



Wifi performance for OBDV8 CATM1 US WBT SIM ReneSas M10

Device information:

product name:	OBDV8 CATM1 US WBT SIM ReneSas M10
model name:	C4D-4MUSAC_V8
ASB tested samples	ASB02164

Electrical Specifications:

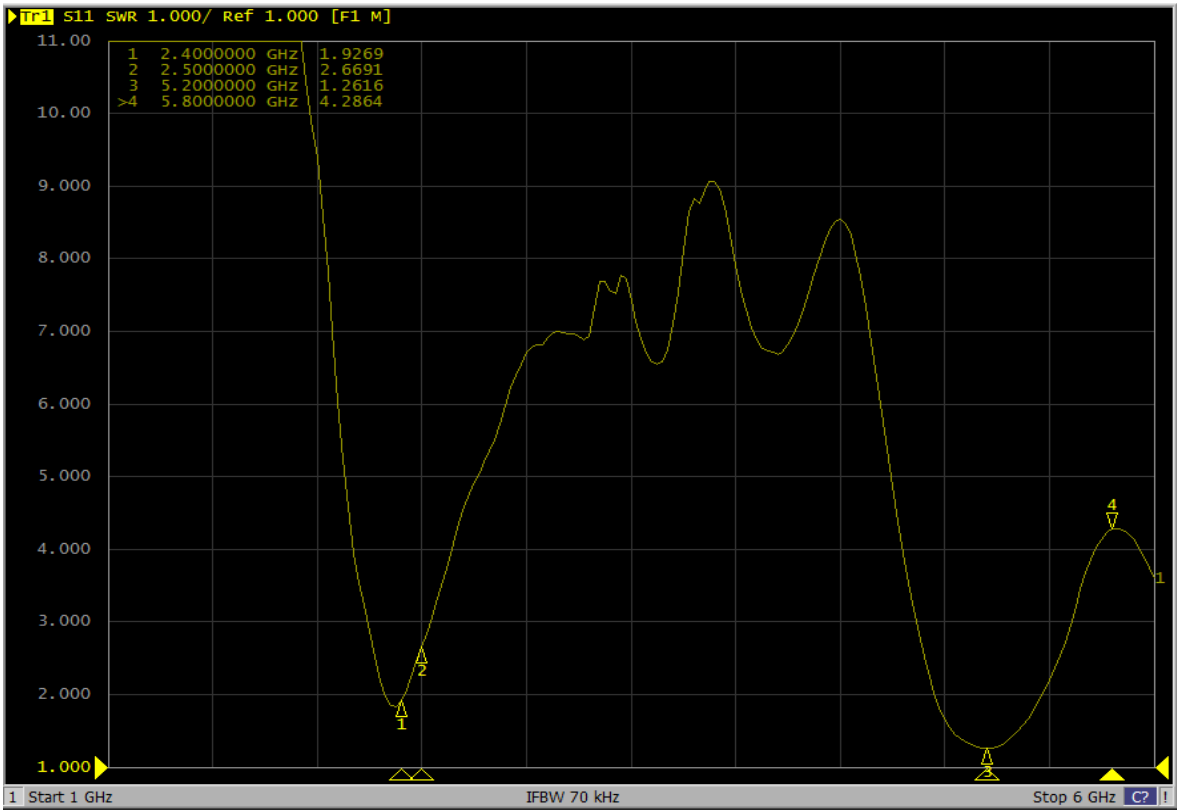
Frequency Band	2400-2500MHz	The Antenna Material	Steel sheet
Nominal Impedance	50 Ω	Antenna Connection Mode	Touch
VSWR	≤4.0	Working Temperature	-40℃~+85℃
Peak Gain	2400-2500MHz: 0.17dBi	Keep The Temperature	+19℃~+23℃
		Polarization	Linear Polarization

Test Conditions And Methods:

Test Instruments	Test Method	Test Result	Test Data
7*4*3 microwave darkroom E5071B network analyzer 48 probe test system MT8862 comprehensive tester	1. Assemble the antenna to be tested on the prototype. 2. Put the prototype on the test fixture in a dark room, and conduct comprehensive test with it. Instrument/analyzer connection is established. 3 Test antenna passive data with test software.	Refer to the Test Report	August 25th., 2024

Passive performance test parameters

Frequency (GHz)	2.4	2.5
VSWR	1.93	2.67



Antenna passive data:

Freq (MHz)	Effi (%)	Gain (dBi)
2400	43.98	-0.26
2410	46.89	0.05
2420	45.35	0.09
2430	47.04	-0.01
2440	46.5	0.08
2450	42.82	0.17
2460	39.45	-0.1
2470	36.6	0.1
2480	37.85	0.04
2490	36.96	-0.06
2500	33.56	-0.36

Directional diagram

2400/2450/2500MHz

