EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo Mode	**CHANNEL**	3
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	51.0 PK	74.00	-23.00	1.30 H	61	13.90	37.00
1	#5088.00	44.6 AV	54.00	-9.40	1.30 H	61	7.50	37.00
2	*5290.00	95.1 PK			1.58 H	99	58.00	37.00
2	*5290.00	86.7 AV			1.58 H	99	49.60	37.00
3	#5350.00	51.2 PK	74.00	-22.80	1.33 H	119	14.10	37.00
3	#5350.00	41.0 AV	54.00	-13.00	1.33 H	119	4.00	37.00
4	#5408.00	50.4 PK	74.00	-23.60	1.54 H	26	13.40	37.00
5	10580.00	51.8 PK	68.30	-16.50	1.35 H	26	6.00	45.70

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	56.0 PK	74.00	-18.00	1.11 V	9	19.00	37.00
1	#5088.00	49.6 AV	54.00	-4.40	1.11 V	9	12.60	37.00
2	*5290.00	98.9 PK			1.00 V	0	61.90	37.00
2	*5290.00	91.2 AV			1.00 V	0	54.20	37.00
3	#5350.00	57.0 PK	74.00	-17.00	1.05 V	24	20.00	37.00
3	#5350.00	47.8 AV	54.00	-6.20	1.05 V	24	10.80	37.00
4	#5408.00	59.4 PK	74.00	-14.60	1.05 V	24	22.30	37.00
4	#5408.00	50.8 AV	54.00	-3.20	1.05 V	24	13.70	37.00
5	10580.00	55.1 PK	68.30	-13.20	1.52 V	329	9.40	45.70

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "#" : The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo Mode	**CHANNEL**	4
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	51.4 PK	74.00	-22.60	1.41 H	222	14.40	37.00
1	#5120.00	44.1 AV	54.00	-9.90	1.41 H	222	7.10	37.00
2	#5440.00	49.4 PK	74.00	-24.60	1.02 H	24	12.30	37.00
3	5715.00	59.1 PK	72.80	-13.70	1.33 H	6	21.60	37.50
4	5725.00	71.3 PK	82.80	-11.50	1.20 H	249	33.80	37.50
5	*5760.00	95.7 PK			1.22 H	289	58.10	37.60
5	*5760.00	87.8 AV			1.22 H	289	50.20	37.50
6	#11520.00	58.0 PK	74.00	-16.00	1.29 H	356	6.70	51.30
6	#11520.00	47.0 AV	54.00	-7.00	1.29 H	356	-4.30	37.60

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5120.00	55.6 PK	74.00	-18.40	1.36 V	160	18.50	37.00
1	#5120.00	48.6 AV	54.00	-5.40	1.36 V	160	11.50	37.00
2	#5440.00	57.0 PK	74.00	-17.00	1.39 V	65	19.90	37.00
2	#5440.00	49.0 AV	54.00	-5.00	1.39 V	65	12.00	37.00
3	5715.00	66.2 PK	72.80	-6.60	1.25 V	8	28.70	37.50
4	5725.00	76.4 PK	82.80	-6.40	1.55 V	68	38.90	37.50
5	*5760.00	101.5 PK			1.09 V	6	63.90	37.60
5	*5760.00	94.6 AV			1.09 V	6	57.00	37.60
6	#11520.00	61.0 PK	74.00	-13.00	1.25 V	24	9.70	51.30
6	#11520.00	51.2 AV	54.00	-2.80	1.25 V	24	-0.10	51.30

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "# " :The radiated frequency falling in the restricted band.

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo Mode	**CHANNEL**	5
FREQUENCY RANGE	1000MHz~40000MHz	**DETECTOR FUNCTION**	Peak(PK) Average (AV)
ENVIRONMENTAL CONDITIONS	28 deg. C, 56%RH, 976 hPa	**INPUT POWER (SYSTEM)**	120Vac, 60Hz
TESTED BY	Eic Lee		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	48.6 PK	74.00	-25.40	1.05 H	34	11.60	37.00
2	#5440.00	50.7 PK	74.00	-23.30	1.01 H	260	13.70	37.00
3	*5800.00	96.4 PK			1.33 H	26	58.70	37.70
3	*5800.00	88.7 AV			1.33 H	26	51.00	37.00
4	5825.00	70.0 PK	82.80	-12.80	1.55 H	87	32.30	37.70
5	5835.00	60.0 PK	72.80	-12.80	1.09 H	68	22.30	37.70
6	#11600.00	56.8 PK	74.00	-17.20	1.05 H	258	5.80	51.00
6	#11600.00	45.8 AV	54.00	-8.20	1.05 H	258	-5.20	37.70

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5088.00	57.2 PK	74.00	-16.80	1.57 V	45	20.10	37.00
1	#5088.00	49.6 AV	54.00	-4.40	1.57 V	45	12.60	37.00
2	#5440.00	60.4 PK	74.00	-13.60	1.03 V	247	23.40	37.00
2	#5440.00	50.9 AV	54.00	-3.10	1.03 V	247	13.90	37.00
3	*5800.00	99.8 PK			1.25 V	47	62.10	37.70
3	*5800.00	94.5 AV			1.25 V	47	56.80	37.70
4	5825.00	75.2 PK	82.80	-7.60	1.04 V	55	37.50	37.70
5	5835.00	64.3 PK	72.80	-8.50	1.57 V	227	26.50	37.70
6	#11600.00	58.8 PK	74.00	-15.20	1.63 V	325	7.80	51.00
6	#11600.00	50.0 AV	54.00	-4.00	1.63 V	325	-1.00	51.00

NOTE:

1. Emission level = Raw value - Correction Factor
2. Correction Factor = Pre-Amp. Factor - Ant. Factor - Cable loss
   (Pre-Amp. Factor = 0, when a Pre-Amplifier is not used for the test.)
3. Margin value = Emission level - Limit value
4. The other emission levels were very low against the limit.
5. "*" : Fundamental frequency
6. "# " :The radiated frequency falling in the restricted band.

5.3 PEAK TRANSMIT POWER MEASUREMENT

5.3.1 LIMITS OF PEAK TRANSMIT POWER MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.25 – 5.35 GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.725 – 5.825 GHz	The lesser of 1W (30dBm) or 17dBm + 10logB

Note: Where B is the 26dB emission bandwidth in MHz.

5.3.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2003

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

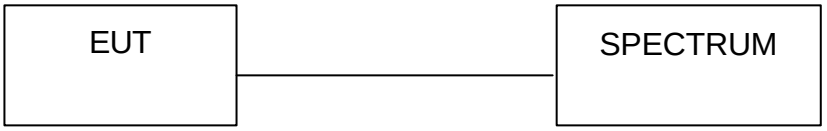
5.3.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set span to encompass the entire emission bandwidth of the signal.
3. Set RBW to 1MHz, VBW to 30kHz.
4. Using the spectrum analyzer' s channel power measurement function to measure the output power.

5.3.4 DEVIATION FROM TEST STANDARD

No deviation

5.3.5 TEST SETUP



5.3.6 EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

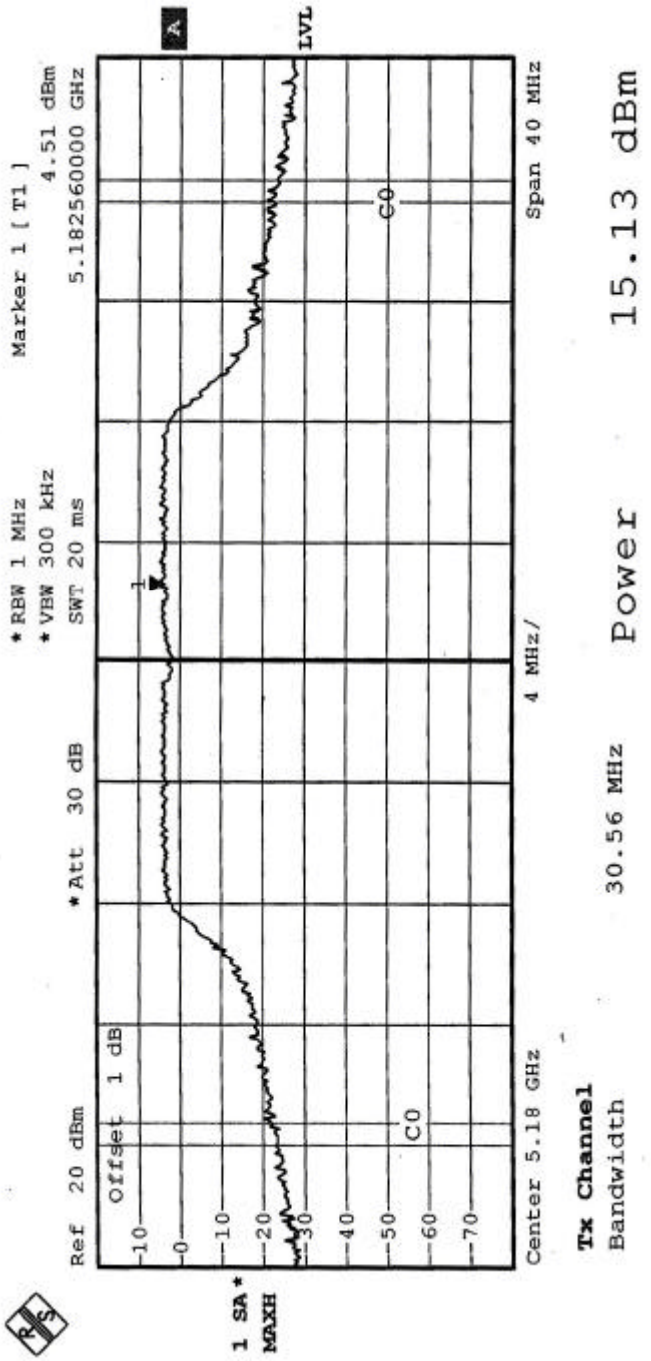
5.3.7 TEST RESULTS

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Normal	**INPUT POWER (SYSTEM)**	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	21eg. C, 58RH, 976 hPa	**TESTED BY**	Eric Lee

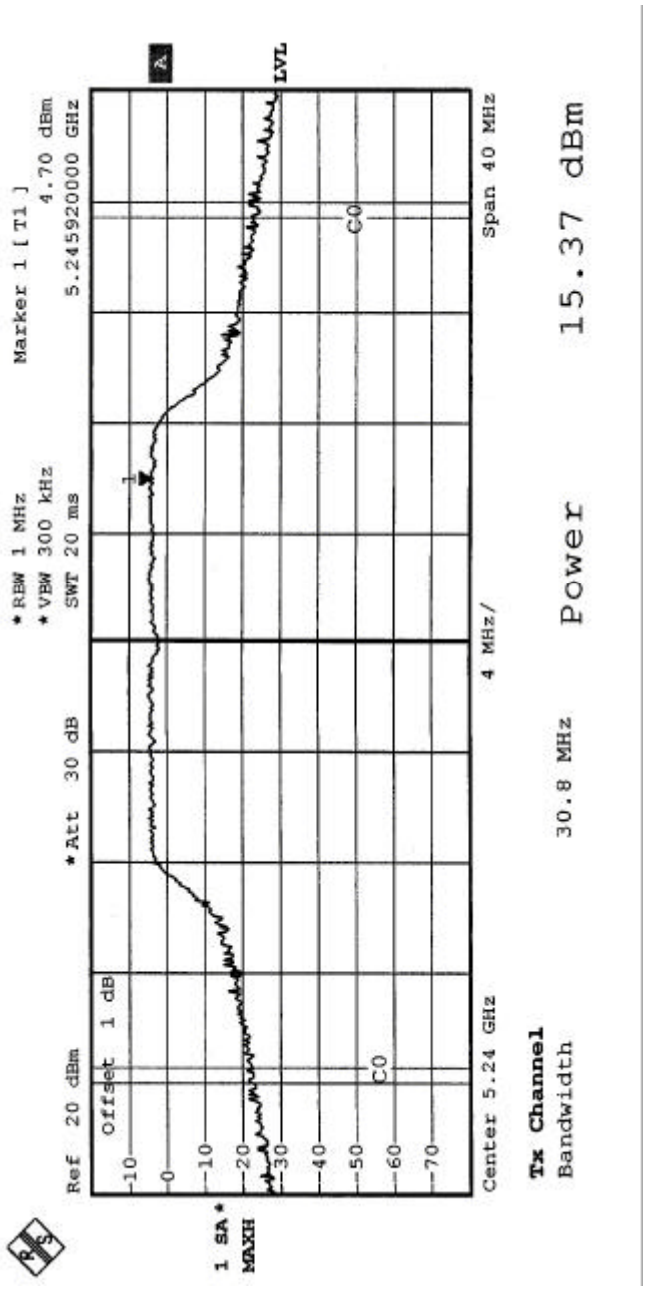
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5180	15.13	17.00	30.56	PASS
4	5240	15.37	17.00	30.80	PASS
5	5260	15.15	24.00	29.76	PASS
8	5320	15.14	24.00	30.32	PASS
9	5745	15.52	30.00	30.32	PASS
12	5805	15.14	30.00	32.72	PASS

NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.

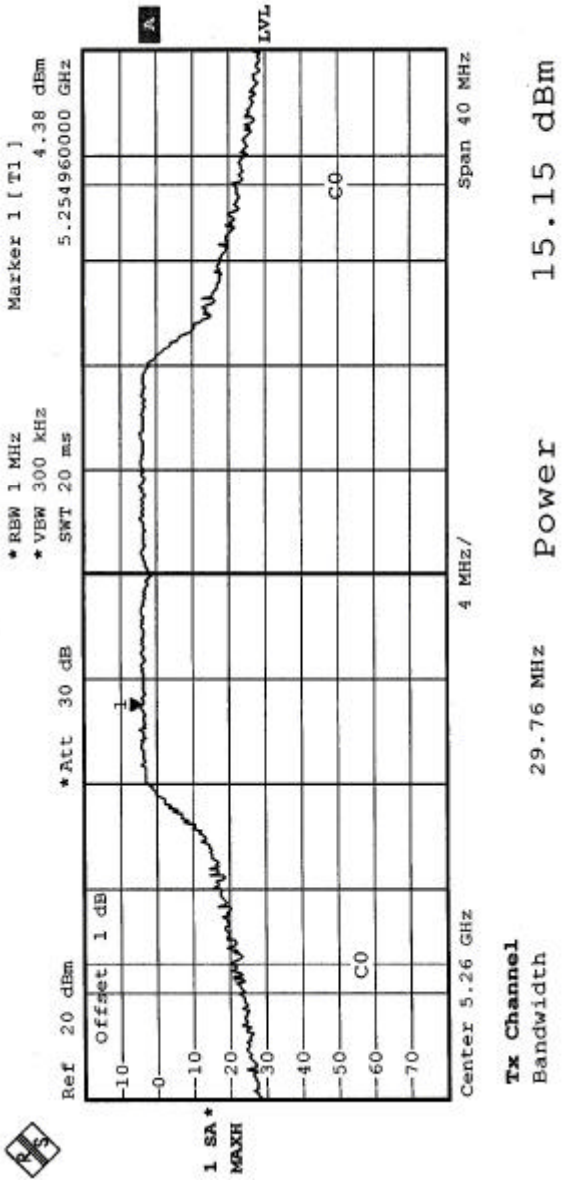
CHANNEL 1


Marker 1 [T1]
4.51 dBm
5.182560000 GHz
* RBW 1 MHz
* VBW 300 kHz
SWT 20 ms
* Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.18 GHz
4 MHz/
Span 40 MHz
Tx Channel
Bandwidth
30.56 MHz
Power
15.13 dBm
1 SA *
MAXH
A
LVL
C0

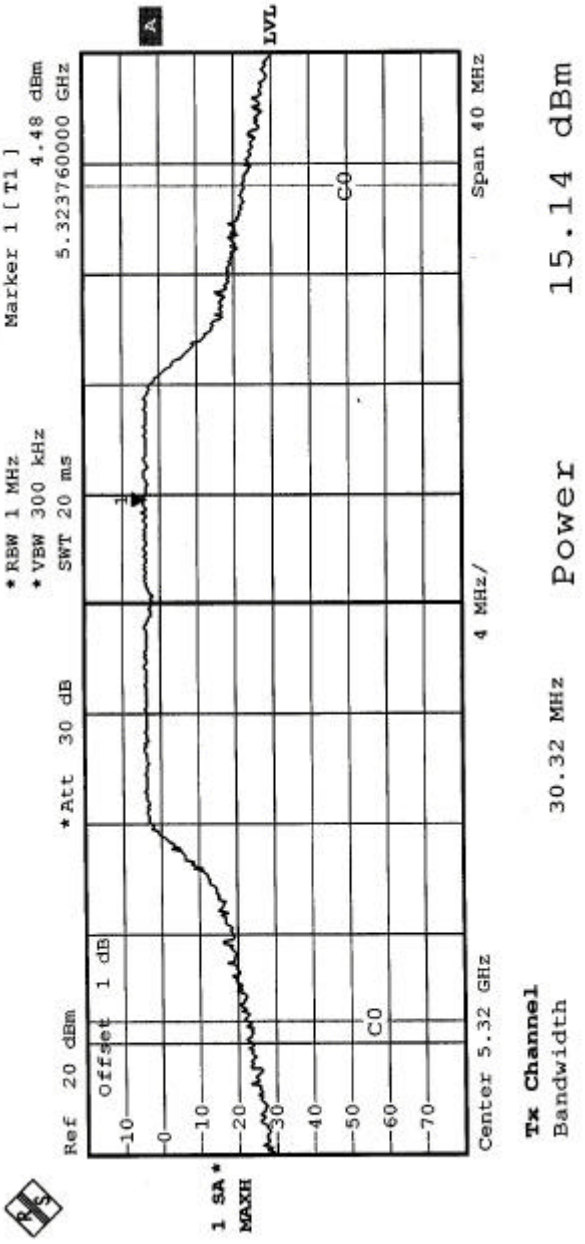
CHANNEL 4


Ref 20 dBm
Offset 1 dB
10
0
-10
-20
-30
-40
-50
-60
-70
1 SA *
MAXH
Center 5.24 GHz
4 MHz/
Span 40 MHz
* RBW 1 MHz
* VBW 300 kHz
* Att 30 dB
SWT 20 ms
Marker 1 [T1]
4.70 dBm
5.245920000 GHz
LVL
C0
Tx Channel
Bandwidth
30.8 MHz
Power
15.37 dBm

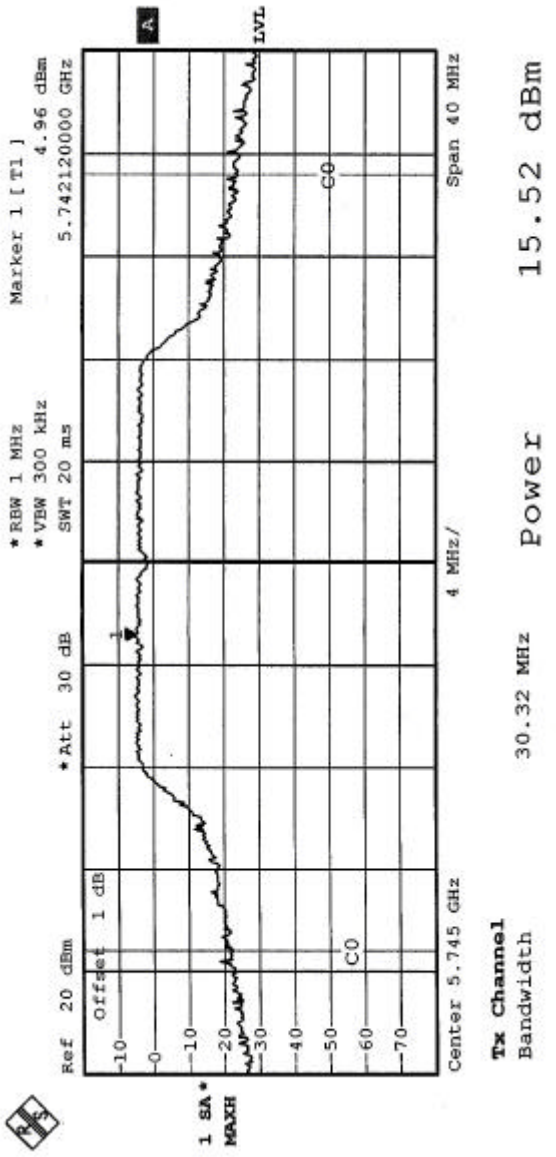
CHANNEL 5


Ref 20 dBm
Offset 1 dB
*Att 30 dB
*RBW 1 MHz
*VBW 300 kHz
SWT 20 ms
Marker 1 [T1]
4.38 dBm
5.254960000 GHz
Center 5.26 GHz
4 MHz/
Span 40 MHz
LVL
1 SA *
MAXH
Tx Channel
Bandwidth
29.76 MHz
Power
15.15 dBm

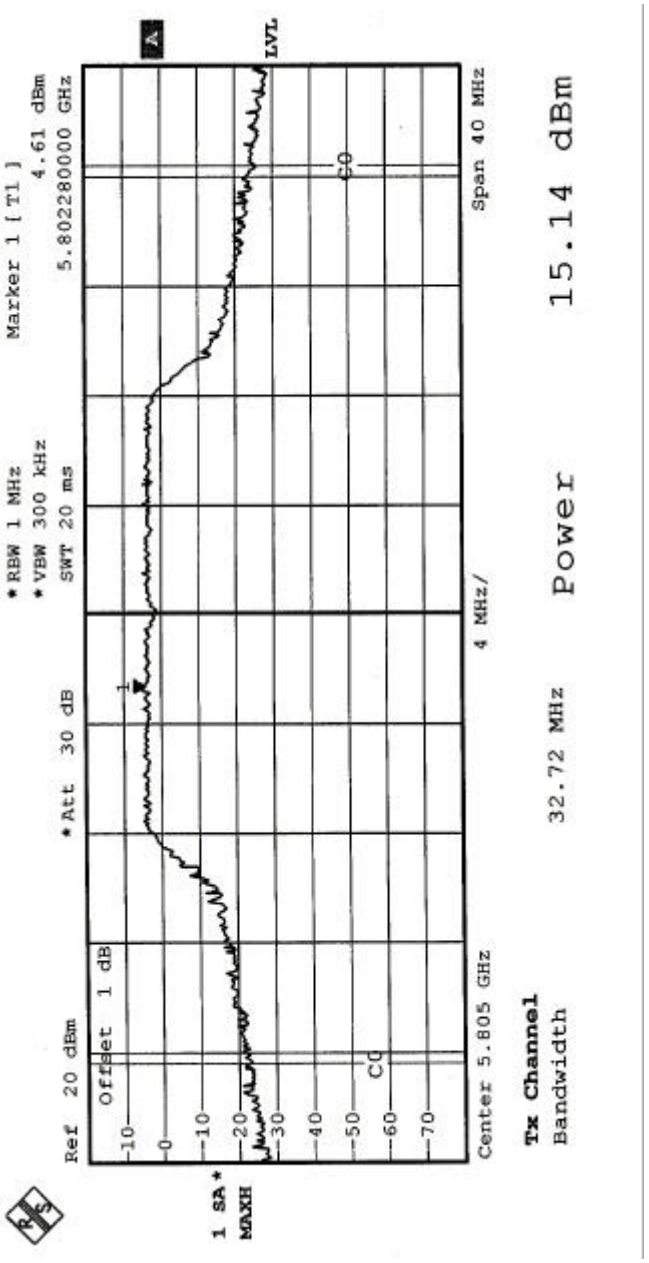
CHANNEL 8


Marker 1 [T1]
4.48 dBm
5.323760000 GHz
RBW 1 MHz
VBW 300 kHz
SWT 20 ms
Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.32 GHz
4 MHz/
Span 40 MHz
1 SA *
MAXH
A
LVL
C0
C0
Tx Channel
Bandwidth
30.32 MHz
Power
15.14 dBm

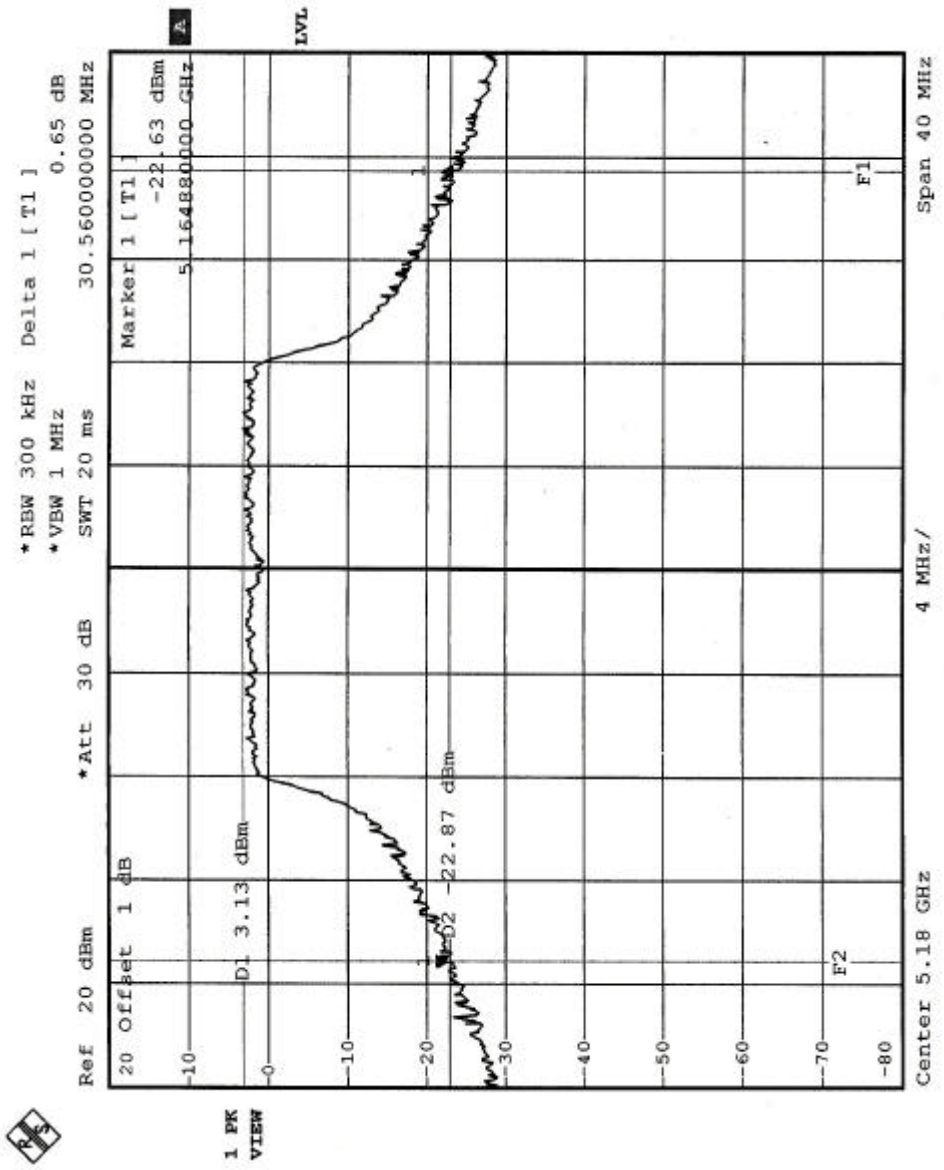
CHANNEL 9


Ref 20 dBm
Offset 1 dB
10
0
-10
-20
-30
-40
-50
-60
-70
* Att 30 dB
* RBW 1 MHz
* VBW 300 kHz
SWT 20 ms
Marker 1 [T1]
4.96 dBm
5.742120000 GHz
A
LVL
Center 5.745 GHz
4 MHz/
Span 40 MHz
1 SA *
MAXH
Tx Channel
Bandwidth
30.32 MHz
Power
15.52 dBm

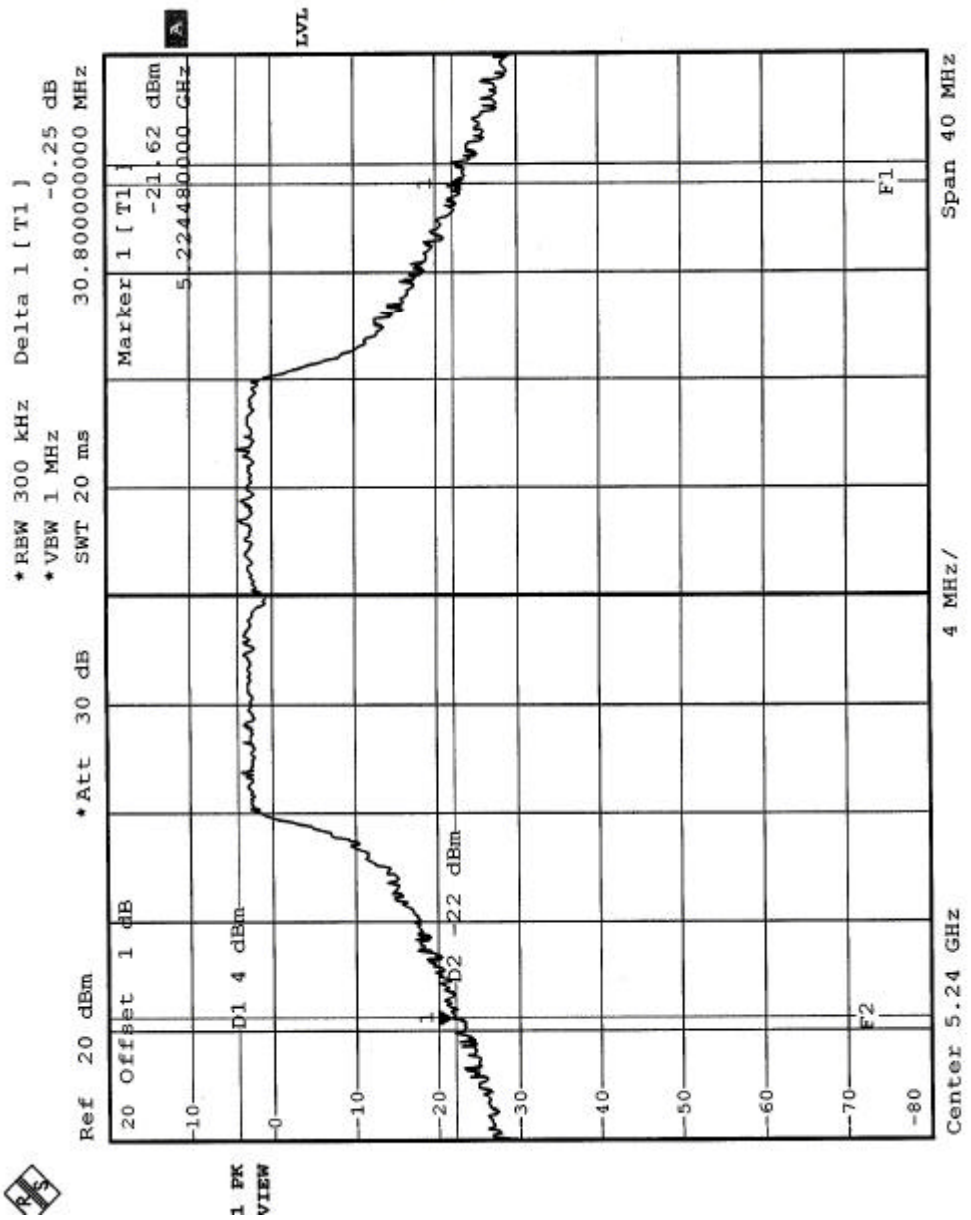
CHANNEL 12


Marker 1 [T1]
4.61 dBm
5.802280000 GHz
* RBW 1 MHz
* VBW 300 kHz
SWT 20 ms
* Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.805 GHz
4 MHz/
Span 40 MHz
Tx Channel
Bandwidth
32.72 MHz
Power
15.14 dBm
1 SA *
MAXH
CO
CO
LVL
A

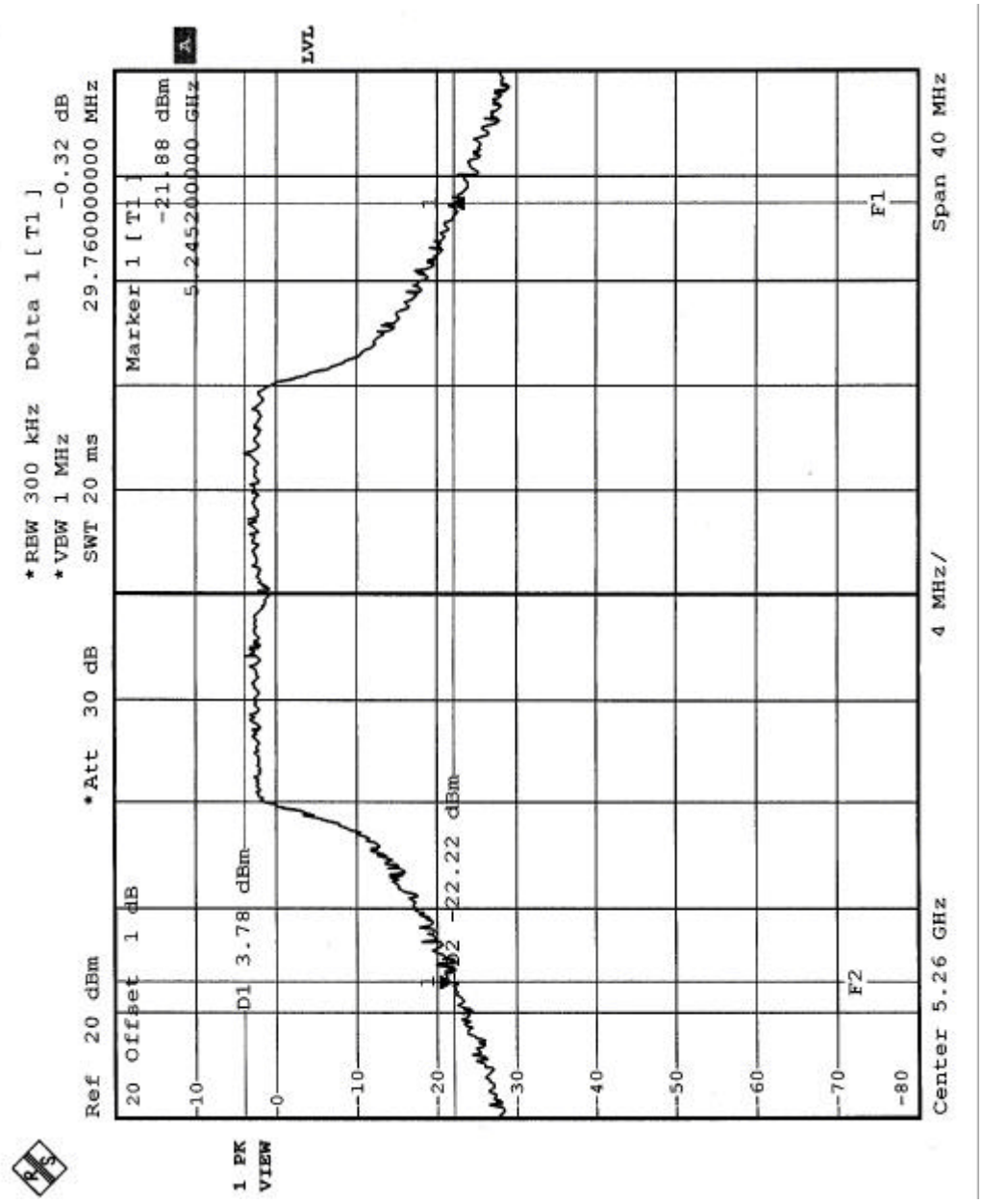
CHANNEL 1


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
0.65 dB
30.560000000 MHz
Marker 1 [T1]
-22.63 dBm
5.16480000 GHz
Ref 20 dBm
Offset 1 dB
Att 30 dB
D1 3.13 dBm
D2 -22.87 dBm
Center 5.18 GHz
4 MHz/
Span 40 MHz
F1
F2
1 PK
VIEW
LVL

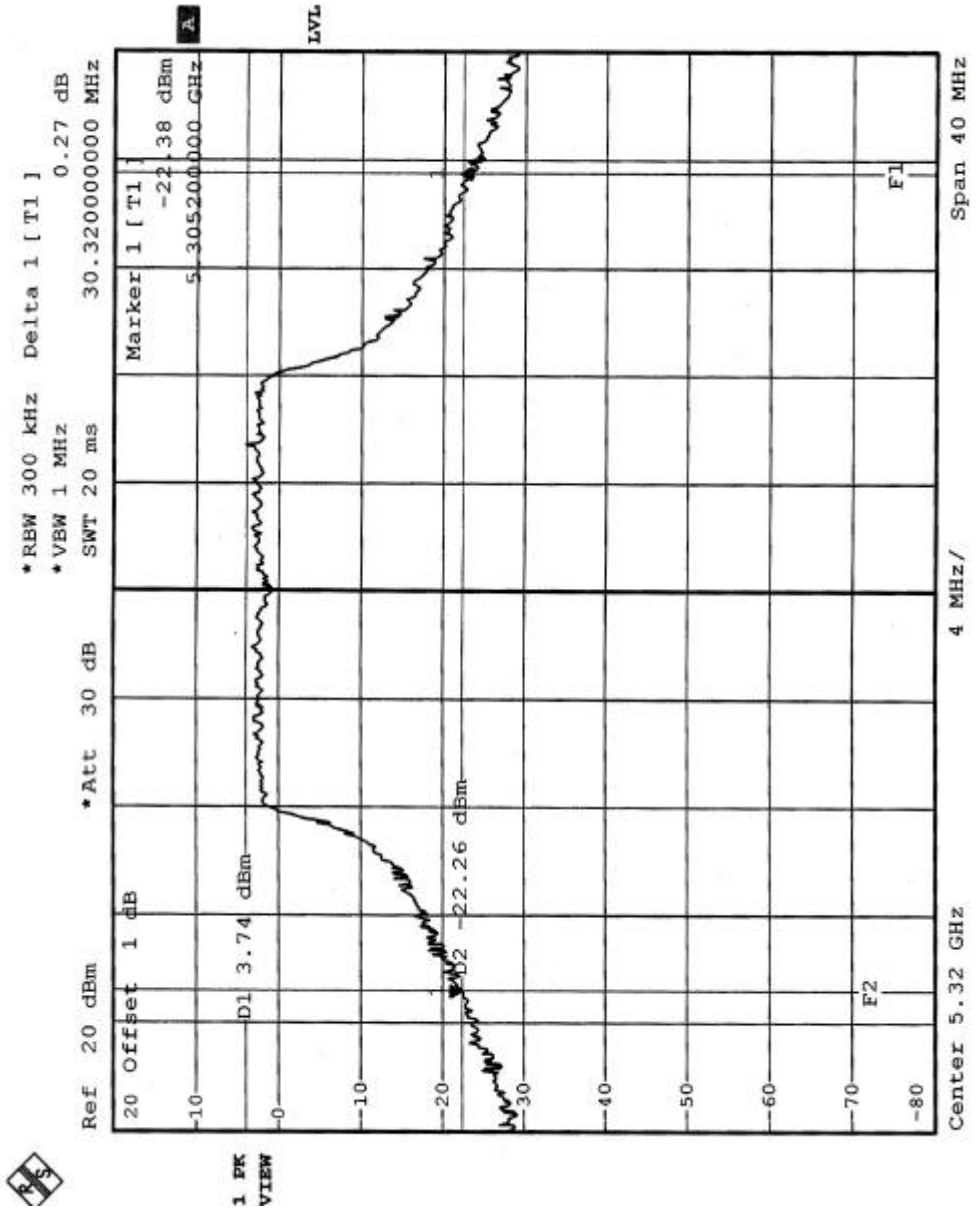
CHANNEL 4


Ref 20 dBm
Offset 1 dB
*Att 30 dB
*RBW 300 kHz
*VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
-0.25 dB
30.800000000 MHz
Marker 1 [T1]
-21.62 dBm
5.224800000 GHz
D1 4 dBm
D2 -22 dBm
Center 5.24 GHz
4 MHz/
Span 40 MHz
F1
F2
LVL
1 PK
VIEW

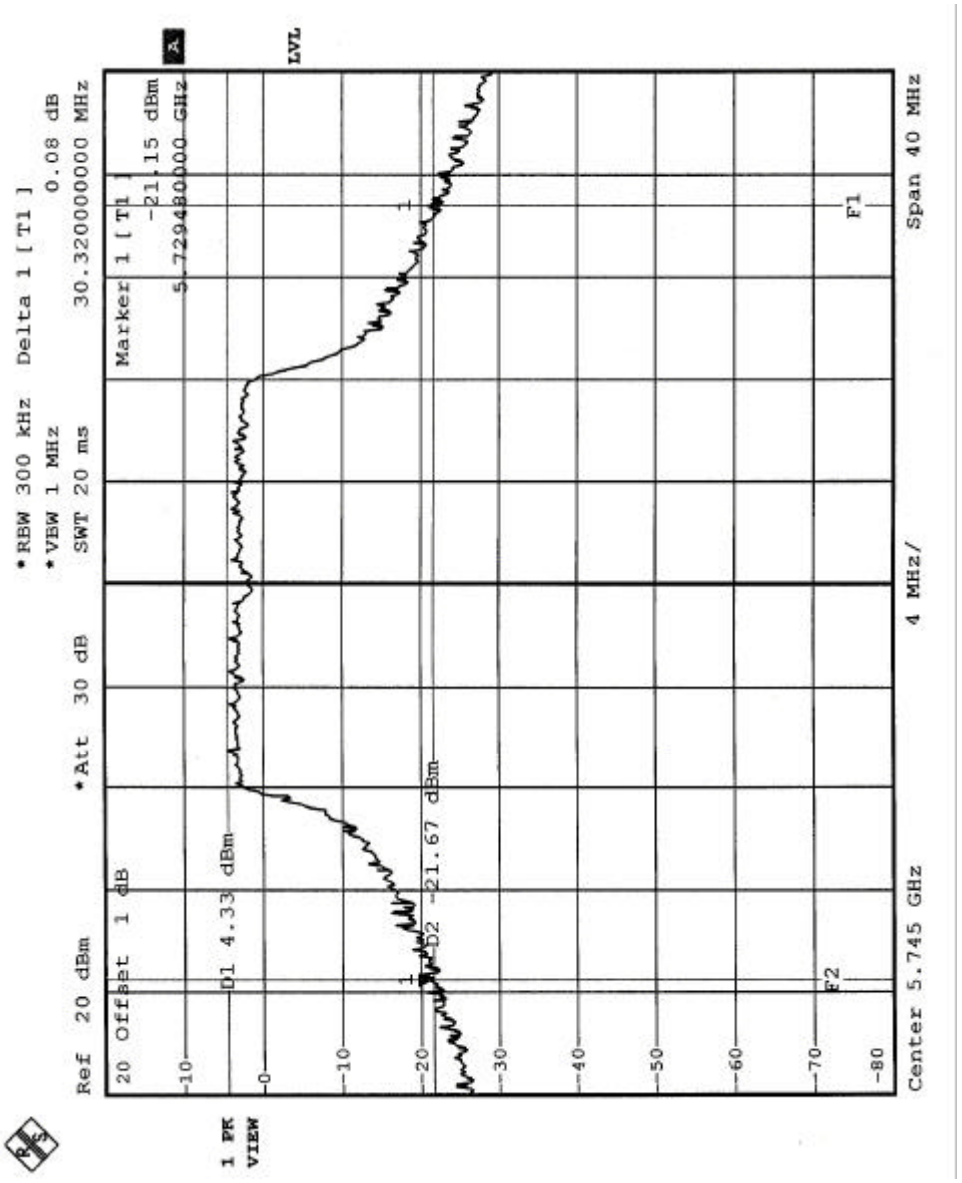
CHANNEL 5


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
-0.32 dB
29.760000000 MHz
Marker 1 [T1]
-21.88 dBm
5.245200000 GHz
Ref 20 dBm
Offset 1 dB
Att 30 dB
D1 3.78 dBm
-22.22 dBm
Center 5.26 GHz
4 MHz/
Span 40 MHz
1 PK
VIEW
LVL
F1
F2

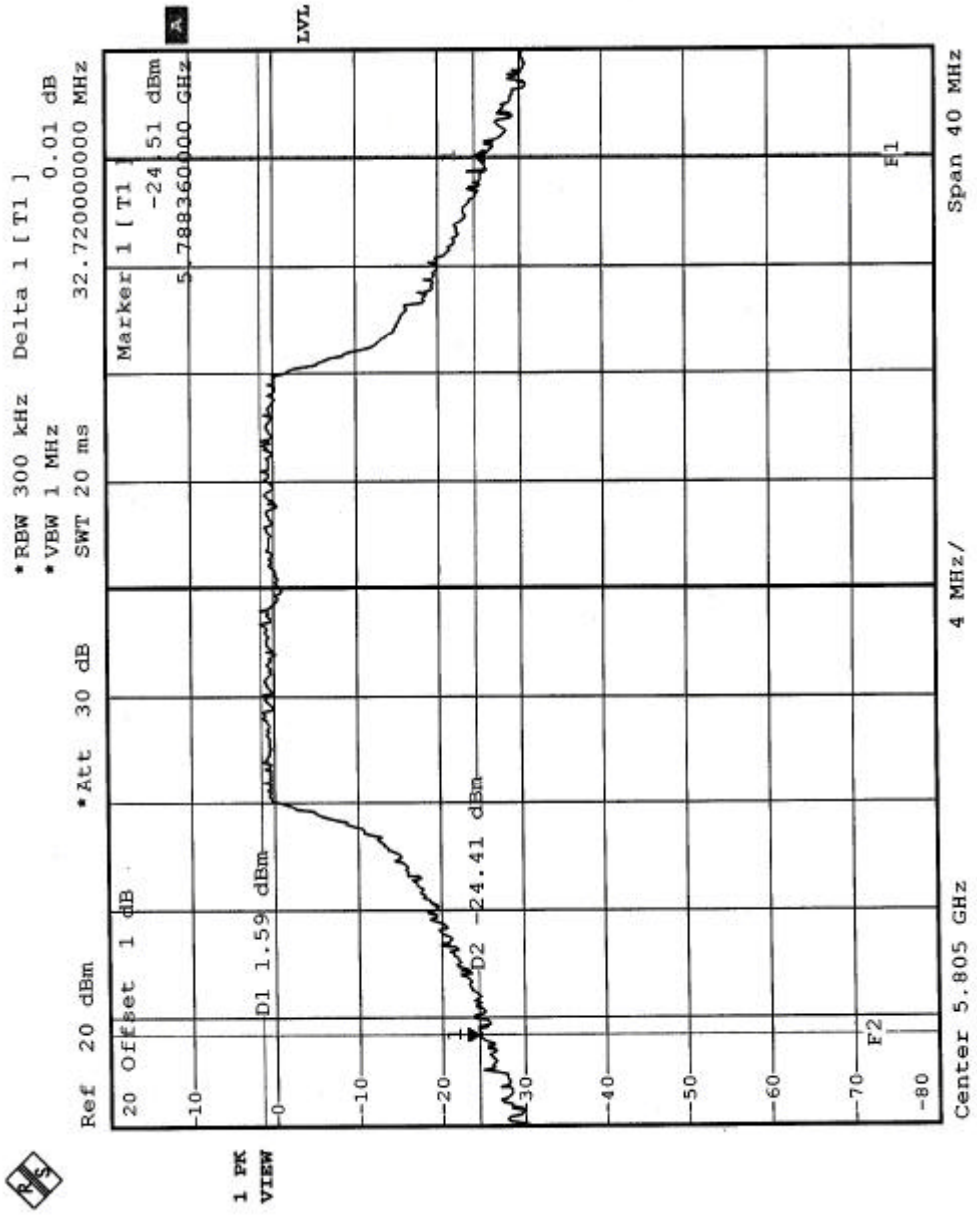
CHANNEL 8


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
0.27 dB
30.320000000 MHz
Marker 1 [T1]
-22.38 dBm
5.305200000 GHz
Ref 20 dBm
Offset 1 dB
Att 30 dB
D1 3.74 dBm
D2 -22.26 dBm
Center 5.32 GHz
4 MHz/
Span 40 MHz
F1
F2
LVL
1 PK
VIEW

CHANNEL9


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Att 30 dB
Offset 1 dB
Ref 20 dBm
Delta 1 [T1]
0.08 dB
30.320000000 MHz
Marker 1 [T1]
-21.15 dBm
5.729480000 GHz
D1 4.33 dBm
D2 -21.67 dBm
Center 5.745 GHz
4 MHz/
Span 40 MHz
1 PK
VIEW
LVL

CHANNEL 12

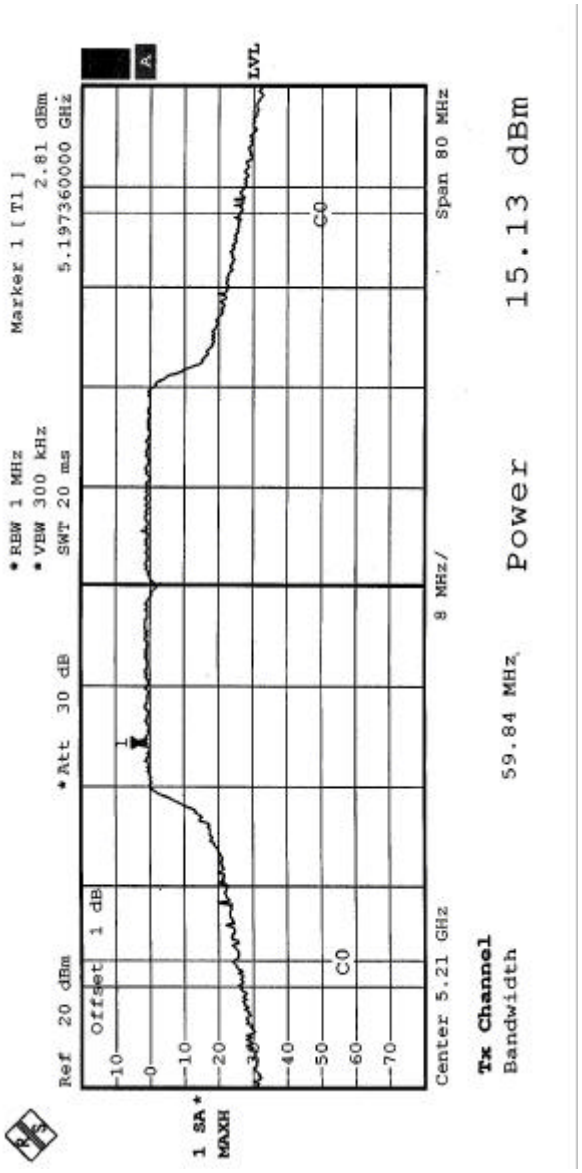

RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
0.01 dB
32.720000000 MHz
Marker 1 [T1]
-24.51 dBm
5.788360000 GHz
Ref 20 dBm
Offset 1 dB
Att 30 dB
D1 1.59 dBm
D2 -24.41 dBm
Center 5.805 GHz
4 MHz/
Span 40 MHz
1 PK
VIEW

EUT	EliteConnect Universal 2.4GHz/5GHz Wireless Access Point	**MODEL**	SMC2555W-AG
MODE	Turbo	**INPUT POWER (SYSTEM)**	120Vac, 60 Hz
ENVIRONMENTAL CONDITIONS	25eg. C, 66RH, 976 hPa	**TESTED BY**	Eric Lee

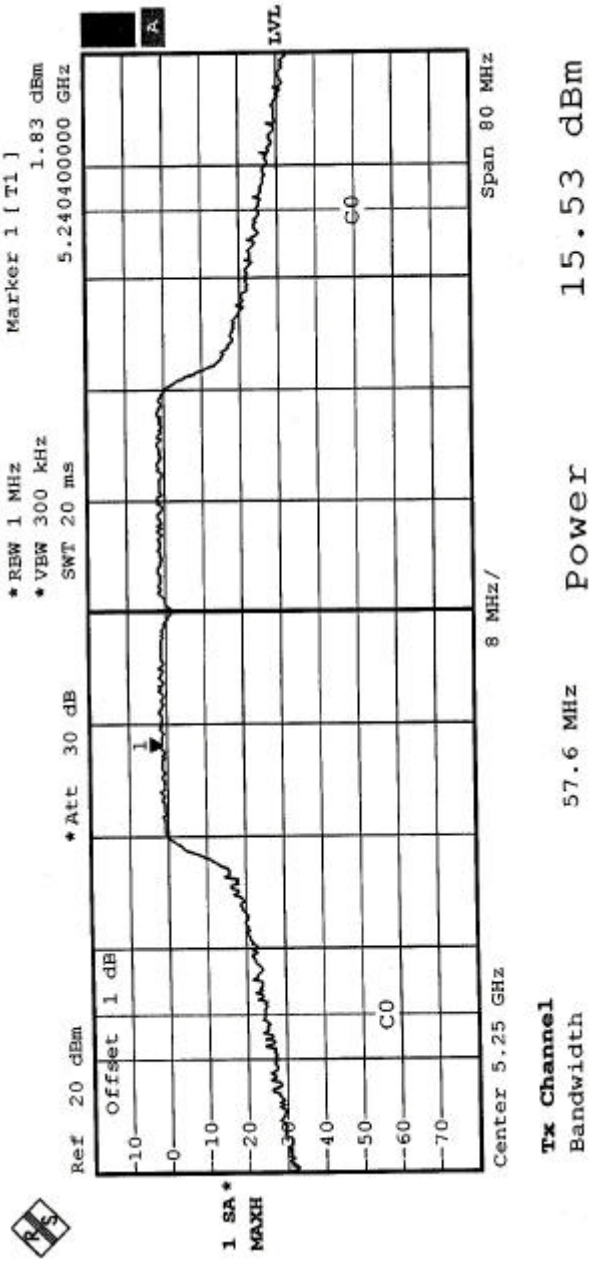
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)	PEAK POWER LIMIT (dBm)	26dBc Occupied Bandwidth (MHz)	PASS/FAIL
1	5210	15.13	17.00	59.84	PASS
2	5250	15.53	24.00	57.60	PASS
3	5290	15.57	24.00	60.96	PASS
4	5760	15.43	30.00	61.76	PASS
5	5800	15.16	30.00	58.56	PASS

NOTE: The 26dBc Occupied Bandwidth plot, please refer to the following pages.

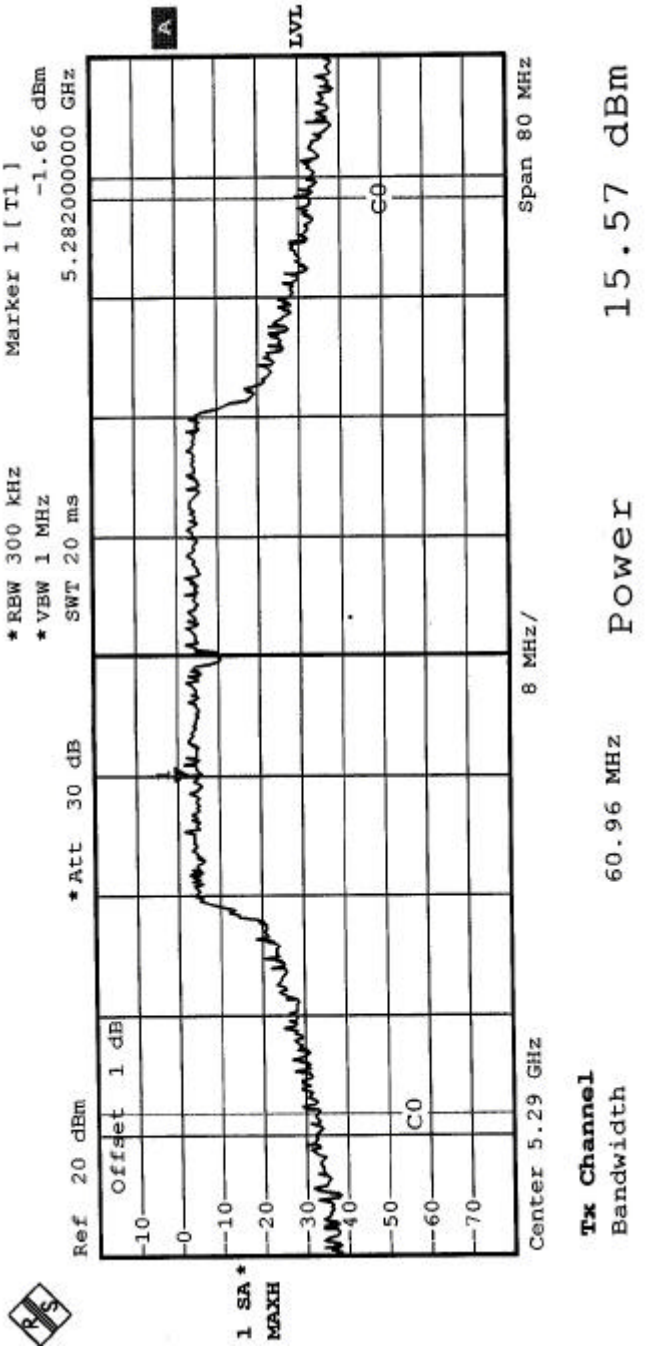
CHANNEL 1


Marker 1 [T1]
2.81 dBm
5.197360000 GHz
RBW 1 MHz
VBW 300 kHz
SWT 20 ms
Att 30 dB
Ref 20 dBm
Offset 1 dB
Center 5.21 GHz
8 MHz/
Span 80 MHz
Tx Channel
Bandwidth
59.84 MHz
Power
15.13 dBm
1 SA*
MAXH
LVL
A

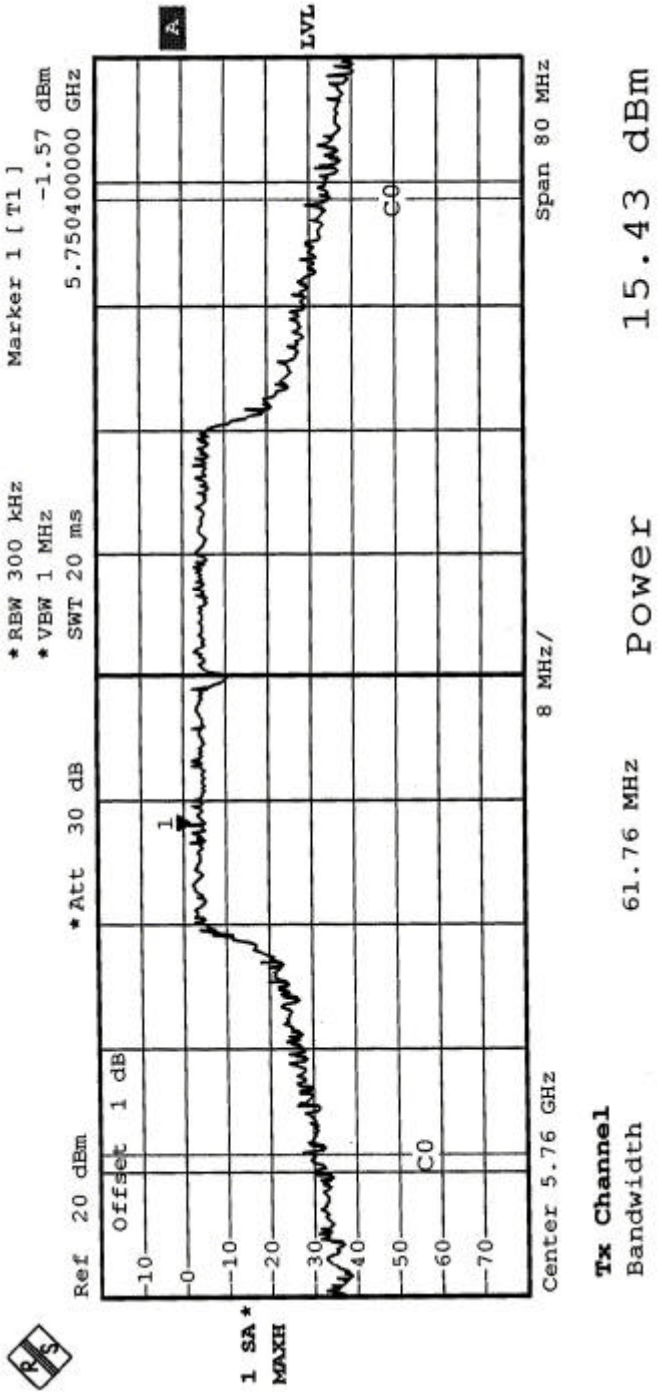
CHANNEL 2


Marker 1 [T1]
1.83 dBm
5.240400000 GHz
RBW 1 MHz
VBW 300 kHz
SWT 20 ms
Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.25 GHz
8 MHz/
Span 80 MHz
1 SA *
MAXH
LVL
Tx Channel
Bandwidth
57.6 MHz
Power
15.53 dBm

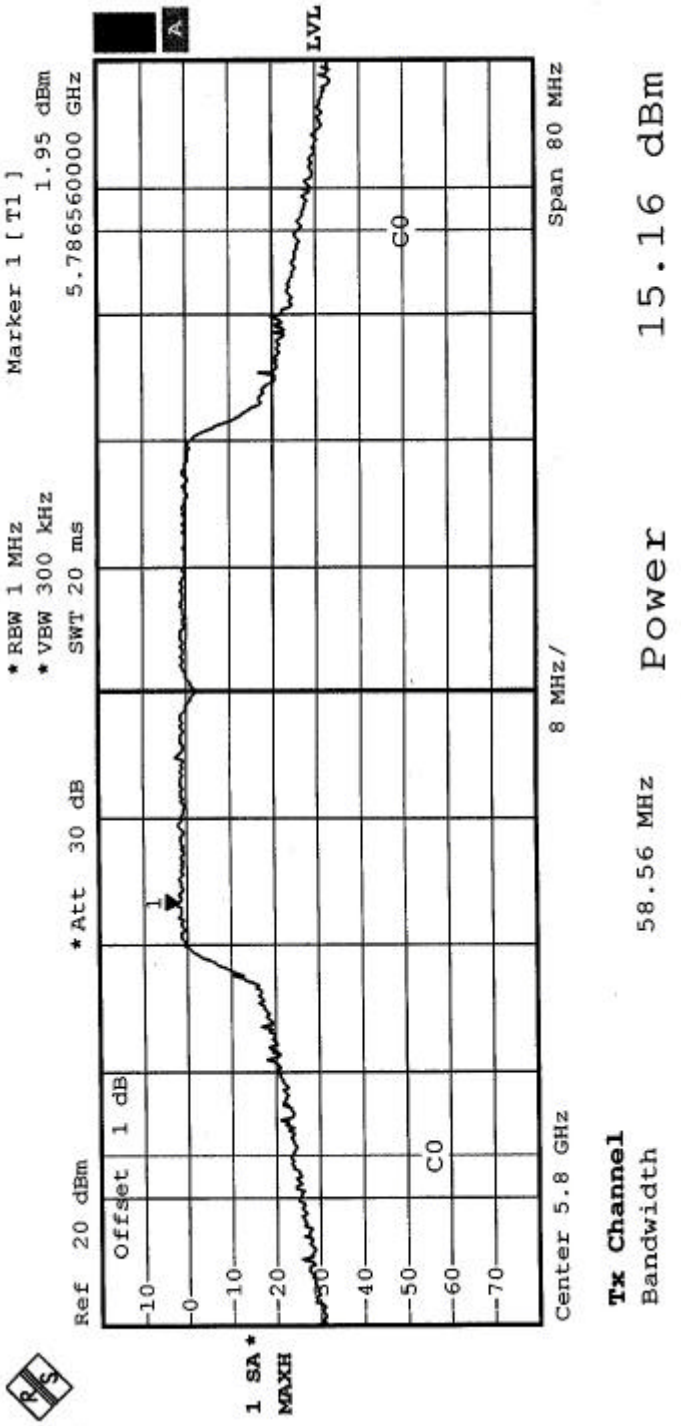
CHANNEL 3


Marker 1 [T1]
-1.66 dBm
5.282000000 GHz
*RBW 300 kHz
*VBW 1 MHz
SWT 20 ms
*Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.29 GHz
8 MHz/
Span 80 MHz
1 SA*
MAXH
Tx Channel
Bandwidth
60.96 MHz
Power
15.57 dBm

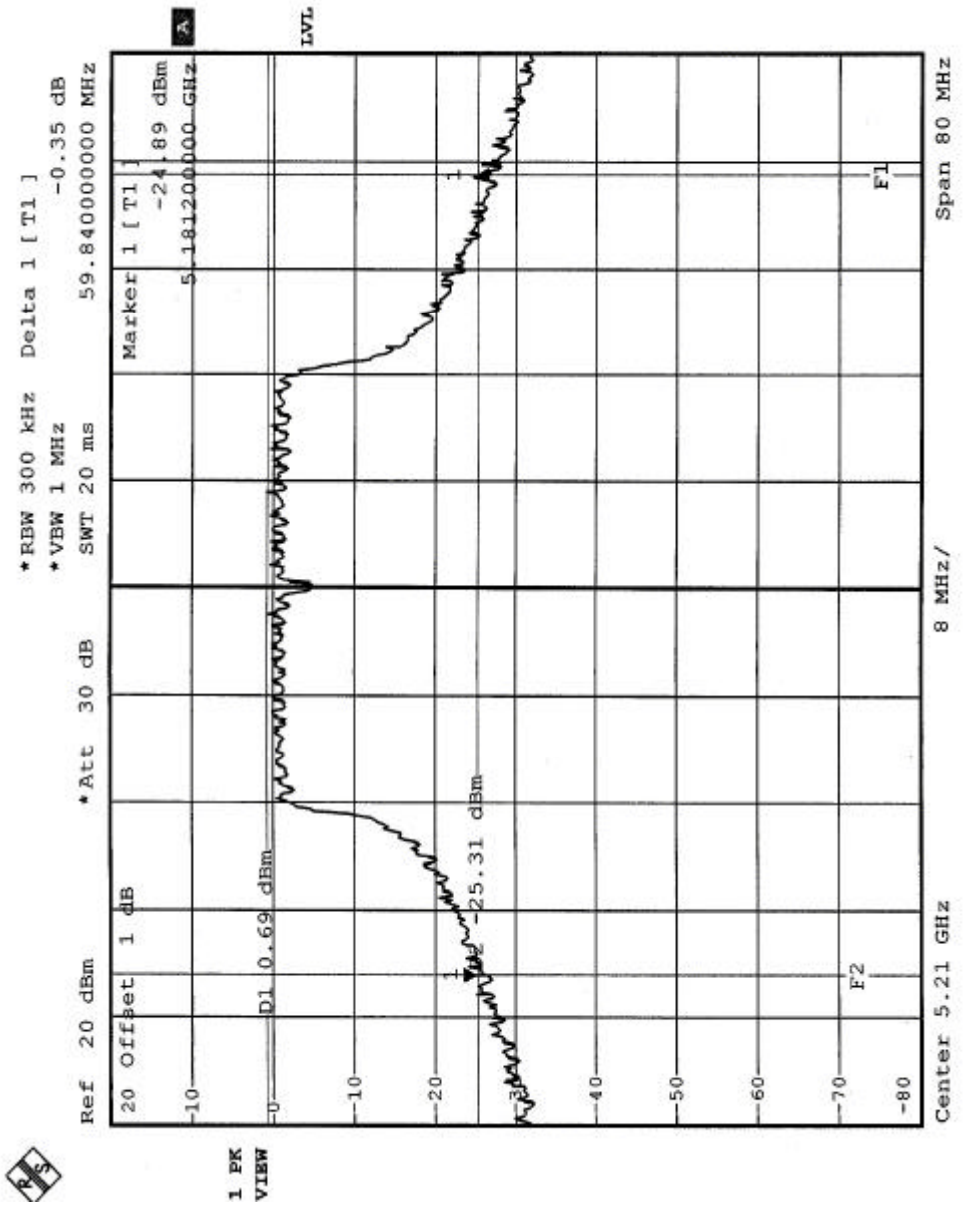
CHANNEL 4


Tx Channel
Bandwidth
61.76 MHz
Power
15.43 dBm
Ref 20 dBm
Offset 1 dB
*Att 30 dB
*RBW 300 kHz
*VBW 1 MHz
SWT 20 ms
Marker 1 [T1]
-1.57 dBm
5.750400000 GHz
Center 5.76 GHz
8 MHz/
Span 80 MHz
1 SA *
MAXH
LVL
A
C0

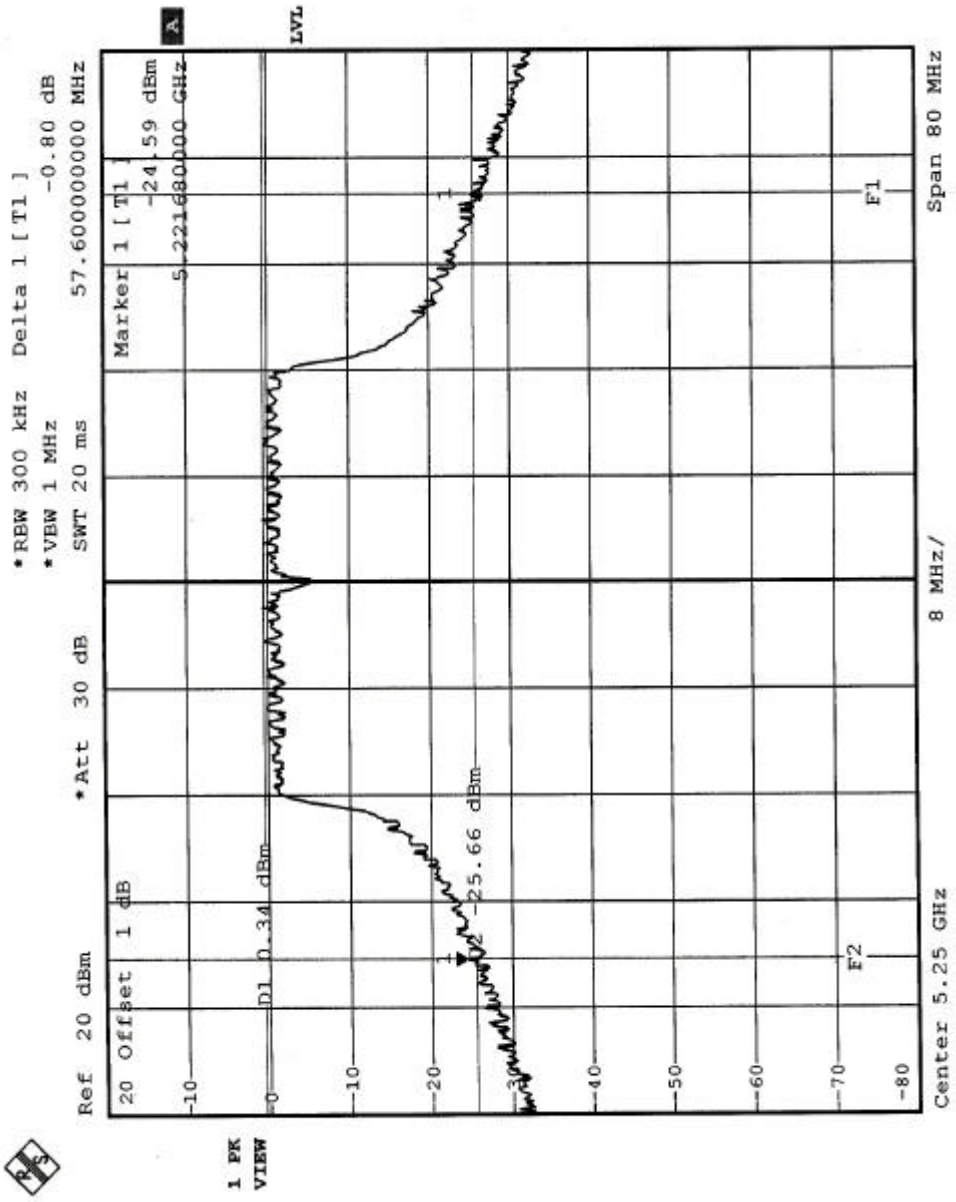
CHANNEL 5


Marker 1 [T1]
1.95 dBm
5.786560000 GHz
* RBW 1 MHz
* VBW 300 kHz
SWT 20 ms
* Att 30 dB
Offset 1 dB
Ref 20 dBm
Center 5.8 GHz
8 MHz/
Span 80 MHz
LVL
1 SA *
MAXH
Tx Channel
Bandwidth
58.56 MHz
Power
15.16 dBm

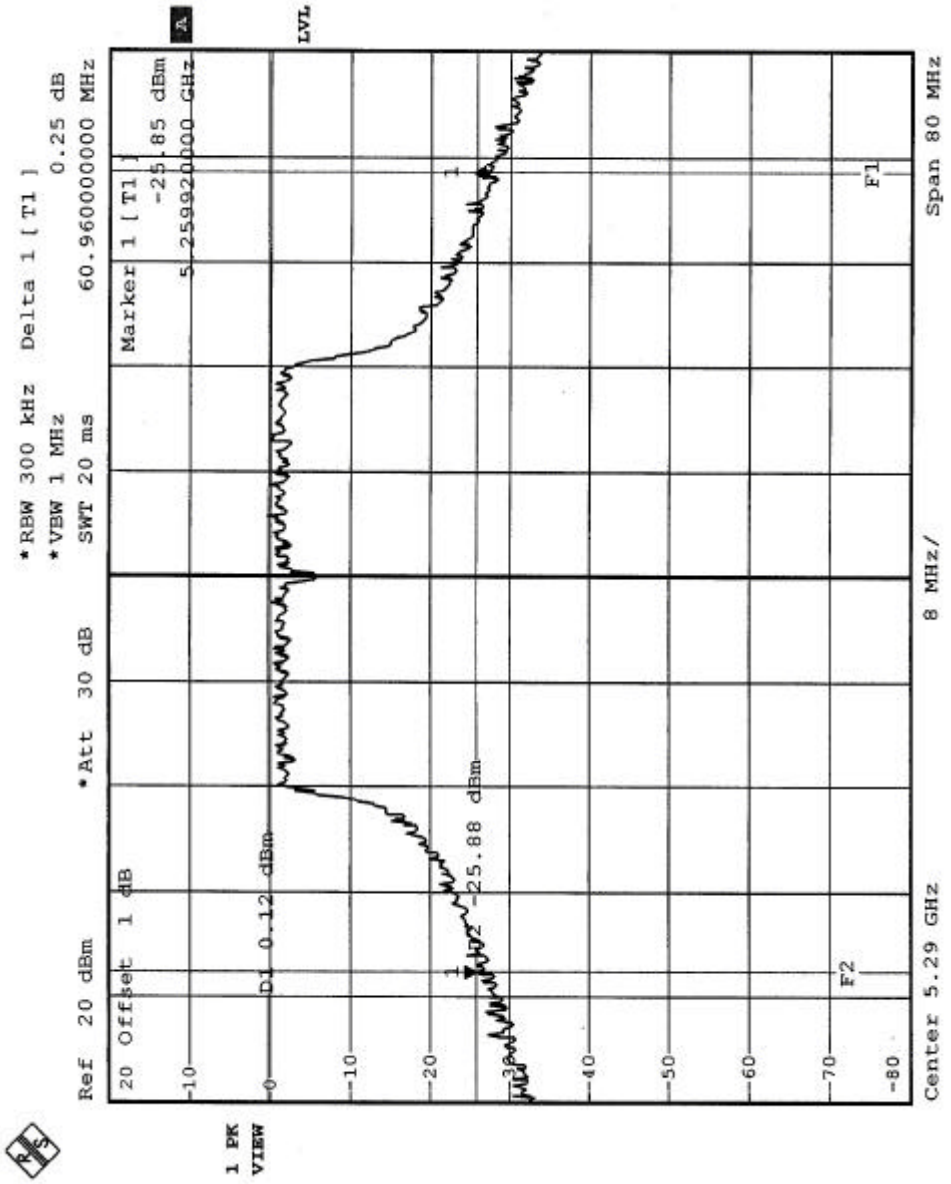
CHANNEL 1


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Att 30 dB
Offset 1 dB
Ref 20 dBm
Delta 1 [T1]
-0.35 dB
59.840000000 MHz
Marker 1 [T1]
-24.89 dBm
5.18120000 GHz
D1 0.69 dBm
-25.31 dBm
Center 5.21 GHz
8 MHz/
Span 80 MHz
F1
F2
1 PK
VIEW
LVL

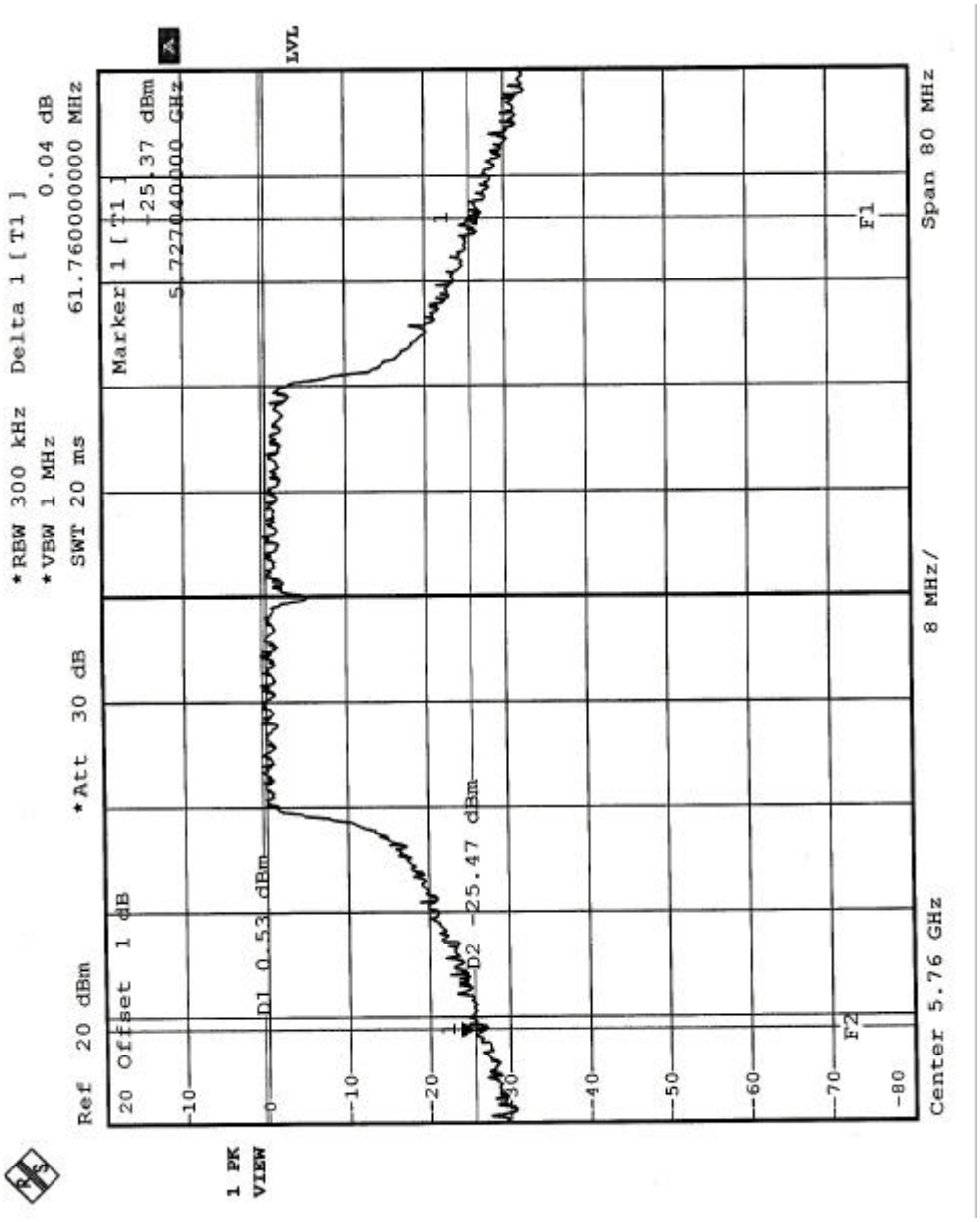
CHANNEL 2


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
-0.80 dB
57.600000000 MHz
Marker 1 [T1]
-24.59 dBm
5.221680000 GHz
Ref 20 dBm
20 Offset 1 dB
Att 30 dB
D1 0.34 dBm
25.66 dBm
Center 5.25 GHz
8 MHz/
Span 80 MHz
F1
F2
1 PK
VIEW
LVL
A

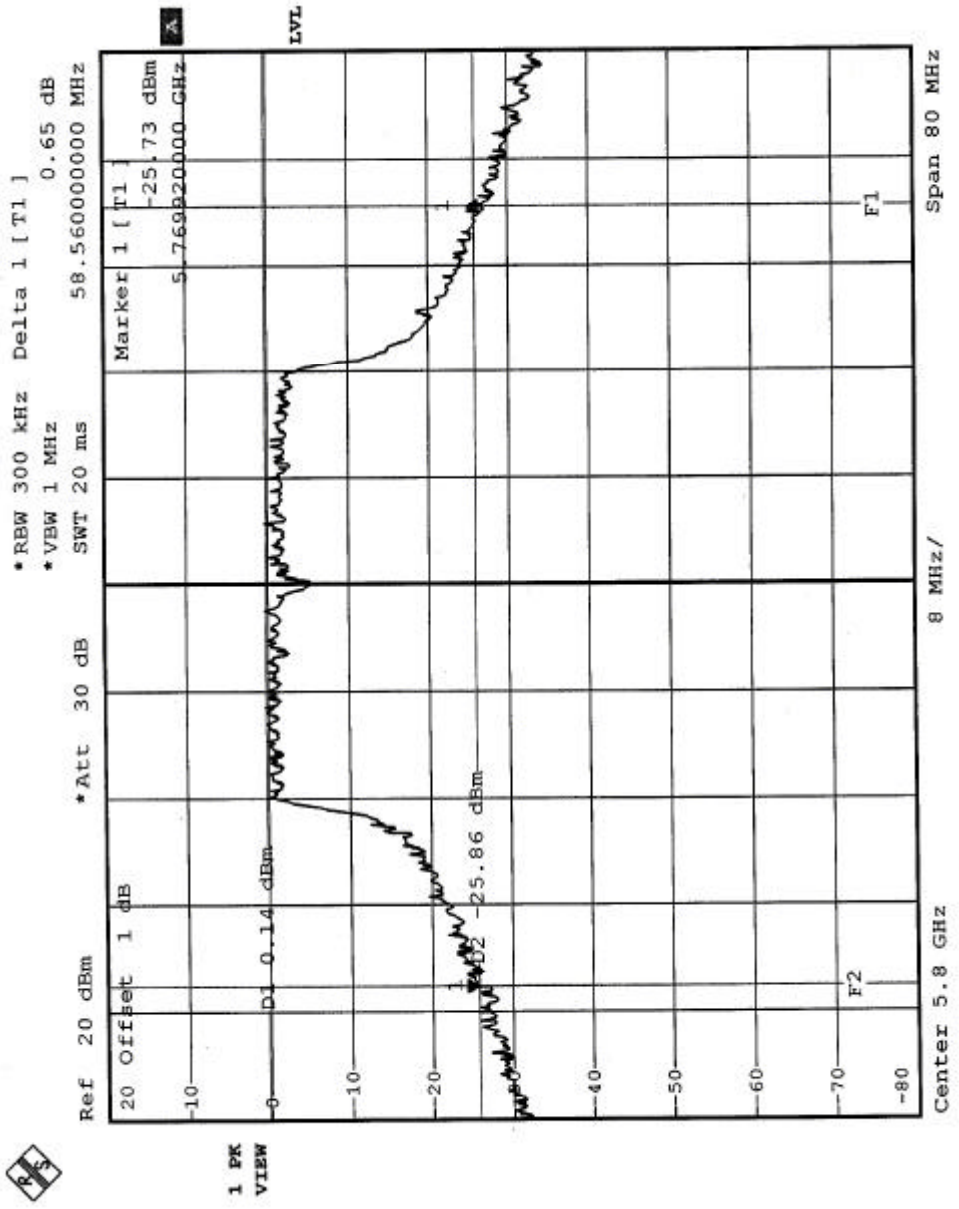
CHANNEL 3


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Att 30 dB
Offset 1 dB
Ref 20 dBm
Delta 1 [T1]
0.25 dB
60.960000000 MHz
Marker 1 [T1]
-25.85 dBm
5.259200000 GHz
D1 0.12 dBm
-25.88 dBm
Center 5.29 GHz
8 MHz/
Span 80 MHz
1 PK
VIEW
LVL
A
F1
F2

CHANNEL 4


*RBW 300 kHz
*VBW 1 MHz
SWT 20 ms
*Att 30 dB
Ref 20 dBm
20 Offset 1 dB
Delta 1 [T1]
0.04 dB
61.760000000 MHz
Marker 1 [T1]
+25.37 dBm
5.727040000 GHz
D1 0.53 dBm
D2 -25.47 dBm
F1
F2
LVL
1 PK
VIEW
Center 5.76 GHz
8 MHz/
Span 80 MHz

CHANNEL 5


RBW 300 kHz
VBW 1 MHz
SWT 20 ms
Delta 1 [T1]
0.65 dB
58.56000000 MHz
Marker 1 [T1]
-25.73 dBm
5.76920000 GHz
Ref 20 dBm
20 Offset 1 dB
Att 30 dB
D1 0.14 dBm
D2 -25.86 dBm
F1
F2
Span 80 MHz
8 MHz/
Center 5.8 GHz
1 PK
VIEW
LVL

5.4 PEAK POWER EXCURSION MEASUREMENT

5.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	13dB
5.25 – 5.35 GHz	13dB
5.725 – 5.825 GHz	13dB

5.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP30	100019	Dec. 19, 2003

NOTE:
The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.