

TEL: 86-0512-5790-0158 FAX: 86-0512-5790-0958 FCC ID: 2AFZZ-RSG138 Page Number : A124 of A134
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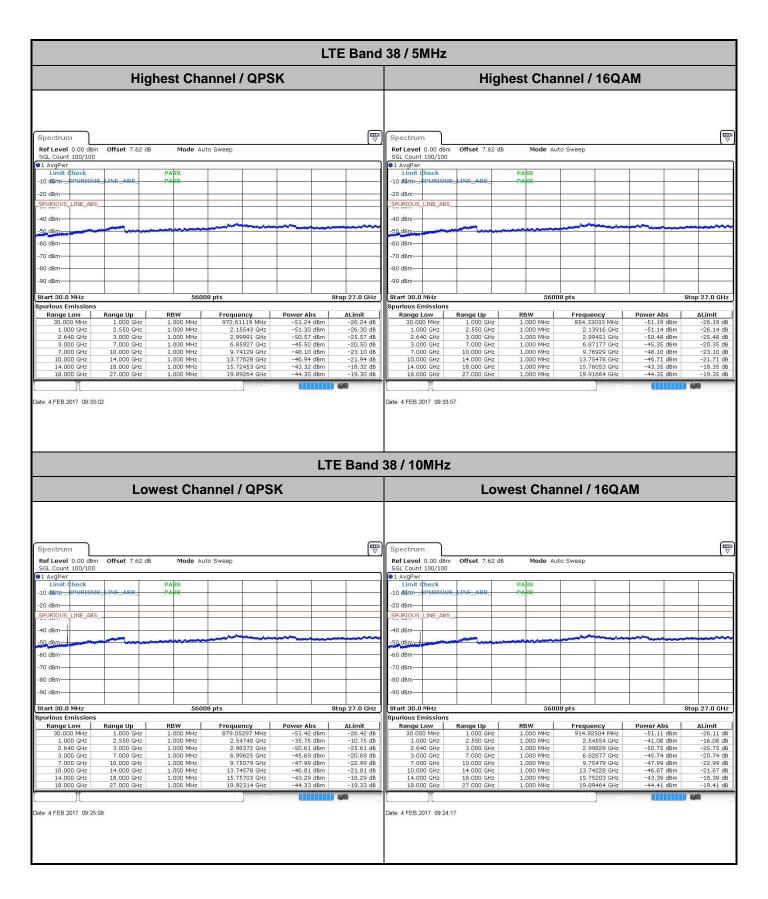
LTE Band 38 / 5MHz **Lowest Channel / QPSK Lowest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Count 100/100 Count 100/100 10 d&me -20 dBm -20 dBm LINE_ABS INE_ABS SPURIOUS SPURIOUS -60 dBm -60 dBm 70 dBn -70 dBm 80 dBm -80 dBm -90 dBm 90 dBm-Start 30.0 MH; 560 Stop 27.0 GH: Start 30.0 MHz 56008 27.0 GHz urious Emission Spurious Emissions Power Abs
-51.33 dBm
-51.34 dBm
-50.62 dBm
-45.59 dBm
-48.19 dBm
-46.76 dBm
-43.13 dBm
-44.34 dBm RBW

1.000 MHz
1.000 MHz Power Abs -51.41 dBm -51.30 dBm -50.70 dBm -45.47 dBm -48.09 dBm -46.78 dBm ΔLimit
-26.41 dB
-26.30 dB
-25.70 dB
-20.47 dB
-23.09 dB
-21.78 dB Range Up 1.000 GHz 2.550 GHz 3.000 GHz RBW 1.000 MHz 1.000 MHz 1.000 MHz Frequency 892.14143 MHz 2.14458 GHz 2.95961 GHz Range Low 30,000 MH: Range Low 30,000 MHz ∆Limit -26.33 ΔLimit
-26.33 dB
-26.34 dB
-25.62 dB
-20.59 dB
-23.19 dB
-21.76 dB
-18.13 dB
-19.34 dB 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 1.000 GHz 2.640 GHz 2.07640 GHz 2.83907 GHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz 6.86527 GHz 9.76979 GHz 13.74928 GHz 6.64029 GHz 9.75129 GHz 13.79878 GHz .000 MHz 3.000 GHz 7.000 GH 10.000 GHz 14.000 GHz 10.000 GHz .000 MH: 18.000 GHz 27.000 GHz 15.74903 GHz 19.92614 GHz -18.21 dB -19.43 dB 18.000 GHz 27.000 GHz .000 MHz .000 MHz 15.75603 GHz 19.90514 GHz 18.000 GHz ate: 4.FEB.2017 09:29:40 Date: 4.FEB.2017 09:30:29 Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep GL Count 100/100 GL Count 100/100 1 AvgPwr Limit Check 1 AvgPwr Limit Check -10 d&me 10 dame -20 dBm -20 dBm-_LINE_ABS _LINE_ABS SPURIOUS SPURIOUS 40 dBm 40 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 56008 pts Stop 27.0 GHz Start 30.0 MHz 56008 pts Spurious Emissions rious Emission ΔLimit
-26.25 dB
-26.29 dB
-25.30 dB
-20.55 dB
-23.16 dB
-21.95 dB
-18.32 dB
-19.10 dB Durious Emissic Range Low 30.000 MHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 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 Range Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz 76,48926 MHz 2,14342 GHz 2,98822 GHz 6,87377 GHz 9,82528 GHz 13,77128 GHz 15,75953 GHz 19,93714 GHz Date: 4.FEB.2017 09:32:09 Date: 4.FEB.2017 09:31:19

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LTE Band 38 / 10MHz Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Count 100/100 Count 100/100 10 d&me -20 dBm -20 dBm LINE_ABS SPURIOUS SPURIOUS -60 dBm -60 dBm 70 dBn 80 dBm -80 dBm -90 dBm 90 dBm-Start 30.0 MH; Stop 27.0 GHz Start 30.0 MHz 56008 27.0 GHz rious Emission Spurious Emissions RBW

1.000 MHz
1.000 MHz Power Abs
-51.13 dBm
-51.21 dBm
-50.29 dBm
-45.42 dBm
-48.22 dBm
-46.72 dBm
-43.33 dBm
-44 24 dBm ΔLimit
-26.13 dB
-26.21 dB
-25.29 dB
-20.42 dB
-23.22 dB
-21.72 dB ΔLimit
-26.41 dB
-26.26 dB
-25.59 dB
-20.22 dB
-22.97 dB
-21.55 dB
-18.31 dB
-19.16 dB Range Up 1.000 GHz 2.550 GHz 3.000 GHz RBW 1.000 MHz 1.000 MHz 1.000 MHz Power Abs -51.41 dBm -51.26 dBm -50.59 dBm Frequency 954.19040 MHz 2.10623 GHz 2.99469 GHz Range Low 30,000 MH: Range Low 30,000 MHz 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 2.53315 GHz 2.98120 GHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz .000 MH 3.000 GHz 7.000 GH 10.000 GHz 14.000 GHz 10.000 GHz .000 MH: 18.000 GHz 27.000 GHz 18.000 GHz 27.000 GHz .000 MHz .000 MHz 18.000 GHz ate: 4.FEB.2017 09:25:58 Date: 4.FEB.2017 09:26:45 **Highest Channel / QPSK Highest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep GL Count 100/100 GL Count 100/100 1 AvgPwr Limit check 1 AvgPwr Limit Check -10 d&me 10 dame -20 dBm -20 dBm _LINE_ABS _LINE_ABS SPURIOUS SPURIOUS 40 dBm 40 dBm -60 dBm 70 dBm 70 dBm -80 dBm -80 dBm 90 dBm 90 dBm Stop 27.0 GHz Start 30.0 MHz 56008 pts Stop 27.0 GHz Start 30.0 MHz 56008 pts Spurious Emissions ırious Emission ΔLimit
-26.15 dB
-26.36 dB
-9.09 dB
-20.59 dB
-22.87 dB
-21.79 dB
-18.49 dB
-19.24 dB Durious Emissic Range Low 30.000 MHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz ange Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz Frequency 965.82459 MHz 2.14265 GHz 2.64891 GHz 6.66779 GHz 9.75379 GHz 13.79178 GHz 15.74153 GHz 19.92564 GHz Range Low 30.000 MHz Range Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz Date: 4.FEB.2017 09:28:46 Date: 4.FEB.2017 09:27:50

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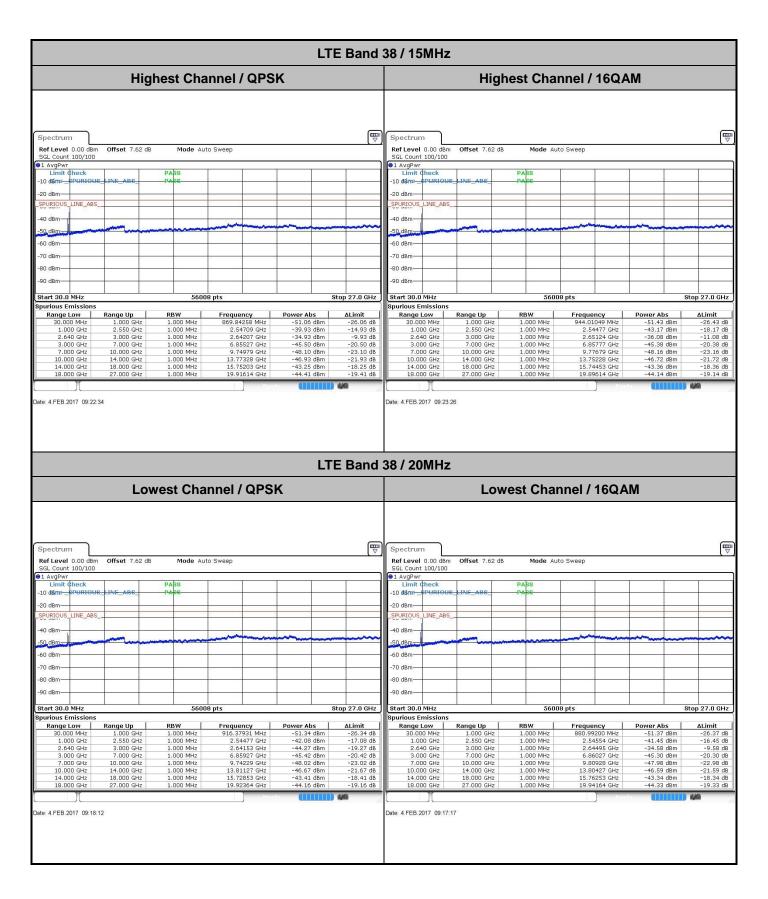
LTE Band 38 / 15MHz **Lowest Channel / QPSK Lowest Channel / 16QAM** Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Count 100/100 Count 100/100 10 d&me -20 dBm -20 dBm LINE_ABS INE_ABS SPURIOUS SPURIOUS -60 dBm -60 dBm 70 dBn -70 dBm 80 dBm -80 dBm -90 dBm 90 dBm-Start 30.0 MH; 560 Stop 27.0 GHz Start 30.0 MHz 56008 27.0 GHz urious Emission Spurious Emissions RBW

1.000 MHz
1.000 MHz Power Abs
-51.14 dBm
-44.95 dBm
-50.32 dBm
-45.43 dBm
-48.26 dBm
-46.88 dBm ΔLimit
-26.14 dB
-19.95 dB
-25.32 dB
-20.43 dB
-23.26 dB
-21.88 dB ΔLimit
-26.21 dB
-16.01 dB
-21.99 dB
-20.63 dB
-23.05 dB
-21.68 dB
-18.21 dB
-19.26 dB Range Up 1.000 GHz 2.550 GHz 3.000 GHz RBW 1.000 MHz 1.000 MHz 1.000 MHz -51.21 dBm -41.01 dBm -46.99 dBm Frequency 918.31834 MHz 2.54477 GHz 2.64045 GHz Frequency 997.81859 MHz 2.54012 GHz 2.65754 GHz Range Low 30,000 MH: Range Low 30,000 MHz 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 1.000 GHz 2.640 GHz 1.000 GHz 2.640 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 18.000 GHz -46.99 dBm -45.63 dBm -48.05 dBm -46.68 dBm 6.88426 GHz 9.78979 GHz 13.81227 GHz .000 MH 3.000 GHz 6.86677 GHz 9.76679 GHz 7.000 GH 10.000 GHz 14.000 GHz 10.000 GHz .000 MH: 18.000 GHz 27.000 GHz -18.43 dB -19.07 dB 18.000 GHz 27.000 GHz .000 MHz .000 MHz 18.000 GHz 44.07 dBm Date: 4.FEB.2017 09:19:08 Date: 4.FEB.2017 09:19:58 Middle Channel / QPSK Middle Channel / 16QAM Spectrum Spectrum Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep Ref Level 0.00 dBm Offset 7.62 dB Mode Auto Sweep GL Count 100/100 GL Count 100/100 1 AvgPwr Limit Check 1 AvgPwr Limit Check -10 d&me 10 dame -20 dBm -20 dBm _LINE_ABS LINE_ABS SPURIOUS SPURIOUS 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 56008 pts Stop 27.0 GHz Start 30.0 MHz 56008 pts Spurious Emissions rious Emission ΔLimit
-26.04 dB
-25.16 dB
-22.75 dB
-20.27 dB
-22.86 dB
-21.83 dB
-18.27 dB
-19.10 dB ΔLimit
-26.12 dB
-16.00 dB
-20.45 dB
-20.67 dB
-22.86 dB
-21.83 dB
-18.36 dB
-19.41 dB 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 on noo MHz Power Abs
-51.12 dBm
-41.00 dBm
-45.45 dBm
-45.67 dBm
-47.86 dBm
-46.83 dBm
-43.36 dBm
-44.41 dBm Range Low 30.000 MHz Range Up 1.000 GHz 2.550 GHz 3.000 GHz 7.000 GHz 10.000 GHz 14.000 GHz 27.000 GHz Date: 4.FEB.2017 09:21:35 Date: 4.FEB.2017 09:20:46

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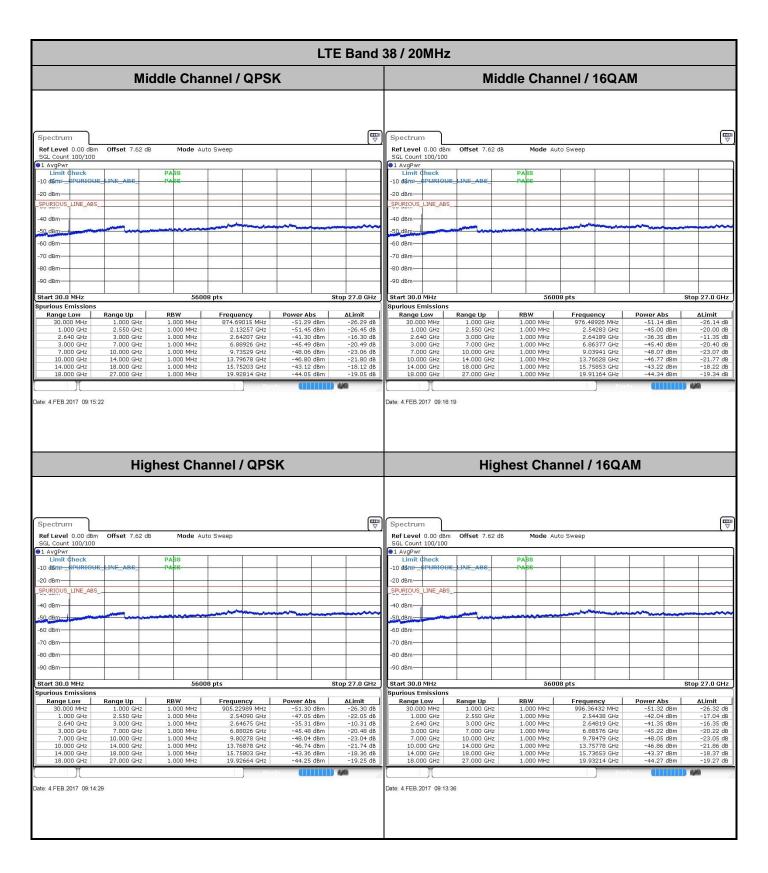
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Frequency Stability

Test (Conditions	LTE Band 4 (QPSK) / Middle Channel	Limit
_		BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0028	
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0016	PASS
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0025	
20	Battery End Point	0.0005	

Note:

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

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Test (Conditions	LTE Band 5 (QPSK) / Middle Channel	Limit
		BW 10MHz	2.5ppm
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0018	
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0026	
-10	Normal Voltage	0.0025	PASS
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0024	

Note: Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.35 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	0.0015	
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0007	PASS
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0002	

Note:

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6 V.; Maximum Voltage =4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

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Test (Conditions	LTE Band 38 (QPSK) / Middle Channel	Limit
		BW 10MHz	Note 2.
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Result
50	Normal Voltage	0.0007	
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0005	PASS
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0003	

Note:

- 1. Normal Voltage =3.85 V.; Battery End Point (BEP) =3.6V.; Maximum Voltage =4.35 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 4 / 1.4MHz / 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)			
	3465	-64.59	-13	-51.59	-73.49	-68.56	4.87	8.84	Н			
	5196	-64.01	-13	-51.01	-74.94	-65.45	7.70	9.14	Н			
Middle	6927	-53.62	-13	-40.62	-72.09	-55.30	8.98	10.66	Н			
Middle	3465	-61.18	-13	-48.18	-72.8	-65.15	4.87	8.84	V			
	5196	-61.41	-13	-48.41	-75.46	-62.85	7.70	9.14	V			
	6927	-54.84	-13	-41.84	-72.86	-56.52	8.98	10.66	V			

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

	LTE Band 4 / 3MHz / 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)			
	3462	-62.39	-13	-49.39	-71.29	-66.36	4.87	8.84	Н			
	5193	-64.22	-13	-51.22	-75.15	-65.66	7.70	9.14	Н			
Middle	6924	-53.33	-13	-40.33	-71.80	-55.01	8.98	10.66	Н			
Middle	3462	-60.30	-13	-47.30	-71.92	-64.27	4.87	8.84	V			
	5193	-61.14	-13	-48.14	-75.19	-62.58	7.70	9.14	V			
	6924	-54.69	-13	-41.69	-72.71	-56.37	8.98	10.66	V			

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

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	LTE Band 4 / 5MHz / 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)			
	3459	-63.63	-13	-50.63	-72.53	-67.60	4.87	8.84	Н			
	5190	-64.25	-13	-51.25	-75.18	-65.69	7.70	9.14	Н			
Middle	6921	-53.99	-13	-40.99	-72.46	-55.67	8.98	10.66	Н			
Middle	3459	-60.90	-13	-47.90	-72.52	-64.87	4.87	8.84	V			
	5190	-62.09	-13	-49.09	-76.14	-63.53	7.70	9.14	V			
	6921	-55.16	-13	-42.16	-73.18	-56.84	8.98	10.66	V			

	LTE Band 4 / 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)			
	3456	-58.81	-13	-45.81	-67.71	-62.78	4.87	8.84	Н			
	5184	-63.12	-13	-50.12	-74.05	-64.56	7.70	9.14	Н			
Middle	6912	-48.88	-13	-35.88	-67.35	-50.56	8.98	10.66	Н			
Middle	3456	-59.73	-13	-46.73	-71.35	-63.70	4.87	8.84	V			
	5184	-53.74	-13	-40.74	-67.79	-55.18	7.70	9.14	V			
	6912	-54.37	-13	-41.37	-72.39	-56.05	8.98	10.66	V			

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

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	LTE Band 4 / 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)			
	3450	-61.67	-13	-48.67	-70.57	-65.64	4.87	8.84	Н			
	5178	-61.86	-13	-48.86	-72.79	-63.30	7.70	9.14	Н			
Middle	6903	-48.32	-13	-35.32	-66.79	-50.00	8.98	10.66	Н			
Middle	3450	-61.24	-13	-48.24	-72.86	-65.21	4.87	8.84	V			
	5178	-60.89	-13	-47.89	-74.94	-62.33	7.70	9.14	V			
	6903	-53.13	-13	-40.13	-71.15	-54.81	8.98	10.66	V			

	LTE Band 4 / 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)			
	3447	-59.24	-13	-46.24	-68.14	-63.21	4.87	8.84	Н			
	5172	-63.54	-13	-50.54	-74.47	-64.98	7.70	9.14	Н			
Middle	6894	-46.89	-13	-33.89	-65.36	-48.57	8.98	10.66	Н			
Middle	3447	-59.87	-13	-46.87	-71.49	-63.84	4.87	8.84	V			
	5172	-61.34	-13	-48.34	-75.39	-62.78	7.70	9.14	V			
	6894	-53.87	-13	-40.87	-71.89	-55.55	8.98	10.66	V			

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

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	LTE Band 5 / 1.4MHz / 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)			
	1672	-61.74	-13	-48.74	-64.34	-64.06	1.33	5.80	Н			
	2508	-43.54	-13	-30.54	-55.35	-46.71	1.58	6.90	Н			
Middle	3342	-67.02	-13	-54.02	-76.23	-70.52	1.85	7.50	Н			
Middle	1672	-67.01	-13	-54.01	-68.88	-69.33	1.33	5.80	V			
	2508	-50.98	-13	-37.98	-60.10	-54.15	1.58	6.90	V			
	3342	-68.08	-13	-55.08	-77.10	-71.58	1.85	7.50	V			

	LTE Band 5 / 3MHz / 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)			
	1670	-62.85	-13	-49.85	-65.45	-65.17	1.33	5.80	Н			
	2506	-46.30	-13	-33.30	-57.57	-49.47	1.58	6.90	Н			
Middle	3342	-68.04	-13	-55.04	-77.25	-71.54	1.85	7.50	Н			
Middle	1670	-67.94	-13	-54.94	-69.81	-70.26	1.33	5.80	V			
	2506	-53.56	-13	-40.56	-61.61	-56.73	1.58	6.90	V			
	3342	-67.67	-13	-54.67	-76.69	-71.17	1.85	7.50	V			

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

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	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	-60.88	-13	-47.88	-63.48	-63.20	1.33	5.80	Н				
	2502	-43.17	-13	-30.17	-55.01	-46.34	1.58	6.90	Н				
Middle	3336	-67.08	-13	-54.08	-76.29	-70.58	1.85	7.50	Н				
Middle	1668	-66.86	-13	-53.86	-68.73	-69.18	1.33	5.80	V				
	2502	-52.00	-13	-39.00	-60.81	-55.17	1.58	6.90	V				
	3336	-68.45	-13	-55.45	-77.47	-71.95	1.85	7.50	V				

	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	-60.31	-13	-47.31	-62.91	-62.63	1.33	5.80	Н				
	2496	-42.44	-13	-29.44	-54.43	-45.61	1.58	6.90	Н				
Middle	3328	-67.96	-13	-54.96	-77.17	-71.46	1.85	7.50	Н				
Middle	1664	-66.95	-13	-53.95	-68.82	-69.27	1.33	5.80	V				
	2496	-49.39	-13	-36.39	-59.06	-52.56	1.58	6.90	V				
	3328	-68.56	-13	-55.56	-77.58	-72.06	1.85	7.50	V				

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	LTE Band 7 / 5MHz / 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)				
	5064	-63.14	-25	-38.14	-72.36	-69.70	2.41	8.97	Н				
	7600	-60.24	-25	-35.24	-73.94	-69.24	2.86	11.86	Н				
Middle	10132	-57.49	-25	-32.49	-75.84	-66.39	3.21	12.11	Н				
Middle	5064	-62.62	-25	-37.62	-71.33	-69.18	2.41	8.97	V				
	7600	-54.56	-25	-29.56	-69.19	-63.56	2.86	11.86	V				
	10132	-56.58	-25	-31.58	-75.98	-65.48	3.21	12.11	V				

	LTE Band 7 / 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)				
	5061	-64.19	-25	-39.19	-73.41	-70.75	2.41	8.97	Н				
	7592	-57.74	-25	-32.74	-71.44	-66.74	2.86	11.86	Н				
Middle	10123	-57.86	-25	-32.86	-76.21	-66.76	3.21	12.11	Н				
ivildale	5061	-62.92	-25	-37.92	-71.63	-69.48	2.41	8.97	V				
	7592	-53.35	-25	-28.35	-67.98	-62.35	2.86	11.86	V				
	10123	-56.92	-25	-31.92	-76.32	-65.82	3.21	12.11	V				

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	LTE Band 7 / 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)				
	5056	-63.44	-25	-38.44	-72.66	-70.00	2.41	8.97	Н				
	7584	-57.81	-25	-32.81	-71.51	-66.81	2.86	11.86	Н				
Middle	10113	-57.48	-25	-32.48	-75.83	-66.38	3.21	12.11	Н				
Middle	5056	-60.56	-25	-35.56	-69.27	-67.12	2.41	8.97	V				
	7584	-52.93	-25	-27.93	-67.56	-61.93	2.86	11.86	V				
	10113	-56.56	-25	-31.56	-75.96	-65.46	3.21	12.11	V				

	LTE Band 7 / 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)				
	5052	-63.07	-25	-38.07	-72.29	-69.63	2.41	8.97	Н				
	7578	-59.91	-25	-34.91	-73.61	-68.91	2.86	11.86	Н				
Middle	10104	-57.60	-25	-32.60	-75.95	-66.50	3.21	12.11	Н				
ivildale	5052	-63.14	-25	-38.14	-71.85	-69.70	2.41	8.97	V				
	7578	-55.84	-25	-30.84	-70.47	-64.84	2.86	11.86	V				
	10104	-57.42	-25	-32.42	-76.82	-66.32	3.21	12.11	V				

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	LTE Band 38 / 5MHz / 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)				
	5184	-63.76	-25	-38.76	-72.98	-70.32	2.41	8.97	Н				
	7780	-60.50	-25	-35.50	-74.20	-69.50	2.86	11.86	Н				
Middle	10368	-57.31	-25	-32.31	-75.66	-66.21	3.21	12.11	Н				
Middle	5184	-63.61	-25	-38.61	-72.32	-70.17	2.41	8.97	V				
	7780	-60.17	-25	-35.17	-74.8	-69.17	2.86	11.86	V				
	10368	-55.41	-25	-30.41	-74.81	-64.31	3.21	12.11	V				

	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)				
	5180	-64.29	-25	-39.29	-73.51	-70.85	2.41	8.97	Н				
	7772	-59.26	-25	-34.26	-72.96	-68.26	2.86	11.86	Н				
Middle	10359	-57.74	-25	-32.74	-76.09	-66.64	3.21	12.11	Н				
Middle	5180	-64.56	-25	-39.56	-73.27	-71.12	2.41	8.97	V				
	7772	-57.73	-25	-32.73	-72.36	-66.73	2.86	11.86	V				
	10359	-55.95	-25	-30.95	-75.35	-64.85	3.21	12.11	V				

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	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)				
	5176	-62.90	-25	-37.90	-72.12	-69.46	2.41	8.97	Н				
	7764	-60.18	-25	-35.18	-73.88	-69.18	2.86	11.86	Н				
Middle	10350	-57.87	-25	-32.87	-76.22	-66.77	3.21	12.11	Н				
Middle	5176	-65.07	-25	-40.07	-73.78	-71.63	2.41	8.97	V				
	7764	-60.09	-25	-35.09	-74.72	-69.09	2.86	11.86	V				
	10350	-56.37	-25	-31.37	-75.77	-65.27	3.21	12.11	V				

	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)				
	5172	-64.68	-25	-39.68	-73.90	-71.24	2.41	8.97	Н				
	7760	-60.76	-25	-35.76	-74.46	-69.76	2.86	11.86	Н				
Middle	10341	-57.52	-25	-32.52	-75.87	-66.42	3.21	12.11	Н				
Middle	5172	-65.01	-25	-40.01	-73.72	-71.57	2.41	8.97	V				
	7760	-60.14	-25	-35.14	-74.77	-69.14	2.86	11.86	V				
	10341	-56.20	-25	-31.20	-75.6	-65.10	3.21	12.11	V				

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

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