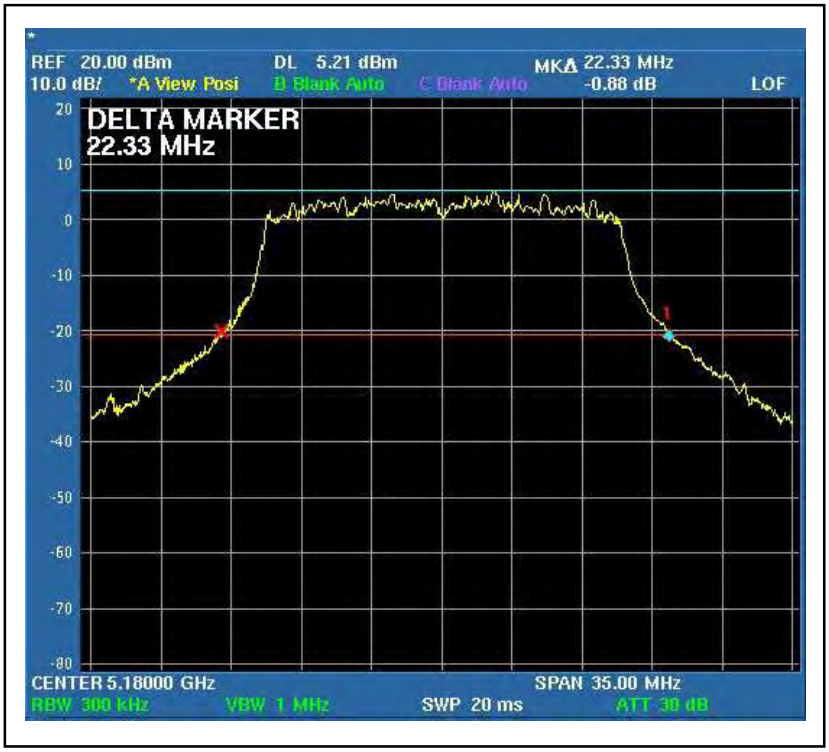
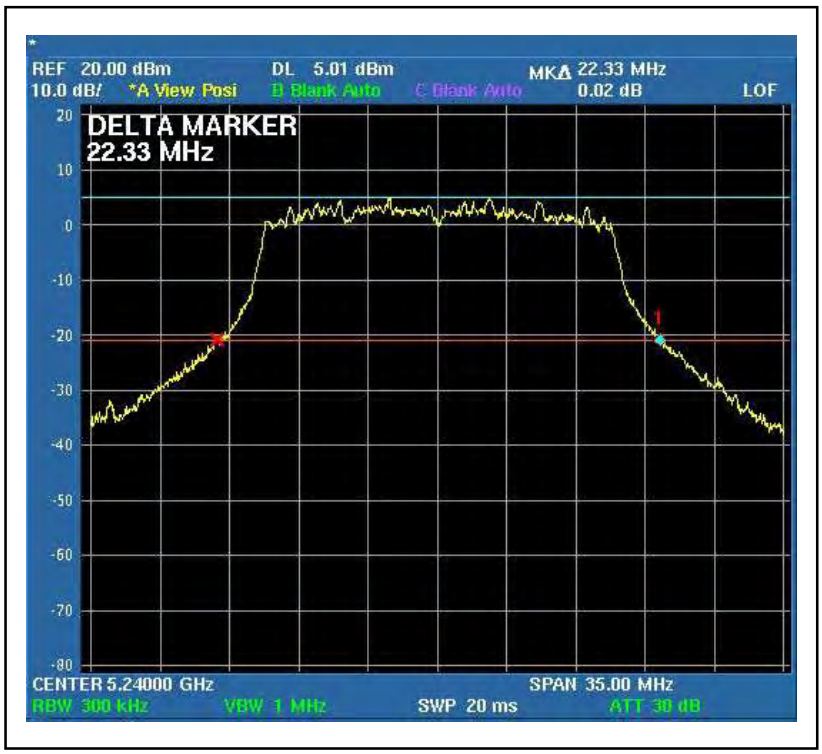
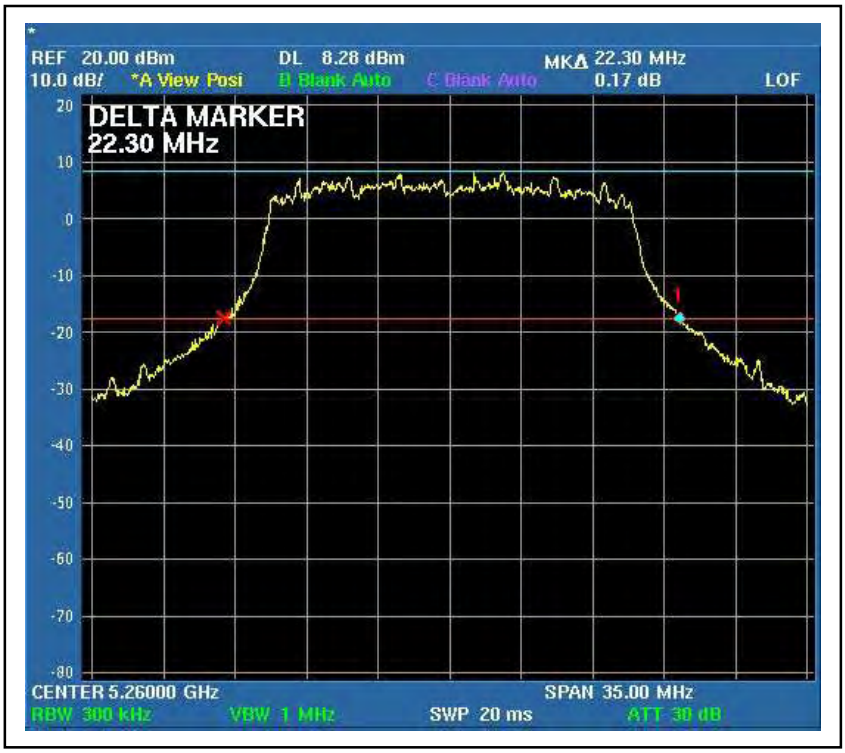
26dB Occupied Bandwidth:
For Chain (0) :CH1



CH4



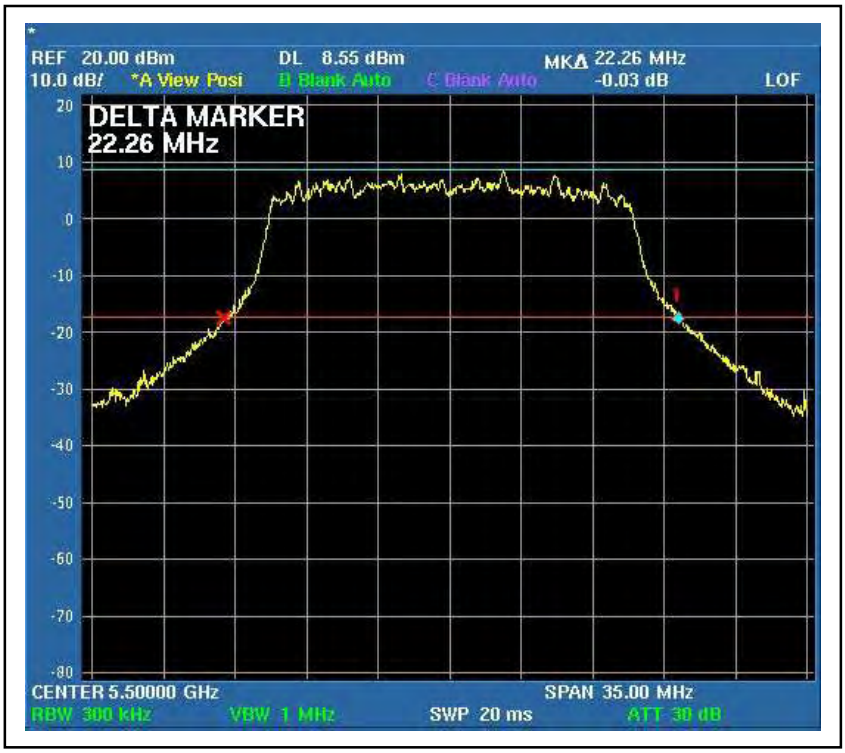
CH5


REF 20.00 dBm
DL 8.28 dBm
MKΔ 22.30 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.17 dB
LOF
DELTA MARKER
22.30 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.26000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH8


REF 20.00 dBm
DL 7.80 dBm
MKΔ 22.54 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.06 dB
LOF
DELTA MARKER
22.54 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.32000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

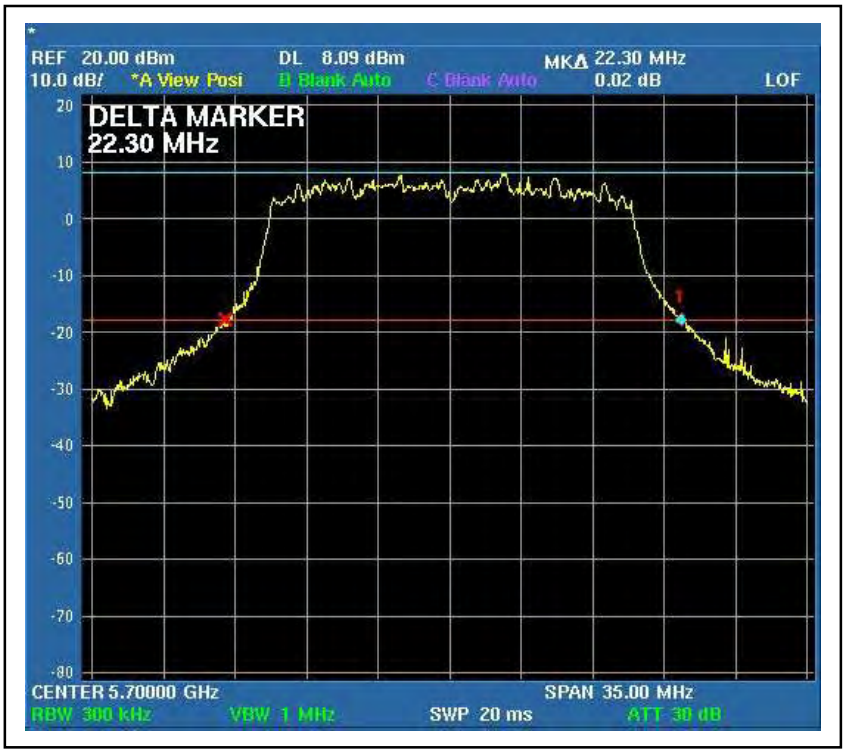
CH9


REF 20.00 dBm
DL 8.55 dBm
MKΔ 22.26 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.03 dB
LOF
DELTA MARKER
22.26 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.50000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

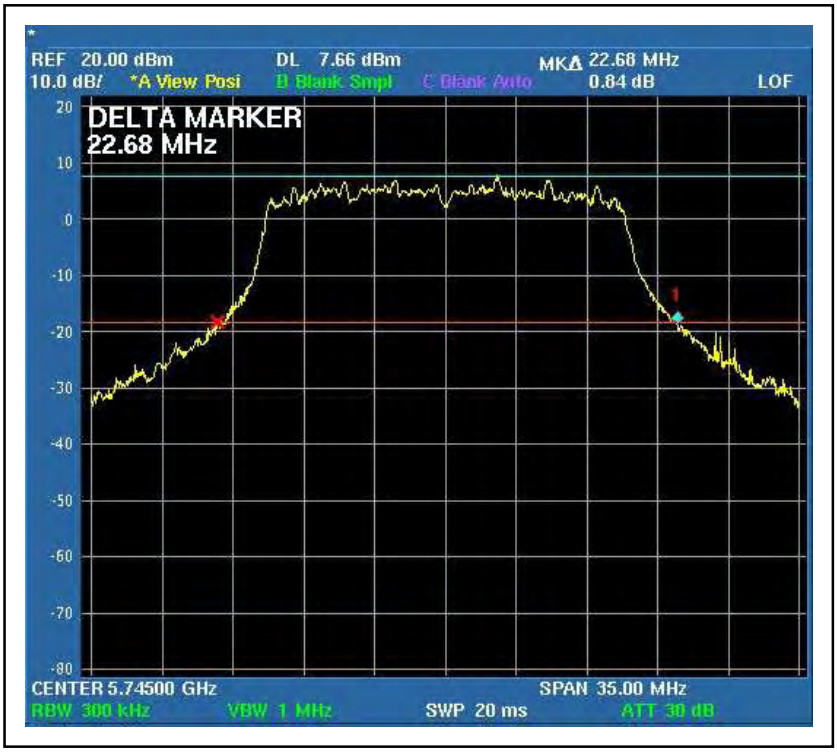
CH14


REF 20.00 dBm
DL 7.78 dBm
MKΔ 22.33 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.74 dB
LOF
DELTA MARKER
22.33 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.60000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH19


REF 20.00 dBm
DL 8.09 dBm
MKΔ 22.30 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.02 dB
LOF
DELTA MARKER
22.30 MHz
CENTER 5.70000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

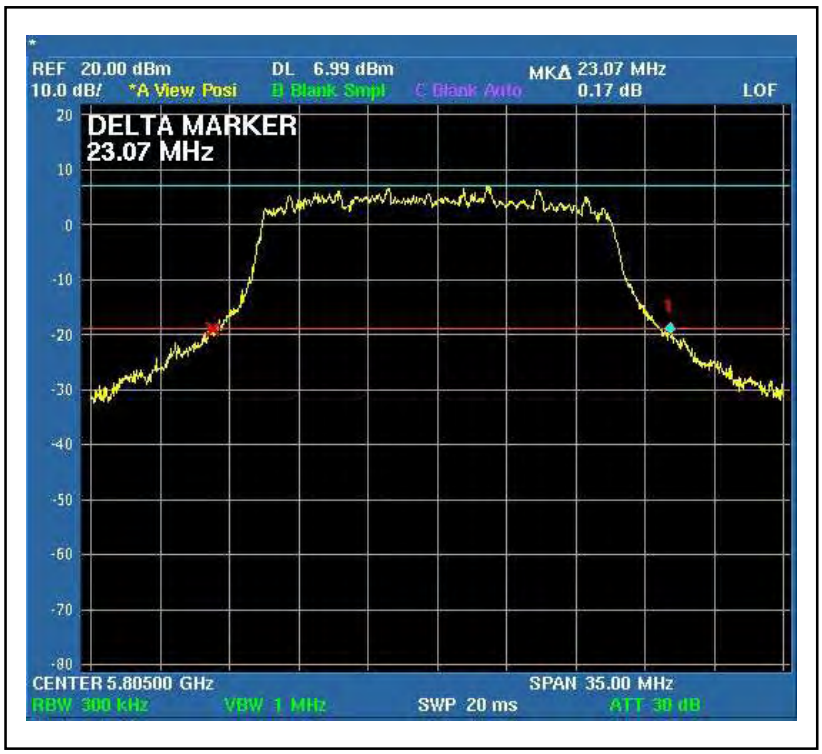
CH20


REF 20.00 dBm
DL 7.66 dBm
MKΔ 22.68 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.84 dB
LOF
DELTA MARKER
22.68 MHz
CENTER 5.74500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

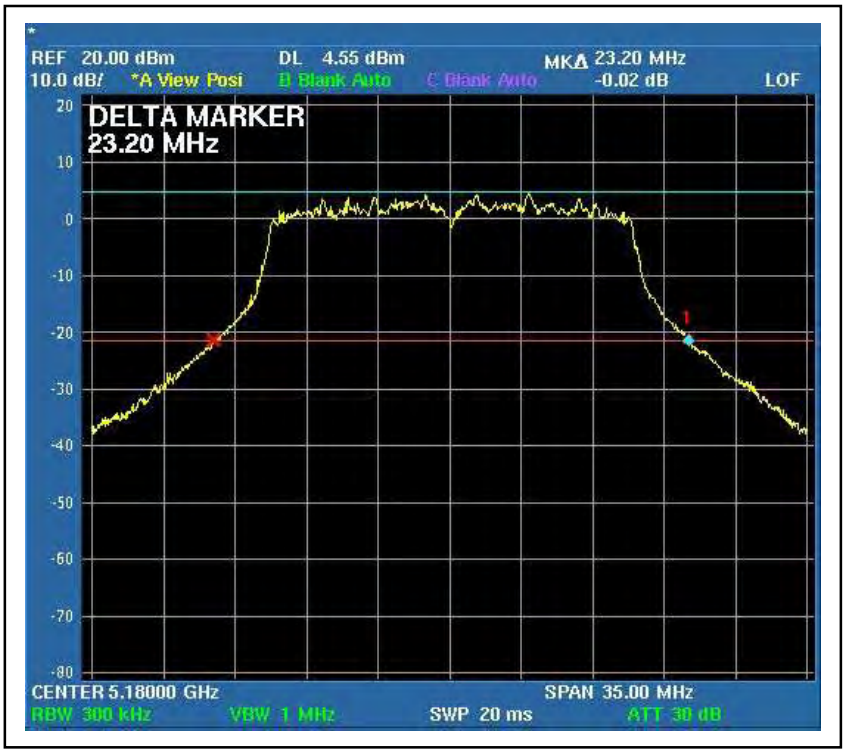
CH22


REF 20.00 dBm
DL 7.00 dBm
MKΔ 23.03 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
-0.70 dB
LOF
DELTA MARKER
23.03 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.78500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

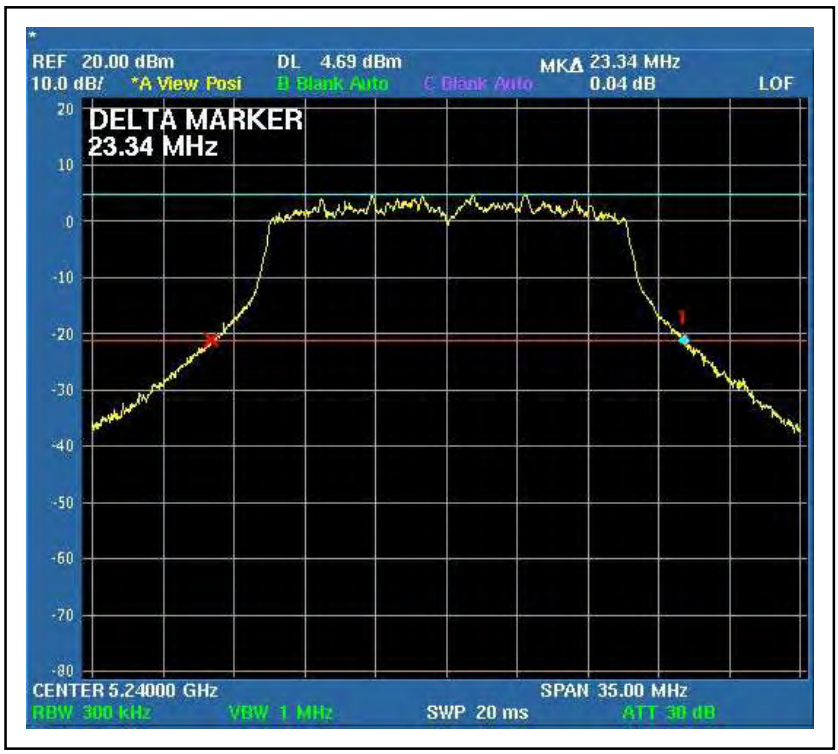
CH23


REF 20.00 dBm
DL 6.99 dBm
MKΔ 23.07 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.17 dB
LOF
DELTA MARKER
23.07 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.80500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

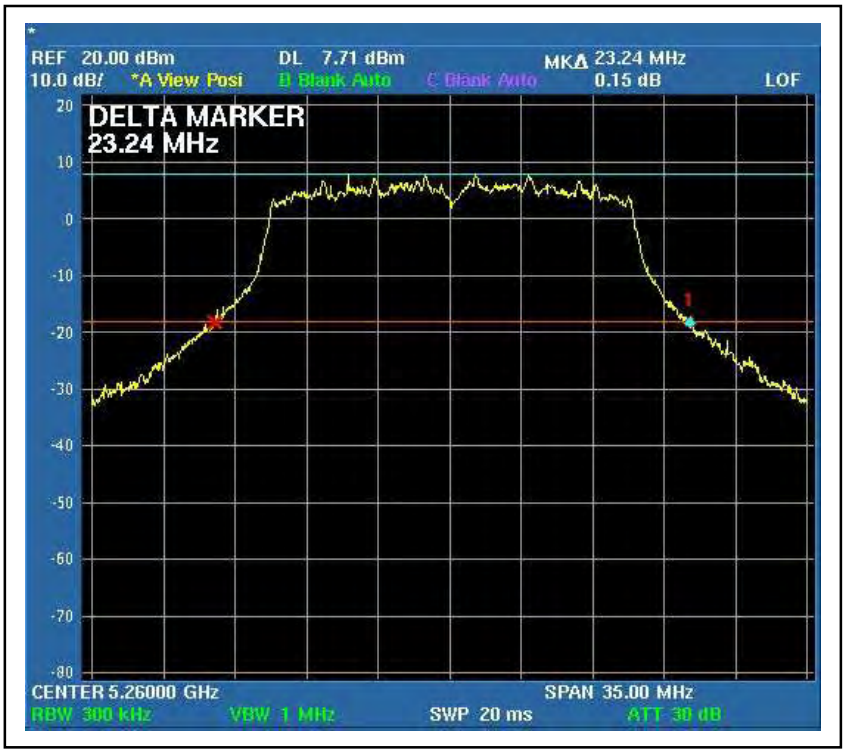
For Chain (1) :CH1



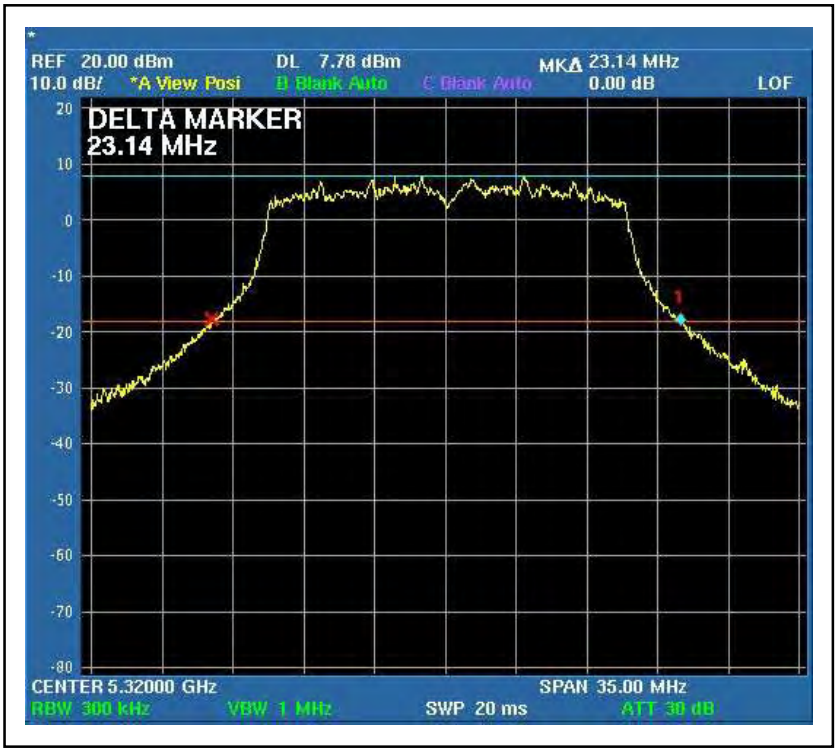
CH4



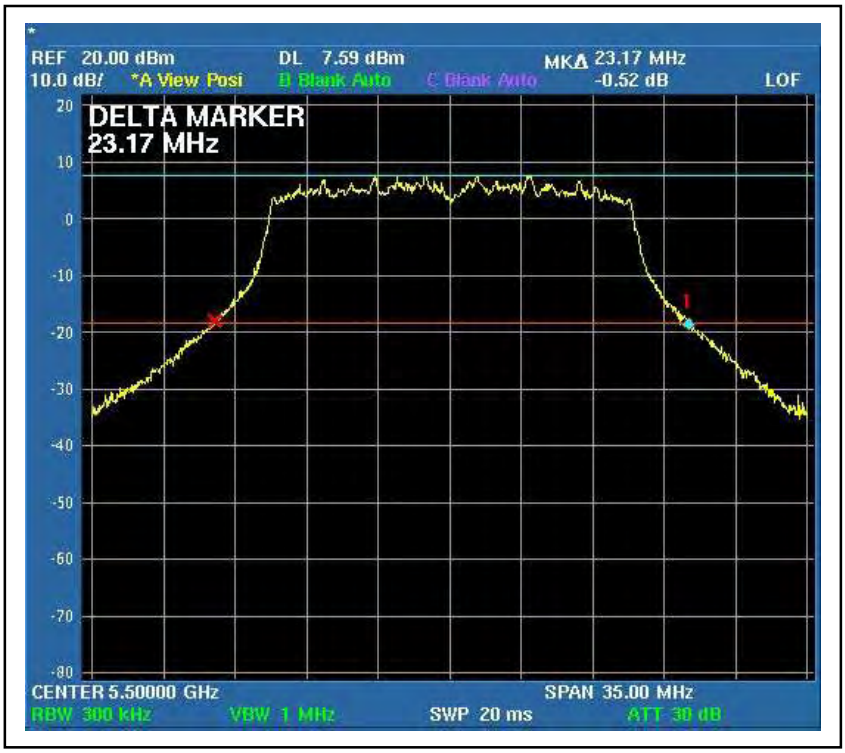
CH5


REF 20.00 dBm
DL 7.71 dBm
MKΔ 23.24 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.15 dB
LOF
DELTA MARKER
23.24 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.26000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

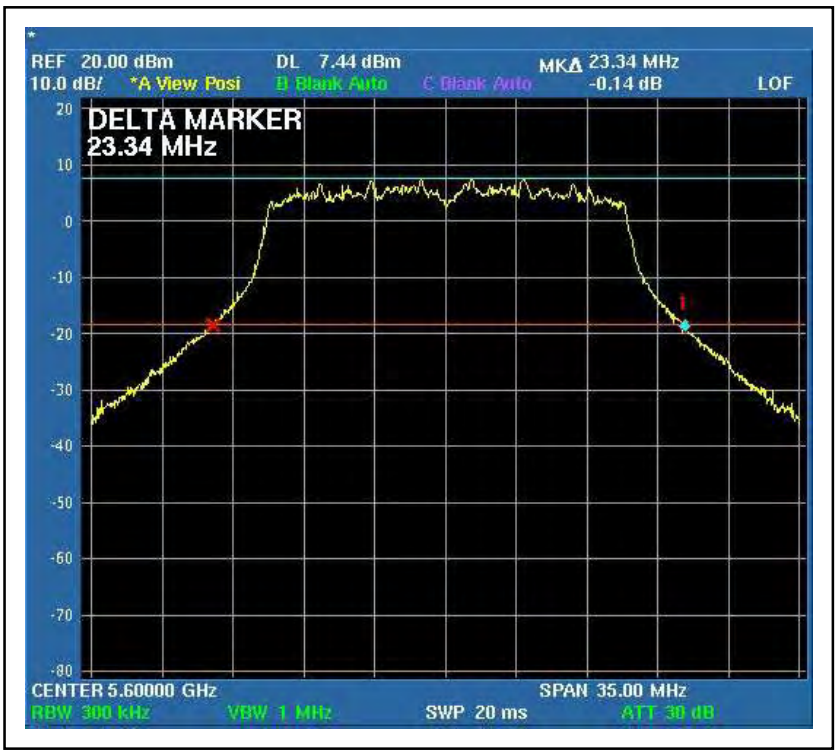
CH8


REF 20.00 dBm
DL 7.78 dBm
MKΔ 23.14 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.00 dB
LOF
DELTA MARKER
23.14 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.32000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

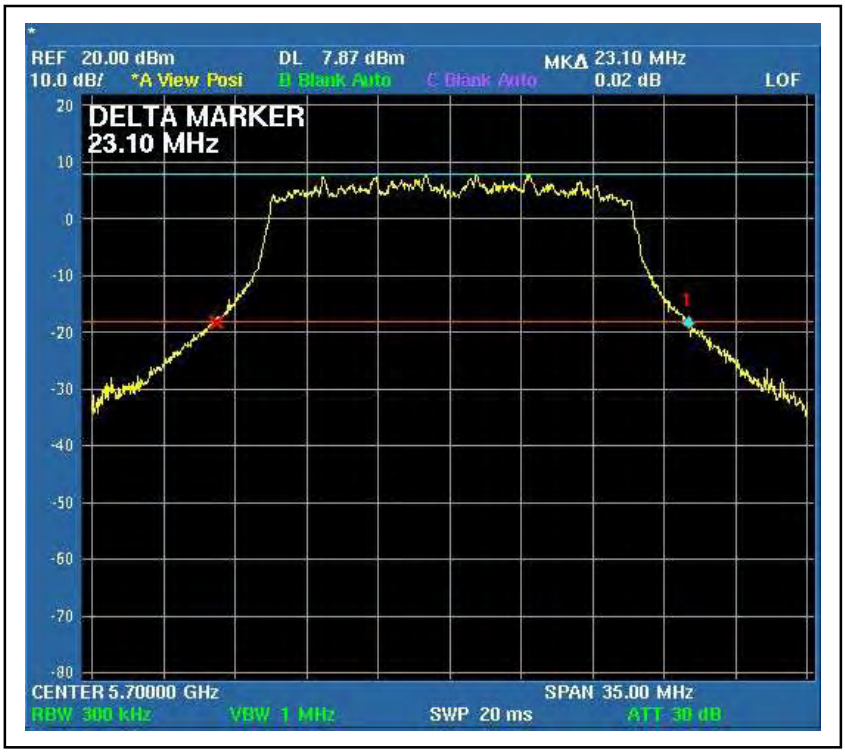
CH9


REF 20.00 dBm
DL 7.59 dBm
MKΔ 23.17 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.52 dB
LOF
DELTA MARKER
23.17 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.50000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

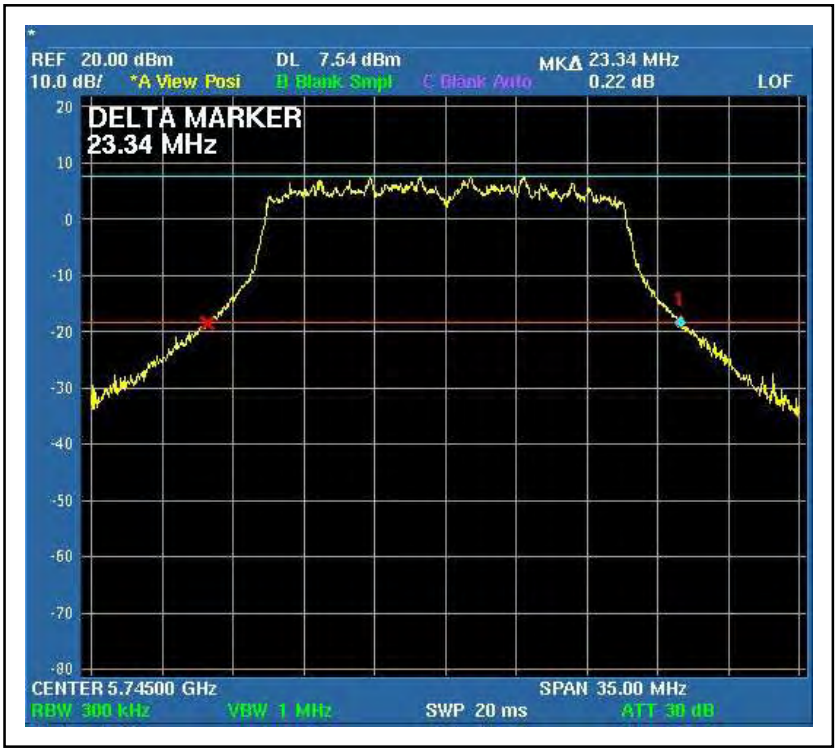
CH14


REF 20.00 dBm
DL 7.44 dBm
MKΔ 23.34 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.14 dB
LOF
DELTA MARKER
23.34 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.60000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

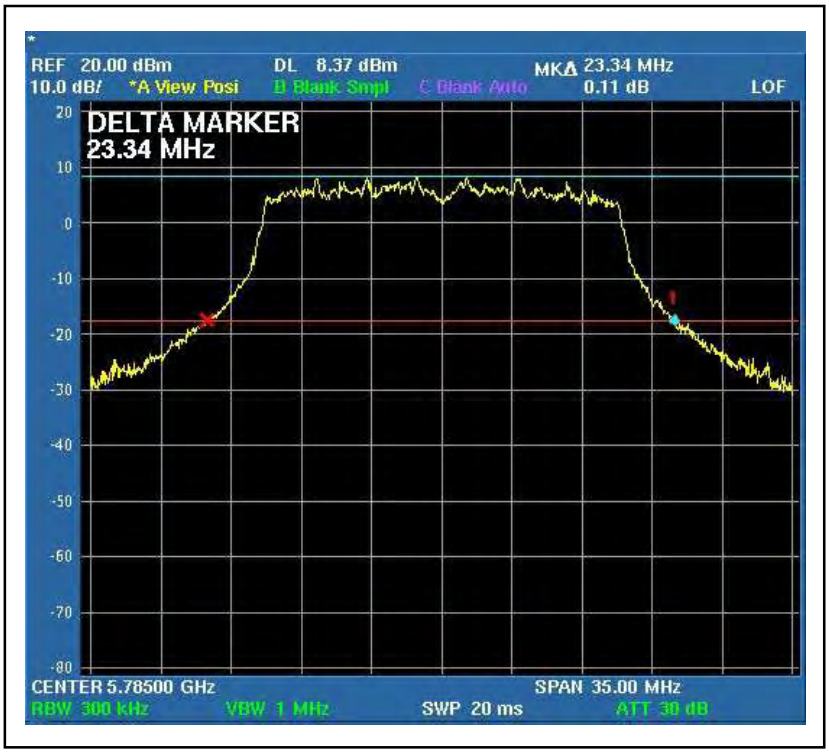
CH19


REF 20.00 dBm
DL 7.87 dBm
MKΔ 23.10 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.02 dB
LOF
DELTA MARKER
23.10 MHz
CENTER 5.70000 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

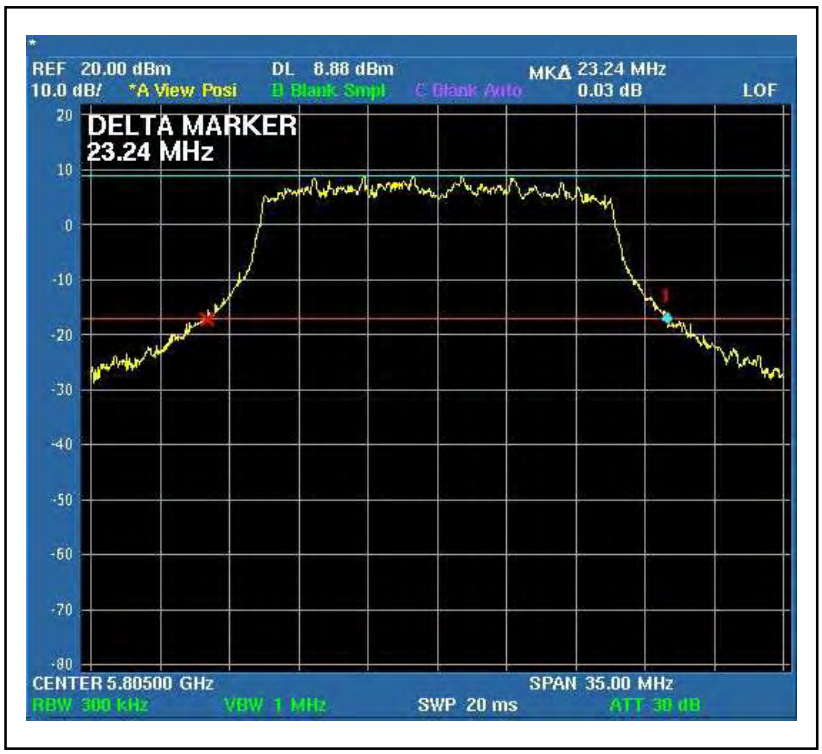
CH20


REF 20.00 dBm
DL 7.54 dBm
MKΔ 23.34 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.22 dB
LOF
DELTA MARKER
23.34 MHz
CENTER 5.74500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH22


REF 20.00 dBm
DL 8.37 dBm
MKΔ 23.34 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.11 dB
LOF
DELTA MARKER
23.34 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.78500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH23


REF 20.00 dBm
DL 8.88 dBm
MKΔ 23.24 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.03 dB
LOF
DELTA MARKER
23.24 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.80500 GHz
SPAN 35.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

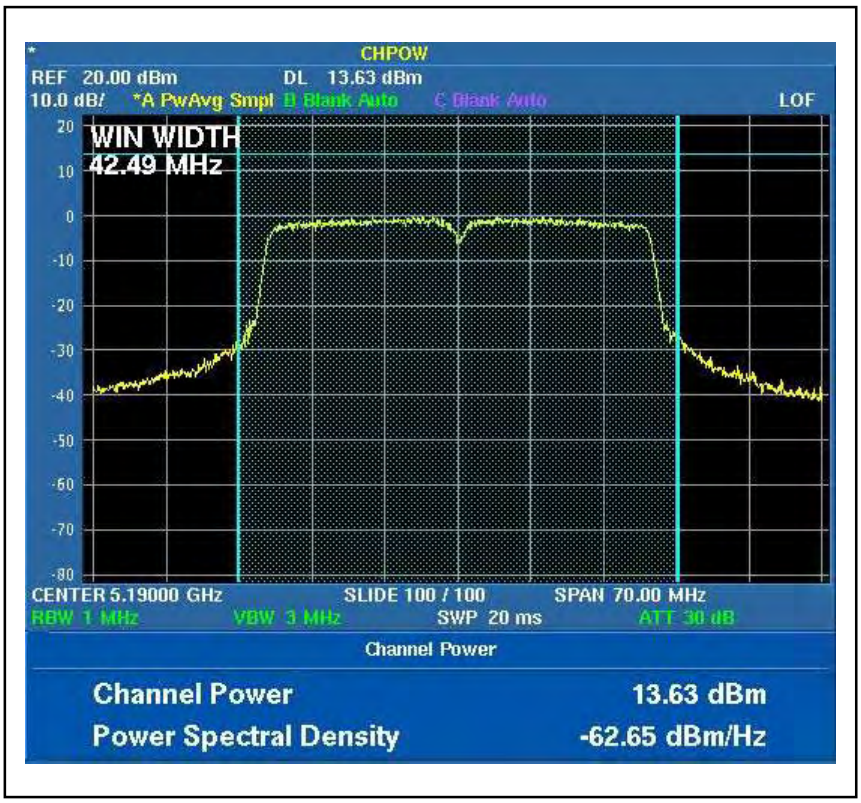
DRAFT 802.11n (40MHz) OFDM MODULATION:

MODULATION TYPE	BPSK	**TRANSFER RATE**	27Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	**ENVIRONMENTAL CONDITIONS**	20deg.C, 60%RH, 971hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER OUTPUT (dBm)		PEAK POWER OUTPUT (mW)		TOTAL PEAK POWER (dBm)	TOTAL PEAK POWER (mW)	**PEAK POWER LIMIT (dBm)**	26dBc Occupied Bandwidth (MHz)		PASS/ FAIL
		Chain 0	Chain 1	Chain 0	Chain 1				Chain 0	Chain 1	
1	5190	13.63	12.52	23.067	17.865	16.12	40.932	17.00	42.49	44.87	PASS
2	5230	14.23	13.38	26.485	21.777	16.84	48.262	17.00	42.49	43.75	PASS
3	5270	13.90	13.38	24.547	21.777	16.66	46.324	24.00	42.56	44.38	PASS
4	5310	13.80	13.36	23.988	21.677	16.60	45.665	24.00	43.61	44.66	PASS
5	5510	14.06	13.57	25.468	22.751	16.83	48.219	24.00	51.45	43.96	PASS
7	5590	12.80	13.69	19.055	23.388	16.28	42.443	24.00	44.38	49.42	PASS
9	5670	13.58	14.20	22.803	26.303	16.91	49.106	24.00	50.68	50.33	PASS
10	5755	13.06	13.65	20.230	23.174	16.38	43.404	30.00	42.84	43.4	PASS
12	5795	12.88	14.44	19.409	27.797	16.74	47.206	30.00	50.26	50.05	PASS

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

Peak Power Output:
For Chain (0) **:**CH1



CH2

CH3


CHPOW
REF 20.00 dBm
DL 13.90 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
42.56 MHz
CENTER 5.27000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.90 dBm
Power Spectral Density -62.39 dBm/Hz

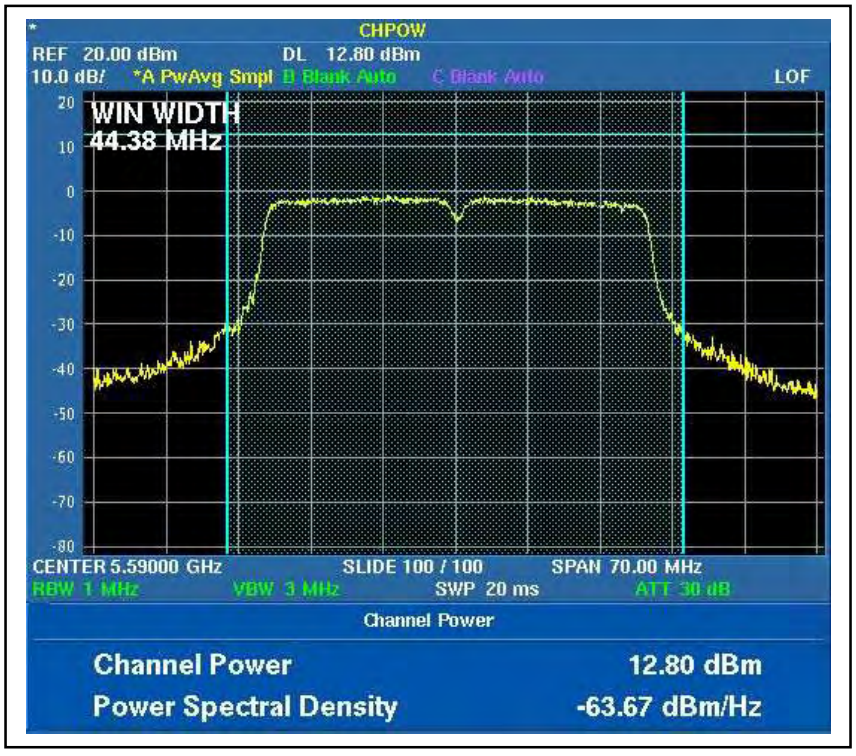
CH4


CHPOW
REF 20.00 dBm
DL 13.80 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
43.61 MHz
CENTER 5.31000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.80 dBm
Power Spectral Density -62.60 dBm/Hz

CH5


CHPOW
REF 20.00 dBm
DL 14.06 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
51.45 MHz
CENTER 5.51000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 14.06 dBm
Power Spectral Density -63.06 dBm/Hz

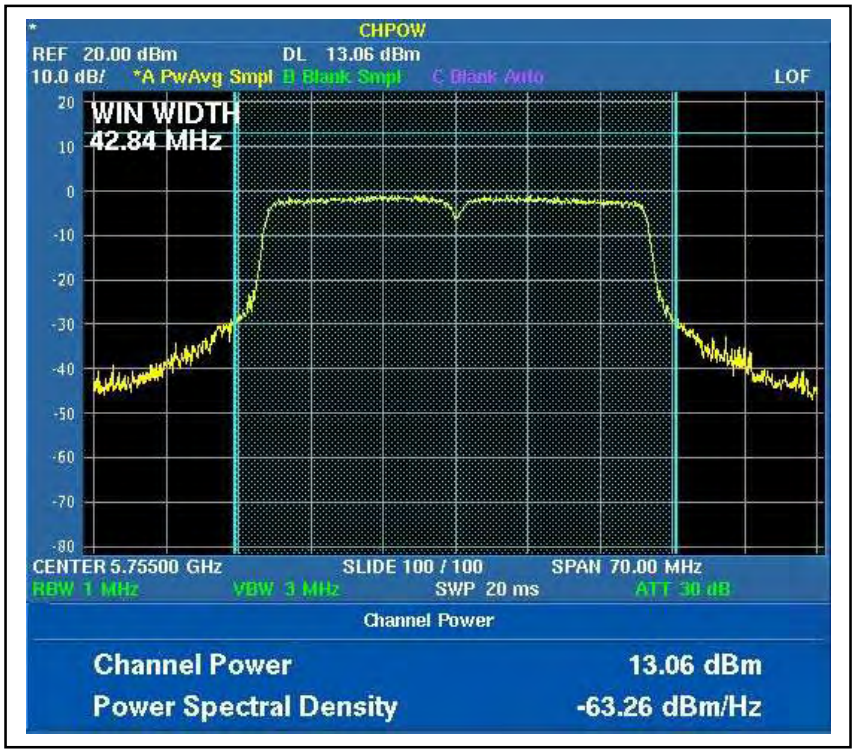
CH7


CHPOW
REF 20.00 dBm
DL 12.80 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
44.38 MHz
CENTER 5.59000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 12.80 dBm
Power Spectral Density -63.67 dBm/Hz

CH9


CHPOW
REF 20.00 dBm
DL 13.58 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
50.68 MHz
CENTER 5.67000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.58 dBm
Power Spectral Density -63.47 dBm/Hz

CH10


CHPOW
REF 20.00 dBm
DL 13.06 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Smpl
C Blank Auto
LOF
WIN WIDTH
42.84 MHz
CENTER 5.75500 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.06 dBm
Power Spectral Density -63.26 dBm/Hz

CH12


CHPOW
REF 20.00 dBm
DL 12.88 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Smpl
C Blank Auto
LOF
WIN WIDTH
50.26 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.79500 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 12.88 dBm
Power Spectral Density -64.13 dBm/Hz

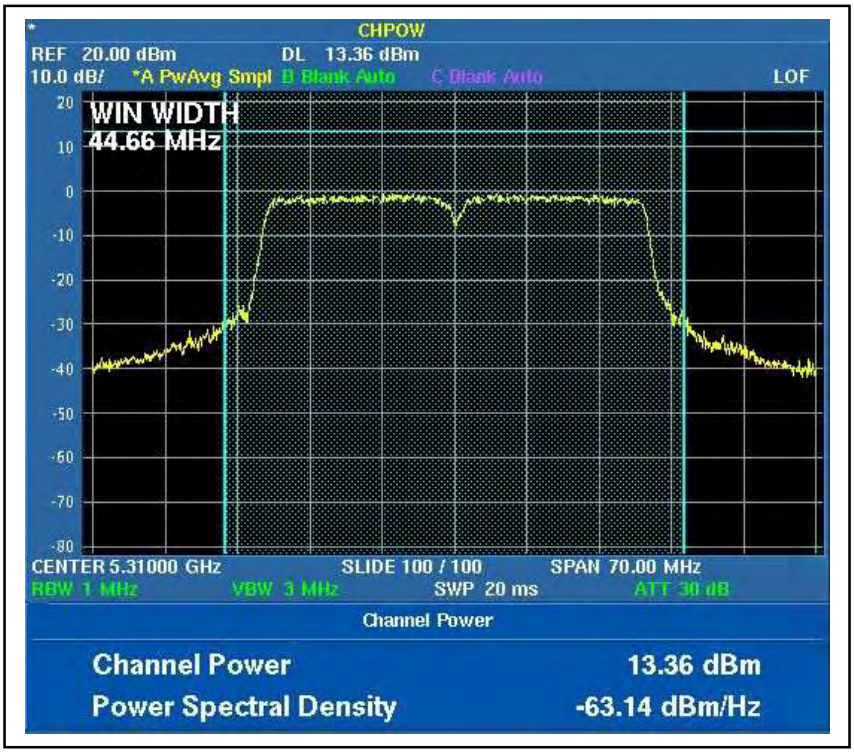
For Chain (1) **:**CH1

CH2

CH3


CHPOW
REF 20.00 dBm
DL 13.38 dBm
MKR 5.28407 GHz
10.0 dB/ *A PwAvg Smpl B Blank Auto C Blank Auto -2.44 dBm LOF
WIN WIDTH
44.38 MHz
CENTER 5.27000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.38 dBm
Power Spectral Density -63.09 dBm/Hz

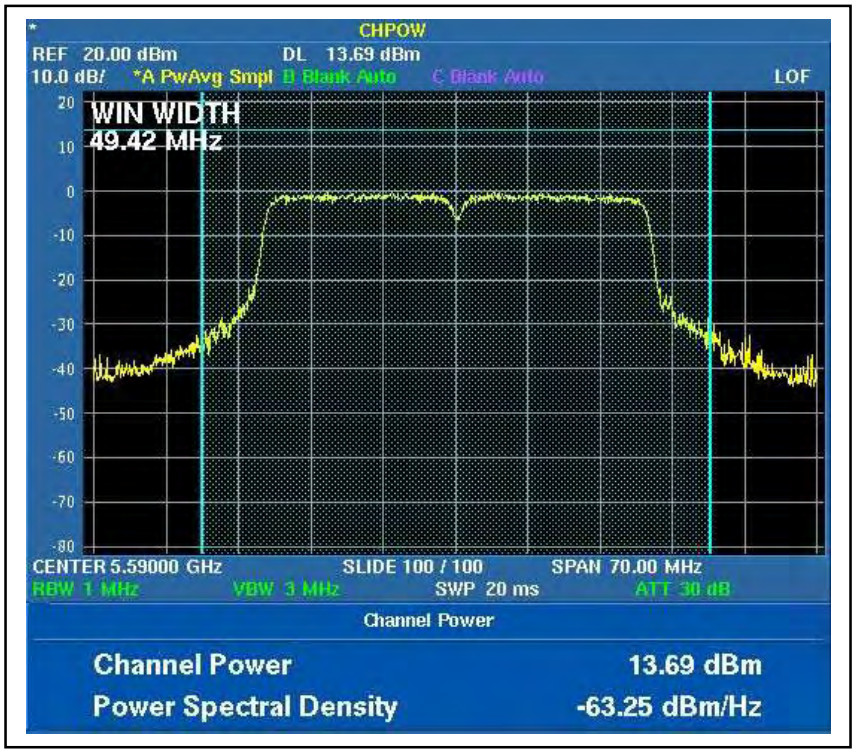
CH4


CHPOW
REF 20.00 dBm
DL 13.36 dBm
10.0 dB/ *A PwAvg Smpl B Blank Auto C Blank Auto LOF
WIN WIDTH
44.66 MHz
CENTER 5.31000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.36 dBm
Power Spectral Density -63.14 dBm/Hz

CH5


CHPOW
REF 20.00 dBm
DL 13.57 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
43.96 MHz
CENTER 5.51000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.57 dBm
Power Spectral Density -62.86 dBm/Hz

CH7


CHPOW
REF 20.00 dBm
DL 13.69 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Auto
C Blank Auto
LOF
WIN WIDTH
49.42 MHz
CENTER 5.59000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.69 dBm
Power Spectral Density -63.25 dBm/Hz

CH9


CHPOW
REF 20.00 dBm
DL 14.20 dBm
10.0 dB/
*A PwAvg Smpl B Blank Auto C Blank Auto
LOF
WIN WIDTH
50.33 MHz
CENTER 5.67000 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 14.20 dBm
Power Spectral Density -62.81 dBm/Hz

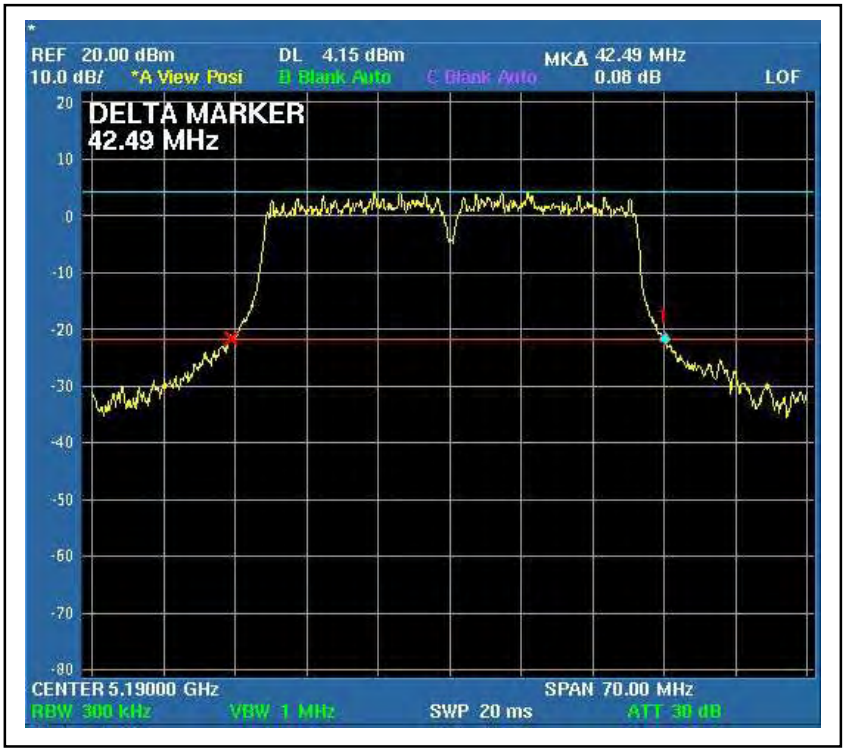
CH10


CHPOW
REF 20.00 dBm
DL 13.65 dBm
10.0 dB/
*A PwAvg Smpl B Blank Smpl C Blank Auto
LOF
WIN WIDTH
43.40 MHz
CENTER 5.75500 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power 13.65 dBm
Power Spectral Density -62.72 dBm/Hz

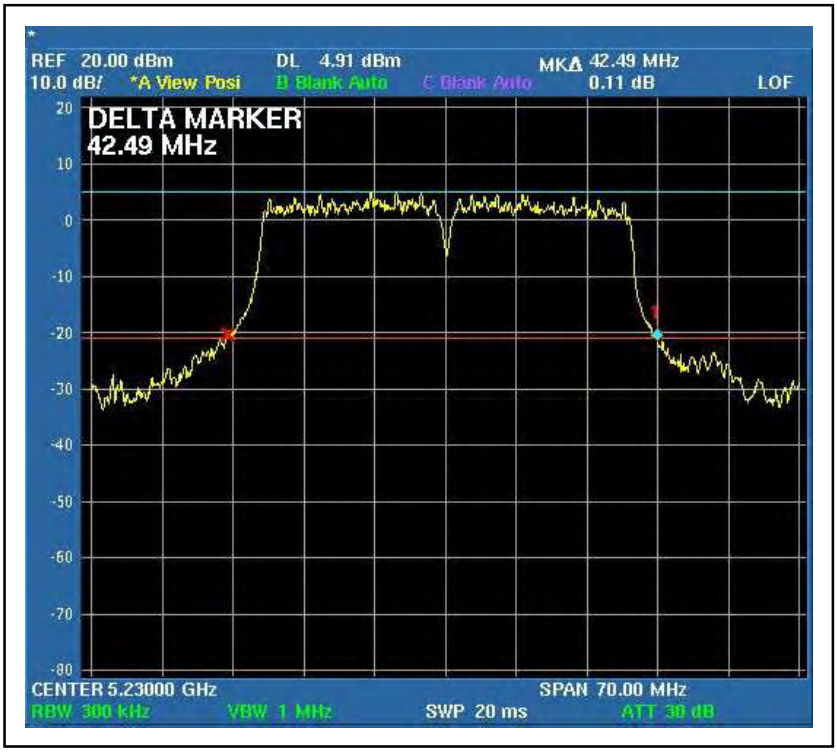
CH12


CHPOW
REF 20.00 dBm
DL 14.44 dBm
10.0 dB/
*A PwAvg Smpl
B Blank Smpl
C Blank Auto
LOF
WIN WIDTH
50.05 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.79500 GHz
SLIDE 100 / 100
SPAN 70.00 MHz
RBW 1 MHz
VBW 3 MHz
SWP 20 ms
ATT 30 dB
Channel Power
Channel Power
14.44 dBm
Power Spectral Density
-62.55 dBm/Hz

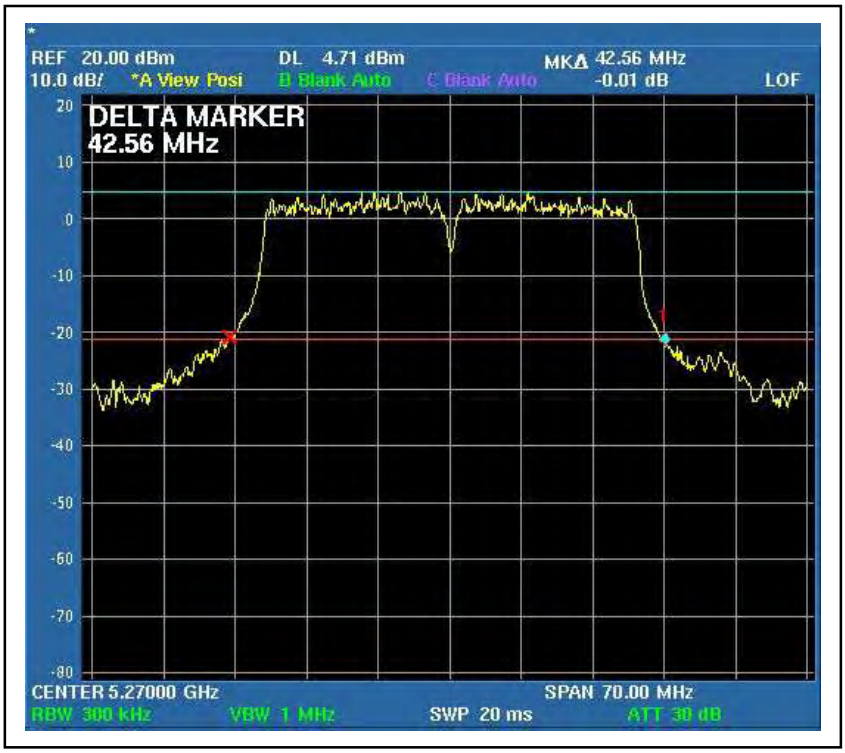
26dB Occupied Bandwidth:
For Chain (0) :CH1



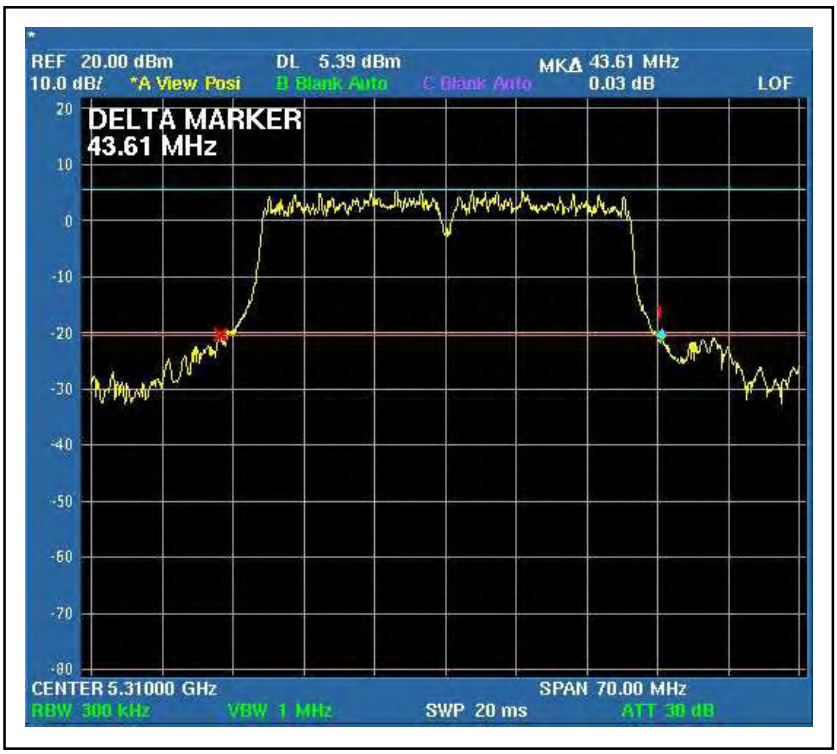
CH2



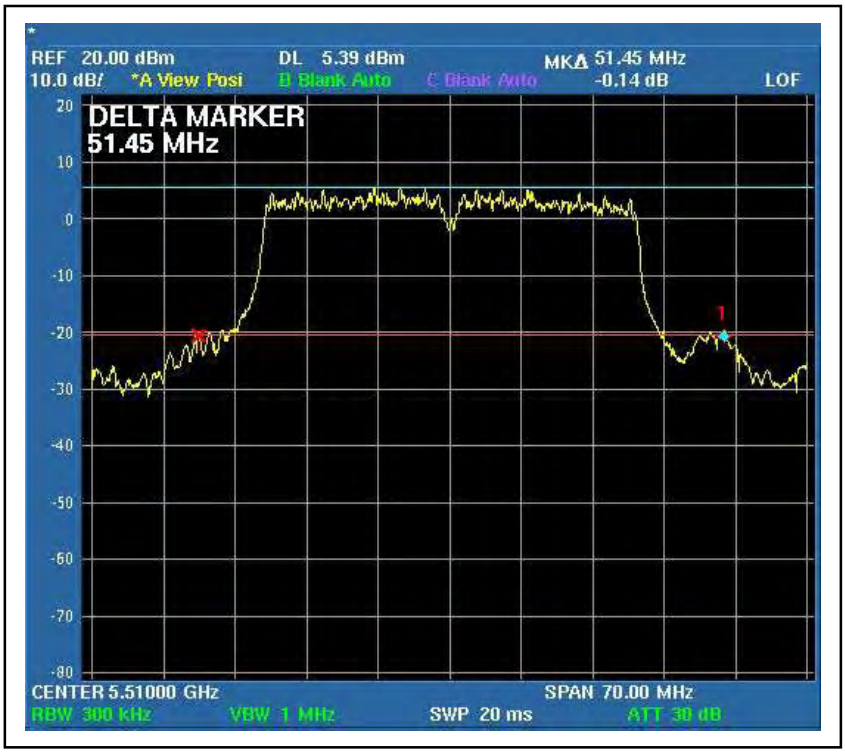
CH3


REF 20.00 dBm
DL 4.71 dBm
MKΔ 42.56 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.01 dB
LOF
DELTA MARKER
42.56 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.27000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

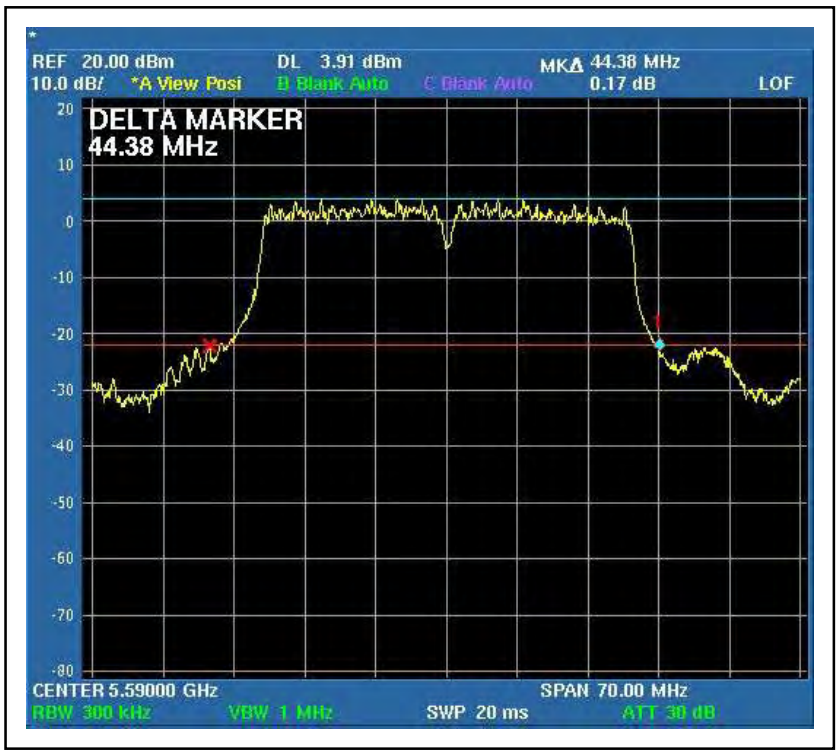
CH4


REF 20.00 dBm
DL 5.39 dBm
MKΔ 43.61 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.03 dB
LOF
DELTA MARKER
43.61 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.31000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

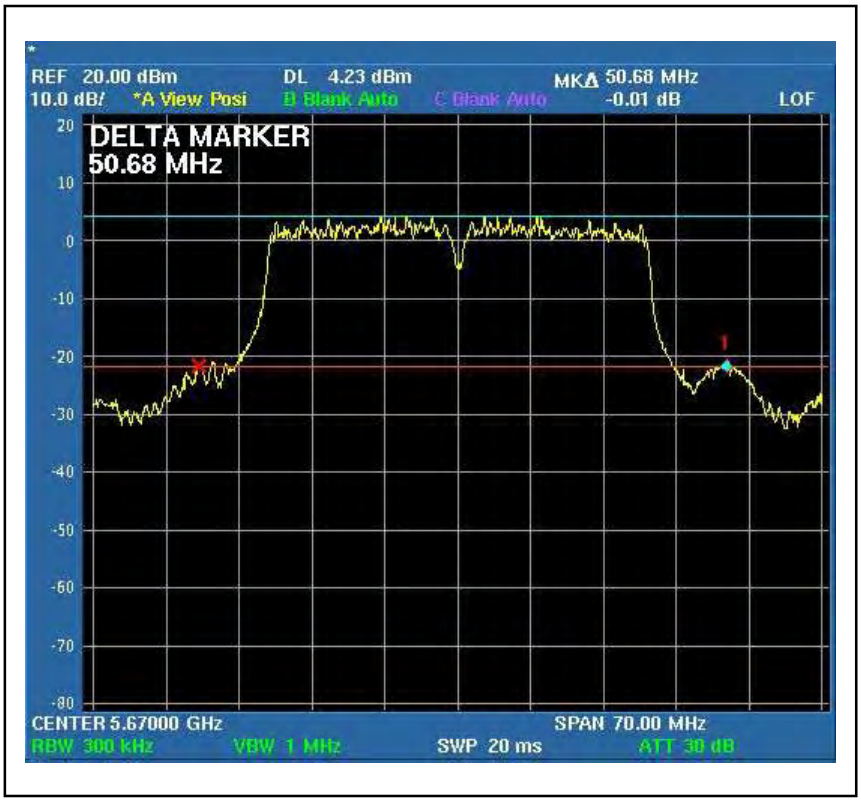
CH5


REF 20.00 dBm
DL 5.39 dBm
MKΔ 51.45 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.14 dB
LOF
DELTA MARKER
51.45 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.51000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

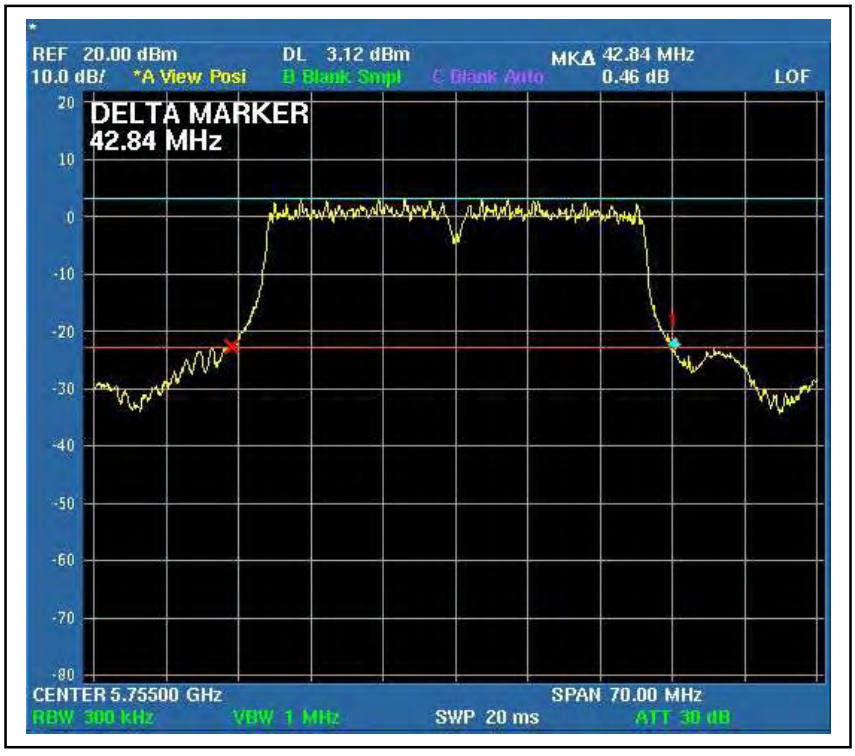
CH7


REF 20.00 dBm
DL 3.91 dBm
MKΔ 44.38 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.17 dB
LOF
DELTA MARKER
44.38 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.59000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH9


REF 20.00 dBm
DL 4.23 dBm
MKΔ 50.68 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.01 dB
LOF
DELTA MARKER
50.68 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.67000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

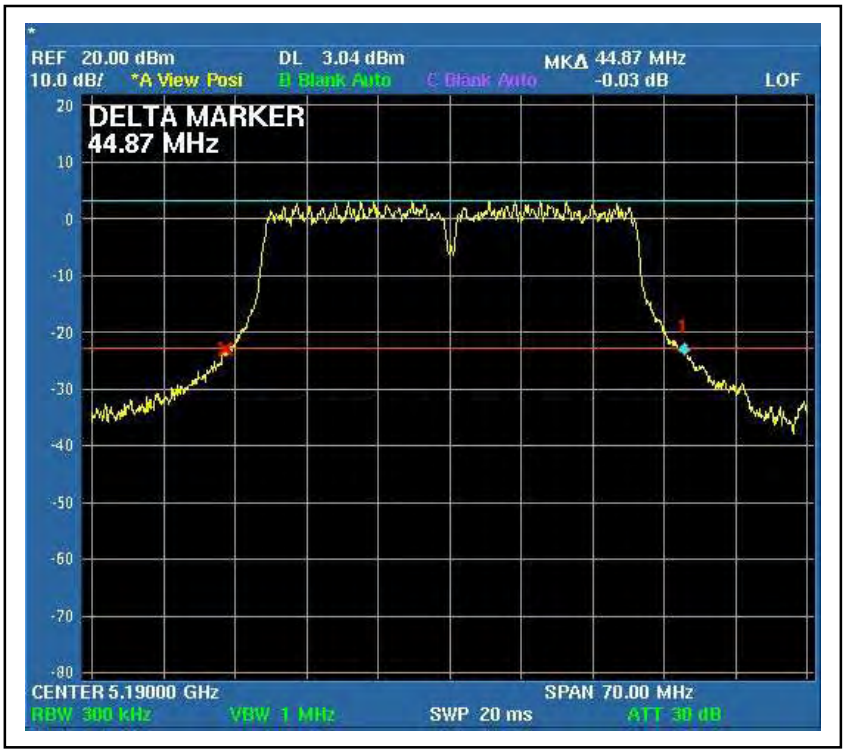
CH10


REF 20.00 dBm
DL 3.12 dBm
MKΔ 42.84 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
0.46 dB
LOF
DELTA MARKER
42.84 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.75500 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

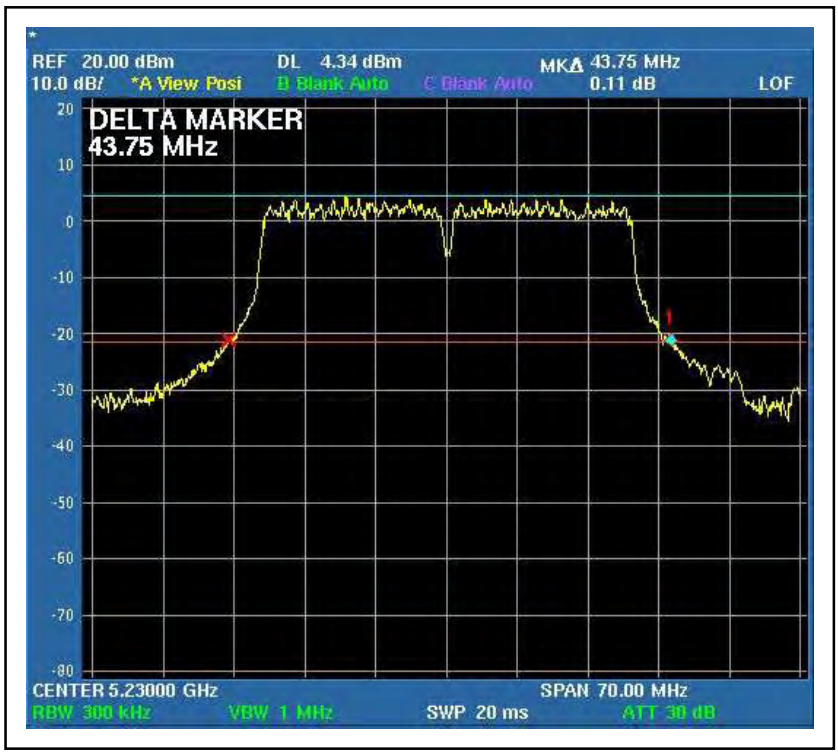
CH12


REF 20.00 dBm
DL 2.87 dBm
MKΔ 50.26 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
-0.33 dB
LOF
DELTA MARKER
50.26 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.79500 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

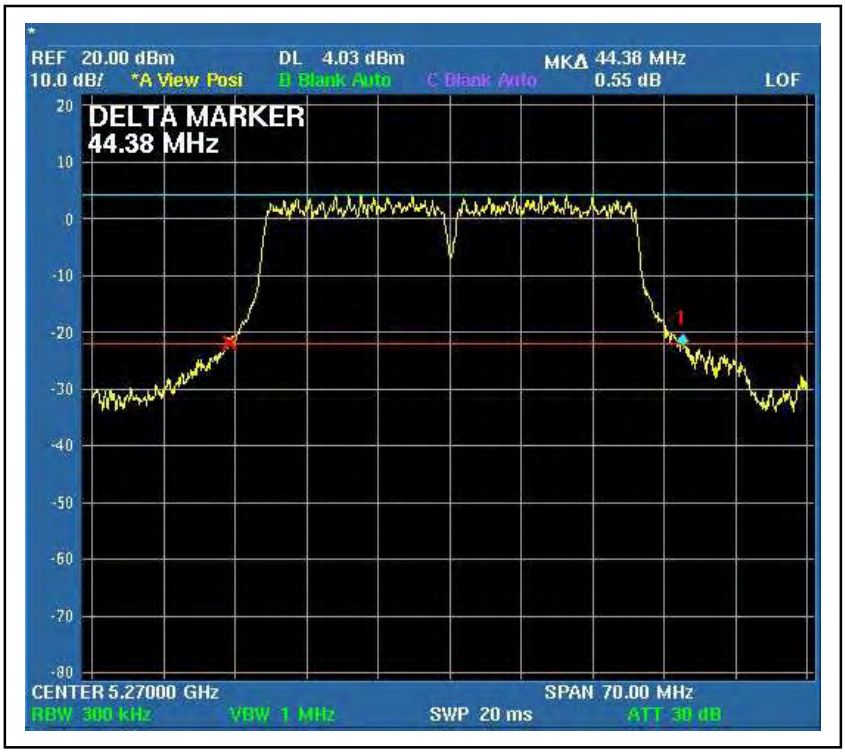
For Chain (1) :CH1



CH2



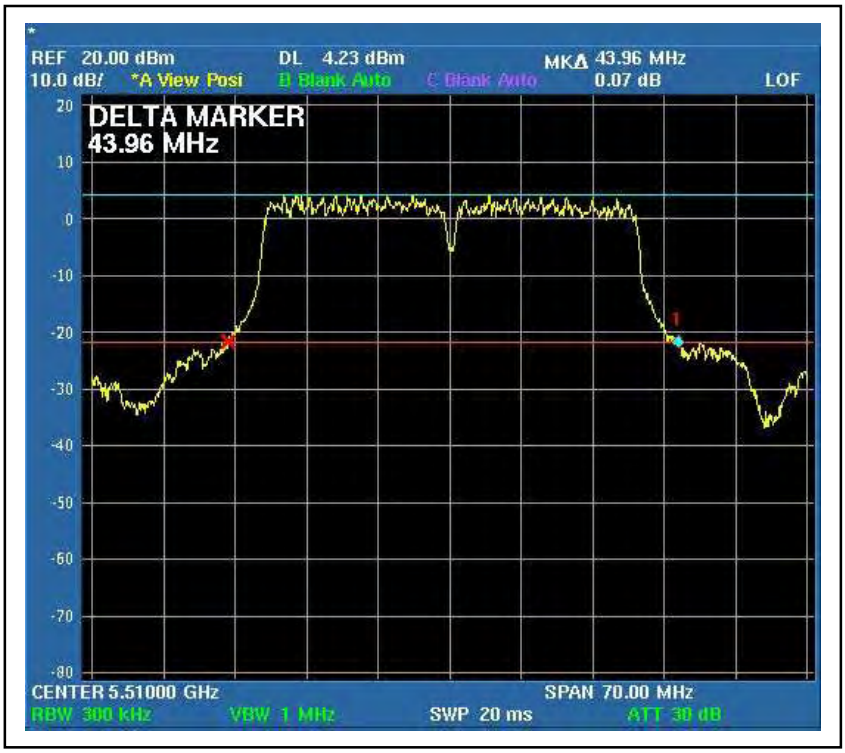
CH3


REF 20.00 dBm
DL 4.03 dBm
MKΔ 44.38 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.55 dB
LOF
DELTA MARKER
44.38 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.27000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH4


REF 20.00 dBm
DL 3.68 dBm
MKΔ 44.66 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.06 dB
LOF
DELTA MARKER
44.66 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.31000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

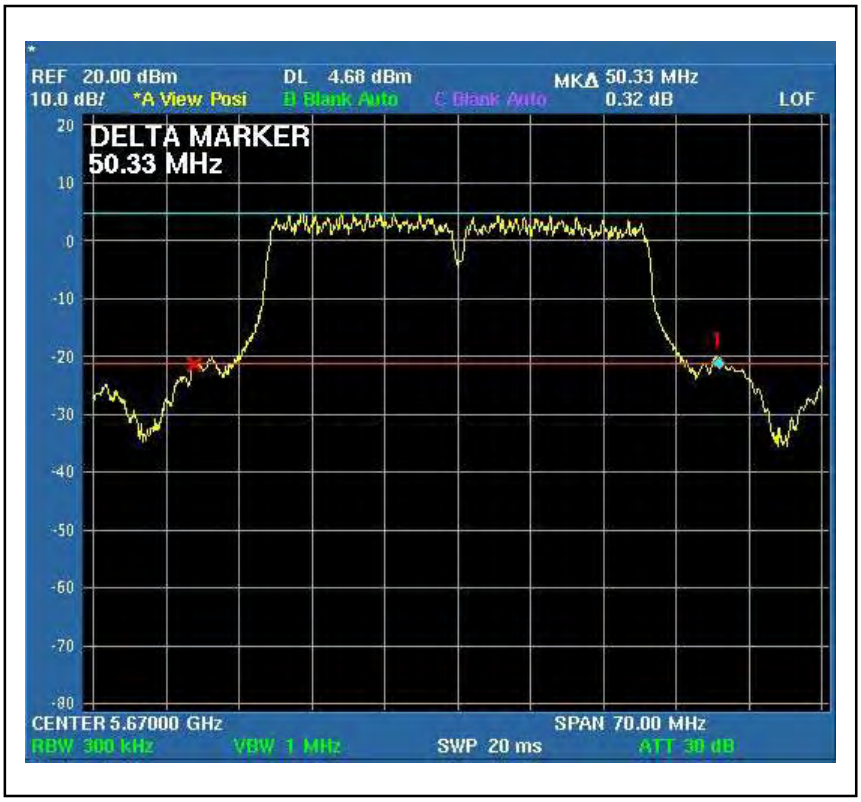
CH5


REF 20.00 dBm
DL 4.23 dBm
MKΔ 43.96 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.07 dB
LOF
DELTA MARKER
43.96 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.51000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

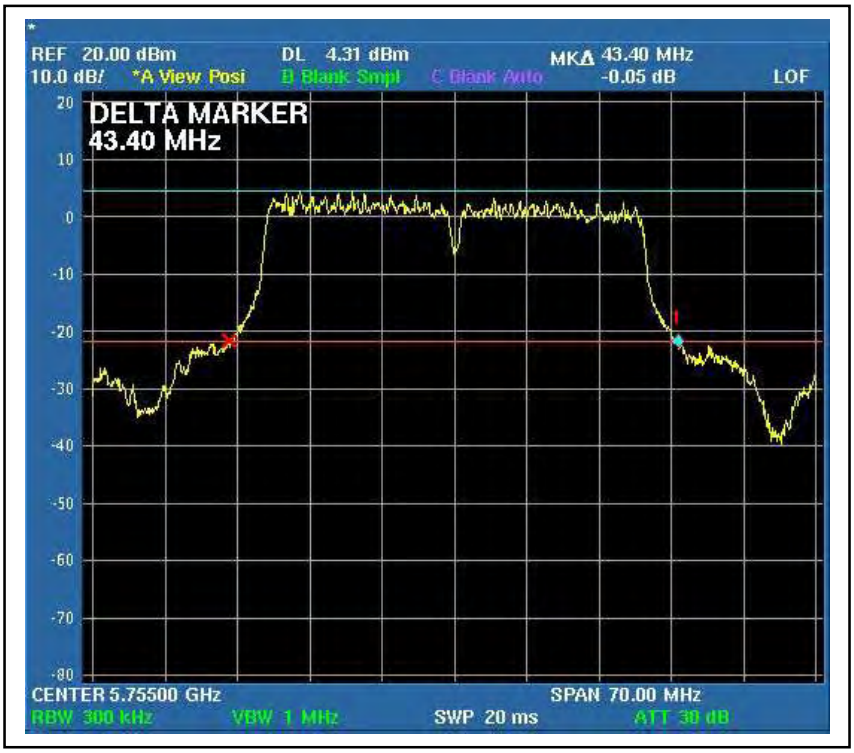
CH7


REF 20.00 dBm
DL 4.31 dBm
MKΔ 49.42 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
-0.14 dB
LOF
DELTA MARKER
49.42 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.59000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

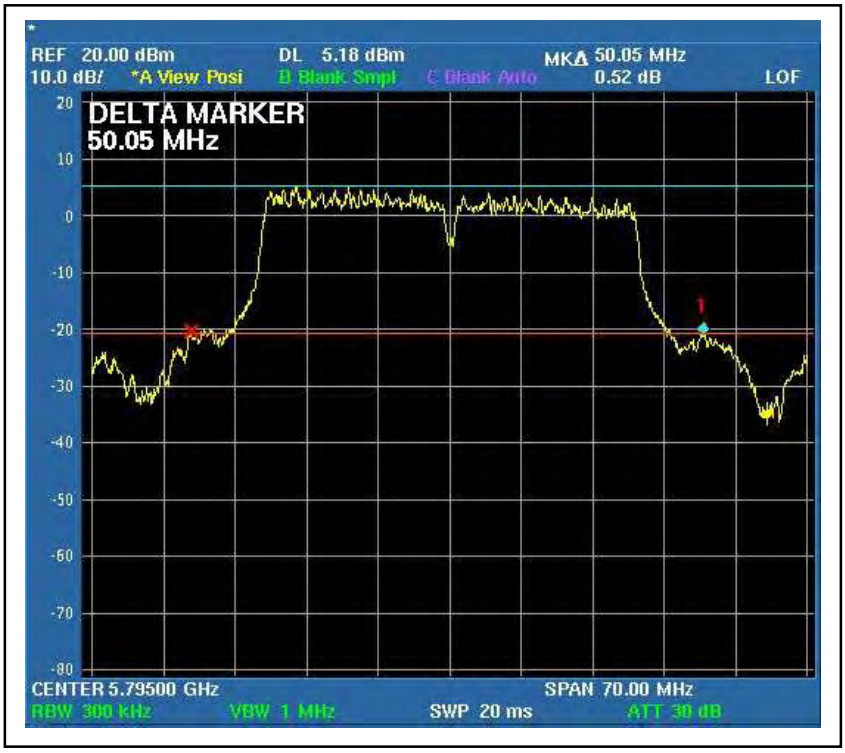
CH9


REF 20.00 dBm
DL 4.68 dBm
MKΔ 50.33 MHz
10.0 dB/ *A View Posi
B Blank Auto
C Blank Auto
0.32 dB
LOF
DELTA MARKER
50.33 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.67000 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH10


REF 20.00 dBm
DL 4.31 dBm
MKΔ 43.40 MHz
10.0 dB/ *A View Posi
B Blank Smpl
C Blank Auto
-0.05 dB
LOF
DELTA MARKER
43.40 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.75500 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

CH12


REF 20.00 dBm
10.0 dB/
*A View Posi
DL 5.18 dBm
B Blank Smpl
C Blank Auto
MKΔ 50.05 MHz
0.52 dB
LOF
DELTA MARKER
50.05 MHz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.79500 GHz
SPAN 70.00 MHz
RBW 300 kHz
VBW 1 MHz
SWP 20 ms
ATT 30 dB

4.4 PEAK POWER EXCURSION MEASUREMENT

4.4.1 LIMITS OF PEAK POWER EXCURSION MEASUREMENT

Frequency Band	Limit
5.15 – 5.25 GHz	13dB
5.25 – 5.35 GHz	13dB
5.47 – 5.725GHz	13dB
5.725 – 5.825 GHz	13dB

4.4.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
ADVANTEST SPECTRUM ANALYZER	U3772	160100280	April 10, 2008

NOTE:

1. The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
2. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

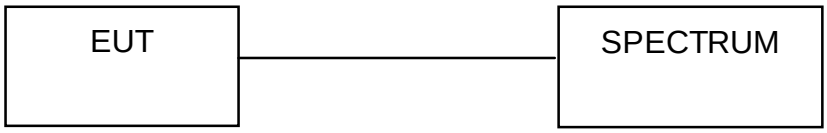
4.4.3 TEST PROCEDURE

1. The transmitter output was connected to the spectrum analyzer.
2. Set the spectrum bandwidth span to view the entire spectrum.
3. Using peak detector and Max-hold function for Trace 1 (RB=1MHz, VB=3MHz) and 2 (RB=1MHz, VB=300KHz).
4. The largest difference between Trace 1 and Trace 2 in any 1MHz band on any frequency was recorded.

4.4.4 DEVIATION FROM TEST STANDARD

No deviation

4.4.5 TEST SETUP



4.4.6 EUT OPERATING CONDITIONS

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

4.4.7 TEST RESULTS

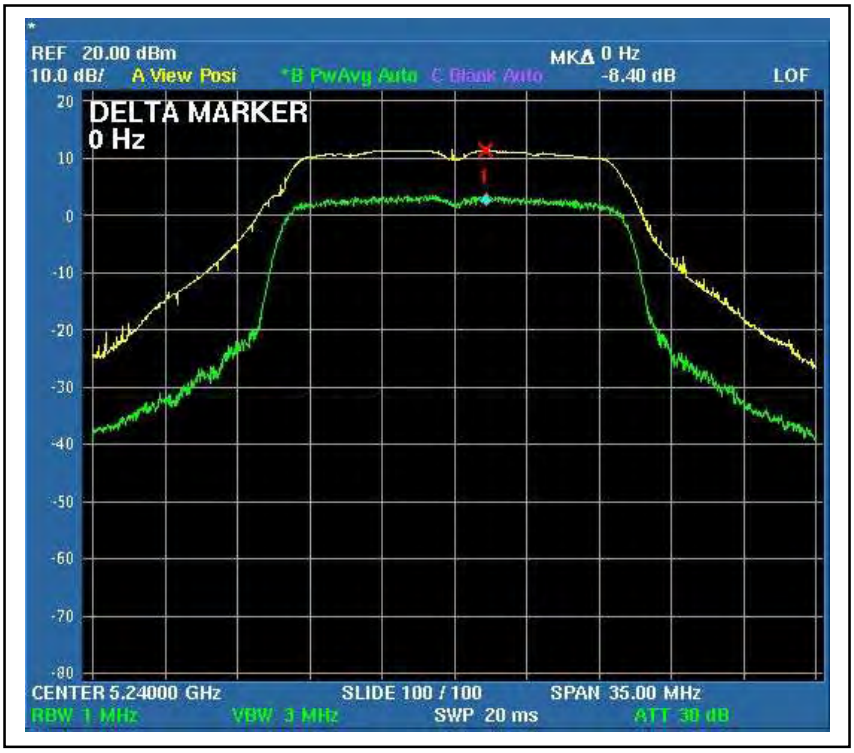
802.11a OFDM modulation

MODULATION TYPE	BPSK	TRANSFER RATE	6Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	20deg.C, 60%RH, 971hPa
TESTED BY	Rex Huang		

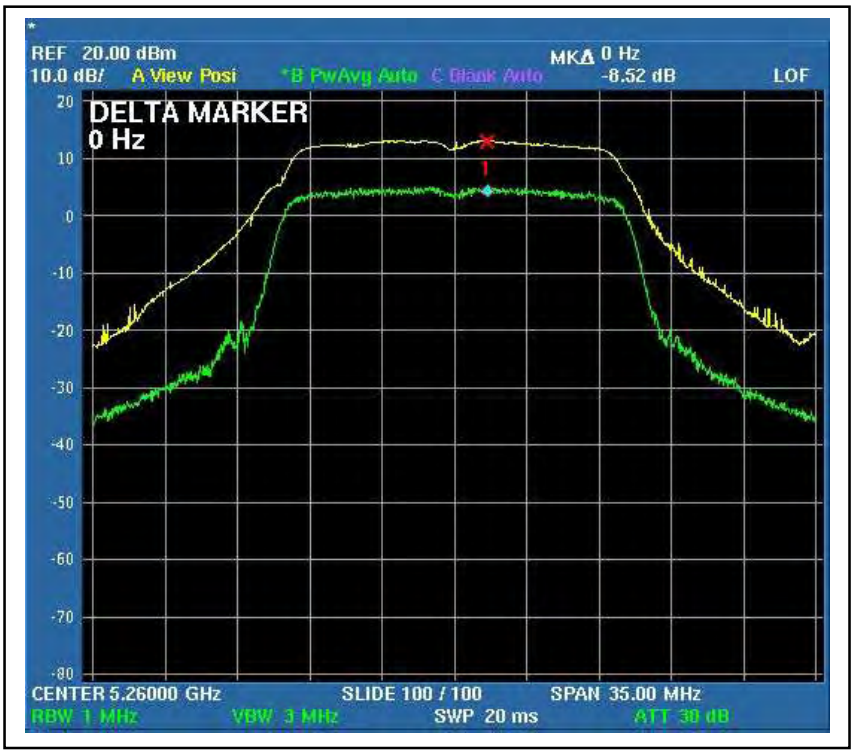
CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)	PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
1	5180	9.03	13	PASS
4	5240	8.40	13	PASS
5	5260	8.52	13	PASS
8	5320	8.12	13	PASS
9	5500	8.33	13	PASS
14	5600	8.71	13	PASS
19	5700	9.09	13	PASS
20	5745	8.78	13	PASS
22	5785	8.30	13	PASS
23	5805	8.94	13	PASS

CH1

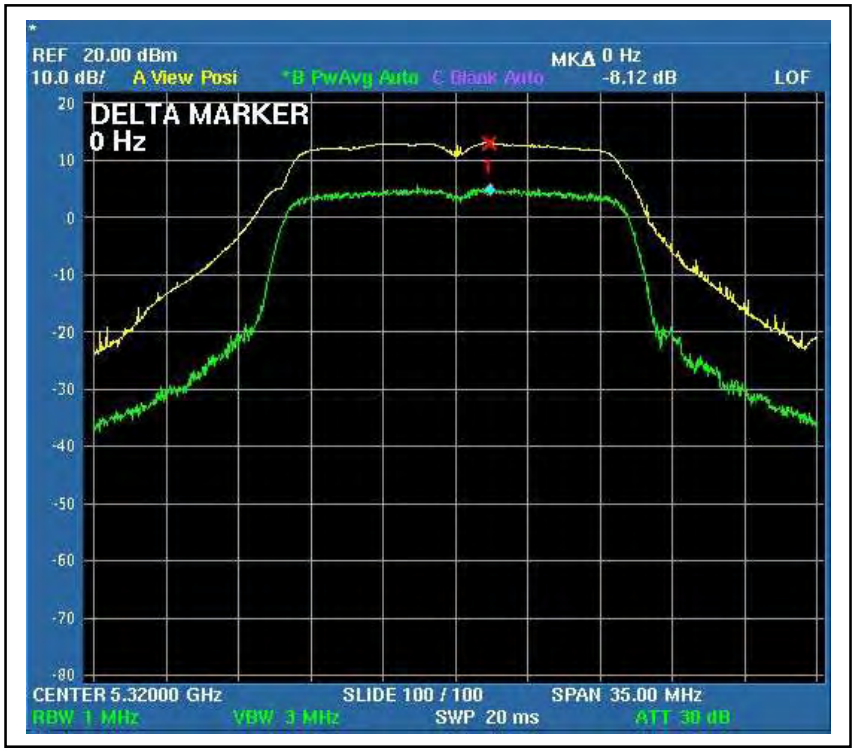
CH4


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -8.40 dB LOF
DELTA MARKER
0 Hz
CENTER 5.24000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

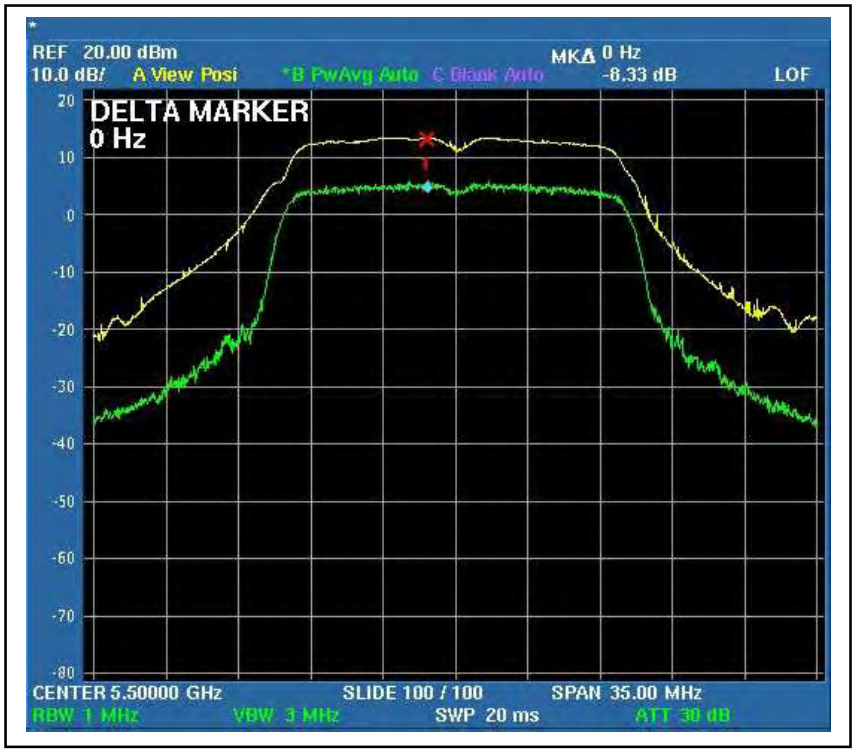
CH5


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -8.52 dB LOF
DELTA MARKER
0 Hz
CENTER 5.26000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

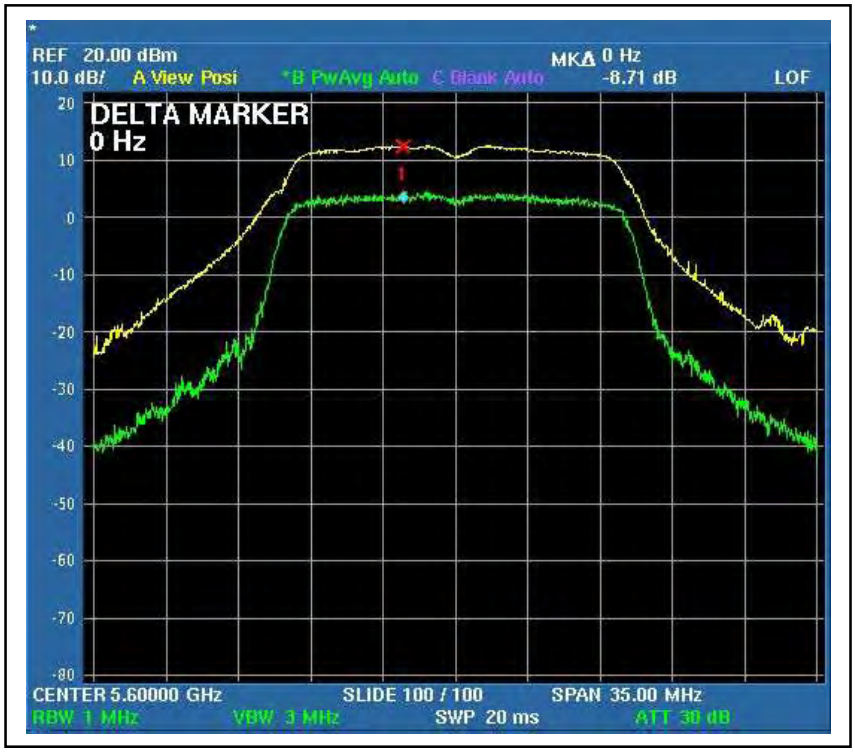
CH8


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -8.12 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.32000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

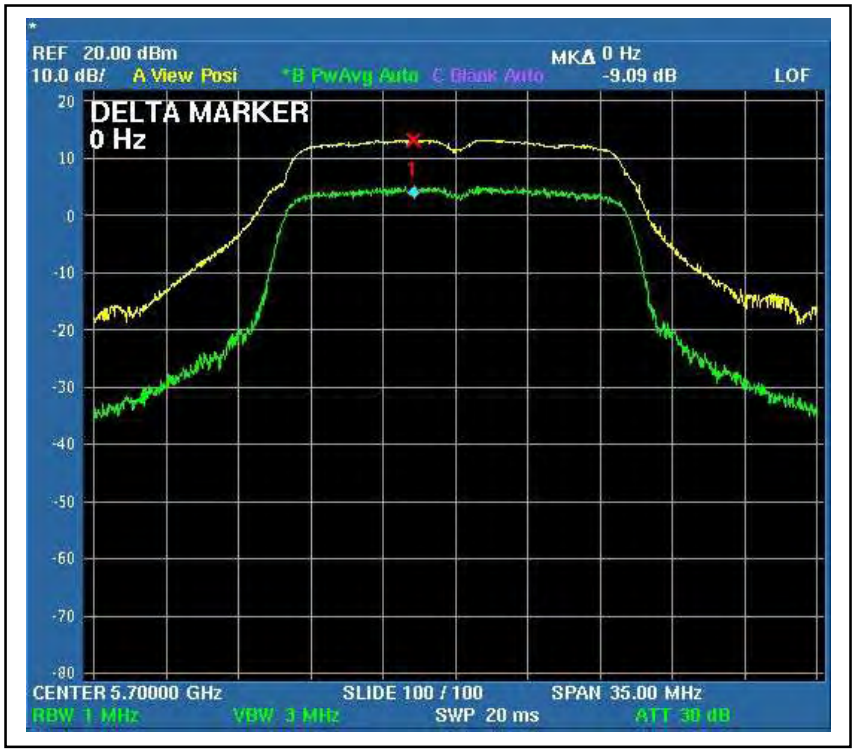
CH9


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -8.33 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.50000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

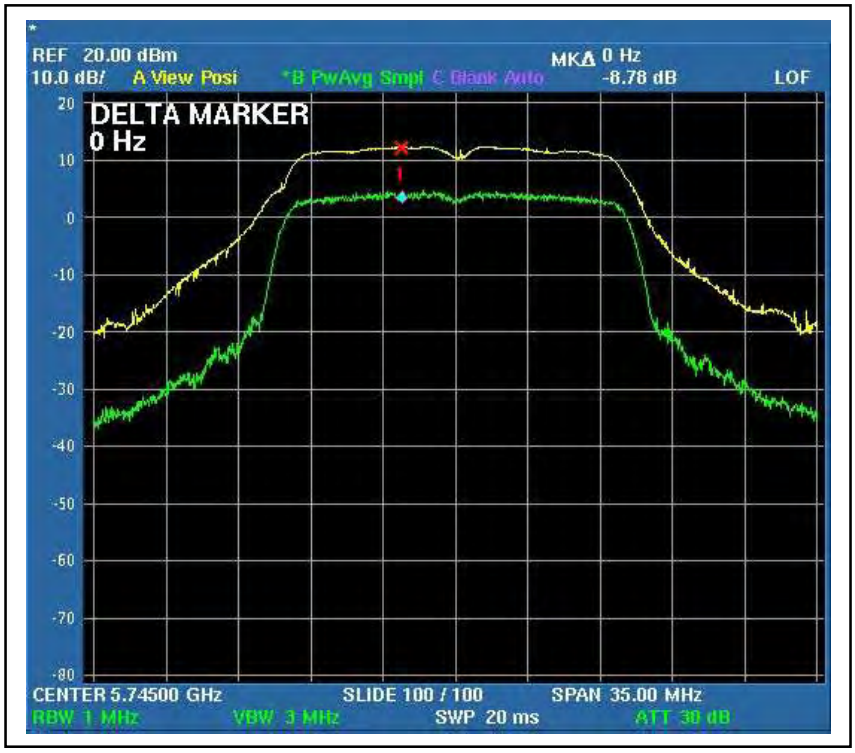
CH14


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -8.71 dB LOF
DELTA MARKER
0 Hz
CENTER 5.60000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

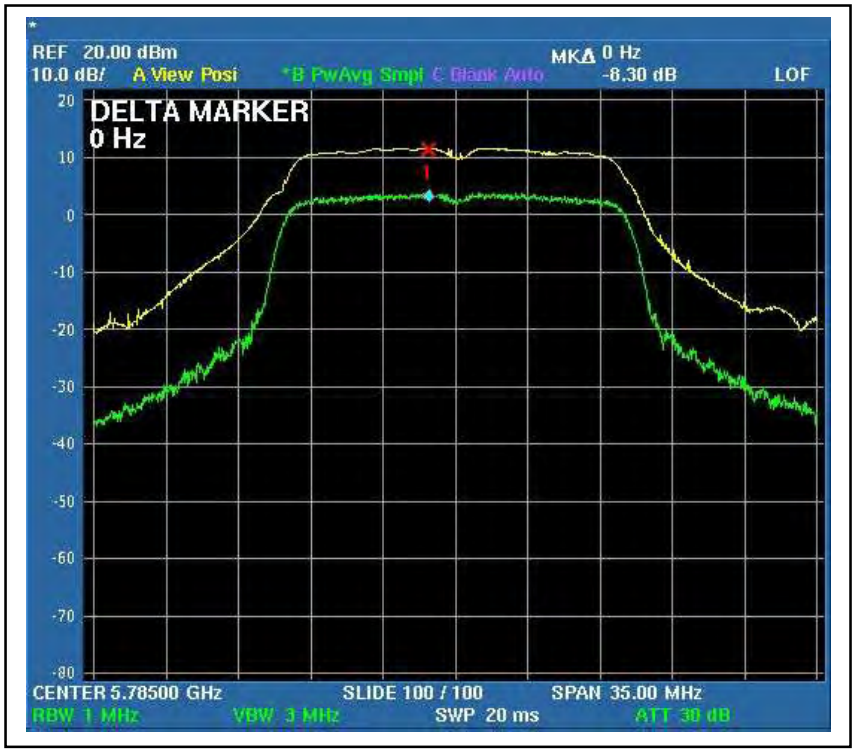
CH19


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -9.09 dB LOF
DELTA MARKER
0 Hz
CENTER 5.70000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

CH20


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -8.78 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.74500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

CH22


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -8.30 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.78500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

CH23

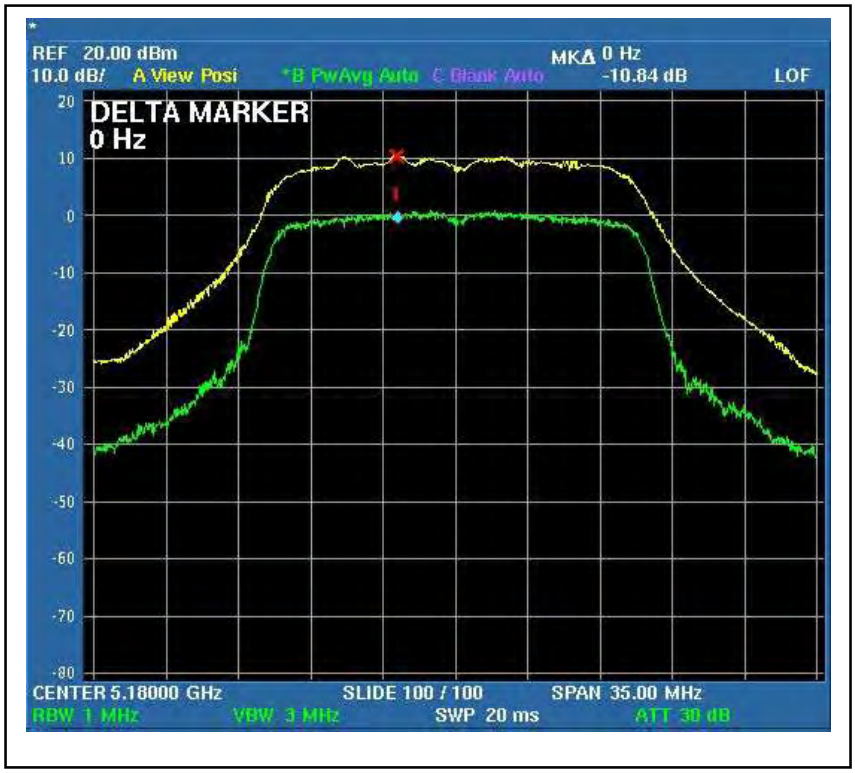

REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -8.94 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.80500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

DRAFT 802.11n (20MHz) OFDM MODULATION:

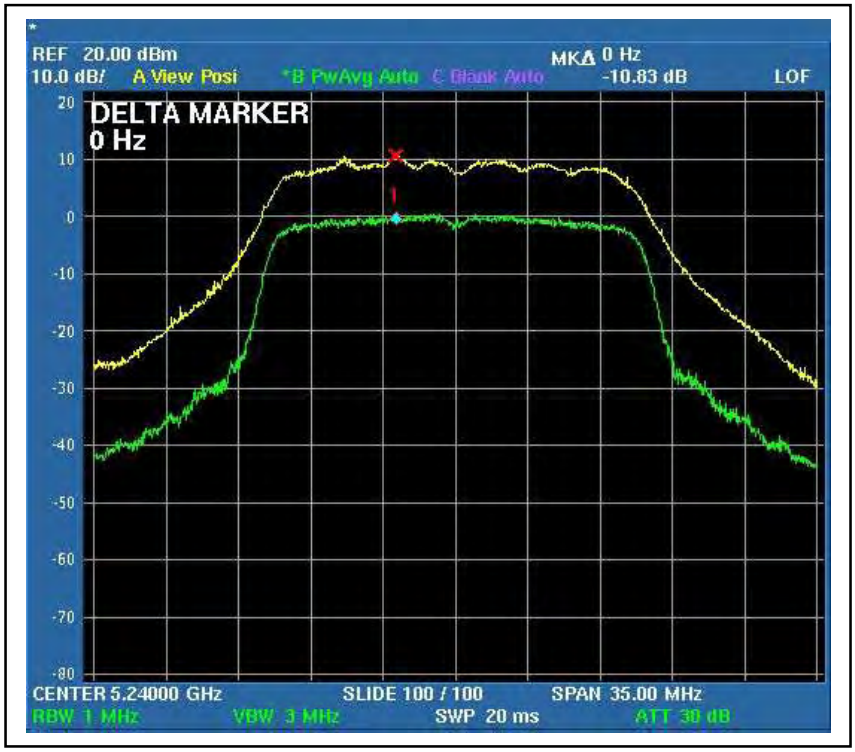
MODULATION TYPE	BPSK	TRANSFER RATE	13Mbps
INPUT POWER (SYSTEM)	120Vac, 60 Hz	ENVIRONMENTAL CONDITIONS	20deg.C, 60%RH, 971hPa
TESTED BY	Rex Huang		

CHANNEL	CHANNEL FREQUENCY (MHz)	PEAK POWER EXCURSION (dB)		PEAK to AVERAGE EXCURSION LIMIT (dB)	PASS/FAIL
		Chain (0)	Chain(1)		
1	5180	10.84	10.00	13	PASS
4	5240	10.83	10.48	13	PASS
5	5260	10.88	10.44	13	PASS
8	5320	10.27	11.43	13	PASS
9	5500	11.82	10.77	13	PASS
14	5600	11.34	10.00	13	PASS
19	5700	10.37	9.30	13	PASS
20	5745	9.43	11.07	13	PASS
22	5785	11.74	9.94	13	PASS
23	5805	11.08	9.47	13	PASS

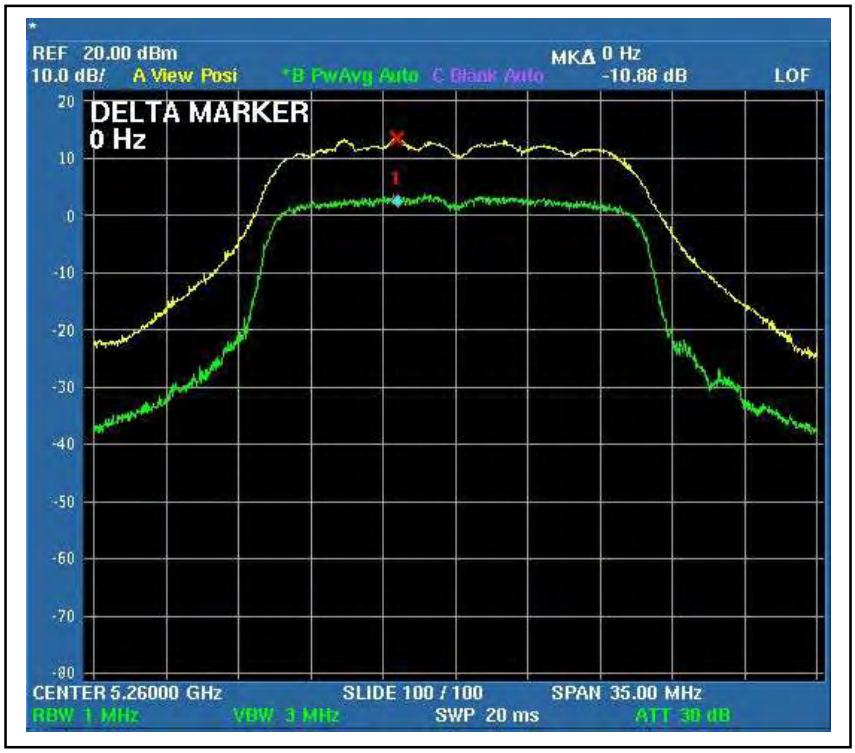
For Chain (0) : CH1



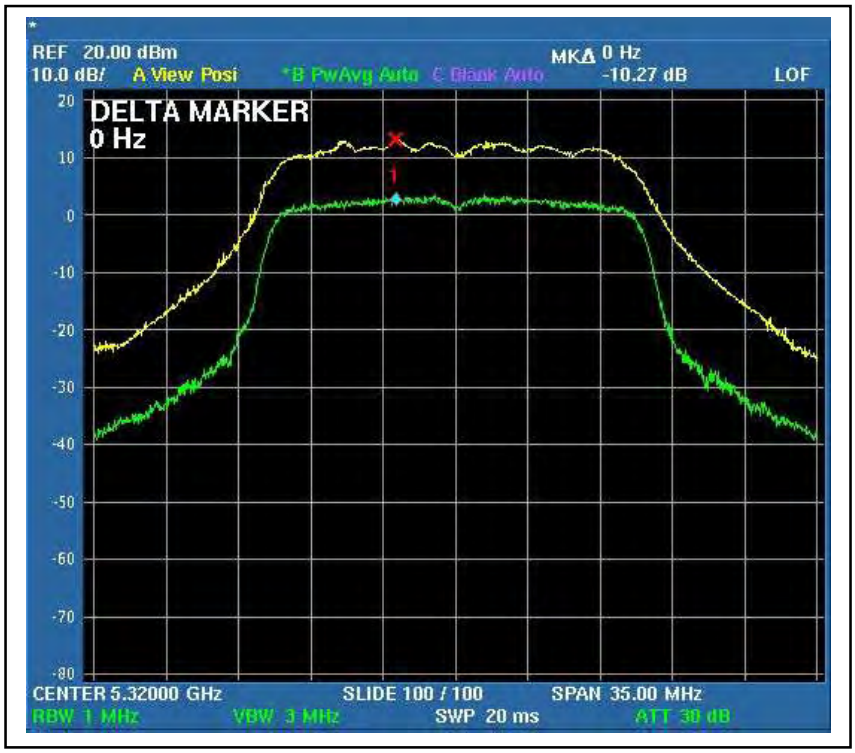
CH4



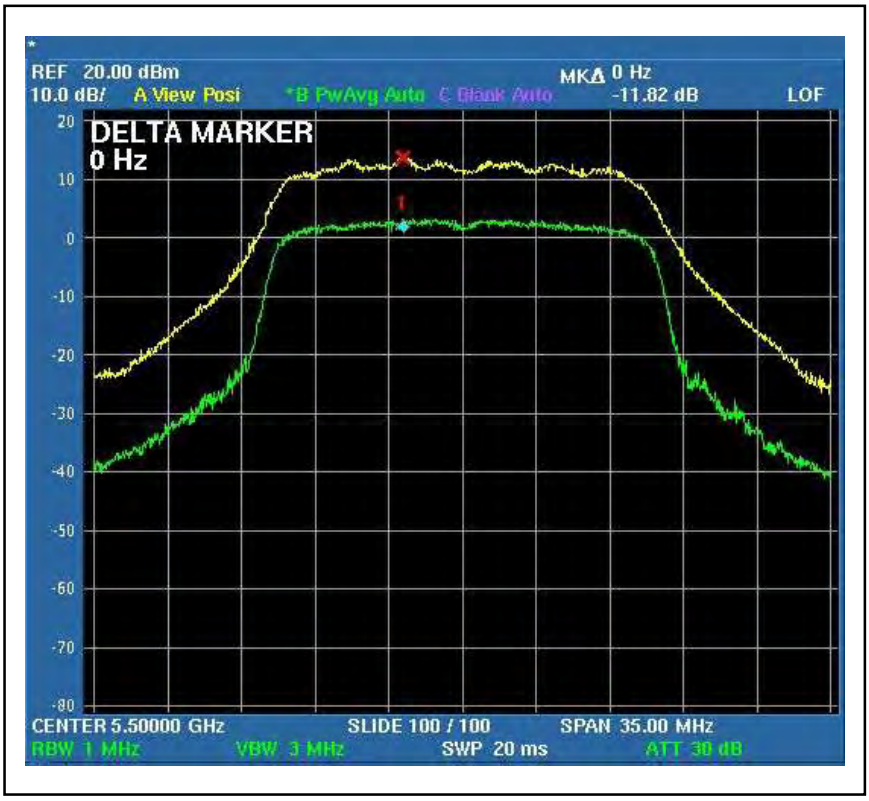
CH5


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.88 dB LOF
DELTA MARKER
0 Hz
CENTER 5.26000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

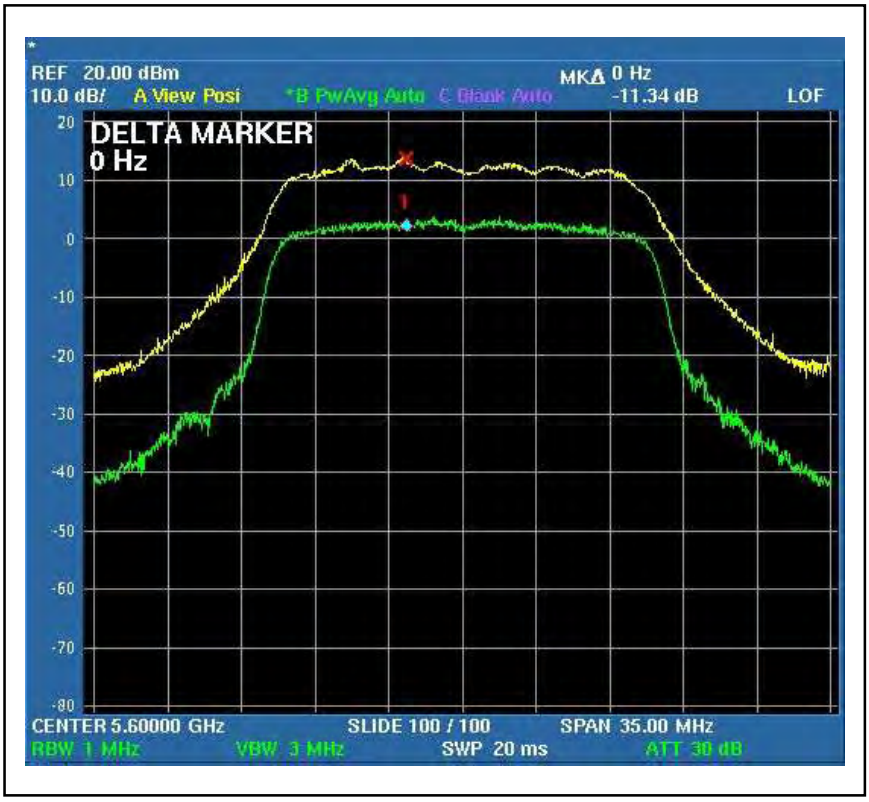
CH8


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.27 dB LOF
DELTA MARKER
0 Hz
CENTER 5.32000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

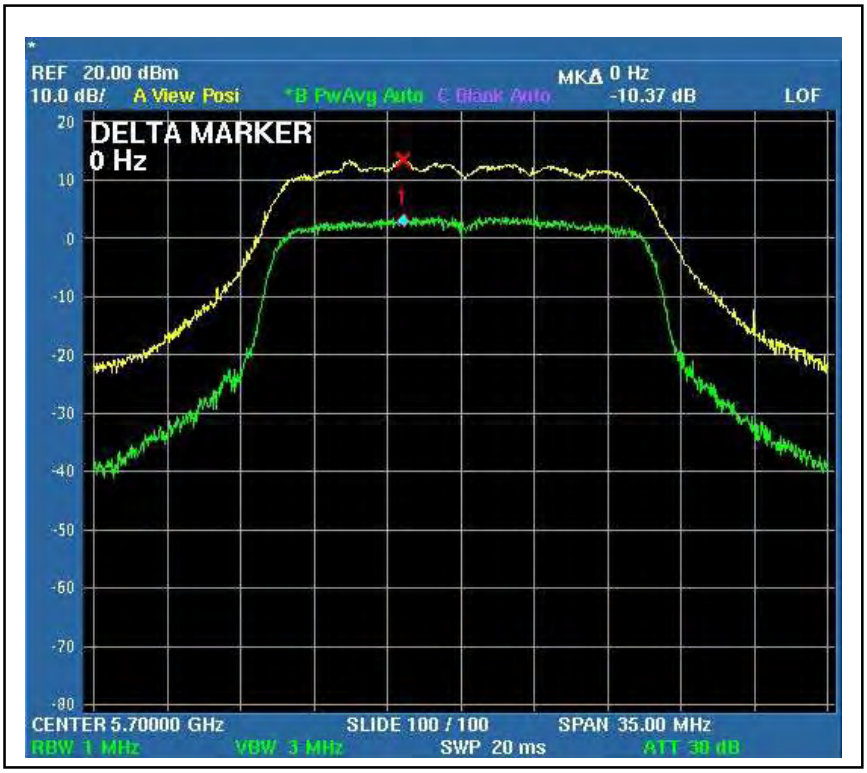
CH9


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -11.82 dB LOF
DELTA MARKER
0 Hz
CENTER 5.50000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

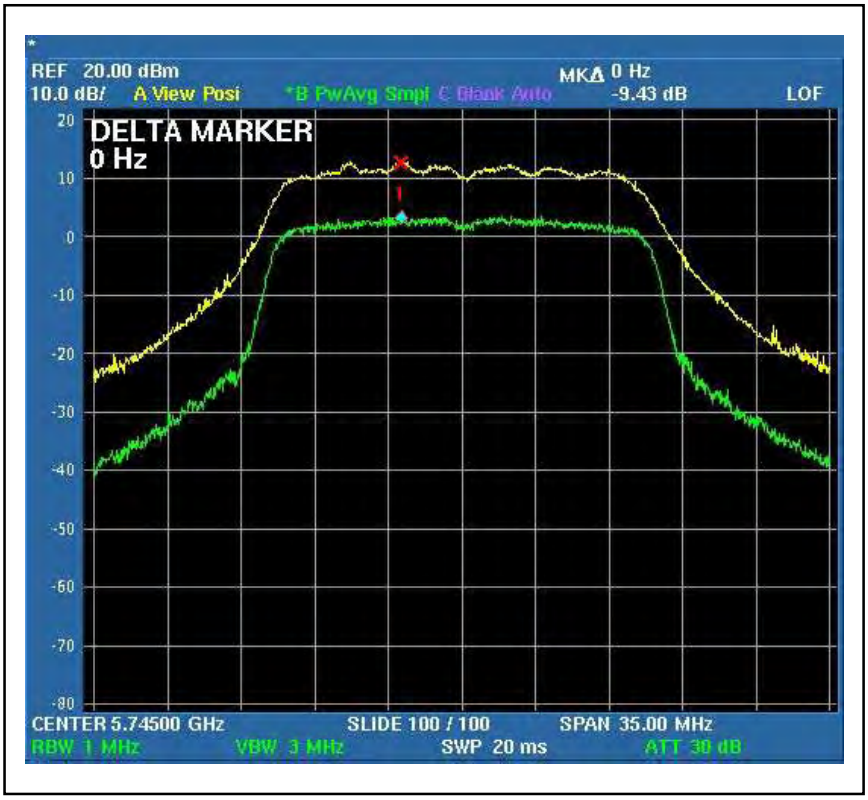
CH14


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -11.34 dB LOF
DELTA MARKER
0 Hz
CENTER 5.60000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

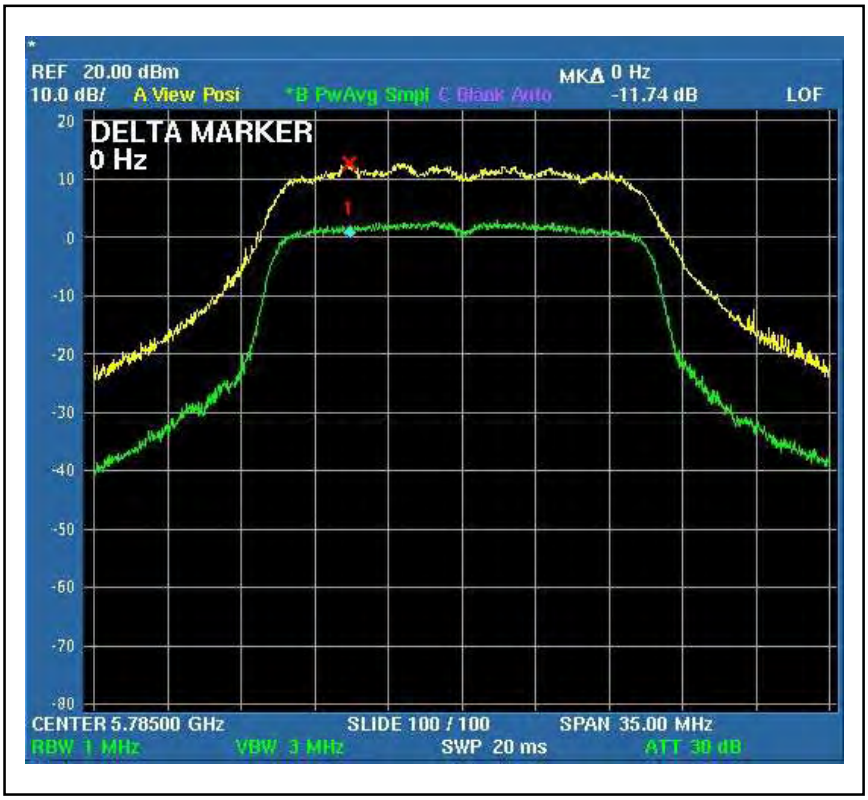
CH19


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.37 dB LOF
DELTA MARKER
0 Hz
CENTER 5.70000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

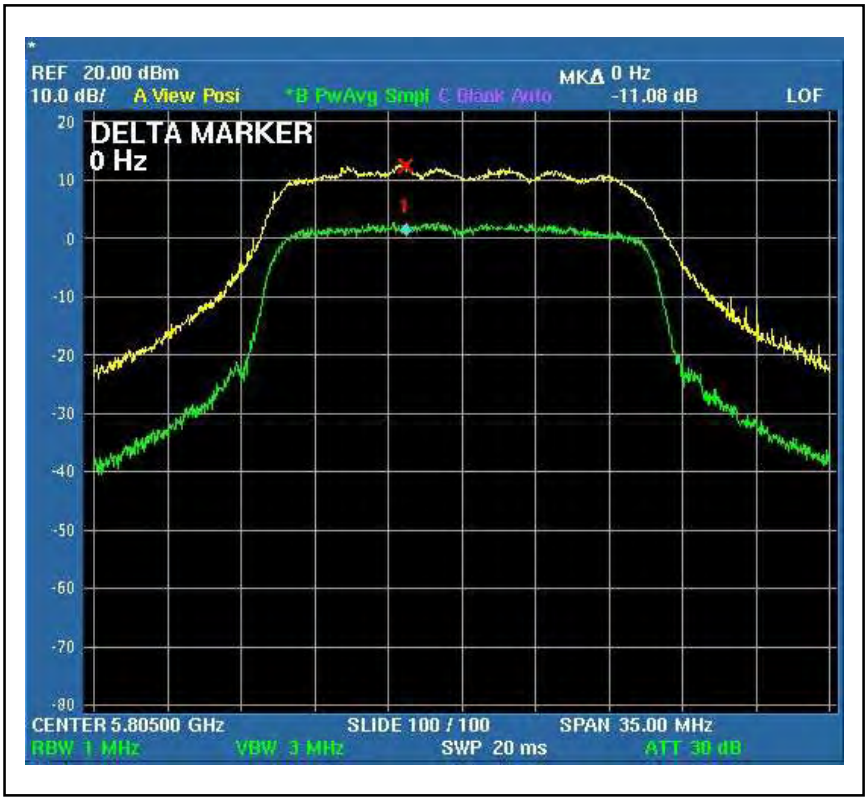
CH20


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -9.43 dB LOF
DELTA MARKER
0 Hz
CENTER 5.74500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

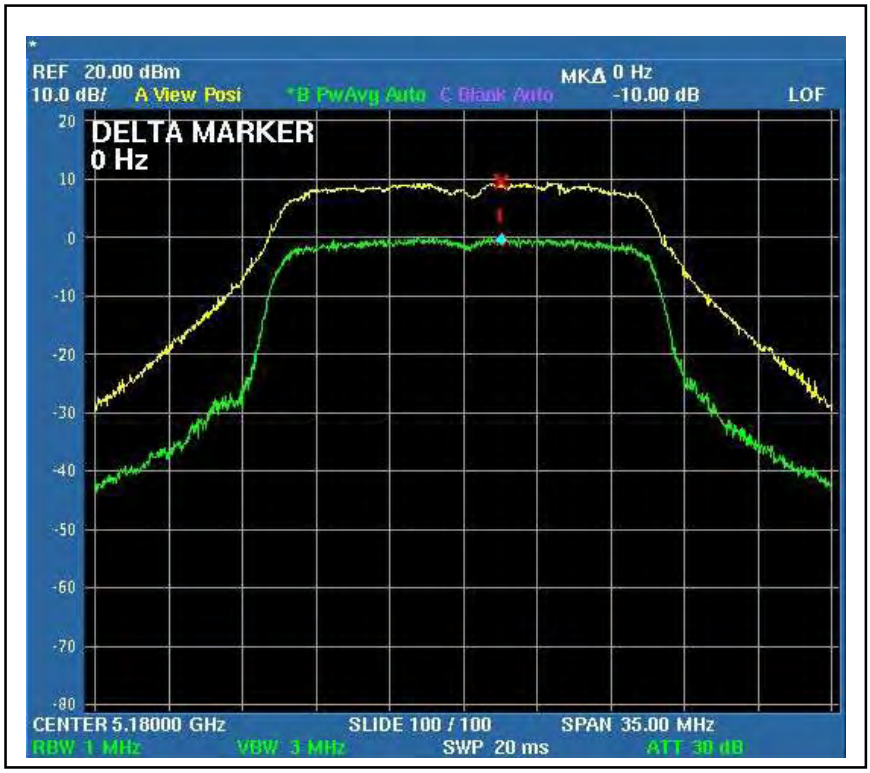
CH22


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -11.74 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.78500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

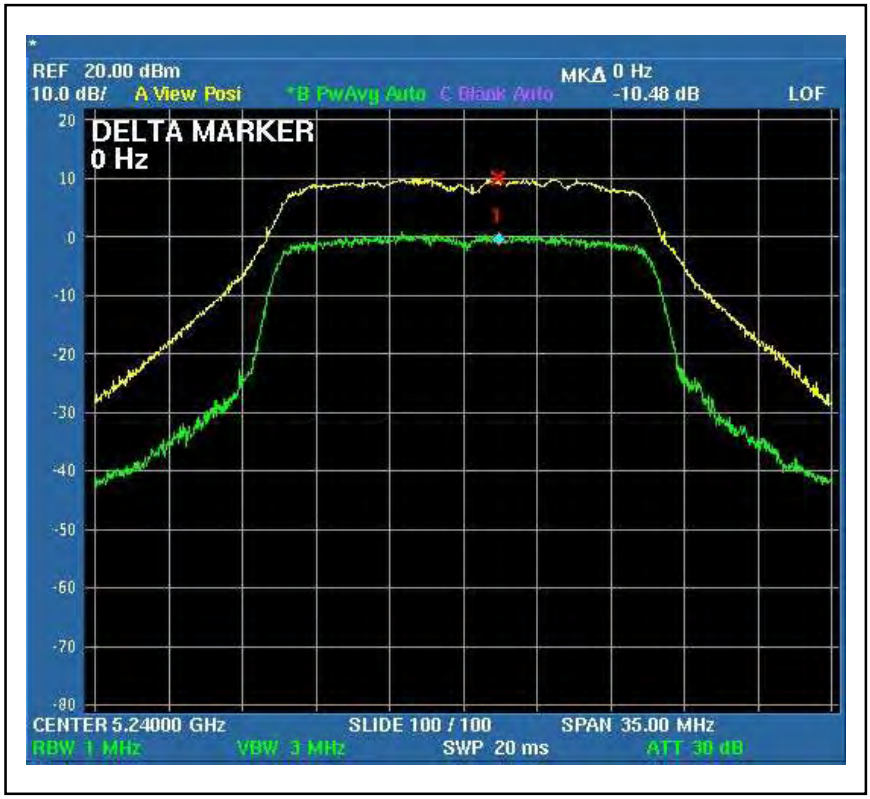
CH23


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -11.08 dB LOF
DELTA MARKER
0 Hz
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
CENTER 5.80500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

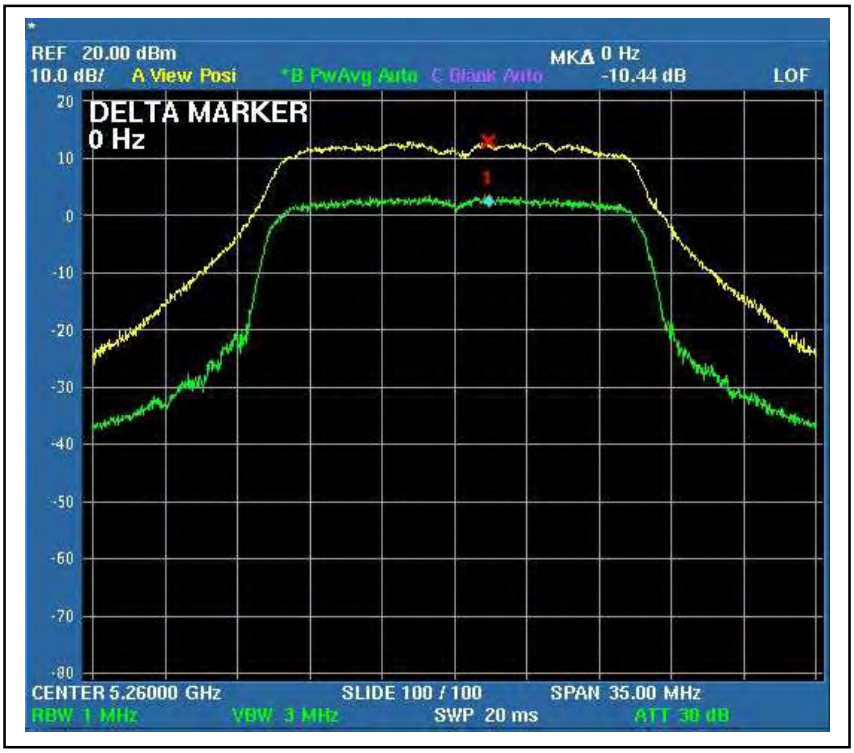
For Chain (1) : CH1



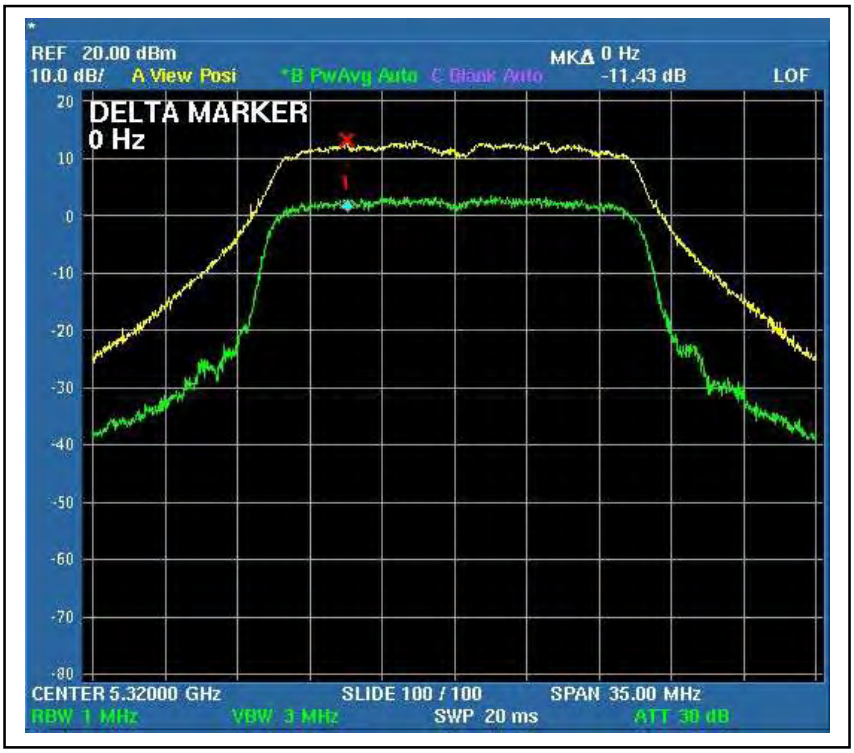
CH4



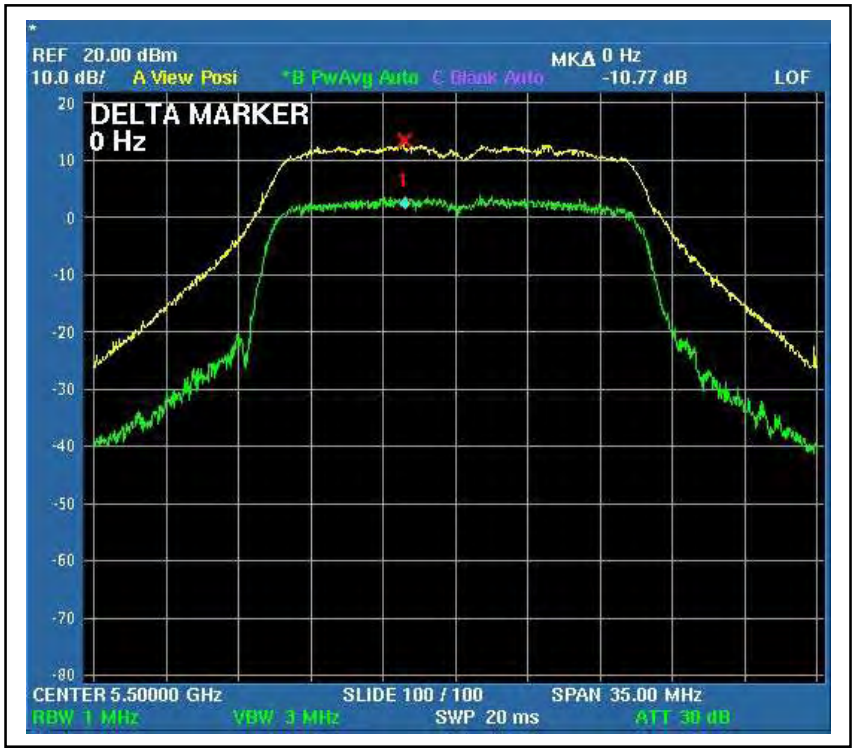
CH5


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.44 dB LOF
DELTA MARKER
0 Hz
CENTER 5.26000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

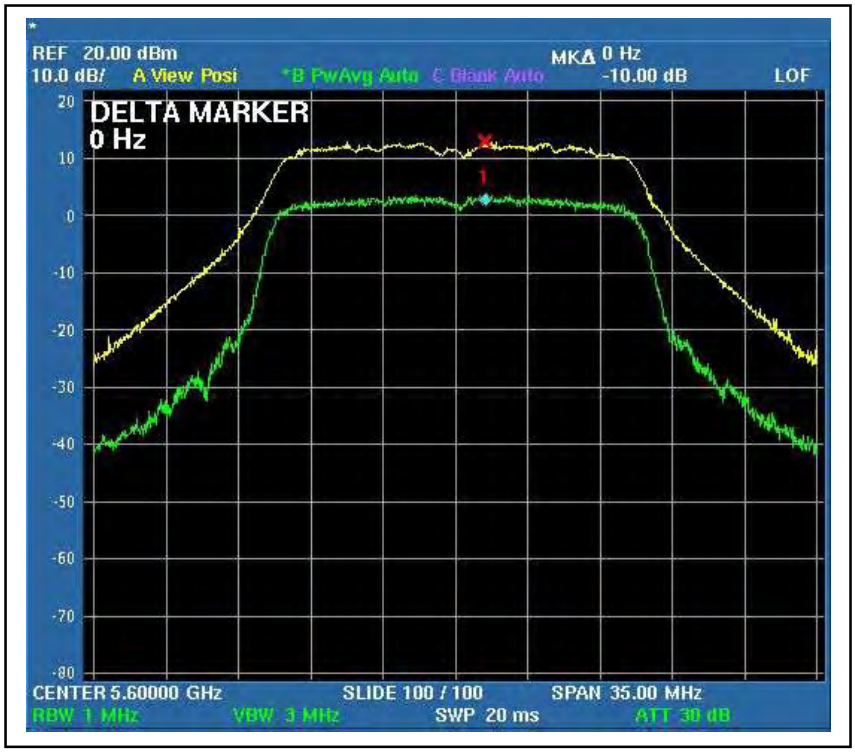
CH8


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -11.43 dB LOF
DELTA MARKER
0 Hz
CENTER 5.32000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

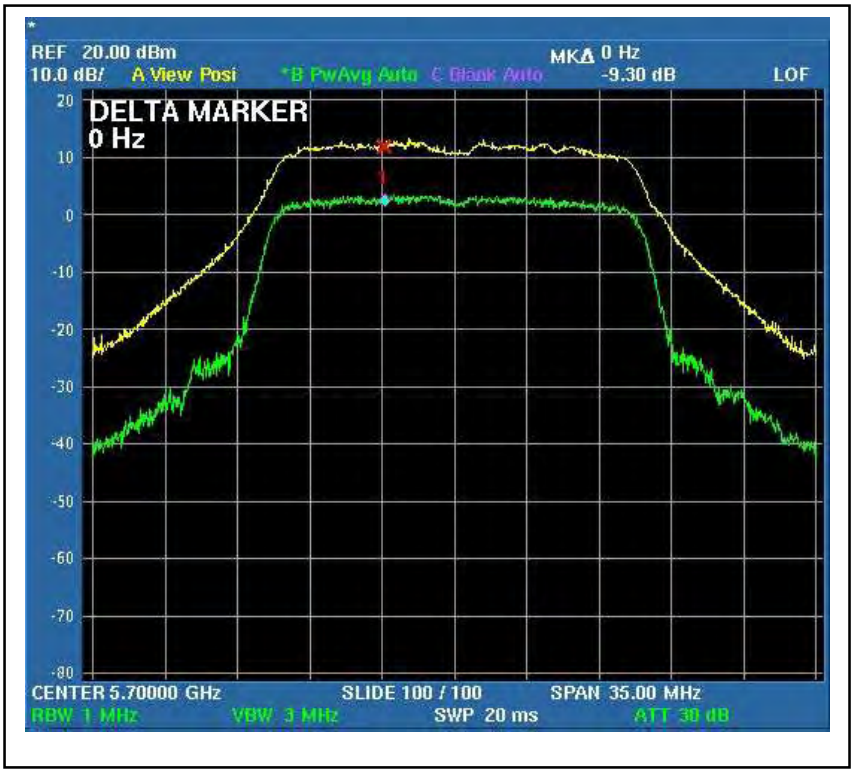
CH9


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.77 dB LOF
DELTA MARKER
0 Hz
CENTER 5.50000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

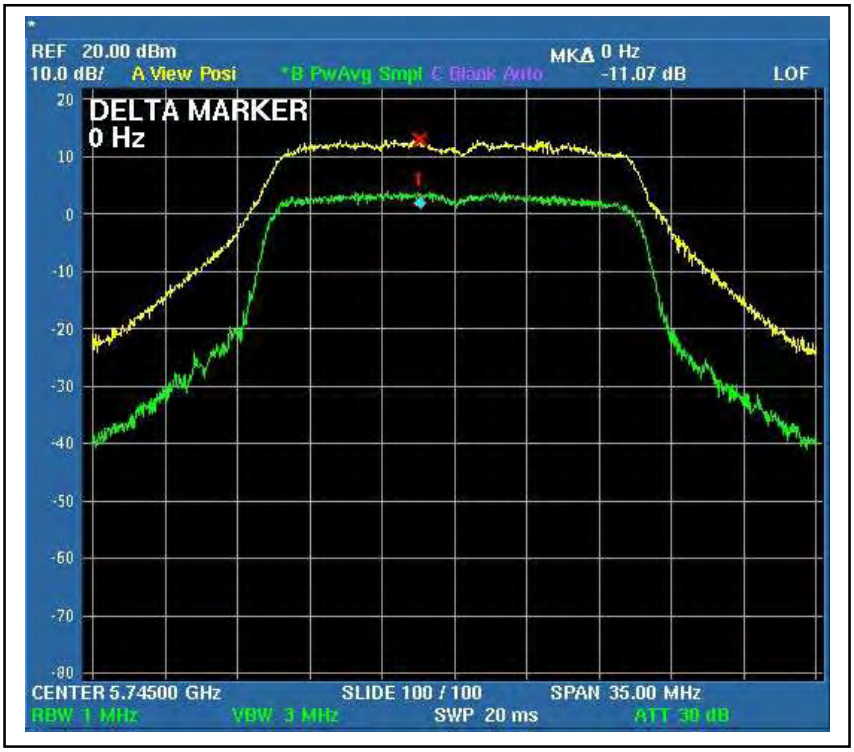
CH14


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -10.00 dB LOF
DELTA MARKER
0 Hz
CENTER 5.60000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

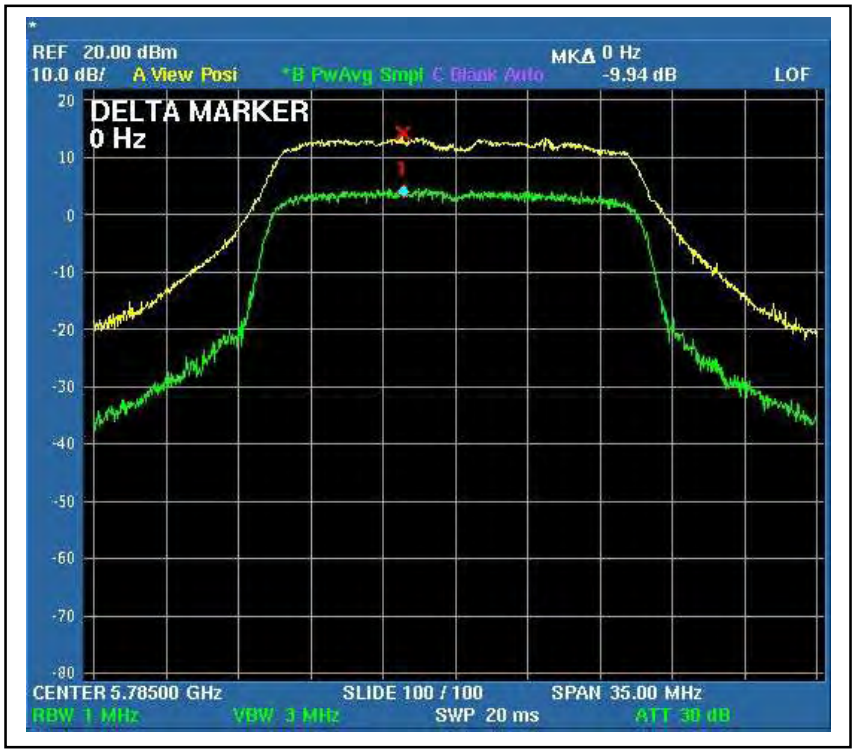
CH19


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Auto C Blank Auto -9.30 dB LOF
DELTA MARKER
0 Hz
CENTER 5.70000 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

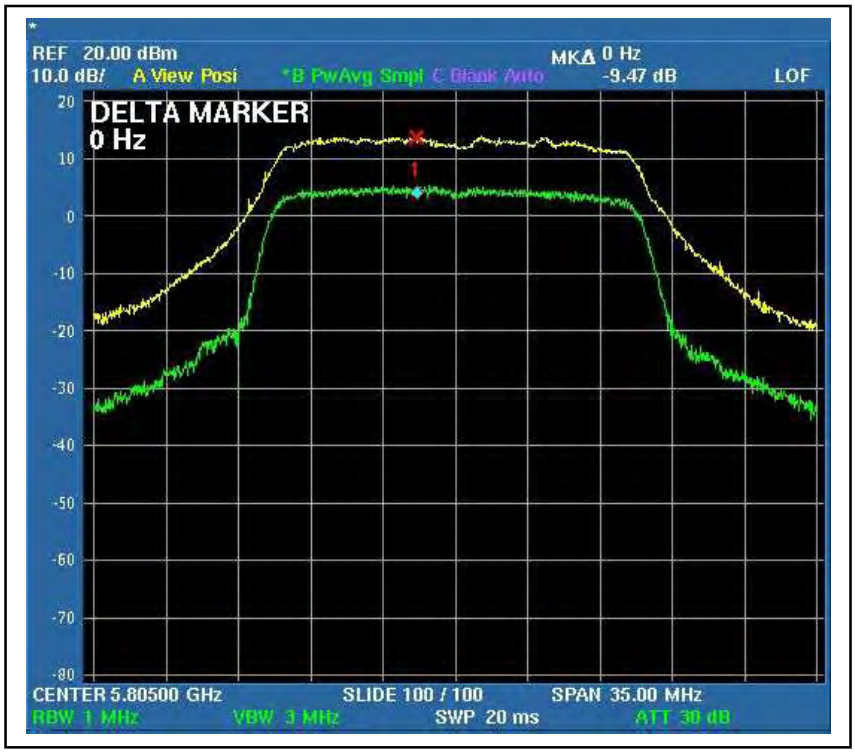
CH20


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -11.07 dB LOF
DELTA MARKER
0 Hz
CENTER 5.74500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

CH22


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -9.94 dB LOF
DELTA MARKER
0 Hz
CENTER 5.78500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB

CH23


REF 20.00 dBm
MKΔ 0 Hz
10.0 dB/ A View Posi *B PwAvg Smpl C Blank Auto -9.47 dB LOF
DELTA MARKER
0 Hz
CENTER 5.80500 GHz SLIDE 100 / 100 SPAN 35.00 MHz
RBW 1 MHz VBW 3 MHz SWP 20 ms ATT 30 dB