



Programme

About JFMG Ltd

About PMSE sector

The case for PMSE

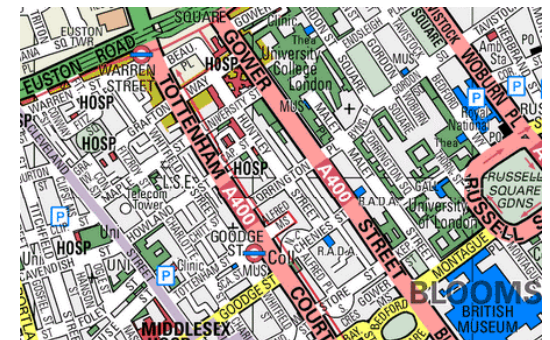
PMSE requirements

About JFMG Ltd

- Spectrum Management Organisation
- “White-space” manager
- Contracted by Ofcom to coordinate spectrum, issue licences and collect WT Act fees
- Specialists in supporting programme makers and the entertainment sector since 1997
- A privately owned company
- ISO9001:2000 accreditation

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About PMSE Sector

About PMSE sector

Wireless mobility in content creation and entertainment

- Wire-free production but with ‘wired’ quality
- High-quality spectrum required (no interference)

Typical UHF wireless audio equipment





About PMSE sector

Main activities

- Broadcast television studio production
- Outside broadcasts and news reporting for television and radio
- Theatre and touring shows
- Live music and entertainment productions
- Movie productions
- Conferences and corporate events
- Public address systems at events



The case for PMSE

The case for PMSE

Current PMSE use of DDR spectrum

21	22	23	24	25	26	27	28	29	30	31	32
470-478	478-486	486-494	494-502	502-510	510-518	518-526	526-534	534-542	542-550	550-558	558-566

33	34	35	36	37	38	39	40	41	42	43	44
566-574	574-582	582-590	590-598	598-606	606-614	614-622	622-630	630-638	638-646	646-654	654-662

45	46	47	48	49	50	51	52	53	54	55	56
662-670	670-678	678-686	686-694	694-702	702-710	710-718	718-726	726-734	734-742	742-750	750-758

57	58	59	60	61	62	63	64	65	66	67	68
758-766	766-774	744-782	782-790	790-798	798-806	806-814	814-822	822-830	830-838	838-846	846-854

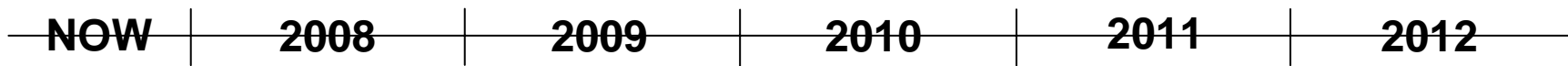
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The case for PMSE Industry's anxiety

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Outside London:





The case for PMSE

Fragmented user base

In 2006:

- There were 600 licensed users of Analogue Interleaved Spectrum
- There were 32,000 frequency assignments
- Top 20 users account for 50% of use
- Top 20 users include:
Sound hire; outside broadcast facilities.
- Top 100 users account for 80% of use

The case for PMSE

Current Demand

Example 1: West End and Touring Theatre or Rock/Pop Arena Tour

	Quantity	Spectrum
Microphones/monitors	74	6 x 8 MHz

Example 2: Television production studios

Network Centre	Quantity	Spectrum
Microphones/monitors	184	9 x 8 MHz
Talkback	82	4 x 4 MHz

The case for PMSE

Key factors

- No alternative technology available
- No alternative spectrum
- Long established use
- Essential to support creative industries
- Personal monitors enable reduced on-stage sound levels to meet Health & Safety legislation
- Vital to maintain UK as a leading content creator and host for: programmes; events; theatre; motion pictures.



PMSE requirements

PMSE requirements

Access to Digital Interleaved Spectrum

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- Priority to most interleaved spectrum to 2012 and beyond
- Coordinated to protect TV reception and maintain high-quality essential to PMSE
- Affordable for fragmented user base

PMSE requirements

Access to Cleared Spectrum

21	22	23	24	25	26	27	28	29	30	31	32
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- Priority to all Cleared Spectrum in London to 2012
- Priority to part of Cleared Spectrum outside London until 2012
- Coordinated to protect TV reception and maintain high-quality essential to PMSE

PMSE requirements

Access to Other Spectrum

21	22	23	24	25	26	27	28	29	30	31	32
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- Provision for migration out of Ch36 in fair timescale
- Continued access to Ch38 coordinated with radio astronomy
- Continued access to Ch69 for fragmented professional user group



Thank you

