

Typical Performance Data

FREQ. (MHz)	VSWR (:1)		
	0°C	+25°C	+50°C
1.00	1.04	1.04	1.04
10.00	1.04	1.04	1.04
20.00	1.04	1.04	1.04
50.00	1.04	1.04	1.04
100.00	1.04	1.04	1.04
200.00	1.04	1.04	1.04
300.00	1.04	1.05	1.04
400.00	1.05	1.05	1.05
500.00	1.06	1.06	1.06
600.00	1.07	1.06	1.06
700.00	1.08	1.07	1.06
800.00	1.08	1.08	1.07
900.00	1.09	1.08	1.07
1000.00	1.09	1.09	1.08
1200.00	1.11	1.10	1.09
1400.00	1.11	1.11	1.09
1600.00	1.11	1.11	1.10
1800.00	1.11	1.11	1.11
2000.00	1.10	1.10	1.11
2200.00	1.09	1.10	1.11
2400.00	1.10	1.09	1.11
2600.00	1.11	1.10	1.11
2800.00	1.11	1.10	1.12
3000.00	1.12	1.12	1.13
3250.00	1.13	1.13	1.13
3500.00	1.13	1.14	1.14
3750.00	1.13	1.15	1.14
4000.00	1.13	1.14	1.13
4250.00	1.15	1.14	1.13
4500.00	1.16	1.14	1.13
4750.00	1.15	1.14	1.13
5000.00	1.15	1.14	1.13
5250.00	1.15	1.14	1.12
5500.00	1.15	1.15	1.12
5750.00	1.16	1.16	1.11
6000.00	1.18	1.17	1.11
6250.00	1.18	1.19	1.15
6500.00	1.16	1.19	1.18
7000.00	1.18	1.17	1.20
7500.00	1.11	1.11	1.17

Notes

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Typical Performance Data

LINEARITY @ -35 to 0 dBm	
FREQ (MHz)	- (%)
40	2.33
50	2.57
67	3.51
82	2.80
100	2.57
200	2.57
284	3.28
350	3.04
388	2.80
500	2.33
576	2.33
650	3.28
700	3.28
786	3.51
850	3.04
900	2.57
1150	2.57
1250	2.33
1350	3.04
1500	3.99
1650	3.04
1750	2.80
1850	3.28
2000	3.99
2150	3.51
2250	3.75
2500	4.23
2750	3.99
3000	5.20
3250	5.20
3500	5.68
3750	5.44
3850	5.20
4000	6.17
4500	4.71
4750	4.23
5250	4.95
5500	4.23
6000	4.71
6100	5.20

LINEARITY @ 0 to +20 dBm	
FREQ (MHz)	- (%)
40	0.46
50	0.46
67	0.69
82	0.46
100	0.00
200	0.23
284	-1.60
350	-1.83
388	-1.83
500	-0.23
576	-0.23
650	-0.23
700	0.69
786	-0.46
850	-0.92
900	-0.23
1150	0.23
1250	-0.23
1350	-1.60
1500	0.23
1650	0.93
1750	-0.69
1850	0.23
2000	-2.28
2150	-0.46
2250	-0.46
2500	-0.23
2750	-0.69
3000	-0.23
3250	0.46
3500	0.46
3750	0.69
3850	0.00
4000	0.00
4500	0.69
4750	0.93
5250	1.16
5500	0.46
6000	-0.46
6100	-0.69

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Typical Performance Data

FREQ. (MHz)	UNCERTAINTY OF POWER MEASUREMENTS AT CW @ 25°C (dB)							
	-45	-40	-22	-10	-5	0	+4	+10
40	0.63	0.56	0.52	0.53	0.53	0.53	0.53	0.51
50	0.15	0.07	0.04	0.04	0.03	0.03	0.04	0.02
67	0.16	0.05	0.02	0.01	0.02	0.01	0.01	-0.02
82	0.14	0.04	0.02	0.02	0.02	0.01	0.01	0.00
100	0.11	0.03	0.01	0.00	0.02	0.00	0.00	0.00
200	0.14	0.04	0.02	0.03	0.03	0.03	0.03	0.02
284	0.14	0.04	0.01	0.00	0.00	0.00	0.02	0.07
350	0.07	-0.01	-0.05	-0.06	-0.05	-0.04	-0.03	0.02
388	0.06	-0.03	-0.04	-0.06	-0.05	-0.04	-0.03	0.02
500	0.10	0.03	0.02	0.00	0.01	0.03	0.03	0.01
576	0.00	-0.09	-0.11	-0.10	-0.11	-0.08	-0.08	-0.09
650	0.08	-0.04	-0.05	-0.06	-0.07	-0.04	-0.03	-0.05
700	0.14	0.02	-0.01	0.00	-0.05	-0.01	0.01	-0.03
786	0.17	0.03	0.02	0.02	0.00	0.04	0.06	0.04
850	0.14	0.02	0.00	0.01	0.01	0.04	0.05	0.05
900	0.10	-0.01	-0.01	-0.01	-0.01	0.02	0.02	0.00
1150	0.12	0.02	0.02	0.01	0.01	0.02	0.00	0.00
1250	0.14	0.05	0.04	0.04	0.02	0.02	0.03	0.05
1350	0.15	0.05	0.04	0.02	0.03	0.02	0.05	0.09
1500	0.16	0.04	0.01	-0.01	0.00	0.00	0.01	-0.02
1650	0.13	0.03	0.01	0.00	0.01	0.00	0.00	-0.04
1750	0.11	0.01	0.02	-0.01	0.02	0.01	0.02	0.02
1850	0.13	0.02	0.01	-0.01	0.01	0.00	0.00	-0.02
2000	0.21	0.09	0.04	0.04	0.09	0.09	0.09	0.14
2150	0.13	0.03	0.01	-0.02	0.02	0.02	0.02	0.00
2250	0.16	0.02	0.01	0.00	0.03	0.03	0.05	0.02
2500	0.19	0.05	0.04	0.01	0.05	0.04	0.03	0.02
2750	0.18	0.07	0.04	0.01	0.04	0.05	0.04	0.04
3000	0.19	0.04	0.00	-0.03	0.00	0.00	0.01	-0.02
3250	0.20	0.01	-0.01	-0.02	-0.01	-0.01	-0.02	-0.04
3500	0.25	0.09	0.04	0.01	0.04	0.02	0.02	-0.01
3750	0.25	0.09	0.05	0.02	0.04	0.03	0.03	-0.01
3850	0.24	0.10	0.06	0.02	0.06	0.06	0.04	0.02
4000	0.23	0.04	0.00	-0.03	0.00	0.00	-0.01	-0.03
4500	0.22	0.10	0.06	0.02	0.03	0.02	0.00	-0.01
4750	0.21	0.08	0.05	0.03	0.05	0.01	0.00	-0.01
5250	0.27	0.10	0.09	0.06	0.06	0.03	-0.01	0.01
5500	0.16	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.04
6000	0.15	-0.02	-0.06	-0.05	-0.04	-0.03	-0.03	-0.03
6100	0.15	-0.02	-0.06	-0.07	-0.05	-0.04	-0.04	-0.04

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UNCERTAINTY OF POWER MEASUREMENT MODULATED SIGNAL @ 25°C

FREQ. (MHZ)	LTE	DQPSK (PWT)	4QAM	DQPSK (NADC)	256 QAM	MSK	WLAN	WiMax
(dB)								
50	-0.22	-0.13	-0.07	-0.14	-0.10	-0.09	-	-
500	0.00	-0.09	-0.05	-0.04	-0.07	-0.05	-	-
1000	-0.09	-0.02	0.00	0.09	0.00	0.04	-	-
1100	-	-0.04	-0.04	-0.02	-0.05	0.01	-	-
1200	-	-0.07	-0.08	-0.04	-0.05	0.00	-	-
1300	-	-0.10	-0.09	-0.01	-0.08	-0.03	-	-
1500	-0.20	-0.15	-0.10	-0.06	-0.09	-0.04	-	-
2000	-0.20	-0.12	-0.09	-0.05	-0.09	-0.02	-0.15	-0.17
2200	-0.18	-0.11	-0.06	-0.05	-0.08	0.05	-0.14	-0.17
2400	-0.14	-0.09	-0.02	-0.06	-0.05	0.05	-0.10	-0.14
2500	-0.12	-0.07	0.01	-0.04	-0.03	0.07	-0.08	-0.13
2700	-0.18	-0.10	-0.07	-0.09	-0.10	-0.02	-0.13	-0.12
3000	-0.22	-0.17	-0.09	-0.13	-0.11	-0.10	-0.16	-0.16
3200	-0.14	-0.10	-0.02	-0.03	-0.05	-0.01	-0.08	-0.12
3500	-0.21	-0.15	-0.10	-0.14	-0.11	-0.09	-0.14	-0.16
3700	-0.11	-0.06	-0.02	-0.06	-0.06	-0.01	-0.06	-0.07
4000	-0.06	-0.03	0.02	-0.03	0.00	0.01	-0.03	-0.04
4200	-0.14	-0.12	-0.02	-0.08	-0.10	-0.08	-0.11	-0.13
4500	-0.08	-0.05	0.03	-0.03	-0.05	-0.01	-0.07	-0.04
5000	-0.10	-0.10	-0.03	-0.07	-0.08	-0.03	-0.10	-0.10
5200	-0.14	-0.13	-0.05	-0.06	-0.06	0.00	-0.11	-0.08
5500	-0.12	-0.12	-0.02	-0.08	-0.06	0.00	-0.11	-0.08
5800	-0.02	-0.01	0.10	0.06	0.05	0.12	-0.01	0.01
6000	-0.14	-0.15	-0.05	-0.10	-0.10	-0.04	-0.09	-0.09

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