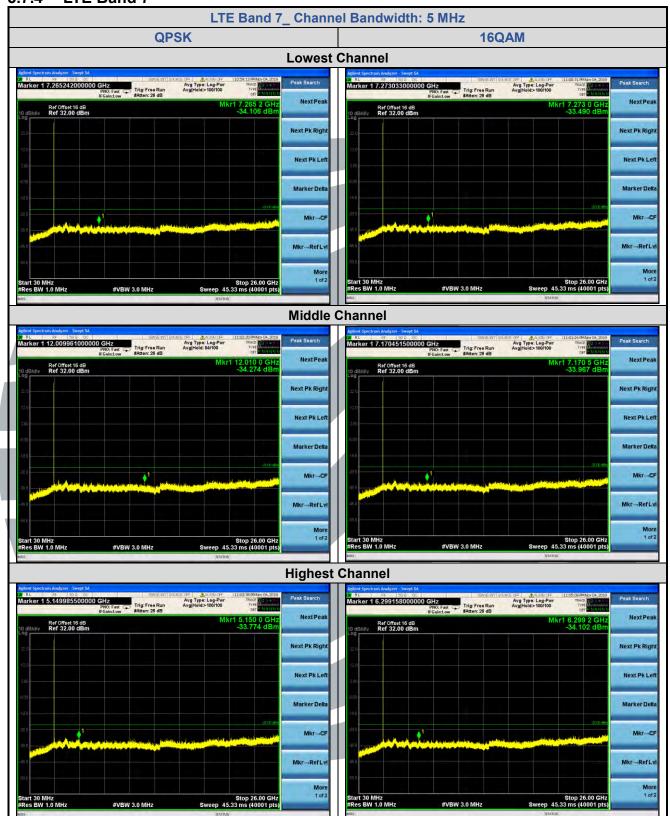
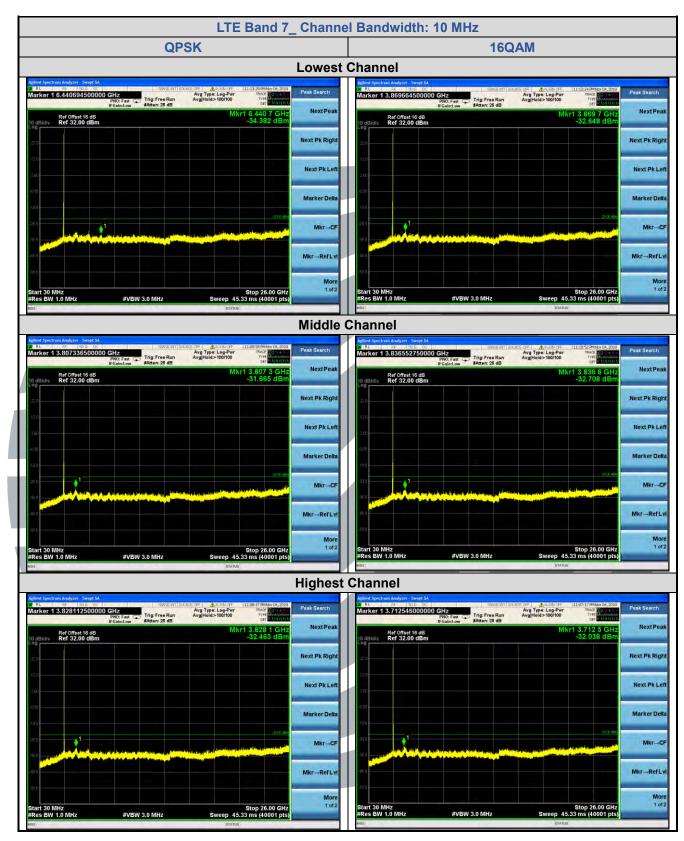




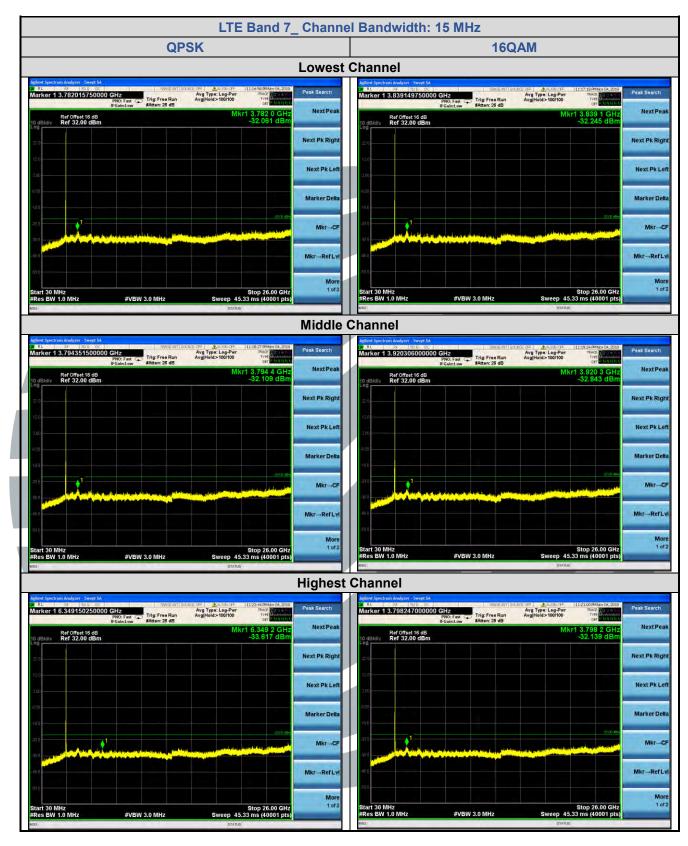
5.7.4 LTE Band 7



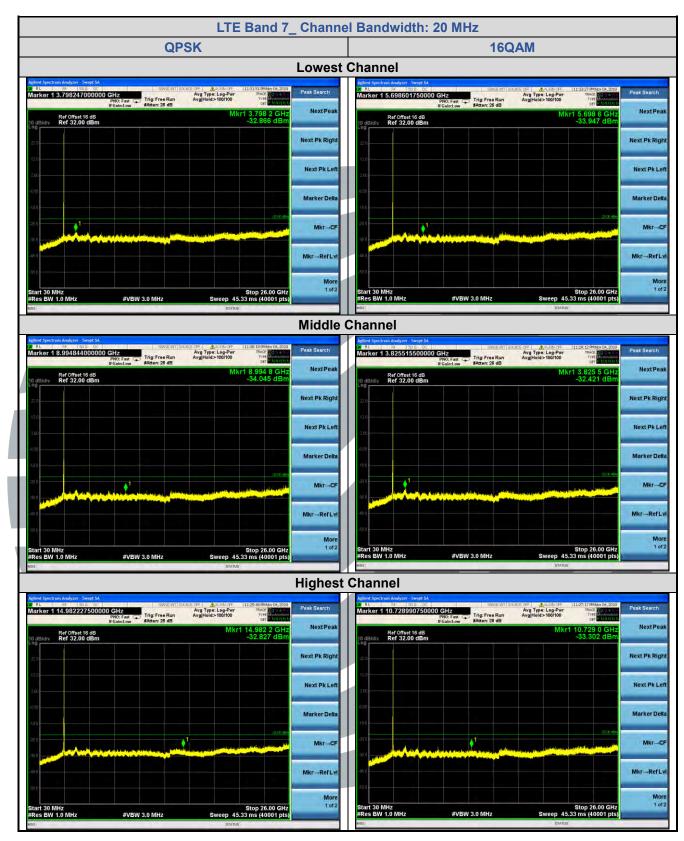






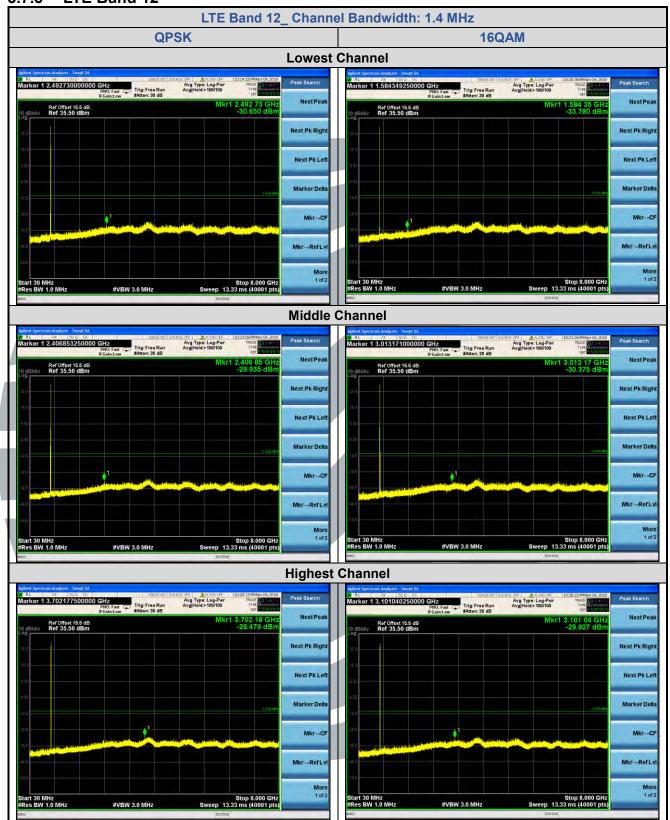




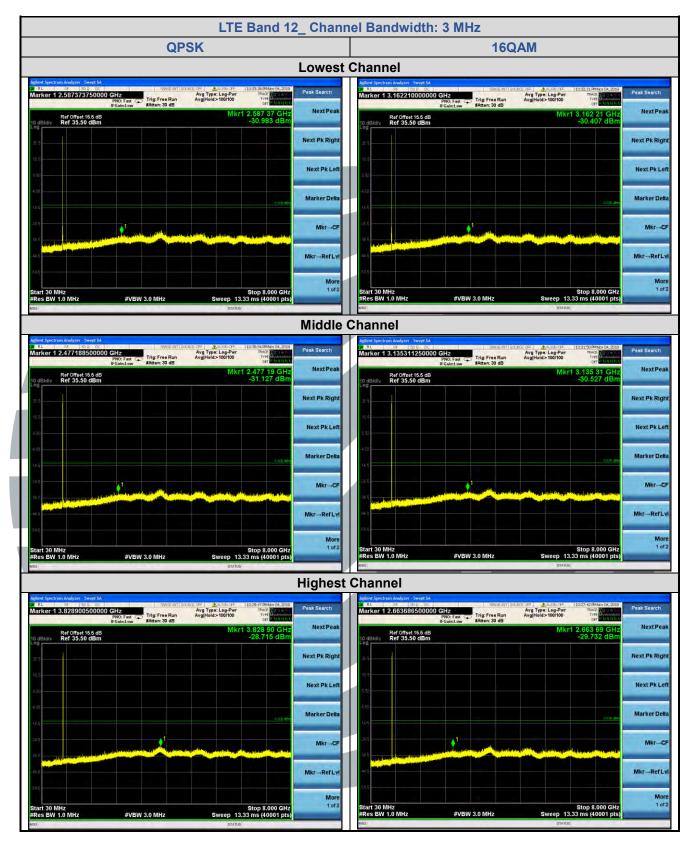




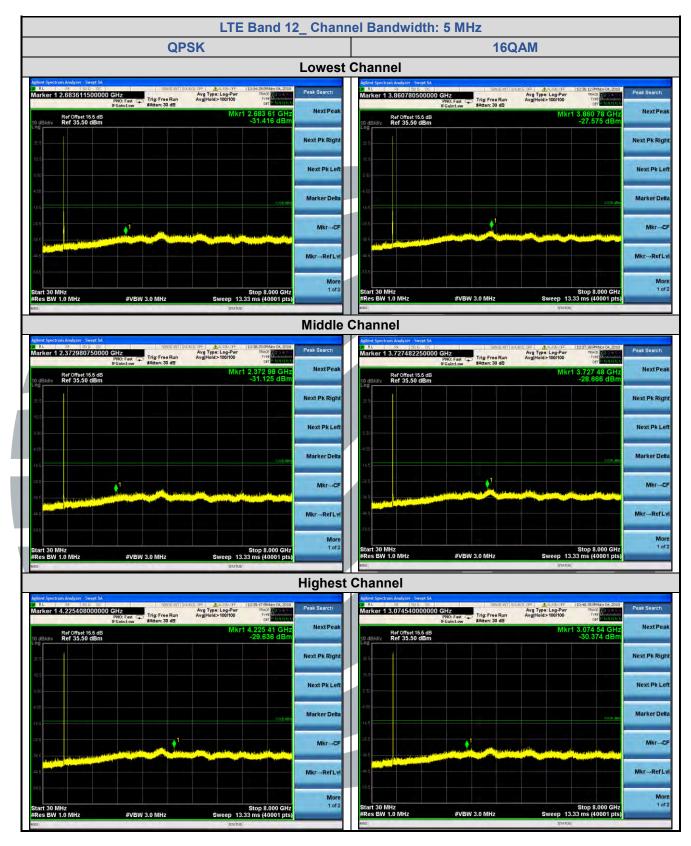
5.7.5 LTE Band 12



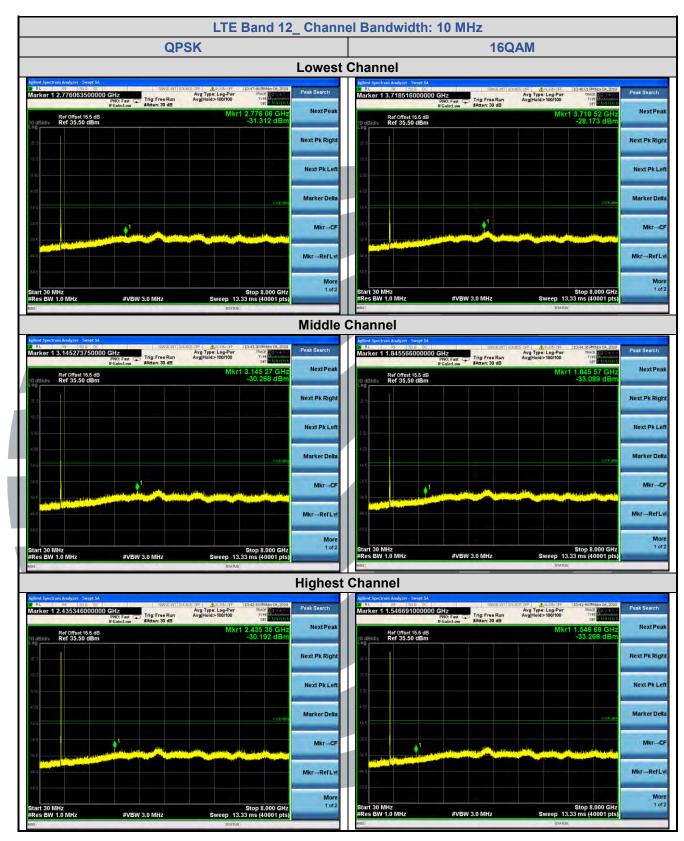






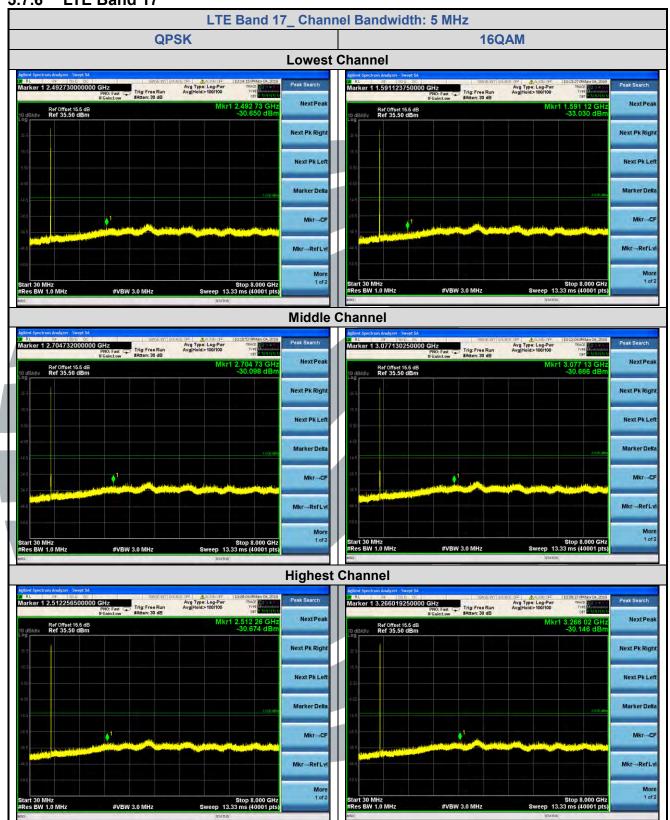




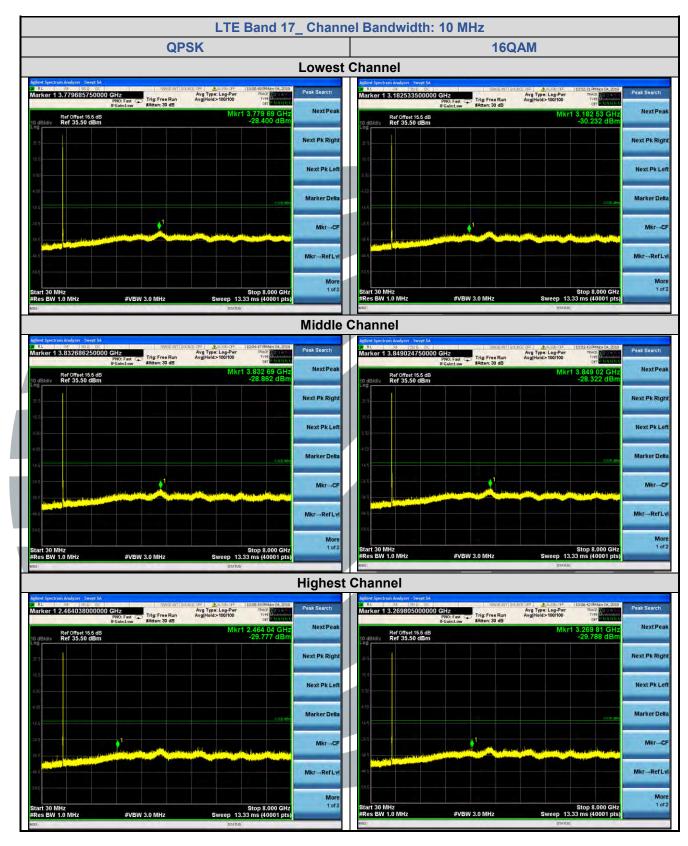




5.7.6 LTE Band 17









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5.8 FIELD STRENGTH OF SPURIOUS RADIATION

Test Requirement: LTE Band 2: FCC 47 CFR Part 24.238(a)

LTE Band 4: FCC 47 CFR Part 27.53(h)
LTE Band 5: FCC 47 CFR Part 22.917(a)
LTE Band 7: FCC 47 CFR Part 27.53(m)(4)
LTE Band 12: FCC 47 CFR Part 27.53(g)
LTE Band 17: FCC 47 CFR Part 27.53

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Receiver Setup:

Frequency	Detector	Detector RBW		Remark
0.009 MHz-30 MHz	Peak	10 kHz	30 KHz	Peak
30 MHz-1 GHz	MHz-1 GHz Quasi-peak 100 kHz 30		300 KHz	Peak
Above 1 GHz	Peak	1 MHz	3 MHz	Peak

Limits:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g), 27.53(c)(2), 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. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(m)(4):

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 55 + 10 log(P) dB. The emission limit equal to -25 dBm.

FCC 47 CFR Part 27.53:

(c) 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.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).

Test Setup: Refer to section 4.2.1 for details.

Test Procedures: KDB 971168 D01v03r01 Section 7

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:



Radiated Emission Test Data (30 MHz to 1 GHz)

5.8.1 LTE Band 2

			LTE Band 2	_ 20 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	35.762	-71.71	1.33	-70.38	-13.00	-57.38	Horizontal
2	97.002	-69.23	-2.26	-71.49	-13.00	-58.49	Horizontal
3	938.714	-80.93	14.55	-66.38	-13.00	-53.38	Horizontal
4	35.762	-71.33	1.33	-70.00	-13.00	-57.00	Vertical
5	97.002	-69.45	-2.26	-71.71	-13.00	-58.71	Vertical
6	945.334	-81.73	14.62	-67.11	-13.00	-54.11	Vertical
Middle	Channel						
1	97.002	-69.82	-2.26	-72.08	-13.00	-59.08	Horizontal
2	106.281	-69.60	-2.33	-71.93	-13.00	-58.93	Horizontal
3	992.997	-83.16	16.77	-66.39	-13.00	-53.39	Horizontal
4	97.002	-69.56	-2.26	-71.82	-13.00	-58.82	Vertical
5	106.281	-71.22	-2.33	-73.55	-13.00	-60.55	Vertical
6	992.997	-82.36	16.77	-65.59	-13.00	-52.59	Vertical
Highes	st Channel						
1	97.002	-70.13	-2.26	-72.39	-13.00	-59.39	Horizontal
2	106.281	-69.82	-2.33	-72.15	-13.00	-59.15	Horizontal
3	919.132	-82.12	13.88	-68.24	-13.00	-55.24	Horizontal
4	35.762	-73.40	1.33	-72.07	-13.00	-59.07	Vertical
5	97.002	-69.87	-2.26	-72.13	-13.00	-59.13	Vertical
6	760.287	-80.16	10.76	-69.40	-13.00	-56.40	Vertical



5.8.2 LTE Band 4

			LTE Band 4	_ 20 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	53.379	-71.59	-4.04	-75.63	-13.00	-62.63	Horizontal
2	637.795	-80.77	8.75	-72.02	-13.00	-59.02	Horizontal
3	992.997	-82.95	16.77	-66.18	-13.00	-53.18	Horizontal
4	47.703	-75.63	-3.49	-79.12	-13.00	-66.12	Vertical
5	97.002	-77.23	-2.26	-79.49	-13.00	-66.49	Vertical
6	392.738	-80.12	4.24	-75.88	-13.00	-62.88	Vertical
Middle	Channel						
1	54.135	-72.01	-4.21	-76.22	-13.00	-63.22	Horizontal
2	468.165	-79.72	5.41	-74.31	-13.00	-61.31	Horizontal
3	986.044	-82.94	16.43	-66.51	-13.00	-53.51	Horizontal
4	31.513	-81.10	4.56	-76.54	-13.00	-63.54	Vertical
5	744.427	-80.67	10.17	-70.50	-13.00	-57.50	Vertical
6	992.997	-82.10	16.77	-65.33	-13.00	-52.33	Vertical
Highes	st Channel						
1	54.135	-70.55	-4.21	-74.76	-13.00	-61.76	Horizontal
2	101.893	-75.75	-2.18	-77.93	-13.00	-64.93	Horizontal
3	938.714	-81.60	14.55	-67.05	-13.00	-54.05	Horizontal
4	30.855	-80.61	5.01	-75.60	-13.00	-62.60	Vertical
5	47.703	-75.46	-3.49	-78.95	-13.00	-65.95	Vertical
6	986.044	-82.53	16.43	-66.10	-13.00	-53.10	Vertical



5.8.3 LTE Band 5

			LTE Band 5	_ 10 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	170.189	-88.19	27.49	-60.70	-13.00	-47.70	Horizontal
2	353.447	-89.26	32.12	-57.14	-13.00	-44.14	Horizontal
3	620.117	-89.10	37.94	-51.16	-13.00	-38.16	Horizontal
4	334.126	-88.94	31.38	-57.56	-13.00	-44.56	Vertical
5	542.610	-87.81	35.99	-51.82	-13.00	-38.82	Vertical
6	698.804	-88.61	39.09	-49.52	-13.00	-36.52	Vertical
Middle	Channel						
1	322.590	-88.60	30.83	-57.77	-13.00	-44.77	Horizontal
2	523.876	-87.46	35.71	-51.75	-13.00	-38.75	Horizontal
3	760.287	-88.46	39.97	-48.49	-13.00	-35.49	Horizontal
4	278.331	-89.09	30.24	-58.85	-13.00	-45.85	Vertical
5	468.165	-87.77	34.50	-53.27	-13.00	-40.27	Vertical
6	665.261	-87.05	38.40	-48.65	-13.00	-35.65	Vertical
Highes	st Channel						
1	439.473	-87.98	34.12	-53.86	-13.00	-40.86	Horizontal
2	703.731	-87.78	39.07	-48.71	-13.00	-35.71	Horizontal
3	821.387	-87.23	40.25	-46.98	-13.00	-33.98	Horizontal
4	474.791	-87.97	34.64	-53.33	-13.00	-40.33	Vertical
5	651.383	-88.10	38.06	-50.04	-13.00	-37.04	Vertical
6	771.047	-87.32	39.98	-47.34	-13.00	-34.34	Vertical



5.8.4 LTE Band 7

	LIL Dalla I		LTE Band 7	_ 20 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	106.281	-78.37	-2.33	-80.70	-25.00	-55.70	Horizontal
2	436.396	-80.13	5.19	-74.94	-25.00	-49.94	Horizontal
3	992.997	-82.77	16.77	-66.00	-25.00	-41.00	Horizontal
4	97.002	-77.60	-2.26	-79.86	-25.00	-54.86	Vertical
5	346.074	-79.92	3.71	-76.21	-25.00	-51.21	Vertical
6	912.695	-81.34	13.47	-67.87	-25.00	-42.87	Vertical
Middle	Channel						
1	97.002	-78.09	-2.26	-80.35	-25.00	-55.35	Horizontal
2	760.287	-80.86	10.76	-70.10	-25.00	-45.10	Horizontal
3	938.714	-81.29	14.55	-66.74	-25.00	-41.74	Horizontal
4	31.735	-78.88	4.41	-74.47	-25.00	-49.47	Vertical
5	97.002	-76.78	-2.26	-79.04	-25.00	-54.04	Vertical
6	938.714	-81.03	14.55	-66.48	-25.00	-41.48	Vertical
Highes	st Channel						
1	30.639	-80.08	5.16	-74.92	-25.00	-49.92	Horizontal
2	97.002	-78.98	-2.26	-81.24	-25.00	-56.24	Horizontal
3	945.334	-81.69	14.62	-67.07	-25.00	-42.07	Horizontal
4	95.649	-74.88	-2.37	-77.25	-25.00	-52.25	Vertical
5	844.803	-80.48	11.55	-68.93	-25.00	-43.93	Vertical
6	979.139	-82.01	16.01	-66.00	-25.00	-41.00	Vertical



5.8.5 LTE Band 12

	LIL Dalla		LTE Band 12	2_ 10 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	264.971	-89.16	29.91	-59.25	-13.00	-46.25	Horizontal
2	368.668	-88.28	32.10	-56.18	-13.00	-43.18	Horizontal
3	684.226	-87.62	38.80	-48.82	-13.00	-35.82	Horizontal
4	106.281	-89.15	26.35	-62.80	-13.00	-49.80	Vertical
5	495.238	-89.48	35.21	-54.27	-13.00	-41.27	Vertical
6	679.435	-87.84	38.76	-49.08	-13.00	-36.08	Vertical
Middle	Channel						
1	243.543	-89.88	29.27	-60.61	-13.00	-47.61	Horizontal
2	430.305	-88.48	34.00	-54.48	-13.00	-41.48	Horizontal
3	660.602	-88.20	38.35	-49.85	-13.00	-36.85	Horizontal
4	254.031	-87.93	29.35	-58.58	-13.00	-45.58	Vertical
5	421.329	-88.79	33.62	-55.17	-13.00	-42.17	Vertical
6	684.226	-88.89	38.80	-50.09	-13.00	-37.09	Vertical
Highes	st Channel						
1	363.523	-88.80	32.08	-56.72	-13.00	-43.72	Horizontal
2	538.811	-87.12	35.99	-51.13	-13.00	-38.13	Horizontal
3	674.677	-87.39	38.61	-48.78	-13.00	-35.78	Horizontal
4	142.769	-87.37	27.06	-60.31	-13.00	-47.31	Vertical
5	360.977	-88.39	32.08	-56.31	-13.00	-43.31	Vertical
6	611.462	-87.93	37.83	-50.10	-13.00	-37.10	Vertical



LTE Band 17 5.8.6

	LTE Band 17_ 10 MHz_ QPSK										
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.				
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)					
Middle	Middle Channel										
1	240.144	-88.61	29.27	-59.34	-13.00	-46.34	Horizontal				
2	424.300	-88.95	33.75	-55.20	-13.00	-42.20	Horizontal				
3	660.602	-88.50	38.35	-50.15	-13.00	-37.15	Horizontal				
4	415.449	-88.99	33.46	-55.53	-13.00	-42.53	Vertical				
5	498.730	-88.35	35.36	-52.99	-13.00	-39.99	Vertical				
6	674.677	-87.47	38.61	-48.86	-13.00	-35.86	Vertical				

Remark:

- Correct Factor = Antenna Factor + Cable Loss Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
- Result = Reading + Correct Factor.
- Margin = Result Limit



Radiated Emission Test Data (Above 1 GHz)

5.8.7 LTE Band 2

			LTE Band 2	_ 20 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	3720.000	-60.61	13.80	-46.81	-13.00	-33.81	Horizontal
2	7440.000	-66.93	18.97	-47.96	-13.00	-34.96	Horizontal
3	5580.000	-57.68	16.87	-40.81	-13.00	-27.81	Vertical
4	7440.000	-57.85	18.41	-39.44	-13.00	-26.44	Vertical
Middle	Channel						
1	3760.000	-59.36	13.87	-45.49	-13.00	-32.49	Horizontal
2	5640.000	-67.93	16.10	-51.83	-13.00	-38.83	Horizontal
3	5640.000	-60.93	16.97	-43.96	-13.00	-30.96	Vertical
4	7520.000	-59.84	18.48	-41.36	-13.00	-28.36	Vertical
Highes	st Channel						
1	3800.000	-63.93	13.95	-49.98	-13.00	-36.98	Horizontal
2	5700.000	-67.34	16.28	-51.06	-13.00	-38.06	Horizontal
3	3800.000	-65.67	15.39	-50.28	-13.00	-37.28	Vertical
4	5700.000	-59.96	17.14	-42.82	-13.00	-29.82	Vertical





5.8.8 LTE Band 4

<u>5.0.0</u>	LIL Balla								
			LTE Band 4	_ 20 MHz_ QP	SK				
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.		
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)			
Lowes	Lowest Channel								
1	5160.000	-60.98	16.14	-44.84	-13.00	-31.84	Horizontal		
2	6880.000	-60.39	18.43	-41.96	-13.00	-28.96	Horizontal		
3	5160.000	-56.50	17.11	-39.39	-13.00	-26.39	Vertical		
4	6880.000	-54.10	18.25	-35.85	-13.00	-22.85	Vertical		
Middle	Channel								
1	5197.500	-62.73	16.21	-46.52	-13.00	-33.52	Horizontal		
2	6930.000	-58.72	18.33	-40.39	-13.00	-27.39	Horizontal		
3	5197.500	-55.86	17.17	-38.69	-13.00	-25.69	Vertical		
4	6930.000	-54.35	18.10	-36.25	-13.00	-23.25	Vertical		
Highe	st Channel								
1	5235.000	-68.76	16.20	-52.56	-13.00	-39.56	Horizontal		
2	6980.000	-63.09	18.22	-44.87	-13.00	-31.87	Horizontal		
3	5235.000	-62.57	17.16	-45.41	-13.00	-32.41	Vertical		
4	6980.000	-58.12	17.94	-40.18	-13.00	-27.18	Vertical		





5.8.9 LTE Band 5

			LTE Band 5	_ 10 MHz_ QP	SK		
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowes	t Channel						
1	1658.000	-70.18	2.47	-67.71	-13.00	-54.71	Horizontal
2	2487.000	-75.09	9.16	-65.93	-13.00	-52.93	Horizontal
3	1658.000	-68.71	4.14	-64.57	-13.00	-51.57	Vertical
4	2487.000	-73.95	11.48	-62.47	-13.00	-49.47	Vertical
Middle	e Channel						
1	1673.000	-71.02	2.59	-68.43	-13.00	-55.43	Horizontal
2	2509.500	-74.81	9.17	-65.64	-13.00	-52.64	Horizontal
3	1673.000	-68.17	4.31	-63.86	-13.00	-50.86	Vertical
4	2509.500	-73.85	11.46	-62.39	-13.00	-49.39	Vertical
Highes	st Channel						
1	1688.000	-69.43	2.71	-66.72	-13.00	-53.72	Horizontal
2	2532.000	-73.89	9.21	-64.68	-13.00	-51.68	Horizontal
3	1688.000	-69.72	4.49	-65.23	-13.00	-52.23	Vertical
4	2532.000	-74.49	11.46	-63.03	-13.00	-50.03	Vertical





5.8.10 LTE Band 7

	LIL Dalla /		LTE Band 7	_ 20 MHz_ QP	SK				
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.		
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)			
Lowes	Lowest Channel								
1	5020.000	-66.14	15.89	-50.25	-25.00	-25.25	Horizontal		
2	7530.000	-70.43	19.08	-51.35	-25.00	-26.35	Horizontal		
3	5020.000	-66.98	16.89	-50.09	-25.00	-25.09	Vertical		
4	7530.000	-71.04	18.48	-52.56	-25.00	-27.56	Vertical		
Middle	e Channel								
1	5070.000	-61.51	15.98	-45.53	-25.00	-20.53	Horizontal		
2	7605.000	-60.59	19.09	-41.50	-25.00	-16.50	Horizontal		
3	5070.000	-60.95	16.97	-43.98	-25.00	-18.98	Vertical		
4	7605.000	-57.11	18.47	-38.64	-25.00	-13.64	Vertical		
Highes	st Channel								
1	5121.000	-67.54	16.07	-51.47	-25.00	-26.47	Horizontal		
2	7680.000	-66.12	19.10	-47.02	-25.00	-22.02	Horizontal		
3	5120.000	-62.04	17.05	-44.99	-25.00	-19.99	Vertical		
4	7680.000	-66.15	18.47	-47.68	-25.00	-22.68	Vertical		





5.8.11 LTE Band 12

<u> </u>	LIL Dallu I									
			LTE Band 12	2_ 10 MHz_ QP	SK					
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.			
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)				
Lowes	Lowest Channel									
1	1408.000	-62.83	0.94	-61.89	-13.00	-48.89	Horizontal			
2	2112.000	-70.29	5.78	-64.51	-13.00	-51.51	Horizontal			
3	1408.000	-62.59	1.96	-60.63	-13.00	-47.63	Vertical			
4	2112.000	-71.59	8.54	-63.05	-13.00	-50.05	Vertical			
Middle	e Channel									
1	1415.000	-64.24	0.96	-63.28	-13.00	-50.28	Horizontal			
2	2122.500	-72.23	5.83	-66.40	-13.00	-53.40	Horizontal			
3	1415.000	-64.92	1.99	-62.93	-13.00	-49.93	Vertical			
4	2122.500	-71.08	8.58	-62.50	-13.00	-49.50	Vertical			
Highe	st Channel									
1	1422.000	-63.39	0.99	-62.40	-13.00	-49.40	Horizontal			
2	2133.000	-70.78	5.89	-64.89	-13.00	-51.89	Horizontal			
3	1422.000	-64.67	2.02	-62.65	-13.00	-49.65	Vertical			
4	2133.000	-72.74	8.63	-64.11	-13.00	-51.11	Vertical			

5.8.12 LTE Band 17

	LTE Band 17_ 10 MHz_ QPSK											
	No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.				
		(MHz)	(dBm)	m) (dB/m) (dBm) (dBm)	(dBm)	(dB)						
	Middle	Channel										
V	1	1420.000	-66.27	0.98	-65.29	-13.00	-52.29	Horizontal				
I	2	2130.000	-74.69	5.86	-68.83	-13.00	-55.83	Horizontal				
	3	1420.000	-63.70	2.01	-61.69	-13.00	-48.69	Vertical				
	4	2130.000	-71.97	8.60	-63.37	-13.00	-50.37	Vertical				

Test Requirement:

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5.9 FREQUENCY STABILITY

FCC 47 CFR Part 2.1055 &

FCC 47 CFR Part 22.355 &

FCC 47 CFR Part 24.235 & FCC 47 CFR Part 27.54,

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limits:

FCC 47 CFR Part 22.355, FCC 47 CFR Par 90.213

The carrier frequency shall not depart from the reference frequency in excess of ±2.5 ppm for mobile stations.

FCC 47 CFR Part 24.235, FCC 47 CFR Part 27.54

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

Test Setup: Refer to section 4.2.2 for details.

Test Procedures:

- 1) Use CMW 500 or CMU 200 with Frequency Error measurement capability.
 - a) Temp. = -30° to + 50° C
 - b) Voltage = low voltage, 3.45 Vdc, Normal, 3.85 Vdc and High voltage, 4.4 Vdc.
- 2) Frequency Stability vs Temperature:

The EUT is place 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.

3) Frequency Stability vs Voltage:

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

Equipment Used: Refer to section 3 for details.

Test Result: Pass

5.9.1 LTE Band 2

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Pass/ Fail
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
			_TE Band 2 / 20	MHz / Full RB			
		VL		-9	-0.0048		Pass
		VN	TN	-1	-0.0005	4	Pass
		VH		-20	-0.0106		Pass
			50	9	0.0048		Pass
	18900 /		40	7	0.0037		Pass
QPSK			30	6	0.0032	N/A	Pass
QFSK	1880.0		20	6	0.0032	IN/A	Pass
		VN	10	9	0.0048		Pass
			0	-20	-0.0106		Pass
			-10	14	0.0074		Pass
			-20	-10	-0.0053		Pass
			-30	7	0.0037		Pass



5.9.2 LTE Band 4

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Pass/ Fail
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
			LTE Band 4 / 20	MHz / Full RB			
		VL		9	0.0052		Pass
	20175 / 1732.5	VN	TN	11	0.0063	N/A	Pass
		VH	1	-4	-0.0023		Pass
			50	4	0.0023		Pass
			40	14	0.0081		Pass
QPSK			30	1	0.0006		Pass
QPSK			20	13	0.0075		Pass
			10	13	0.0075		Pass
			0	-11	-0.0063		Pass
			-10	4	0.0023		Pass
			-20	-3	-0.0017		Pass
			-30	-9	-0.0052		Pass

5.9.3 LTE Band 5

_					All the second s			
	Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
		(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
				_TE Band 5 / 10	MHz / Full RB			
			VL		-5	-0.0060	± 2.5	Pass
			VN VH	TN	-15	-0.0179	± 2.5	Pass
					8	0.0096	± 2.5	Pass
		20525 / 836.5		50	-8	-0.0096	± 2.5	Pass
				40	9	0.0108	± 2.5	Pass
	QPSK			30	20	0.0239	± 2.5	Pass
	QPSN	20020 / 000.0		20	6	0.0072	± 2.5	Pass
N			VN	10	-6	-0.0072	± 2.5	Pass
1				0	19	0.0227	± 2.5	Pass
				-10	5	0.0060	± 2.5	Pass
				-20	18	0.0215	± 2.5	Pass
				-30	-7	-0.0084	± 2.5	Pass



5.9.4 LTE Band 7

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
			LTE Band 7 / 20	MHz / Full RB			
		VL		-4	-0.0016		Pass
	21100 / 2535	VN	TN	-20	-0.0079	N/A	Pass
		VH		-6	-0.0024		Pass
		535 VN	50	-15	-0.0059		Pass
			40	6	0.0024		Pass
QPSK			30	7	0.0028		Pass
QPSK			20	5	0.0020		Pass
			10	19	0.0075		Pass
			0	-12	-0.0047		Pass
			-10	12	0.0047		Pass
			-20	17	0.0067		Pass
			-30	18	0.0071		Pass

5.9.5 LTE Band 12

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
		L	TE Band 12 / 1	0MHz / Full RE	3		
		VL		7	0.0099		Pass
		VN	TN	-2	-0.0028		Pass
	23095 / 707.5	VH		7	0.0099	N/A	Pass
		7707.5	50	-12	-0.0170		Pass
			40	-16	-0.0226		Pass
QPSK			30	16	0.0226		Pass
QFSK			20	20	0.0283		Pass
		VN	10	2	0.0028		Pass
			0	-6	-0.0085		Pass
			-10	-6	-0.0085		Pass
			-20	12	0.0170		Pass
			-30	10	0.0141		Pass



5.9.6 LTE Band 17

Modulation	Channel/ Frequency	Voltage	Temperature	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	,
		L	TE Band 13 / 1	0MHz / Full RE	3		
		VL		14	0.0179		Pass
	NN TN 17 0.0217 VH -16 -0.0205 50 -18 -0.0230 40 -9 -0.0115 30 8 0.0102 20 -12 -0.0153 VN 10 9 0.0115 0 4 0.0051 -10 -4 -0.0051 -20 -9 -0.0115	VN	TN	17	0.0217		Pass
		-0.0205		Pass			
			50	-18	-0.0230	N/A	Pass
			40	-9	-0.0115		Pass
QPSK			30	8	0.0102		Pass
QPSK			20	-12	-0.0153		Pass
			10	9	0.0115		Pass
			0	4	0.0051		Pass
			-10	-4	-0.0051		Pass
			-20	-9	-0.0115		Pass
			-30	-9	-0.0115		Pass





APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

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APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

