Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 709MHz									
1.421300	57.90	Pk	28.2	-95.2	-47.09	-56.19	-13	-43.19	H
2.126200	56.92	Pk	31.5	-95.2	-48.64	-55.42	-13	-42.42	H
2.850000	54.87	Pk	32.3	-95.2	-46.8	-54.83	-13	-41.83	H
1.414700	57.83	Pk	28.3	-95.2	-47.08	-56.15	-13	-43.15	V
2.116100	57.03	Pk	31.4	-95.2	-48.52	-55.29	-13	-42.29	V
2.834200	55.70	Pk	32.3	-95.2	-47.12	-54.32	-13	-41.32	V
Mid Channel, 710MHz									
1.416000	57.36	Pk	28.2	-95.2	-47.15	-56.79	-13	-43.79	H
2.136300	56.60	Pk	31.5	-95.2	-48.35	-55.45	-13	-42.45	H
2.844700	54.96	Pk	32.3	-95.2	-47.00	-54.94	-13	-41.94	H
1.418700	57.76	Pk	28.2	-95.2	-47.10	-56.34	-13	-43.34	V
2.139800	57.61	Pk	31.5	-95.2	-48.47	-54.56	-13	-41.56	V
2.826700	55.82	Pk	32.3	-95.2	-47.07	-54.15	-13	-41.15	V
High Channel, 711MHz									
1.428400	57.05	Pk	28.1	-95.2	-47.16	-57.21	-13	-44.21	H
2.136800	57.40	Pk	31.5	-95.2	-48.33	-54.63	-13	-41.63	H
2.847800	55.64	Pk	32.3	-95.2	-47.14	-54.40	-13	-41.40	H
1.419100	58.38	Pk	28.2	-95.2	-47.11	-55.73	-13	-42.73	V
2.135400	57.46	Pk	31.5	-95.2	-48.43	-54.67	-13	-41.67	V
2.853100	55.76	Pk	32.3	-95.2	-47.04	-54.18	-13	-41.18	V

10.2.6. LTE BAND 25 AND 5G NR n25

LIMITS

FCC: §24.238(a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 25 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-01
Test Engineer:	25019 VK
Configuration:	EUT + Support Equipment
Mode	LTE 25 QPSK 20MHz
Chamber #:	04-RDE-Q

Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.700500	51.68	Pk	32.8	-95.2	-45.87	-56.59	-13	-43.59	H
5.550500	51.46	Pk	34.6	-95.2	-45.71	-54.85	-13	-41.85	H
7.400500	50.75	Pk	35.4	-95.2	-44.47	-53.52	-13	-40.52	H
3.700500	52.22	Pk	32.8	-95.2	-45.87	-56.05	-13	-43.05	V
5.550500	52.17	Pk	34.6	-95.2	-45.71	-54.14	-13	-41.14	V
7.400500	51.50	Pk	35.4	-95.2	-44.47	-52.77	-13	-39.77	V
Mid Channel, 1882.5MHz									
3.745500	52.21	Pk	32.7	-95.2	-46.08	-56.37	-13	-43.37	H
5.617500	51.20	Pk	34.7	-95.2	-45.89	-55.19	-13	-42.19	H
7.490000	51.26	Pk	35.5	-95.2	-44.41	-52.85	-13	-39.85	H
3.745500	53.51	Pk	32.7	-95.2	-46.08	-55.07	-13	-42.07	V
5.617500	51.75	Pk	34.7	-95.2	-45.89	-54.64	-13	-41.64	V
7.489500	52.51	Pk	35.5	-95.2	-44.44	-51.63	-13	-38.63	V
High Channel, 1905MHz									
3.790500	53.36	Pk	32.8	-95.2	-46.12	-55.16	-13	-42.16	H
5.686000	52.52	Pk	34.8	-95.2	-45.86	-53.74	-13	-40.74	H
7.580500	52.61	Pk	35.5	-95.2	-44.10	-51.19	-13	-38.19	H
3.790500	52.96	Pk	32.8	-95.2	-46.12	-55.56	-13	-42.56	V
5.686000	51.80	Pk	34.8	-95.2	-45.86	-54.46	-13	-41.46	V
7.580000	52.32	Pk	35.5	-95.2	-44.11	-51.49	-13	-38.49	V

BPSK 5G NR n25 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-08
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N25 BPSK 40MHz
Chamber #:	04-RDE-Q

Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.741500	55.67	Pk	32.8	-95.2	-46.14	-52.87	-13	-39.87	H
5.60400	54.28	Pk	34.7	-95.2	-45.84	-52.06	-13	-39.06	H
7.458500	53.90	Pk	35.4	-95.2	-44.58	-50.48	-13	-37.48	H
3.726500	55.14	Pk	32.8	-95.2	-46.00	-53.26	-13	-40.26	V
5.593500	53.86	Pk	34.7	-95.2	-45.84	-52.48	-13	-39.48	V
7.448000	53.76	Pk	35.4	-95.2	-44.59	-50.63	-13	-37.63	V
Mid Channel, 1882.5MHz									
3.752500	55.94	Pk	32.7	-95.2	-46.11	-52.67	-13	-39.67	H
5.651500	54.06	Pk	34.7	-95.2	-45.8	-52.24	-13	-39.24	H
7.528500	52.98	Pk	35.5	-95.2	-43.86	-50.58	-13	-37.58	H
3.751500	55.33	Pk	32.7	-95.2	-46.13	-53.30	-13	-40.30	V
5.634000	53.72	Pk	34.7	-95.2	-45.85	-52.63	-13	-39.63	V
7.521500	52.96	Pk	35.5	-95.2	-43.92	-50.66	-13	-37.66	V
High Channel, 1895MHz									
3.797500	55.67	Pk	32.8	-95.2	-46.4	-53.13	-13	-40.13	H
5.680500	54.80	Pk	34.8	-95.2	-45.8	-51.40	-13	-38.40	H
7.591500	53.20	Pk	35.5	-95.2	-44.21	-50.71	-13	-37.71	H
3.776500	55.11	Pk	32.7	-95.2	-46.08	-53.47	-13	-40.47	V
5.690500	54.13	Pk	34.8	-95.2	-45.79	-52.06	-13	-39.06	V
7.578000	53.46	Pk	35.5	-95.2	-44.11	-50.35	-13	-37.35	V

10.2.7. LTE BAND 26 AND 5G NR n26 (PART 90S)

LIMITS

FCC: §90.691
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 26 (10.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-12
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	LTE 26 QPSK 10MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.640000	58.31	Pk	28.3	-95.2	-47.7	-56.29	-13	-43.29	H
2.450900	56.53	Pk	32.2	-95.2	-48.56	-55.03	-13	-42.03	H
3.322600	55.35	Pk	32.7	-95.2	-45.12	-52.27	-13	-39.27	H
1.636900	58.11	Pk	28.3	-95.2	-47.83	-56.62	-13	-43.62	V
2.428000	58.78	Pk	32.2	-95.2	-48.52	-52.74	-13	-39.74	V
3.301400	52.99	Pk	32.7	-95.2	-44.96	-54.47	-13	-41.47	V

BPSK 5G NR n26 (10.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-22
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N25 BPSK 10MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.629000	68.98	Pk	29.6	-95.2	-49.58	-46.20	-13	-33.20	H
2.481900	58.86	Pk	32.2	-95.2	-50.48	-54.62	-13	-41.62	H
3.290500	56.43	Pk	32.9	-95.2	-47.66	-53.53	-13	-40.53	H
1.628700	58.95	Pk	29.6	-95.2	-49.57	-56.22	-13	-43.22	V
2.484100	59.45	Pk	32.2	-95.2	-50.47	-54.02	-13	-41.02	V
3.292300	56.08	Pk	32.9	-95.2	-47.63	-53.85	-13	-40.85	V

10.2.8. LTE BAND 26 AND 5G NR n26 (PART 22)

LIMITS

FCC: §22.917(a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 26 (15.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-12
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	LTE 26 QPSK 15MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 831.5MHz									
1.661100	57.17	Pk	28.6	-95.2	-47.50	-56.93	-13	-43.93	H
2.493200	56.98	Pk	32.3	-95.2	-48.30	-54.22	-13	-41.22	H
3.327400	53.66	Pk	32.7	-95.2	-45.26	-54.10	-13	-41.10	H
1.650100	57.43	Pk	28.4	-95.2	-47.74	-57.11	-13	-44.11	V
2.527000	57.67	Pk	32.3	-95.2	-47.91	-53.14	-13	-40.14	V
3.328300	54.19	Pk	32.7	-95.2	-45.24	-53.55	-13	-40.55	V
Mid Channel, 836.5MHz									
1.659400	60.25	Pk	28.5	-95.2	-47.57	-54.02	-13	-41.02	H
2.514300	56.71	Pk	32.3	-95.2	-48.31	-54.50	-13	-41.5	H
3.350700	53.26	Pk	32.7	-95.2	-45.34	-54.58	-13	-41.58	H
1.659400	64.38	Pk	28.5	-95.2	-47.57	-49.89	-13	-36.89	V
2.587300	58.12	Pk	32.2	-95.2	-47.81	-52.69	-13	-39.69	V
3.330900	53.1	Pk	32.7	-95.2	-45.12	-54.52	-13	-41.52	V
High Channel, 841.5MHz									
1.687500	57.38	Pk	28.9	-95.2	-47.76	-56.68	-13	-43.68	H
2.593000	58.22	Pk	32.2	-95.2	-47.91	-52.69	-13	-39.69	H
3.367400	53.57	Pk	32.7	-95.2	-45.44	-54.37	-13	-41.37	H
1.680000	57.38	Pk	28.8	-95.2	-47.83	-56.85	-13	-43.85	V
2.59660	56.84	Pk	32.2	-95.2	-47.93	-54.09	-13	-41.09	V
3.36130	53.64	Pk	32.7	-95.2	-45.31	-54.17	-13	-41.17	V

BPSK 5G NR n26 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-22
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N26 BPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 834MHz									
1.670100	58.14	Pk	30	-95.2	-49.59	-56.65	-13	-43.65	H
2.489500	59.44	Pk	32.2	-95.2	-50.41	-53.97	-13	-40.97	H
3.342300	56.57	Pk	32.8	-95.2	-47.15	-52.98	-13	-39.98	H
1.660200	59.80	Pk	29.9	-95.2	-49.55	-55.05	-13	-42.05	V
2.504800	58.92	Pk	32.3	-95.2	-50.22	-54.2	-13	-41.2	V
3.352200	55.98	Pk	32.8	-95.2	-47.19	-53.61	-13	-40.61	V
Mid Channel, 836.5MHz									
1.660600	58.66	Pk	29.9	-95.2	-49.55	-56.19	-13	-43.19	H
2.504400	59.10	Pk	32.3	-95.2	-50.22	-54.02	-13	-41.02	H
3.345900	55.46	Pk	32.8	-95.2	-47.2	-54.14	-13	-41.14	H
1.662900	58.28	Pk	30	-95.2	-49.55	-56.47	-13	-43.47	V
2.494900	59.25	Pk	32.3	-95.2	-50.37	-54.02	-13	-41.02	V
3.329200	55.49	Pk	32.8	-95.2	-47.22	-54.13	-13	-41.13	V
High Channel, 839MHz									
1.669600	58.35	Pk	30.0	-95.2	-49.59	-56.44	-13	-43.44	H
2.488800	65.38	Pk	32.2	-95.2	-50.41	-48.03	-13	-35.03	H
3.345900	55.63	Pk	32.8	-95.2	-47.20	-53.97	-13	-40.97	H
1.667800	58.20	Pk	30.0	-95.2	-49.56	-56.56	-13	-43.56	V
2.488700	61.52	Pk	32.2	-95.2	-50.42	-51.90	-13	-38.90	V
3.332400	56.05	Pk	32.8	-95.2	-47.24	-53.59	-13	-40.59	V

10.2.9. 5G NR n41 HPUE

LIMITS

FCC: §27.53 (m)
At least 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

BPSK 5G NR n41 HPUE (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-08
Test Engineer:	25019 VK
Configuration:	EUT + Support Equipment
Mode	N41 HPUE BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 2546MHz									
4.994500	54.60	Pk	34.1	-95.2	-46.28	-52.78	-25	-27.78	H
7.488500	52.11	Pk	35.5	-95.2	-44.18	-51.77	-25	-26.77	H
9.984500	51.04	Pk	37.5	-95.2	-42.97	-49.63	-25	-24.63	H
4.995000	55.06	Pk	34.1	-95.2	-46.26	-52.30	-25	-27.30	V
7.488500	51.51	Pk	35.5	-95.2	-44.18	-52.37	-25	-27.37	V
9.984500	53.60	Pk	37.5	-95.2	-42.97	-47.07	-25	-22.07	V
Mid Channel, 2593MHz									
5.086000	51.76	Pk	34.3	-95.2	-46.47	-55.61	-25	-30.61	H
7.630000	51.13	Pk	35.6	-95.2	-44.24	-52.71	-25	-27.71	H
10.172500	51.46	Pk	37.7	-95.2	-42.16	-48.20	-25	-23.20	H
5.086000	53.58	Pk	34.3	-95.2	-46.47	-53.79	-25	-28.79	V
7.630000	51.25	Pk	35.6	-95.2	-44.24	-52.59	-25	-27.59	V
10.172000	52.12	Pk	37.7	-95.2	-42.12	-47.50	-25	-22.5	V
High Channel, 2640MHz									
5.180000	53.12	Pk	34.5	-95.2	-45.93	-53.51	-25	-28.51	H
7.771000	51.73	Pk	35.7	-95.2	-43.75	-51.52	-25	-26.52	H
10.360500	50.37	Pk	37.8	-95.2	-42.2	-49.23	-25	-24.23	H
5.180000	53.09	Pk	34.5	-95.2	-45.93	-53.54	-25	-28.54	V
7.771000	52.44	Pk	35.7	-95.2	-43.75	-50.81	-25	-25.81	V
10.360500	51.41	Pk	37.8	-95.2	-42.2	-48.19	-25	-23.19	V

10.2.10. 5G NR n48

LIMITS

FCC: §96.41
(e) 3.5 GHz Emissions and Interference Limits—
(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz

BPSK 5G NR n48 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-24
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	n48 BPSK 40MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3570MHz										
7.150900	42.6	RMS	35.4	-95.2	7.04	-44.52	-54.68	-40	-14.68	H
10.719500	42.55	RMS	38	-95.2	7.04	-42.53	-50.14	-40	-10.14	H
14.261100	42.68	RMS	39.4	-95.2	7.04	-41.6	-47.68	-40	-7.68	H
7.135500	42.67	RMS	35.4	-95.2	7.04	-44.58	-54.67	-40	-14.67	V
10.682200	42.51	RMS	38	-95.2	7.04	-42.35	-50.00	-40	-10	V
14.246100	42.33	RMS	39.5	-95.2	7.04	-41.39	-47.72	-40	-7.72	V
Mid Channel, 3625MHz										
7.238700	42.40	RMS	35.4	-95.2	7	-44.27	-54.67	-40	-14.67	H
10.881900	41.29	RMS	37.9	-95.2	7	-41.78	-50.79	-40	-10.79	H
14.534500	42.94	RMS	39.5	-95.2	7	-41.54	-47.30	-40	-7.30	H
7.244300	42.64	RMS	35.4	-95.2	7	-44.29	-54.45	-40	-14.45	V
10.905300	41.49	RMS	37.9	-95.2	7	-41.2	-50.01	-40	-10.01	V
14.515400	42.92	RMS	39.5	-95.2	7	-41.69	-47.47	-40	-7.47	V
High Channel, 3680MHz										
7.34600	42.51	RMS	35.4	-95.2	7.04	-44.4	-54.65	-40	-14.65	H
11.02990	41.66	RMS	37.8	-95.2	7.04	-41.67	-50.37	-40	-10.37	H
14.72490	42.45	RMS	39.9	-95.2	7.04	-41.3	-47.11	-40	-7.11	H
7.31100	42.65	RMS	35.4	-95.2	7.04	-44.31	-54.42	-40	-14.42	V
11.02430	41.5	RMS	37.8	-95.2	7.04	-41.65	-50.51	-40	-10.51	V
14.71140	42.43	RMS	39.8	-95.2	7.04	-41.11	-47.04	-40	-7.04	V

10.2.11. LTE BAND 66 AND 5G NR n66

LIMITS

FCC: §27.53 (h)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 66 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-15
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE 66 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.455000	54.02	Pk	32.8	-95.2	-46.85	-55.23	-13	-42.23	H
5.133200	76.48	Pk	34.4	-95.2	-49.19	-33.51	-13	-20.51	H
6.881500	55.17	Pk	35.6	-95.2	-46.63	-51.06	-13	-38.06	H
3.456000	55.62	Pk	32.8	-95.2	-46.85	-53.63	-13	-40.63	V
5.133300	81.66	Pk	34.4	-95.2	-49.18	-28.32	-13	-15.32	V
6.862500	54.40	Pk	35.6	-95.2	-46.40	-51.6	-13	-38.60	V
Mid Channel, 1745MHz									
3.491000	52.93	Pk	32.9	-95.2	-47.09	-56.46	-13	-43.46	H
5.235500	56.59	Pk	34.6	-95.2	-49.27	-53.28	-13	-40.28	H
6.974500	53.10	Pk	35.7	-95.2	-46.62	-53.02	-13	-40.02	H
3.485000	52.85	Pk	32.8	-95.2	-47	-56.55	-13	-43.55	V
5.235500	55.85	Pk	34.6	-95.2	-49.27	-54.02	-13	-41.02	V
6.939000	53.58	Pk	35.6	-95.2	-46.62	-52.64	-13	-39.64	V
High Channel, 1770MHz									
3.527500	56.00	Pk	32.9	-95.2	-47.11	-53.41	-13	-40.41	H
5.325000	57.00	Pk	34.6	-95.2	-49.06	-52.66	-13	-39.66	H
7.095500	55.72	Pk	35.7	-95.2	-47.05	-50.83	-13	-37.83	H
3.514500	55.19	Pk	32.9	-95.2	-47.08	-54.19	-13	-41.19	V
5.312500	57.84	Pk	34.6	-95.2	-49.13	-51.89	-13	-38.89	V
7.082000	55.67	Pk	35.7	-95.2	-46.99	-50.82	-13	-37.82	V

BPSK 5G NR n66 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-02
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N66 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1730MHz									
3.463500	54.19	Pk	32.8	-95.2	-46.93	-55.14	-13	-42.14	H
5.192000	56.31	Pk	34.5	-95.2	-49.19	-53.58	-13	-40.58	H
6.919000	54.22	Pk	35.6	-95.2	-46.55	-51.93	-13	-38.93	H
3.456000	54.45	Pk	32.8	-95.2	-46.85	-54.80	-13	-41.80	V
5.1815000	56.62	Pk	34.5	-95.2	-49.18	-53.26	-13	-40.26	V
6.935500	53.90	Pk	35.6	-95.2	-46.49	-52.19	-13	-39.19	V
Mid Channel, 1745MHz									
3.502000	53.94	Pk	32.9	-95.2	-47.07	-55.43	-13	-42.43	H
5.248000	57.38	Pk	34.6	-95.2	-49.27	-52.49	-13	-39.49	H
6.998000	54.37	Pk	35.7	-95.2	-46.76	-51.89	-13	-38.89	H
3.479000	54.22	Pk	32.8	-95.2	-47.04	-55.22	-13	-42.22	V
5.254000	56.46	Pk	34.6	-95.2	-49.23	-53.37	-13	-40.37	V
6.993500	53.77	Pk	35.7	-95.2	-46.65	-52.38	-13	-39.38	V
High Channel, 1760MHz									
3.533000	54.38	Pk	33	-95.2	-47.13	-54.95	-13	-41.95	H
5.279000	57.14	Pk	34.6	-95.2	-49.18	-52.64	-13	-39.64	H
7.057500	54.82	Pk	35.7	-95.2	-46.91	-51.59	-13	-38.59	H
3.527000	54.80	Pk	32.9	-95.2	-47.11	-54.61	-13	-41.61	V
5.271500	56.93	Pk	34.6	-95.2	-49.21	-52.88	-13	-39.88	V
7.022000	54.12	Pk	35.7	-95.2	-46.47	-51.85	-13	-38.85	V

10.2.12. LTE BAND 71 AND 5G NR n71

LIMITS

FCC: §27.53 (g)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 71 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-18
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	LTE 71 QPSK 20MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 673MHz									
1.328100	69.82	Pk	28.6	-95.2	-47.22	-44.00	-13	-31.00	H
2.011800	54.97	Pk	31.3	-95.2	-48.07	-57.00	-13	-44.00	H
2.699900	56.09	Pk	32.2	-95.2	-47.73	-54.64	-13	-41.64	H
1.328200	61.80	Pk	28.6	-95.2	-47.22	-52.02	-13	-39.02	V
2.018400	55.73	Pk	31.3	-95.2	-48.22	-56.39	-13	-43.39	V
2.699100	56.69	Pk	32.2	-95.2	-47.63	-53.94	-13	-40.94	V
Mid Channel, 680.5MHz									
1.343200	69.83	Pk	28.6	-95.2	-47.33	-44.10	-13	-31.10	H
2.149100	57.45	Pk	31.5	-95.2	-48.57	-54.82	-13	-41.82	H
2.729900	55.14	Pk	32.2	-95.2	-47.73	-55.59	-13	-42.59	H
1.343300	71.16	Pk	28.6	-95.2	-47.33	-42.77	-13	-29.77	V
2.139000	58.18	Pk	31.5	-95.2	-48.45	-53.97	-13	-40.97	V
2.709200	55.30	Pk	32.2	-95.2	-47.56	-55.26	-13	-42.26	V
High Channel, 688MHz									
1.358200	65.87	Pk	28.6	-95.2	-47.28	-48.01	-13	-35.01	H
2.058900	56.43	Pk	31.4	-95.2	-48.2	-55.57	-13	-42.57	H
2.762000	56.09	Pk	32.2	-95.2	-47.55	-54.46	-13	-41.46	H
1.358000	59.65	Pk	28.6	-95.2	-47.28	-54.23	-13	-41.23	V
2.050100	56.37	Pk	31.4	-95.2	-48.29	-55.72	-13	-42.72	V
2.762900	56.45	Pk	32.2	-95.2	-47.56	-54.11	-13	-41.11	V

BPSK 5G NR n71 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-07
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N71 BPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 673MHz									
1.342900	58.93	Pk	29.2	-95.2	-49.2	-56.27	-13	-43.27	H
2.017450	58.89	Pk	32.2	-95.2	-49.9	-54.01	-13	-41.01	H
2.698750	58.94	Pk	32.5	-95.2	-49.49	-53.25	-13	-40.25	H
1.340650	58.88	Pk	29.2	-95.2	-49.21	-56.33	-13	-43.33	V
2.010700	59.03	Pk	32.2	-95.2	-49.9	-53.87	-13	-40.87	V
2.696950	57.95	Pk	32.5	-95.2	-49.48	-54.23	-13	-41.23	V
Mid Channel, 680.5MHz									
1.356400	58.07	Pk	29.1	-95.2	-49.19	-57.22	-13	-44.22	H
2.048500	58.19	Pk	32.1	-95.2	-49.69	-54.60	-13	-41.6	H
2.727100	57.51	Pk	32.5	-95.2	-49.35	-54.54	-13	-41.54	H
1.341550	60.84	Pk	29.2	-95.2	-49.21	-54.37	-13	-41.37	V
2.045800	58.03	Pk	32.1	-95.2	-49.72	-54.79	-13	-41.79	V
2.720350	57.67	Pk	32.5	-95.2	-49.36	-54.39	-13	-41.39	V
High Channel, 688MHz									
1.382050	57.11	Pk	28.9	-95.2	-49.18	-58.37	-13	-45.37	H
2.061100	60.06	Pk	32	-95.2	-49.57	-52.71	-13	-39.71	H
2.760850	58.58	Pk	32.6	-95.2	-49.66	-53.68	-13	-40.68	H
1.382950	57.94	Pk	28.9	-95.2	-49.18	-57.54	-13	-44.54	V
2.064700	59.06	Pk	32	-95.2	-49.53	-53.67	-13	-40.67	V
2.764450	57.63	Pk	32.6	-95.2	-49.68	-54.65	-13	-41.65	V

10.2.13. 5G NR n77 (Part 27 3450-3550MHz) HPUE

LIMITS

FCC: §27.53
Emission limits
(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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-07
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 3500MHz										
6.998300	42.54	RMS	35.6	-95.2	7.04	-44.02	-54.04	-13	-41.04	H
10.500200	41.83	RMS	37.9	-95.2	7.04	-41.9	-50.33	-13	-37.33	H
14.017500	42.19	RMS	39.4	-95.2	7.04	-41.04	-47.61	-13	-34.61	H
6.982500	42.21	RMS	35.6	-95.2	7.04	-43.82	-54.17	-13	-41.17	V
10.486700	41.72	RMS	37.9	-95.2	7.04	-42.24	-50.78	-13	-37.78	V
13.943300	42.63	RMS	39.4	-95.2	7.04	-41.4	-47.53	-13	-34.53	V

10.2.14. 5G NR n77 (Part 27 3700-3980MHz) HPUE

LIMITS

FCC: §27.53
(l) 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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-07
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3750MHz										
7.499100	42.37	RMS	35.5	-95.2	7.06	-44.36	-54.63	-13	-41.63	H
11.271600	41.58	RMS	37.7	-95.2	7.06	-41.71	-50.57	-13	-37.57	H
14.994200	41.07	RMS	40.5	-95.2	7.06	-40.54	-47.11	-13	-34.11	H
7.454700	42.38	RMS	35.5	-95.2	7.06	-44.52	-54.78	-13	-41.78	V
11.289800	41.45	RMS	37.7	-95.2	7.06	-41.32	-50.31	-13	-37.31	V
14.9489	41.79	RMS	40.4	-95.2	7.06	-40.77	-46.72	-13	-33.72	V
Mid Channel, 3840MHz										
7.581700	42.45	RMS	35.6	-95.2	7.02	-44.11	-54.24	-13	-41.24	H
11.351400	40.71	RMS	37.7	-95.2	7.02	-40.57	-50.34	-13	-37.34	H
15.091700	41.84	RMS	40.7	-95.2	7.02	-40.52	-46.16	-13	-33.16	H
7.541100	42.26	RMS	35.6	-95.2	7.02	-44.42	-54.74	-13	-41.74	V
11.370500	40.98	RMS	37.8	-95.2	7.02	-40.53	-49.93	-13	-36.93	V
15.083300	41.78	RMS	40.7	-95.2	7.02	-40.68	-46.38	-13	-33.38	V
High Channel, 3930MHz										
7.856400	42.02	RMS	35.8	-95.2	7.06	-43.95	-54.27	-13	-41.27	H
11.794400	40.45	RMS	38.6	-95.2	7.06	-41.16	-50.25	-13	-37.25	H
15.765300	41.23	RMS	41.3	-95.2	7.06	-39.73	-45.34	-13	-32.34	H
7.820600	42.01	RMS	35.7	-95.2	7.06	-44.15	-54.58	-13	-41.58	V
11.759700	40.51	RMS	38.6	-95.2	7.06	-41.09	-50.12	-13	-37.12	V
15.798800	40.87	RMS	41.3	-95.2	7.06	-39.93	-45.90	-13	-32.9	V

10.3. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 2

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02r02

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

RESULTS

10.3.1. LTE BAND 7 AND 5G NR n7

LIMITS

FCC: §27.53 (m)
At least 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

QPSK LTE BAND 7 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-12
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE7 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.017500	58.28	Pk	34.3	-95.2	-49.48	-52.10	-25	-27.10	H
7.524000	55.88	Pk	35.6	-95.2	-47.97	-51.69	-25	-26.69	H
10.066500	58.00	Pk	37.5	-95.2	-48.64	-48.34	-25	-23.34	H
5.012000	57.92	Pk	34.2	-95.2	-49.48	-52.56	-25	-27.56	V
7.521000	55.81	Pk	35.6	-95.2	-48.03	-51.82	-25	-26.82	V
10.112000	57.43	Pk	37.6	-95.2	-48.39	-48.56	-25	-23.56	V
Mid Channel, 2535MHz									
5.071500	58.05	Pk	34.3	-95.2	-49.60	-52.45	-25	-27.45	H
7.620000	56.25	Pk	35.7	-95.2	-48.04	-51.29	-25	-26.29	H
10.118500	57.52	Pk	37.6	-95.2	-48.43	-48.51	-25	-23.51	H
5.071000	57.63	Pk	34.3	-95.2	-49.6	-52.87	-25	-27.87	V
7.612500	56.14	Pk	35.7	-95.2	-48.0	-51.36	-25	-26.36	V
10.106500	56.59	Pk	37.6	-95.2	-48.39	-49.40	-25	-24.40	V
High Channel, 2560MHz									
5.119000	58.66	Pk	34.4	-95.2	-49.41	-51.55	-25	-26.55	H
7.684500	56.98	Pk	35.7	-95.2	-47.78	-50.30	-25	-25.30	H
10.234500	56.33	Pk	37.7	-95.2	-47.25	-48.42	-25	-23.42	H
5.138500	57.89	Pk	34.4	-95.2	-49.27	-52.18	-25	-27.18	V
7.650500	56.28	Pk	35.7	-95.2	-47.78	-51.00	-25	-26.00	V
10.254500	56.76	Pk	37.7	-95.2	-47.41	-48.15	-25	-23.15	V

BPSK 5G NR n7 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-30
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	n7 BPSK 50MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 2525MHz									
5.029500	56.85	Pk	34.2	-95.2	-49.54	-53.69	-25	-28.69	H
7.566500	55.53	Pk	35.7	-95.2	-48.11	-52.08	-25	-27.08	H
10.088500	57.37	Pk	37.6	-95.2	-48.46	-48.69	-25	-23.69	H
5.057000	59.09	Pk	34.3	-95.2	-49.60	-51.41	-25	-26.41	V
7.540500	56.33	Pk	35.6	-95.2	-47.97	-51.24	-25	-26.24	V
10.095500	57.97	Pk	37.6	-95.2	-48.39	-48.02	-25	-23.02	V
Mid Channel, 2535MHz									
5.063500	57.16	Pk	34.3	-95.2	-49.6	-53.34	-25	-28.34	H
7.548500	52.96	Pk	35.6	-95.2	-48.11	-54.75	-25	-29.75	H
10.161500	57.78	Pk	37.6	-95.2	-47.87	-47.69	-25	-22.69	H
5.064000	57.58	Pk	34.3	-95.2	-49.6	-52.92	-25	-27.92	V
7.547100	60.58	Pk	35.6	-95.2	-48.08	-47.10	-25	-22.1	V
10.130500	57.63	Pk	37.6	-95.2	-48.29	-48.26	-25	-23.26	V
High Channel, 2545MHz									
5.127000	57.46	Pk	34.4	-95.2	-49.34	-52.68	-25	-27.68	H
7.628000	55.73	Pk	35.7	-95.2	-47.85	-51.62	-25	-26.62	H
10.225000	56.28	Pk	37.7	-95.2	-47.00	-48.22	-25	-23.22	H
5.155000	57.14	Pk	34.4	-95.2	-49.19	-52.85	-25	-27.85	V
7.599500	56.17	Pk	35.7	-95.2	-47.95	-51.28	-25	-26.28	V
10.446500	57.89	Pk	37.8	-95.2	-47.00	-46.51	-25	-21.51	V

10.3.2. LTE BAND 25 AND 5G NR n25

LIMITS

FCC: §24.238(a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 25 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-12
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE 25 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading	Det	79834 ACF (dB)	EIRP CF	Amp/Cbl (dB)	Corrected Reading	Harmonics limit	Margin (dB)	Polarity

	(dBuV)					(dBm)			
Low Channel, 1860MHz									
3.711000	54.67	Pk	33.1	-95.2	-46.81	-54.24	-13	-41.24	H
5.55330	60.99	Pk	34.7	-95.2	-48.34	-47.85	-13	-34.85	H
7.456500	56.32	Pk	35.6	-95.2	-47.80	-51.08	-13	-38.08	H
3.700000	54.81	Pk	33.1	-95.2	-46.78	-54.07	-13	-41.07	V
5.553200	63.20	Pk	34.7	-95.2	-48.34	-45.64	-13	-32.64	V
7.429500	56.08	Pk	35.5	-95.2	-47.85	-51.47	-13	-38.47	V
Mid Channel, 1882.5MHz									
3.762500	54.68	Pk	33	-95.2	-46.83	-54.35	-13	-41.35	H
5.620800	76.26	Pk	34.8	-95.2	-48.05	-32.19	-13	-19.19	H
7.551500	56.73	Pk	35.6	-95.2	-47.84	-50.71	-13	-37.71	H
3.769000	55.20	Pk	33	-95.2	-46.93	-53.93	-13	-40.93	V
5.620700	75.44	Pk	34.8	-95.2	-48.05	-33.01	-13	-20.01	V
7.557000	55.83	Pk	35.6	-95.2	-47.74	-51.51	-13	-38.51	V
High Channel, 1905MHz									
3.802500	55.98	Pk	33	-95.2	-47.01	-53.23	-13	-40.23	H
5.708000	55.74	Pk	34.9	-95.2	-47.95	-52.51	-13	-39.51	H
7.620500	56.04	Pk	35.7	-95.2	-47.82	-51.28	-13	-38.28	H
3.779000	55.87	Pk	33	-95.2	-46.91	-53.24	-13	-40.24	V
5.670500	56.96	Pk	34.8	-95.2	-47.94	-51.38	-13	-38.38	V
7.594500	56.51	Pk	35.7	-95.2	-47.80	-50.79	-13	-37.79	V

BPSK 5G NR n25 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-18
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N25 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.734500	55.07	Pk	33	-95.2	-46.69	-53.82	-13	-40.82	H
5.551900	66.25	Pk	34.7	-95.2	-48.33	-42.58	-13	-29.58	H
7.470500	56.21	Pk	35.6	-95.2	-47.77	-51.16	-13	-38.16	H
3.740000	54.77	Pk	33	-95.2	-46.78	-54.21	-13	-41.21	V
5.551900	63.01	Pk	34.7	-95.2	-48.33	-45.82	-13	-32.82	V
7.456000	56.13	Pk	35.6	-95.2	-47.79	-51.26	-13	-38.26	V
Mid Channel, 1882.5MHz									
3.775000	54.47	Pk	33.0	-95.2	-46.86	-54.59	-13	-41.59	H
5.589300	63.63	Pk	34.8	-95.2	-48.22	-44.99	-13	-31.99	H
7.533500	55.90	Pk	35.6	-95.2	-47.97	-51.67	-13	-38.67	H
3.777500	54.30	Pk	33.0	-95.2	-46.89	-54.79	-13	-41.79	V
5.580500	56.28	Pk	34.7	-95.2	-48.30	-52.52	-13	-39.52	V
7.523000	55.88	Pk	35.6	-95.2	-47.83	-51.55	-13	-38.55	V
High Channel, 1895MHz									
3.798000	55.02	Pk	33.0	-95.2	-47.11	-54.29	-13	-41.29	H
5.627000	63.69	Pk	34.8	-95.2	-48.04	-44.75	-13	-31.75	H
7.581000	55.56	Pk	35.7	-95.2	-47.76	-51.70	-13	-38.70	H
3.801000	54.91	Pk	33.0	-95.2	-47.05	-54.34	-13	-41.34	V
5.626900	66.41	Pk	34.8	-95.2	-48.04	-42.03	-13	-29.03	V
7.583500	56.00	Pk	35.7	-95.2	-47.72	-51.22	-13	-38.22	V

10.3.3. LTE BAND 30 AND 5G NR n30

LIMITS

FCC: §27.53 (a)
For mobile and portable stations operating in the 2305-2315 MHz: by a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

QPSK LTE BAND 30 (10.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-02
Test Engineer:	32188 AC
Configuration:	EUT + Support Equipment
Mode	LTE 30 QPSK 10MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.610300	46.80	Pk	34	-95.2	-47.10	-61.50	-40	-21.50	H
6.915300	44.14	Pk	35.6	-95.2	-44.87	-60.33	-40	-20.33	H
9.220800	43.83	Pk	36.3	-95.2	-42.98	-58.05	-40	-18.05	H
4.610300	46.87	Pk	34	-95.2	-47.10	-61.43	-40	-21.43	V
6.915300	44.41	Pk	35.6	-95.2	-44.87	-60.06	-40	-20.06	V
9.220800	44.04	Pk	36.3	-95.2	-42.98	-57.84	-40	-17.84	V

BPSK 5G NR n30 (10.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-24
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N30 BPSK 10MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.637300	48.91	Pk	34.3	-95.2	-49.17	-61.16	-40	-21.16	H
6.910900	47.47	Pk	35.6	-95.2	-46.65	-58.78	-40	-18.78	H
9.248200	46.18	Pk	36.1	-95.2	-45.29	-58.21	-40	-18.21	H
4.651000	48.90	Pk	34.3	-95.2	-49.24	-61.24	-40	-21.24	V
6.892700	46.66	Pk	35.6	-95.2	-46.4	-59.34	-40	-19.34	V
9.243800	46.31	Pk	36.1	-95.2	-45.23	-58.02	-40	-18.02	V

10.3.4. LTE BAND 41 AND 5G NR n41 HPUE

LIMITS

FCC: §27.53 (m)
At least 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

QPSK LTE BAND 41 HPUE (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-03
Test Engineer:	32188 AC
Configuration:	EUT + Support Equipment
Mode	LTE 41 HPUE QPSK 20MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB) 3mH	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
4.992000	53.44	Pk	34	-95.2	-46.4	-54.16	-25	-29.16	H
7.488000	51.21	Pk	35.7	-95.2	-44.18	-52.47	-25	-27.47	H
9.984000	50.97	Pk	37.1	-95.2	-42.99	-50.12	-25	-25.12	H
4.992000	53.85	Pk	34	-95.2	-46.4	-53.75	-25	-28.75	V
7.488000	51.92	Pk	35.7	-95.2	-44.18	-51.76	-25	-26.76	V
9.984000	50.93	Pk	37.1	-95.2	-42.99	-50.16	-25	-25.16	V
Mid Channel, 2593MHz									
5.166000	54.24	Pk	34.2	-95.2	-46.11	-52.87	-25	-27.87	H
7.749500	52.36	Pk	35.8	-95.2	-43.99	-51.03	-25	-26.03	H
10.332000	52.03	Pk	37.4	-95.2	-42.82	-48.59	-25	-23.59	H
5.166000	52.71	Pk	34.2	-95.2	-46.11	-54.40	-25	-29.4	V
7.749500	50.38	Pk	35.8	-95.2	-43.99	-53.01	-25	-28.01	V
10.332000	51.04	Pk	37.4	-95.2	-42.82	-49.58	-25	-24.58	V
High Channel, 2680MHz									
5.340500	53.17	Pk	34.5	-95.2	-46.08	-53.61	-25	-28.61	H
8.010000	51.24	Pk	35.8	-95.2	-43.58	-51.74	-25	-26.74	H
10.680000	52.18	Pk	37.7	-95.2	-42.32	-47.64	-25	-22.64	H
5.340500	52.35	Pk	34.5	-95.2	-46.08	-54.43	-25	-29.43	V
8.010000	51.54	Pk	35.8	-95.2	-43.58	-51.44	-25	-26.44	V
10.680000	52.16	Pk	37.7	-95.2	-42.32	-47.66	-25	-22.66	V

BPSK LTE BAND n41 HPUE(100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-31
Test Engineer:	25019 VK
Configuration:	EUT + Support Equipment
Mode	N41 HPUE BPSK 100MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 2546MHz									
4.992000	54.62	Pk	34.2	-95.2	-49.43	-55.81	-25	-30.81	H
7.489000	54.01	Pk	35.6	-95.2	-47.98	-53.57	-25	-28.57	H
9.984500	55.16	Pk	37.4	-95.2	-47.99	-50.63	-25	-25.63	H
4.992000	55.11	Pk	34.2	-95.2	-49.43	-55.32	-25	-30.32	V
7.489000	52.47	Pk	35.6	-95.2	-47.98	-55.11	-25	-30.11	V
9.984500	55.40	Pk	37.4	-95.2	-47.99	-50.39	-25	-25.39	V
Mid Channel, 2593MHz									
5.086000	54.94	Pk	34.3	-95.2	-49.54	-55.50	-25	-30.5	H
7.692000	53.86	Pk	35.7	-95.2	-47.86	-53.50	-25	-28.5	H
10.172500	55.32	Pk	37.6	-95.2	-47.79	-50.07	-25	-25.07	H
5.086000	57.45	Pk	34.3	-95.2	-49.54	-52.99	-25	-27.99	V
7.692000	54.28	Pk	35.7	-95.2	-47.86	-53.08	-25	-28.08	V
10.172500	55.38	Pk	37.6	-95.2	-47.79	-50.01	-25	-25.01	V
High Channel, 2640MHz									
5.181000	54.75	Pk	34.5	-95.2	-49.19	-55.14	-25	-30.14	H
7.770500	53.76	Pk	35.8	-95.2	-47.8	-53.44	-25	-28.44	H
10.360500	55.39	Pk	37.7	-95.2	-47.72	-49.83	-25	-24.83	H
5.181000	55.37	Pk	34.5	-95.2	-49.19	-54.52	-25	-29.52	V
7.770500	54.02	Pk	35.8	-95.2	-47.8	-53.18	-25	-28.18	V
10.360500	54.73	Pk	37.7	-95.2	-47.72	-50.49	-25	-25.49	V

10.3.5. LTE BAND 66 AND 5G NR n66

LIMITS

FCC: §27.53 (h)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 66 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-12
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE 66 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.457500	55.46	Pk	32.8	-95.2	-46.84	-53.78	-13	-40.78	H
5.133200	74.21	Pk	34.4	-95.2	-49.19	-35.78	-13	-22.78	H
6.872000	55.24	Pk	35.6	-95.2	-46.62	-50.98	-13	-37.98	H
3.452500	55.22	Pk	32.8	-95.2	-46.92	-54.10	-13	-41.1	V
5.133200	74.46	Pk	34.4	-95.2	-49.19	-35.53	-13	-22.53	V
6.881000	54.48	Pk	35.6	-95.2	-46.62	-51.74	-13	-38.74	V
Mid Channel, 1745MHz									
3.498000	54.98	Pk	32.9	-95.2	-47.11	-54.43	-13	-41.43	H
5.208200	72.41	Pk	34.5	-95.2	-49.2	-37.49	-13	-24.49	H
6.985500	55.89	Pk	35.7	-95.2	-46.7	-50.31	-13	-37.31	H
3.466500	55.32	Pk	32.8	-95.2	-46.96	-54.04	-13	-41.04	V
5.208100	70.66	Pk	34.5	-95.2	-49.2	-39.24	-13	-26.24	V
6.992000	55.87	Pk	35.7	-95.2	-46.63	-50.26	-13	-37.26	V
High Channel, 1770MHz									
3.530500	55.62	Pk	33	-95.2	-47.1	-53.68	-13	-40.68	H
5.283500	69.19	Pk	34.6	-95.2	-49.19	-40.60	-13	-27.6	H
7.077500	55.52	Pk	35.7	-95.2	-46.88	-50.86	-13	-37.86	H
3.514000	55.81	Pk	32.9	-95.2	-47.08	-53.57	-13	-40.57	V
5.283400	63.04	Pk	34.6	-95.2	-49.19	-46.75	-13	-33.75	V
7.026500	55.98	Pk	35.7	-95.2	-46.59	-50.11	-13	-37.11	V

BPSK 5G NR n66 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-01-23
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N66 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1730MHz									
3.421300	60.45	Pk	32.8	-95.2	-46.9	-48.85	-13	-35.85	H
5.131700	71.1	Pk	34.4	-95.2	-49.19	-38.89	-13	-25.89	H
6.908500	54.86	Pk	35.6	-95.2	-46.58	-51.32	-13	-38.32	H
3.421200	60.99	Pk	32.8	-95.2	-46.9	-48.31	-13	-35.31	V
5.131700	72.97	Pk	34.4	-95.2	-49.19	-37.02	-13	-24.02	V
6.899500	54.95	Pk	35.6	-95.2	-46.62	-51.27	-13	-38.27	V
Mid Channel, 1745MHz									
3.471200	61.41	Pk	32.8	-95.2	-46.92	-47.91	-13	-34.91	H
5.206400	64.40	Pk	34.5	-95.2	-49.18	-45.48	-13	-32.48	H
6.981500	54.65	Pk	35.7	-95.2	-46.67	-51.52	-13	-38.52	H
3.471000	56.15	Pk	32.8	-95.2	-46.92	-53.17	-13	-40.17	V
5.206500	62.45	Pk	34.5	-95.2	-49.18	-47.43	-13	-34.43	V
6.982500	54.40	Pk	35.7	-95.2	-46.69	-51.79	-13	-38.79	V
High Channel, 1760MHz									
3.521200	60.12	Pk	32.9	-95.2	-47.15	-49.33	-13	-36.33	H
5.045000	59.26	Pk	34.3	-95.2	-49.57	-51.21	-13	-38.21	H
7.036000	55.24	Pk	35.7	-95.2	-46.54	-50.80	-13	-37.80	H
3.521100	60.56	Pk	32.9	-95.2	-47.15	-48.89	-13	-35.89	V
5.02600	57.03	Pk	34.2	-95.2	-49.58	-53.55	-13	-40.55	V
7.012000	54.51	Pk	35.7	-95.2	-46.66	-51.65	-13	-38.65	V

10.3.6. 5G NR n70

LIMITS

FCC: §27.53 (h)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

BPSK 5G NR n70 (15.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-02
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N70 BPSK 15MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Mid Channel, 1702.5MHz									
3.390900	63.35	Pk	32.7	-95.2	-46.98	-46.13	-13	-33.13	H
5.086500	79.40	Pk	34.3	-95.2	-49.42	-30.92	-13	-17.92	H
8.477500	64.11	Pk	35.8	-95.2	-45.14	-40.43	-13	-27.43	H
3.391000	60.17	Pk	32.7	-95.2	-46.98	-49.31	-13	-36.31	V
5.086500	81.79	Pk	34.3	-95.2	-49.42	-28.53	-13	-15.53	V
8.477400	64.5	Pk	35.8	-95.2	-45.14	-40.04	-13	-27.04	V

10.4. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 5

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02r02

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

RESULTS

10.4.1. LTE BAND 25 AND 5G NR n25

LIMITS

FCC: §24.238(a)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 25 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-01
Test Engineer:	25019 VK
Configuration:	EUT + Support Equipment
Mode	LTE 25 QPSK 20MHz
Chamber #:	04-RDE-Q

Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.700500	52.57	Pk	32.8	-95.2	-45.87	-55.70	-13	-42.70	H
5.550500	52.78	Pk	34.6	-95.2	-45.71	-53.53	-13	-40.53	H
7.400500	51.84	Pk	35.4	-95.2	-44.47	-52.43	-13	-39.43	H
3.700500	53.17	Pk	32.8	-95.2	-45.87	-55.10	-13	-42.10	V
5.550500	52.68	Pk	34.6	-95.2	-45.71	-53.63	-13	-40.63	V
7.400500	52.05	Pk	35.4	-95.2	-44.47	-52.22	-13	-39.22	V
Mid Channel, 1882.5MHz									
3.745500	53.95	Pk	32.7	-95.2	-46.08	-54.63	-13	-41.63	H
5.617500	52.54	Pk	34.7	-95.2	-45.89	-53.85	-13	-40.85	H
7.490000	52.47	Pk	35.5	-95.2	-44.41	-51.64	-13	-38.64	H
3.745500	54.08	Pk	32.7	-95.2	-46.08	-54.5	-13	-41.5	V
5.617500	53.07	Pk	34.7	-95.2	-45.89	-53.32	-13	-40.32	V
7.490000	51.58	Pk	35.5	-95.2	-44.41	-52.53	-13	-39.53	V
High Channel, 1905MHz									
3.790500	52.80	Pk	32.8	-95.2	-46.12	-55.72	-13	-42.72	H
5.685500	52.93	Pk	34.8	-95.2	-45.87	-53.34	-13	-40.34	H
7.580000	50.42	Pk	35.5	-95.2	-44.11	-53.39	-13	-40.39	H
3.790000	54.15	Pk	32.8	-95.2	-46.11	-54.36	-13	-41.36	V
5.685500	52.60	Pk	34.8	-95.2	-45.87	-53.67	-13	-40.67	V
7.580000	52.13	Pk	35.5	-95.2	-44.11	-51.68	-13	-38.68	V

BPSK 5G NR n25 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-08
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N25 BPSK 40MHz
Chamber #:	04-RDE-Q

Frequency (GHz)	Meter Reading (dBuV)	Det	84796 ACF (dB) - 3mH	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1870MHz									
3.744500	55.03	Pk	32.7	-95.2	-46.03	-53.50	-13	-40.50	H
5.608500	54.82	Pk	34.7	-95.2	-45.88	-51.56	-13	-38.56	H
7.491500	53.01	Pk	35.5	-95.2	-44.34	-51.03	-13	-38.03	H
3.720000	55.00	Pk	32.8	-95.2	-45.73	-53.13	-13	-40.13	V
5.600000	54.44	Pk	34.7	-95.2	-45.94	-52.00	-13	-39.00	V
7.495000	53.06	Pk	35.5	-95.2	-44.29	-50.93	-13	-37.93	V
Mid Channel, 1882.5MHz									
3.759000	55.86	Pk	32.7	-95.2	-46.12	-52.76	-13	-39.76	H
5.653000	53.55	Pk	34.7	-95.2	-45.83	-52.78	-13	-39.78	H
7.531000	52.61	Pk	35.5	-95.2	-43.91	-51.00	-13	-38	H
3.736000	55.44	Pk	32.8	-95.2	-46.04	-53.00	-13	-40	V
5.660500	54.04	Pk	34.7	-95.2	-45.79	-52.25	-13	-39.25	V
7.514500	52.82	Pk	35.5	-95.2	-44.1	-50.98	-13	-37.98	V
High Channel, 1895MHz									
3.784000	56.45	Pk	32.8	-95.2	-46.21	-52.16	-13	-39.16	H
5.676000	54.26	Pk	34.8	-95.2	-45.77	-51.91	-13	-38.91	H
7.599500	54.06	Pk	35.5	-95.2	-44.2	-49.84	-13	-36.84	H
3.785500	55.42	Pk	32.8	-95.2	-46.18	-53.16	-13	-40.16	V
5.645000	54.35	Pk	34.7	-95.2	-45.87	-52.02	-13	-39.02	V
7.591000	53.19	Pk	35.5	-95.2	-44.2	-50.71	-13	-37.71	V

10.4.2. 5G NR n41 HPUE

LIMITS

FCC: §27.53 (m)
At least 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

BPSK 5G NR n41 HPUE (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-08
Test Engineer:	25019 VK
Configuration:	EUT + Support Equipment
Mode	N41 HPUE BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 2546MHz									
4.993000	52.96	Pk	34.1	-95.2	-46.38	-54.52	-25	-29.52	H
7.488000	52.40	Pk	35.5	-95.2	-44.18	-51.48	-25	-26.48	H
9.984500	50.96	Pk	37.5	-95.2	-42.97	-49.71	-25	-24.71	H
4.993000	53.30	Pk	34.1	-95.2	-46.38	-54.18	-25	-29.18	V
7.488000	51.78	Pk	35.5	-95.2	-44.18	-52.10	-25	-27.1	V
9.984500	51.86	Pk	37.5	-95.2	-42.97	-48.81	-25	-23.81	V
Mid Channel, 2593MHz									
5.086500	54.45	Pk	34.3	-95.2	-46.49	-52.94	-25	-27.94	H
7.62900	51.75	Pk	35.6	-95.2	-44.34	-52.19	-25	-27.19	H
10.172500	50.92	Pk	37.7	-95.2	-42.16	-48.74	-25	-23.74	H
5.086500	52.93	Pk	34.3	-95.2	-46.49	-54.46	-25	-29.46	V
7.629500	51.52	Pk	35.6	-95.2	-44.29	-52.37	-25	-27.37	V
10.172500	52.52	Pk	37.7	-95.2	-42.16	-47.14	-25	-22.14	V
High Channel, 2640MHz									
5.302000	55.03	Pk	34.6	-95.2	-46.02	-51.59	-25	-26.59	H
7.933000	53.41	Pk	35.8	-95.2	-43.31	-49.30	-25	-24.3	H
10.546500	53.59	Pk	38	-95.2	-42.73	-46.34	-25	-21.34	H
5.282000	54.46	Pk	34.6	-95.2	-46.02	-52.16	-25	-27.16	V
7.906000	54.03	Pk	35.8	-95.2	-43.26	-48.63	-25	-23.63	V
10.538000	53.06	Pk	38	-95.2	-42.53	-46.67	-25	-21.67	V

10.4.3. 5G NR n48

LIMITS

FCC: §96.41
(e) 3.5 GHz Emissions and Interference Limits—
(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz

BPSK 5G NR n48 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-04-24
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	n48 BPSK 40MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3570MHz										
7.166800	42.39	RMS	35.4	-95.2	7.06	-44.62	-54.97	-40	-14.97	H
10.732600	42.51	RMS	38	-95.2	7.06	-42.23	-49.86	-40	-9.86	H
14.31710	42.56	RMS	39.4	-95.2	7.06	-41.17	-47.35	-40	-7.35	H
7.132700	42.60	RMS	35.4	-95.2	7.06	-44.6	-54.74	-40	-14.74	V
10.702300	42.35	RMS	38	-95.2	7.06	-42.62	-50.41	-40	-10.41	V
14.331500	42.84	RMS	39.4	-95.2	7.06	-41.64	-47.54	-40	-7.54	V
Mid Channel, 3625MHz										
7.213500	42.40	RMS	35.4	-95.2	7.08	-43.91	-54.23	-40	-14.23	H
10.900600	41.49	RMS	37.9	-95.2	7.08	-41.24	-49.97	-40	-9.97	H
14.500900	43.12	RMS	39.5	-95.2	7.08	-41.4	-46.90	-40	-6.9	H
7.212200	46.97	RMS	35.4	-95.2	7.08	-43.93	-49.68	-40	-9.68	V
10.906200	41.45	RMS	37.9	-95.2	7.08	-41.24	-50.01	-40	-10.01	V
14.499500	43.08	RMS	39.5	-95.2	7.08	-41.39	-46.93	-40	-6.93	V
High Channel, 3680MHz										
7.336200	42.66	RMS	35.4	-95.2	7	-44.35	-54.49	-40	-14.49	H
11.046200	41.95	RMS	37.8	-95.2	7	-41.94	-50.39	-40	-10.39	H
14.711400	42.52	RMS	39.8	-95.2	7	-41.11	-46.99	-40	-6.99	H
7.335700	42.71	RMS	35.4	-95.2	7	-44.36	-54.45	-40	-14.45	V
11.035500	41.85	RMS	37.8	-95.2	7	-41.82	-50.37	-40	-10.37	V
14.651200	42.65	RMS	39.7	-95.2	7	-40.74	-46.59	-40	-6.59	V

10.4.4. LTE BAND 66 AND 5G NR n66

LIMITS

FCC: §27.53 (h)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

QPSK LTE BAND 66 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2023-12-15
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE 66 QPSK 20MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.507000	55.44	Pk	32.9	-95.2	-47.15	-54.01	-13	-41.01	H
5.133300	77.26	Pk	34.4	-95.2	-49.18	-32.72	-13	-19.72	H
8.555300	57.05	Pk	35.8	-95.2	-44.86	-47.21	-13	-34.21	H
3.508500	55.97	Pk	32.9	-95.2	-47.15	-53.48	-13	-40.48	V
5.133200	81.02	Pk	34.4	-95.2	-49.19	-28.97	-13	-15.97	V
8.555500	60.81	Pk	35.8	-95.2	-44.87	-43.46	-13	-30.46	V
Mid Channel, 1745MHz									
3.507000	56.13	Pk	32.9	-95.2	-47.15	-53.32	-13	-40.32	H
5.208300	75.63	Pk	34.5	-95.2	-49.2	-34.27	-13	-21.27	H
6.984500	55.75	Pk	35.7	-95.2	-46.71	-50.46	-13	-37.46	H
3.504500	55.22	Pk	32.9	-95.2	-47.11	-54.19	-13	-41.19	V
5.208300	81.37	Pk	34.5	-95.2	-49.2	-28.53	-13	-15.53	V
6.982500	55.13	Pk	35.7	-95.2	-46.69	-51.06	-13	-38.06	V
High Channel, 1770MHz									
3.557500	55.39	Pk	33	-95.2	-47.25	-54.06	-13	-41.06	H
5.283300	72.24	Pk	34.6	-95.2	-49.19	-37.55	-13	-24.55	H
7.070000	55.36	Pk	35.7	-95.2	-46.93	-51.07	-13	-38.07	H
3.562000	55.91	Pk	33	-95.2	-47.28	-53.57	-13	-40.57	V
5.283300	79.84	Pk	34.6	-95.2	-49.19	-29.95	-13	-16.95	V
7.037500	55.42	Pk	35.7	-95.2	-46.57	-50.65	-13	-37.65	V

BPSK 5G NR n66 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-05
Test Engineer:	25019 IG
Configuration:	EUT + Support Equipment
Mode	n66 BPSK 40MHz
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	79834 ACF (dB)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT	Margin (dB)	Polarity
Low Channel, 1730MHz									
3.4205000	54.10	Pk	32.8	-95.2	-46.89	-55.19	-13	-42.19	H
5.130000	55.82	Pk	34.4	-95.2	-49.20	-54.18	-13	-41.18	H
6.840000	52.96	Pk	35.6	-95.2	-46.54	-53.18	-13	-40.18	H
3.420500	53.11	Pk	32.8	-95.2	-46.89	-56.18	-13	-43.18	V
5.130000	54.55	Pk	34.4	-95.2	-49.20	-55.45	-13	-42.45	V
6.840000	52.07	Pk	35.6	-95.2	-46.54	-54.07	-13	-41.07	V
Mid Channel, 1745MHz									
3.450300	53.01	Pk	32.8	-95.2	-46.93	-56.32	-13	-43.32	H
5.175500	54.44	Pk	34.5	-95.2	-49.19	-55.45	-13	-42.45	H
6.900500	53.65	Pk	35.6	-95.2	-46.62	-52.57	-13	-39.57	H
3.450500	53.22	Pk	32.8	-95.2	-46.93	-56.11	-13	-43.11	V
5.175300	55.37	Pk	34.5	-95.2	-49.18	-54.51	-13	-41.51	V
6.900500	52.26	Pk	35.6	-95.2	-46.62	-53.96	-13	-40.96	V
High Channel, 1760MHz									
3.480500	53.48	Pk	32.8	-95.2	-47.06	-55.98	-13	-42.98	H
5.220500	56.00	Pk	34.5	-95.2	-49.22	-53.92	-13	-40.92	H
6.960500	52.04	Pk	35.7	-95.2	-46.61	-54.07	-13	-41.07	H
3.480500	52.60	Pk	32.8	-95.2	-47.06	-56.86	-13	-43.86	V
5.220500	54.31	Pk	34.5	-95.2	-49.22	-55.61	-13	-42.61	V
6.960500	53.42	Pk	35.7	-95.2	-46.61	-52.69	-13	-39.69	V

10.4.5. 5G NR n77 (Part 27 3450-3550MHz) HPUE

LIMITS

FCC: §27.53
Emission limits
(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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-08
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 3500MHz										
6.902000	49.01	RMS	35.9	-95.2	7.03	-44.52	-47.78	-13	-34.78	H
10.353100	44.06	RMS	37.8	-95.2	7.03	-42.37	-48.68	-13	-35.68	H
13.985300	42.55	RMS	39.4	-95.2	7.03	-41.59	-47.81	-13	-34.81	H
6.902100	51.26	RMS	35.9	-95.2	7.03	-44.52	-45.53	-13	-32.53	V
10.353100	49.01	RMS	37.8	-95.2	7.03	-42.37	-43.73	-13	-30.73	V
13.950700	42.54	RMS	39.4	-95.2	7.03	-41.61	-47.84	-13	-34.84	V

10.4.6. 5G NR n77 (Part 27 3700-3980MHz) HPUE

LIMITS

FCC: §27.53
(l) 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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-08
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3750MHz										
7.402100	50.65	RMS	35.4	-95.2	7.04	-44.69	-46.80	-13	-33.80	H
11.249600	41.46	RMS	37.7	-95.2	7.04	-41.95	-50.95	-13	-37.95	H
14.983000	41.76	RMS	40.5	-95.2	7.04	-40.90	-46.80	-13	-33.80	H
7.401900	55.45	RMS	35.4	-95.2	7.04	-44.69	-42.00	-13	-29.00	V
11.247800	41.57	RMS	37.7	-95.2	7.04	-41.91	-50.80	-13	-37.80	V
14.990900	41.61	RMS	40.4	-95.2	7.04	-40.82	-46.97	-13	-33.97	V
Mid Channel, 3840MHz										
7.582100	51.95	RMS	35.6	-95.2	7.04	-44.1	-44.71	-13	-31.71	H
11.511900	41.56	RMS	38.1	-95.2	7.04	-41.55	-50.05	-13	-37.05	H
15.369900	41.2	RMS	41.4	-95.2	7.04	-40.01	-45.57	-13	-32.57	H
7.582000	56.82	RMS	35.6	-95.2	7.04	-44.09	-39.83	-13	-26.83	V
11.466200	41.09	RMS	38	-95.2	7.04	-41.73	-50.80	-13	-37.8	V
15.381100	40.96	RMS	41.4	-95.2	7.04	-39.67	-45.47	-13	-32.47	V
High Channel, 3930MHz										
7.762200	52.94	RMS	35.7	-95.2	7.06	-44.14	-43.64	-13	-30.64	H
11.788400	40.59	RMS	38.6	-95.2	7.06	-40.98	-49.93	-13	-36.93	H
15.702400	41.29	RMS	41.4	-95.2	7.06	-40.19	-45.64	-13	-32.64	H
7.762100	56.88	RMS	35.7	-95.2	7.06	-44.14	-39.70	-13	-26.70	V
11.767300	40.64	RMS	38.6	-95.2	7.06	-40.89	-49.79	-13	-36.79	V
15.641900	41.56	RMS	41.5	-95.2	7.06	-40.47	-45.55	-13	-32.55	V

10.5. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 6

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02r02

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

RESULTS

10.5.1. LTE BAND 48 AND 5G NR n48

LIMITS

FCC: §96.41
(e) 3.5 GHz Emissions and Interference Limits—
(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz

QPSK LTE BAND 48 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-17
Test Engineer:	25196 CC
Configuration:	EUT + Support Equipment
Mode	LTE48 QPSK 20MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz										
7.132300	44.03	RMS	35.7	-95.2	4.06	-44.6	-56.01	-40	-16.01	H
10.678900	44.13	RMS	37.7	-95.2	4.06	-42.38	-51.69	-40	-11.69	H
14.201800	44.72	RMS	39.4	-95.2	4.06	-41.5	-48.52	-40	-8.52	H
7.139700	43.95	RMS	35.7	-95.2	4.06	-44.57	-56.06	-40	-16.06	V
10.693900	43.99	RMS	37.7	-95.2	4.06	-42.37	-51.82	-40	-11.82	V
14.214400	44.72	RMS	39.4	-95.2	4.06	-41.64	-48.66	-40	-8.66	V
Mid Channel, 3625MHz										
7.243800	44.31	RMS	35.6	-95.2	4.04	-44.28	-55.53	-40	-15.53	H
10.866500	43.58	RMS	37.7	-95.2	4.04	-41.95	-51.83	-40	-11.83	H
14.496700	45.02	RMS	39.8	-95.2	4.04	-41.31	-47.65	-40	-7.65	H
7.231200	44.46	RMS	35.6	-95.2	4.04	-44.33	-55.43	-40	-15.43	V
10.848200	45.94	RMS	37.7	-95.2	4.04	-41.93	-49.45	-40	-9.45	V
14.428600	42.53	RMS	39.7	-95.2	4.04	-40.67	-49.60	-40	-9.60	V
High Channel, 3690MHz										
7.382400	44.88	RMS	35.5	-95.2	4.01	-44.5	-55.31	-40	-15.31	H
11.039200	43.55	RMS	37.8	-95.2	4.01	-41.88	-51.72	-40	-11.72	H
14.733800	44.86	RMS	39.9	-95.2	4.01	-41.35	-47.78	-40	-7.78	H
7.381000	44.91	RMS	35.5	-95.2	4.01	-44.41	-55.19	-40	-15.19	V
1.104310	44.80	RMS	37.8	-95.2	4.01	-41.97	-50.56	-40	-10.56	V
14.730500	44.66	RMS	39.9	-95.2	4.01	-41.28	-47.91	-40	-7.91	V

BPSK 5G NR n48 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-16
Test Engineer:	32188 AC
Configuration:	EUT + Support Equipment
Mode	n48 BPSK 40MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3570MHz										
7.100800	42.82	RMS	35.4	-95.2	7.06	-44.81	-54.73	-40	-14.73	H
10.652000	42.81	RMS	38	-95.2	7.06	-42.73	-50.06	-40	-10.06	H
14.199100	42.33	RMS	39.4	-95.2	7.06	-41.56	-47.97	-40	-7.97	H
7.101900	42.89	RMS	35.4	-95.2	7.06	-44.76	-54.61	-40	-14.61	V
10.653300	44.45	RMS	38	-95.2	7.06	-42.61	-48.30	-40	-8.30	V
14.200600	42.17	RMS	39.4	-95.2	7.06	-41.54	-48.11	-40	-8.11	V
Mid Channel, 3625MHz										
7.213000	42.51	RMS	35.4	-95.2	7.13	-43.89	-54.05	-40	-14.05	H
10.818400	42.57	RMS	37.9	-95.2	7.13	-42.29	-49.89	-40	-9.89	H
14.419100	42.39	RMS	39.4	-95.2	7.13	-40.87	-47.15	-40	-7.15	H
7.212100	43.40	RMS	35.4	-95.2	7.13	-43.94	-53.21	-40	-13.21	V
10.818300	43.29	RMS	37.9	-95.2	7.13	-42.28	-49.16	-40	-9.16	V
14.422300	42.34	RMS	39.4	-95.2	7.13	-40.71	-47.04	-40	-7.04	V
High Channel, 3680MHz										
7.320000	42.70	RMS	35.4	-95.2	7.12	-44.47	-54.45	-40	-14.45	H
10.979800	41.52	RMS	37.8	-95.2	7.12	-41.51	-50.27	-40	-10.27	H
14.639400	42.05	RMS	39.7	-95.2	7.12	-41.05	-47.38	-40	-7.38	H
7.320700	42.69	RMS	35.4	-95.2	7.12	-44.47	-54.46	-40	-14.46	V
10.980300	41.39	RMS	37.8	-95.2	7.12	-41.47	-50.36	-40	-10.36	V
14.639400	42.14	RMS	39.7	-95.2	7.12	-41.05	-47.29	-40	-7.29	V

10.5.2. 5G NR n77 (Part 27 3450-3550MHz) HPUE

LIMITS

FCC: §27.53
Emission limits
(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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-04
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 3500MHz										
6.997900	42.56	RMS	35.6	-95.2	6.99	-44.03	-54.08	-13	-41.08	H
10.347100	41.79	RMS	37.8	-95.2	6.99	-42.22	-50.84	-13	-37.84	H
14.010000	42.20	RMS	39.4	-95.2	6.99	-41.07	-47.68	-13	-34.68	H
6.991300	42.40	RMS	35.6	-95.2	6.99	-43.98	-54.19	-13	-41.19	V
10.352900	43.18	RMS	37.8	-95.2	6.99	-42.38	-49.61	-13	-36.61	V
13.975500	42.38	RMS	39.4	-95.2	6.99	-41.38	-47.81	-13	-34.81	V

10.5.3. 5G NR n77 (Part 27 3700-3980MHz) HPUE

LIMITS

FCC: §27.53
(l) 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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-05
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3750MHz										
7.483700	42.39	RMS	35.5	-95.2	7	-44.43	-54.74	-13	-41.74	H
11.168000	41.37	RMS	37.7	-95.2	7	-41.94	-51.07	-13	-38.07	H
15.006800	41.31	RMS	40.5	-95.2	7	-40.72	-47.11	-13	-34.11	H
7.500900	42.51	RMS	35.5	-95.2	7	-44.4	-54.59	-13	-41.59	V
11.103200	44.99	RMS	37.8	-95.2	7	-42.08	-47.49	-13	-34.49	V
15.028300	41.09	RMS	40.6	-95.2	7	-40.2	-46.71	-13	-33.71	V
Mid Channel, 3840MHz										
7.682000	42.17	RMS	35.6	-95.2	7.05	-44.05	-54.43	-13	-41.43	H
11.378900	40.87	RMS	37.8	-95.2	7.05	-40.75	-50.23	-13	-37.23	H
15.440800	41.00	RMS	41.5	-95.2	7.05	-39.09	-44.74	-13	-31.74	H
7.638100	42.41	RMS	35.6	-95.2	7.05	-44.00	-54.14	-13	-41.14	V
11.373100	45.28	RMS	37.8	-95.2	7.05	-40.54	-45.61	-13	-32.61	V
15.441800	41.00	RMS	41.5	-95.2	7.05	-39.01	-44.66	-13	-31.66	V
High Channel, 3930MHz										
7.870000	42.15	RMS	35.8	-95.2	7.08	-44.06	-54.23	-13	-41.23	H
11.624700	40.77	RMS	38.4	-95.2	7.08	-41.63	-50.58	-13	-37.58	H
15.706800	41.24	RMS	41.4	-95.2	7.08	-40.05	-45.53	-13	-32.53	H
7.864600	42.07	RMS	35.8	-95.2	7.08	-43.99	-54.24	-13	-41.24	V
11.643100	46.92	RMS	38.5	-95.2	7.08	-41.65	-44.35	-13	-31.35	V
15.663800	41.40	RMS	41.5	-95.2	7.08	-40.63	-45.85	-13	-32.85	V

10.6. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 7

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02r02

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

RESULT

10.6.1. LTE BAND 48 AND 5G NR n48 (FCC)

LIMITS

FCC: §96.41
(e) 3.5 GHz Emissions and Interference Limits—
(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz.

QPSK LTE BAND 48 (20.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-19
Test Engineer:	32188 AC
Configuration:	EUT + Support Equipment
Mode	LTE48 QPSK 20MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz										
7.099700	42.80	RMS	35.4	-95.2	4.05	-44.79	-57.74	-40	-17.74	H
10.649200	42.96	RMS	38.0	-95.2	4.05	-42.68	-52.87	-40	-12.87	H
14.199500	42.45	RMS	39.4	-95.2	4.05	-41.57	-50.87	-40	-10.87	H
7.101000	42.8	RMS	35.4	-95.2	4.05	-44.81	-57.76	-40	-17.76	V
10.649500	42.95	RMS	38.0	-95.2	4.05	-42.68	-52.88	-40	-12.88	V
14.202100	42.52	RMS	39.4	-95.2	4.05	-41.49	-50.72	-40	-10.72	V
Mid Channel, 3625MHz										
7.230900	42.47	RMS	35.4	-95.2	4.05	-44.32	-57.60	-40	-17.6	H
10.847200	41.91	RMS	37.9	-95.2	4.05	-41.92	-53.26	-40	-13.26	H
14.459900	43.04	RMS	39.4	-95.2	4.05	-41.62	-50.33	-40	-10.33	H
7.229500	42.47	RMS	35.4	-95.2	4.05	-44.21	-57.49	-40	-17.49	V
10.847100	41.92	RMS	37.9	-95.2	4.05	-41.91	-53.24	-40	-13.24	V
14.459800	42.96	RMS	39.4	-95.2	4.05	-41.63	-50.42	-40	-10.42	V
High Channel, 3690MHz										
7.360200	42.62	RMS	35.4	-95.2	4.01	-44.51	-57.68	-40	-17.68	H
11.041200	42.03	RMS	37.8	-95.2	4.01	-41.85	-53.21	-40	-13.21	H
14.719400	42.33	RMS	39.8	-95.2	4.01	-41.07	-50.13	-40	-10.13	H
7.362400	42.68	RMS	35.4	-95.2	4.01	-44.53	-57.64	-40	-17.64	V
11.040400	41.94	RMS	37.8	-95.2	4.01	-41.85	-53.30	-40	-13.30	V
14.722300	42.26	RMS	39.8	-95.2	4.01	-41.23	-50.36	-40	-10.36	V

BPSK 5G NR n48 (40.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-02-16
Test Engineer:	32188 AC
Configuration:	EUT + Support Equipment
Mode	n48 BPSK 40MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3570MHz										
7.100700	42.81	RMS	35.4	-95.2	7.04	-44.81	-54.76	-40	-14.76	H
10.648300	42.88	RMS	38	-95.2	7.04	-42.66	-49.94	-40	-9.94	H
14.200500	42.25	RMS	39.4	-95.2	7.04	-41.55	-48.06	-40	-8.06	H
7.100600	42.8	RMS	35.4	-95.2	7.04	-44.81	-54.77	-40	-14.77	V
10.650900	42.79	RMS	38.0	-95.2	7.04	-42.67	-50.04	-40	-10.04	V
14.199500	42.21	RMS	39.4	-95.2	7.04	-41.57	-48.12	-40	-8.12	V
Mid Channel, 3625MHz										
7.208300	42.37	RMS	35.4	-95.2	7.07	-43.96	-54.32	-40	-14.32	H
10.813700	42.01	RMS	37.9	-95.2	7.07	-42.26	-50.48	-40	-10.48	H
14.420800	42.26	RMS	39.4	-95.2	7.07	-40.76	-47.23	-40	-7.23	H
7.211200	42.39	RMS	35.4	-95.2	7.07	-43.91	-54.25	-40	-14.25	V
10.817400	41.95	RMS	37.9	-95.2	7.07	-42.27	-50.55	-40	-10.55	V
14.419000	42.26	RMS	39.4	-95.2	7.07	-40.88	-47.35	-40	-7.35	V
High Channel, 3680MHz										
7.319900	42.66	RMS	35.4	-95.2	6.99	-44.47	-54.62	-40	-14.62	H
10.982200	41.38	RMS	37.8	-95.2	6.99	-41.37	-50.40	-40	-10.40	H
14.640800	42.01	RMS	39.7	-95.2	6.99	-40.98	-47.48	-40	-7.48	H
7.321900	42.69	RMS	35.4	-95.2	6.99	-44.57	-54.69	-40	-14.69	V
10.98100	41.38	RMS	37.8	-95.2	6.99	-41.42	-50.45	-40	-10.45	V
14.640800	41.97	RMS	39.7	-95.2	6.99	-40.98	-47.52	-40	-7.52	V

10.6.2. 5G NR n77 (Part 27 3450-3550MHz) HPUE

LIMITS

FCC: §27.53
Emission limits
(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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-04
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 3500MHz										
7.001100	42.64	RMS	35.6	-95.2	7.03	-44.08	-54.01	-13	-41.01	H
10.500200	41.88	RMS	37.9	-95.2	7.03	-41.9	-50.29	-13	-37.29	H
14.011900	42.35	RMS	39.4	-95.2	7.03	-41.13	-47.55	-13	-34.55	H
6.989500	42.44	RMS	35.6	-95.2	7.03	-43.93	-54.06	-13	-41.06	V
10.486200	41.77	RMS	37.9	-95.2	7.03	-42.29	-50.79	-13	-37.79	V
14.011900	42.35	RMS	39.4	-95.2	7.03	-41.13	-47.55	-13	-34.55	V

10.6.3. 5G NR n77 (Part 27 3700-3980MHz) HPUE

LIMITS

FCC: §27.53
(l) 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.

BPSK 5G NR n77 (100.0MHZ BANDWIDTH)

Project #:	15107843
Date:	2024-03-05
Test Engineer:	32934 IG
Configuration:	EUT + Support Equipment
Mode	N77 BPSK 100MHz
Chamber #:	04-RDE-T

Frequency (GHz)	Meter Reading (dBuV)	Det	80430 ACF (dB)	EIRP CF	DCCF (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3750MHz										
7.515900	42.41	RMS	35.5	-95.2	7.01	-44.31	-54.59	-13	-41.59	H
11.244500	41.53	RMS	37.7	-95.2	7.01	-41.92	-50.88	-13	-37.88	H
15.012900	41.54	RMS	40.5	-95.2	7.01	-40.70	-46.85	-13	-33.85	H
7.492500	42.45	RMS	35.5	-95.2	7.01	-44.38	-54.62	-13	-41.62	V
11.214700	41.25	RMS	37.7	-95.2	7.01	-41.80	-51.04	-13	-38.04	V
15.046900	41.57	RMS	40.6	-95.2	7.01	-40.06	-46.08	-13	-33.08	V
Mid Channel, 3840MHz										
7.690400	42.16	RMS	35.6	-95.2	7.02	-44.00	-54.42	-13	-41.42	H
11.535300	41.46	RMS	38.2	-95.2	7.02	-41.50	-50.02	-13	-37.02	H
15.378700	40.90	RMS	41.4	-95.2	7.02	-39.62	-45.50	-13	-32.50	H
7.670300	42.23	RMS	35.6	-95.2	7.02	-44.20	-54.55	-13	-41.55	V
11.529700	41.09	RMS	38.2	-95.2	7.02	-41.48	-50.37	-13	-37.37	V
15.387100	41.05	RMS	41.4	-95.2	7.02	-39.76	-45.49	-13	-32.49	V
High Channel, 3930MHz										
7.849700	42.14	RMS	35.7	-95.2	7.07	-43.99	-54.28	-13	-41.28	H
11.813900	40.57	RMS	38.6	-95.2	7.07	-41.34	-50.30	-13	-37.30	H
15.704000	41.16	RMS	41.4	-95.2	7.07	-40.13	-45.70	-13	-32.70	H
7.813400	42.07	RMS	35.7	-95.2	7.07	-44.17	-54.53	-13	-41.53	V
11.811500	40.51	RMS	38.6	-95.2	7.07	-41.28	-50.30	-13	-37.3	V
15.647000	41.45	RMS	41.5	-95.2	7.07	-40.46	-45.64	-13	-32.64	V

11. SETUP PHOTOS

Please refer to 15107843-EP1 for Setup Photo Report for setup photos.

END OF REPORT