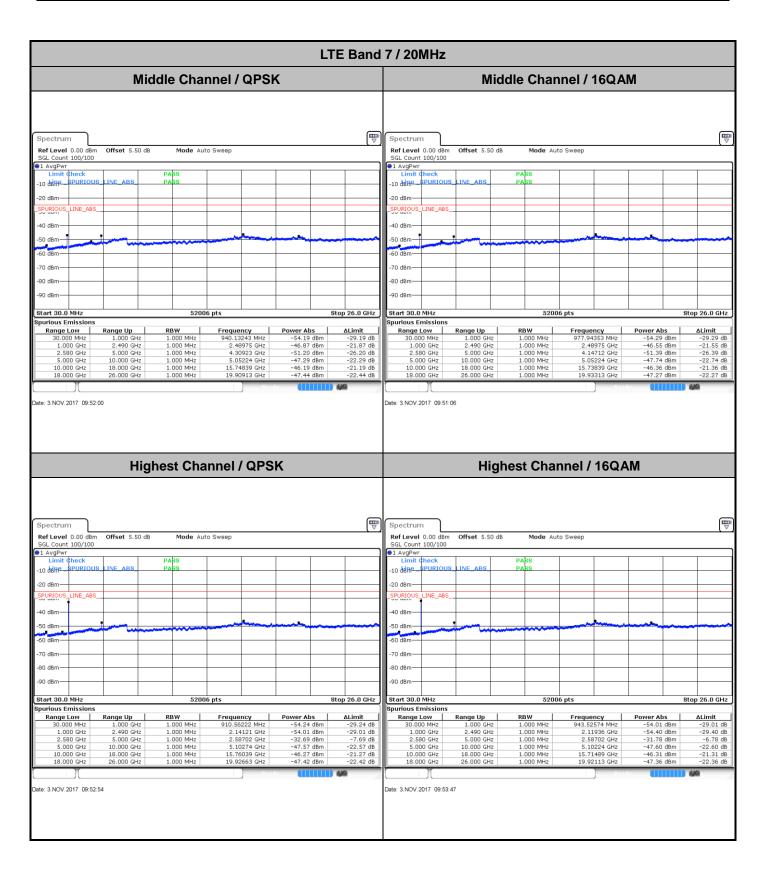


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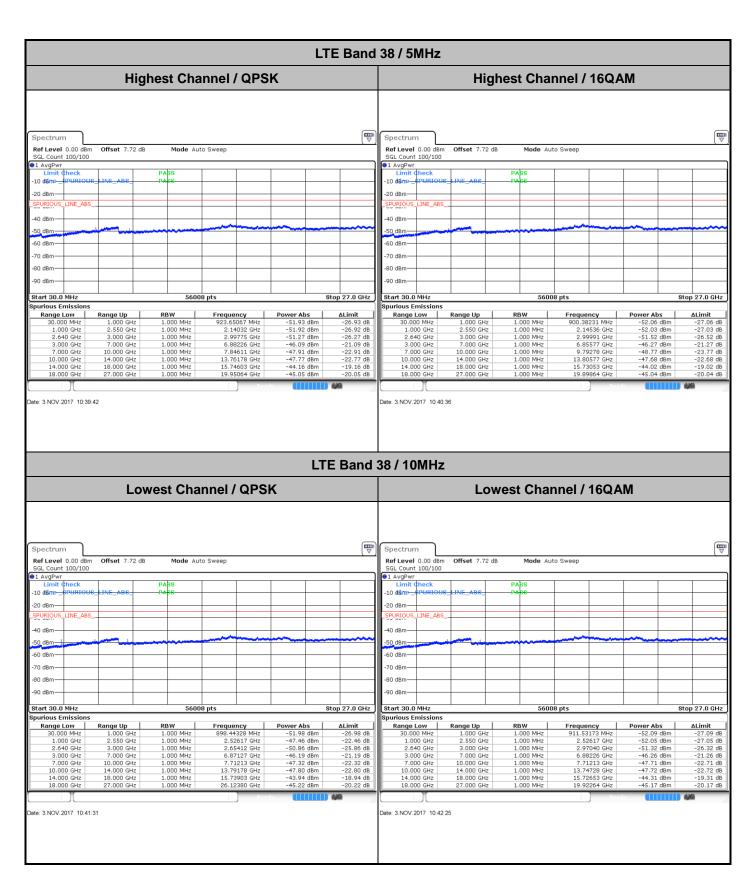
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LTE Band 38 / 5MHz **Lowest Channel / QPSK Lowest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.72 dB Mode Auto Sweep GL Count 100/100 SGL Count 100/100 ●1 AvgPwr 20 dBm -20 dBm -50 dBm -50 dBm -60 dBm -60 dBm 70 dBm -70 dBm 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 Emission Spurious Emissions ΔLimit
-26.97 dB
-27.06 dB
-26.16 dB
-21.22 dB
-22.48 dB
-22.64 dB
-19.10 dB
-20.16 dB 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 1.000 MHz 876.62919 MHz 2.16085 GHz 2.98984 GHz 6.87427 GHz 7.71113 GHz 13.79728 GHz 907.65367 MHz 2.46729 GHz 2.98408 GHz Range Low 30,000 MH Range Up Range Low 30,000 MH; ΔLimit
-27.01 dB
-27.27 dB
-26.45 dB
-21.30 dB
-23.20 dB
-22.75 dB
-19.17 dB
-20.18 dB -51.97 dBm -52.06 dBm -51.16 dBm -46.22 dBm -47.48 dBm -47.64 dBm -52.01 dBm -52.27 dBm -51.45 dBm -46.30 dBm -48.20 dBm -47.75 dBm -44.17 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 2.640 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 13.73628 GHz 15.75503 GHz 19.93414 GHz 10.000 GHz .000 MHz ate: 3.NOV.2017 10:36:03 ate: 3.NOV.2017 10:36:58 Middle Channel / 16QAM Middle Channel / QPSK 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 Emission Spurious Emissions -52.02 dBm -52.05 dBm -51.06 dBm -46.34 dBm -48.75 dBm -47.69 dBm -44.17 dBm -44.96 dBm Frequency 960.49225 MHz 2.14458 GHz 2.99487 GHz 6.88276 GHz 9.73929 GHz 13.80627 GHz 15.75403 GHz 19.93314 GHz 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 Range Low 30.000 MHz 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz -26.99 dB -27.22 dB -26.11 dB -21.13 dB -23.82 dB -22.56 dB -19.05 dB -19.99 dB ate: 3.NOV.2017 10:37:52

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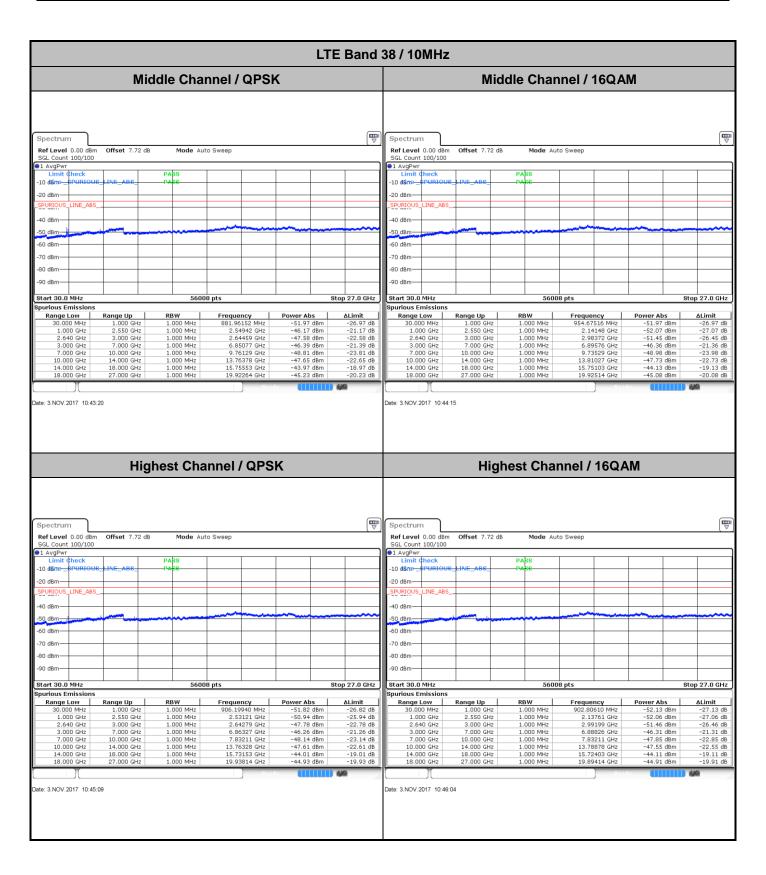
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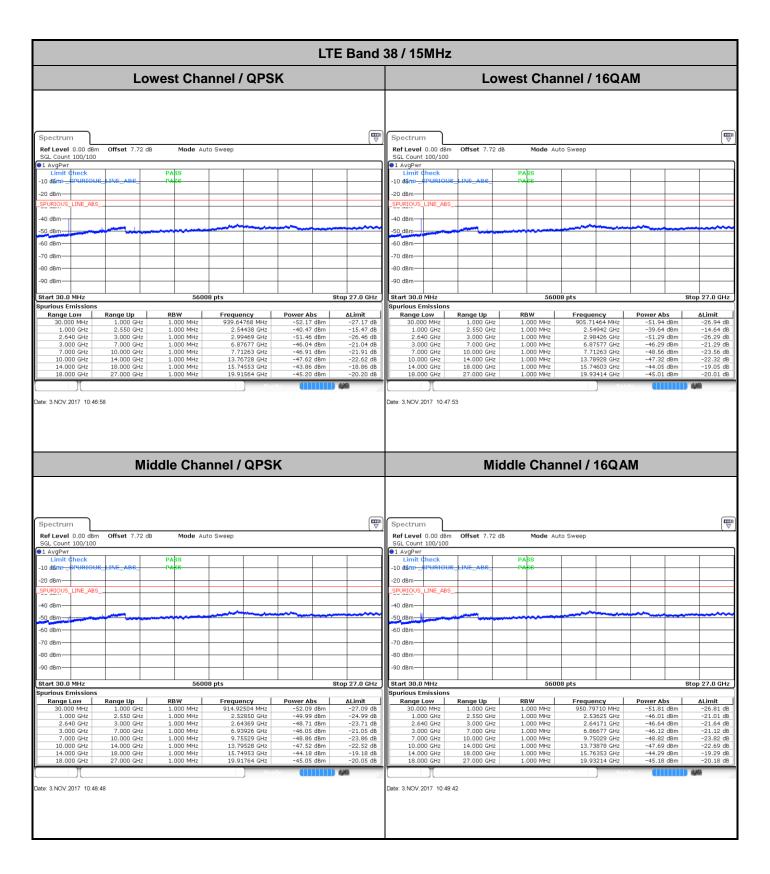
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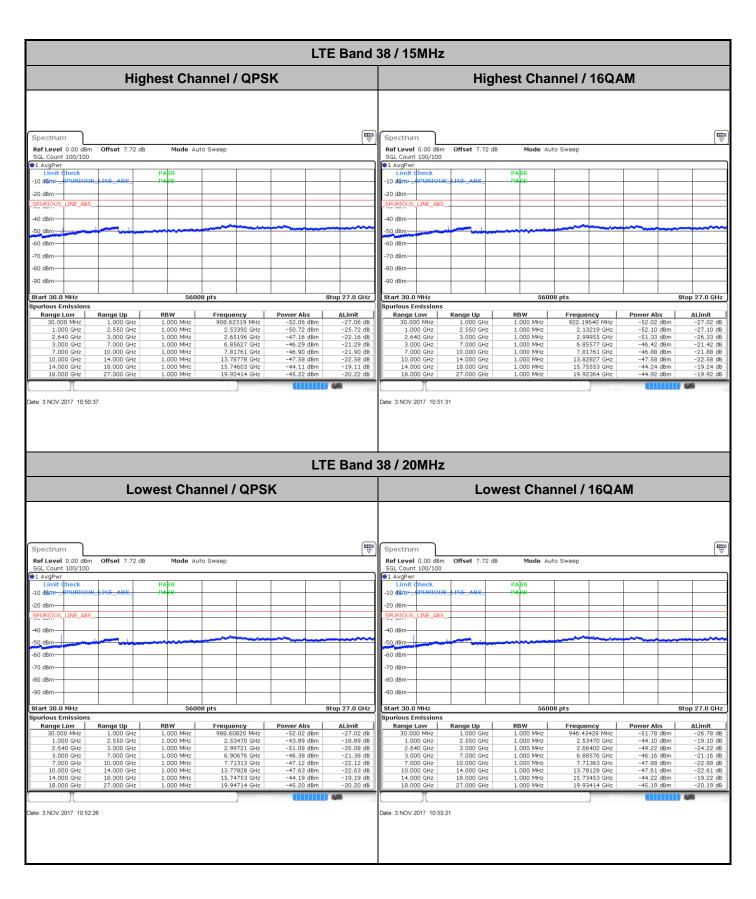
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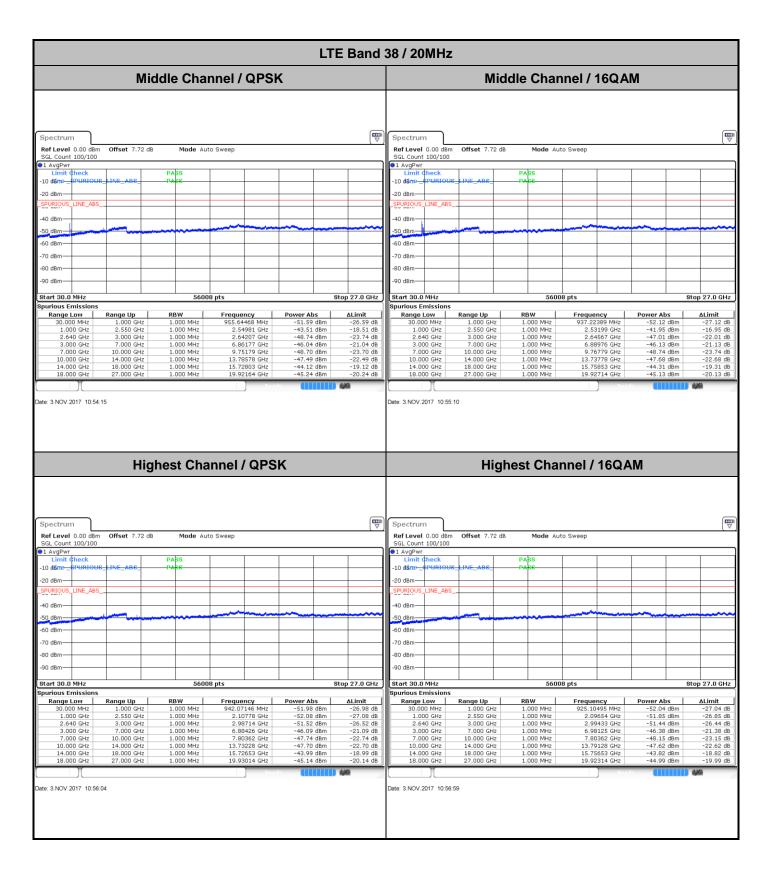
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Frequency Stability

Test (Conditions	LTE Band 5 (QPSK) / Middle Channel	Limit
_		BW 10MHz	2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0033	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0037	PASS
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0000	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0010	

Note: Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.4 V.

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Test (Conditions	LTE Band 7 (QPSK) / Middle Channel	Limit
		BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0006	
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0001	PASS
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0009	

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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Report No.: FG7O2602B

Report Template No.: BU5-FGLTE Version 1.6

Test (Conditions	LTE Band 38 (QPSK) / Middle Channel	Limit
_		BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0005	
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0011	PASS
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0013	

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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Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

			LTE Band 5	/ 1.4MHz / 0	PSK/RBS	ize 1 Offset ()		
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	-63.68	-13	-50.68	-75.05	-70.37	0.56	9.40	Н
	2507.88	-54.27	-13	-41.27	-70.01	-61.98	0.74	10.60	Н
Middle	3343.84	-59.50	-13	-46.50	-76.88	-69.10	0.85	12.60	Н
Middle	1671.92	-63.60	-13	-50.60	-74.97	-70.29	0.56	9.40	V
	2507.88	-52.75	-13	-39.75	-68.09	-60.46	0.74	10.60	V
	3343.84	-59.20	-13	-46.20	-76.81	-68.80	0.85	12.60	V

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

			LTE Band	5 / 3MHz / Q	PSK / RB Siz	ze 1 Offset 0			
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	-63.64	-13	-50.64	-75.13	-70.33	0.56	9.40	Н
	2505.72	-54.50	-13	-41.50	-70.24	-62.21	0.74	10.60	Н
Middle	3340.96	-59.41	-13	-46.41	-76.79	-69.01	0.85	12.60	Н
Middle	1670.48	-63.53	-13	-50.53	-75.04	-70.22	0.56	9.40	V
	2505.72	-52.22	-13	-39.22	-67.56	-59.93	0.74	10.60	V
	3340.96	-58.93	-13	-45.93	-76.54	-68.53	0.85	12.60	V

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

	LTE Band 5 / 5MHz / QPSK / RB Size 1 Offset 0												
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	-63.73	-13	-50.73	-75.22	-70.42	0.56	9.40	Н				
	2503.02	-55.81	-13	-42.81	-71.59	-63.52	0.74	10.60	Н				
Middle	3337.36	-59.39	-13	-46.39	-76.83	-68.99	0.85	12.60	Н				
Middle	1668.68	-63.50	-13	-50.50	-75.01	-70.19	0.56	9.40	V				
	2503.02	-53.69	-13	-40.69	-69.07	-61.40	0.74	10.60	V				
	3337.36	-59.08	-13	-46.08	-76.73	-68.68	0.85	12.60	V				

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

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	LTE Band 5 / 10MHz / QPSK / RB Size 1 Offset 0												
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	-63.88	-13	-50.88	-75.37	-70.57	0.56	9.40	Н				
	2496.27	-56.87	-13	-43.87	-72.65	-64.58	0.74	10.60	Н				
Middle	3328.36	-59.27	-13	-46.27	-76.71	-68.87	0.85	12.60	Н				
Middle	1664.18	-62.91	-13	-49.91	-74.42	-69.60	0.56	9.40	V				
	2496.27	-54.98	-13	-41.98	-70.36	-62.69	0.74	10.60	V				
	3328.36	-59.00	-13	-46.00	-76.65	-68.60	0.85	12.60	V				

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

			LTE Band	7 / 5MHz / Q	PSK / RB Siz	ze 1 Offset 0			
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)
	5065.68	-45.18	-25	-20.18	-68.32	-56.94	0.94	12.70	Н
	7598.52	-46.37	-25	-21.37	-72.81	-56.38	1.69	11.70	Н
Middle	10131.36	-46.97	-25	-21.97	-78.44	-57.63	1.44	12.10	Н
Middle	5065.68	-37.99	-25	-12.99	-61.92	-49.75	0.94	12.70	V
	7598.52	-43.92	-25	-18.92	-70.49	-53.93	1.69	11.70	V
	10131.36	-47.12	-25	-22.12	-78.36	-57.78	1.44	12.10	V

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

			LTE Band 7	7 / 10MHz / C	PSK / RB Si	ize 1 Offset 0			
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)
	5061.18	-45.53	-25	-20.53	-68.67	-57.29	0.94	12.70	Н
	7591.77	-48.49	-25	-23.49	-74.93	-58.50	1.69	11.70	Н
Middle	10122.36	-47.34	-25	-22.34	-78.81	-58.00	1.44	12.10	Н
ivildale	5061.18	-40.14	-25	-15.14	-64.07	-51.90	0.94	12.70	V
	7591.77	-44.55	-25	-19.55	-71.12	-54.56	1.69	11.70	V
	10122.36	-47.55	-25	-22.55	-78.79	-58.21	1.44	12.10	V

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

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			LTE Band 7	7 / 15MHz / G	PSK / RB S	ze 1 Offset 0			
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)
	5056.68	-44.69	-25	-19.69	-67.83	-56.45	0.94	12.70	Н
	7585.02	-48.81	-25	-23.81	-75.37	-58.82	1.69	11.70	Н
Middle	10113.36	-47.77	-25	-22.77	-79.27	-58.43	1.44	12.10	Н
Middle	5056.68	-39.00	-25	-14.00	-62.93	-50.76	0.94	12.70	V
	7585.02	-45.75	-25	-20.75	-72.42	-55.76	1.69	11.70	V
	10113.36	-47.79	-25	-22.79	-79.03	-58.45	1.44	12.10	V

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

			LTE Band 7	7 / 20MHz / C	PSK / RB Si	ize 1 Offset 0			
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)
	5052.18	-45.65	-25	-20.65	-68.78	-57.41	0.94	12.70	Н
	7578.27	-49.92	-25	-24.92	-76.48	-59.93	1.69	11.70	Н
Middle	10104.36	-47.37	-25	-22.37	-78.87	-58.03	1.44	12.10	Н
ivildale	5052.18	-39.41	-25	-14.41	-63.35	-51.17	0.94	12.70	V
	7578.27	-46.87	-25	-21.87	-73.54	-56.88	1.69	11.70	V
	10104.36	-47.65	-25	-22.65	-78.89	-58.31	1.44	12.10	V

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

			LTE Band 3	38 / 5MHz / C	PSK / RB Si	ze 1 Offset 0			
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)
	5185.50	-44.10	-25	-19.10	-67.26	-55.86	0.94	12.70	Н
	7778.25	-44.97	-25	-19.97	-71.62	-54.98	1.69	11.70	Н
Middle	10371.00	-48.26	-25	-23.26	-79.45	-58.92	1.44	12.10	Н
ivildale	5185.50	-35.68	-25	-10.68	-59.52	-47.44	0.94	12.70	V
	7778.25	-41.80	-25	-16.80	-68.58	-51.81	1.69	11.70	V
	10371.00	-48.37	-25	-23.37	-79.69	-59.03	1.44	12.10	V

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

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LTE Band 38 / 10MHz / QPSK / RB Size 1 Offset 0									
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	5181.00	-43.16	-25	-18.16	-66.32	-54.92	0.94	12.70	Н
	7771.50	-45.43	-25	-20.43	-72.05	-55.44	1.69	11.70	Н
	10362.00	-47.82	-25	-22.82	-79.01	-58.48	1.44	12.10	Н
	5181.00	-35.53	-25	-10.53	-59.37	-47.29	0.94	12.70	V
	7771.50	-43.46	-25	-18.46	-70.22	-53.47	1.69	11.70	V
	10362.00	-48.05	-25	-23.05	-79.37	-58.71	1.44	12.10	V

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

LTE Band 38 / 15MHz / QPSK / RB Size 1 Offset 0									
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	5176.50	-44.56	-25	-19.56	-67.72	-56.32	0.94	12.70	Н
	7764.75	-45.83	-25	-20.83	-72.46	-55.84	1.69	11.70	Н
	10353.00	-48.28	-25	-23.28	-79.49	-58.94	1.44	12.10	Н
	5176.50	-36.90	-25	-11.90	-60.74	-48.66	0.94	12.70	V
	7764.75	-42.03	-25	-17.03	-68.8	-52.04	1.69	11.70	V
	10353.00	-47.80	-25	-22.80	-79.11	-58.46	1.44	12.10	V

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

LTE Band 38 / 20MHz / QPSK / RB Size 1 Offset 0									
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	5172.00	-44.17	-25	-19.17	-67.32	-55.93	0.94	12.70	Н
	7758.00	-46.82	-25	-21.82	-73.45	-56.83	1.69	11.70	Н
	10344.00	-48.44	-25	-23.44	-79.65	-59.10	1.44	12.10	Н
	5172.00	-36.27	-25	-11.27	-60.12	-48.03	0.94	12.70	V
	7758.00	-44.29	-25	-19.29	-71.06	-54.30	1.69	11.70	V
	10344.00	-48.29	-25	-23.29	-79.6	-58.95	1.44	12.10	V

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

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