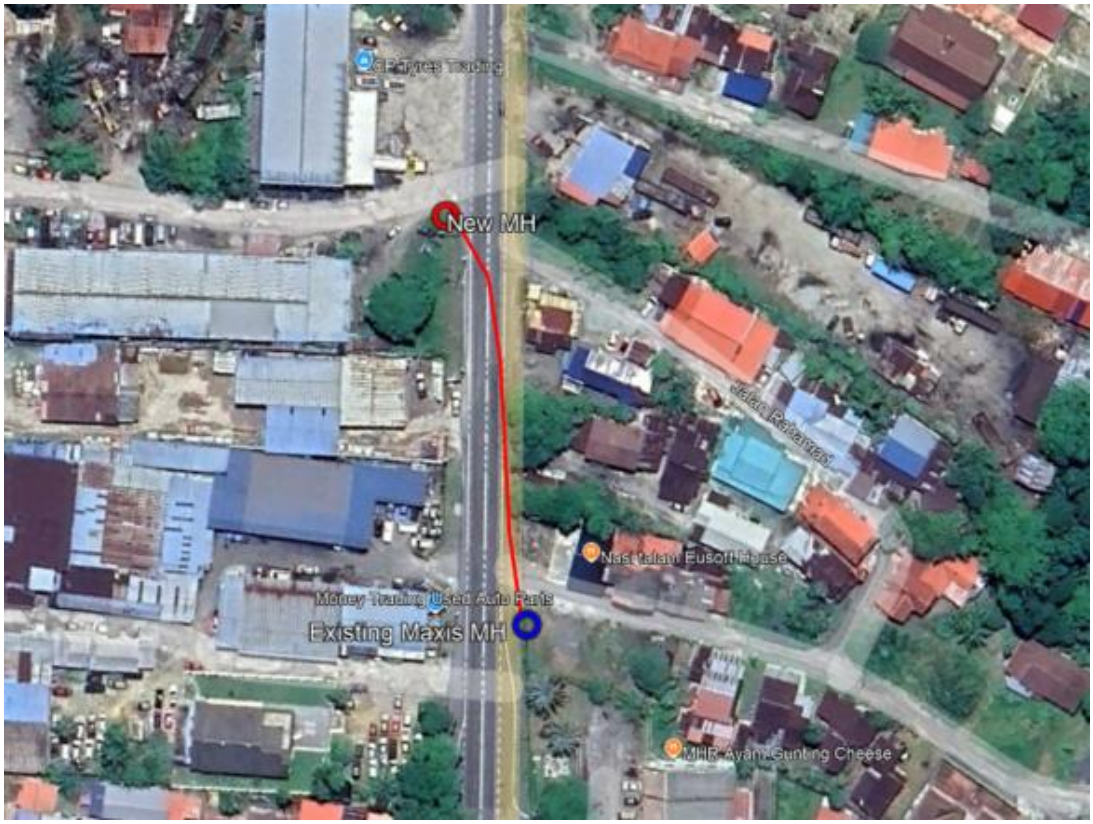
Maxis UMobile 5G Project – Technical Proposal

Company Name	:	MAXIS BROADBAND SDN. BHD.
Company Address	:	LEVEL 6, MENARA MAXIS KUALA LUMPUR CITY CENTRE
Date	:	28/11/2025



Project & Site Name	:	UM SPGT
Taman ID	:	-
Address	:	Tower Celcom Simpang Taiping,34700 Simpang Perak
District	:	Taiping, Perak
Postcode & State	:	34700
GPS Coordinate	:	4.820448 100.702586

UG Build (m)	90	UG Cable (m)	-
Aerial Build (m)	-	Aerial Cable (m)	-
Total Civil Build (m)	90	Coil at FDP (m)	-
		Total Cable (m)	-

Table of Contents

1. OSP / ISP Summary & Details (OSP 2)

1.1. Propose Route Details & Site Map

LRD Point A	SPGT	**LRD Point B**	-
Address	Tower Celcom Simpang Taiping,34700 Simpang Perak	**Address**	-
GPS Coordinates	4.820448 100.702586	**GPS Coordinates**	-
New Civil Build (M)	90	**Existing Civil Build (M)**	-
New Build Cable (M)	-	**Existing Cable (M)**	-

Local Council & Authority approval Requirement	:	**MAJLIS PERBANDARAN TAIPING (MPT): 90M**

1.2. OSP & ISP BOQ

Overall Proposed OSP Civil Infrastructure Design Distance		Unit	Quantity
1	Horizontal Directional Drilling with 1-way duct	M	90
2	Horizontal Directional Drilling with 2-way duct	M	-
3	Open trench on grass verge (GV) with 1-way duct	M	-
4	Open trench on grass verge (GV) with 2-way duct	M	-
5	Open trench on carriage way (CW) with 1-way duct	M	-
6	Open trench on carriage way (CW) with 2-way duct	M	-
7	Micro trenching 2-way (2-way x 25 mm GI Pipe)	M	-
8	Flexible Pipe	M	-
9	UPVC Pipe	M	-

Overall Propose Manhole / Handhole		Unit	Quantity
1	Manhole JB30	Ea	1
2	Manhole JB30 Modified	Ea	-
3	Manhole JRC7	Ea	-
4	PIT/Cheezy PIT	Ea	-

Overall Propose Pole / Overhead		Unit	Quantity
1	7.5 m Pole – Concrete/Iron	Ea	-
2	9 m Pole – Concrete/Iron	Ea	-
3	G.I Riser	Ea	-

Overall Cable Infrastructure Design Distance		Unit	Quantity
1	1 Core Optical Fiber Cable	M	-
2	48 Core Optical Fiber Cable UG/IB/ID	M	-
3	96 Core Optical Fiber Cable UG/IB	M	-
4	144 Core Optical Fiber Cable UG/IB/ID	M	-

Overall Optic Splice Design		Unit	Quantity
1	Total Joint Closure	Ea	-

1.3. **Civil Work's Detail (Manhole & Pole)**

Overall Existing Manhole & Pole		**GPS Coordinate**		**Distance**
No.	Manhole & Pole ID	**Latitude**	**Longitude**	**Meter**
1	EXISTING MAXIS MH	4.818423	100.702783	90
2				
3				

Overall Propose Manhole & Pole		**GPS Coordinate**		**Distance**
No.	**Manhole & Pole ID**	**Latitude**	**Longitude**	**Meter**
1	PROP NEW MH01	4.818426	100.702790	-
2				
3				
4				
5				
6				

1.4. **OSP/ISP Photo Illustration.**

PICTURE 1 : UNNAMED ROAD

Picture 2 – UNNAMED ROAD

Picture 3 – UNNAMED ROAD

Picture 4 – UNNAMED ROAD

2. Link Attenuation Calculation Reference

S = Total splice count in a single link

L = Total length of cable in a single link

C = Total connector count in a single link.

A) FIBER LOSS FOR 1310 nm WAVELENGTH

TOTAL LOSS = 0.15 (S) + 0.35 (L) + (C)

B) FIBER LOSS FOR 1550 nm WAVELENGTH

TOTAL LOSS = 0.10 (S) + 0.25 (L) + 0.5 (C)

MAXIMUM END TO END VALUE FOR 1310 nm = ** dBm**

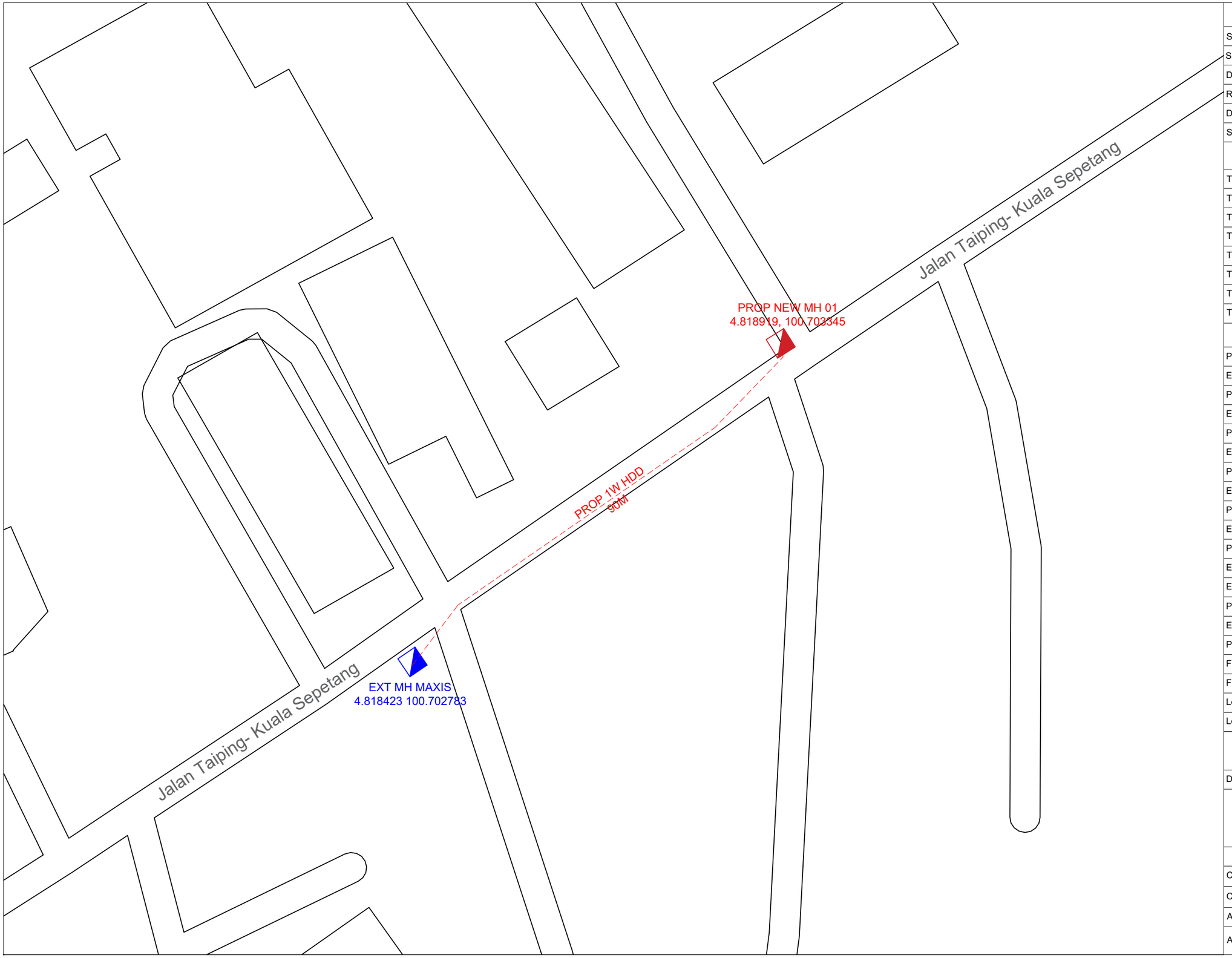
MAXIMUM END TO END VALUE FOR 1550 nm = ** dBm**

3. Appendices

3.1. OSP Civil Design

3.2. OSP SLD Design

3.3. Costing BOQ



SITE PLAN UM SPGT

Site Name	UM SPGT
Site Address	Tower Celcom Simpang Taiping,34700 Simpang Perak
DWG ID.	VNS/UM/SPGT
Revision No.	-
Date	28.11.2025
Sheet	-

Summary Note	
Total HP/PP	-
Total FDC	-
Total FDP	-
Total Propose Joint	-
Total Propose MH	-
Total Propose Pit	-
Total Prop UG Distance (m)	-
Total Prop OH Distance (m)	-

Legends	
Propose FDC / FDF	
Existing FDC / FDF	
Propose FDP	FDP
Existing FDP	FDP
Propose Manhole	
Existing Manhole	
Propose Pit / Handhole	
Existing Pit / Handhole	
Propose G.i / Duct Riser	
Existing G.i / Duct Riser	
Propose Pole	P
Existing Pole	P
Existing UG Duct Way	
Propose UG Trenching	
Existing Aerial Cable	
Propose Aerial Cable	
FDC Boundary	
FDP Boundary	
Local Council Boundary (JKR)	
Local Council Boundary (Majlis)	

Design By	**VERDENETWORKS SOLUTION**

maxis

Maxis Broadband Sdn. Bhd.

Checked By	
Checked Date	
Approved / Rejected By	
Approved / Rejected Date	

Acceptance and Authorization

IN WITNESS WHEREOF, the parties hereto each acting with proper authority have executed this Technical Proposal under seal.

By signing below, both Parties agree to the terms of this Technical Proposal document.

UMobile Sdn Bhd	**Maxis Broadband Sdn Bhd**
Signature: **Full Name:** **Position:** **Date:**	**Signature:** **Full Name:** **Position: Network Project Manager** **Date:**
Signature: **Full Name:** **Position:** **Date:**	**Signature:** **Full Name: Shanker Ganesh A/L Manogran** **Position: Enterprise Project Manager** **Date:**