

KATHREIN Automotive GmbH & Co. KG, Roemerring 1, 31137 Hildesheim

Declaration

December 18, 2015

To whom it may concern:

We

KATHREIN Automotive GmbH & Co. KG
Roemerring 1
31137 Hildesheim

declare that the antenna options for LTE Compensator US
FCC ID: 2ACC7LTECOMPB0 were done for 3 Outside Antenna combinations.
Inside Antenna options are not applicable for the model LTECOMPB0 due to
fixed mounted cradles with an integrated antenna. Cradle Antennas are
considered within the Mobile Station Coupling Losses (MSCL) documentation.

Outside Antenna combinations:

1. DA GSS/TEL/TEL/SDARS LTE
2. Telefonantenne1 Frontend Folie
3. ECU-01 R1-US-3G / ANT 3G TEL GPS SDARS

Product Name: Compensator US
Brand: KATHREIN Automotive
Model Number: LTECOMPB0

Yours Faithfully,



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Fixed Outside Antenna Combinations

FCC ID: 2ACC7LTECOMPB0

Final Output Power Limited to 30 dBm EIRP in all frequency bands.

	Band 12/17	Band 13	Band 5	Band 4	Band 2
Uplink Frequency (MHz)	698-716	777-787	824-849	1710-1755	1850-1910
Max. Uplink Output Power incl. production tolerance (dBm)	22	22	24	22	24

1 DA GNSS/TEL/TEL/SDARS LTE

9350090-01

Antenna Gain (dBi)	-0,83	0,75	-0,26	2,66	3,15
Coax Loss (dB) - min. cable length 1 m	0,48	0,50	0,52	0,78	0,80
Final Gain less Loss (dB)	-1,31	0,25	-0,78	1,88	2,35
Output Power plus Final Gain (dBm EIRP)	20,69	22,25	23,22	23,88	26,35

2 Telefonantenne1 Frontend Folie

9273669

Antenna Gain (dBi)	-2,5	-4	-3	-5	-4
Coax Loss (dB) - min. cable length 1 m	0,48	0,50	0,52	0,78	0,80
Final Gain less Loss (dB)	-2,98	-4,50	-3,52	-5,78	-4,80
Output Power plus Final Gain (dBm EIRP)	19,02	17,5	20,48	16,22	19,2

3 ECU-01 R1-US-3G + ANT 3G TEL GPS SDARS

9395306-01 + 9303036-03

Antenna Gain (dBi)	-3,59	-6,07	-3,26	0,28	0,48
Coax Loss (dB) - min. cable length 1 m	0,48	0,50	0,52	0,78	0,80
Final Gain less Loss (dB)	-4,07	-6,57	-3,78	-0,5	-0,32
Output Power plus Final Gain (dBm EIRP)	17,93	15,43	20,22	21,5	23,68