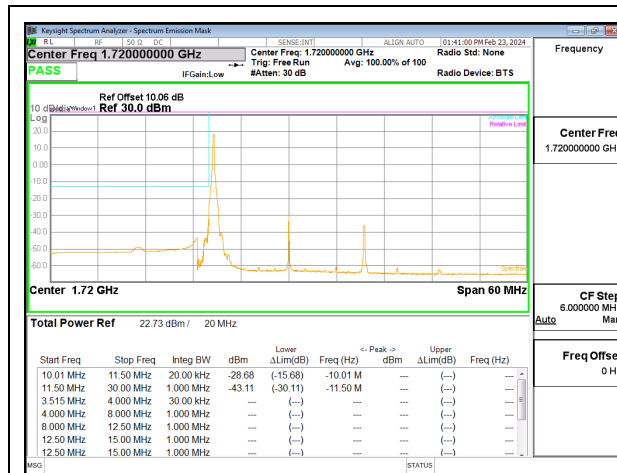
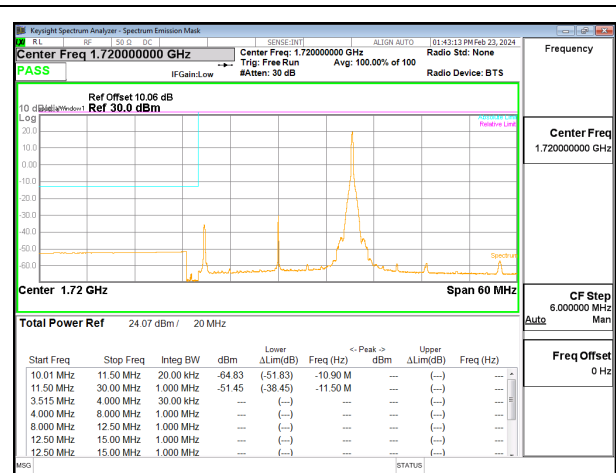
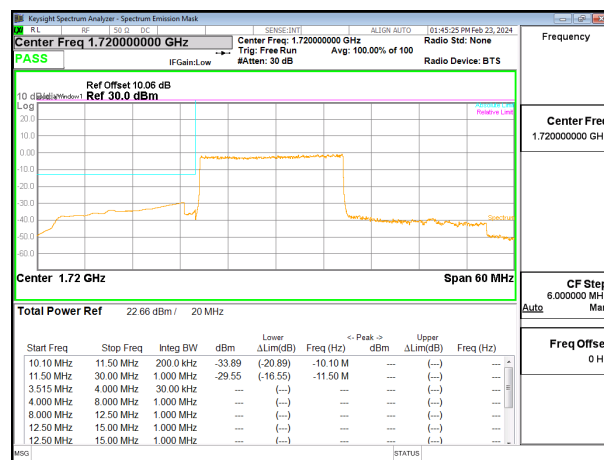




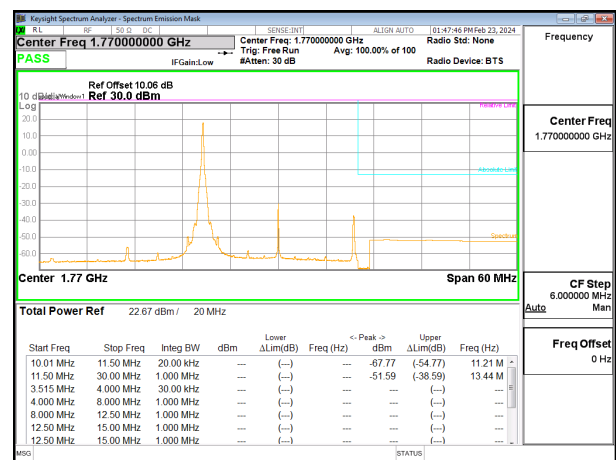
5G NR n66 20MHz QPSK Low Channel RB1-0



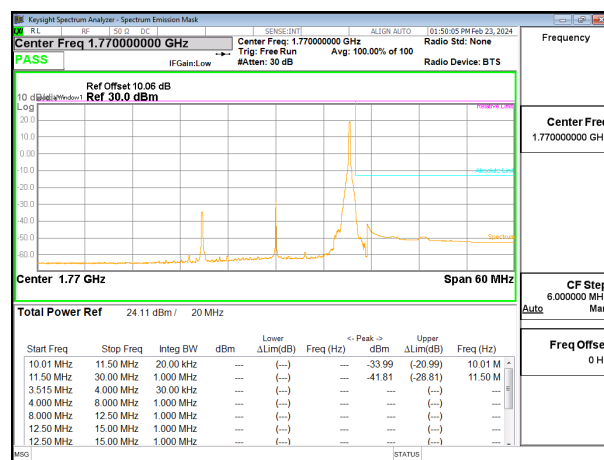
5G NR n66 20MHz QPSK Low Channel RB1-104



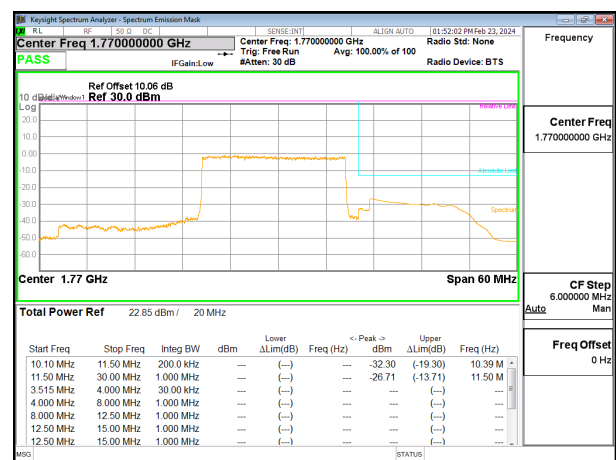
5G NR n66 20MHz QPSK Low Channel RB100-0



5G NR n66 20MHz QPSK High Channel RB1-0



5G NR n66 20MHz QPSK High Channel RB1-104



5G NR n66 20MHz QPSK High Channel RB100-0

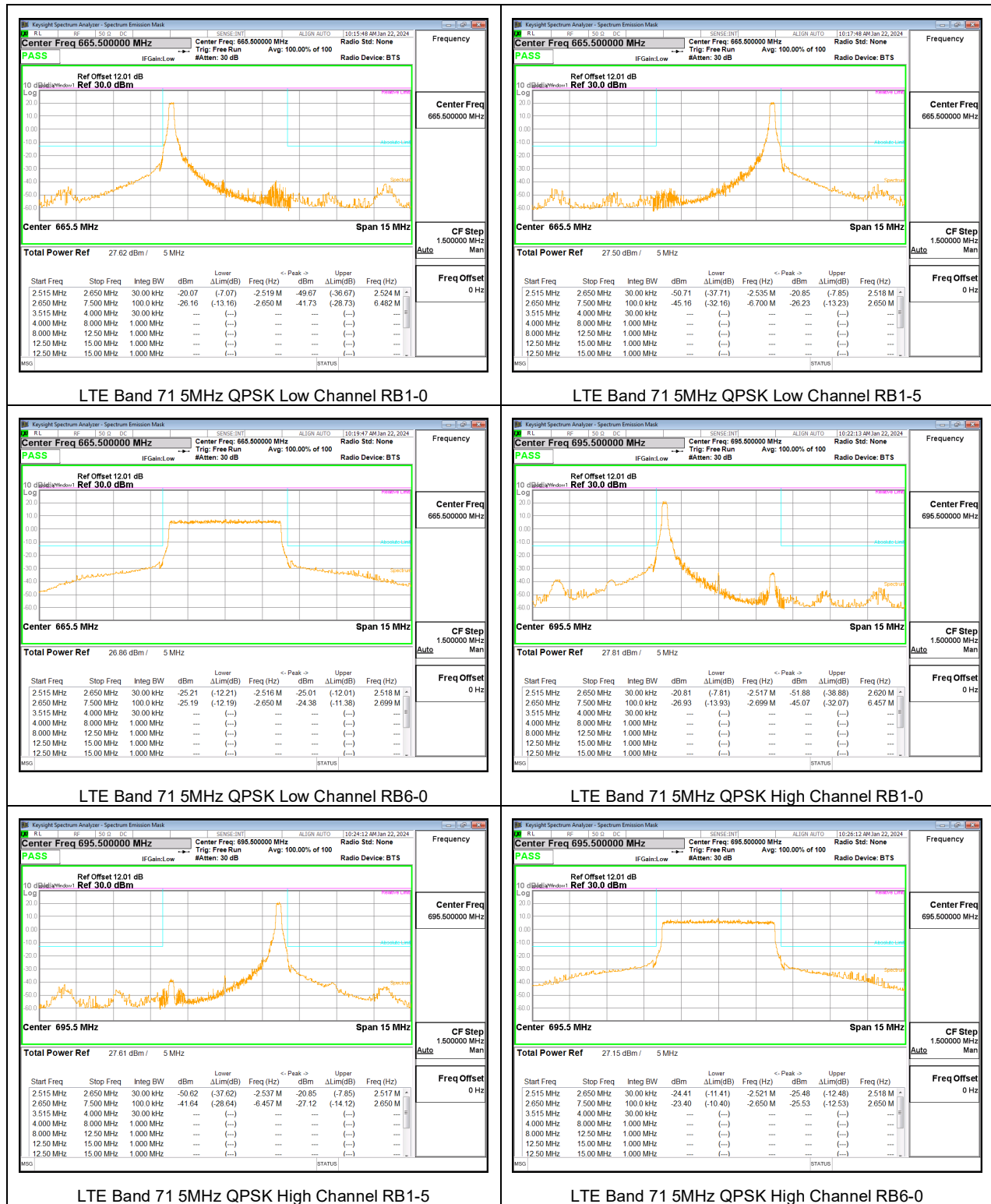
9.2.11. **LTE BAND 71 AND 5G NR n71 EMISSION MASK**

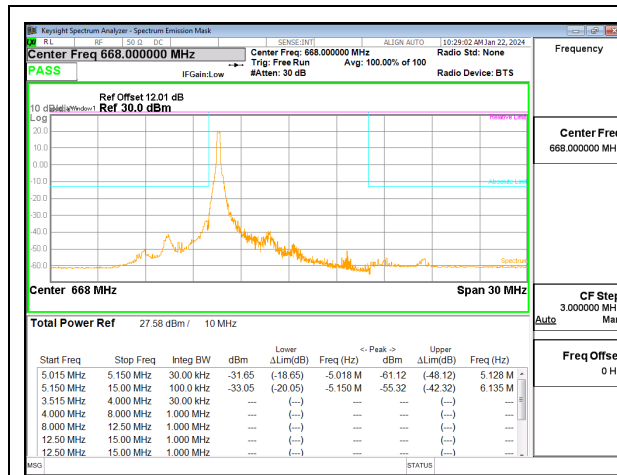
LIMITS

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.

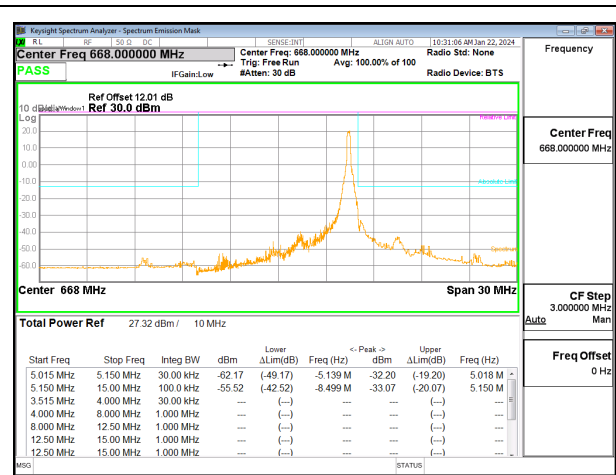
Test Engineer ID:	22797/85502	Test Date:	2024-01-22 2024-02-22	EUT Serial Number:	QV7700QGLA QV77005HJP
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LTE BAND 71

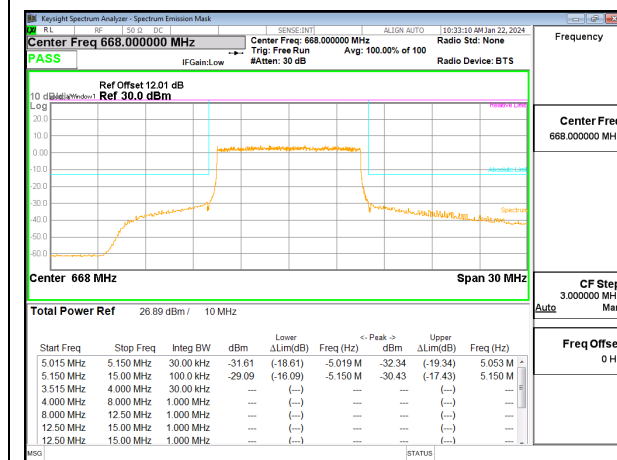




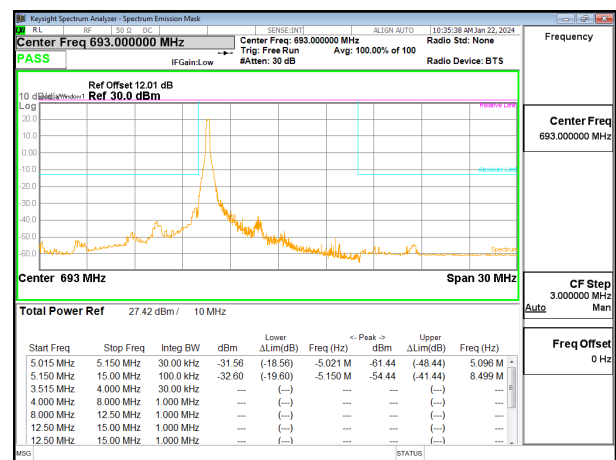
LTE Band 71 10MHz QPSK Low Channel RB1-0



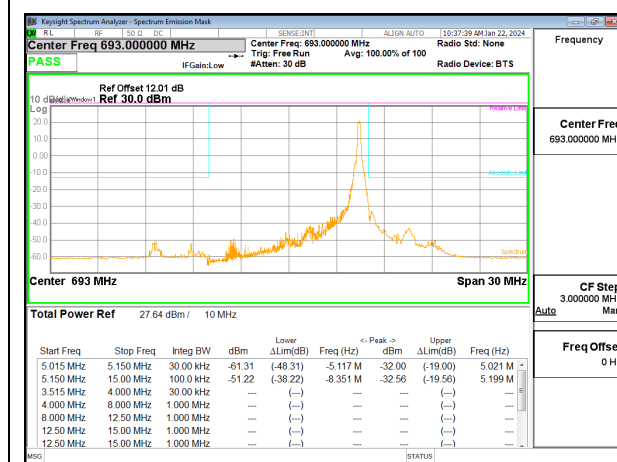
LTE Band 71 10MHz QPSK Low Channel RB1-14



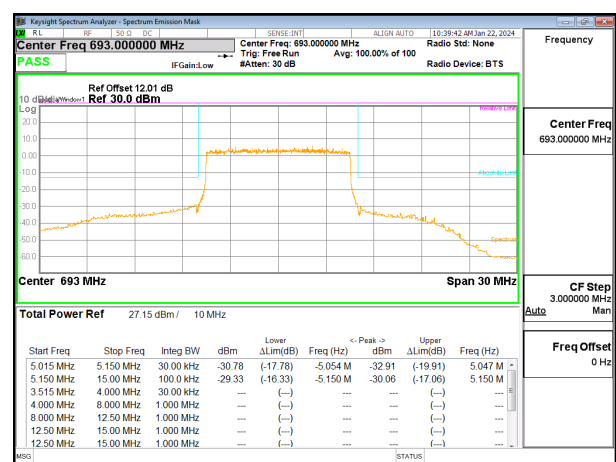
LTE Band 71 10MHz QPSK Low Channel RB15-0



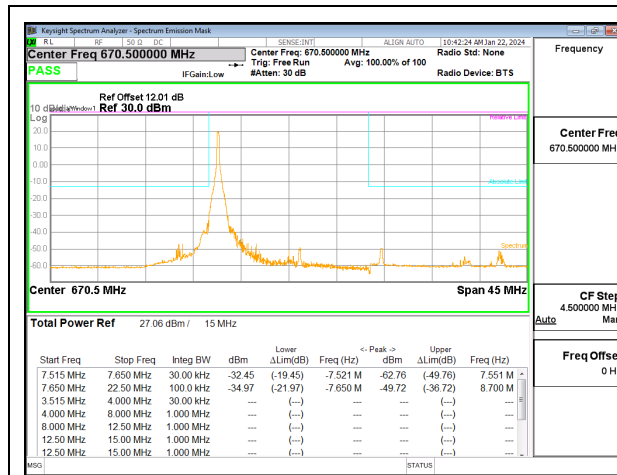
LTE Band 71 10MHz QPSK High Channel RB1-0



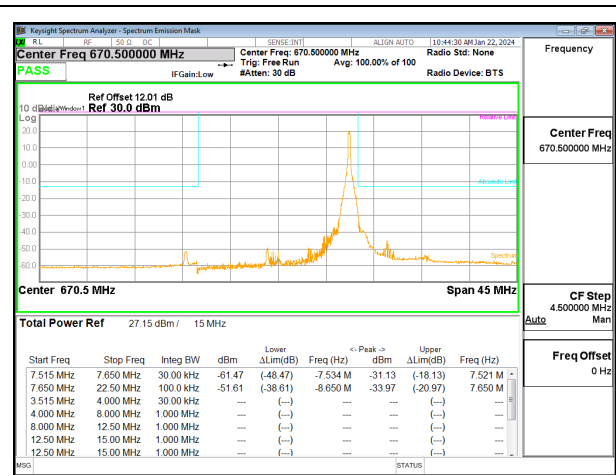
LTE Band 71 10MHz QPSK High Channel RB1-14



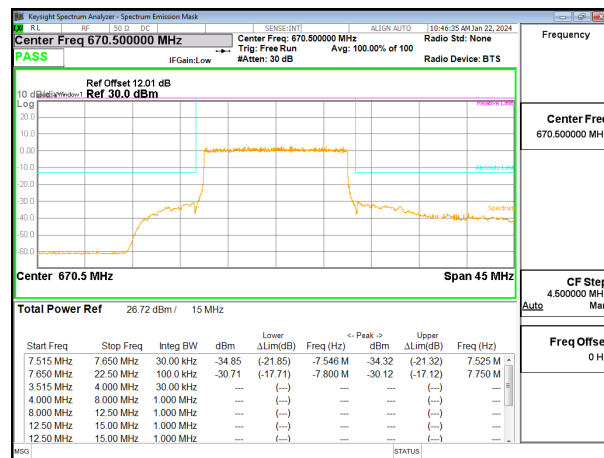
LTE Band 71 10MHz QPSK High Channel RB15-0



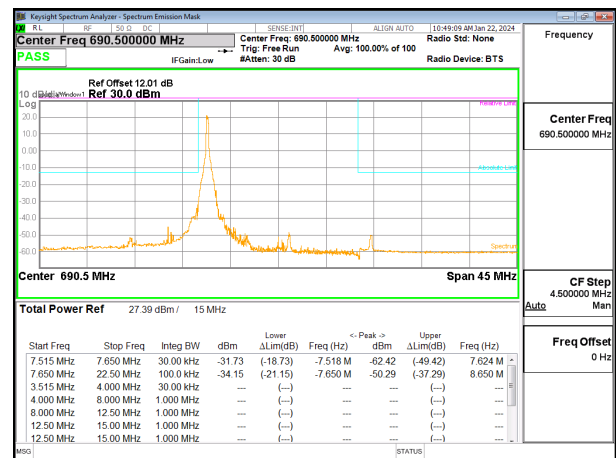
LTE Band 71 15MHz QPSK Low Channel RB1-0



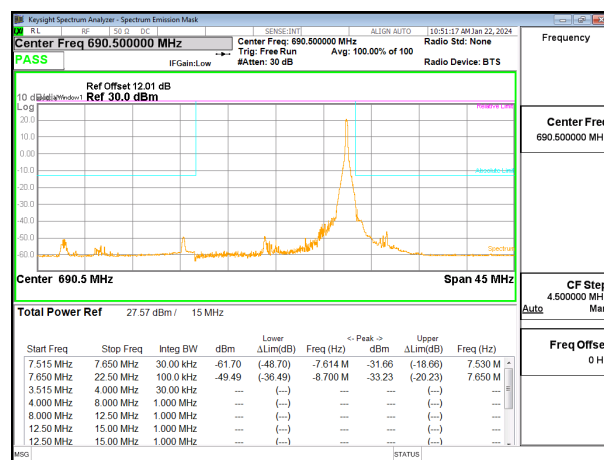
LTE Band 71 15MHz QPSK Low Channel RB1-24



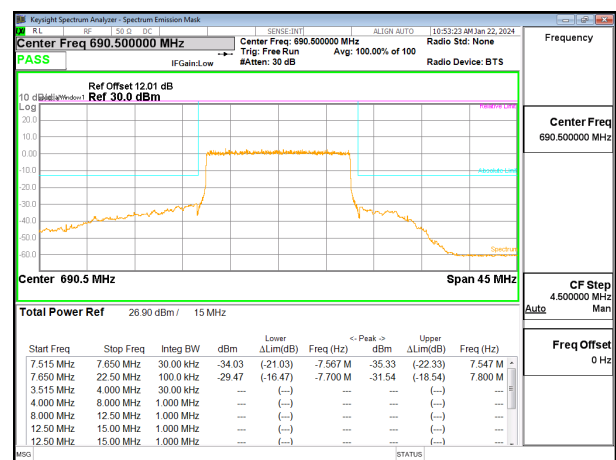
LTE Band 71 15MHz QPSK Low Channel RB25-0



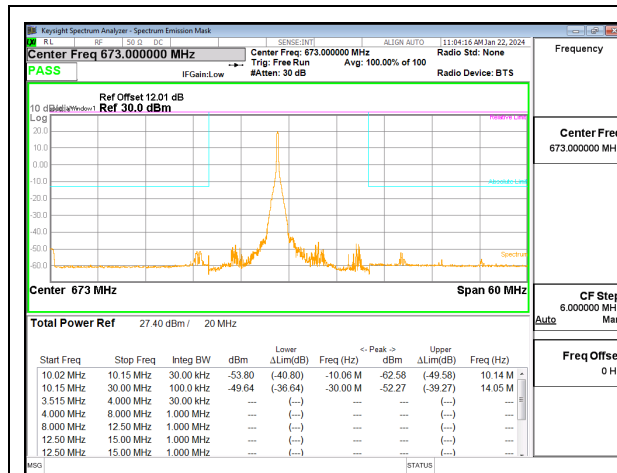
LTE Band 71 15MHz QPSK High Channel RB1-0



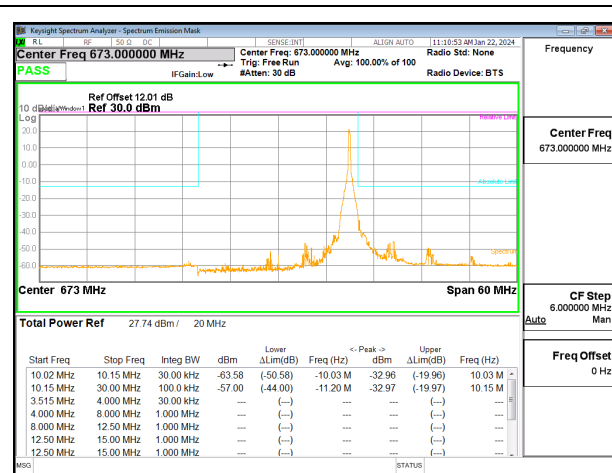
LTE Band 71 15MHz QPSK High Channel RB1-24



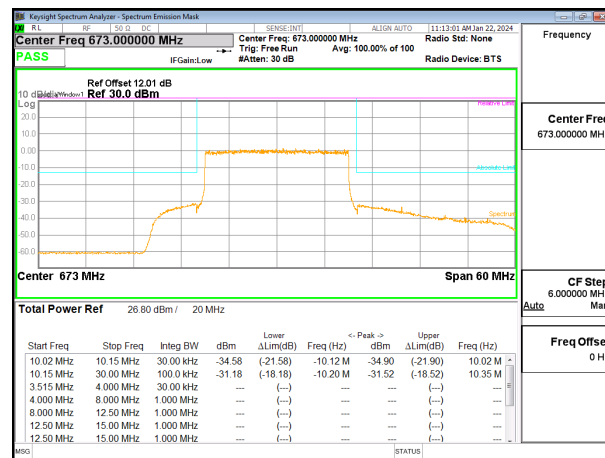
LTE Band 71 15MHz QPSK High Channel RB25-0



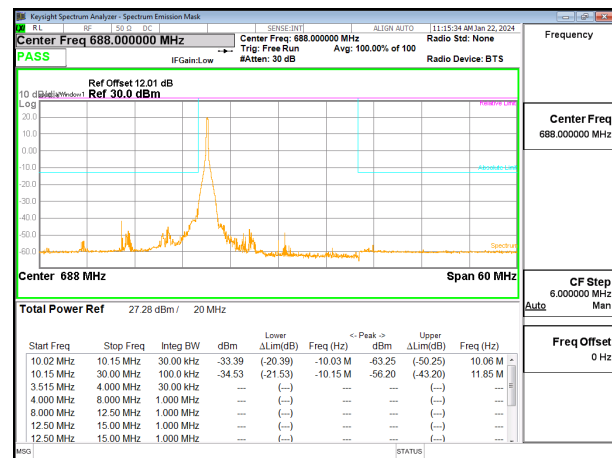
LTE Band 71 20MHz QPSK Low Channel RB1-0



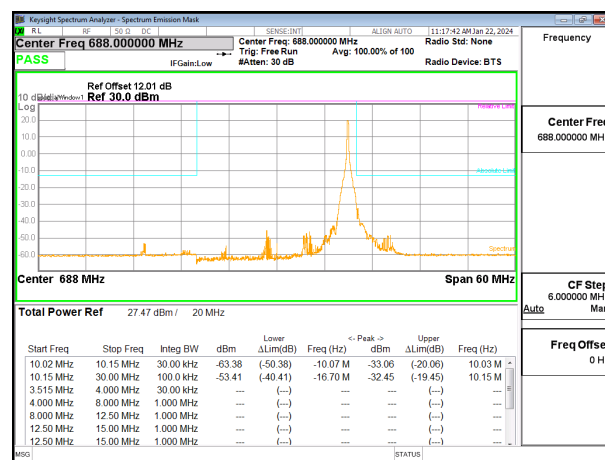
LTE Band 71 20MHz QPSK Low Channel RB1-49



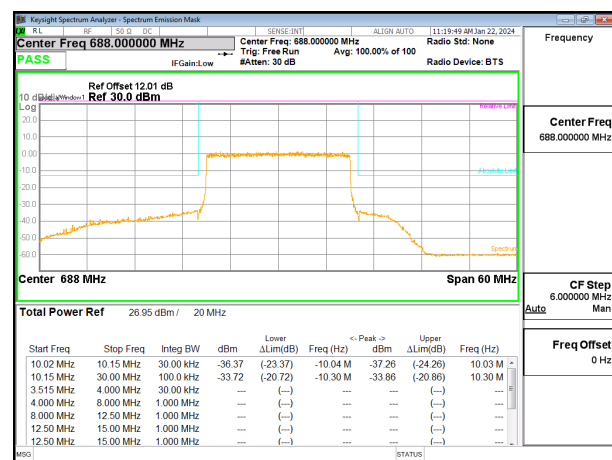
LTE Band 71 20MHz QPSK Low Channel RB50-0



LTE Band 71 20MHz QPSK High Channel RB1-0



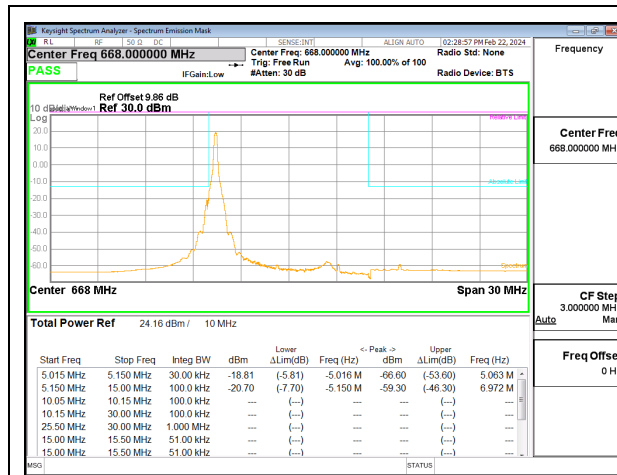
LTE Band 71 20MHz QPSK High Channel RB1-49



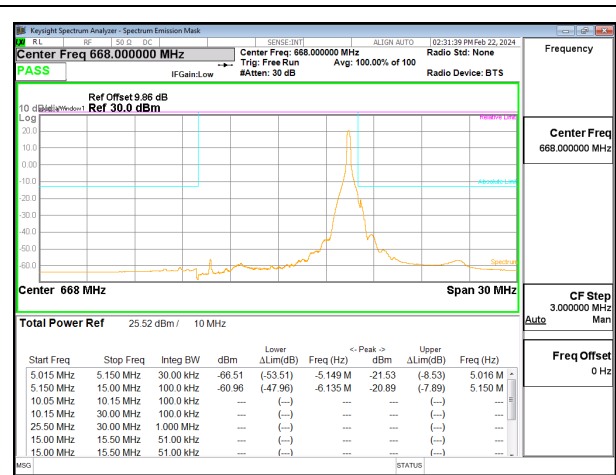
LTE Band 71 20MHz QPSK High Channel RB50-0

5G FR1 N71

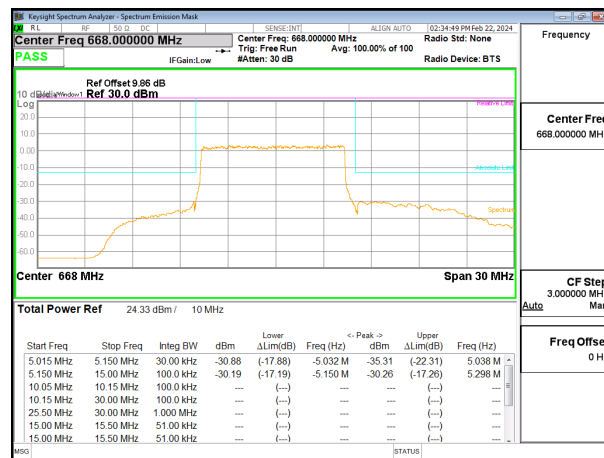




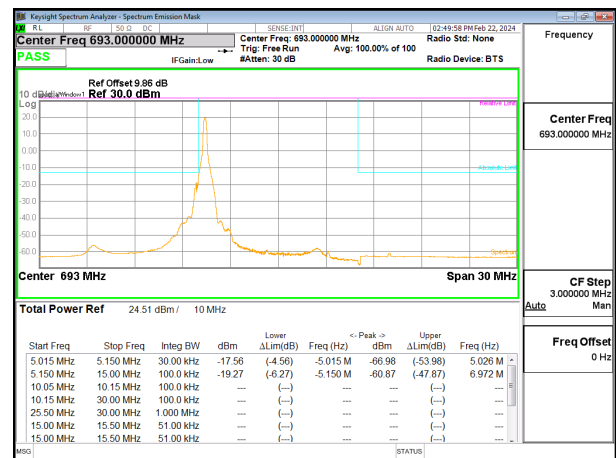
5G NR n71 10MHz QPSK Low Channel RB1-0



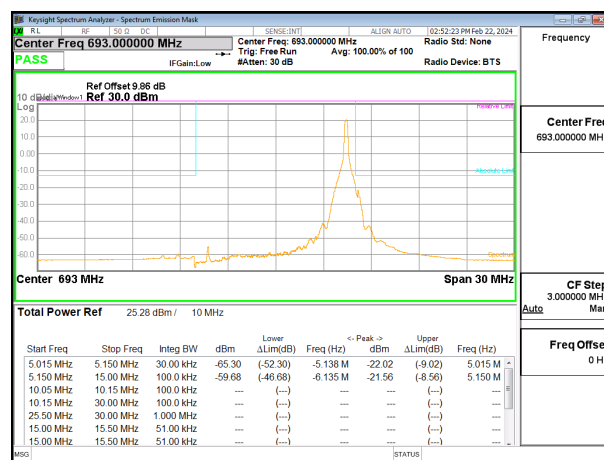
5G NR n71 10MHz QPSK Low Channel RB1-50



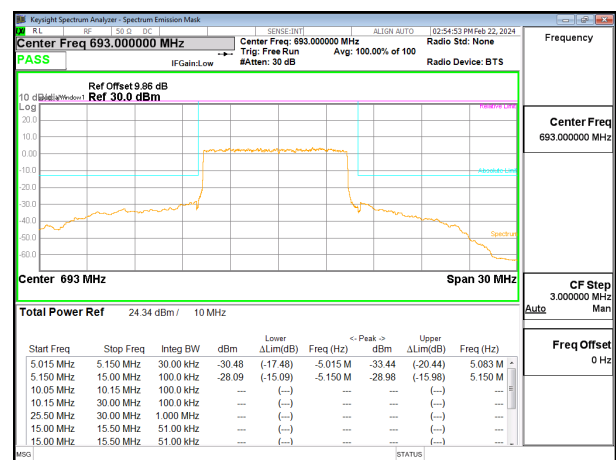
5G NR n71 10MHz QPSK Low Channel RB50-0



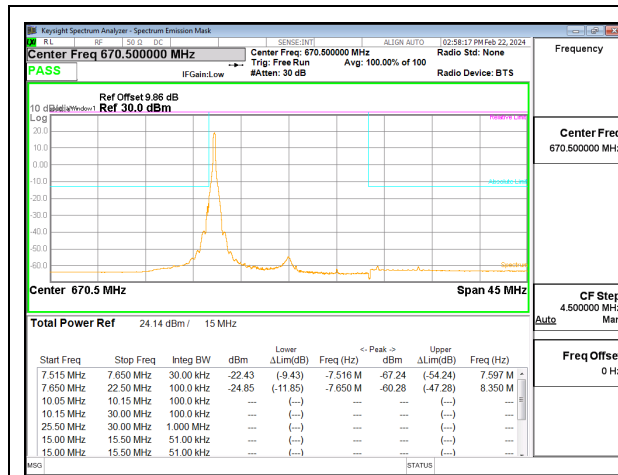
5G NR n71 10MHz QPSK High Channel RB1-0



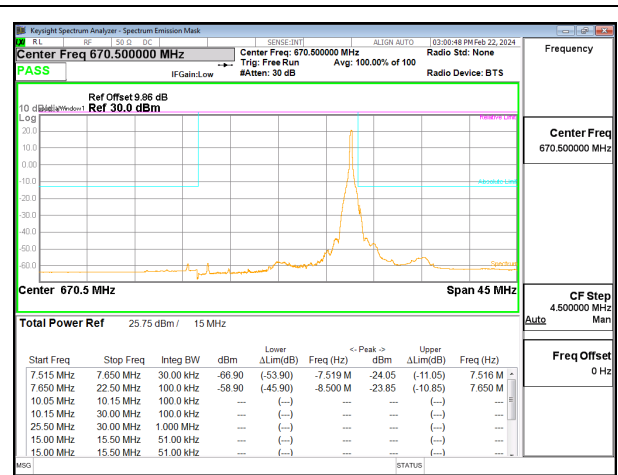
5G NR n71 10MHz QPSK High Channel RB1-50



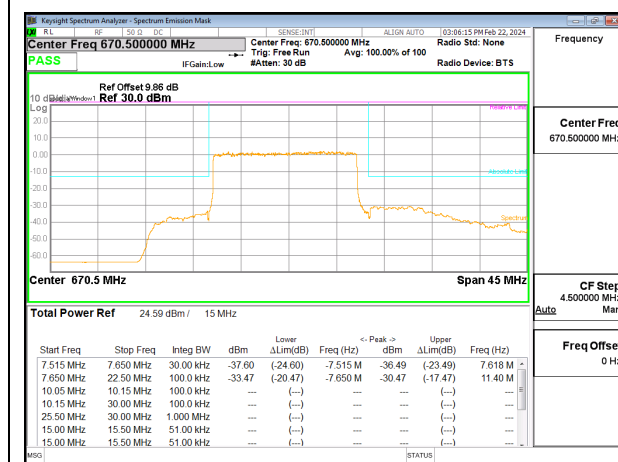
5G NR n71 10MHz QPSK High Channel RB50-0



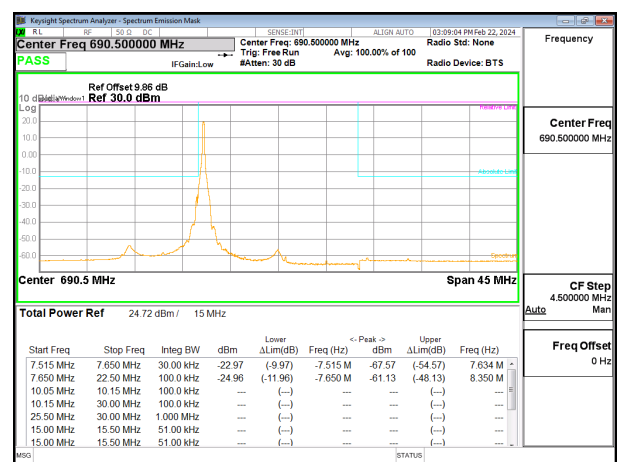
5G NR n71 15MHz QPSK Low Channel RB1-0



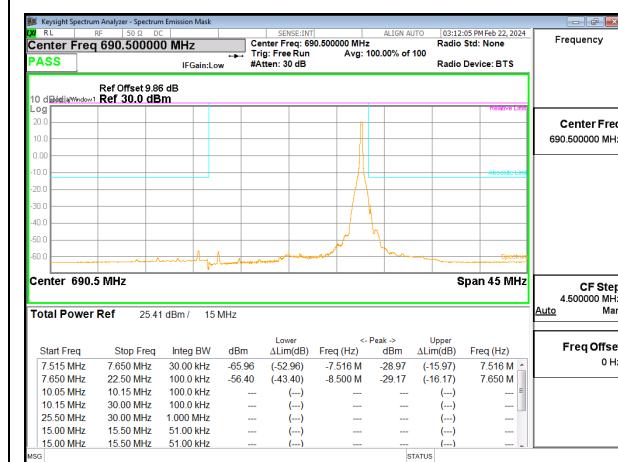
5G NR n71 15MHz QPSK Low Channel RB1-77



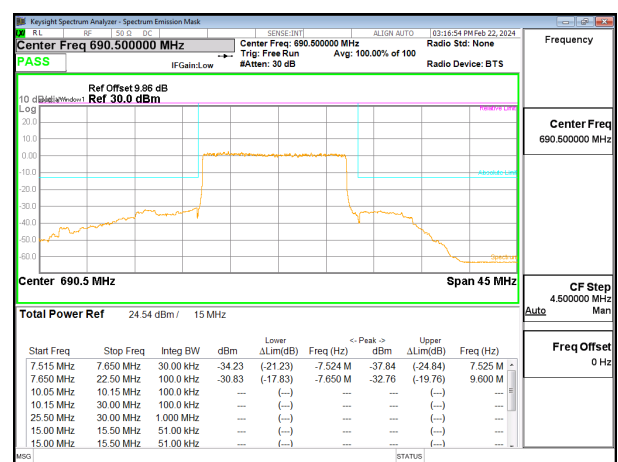
5G NR n71 15MHz QPSK Low Channel RB75-0



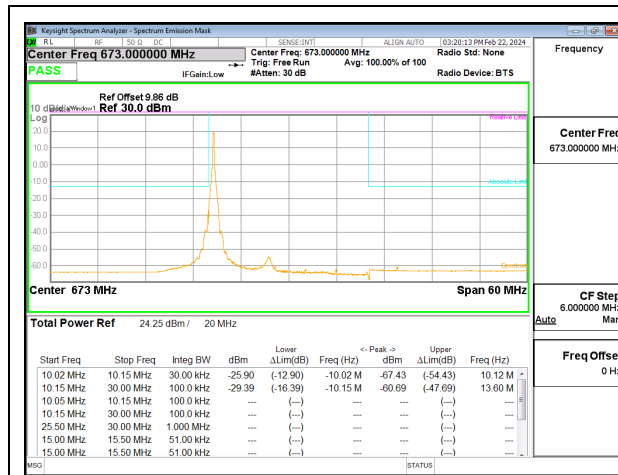
5G NR n71 15MHz QPSK High Channel RB1-0



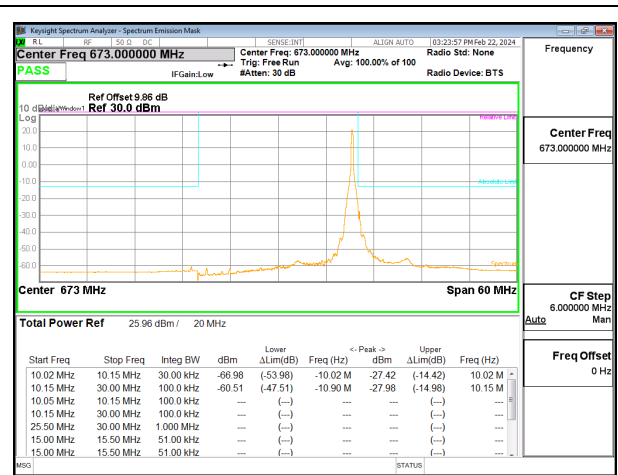
5G NR n71 15MHz QPSK High Channel RB1-77



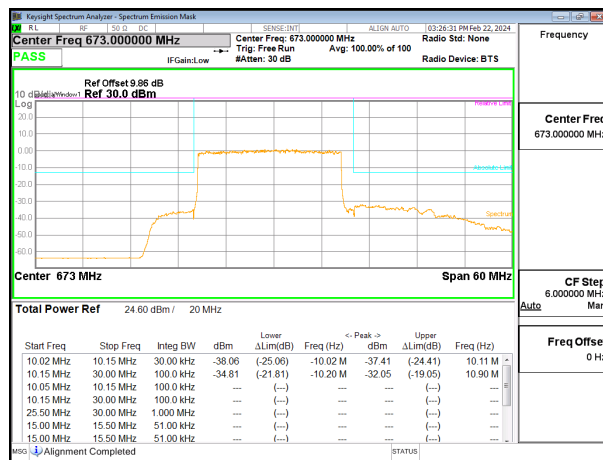
5G NR n71 15MHz QPSK High Channel RB75-0



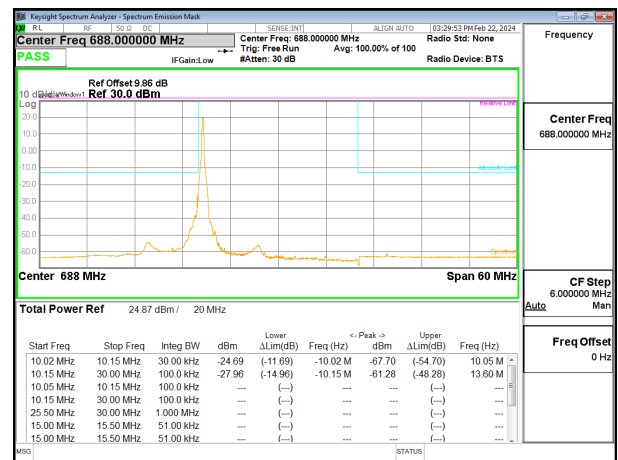
5G NR n71 20MHz QPSK Low Channel RB1-0



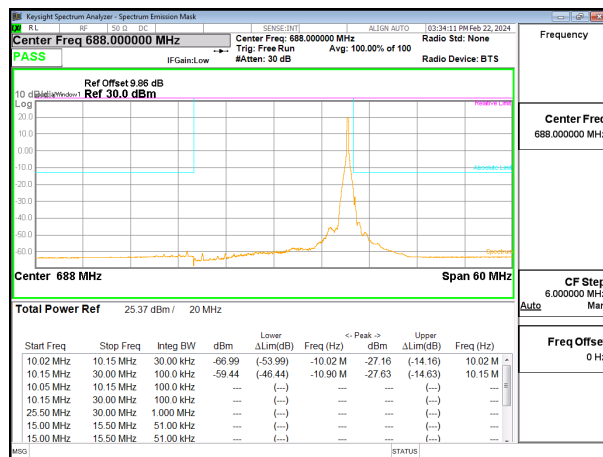
5G NR n71 20MHz QPSK Low Channel RB1-104



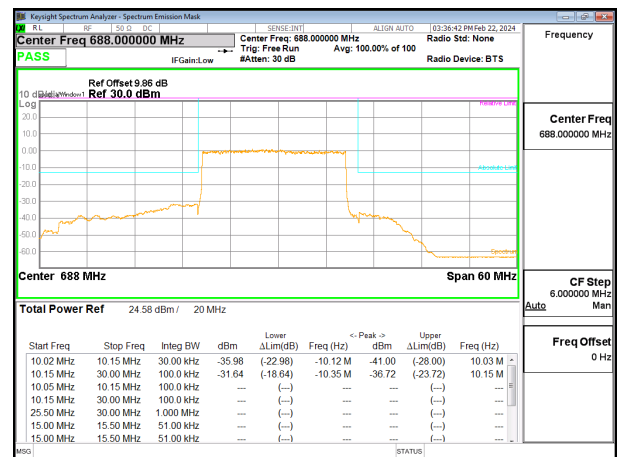
5G NR n71 20MHz QPSK Low Channel RB100-0



5G NR n71 20MHz QPSK High Channel RB1-0



5G NR n71 20MHz QPSK High Channel RB1-104



5G NR n71 20MHz QPSK High Channel RB100-0

9.2.12. 5G NR n77 EMISSION MASK (FCC Part 27 3450-3550MHz)

LIMITS

FCC: §27.53

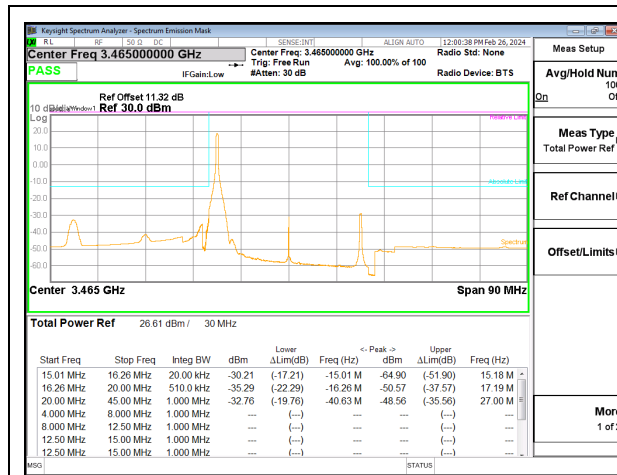
(n) 3.45 GHz Service. The following emission limits apply to stations transmitting in the 3450-3550 MHz band:

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee’s authorized bandwidth shall not exceed –13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee’s frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

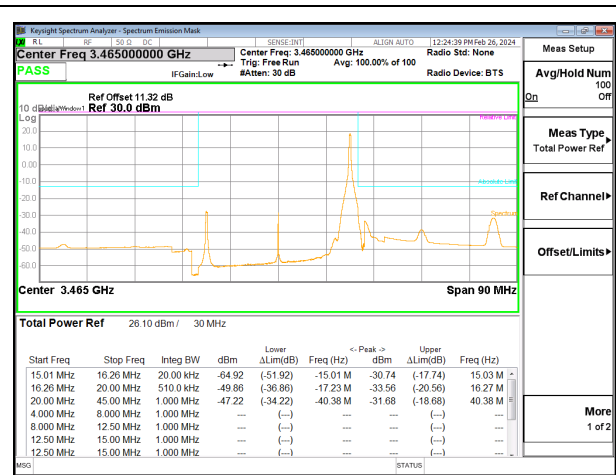
Test Engineer ID:	22797/85502	Test Date:	2024-02-26	EUT Serial Number:	QV77005HJP
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5G NR n77

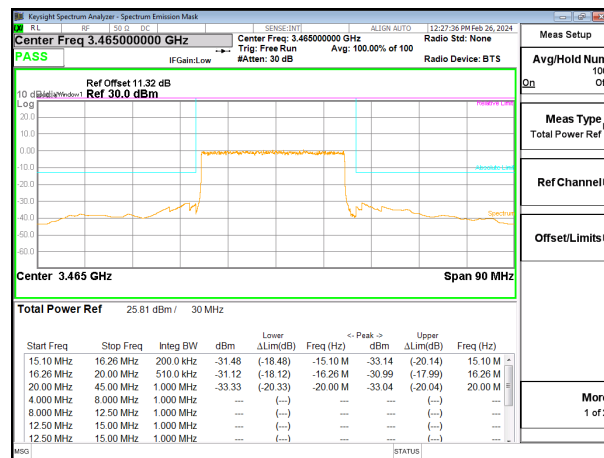




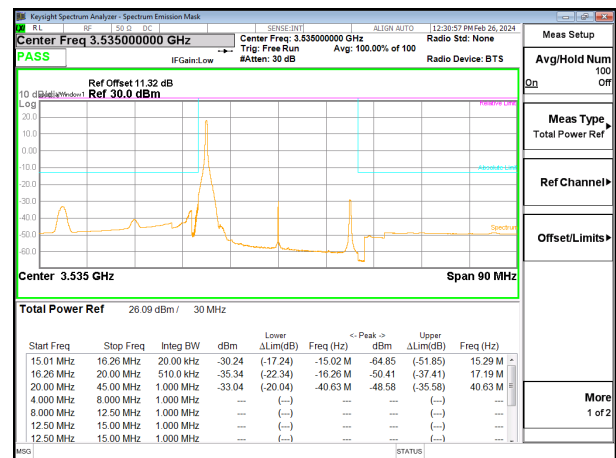
5G NR n77 30MHz QPSK Low Channel RB1-0



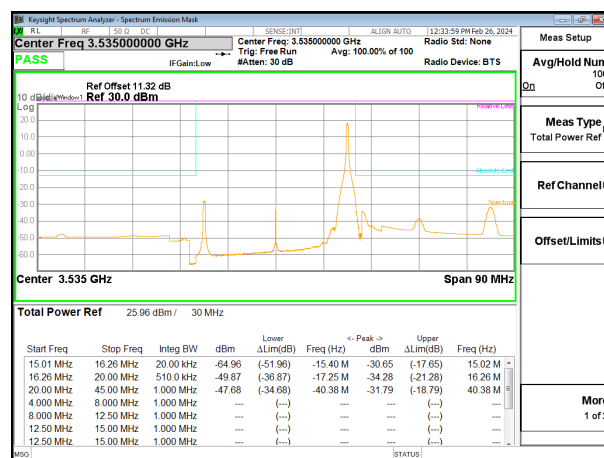
5G NR n77 30MHz QPSK Low Channel RB1-77



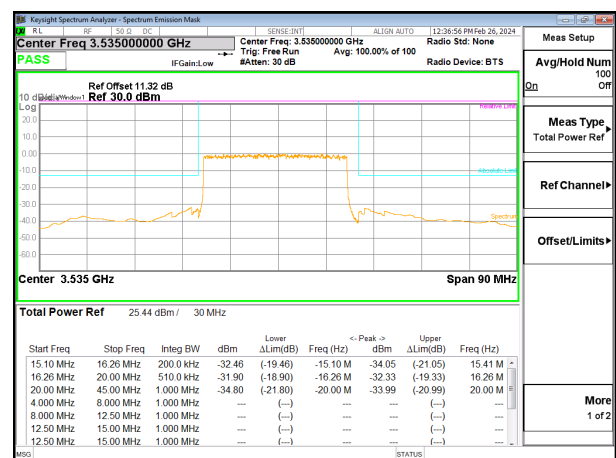
5G NR n77 30MHz QPSK Low Channel RB75-0



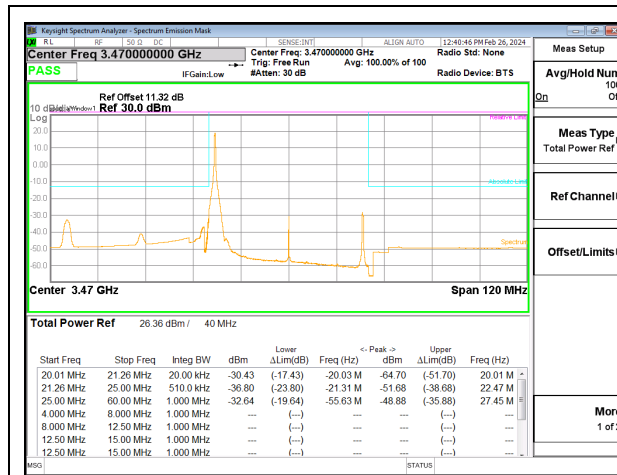
5G NR n77 30MHz QPSK High Channel RB1-0



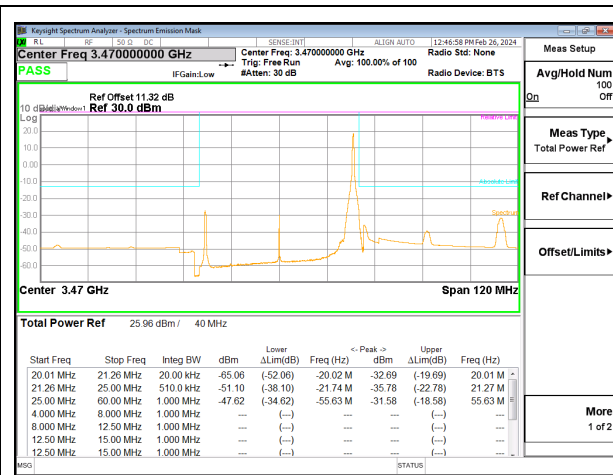
5G NR n77 30MHz QPSK High Channel RB1-7



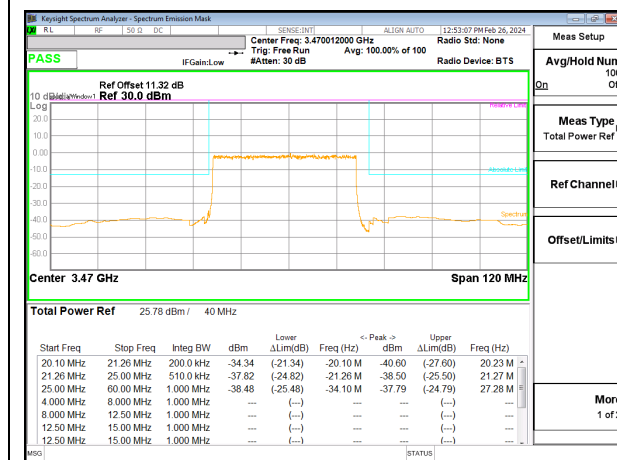
5G NR n77 30MHz QPSK High Channel RB75-0



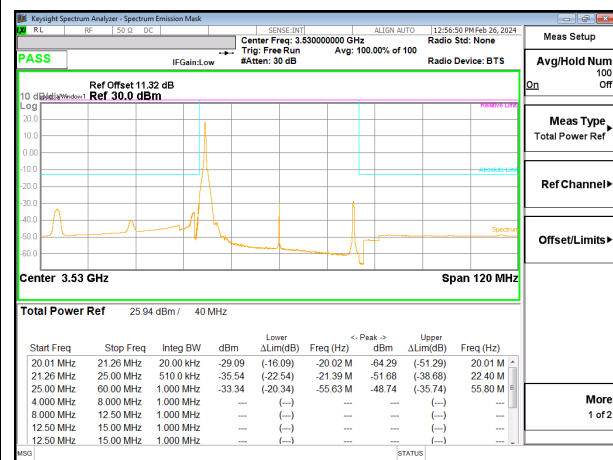
5G NR n77 40MHz QPSK Low Channel RB1-0



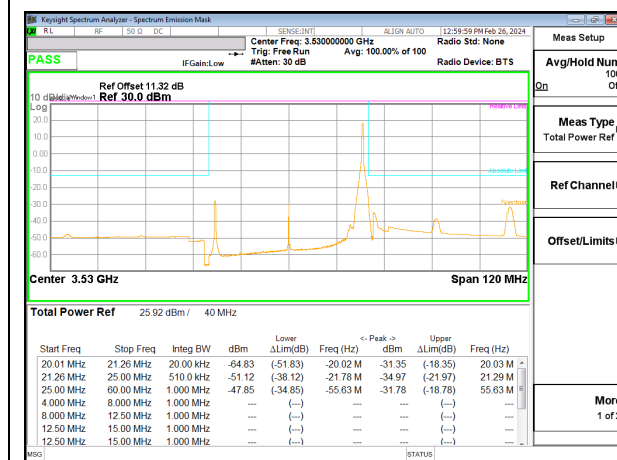
5G NR n77 40MHz QPSK Low Channel RB1-104



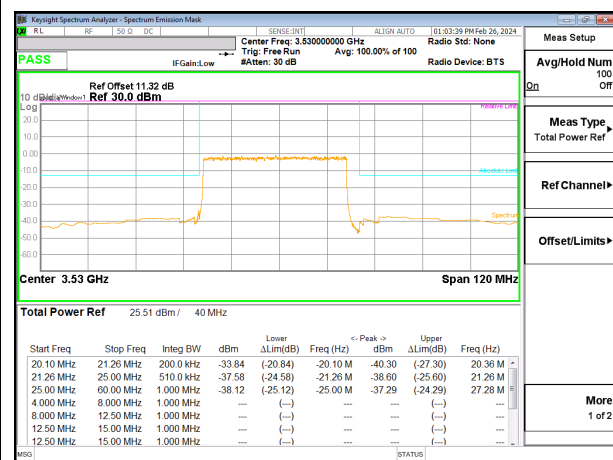
5G NR n77 40MHz QPSK Low Channel RB100-0



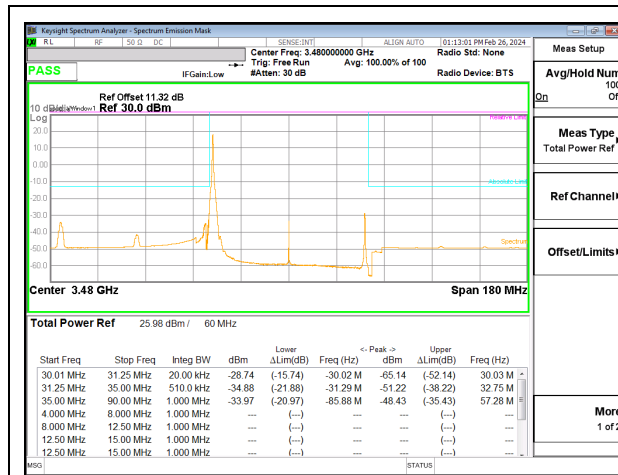
5G NR n77 40MHz QPSK High Channel RB1-0



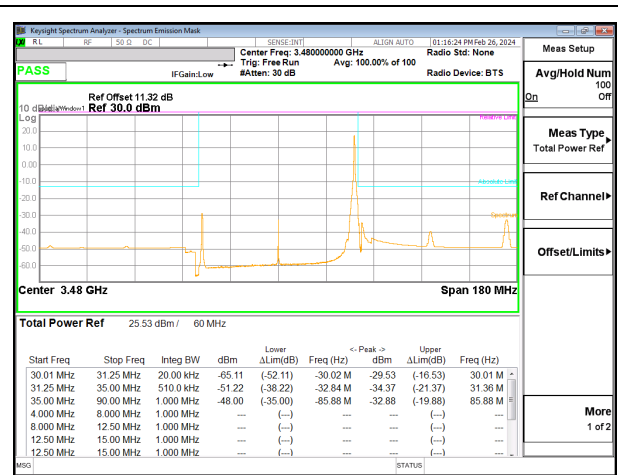
5G NR n77 40MHz QPSK High Channel RB1-104



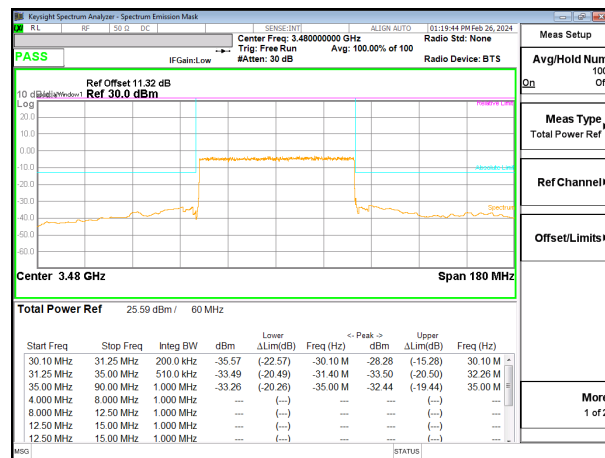
5G NR n77 40MHz QPSK High Channel RB100-0



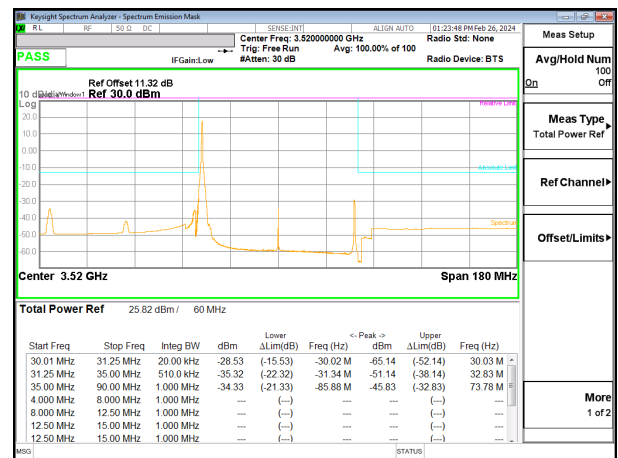
5G NR n77 60MHz QPSK Low Channel RB1-0



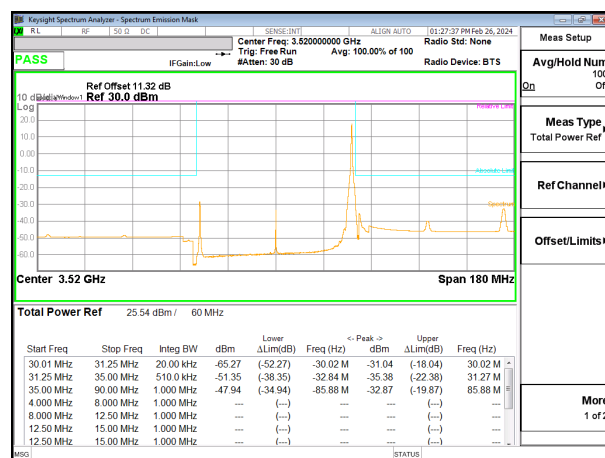
5G NR n77 60MHz QPSK Low Channel RB1-10



5G NR n77 60MHz QPSK Low Channel RB160-0



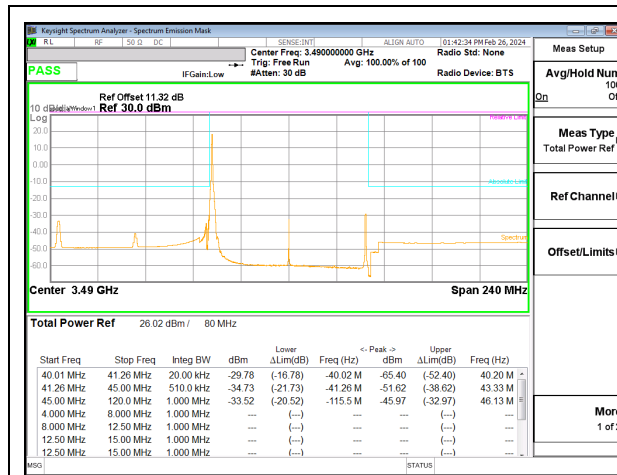
5G NR n77 60MHz QPSK High Channel RB1-0



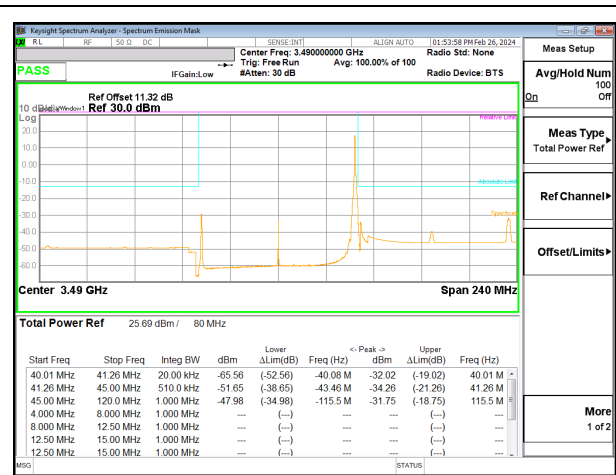
5G NR n77 60MHz QPSK High Channel RB1-16+0



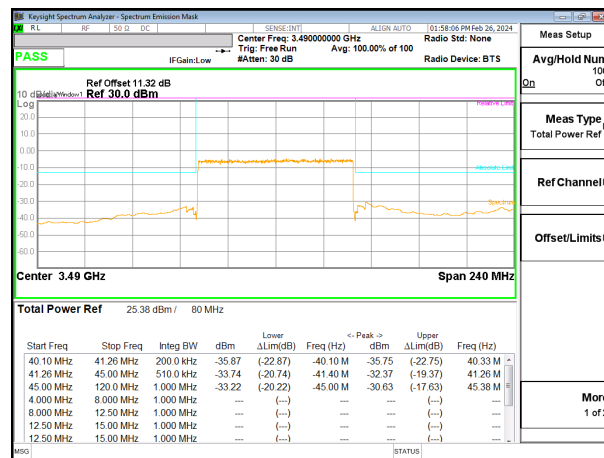
5G NR n77 60MHz QPSK High Channel RB162-0



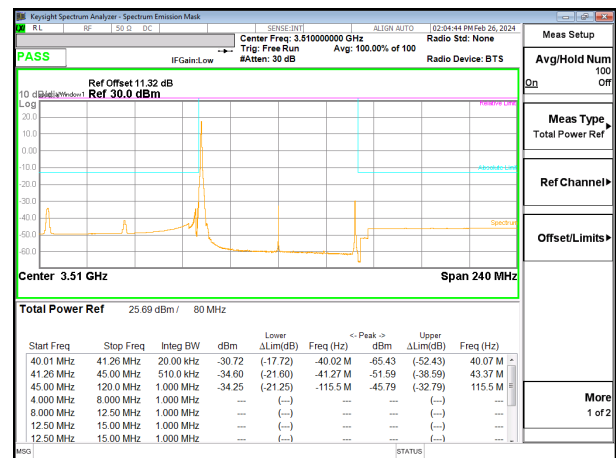
5G NR n77 80MHz QPSK Low Channel RB1-0



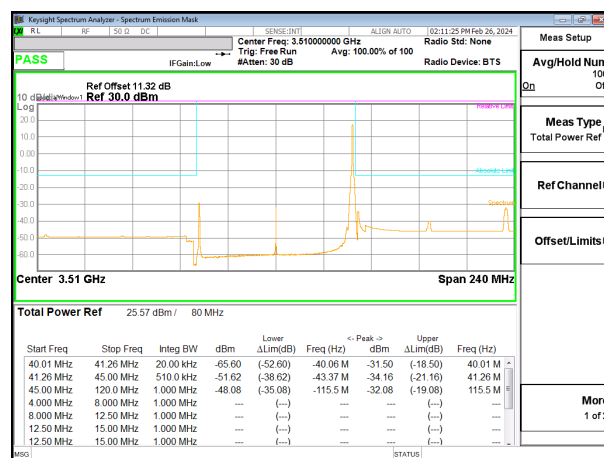
5G NR n77 80MHz QPSK Low Channel RB1-215



5G NR n77 80MHz QPSK Low Channel RB216-0



5G NR n77 80MHz QPSK High Channel RB1-0



5G NR n77 80MHz QPSK High Channel RB1-215



5G NR n77 80MHz QPSK High Channel RB216-0



Copyright Spectrum Analyzer - Spectrum Emission Mask

RF 50.0 DC SENSE INT ALIGN AUTO 02:24:19 PM Feb 26, 2024

PASS

IF Gain: Low

Center Freq: 3.500000000 GHz

Radio Std: None

Radio Device: BTS

Trig: Free Run

Avg: 100.00% of 100

Meas Setup

Avg/Hold Num 100

Meas Type Total Power Ref

Ref Channel

Offset/Limits

Ref Offset 11.32 dB

Ref 30.0 dBm

Center 3.5 GHz

Span 300 MHz

Total Power Ref 25.58 dBm / 100 MHz

Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)
50.01 MHz	51.26 MHz	20.00 kHz	-65.82	(-52.82)	-51.21 M	-30.19	(-17.19)	50.01 M
51.26 MHz	55.00 MHz	510.0 kHz	-51.53	(-38.53)	-53.78 M	-34.85	(-21.85)	51.29 M
55.00 MHz	150.0 MHz	1.000 MHz	-48.31	(-35.31)	-145.7 M	-31.63	(-18.63)	145.7 M
4.000 MHz	8.000 MHz	1.000 MHz	---	(---)	---	---	(---)	---
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

More 1 of 2

5G NR n77 100MHz QPSK Low Channel RB1-271

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RF 50.0 DC SENSE INT ALIGN AUTO 02:28:28 PM Feb 26, 2024

PASS

IF Gain: Low

Center Freq: 3.500000000 GHz

Radio Std: None

Radio Device: BTS

Trig: Free Run

Avg: 100.00% of 100

Meas Setup

Avg/Hold Num 100

Meas Type Total Power Ref

Ref Channel

Offset/Limits

Ref Offset 11.32 dB

Ref 30.0 dBm

Center 3.5 GHz

Span 300 MHz

Total Power Ref 25.55 dBm / 100 MHz

Start Freq	Stop Freq	Integ BW	dBm	Lower ΔLim(dB)	Freq (Hz)	dBm	Upper ΔLim(dB)	Freq (Hz)
50.01 MHz	51.26 MHz	20.00 kHz	-37.07	(-24.07)	-50.10 M	-39.84	(-26.84)	50.71 M
51.26 MHz	55.00 MHz	510.0 kHz	-36.85	(-23.85)	-53.45 M	-36.36	(-23.36)	51.54 M
55.00 MHz	150.0 MHz	1.000 MHz	-34.62	(-21.62)	-55.00 M	-32.59	(-19.59)	144.8 M
4.000 MHz	8.000 MHz	1.000 MHz	---	(---)	---	---	(---)	---
8.000 MHz	12.50 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---
12.50 MHz	15.00 MHz	1.000 MHz	---	(---)	---	---	(---)	---

More 1 of 2

5G NR n77 100MHz QPSK Low Channel RB270-0

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9.2.13. 5G NR n77 EMISSION MASK (FCC Part 27 3700-3980MHz)**LIMITS**

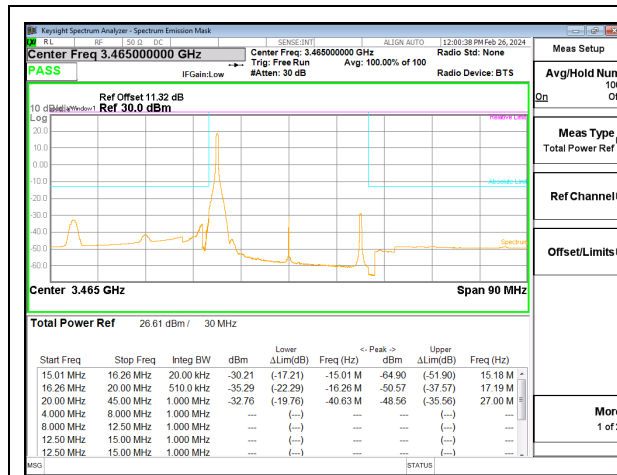
FCC: §27.53

(1) 3.7 GHz Service. The following emission limits apply to stations transmitting in the 3700-3980 MHz band:

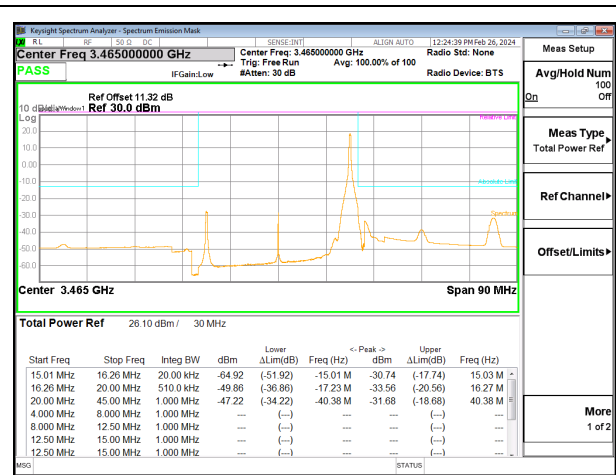
(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (1)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

5G NR n77

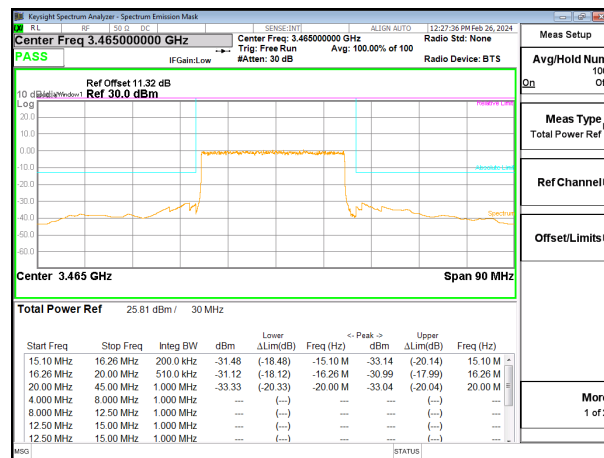




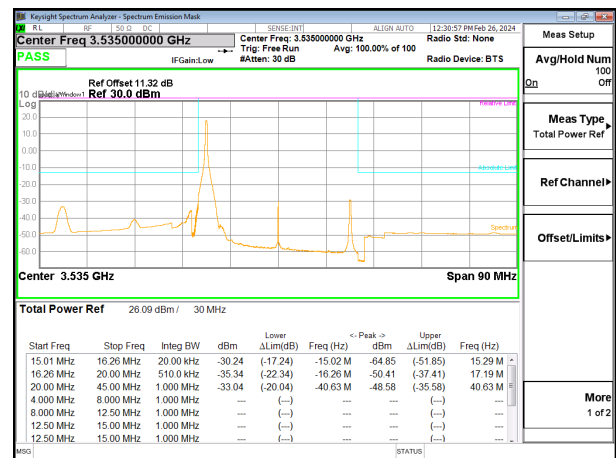
5G NR n77 30MHz QPSK Low Channel RB1-0



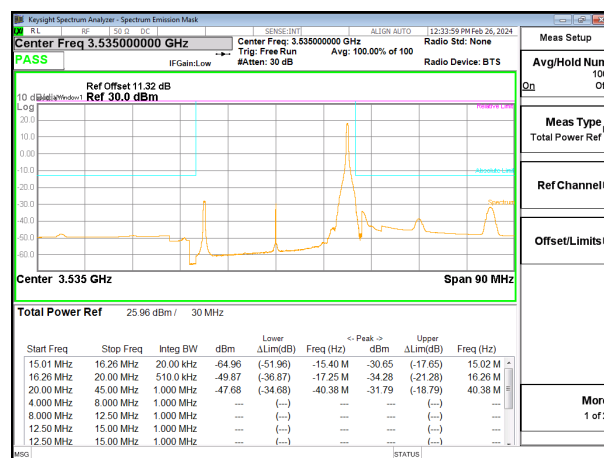
5G NR n77 30MHz QPSK Low Channel RB1-77



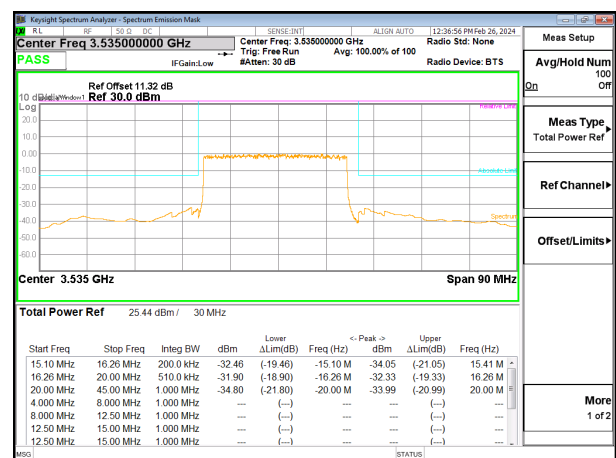
5G NR n77 30MHz QPSK Low Channel RB75-0



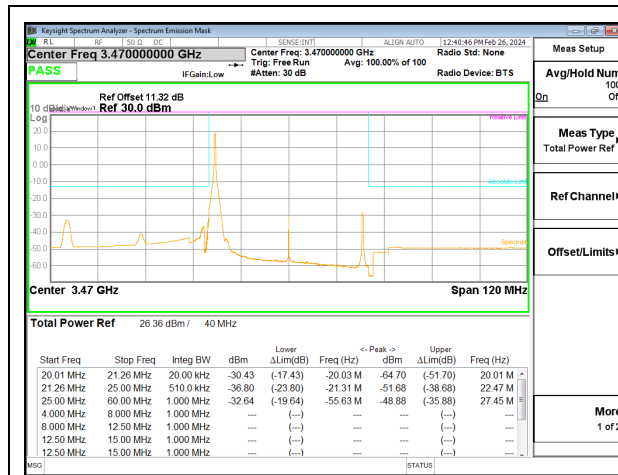
5G NR n77 30MHz QPSK High Channel RB1-0



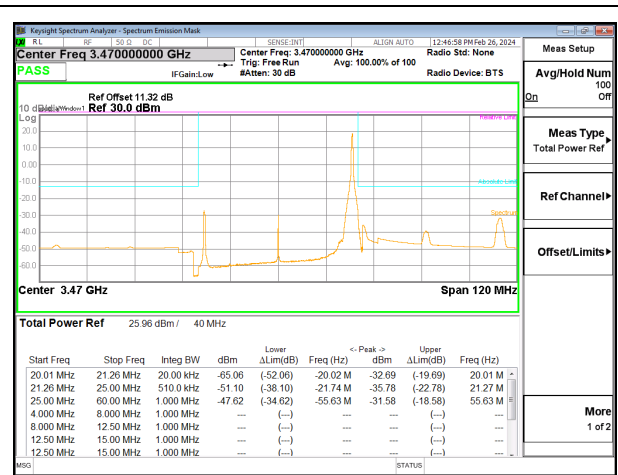
5G NR n77 30MHz QPSK High Channel RB1-7



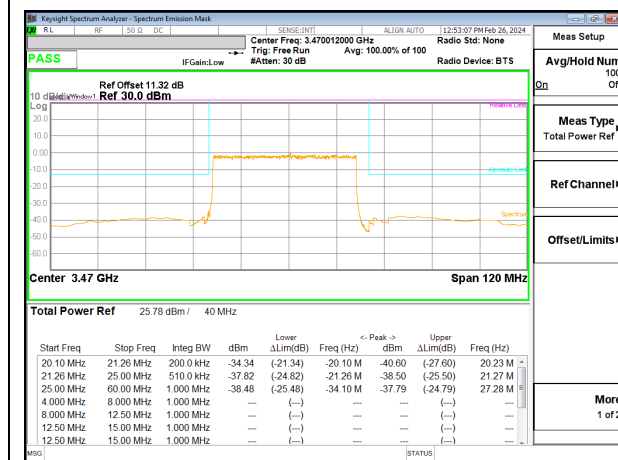
5G NR n77 30MHz QPSK High Channel RB75-0



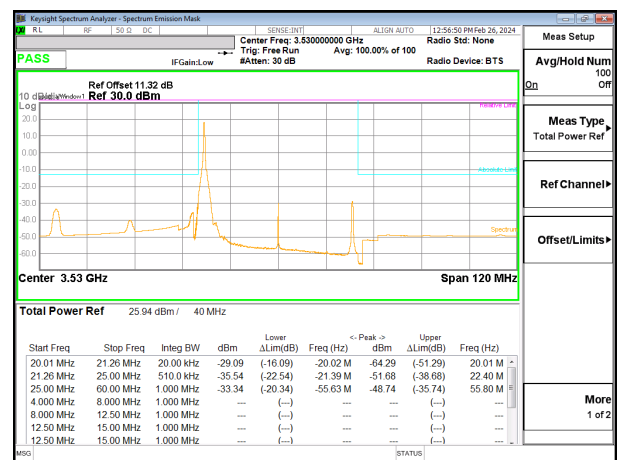
5G NR n77 40MHz QPSK Low Channel RB1-0



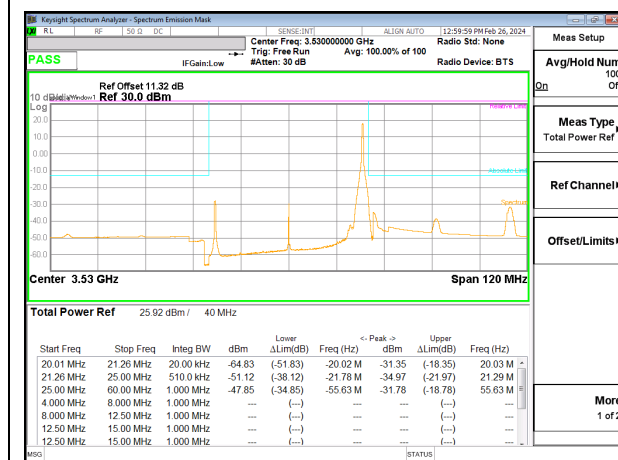
5G NR n77 40MHz QPSK Low Channel RB1-104



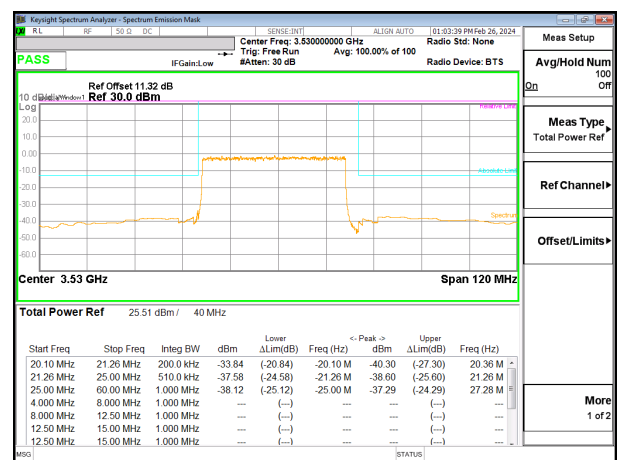
5G NR n77 40MHz QPSK Low Channel RB100-0



5G NR n77 40MHz QPSK High Channel RB1-0



5G NR n77 40MHz QPSK High Channel RB1-104



5G NR n77 40MHz QPSK High Channel RB100-0