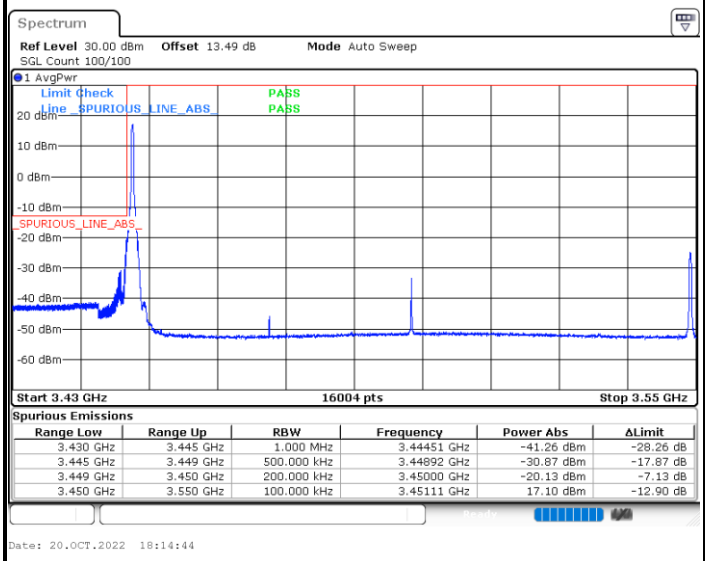
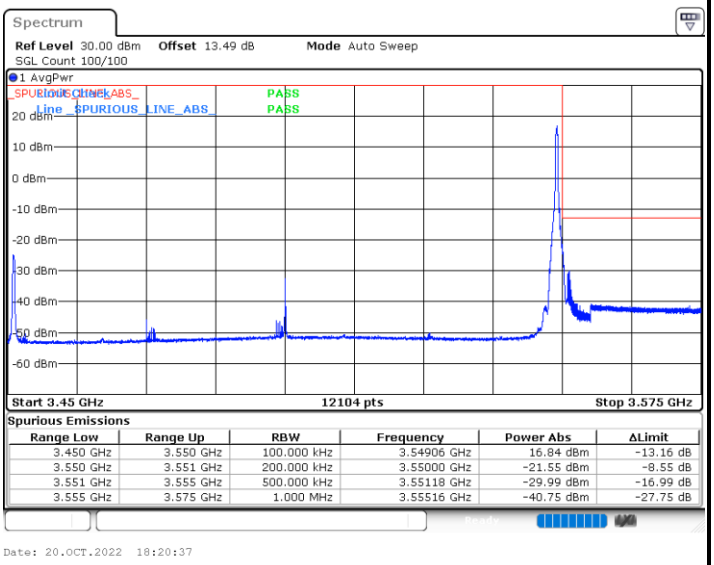
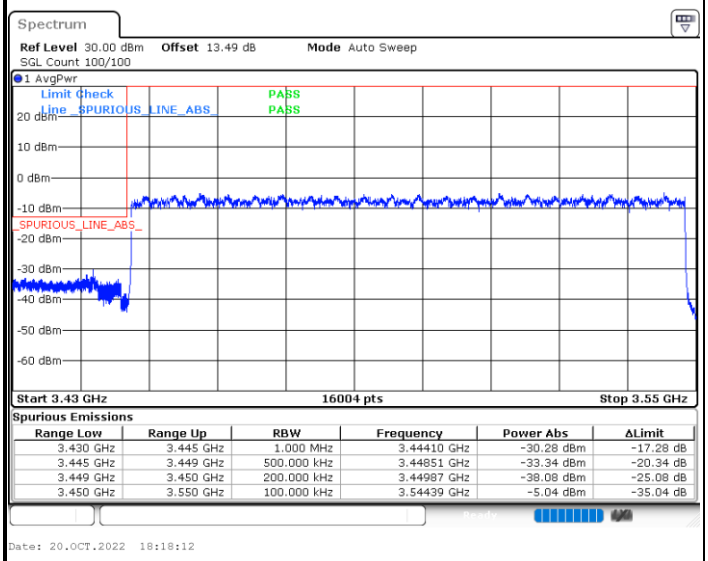
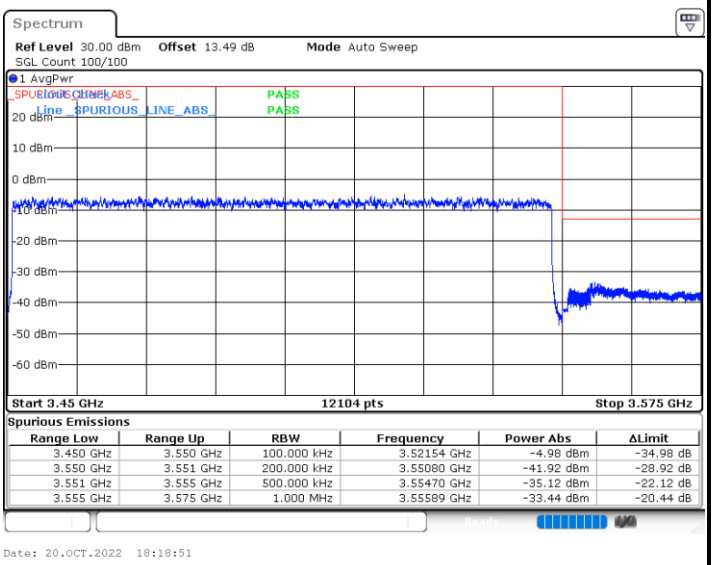
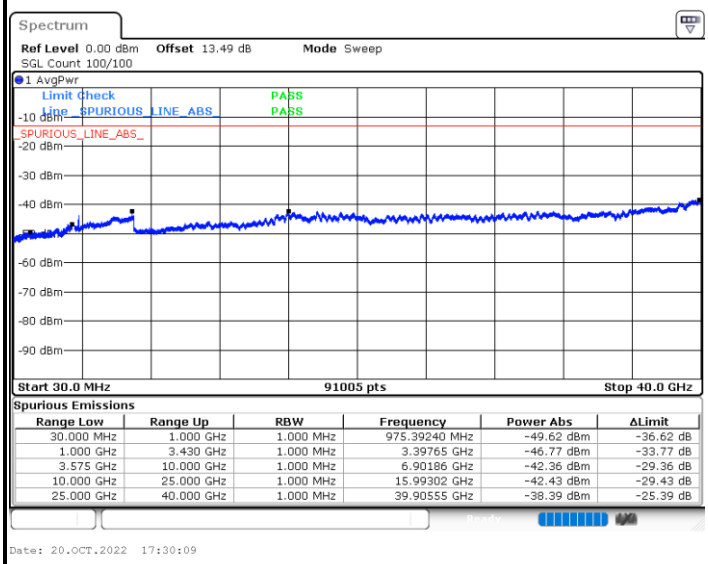
FR1 n78 / 100MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Conducted Spurious Emission

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

Lowest Channel / 1RB1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.39240 MHz	-49.62 dBm	-36.62 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.39765 GHz	-46.77 dBm	-33.77 dB
3.575 GHz	10.000 GHz	1.000 MHz	6.90186 GHz	-42.36 dBm	-29.36 dB
10.000 GHz	25.000 GHz	1.000 MHz	15.99302 GHz	-42.43 dBm	-29.43 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.90555 GHz	-38.39 dBm	-25.39 dB

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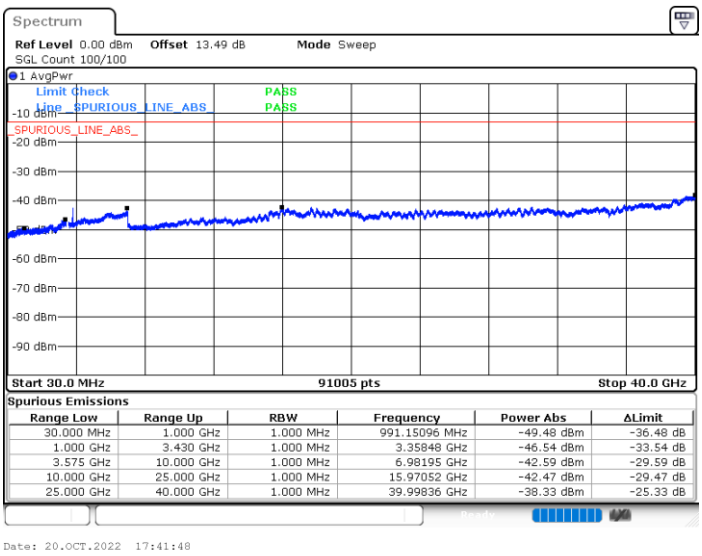
Middle Channel / 1RB1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	991.15096 MHz	-49.48 dBm	-36.48 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.35848 GHz	-46.54 dBm	-33.54 dB
3.575 GHz	10.000 GHz	1.000 MHz	6.98195 GHz	-42.59 dBm	-29.59 dB
10.000 GHz	25.000 GHz	1.000 MHz	15.97052 GHz	-42.47 dBm	-29.47 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.99836 GHz	-38.33 dBm	-25.33 dB

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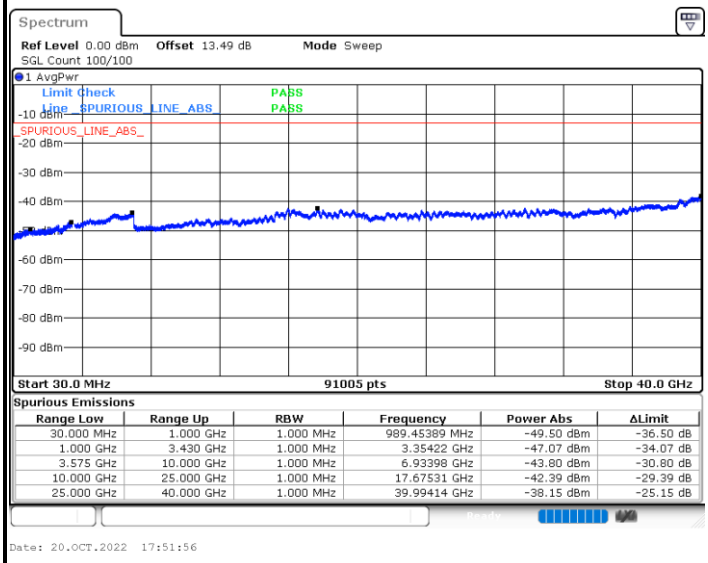
Highest Channel / 1RB1



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	989.45389 MHz	-49.50 dBm	-36.50 dB
1.000 GHz	3.430 GHz	1.000 MHz	3.35422 GHz	-47.07 dBm	-34.07 dB
3.575 GHz	10.000 GHz	1.000 MHz	6.93398 GHz	-43.80 dBm	-30.80 dB
10.000 GHz	25.000 GHz	1.000 MHz	17.67531 GHz	-42.39 dBm	-29.39 dB
25.000 GHz	40.000 GHz	1.000 MHz	39.99414 GHz	-38.15 dBm	-25.15 dB

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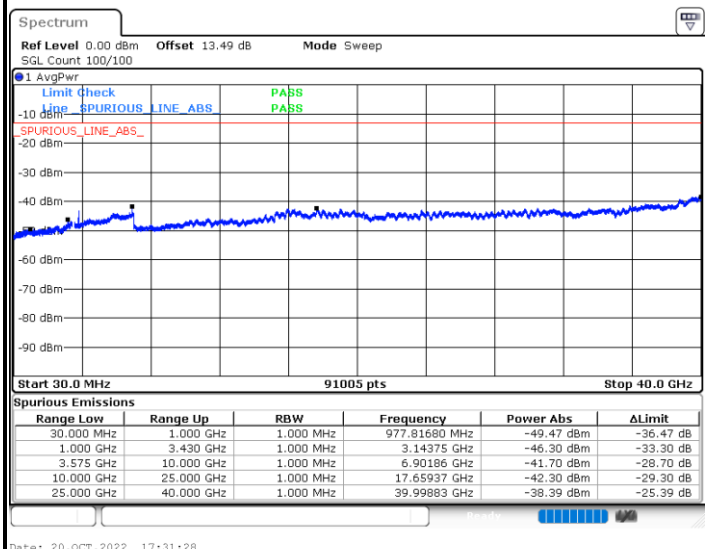
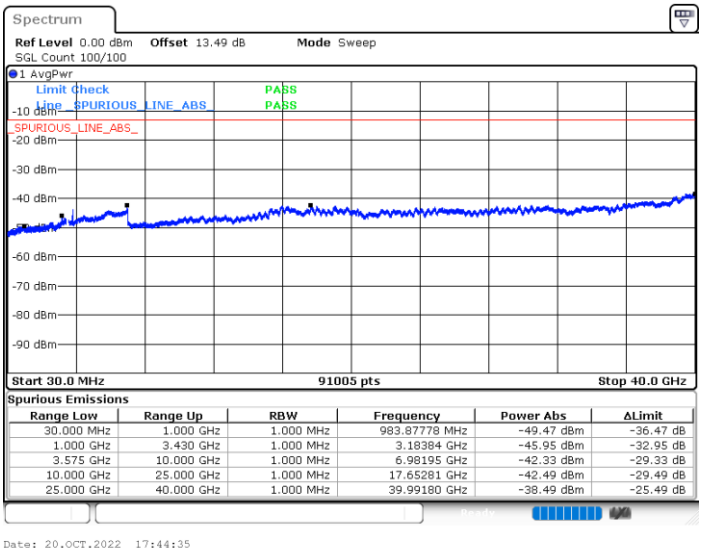
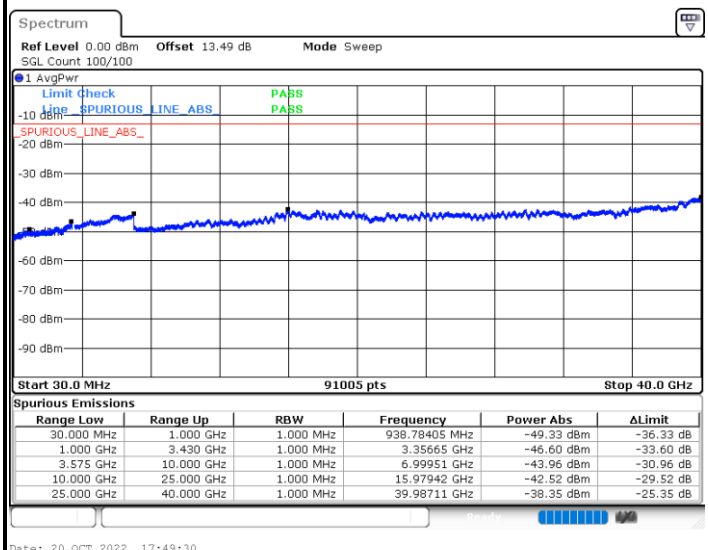
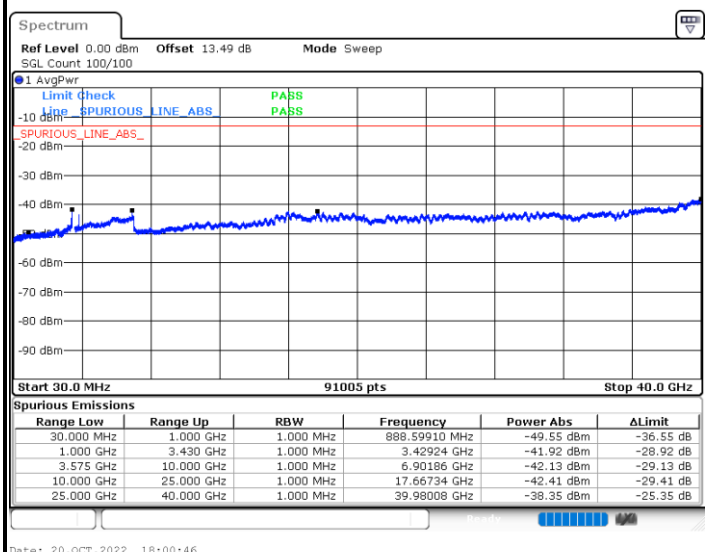
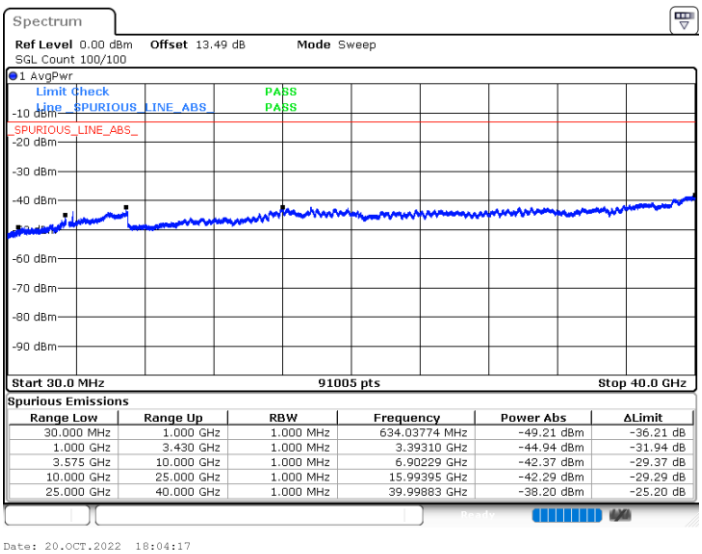
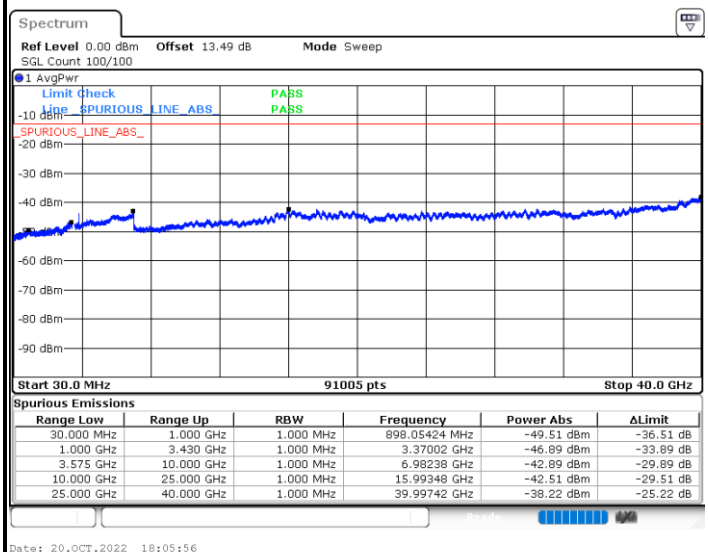
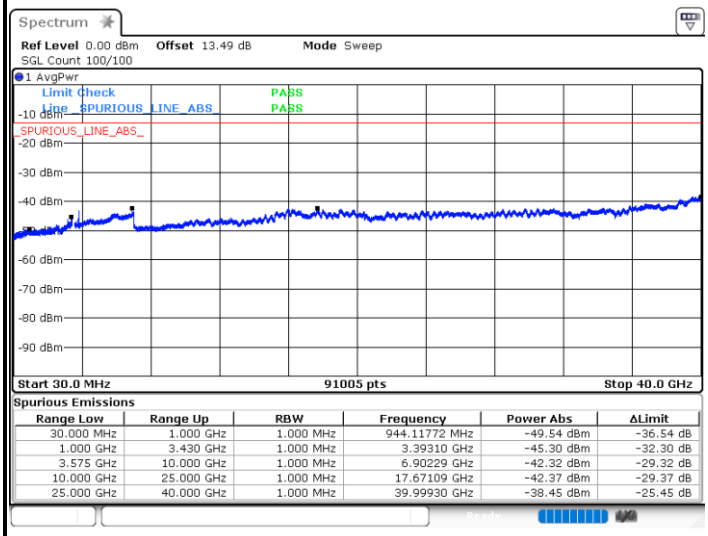
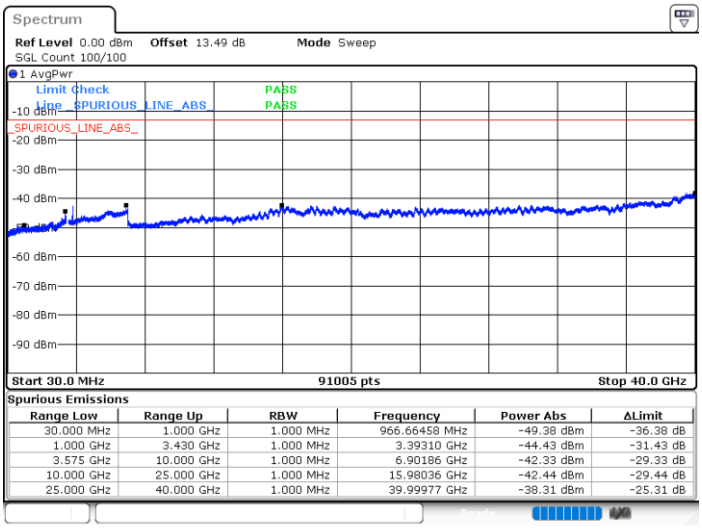
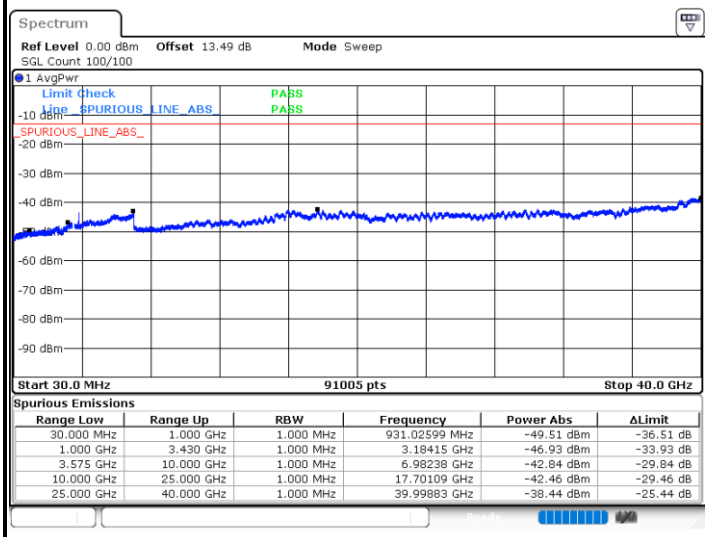
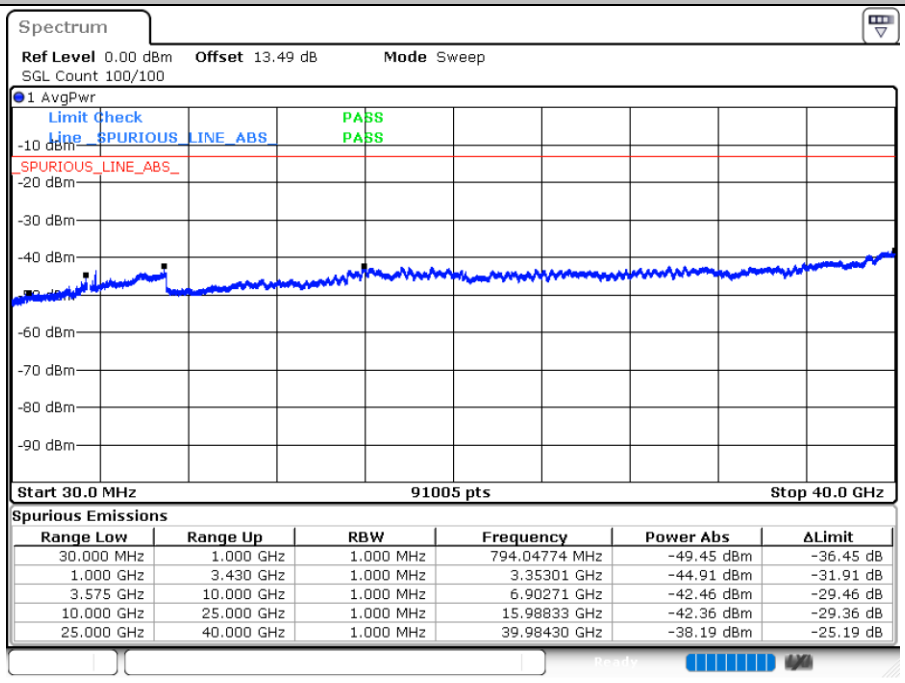
FR1 n78 / 20MHz / DFT-S OFDM /QPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	

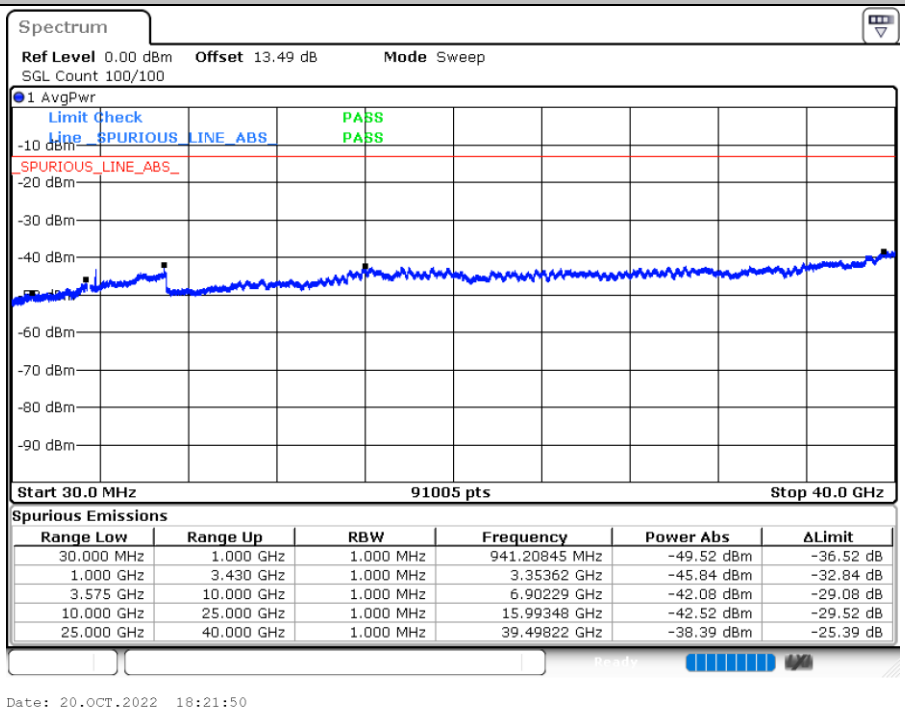
FR1 n78 /60MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	

FR1 n78 /60MHz / DFT-S OFDM /QPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	

FR1 n78 / 100MHz / DFT-S OFDM /BPSK
Middle Channel / 1RB1



FR1 n78 / 100MHz / DFT-S OFDM / QPSK
Middle Channel / 1RB1



Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	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	0.0000	
20	Battery End Point	0.0031	

Note:

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

2. The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhicheng Li	Temperature :	22~25℃
		Relative Humidity :	48~52%

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

SA n78 / NR 100MHz / QPSK / ANT2(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6902.76	-56.35	-13	-43.35	-56.24	-59.65	8.30	11.60	H
	10354.14	-53.52	-13	-40.52	-60.49	-55.04	10.48	12.00	H
	13805.52	-52.28	-13	-39.28	-64.45	-53.98	11.80	13.50	H
	6902.76	-59.13	-13	-46.13	-58.95	-62.43	8.30	11.60	V
	10354.14	-54.49	-13	-41.49	-61.26	-56.01	10.48	12.00	V
	13805.52	-52.06	-13	-39.06	-63.92	-53.76	11.80	13.50	V

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

EN-DC_66A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
LTE Band66 Middle	3481	-65.44	-13	-52.44	-57.84	-72.29	5.65	12.50	H
	5221.5	-61.65	-13	-48.65	-58.88	-67.32	7.13	12.80	H
	6962	-60.73	-13	-47.73	-60.79	-64.13	8.40	11.80	H
	3481	-64.83	-13	-51.83	-57.77	-71.68	5.65	12.50	V
	5221.5	-62.31	-13	-49.31	-59.49	-67.98	7.13	12.80	V
	6962	-60.84	-13	-47.84	-61	-64.24	8.40	11.80	V
NR n78 Middle	6903.00	-61.41	-13	-48.41	-61.30	-64.71	8.30	11.60	H
	10345.50	-56.54	-13	-43.54	-63.52	-58.06	10.48	12.00	H
	13806.00	-52.80	-13	-39.80	-64.97	-54.50	11.80	13.50	H
	6903.00	-61.61	-13	-48.61	-61.43	-64.91	8.30	11.60	V
	10345.50	-56.41	-13	-43.41	-63.17	-57.93	10.48	12.00	V
	13806.00	-51.99	-13	-38.99	-63.85	-53.69	11.80	13.50	V

EN-DC_7A_n78A / LTE 10MHz + NR 100MHz / QPSK / ANT5(LTE) & ANT2(NR)									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
LTE Band7 Middle	5061.18	-61.51	-25	-36.51	-58.92	-67.07	7.14	12.70	H
	7591.50	-57.65	-25	-32.65	-59.58	-60.95	8.30	11.60	H
	10122.00	-56.31	-25	-31.31	-63.69	-57.83	10.48	12.00	H
	5061.00	-62.30	-25	-37.30	-59.64	-67.86	7.14	12.70	V
	7591.50	-59.26	-25	-34.26	-60.98	-62.56	8.30	11.60	V
	10122.00	-57.04	-25	-32.04	-63.95	-58.56	10.48	12.00	V
NR n78 Middle	6902.50	-60.23	-13	-47.23	-60.12	-63.53	8.30	11.60	H
	10345.50	-53.44	-13	-40.44	-60.42	-54.96	10.48	12.00	H
	13806.00	-51.18	-13	-38.18	-63.35	-52.88	11.80	13.50	H
	6902.50	-59.26	-13	-46.26	-59.08	-62.56	8.30	11.60	V
	10354.14	-56.51	-13	-43.51	-63.28	-58.03	10.48	12.00	V
	13806.00	-52.25	-13	-39.25	-64.11	-53.95	11.80	13.50	V