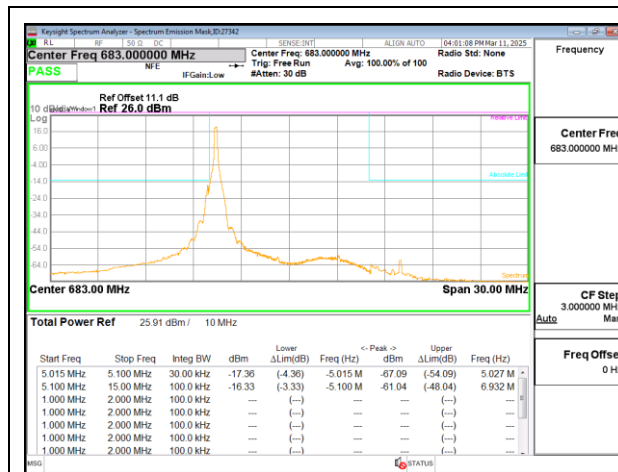
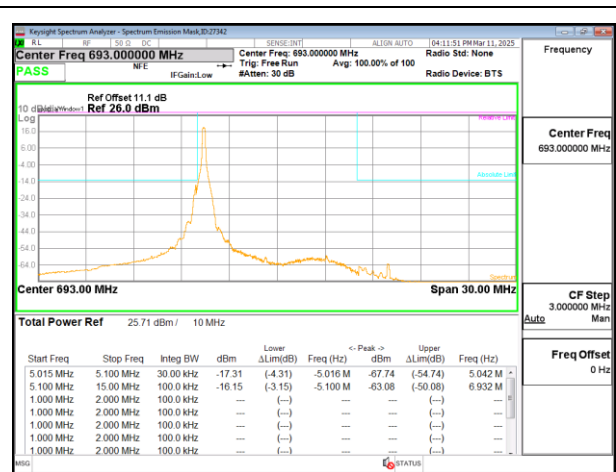


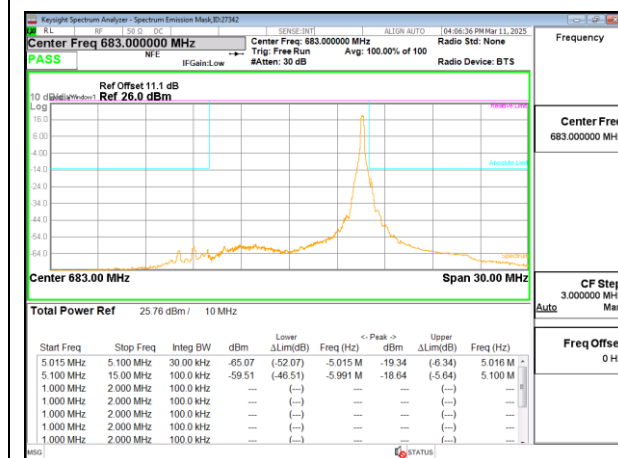




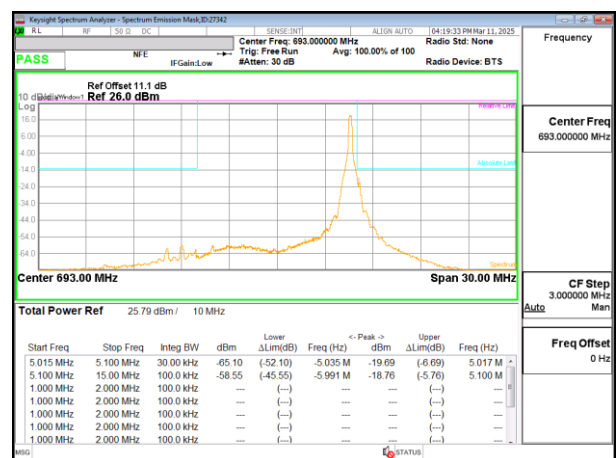
5G NR n71 10MHz BPSK Middle Channel RB1-0



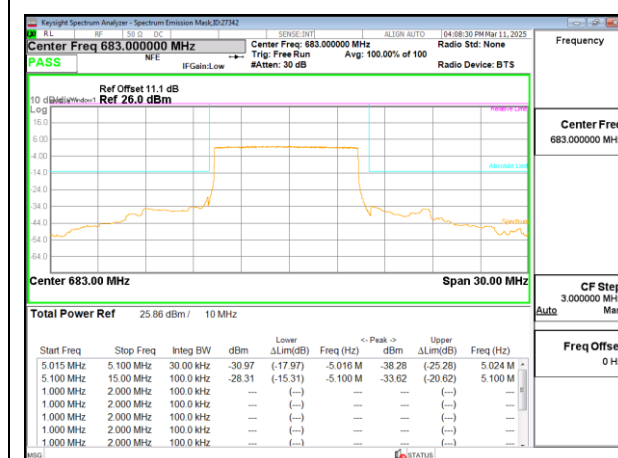
5G NR n71 10MHz BPSK High Channel RB1-0



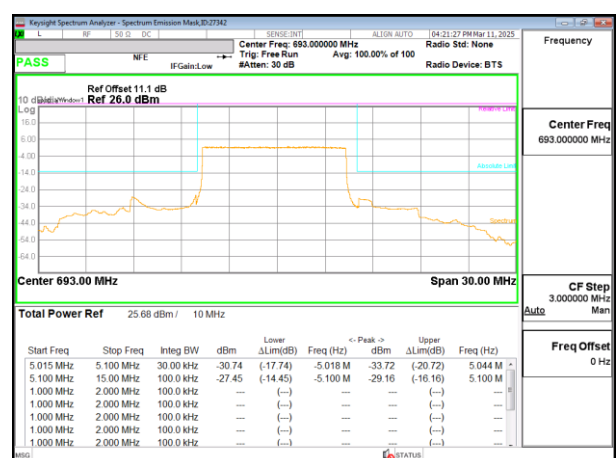
5G NR n71 10MHz BPSK Middle Channel RB1-51



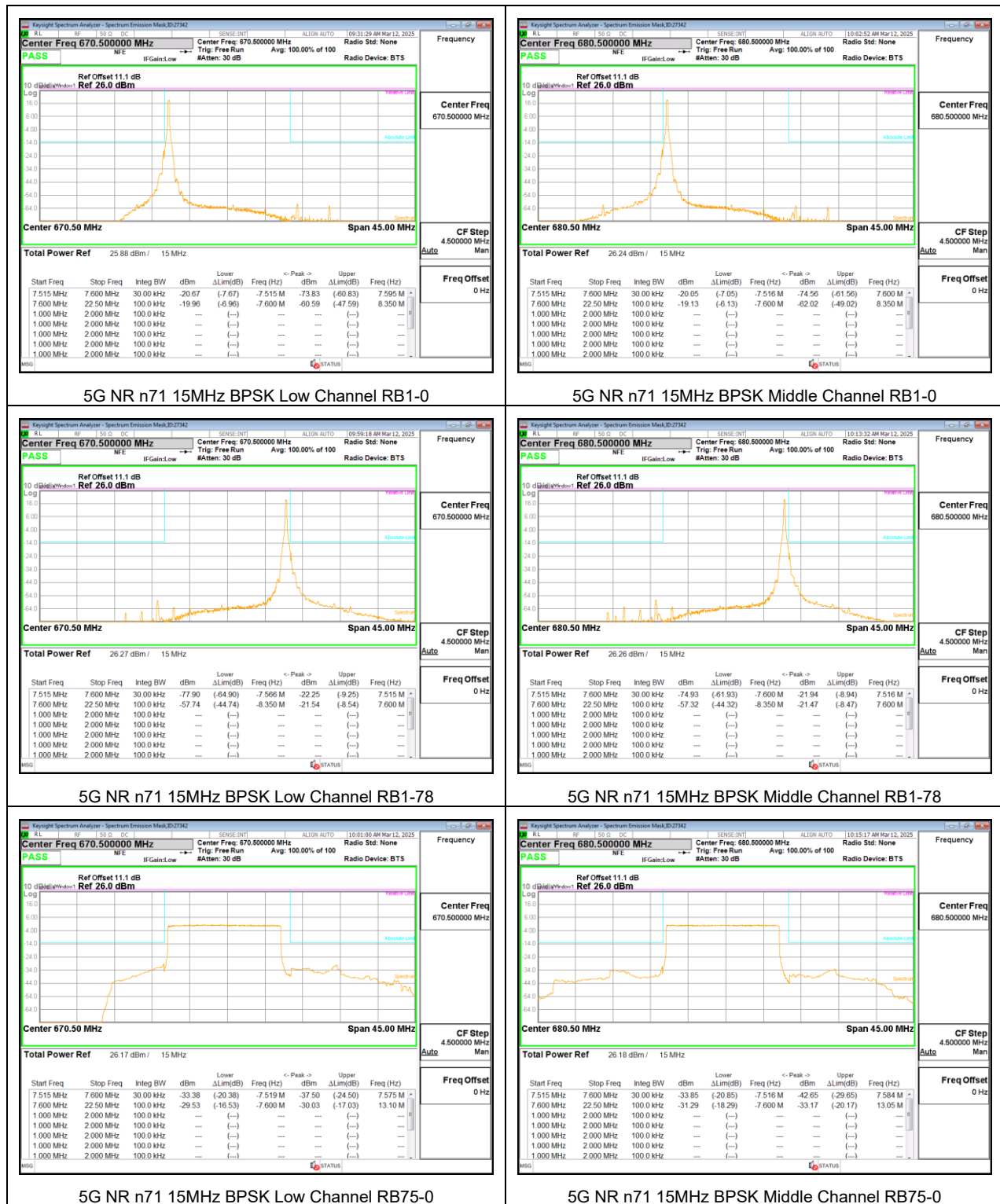
5G NR n71 10MHz BPSK High Channel RB1-51

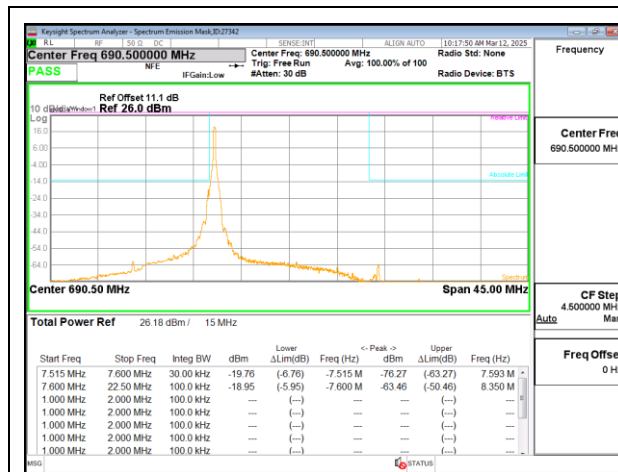


5G NR n71 10MHz BPSK Middle Channel RB50-0

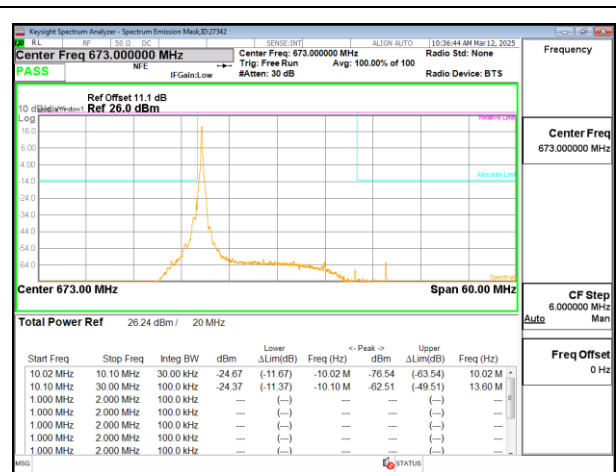


5G NR n71 10MHz BPSK High Channel RB50-0

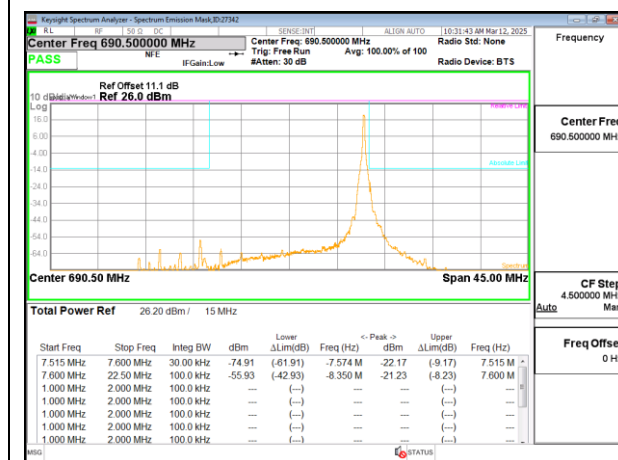




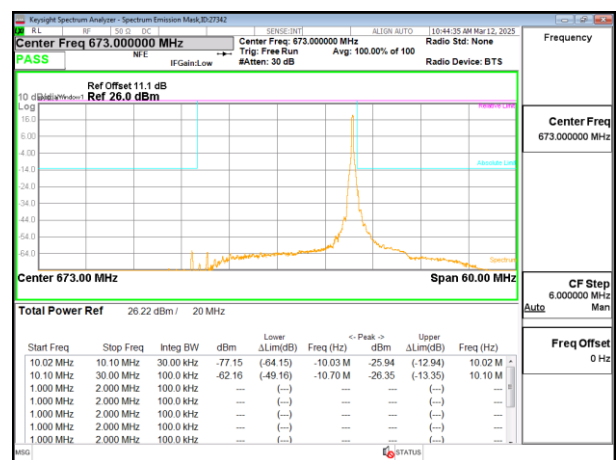
5G NR n71 15MHz BPSK High Channel RB1-0



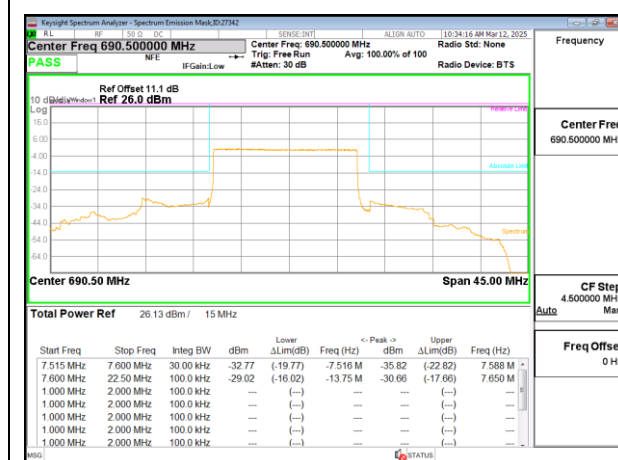
5G NR n71 20MHz BPSK Low Channel RB1-0



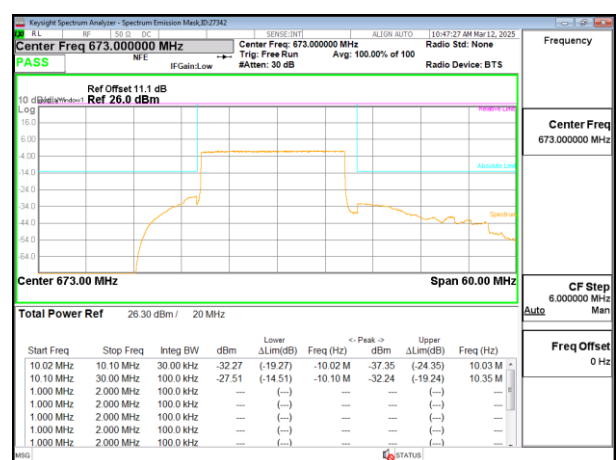
5G NR n71 15MHz BPSK High Channel RB1-78



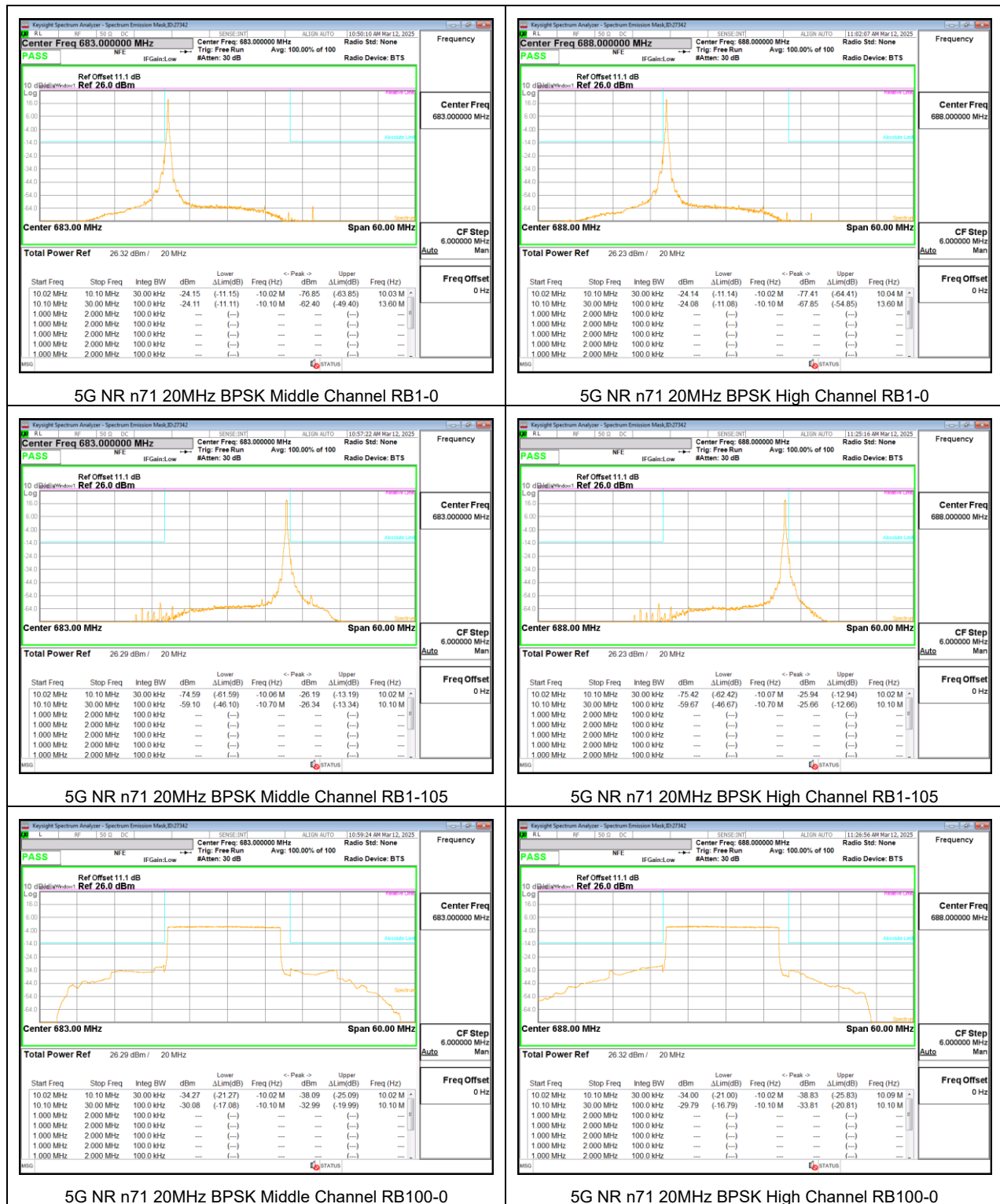
5G NR n71 20MHz BPSK Low Channel RB1-105



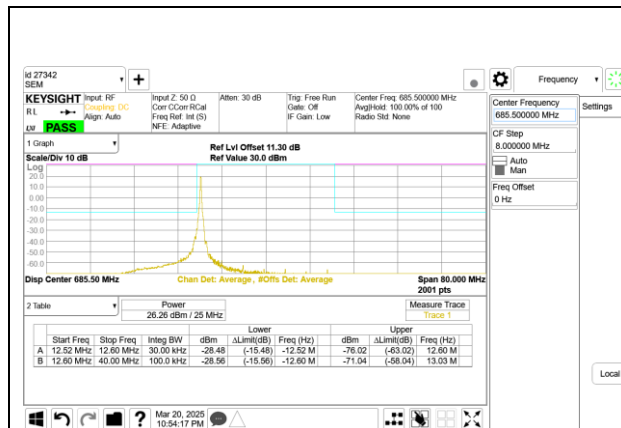
5G NR n71 15MHz BPSK High Channel RB75-0



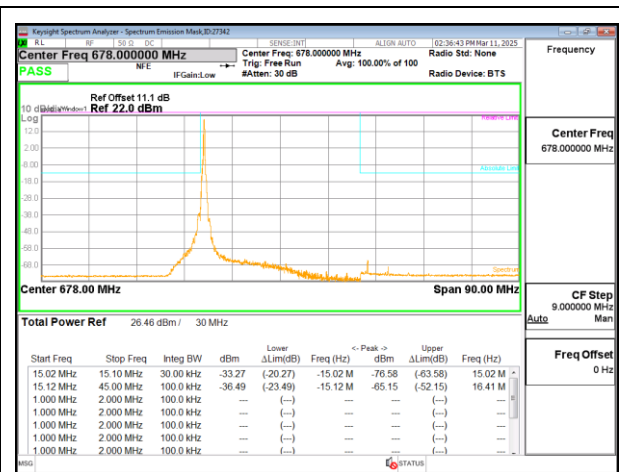
5G NR n71 20MHz BPSK Low Channel RB100-0



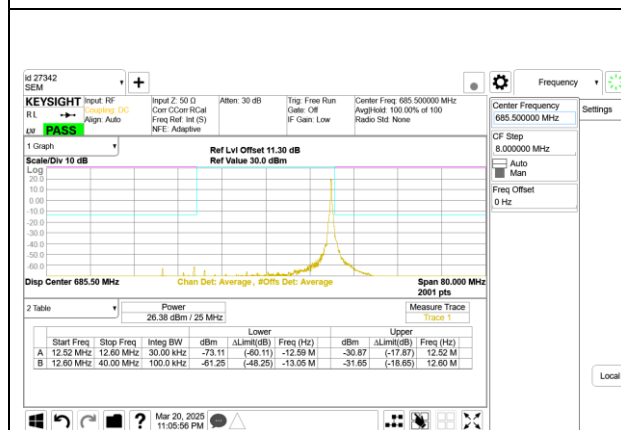




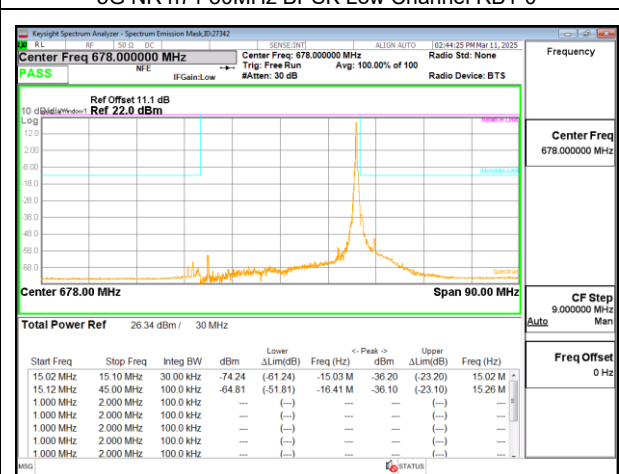
5G NR n71 25MHz BPSK High Channel RB1-0



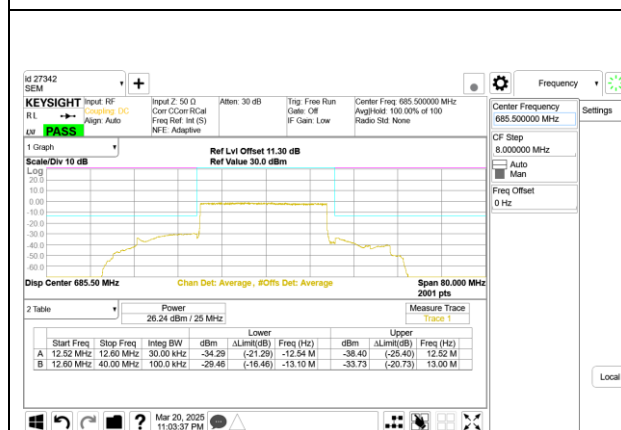
5G NR n71 30MHz BPSK Low Channel RB1-0



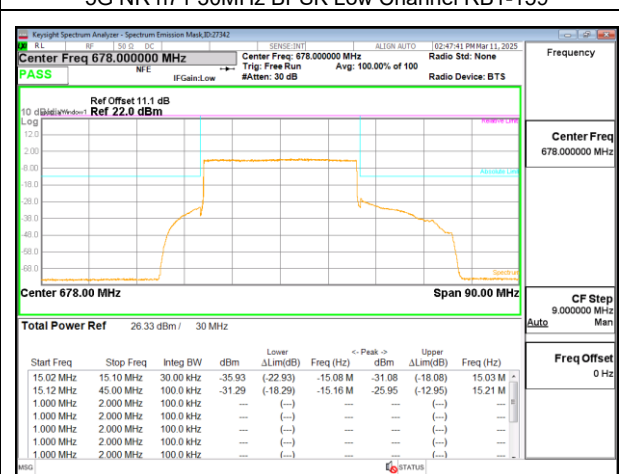
5G NR n71 25MHz BPSK High Channel RB1-132



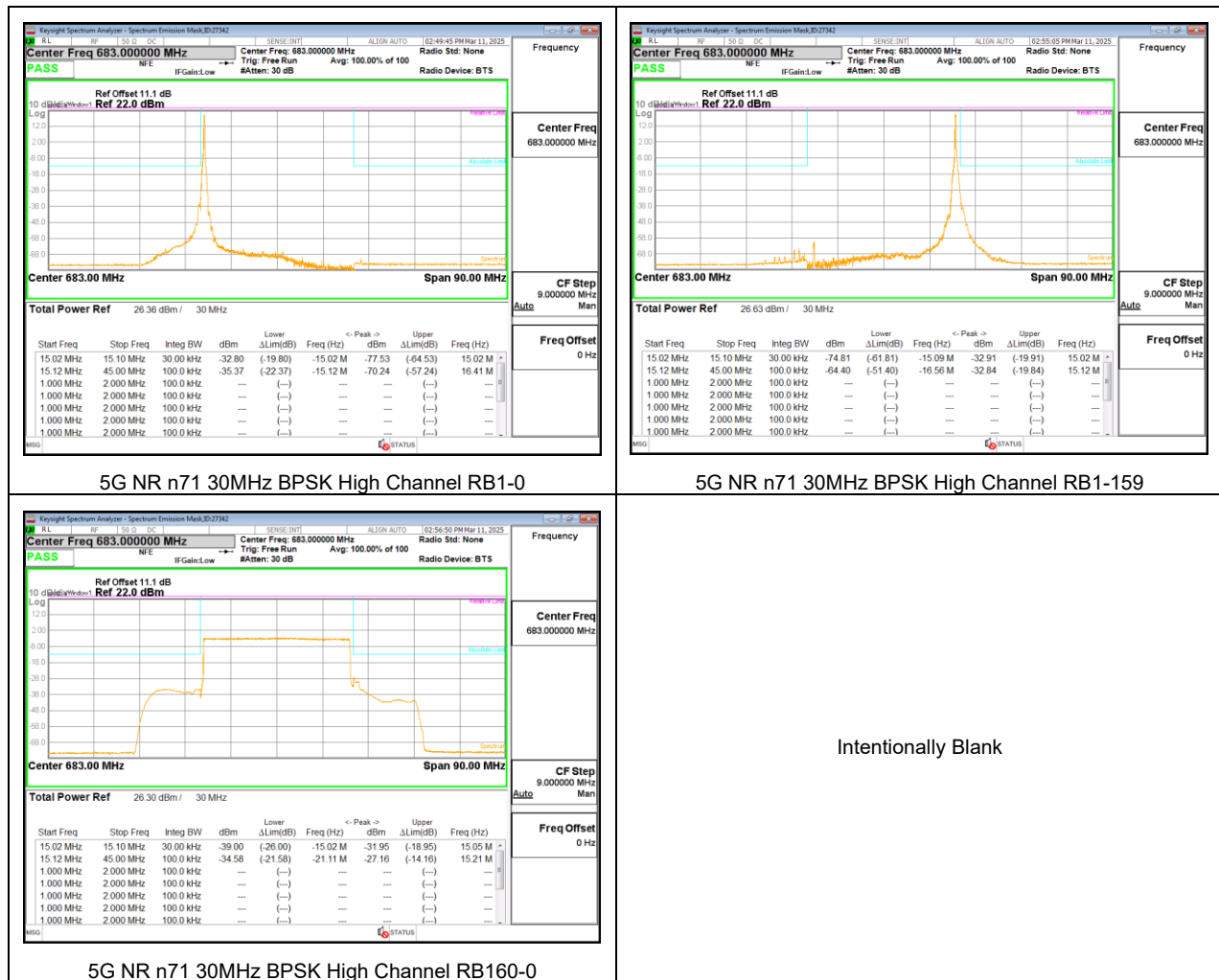
5G NR n71 30MHz BPSK Low Channel RB1-159



5G NR n71 25MHz BPSK High Channel RB128-0



5G NR n71 30MHz BPSK Low Channel RB160-0



9.3. OUT OF BAND EMISSIONS

LIMITS (BAND 12, 17, 71)

FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

LIMITS (BAND 13)

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 10.1.3 confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

(a) the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

- i. $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and
- ii. $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment

(b) the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

Note: Radiated data in section 10.1.3. confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

TEST PROCEDURE

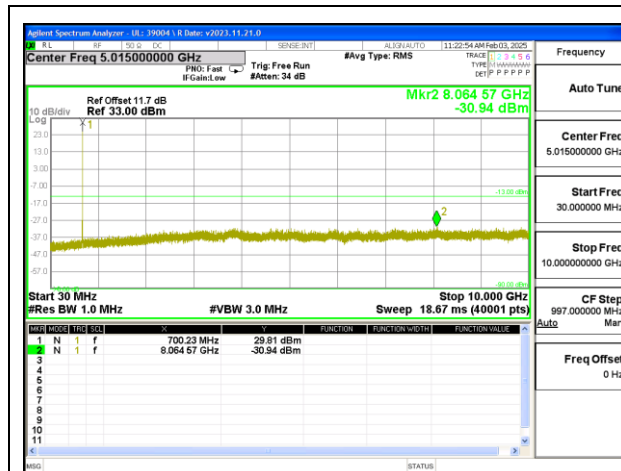
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

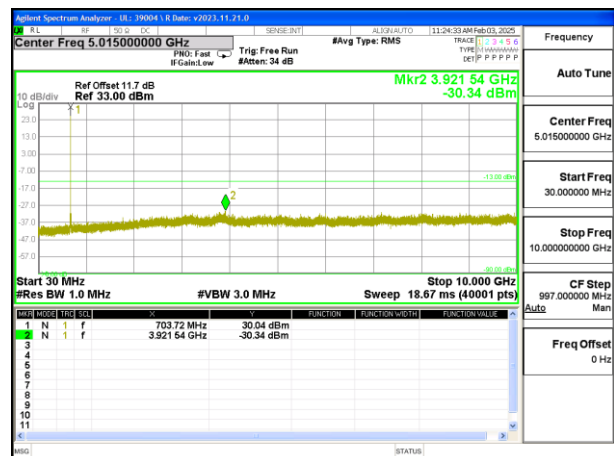
- Set display line at -13 dBm, -25 dBm and -40 dBm according to the band Limit
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

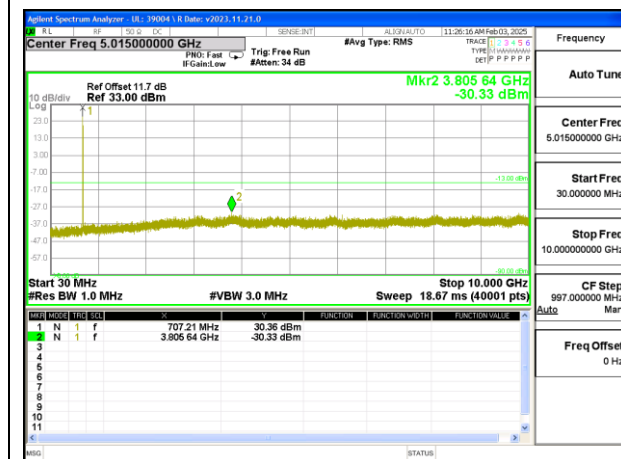
9.3.1. LTE BAND 12



LTE B12 10MHz QPSK Low Channel RB1-0



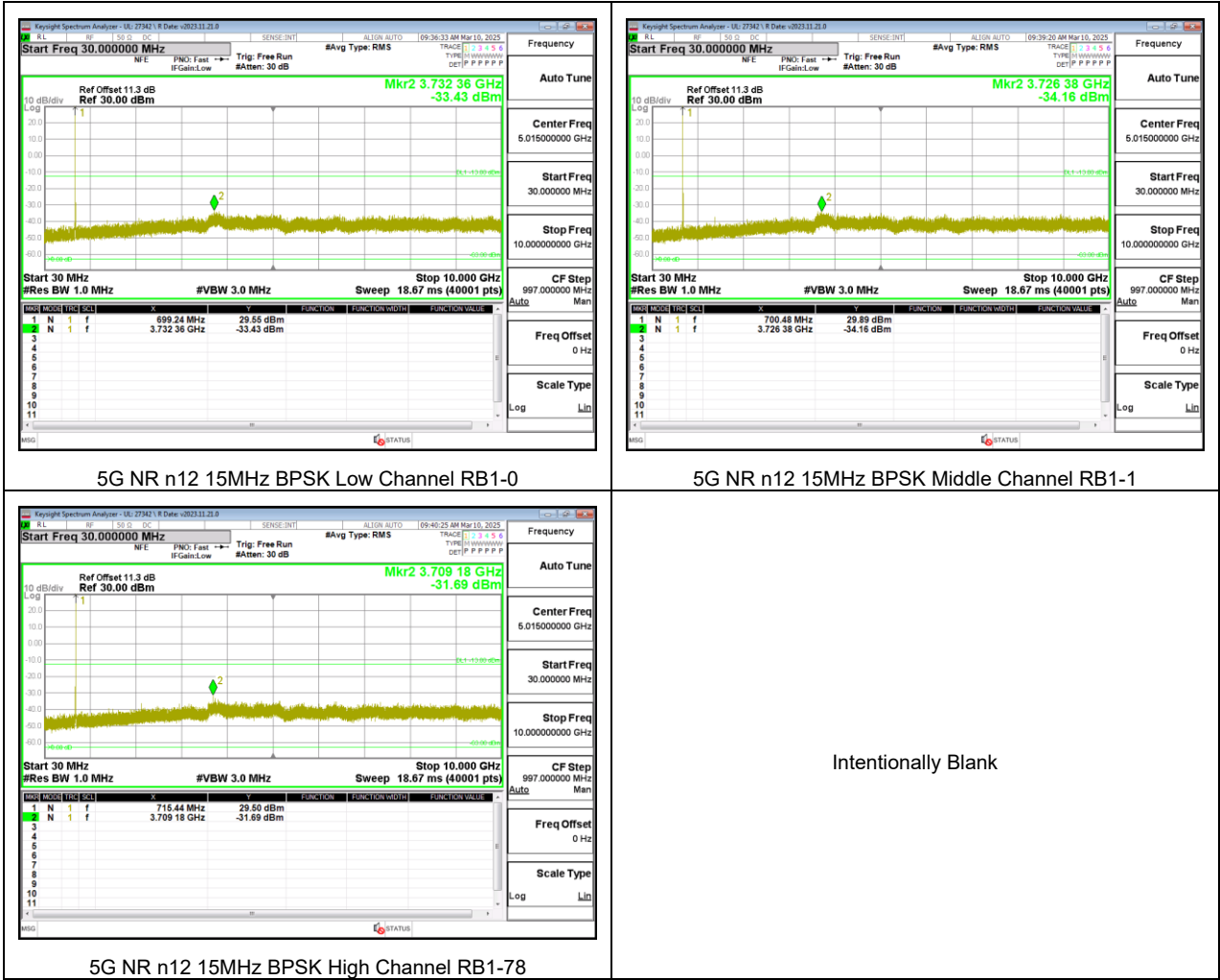
LTE B12 10MHz QPSK Middle Channel RB1-0



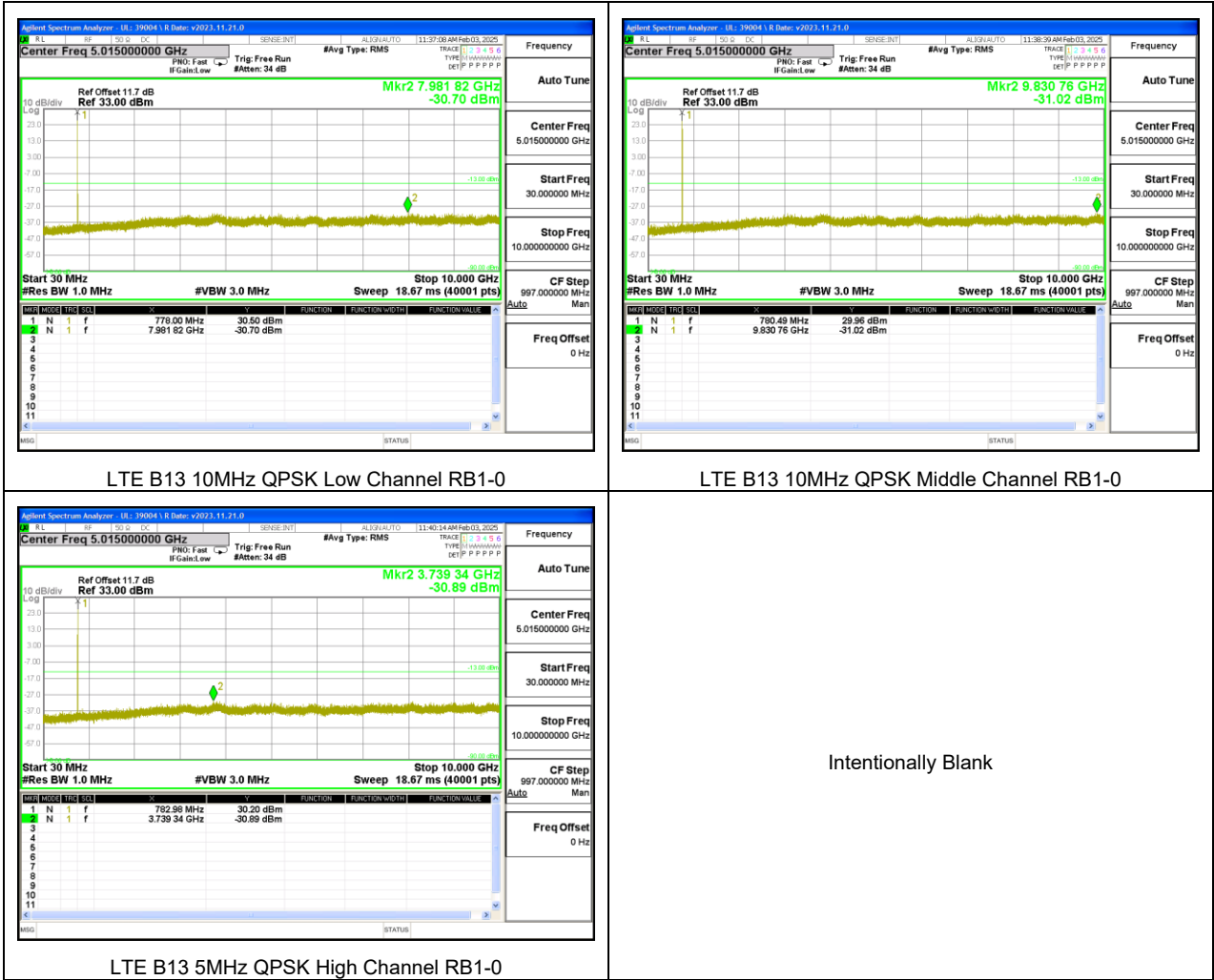
LTE B12 10MHz QPSK High Channel RB1-0

Intentionally Blank

9.3.2. 5G NR n12

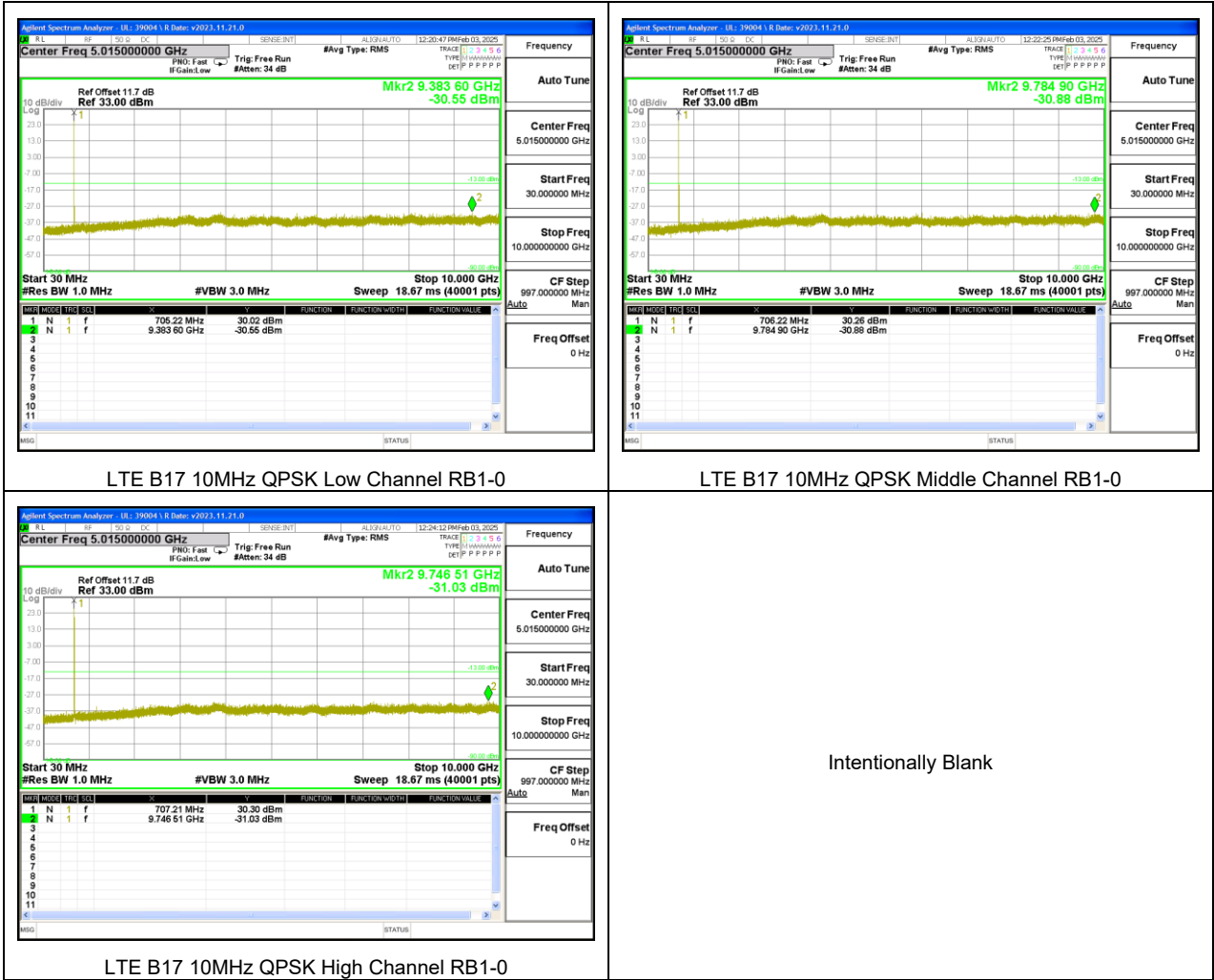


9.3.3. LTE BAND 13



Note: Radiated data in section 10.1.3 confirms compliance with narrowband limits for the GPS1559-1610 MHz band.

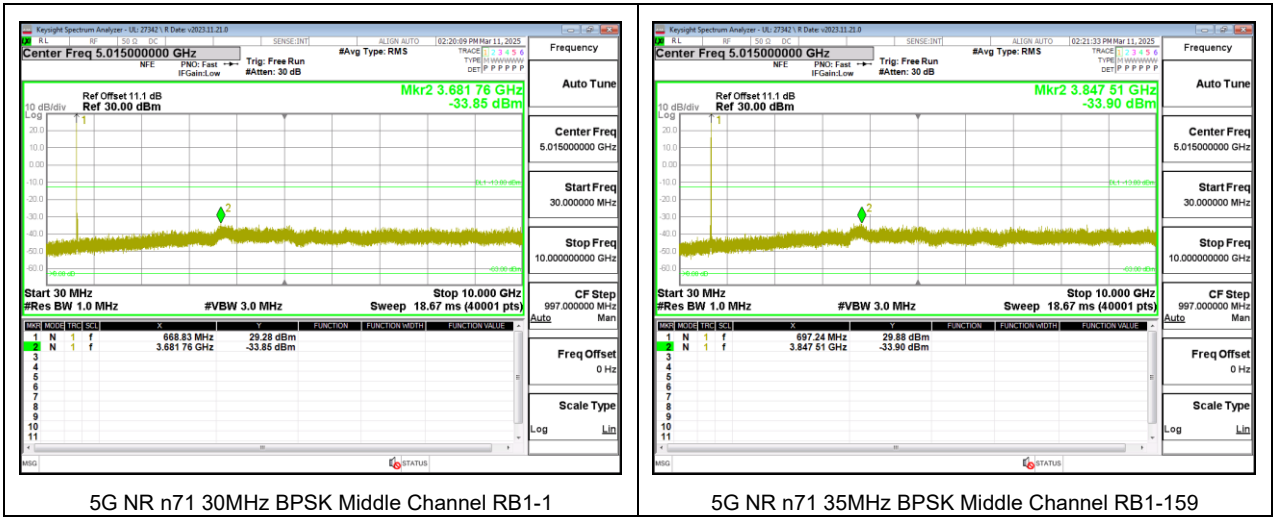
9.3.4. LTE BAND 17



9.3.5. LTE BAND 71



9.3.6. 5G NR n71



9.4. FREQUENCY STABILITY

LIMITS

FCC: §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

ISED: RSS130§4.5

For equipment that is capable of transmitting numerous channels simultaneously for different applications (e.g. LTE and narrowband – Internet of Things (IoT)), the occupied bandwidth shall be the bandwidth representing the sum of the occupied bandwidths of these channels.

The frequency stability shall be sufficient to ensure that the occupied bandwidth remains within each frequency block range when tested at the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to +50°C
- Voltage = (85% - 115%)

Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

9.4.1. LTE BAND 12 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-02-28
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Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	699.5259	715.4747			
Extreme (50°C)		699.5259	715.4747	0.5	0.001	Yes
Extreme (40°C)		699.5259	715.4747	-1.9	-0.003	Yes
Extreme (30°C)		699.5259	715.4747	1.2	0.002	Yes
Extreme (10°C)		699.5259	715.4747	0.5	0.001	Yes
Extreme (0°C)		699.5259	715.4747	0.6	0.001	Yes
Extreme (-10°C)		699.5259	715.4747	-1.1	-0.002	Yes
Extreme (-20°C)		699.5259	715.4747	0.7	0.001	Yes
Extreme (-30°C)		699.5259	715.4747	-0.6	-0.001	Yes
20°C	15%	699.5259	715.4747	-0.3	0.000	Yes
	-15%	699.5259	715.4747	-0.7	-0.001	Yes
	End Point Voltage	699.5259	715.4747	-0.9	-0.001	Yes

9.4.2. 5G NR n12 (BPSK 15MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-03-07
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Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	699.4191	714.8409			
Extreme (50°C)		699.4191	714.8409	2.83	0.004	Yes
Extreme (40°C)		699.4191	714.8409	1.21	0.002	Yes
Extreme (30°C)		699.4191	714.8409	1.1	0.002	Yes
Extreme (10°C)		699.4191	714.8409	0.62	0.001	Yes
Extreme (0°C)		699.4191	714.8409	0.76	0.001	Yes
Extreme (-10°C)		699.4191	714.8409	0.5	0.001	Yes
Extreme (-20°C)		699.4191	714.8409	3.17	0.004	Yes
Extreme (-30°C)		699.4191	714.8409	-0.21	0.000	Yes
20°C	15%	699.4191	714.8409	1.58	0.002	Yes
	-15%	699.4191	714.8409	1.03	0.001	Yes
	End Point Voltage	699.4191	714.8409	0.58	0.001	Yes

9.4.3. LTE BAND 13 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-02-28
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Band	13	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		777	787		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	777.5022	786.4706			
Extreme (50°C)		777.5022	786.4706	0.1	0.000	Yes
Extreme (40°C)		777.5022	786.4706	-1.1	-0.001	Yes
Extreme (30°C)		777.5022	786.4706	-0.6	-0.001	Yes
Extreme (10°C)		777.5022	786.4706	1.7	0.002	Yes
Extreme (0°C)		777.5022	786.4706	0.9	0.001	Yes
Extreme (-10°C)		777.5022	786.4706	3.5	0.004	Yes
Extreme (-20°C)		777.5022	786.4706	0.8	0.001	Yes
Extreme (-30°C)		777.5022	786.4706	3.0	0.004	Yes
20°C	15%	777.5022	786.4706	2.1	0.003	Yes
	-15%	777.5022	786.4706	-0.8	-0.001	Yes
	End Point Voltage	777.5022	786.4706	1.2	0.002	Yes

9.4.4. LTE BAND 17 (QPSK 10MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-02-28
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Band	17	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		704	716		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	704.5208	715.4847			
Extreme (50°C)		704.5208	715.4847	-1.4	-0.002	Yes
Extreme (40°C)		704.5208	715.4847	-0.4	0.000	Yes
Extreme (30°C)		704.5208	715.4847	-0.8	-0.001	Yes
Extreme (10°C)		704.5208	715.4847	0.2	0.000	Yes
Extreme (0°C)		704.5208	715.4847	0.4	0.001	Yes
Extreme (-10°C)		704.5208	715.4847	1.6	0.002	Yes
Extreme (-20°C)		704.5208	715.4847	1.1	0.002	Yes
Extreme (-30°C)		704.5208	715.4847	1.3	0.002	Yes
20°C	15%	704.5208	715.4847	-0.7	-0.001	Yes
	-15%	704.5208	715.4847	-0.3	0.000	Yes
	End Point Voltage	704.5208	715.4847	-2.5	-0.004	Yes

9.4.5. LTE BAND 71 QPSK (20MHz BANDWIDTH)

Test Engineer ID:	39004	Test Date:	2025-01-12
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Band	71	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		663	698			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	664.0775	696.9226			
Extreme (50°C)		664.0775	696.9226	1.6	0.002	Yes
Extreme (40°C)		664.0775	696.9226	0.4	0.001	Yes
Extreme (30°C)		664.0775	696.9226	0.6	0.001	Yes
Extreme (10°C)		664.0775	696.9226	2.0	0.003	Yes
Extreme (0°C)		664.0775	696.9226	2.0	0.003	Yes
Extreme (-10°C)		664.0775	696.9226	1.4	0.002	Yes
Extreme (-20°C)		664.0775	696.9226	0.6	0.001	Yes
Extreme (-30°C)		664.0775	696.9226	2.0	0.003	Yes
20°C	15%	664.0775	696.9226	-0.8	-0.001	Yes
	-15%	664.0540	696.9226	-1.7	-0.003	Yes
	End Point Voltage	664.0540	696.9226	-1.3	-0.002	Yes

9.4.6. 5G NR n71 (BPSK 30MHz BANDWIDTH)

Test Engineer ID:	27700	Test Date:	2025-03-07
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Band	71	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		663	698		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	663.6752	696.0979			
Extreme (50°C)		663.6752	696.0979	2.64	0.004	Yes
Extreme (40°C)		663.6752	696.0979	-2.31	-0.003	Yes
Extreme (30°C)		663.6752	696.0979	-3.23	-0.005	Yes
Extreme (10°C)		663.6752	696.0979	-4.44	-0.007	Yes
Extreme (0°C)		663.6752	696.0979	-3.04	-0.004	Yes
Extreme (-10°C)		663.6752	696.0979	-3.13	-0.005	Yes
Extreme (-20°C)		663.6752	696.0979	-1.6	-0.002	Yes
Extreme (-30°C)		663.6752	696.0979	-3.66	-0.005	Yes
20°C	15%	663.6752	696.0979	-2.87	-0.004	Yes
	-15%	663.6752	696.0979	-2.78	-0.004	Yes
	End Point Voltage	663.6752	696.0979	-3.09	-0.005	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

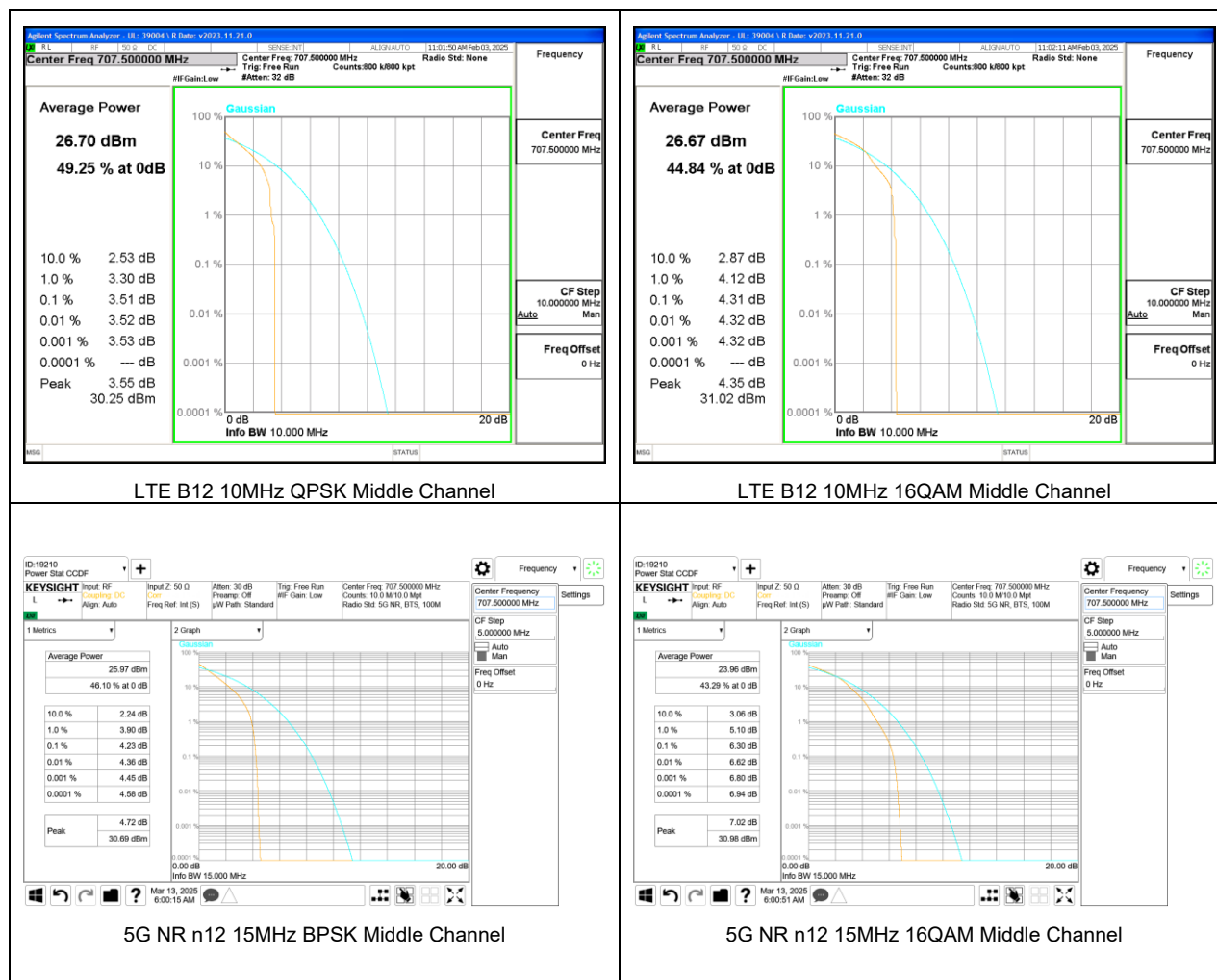
ISED: RSS130§4.6.1

The transmitter output power shall be measured in terms of average power. In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

Antenna 2 was used to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

Example Plots: FULL RB



9.5.1. LTE BAND 12

Test Engineer ID:	39004	Test Date:	2025-02-03
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 12	1.4MHz	707.5	6	0	QPSK	30.13	26.59	3.54
					16QAM	31.48	26.86	4.62
	3MHz		15	0	QPSK	30.31	26.75	3.56
					16QAM	31.40	26.90	4.50
	5MHz		25	0	QPSK	30.33	26.72	3.61
					16QAM	31.49	26.94	4.55
	10MHz		50	0	QPSK	30.25	26.70	3.55
					16QAM	31.02	26.67	4.35
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.2. 5G NR n12

Test Engineer ID:	19210	Test Date:	2025-03-12
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n12	5MHz	707.5	25	0	BPSK	31.01	26.56	4.45
					16QAM	31.39	24.63	6.76
	10MHz		50	0	BPSK	30.86	26.45	4.41
					16QAM	31.41	24.53	6.88
	15MHz		75	0	BPSK	30.69	25.97	4.72
					16QAM	30.98	23.96	7.02
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.3. LTE BAND 13

Test Engineer ID:	39004	Test Date:	2025-02-03
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 13	5MHz	782.0	25	0	QPSK	30.80	26.86	3.94
					16QAM	31.53	26.96	4.57
	10MHz		50	0	QPSK	30.29	26.77	3.52
					16QAM	31.35	26.92	4.43
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.4. LTE BAND 17

Test Engineer ID:	39004	Test Date:	2025-02-03
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 17	5MHz	710.0	25	0	QPSK	30.52	26.74	3.78
					16QAM	31.41	26.81	4.60
	10MHz		50	0	QPSK	30.65	26.76	3.89
					16QAM	31.30	26.82	4.48
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.5. LTE BAND 71

Test Engineer ID:	39004	Test Date:	2025-02-04
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 71	5MHz	680.5	25	0	QPSK	30.47	26.72	3.75
					16QAM	31.15	26.72	4.43
	10MHz	683.0	50	0	QPSK	30.10	26.62	3.48
					16QAM	31.06	26.67	4.39
	15MHz	680.5	75	0	QPSK	29.93	26.5	3.43
					16QAM	31.10	26.58	4.52
	20MHz	683.0	100	0	QPSK	30.19	26.62	3.57
					16QAM	30.80	26.6	4.20
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.6. 5G NR n71

Test Engineer ID:	19210	Test Date:	2025-03-13
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR Band n71	5MHz	680.5	25	0	BPSK	30.30	25.89	4.41
					16QAM	31.14	24.43	6.71
	10MHz	683.0	50	0	BPSK	30.21	26.01	4.20
					16QAM	31.18	24.39	6.79
	15MHz	680.5	75	0	BPSK	30.37	26.03	4.34
					16QAM	31.21	24.48	6.73
	20MHz	683.0	100	0	BPSK	30.16	26.09	4.07
					16QAM	31.21	24.43	6.78
	25MHz	680.5	128	0	BPSK	30.62	26.16	4.46
					16QAM	31.43	24.62	6.81
	30MHz	683.0	160	0	BPSK	29.99	25.81	4.18
					16QAM	31.22	24.24	6.98
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

10. RADIATED TEST RESULTS

LIMITS (BAND 12, 17, 71)

FCC: §27.53 (g)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

LIMITS (BAND 13)

FCC: §27.53 (c), (f)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts. The band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: Radiated data in section 10.1.3. confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

ISED: RSS130§4.7

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

4.7.1 General unwanted emissions limits

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

- (c) the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

- iii. $76 + 10 \log_{10} p$ (watts), dB, for base and fixed equipment and

- iv. $65 + 10 \log_{10} p$ (watts), dB, for mobile and portable equipment

- (d) the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

Note: Radiated data in section 10.1.3. confirms a compliance for the emissions in GPS 1559-1610 MHz band were wideband emissions therefore the -40 dBm/MHz limit was used.

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

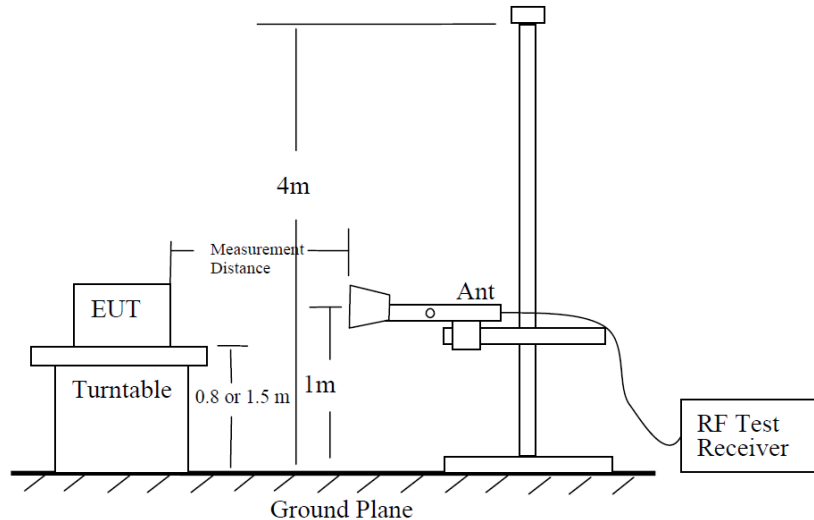


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.

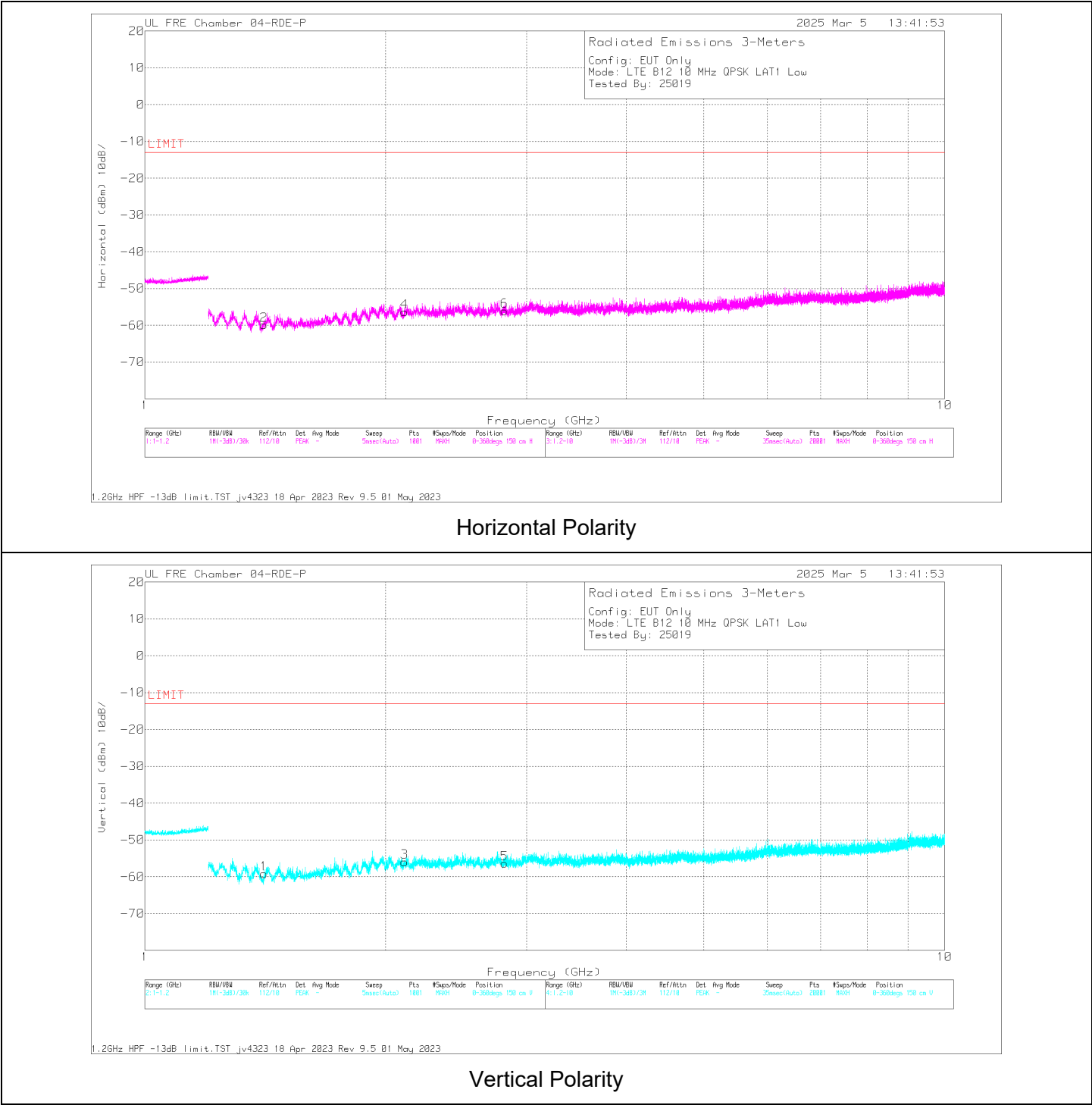
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
1.408120	55.90	Pk	28.2	-95.2	-48.8	-59.9	-13	-46.90	H
1.408120	56.59	Pk	28.2	-95.2	-48.8	-59.21	-13	-46.21	V
2.112120	56.89	Pk	31.7	-95.2	-49.79	-56.40	-13	-43.40	H
2.112120	57.28	Pk	31.7	-95.2	-49.79	-56.01	-13	-43.01	V
2.816560	55.75	Pk	32.3	-95.2	-48.99	-56.14	-13	-43.14	H
2.816560	55.47	Pk	32.3	-95.2	-48.99	-56.42	-13	-43.42	V

10.1. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

10.1.1. LTE BAND 12

LTE BAND 12 (QPSK 10.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-11
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B12 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 704MHz									
1.408120	55.9	Pk	28.2	-95.2	-48.8	-59.90	-13	-46.90	H
1.408120	56.59	Pk	28.2	-95.2	-48.8	-59.21	-13	-46.21	V
2.112120	56.89	Pk	31.7	-95.2	-49.79	-56.40	-13	-43.40	H
2.112120	57.28	Pk	31.7	-95.2	-49.79	-56.01	-13	-43.01	V
2.816560	55.75	Pk	32.3	-95.2	-48.99	-56.14	-13	-43.14	H
2.816560	55.47	Pk	32.3	-95.2	-48.99	-56.42	-13	-43.42	V
Mid Channel, 707.5MHz									
1.415160	57.20	Pk	28.1	-95.2	-48.81	-58.71	-13	-45.71	H
1.415160	55.85	Pk	28.1	-95.2	-48.81	-60.06	-13	-47.06	V
2.122680	57.03	Pk	31.6	-95.2	-49.87	-56.44	-13	-43.44	H
2.122680	56.73	Pk	31.6	-95.2	-49.87	-56.74	-13	-43.74	V
2.830200	56.43	Pk	32.3	-95.2	-49.05	-55.52	-13	-42.52	H
2.830200	55.97	Pk	32.3	-95.2	-49.05	-55.98	-13	-42.98	V
High Channel, 711MHz									
1.422640	57.42	Pk	28.1	-95.2	-48.77	-58.45	-13	-45.45	H
1.422640	58.53	Pk	28.1	-95.2	-48.77	-57.34	-13	-44.34	V
2.133680	57.42	Pk	31.6	-95.2	-49.94	-56.12	-13	-43.12	H
2.133680	59.1	Pk	31.6	-95.2	-49.94	-54.44	-13	-41.44	V
2.844280	55.63	Pk	32.3	-95.2	-49.08	-56.35	-13	-43.35	H
2.844280	55.02	Pk	32.3	-95.2	-49.08	-56.96	-13	-43.96	V

LTE BAND 12 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Date:	2025-03-07
Test Engineer:	25019/32703
Configuration:	EUT Only
Mode:	LTE B12 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 704MHz									
1.398440	54.78	Pk	28.2	-95.2	-48.81	-61.03	-13	-48.03	H
1.398440	55.11	Pk	28.2	-95.2	-48.81	-60.70	-13	-47.70	V
2.097600	55.83	Pk	31.7	-95.2	-49.70	-57.37	-13	-44.37	H
2.097600	55.59	Pk	31.7	-95.2	-49.70	-57.61	-13	-44.61	V
2.796320	55.73	Pk	32.2	-95.2	-49.11	-56.38	-13	-43.38	H
2.796320	55.20	Pk	32.2	-95.2	-49.11	-56.91	-13	-43.91	V
Mid Channel, 707.5MHz									
1.405040	55.63	Pk	28.2	-95.2	-48.79	-60.16	-13	-47.16	H
1.405040	55.06	Pk	28.2	-95.2	-48.79	-60.73	-13	-47.73	V
2.107720	55.07	Pk	31.7	-95.2	-49.77	-58.20	-13	-45.20	H
2.107720	55.74	Pk	31.7	-95.2	-49.77	-57.53	-13	-44.53	V
2.810400	56.62	Pk	32.3	-95.2	-49.01	-55.29	-13	-42.29	H
2.810400	56.88	Pk	32.3	-95.2	-49.01	-55.03	-13	-42.03	V
High Channel, 711MHz									
1.412520	56.62	Pk	28.1	-95.2	-48.82	-59.30	-13	-46.30	H
1.412520	56.52	Pk	28.1	-95.2	-48.82	-59.40	-13	-46.40	V
2.118280	55.78	Pk	31.6	-95.2	-49.83	-57.65	-13	-44.65	H
2.118280	55.98	Pk	31.6	-95.2	-49.83	-57.45	-13	-44.45	V
2.824040	55.73	Pk	32.3	-95.2	-49.01	-56.18	-13	-43.18	H
2.824040	56.15	Pk	32.3	-95.2	-49.01	-55.76	-13	-42.76	V

10.1.2. 5G NR n12

5G NR n12 (BPSK 15.0MHZ BANDWIDTH, ANT 3)

Date:	2025-05-019
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n12 15MHz BPSK
Chamber #:	05-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 706.5MHz									
1.399150	63.47	Pk	28.7	-95.2	-49.8	-52.83	-13	-39.83	H
1.398700	57.75	Pk	28.7	-95.2	-49.8	-58.55	-13	-45.55	V
2.098900	66.48	Pk	31.5	-95.2	-50.1	-47.32	-13	-34.32	H
2.098900	62.03	Pk	31.5	-95.2	-50.1	-51.77	-13	-38.77	V
2.826550	58.33	Pk	32.3	-95.2	-49.36	-53.93	-13	-40.93	H
2.828800	58.75	Pk	32.3	-95.2	-49.3	-53.45	-13	-40.45	V
Mid Channel, 707.5MHz									
1.401400	63.45	Pk	28.7	-95.2	-49.7	-52.75	-13	-39.75	H
1.401400	59.25	Pk	28.7	-95.2	-49.7	-56.95	-13	-43.95	V
2.102050	67.06	Pk	31.4	-95.2	-50.1	-46.84	-13	-33.84	H
2.101600	63.63	Pk	31.4	-95.2	-50.1	-50.27	-13	-37.27	V
2.827900	58.93	Pk	32.3	-95.2	-49.31	-53.28	-13	-40.28	H
2.830600	58.14	Pk	32.3	-95.2	-49.26	-54.02	-13	-41.02	V
High Channel, 708.5MHz									
1.403200	64.60	Pk	28.6	-95.2	-49.8	-51.80	-13	-38.80	H
1.403200	58.98	Pk	28.6	-95.2	-49.8	-57.42	-13	-44.42	V
2.104750	63.65	Pk	31.4	-95.2	-50.18	-50.33	-13	-37.33	H
2.104300	59.77	Pk	31.4	-95.2	-50.13	-54.16	-13	-41.16	V
2.834200	58.05	Pk	32.3	-95.2	-49.28	-54.13	-13	-41.13	H
2.835100	57.95	Pk	32.3	-95.2	-49.2	-54.15	-13	-41.15	V

5G NR n12 (BPSK 15.0MHZ BANDWIDTH, ANT 2)

Date:	2025-03-20
Test Engineer:	25019
Configuration:	EUT Only
Mode:	5G NR n12 15MHz BPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 706.5MHz									
1.413400	56.86	Pk	28.1	-95.2	-48.82	-59.06	-13	-46.06	H
1.413400	57.41	Pk	28.1	-95.2	-48.82	-58.51	-13	-45.51	V
2.119600	58.27	Pk	31.6	-95.2	-49.84	-55.17	-13	-42.17	H
2.119600	57.39	Pk	31.6	-95.2	-49.84	-56.05	-13	-43.05	V
2.826240	56.30	Pk	32.3	-95.2	-49.03	-55.63	-13	-42.63	H
2.826240	55.49	Pk	32.3	-95.2	-49.03	-56.44	-13	-43.44	V
Mid Channel, 707.5MHz									
1.415600	58.37	Pk	28.1	-95.2	-48.81	-57.54	-13	-44.54	H
1.415600	57.33	Pk	28.1	-95.2	-48.81	-58.58	-13	-45.58	V
2.101560	60.86	Pk	31.7	-95.2	-49.73	-52.37	-13	-39.37	H
2.101560	60.62	Pk	31.7	-95.2	-49.73	-52.61	-13	-39.61	V
2.831080	55.62	Pk	32.3	-95.2	-49.04	-56.32	-13	-43.32	H
2.831080	56.26	Pk	32.3	-95.2	-49.04	-55.68	-13	-42.68	V
High Channel, 708.5MHz									
1.417800	58.76	Pk	28.1	-95.2	-48.8	-57.14	-13	-44.14	H
1.417800	56.96	Pk	28.1	-95.2	-48.8	-58.94	-13	-45.94	V
2.125320	56.01	Pk	31.6	-95.2	-49.87	-57.46	-13	-44.46	H
2.125320	56.49	Pk	31.6	-95.2	-49.87	-56.98	-13	-43.98	V
2.834160	55.13	Pk	32.3	-95.2	-49.04	-56.81	-13	-43.81	H
2.834160	55.79	Pk	32.3	-95.2	-49.04	-56.15	-13	-43.15	V

10.1.3. LTE BAND 13

LTE BAND 13 (QPSK 10.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-05
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B13 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.564320	56.42	Pk	28.3	-95.2	-48.93	-59.41	-40	-19.41	H
1.564320	56.35	Pk	28.3	-95.2	-48.93	-59.48	-40	-19.48	V
2.346200	57.11	Pk	31.9	-95.2	-49.94	-56.13	-13	-43.13	H
2.346200	57.05	Pk	31.9	-95.2	-49.94	-56.19	-13	-43.19	V
3.128520	53.91	Pk	33	-95.2	-47.55	-55.84	-13	-42.84	H
3.128520	54.39	Pk	33	-95.2	-47.55	-55.36	-13	-42.36	V

* Emissions in the GPS band were wideband emissions therefore the -40dBm/MHz limit was used.

LTE BAND 13 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Date:	2025-03-11
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B13 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.554200	55.96	Pk	28.3	-95.2	-48.93	-59.87	-13	-19.87	H
1.554200	56.32	Pk	28.3	-95.2	-48.93	-59.51	-13	-19.51	V
2.331240	56.14	Pk	31.9	-95.2	-49.92	-57.08	-13	-44.08	H
2.331240	56.85	Pk	31.9	-95.2	-49.92	-56.37	-13	-43.37	V
3.108280	53.09	Pk	33	-95.2	-47.79	-56.90	-13	-43.90	H
3.108280	54.70	Pk	33	-95.2	-47.79	-55.29	-13	-42.29	V

* Emissions in the GPS band were wideband emissions therefore the -40dBm/MHz limit was used.

10.1.4. LTE BAND 17

LTE BAND 17 (QPSK 10.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-05
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B17 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 709MHz									
1.418680	56.62	Pk	28.1	-95.2	-48.79	-59.27	-13	-46.27	H
1.418680	57.63	Pk	28.1	-95.2	-48.79	-58.26	-13	-45.26	V
2.127520	57.26	Pk	31.6	-95.2	-49.89	-56.23	-13	-43.23	H
2.127520	57.23	Pk	31.6	-95.2	-49.89	-56.26	-13	-43.26	V
2.836360	55.64	Pk	32.3	-95.2	-49.03	-56.29	-13	-43.29	H
2.836360	55.97	Pk	32.3	-95.2	-49.03	-55.96	-13	-42.96	V
Mid Channel, 710MHz									
1.420440	55.99	Pk	28.1	-95.2	-48.79	-59.90	-13	-46.90	H
1.420440	57.20	Pk	28.1	-95.2	-48.79	-58.69	-13	-45.69	V
2.130160	57.71	Pk	31.6	-95.2	-49.90	-55.79	-13	-42.79	H
2.130160	56.62	Pk	31.6	-95.2	-49.90	-56.88	-13	-43.88	V
2.840320	54.81	Pk	32.3	-95.2	-49.06	-57.15	-13	-44.15	H
2.840320	54.99	Pk	32.3	-95.2	-49.06	-56.97	-13	-43.97	V
High Channel, 711MHz									
1.422200	56.46	Pk	28.1	-95.2	-48.78	-59.42	-13	-46.42	H
1.422200	57.13	Pk	28.1	-95.2	-48.78	-58.75	-13	-45.75	V
2.133680	57.98	Pk	31.6	-95.2	-49.94	-55.56	-13	-42.56	H
2.133680	56.09	Pk	31.6	-95.2	-49.94	-57.45	-13	-44.45	V
2.844280	57.16	Pk	32.3	-95.2	-49.08	-54.82	-13	-41.82	H
2.844280	54.85	Pk	32.3	-95.2	-49.08	-57.13	-13	-44.13	V

LTE BAND 17 (QPSK 10.0MHZ BANDWIDTH, ANT 2)

Date:	2025-03-11
Test Engineer:	25019
Configuration:	EUT Only
Mode:	LTE B17 10MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 709MHz									
1.408560	55.75	Pk	28.2	-95.2	-48.80	-60.05	-13	-47.05	H
1.408560	57.51	Pk	28.2	-95.2	-48.80	-58.29	-13	-45.29	V
2.112560	57.41	Pk	31.7	-95.2	-49.80	-55.89	-13	-42.89	H
2.112560	56.17	Pk	31.7	-95.2	-49.80	-57.13	-13	-44.13	V
2.816340	55.69	Pk	32.3	-95.2	-48.98	-56.19	-13	-43.19	H
2.816560	56.76	Pk	32.3	-95.2	-48.99	-55.13	-13	-42.13	V
Mid Channel, 710MHz									
1.410320	55.09	Pk	28.2	-95.2	-48.81	-60.72	-13	-47.72	H
1.410320	55.11	Pk	28.2	-95.2	-48.81	-60.70	-13	-47.70	V
2.115640	56.72	Pk	31.6	-95.2	-49.82	-56.70	-13	-43.70	H
2.115640	55.99	Pk	31.6	-95.2	-49.82	-57.43	-13	-44.43	V
2.820080	56.85	Pk	32.3	-95.2	-48.99	-55.04	-13	-42.04	H
2.820080	57.26	Pk	32.3	-95.2	-48.99	-54.63	-13	-41.63	V
High Channel, 711MHz									
1.412520	57.15	Pk	28.1	-95.2	-48.82	-58.77	-13	-45.77	H
1.412520	57.46	Pk	28.1	-95.2	-48.82	-58.46	-13	-45.46	V
2.118720	58.18	Pk	31.6	-95.2	-49.84	-55.26	-13	-42.26	H
2.118720	56.17	Pk	31.6	-95.2	-49.84	-57.27	-13	-44.27	V
2.824920	54.77	Pk	32.3	-95.2	-49.01	-57.14	-13	-44.14	H
2.824920	56.70	Pk	32.3	-95.2	-49.01	-55.21	-13	-42.21	V

10.1.5. LTE BAND 71

LTE BAND 71 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Date:	2025-03-08
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B71 20MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 673MHz									
1.335960	57.07	Pk	28.5	-95.2	-48.78	-58.41	-13	-45.41	H
1.335960	58.15	Pk	28.5	-95.2	-48.78	-57.33	-13	-44.33	V
2.004320	55.10	Pk	31.5	-95.2	-49.25	-57.85	-13	-44.85	H
2.004320	55.81	Pk	31.5	-95.2	-49.25	-57.14	-13	-44.14	V
2.672240	56.89	Pk	32.2	-95.2	-49.79	-55.90	-13	-42.90	H
2.672240	56.16	Pk	32.2	-95.2	-49.79	-56.63	-13	-43.63	V
Mid Channel, 680.5MHz									
1.351800	55.98	Pk	28.4	-95.2	-48.87	-59.69	-13	-46.69	H
1.351800	54.53	Pk	28.4	-95.2	-48.87	-61.14	-13	-48.14	V
2.026760	57.11	Pk	31.5	-95.2	-49.25	-55.84	-13	-42.84	H
2.026760	56.48	Pk	31.5	-95.2	-49.25	-56.47	-13	-43.47	V
2.702600	57.02	Pk	32.2	-95.2	-49.82	-55.80	-13	-42.80	H
2.702600	56.36	Pk	32.2	-95.2	-49.82	-56.46	-13	-43.46	V
High Channel, 688MHz									
1.366760	56.04	Pk	28.4	-95.2	-48.80	-59.56	-13	-46.56	H
1.366760	56.33	Pk	28.4	-95.2	-48.80	-59.27	-13	-46.27	V
2.049640	56.20	Pk	31.6	-95.2	-49.43	-56.83	-13	-43.83	H
2.049640	56.57	Pk	31.6	-95.2	-49.43	-56.46	-13	-43.46	V
2.732080	55.66	Pk	32.2	-95.2	-49.64	-56.98	-13	-43.98	H
2.732080	56.18	Pk	32.2	-95.2	-49.64	-56.46	-13	-43.46	V

LTE BAND 71 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Date:	2025-03-11
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE B71 20MHz QPSK
Chamber #:	04-RDE-P

Frequency (MHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 673MHz									
1.335960	57.59	Pk	28.5	-95.2	-48.78	-57.89	-13	-44.89	H
1.335960	58.27	Pk	28.5	-95.2	-48.78	-57.21	-13	-44.21	V
2.004320	56.65	Pk	31.5	-95.2	-49.25	-56.30	-13	-43.30	H
2.004320	55.38	Pk	31.5	-95.2	-49.25	-57.57	-13	-44.57	V
2.672680	56.50	Pk	32.2	-95.2	-49.80	-56.30	-13	-43.30	H
2.672680	56.16	Pk	32.2	-95.2	-49.80	-56.64	-13	-43.64	V
Mid Channel, 680.5MHz									
1.341680	56.39	Pk	28.5	-95.2	-48.83	-59.14	-13	-46.14	H
1.341680	57.92	Pk	28.5	-95.2	-48.83	-57.61	-13	-44.61	V
2.011800	56.18	Pk	31.5	-95.2	-49.21	-56.73	-13	-43.73	H
2.011800	55.37	Pk	31.5	-95.2	-49.21	-57.54	-13	-44.54	V
2.682800	57.60	Pk	32.2	-95.2	-49.86	-55.26	-13	-42.26	H
2.682800	55.92	Pk	32.2	-95.2	-49.86	-56.94	-13	-43.94	V
High Channel, 688MHz									
1.356640	54.53	Pk	28.4	-95.2	-48.84	-61.11	-13	-48.11	H
1.356640	54.54	Pk	28.4	-95.2	-48.84	-61.10	-13	-48.10	V
2.034240	56.25	Pk	31.5	-95.2	-49.3	-56.75	-13	-43.75	H
2.034240	56.82	Pk	31.5	-95.2	-49.3	-56.18	-13	-43.18	V
2.712720	55.76	Pk	32.2	-95.2	-49.8	-57.04	-13	-44.04	H
2.712720	56.10	Pk	32.2	-95.2	-49.8	-56.70	-13	-43.70	V

10.1.6. 5G NR n71

5G NR n71 (BPSK 30.0MHZ BANDWIDTH, ANT 3)

Date:	2025-06-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n71 30MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 678MHz									
1.357300	57.38	Pk	29	-95.2	-49.8	-58.62	-13	-45.62	H
1.355950	56.50	Pk	29	-95.2	-49.81	-59.51	-13	-46.51	V
2.034100	57.21	Pk	31.8	-95.2	-50.0	-56.19	-13	-43.19	H
2.033200	57.86	Pk	31.8	-95.2	-50.0	-55.54	-13	-42.54	V
2.712250	56.95	Pk	32.3	-95.2	-48.93	-54.88	-13	-41.88	H
2.711800	56.92	Pk	32.3	-95.2	-48.92	-54.90	-13	-41.90	V
High Channel, 683MHz									
1.364050	58.43	Pk	28.9	-95.2	-49.8	-57.67	-13	-44.67	H
1.363150	58.22	Pk	28.9	-95.2	-49.72	-57.80	-13	-44.80	V
2.042200	58.57	Pk	31.8	-95.2	-49.9	-54.73	-13	-41.73	H
2.042650	58.36	Pk	31.8	-95.2	-49.9	-54.94	-13	-41.94	V
2.720800	58.66	Pk	32.3	-95.2	-49.08	-53.32	-13	-40.32	H
2.722600	56.58	Pk	32.3	-95.2	-49.16	-55.48	-13	-42.48	V

5G NR n71 (BPSK 30.0MHZ BANDWIDTH, ANT 2)

Date:	2025-06-23
Test Engineer:	45258
Configuration:	EUT Only
Mode:	5G NR n71 30MHz BPSK
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 678MHz									
1.356850	57.42	Pk	29.0	-95.2	-49.8	-58.58	-13	-45.58	H
1.356400	56.66	Pk	29.0	-95.2	-49.8	-59.34	-13	-46.34	V
2.035450	57.62	Pk	31.8	-95.2	-50.0	-55.78	-13	-42.78	H
2.032750	58.27	Pk	31.8	-95.2	-49.98	-55.11	-13	-42.11	V
2.710900	56.72	Pk	32.3	-95.2	-48.99	-55.17	-13	-42.17	H
2.712700	56.66	Pk	32.3	-95.2	-48.97	-55.21	-13	-42.21	V
High Channel, 683MHz									
1.366300	58.16	Pk	28.9	-95.2	-49.8	-57.94	-13	-44.94	H
1.367650	57.93	Pk	28.9	-95.2	-49.8	-58.17	-13	-45.17	V
2.049400	58.77	Pk	31.8	-95.2	-50.1	-54.73	-13	-41.73	H
2.047600	59.12	Pk	31.8	-95.2	-50.04	-54.32	-13	-41.32	V
2.732500	57.62	Pk	32.3	-95.2	-49	-54.28	-13	-41.28	H
2.733850	56.45	Pk	32.3	-95.2	-49.09	-55.54	-13	-42.54	V

11. SETUP PHOTOS

Refer to 15496224-EP1V1 for setup photos.

END OF REPORT