

[Application Note]

- PART Name : BLB02
- TEST FREQUENCY : 1.7~2.1GHz
- Main Application Goal : Mask
- Measuring Equipment List

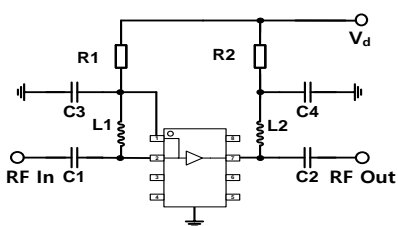
Network Analyzer : 8753ES , Signal : E4438C & IFR3416, Spectrum Analyzer : E4440A

▪Test Result :

Frequency	GHz	1.7	1.8	1.9	2.0	2.1	Mark
LTE20M_ACLR_0dBm	dB	-60.4	-59.9	-60.2	-60.1	-59.9	64mA_RF ON
LTE20M_ACLR_1dBm	dB	-60.9	-60.9	-60.4	-60.3	-60.1	64mA_RF ON
LTE20M_ACLR_2dBm	dB	-61.0	-60.8	-60.4	-60.2	-59.9	64mA_RF ON
LTE20M_ACLR_3dBm	dBm	-60.7	-60.7	-59.4	-59.3	-58.8	64mA_RF ON
LTE20M_ACLR_4dBm	dBm	-59.2	-59.2	-57.7	-57.6	-56.8	64mA_RF ON
Current	mA	61					Vcc = 5V

Frequency	GHz	1.7	1.8	1.9	2.0	2.1	Mark
LTE20M_ACLR_0dBm	dB	-59.3	-59.0	-58.7	-58.6	-58.4	36mA_RF ON
LTE20M_ACLR_1dBm	dB	-58.9	-58.6	-58.1	-57.9	-57.9	36mA_RF ON
LTE20M_ACLR_2dBm	dB	-57.8	-57.7	-57.1	-56.8	-56.6	36mA_RF ON
LTE20M_ACLR_3dBm	dBm	-56.3	-56.0	-55.3	-55.0	-54.6	36mA_RF ON
LTE20M_ACLR_4dBm	dBm	-54.0	-53.7	-53.0	-52.7	-52.1	36mA_RF ON
Current	mA	34					Vcc = 3V

Appendix: TEST items available to change depending on the situation.

*Application Circuit_1.7~2.1GHz																																								
Schematic Diagram	BOM	5V	3V	Marks																																				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>C1</td><td>100pF</td><td>100pF</td><td>0603</td></tr> <tr><td>C2</td><td>100pF</td><td>100pF</td><td>0603</td></tr> <tr><td>C3</td><td>12pF</td><td>12pF</td><td>0603</td></tr> <tr><td>C4</td><td>100pF</td><td>100pF</td><td>0603</td></tr> <tr><td>L1</td><td>15nH</td><td>15nH</td><td>0603</td></tr> <tr><td>L2</td><td>39nH</td><td>39nH</td><td>0603</td></tr> <tr><td>R1</td><td>6.8kohm</td><td>5.1kohm</td><td>0603</td></tr> <tr><td>R2</td><td>3ohm</td><td>3ohm</td><td>0603</td></tr> <tr><td>U1</td><td>BLB02</td><td>BLB02</td><td>DFN2x2</td></tr> </table>	C1	100pF	100pF	0603	C2	100pF	100pF	0603	C3	12pF	12pF	0603	C4	100pF	100pF	0603	L1	15nH	15nH	0603	L2	39nH	39nH	0603	R1	6.8kohm	5.1kohm	0603	R2	3ohm	3ohm	0603	U1	BLB02	BLB02	DFN2x2			
C1	100pF	100pF	0603																																					
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E/B Configuration				Marks																																				
