

Annex 1: Measurement diagrams
TEST REPORT
 No.: 17-1-0290002T09a-C1

According to:
FCC Regulations
 Part 15.225

ISED-Regulations
 RSS-Gen, Issue 4
 RSS-210, Issue 9

for

Peiker acoustic GmbH

Wireless Mobile Interface
 WMI2-W167

FCC ID: QWY-WMI2W167
 ISED ID: 6588A-WMI2W167







Laboratory Accreditation and Listings		
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 Accredited EMC-Test Laboratory	 Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-4452, C-20009, T-20006, G-20013
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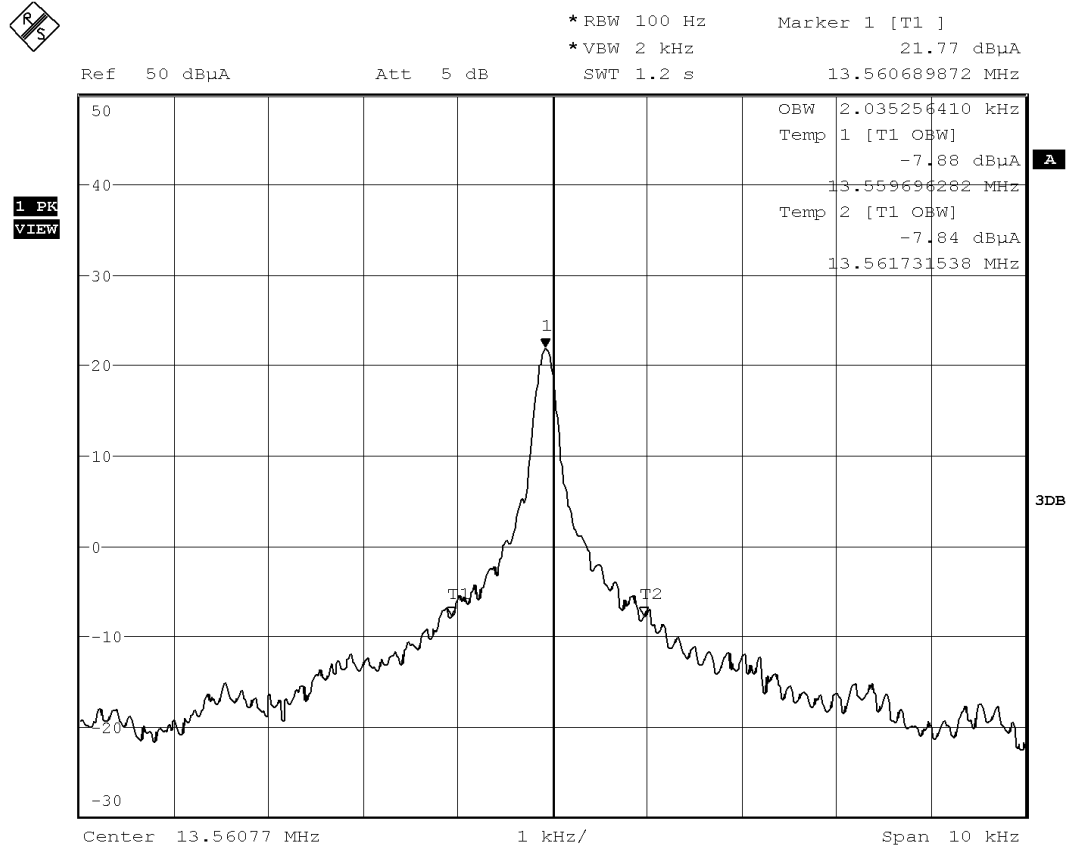
Table of contents

1. MEASUREMENT DIAGRAMS	3
1.1. Operating frequency ranges (99% OBW)	3
1.2. H-Field requirements (§15.225 (a)(b)(c))	4
1.3. Transmitter spurious emissions	6
1.4. Frequency tolerance of the carrier signal due temperature variations (§15.255(e))	8
1.5. Frequency tolerance of the carrier signal due voltage variations (§15.255(e))	9

1. Measurement diagrams

1.1. Operating frequency ranges (99% OBW)

1.1.1. T_{NOM}, V_{NOM}



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Diagram 1: OBW 99%

1.2. H-Field requirements (§15.225 (a)(b)(c))

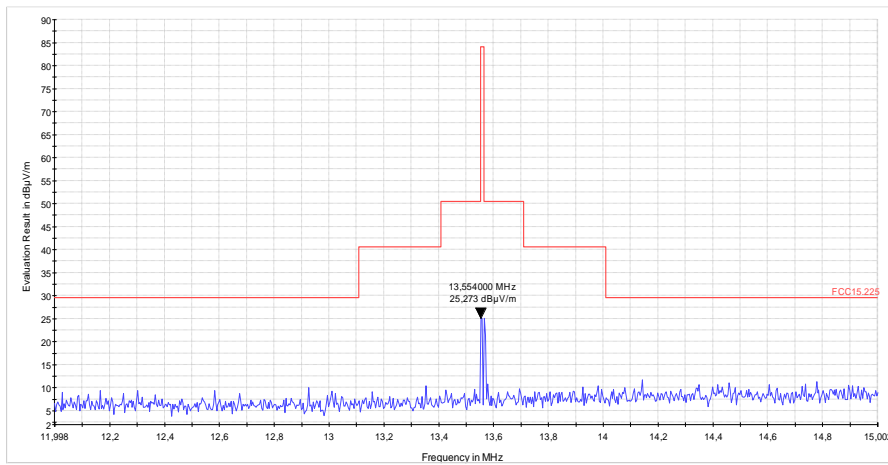


Diagram 2: EUT laying, set-up 1

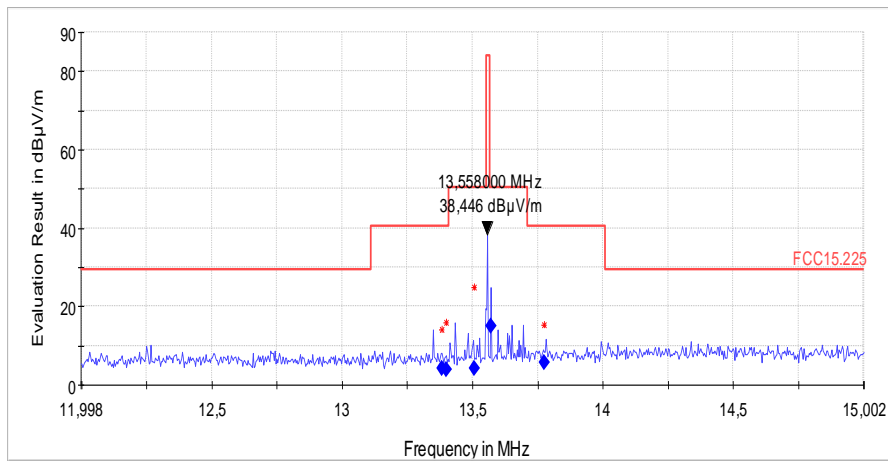


Diagram 3: EUT standing, set-up 1

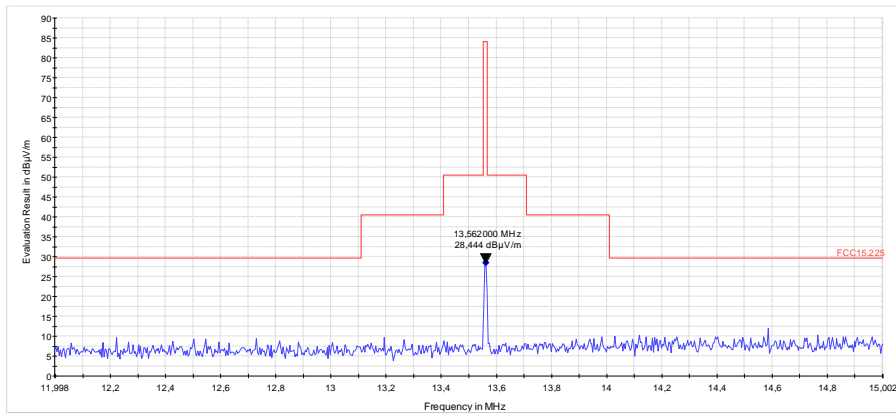


Diagram 4: EUT laying, set-up 2

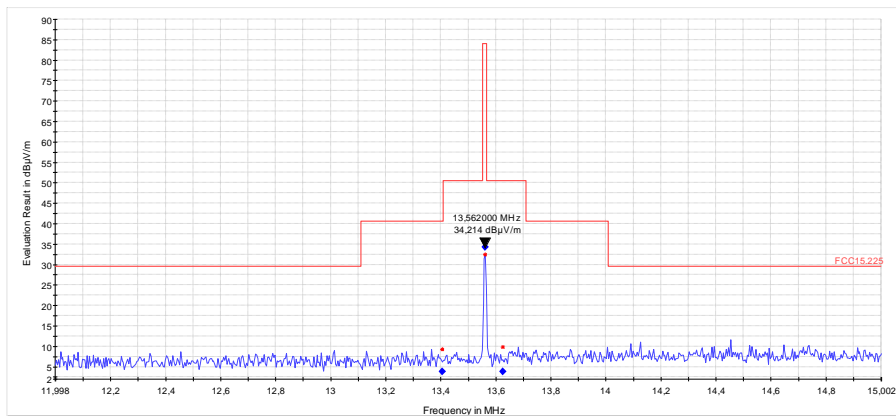


Diagram 5: EUT standing, set-up 2

1.3. Transmitter spurious emissions

1.3.1. Frequency 9kHz to 30MHz

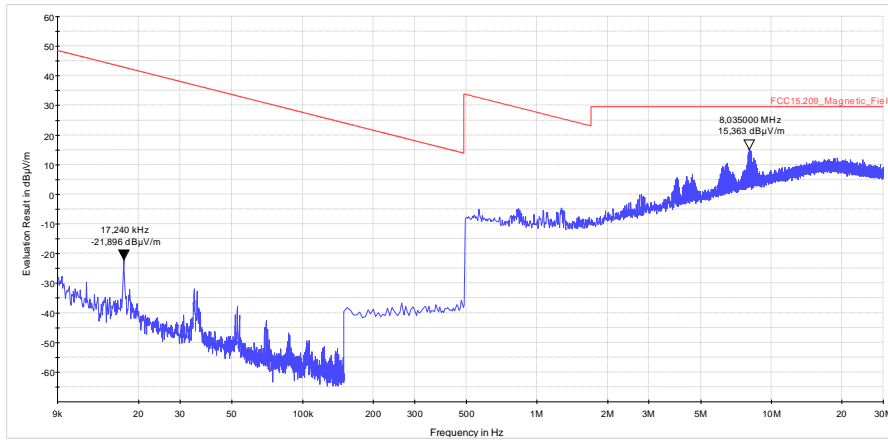


Diagram 6: TX spurious emissions up to 30MHz, set-up. 2, EUT standing

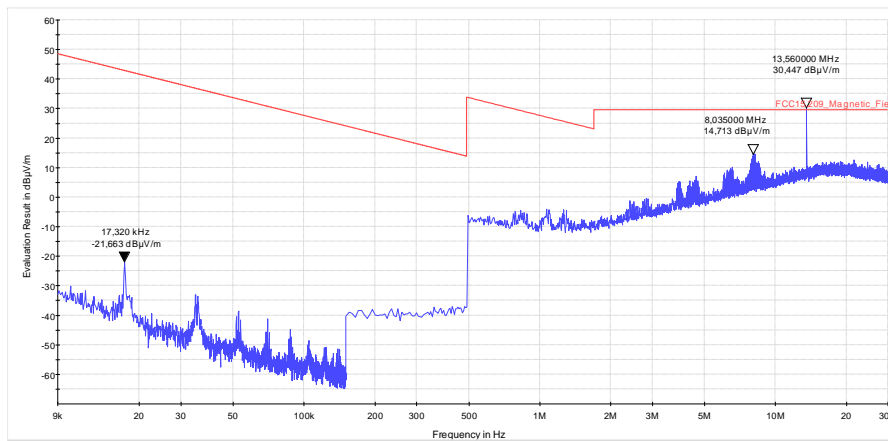
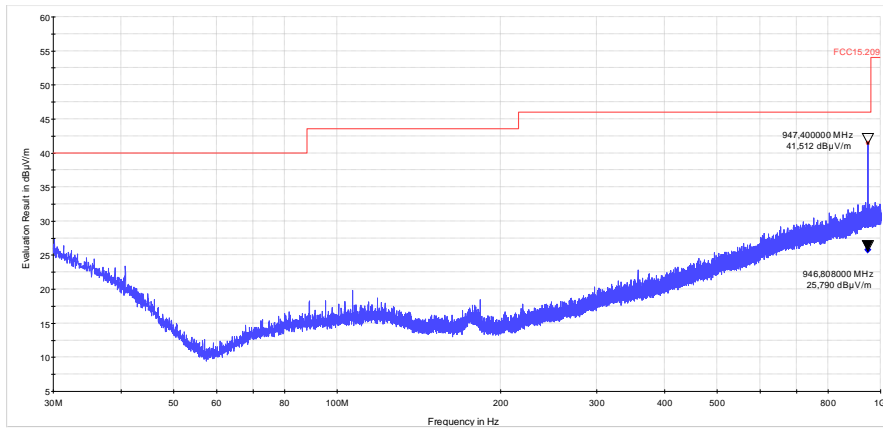
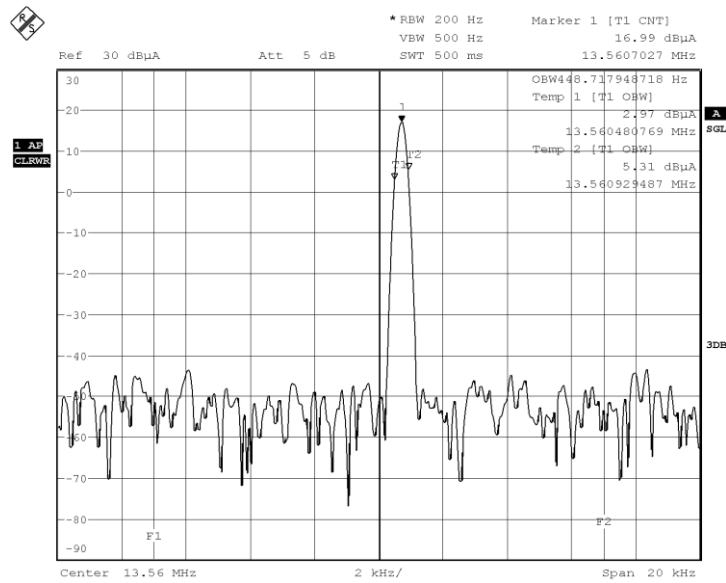


Diagram 7: TX spurious emissions up to 30MHz, set-up 1, EUT standing

1.3.2. Frequency 30MHz to 1000MHz**Diagram 8:** *E-Field measurements, Op. 1*

1.4. Frequency tolerance of the carrier signal due temperature variations (§15.255(e))

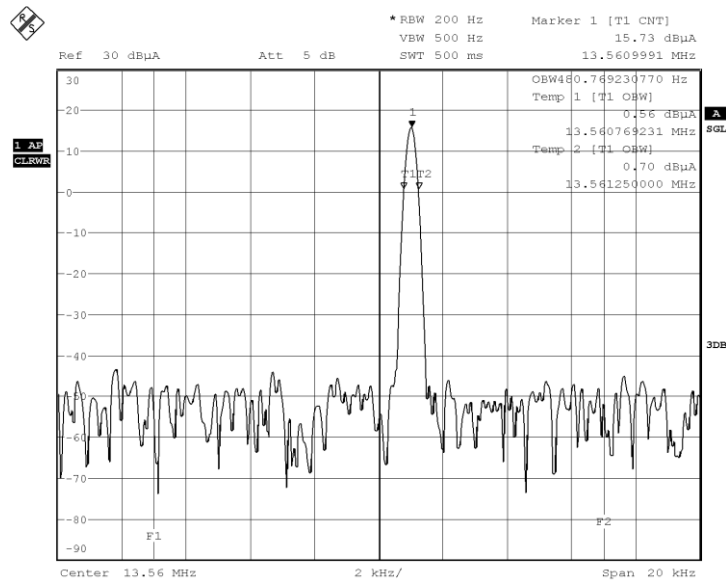
1.4.1. T_{NOM}, V_{NOM}



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Diagram 9: Carrier frequency under nominal stabilized condition as the reference

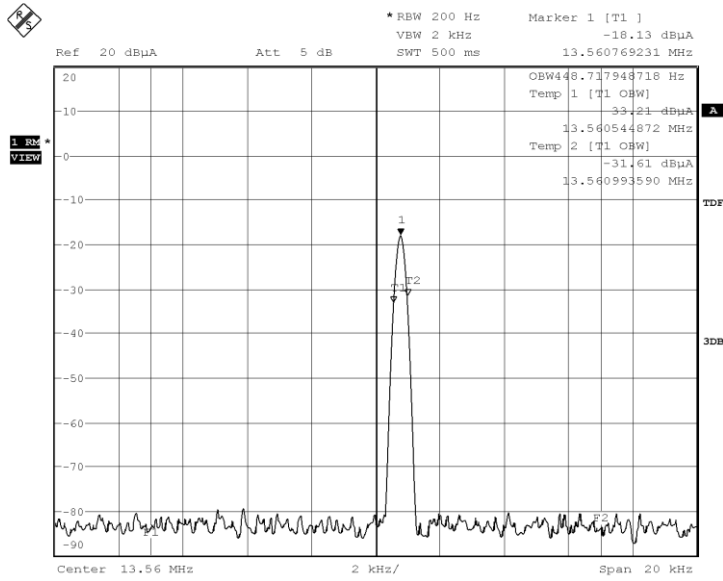
1.4.2. T = -20 °C, V_{NOM} (worst case)



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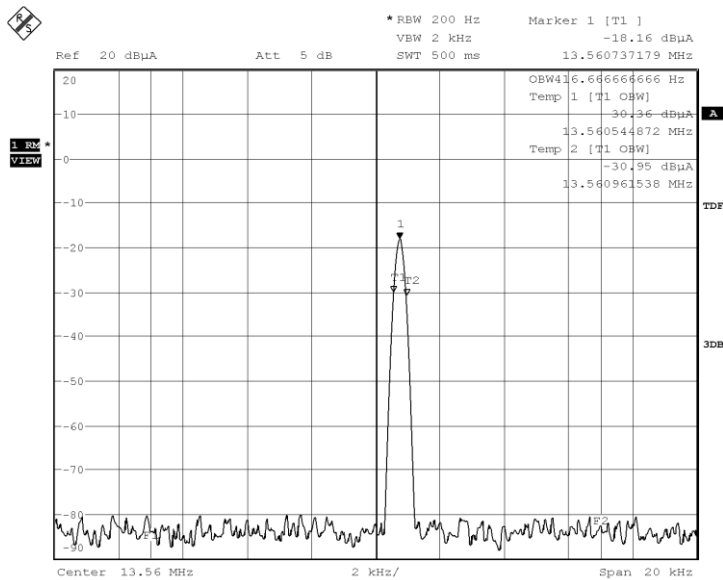
Diagram 10: Carrier frequency under -20 °C, 2 min after startup (worst case from the temperature variation and within 10 min after startup of the EUT)

1.5. Frequency tolerance of the carrier signal due voltage variations (§15.255(e))



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Diagram 11: Frequency error at 85% U_{NOM}



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Diagram 12: Frequency error at 115% U_{NOM}