


Conducted Spurious Emission

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

Lowest Channel / 1RB1

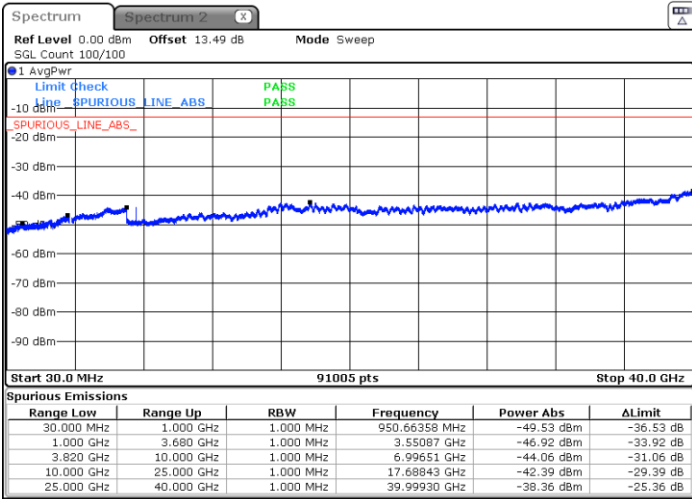
Middle Channel / 1RB1



Date: 12.MAR.2022 16:39:04

Date: 12.MAR.2022 16:44:54

Highest Channel / 1RB1



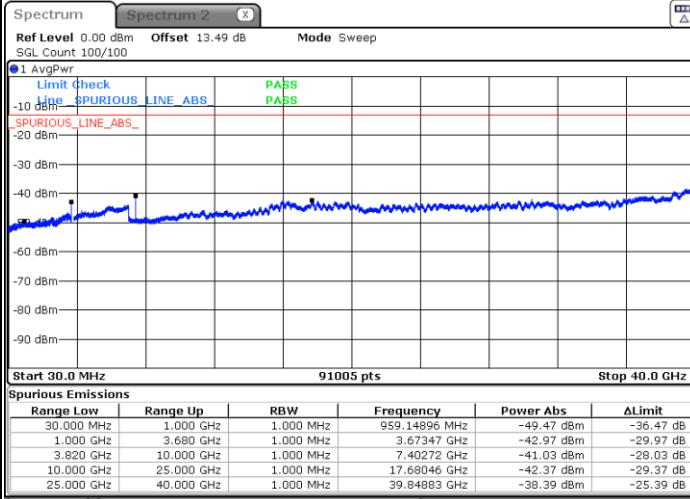
Date: 12.MAR.2022 16:46:17



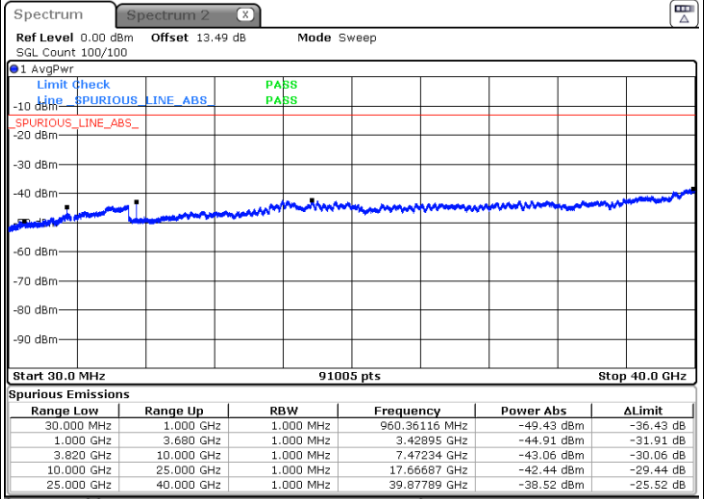
FR1 n78 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

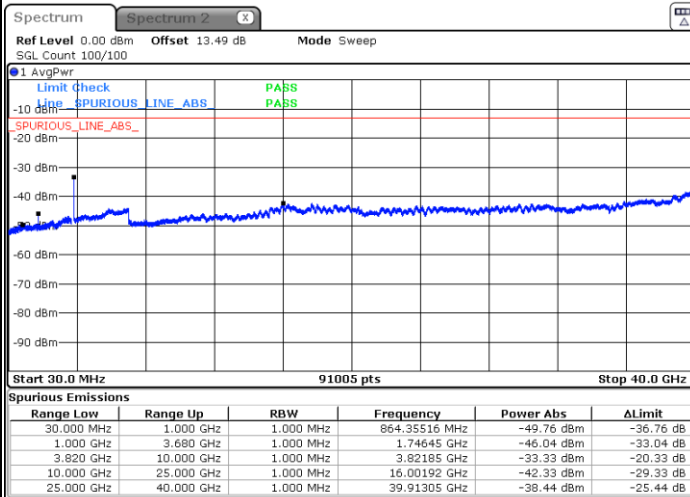


Date: 12.MAR.2022 16:48:34



Date: 12.MAR.2022 16:50:11

Highest Channel / 1RB1



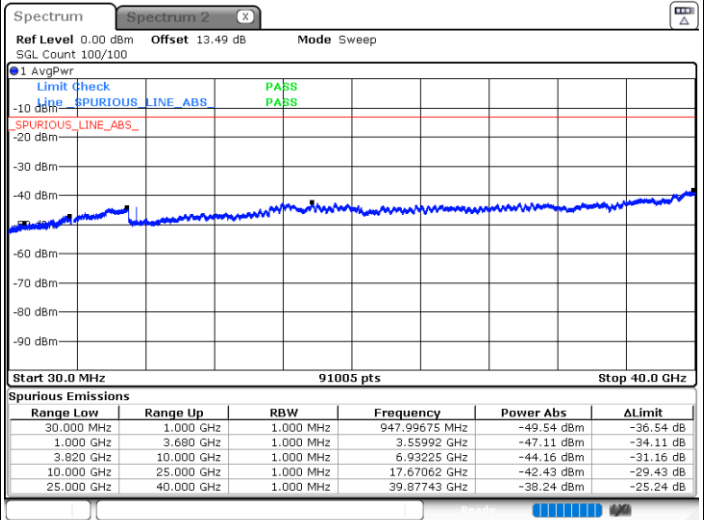
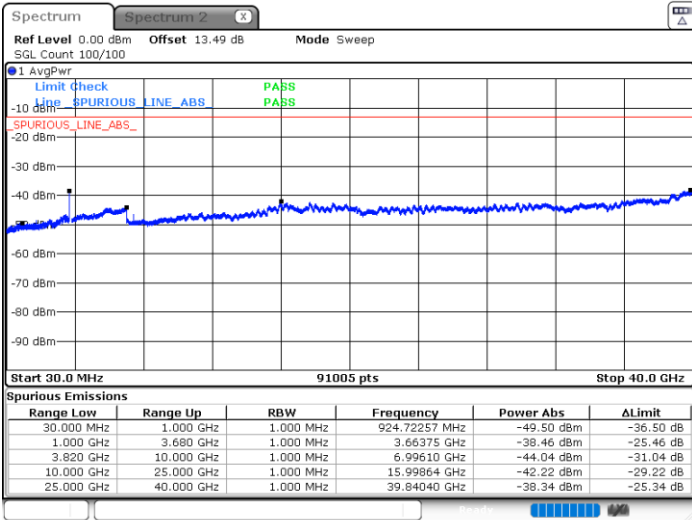
Date: 12.MAR.2022 16:59:07



FR1 n78 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

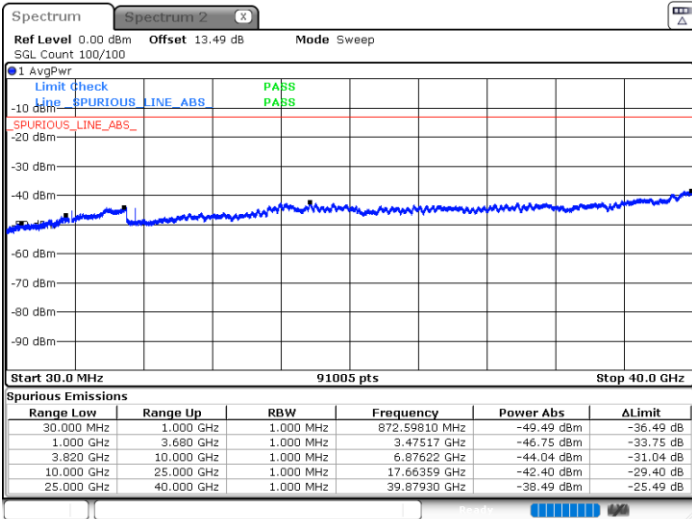
Middle Channel / 1RB1



Date: 12.MAR.2022 17:01:15

Date: 12.MAR.2022 17:03:23

Highest Channel / 1RB1



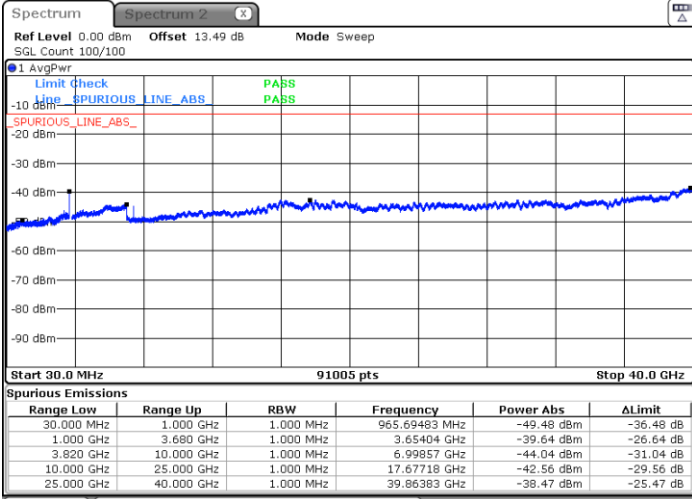
Date: 12.MAR.2022 17:04:56



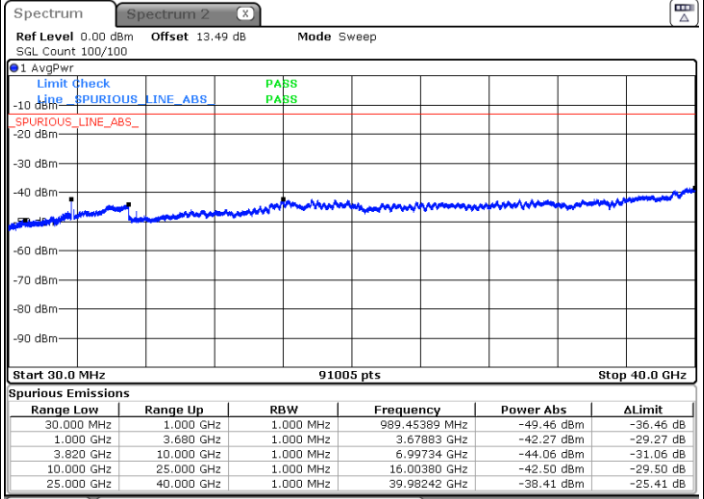
FR1 n78 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

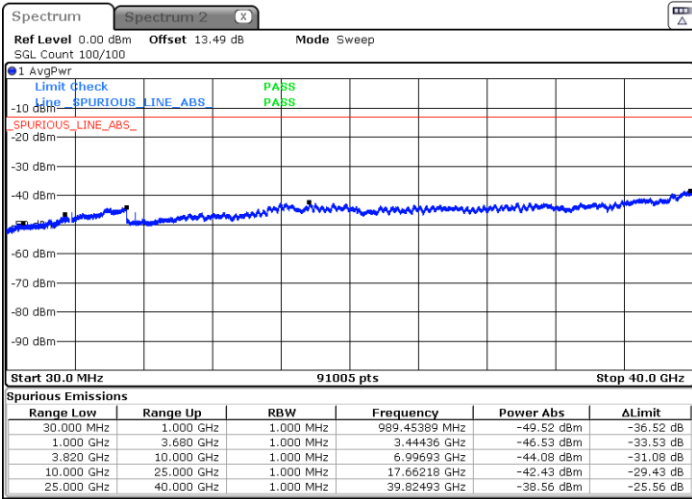


Date: 12.MAR.2022 17:06:58



Date: 12.MAR.2022 17:08:13

Highest Channel / 1RB1



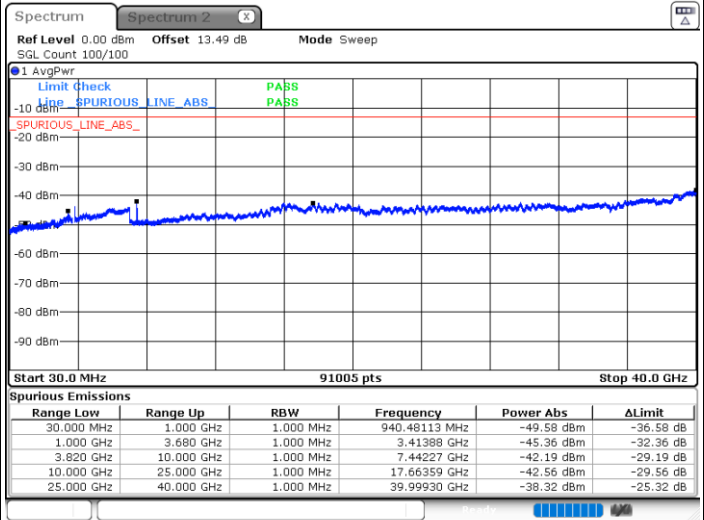
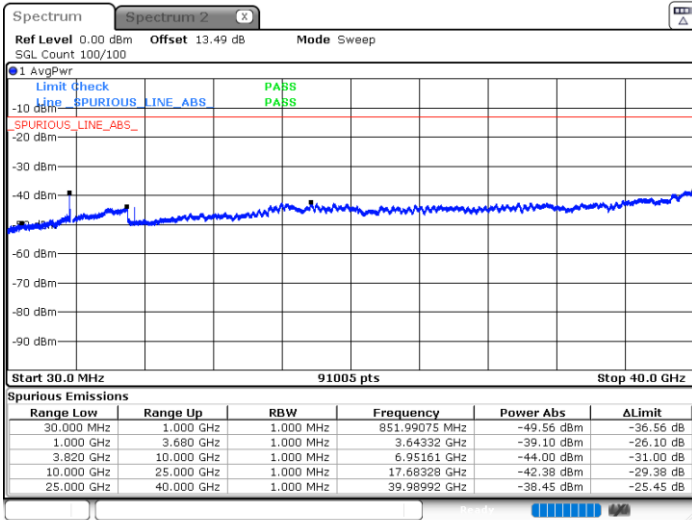
Date: 12.MAR.2022 17:10:52



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

Lowest Channel / 1RB1

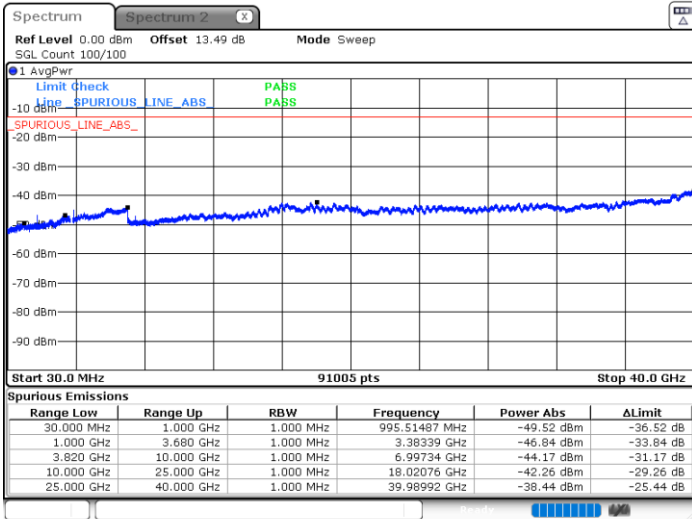
Middle Channel / 1RB1



Date: 12.MAR.2022 17:18:26

Date: 12.MAR.2022 17:20:05

Highest Channel / 1RB1



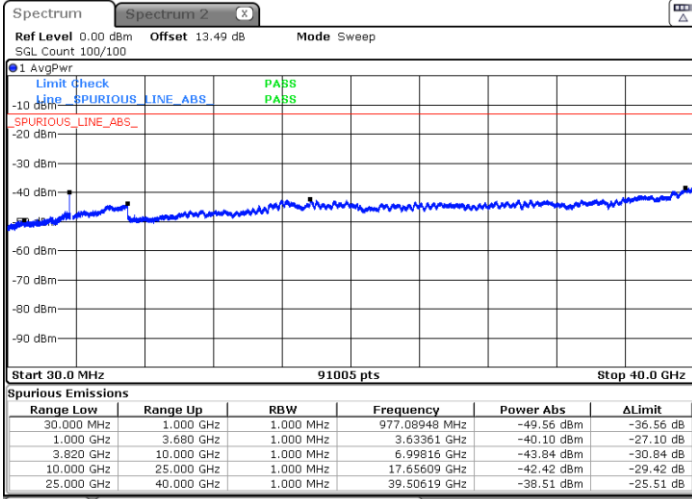
Date: 12.MAR.2022 17:21:25



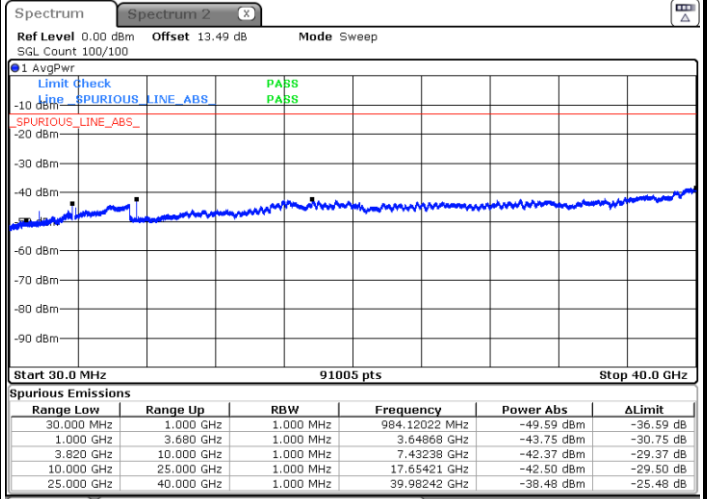
FR1 n78 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

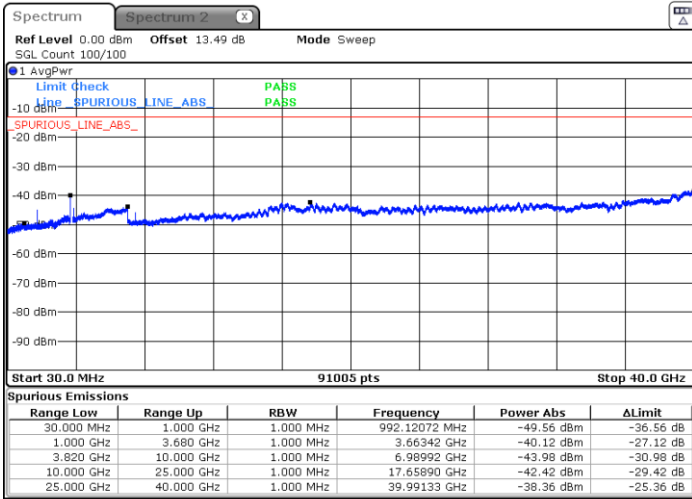


Date: 12.MAR.2022 17:24:57



Date: 12.MAR.2022 17:35:16

Highest Channel / 1RB1



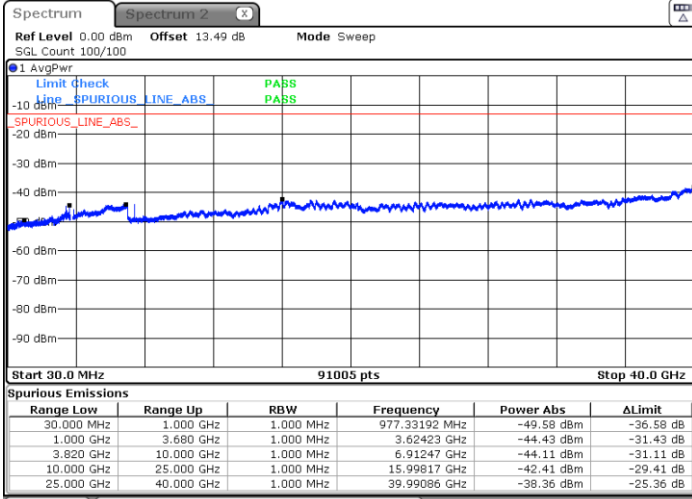
Date: 12.MAR.2022 17:36:33



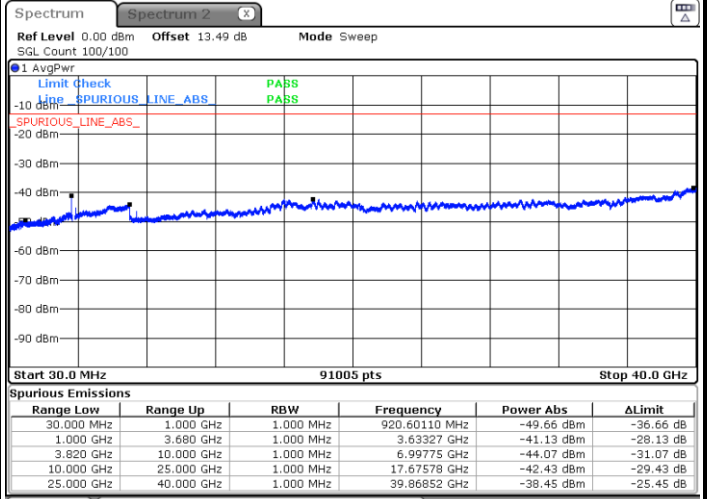
FR1 n78 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

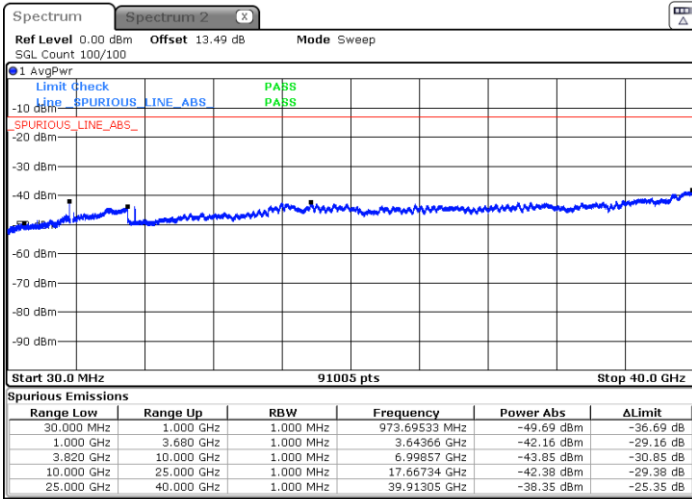


Date: 12.MAR.2022 17:58:26



Date: 12.MAR.2022 17:59:48

Highest Channel / 1RB1



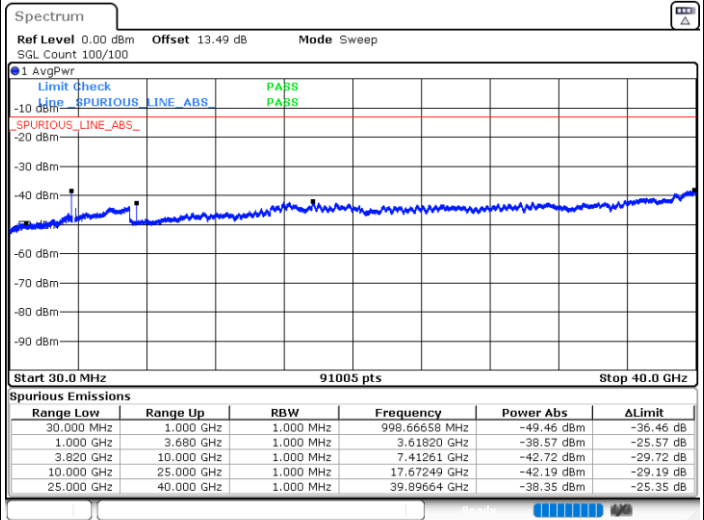
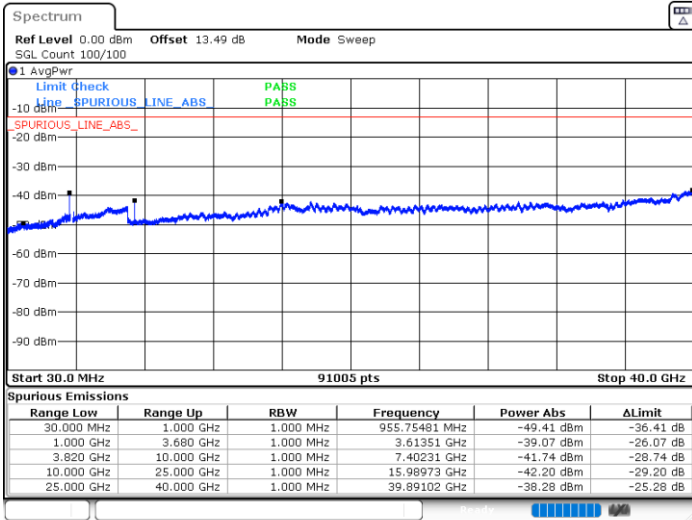
Date: 12.MAR.2022 18:01:59



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

Lowest Channel / 1RB1

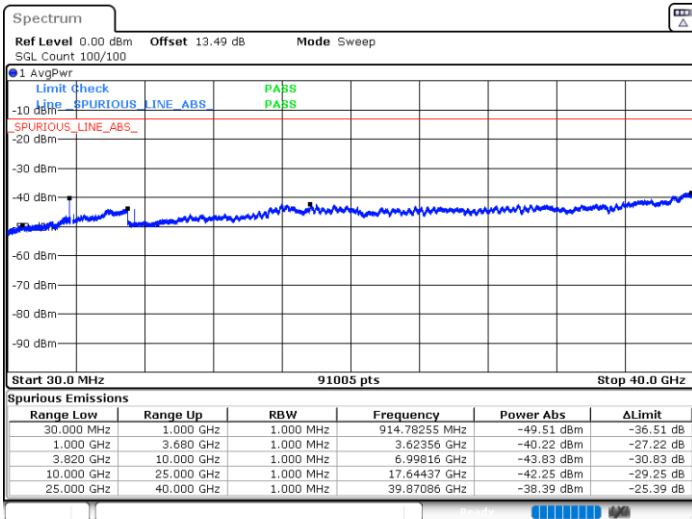
Middle Channel / 1RB1



Date: 13.MAR.2022 10:58:52

Date: 13.MAR.2022 10:56:02

Highest Channel / 1RB1

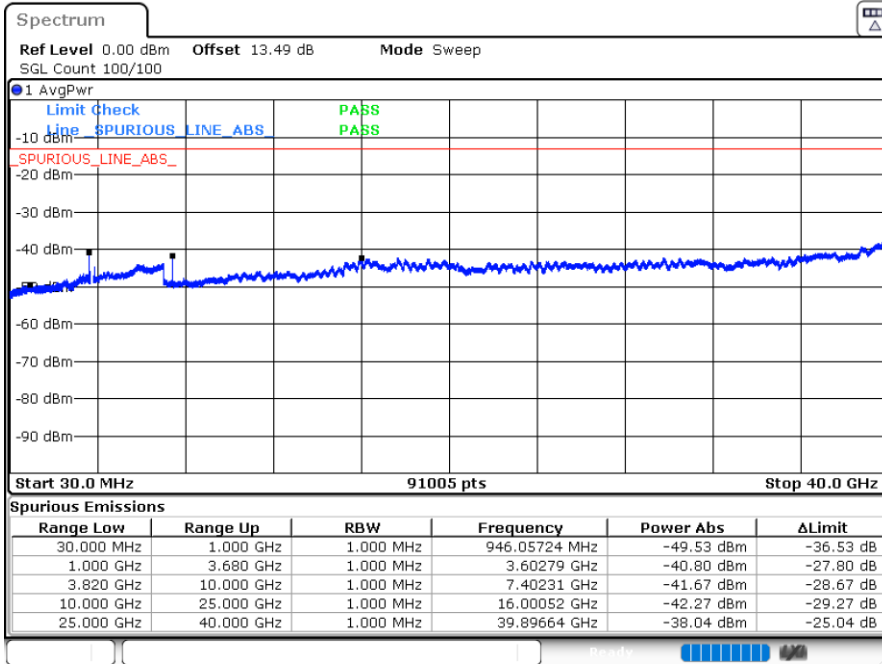


Date: 13.MAR.2022 11:02:37



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

Middle Channel / 1RB1



Date: 13.MAR.2022 14:02:48



Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0032	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; 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_7A_n5A / LTE 20MHz + NR 20MHz / QPSK / ANT0(LTE) & ANT1(NR)								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1656	-64.32	-13	-51.32	-71.29	1.58	10.70	H
	2480	-60.29	-13	-47.29	-68.54	2.10	12.50	H
	3312	-59.75	-13	-46.75	-68.64	2.86	13.90	H
	1656	-63.50	-13	-50.50	-70.47	1.58	10.70	V
	2480	-49.24	-13	-36.24	-57.49	2.10	12.50	V
	3312	-59.05	-13	-46.05	-67.94	2.86	13.90	V

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

SA n7 / 40MHz / QPSK / ANT0								
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	-64.84	-25	-39.84	-75.05	3.03	13.24	H
	7556	-63.92	-25	-38.92	-73.37	3.56	13.01	H
	10062	-63.04	-25	-38.04	-72.56	3.92	13.44	H
	5036	-64.49	-25	-39.49	-74.70	3.03	13.24	V
	7556	-64.05	-25	-39.05	-73.50	3.56	13.01	V
	10062	-63.00	-25	-38.00	-72.52	3.92	13.44	V

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



EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT5(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	-55.23	-13	-42.23	-65.71	2.76	13.24	H
	11376	-58.11	-13	-45.11	-67.70	3.42	13.01	H
	15180	-59.58	-13	-46.58	-69.19	3.83	13.44	H
	7584	-57.30	-13	-44.30	-67.74	2.80	13.24	V
	11376	-59.23	-13	-46.23	-68.78	3.46	13.01	V
	15180	-60.27	-13	-47.27	-69.83	3.88	13.44	V

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

SA n78 / 100MHz / QPSK / ANT5								
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	-54.16	-13	-41.16	-64.64	2.76	13.24	H
	11100	-53.27	-13	-40.27	-62.86	3.42	13.01	H
	14820	-60.53	-13	-47.53	-70.14	3.83	13.44	H
	7404	-60.16	-13	-47.16	-70.60	2.80	13.24	V
	11100	-60.56	-13	-47.56	-70.11	3.46	13.01	V
	14820	-60.56	-13	-47.56	-70.12	3.88	13.44	V

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

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT4(LTE) & ANT5(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	-57.29	-13	-44.29	-67.77	2.76	13.24	H
	11112	-60.39	-13	-47.39	-69.98	3.42	13.01	H
	14820	-60.28	-13	-47.28	-69.89	3.83	13.44	H
	7404	-60.66	-13	-47.66	-71.10	2.80	13.24	V
	11112	-59.99	-13	-46.99	-69.54	3.46	13.01	V
	14820	-60.42	-13	-47.42	-69.98	3.88	13.44	V

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