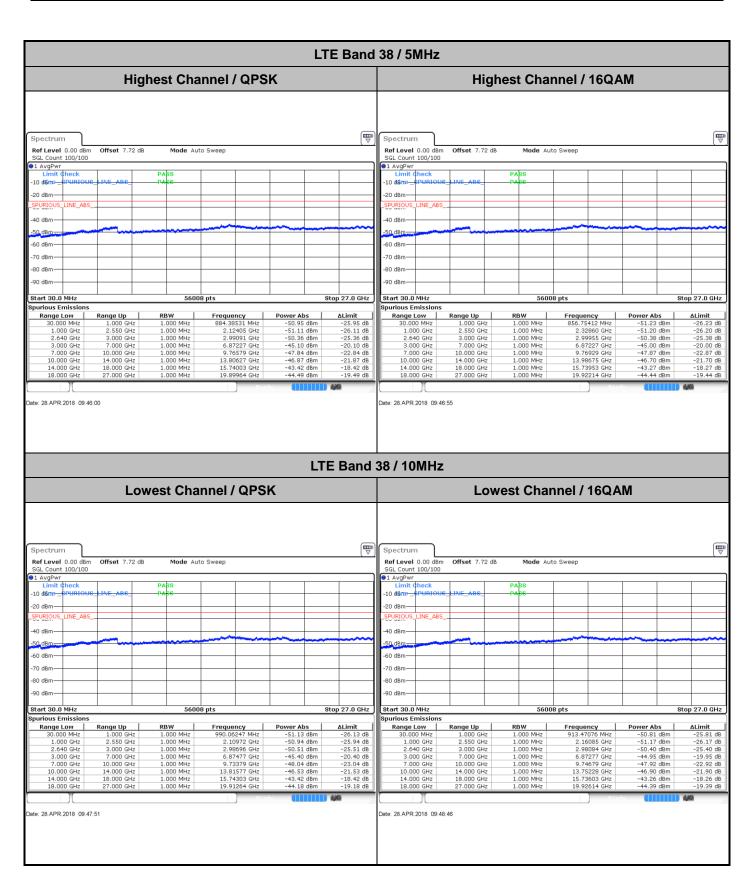


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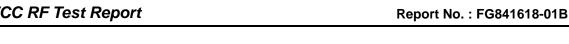
Report No.: FG841618-01B LTE Band 38 / 10MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Count 100/100 GL Count 100/100 20 dBm -20 dBm 50 dBm -60 dBm -60 dBm 70 dBn 80 dBm -80 dBm 90 dBm 90 dBm-Start 30.0 MH; 560 Stop 27.0 GHz Start 30.0 MHz 56008 Stop 27.0 GHz rious Emissio Spurious Emissions ALimit
-25.80 dB
-26.14 dB
-25.58 dB
-20.09 dB
-23.16 dB
-21.87 dB
-18.29 dB
-19.23 dB 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 905.71464 MHz 2.10700 GHz 2.97850 GHz Range Low 30,000 MH Range Up ΔLimit
-25.89 dB
-25.97 dB
-25.47 dB
-20.52 dB
-23.08 dB
-21.73 dB
-18.35 dB
-19.40 dB -50.80 dBm -51.14 dBm -50.58 dBm -45.09 dBm -48.16 dBm -46.87 dBm 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 27.000 GHz 1.000 MHz 1.000 GHZ 2.550 GHZ 3.000 GHZ 2.10468 GHz 2.99379 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz .000 GHz 13.79628 GHz 15.75103 GHz 19.92964 GHz .000 MH 10.000 GHz .000 MHz ate: 28.APR.2018 09:49:42 ate: 28.APR.2018 09:50:37 **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Count 100/100 GL Count 100/100 1 AvgPwr 'imit Check 1 AvgPv 20 dBm -20 dBm SPURIOU 40 dBm 40 dBm 50 dBm -60 dBm -60 dBm 70 dBm -70 dBm 80 dBm -80 dBm 90 dBm -90 dBm Stop 27.0 GHz Start 30.0 MHz Stop 27.0 GHz Start 30.0 MHz 56008 pts 56008 pts rious Emissio Spurious Emissions Power Abs
-50.79 dBm
-50.95 dBm
-50.43 dBm
-45.47 dBm
-48.03 dBm
-46.74 dBm
-43.32 dBm
-44.37 dBm Range Low ange Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz Frequency 931.40680 MHz 2.11165 GHz 2.99037 GHz 6.84277 GHz 9.78029 GHz 13.76178 GHz 15.73403 GHz 19.89664 GHz Range Low 30.000 MH 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz 35.76962 MHz 2.14729 GHz 2.99019 GHz 6.87877 GHz 9.75579 GHz 13.74528 GHz 15.72053 GHz 25.70282 GHz

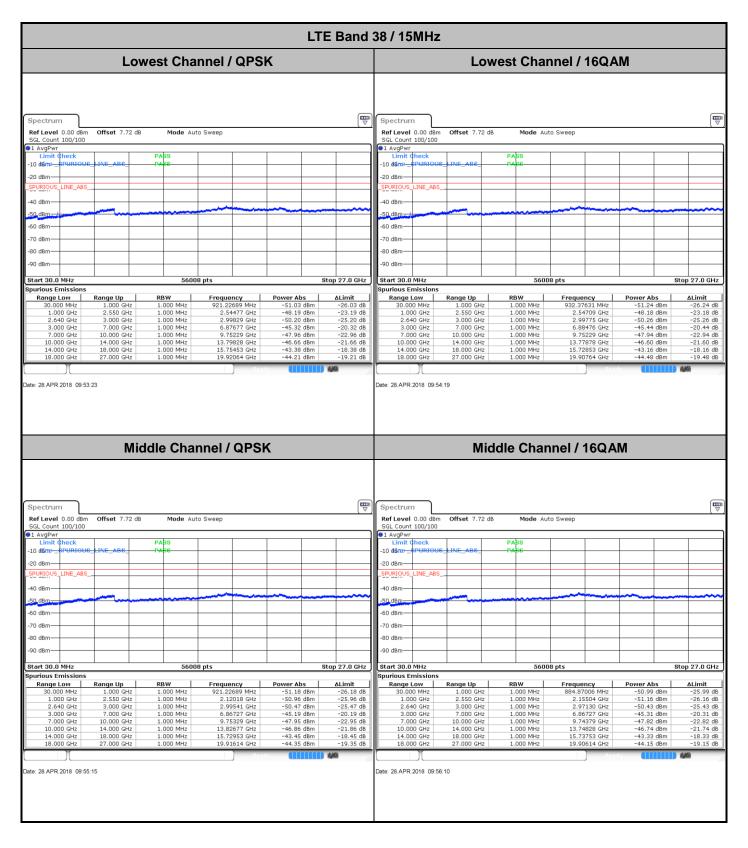
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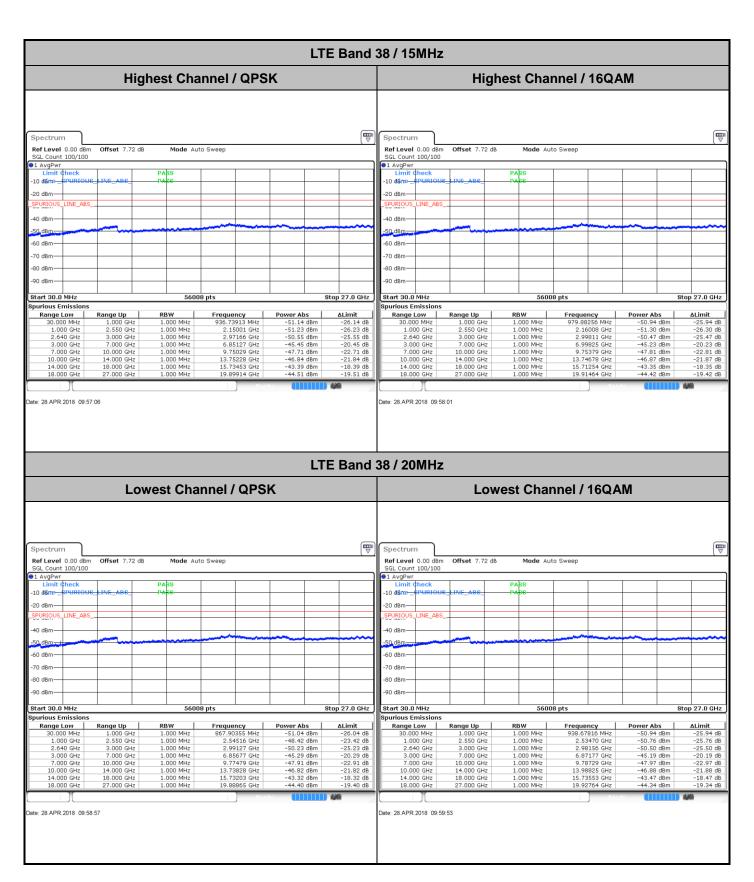
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Report No.: FG841618-01B LTE Band 38 / 20MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Count 100/100 GL Count 100/100 20 dBm -20 dBm 50 dBm -60 dBm -60 dBm 70 dBn 80 dBm -80 dBm 90 dBm 90 dBm Start 30.0 MH; 560 Stop 27.0 GHz Start 30.0 MHz 56008 Stop 27.0 GHz rious Emissio Spurious Emissions -51.04 dBm -45.49 dBm -50.55 dBm -45.00 dBm -47.93 dBm -46.74 dBm -43.18 dBm ΔLimit
-26.04 dB
-20.49 dB
-25.55 dB
-20.00 dB
-22.93 dB
-21.74 dB
-18.18 dB
-19.51 dB 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz Range Low 30,000 MH Range Up ΔLimit
-25.89 dB
-25.37 dB
-25.43 dB
-20.31 dB
-22.97 dB
-21.73 dB
-18.43 dB
-19.38 dB 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 27.000 GHz 1.000 MHz 55.64468 MHz 2.54981 GHz 2.99973 GHz 6.87977 GHz 9.74379 GHz 13.74278 GHz 14.44028 MHz 2.54981 GHz 2.98912 GHz 6.87277 GHz 9.75679 GHz 13.77878 GHz 15.73903 GHz 19.92314 GHz 1.000 GHZ 2.550 GHZ 3.000 GHZ 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz .000 GHz .000 MH 10.000 GHz .000 MHz ate: 28.APR.2018 10:00:49 ate: 28.APR.2018 10:01:44 **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Count 100/100 GL Count 100/100 1 AvgPwr 'imit Check 1 AvgPı 20 dBm -20 dBm SPURIOU 40 dBm 40 dBm 50.dBm -60 dBm -60 dBm 70 dBm -70 dBm 80 dBm -80 dBm 90 dBm -90 dBm 56008 pts Stop 27.0 GHz Start 30.0 MHz Stop 27.0 GHz Start 30.0 MHz 56008 pts rious Emissio Spurious Emissions -51.06 dBm -50.96 dBm -50.51 dBm -45.51 dBm -47.81 dBm -46.65 dBm -43.19 dBm -44.41 dBm -26.06 dB -25.96 dB -25.51 dB -20.51 dB -20.51 dB -22.81 dB -21.65 dB -18.19 dB -19.41 dB Range Low ange Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz Frequency 917.34883 MHz 2.15117 GHz 2.64063 GHz 6.86177 GHz 9.73629 GHz 13.83327 GHz 15.75103 GHz 19.91264 GHz Range Low 30.000 MH 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz

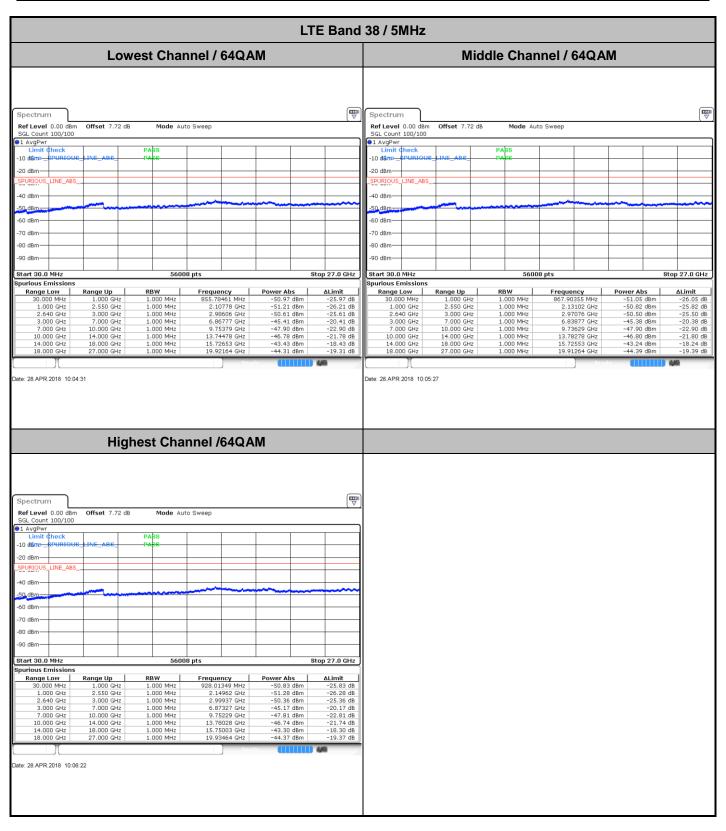
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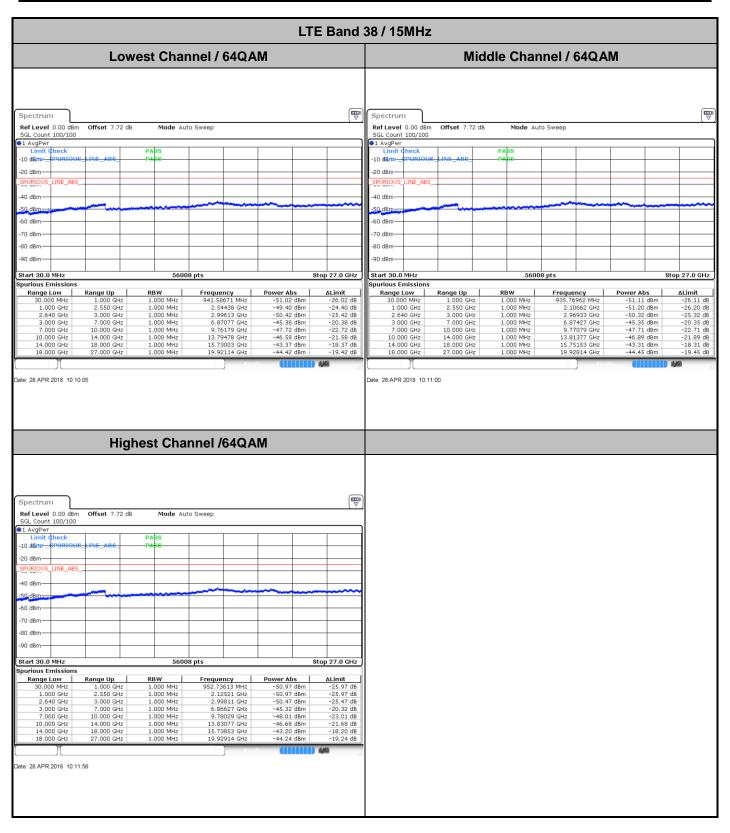
Report Template No.: BU5-FGLTE Version 2.0

LTE Band 38 / 10MHz Lowest Channel / 64QAM Middle Channel / 64QAM **E** Ref Level 0.00 dBm SGL Count 100/100 Ref Level 0.00 dBm SGL Count 100/100 Offset 7.72 dB Mode Auto Sweep Mode Auto Sweep ●1 AvgPwr 1 AvgPv -10 dane -10 d**S**m 20 dBm -20 dBm 40 dBm 40 dBm 60 dBm -60 dBm -70 dBm -70 dBm -80 dBm -80 dBm Stop 27.0 GHz Start 30.0 MHz Stop 27.0 GHz Start 30.0 MHz 56008 pts 56008 pts Frequency 914.44028 MHz 2.08647 GHz 2.95169 GHz 6.74828 GHz 9.76229 GHz 13.88826 GHz 15.75753 GHz 19.92564 GHz Power Abs
-50.83 dBm
-50.99 dBm
-50.49 dBm
-45.30 dBm
-48.01 dBm
-46.86 dBm
-43.31 dBm
-44.51 dBm Frequency 978.91304 MHz 2.15582 GHz 2.97599 GHz 6.86727 GHz 9.78679 GHz 13.78128 GHz 15.73753 GHz 19.89064 GHz 1.000 MHz Range Up Range Low Range Low Range Up Date: 28.APR.2018 10:07:18 Date: 28.APR.2018 10:08:14 **Highest Channel /64QAM** Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep GL Count 100/100 ●1 AvgPwr -10 diline 20 dBm 40 dBm -60 dBm -70 dBm 90 dBm Start 30.0 MHz Stop 27.0 GHz 929.46777 MHz 2.11165 GHz 2.99307 GHz 6.88876 GHz 9.76379 GHz 13.76478 GHz 15.72103 GHz 19.91414 GHz Power Abs
-50.53 dBm
-51.10 dBm
-50.47 dBm
-45.21 dBm
-47.92 dBm
-46.73 dBm
-43.37 dBm
-44.33 dBm Range Low 30.000 MHz Range Up 1.000 MHz RBW ΔLimit 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 27.000 GHz -25.53 dB -26.10 dB -25.47 dB -20.21 dB -22.92 dB -21.73 dB -18.37 dB -19.33 dB 30.000 MHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz ate: 28.APR.2018 10:09:09

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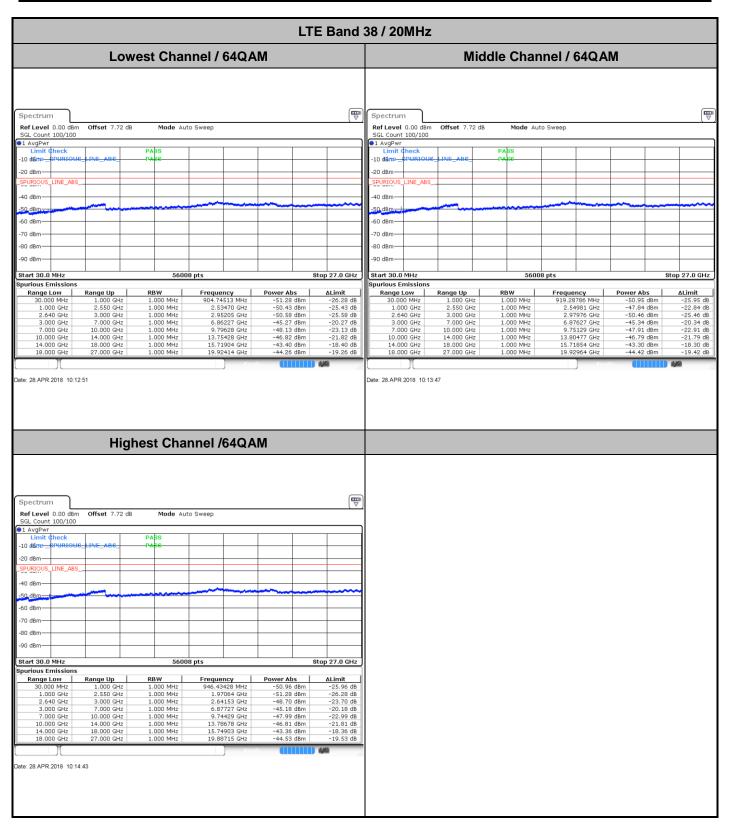
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# Frequency Stability

Test 0	Conditions	LTE Band 2 (QPSK) / Middle Channel	Limit
- ,	W 16	BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0026	
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0019	PASS
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0018	
20	Battery End Point	0.0023	

### Note:

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Test 0	Conditions	LTE Band 4 (QPSK) / Middle Channel	Limit
T	Vallana	BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0052	
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0115	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0115	PASS
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0179	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0104	

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Test (	Conditions	LTE Band 5 (QPSK) / Middle Channel	Limit
T	Walla wa	BW 10MHz	2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0051	
40	Normal Voltage	0.0061	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0047	PASS
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0050	
20	Battery End Point	0.0005	

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Test 0	Conditions	LTE Band 7 (QPSK) / Middle Channel	Limit
T	Valla va	BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0043	
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0083	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0099	
0	Normal Voltage	0.0130	
-10	Normal Voltage	0.0036	PASS
-20	Normal Voltage	0.0114	
-30	Normal Voltage	0.0142	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0126	

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Test C	Conditions	LTE Band 38 (QPSK) / Middle Channel	Limit
T	Valla va	BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0021	
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0002	PASS
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0019	

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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## **Appendix B. Test Results of Radiated Test**

## **Radiated Spurious Emission**

	LTE Band 2 / 1.4MHz / QPSK												
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3758.92	-56.51	-13	-43.51	-67.76	-63.75	5.36	12.60	Н				
	5638.38	-54.95	-13	-41.95	-70.83	-60.53	7.52	13.10	Н				
Middle	7517.84	-57.11	-13	-44.11	-75.43	-60.60	7.85	11.34	Н				
ivildale	3758.92	-59.45	-13	-46.45	-71.92	-66.69	5.36	12.60	V				
	5638.38	-60.20	-13	-47.20	-76.52	-65.78	7.52	13.10	V				
	7517.84	-60.22	-13	-47.22	-78.44	-63.71	7.85	11.34	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 2 / 3 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3757.48	-56.99	-13	-43.99	-68.24	-64.23	5.36	12.60	Н				
	5636.22	-55.49	-13	-42.49	-71.37	-61.07	7.52	13.10	Н				
N 4: al all a	7514.96	-56.93	-13	-43.93	-75.25	-60.42	7.85	11.34	Н				
Middle	3757.48	-58.40	-13	-45.40	-70.87	-65.64	5.36	12.60	V				
	5636.22	-59.65	-13	-46.65	-75.97	-65.23	7.52	13.10	V				
	7514.96	-60.67	-13	-47.67	-78.89	-64.16	7.85	11.34	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 2 / 5 MHz / QPSK												
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3755.68	-57.90	-13	-44.90	-69.15	-65.14	5.36	12.60	Н				
	5633.52	-52.47	-13	-39.47	-68.35	-58.05	7.52	13.10	Н				
NA: al all a	7511.36	-57.75	-13	-44.75	-76.07	-61.24	7.85	11.34	Н				
Middle	3755.68	-57.73	-13	-44.73	-70.2	-64.97	5.36	12.60	V				
	5633.52	-57.73	-13	-44.73	-74.05	-63.31	7.52	13.10	V				
	7511.36	-59.75	-13	-46.75	-77.97	-63.24	7.85	11.34	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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	LTE Band 2 / 10 MHz / QPSK												
Channel	Frequency (MHz)	EIRP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3751.18	-57.88	-13	-44.88	-69.13	-65.12	5.36	12.60	Н				
	5626.77	-53.02	-13	-40.02	-68.90	-58.60	7.52	13.10	Н				
N 4: al all a	7502	-56.71	-13	-43.71	-75.03	-60.20	7.85	11.34	Н				
Middle	3751.18	-57.15	-13	-44.15	-69.62	-64.39	5.36	12.60	V				
	5626.77	-56.74	-13	-43.74	-73.06	-62.32	7.52	13.10	V				
	7502	-59.84	-13	-46.84	-78.06	-63.33	7.85	11.34	V				

	LTE Band 2 / 15 MHz / QPSK												
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3746.68	-56.74	-13	-43.74	-67.99	-63.98	5.36	12.60	Н				
	5620.02	-55.43	-13	-42.43	-71.31	-61.01	7.52	13.10	Н				
N 4: al all a	7493.36	-57.22	-13	-44.22	-75.54	-60.71	7.85	11.34	Н				
Middle	3746.68	-58.95	-13	-45.95	-71.42	-66.19	5.36	12.60	V				
	5620.02	-60.13	-13	-47.13	-76.45	-65.71	7.52	13.10	V				
	7493.36	-59.67	-13	-46.67	-77.89	-63.16	7.85	11.34	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 2 / 20 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3742.18	-56.41	-13	-43.41	-67.66	-63.65	5.36	12.60	Н				
	5613.27	-55.28	-13	-42.28	-71.16	-60.86	7.52	13.10	Н				
Middle	7484.36	-57.50	-13	-44.50	-75.82	-60.99	7.85	11.34	Н				
Middle	3742.18	-59.22	-13	-46.22	-71.69	-66.46	5.36	12.60	V				
	5613.27	-60.24	-13	-47.24	-76.56	-65.82	7.52	13.10	V				
	7484.36	-60.34	-13	-47.34	-78.56	-63.83	7.85	11.34	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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	LTE Band 4 / 1.4 MHz / QPSK												
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3463.74	-56.47	-13	-43.47	-70.17	-64.44	4.63	12.60	Н				
	5195.61	-46.62	-13	-33.62	-64.55	-53.07	6.25	12.70	Н				
NA: el ell e	6927.48	-60.00	-13	-47.00	-79.62	-64.77	8.23	13.00	Н				
Middle	3463.74	-57.03	-13	-44.03	-68.44	-65.00	4.63	12.6	V				
	5195.61	-50.21	-13	-37.21	-63.82	-56.66	6.25	12.7	V				
	6927.48	-58.04	-13	-45.04	-77.16	-62.81	8.23	13	V				

	LTE Band 4 / 3 MHz / QPSK												
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3462.48	-56.85	-13	-43.85	-70.55	-64.82	4.63	12.60	Н				
	5193.72	-47.46	-13	-34.46	-65.39	-53.91	6.25	12.70	Н				
NA: el ell e	6924.96	-59.80	-13	-46.80	-79.42	-64.57	8.23	13.00	Н				
Middle	3462.48	-56.78	-13	-43.78	-68.19	-64.75	4.63	12.6	V				
	5193.72	-50.27	-13	-37.27	-63.88	-56.72	6.25	12.7	V				
	6924.96	-56.10	-13	-43.10	-75.22	-60.87	8.23	13	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 4 / 5 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3460.68	-57.83	-13	-44.83	-71.53	-65.80	4.63	12.60	Н				
	5191.02	-51.54	-13	-38.54	-69.47	-57.99	6.25	12.70	Н				
Middle	6921.36	-59.03	-13	-46.03	-78.65	-63.80	8.23	13.00	Н				
Middle	3460.68	-57.64	-13	-44.64	-69.05	-65.61	4.63	12.6	V				
	5191.02	-58.70	-13	-45.70	-72.31	-65.15	6.25	12.7	V				
	6921.36	-56.38	-13	-43.38	-75.5	-61.15	8.23	13	V				

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	LTE Band 4 / 10 MHz / QPSK												
Channel	Frequency (MHz)	EIRP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3456.18	-54.89	-13	-41.89	-68.59	-62.86	4.63	12.60	Н				
	5184.27	-54.32	-13	-41.32	-72.25	-60.77	6.25	12.70	Н				
Middle	6912.36	-58.48	-13	-45.48	-78.10	-63.25	8.23	13.00	Н				
Middle	3456.18	-56.03	-13	-43.03	-67.44	-64.00	4.63	12.6	V				
	5184.27	-59.75	-13	-46.75	-73.36	-66.20	6.25	12.7	V				
	6912.36	-56.09	-13	-43.09	-75.21	-60.86	8.23	13	V				

	LTE Band 4 / 15 MHz / QPSK													
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)					
	3451.68	-51.46	-13	-38.46	-65.16	-59.43	4.63	12.60	Н					
	5177.52	-46.25	-13	-33.25	-64.18	-52.70	6.25	12.70	Н					
NA: el ell e	6903.36	-59.62	-13	-46.62	-79.24	-64.39	8.23	13.00	Н					
Middle	3451.68	-52.39	-13	-39.39	-63.8	-60.36	4.63	12.6	V					
	5177.52	-51.36	-13	-38.36	-64.97	-57.81	6.25	12.7	V					
	6903.36	-56.76	-13	-43.76	-75.88	-61.53	8.23	13	V					

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 4 / 20 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	3447.18	-49.78	-13	-36.78	-63.48	-57.75	4.63	12.60	Н				
	5170.77	-47.46	-13	-34.46	-65.39	-53.91	6.25	12.70	Н				
NA: el el la	6894.36	-58.98	-13	-45.98	-78.60	-63.75	8.23	13.00	Н				
Middle	3447.18	-52.40	-13	-39.40	-63.81	-60.37	4.63	12.6	V				
	5170.77	-52.05	-13	-39.05	-65.66	-58.50	6.25	12.7	V				
	6894.36	-56.61	-13	-43.61	-75.73	-61.38	8.23	13	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

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	LTE Band 5 / 1.4 MHz / QPSK												
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	1671.92	-67.65	-13	-54.65	-69.36	-72.02	2.88	9.40	Н				
	2507.88	-57.03	-13	-44.03	-63.09	-62.98	2.5	10.60	Н				
N 4: al all a	3343.84	-70.10	-13	-57.10	-78.10	-75.92	4.63	12.60	Н				
Middle	1671.92	-70.88	-13	-57.88	-72.72	-75.25	2.88	9.40	V				
	2507.88	-62.94	-13	-49.94	-68.89	-68.89	2.50	10.60	V				
	3343.84	-70.06	-13	-57.06	-78.09	-75.88	4.63	12.60	V				

	LTE Band 5 / 3 MHz / QPSK												
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	1670.48	-66.09	-13	-53.09	-67.80	-70.46	2.88	9.40	Н				
	2505.72	-55.52	-13	-42.52	-61.58	-61.47	2.5	10.60	Н				
N 4: al all a	3340.96	-70.05	-13	-57.05	-78.05	-75.87	4.63	12.60	Н				
Middle	1670.48	-70.90	-13	-57.90	-72.74	-75.27	2.88	9.40	V				
	2505.72	-61.66	-13	-48.66	-67.61	-67.61	2.50	10.60	V				
	3340.96	-70.04	-13	-57.04	-78.07	-75.86	4.63	12.60	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 5 / 5 MHz / QPSK												
Channel	Frequency (MHz)	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	1668.68	-65.90	-13	-52.90	-67.61	-70.27	2.88	9.40	Н				
	2503.02	-57.94	-13	-44.94	-64.00	-63.89	2.5	10.60	Н				
Middle	3337.36	-70.08	-13	-57.08	-78.08	-75.90	4.63	12.60	Н				
Middle	1668.68	-69.85	-13	-56.85	-71.69	-74.22	2.88	9.40	V				
	2503.02	-63.70	-13	-50.70	-69.65	-69.65	2.50	10.60	V				
	3337.36	-69.96	-13	-56.96	-77.99	-75.78	4.63	12.60	V				

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	LTE Band 5 / 10 MHz / QPSK												
Channel	Frequency ( MHz )	ERP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	1664.18	-65.31	-13	-52.31	-67.02	-69.68	2.88	9.40	Н				
	2496.27	-55.73	-13	-42.73	-61.79	-61.68	2.5	10.60	Н				
Middle	3328.36	-69.99	-13	-56.99	-77.99	-75.81	4.63	12.60	Н				
Middle	1664.18	-69.20	-13	-56.20	-71.04	-73.57	2.88	9.40	V				
	2496.27	-62.00	-13	-49.00	-67.95	-67.95	2.50	10.60	V				
	3328.36	-69.99	-13	-56.99	-78.02	-75.81	4.63	12.60	V				

	LTE Band 7 / 5 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	5066	-57.76	-25	-32.76	-80.15	-65.52	4.94	12.70	Н				
	7599	-53.45	-25	-28.45	-80.35	-57.96	6.79	11.30	Н				
NA: al all a	10131	-53.65	-25	-28.65	-82.83	-57.89	7.86	12.10	Н				
Middle	5066	-58.66	-25	-33.66	-80.44	-66.42	4.94	12.70	V				
	7599	-55.82	-25	-30.82	-82.7	-60.33	6.79	11.30	V				
	10131	-56.43	-25	-31.43	-83.59	-60.67	7.86	12.10	V				

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

	LTE Band 7 / 10 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	5061	-57.62	-25	-32.62	-80.01	-65.38	4.94	12.70	Н				
	7592	-53.04	-25	-28.04	-79.94	-57.55	6.79	11.30	Н				
NA: al all a	10122	-53.63	-25	-28.63	-82.81	-57.87	7.86	12.10	Н				
Middle	5061	-57.67	-25	-32.67	-79.45	-65.43	4.94	12.70	V				
	7592	-55.31	-25	-30.31	-82.19	-59.82	6.79	11.30	V				
	10122	-56.32	-25	-31.32	-83.48	-60.56	7.86	12.10	V				

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	LTE Band 7 / 15 MHz / QPSK												
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)				
	5057	-56.84	-25	-31.84	-79.23	-64.60	4.94	12.70	Н				
	7585	-53.10	-25	-28.10	-80.00	-57.61	6.79	11.30	Н				
N 4: al all a	10113	-54.47	-25	-29.47	-83.65	-58.71	7.86	12.10	Н				
Middle	5057	-58.34	-25	-33.34	-80.12	-66.10	4.94	12.70	V				
	7585	-55.83	-25	-30.83	-82.71	-60.34	6.79	11.30	V				
	10113	-56.22	-25	-31.22	-83.38	-60.46	7.86	12.10	V				

LTE Band 7 / 20 MHz / QPSK										
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
	5052	-57.20	-25	-32.20	-79.59	-64.96	4.94	12.70	Н	
	7578	-54.63	-25	-29.63	-81.53	-59.14	6.79	11.30	Н	
NA: el el la	10104	-54.01	-25	-29.01	-83.19	-58.25	7.86	12.10	Н	
Middle	5052	-58.16	-25	-33.16	-79.94	-65.92	4.94	12.70	V	
	7578	-55.75	-25	-30.75	-82.63	-60.26	6.79	11.30	V	
	10104	-56.90	-25	-31.90	-84.06	-61.14	7.86	12.10	V	

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LTE Band 38/ 5 MHz / QPSK										
Channel	Frequency (MHz)	EIRP (dBm)	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
	5185.5	-55.96	-25	-30.96	-73.03	-62.81	6.25	13.10	Н	
	7778.3	-46.14	-25	-21.14	-67.01	-49.71	7.73	11.30	Н	
Middle	10371.0	-52.92	-25	-27.92	-79.02	-56.58	8.44	12.10	Н	
Middle	5185.5	-60.96	-25	-35.96	-77.7	-67.81	6.25	13.10	V	
	7778.3	-54.10	-25	-29.10	-74.64	-57.67	7.73	11.30	V	
	10371.0	-54.24	-25	-29.24	-78.53	-57.90	8.44	12.10	V	

LTE Band 38/ 10 MHz / QPSK										
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
Middle	5181.0	-57.53	-25	-32.53	-74.60	-64.38	6.25	13.10	Н	
	7771.5	-42.70	-25	-17.70	-63.57	-46.27	7.73	11.30	Н	
	10362.0	-53.21	-25	-28.21	-79.31	-56.87	8.44	12.10	Н	
	5181.0	-60.94	-25	-35.94	-77.68	-67.79	6.25	13.10	V	
	7771.5	-55.49	-25	-30.49	-76.03	-59.06	7.73	11.30	V	
	10362.0	-54.44	-25	-29.44	-78.73	-58.10	8.44	12.10	V	

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	LTE Band 38/ 15 MHz / QPSK											
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)			
Middle	5176.5	-58.36	-25	-33.36	-75.43	-65.21	6.25	13.10	Н			
	7764.8	-44.33	-25	-19.33	-65.20	-47.90	7.73	11.30	Н			
	10353.0	-52.97	-25	-27.97	-79.07	-56.63	8.44	12.10	Н			
	5176.5	-61.59	-25	-36.59	-78.33	-68.44	6.25	13.10	V			
	7764.8	-54.12	-25	-29.12	-74.66	-57.69	7.73	11.30	V			
	10353.0	-54.20	-25	-29.20	-78.49	-57.86	8.44	12.10	V			

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	LTE Band 38/ 20 MHz / QPSK										
Channel	Frequency (MHz)	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)		
	5172.0	-58.43	-25	-33.43	-75.50	-65.28	6.25	13.10	Н		
	7758.0	-43.77	-25	-18.77	-64.64	-47.34	7.73	11.30	Н		
N 4: al all a	10344.0	-53.63	-25	-28.63	-79.73	-57.29	8.44	12.10	Н		
Middle	5172.0	-59.86	-25	-34.86	-76.6	-66.71	6.25	13.10	V		
	7758.0	-56.37	-25	-31.37	-76.91	-59.94	7.73	11.30	V		
	10344.0	-55.86	-25	-30.86	-80.15	-59.52	8.44	12.10	V		

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