

Repeater Products

C O S C O M CO., LTD.



◆ Frequency Conversion Repeater

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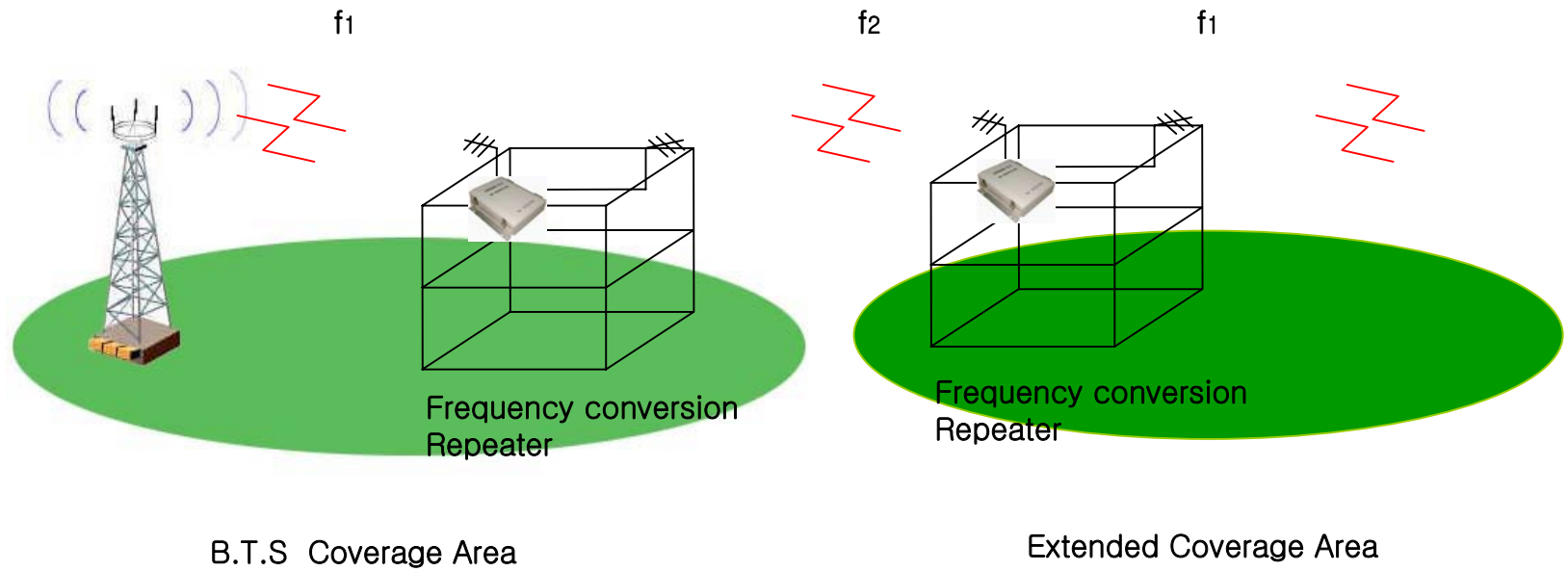
Frequency Conversion Repeater



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- Long Distance Transmission
- High Isolation
- Low Noise Figure
- Superior Performance
- Low Power Consumption

System Composition



f_1 : Serviced Frequency

f_2 : Temporary Frequency

Electrical Specification

Parameters	Standards		Remark
Frequency	Operating Frequency, Converting Frequency		CELLUAR, GSM, DCS, PCS, WCDMA
Bandwith	Customize Acceptable		
GAIN	80 dB		
GAIN FLATNESS	±1.5dB		
V.S.W.R.	1.5 : 1		
Input Power Range	-104 ~ -40 dBm		
Max. Output Power	33dBm(2W)		@Total Output Power
IMD	CDMA: < -15 dBm, GSM: < -36 dBm, DCS: < -30 dBm		@Max Output Power
Spurious	CDMA	< -45dBc/30KHz @ fc ± 750KHz < -60dBc/30KHz @ fc ± 1.98MHz	
	GSM	Meet ETSI Standard	
Noise Figure	CDMA : < 5dB GSM : < 6dB		

Electrical Specification

Parameters	Standard	Remark
Impedance	50Ω	
Group Delay	5μs	
Power Supply	AC : 110~220V, 50~60Hz	Operating Voltage @DC Adaptor(2.0A Max)

Control Options Specification

Parameters	Standard	Remark
AGC, ALC RANGE	30dB	
Gain Control Type	30 Step ATT./1dB Step	
Step Attenuation	PLL (UNLOCK), LNA, HPA AC/DC, DOOR OPEN / CLOSE	
NMS	Available	

Physical Specification

In/Out Connector	N Type Female	
Weight	≤ 15	kg
Dimension (W×H×D)	345 × 380 × 125	mm

Environmental Specification

Operating Temperature	-30 ~ +60	°C
Relative Humidity	95	%
Enclosure Protection	Full Protection Against Dust Insertion	

The enclosure shall have no damage or degradation and the electrical specifications shall be maintained under above conditions.

Customer design and specifications are available.