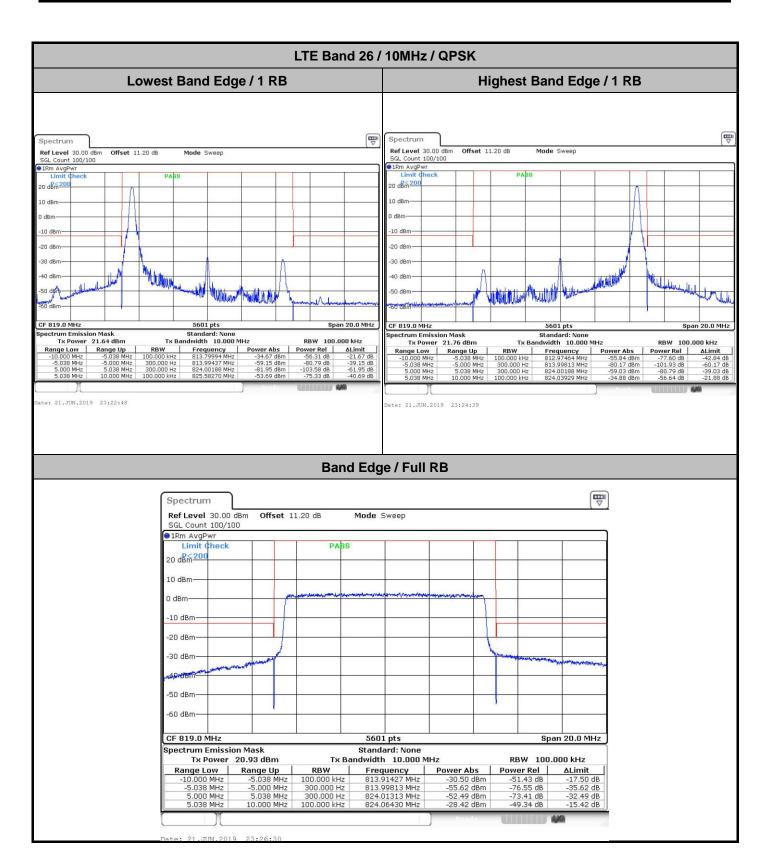
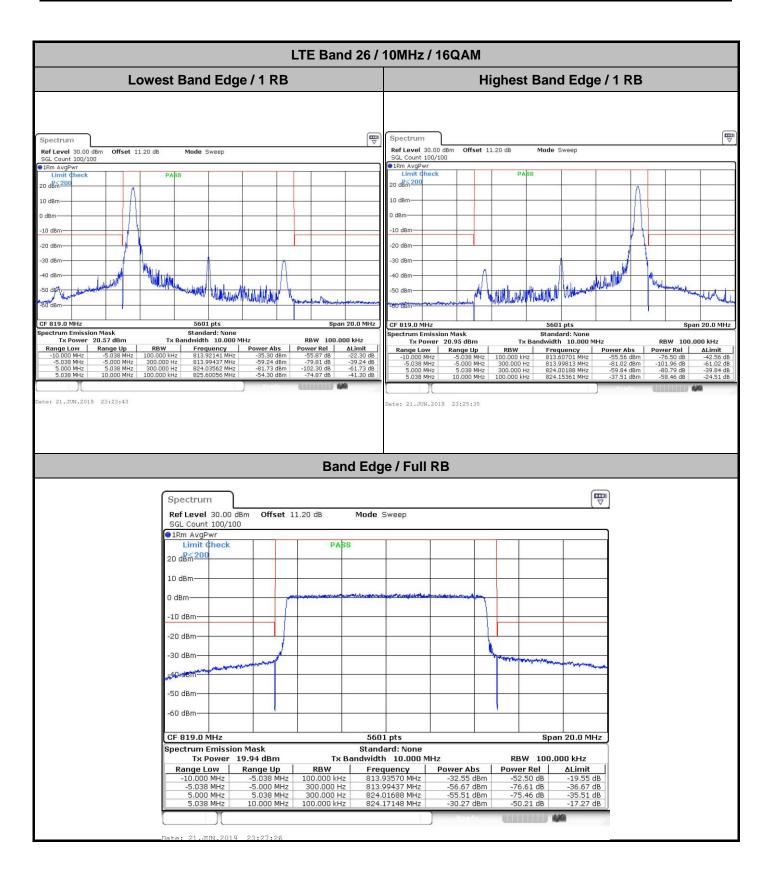


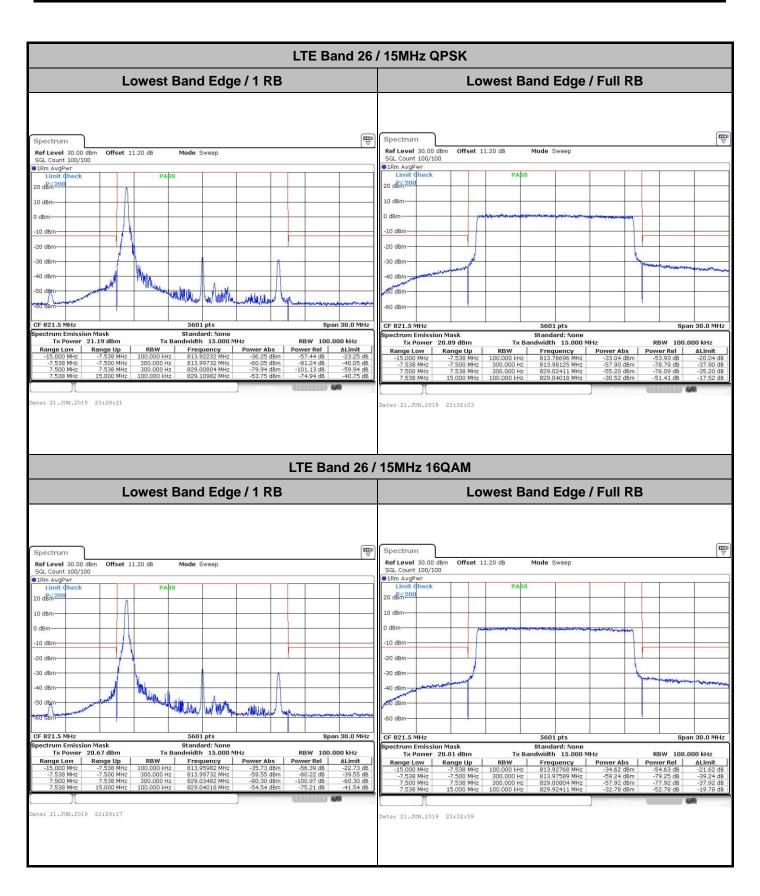
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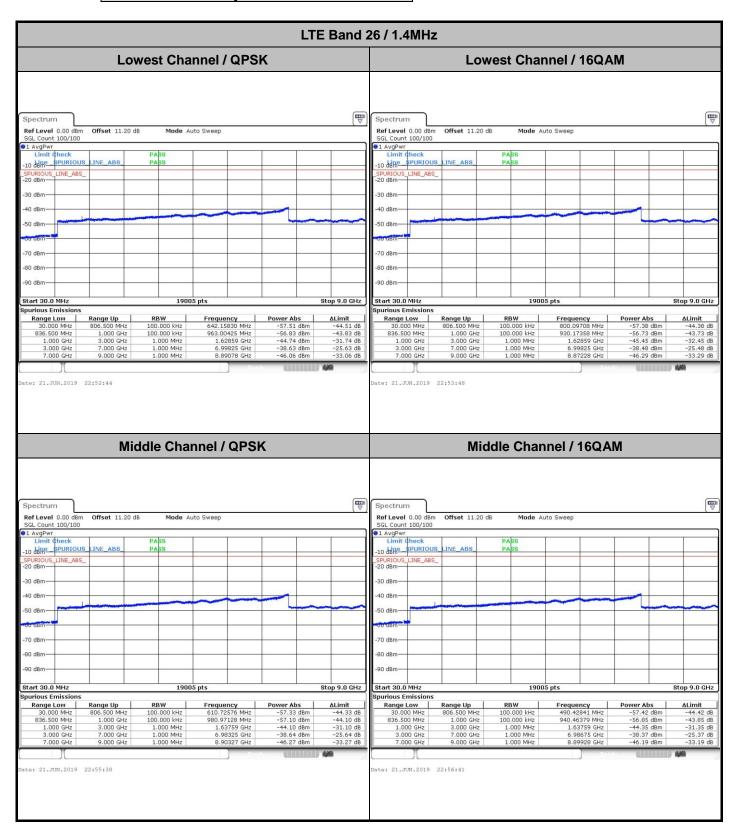


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Conducted Spurious Emission



Report No.: FG960640C

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LTE Band 26 / 1.4MHz Highest Channel / QPSK Highest Channel / 16QAM Spectrum Spectrum Offset 11.20 dB Mode Auto Sweep Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm Ref Level 0.00 dBm GL Count 100/100 SGL Count 100/100 1 AvgPwr Limit Check ●1 AvgPwr Limit ¢heck 10 dame SPURIOUS LINE ABS 10 dine SPURIOUS LINE ABS SPURIOUS LINE ABS 20 dBm OUS_LINE_ABS_ -30 dBm 30 dBm 40 dBm 90 dBm Start 30.0 MH Start 30.0 MH ious Emissi Spurious Emission RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Frequency
759.73926 MHz
956.30744 MH2
1.64609 GHz
6.99125 GHz
8.90777 GHz Frequency 485.38368 MHz 914.65659 MHz -57.39 dBm -56.87 dBm -44.12 dBm RBW 100.000 kHz 100.000 kHz 1.000 MHz -57.39 dBm -57.08 dBm -44.18 dBm Range Low 30.000 MHz Range Up 806.500 MHz ΔLimit -44.39 dB Range Low 30.000 MHz Range Up 806.500 MHz ΔLimit 1.000 GHz -43.87 dB -31.12 dB -25.66 dB -33.34 dB -44.08 dB -31.18 dB -25.80 dB -33.21 dB 836.500 MHz 1.000 GHz 3.000 GHz 1.64609 GHz 6.95126 GHz 8.90277 GHz 1.000 GHz 3.000 GHz 7.000 GHz -38.66 dBm -46.34 dBm 7.000 GHz 9.000 GHz 1.000 MHz 1.000 MHz -38.80 dBm -46.21 dBm ate: 21.JUN.2019 22:58:31 Date: 21.JUN.2019 22:59:34 LTE Band 26 / 3MHz Lowest Channel / QPSK **Lowest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep GL Count 100/100 SGL Count 100/100 ●1 AvgPwr Limit ¢heck 10 dine SPURIOUS LINE ABS -10 dem SPURIOUS LINE ABS SPURIOUS LINE_ABS_ 20 dBm LINE ABS -30 dBm 30 dBn -70 dBm 80 dBm -80 dBm 90 dBm Start 30.0 MHz Stop 9.0 GHz Start 30.0 MHz 19005 pts Stop 9.0 GHz 19005 pts Range Up RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs
-57.36 dBm
-56.80 dBm
-44.42 dBm
-38.50 dBm
-46.04 dBm -44.36 dB -43.80 dB -31.42 dB -25.50 dB -33.04 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Frequency 495.47314 MHz 973.13112 MHz 1.62859 GHz 6.99325 GHz 8.89528 GHz 713.17254 MHz 955.65410 MHz 1.62859 GHz ΔLimit Range Low 30,000 MH Range Low 30.000 MHz Range Up 806.500 MHz Power Abs -57.36 dBm 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 30.000 MHz 836.500 MHz 1.000 GHz 3.000 GHz 7.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz ate: 21.JUN.2019 23:34:49 Date: 21.JUN.2019 23:35:52

Report No.: FG960640C

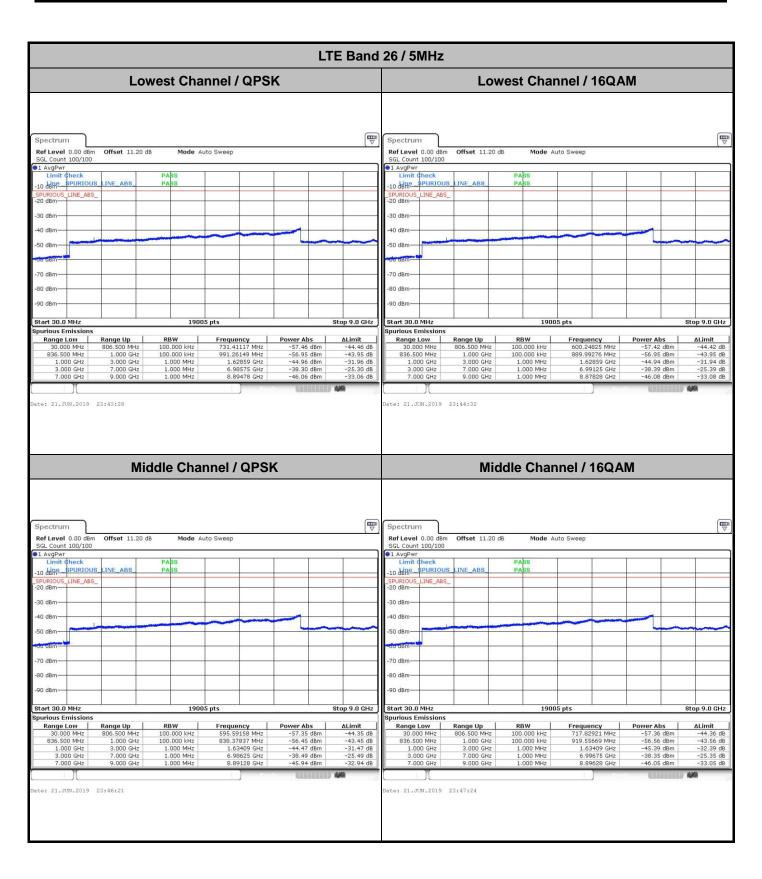
TEL: 886-3-327-3456 Page Number : A26S-23 of 29

LTE Band 26 / 3MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Offset 11.20 dB Mode Auto Sweep Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm Ref Level 0.00 dBm GL Count 100/100 SGL Count 100/100 1 AvgPwr Limit Check ●1 AvgPwr Limit ¢heck 10 dene SPURIOUS 10 dine SPURIOUS LINE ABS PURIOUS 20 dBm US_LINE_ABS_ _LINE_ABS_ -30 dBm 30 dBm 90 dBm Start 30.0 MH Start 30.0 MH ious Emissi Spurious Emission RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz ALimit
-44.41 dB
-43.47 dB
-31.18 dB
-25.46 dB
-33.01 dB Power Abs
-57.12 dBm
-56.92 dBm
-45.46 dBm
-38.54 dBm
-46.03 dBm Frequency 491.20452 MHz 841.31843 MHz -57.41 dBm -56.47 dBm -44.18 dBm RBW 100.000 kHz 100.000 kHz 1.000 MHz Range Low 30.000 MHz Range Up 806.500 MHz Range Low 30.000 MHz Range Up 806.500 MHz ∆Limit -44.12 dB 1.000 GHz 843.93182 MHz 1.63559 GHz 6.97525 GHz 8.90027 GHz 836.500 MHz 1.000 GHz 3.000 GHz 1.63609 GHz 6.97925 GHz 8.88778 GHz 1.000 GHz 3.000 GHz 7.000 GHz -38.46 dBm -46.01 dBm 7.000 GHz 9.000 GHz 1.000 MHz 1.000 MHz ate: 21.JUN.2019 23:37:42 ate: 21.JUN.2019 23:38:45 **Highest Channel / QPSK Highest Channel / 16QAM W** Spectrum Spectrum Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep SGL Count 100/100 1 AvgPwr Limit ¢heck SGL Count 100/100

1 AvgPwr
Limit ¢heck 10 dine SPURIOUS LINE ABS -10 dem SPURIOUS LINE ABS 20 dBm -30 dBm 40 dBm 50 dBm 50 dBm Start 30.0 MHz rious Emissions Spurious Emissions Range Up 806.500 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz ΔLimit
-44.43 dB
-44.03 dB
-31.71 dB
-25.37 dB
-33.18 dB Frequency 671.65055 MHz 979.66459 MHz 1.64259 GHz 6.99825 GHz -57.22 dBm -56.65 dBm -44.17 dBm -38.48 dBm Frequency 684.84445 MHz 992.07817 MHz 1.64259 GHz 6.99675 GHz 8.89028 GHz te: 21.JUN.2019 23:40:35 ate: 21.JUN.2019 23:41:38

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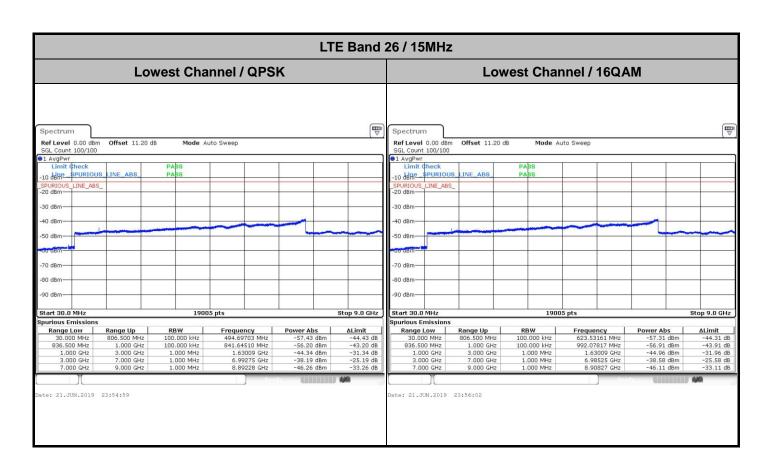


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LTE Band 26 / 5MHz **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm GL Count 100/100 SGL Count 100/100 1 AvgPwr Limit Check ●1 AvgPwr Limit ¢heck 10 dame SPURIOUS LINE ABS 10 dine SPURIOUS LINE ABS SPURIOUS LINE ABS 20 dBm US_LINE_ABS_ -30 dBm 30 dBm 90 dBm Start 30.0 MH Start 30.0 MH ious Emissi Spurious Emission RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Frequency 586.27824 MHz 946.83392 MHz 1.63909 GHz RBW 100.000 kHz 100.000 kHz 1.000 MHz -57.38 dBm -56.91 dBm -44.53 dBm Range Low 30.000 MHz Range Up 806.500 MHz -57.55 dBm Range Low 30.000 MHz Range Up 806.500 MHz ΔLimit 1.000 GHz -43.88 dB -31.21 dB -25.56 dB -32.91 dB 859.93881 MHz 1.63909 GHz 6.99525 GHz 8.88928 GHz -43.91 dB -31.53 dB -25.49 dB -33.22 dB 836.500 MHz -56.88 dBm -44.21 dBm 1.000 GHz 3.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz -38.56 dBm -45.91 dBm 7.000 GHz 9.000 GHz 1.000 MHz 1.000 MHz -38.49 dBm -46.22 dBm ate: 21.JUN.2019 23:49:14 Date: 21.JUN.2019 23:50:17 LTE Band 26 / 10MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 11.20 dB Mode Auto Sweep GL Count 100/100 SGL Count 100/100 ●1 AvgPwr Limit ¢heck 10 dine SPURIOUS LINE ABS -10 dem SPURIOUS LINE ABS SPURIOUS_LINE_ABS_ 20 dBm LINE ABS 30 dBn -30 dBm -70 dBm 80 dBm -80 dBm 90 dBm Start 30.0 MHz Stop 9.0 GHz Start 30.0 MHz 19005 pts Stop 9.0 GHz 19005 pts Range Up ∆Limit 44.43 RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Power Abs
-57.25 dBm
-56.84 dBm
-44.46 dBm
-38.64 dBm
-46.21 dBm ALimit
-44.25 dB
-43.84 dB
-31.46 dB
-25.64 dB
-33.21 dB RBW 100.000 kHz 100.000 kHz 1.000 MHz 1.000 MHz 1.000 MHz Frequency 644.09858 MHz 950.75400 MHz 1.62959 GHz 6.98225 GHz 8.88528 GHz Power Abs
-57.43 dBm
-57.00 dBm
-45.01 dBm
-38.63 dBm
-46.04 dBm Frequency 576.18878 MHz 995.83492 MHz 1.62959 GHz Range Low 30,000 MH Range Low 30.000 MHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz 30.000 MHz 836.500 MHz 1.000 GHz 3.000 GHz 7.000 GHz 1.000 GHz 3.000 GHz 7.000 GHz 9.000 GHz ate: 21.JUN.2019 23:52:06 Date: 21.JUN.2019 23:53:09

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Frequency Stability

Test 0	Conditions	LTE Band 26 (QPSK) / Middle Channel	Limit
- ,		BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0093	
40	Normal Voltage	0.0101	
30	Normal Voltage Normal Voltage	0.0018	
20(Ref.)		0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0060	
-10	Normal Voltage	0.0084	PASS
-20	Normal Voltage	0.0148	
-30	Normal Voltage	0.0126	
20	Maximum Voltage	0.0071	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0085	

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Note:

- 1. Normal Voltage =7.7 V.; Battery End Point (BEP) =6.8 V.; Maximum Voltage =8.8 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Test C	Conditions	LTE Band 26 (QPSK) / Low Channel	Limit
		BW 15MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0093	
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0133	
-10	Normal Voltage	0.0110	PASS
-20	Normal Voltage	0.0173	
-30	Normal Voltage	0.0181	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0054	

Note:

- 1. Normal Voltage =7.7 V.; Battery End Point (BEP) =6.8 V.; Maximum Voltage =8.8 V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

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Appendix B. Test Results of ERP and Radiated Test

ERP

<Reporting Only>

disporting only.											
LTE Band 26 / 15MHz (Channel 26765) (GT - LC = 0.5 dB)											
Channal	Mode	RB		Cond	lucted	ERP					
Channel	Ivioue	Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)				
Lowest	QPSK	1	37	22.89	0.19	21.24	0.13				
Middle		-	-	-	-	-	-				
Highest		-	-	-	-	-	-				
Lowest		1	0	21.38	0.14	19.73	0.09				
Middle	16QAM	-	-	-	-	-	-				
Highest		-	-	-	-	-	-				
Limit	ERP < 7W			Re	sult	PASS					

Radiated Spurious Emission

Part 90S LTE Band 26

Report No.: FG960640C

LTE Band 26 / 3MHz / 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)	
	1632	-63.33	-13	-50.33	-74.23	-69.12	0.68	8.63	Н	
	2448	-59.23	-13	-46.23	-75.07	-66.86	0.94	10.73	Н	
	3264	-57.66	-13	-44.66	-75.76	-66.10	1.19	11.78	Н	
Lowest									Н	
LOWEST	1632	-63.55	-13	-50.55	-74.31	-69.34	0.68	8.63	V	
	2448	-59.44	-13	-46.44	-75.33	-67.07	0.94	10.73	V	
	3264	-57.32	-13	-44.32	-75.37	-65.76	1.19	11.78	V	
									V	
	1640	-63.17	-13	-50.17	-74.11	-68.99	0.69	8.66	Н	
	2460	-58.87	-13	-45.87	-75.03	-66.52	0.95	10.74	Н	
	3280	-57.54	-13	-44.54	-75.6	-66.01	1.20	11.82	Н	
Middle									Н	
ivildale	1640	-63.57	-13	-50.57	-74.38	-69.39	0.69	8.66	V	
	2460	-59.30	-13	-46.30	-75.16	-66.95	0.95	10.74	V	
	3280	-57.59	-13	-44.59	-75.54	-66.06	1.20	11.82	V	
									V	
	1648	-63.16	-13	-50.16	-74.14	-69.01	0.69	8.69	Н	
	2472	-59.42	-13	-46.42	-75.26	-67.08	0.95	10.76	Н	
	3296	-57.51	-13	-44.51	-75.53	-66.01	1.20	11.85	Н	
Highest									Н	
	1648	-63.54	-13	-50.54	-74.4	-69.39	0.69	8.69	V	
	2472	-59.76	-13	-46.76	-75.6	-67.42	0.95	10.76	V	
	3296	-57.80	-13	-44.80	-75.66	-66.30	1.20	11.85	V	
									V	

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

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	LTE Band 26 / 10MHz / 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	1629	-63.41	-13	-50.41	-74.29	-69.19	0.68	8.62	Н		
	2443	-59.77	-13	-46.77	-75.6	-67.40	0.94	10.72	Н		
	3258	-57.72	-13	-44.72	-75.84	-66.15	1.19	11.77	Н		
									Н		
	1629	-63.80	-13	-50.80	-74.54	-69.58	0.68	8.62	V		
	2443	-59.51	-13	-46.51	-75.41	-67.14	0.94	10.72	V		
	3258	-57.74	-13	-44.74	-75.84	-66.17	1.19	11.77	V		
									V		

	LTE Band 26 / 15MHz / 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)		
Lowest	1643	-63.63	-13	-50.63	-74.59	-69.46	0.69	8.67	Н		
	2464	-59.96	-13	-46.96	-75.79	-67.61	0.95	10.75	Н		
	3286	-57.60	-13	-44.60	-75.65	-66.08	1.20	11.83	Н		
									Н		
	1643	-63.90	-13	-50.90	-74.73	-69.73	0.69	8.67	V		
	2464	-59.71	-13	-46.71	-75.55	-67.36	0.95	10.75	V		
	3286	-57.64	-13	-44.64	-75.55	-66.12	1.20	11.83	V		
									V		

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