SECTION 2. Measurement Data

2.1 RF Power Output

Channel # 1 (825.03 MHz)
-30^0 C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.5	-2.5
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	5.9	-2.1
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.3	-2.7
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.3	-1.7
3.70	5	-14	16	14.3	-1.7
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	5.9	-2.1
3.33	0	-2	28	25.5	-2.5
3.33	1	-2	28	25.3	-2.7
3.33	2	-2	28	24.9	-3.1
3.33	3	-6	24	22.3	-1.7
3.33	4	-10	20	18.3	-1.7
3.33	5	-14	16	14.3	-1.7
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	5.9	-2.1

Channel # 333 (834.99 MHz)
-30^0 C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.7	-2.3
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.4	-1.6
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	5.9	-2.1
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.4	-2.6
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.4	-1.6
3.70	5	-14	16	14.3	-1.7
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	5.9	-2.1
3.33	0	-2	28	25.6	-2.4
3.33	1	-2	28	25.4	-2.6
3.33	2	-2	28	24.7	-3.3
3.33	3	-6	24	22.2	-1.8
3.33	4	-10	20	18.1	-1.9
3.33	5	-14	16	14.4	-1.6
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	5.8	-2.2

Channel # 666 (844.98 MHz)
-30^0 C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.7	-2.3
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	25.3	-2.7
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.1	-1.9
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	6.1	-1.9
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.3	-2.7
3.70	2	-2	28	25.2	-2.8
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.6	-1.4
3.70	5	-14	16	14.3	-1.7
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	5.9	-2.1
3.33	0	-2	28	25.7	-2.3
3.33	1	-2	28	25.3	-2.7
3.33	2	-2	28	24.9	-3.1
3.33	3	-6	24	22.5	-1.5
3.33	4	-10	20	18.3	-1.7
3.33	5	-14	16	14.3	-1.7
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	6.1	-1.9

Channel # 1 (825.03 MHz)
$+20^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.6	-2.4
4.07	1	-2	28	25.4	-2.6
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.4	-1.6
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	5.9	-2.1
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.3	-2.7
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.5	-1.5
3.70	4	-10	20	18.3	-1.7
3.70	5	-14	16	14.5	-1.5
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	6.2	-1.8
3.33	0	-2	28	25.5	-2.5
3.33	1	-2	28	25.3	-2.7
3.33	2	-2	28	25.2	-2.8
3.33	3	-6	24	22.3	-1.7
3.33	4	-10	20	18.6	-1.4
3.33	5	-14	16	14.3	-1.7
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	5.9	-2.1

Channel # 333 (834.99 MHz)
$+20^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.5	-2.5
4.07	1	-2	28	25.5	-2.5
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.5	-1.5
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	9.8	-2.2
4.07	7	-22	8	5.8	-2.2
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.4	-2.6
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.5	-1.5
3.70	4	-10	20	18.3	-1.7
3.70	5	-14	16	14.5	-1.5
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	6.1	-1.9
3.33	0	-2	28	25.6	-2.4
3.33	1	-2	28	25.5	-2.5
3.33	2	-2	28	24.9	-3.1
3.33	3	-6	24	22.3	-1.7
3.33	4	-10	20	18.3	-1.7
3.33	5	-14	16	14.4	-1.6
3.33	6	-18	12	10.2	-1.8
3.33	7	-22	8	5.9	-2.1

Channel # 666 (844.98 MHz)
$+20^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.7	-2.3
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.4	-1.6
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	5.9	-2.1
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.4	-2.6
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.4	-1.6
3.70	5	-14	16	14.3	-1.7
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	5.9	-2.1
3.33	0	-2	28	25.6	-2.4
3.33	1	-2	28	25.4	-2.6
3.33	2	-2	28	24.7	-3.3
3.33	3	-6	24	22.2	-1.8
3.33	4	-10	20	18.1	-1.9
3.33	5	-14	16	14.4	-1.6
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	5.8	-2.2

Channel # 1 (825.03 MHz)
$+60^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.5	-2.5
4.07	1	-2	28	25.5	-2.5
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.5	-1.5
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	9.8	-2.2
4.07	7	-22	8	5.8	-2.2
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.4	-2.6
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.5	-1.5
3.70	4	-10	20	18.3	-1.7
3.70	5	-14	16	14.5	-1.5
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	6.1	-1.9
3.33	0	-2	28	25.6	-2.4
3.33	1	-2	28	25.5	-2.5
3.33	2	-2	28	24.9	-3.1
3.33	3	-6	24	22.3	-1.7
3.33	4	-10	20	18.3	-1.7
3.33	5	-14	16	14.4	-1.6
3.33	6	-18	12	10.2	-1.8
3.33	7	-22	8	5.9	-2.1

Channel # 333 (834.99 MHz)
$+60^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.5	-2.5
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	25.2	-2.8
4.07	3	-6	24	22.1	-1.9
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.3	-1.7
4.07	6	-18	12	10.1	-1.9
4.07	7	-22	8	6.1	-1.9
3.70	0	-2	28	25.7	-2.3
3.70	1	-2	28	25.3	-2.7
3.70	2	-2	28	25.1	-2.9
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.3	-1.7
3.70	5	-14	16	14.5	-1.5
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	6.1	-1.9
3.33	0	-2	28	25.5	-2.5
3.33	1	-2	28	25.5	-2.5
3.33	2	-2	28	24.9	-3.1
3.33	3	-6	24	22.3	-1.7
3.33	4	-10	20	18.1	-1.9
3.33	5	-14	16	14.3	-1.7
3.33	6	-18	12	10.1	-1.9
3.33	7	-22	8	5.9	-2.1

Channel # 666 (844.98 MHz)
$+60^{0}$ C

Supply Voltage (VDC)	Power Level	Nominal ERP (dBW)	Nominal ERP (dBm)	Measured ERP (dBm)	Difference (dB)
4.07	0	-2	28	25.7	-2.3
4.07	1	-2	28	25.3	-2.7
4.07	2	-2	28	24.9	-3.1
4.07	3	-6	24	22.3	-1.7
4.07	4	-10	20	18.3	-1.7
4.07	5	-14	16	14.4	-1.6
4.07	6	-18	12	9.9	-2.1
4.07	7	-22	8	5.9	-2.1
3.70	0	-2	28	25.5	-2.5
3.70	1	-2	28	25.4	-2.6
3.70	2	-2	28	24.9	-3.1
3.70	3	-6	24	22.3	-1.7
3.70	4	-10	20	18.4	-1.6
3.70	5	-14	16	14.3	-1.7
3.70	6	-18	12	9.9	-2.1
3.70	7	-22	8	5.9	-2.1
3.33	0	-2	28	25.6	-2.4
3.33	1	-2	28	25.4	-2.6
3.33	2	-2	28	24.7	-3.3
3.33	3	-6	24	22.2	-1.8
3.33	4	-10	20	18.1	-1.9
3.33	5	-14	16	14.4	-1.6
3.33	6	-18	12	9.9	-2.1
3.33	7	-22	8	5.8	-2.2