

KATHREIN Automotive GmbH, Roemerring 1, 31137 Hildesheim

September 24, 2018

To whom it may concern:

Subject: Mobile Station Coupling Losses (MSCL) For FCC ID: 2ACC7LTECOMPB1

The MSCL calculations for the model LTECOMPB1 were done for 3 Cradle options.

Cradle option:

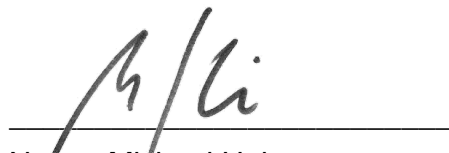
1. WCH-173
WCH-187
2. WCH-184
3. WCA Small BMW

Product Name: Compensator US

Brand: KATHREIN Automotive

Model Number: LTECOMPB1

Yours Faithfully,



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MSCL Calculation

FCC ID: 2ACC7LTECOMPB1

| | 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 |