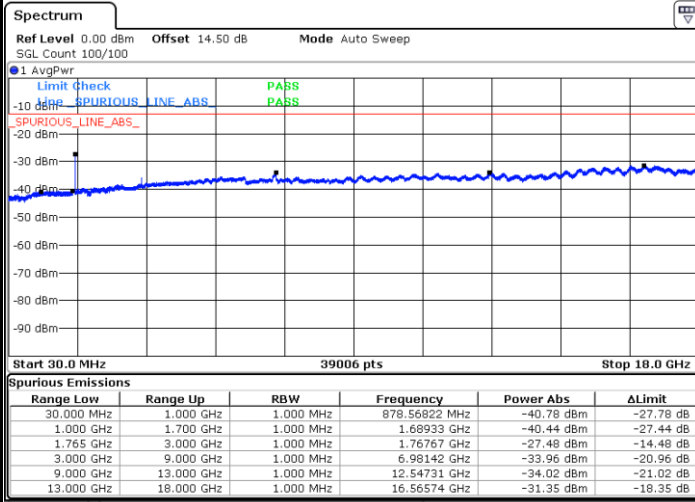




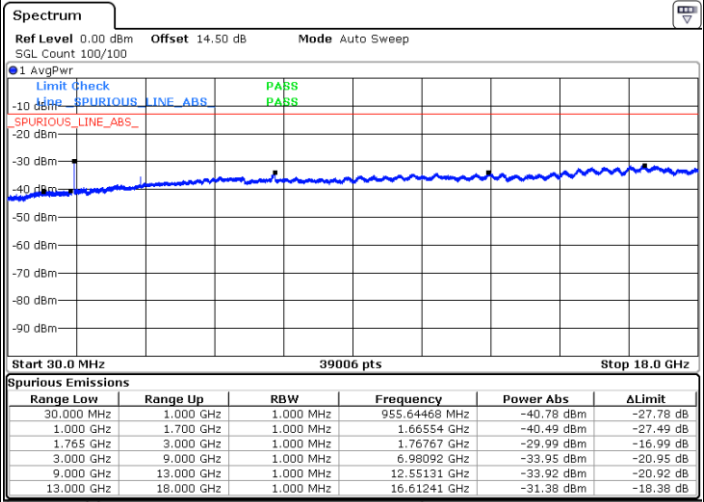
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 31.AUG.2017 20:44:00

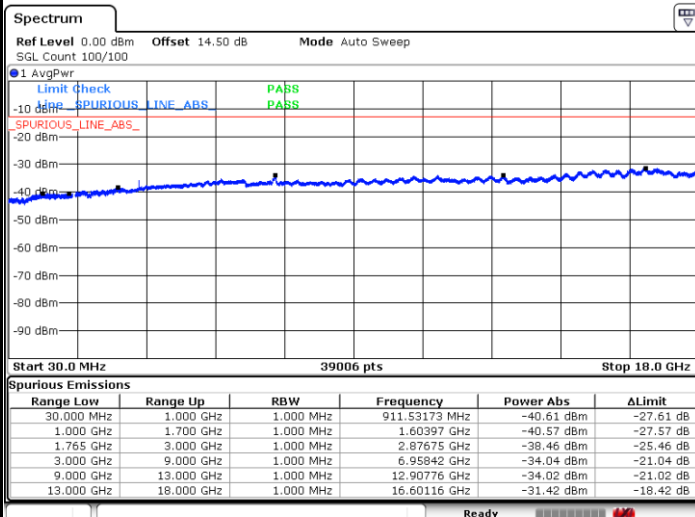
Highest Channel / 16QAM



Date: 31.AUG.2017 20:44:56

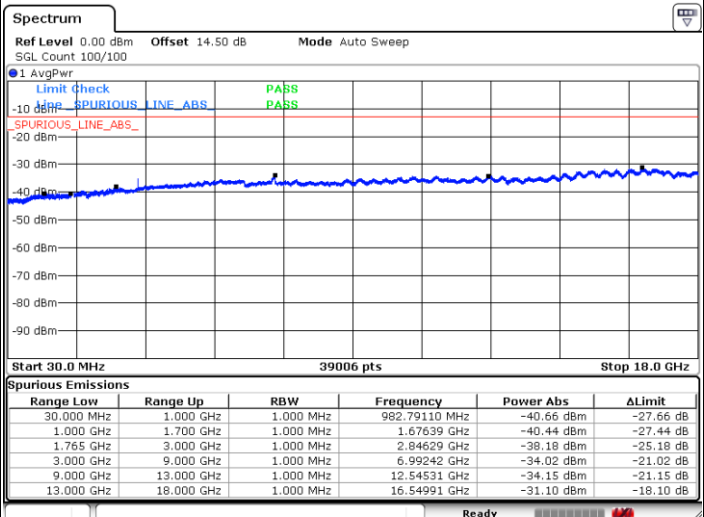
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 31.AUG.2017 20:51:11

Lowest Channel / 16QAM



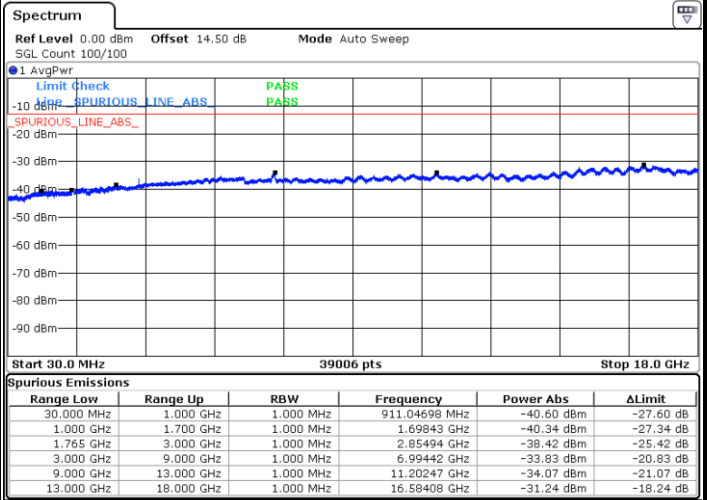
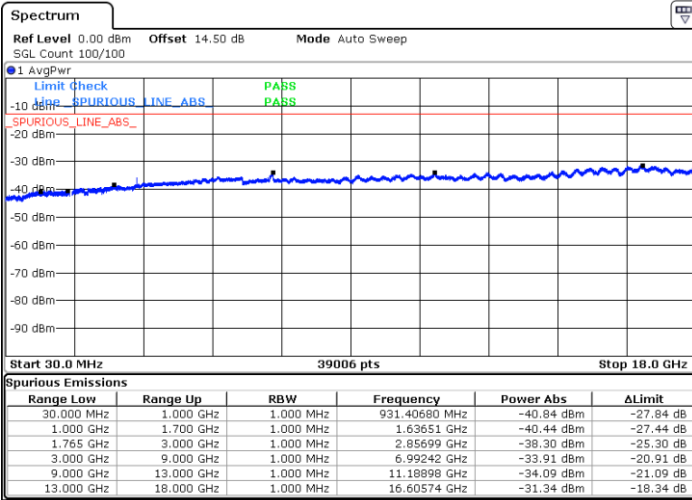
Date: 31.AUG.2017 20:52:07



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

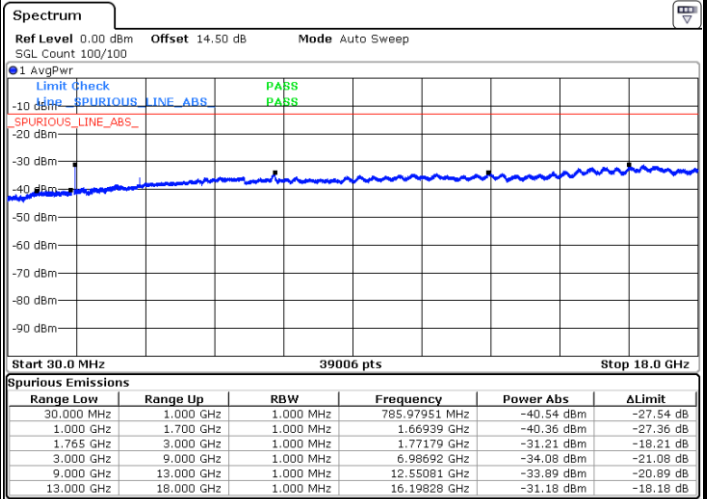
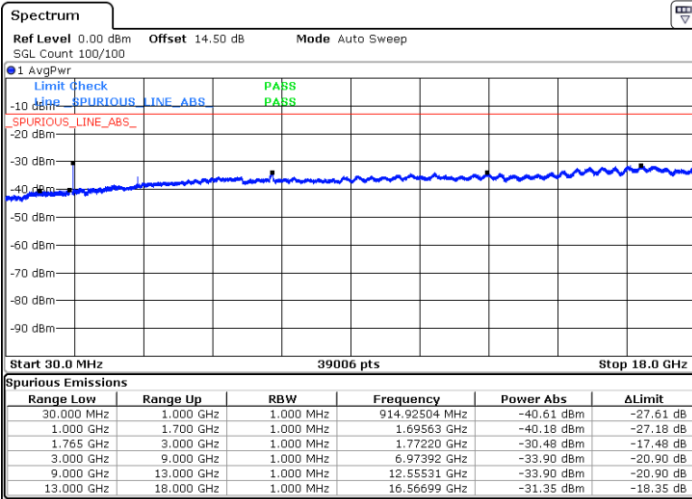


Date: 31.AUG.2017 20:53:44

Date: 31.AUG.2017 20:54:41

Highest Channel / QPSK

Highest Channel / 16QAM



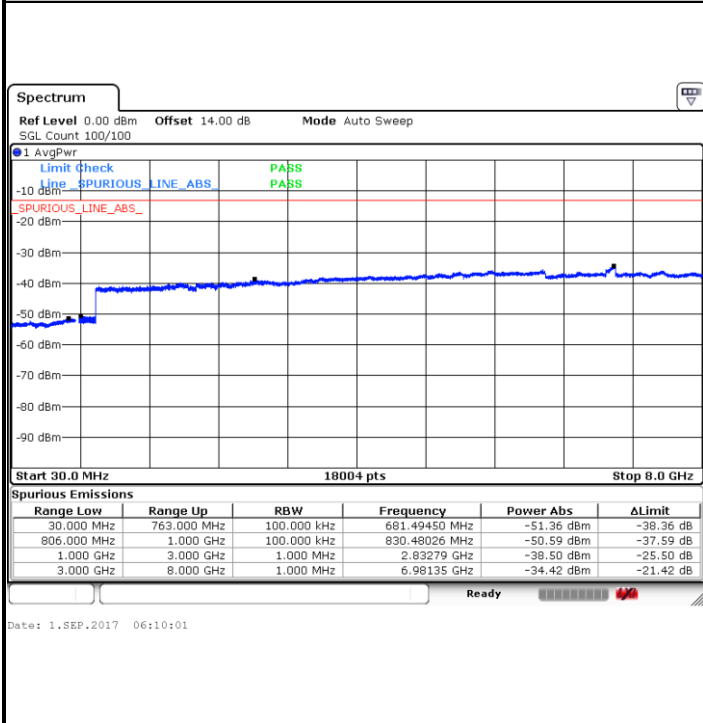
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Date: 31.AUG.2017 21:01:52

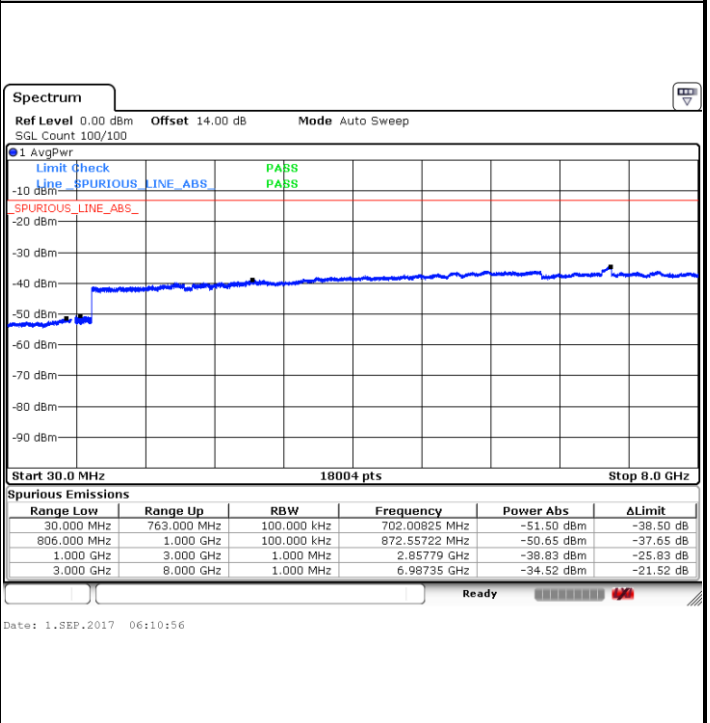


LTE Band 13 / 5MHz

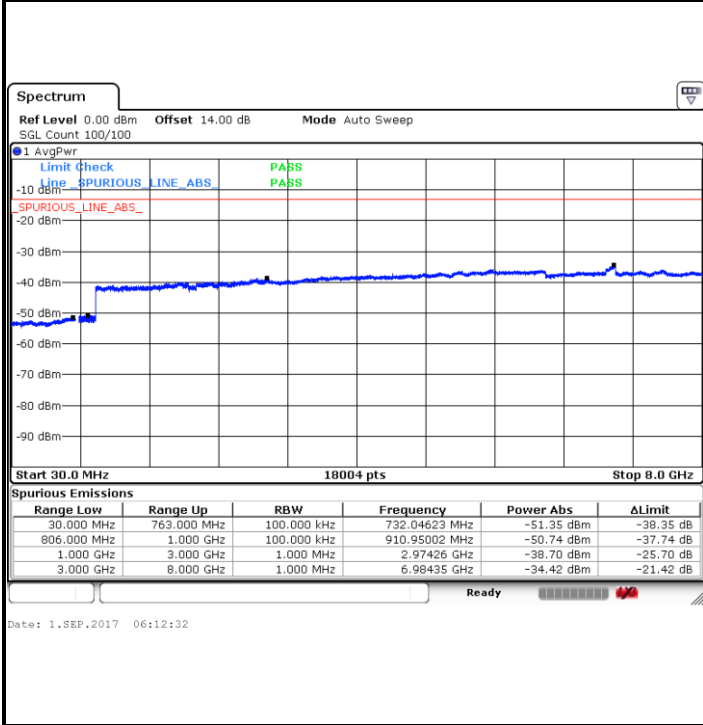
Lowest Channel / QPSK



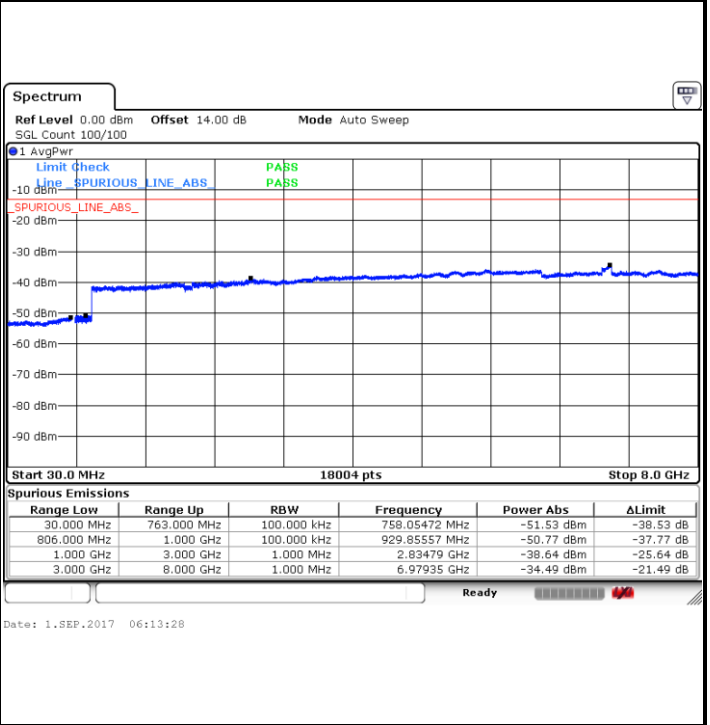
Lowest Channel / 16QAM



Middle Channel / QPSK



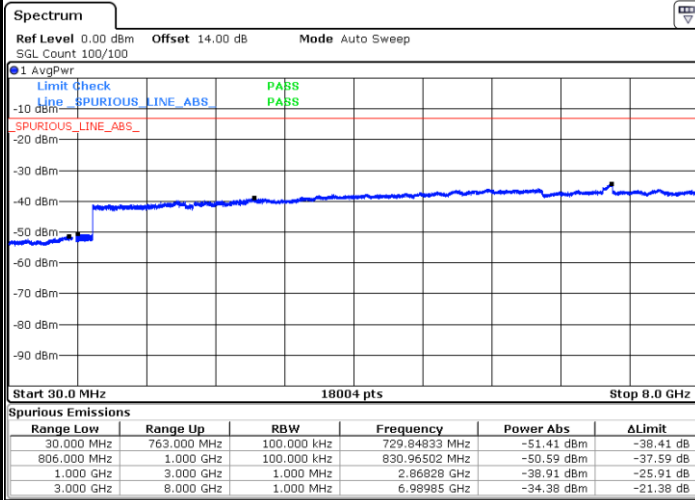
Middle Channel / 16QAM





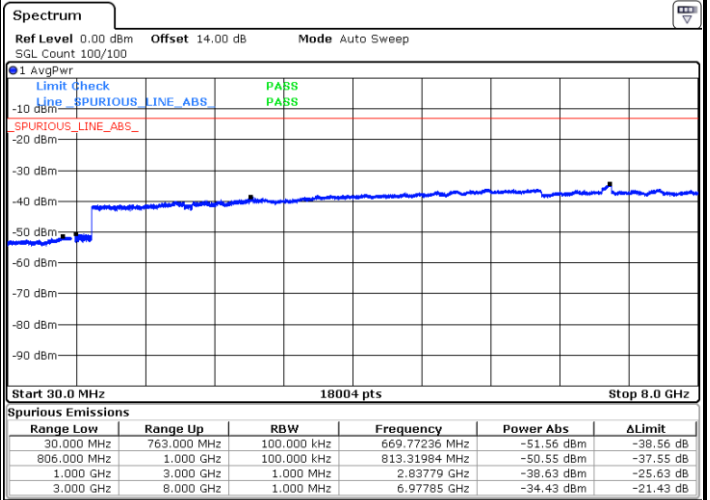
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 1.SEP.2017 06:21:45

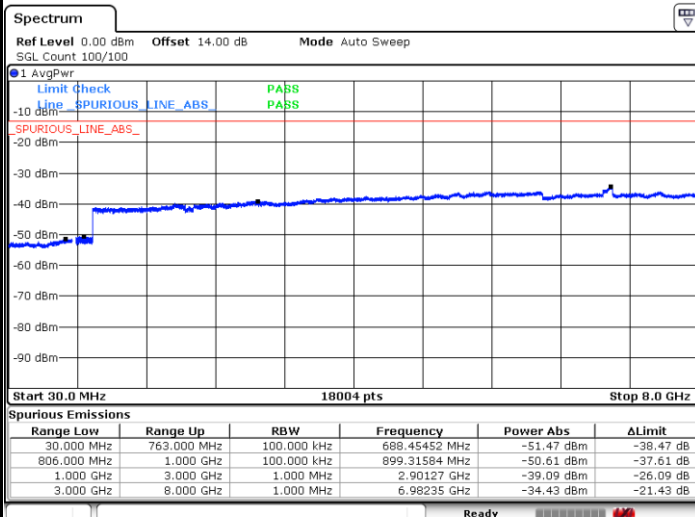
Highest Channel / 16QAM



Date: 1.SEP.2017 06:22:41

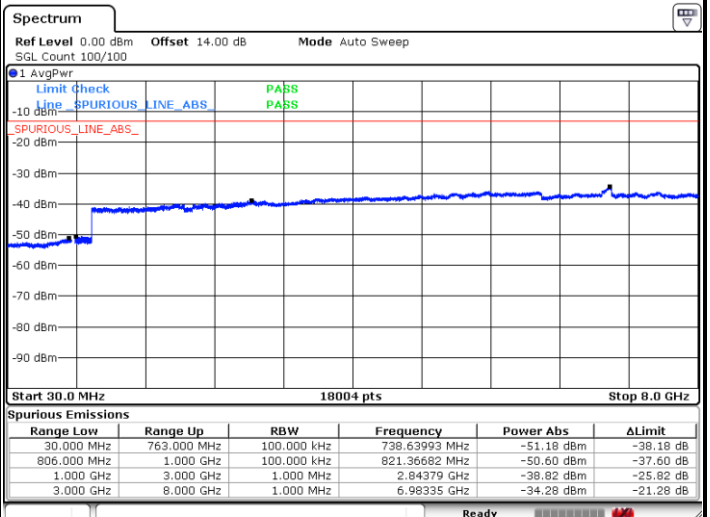
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 1.SEP.2017 06:34:16

Middle Channel / 16QAM



Date: 1.SEP.2017 06:35:12



Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0133	PASS
40	Normal Voltage	0.0115	
30	Normal Voltage	0.0098	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0092	
-20	Normal Voltage	0.0081	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0110	

Note:

1. Normal Voltage =12 V. ; Battery End Point (BEP) =8 V. ; Maximum Voltage =18 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0170	PASS
40	Normal Voltage	0.0127	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0141	
-10	Normal Voltage	0.0057	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0155	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

**Note:**

1. Normal Voltage =12 V. ; Battery End Point (BEP) =8V. ; Maximum Voltage =18 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 for Sample 1									
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	3463.74	-43.00	-13	-30.00	-56.82	-49.42	6.18	12.60	H
	5195.61	-32.43	-13	-19.43	-51.76	-37.39	7.74	12.70	H
	6927.48	-45.62	-13	-32.62	-67.83	-48.32	9	11.70	H
	3463.74	-50.03	-13	-37.03	-64.21	-56.45	6.18	12.60	V
	5195.61	-24.74	-13	-11.74	-44.74	-29.70	7.74	12.70	V
	6927.48	-47.50	-13	-34.50	-70.24	-50.20	9	11.70	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 for Sample 1									
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	3462.48	-37.28	-13	-24.28	-51.10	-43.70	6.18	12.60	H
	5193.72	-32.47	-13	-19.47	-51.81	-37.43	7.74	12.70	H
	6924.96	-44.85	-13	-31.85	-67.06	-47.55	9	11.70	H
	3462.48	-43.00	-13	-30.00	-57.18	-49.42	6.18	12.60	V
	5193.72	-27.08	-13	-14.08	-47.09	-32.04	7.74	12.70	V
	6924.96	-48.47	-13	-35.47	-71.21	-51.17	9	11.70	V

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

LTE Band 4 / 5MHz / QPSK for Sample 1									
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	3460.68	-55.02	-13	-42.02	-68.84	-61.44	6.18	12.60	H
	5191.02	-38.41	-13	-25.41	-57.75	-43.37	7.74	12.70	H
	6921.36	-47.20	-13	-34.20	-69.27	-49.90	9	11.70	H
	3460.68	-51.70	-13	-38.70	-65.88	-58.12	6.18	12.60	V
	5191.02	-35.16	-13	-22.16	-55.17	-40.12	7.74	12.70	V
	6921.36	-46.20	-13	-33.20	-68.82	-48.90	9	11.70	V

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



LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0 for Sample 1									
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	3456.18	-50.86	-13	-37.86	-64.52	-57.28	6.18	12.60	H
	5184.27	-37.34	-13	-24.34	-56.68	-42.30	7.74	12.70	H
	6912.36	-44.28	-13	-31.28	-66.35	-46.98	9	11.70	H
	3456.18	-55.06	-13	-42.06	-69.07	-61.48	6.18	12.60	V
	5184.27	-33.24	-13	-20.24	-53.26	-38.20	7.74	12.70	V
	6912.36	-43.80	-13	-30.80	-66.42	-46.50	9	11.70	V

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

LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0 for Sample 1									
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	3451.68	-48.99	-13	-35.99	-62.65	-55.41	6.18	12.60	H
	5177.52	-34.60	-13	-21.60	-53.94	-39.56	7.74	12.70	H
	6903.36	-39.60	-13	-26.60	-61.54	-42.30	9	11.70	H
	3451.68	-52.69	-13	-39.69	-66.7	-59.11	6.18	12.60	V
	5177.52	-31.64	-13	-18.64	-51.66	-36.60	7.74	12.70	V
	6903.36	-40.28	-13	-27.28	-62.78	-42.98	9	11.70	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0 for Sample 1									
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	3447.18	-47.76	-13	-34.76	-61.42	-54.18	6.18	12.60	H
	5170.77	-35.59	-13	-22.59	-54.92	-40.55	7.74	12.70	H
	6894.36	-39.18	-13	-26.18	-61.13	-41.88	9	11.70	H
	3447.18	-51.79	-13	-38.79	-65.8	-58.21	6.18	12.60	V
	5170.77	-32.96	-13	-19.96	-52.99	-37.92	7.74	12.70	V
	6894.36	-39.49	-13	-26.49	-62	-42.19	9	11.70	V

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





LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0 for Sample 2									
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	3463.74	-50.77	-13	-37.77	-64.59	-57.19	6.18	12.60	H
	5195.61	-37.50	-13	-24.50	-56.83	-42.46	7.74	12.70	H
	6927.48	-42.58	-13	-29.58	-64.79	-45.28	9	11.70	H
	3463.74	-54.47	-13	-41.47	-68.65	-60.89	6.18	12.60	V
	5195.61	-33.45	-13	-20.45	-53.45	-38.41	7.74	12.70	V
	6927.48	-41.72	-13	-28.72	-64.46	-44.42	9	11.70	V

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

LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0 for Sample 1									
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)
Middle	1559.68	-54.68	-42.15	-12.53	-62.38	-61.37	0.56	9.40	H
	2339.52	-62.77	-13	-49.77	-74.73	-70.48	0.74	10.60	H
	3119.36	-63.00	-13	-50.00	-76.57	-72.60	0.85	12.60	H
	1559.68	-56.29	-42.15	-14.14	-64.03	-62.98	0.56	9.40	V
	2339.52	-62.83	-13	-49.83	-74.53	-70.54	0.74	10.60	V
	3119.36	-62.70	-13	-49.70	-76.30	-72.30	0.85	12.60	V

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

LTE Band 13 / 10MHz / QPSK for Sample 1									
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)
Middle	1555.18	-51.18	-13	-38.18	-58.88	-57.87	0.56	9.40	H
	2332.77	-60.07	-13	-47.07	-72.14	-67.78	0.74	10.60	H
	3110.36	-62.39	-13	-49.39	-75.91	-71.99	0.85	12.60	H
	1555.18	-53.06	-13	-40.06	-60.80	-59.75	0.56	9.40	V
	2332.77	-61.13	-13	-48.13	-72.99	-68.84	0.74	10.60	V
	3110.36	-62.38	-13	-49.38	-75.91	-71.98	0.85	12.60	V

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



LTE Band 13 / 5MHz / QPSK / RB Size 1 Offset 0 for Sample 2									
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)
Middle	1559.68	-65.96	-42.15	-23.81	-73.66	-72.65	0.56	9.40	H
	2339.52	-44.20	-13	-31.20	-56.16	-51.91	0.74	10.60	H
	3119.36	-62.20	-13	-49.20	-75.77	-71.80	0.85	12.60	H
	3899.2	-52.95	-13	-39.95	-68.72	-62.55	0.85	12.60	H
	1559.68	-64.75	-42.15	-22.60	-72.49	-71.44	0.56	9.40	V
	2339.52	-36.28	-13	-23.28	-47.98	-43.99	0.74	10.60	V
	3119.36	-62.63	-13	-49.63	-76.23	-72.23	0.85	12.60	V
	3899.2	-58.40	-13	-45.40	-74.33	-68.00	0.85	12.60	V

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



## **Appendix D. Product Equality Declaration**

# Mobile Devices Ingenierie

100 Avenue de Stalingrad 94800 Villejuif FRANCE

Date: September 22, 2017

## Product Equality Declaration

We, Mobile Devices Ingenierie, declare on our sole responsibility for the product of OBD V6 Cat1 Verizon: with SIM card connector (no eSIM chipset) with an internal battery using the:

- PCB for battery: PCB00118
- PCB for Processor board: PCB00127
- PCB of Cellular board: PCB00141

are exactly the same with the following 2 variants:

- OBD V6 4G Cat1 Verizon: with eSIM chipset (no Simcard connector) and an internal battery
- OBD V6 4G Cat1 Verizon: with SIM card connector (no eSIM chipset) without the internal battery/PCB00118

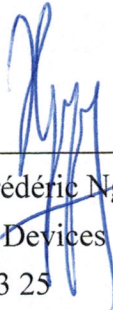
except for the differences mentioned below.

The differences between the three configurations of OBD V6 4G Cat1 Verizon (among which, the configuration of SIM card connector with the internal battery is assigned for FCC certification) are:

- **About the eSIM chipset or SIM card connector:** both components could not be soldered in the Cellular PCB board, so either it is the eSIM chipset or either it is the SIM card connector
- **About with or without the internal battery:** Either you put inside of the device the internal battery with its PCB00118 or either you decide to remove them of the device

Except for the differences specified above, other parts of the device (including but not limited to layout, circuit, antenna, components, and mechanical design) are identical for the original model and variant models.

Sincerely yours



Contact Person: Frédéric Nguyen

Company: Mobile Devices Ingénierie

Tel: +33 1 42 11 93 25

E-Mail: frederic.nguyen@mobile-devices.fr