

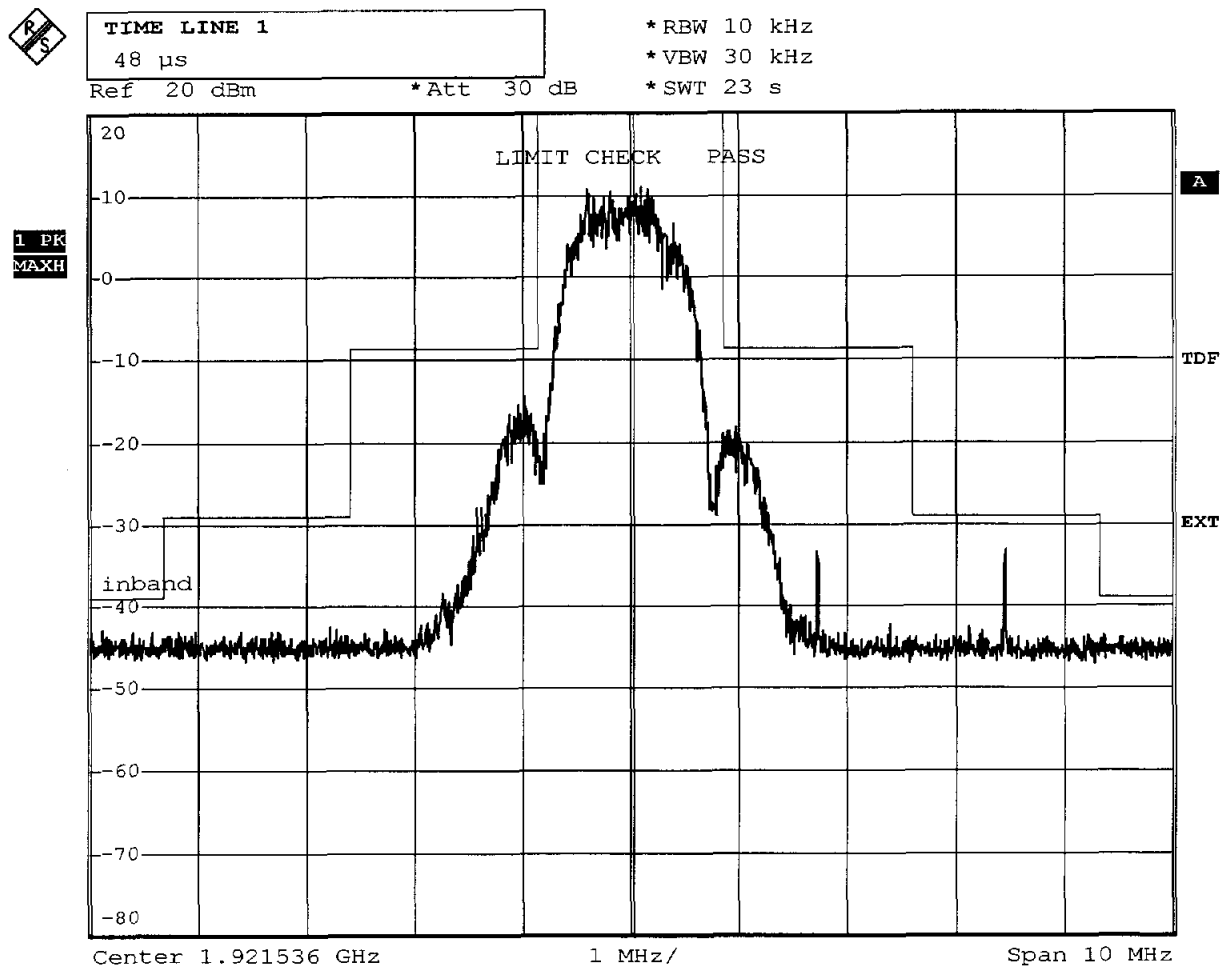
## Appendix R

Emissions inside and outside the sub-band

# FCC Part 15.323(d.2) In-band unwanted emission

## Testprocedure ANSI 63.17-1998 6.1.6.1 UPCS

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
	1.728MHz

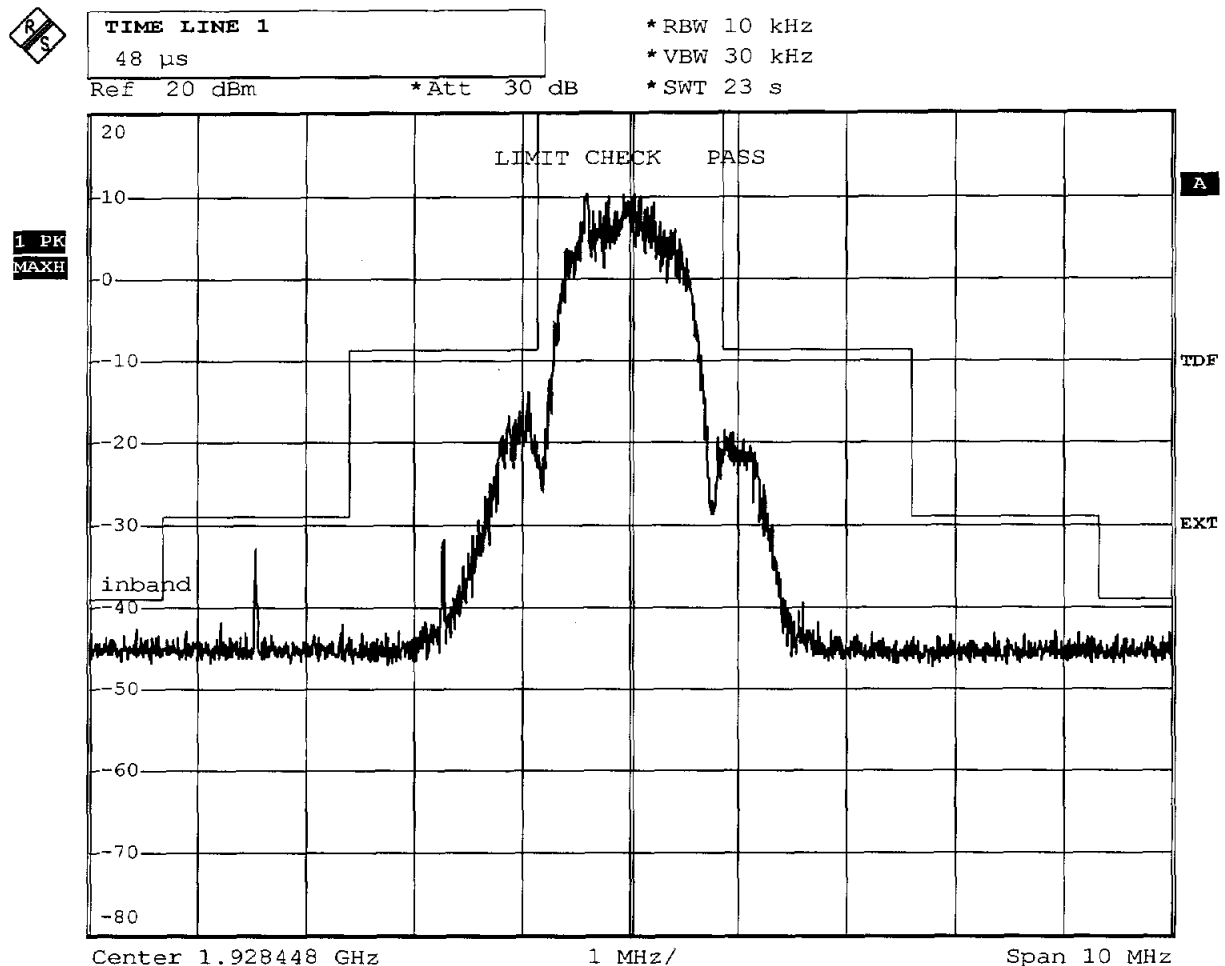


Comment: Ansi C63.17-1998 6.1.6.1  
Date: 15.MAR.2006 15:26:47

Measurement diagram

**Testprocedure ANSI 63.17-1998 6.1.6.1**  
**UPCS**

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.1 In-band unwanted emission
	1.728MHz

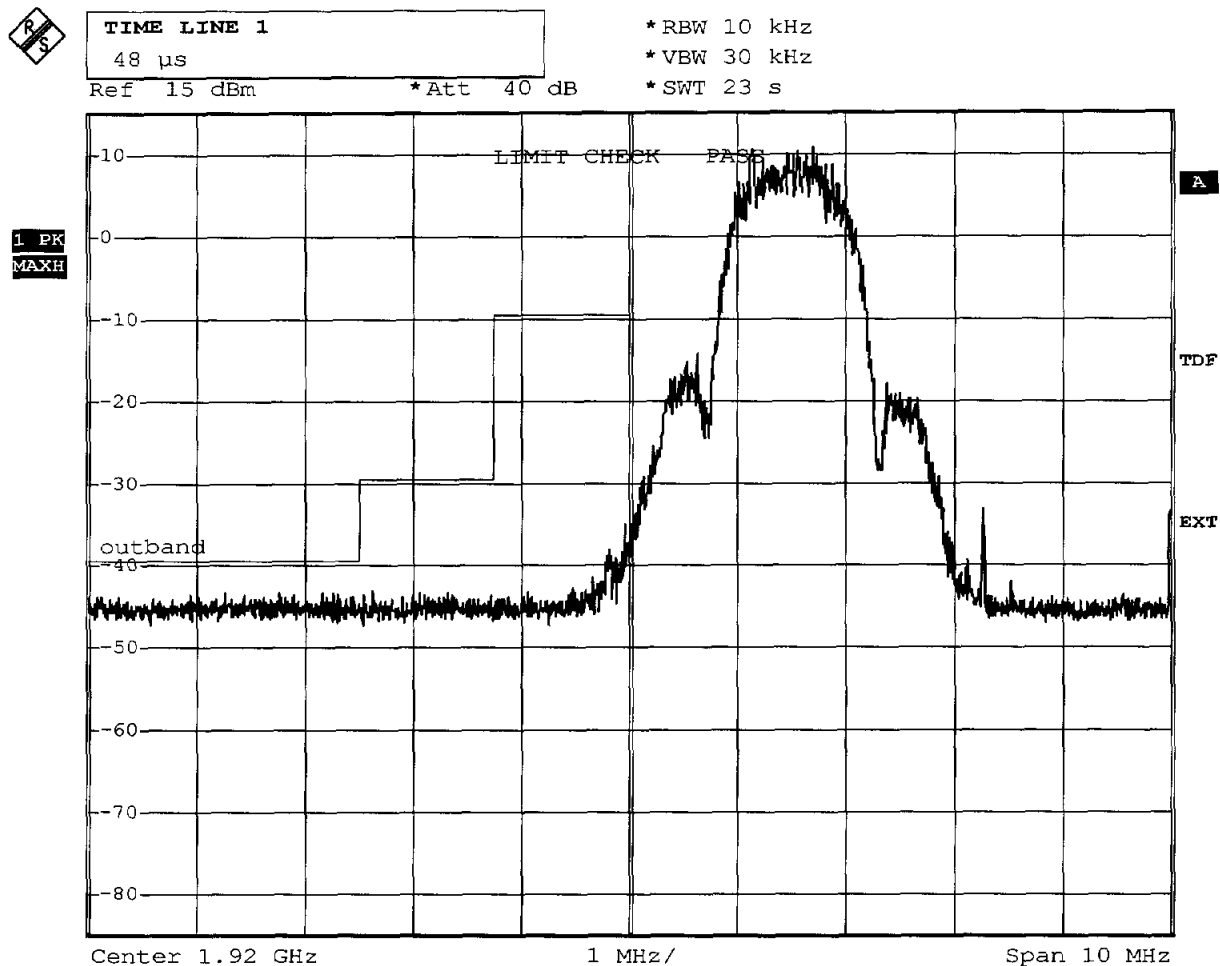


Comment: Ansi C63.17-1998 6.1.6.1  
Date: 15.MAR.2006 15:28:30

**Testprocedure ANSI 63.17-1998 6.1.6.2**  
**UPCS**

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

Carrier=1921.536MHz



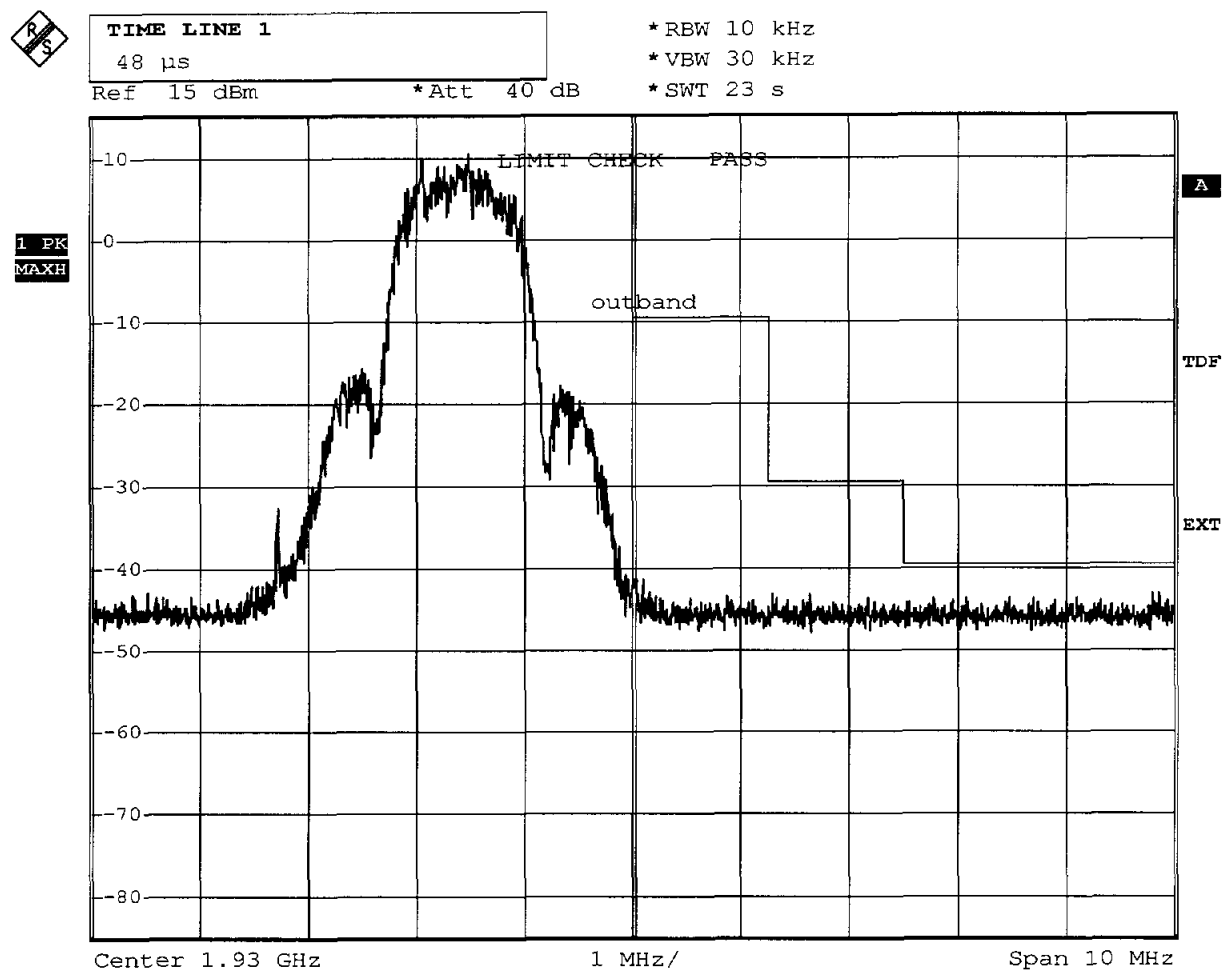
Comment: Ansi C63.17-1998 6.1.6.2  
Date: 15.MAR.2006 15:32:31

# FCC Part 15.323(d.1) Out-of-band emission

## Testprocedure ANSI 63.17-1998 6.1.6.2 UPCS

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.1.6.2 Out-of-band emission

measurement on the highest carrier  
Carrier=1928.448MHz



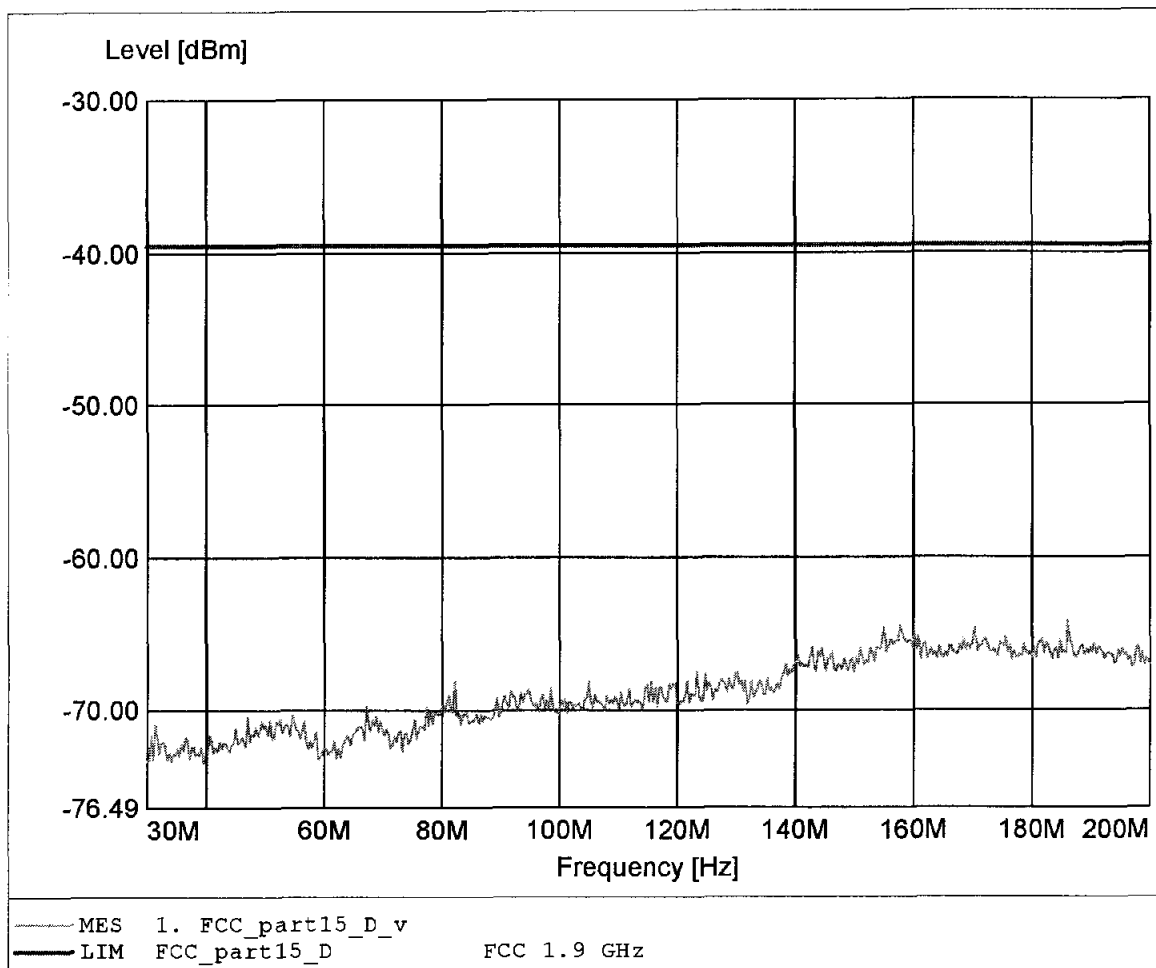
Comment: Ansi C63.17-1998 6.1.6.2  
Date: 15.MAR.2006 15:34:11

Measurement diagram

# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

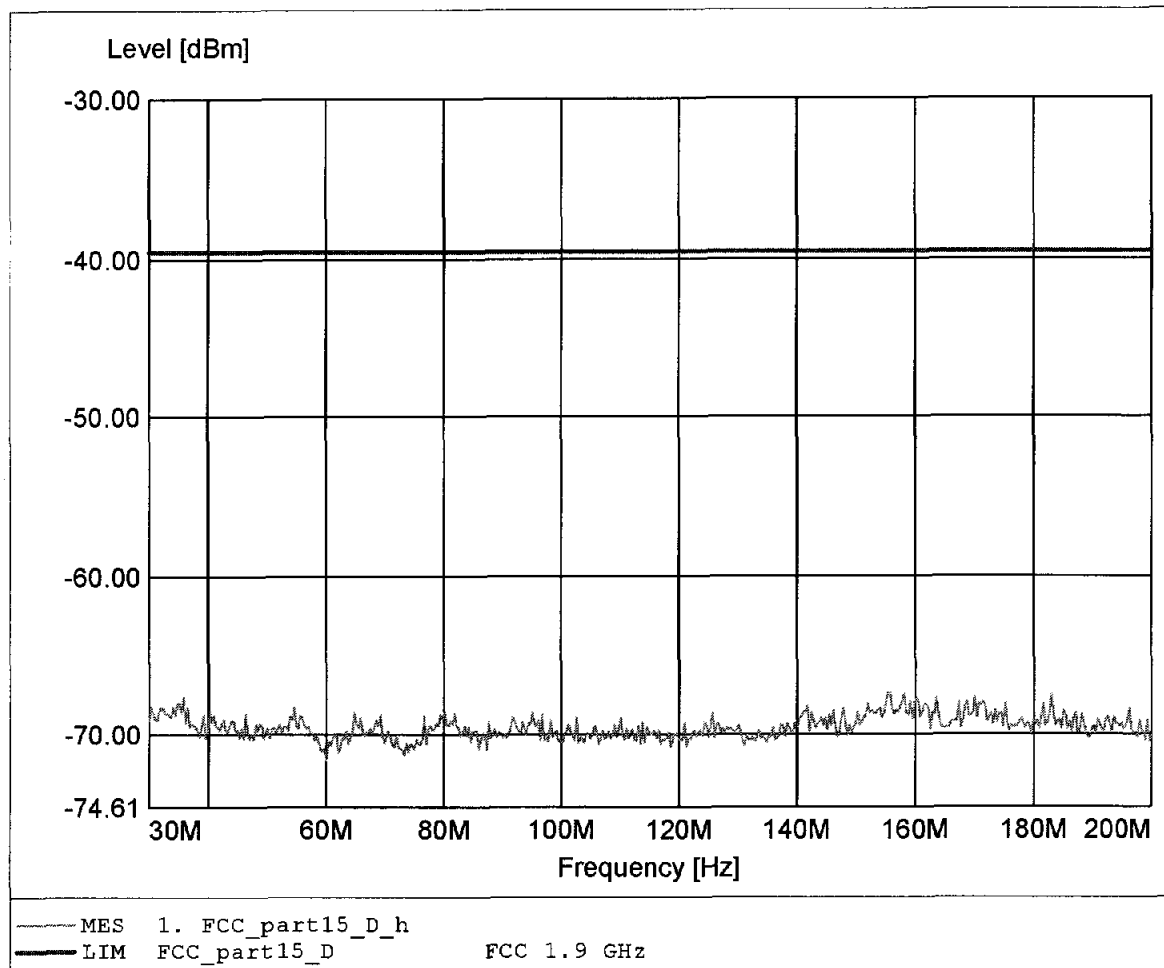
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:186.032MHz Pmax:-64.15dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

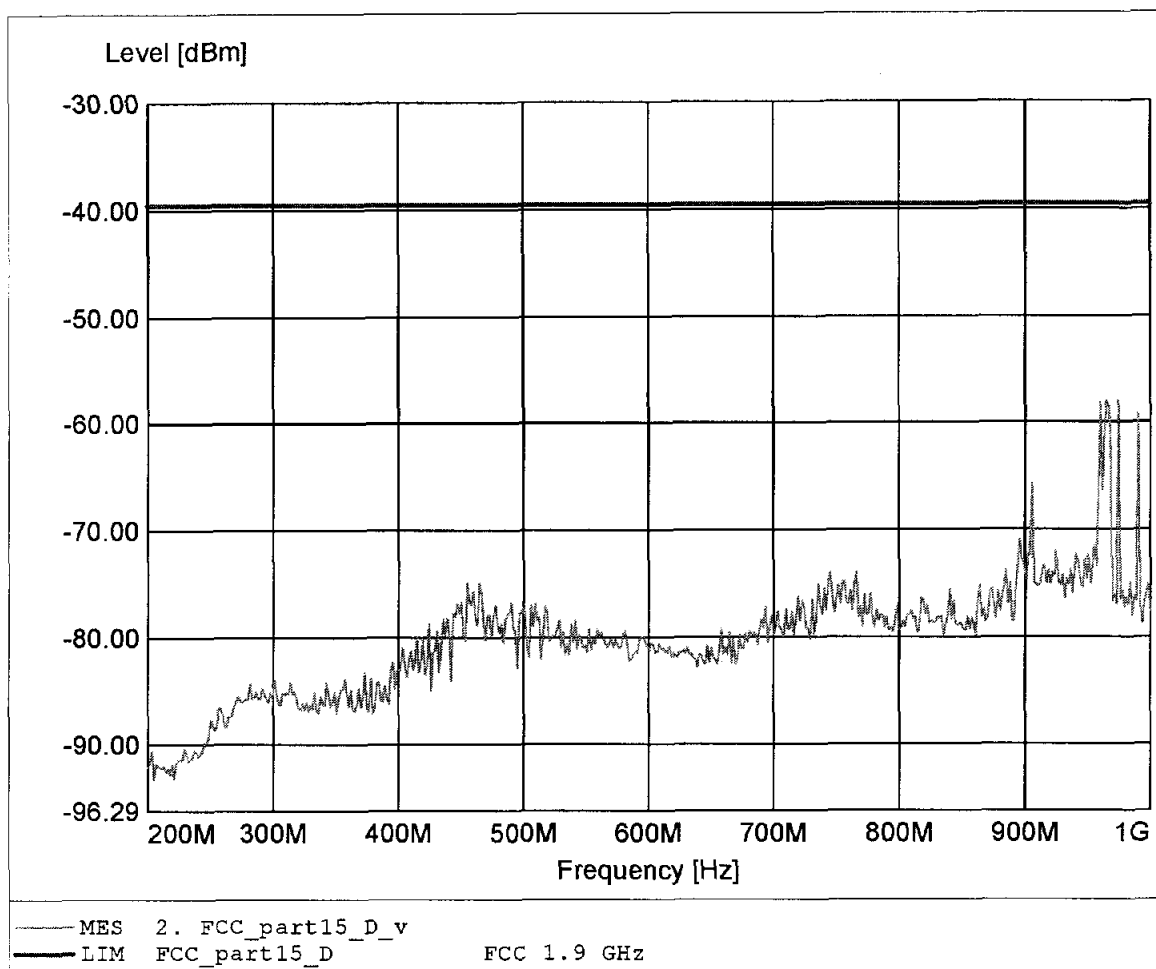
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:155.711MHz Pmax:-67.35dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq:964.729MHz Pmax:-58.00dBm RBW: 100 kHz

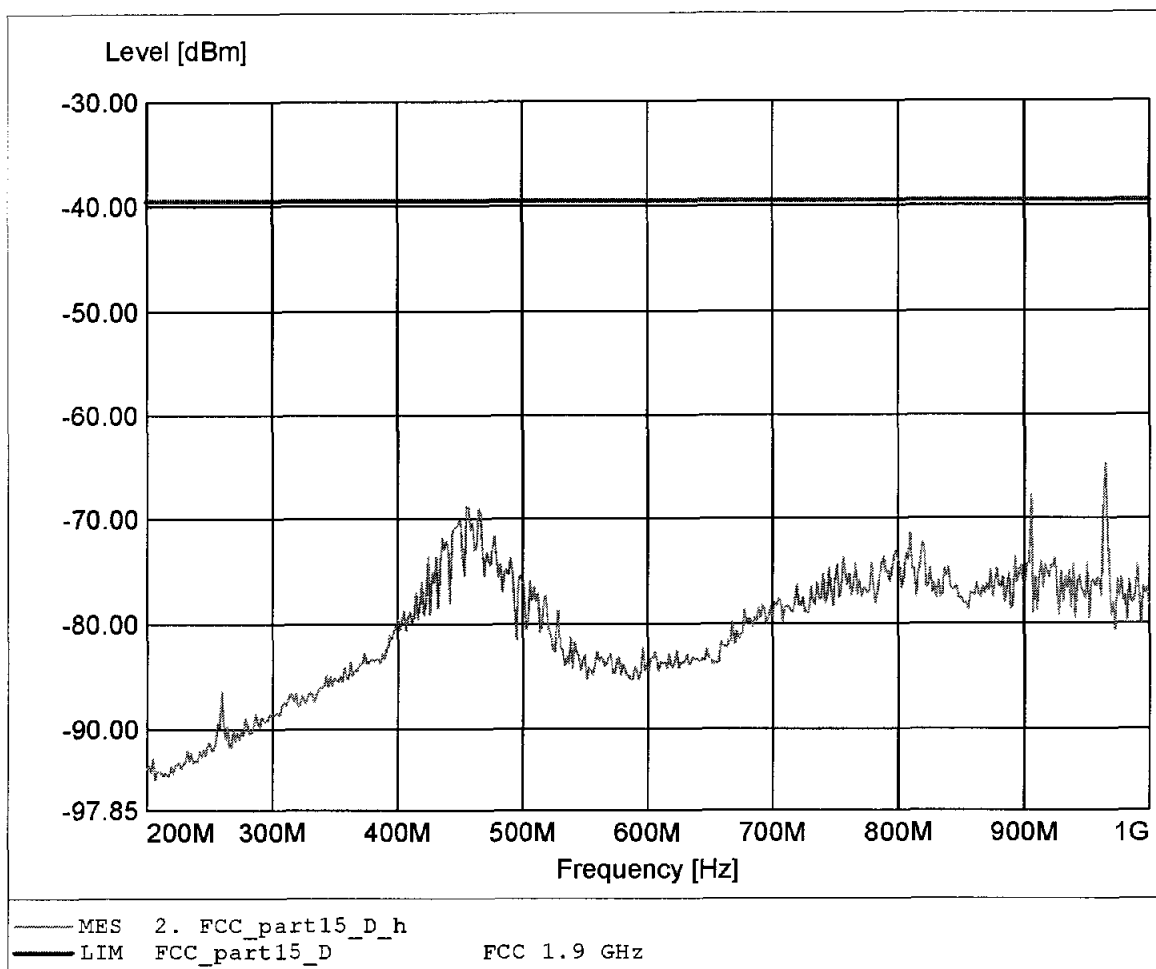




# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

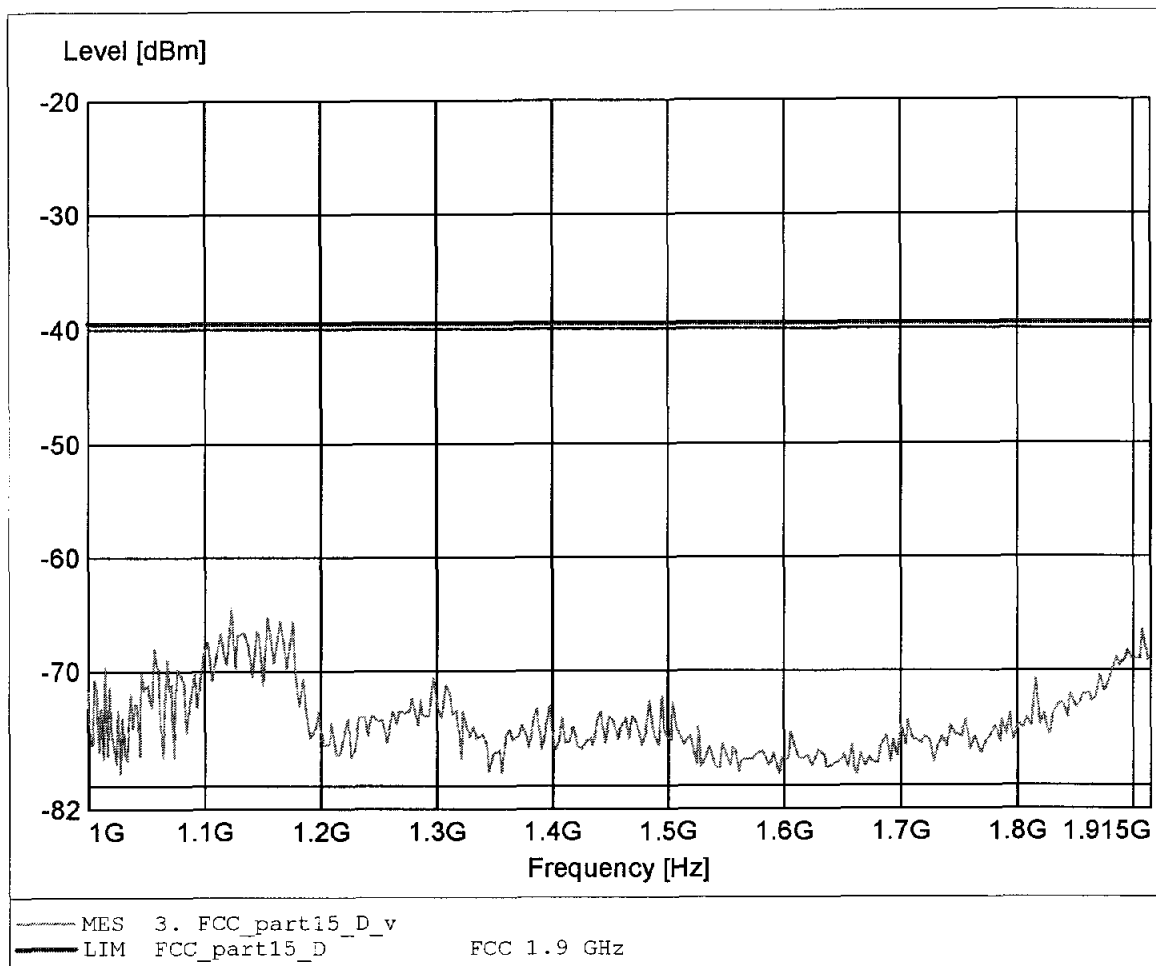
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 964.729MHz Pmax: -64.78dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

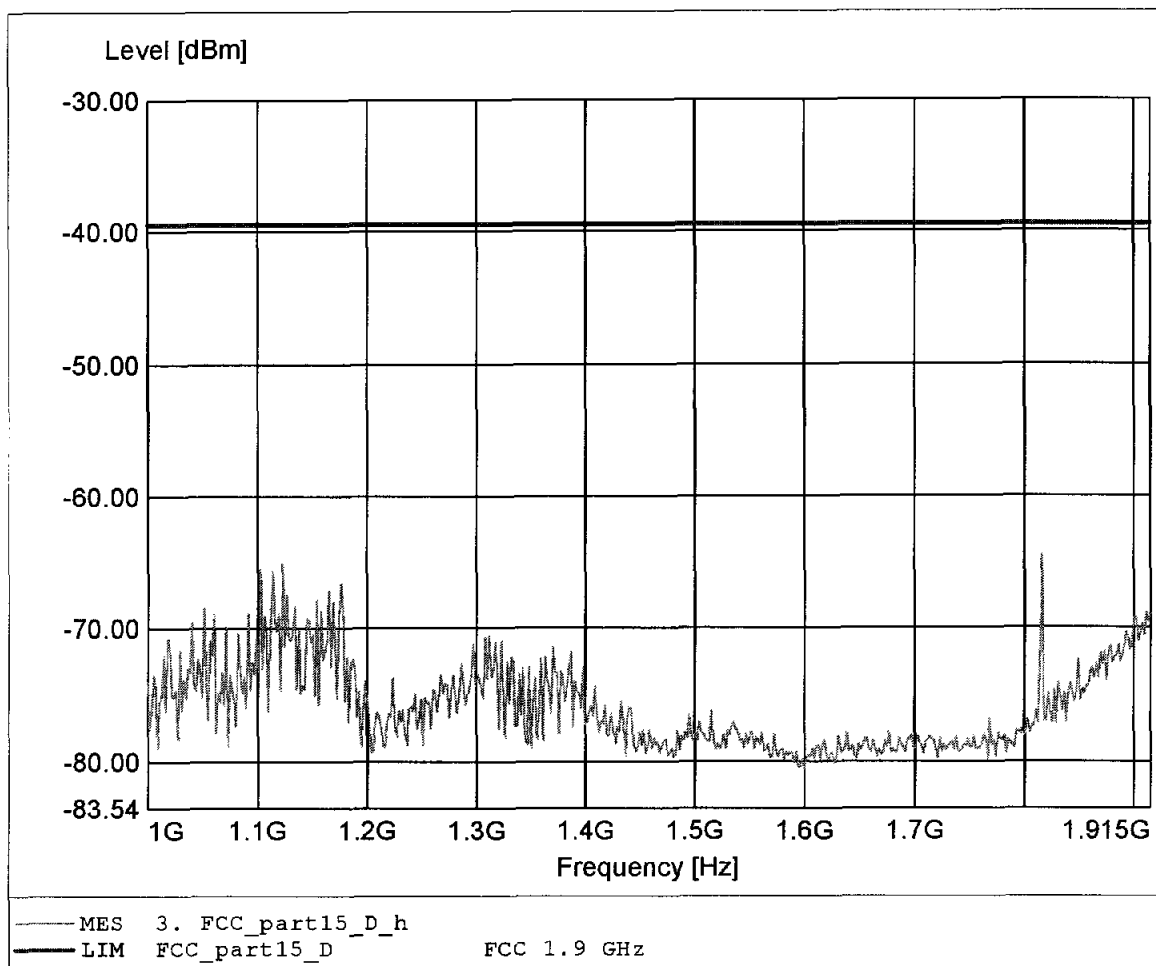
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 1.123GHz Pmax: -64.51dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

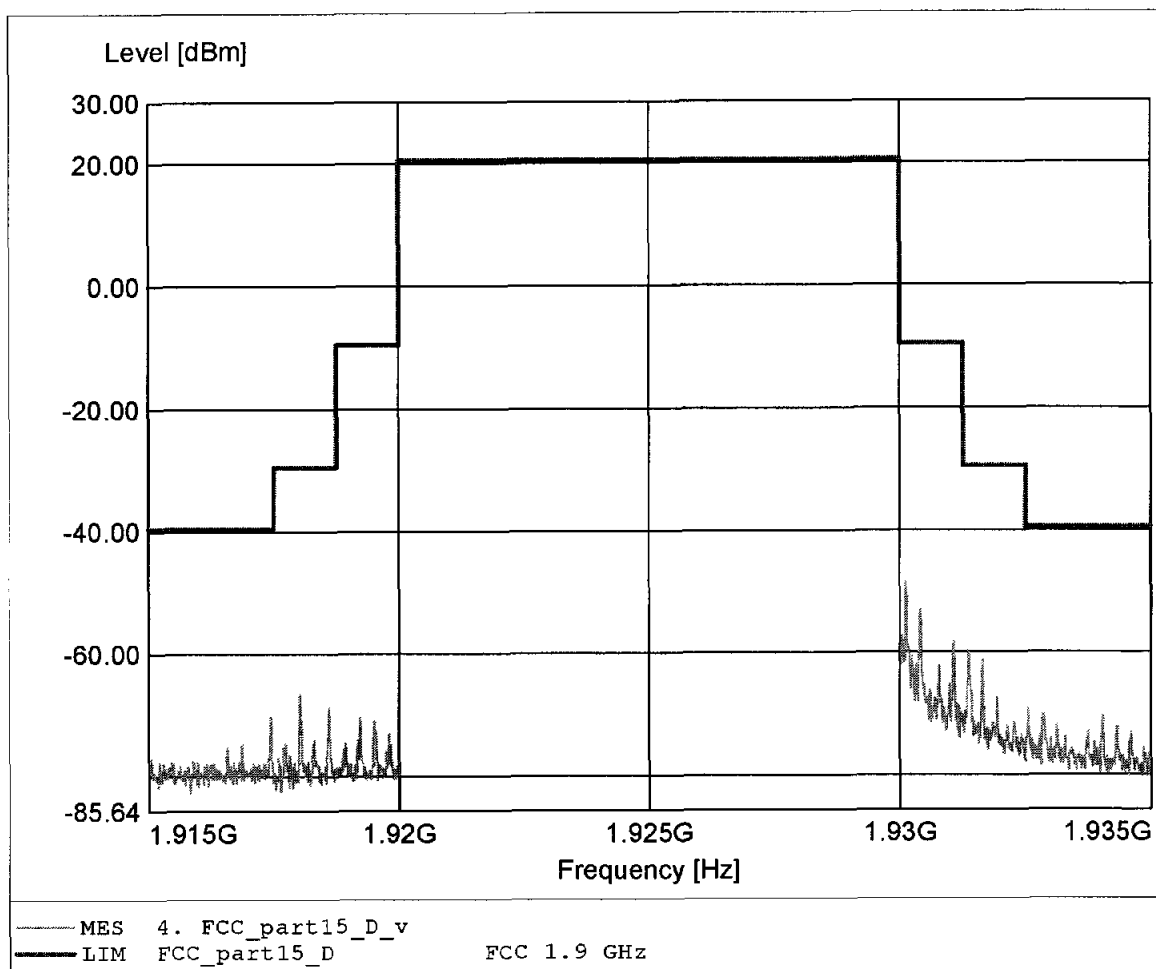
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 1.816GHz Pmax: -64.55dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

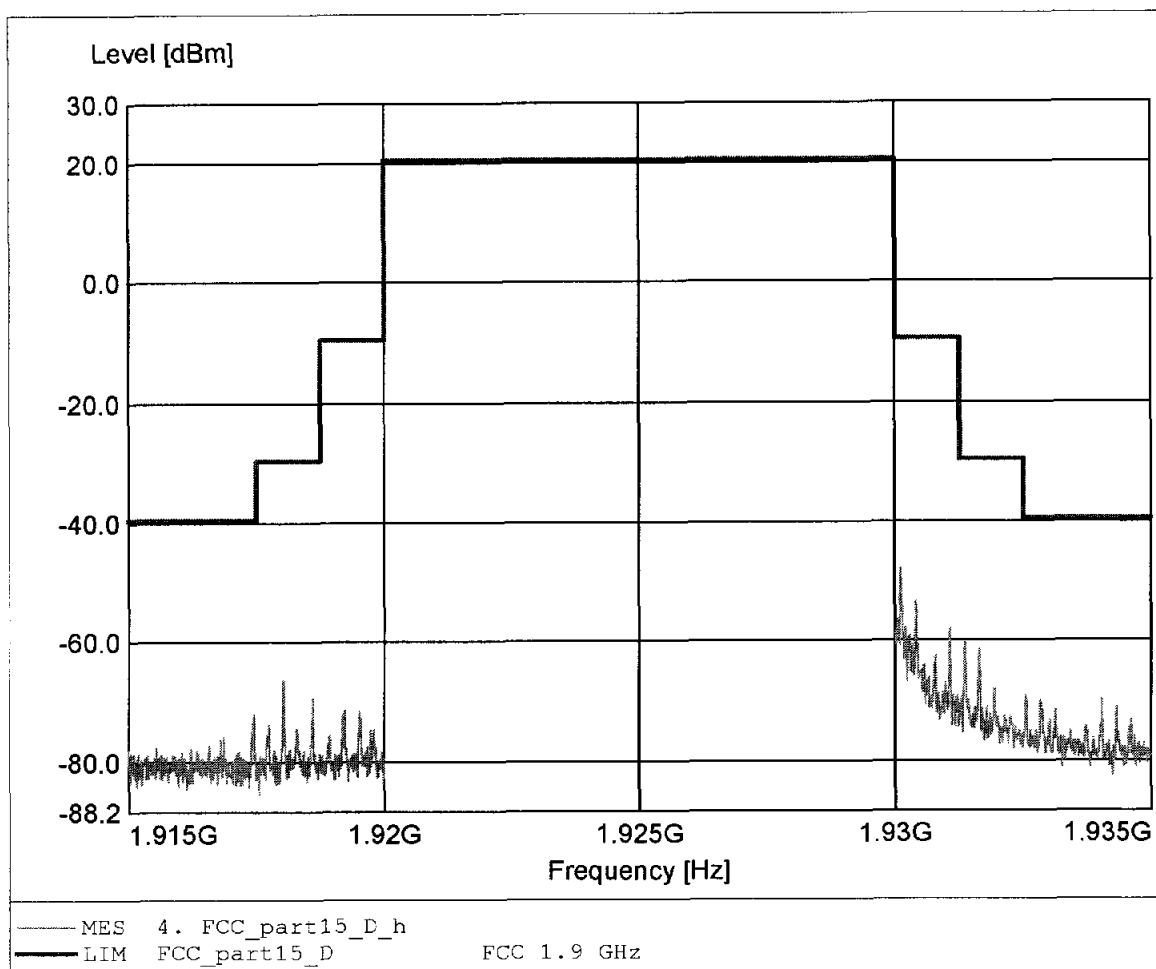
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.930GHz Pmax:-48.57dBm RBW: 10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

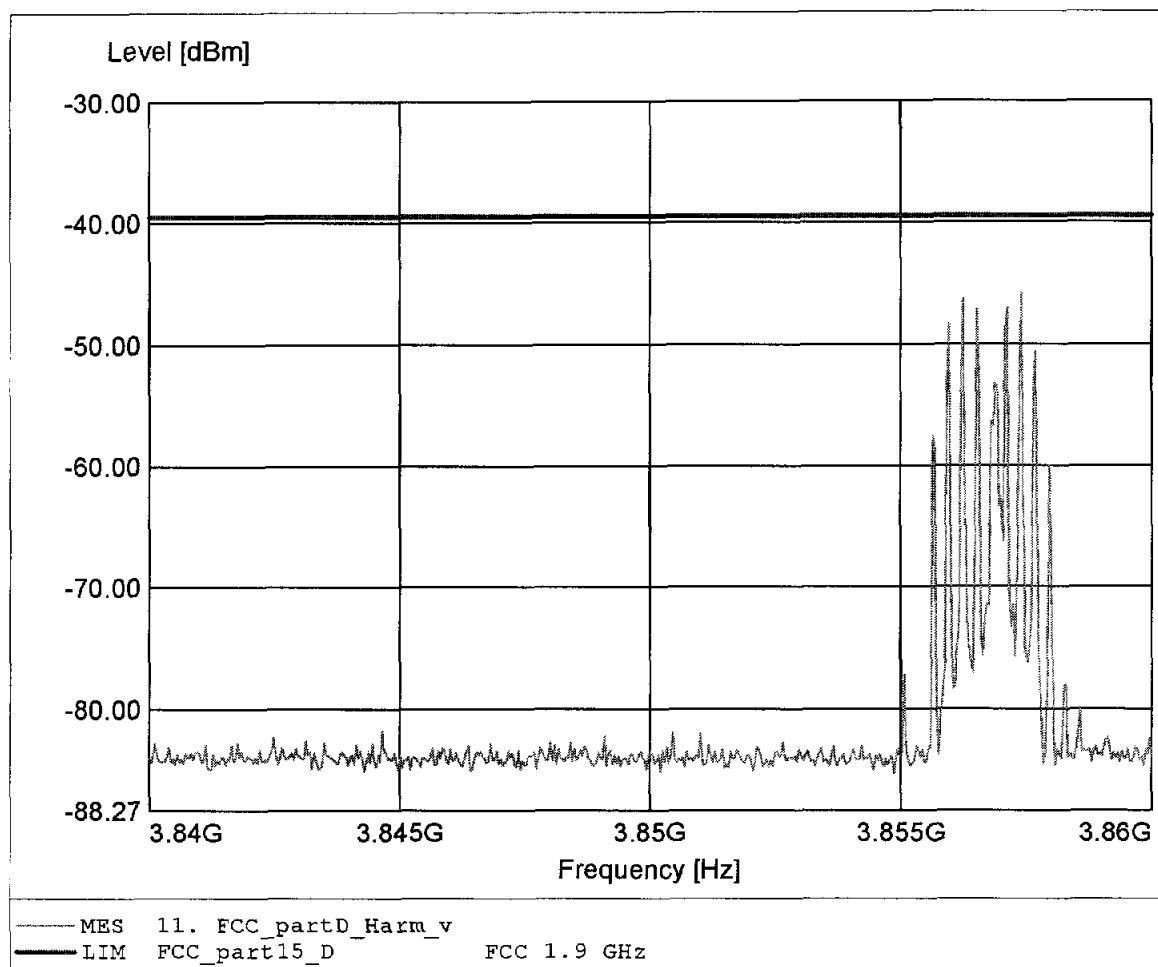
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.930GHz Pmax:-48.02dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

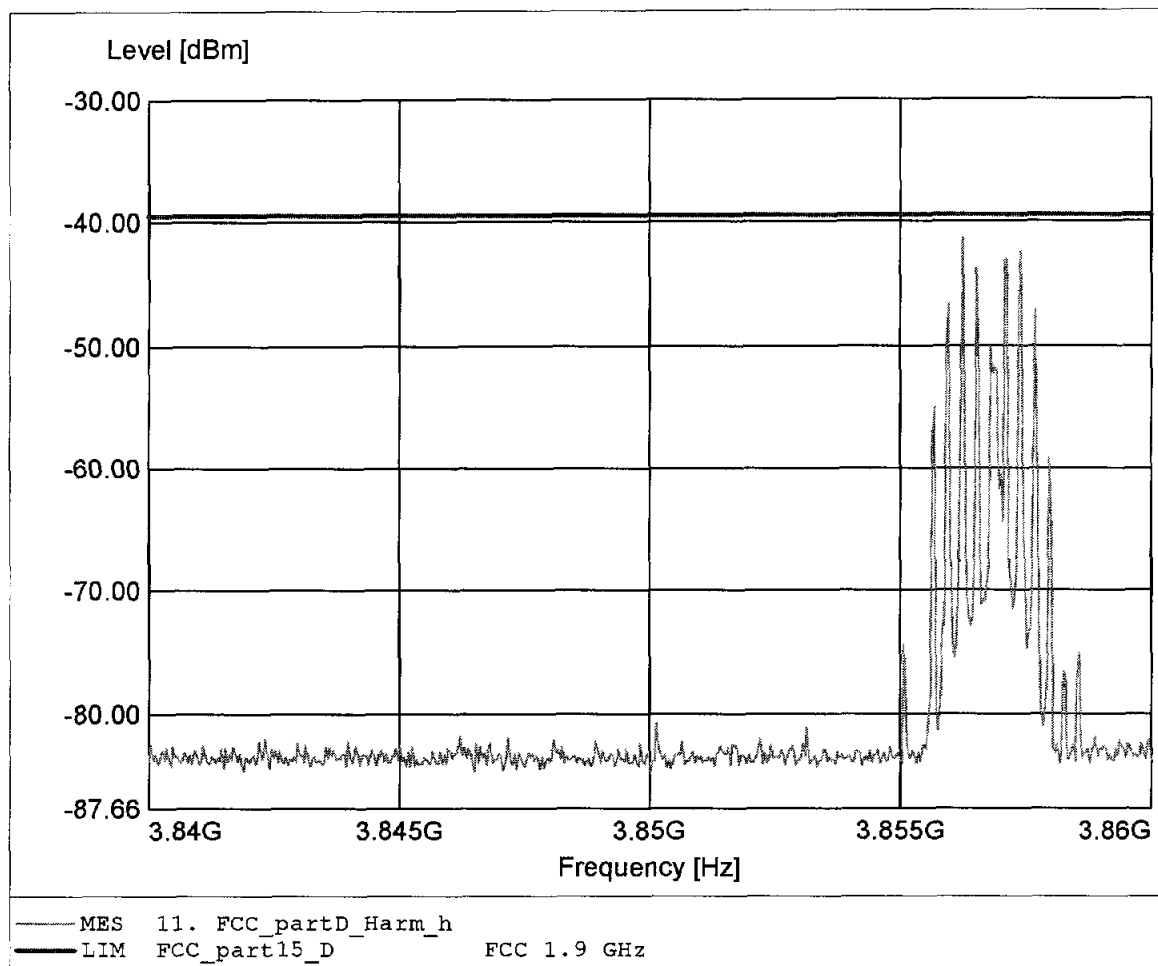
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.857GHz Pmax:-45.88dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

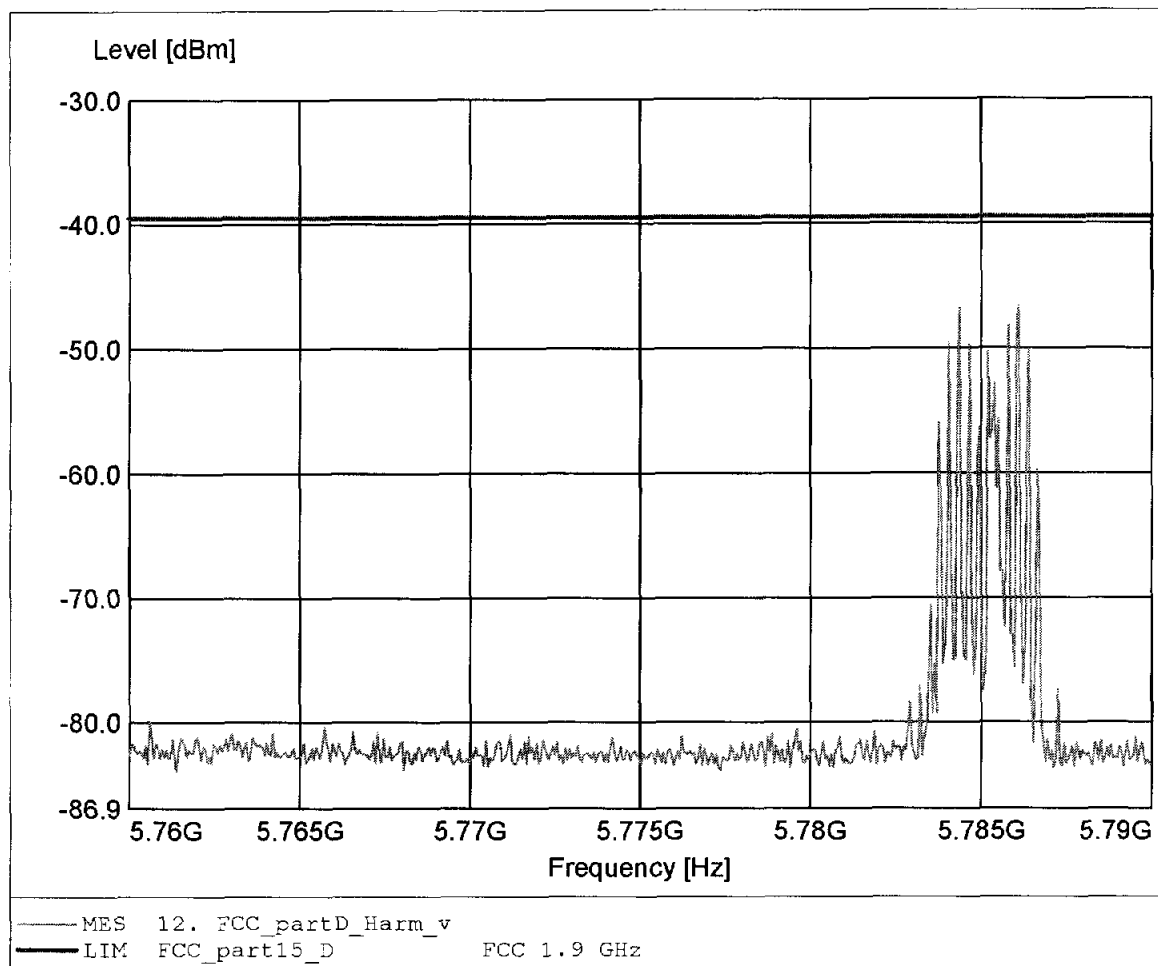
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 3.856GHz Pmax: -41.39dBm RBW: 10 kHz



*Spurious emissions under normal conditions*

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 5.786GHz Pmax: -46.69dBm RBW: 10 kHz

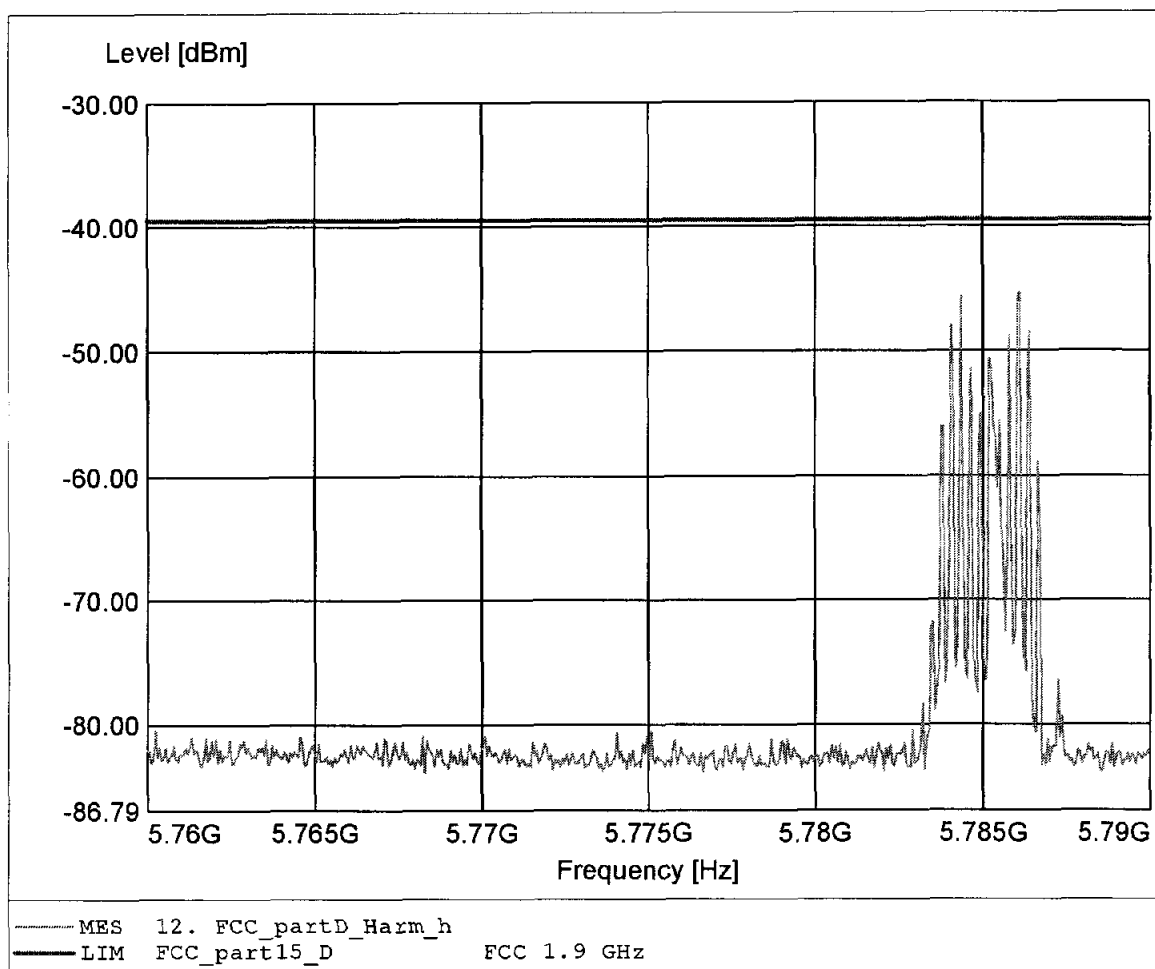




# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

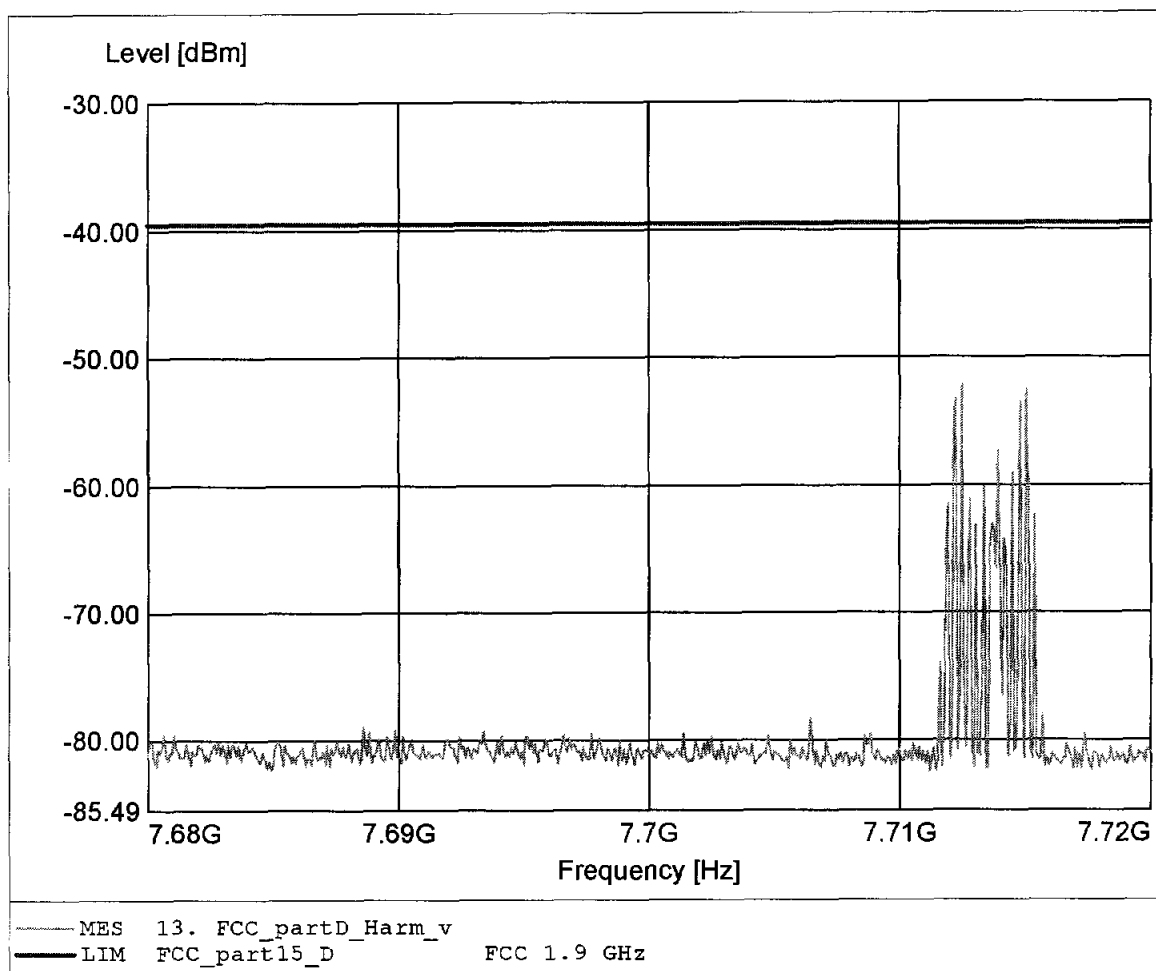
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 5.786GHz Pmax: -45.44dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

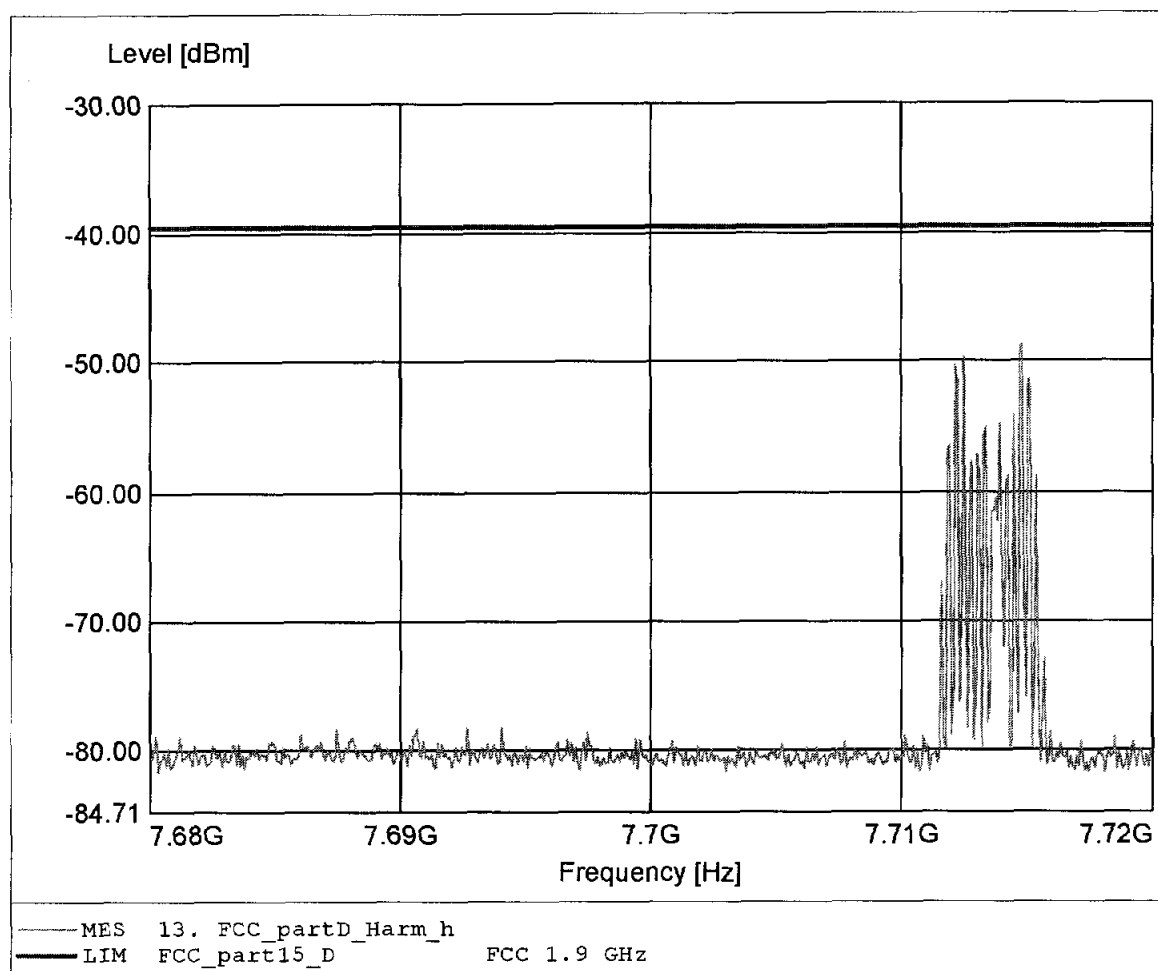
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 7.712GHz Pmax: -52.19dBm RBW: 10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

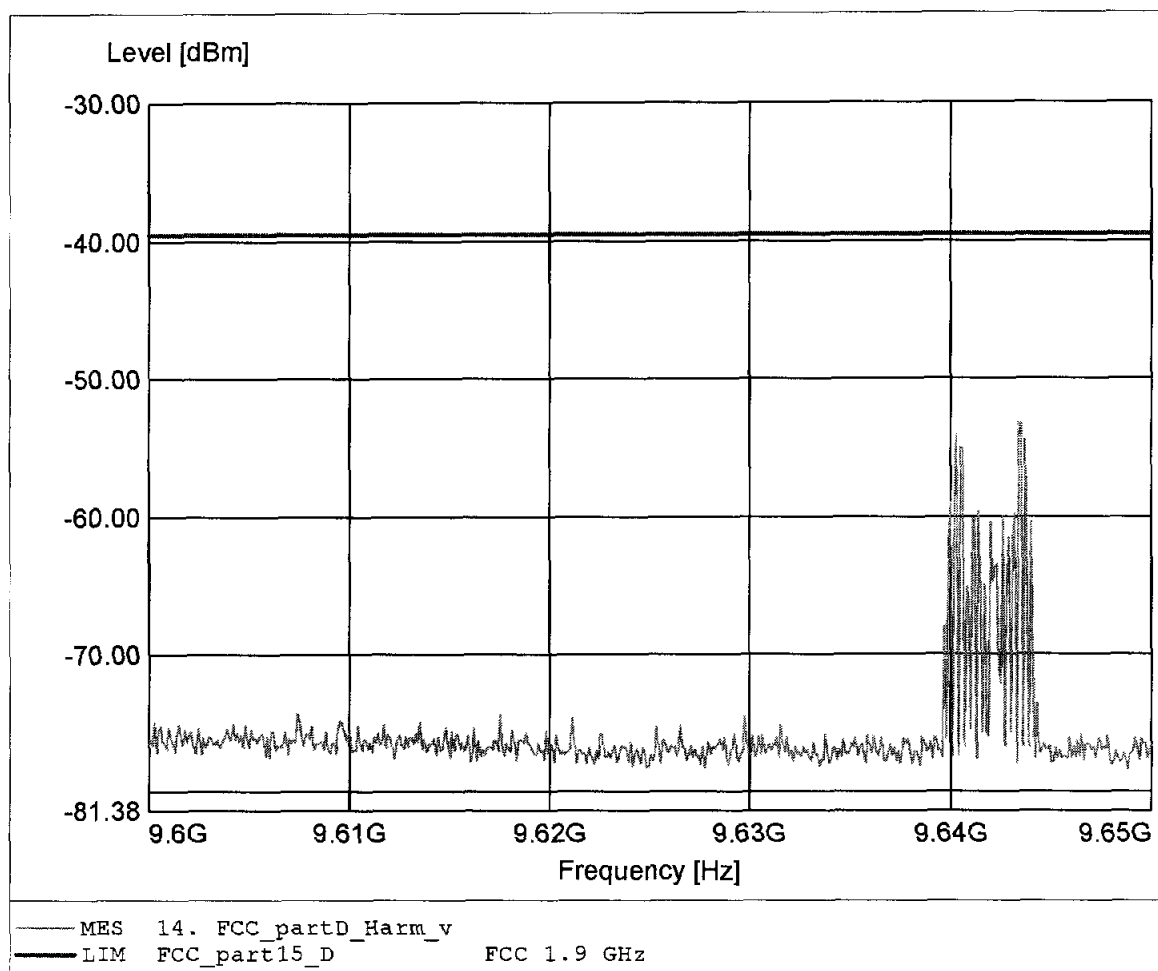
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 7.715GHz Pmax: -48.77dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

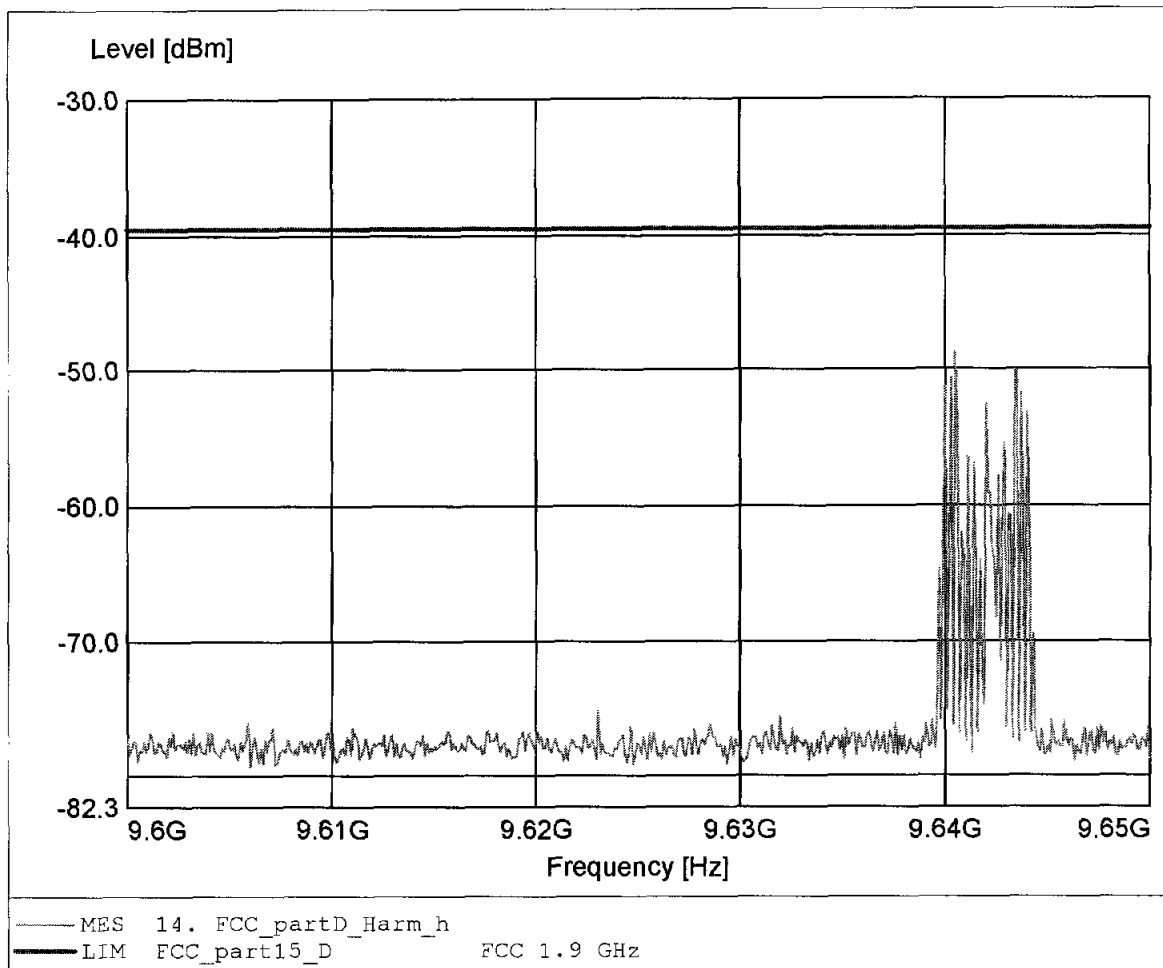
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:9.643GHz Pmax:-53.26dBm RBW:10 kHz



*Spurious emissions under normal conditions*

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

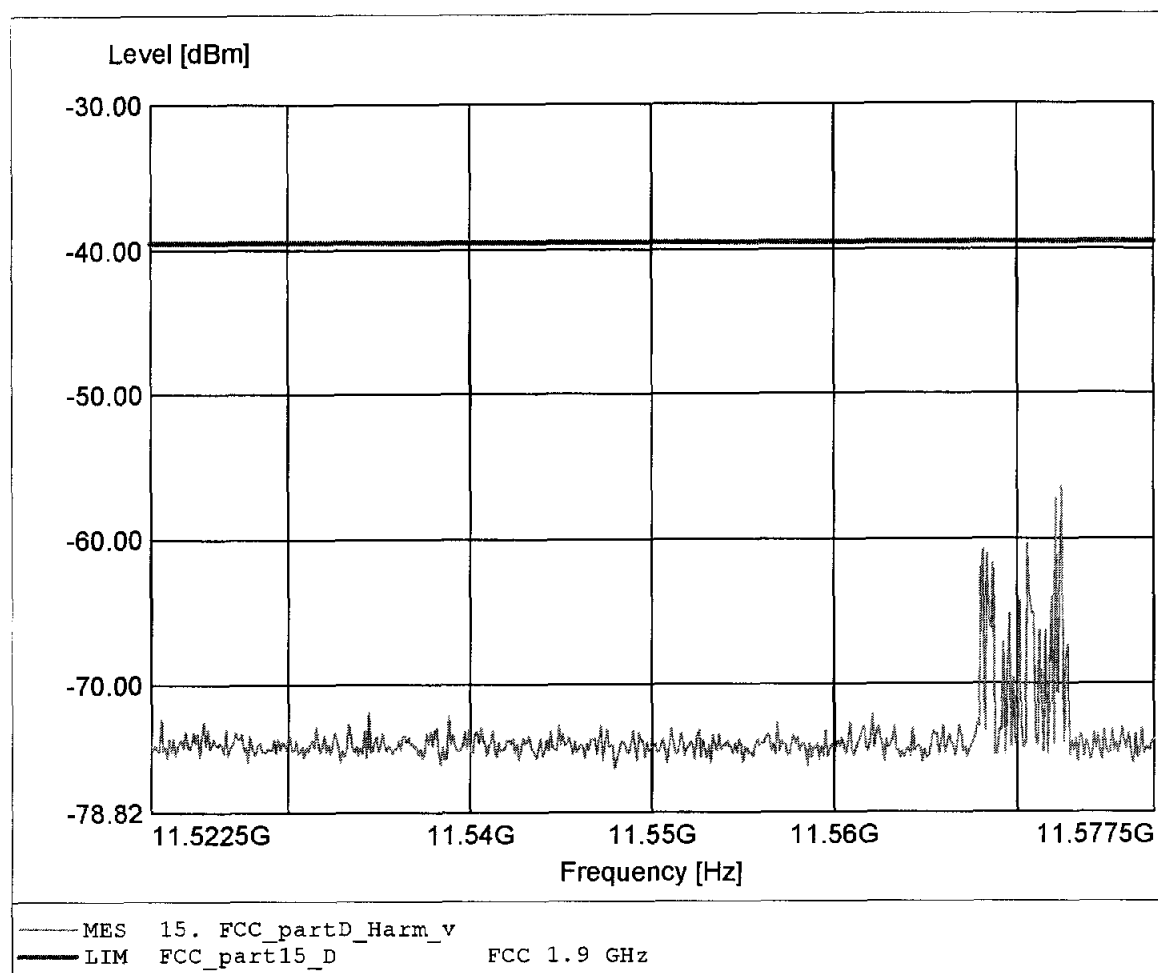
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 9.640GHz Pmax:-48.78dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

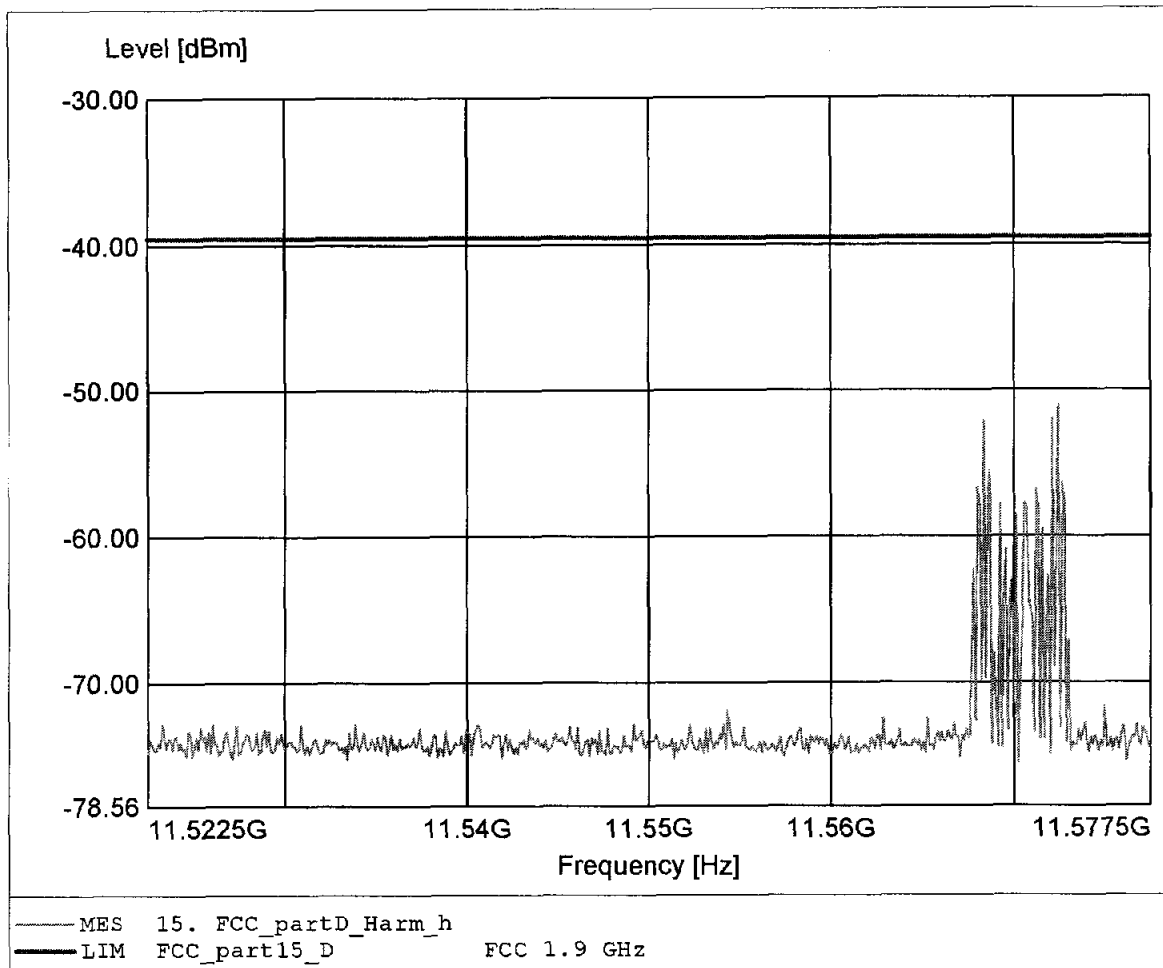
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.572GHz Pmax:-56.43dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

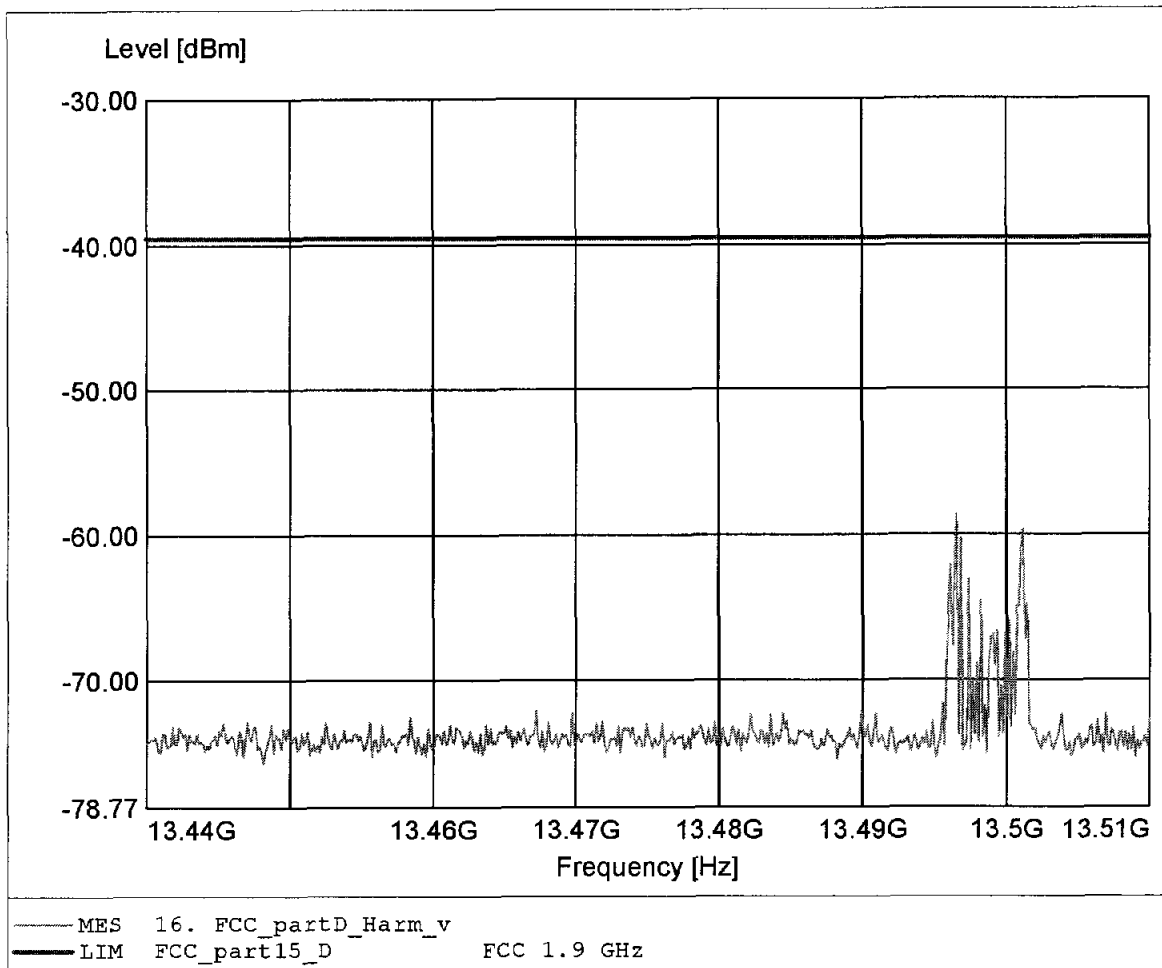
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.572GHz Pmax:-51.06dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:13.497GHz Pmax:-58.66dBm RBW:10 kHz

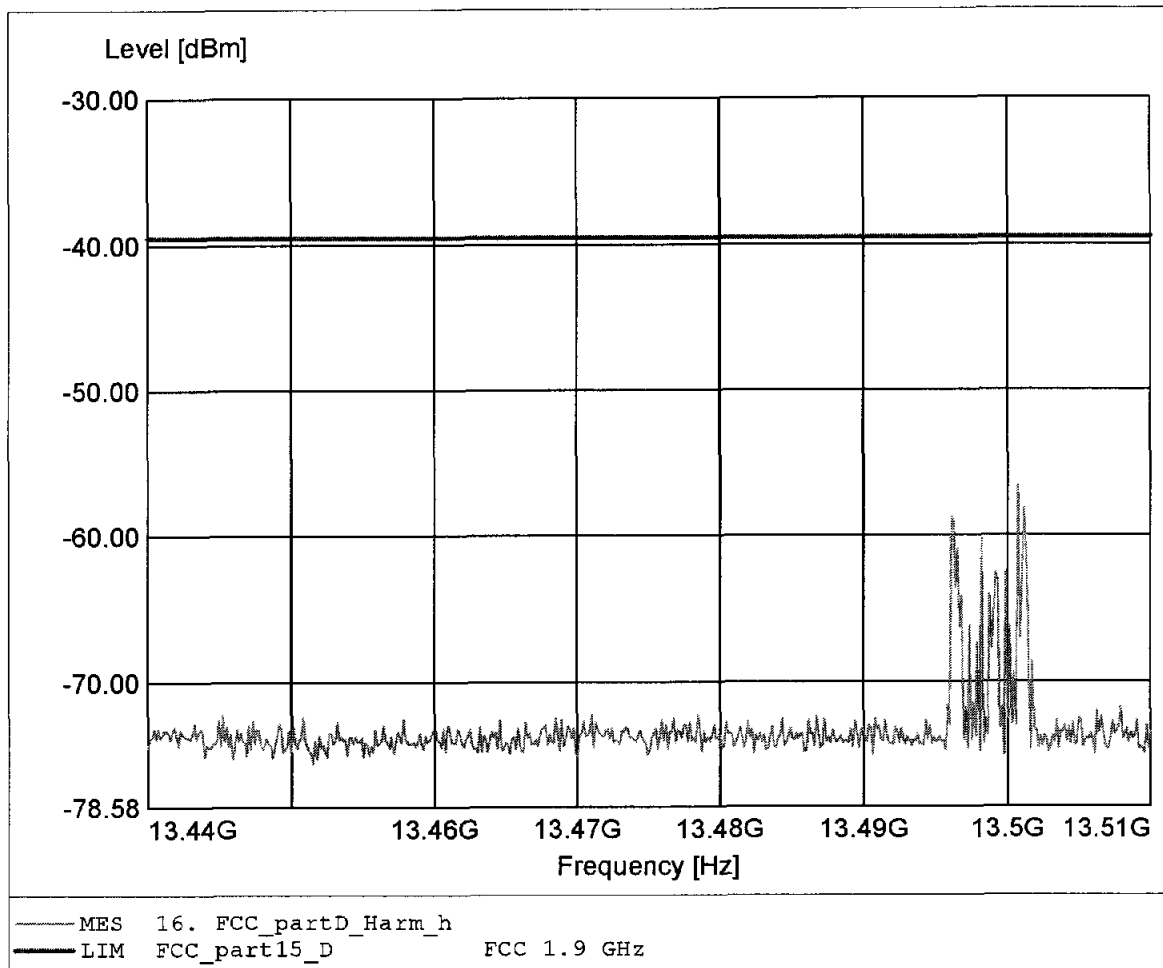




**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

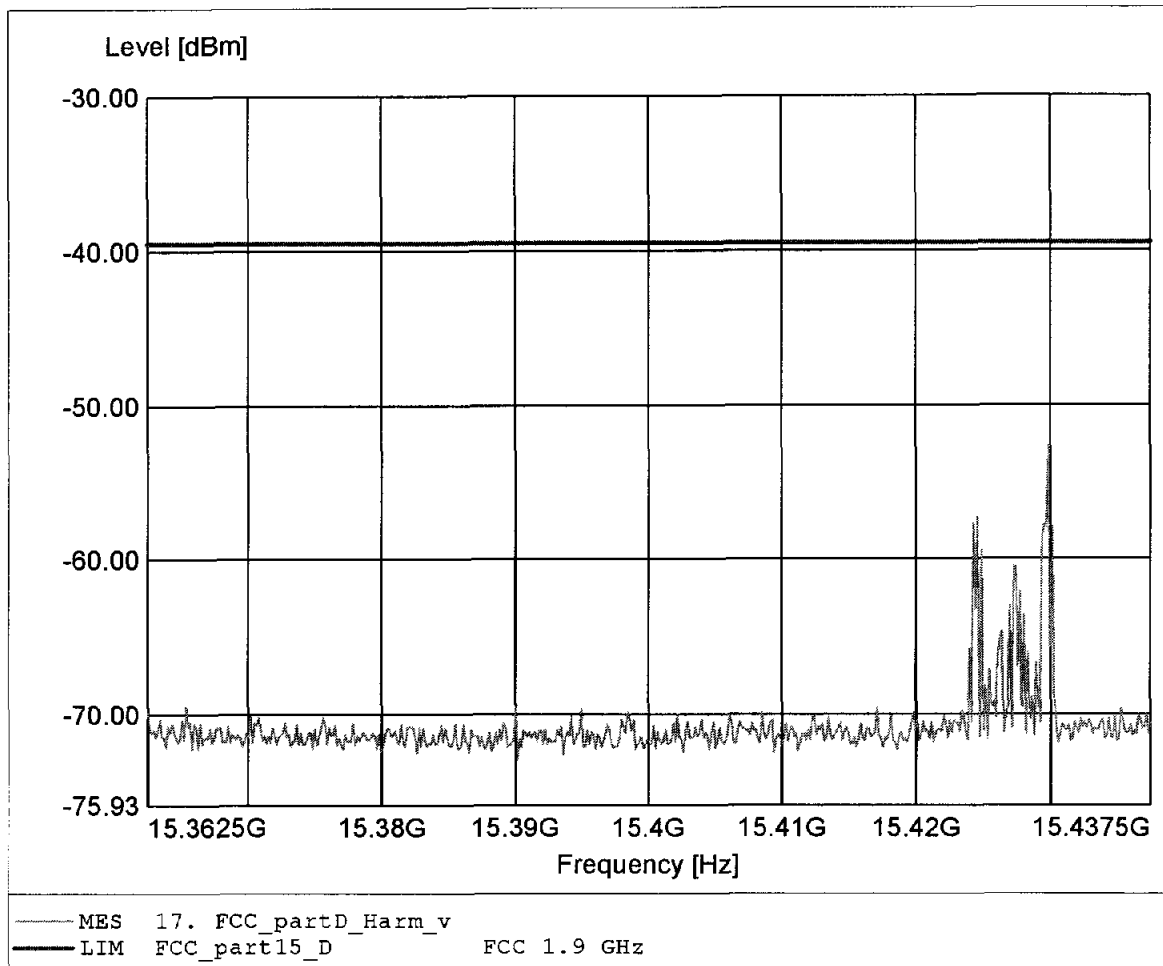
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:13.501GHz Pmax:-56.67dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

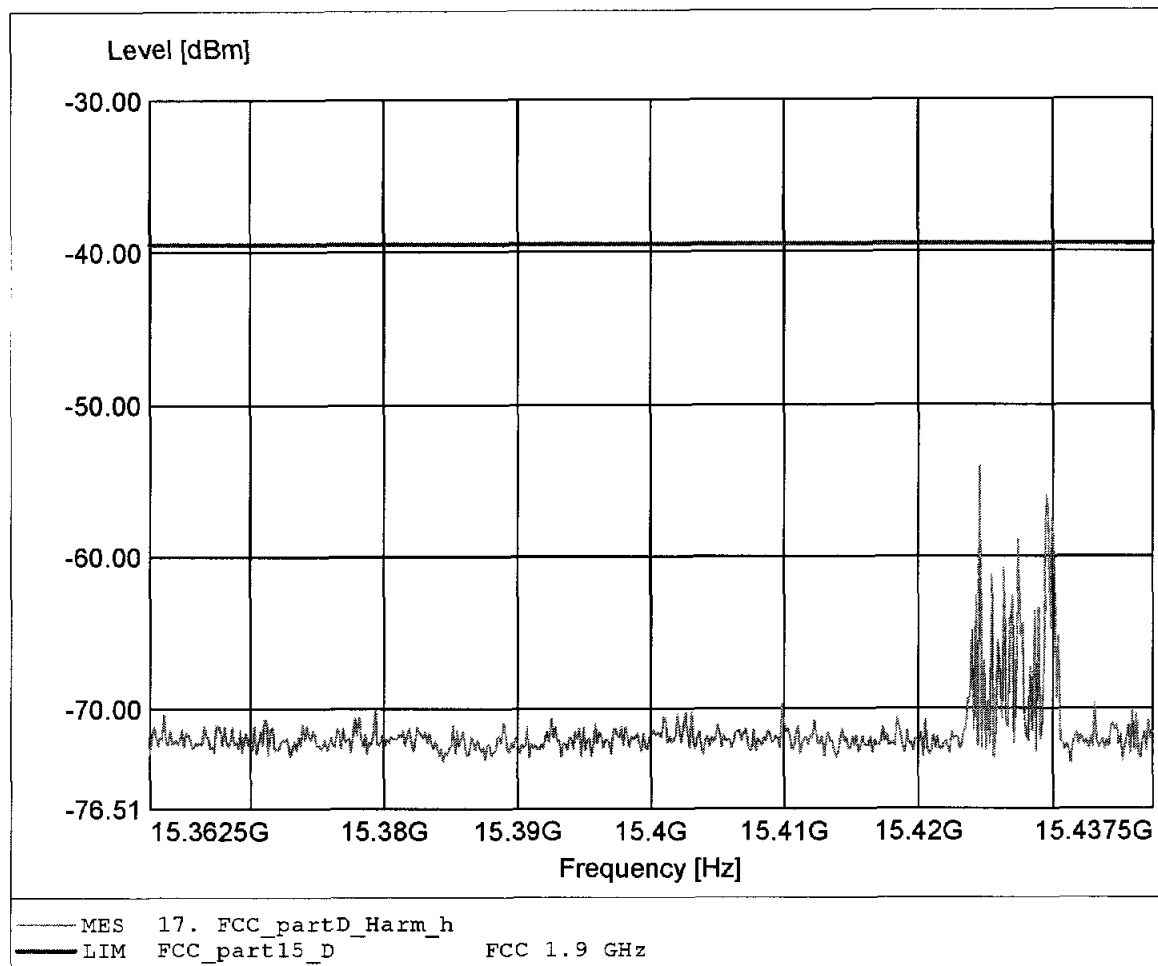
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:15.430GHz Pmax:-52.68dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

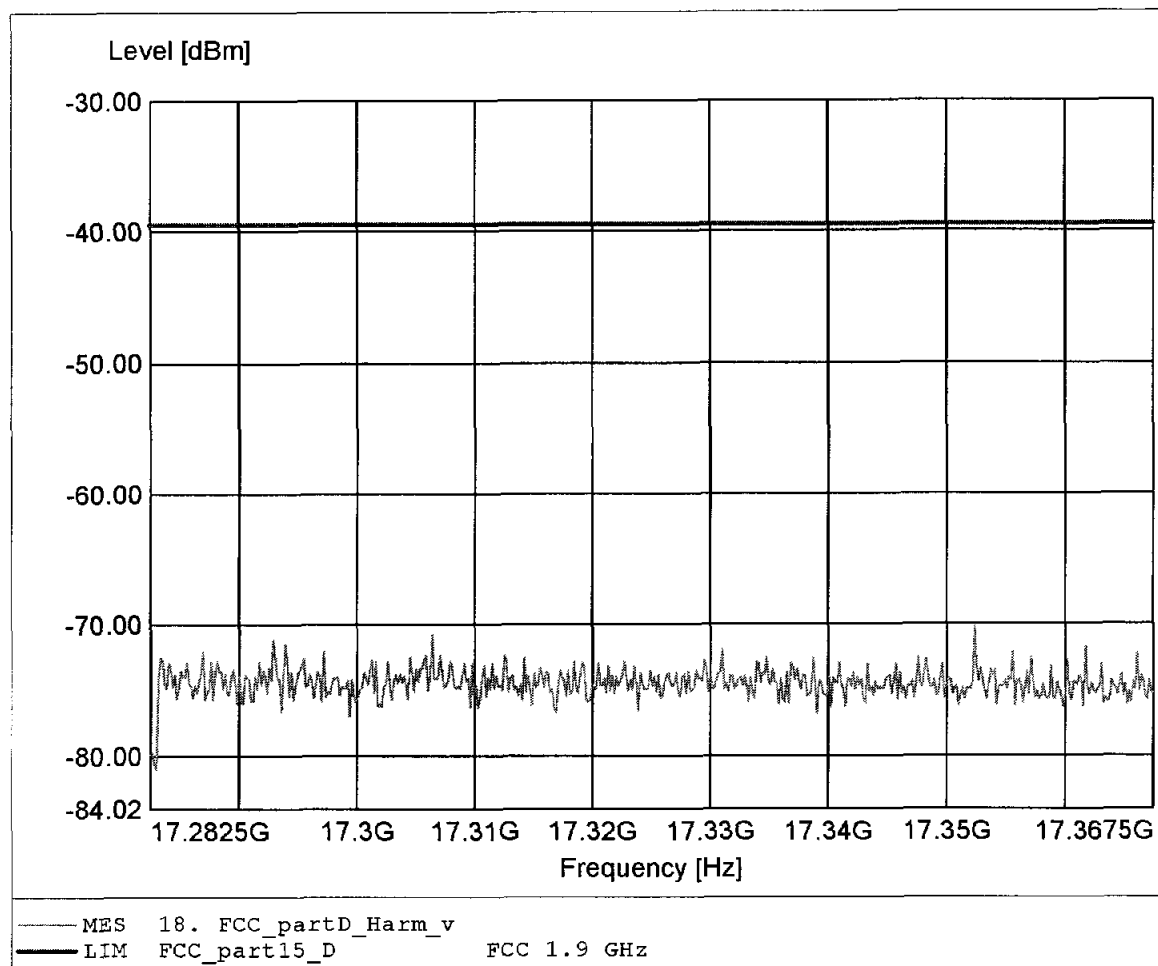
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:15.425GHz Pmax:-54.04dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

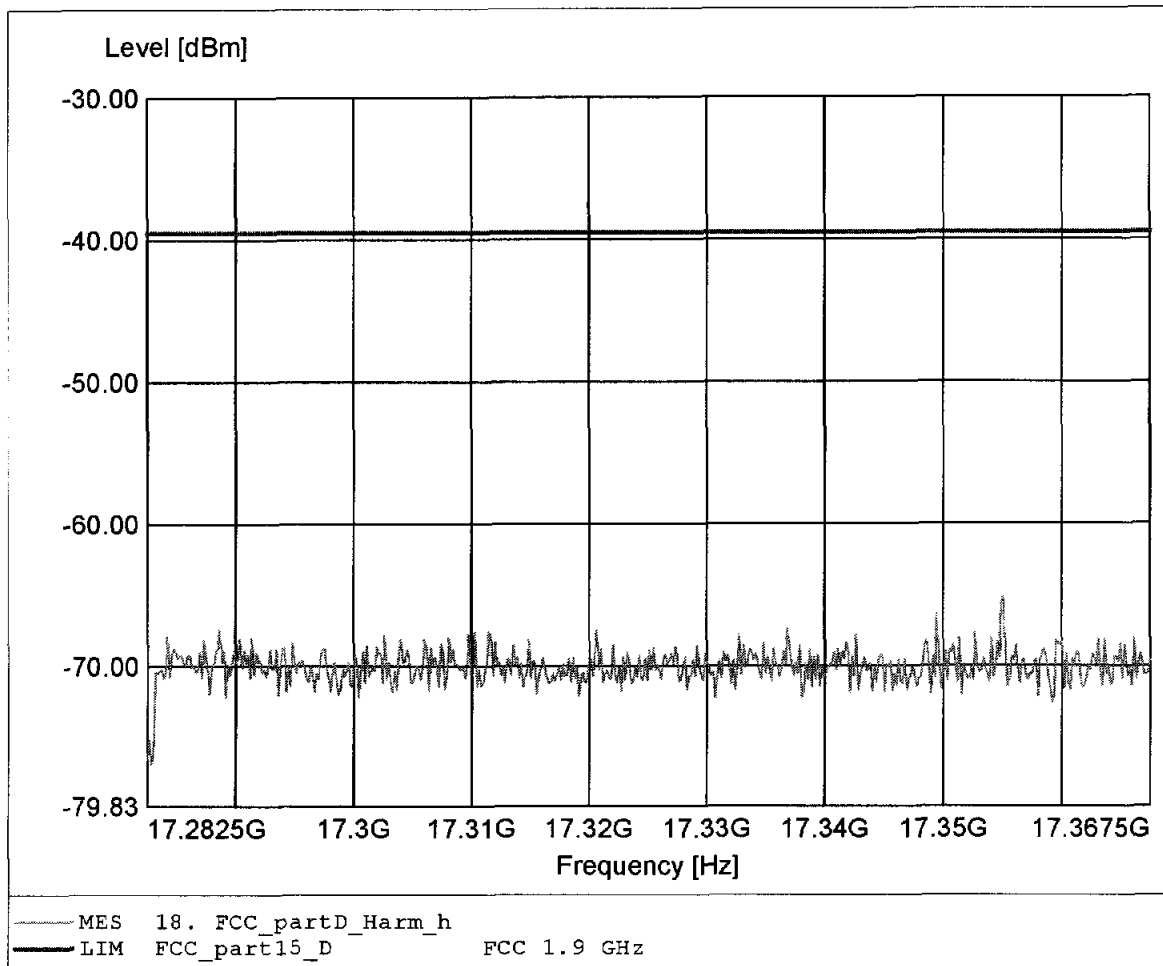
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:17.352GHz Pmax:-70.26dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

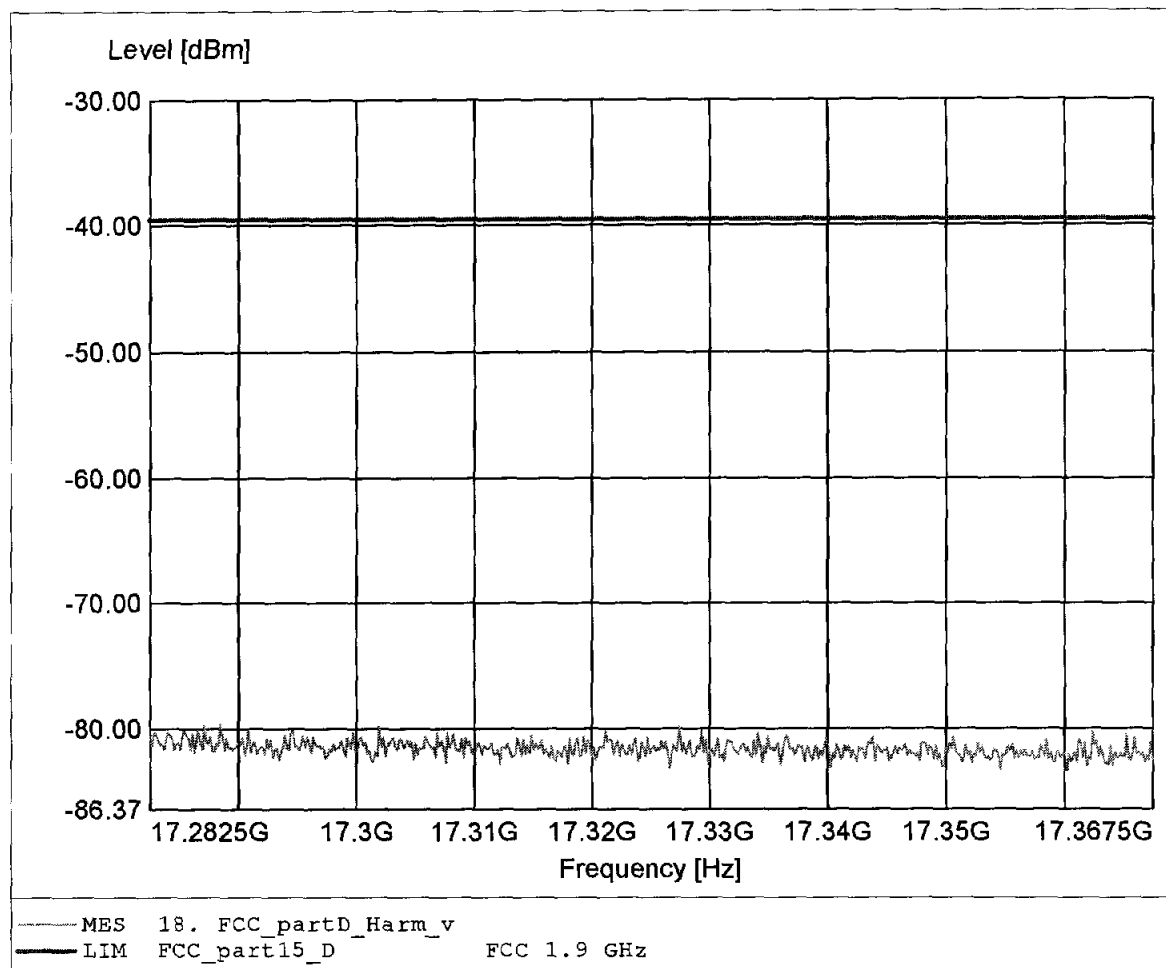
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:17.355GHz Pmax:-65.25dBm RBW:10 kHz



# Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

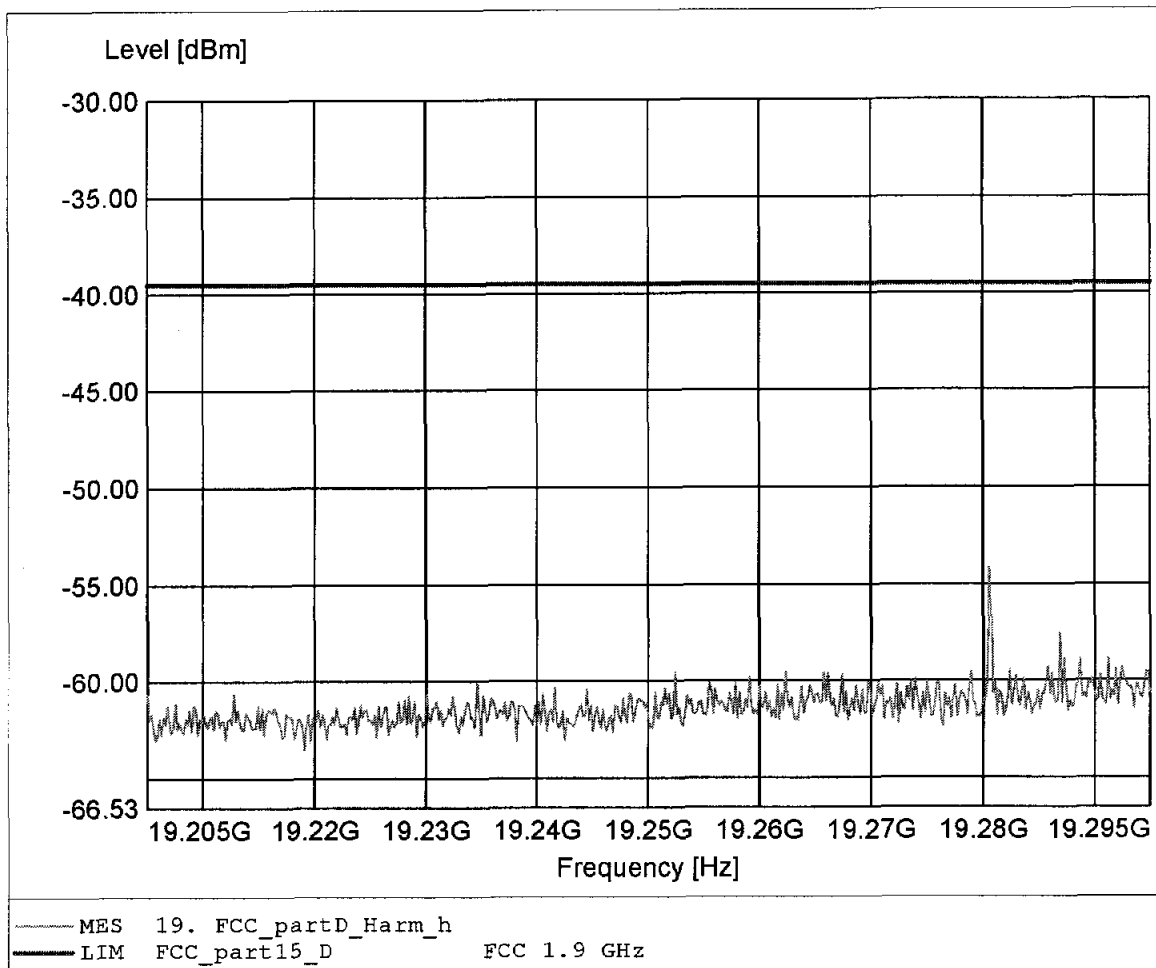
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:17.288GHz Pmax:-79.67dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

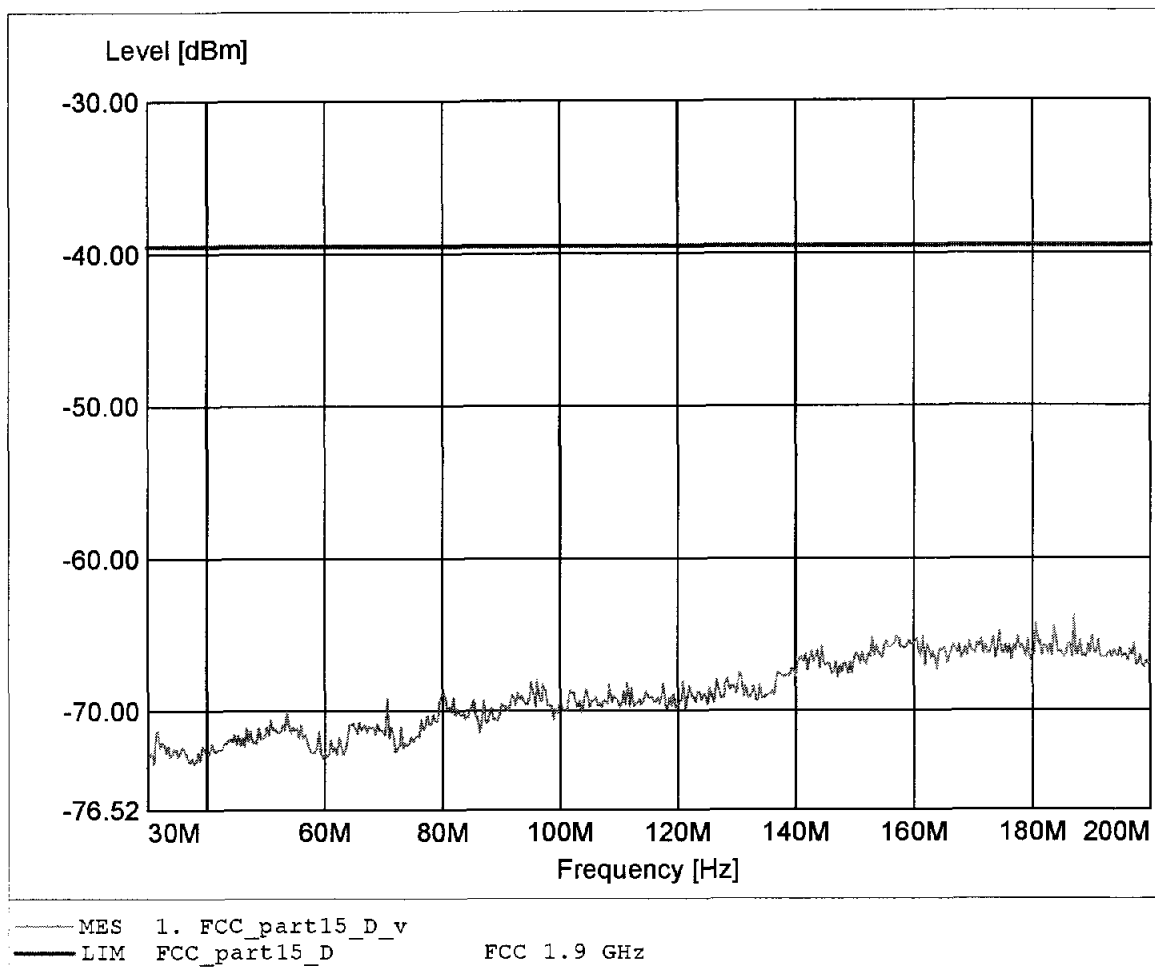
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 0  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:19.281GHz Pmax:-54.19dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:187.054MHz Pmax:-63.76dBm RBW: 100 kHz

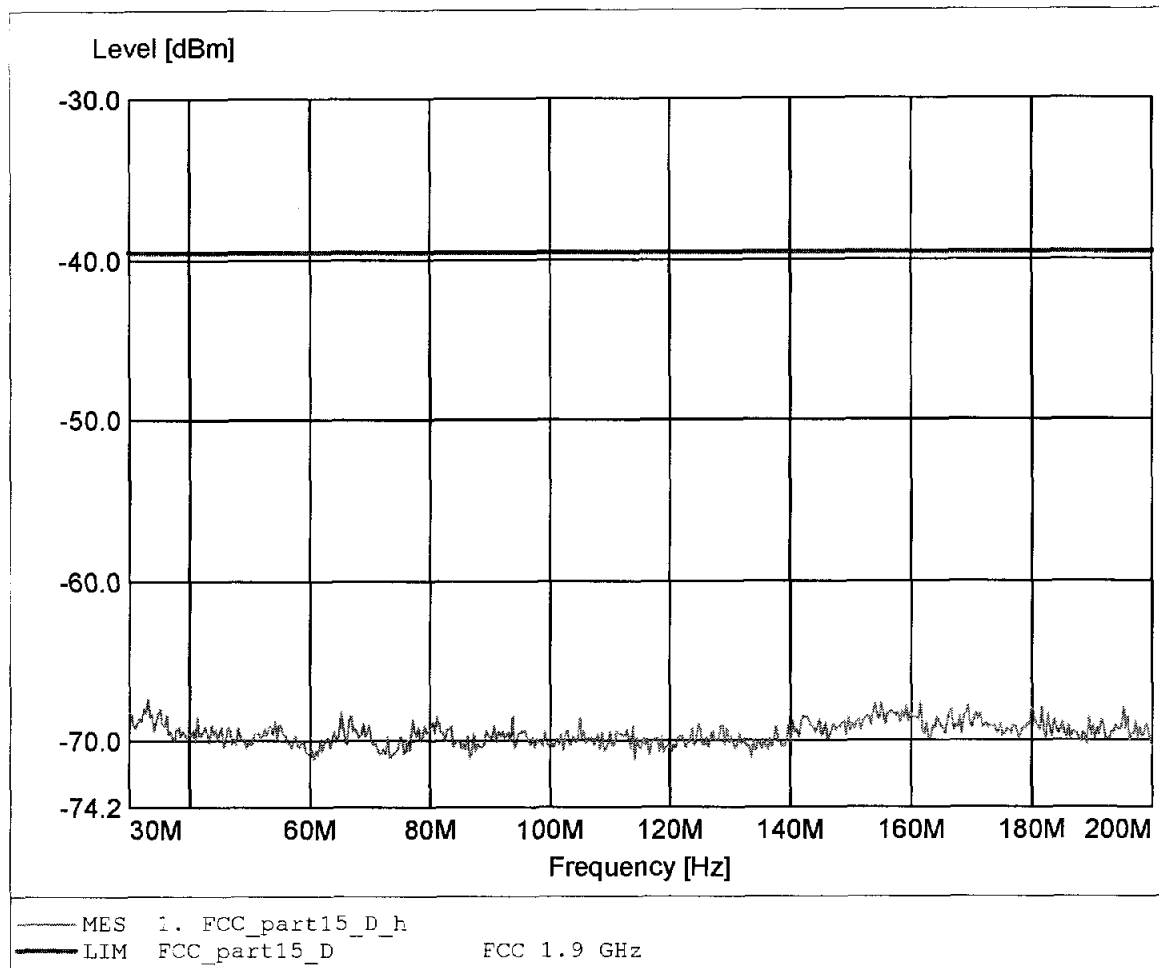




# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

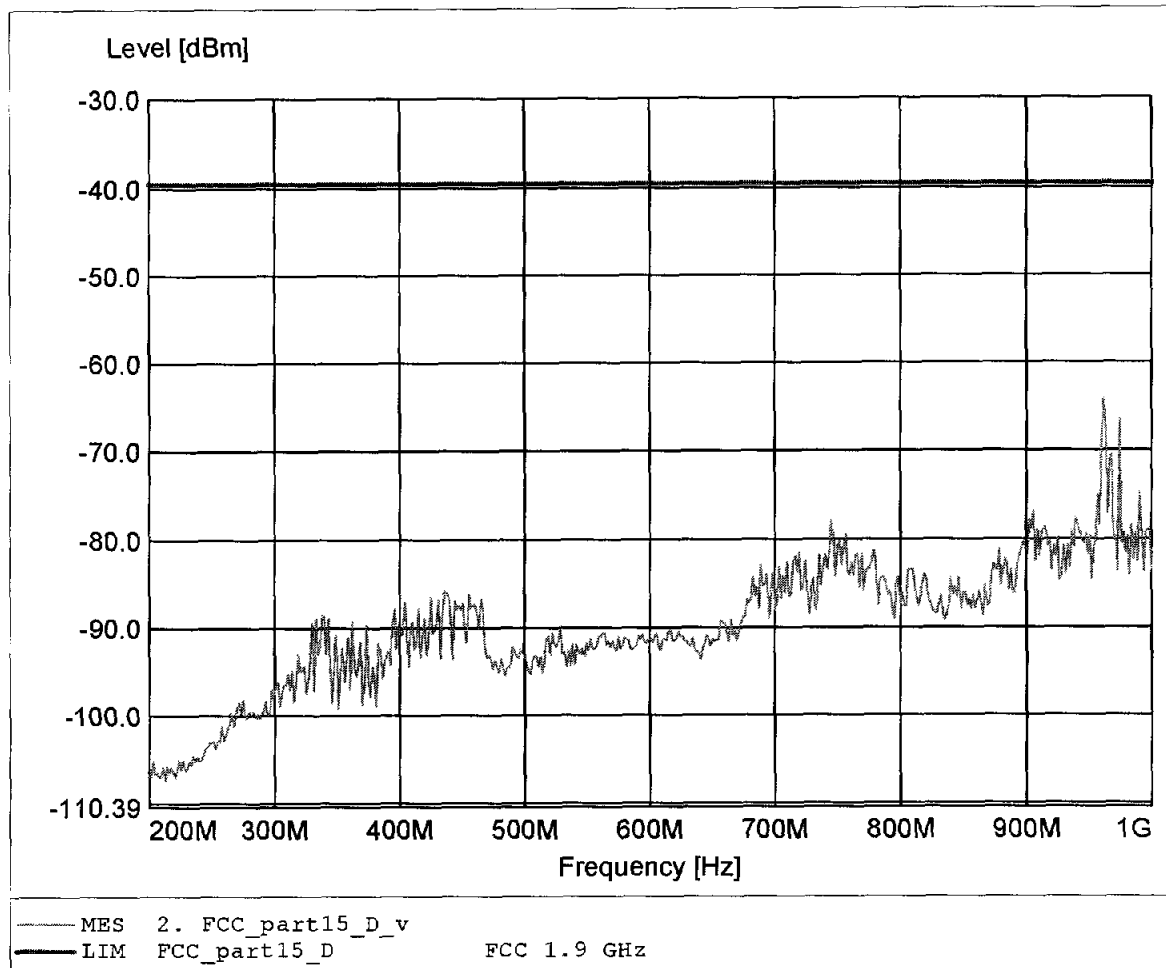
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HK 116,  
Comment 2: Freq:33.066MHz Pmax:-67.35dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

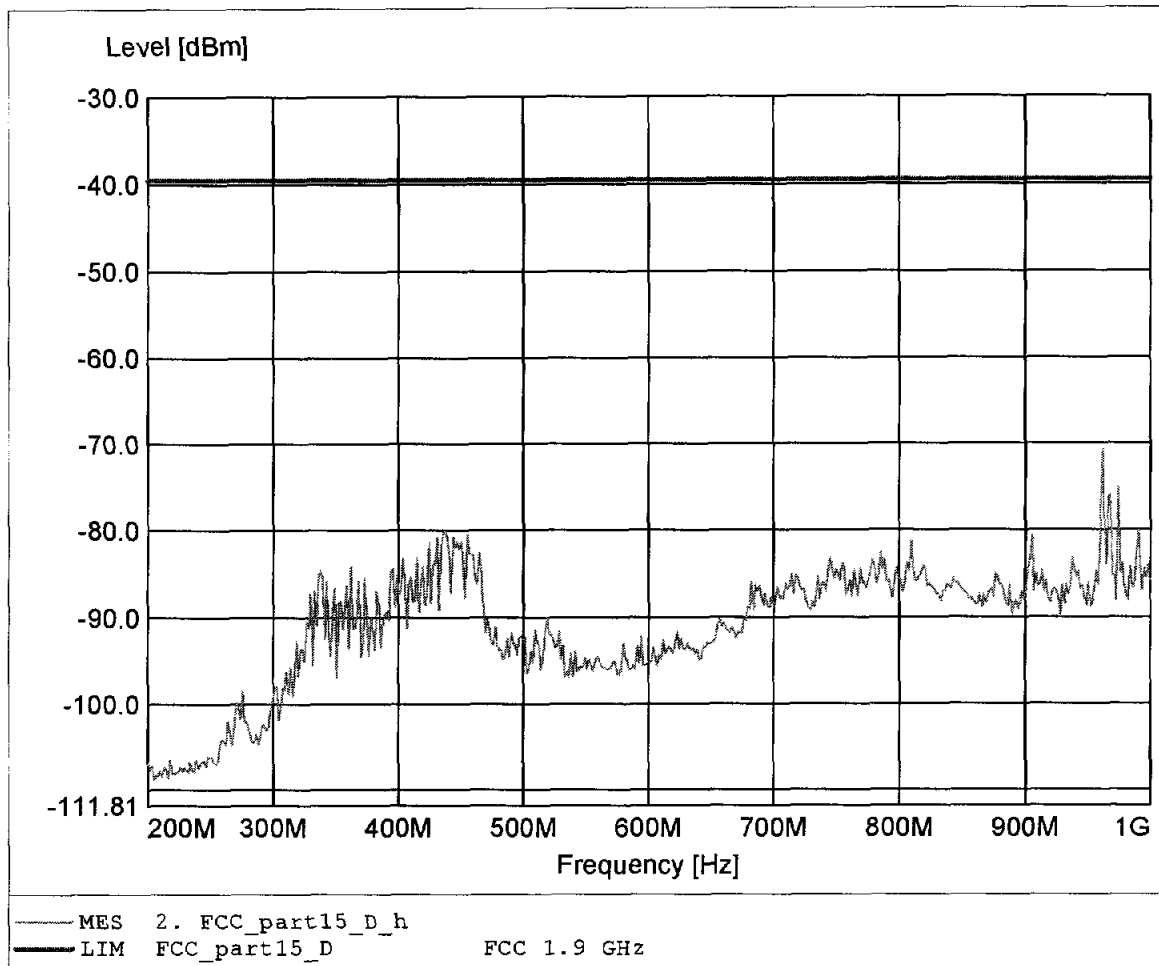
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 961.523MHz Pmax: -64.28dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

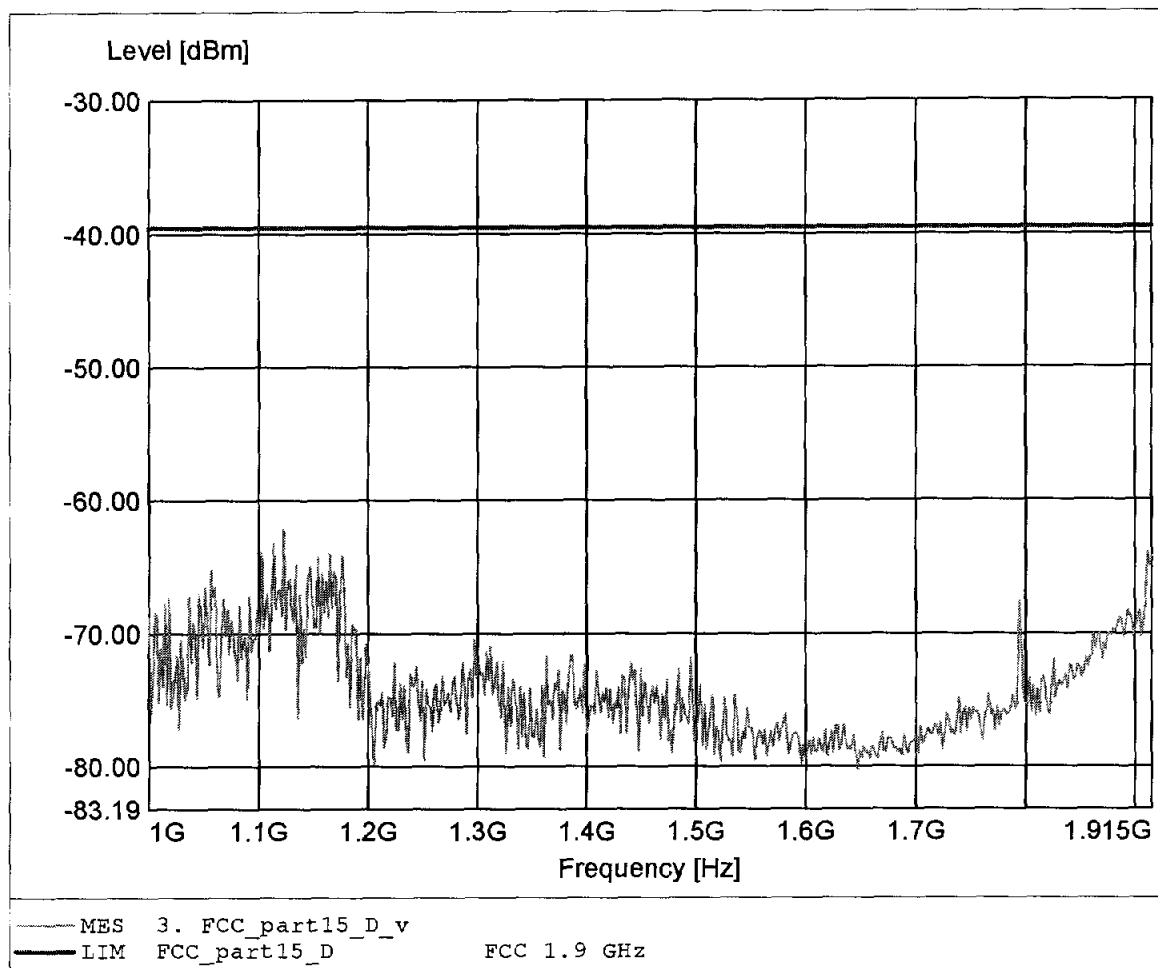
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 961.523MHz Pmax: -70.68dBm RBW: 100 kHz



# Spurious emissions under normal conditions

## FCC RULES PART 15, SUBPART D

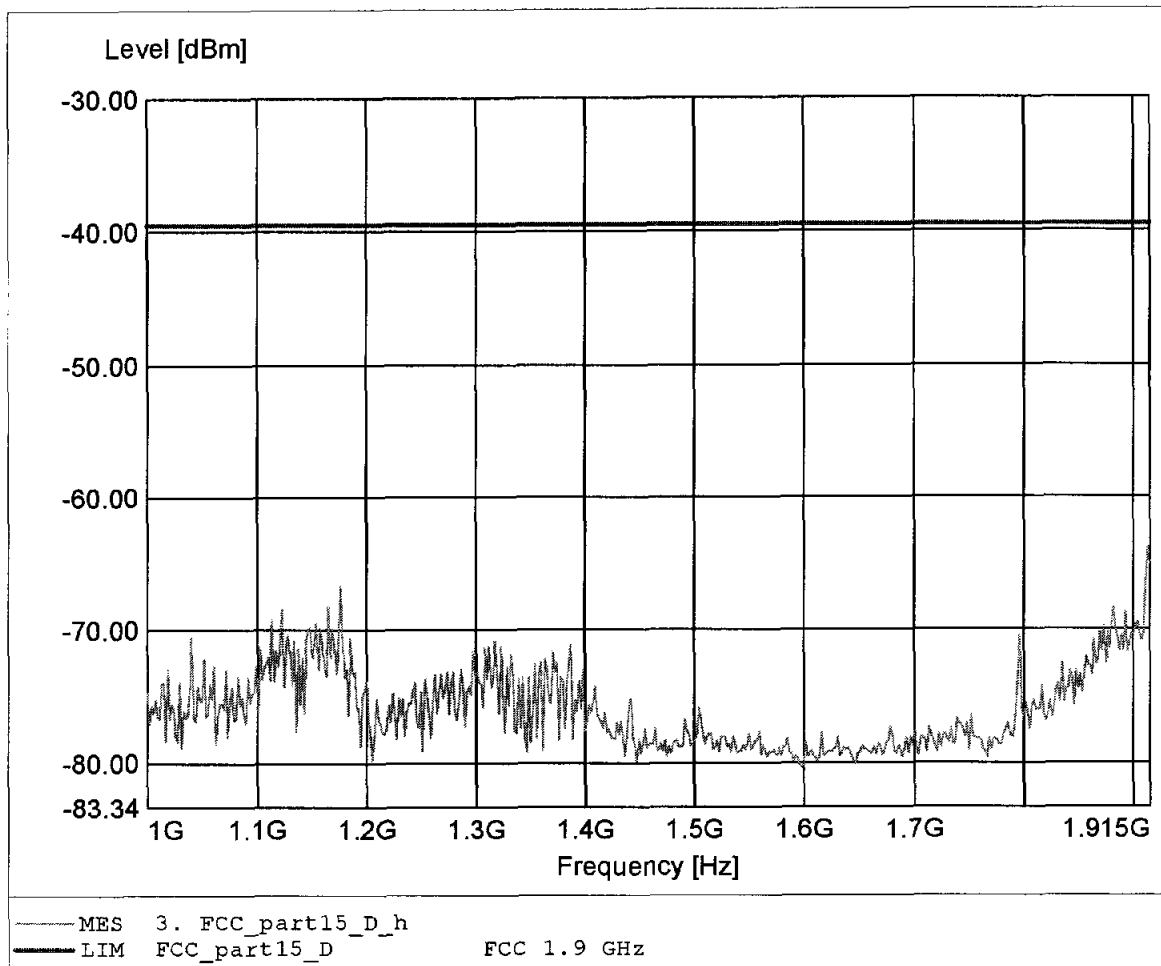
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 1.123GHz Pmax: -62.20dBm RBW: 100 kHz



*Spurious emissions under normal conditions*

**FCC RULES PART 15, SUBPART D**

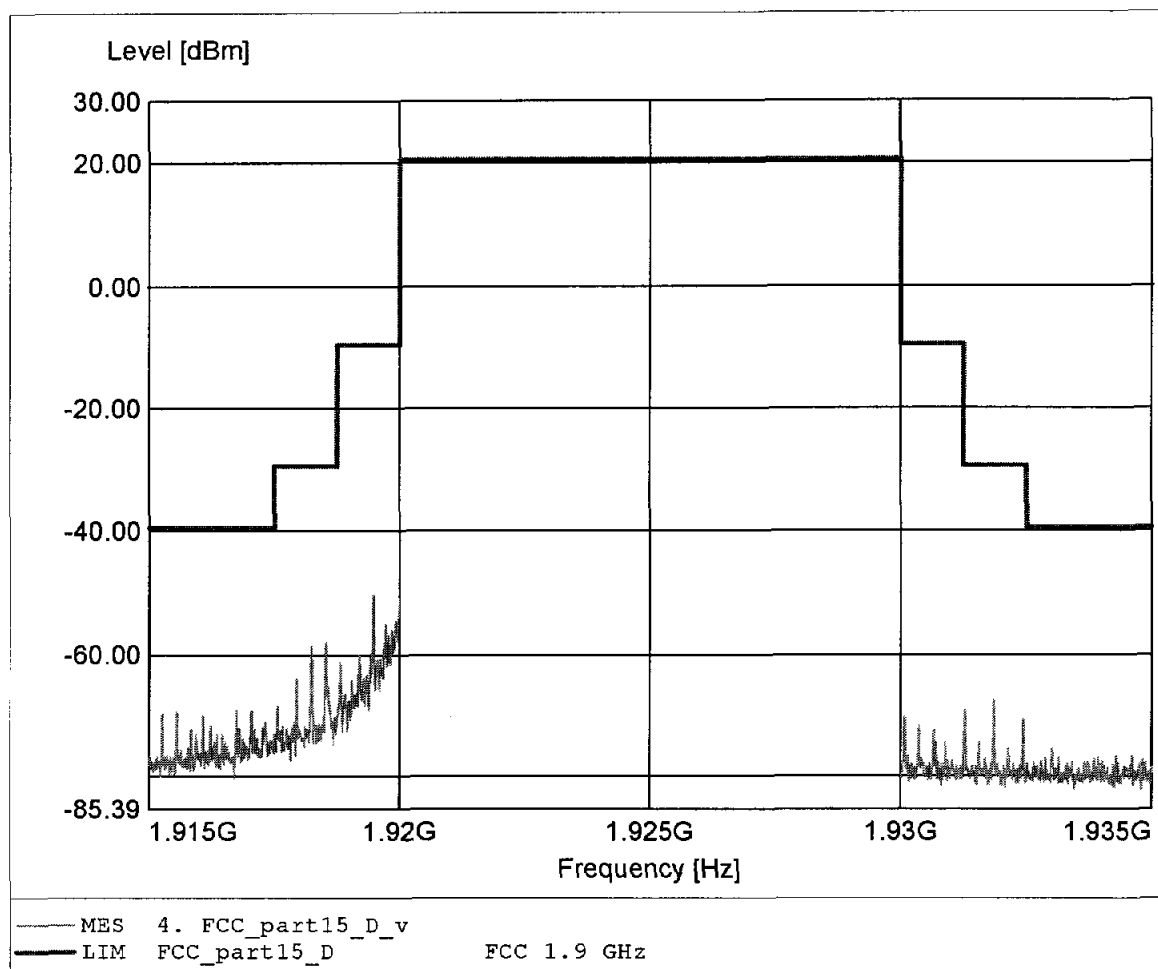
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 1.913GHz Pmax: -63.91dBm RBW: 100 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

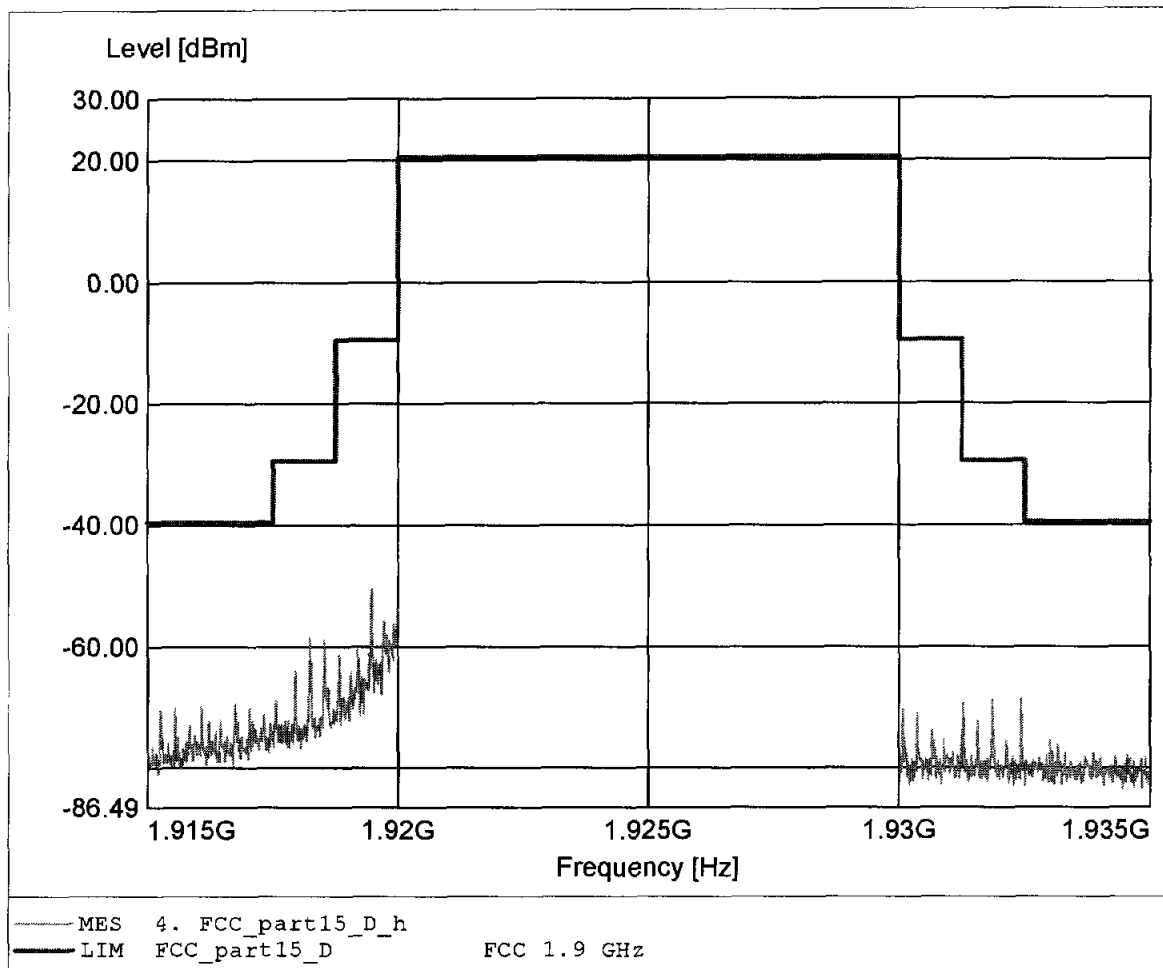
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.919GHz Pmax:-50.31dBm RBW: 10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

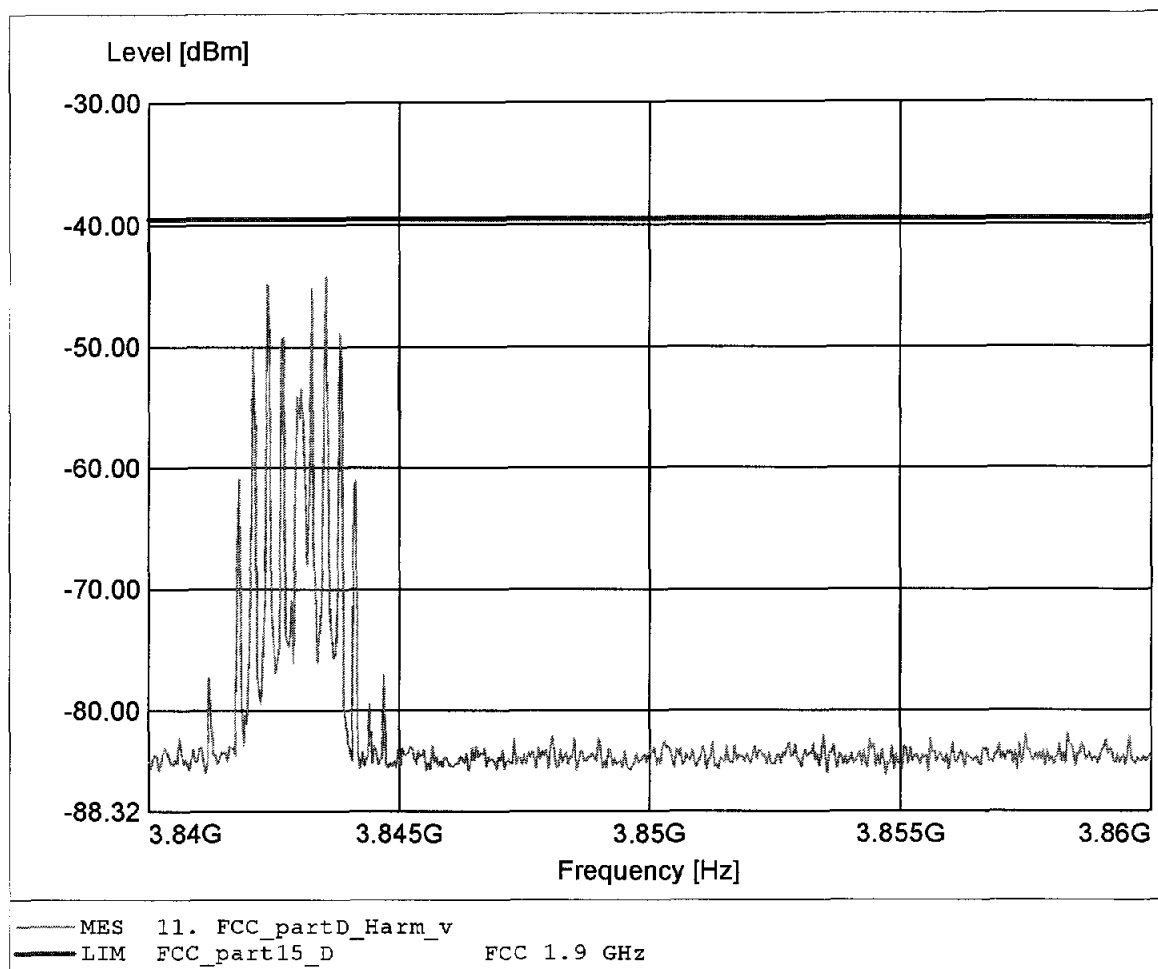
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:1.919GHz Pmax:-50.40dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 3.844GHz Pmax: -44.20dBm RBW: 10 kHz

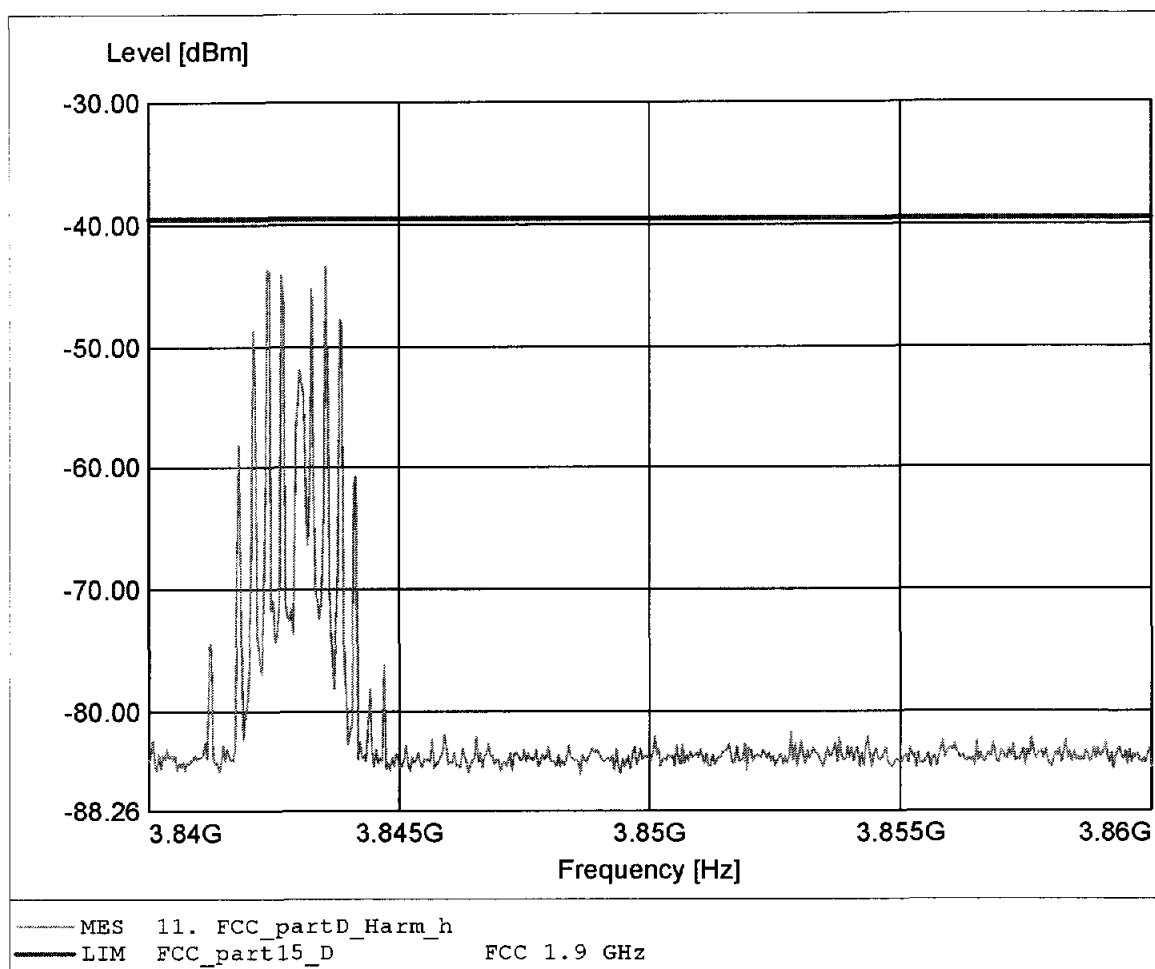




# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

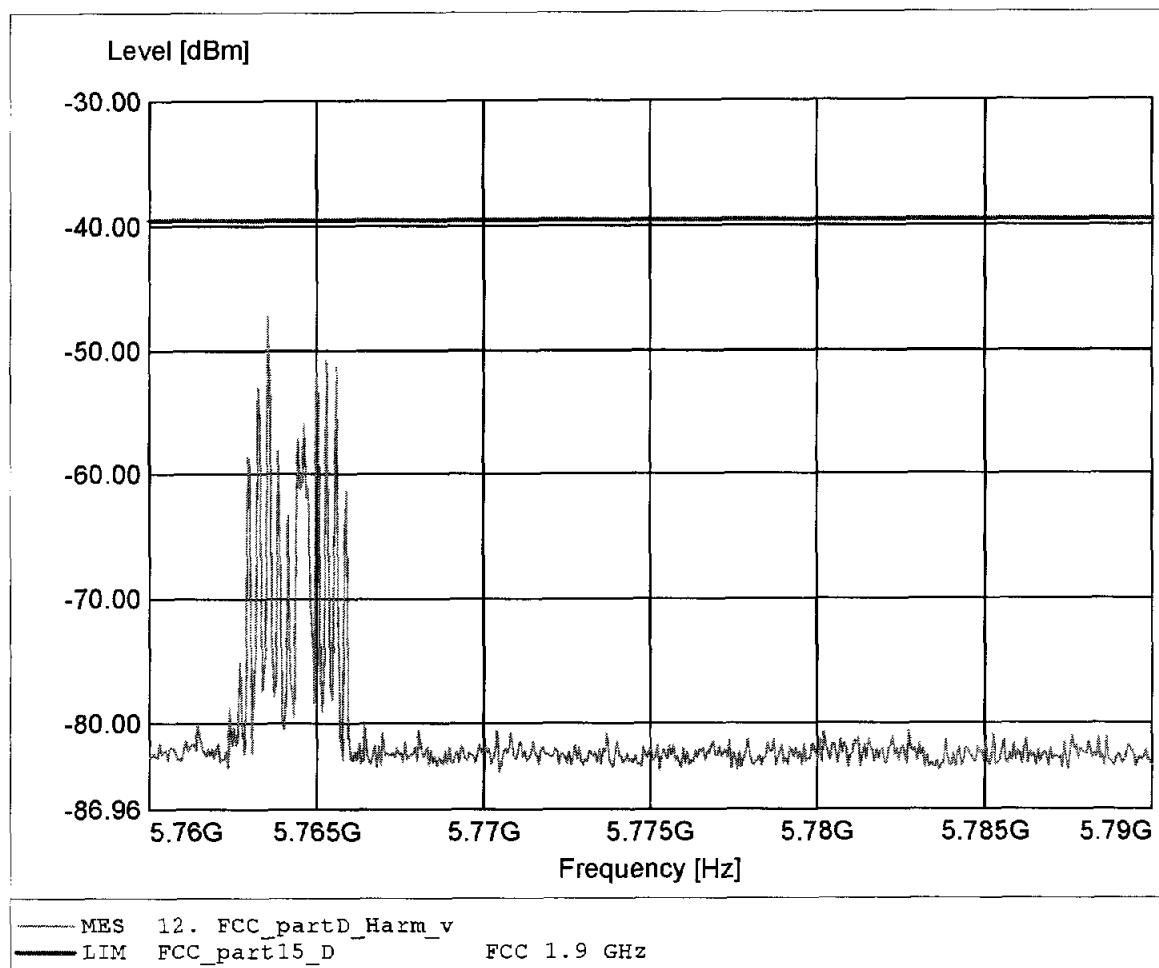
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:3.844GHz Pmax:-43.32dBm RBW:10 kHz



*Spurious emissions under normal conditions*

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

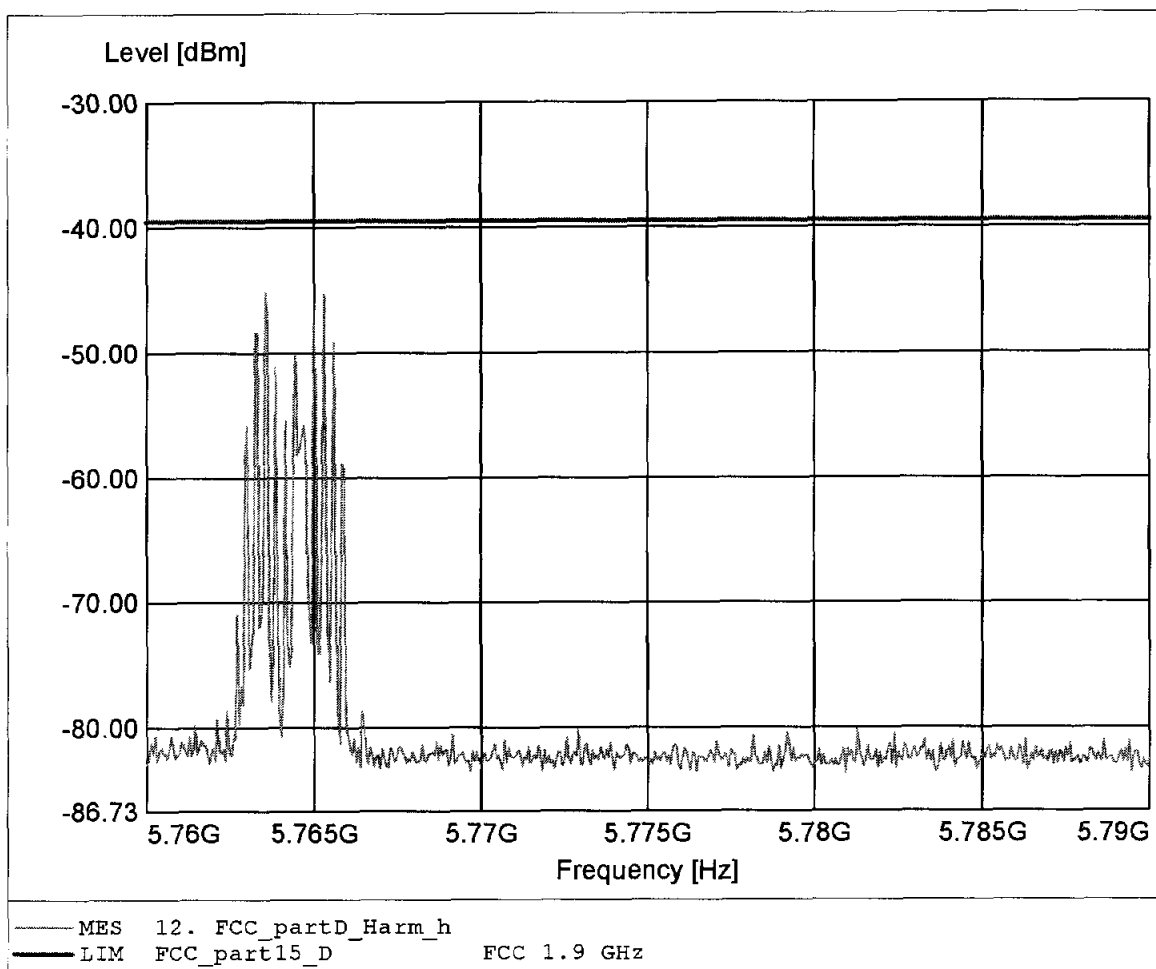
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 5.764GHz Pmax: -47.22dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

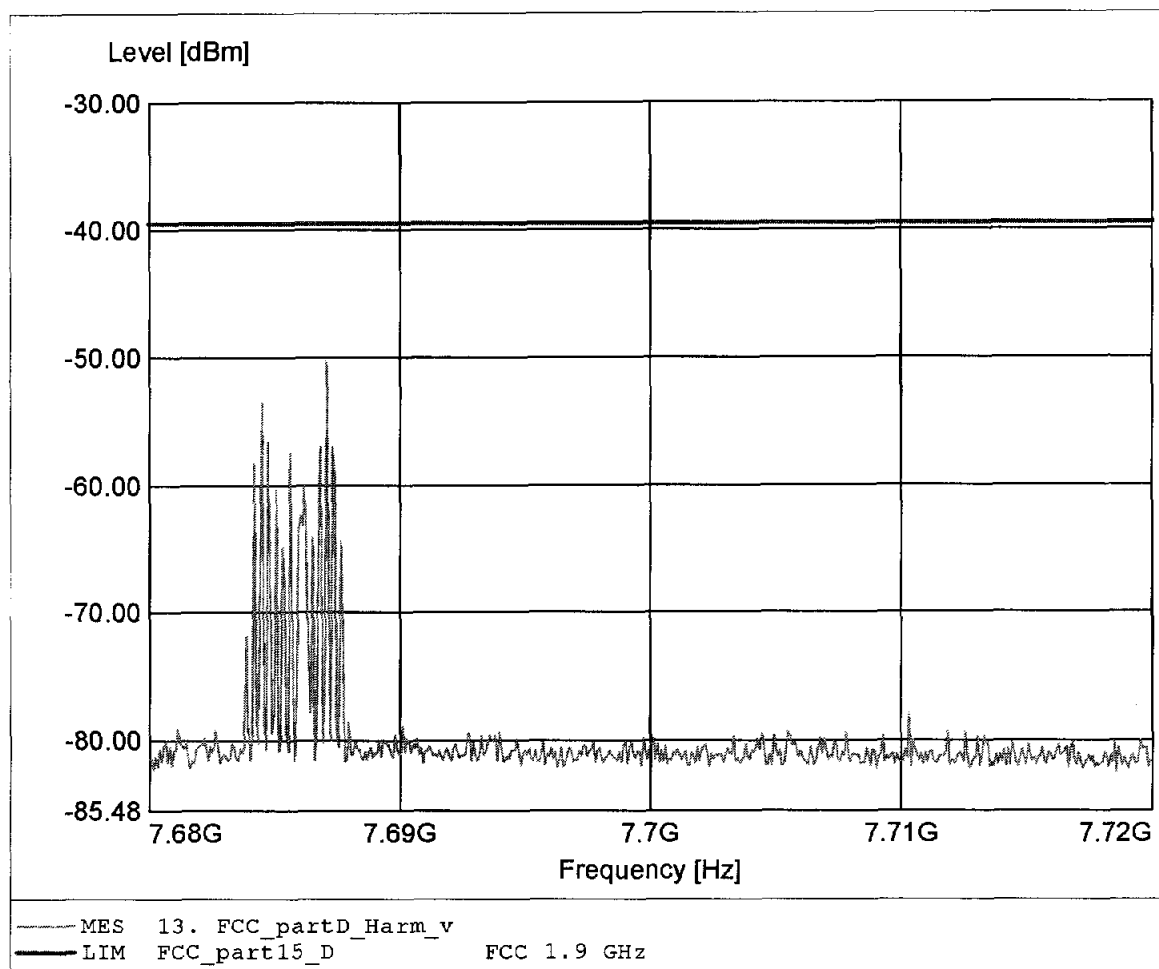
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 5.764GHz Pmax: -45.12dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

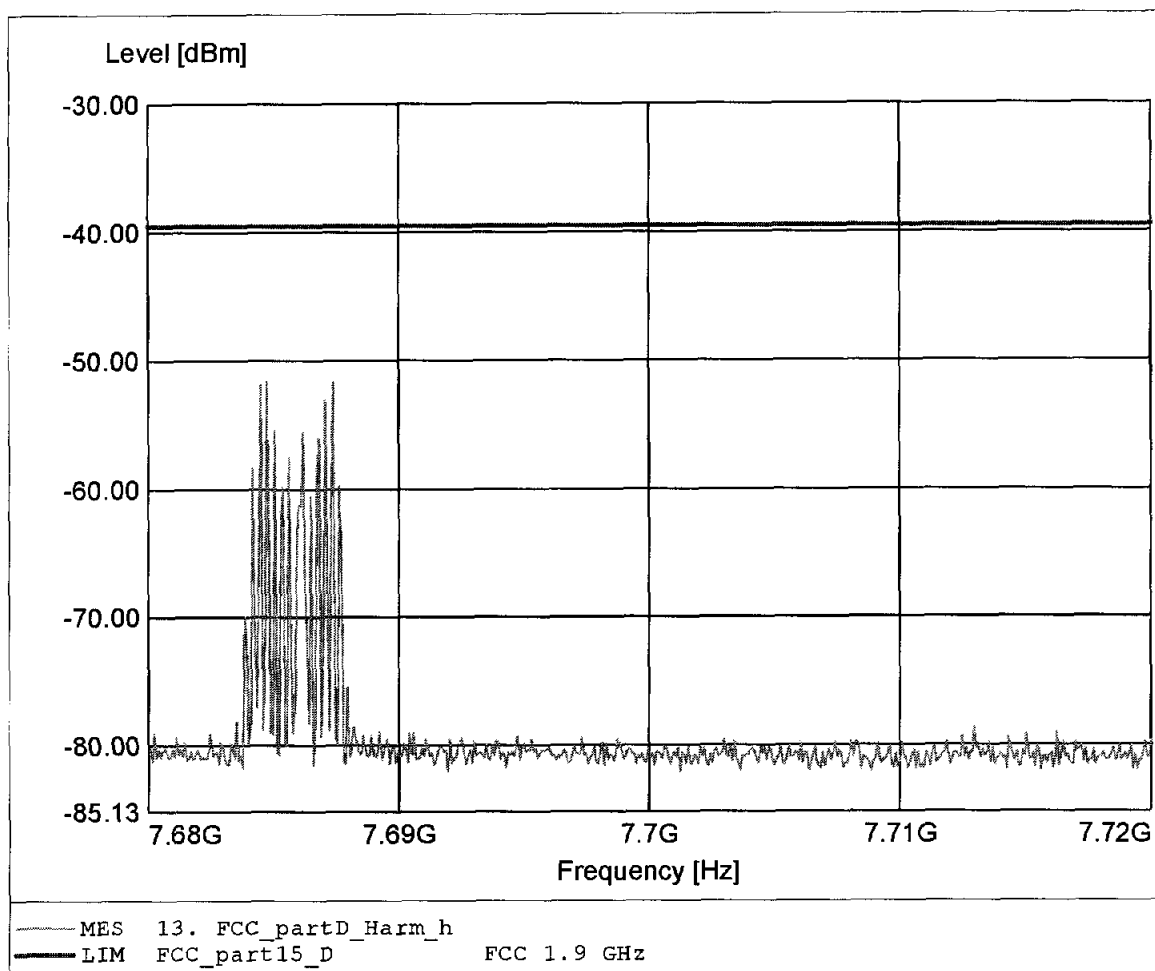
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 7.687GHz Pmax: -50.29dBm RBW: 10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

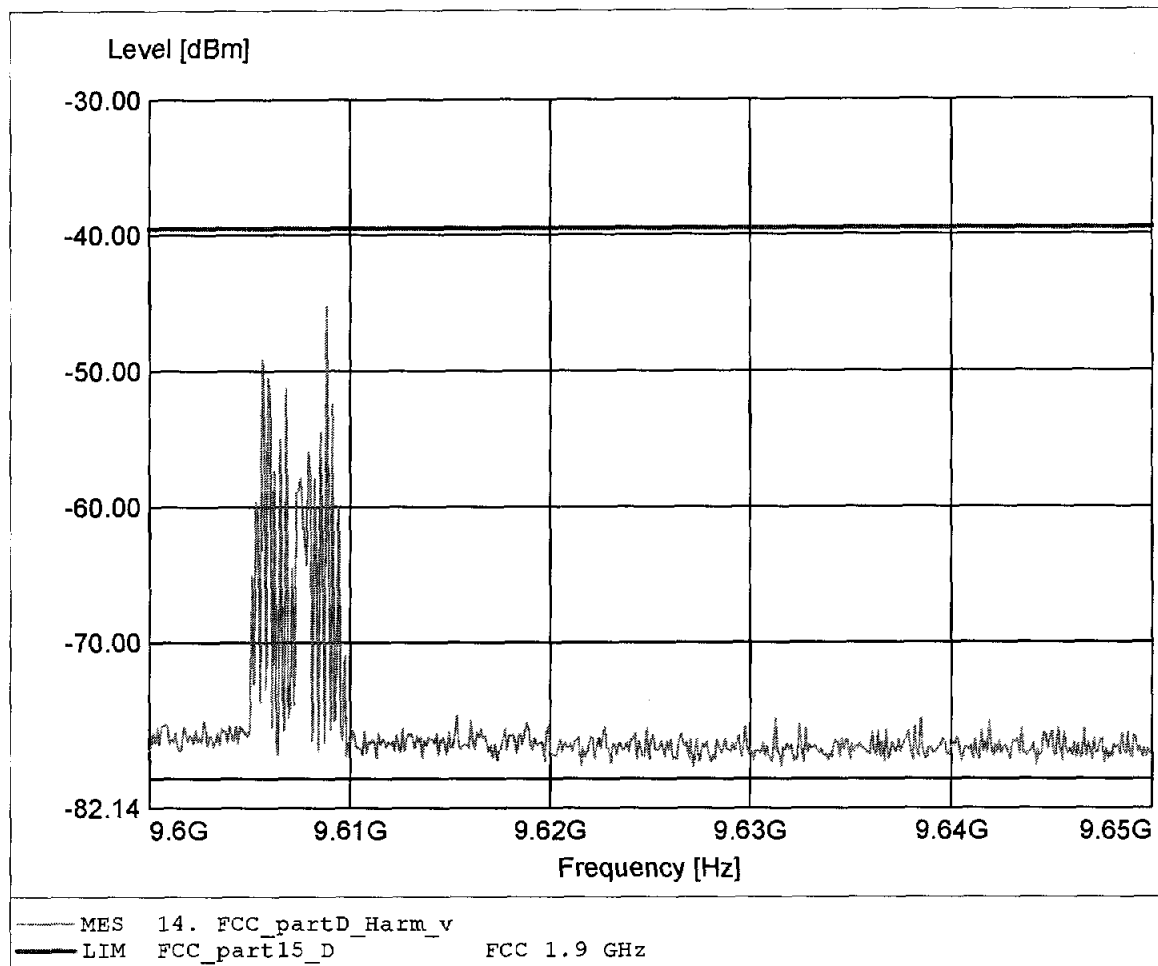
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 7.685GHz Pmax: -51.59dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

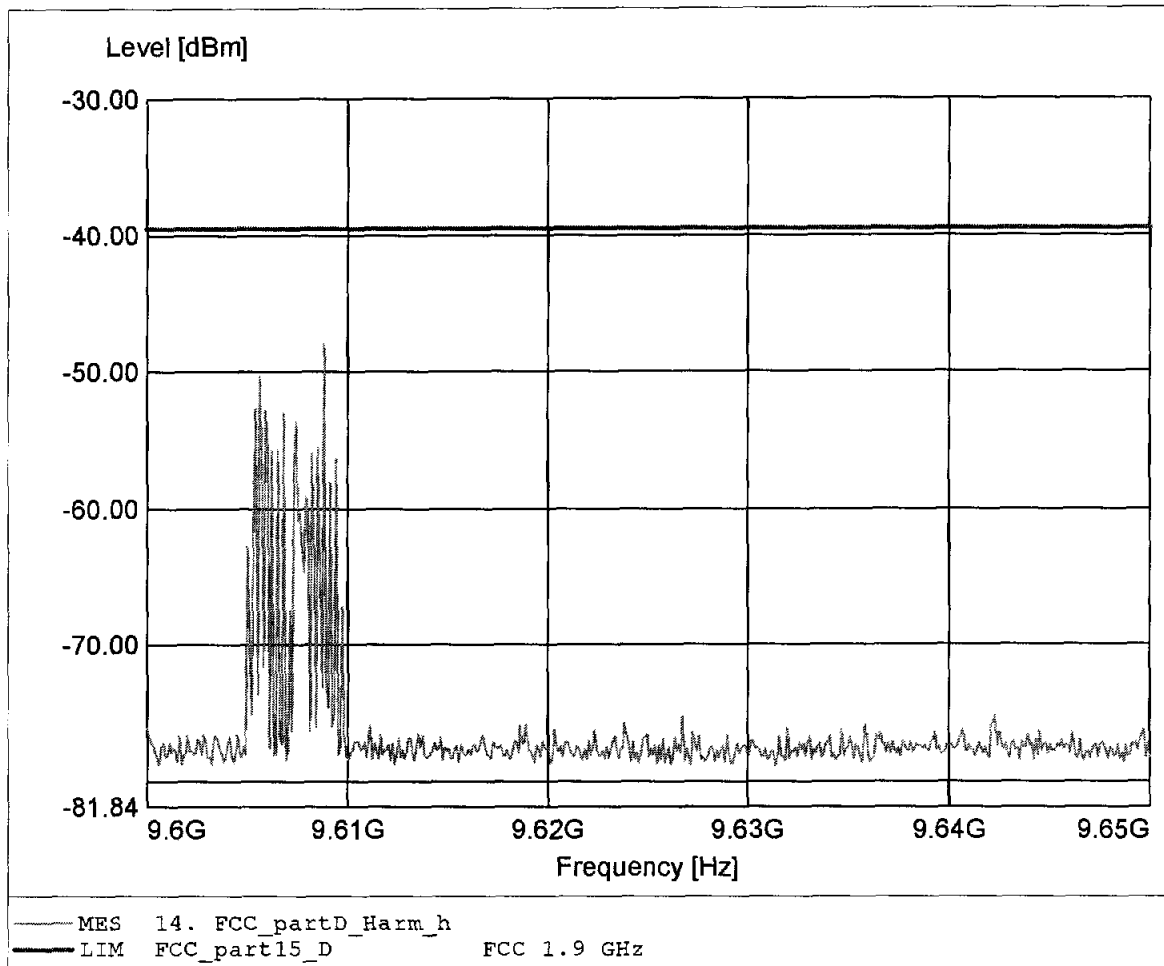
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 9.609GHz Pmax:-45.23dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

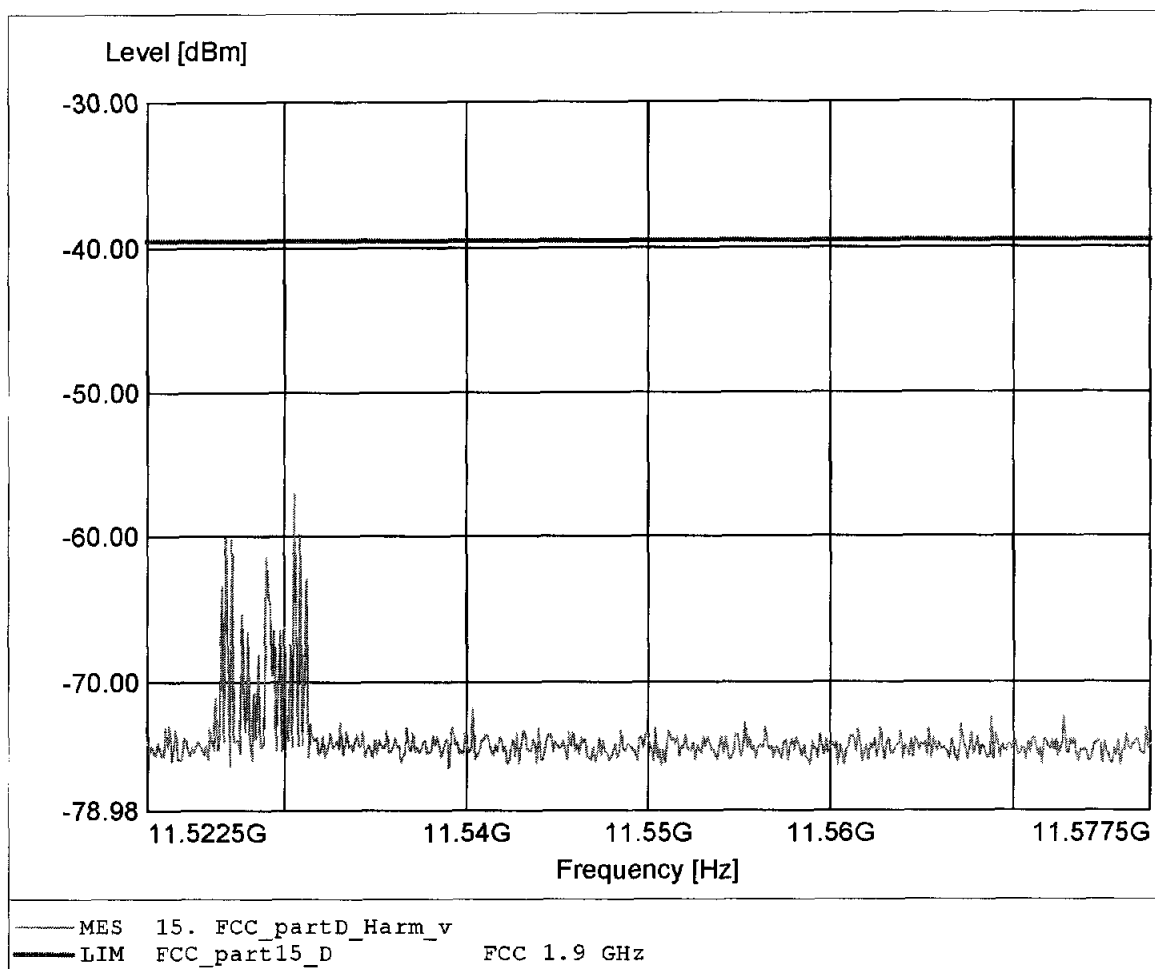
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 9.609GHz Pmax: -47.99dBm RBW: 10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq: 11.531GHz Pmax: -57.04dBm RBW: 10 kHz

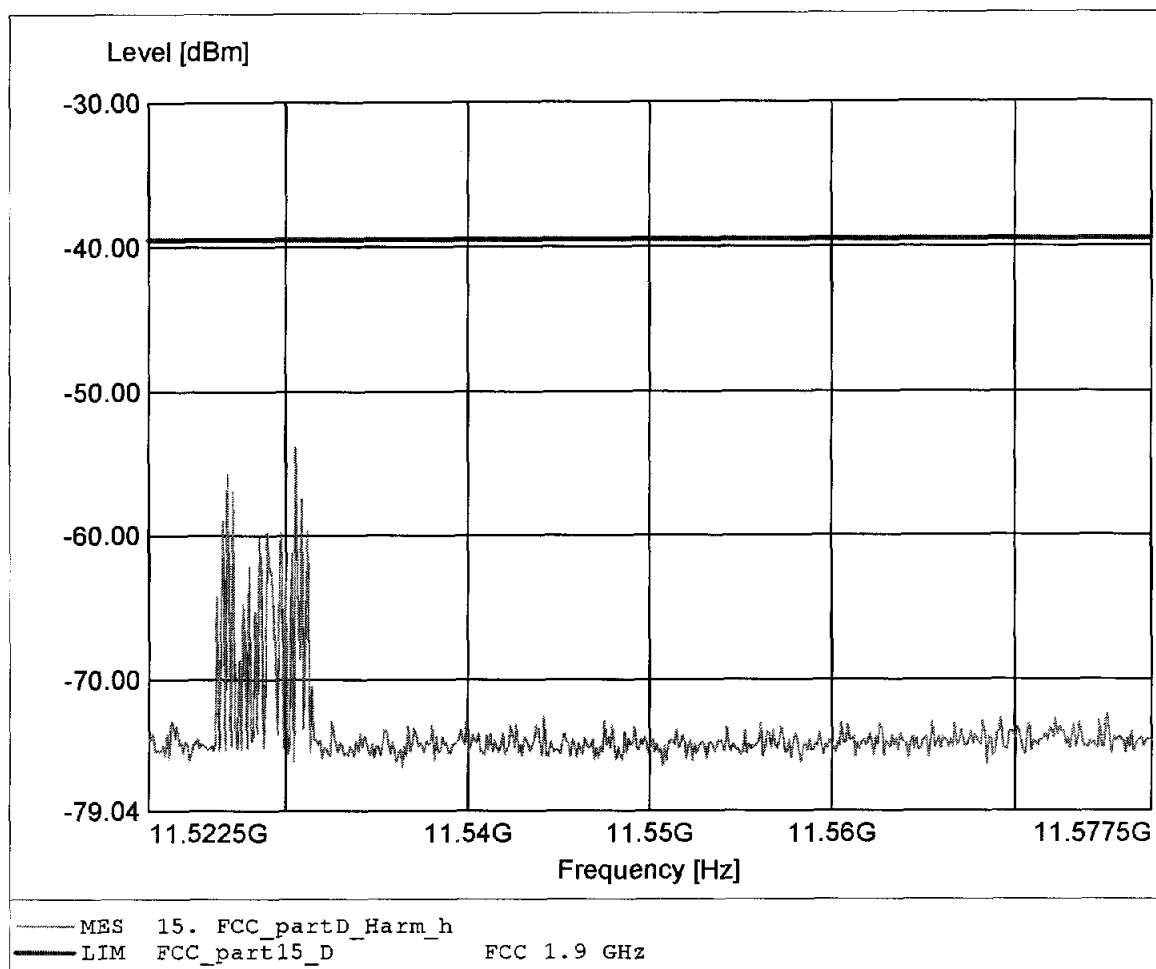




**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

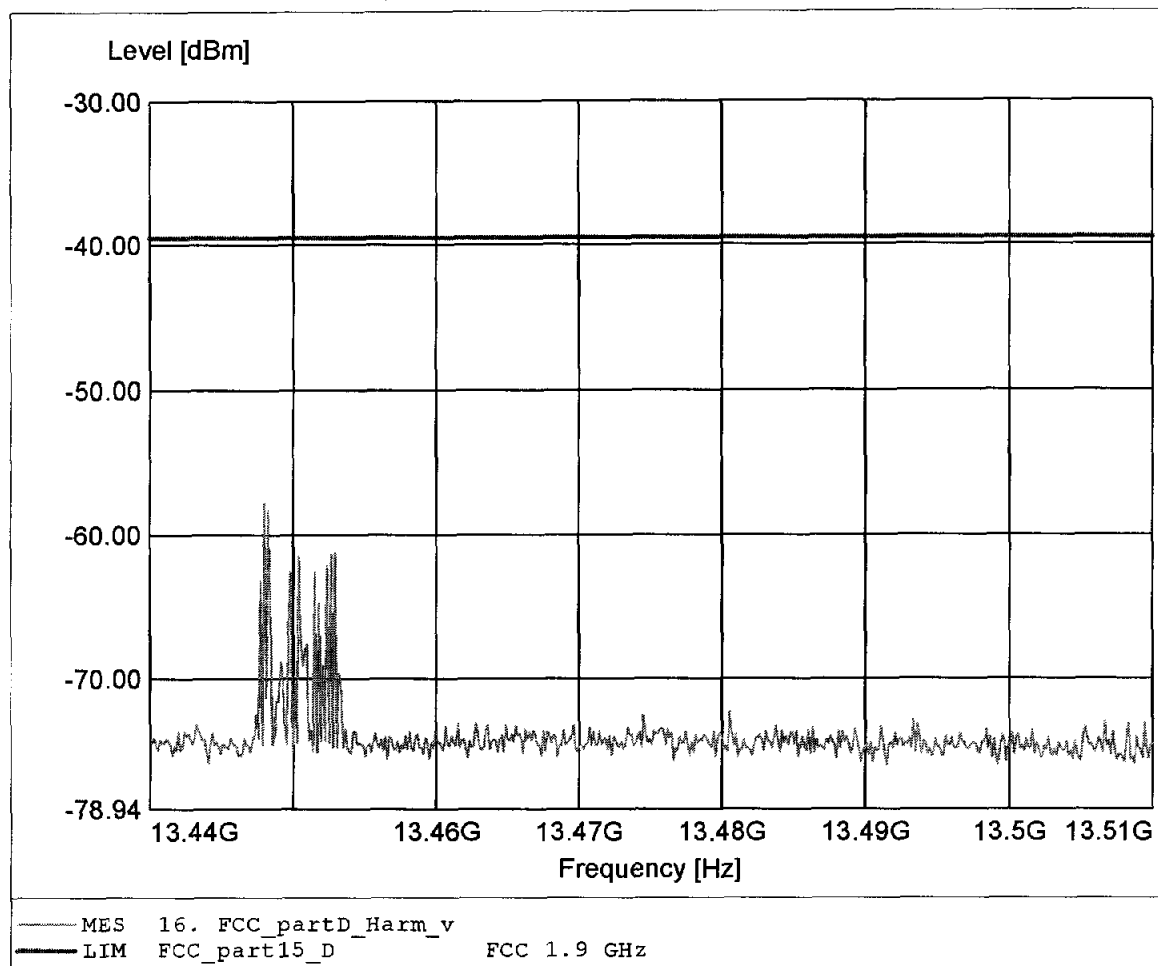
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:11.531GHz Pmax:-53.90dBm RBW:10 kHz



# Spurious emissions under normal conditions

FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

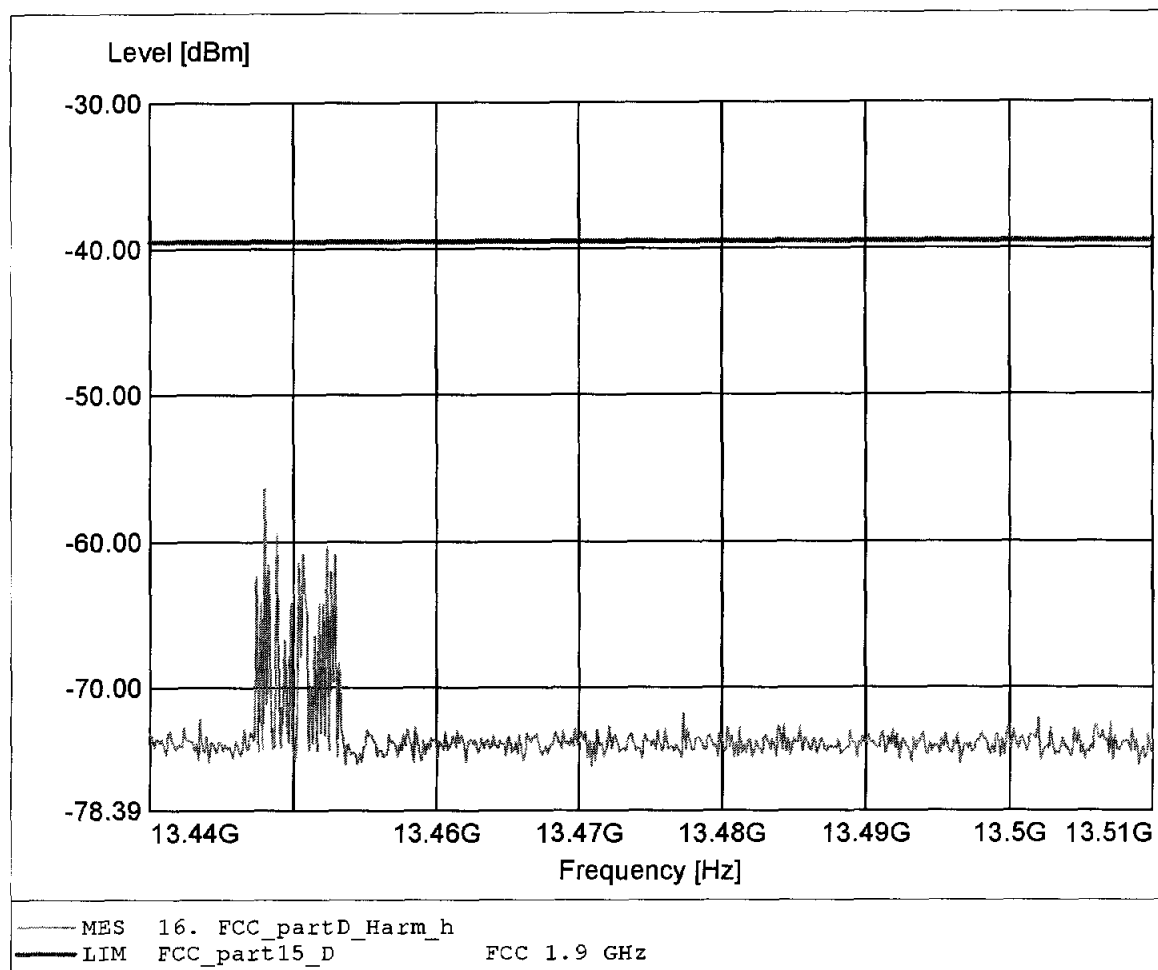
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:13.448GHz Pmax:-57.69dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

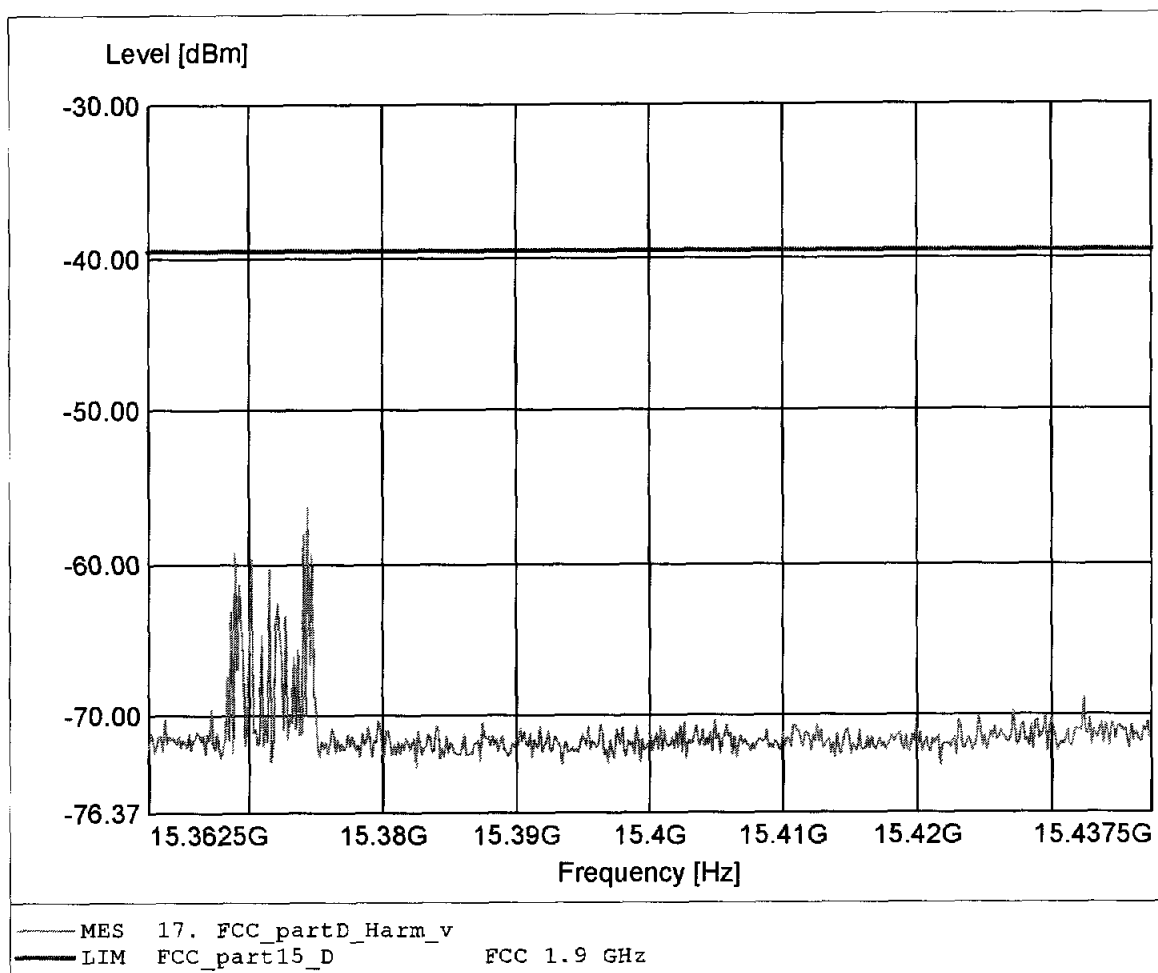
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:13.448GHz Pmax:-56.34dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

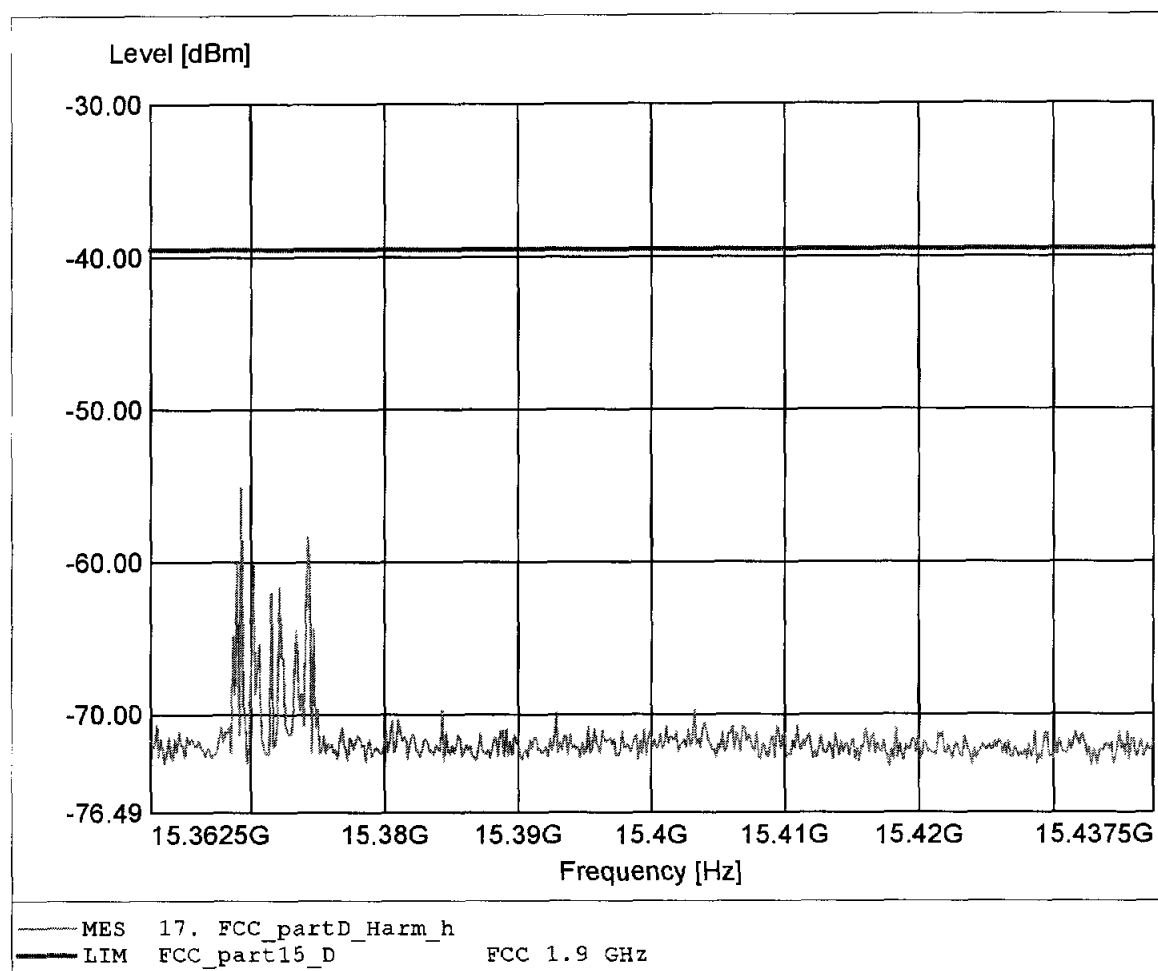
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:15.374GHz Pmax:-56.30dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

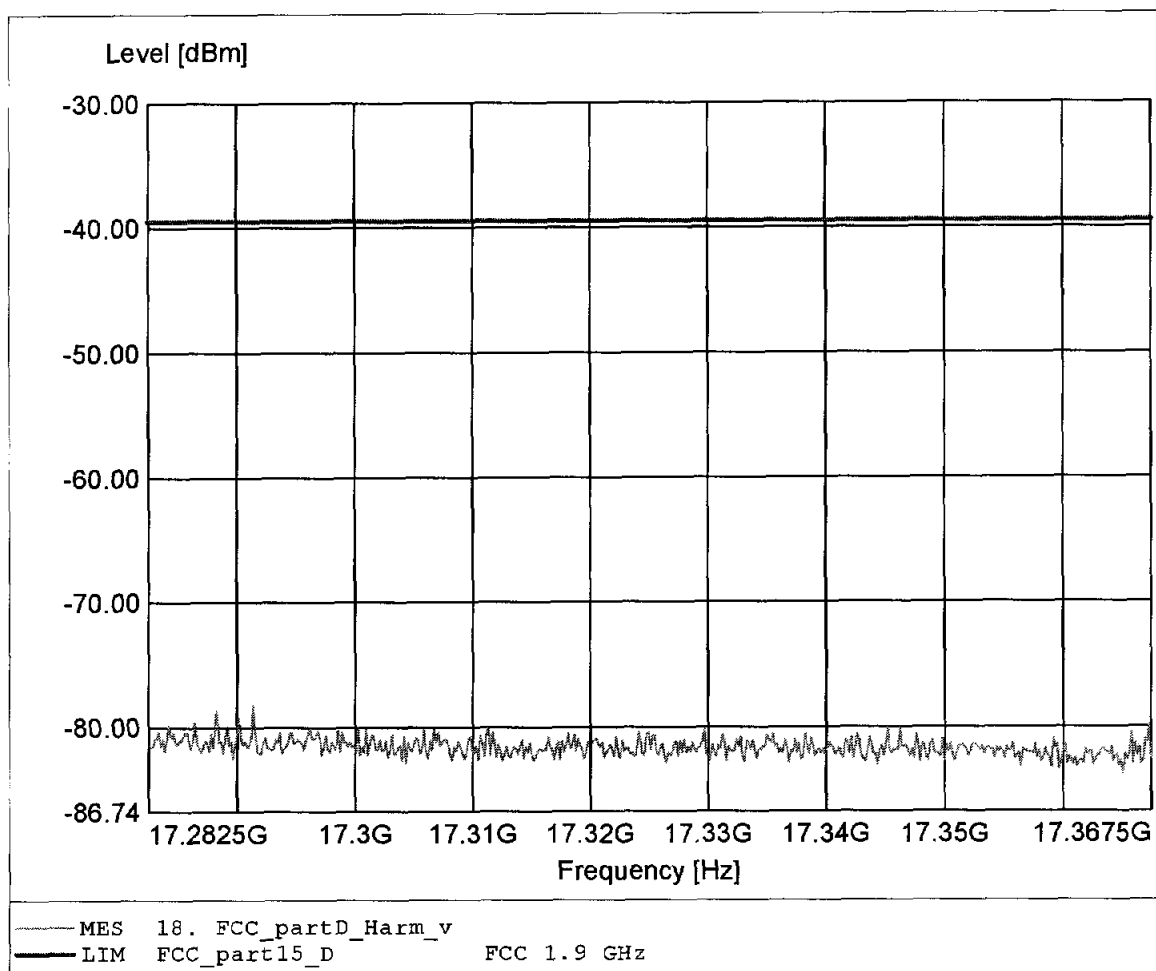
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:15.369GHz Pmax:-55.17dBm RBW:10 kHz



# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

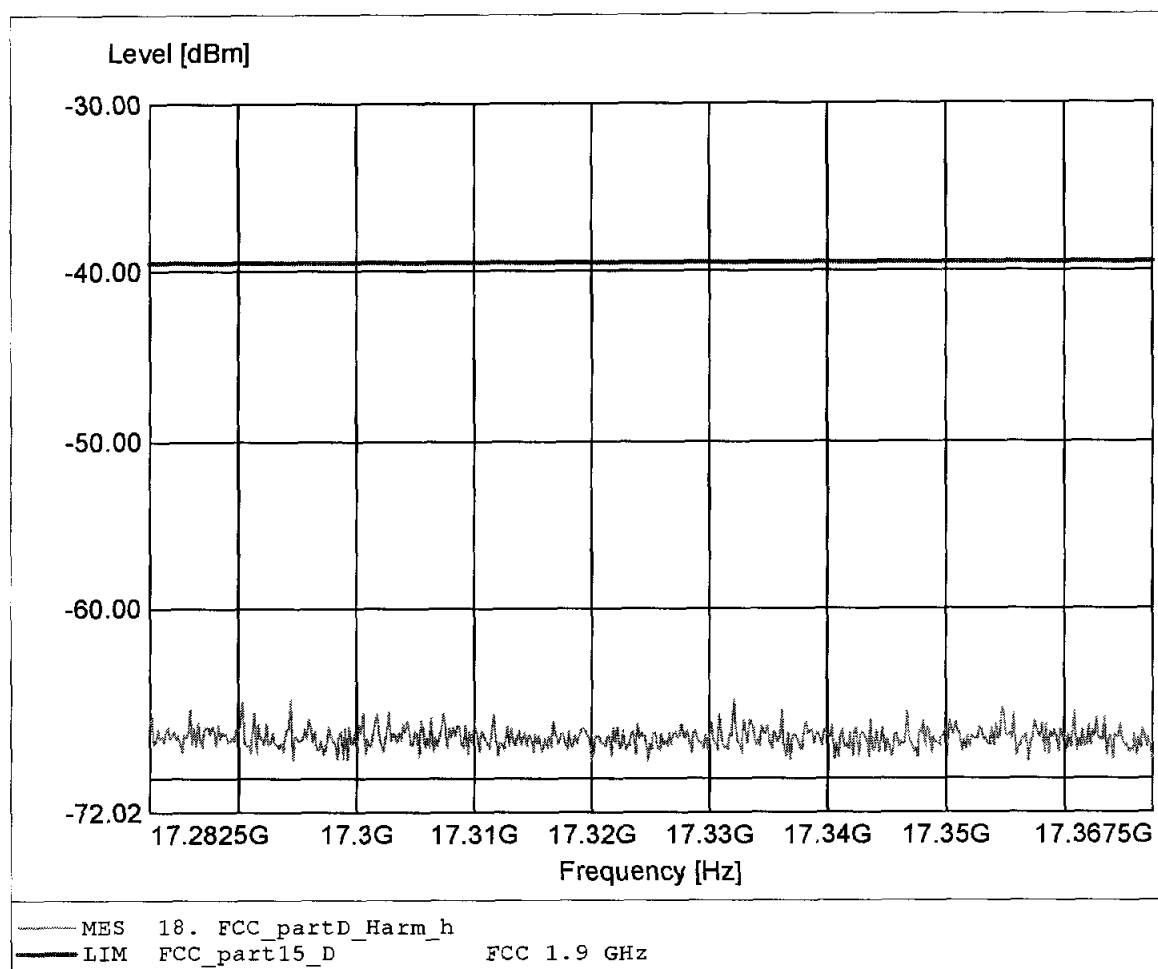
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:17.291GHz Pmax:-78.20dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

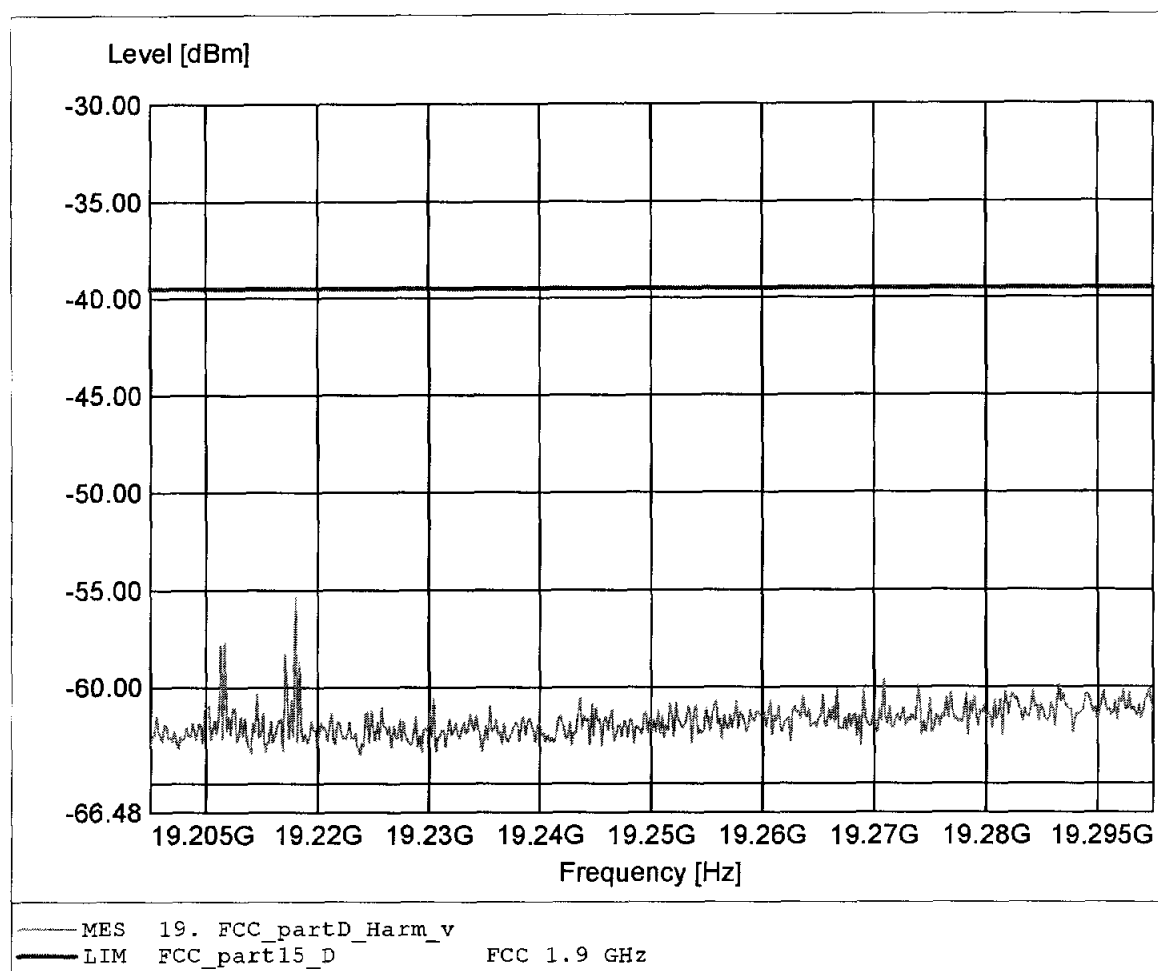
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: BBHA 9120D, ampl.  
Comment 2: Freq:17.294GHz Pmax:-65.31dBm RBW:10 kHz



**Spurious emissions under normal conditions**

**FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)**

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:19.218GHz Pmax:-55.37dBm RBW:10 kHz

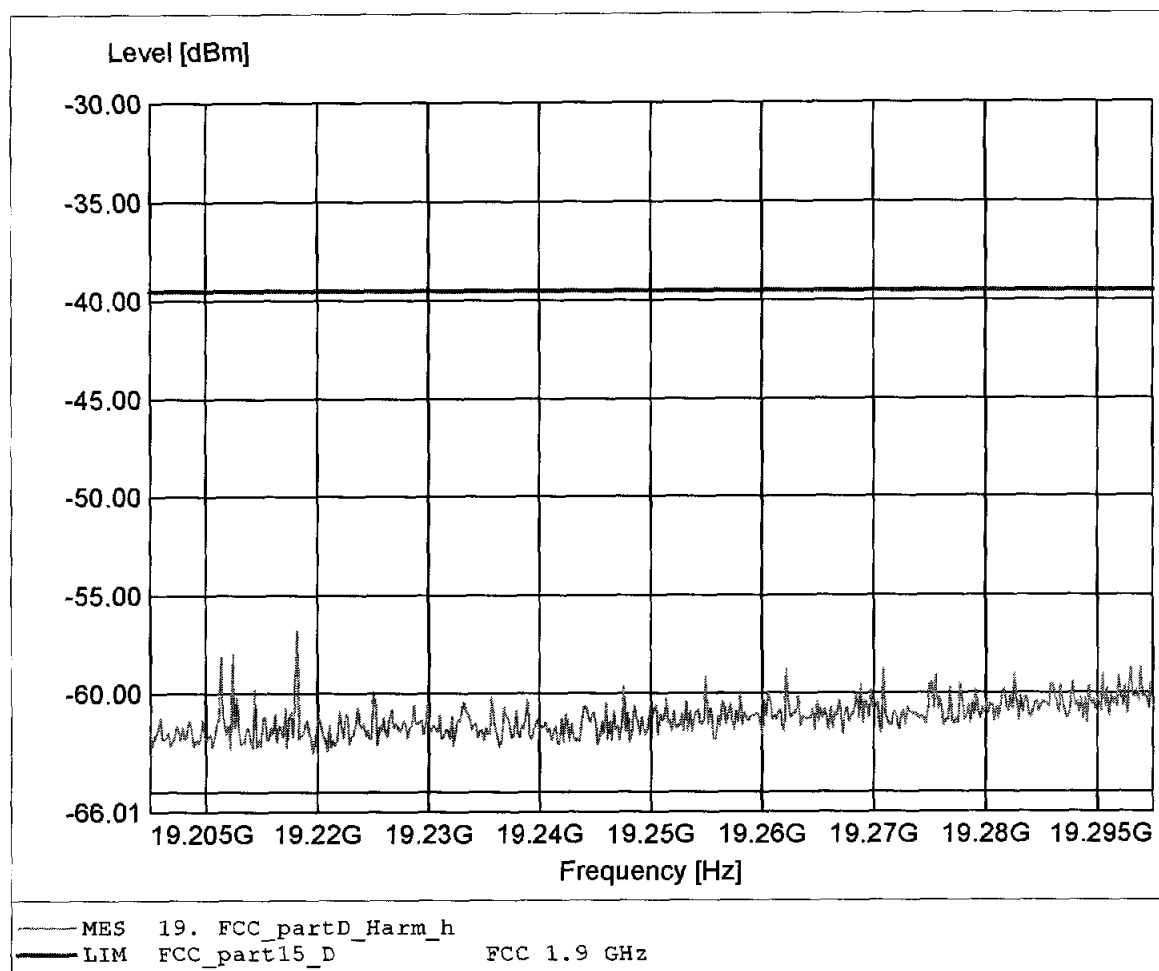




# Spurious emissions under normal conditions

## FCC PART 15, SUBPART D (ANSI C63.17-1998, Subclause 6.1.6.3)

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model / channel: QD-BP6 (Portable Part) / 4  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: Fully anechoic chamber / mode: Tx  
Comment 1: Dist.: 1m, Ant.: HL 025, ampl.  
Comment 2: Freq:19.218GHz Pmax:-56.78dBm RBW:10 kHz



## Appendix S

Frame period

## FCC Part 15.323(e.1) Frame repetition

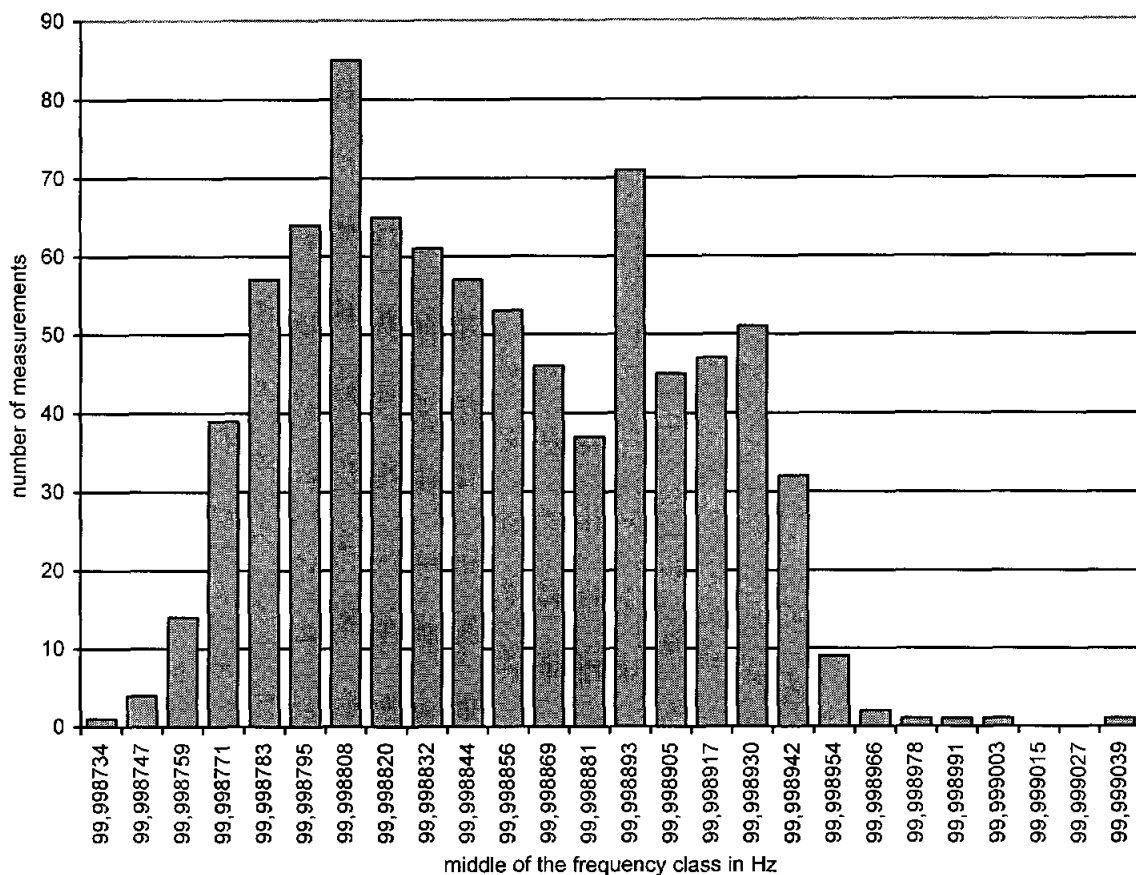
### Testprocedure ANSI 63.17-1998 6.2.2

#### UCPS

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.2 Frame repetition

Width of the frequency class	0,000012 Hz
Mean	99,998851 Hz
Deviation	0,000054
Stability in ppm	1,605557 ppm
Test result	Verdict = PASS

### Histogram



### Measurement diagram

# FCC Part 15.323(e.4) Frame Period and jitter

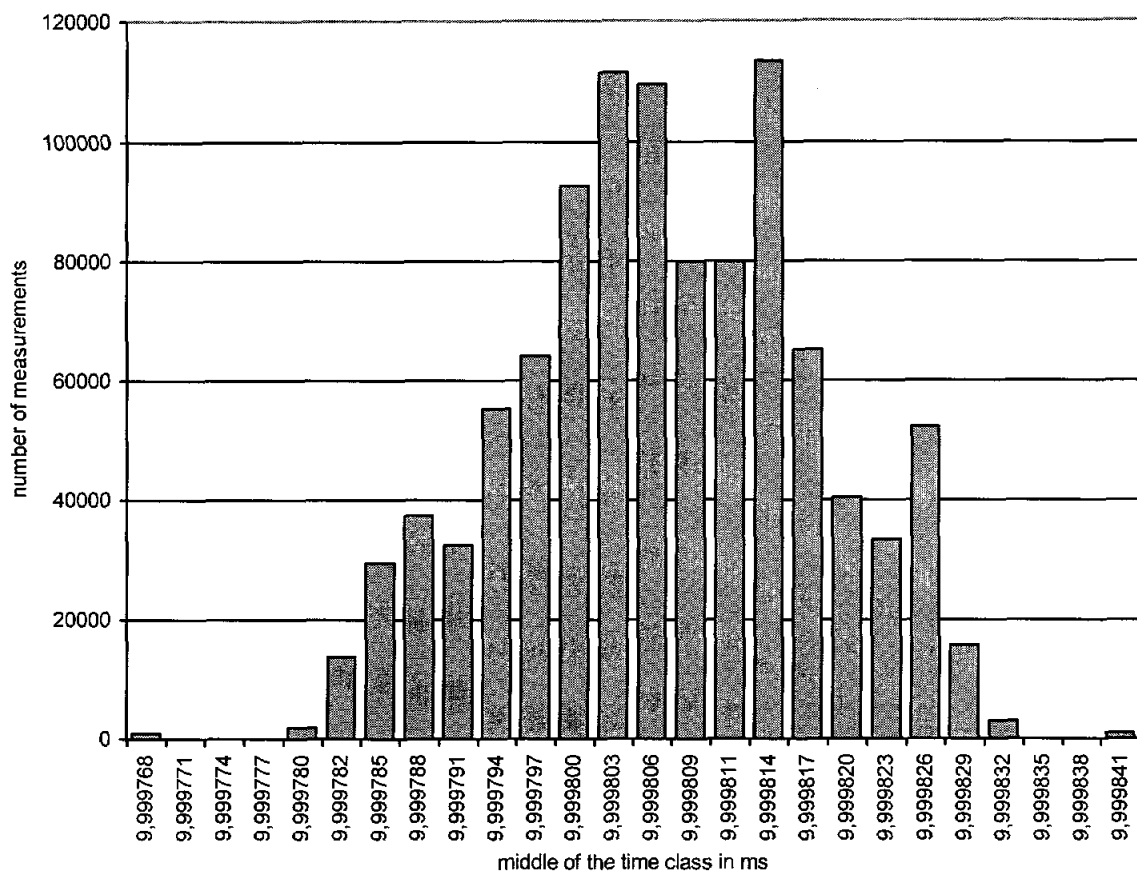
Testprocedure ANSI 63.17-1998 6.2.3

UCPS

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	23°C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.3 Frame Period and jitter

Width of the time class	0,002906 $\mu$ s
Mean	9,999807 ms
Deviation	0,000011
Max-Min	0,072643 $\mu$ s
Test result	Verdict = PASS

## Histogram



## Measurement diagram

## Appendix T

Frequency stability

## FCC Part 15.323(f) Frequency Stability

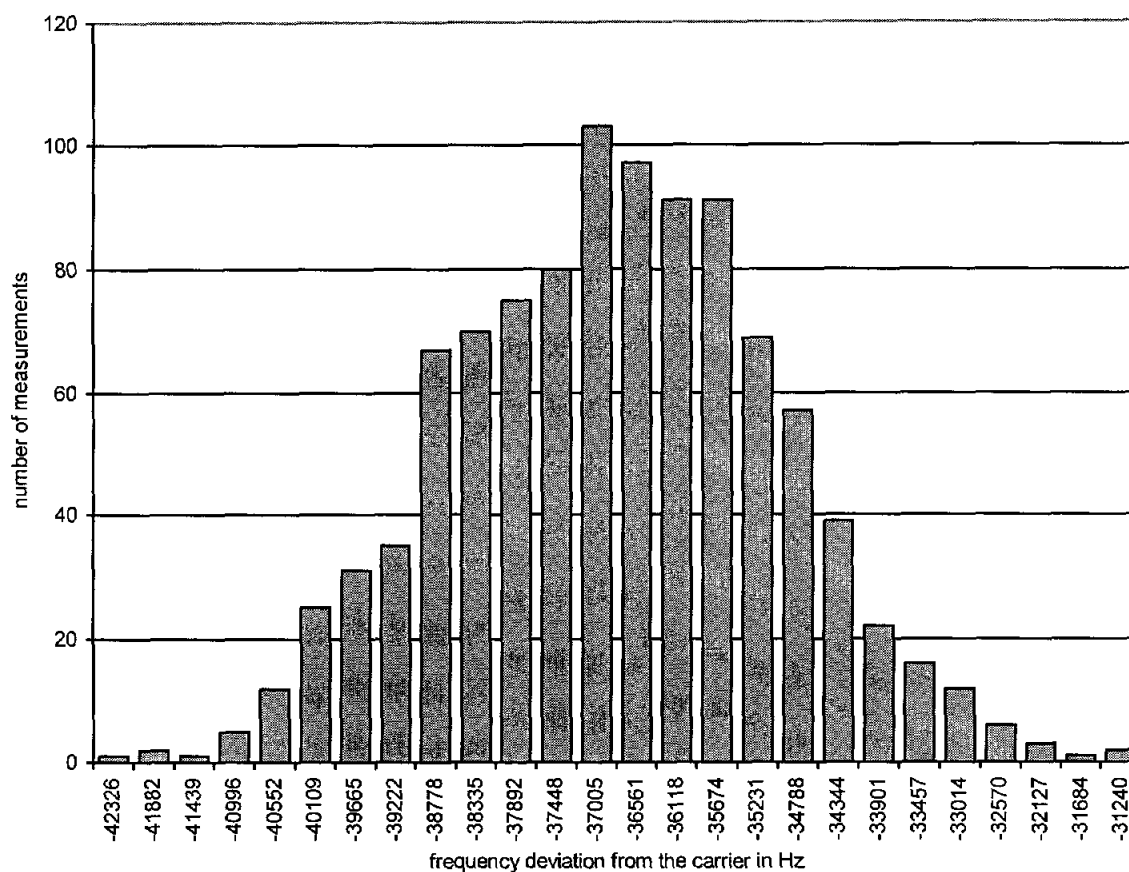
### Testprocedure ANSI 63.17-1998 6.2.1

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	25 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1924,992000 MHz
Measured mean	1924,955187 MHz

Result	Reference measurement
--------	-----------------------

### Histogram



Measurement diagram

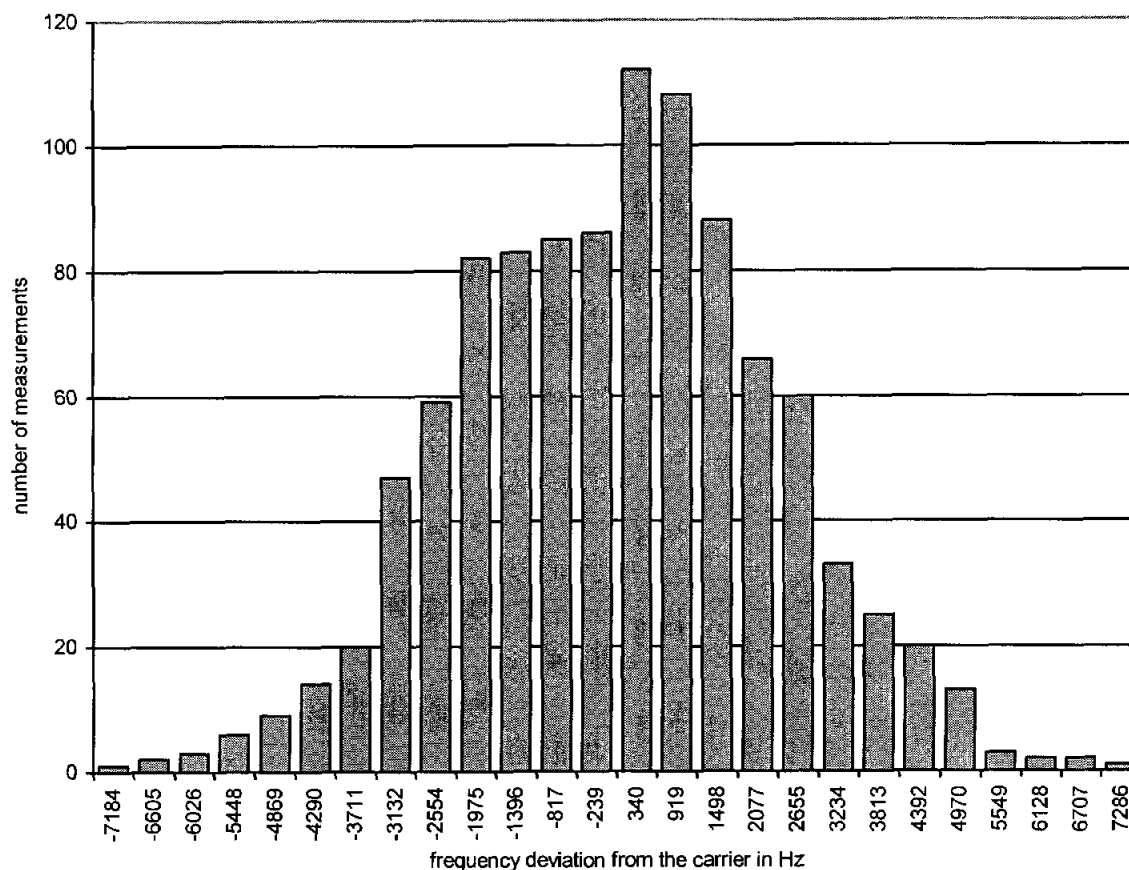
## FCC Part 15.323(f) Frequency Stability

### Testprocedure ANSI 63.17-1998 6.2.1

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	0 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1924,955187 MHz
Measured mean	1924,955239 MHz
Deviation	-0,03 ppm
Result	Verdict = PASS

### Histogram



Measurement diagram

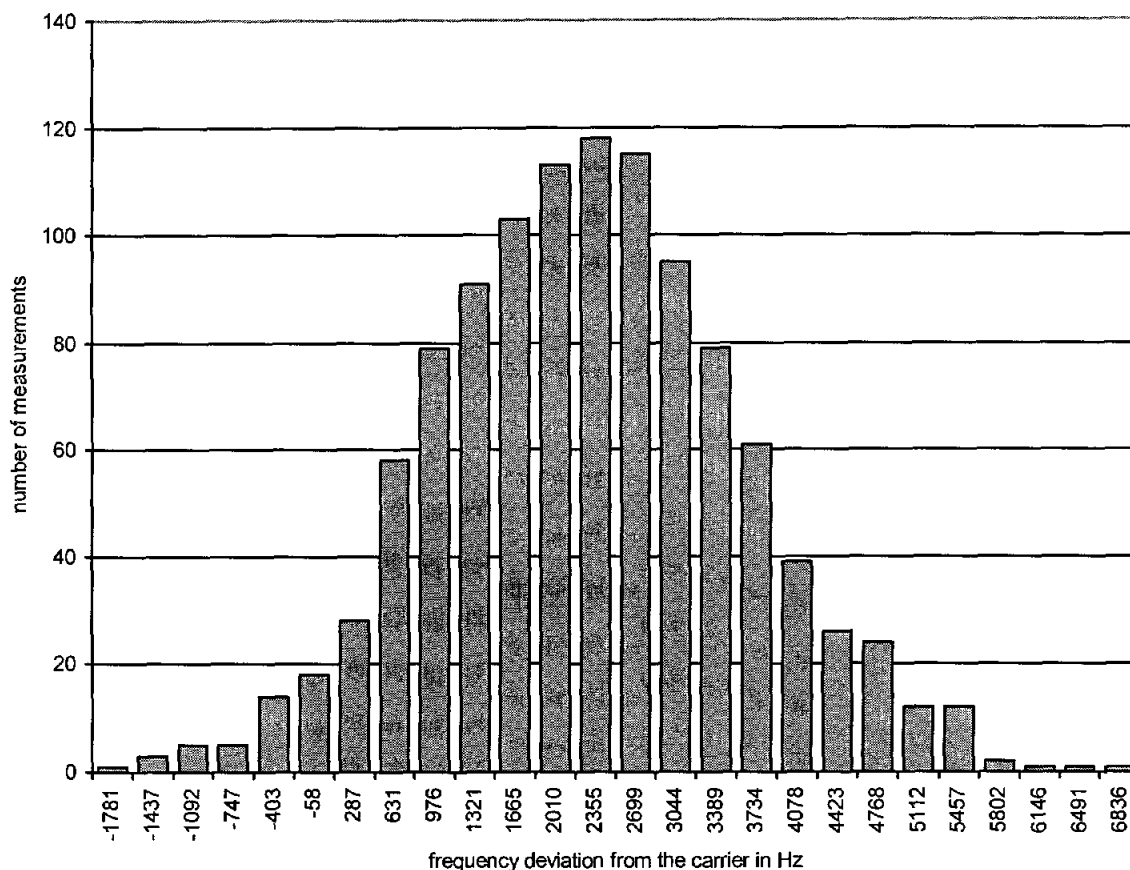
## FCC Part 15.323(f) Frequency Stability

### Testprocedure ANSI 63.17-1998 6.2.1

EUT	Quail Digital
Model	QD-BP6 (Portable Part)
Applicant	Quail LTd
Temperature	50 °C
Test Site / Operator	ETS Reichenwalde
Test Specification	6.2.1 Frequency stability

Power supply	Vnom
Frequency of carrier	1924,955187 MHz
Measured mean	1924,957483 MHz
Deviation	-1,19 ppm
Result	Verdict = PASS

### Histogram



Measurement diagram



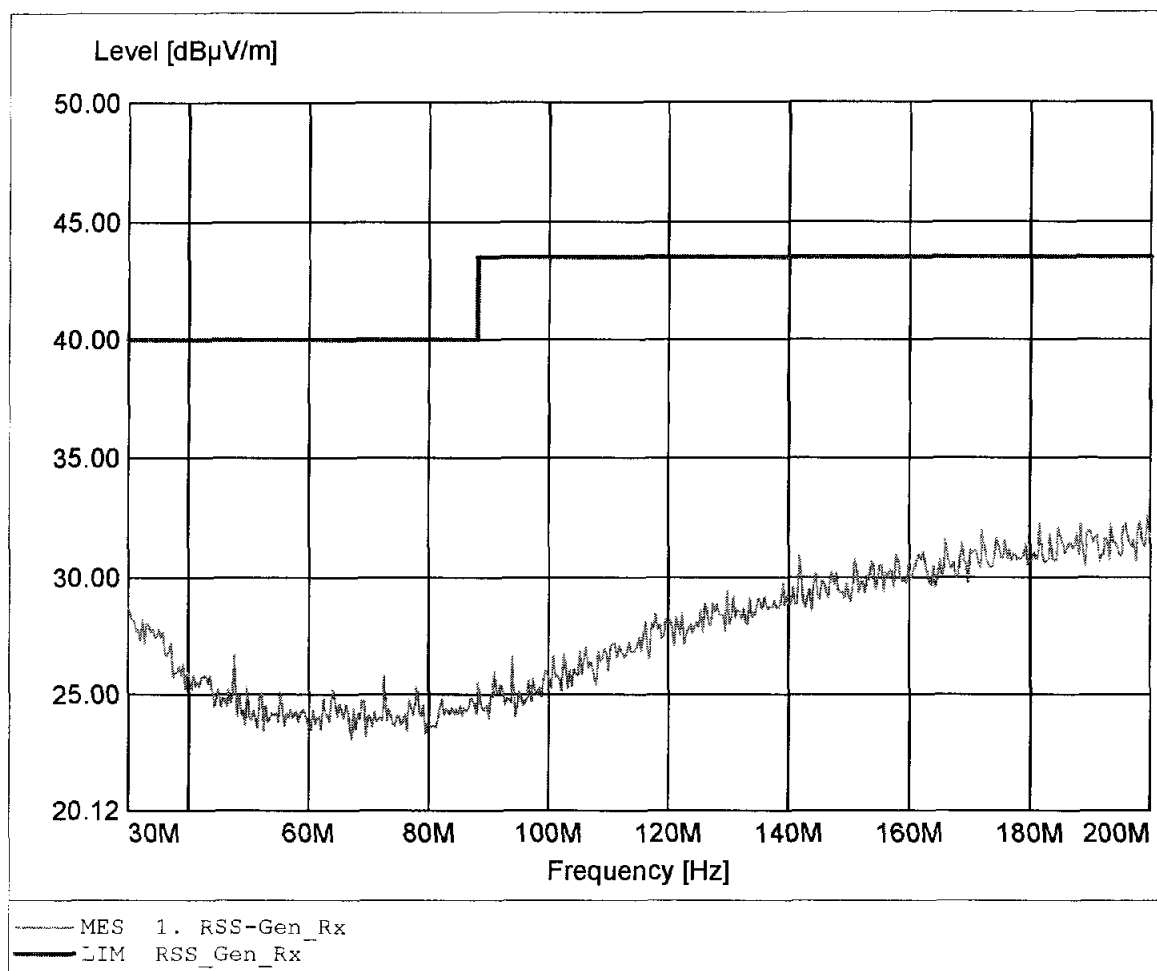
## Appendix U

Receiver spurious emissions

# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

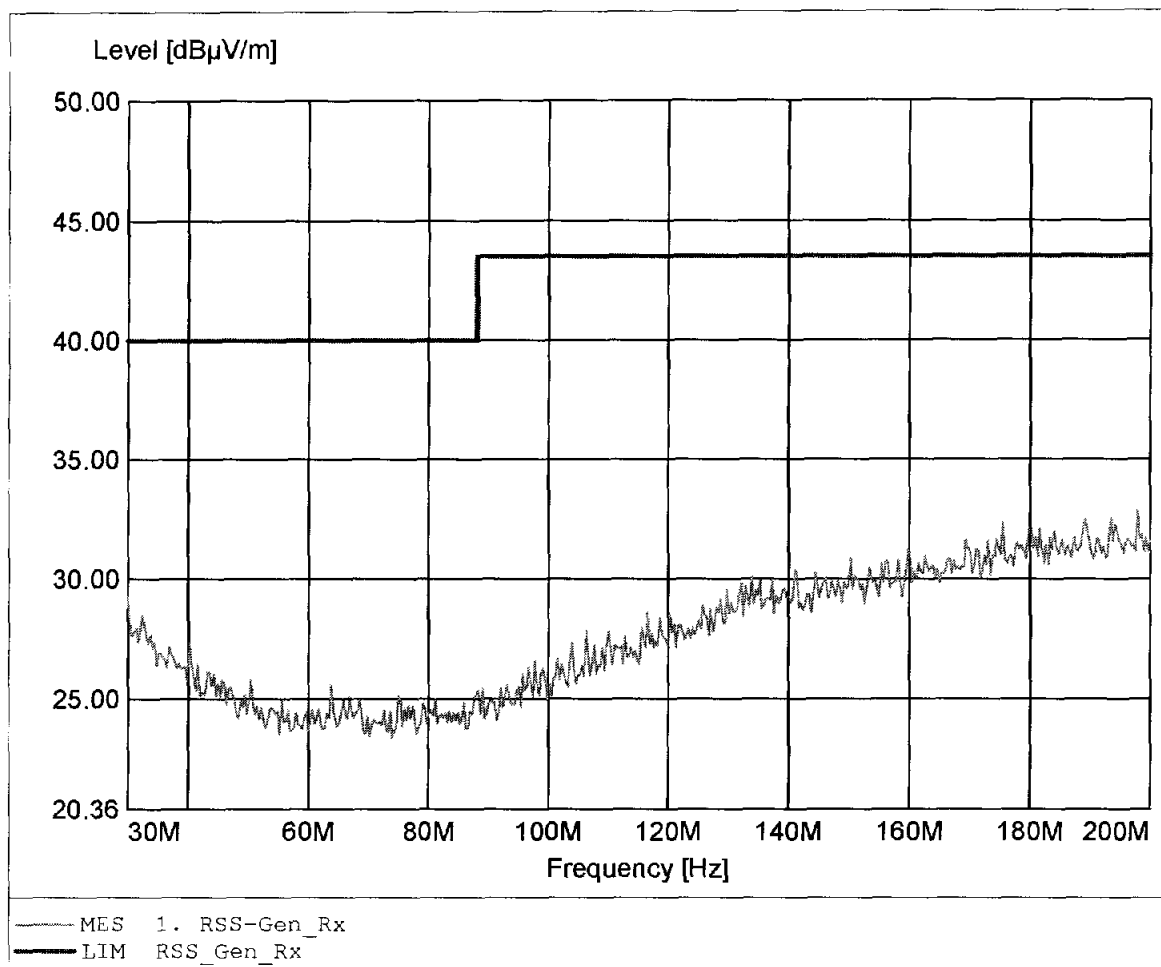
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to RSS-Gen  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:199.659MHz Emax:32.59dBμV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

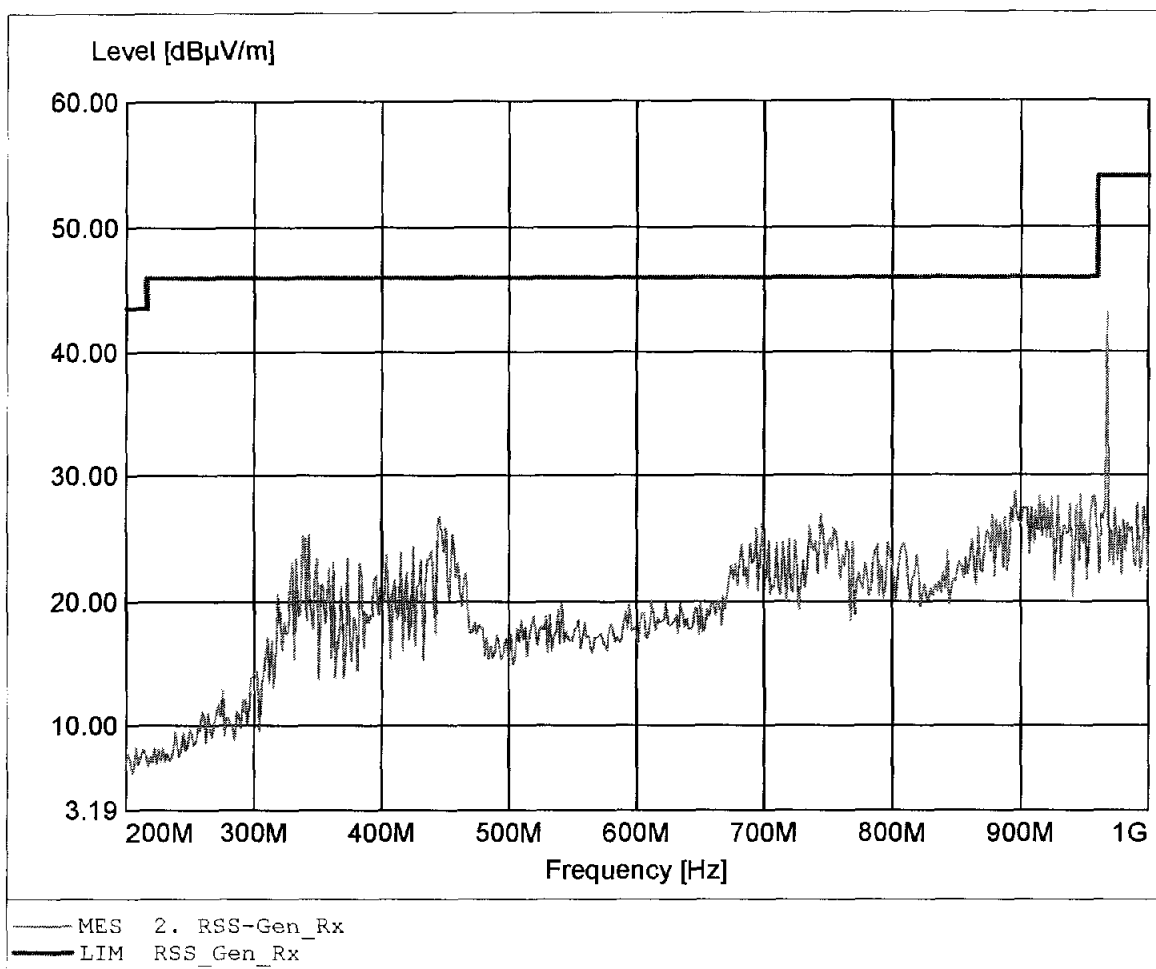
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to RSS-Gen  
Comment 1: Dist.: 3m, Ant.: HK 116  
Comment 2: Freq:197.956MHz Emax:32.84dBμV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

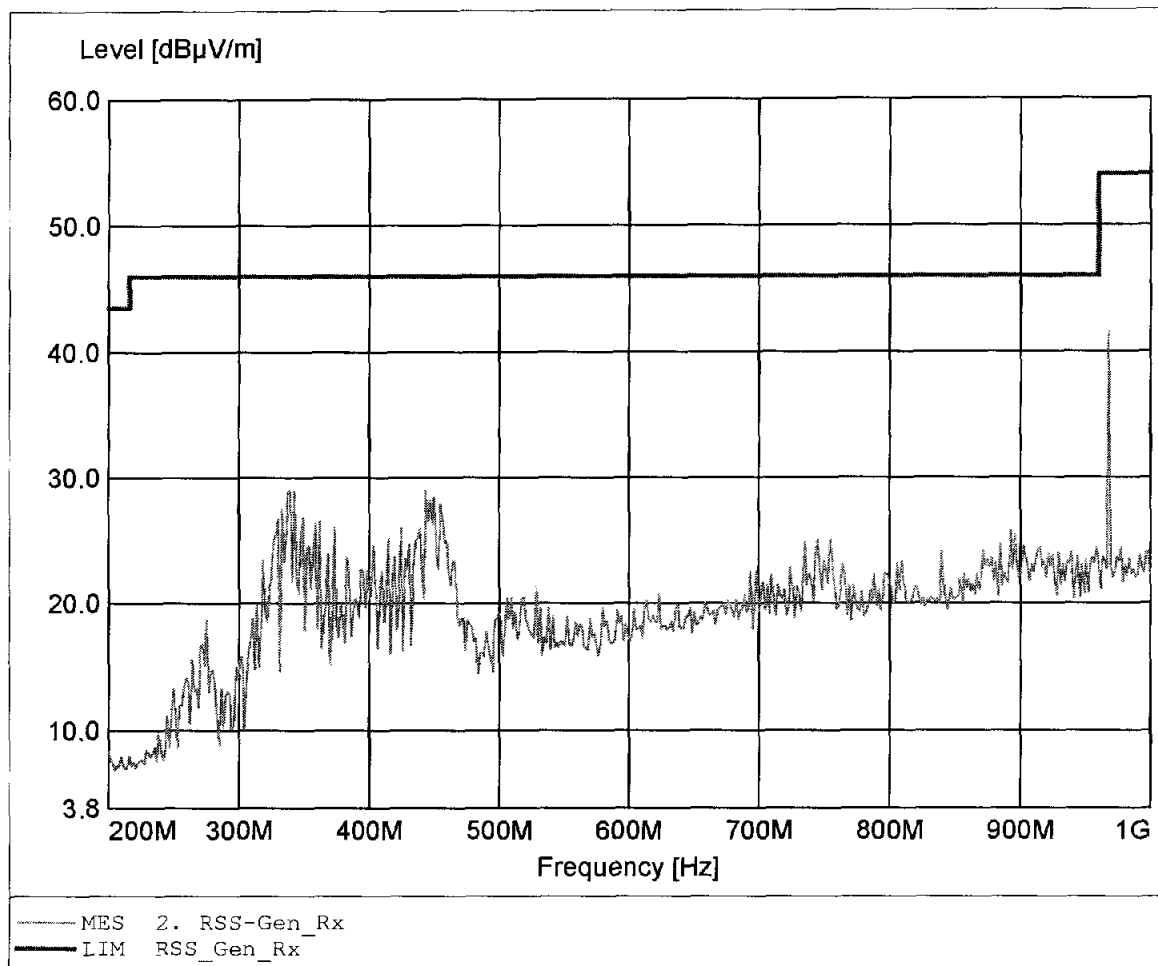
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to RSS-Gen  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 967.936MHz Emax: 43.09dBµV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

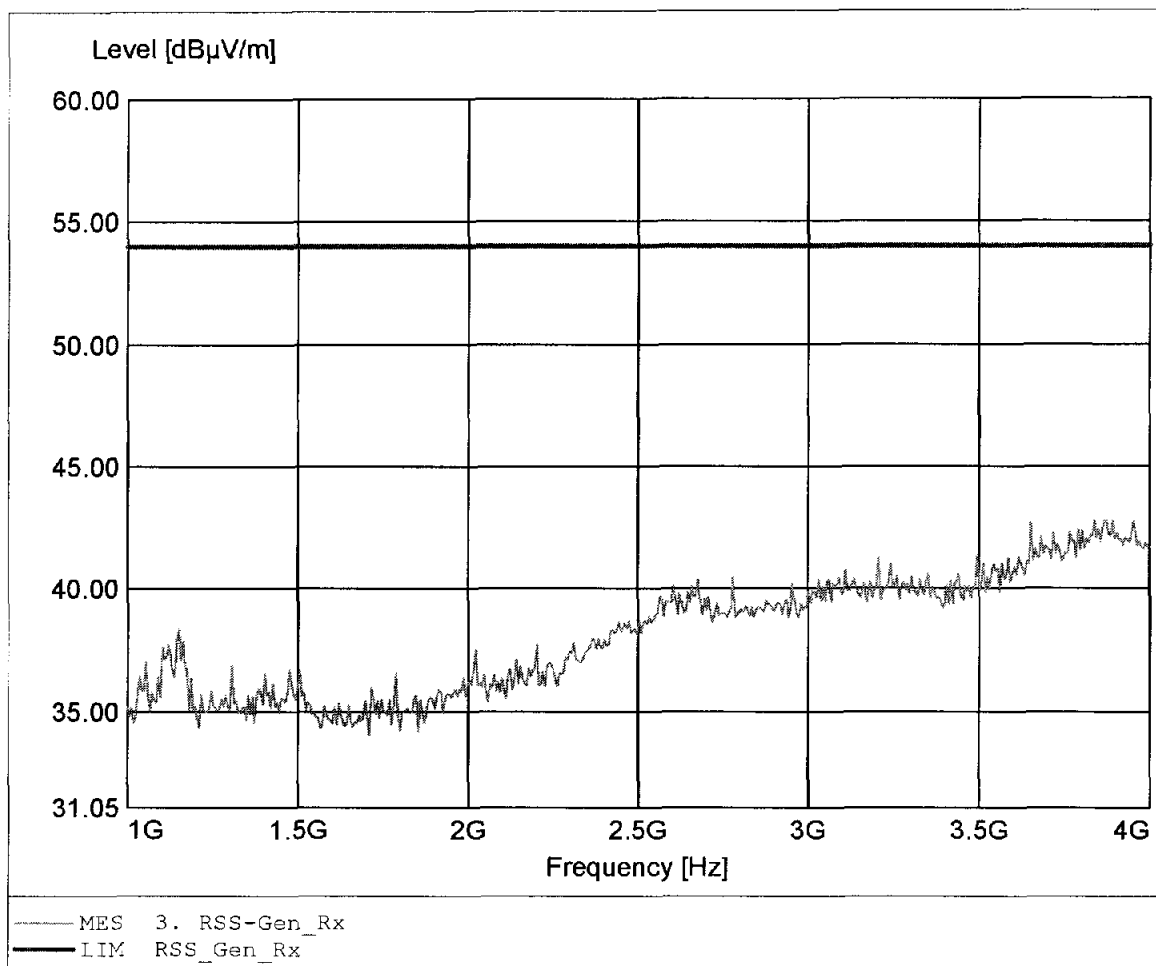
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to RSS-Gen  
Comment 1: Dist.: 3m, Ant.: HL 223, ampl.  
Comment 2: Freq: 967.936MHz Emax: 41.63dBµV/m RBW: 100 kHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

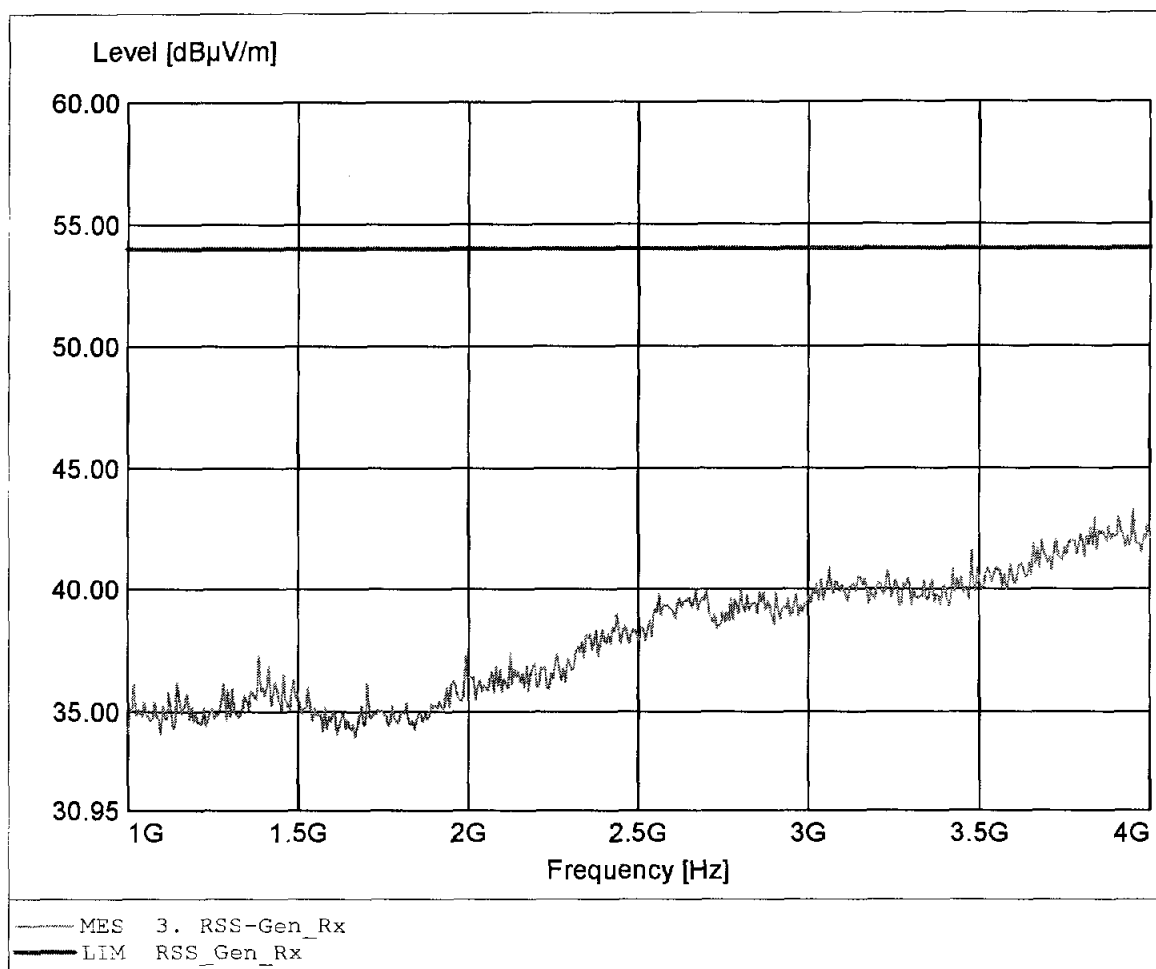
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.838GHz Emax:42.77dB $\mu$ V/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

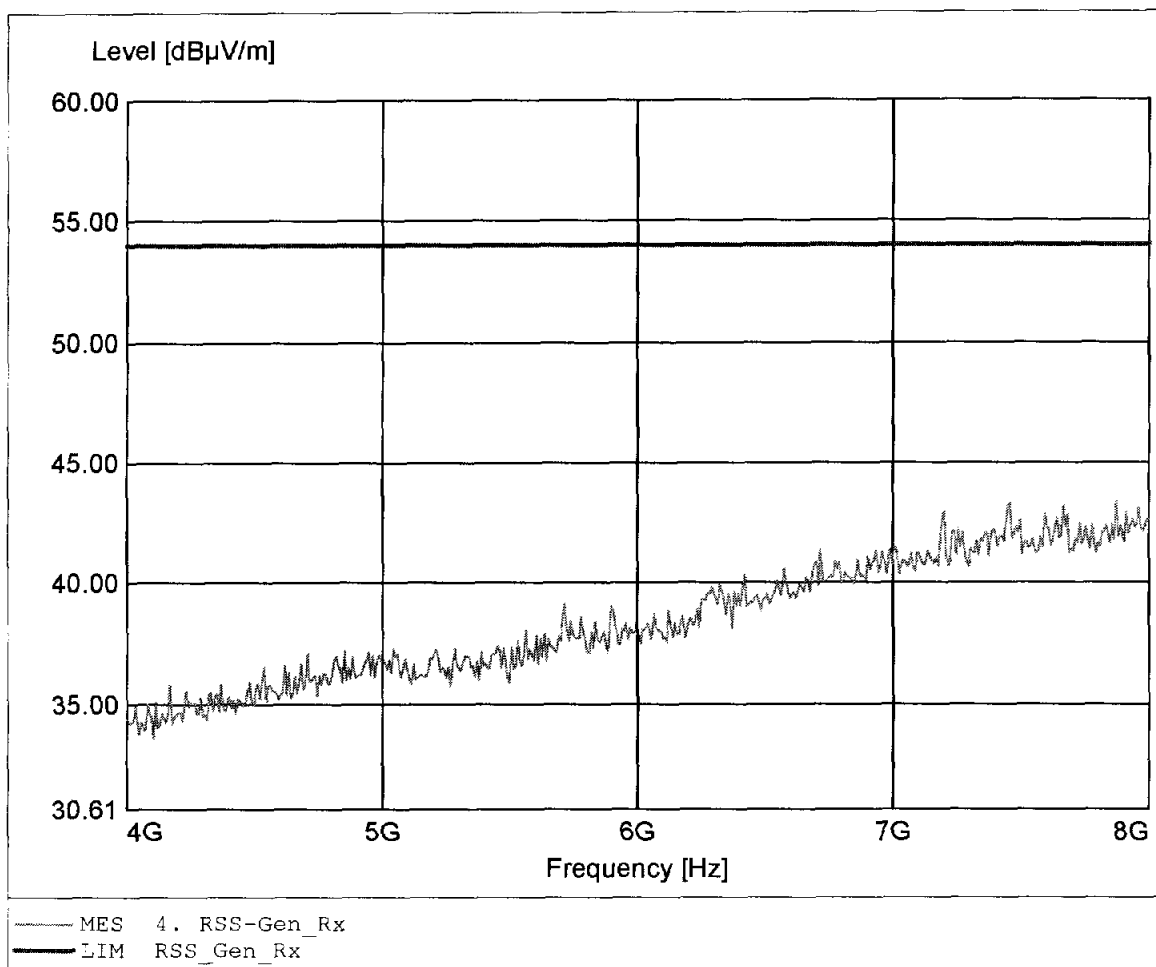
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:3.952GHz Emax:43.30dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq: 7.872GHz Emax: 43.39dBμV/m RBW: 1 MHz

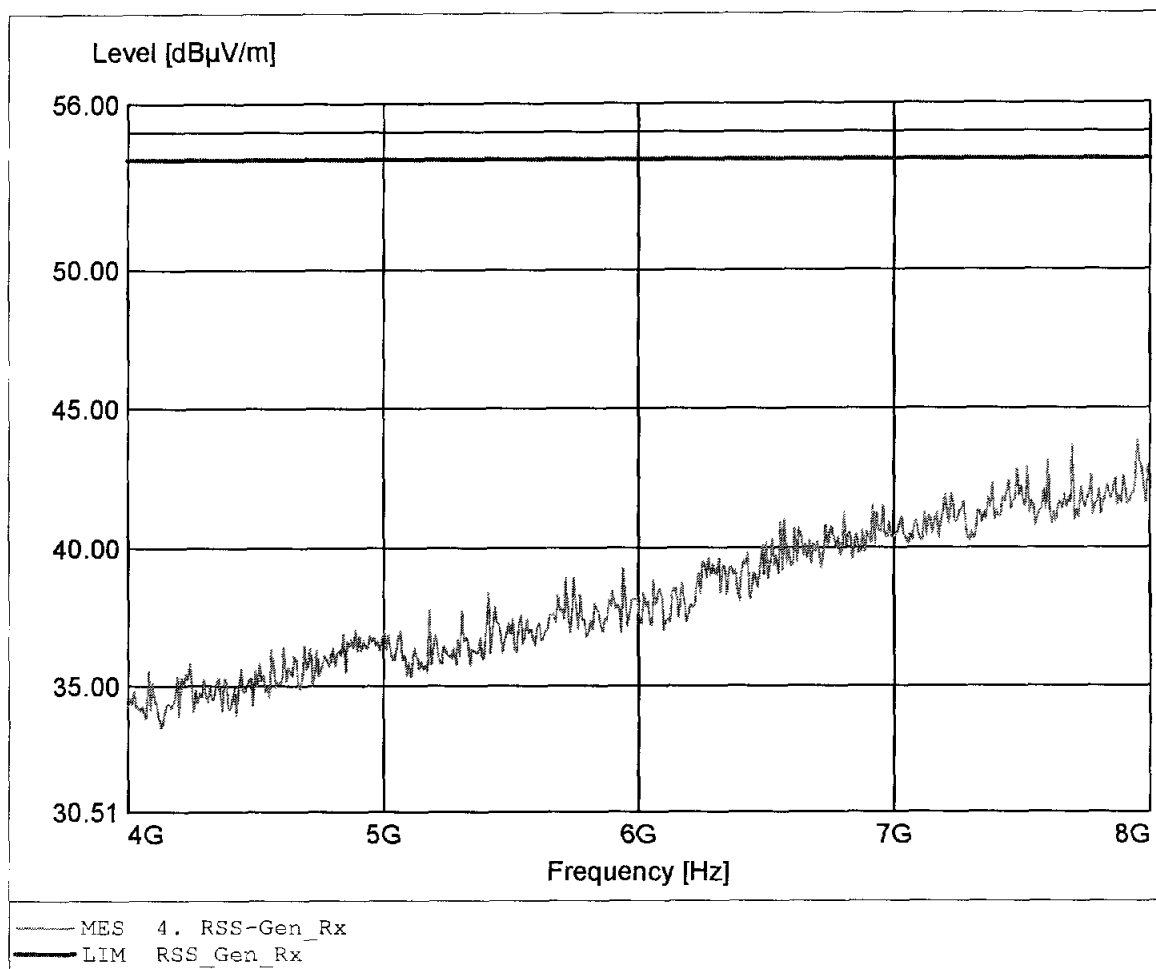




# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

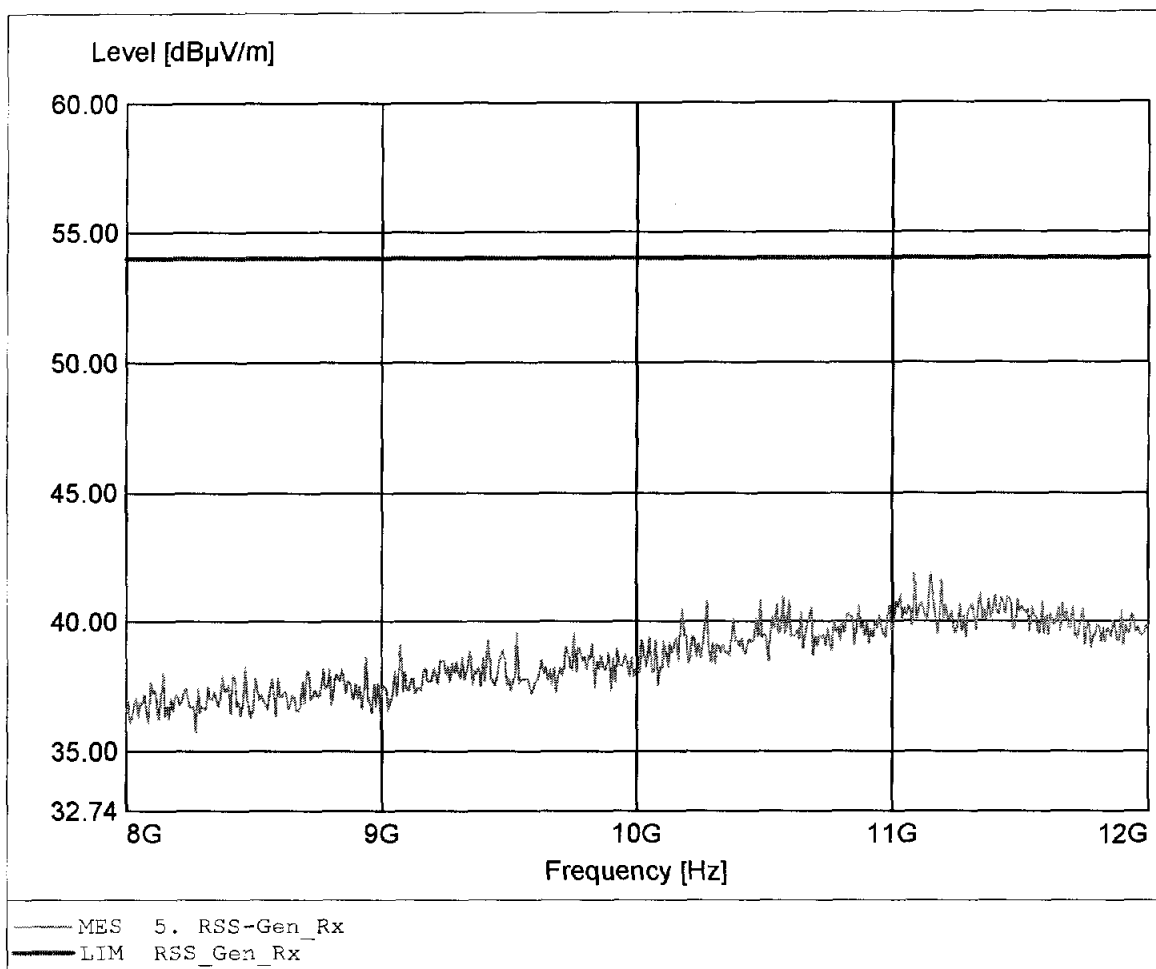
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq: 7.952GHz Emax: 43.84dB $\mu$ V/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

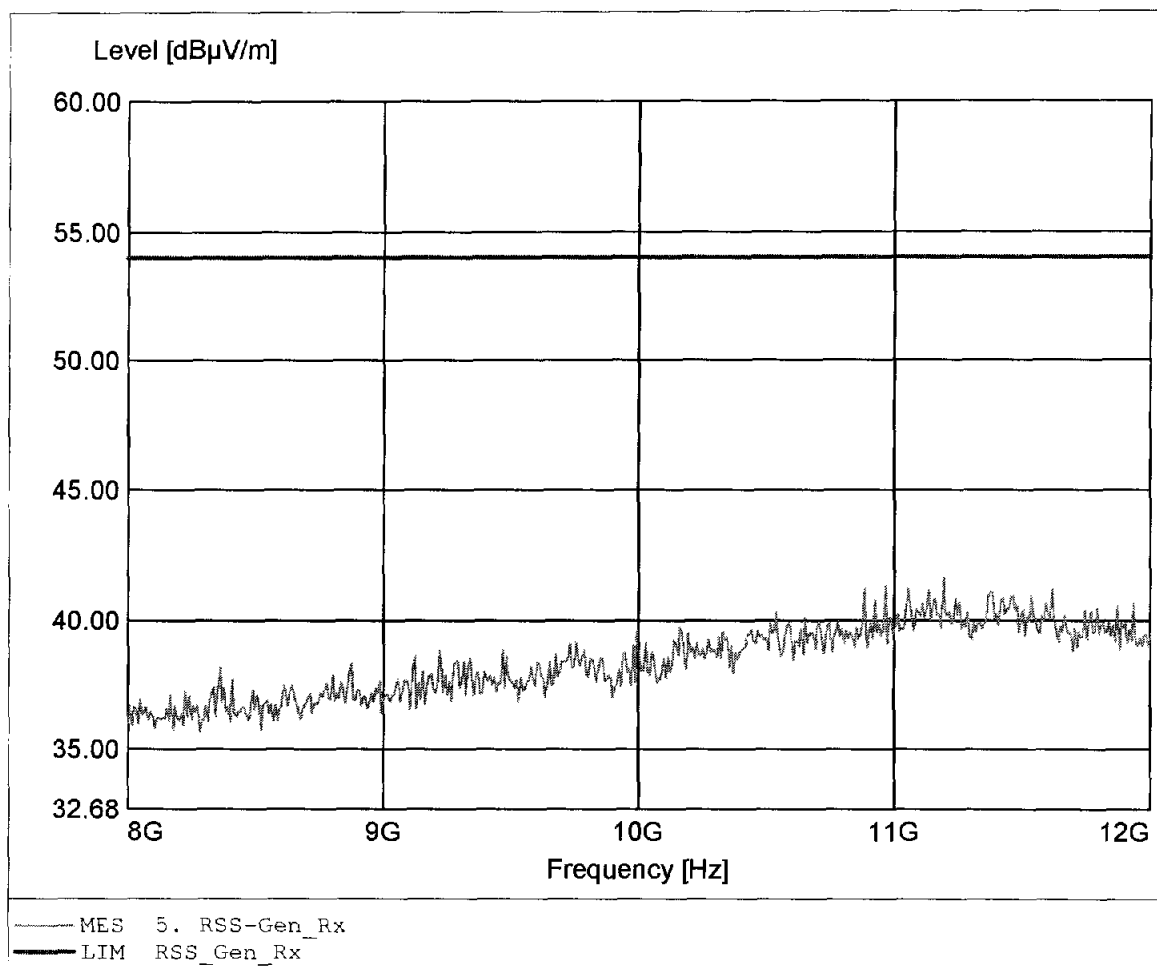
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:11.150GHz Emax:41.86dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

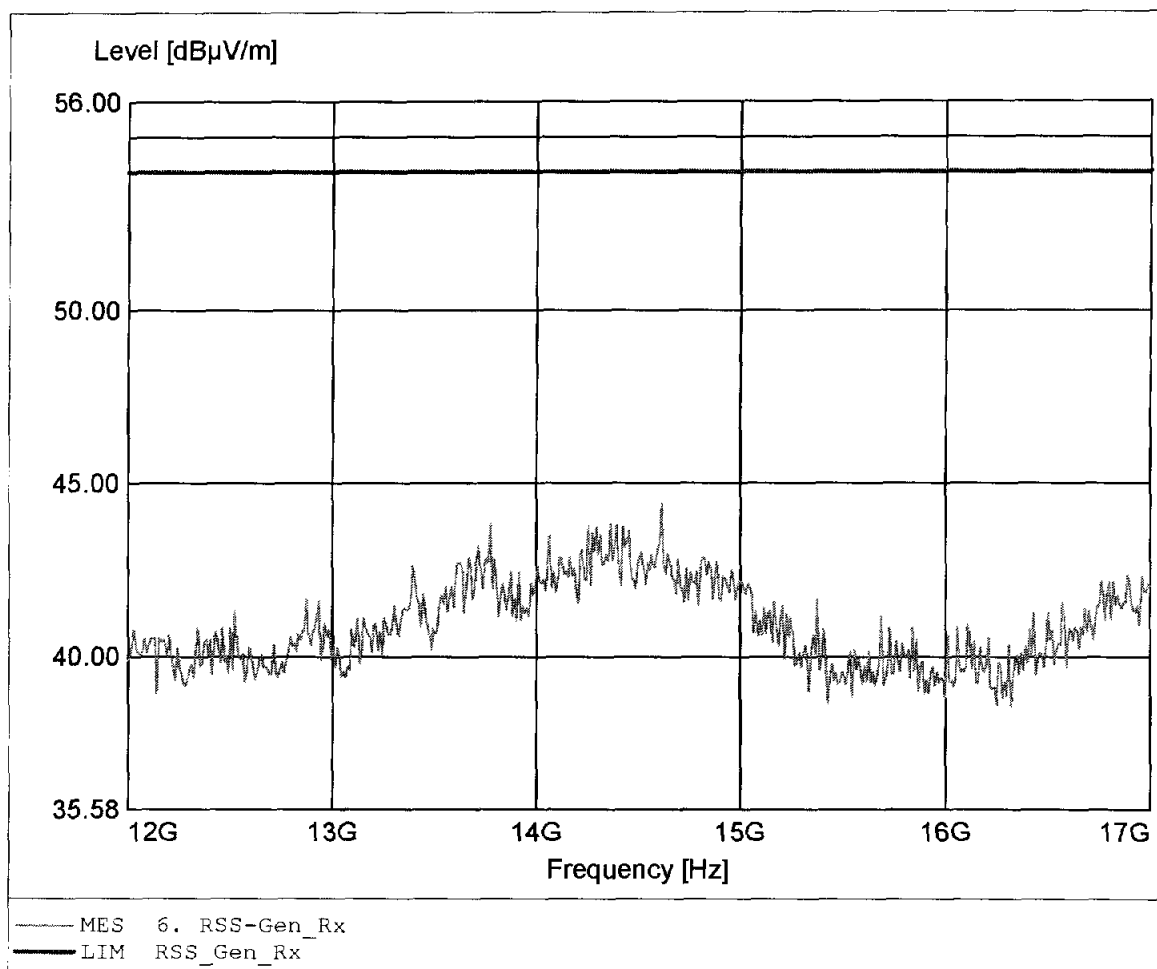
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:11.190GHz Emax:41.64dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

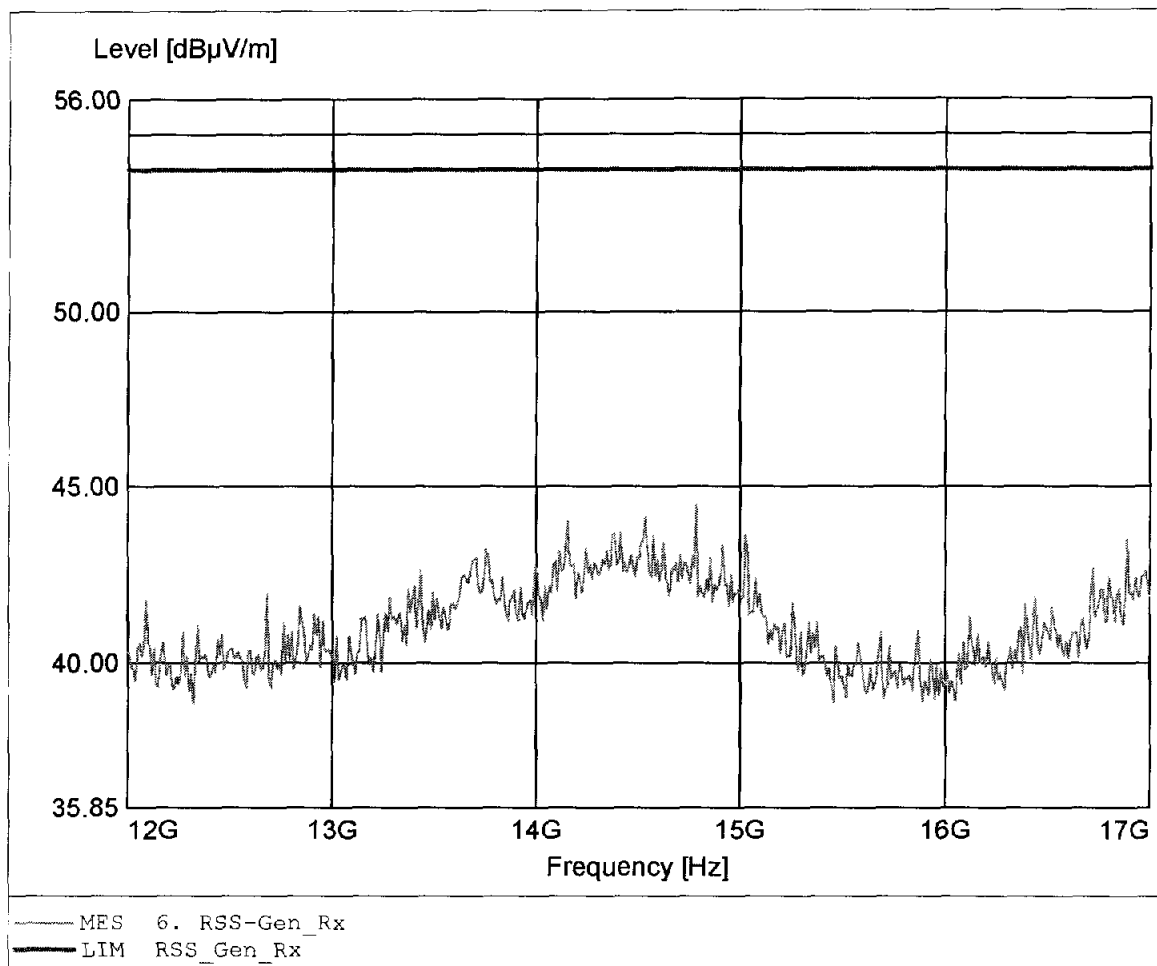
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:14.615GHz Emax:44.40dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

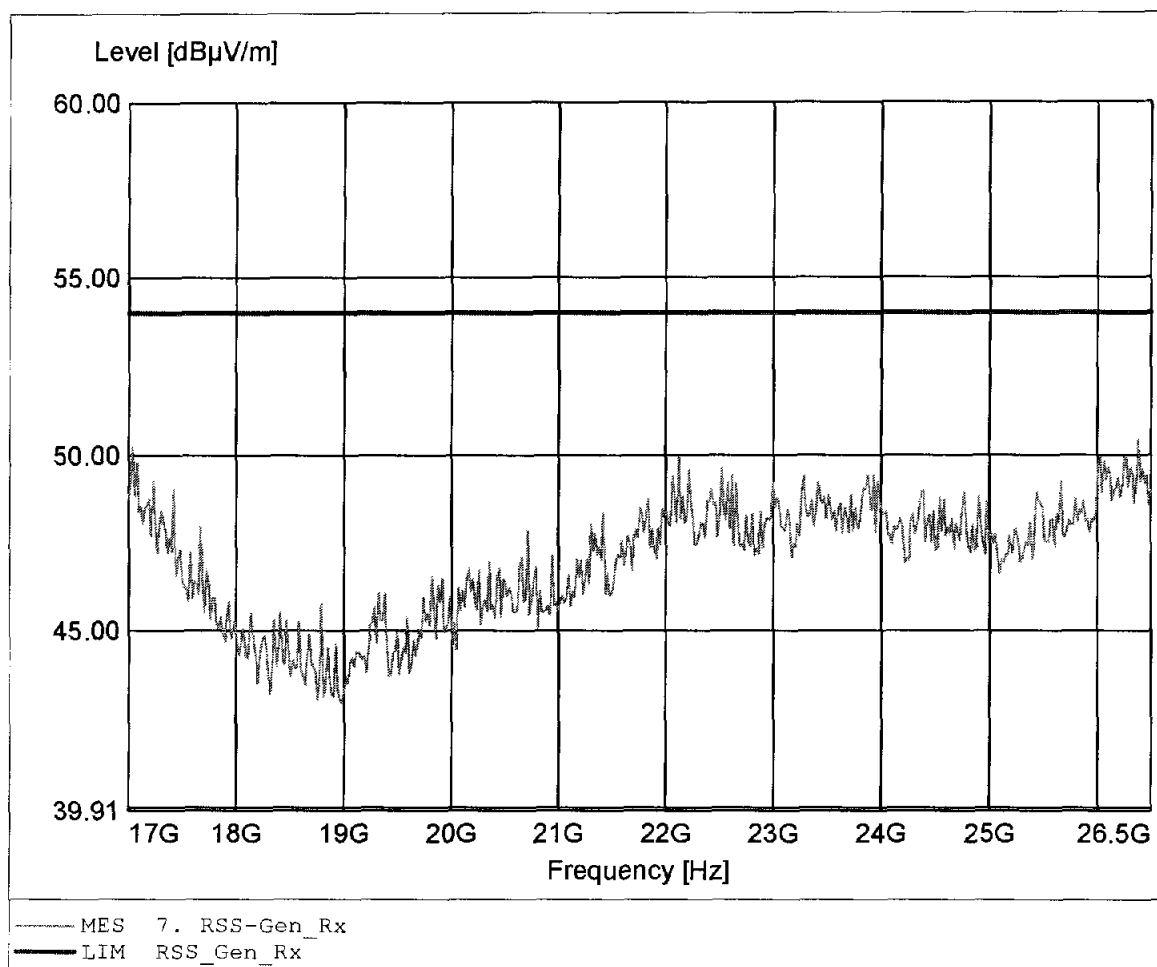
Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: BBHA9120D, ampl.  
Comment 2: Freq:14.786GHz Emax:44.45dB $\mu$ V/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.  
Comment 2: Freq: 26.386GHz Emax: 50.43dBμV/m RBW: 1 MHz



# Field Strength under normal conditions

## Standards Industry Canada, RSS-GEN

Approval Holder: QUAIL LTD  
EUT: QUAIL DIGITAL  
Model: QD-BP6 (Portable Part)  
Test Site / Operator: ETS / Mr. Schlaps  
Temperature/ Voltage: 25°C / Unom: 3.60 V DC  
Test Specification: according to S15109, peak detector  
Comment 1: Dist.: 3m, Ant.: HL025, ampl.  
Comment 2: Freq: 26.272GHz Emax: 51.10dBµV/m RBW: 1 MHz

