



CELTIC-NEXT Proposers Day

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Pitch of the Project Proposal

mmWave Technology for FWA



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- mmWave 5G FWA WPON ready for Trial Networks
 - Fibre-equivalent service Already in trials

Scenario/ Capex per Installed Premises (£)	Bandwidth	G1 - Mainly Rural	G2 - Largely Rural	G3 - Urban with Significant Rural	G4 - Urban with City and Town	G5 - Urban with Minor Conurbation	G6 - Urban with Major Conurbation
1. FTTH/P Full	>1Gbs	£1,647	£1,252	£1,303	£1,026	£963	£874
2. FTTH/P	>1Gbs	£1,137	£997	£918	£811	£730	£715
3. Fibre + 5G	500Mbs	£1,137	£997	£918	£455	£457	£438
4. FTTP + FWA	1Gbs-100Mbs	£913	£812	£814	£806	£730	£715
5. G.Fast	300Mbs	£323	£306	£303	£151	£150	£147
5. DOCSIS	300Mbs	NA	NA	NA	£144	£145	£143
5. Rural FWA	300Mbs	£353	£345	£307	£364	NA	NA
FibreWISP (Dense)	>1Gbs	-	-	-	£195	£181	£166
FibreWISP (Max)	>2Gbs	£446	£350	£270	£206	£190	£174



Blu Wireless Technology Ltd

- Gigabit mmWave technology for
 - **mmWave modem SoC for Wi-Fi .11ad/ay**
 - 5G Fixed Wireless Access (FWA) and Backhaul
 - High speed Transport Applications
- Growing customer base of Tier1 semiconductor & OEM companies and operators
- Strategic 5G partnership with ARM Ltd
- Participant in EU H2020 5G-Xhaul & Picture projects
- Members of Wi-Fi Alliance WiGig, ETSI mWT ISG groups, UK 5G IC and Telecom Infrastructure Project (TIP)

Proposal Introduction (1)



- Wide area Urban Trial Network
 - mmWave Gbit Broadband to homes
 - WiFi hotspot illumination for street
- NPU MEC based platform
 - Development platform
 - Link and network automation software for planning and installation

Partners



- Fibre ISPs
 - Who wish to lower fibre roll out costs in Urban
- Wireless ISPs
 - Who wish to move into Urban Broadband business
- Mesh Network Software developers
 - 5G SDN based approach
- Blu Wireless providing technology
 - Maturing platform

Contact Info



For more information and for interest to participate please contact:

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