

# Request for Investigation of Interference to Radiocommunications (apparatus licence)



## Instructions

- Before seeking assistance from ACMA, ensure that your system is operating according to the licence conditions, the interference is intolerable and not within your control.
- As ACMA assesses your request based on the information on this form, please make every effort to complete all appropriate fields.
- Provision of a spectrum plot or an audio file of the interference will assist the investigation.

### Where to send this form

- Fax: (02) 6219 5346
- Email: [interference@acma.gov.au](mailto:interference@acma.gov.au)

## Request details

### Name

Peter Smith	
Position (tick appropriate)	
<input type="checkbox"/>	Licensee
<input checked="" type="checkbox"/>	Service agent

### Contact details

Phone	07- 3200 xxxx, 0450 xxx xxx
Fax	07- 3200 xxxx
Email	peters@email.com.au

### ACMA client number (if applicable)

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### Service Agent's details (if requester is the licensee)

Name
Company
Phone
Email

### Residential or Business address (including business name)

Radio Pty Ltd	
333 Station Street	
Brisbane	POSTCODE 4000

## Affected radiocommunications service details

### Apparatus Licence details

Licence number	140 xxxx
Spectrum Access number	141xxxx
Frequency	453.525 MHz
Location	121 Radio St Brisbane

### Service details in normal operating conditions

Measured signal level	-110 dBm at the receiver input
Type of modulation	FM
Bandwidth	10 kHz
Antenna polarisation	vertical
Tone frequency (if used)	CTCSS not in use
Squelch setting	- 115 dBm

### Use of this service (tick most appropriate)

*Safety of life	<input type="checkbox"/>	Government services	<input type="checkbox"/>
Aeronautical	<input type="checkbox"/>	Marine	<input type="checkbox"/>
Amateur	<input type="checkbox"/>	Recreational	<input type="checkbox"/>
Business/Commercial	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>

\* Radiocommunications used by relevant organisations primarily dealing with safety of life and protection of life and/or property.

### Brief description of your antenna system (type/gain/filters etc)

6 dB binary array antenna with 4 MHz band pass preselector and 8- way 6dB distribution amplifier
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**Interference details****Nature of interference**

Date first noticed	12-01-2009
Duration	Continues when started
Repetition	
Location	121 Radio Street Brisbane
Peak period	1 pm to 4 pm

**Measured or observed parameters of interference**

Measured level	-108 to -103 dBm
Polarisation	Vertical
Bandwidth	
Frequency	453.5 MHz
Other	

**Brief description of recovered audio if interference is audible**

Hear data

**Brief description of method that was used to measure or observe the interference**

Monitoring of receive frequency on base receiver and measuring at the distribution amplifier output port.
Observed direction and polarisation of the interference with using 6 element yagi antenna and band pass filter.

**Suspected (or identified) interference source**

Interference signal may be a spurious product of 463.0 MHz

**Other relevant information**


**Inclusions**

Please tick appropriate

Spectrum plot	<input checked="" type="checkbox"/>	Audio file	<input checked="" type="checkbox"/>	Other (e.g. logs)	<input type="checkbox"/>
Specify other					

**Date**

Date 15-01-2009	
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