

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

December 18, 2015

To whom it may concern:

Subject: Mobile Station Coupling Losses (MSCL) For FCC ID: 2ACC7LTECOMPB0

The MSCL calculations for the model LTECOMPB0 were done for 3 Cradle options.

Cradle option:

1. WCH-173
WCH-187
2. WCH-184
3. WCA Small BMW

Product Name: Compensator US

Brand: KATHREIN Automotive

Model Number: LTECOMPB0

Yours Faithfully,



Name: Dr. Markus Hoffmeister

Title: Managing Director / CTO

Tel: +49 5121 99 814 61

Email address: markus.hoffmeister@kathreinautomotive.com

MSCL Calculation

FCC ID: 2ACC7LTECOMPB0

	Band 12/17	Band 13	Band 5	Band 4	Band 2
Uplink Frequency (MHz)	699-716	777-787	824-849	1710-1755	1850-1910

1 WCH-173**WCH-187**

Cradle min. Coupling Loss RX/TX (dB)	12	11	7	8	13
Coax Cable Loss (dB)					
Type RTK031 min. cable length 3 m	1,4	1,5	1,6	2,3	2,4
MSCL (dB)	13,4	12,5	8,6	10,3	15,4

2 WCH-184

Cradle min. Coupling Loss RX/TX (dB)	5	5	7	9	10
Coax Cable Loss (dB)					
Type RTK031 min. cable length 3 m	1,4	1,5	1,6	2,3	2,4
MSCL (dB)	6,4	6,5	8,5	11,3	12,4

3 WCA Small BMW

Cradle min. Coupling Loss RX/TX (dB)	4,5	4,5	5	4	5
Coax Cable Loss (dB)					
Type RTK031 min. cable length 3 m	1,4	1,5	1,6	2,3	2,4
MSCL (dB)	5,9	6,0	6,6	6,3	7,4