

BRF MMIC Innovator

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[Classification] Application Note

[Date] 2013.03

[Revision No.] Rev.A

[Measuring Instruments]

- NA_Agilent 8753ES

- SA_Agilent E4404B

- SG_Agilent 4438C

- SG_IFR 3416

Wide Band Medium Power Amp BT09VG

Application Note



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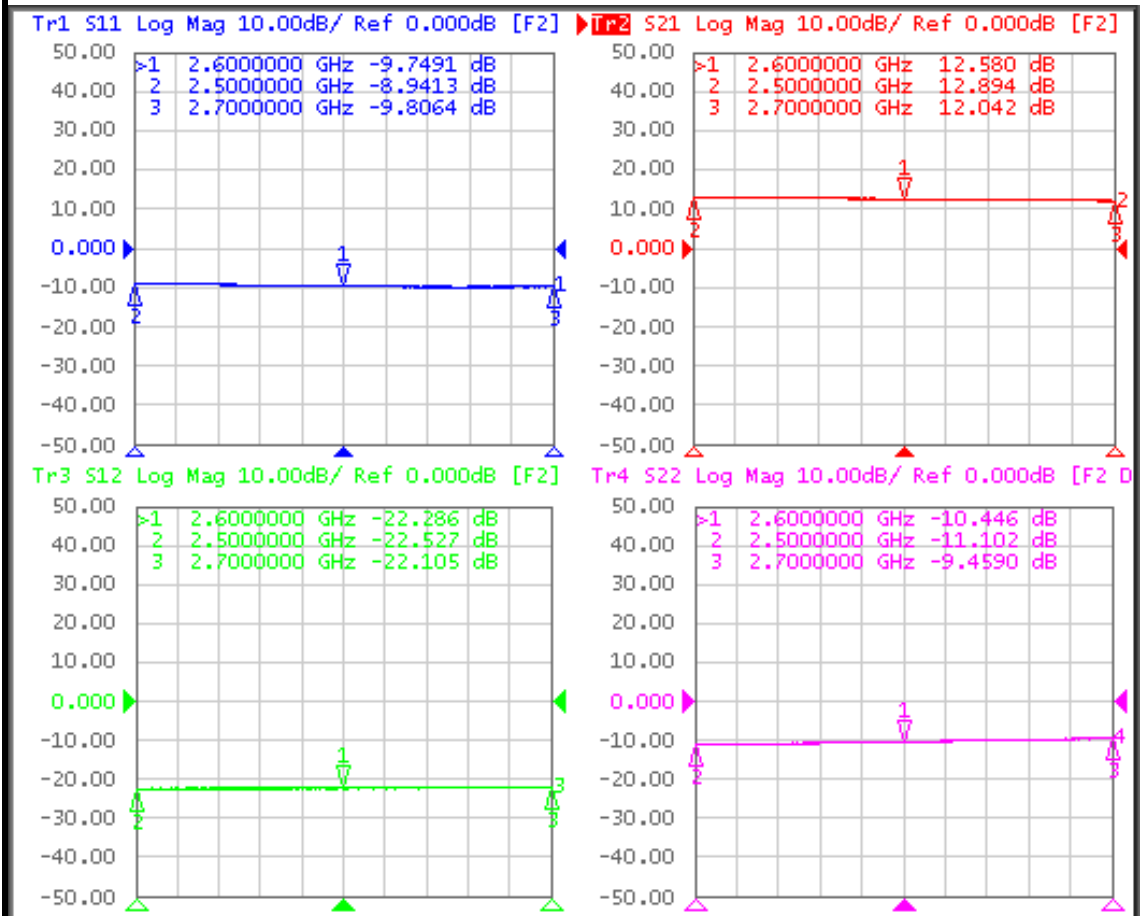
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1.1 BT09VG_2600MHz Test Result

SN	Freq [MHz]	Vcc [V]	Icc [mA]	Gain [dB]	OIP3 [dBm] ⁽¹⁾	P1dB [dBm]	IRL [dB]	ORL [dB]	NF [dB]
-	2600	5	162	12.5	41	26	-9.7	-10.4	4.8

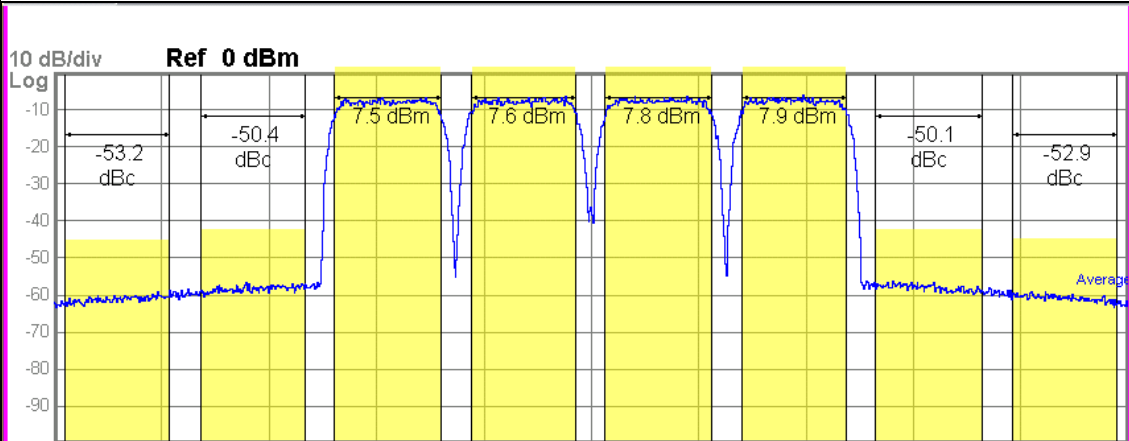
(1) OIP3_tested @Pout=13dBm/tone 1MHz offset



1-1. WCDMA 4FA_ ACLR Test Result

Out Power : 13.73 dBm

WCDMA 4FA : 2600 -50dBc



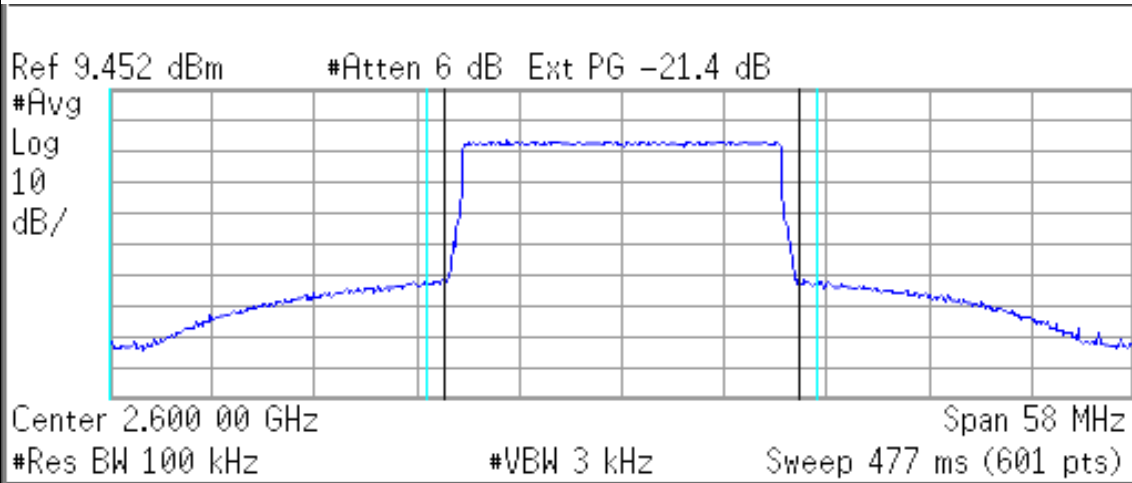
Center 2.6 GHz #Res BW 100 kHz #VBW 300 kHz Span 39.68 MHz #Sweep 29 ms

Carrier Power		Filter	Offset Freq	Integ BW	Lower		Upper		Filter
					dBc	dBm	dBc	dBm	
1	7.499 dBm / 3.840 MHz	ON	5.000 MHz	3.840 MHz	-50.43	-42.64	-50.15	-42.36	ON
2	7.645 dBm / 3.840 MHz	OFF	10.00 MHz	3.840 MHz	-53.24	-45.44	-52.90	-45.10	ON
3	7.792 dBm / 3.840 MHz	OFF							
4	7.896 dBm / 3.840 MHz	OFF							

1-2. LTE_20MHz_ACLR Test Result

Out Power : 14.28 dBm

LTE_FDD_20MHz_TM 3p1_100 : 2600 -50dBc



RMS Results	Freq Offset	Ref BW	dBc	Lower dBm	dBc	Upper dBm
Carrier Power	20.00 MHz	18.00 MHz	-50.29	-36.01	-50.27	-35.99
14.28 dBm /						
20.0000 MHz						