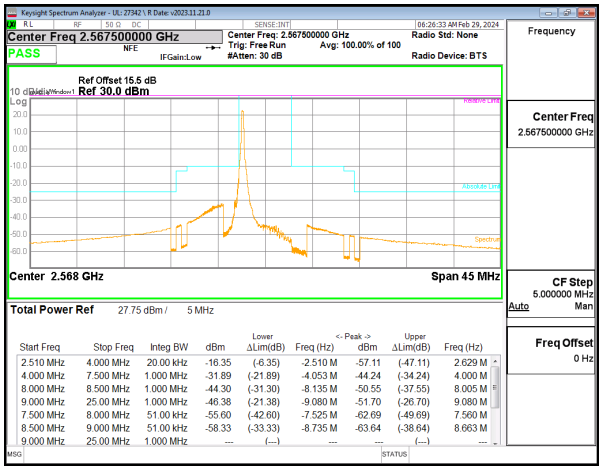
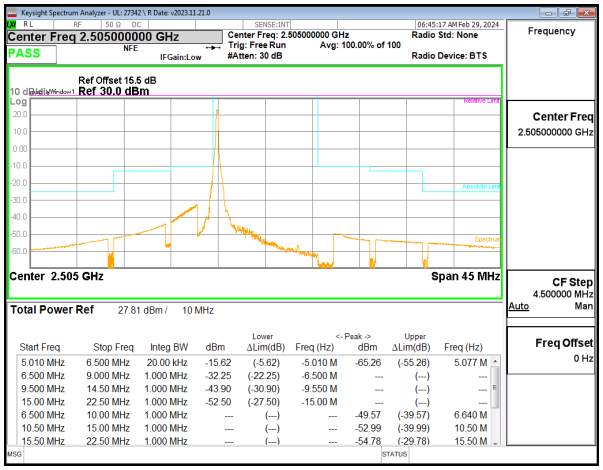
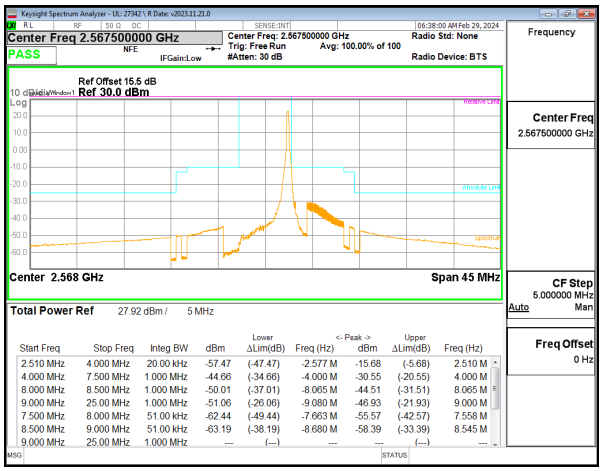


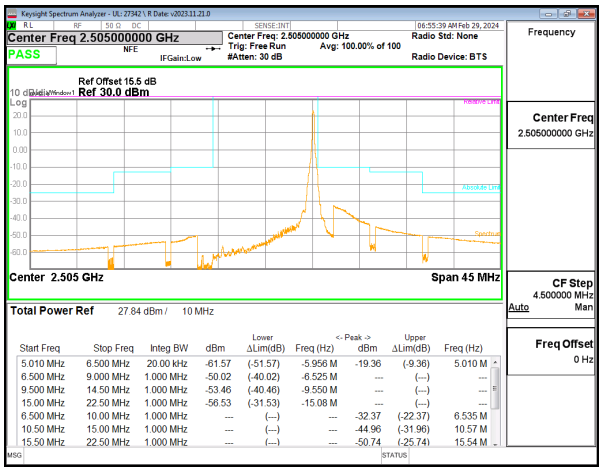
5G NR n7 5MHz BPSK High Channel RB1-0



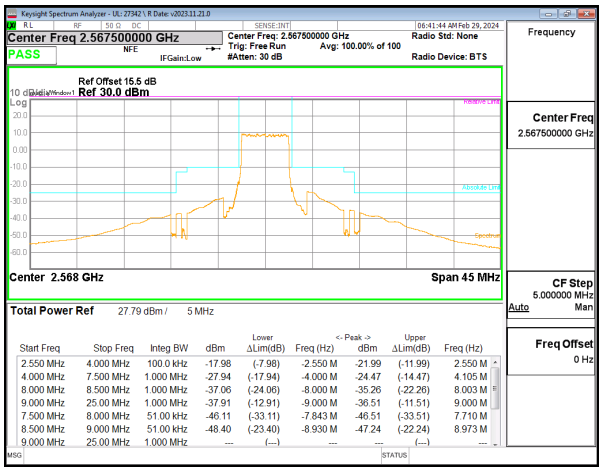
5G NR n7 10MHz BPSK Low Channel RB1-0



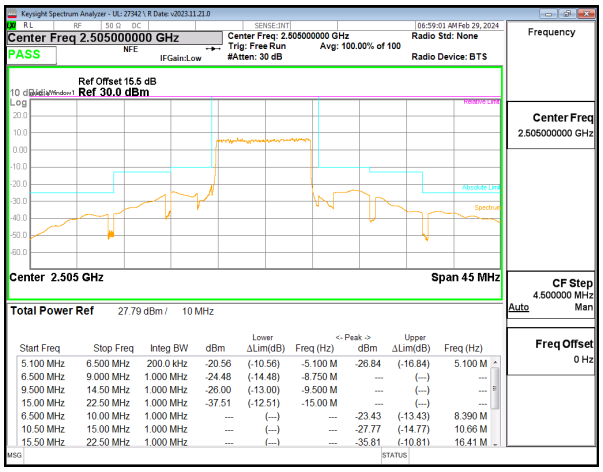
5G NR n7 5MHz BPSK High Channel RB1-24



5G NR n7 10MHz BPSK Low Channel RB1-51



5G NR n7 5MHz BPSK High Channel RB25-0



5G NR n7 10MHz BPSK Low Channel RB50-0

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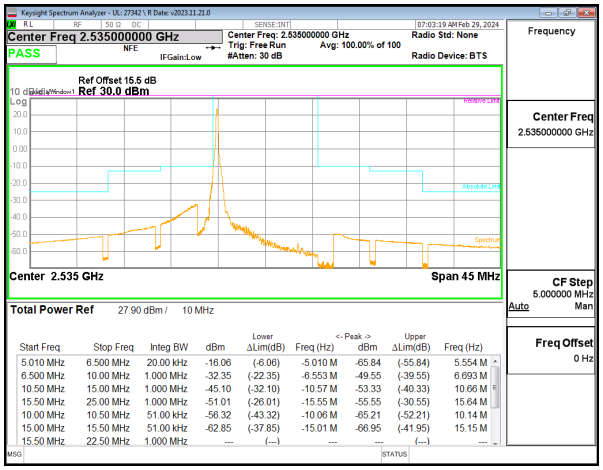
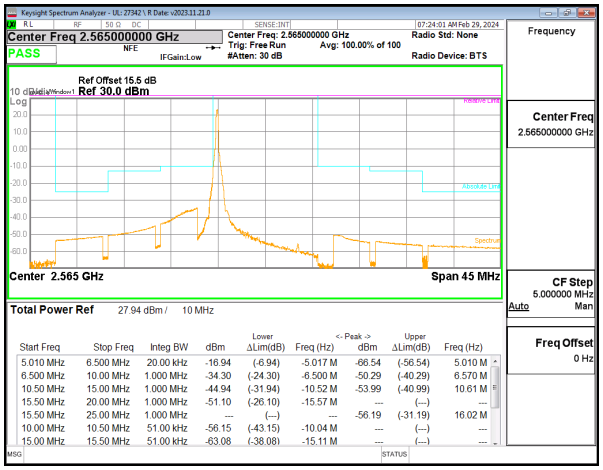
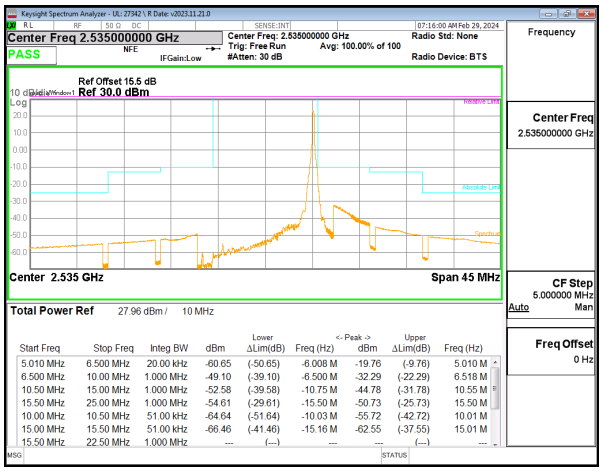


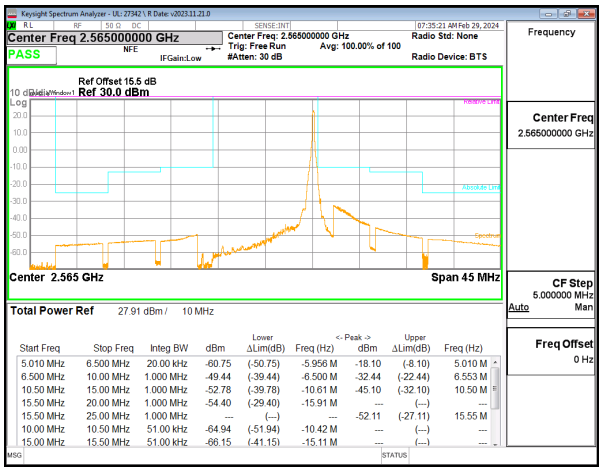
5G NR n7 10MHz BPSK Middle Channel RB1-0



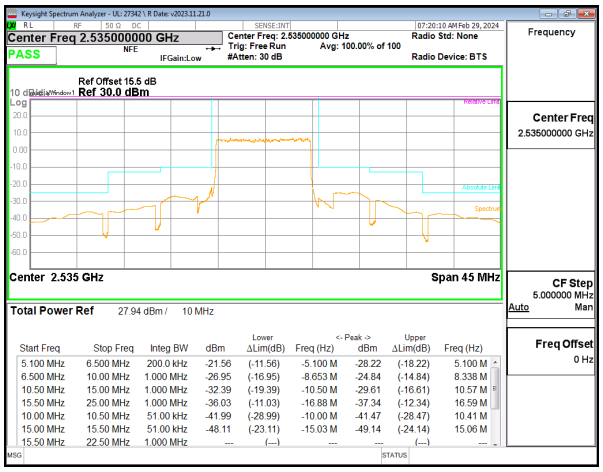
5G NR n7 10MHz BPSK High Channel RB1-0



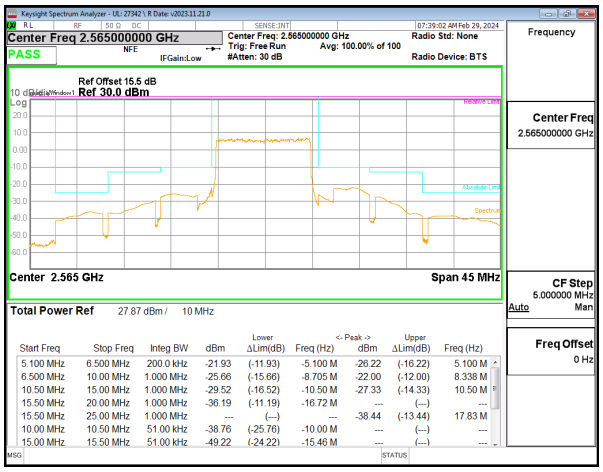
5G NR n7 10MHz BPSK Middle Channel RB1-51



5G NR n7 10MHz BPSK High Channel RB1-51



5G NR n7 10MHz BPSK Middle Channel RB50-0



5G NR n7 10MHz BPSK High Channel RB50-0

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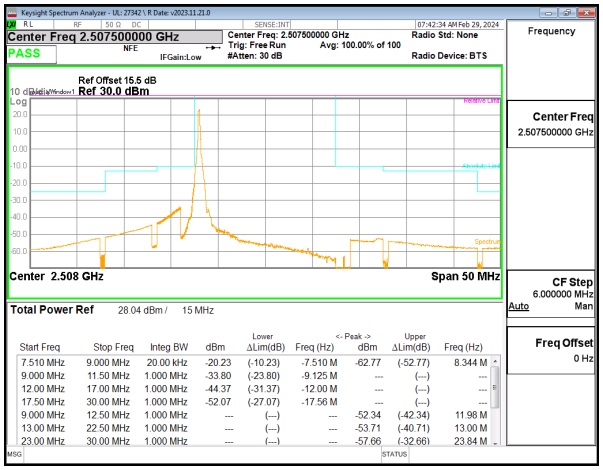
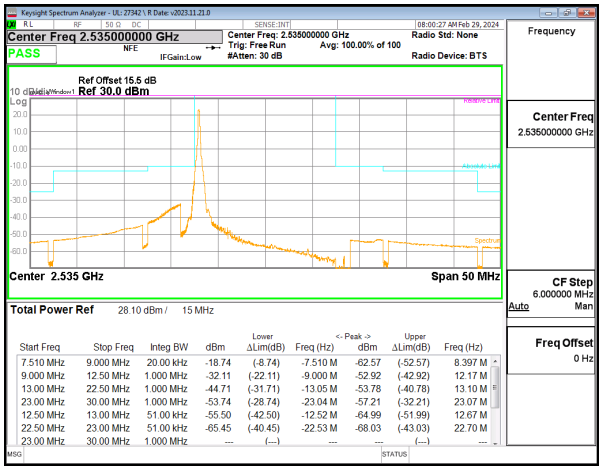
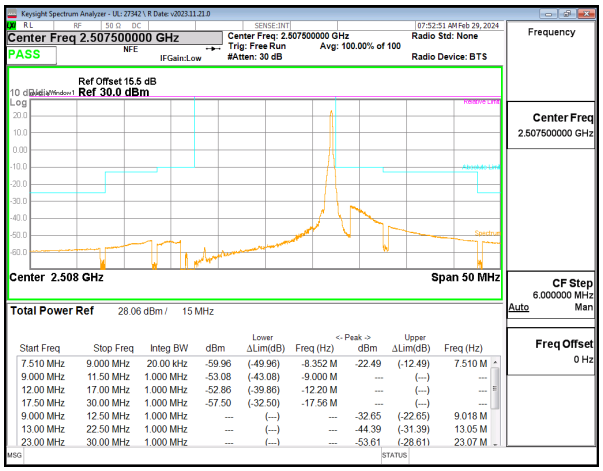


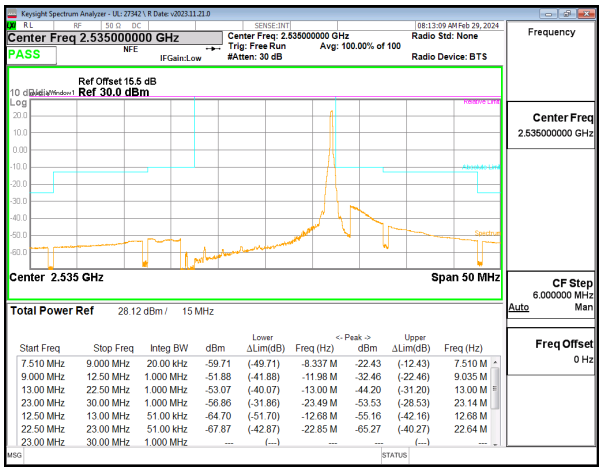
5G NR n7 15MHz BPSK Low Channel RB1-0



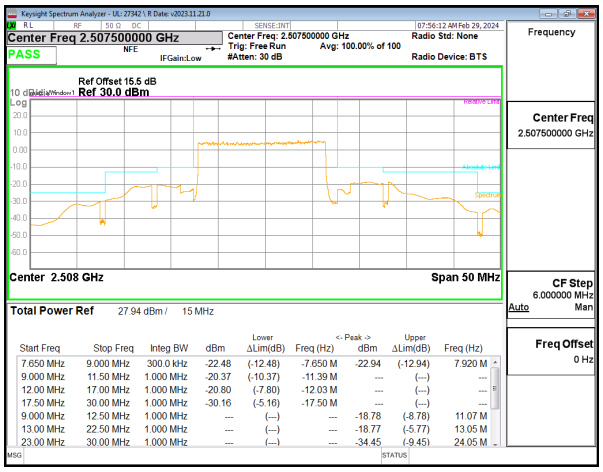
5G NR n7 15MHz BPSK Middle Channel RB1-0



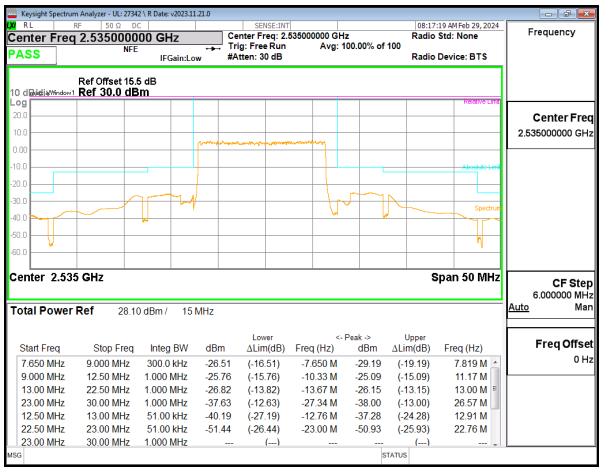
5G NR n7 15MHz BPSK Low Channel RB1-78



5G NR n7 15MHz BPSK Middle Channel RB1-78



5G NR n7 15MHz BPSK Low Channel RB75-0



5G NR n7 15MHz BPSK Middle Channel RB75-0

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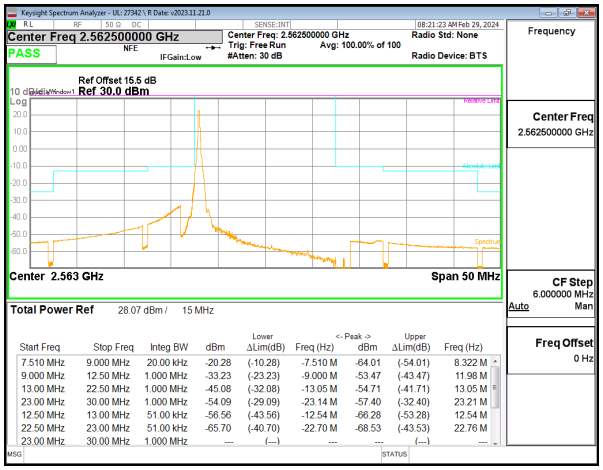
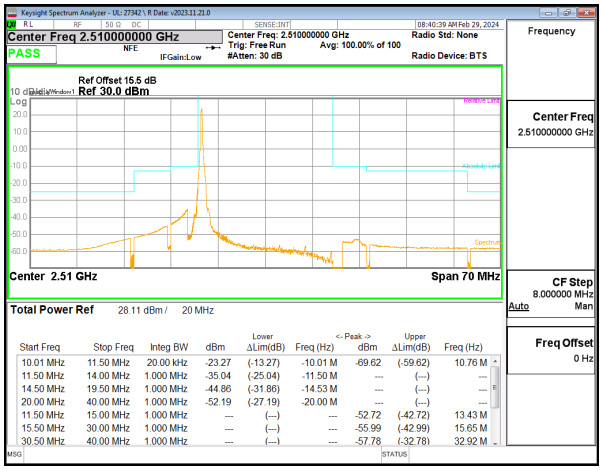
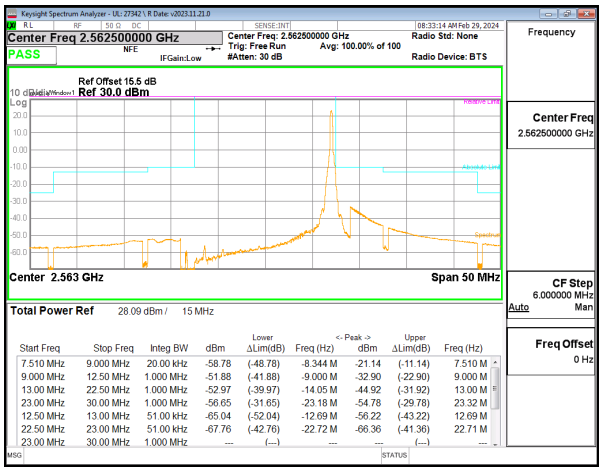


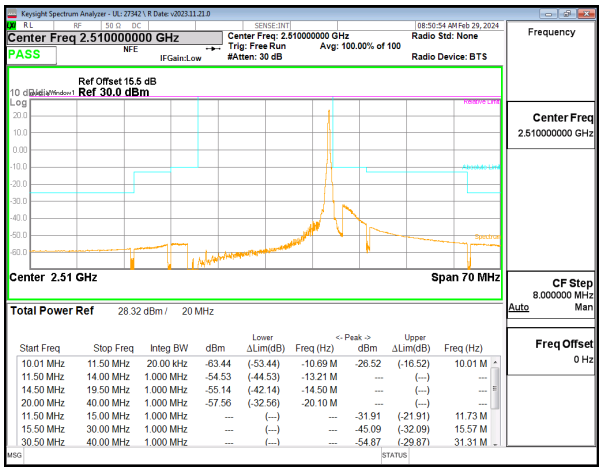
5G NR n7 15MHz BPSK High Channel RB1-0



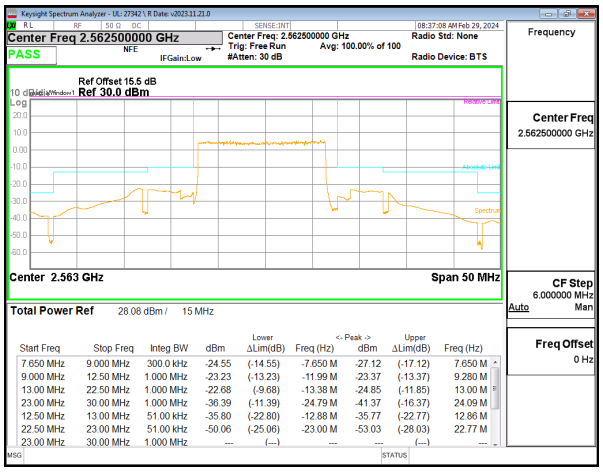
5G NR n7 20MHz BPSK Low Channel RB1-0



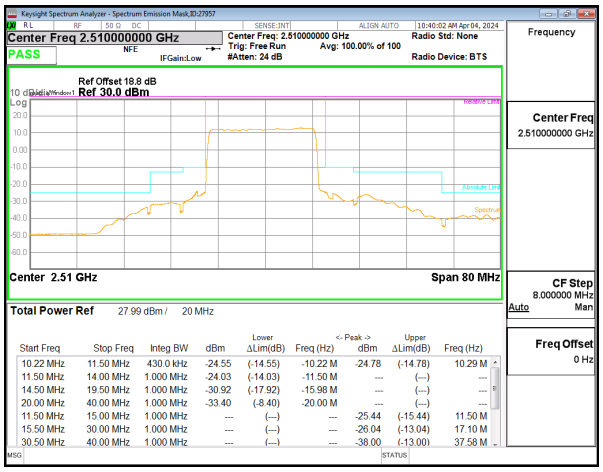
5G NR n7 15MHz BPSK High Channel RB1-78



5G NR n7 20MHz BPSK Low Channel RB1-105



5G NR n7 15MHz BPSK High Channel RB75-0



5G NR n7 20MHz BPSK Low Channel RB100-0

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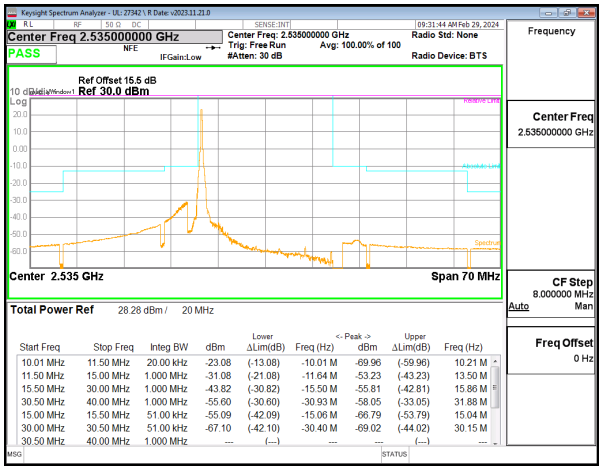
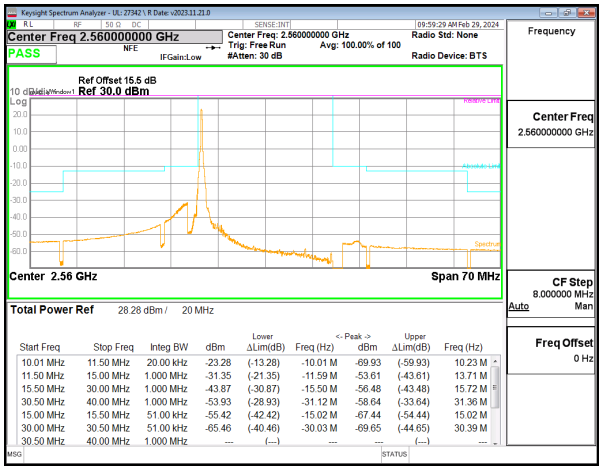
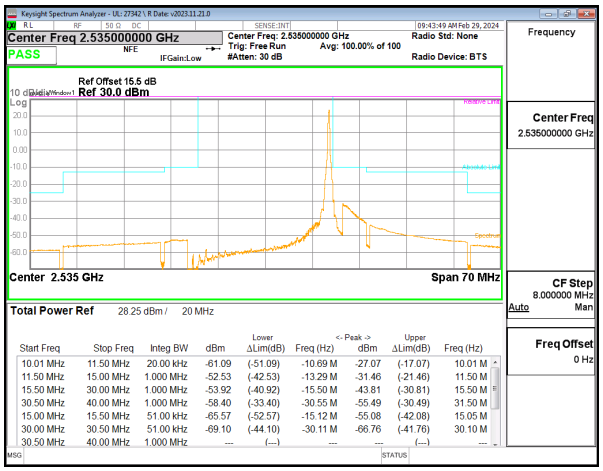


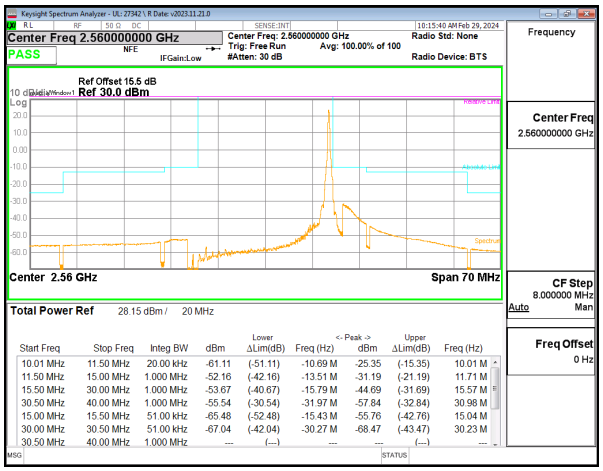
5G NR n7 20MHz BPSK Middle Channel RB1-0



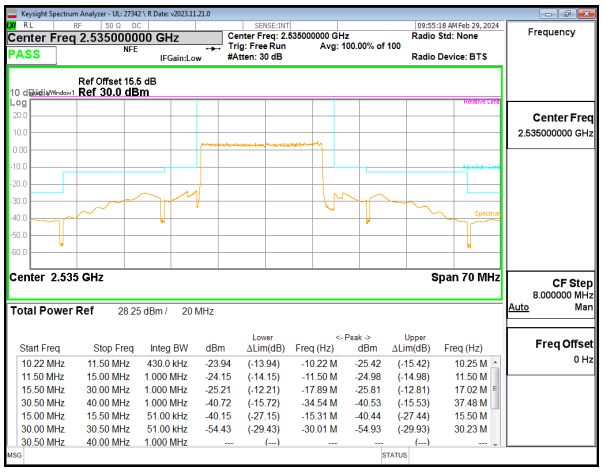
5G NR n7 20MHz BPSK High Channel RB1-0



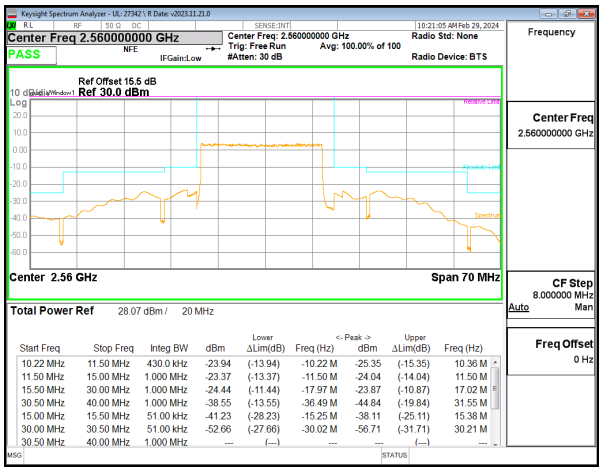
5G NR n7 20MHz BPSK Middle Channel RB1-105



5G NR n7 20MHz BPSK High Channel RB1-105



5G NR n7 20MHz BPSK Middle Channel RB100-0



5G NR n7 20MHz BPSK High Channel RB100-0

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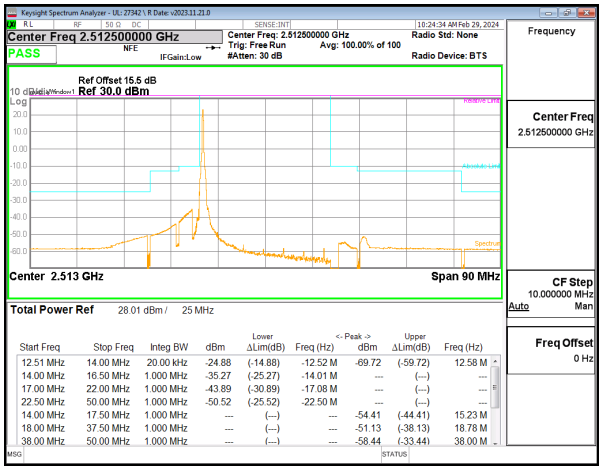
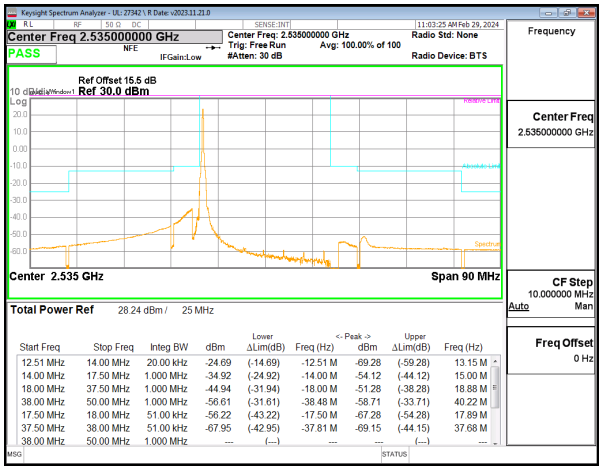


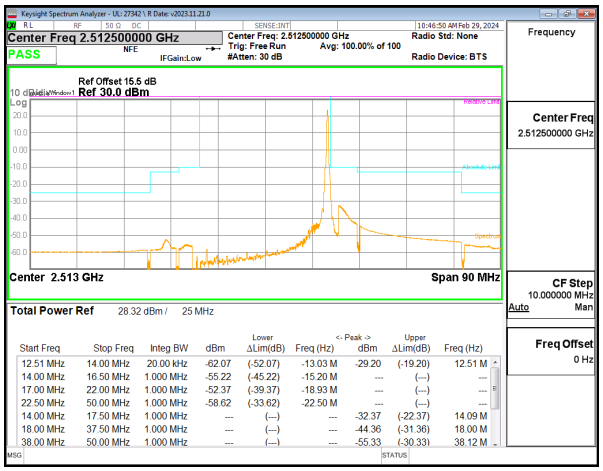
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.51 MHz	14.00 MHz	20.00 kHz	-24.88	(-14.88)	-12.52 M	-69.72	(-59.72)	12.58 M
14.00 MHz	16.50 MHz	1.000 MHz	-35.27	(-25.27)	-14.01 M	---	(---)	---
17.00 MHz	22.00 MHz	1.000 MHz	-43.89	(-30.89)	-17.08 M	---	(---)	---
22.50 MHz	50.00 MHz	1.000 MHz	-50.52	(-25.52)	-22.50 M	---	(---)	---
14.00 MHz	17.50 MHz	1.000 MHz	---	(---)	---	-54.41	(-44.41)	15.23 M
18.00 MHz	37.50 MHz	1.000 MHz	---	(---)	---	-51.13	(-38.13)	18.78 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	-58.44	(-33.44)	38.00 M

5G NR n7 25MHz BPSK Low Channel RB1-0



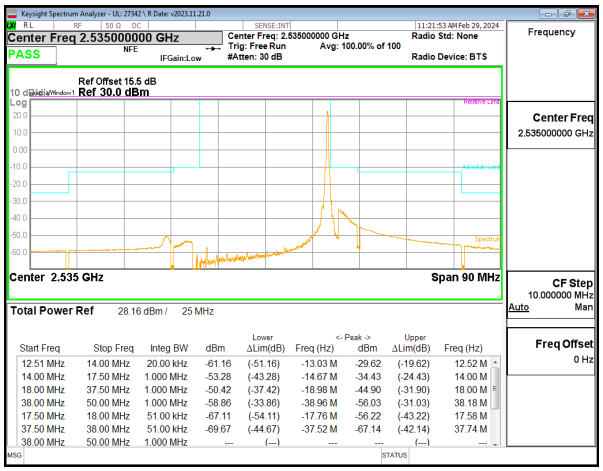
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.51 MHz	14.00 MHz	20.00 kHz	-24.69	(-14.69)	-12.51 M	-69.28	(-59.28)	13.15 M
14.00 MHz	17.50 MHz	1.000 MHz	-34.92	(-24.92)	-14.00 M	-54.12	(-44.12)	15.00 M
18.00 MHz	37.50 MHz	1.000 MHz	-44.94	(-31.94)	-18.00 M	-51.28	(-38.28)	18.88 M
38.00 MHz	50.00 MHz	1.000 MHz	-56.61	(-31.61)	-38.48 M	-58.71	(-33.71)	40.22 M
17.50 MHz	18.00 MHz	51.00 kHz	-56.22	(-43.22)	-17.50 M	-67.28	(-54.28)	17.89 M
37.50 MHz	38.00 MHz	51.00 kHz	-67.95	(-42.95)	-37.81 M	-69.15	(-44.15)	37.68 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

5G NR n7 25MHz BPSK Middle Channel RB1-0



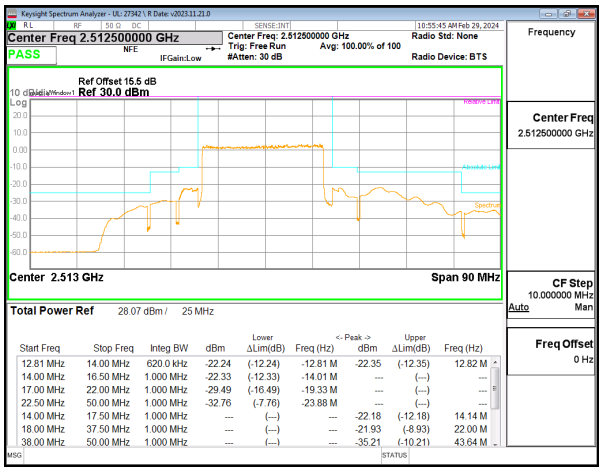
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.51 MHz	14.00 MHz	20.00 kHz	-62.07	(-52.07)	-13.03 M	-29.20	(-19.20)	12.51 M
14.00 MHz	16.50 MHz	1.000 MHz	-55.22	(-45.22)	-15.20 M	---	(---)	---
17.00 MHz	22.00 MHz	1.000 MHz	-52.37	(-39.37)	-18.93 M	---	(---)	---
22.50 MHz	50.00 MHz	1.000 MHz	-58.62	(-33.62)	-22.50 M	---	(---)	---
14.00 MHz	17.50 MHz	1.000 MHz	---	(---)	---	-32.37	(-22.37)	14.09 M
18.00 MHz	37.50 MHz	1.000 MHz	---	(---)	---	-44.36	(-31.36)	18.00 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	-55.33	(-30.33)	38.12 M

5G NR n7 25MHz BPSK Low Channel RB1-132



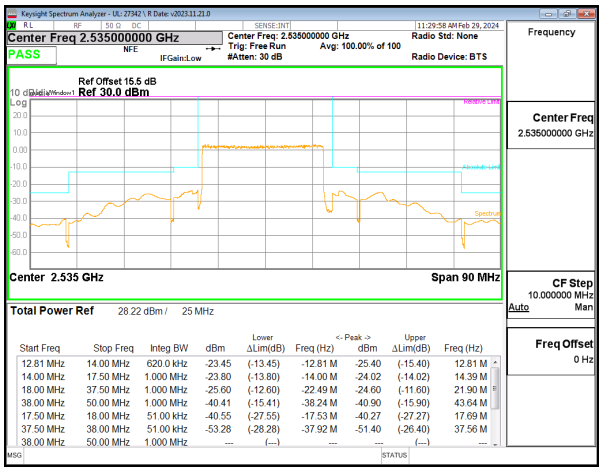
Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.51 MHz	14.00 MHz	20.00 kHz	-61.16	(-51.16)	-13.03 M	-29.62	(-19.62)	12.52 M
14.00 MHz	17.50 MHz	1.000 MHz	-53.28	(-43.28)	-14.67 M	-34.43	(-24.43)	14.00 M
18.00 MHz	37.50 MHz	1.000 MHz	-50.42	(-37.42)	-18.98 M	-44.90	(-31.90)	18.00 M
38.00 MHz	50.00 MHz	1.000 MHz	-58.86	(-33.86)	-38.96 M	-56.03	(-31.03)	38.18 M
17.50 MHz	18.00 MHz	51.00 kHz	-67.11	(-54.11)	-17.76 M	-56.22	(-43.22)	17.58 M
37.50 MHz	38.00 MHz	51.00 kHz	-69.67	(-44.67)	-37.52 M	-67.14	(-42.14)	37.74 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

5G NR n7 25MHz BPSK Middle Channel RB1-132



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.81 MHz	14.00 MHz	620.0 kHz	-22.24	(-12.24)	-12.81 M	-22.35	(-12.35)	12.82 M
14.00 MHz	16.50 MHz	1.000 MHz	-22.33	(-12.33)	-14.01 M	---	(---)	---
17.00 MHz	22.00 MHz	1.000 MHz	-29.49	(-16.49)	-19.33 M	---	(---)	---
22.50 MHz	50.00 MHz	1.000 MHz	-32.76	(-7.76)	-23.88 M	---	(---)	---
14.00 MHz	17.50 MHz	1.000 MHz	---	(---)	---	-22.18	(-12.18)	14.14 M
18.00 MHz	37.50 MHz	1.000 MHz	---	(---)	---	-21.93	(-8.93)	22.00 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	-35.21	(-10.21)	43.64 M

5G NR n7 25MHz BPSK Low Channel RB128-0



Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	<- Peak -> dBm	Upper ΔLim(dB)	Freq (Hz)
12.81 MHz	14.00 MHz	620.0 kHz	-23.45	(-13.45)	-12.81 M	-25.40	(-15.40)	12.81 M
14.00 MHz	17.50 MHz	1.000 MHz	-23.80	(-13.80)	-14.00 M	-24.02	(-14.02)	14.39 M
18.00 MHz	37.50 MHz	1.000 MHz	-25.60	(-12.60)	-22.49 M	-24.60	(-11.60)	21.90 M
38.00 MHz	50.00 MHz	1.000 MHz	-40.41	(-15.41)	-38.24 M	-40.90	(-15.90)	43.64 M
17.50 MHz	18.00 MHz	51.00 kHz	-40.55	(-27.55)	-17.53 M	-40.27	(-27.27)	17.69 M
37.50 MHz	38.00 MHz	51.00 kHz	-53.28	(-28.28)	-37.92 M	-51.40	(-26.40)	37.56 M
38.00 MHz	50.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

5G NR n7 25MHz BPSK Middle Channel RB128-0

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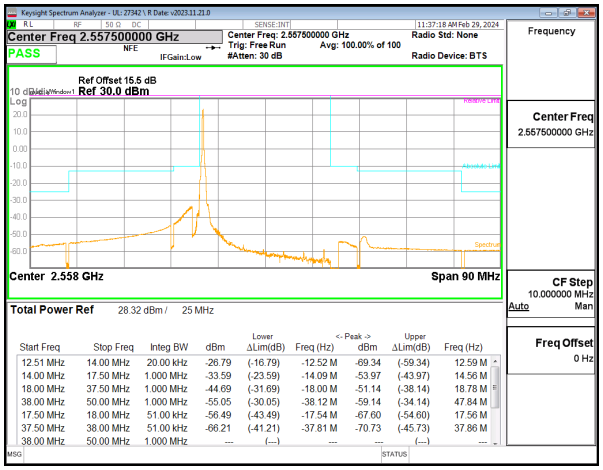
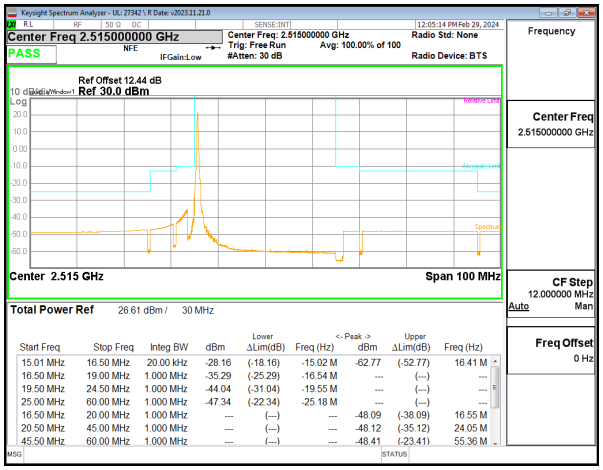


5G NR n7 25MHz BPSK High Channel RB1-0



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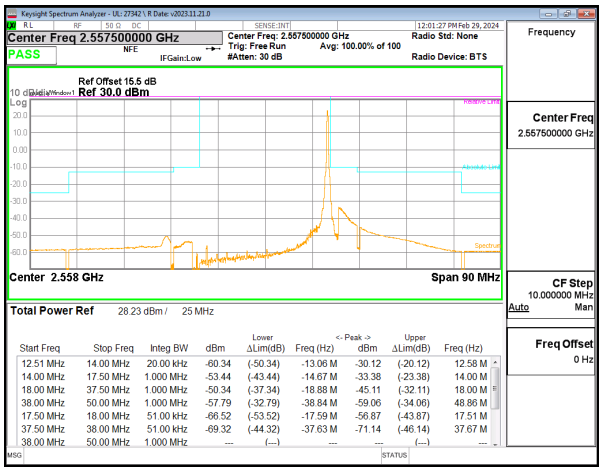

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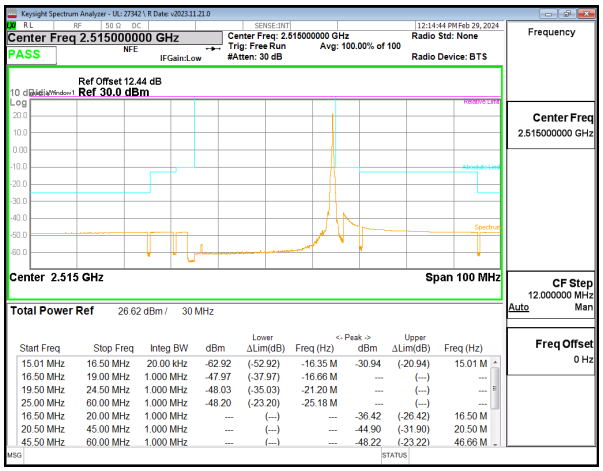
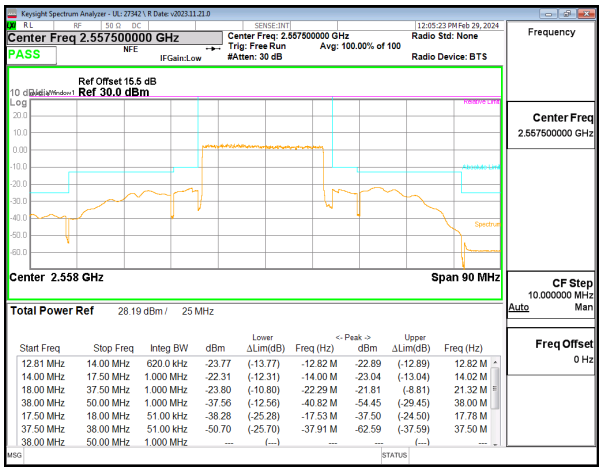


5G NR n7 30MHz BPSK Low Channel RB1-159



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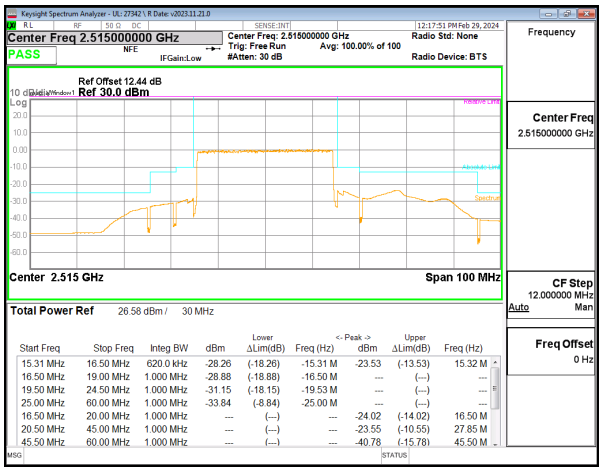

5G NR n7 30MHz BPSK Low Channel RB160-0

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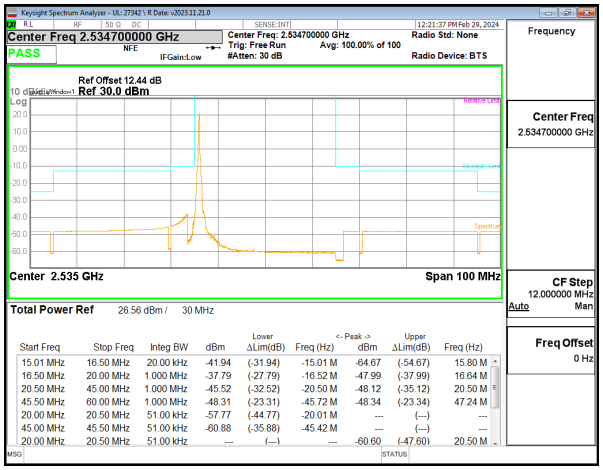
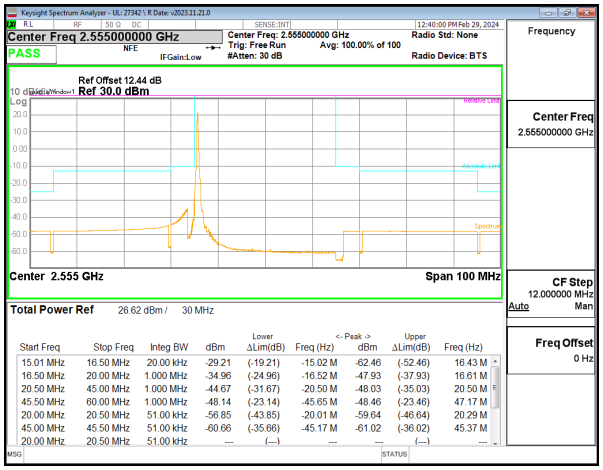


5G NR n7 30MHz BPSK Middle Channel RB1-0



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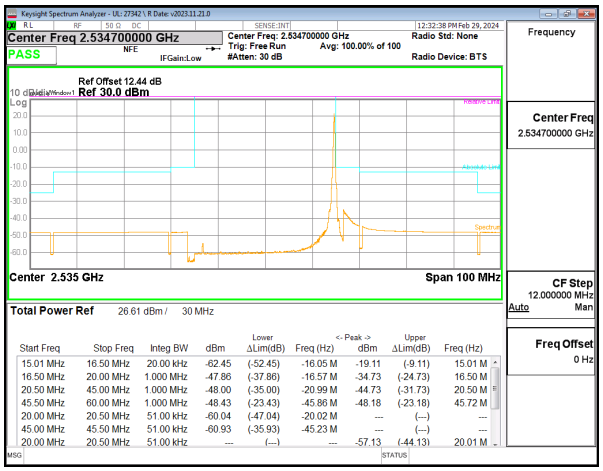

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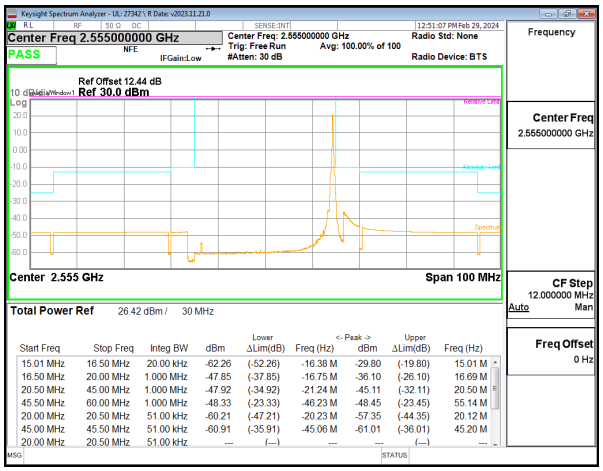

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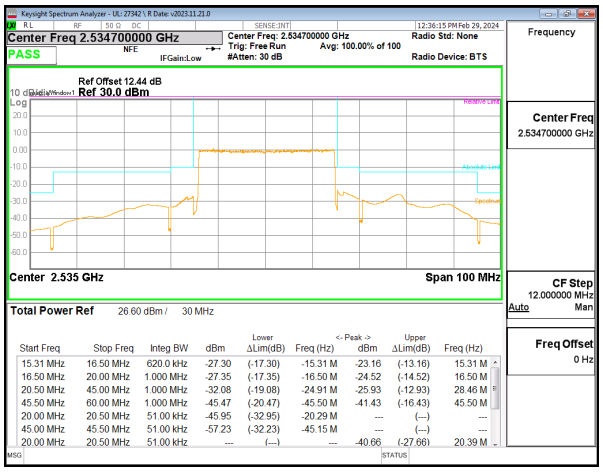

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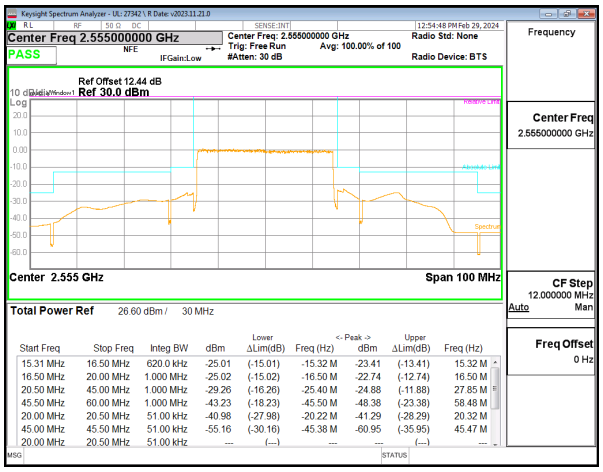

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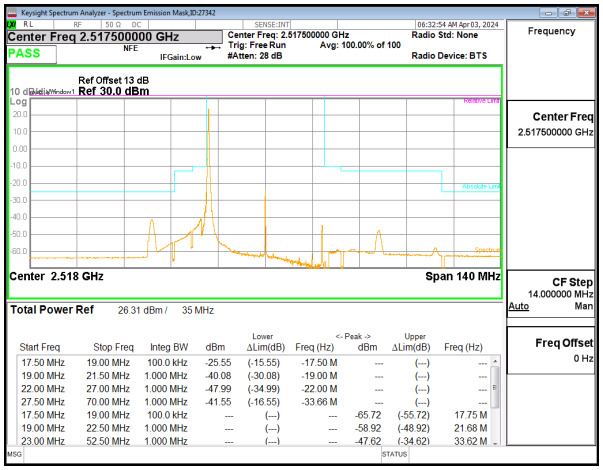

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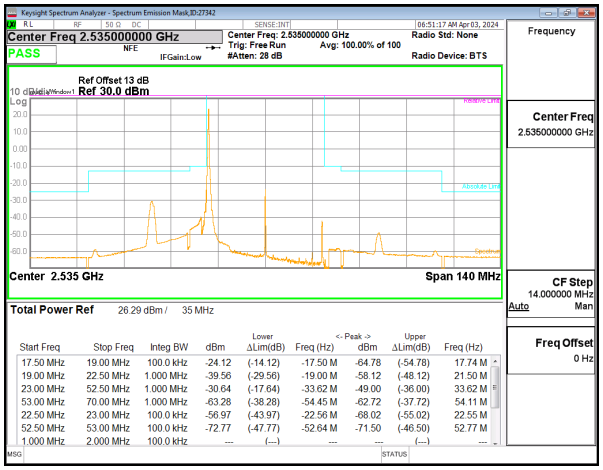

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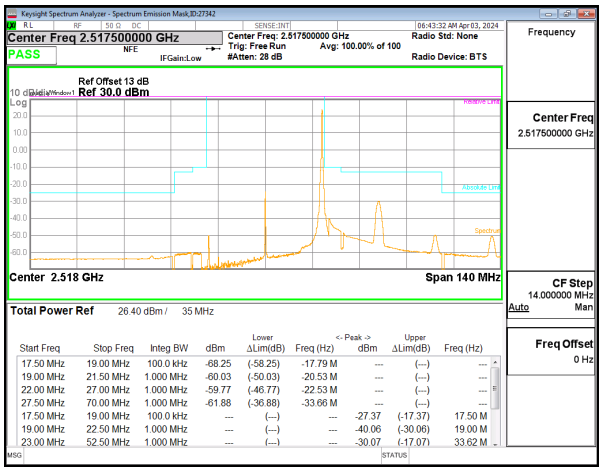

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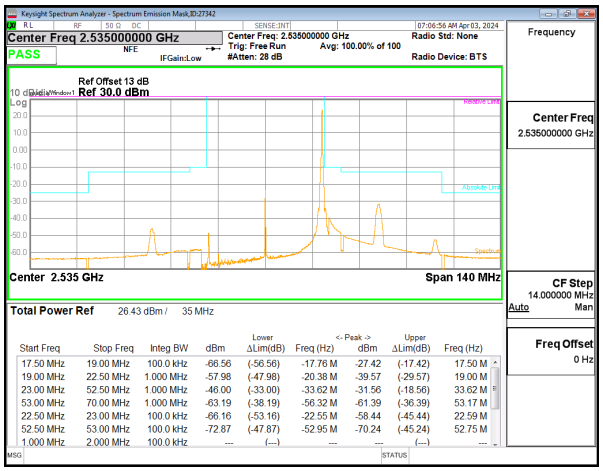

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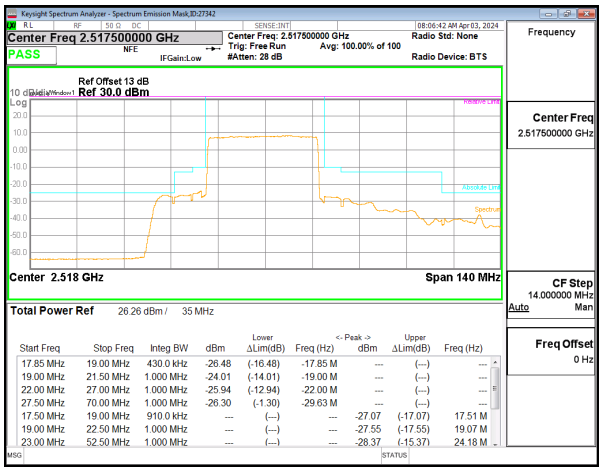

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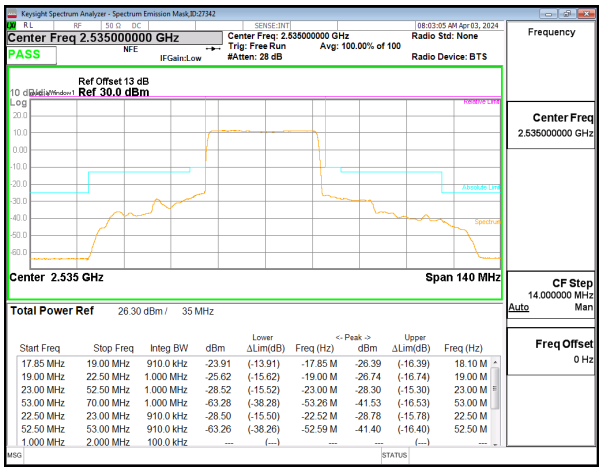

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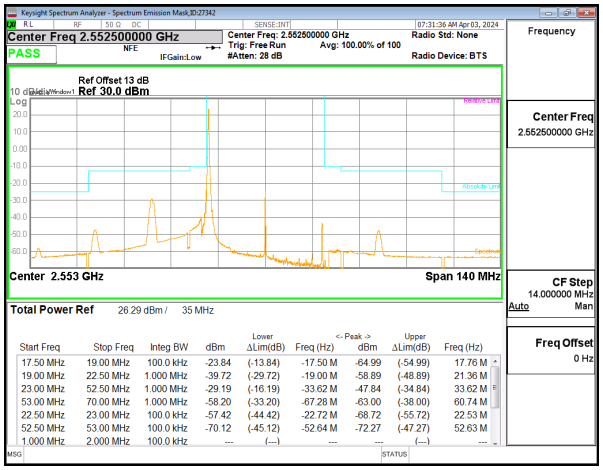
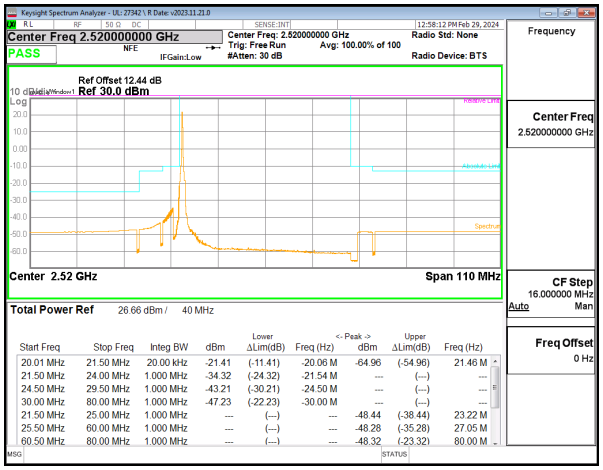
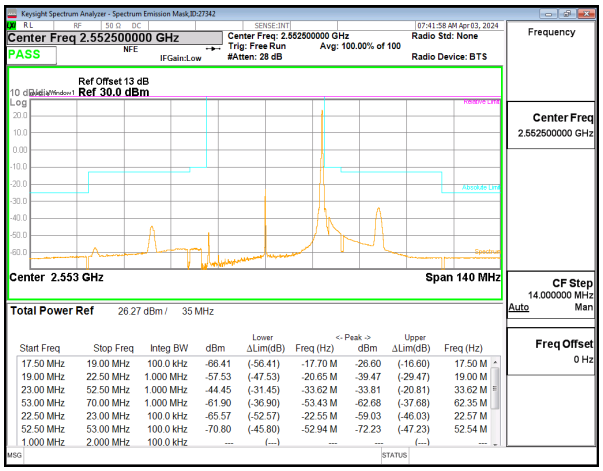


5G NR n7 35MHz BPSK High Channel RB1-0



5G NR n7 40MHz BPSK Low Channel RB1-0



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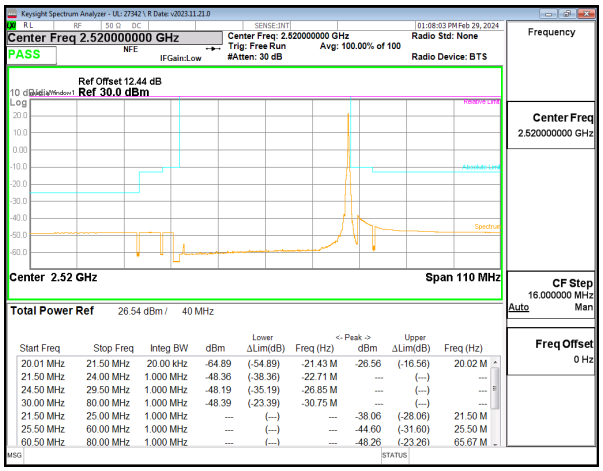

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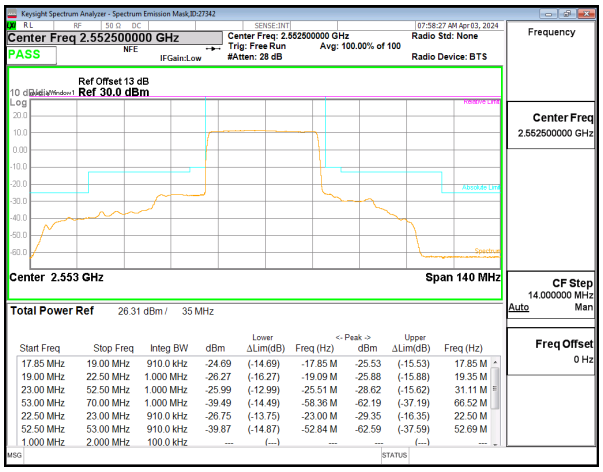

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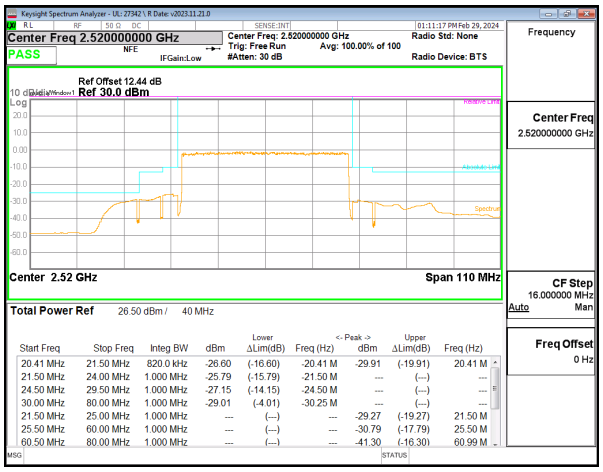

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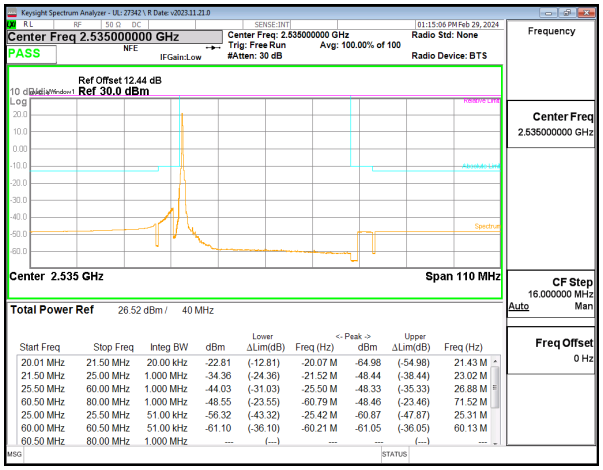

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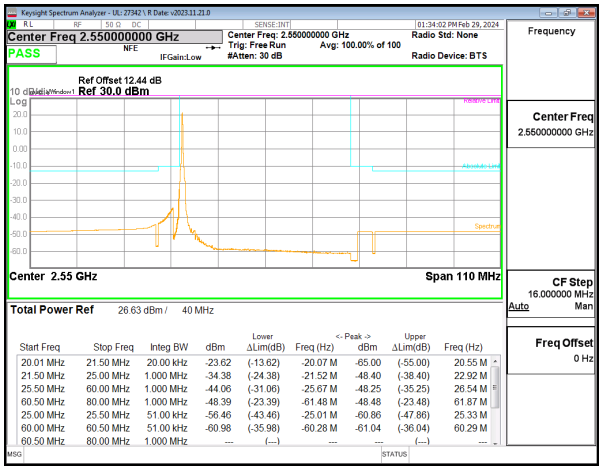

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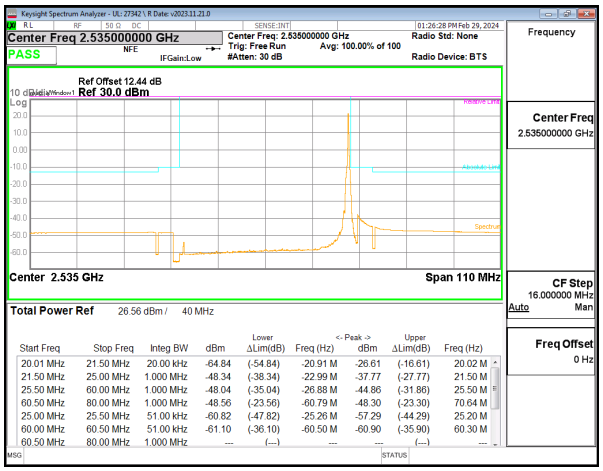

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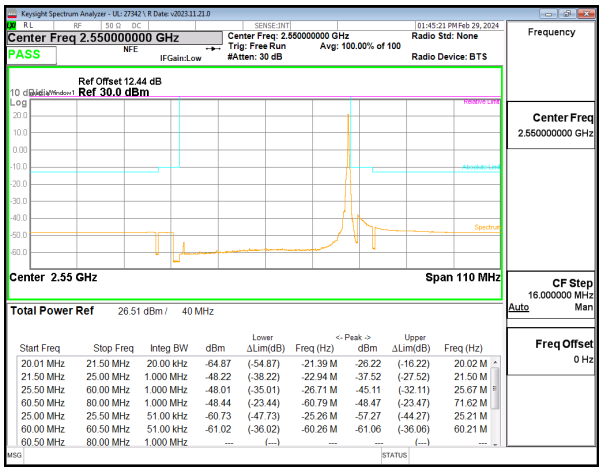

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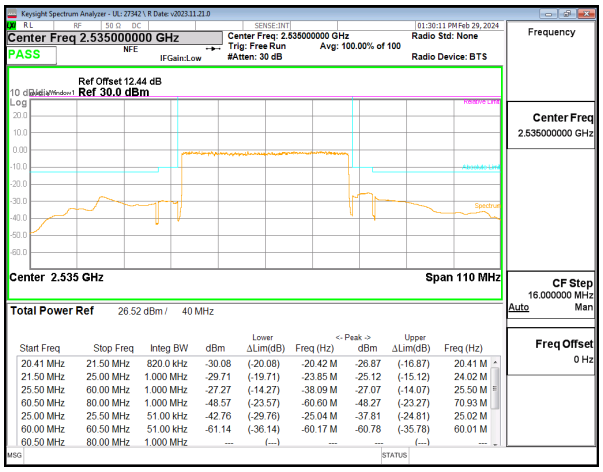

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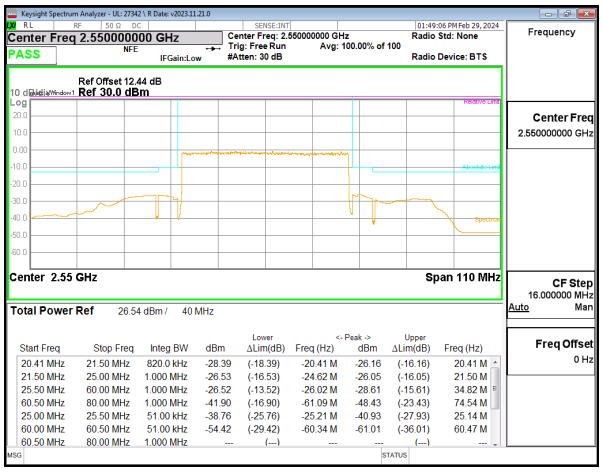

5G NR n7 40MHz BPSK High Channel RB216-0

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9.2.2. LTE BAND 12 AND 5G NR n12 EMISSION MASK

LIMITS

FCC: §27.53
(g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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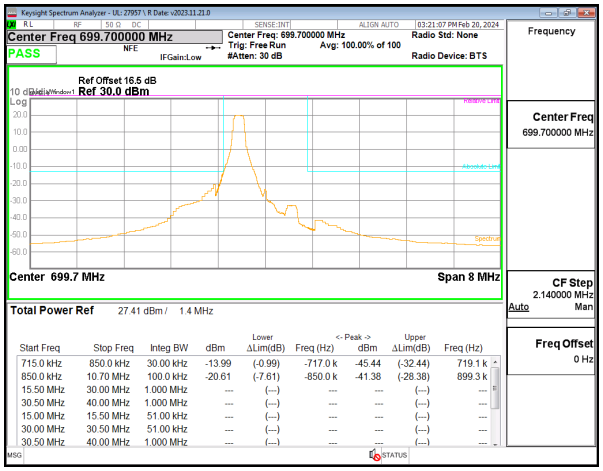
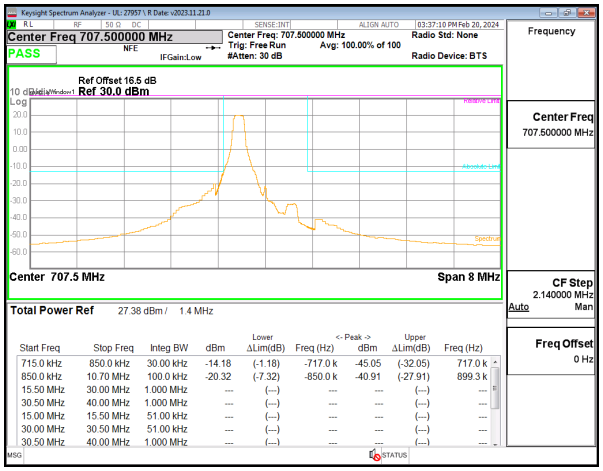
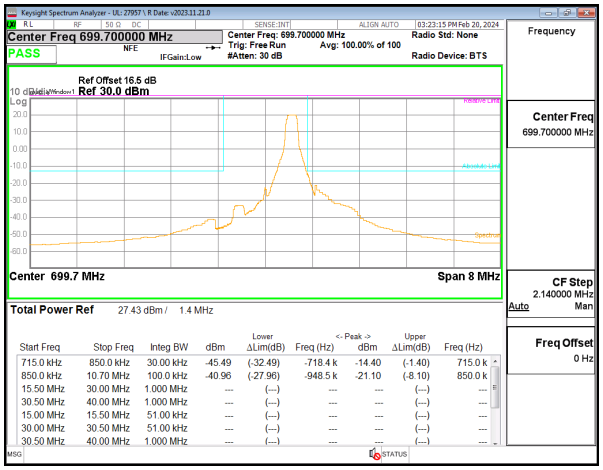
LTE BAND 12 EMISSION MASK



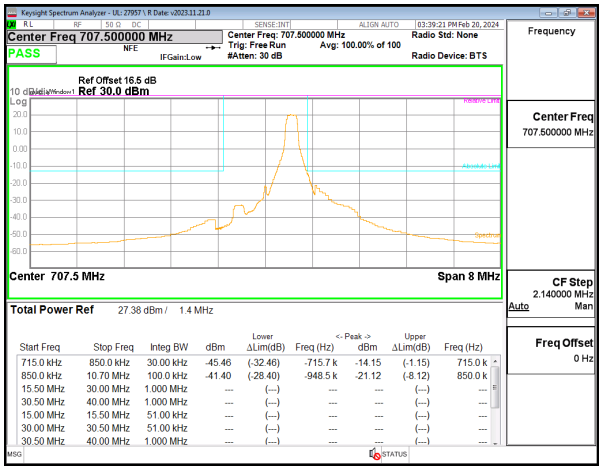
LTE B12 1.4MHz QPSK Low Channel RB1-0



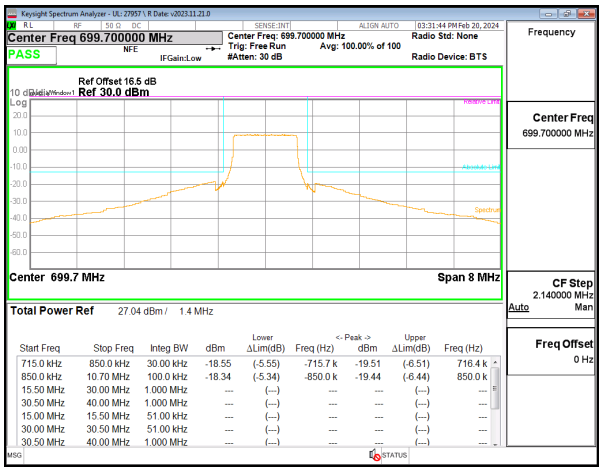
LTE B12 1.4MHz QPSK Middle Channel RB1-0



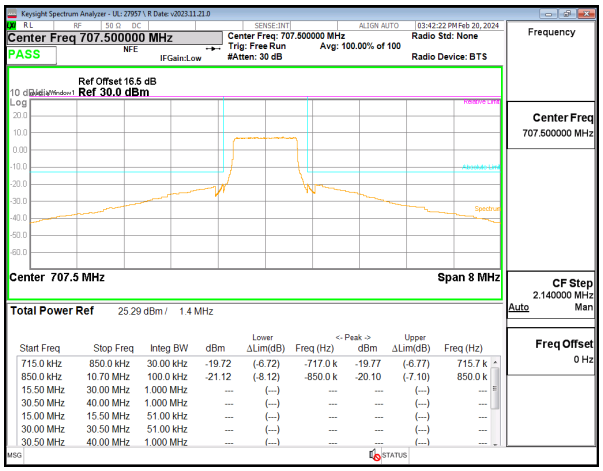
LTE B12 1.4MHz QPSK Low Channel RB1-5



LTE B12 1.4MHz QPSK Middle Channel RB1-5



LTE B12 1.4MHz QPSK Low Channel RB6-0



LTE B12 1.4MHz QPSK Middle Channel RB6-0

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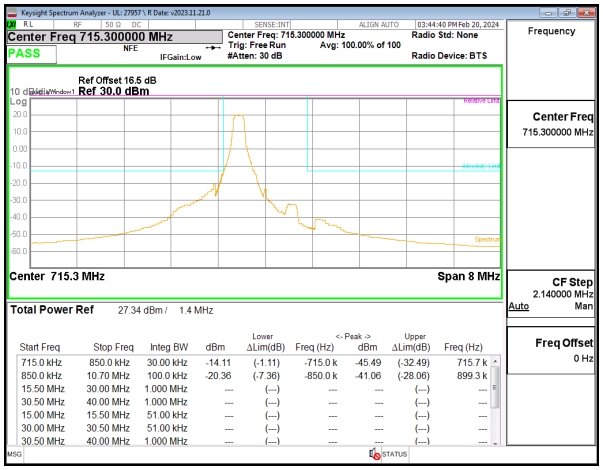
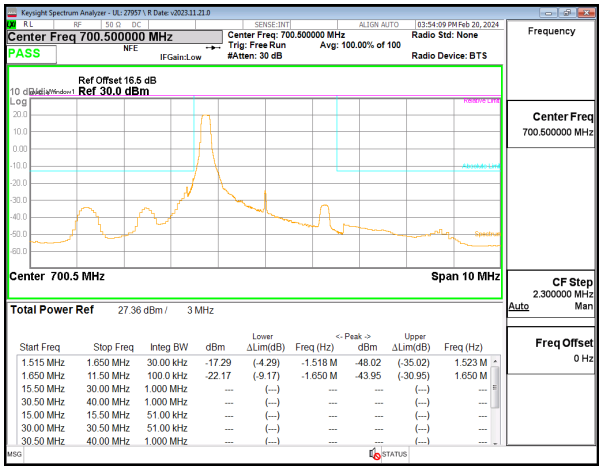
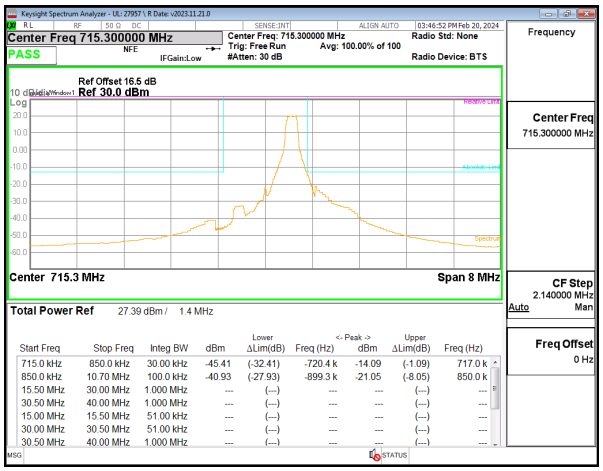


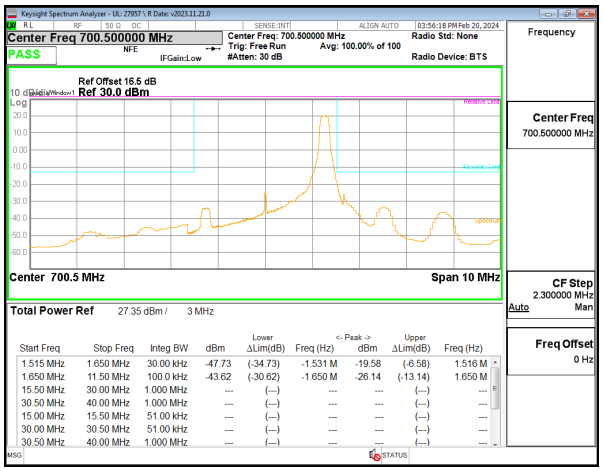
LTE B12 1.4MHz QPSK High Channel RB1-0



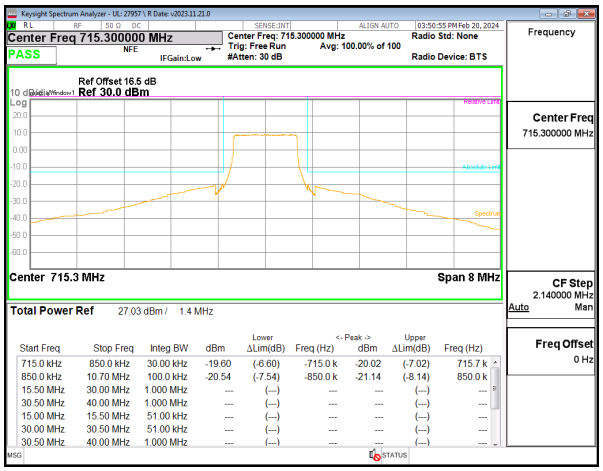
LTE B12 3MHz QPSK Low Channel RB1-0



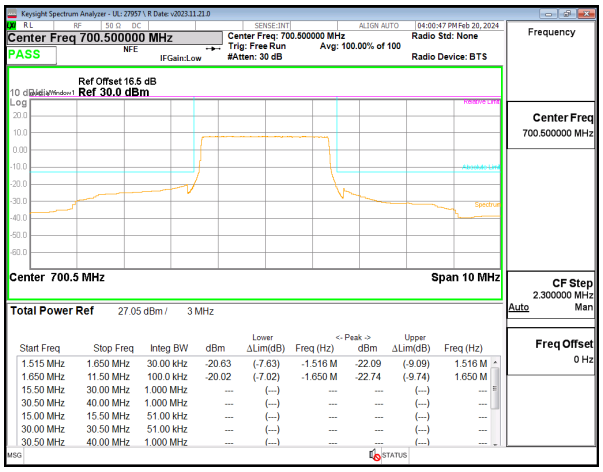
LTE B12 1.4MHz QPSK High Channel RB1-5



LTE B12 3MHz QPSK Low Channel RB1-14



LTE B12 1.4MHz QPSK High Channel RB6-0



LTE B12 3MHz QPSK Low Channel RB15-0

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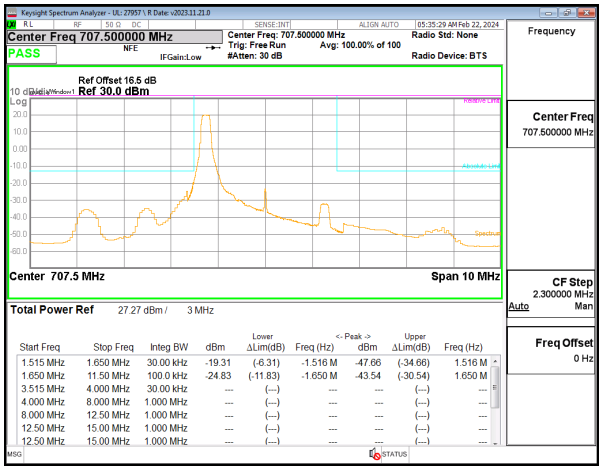
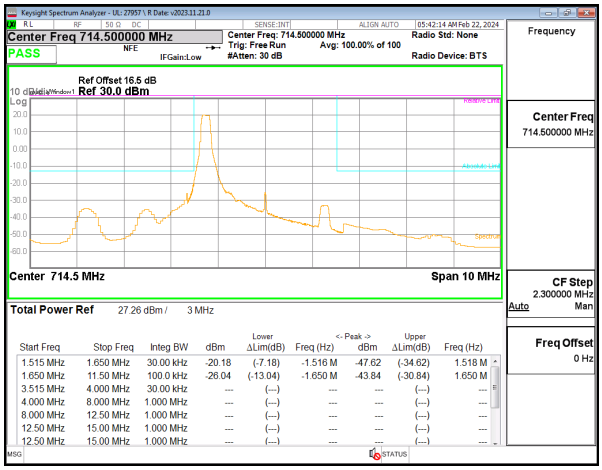
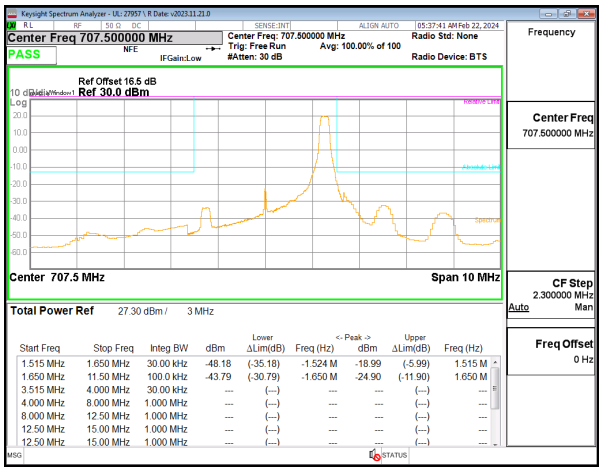


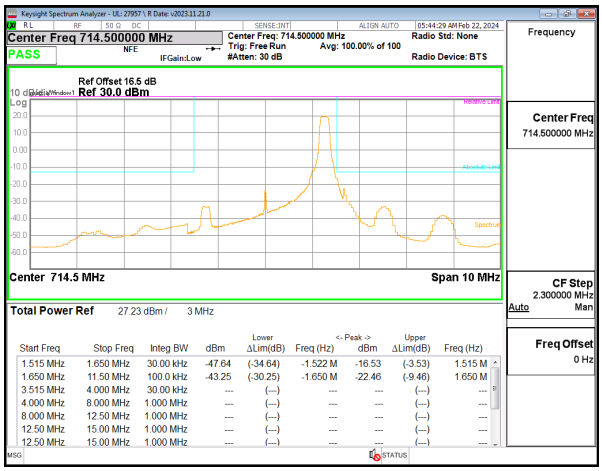
LTE B12 3MHz QPSK Middle Channel RB1-0



LTE B12 3MHz QPSK High Channel RB1-0



LTE B12 3MHz QPSK Middle Channel RB1-14



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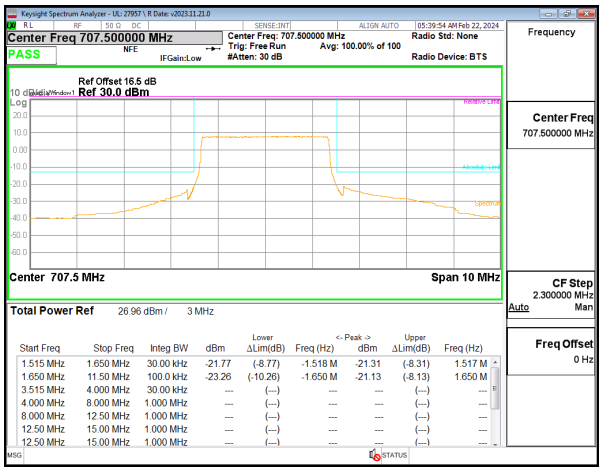
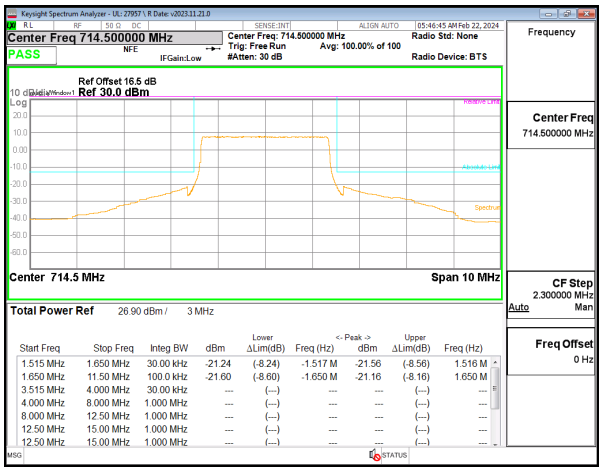


LTE B12 3MHz QPSK Middle Channel RB15-0



LTE B12 3MHz QPSK High Channel RB15-0

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47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 319-4000 FAX: (510) 661-0888
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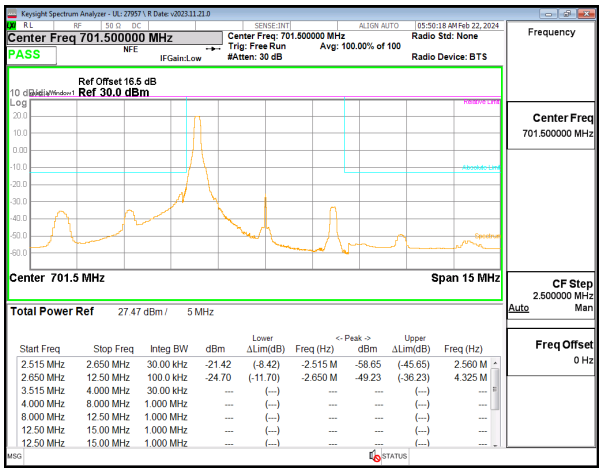
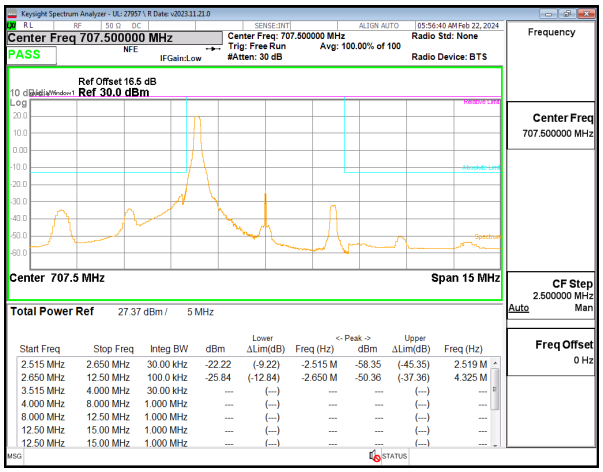


LTE B12 5MHz QPSK Low Channel RB1-0



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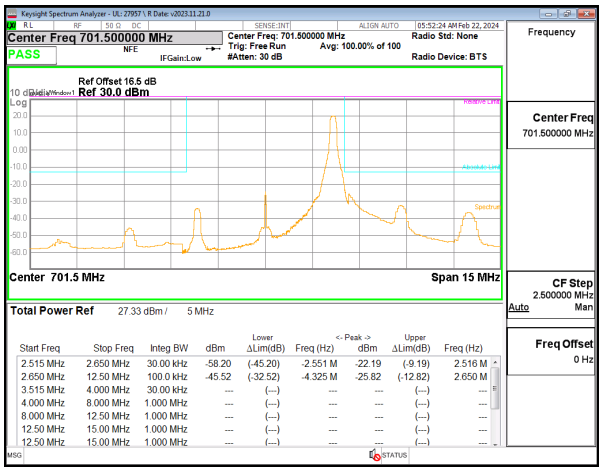
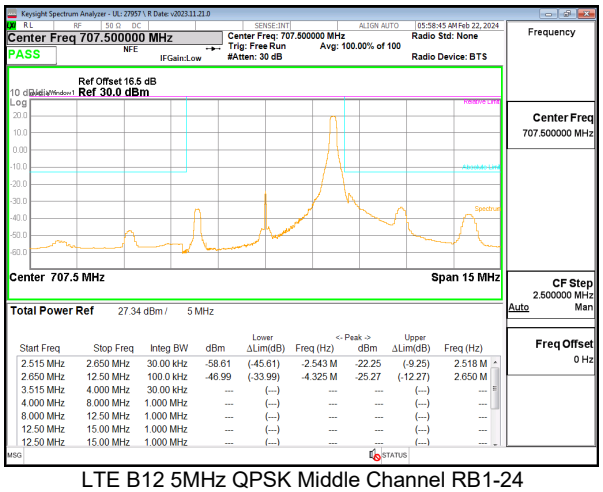
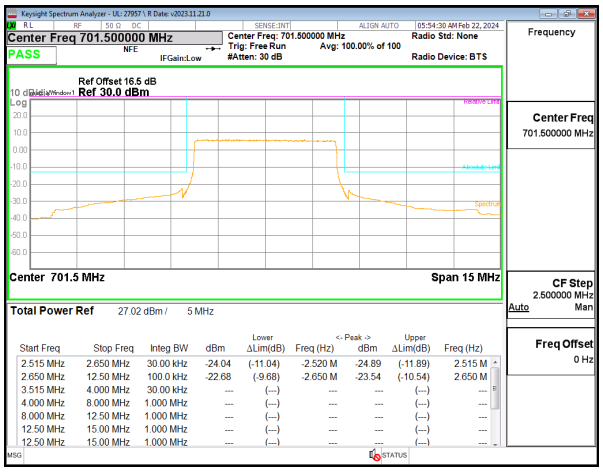


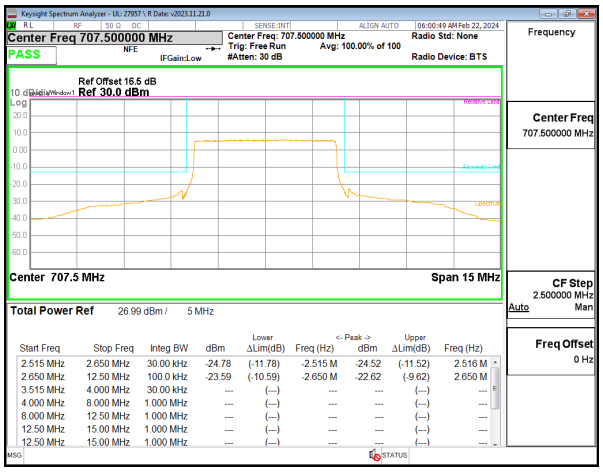
LTE B12 5MHz QPSK Low Channel RB1-24



LTE B12 5MHz QPSK Middle Channel RB1-24



LTE B12 5MHz QPSK Low Channel RB25-0



LTE B12 5MHz QPSK Middle Channel RB25-0

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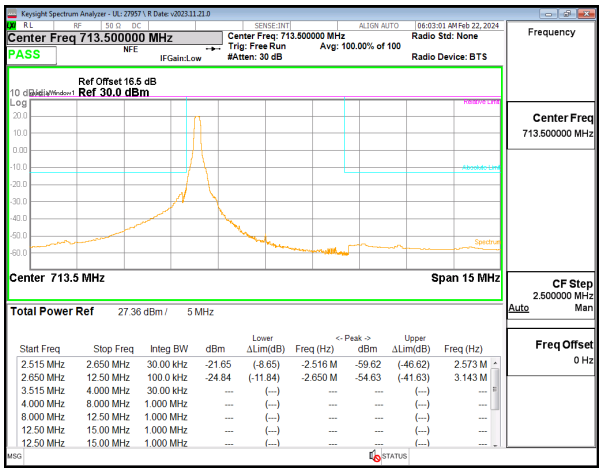
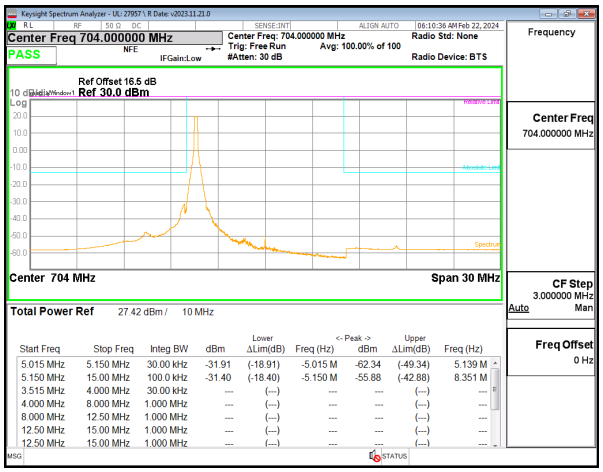
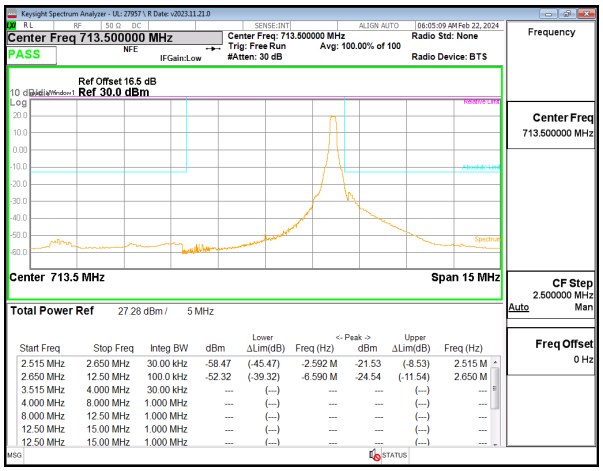


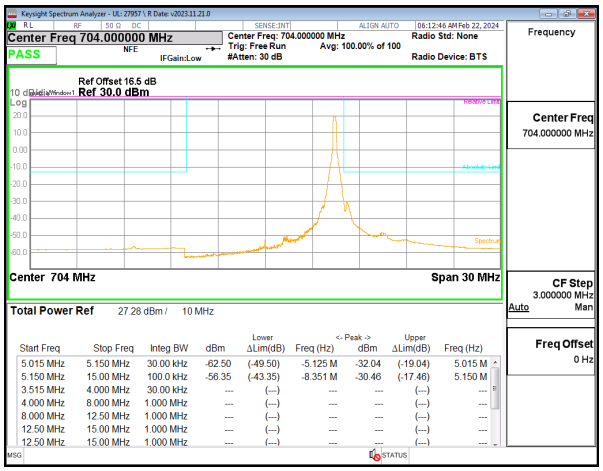
LTE B12 5MHz QPSK High Channel RB1-0



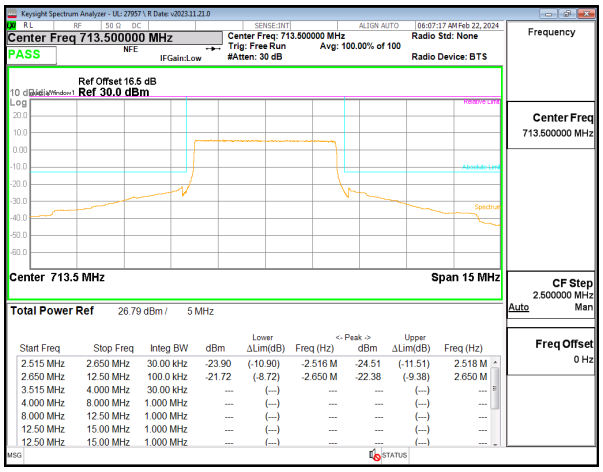
LTE B12 10MHz QPSK Low Channel RB1-0



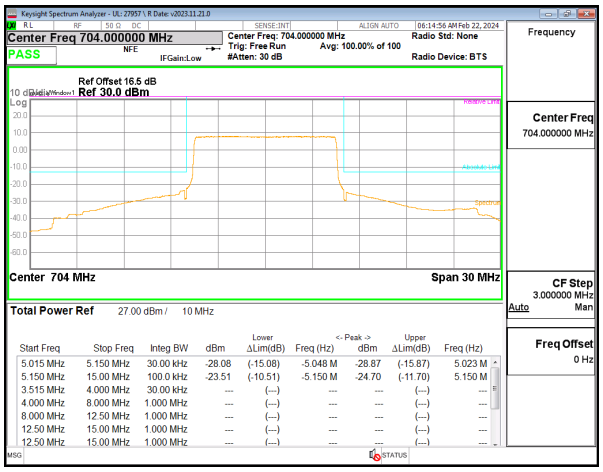
LTE B12 5MHz QPSK High Channel RB1-24



LTE B12 10MHz QPSK Low Channel RB1-49



LTE B12 5MHz QPSK High Channel RB25-0



LTE B12 10MHz QPSK Low Channel RB50-0

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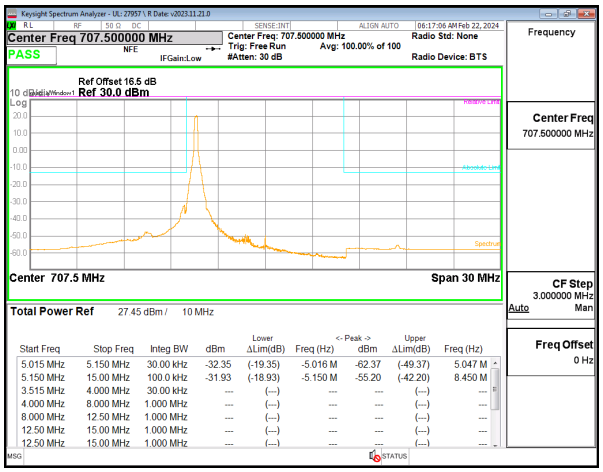
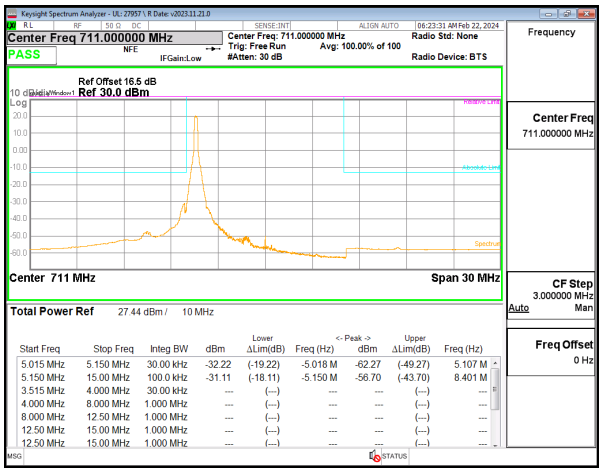
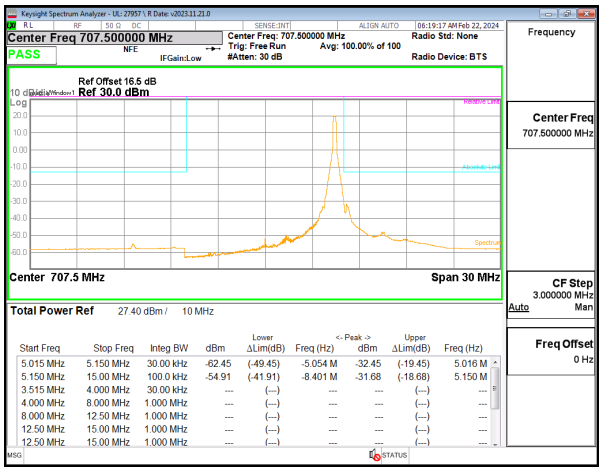


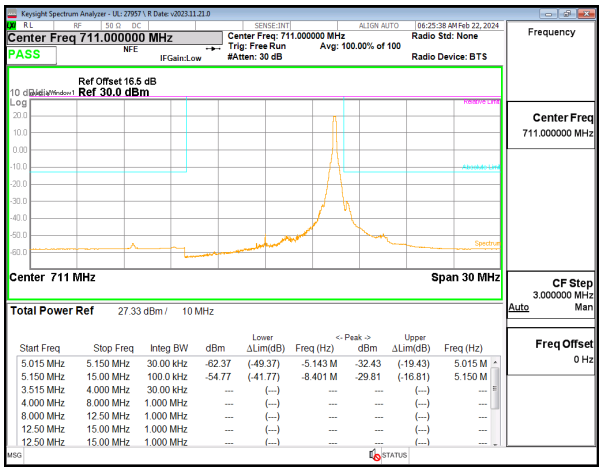
LTE B12 10MHz QPSK Middle Channel RB1-0



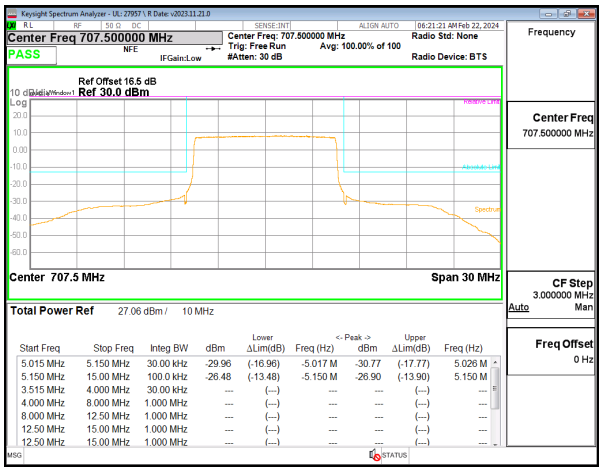
LTE B12 10MHz QPSK High Channel RB1-0



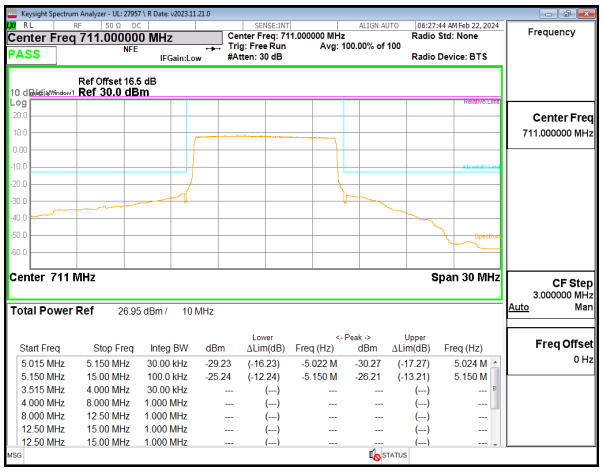
LTE B12 10MHz QPSK Middle Channel RB1-49



LTE B12 10MHz QPSK High Channel RB1-49



LTE B12 10MHz QPSK Middle Channel RB50-0



LTE B12 10MHz QPSK High Channel RB50-0

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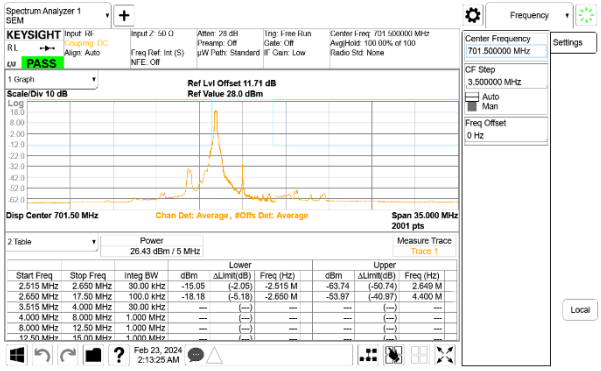
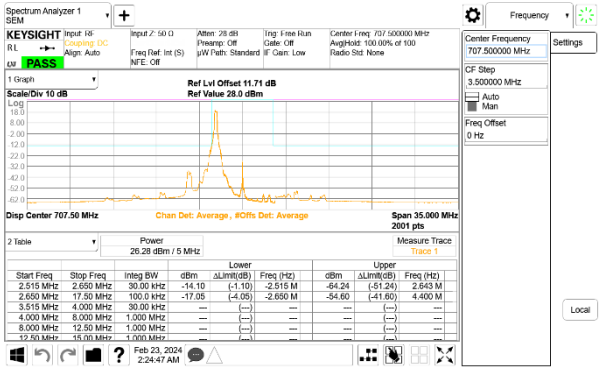
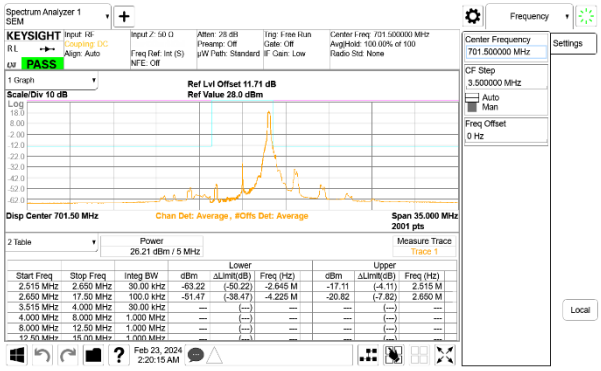
5G NR n12 EMISSION MASK



5G NR n12 5MHz BPSK Low Channel RB1-0 ID:28567



5G NR n12 5MHz BPSK Middle Channel RB1-0 ID:28567



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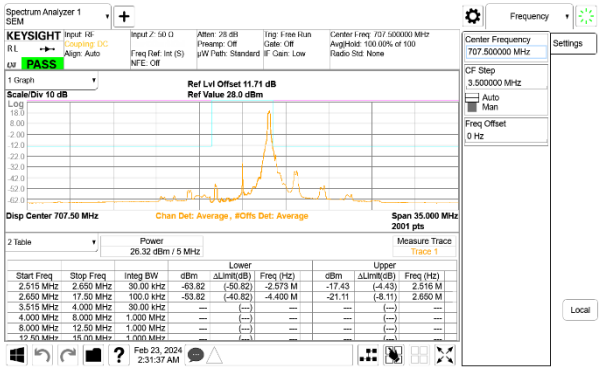
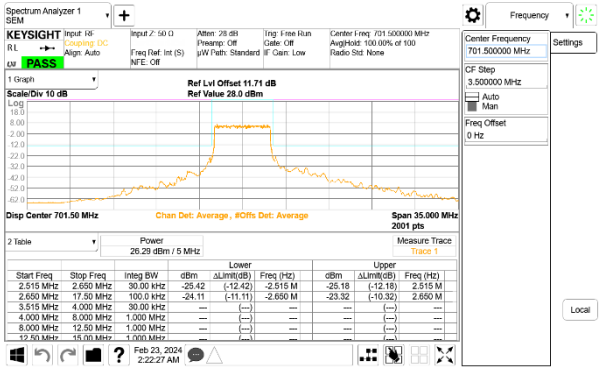


5G NR n12 5MHz BPSK Middle Channel RB1-24 ID:28567



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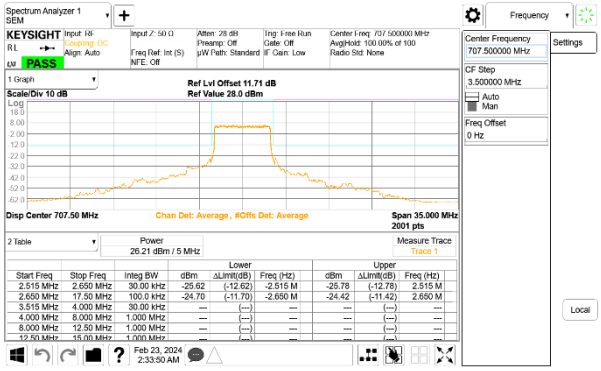

5G NR n12 5MHz BPSK Middle Channel RB25-0 ID:28567

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