COMMSCOPE®

Node G FS frequency-shifting RF enhancers

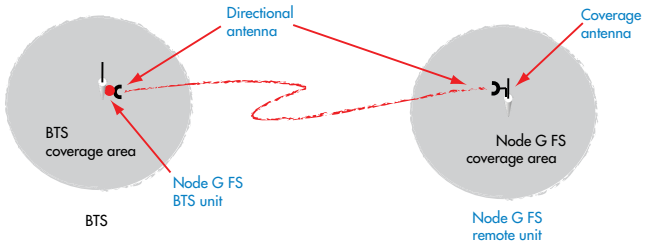
Node G 935/938/941 FS and Node G 1835/1838/1841 FS enable frequency shifting technologies over the entire GSM band

Node G FS—The ideal complement to the standard Node G

GSM frequency shifting's (G FS) primary function in the past was to ensure high output power at sites where the repeater's gain was limited by the isolation between the donor and the coverage antenna.

This has changed dramatically with the implementation of Node G and its outstanding interference cancellation equipment (ICE). However, frequency shifting still makes sense when omni coverage antennas are required and when a BTS sector needs to be made remote. To support these kinds of applications, the Node G FS is the ideal complement to the standard Node G.

Frequency range	Gain, dB	Bandwidth	Gain adjust range, dB	UL noise figure, dB	UL Pout 2 carriers, dBm/c	UL Pout 4 carriers, dBm/c	DL Pout 2 carriers, dBm/c	DL Pout 4 carriers, dBm/c	Repeater
GSM900	55	2 to 4 200 kHz channels	35 to 55	5.0	1.0	1.0	35.0	31.5	Node G935 FS-BTS
GSM900	95	2 to 4 200 kHz channels	55 to 95	5.0	31.0	31.0	35.0	35.0	Node G935 FS-RU
GSM900	98	2 to 4 200 kHz channels	58 to 98	5.0	31.0	31.0	38.0	38.0	Node G938 FS-RU
GSM900	101	2 200 kHz channels	61 to 101	5.0	31.0	–	41.0	–	Node G941 FS-RU
GSM1800	55	2 to 4 200 kHz channels	35 to 55	5.0	1.0	1.0	35.0	31.5	Node G1835 FS-BTS
GSM1800	95	2 to 4 200 kHz channels	55 to 95	5.0	31.0	31.0	35.0	35.0	Node G1835 FS-RU
GSM1800	98	2 to 4 200 kHz channels	58 to 98	5.0	31.0	31.0	38.0	38.0	Node G1838 FS-RU
GSM1800	101	2 200 kHz channels	61 to 101	5.0	31.0	–	41.0	–	Node G1841 FS-RU



Node G FS application

Everyone communicates. It's the essence of the human experience. *How* we communicate is evolving. Technology is reshaping the way we live, learn and thrive. The epicenter of this transformation is the network—our passion.Our experts are rethinking the purpose, role and usage of networks to help our customers increase bandwidth,expand capacity, enhance efficiency, speed deployment and simplify migration. From remote cell sites to massive sports arenas, from busy airports to state-of-the-art data centers—we provide the essential expertise and vital infrastructure your business needs to succeed. The world's most advanced networks rely on CommScope connectivity.

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