CANADA TEST REPORT
(ANNEX 9)

REPORT NO.: IC980504L06A-1

MODEL NO.: ZF7762

RECEIVED: May 04, 2009

TESTED: Jul. 07 ~ Sep. 02, 2009

ISSUED: Sep. 04, 2009

Applicant's Company	Senao Networks, Inc.
Applicant Address	3F, No. 529, Chung Cheng Rd., Hsintien, Taipei, Taiwan
IC ID	3616C-ZF7762
Manufacturer's Company	Senao Networks, Inc.
Manufacturer Address	3F, No. 529, Chung Cheng Rd., Hsintien, Taipei, Taiwan

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Tsuen, Lin Kou Hsiang, Taipei Hsien 244, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

TABLE OF CONTENTS

1. CERTIFICATION

PRODUCT:	Zone Flex 7762 AccessPoint
MODEL NO.:	ZF7762
BRAND:	Ruckus
APPLICANT:	Senao Networks Inc.
TEST SAMPLE:	R&D SAMPLE
TESTED:	Jul. 07 ~ Sep. 02, 2009
STANDARDS:	**Canada RSS-210 Issue 7 (June 2007)**
	Canada RSS-Gen Issue 2 (June 2007)
	ANSI C63.4-2003

The above equipment (Model: ZF7762) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Peggy Chen , **DATE:** Sep. 04, 2009
Peggy Chen / Specialist

TECHNICAL ACCEPTANCE : Long Chen , **DATE:** Sep. 04, 2009
Responsible for RF
Long Chen / Senior Engineer

APPROVED BY : Gary Chang , **DATE:** Sep. 04, 2009
Gary Chang / Assistant Manager

2. SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: RSS-210, RSS-Gen			
Standard Section **RSS-Gen**	**Test Type and Limit**	**Result**	**Remark**
7.2.2	AC Power Conducted Emission	PASS	Meet the requirement of limit. Minimum passing margin is -0.03dB at 0.931MHz.
6	Receiver Radiated Emissions RSS-210 Limit: Table 3	PASS	Meet the requirement of limit. Minimum passing margin is -1.25dB at 70.73MHz
Standard Section **RSS-210**	**Test Type and Limit**	**Result**	**Remark**
A9.3	Electric Field Strength Spurious Emissions, 30MHz ~ 40000MHz	PASS	Meet the requirement of limit. Minimum passing margin is -0.31dB at 10640.00MHz.
A9.2	Peak Transmit Power	PASS	Meet the requirement of limit
A9.2	Peak Power Spectral Density	PASS	Meet the requirement of limit
-	Peak Power Excursion	PASS	Meet the requirement of limit
A9.5 (5)	Frequency Stability	PASS	Meet the requirement of limit

NOTE: The "Receiver Radiated Emission measurement" and "20dB Emission Bandwidth measurement" were recorded in Appendix B of this report.

2.1 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	150kHz~30MHz	2.44 dB
Radiated emissions	30MHz ~ 200MHz	3.34 dB
	200MHz ~1000MHz	3.35 dB
	1GHz ~ 18GHz	2.26 dB
	18GHz ~ 40GHz	1.94 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

EUT	Zone Flex 7762 AccessPoint
MODEL NO.	ZF7762
IC ID	3616C-ZF7762
POWER SUPPLY	12Vdc from DC power supply 48Vdc from POE
MODULATION TYPE	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
MODULATION TECHNOLOGY	DSSS, OFDM
TRANSFER RATE	802.11a: 54.0/ 48.0/ 36.0/ 24.0/ 18.0/ 12.0/ 9.0/ 6.0Mbps Draft 802.11n: up to 270.0Mbps
FREQUENCY RANGE	5180 ~ 5320MHz & 5500 ~ 5700MHz
NUMBER OF CHANNEL	5180 ~ 5320MHz: 8 for 802.11a, draft 802.11n (20MHz) 4 for draft 802.11n (40MHz) 5500 ~ 5700MHz: 11 for 802.11a, draft 802.11n (20MHz) 5 for draft 802.11n (40MHz)
OUTPUT POWER	38.766mW for 5180 ~ 5240MHz 221.20mW for 5260 ~ 5320MHz 221.54mW for 5500 ~ 5700MHz
ANTENNA TYPE	Internal: Proprietary omni antenna with 3dBi gain External: Directional Panel antenna with 14dBi gain (Option)
DATA CABLE	NA
I/O PORTS	Refer to user's manual
ACCESSORY DEVICES	PoE, adapter(for PoE use)

NOTE:

1. The EUT is a Zone Flex 7762 AccessPoint. The functions of EUT listed as below:

	TEST STANDARD	REFERENCE REPORT
WLAN 802.11b/g, draft 802.11n	RSS-210 (ANNEX 8)	IC980504L06A
WLAN 802.11a, draft 802.11n (5745~5825 MHz)		
WLAN 802.11a, draft 802.11n (5180~ 5320, 5500~5700MHz)	RSS-210 (ANNEX 9)	IC980504L06A-1

2. The EUT was operated with following PoE:

MODEL:	NPE-5818at

The adapter of PoE:

BRAND:	Ruckus
MODEL:	GS60A48
INPUT:	100-240Vac, 50-60Hz, 1.4A
OUTPUT:	48Vdc, 1.25A
POWER LINE:	1.8m non-shielded cable with one core

3. The frequency bands used in this EUT are listed as follows:

Frequency Band (MHz)	2412~2462	5180~5320	5500~5700	5745~5825
802.11b	√			
802.11g	√			
802.11a		√	√	√
Draft 802.11n (20MHz)	√	√	√	√
Draft 802.11n (40MHz)	√	√	√	√

4. The EUT incorporates a MIMO function. Physically, the EUT provides three completed transmitters and three receivers or two completed transmitters and two receivers.

MODULATION MODE	TX FUNCTION	
	INTERNAL ANTENNA (For 2.4G & 5.0GHz band)	EXTERNAL ANTENNA (For 5.0GHz band only)
802.11b	3TX	-
802.11g	3TX	-
802.11a	3TX	2TX
Draft 802.11n (20MHz)	3TX	2TX
Draft 802.11n (40MHz)	3TX	2TX

5. The internal and external works separately. In firmware, when external antenna plug in, the major transmission would program from external antenna. Two antennas will not transmit simultaneously. It was controlled by firmware.
6. The above EUT information was declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications or user's manual.

3.2 DESCRIPTION OF TEST MODES

Operated in 5180 ~ 5320MHz

8 channels are provided for 802.11a, draft 802.11n (20MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
36	5180 MHz	52	5260 MHz
40	5200 MHz	56	5280 MHz
44	5220 MHz	60	5300 MHz
48	5240 MHz	64	5320 MHz

4 channels are provided for draft 802.11n (40MHz):

CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
38	5190 MHz	54	5270 MHz
46	5230 MHz	62	5310 MHz

Operated in 5500 ~ 5700MHz

11 channels are provided for 802.11a, draft 802.11n (20MHz):

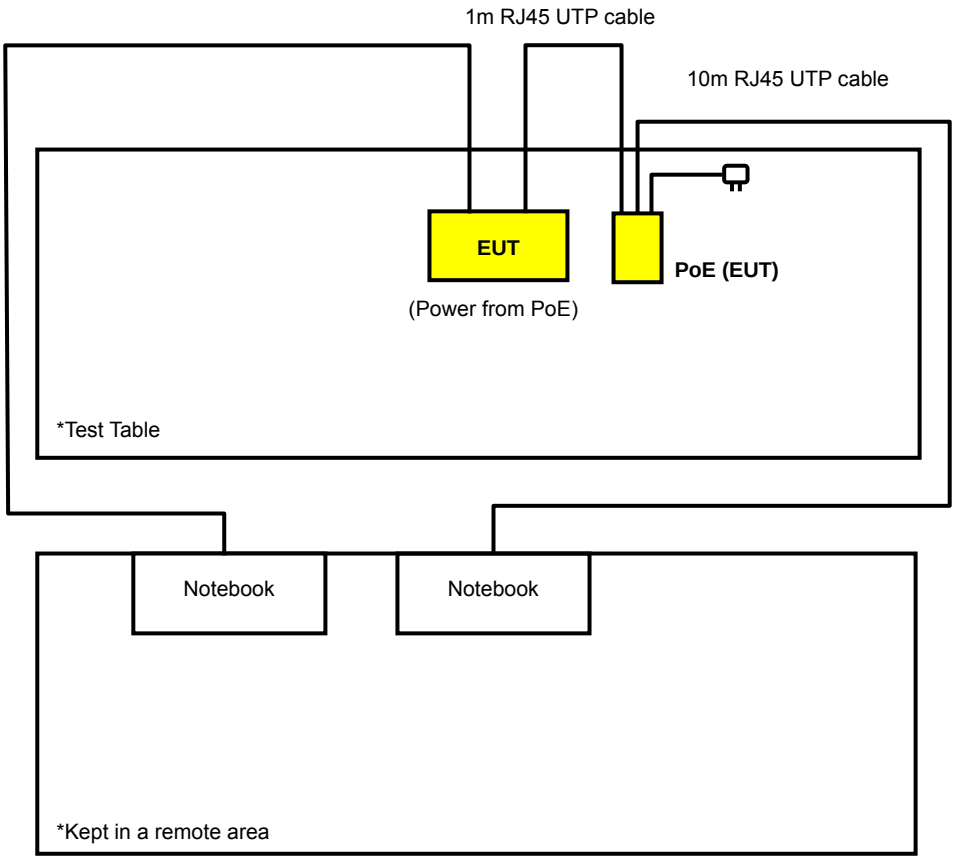
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
100	5500 MHz	124	5620 MHz
104	5520 MHz	128	5640 MHz
108	5540 MHz	132	5660 MHz
112	5560 MHz	136	5680 MHz
116	5580 MHz	140	5700 MHz
120	5600 MHz		

5 channels are provided for draft 802.11n (40MHz):

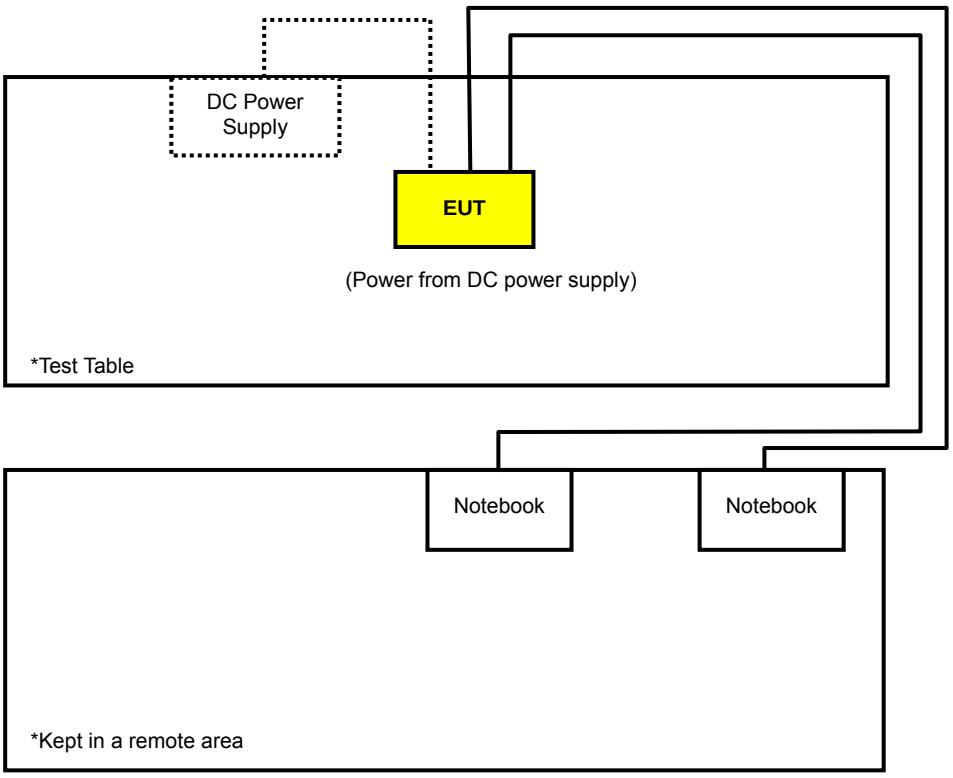
CHANNEL	FREQUENCY	CHANNEL	FREQUENCY
102	5510MHz	126	5630MHz
110	5550MHz	134	5670MHz
118	5590MHz		

3.2.1 CONFIGURATION OF SYSTEM UNDER TEST

TEST MODE A, C



TEST MODE B, D


DC Power Supply
EUT
(Power from DC power supply)
*Test Table
Notebook
Notebook
*Kept in a remote area

3.2.2 TEST MODE APPLICABILITY AND TESTED CHANNEL DETAIL

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION	
	RE≥1G	RE<1G	PLC	APCM	Antenna	Power Source
A	√	√	√	√	Internal	Power from PoE
B	-	√	√	-		Power from DC power supply
C	√	√	√	√	External	Power from PoE
D	-	√	√	-		Power from DC power supply

Where **RE≥1G:** Radiated Emission above 1GHz **RE<1G:** Radiated Emission below 1GHz

PLC: Power Line Conducted Emission **APCM:** Antenna Port Conducted Measurement

NOTE: "-" means no effect.

RADIATED EMISSION TEST (ABOVE 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	AXIS
A & C	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0	Z
A & C	802.11a	5500-5700	100 to 140	100, 120, 140	OFDM	BPSK	6.0	Z
A & C	Draft 802.11n (20MHz)	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.5	Z
A & C	Draft 802.11n (20MHz)	5500-5700	100 to 140	100, 120, 140	OFDM	BPSK	6.5	Z
A & C	Draft 802.11n (40MHz)	5180-5320	38 to 62	38, 46, 54, 62	OFDM	BPSK	13.5	Z
A & C	Draft 802.11n (40MHz)	5500-5700	102 to 134	102, 118, 134	OFDM	BPSK	13.5	Z

RADIATED EMISSION TEST (BELOW 1GHz):

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	AXIS
A & B	Draft 802.11n (40MHz)	5180-5320	38 to 46	40	OFDM	BPSK	13.5	Z
	802.11a		36 to 64	52	OFDM	BPSK	6.0	Z
C & D	Draft 802.11n (40MHz)		38 to 46	40	OFDM	BPSK	13.5	Z
	Draft 802.11n (20MHz)		36 to 64	60	OFDM	BPSK	6.5	Z
A & B	802.11a	5500-5700	100 to 140	140	OFDM	BPSK	6.0	Z
C & D	Draft 802.11n (20MHz)		100 to 140	140	OFDM	BPSK	6.5	Z

POWER LINE CONDUCTED EMISSION TEST:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A & B	Draft 802.11n (40MHz)	5180-5320	38 to 46	40	OFDM	BPSK	13.5
	802.11a		36 to 64	52	OFDM	BPSK	6.0
C & D	Draft 802.11n (40MHz)		38 to 46	40	OFDM	BPSK	13.5
	Draft 802.11n (20MHz)		36 to 64	60	OFDM	BPSK	6.5
A & B	802.11a	5500-5700	100 to 140	140	OFDM	BPSK	6.0
C & D	Draft 802.11n (20MHz)		100 to 140	140	OFDM	BPSK	6.5

BANDEDGE MEASUREMENT:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)	AXIS
A & C	802.11a	5180-5320	36 to 64	36, 48, 52, 64	OFDM	BPSK	6.0	Z
A & C	802.11a	5500-5700	100 to 140	100, 140	OFDM	BPSK	6.0	Z
A & C	Draft 802.11n (20MHz)	5180-5320	36 to 64	36, 48, 52, 64	OFDM	BPSK	6.5	Z
A & C	Draft 802.11n (20MHz)	5500-5700	100 to 140	100, 140	OFDM	BPSK	6.5	Z
A & C	Draft 802.11n (40MHz)	5180-5320	36 to 64	38, 46, 54, 62	OFDM	BPSK	13.5	Z
A & C	Draft 802.11n (40MHz)	5500-5700	102 to 134	102, 134	OFDM	BPSK	13.5	Z

ANTENNA PORT CONDUCTED MEASUREMENT:

☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).

☒ Following channel(s) was (were) selected for the final test as listed below.

EUT CONFIGURE MODE	MODE	FREQ. BAND (MHz)	AVAILABLE CHANNEL	TESTED CHANNEL	MODULATION TECHNOLOGY	MODULATION TYPE	DATA RATE (Mbps)
A & C	802.11a	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.0
A & C	802.11a	5500-5700	100 to 140	100, 120, 140	OFDM	BPSK	6.0
A & C	Draft 802.11n (20MHz)	5180-5320	36 to 64	36, 40, 48, 52, 60, 64	OFDM	BPSK	6.5
A & C	Draft 802.11n (20MHz)	5500-5700	100 to 140	100, 120, 140	OFDM	BPSK	6.5
A & C	Draft 802.11n (40MHz)	5180-5320	38 to 62	38, 46, 54, 62	OFDM	BPSK	13.5
A & C	Draft 802.11n (40MHz)	5500-5700	102 to 134	102, 118, 134	OFDM	BPSK	13.5

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

Canada RSS-210 Issue 7 (June 2007)
Canada RSS-Gen Issue 2 (June 2007)
ANSI C63.4-2003

All test items have been performed and recorded as per the above standards.

3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC POWER SUPPLY	Topward	TF-6306A	727263	NA
2	NOTEBOOK COMPUTER	DELL	PP05L	12130898320	E2K24CLNS
3	NOTEBOOK COMPUTER	DELL	PP05L	9954115984	E2K24CLNS

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	NA
2	10m RJ45 cable
3	10m RJ45 cable

NOTE 1: All power cords of the above support units are non shielded (1.8m).
NOTE 2: Item 2, 3 acted as communication partners to transfer data.

4. TEST TYPES AND RESULTS

4.1 RADIATED EMISSION MEASUREMENT

4.1.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 (RSS-210 table 2, 3) as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.1.2 LIMITS OF UNWANTED EMISSION OUT OF THE RESTRICTED BANDS

FREQUENCIES (MHz)	EIRP LIMIT (dBm)	EQUIVALENT FIELD STRENGTH AT 3m (dBμV/m) *NOTE
	PK	PK
5150 ~ 5350	-27	68.3
5470 ~ 5725	-27	68.3

NOTE:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3}$$ μV/m, where P is the eirp (Watts).

4.1.3 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESI7	100033	Jul. 06, 2009	Jul. 05, 2010
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100076	May 26, 2009	May 25, 2010
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Apr. 27, 2009	Apr. 26, 2010
HORN Antenna SCHWARZBECK	9120D	9120D-209	Jul. 01, 2009	Jun. 30, 2010
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170243	Dec. 25, 2008	Dec. 24, 2009
Preamplifier Agilent	8447D	2944A10633	Nov. 03, 2008	Nov. 02, 2009
Preamplifier Agilent	8449B	3008A01964	Oct. 23, 2008	Oct. 22, 2009
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	238141/4	May 13, 2009	May 12, 2010
RF signal cable HUBER+SUHNNER	SUCOFLEX 104	12738/6	May 13, 2009	May 12, 2010
Software ADT.	ADT_Radiated_ V7.6.15.9.2	NA	NA	NA
Antenna Tower inn-co GmbH	MA 4000	013303	NA	NA
Antenna Tower Controller inn-co GmbH	CO2000	017303	NA	NA
Turn Table ADT.	TT100.	TT93021703	NA	NA
Turn Table Controller ADT.	SC100.	SC93021703	NA	NA
26GHz ~ 40GHz Amplifier	EM26400	07026401	Sep. 10, 2008	Sep. 09, 2009

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 3.

3. The horn antenna and HP preamplifier (model: 8449B) are used only for the measurement of emission frequency above 1GHz if tested.

4. The FCC Site Registration No. is 988962.

5. The IC Site Registration No. is IC 7450F-3.

4.1.4 TEST PROCEDURES

a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

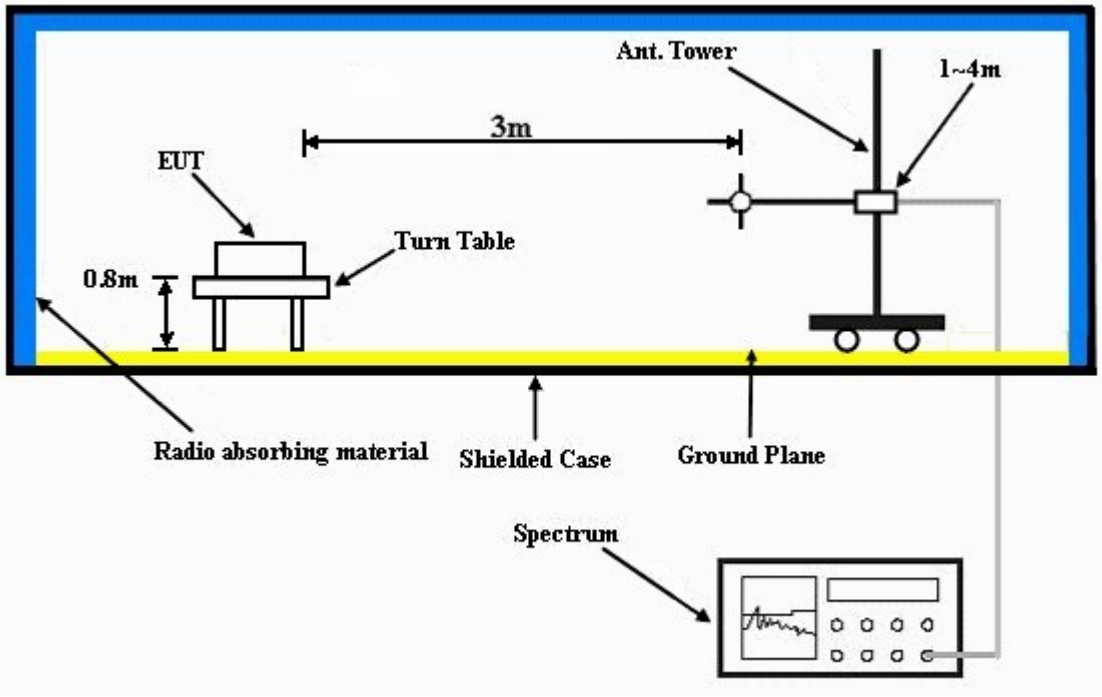
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Peak detection (PK) and Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

4.1.5 DEVIATION FROM TEST STANDARD

No deviation

4.1.6 TEST SETUP



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.7 EUT OPERATING CONDITION

a. Placed the EUT on the testing table.
b. Prepared two notebook systems to act as communication partners and placed them outside of testing area.
c. The communication partners run a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency via RJ45 cables.
d. The communication partners sent data to EUT by command "PING".

4.1.8 TEST RESULTS

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	65.42 PK	74.00	-8.58	1.00 H	178	28.38	37.04
2	5150.00	48.36 AV	54.00	-5.64	1.00 H	178	11.32	37.04
3	*5180.00	107.85 PK			1.00 H	178	70.78	37.07
4	*5180.00	97.21 AV			1.00 H	178	60.14	37.07
5	#10360.00	66.82 PK	68.30	-1.48	1.04 H	219	19.56	47.26
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	5150.00	63.12 PK	74.00	-10.88	1.02 V	96	26.08	37.04
2	5150.00	46.03 AV	54.00	-7.97	1.02 V	96	8.99	37.04
3	*5180.00	106.36 PK			1.02 V	96	69.29	37.07
4	*5180.00	95.74 AV			1.02 V	96	58.67	37.07
5	#10360.00	67.68 PK	68.30	-0.62	1.31 V	15	20.42	47.26

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5200.00	107.76 PK			1.01 H	179	70.67	37.09
2	*5200.00	97.04 AV			1.01 H	179	59.95	37.09
3	#10400.00	66.95 PK	68.30	-1.35	1.01 H	235	19.48	47.47
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	*5200.00	106.21 PK			1.03 V	95	69.12	37.09
2	*5200.00	95.64 AV			1.03 V	95	58.55	37.09
3	#10400.00	67.51 PK	68.30	-0.79	1.30 V	24	20.04	47.47

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5240.00	107.65 PK			1.02 H	183	70.45	37.20
2	*5240.00	96.92 AV			1.02 H	183	59.72	37.20
3	5350.00	51.46 PK	74.00	-22.54	1.02 H	183	14.06	37.40
4	5350.00	38.49 AV	54.00	-15.51	1.02 H	183	1.09	37.40
5	#10480.00	66.58 PK	68.30	-1.72	1.06 H	223	18.92	47.66
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	*5240.00	106.13 PK			1.04 V	96	68.93	37.20
2	*5240.00	95.58 AV			1.04 V	96	58.38	37.20
3	5350.00	50.25 PK	74.00	-23.75	1.04 V	96	12.85	37.40
4	5350.00	36.84 AV	54.00	-17.16	1.04 V	96	-0.56	37.40
5	#10480.00	67.42 PK	68.30	-0.88	1.09 V	26	19.76	47.66

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	60.62 PK	74.00	-13.38	1.04 H	191	23.58	37.04
2	5150.00	47.59 AV	54.00	-6.41	1.04 H	191	10.55	37.04
3	*5260.00	114.82 PK			1.04 H	191	77.56	37.26
4	*5260.00	104.04 AV			1.04 H	191	66.78	37.26
5	#10520.00	66.84 PK	68.30	-1.46	1.08 H	219	19.07	47.77
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	5150.00	58.14 PK	74.00	-15.86	1.05 V	99	21.10	37.04
2	5150.00	45.02 AV	54.00	-8.98	1.05 V	99	7.98	37.04
3	*5260.00	113.24 PK			1.05 V	99	75.98	37.26
4	*5260.00	102.65 AV			1.05 V	99	65.39	37.26
5	#10520.00	67.65 PK	68.30	-0.65	1.08 V	66	19.88	47.77

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5300.00	114.69 PK			1.05 H	194	77.32	37.37
2	*5300.00	103.84 AV			1.05 H	194	66.47	37.37
3	10600.00	67.85 PK	74.00	-6.15	1.03 H	214	19.86	47.99
4	10600.00	52.81 AV	54.00	-1.19	1.03 H	214	4.82	47.99
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	*5300.00	113.02 PK			1.06 V	103	75.65	37.37
2	*5300.00	102.41 AV			1.06 V	103	65.04	37.37
3	10600.00	68.24 PK	74.00	-5.76	1.01 V	219	20.25	47.99
4	10600.00	53.22 AV	54.00	-0.78	1.01 V	219	5.23	47.99

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5320.00	114.86 PK			1.06 H	195	77.48	37.38
2	*5320.00	104.02 AV			1.06 H	195	66.64	37.38
3	5350.00	70.16 PK	74.00	-3.84	1.06 H	195	32.76	37.40
4	5350.00	51.41 AV	54.00	-2.59	1.06 H	195	14.01	37.40
5	10640.00	67.65 PK	74.00	-6.35	1.03 H	26	19.62	48.03
6	10640.00	52.61 AV	54.00	-1.39	1.03 H	26	4.58	48.03
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	*5320.00	113.34 PK			1.05 V	106	75.96	37.38
2	*5320.00	102.75 AV			1.05 V	106	65.37	37.38
3	5350.00	68.81 PK	74.00	-5.19	1.05 V	106	31.41	37.40
4	5350.00	50.25 AV	54.00	-3.75	1.05 V	106	12.85	37.40
5	10640.00	68.84 PK	74.00	-5.16	1.00 V	221	20.81	48.03
6	**10640.00**	**53.69 AV**	**54.00**	**-0.31**	**1.00 V**	**221**	**5.66**	**48.03**

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5460.00	62.45 PK	74.00	-11.55	1.03 H	239	24.95	37.50
2	5460.00	47.92 AV	54.00	-6.08	1.03 H	239	10.42	37.50
3	#5470.00	66.60 PK	68.30	-1.70	1.03 H	239	29.09	37.51
4	*5500.00	115.19 PK			1.03 H	239	77.64	37.55
5	*5500.00	104.68 AV			1.03 H	239	67.13	37.55
6	11000.00	67.14 PK	74.00	-6.86	1.09 H	216	18.64	48.50
7	11000.00	52.48 AV	54.00	-1.52	1.09 H	216	3.98	48.50
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	5460.00	61.22 PK	74.00	-12.78	1.06 V	109	23.72	37.50
2	5460.00	46.65 AV	54.00	-7.35	1.06 V	109	9.15	37.50
3	#5470.00	65.23 PK	68.30	-3.07	1.06 V	109	27.72	37.51
4	*5500.00	113.46 PK			1.06 V	109	75.91	37.55
5	*5500.00	102.85 AV			1.06 V	109	65.30	37.55
6	11000.00	68.39 PK	74.00	-5.61	1.11 V	220	19.89	48.50
7	11000.00	53.68 AV	54.00	-0.32	1.11 V	220	5.18	48.50

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 120	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5600.00	115.02 PK			1.04 H	245	77.27	37.75
2	*5600.00	104.53 AV			1.04 H	245	66.78	37.75
3	11200.00	67.36 PK	74.00	-6.64	1.11 H	219	19.01	48.35
4	11200.00	52.61 AV	54.00	-1.39	1.11 H	219	4.26	48.35
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	*5600.00	113.31 PK			1.07 V	112	75.56	37.75
2	*5600.00	102.66 AV			1.07 V	112	64.91	37.75
3	11200.00	68.02 PK	74.00	-5.98	1.09 V	216	19.67	48.35
4	11200.00	53.31 AV	54.00	-0.69	1.09 V	216	4.96	48.35

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5700.00	115.30 PK			1.21 H	109	77.24	38.06
2	*5700.00	104.75 AV			1.21 H	109	66.69	38.06
3	#5725.00	67.46 PK	68.30	-0.84	1.21 H	109	29.36	38.10
4	11400.00	67.82 PK	74.00	-6.18	1.51 H	138	19.49	48.33
5	11400.00	53.21 AV	54.00	-0.79	1.51 H	138	4.88	48.33
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	*5700.00	113.45 PK			1.09 V	114	75.39	38.06
2	*5700.00	102.80 AV			1.09 V	114	64.74	38.06
3	#5725.00	66.23 PK	68.30	-2.07	1.09 V	114	28.13	38.10
4	11400.00	68.38 PK	74.00	-5.62	1.80 V	201	20.05	48.33
5	11400.00	53.25 AV	54.00	-0.75	1.80 V	201	4.92	48.33

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	52.15 PK	74.00	-21.85	1.05 H	214	15.11	37.04
2	5150.00	35.04 AV	54.00	-18.96	1.05 H	214	-2.00	37.04
3	*5180.00	90.53 PK			1.05 H	214	53.46	37.07
4	*5180.00	79.92 AV			1.05 H	214	42.85	37.07
5	#10360.00	66.53 PK	68.30	-1.77	1.14 H	235	19.27	47.26
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	5150.00	65.21 PK	74.00	-8.79	1.02 V	179	28.17	37.04
2	5150.00	48.13 AV	54.00	-5.87	1.02 V	179	11.09	37.04
3	*5180.00	107.68 PK			1.02 V	179	70.61	37.07
4	*5180.00	97.04 AV			1.02 V	179	59.97	37.07
5	#10360.00	67.45 PK	68.30	-0.85	1.03 V	224	20.19	47.26

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5200.00	90.41 PK			1.06 H	209	53.32	37.09
2	*5200.00	79.83 AV			1.06 H	209	42.74	37.09
3	#10400.00	66.69 PK	68.30	-1.61	1.06 H	199	19.22	47.47
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	*5200.00	107.53 PK			1.03 V	182	70.44	37.09
2	*5200.00	96.86 AV			1.03 V	182	59.77	37.09
3	#10400.00	67.34 PK	68.30	-0.96	1.05 V	201	19.87	47.47

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5240.00	107.53 PK			1.04 H	186	70.33	37.20
2	*5240.00	96.81 AV			1.04 H	186	59.61	37.20
3	5350.00	51.35 PK	74.00	-22.65	1.04 H	186	13.95	37.40
4	5350.00	38.32 AV	54.00	-15.68	1.04 H	186	0.92	37.40
5	#10480.00	66.35 PK	68.30	-1.95	1.09 H	217	18.69	47.66
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	*5240.00	106.02 PK			1.05 V	101	68.82	37.20
2	*5240.00	95.43 AV			1.05 V	101	58.23	37.20
3	5350.00	50.12 PK	74.00	-23.88	1.05 V	101	12.72	37.40
4	5350.00	36.69 AV	54.00	-17.31	1.05 V	101	-0.71	37.40
5	#10480.00	67.21 PK	68.30	-1.09	1.12 V	35	19.55	47.66

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	59.42 PK	74.00	-14.58	1.03 H	188	22.38	37.04
2	5150.00	46.74 AV	54.00	-7.26	1.03 H	188	9.70	37.04
3	*5260.00	100.41 PK			1.03 H	192	63.15	37.26
4	*5260.00	89.83 AV			1.03 H	192	52.57	37.26
5	#10520.00	67.04 PK	68.30	-1.26	1.08 H	204	19.27	47.77
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	5150.00	61.45 PK	74.00	-12.55	1.08 V	193	24.41	37.04
2	5150.00	48.58 AV	54.00	-5.42	1.08 V	193	11.54	37.04
3	*5260.00	117.67 PK			1.06 V	189	80.41	37.26
4	*5260.00	106.89 AV			1.06 V	189	69.63	37.26
5	#10520.00	67.29 PK	68.30	-1.01	1.06 V	215	19.52	47.77

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5300.00	100.32 PK			1.05 H	198	62.95	37.37
2	*5300.00	89.75 AV			1.05 H	198	52.38	37.37
3	10600.00	67.62 PK	74.00	-6.38	1.14 H	205	19.63	47.99
4	10600.00	52.59 AV	54.00	-1.41	1.14 H	205	4.60	47.99
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	*5300.00	117.52 PK			1.05 V	194	80.15	37.37
2	*5300.00	106.74 AV			1.05 V	194	69.37	37.37
3	10600.00	67.95 PK	74.00	-6.05	1.04 V	198	19.96	47.99
4	10600.00	52.89 AV	54.00	-1.11	1.04 V	198	4.90	47.99

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5320.00	100.21 PK			1.05 H	187	62.83	37.38
2	*5320.00	89.75 AV			1.05 H	187	52.37	37.38
3	5350.00	61.84 PK	74.00	-12.16	1.05 H	187	24.44	37.40
4	5350.00	43.02 AV	54.00	-10.98	1.05 H	187	5.62	37.40
5	10640.00	67.51 PK	74.00	-6.49	1.10 H	39	19.48	48.03
6	10640.00	52.48 AV	54.00	-1.52	1.10 H	39	4.45	48.03
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	*5320.00	117.63 PK			1.05 V	201	80.25	37.38
2	*5320.00	106.84 AV			1.05 V	201	69.46	37.38
3	5350.00	72.05 PK	74.00	-1.95	1.05 V	201	34.65	37.40
4	5350.00	53.28 AV	54.00	-0.72	1.05 V	201	15.88	37.40
5	10640.00	68.61 PK	74.00	-5.39	1.01 V	223	20.58	48.03
6	10640.00	53.42 AV	54.00	-0.58	1.01 V	223	5.39	48.03

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5460.00	57.22 PK	74.00	-16.78	1.04 H	211	19.72	37.50
2	5460.00	42.65 AV	54.00	-11.35	1.04 H	211	5.15	37.50
3	#5470.00	65.31 PK	68.30	-2.99	1.04 H	211	27.80	37.51
4	*5500.00	100.52 PK			1.04 H	211	62.97	37.55
5	*5500.00	90.18 AV			1.04 H	211	52.63	37.55
6	11000.00	67.02 PK	74.00	-6.98	1.07 H	223	18.52	48.50
7	11000.00	52.29 AV	54.00	-1.71	1.07 H	223	3.79	48.50
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	5460.00	67.01 PK	74.00	-6.99	1.05 V	218	29.51	37.50
2	5460.00	53.44 AV	54.00	-0.56	1.05 V	218	15.94	37.50
3	#5470.00	67.42 PK	68.30	-0.88	1.05 V	218	29.91	37.51
4	*5500.00	117.85 PK			1.05 V	218	80.30	37.55
5	*5500.00	107.46 AV			1.05 V	218	69.91	37.55
6	11000.00	68.21 PK	74.00	-5.79	1.08 V	206	19.71	48.50
7	11000.00	53.52 AV	54.00	-0.48	1.08 V	206	5.02	48.50

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 120	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5600.00	100.31 PK			1.06 H	219	62.56	37.75
2	*5600.00	90.01 AV			1.06 H	219	52.26	37.75
3	11200.00	66.92 PK	74.00	-7.08	1.05 H	214	18.57	48.35
4	11200.00	52.14 AV	54.00	-1.86	1.05 H	214	3.79	48.35
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	*5600.00	117.71 PK			1.06 V	214	79.96	37.75
2	*5600.00	107.29 AV			1.06 V	214	69.54	37.75
3	11200.00	68.15 PK	74.00	-5.85	1.09 V	211	19.80	48.35
4	11200.00	53.41 AV	54.00	-0.59	1.09 V	211	5.06	48.35

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5700.00	100.68 PK			1.01 H	206	62.62	38.06
2	*5700.00	90.34 AV			1.01 H	206	52.28	38.06
3	#5725.00	56.04 PK	68.30	-12.26	1.01 H	206	17.94	38.10
4	11400.00	67.13 PK	74.00	-6.87	1.05 H	201	18.80	48.33
5	11400.00	52.41 AV	54.00	-1.59	1.05 H	201	4.08	48.33
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	*5700.00	117.14 PK			1.09 V	204	79.08	38.06
2	*5700.00	107.62 AV			1.09 V	204	69.56	38.06
3	#5725.00	67.23 PK	68.30	-1.07	1.09 V	204	29.13	38.10
4	11400.00	68.03 PK	74.00	-5.97	1.05 V	213	19.70	48.33
5	11400.00	53.24 AV	54.00	-0.76	1.05 V	213	4.91	48.33

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	65.31 PK	74.00	-8.69	1.01 H	182	28.27	37.04
2	5150.00	48.25 AV	54.00	-5.75	1.01 H	182	11.21	37.04
3	*5180.00	107.63 PK			1.01 H	182	70.56	37.07
4	*5180.00	97.02 AV			1.01 H	182	59.95	37.07
5	#10360.00	66.65 PK	68.30	-1.65	1.10 H	234	19.39	47.26
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	5150.00	63.02 PK	74.00	-10.98	1.03 V	99	25.98	37.04
2	5150.00	45.95 AV	54.00	-8.05	1.03 V	99	8.91	37.04
3	*5180.00	106.25 PK			1.03 V	99	69.18	37.07
4	*5180.00	95.63 AV			1.03 V	99	58.56	37.07
5	#10360.00	67.53 PK	68.30	-0.77	1.28 V	27	20.27	47.26

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5200.00	107.62 PK			1.02 H	183	70.53	37.09
2	*5200.00	96.91 AV			1.02 H	183	59.82	37.09
3	#10400.00	67.13 PK	68.30	-1.17	1.02 H	199	19.66	47.47
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	*5200.00	106.03 PK			1.05 V	98	68.94	37.09
2	*5200.00	95.46 AV			1.05 V	98	58.37	37.09
3	#10400.00	67.36 PK	68.30	-0.94	1.26 V	38	19.89	47.47

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5240.00	107.53 PK			1.04 H	186	70.33	37.20
2	*5240.00	96.81 AV			1.04 H	186	59.61	37.20
3	5350.00	51.35 PK	74.00	-22.65	1.04 H	186	13.95	37.40
4	5350.00	38.32 AV	54.00	-15.68	1.04 H	186	0.92	37.40
5	#10480.00	66.35 PK	68.30	-1.95	1.09 H	217	18.69	47.66
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	*5240.00	106.02 PK			1.05 V	101	68.82	37.20
2	*5240.00	95.43 AV			1.05 V	101	58.23	37.20
3	5350.00	50.12 PK	74.00	-23.88	1.05 V	101	12.72	37.40
4	5350.00	36.69 AV	54.00	-17.31	1.05 V	101	-0.71	37.40
5	#10480.00	67.21 PK	68.30	-1.09	1.12 V	35	19.55	47.66

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	60.75 PK	74.00	-13.25	1.05 H	205	23.71	37.04
2	5150.00	47.66 AV	54.00	-6.34	1.05 H	205	10.62	37.04
3	*5260.00	114.66 PK			1.06 H	203	77.40	37.26
4	*5260.00	103.85 AV			1.06 H	203	66.59	37.26
5	#10520.00	66.63 PK	68.30	-1.67	1.01 H	245	18.86	47.77
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	5150.00	58.22 PK	74.00	-15.78	1.08 V	106	21.18	37.04
2	5150.00	45.14 AV	54.00	-8.86	1.08 V	106	8.10	37.04
3	*5260.00	103.11 PK			1.08 V	104	65.85	37.26
4	*5260.00	102.52 AV			1.08 V	104	65.26	37.26
5	#10520.00	67.42 PK	68.30	-0.88	1.11 V	58	19.65	47.77

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5300.00	114.45 PK			1.06 H	198	77.08	37.37
2	*5300.00	103.63 AV			1.06 H	198	66.26	37.37
3	10600.00	67.62 PK	74.00	-6.38	1.04 H	198	19.63	47.99
4	10600.00	52.56 AV	54.00	-1.44	1.04 H	198	4.57	47.99
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	*5300.00	112.82 PK			1.08 V	106	75.45	37.37
2	*5300.00	102.23 AV			1.08 V	106	64.86	37.37
3	10600.00	68.11 PK	74.00	-5.89	1.02 V	224	20.12	47.99
4	10600.00	53.06 AV	54.00	-0.94	1.02 V	224	5.07	47.99

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5320.00	114.61 PK			1.05 H	198	77.23	37.38
2	*5320.00	103.83 AV			1.05 H	198	66.45	37.38
3	5350.00	70.04 PK	74.00	-3.96	1.05 H	198	32.64	37.40
4	5350.00	51.32 AV	54.00	-2.68	1.05 H	198	13.92	37.40
5	10640.00	67.51 PK	74.00	-6.49	1.05 H	29	19.48	48.03
6	10640.00	52.49 AV	54.00	-1.51	1.05 H	29	4.46	48.03
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	*5320.00	113.11 PK			1.01 V	124	75.73	37.38
2	*5320.00	102.53 AV			1.01 V	124	65.15	37.38
3	5350.00	68.74 PK	74.00	-5.26	1.01 V	124	31.34	37.40
4	5350.00	50.12 AV	54.00	-3.88	1.01 V	124	12.72	37.40
5	10640.00	68.62 PK	74.00	-5.38	1.06 V	235	20.59	48.03
6	10640.00	53.45 AV	54.00	-0.55	1.06 V	235	5.42	48.03

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5460.00	62.31 PK	74.00	-11.69	1.04 H	241	24.81	37.50
2	5460.00	47.82 AV	54.00	-6.18	1.04 H	241	10.32	37.50
3	#5470.00	66.42 PK	68.30	-1.88	1.04 H	241	28.91	37.51
4	*5500.00	115.03 PK			1.04 H	241	77.48	37.55
5	*5500.00	104.54 AV			1.04 H	241	66.99	37.55
6	11000.00	67.03 PK	74.00	-6.97	1.11 H	219	18.53	48.50
7	11000.00	52.32 AV	54.00	-1.68	1.11 H	219	3.82	48.50
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	5460.00	61.03 PK	74.00	-12.97	1.05 V	112	23.53	37.50
2	5460.00	46.48 AV	54.00	-7.52	1.05 V	112	8.98	37.50
3	#5470.00	65.01 PK	68.30	-3.29	1.05 V	112	27.50	37.51
4	*5500.00	113.31 PK			1.05 V	112	75.76	37.55
5	*5500.00	102.72 AV			1.05 V	112	65.17	37.55
6	11000.00	68.22 PK	74.00	-5.78	1.09 V	218	19.72	48.50
7	11000.00	53.45 AV	54.00	-0.55	1.09 V	218	4.95	48.50

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 120	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5600.00	114.86 PK			1.05 H	242	77.11	37.75
2	*5600.00	104.39 AV			1.05 H	242	66.64	37.75
3	11200.00	67.49 PK	74.00	-6.51	1.08 H	231	19.14	48.35
4	11200.00	52.83 AV	54.00	-1.17	1.08 H	231	4.48	48.35
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	*5600.00	113.19 PK			1.09 V	115	75.44	37.75
2	*5600.00	102.52 AV			1.09 V	115	64.77	37.75
3	11200.00	67.81 PK	74.00	-6.19	1.10 V	195	19.46	48.35
4	11200.00	53.14 AV	54.00	-0.86	1.10 V	195	4.79	48.35

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5700.00	114.95 PK			1.20 H	113	76.89	38.06
2	*5700.00	104.43 AV			1.20 H	113	66.37	38.06
3	#5725.00	67.21 PK	68.30	-1.09	1.20 H	113	29.11	38.10
4	11400.00	67.63 PK	74.00	-6.37	1.48 H	132	19.30	48.33
5	11400.00	52.92 AV	54.00	-1.08	1.48 H	132	4.59	48.33
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	*5700.00	113.23 PK			1.10 V	119	75.17	38.06
2	*5700.00	102.61 AV			1.10 V	119	64.55	38.06
3	#5725.00	66.06 PK	68.30	-2.24	1.10 V	119	27.96	38.10
4	11400.00	68.13 PK	74.00	-5.87	1.72 V	185	19.80	48.33
5	11400.00	53.04 AV	54.00	-0.96	1.72 V	185	4.71	48.33

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 36	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	52.03 PK	74.00	-21.97	1.04 H	216	14.99	37.04
2	5150.00	34.92 AV	54.00	-19.08	1.04 H	216	-2.12	37.04
3	*5180.00	90.42 PK			1.04 H	216	53.35	37.07
4	*5180.00	79.81 AV			1.04 H	216	42.74	37.07
5	#10360.00	66.44 PK	68.30	-1.86	1.13 H	229	19.18	47.26
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	5150.00	65.03 PK	74.00	-8.97	1.05 V	186	27.99	37.04
2	5150.00	47.92 AV	54.00	-6.08	1.05 V	186	10.88	37.04
3	*5180.00	107.51 PK			1.05 V	186	70.44	37.07
4	*5180.00	96.87 AV			1.05 V	186	59.80	37.07
5	#10360.00	67.26 PK	68.30	-1.04	1.09 V	235	20.00	47.26

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 40	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5200.00	90.29 PK			1.08 H	213	53.20	37.09
2	*5200.00	79.71 AV			1.08 H	213	42.62	37.09
3	#10400.00	66.52 PK	68.30	-1.78	1.09 H	183	19.05	47.47
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	*5200.00	107.41 PK			1.05 V	193	70.32	37.09
2	*5200.00	96.72 AV			1.05 V	193	59.63	37.09
3	#10400.00	67.16 PK	68.30	-1.14	1.02 V	195	19.69	47.47

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 48	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5240.00	90.34 PK			1.01 H	217	53.14	37.20
2	*5240.00	79.68 AV			1.01 H	217	42.48	37.20
3	5350.00	49.12 PK	74.00	-24.88	1.01 H	217	11.72	37.40
4	5350.00	36.02 AV	54.00	-17.98	1.01 H	217	-1.38	37.40
5	#10480.00	67.13 PK	68.30	-1.17	1.10 H	194	19.47	47.66
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	*5240.00	107.41 PK			1.08 V	194	70.21	37.20
2	*5240.00	96.70 AV			1.08 V	194	59.50	37.20
3	5350.00	51.22 PK	74.00	-22.78	1.08 V	194	13.82	37.40
4	5350.00	38.14 AV	54.00	-15.86	1.08 V	194	0.74	37.40
5	#10480.00	67.25 PK	68.30	-1.05	1.13 V	194	19.59	47.66

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	59.48 PK	74.00	-14.52	1.05 H	205	22.44	37.04
2	5150.00	46.85 AV	54.00	-7.15	1.05 H	205	9.81	37.04
3	*5260.00	100.34 PK			1.05 H	201	63.08	37.26
4	*5260.00	89.75 AV			1.05 H	201	52.49	37.26
5	#10520.00	66.95 PK	68.30	-1.35	1.17 H	236	19.18	47.77
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	5150.00	61.52 PK	74.00	-12.48	1.04 V	183	24.48	37.04
2	5150.00	48.67 AV	54.00	-5.33	1.04 V	183	11.63	37.04
3	*5260.00	117.54 PK			1.06 V	192	80.28	37.26
4	*5260.00	106.76 AV			1.06 V	192	69.50	37.26
5	#10520.00	67.13 PK	68.30	-1.17	1.08 V	205	19.36	47.77

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5300.00	100.20 PK			1.08 H	202	62.83	37.37
2	*5300.00	89.63 AV			1.08 H	202	52.26	37.37
3	10600.00	67.51 PK	74.00	-6.49	1.19 H	182	19.52	47.99
4	10600.00	52.47 AV	54.00	-1.53	1.19 H	182	4.48	47.99
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	*5300.00	117.44 PK			1.03 V	192	80.07	37.37
2	*5300.00	106.66 AV			1.03 V	192	69.29	37.37
3	10600.00	67.88 PK	74.00	-6.12	1.01 V	203	19.89	47.99
4	10600.00	52.76 AV	54.00	-1.24	1.01 V	203	4.77	47.99

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 64	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5320.00	100.06 PK			1.04 H	193	62.68	37.38
2	*5320.00	89.62 AV			1.04 H	193	52.24	37.38
3	5350.00	61.72 PK	74.00	-12.28	1.04 H	193	24.32	37.40
4	5350.00	42.91 AV	54.00	-11.09	1.04 H	193	5.51	37.40
5	10640.00	67.39 PK	74.00	-6.61	1.07 H	42	19.36	48.03
6	10640.00	52.31 AV	54.00	-1.69	1.07 H	42	4.28	48.03
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	*5320.00	117.51 PK			1.03 V	196	80.13	37.38
2	*5320.00	106.71 AV			1.03 V	196	69.33	37.38
3	5350.00	71.84 PK	74.00	-2.16	1.03 V	196	34.44	37.40
4	5350.00	53.14 AV	54.00	-0.86	1.03 V	196	15.74	37.40
5	10640.00	68.53 PK	74.00	-5.47	1.04 V	216	20.50	48.03
6	10640.00	53.34 AV	54.00	-0.66	1.04 V	216	5.31	48.03

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 100	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5460.00	55.63 PK	74.00	-18.37	1.08 H	213	18.13	37.50
2	5460.00	40.52 AV	54.00	-13.48	1.08 H	213	3.02	37.50
3	#5470.00	65.12 PK	68.30	-3.18	1.08 H	213	27.61	37.51
4	*5500.00	100.41 PK			1.08 H	213	62.86	37.55
5	*5500.00	90.06 AV			1.08 H	213	52.51	37.55
6	11000.00	66.82 PK	74.00	-7.18	1.09 H	194	18.32	48.50
7	11000.00	52.05 AV	54.00	-1.95	1.09 H	194	3.55	48.50
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	5460.00	66.68 PK	74.00	-7.32	1.06 V	219	29.18	37.50
2	5460.00	53.25 AV	54.00	-0.75	1.06 V	219	15.75	37.50
3	#5470.00	67.31 PK	68.30	-0.99	1.06 V	219	29.80	37.51
4	*5500.00	117.68 PK			1.06 V	219	80.13	37.55
5	*5500.00	107.32 AV			1.06 V	219	69.77	37.55
6	11000.00	68.03 PK	74.00	-5.97	1.09 V	208	19.53	48.50
7	11000.00	53.41 AV	54.00	-0.59	1.09 V	208	4.91	48.50

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 120	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5600.00	100.15 PK			1.03 H	207	62.40	37.75
2	*5600.00	89.88 AV			1.03 H	207	52.13	37.75
3	11200.00	66.84 PK	74.00	-7.16	1.01 H	235	18.49	48.35
4	11200.00	52.03 AV	54.00	-1.97	1.01 H	235	3.68	48.35
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	*5600.00	117.62 PK			1.04 V	221	79.87	37.75
2	*5600.00	107.15 AV			1.04 V	221	69.40	37.75
3	11200.00	67.84 PK	74.00	-6.16	1.11 V	206	19.49	48.35
4	11200.00	53.04 AV	54.00	-0.96	1.11 V	206	4.69	48.35

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5700.00	100.53 PK			1.03 H	209	62.47	38.06
2	*5700.00	90.16 AV			1.03 H	209	52.10	38.06
3	#5725.00	55.92 PK	68.30	-12.38	1.03 H	209	17.82	38.10
4	11400.00	67.04 PK	74.00	-6.96	1.01 H	203	18.71	48.33
5	11400.00	52.29 AV	54.00	-1.71	1.01 H	203	3.96	48.33
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	*5700.00	118.02 PK			1.10 V	202	79.96	38.06
2	*5700.00	107.51 AV			1.10 V	202	69.45	38.06
3	#5725.00	67.13 PK	68.30	-1.17	1.10 V	202	29.03	38.10
4	11400.00	67.92 PK	74.00	-6.08	1.08 V	169	19.59	48.33
5	11400.00	53.01 AV	54.00	-0.99	1.08 V	169	4.68	48.33

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	66.54 PK	74.00	-7.46	1.01 H	182	29.51	37.04
2	5150.00	49.45 AV	54.00	-4.55	1.01 H	182	12.41	37.04
3	*5190.00	104.69 PK			1.01 H	182	67.61	37.08
4	*5190.00	94.12 AV			1.01 H	182	57.04	37.08
5	#10380.00	66.51 PK	68.30	-1.79	1.02 H	223	19.15	47.36
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	5150.00	62.03 PK	74.00	-11.97	1.05 V	106	24.99	37.04
2	5150.00	45.12 AV	54.00	-8.88	1.05 V	106	8.08	37.04
3	*5190.00	103.25 PK			1.05 V	106	66.17	37.08
4	*5190.00	92.61 AV			1.05 V	106	55.53	37.08
5	#10380.00	67.12 PK	68.30	-1.18	1.07 V	31	19.76	47.36

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5230.00	104.52 PK			1.04 H	185	67.35	37.17
2	*5230.00	94.03 AV			1.04 H	185	56.86	37.17
3	5350.00	51.85 PK	74.00	-22.15	1.04 H	185	14.45	37.40
4	5350.00	38.62 AV	54.00	-15.38	1.04 H	185	1.22	37.40
5	#10460.00	66.13 PK	68.30	-2.17	1.05 H	249	18.52	47.61
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	*5230.00	103.11 PK			1.06 V	109	65.94	37.17
2	*5230.00	92.48 AV			1.06 V	109	55.31	37.17
3	5350.00	50.46 PK	74.00	-23.54	1.06 V	109	13.06	37.40
4	5350.00	36.98 AV	54.00	-17.02	1.06 V	109	-0.42	37.40
5	#10460.00	66.87 PK	68.30	-1.43	1.01 V	235	19.26	47.61

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5150.00	61.12 PK	74.00	-12.88	1.04 H	192	24.08	37.04
2	5150.00	47.85 AV	54.00	-6.15	1.04 H	192	10.81	37.04
3	*5270.00	111.71 PK			1.05 H	196	74.42	37.29
4	*5270.00	100.92 AV			1.05 H	196	63.63	37.29
5	#10540.00	66.61 PK	68.30	-1.69	1.11 H	235	18.79	47.82
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	5150.00	58.45 PK	74.00	-15.55	1.07 V	108	21.41	37.04
2	5150.00	45.29 AV	54.00	-8.71	1.07 V	108	8.25	37.04
3	*5270.00	110.13 PK			1.06 V	101	72.84	37.29
4	*5270.00	99.52 AV			1.06 V	101	62.23	37.29
5	#10540.00	67.14 PK	68.30	-1.16	1.13 V	72	19.32	47.82

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5310.00	111.42 PK			1.05 H	202	74.04	37.38
2	*5310.00	100.65 AV			1.05 H	202	63.27	37.38
3	5350.00	71.13 PK	74.00	-2.87	1.05 H	202	33.73	37.40
4	5350.00	53.36 AV	54.00	-0.64	1.05 H	202	15.96	37.40
5	10620.00	67.42 PK	74.00	-6.58	1.04 H	213	19.41	48.01
6	10620.00	52.38 AV	54.00	-1.62	1.04 H	213	4.37	48.01
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	*5310.00	109.91 PK			1.09 V	96	72.53	37.38
2	*5310.00	99.12 AV			1.09 V	96	61.74	37.38
3	5350.00	69.85 PK	74.00	-4.15	1.09 V	96	32.45	37.40
4	5350.00	52.15 AV	54.00	-1.85	1.09 V	96	14.75	37.40
5	10620.00	68.15 PK	74.00	-5.85	1.03 V	204	20.14	48.01
6	10620.00	52.87 AV	54.00	-1.13	1.03 V	204	4.86	48.01

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 102	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	5460.00	66.95 PK	74.00	-7.05	1.05 H	241	29.45	37.50
2	5460.00	49.11 AV	54.00	-4.89	1.05 H	241	11.61	37.50
3	#5470.00	67.83 PK	68.30	-0.47	1.05 H	241	30.32	37.51
4	*5510.00	112.02 PK			1.05 H	241	74.45	37.57
5	*5510.00	101.54 AV			1.05 H	241	63.97	37.57
6	11020.00	66.85 PK	74.00	-7.15	1.13 H	195	18.36	48.49
7	11020.00	52.16 AV	54.00	-1.84	1.13 H	195	3.67	48.49
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	5460.00	65.81 PK	74.00	-8.19	1.05 V	110	28.31	37.50
2	5460.00	48.02 AV	54.00	-5.98	1.05 V	110	10.52	37.50
3	#5470.00	66.59 PK	68.30	-1.71	1.05 V	110	29.08	37.51
4	*5510.00	110.31 PK			1.05 V	110	72.74	37.57
5	*5510.00	99.68 AV			1.05 V	110	62.11	37.57
6	11020.00	68.02 PK	74.00	-5.98	1.09 V	218	19.53	48.49
7	11020.00	53.14 AV	54.00	-0.86	1.09 V	218	4.65	48.49

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 118	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5590.00	112.23 PK			1.06 H	245	74.50	37.73
2	*5590.00	101.81 AV			1.06 H	245	64.08	37.73
3	11180.00	66.64 PK	74.00	-7.36	1.09 H	187	18.27	48.37
4	11180.00	52.03 AV	54.00	-1.97	1.09 H	187	3.66	48.37
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	*5590.00	110.46 PK			1.07 V	115	72.73	37.73
2	*5590.00	99.82 AV			1.07 V	115	62.09	37.73
3	11180.00	67.91 PK	74.00	-6.09	1.07 V	205	19.54	48.37
4	11180.00	53.06 AV	54.00	-0.94	1.07 V	205	4.69	48.37

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	*5670.00	112.46 PK			1.09 H	251	74.49	37.97
2	*5670.00	102.02 AV			1.09 H	251	64.05	37.97
3	#5725.00	66.01 PK	68.30	-2.29	1.09 H	251	27.91	38.10
4	11340.00	66.92 PK	74.00	-7.08	1.12 H	195	18.50	48.42
5	11340.00	52.35 AV	54.00	-1.65	1.12 H	195	3.93	48.42
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	*5670.00	110.65 PK			1.09 V	118	72.68	37.97
2	*5670.00	100.01 AV			1.09 V	118	62.04	37.97
3	#5725.00	64.92 PK	68.30	-3.38	1.09 V	118	26.82	38.10
4	11340.00	67.24 PK	74.00	-6.76	1.01 V	158	18.82	48.42
5	11340.00	52.45 AV	54.00	-1.55	1.01 V	158	4.03	48.42

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 38	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	50.26 PK	74.00	-23.74	1.07 H	216	13.22	37.04
2	5150.00	33.18 AV	54.00	-20.82	1.07 H	216	-3.86	37.04
3	*5190.00	87.42 PK			1.07 H	216	50.34	37.08
4	*5190.00	76.75 AV			1.07 H	216	39.67	37.08
5	#10380.00	66.34 PK	68.30	-1.96	1.08 H	179	18.98	47.36
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	5150.00	66.42 PK	74.00	-7.58	1.02 V	186	29.38	37.04
2	5150.00	49.34 AV	54.00	-4.66	1.02 V	186	12.30	37.04
3	*5190.00	104.54 PK			1.02 V	186	67.46	37.08
4	*5190.00	94.03 AV			1.02 V	186	56.95	37.08
5	#10380.00	67.03 PK	68.30	-1.27	1.06 V	24	19.67	47.36

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5230.00	87.31 PK			1.09 H	217	50.14	37.17
2	*5230.00	76.62 AV			1.09 H	217	39.45	37.17
3	5350.00	50.36 PK	74.00	-23.64	1.09 H	217	12.96	37.40
4	5350.00	37.22 AV	54.00	-16.78	1.09 H	217	-0.18	37.40
5	#10460.00	66.15 PK	68.30	-2.15	1.05 H	193	18.54	47.61
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	*5230.00	104.46 PK			1.03 V	189	67.29	37.17
2	*5230.00	93.91 AV			1.03 V	189	56.74	37.17
3	5350.00	52.46 PK	74.00	-21.54	1.03 V	189	15.06	37.40
4	5350.00	39.45 AV	54.00	-14.55	1.03 V	189	2.05	37.40
5	#10460.00	66.84 PK	68.30	-1.46	1.03 V	211	19.23	47.61

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 54	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5150.00	59.54 PK	74.00	-14.46	1.09 H	208	22.50	37.04
2	5150.00	46.85 AV	54.00	-7.15	1.09 H	208	9.81	37.04
3	*5270.00	97.45 PK			1.10 H	212	60.16	37.29
4	*5270.00	86.81 AV			1.10 H	212	49.52	37.29
5	#10540.00	66.23 PK	68.30	-2.07	1.03 H	221	18.41	47.82
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	5150.00	61.50 PK	74.00	-12.50	1.04 V	183	24.46	37.04
2	5150.00	48.64 AV	54.00	-5.36	1.04 V	183	11.60	37.04
3	*5270.00	114.58 PK			1.03 V	192	77.29	37.29
4	*5270.00	103.76 AV			1.03 V	192	66.47	37.29
5	#10540.00	66.92 PK	68.30	-1.38	1.14 V	86	19.10	47.82

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 62	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5310.00	97.23 PK			1.08 H	204	59.85	37.38
2	*5310.00	86.60 AV			1.08 H	204	49.22	37.38
3	5350.00	60.24 PK	74.00	-13.76	1.08 H	204	22.84	37.40
4	5350.00	41.25 AV	54.00	-12.75	1.08 H	204	3.85	37.40
5	10620.00	67.13 PK	74.00	-6.87	1.01 H	211	19.12	48.01
6	10620.00	52.06 AV	54.00	-1.94	1.01 H	211	4.05	48.01
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	*5310.00	114.35 PK			1.04 V	205	76.97	37.38
2	*5310.00	103.55 AV			1.04 V	205	66.17	37.38
3	5350.00	70.92 PK	74.00	-3.08	1.04 V	205	33.52	37.40
4	5350.00	53.14 AV	54.00	-0.86	1.04 V	205	15.74	37.40
5	10620.00	68.03 PK	74.00	-5.97	1.01 V	182	20.02	48.01
6	10620.00	52.71 AV	54.00	-1.29	1.01 V	182	4.70	48.01

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 102	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	5460.00	52.11 PK	74.00	-21.89	1.05 H	207	14.61	37.50
2	5460.00	38.52 AV	54.00	-15.48	1.05 H	207	1.02	37.50
3	#5470.00	65.86 PK	68.30	-2.44	1.05 H	207	28.35	37.51
4	*5510.00	97.43 PK			1.05 H	207	59.86	37.57
5	*5510.00	87.02 AV			1.05 H	207	49.45	37.57
6	11020.00	66.63 PK	74.00	-7.37	1.21 H	188	18.14	48.49
7	11020.00	51.94 AV	54.00	-2.06	1.21 H	188	3.45	48.49
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	5460.00	66.05 PK	74.00	-7.95	1.06 V	219	28.55	37.50
2	5460.00	53.11 AV	54.00	-0.89	1.06 V	219	15.61	37.50
3	#5470.00	67.85 PK	68.30	-0.45	1.06 V	219	30.34	37.51
4	*5510.00	114.91 PK			1.06 V	219	77.34	37.57
5	*5510.00	104.42 AV			1.06 V	219	66.85	37.57
6	11020.00	67.69 PK	74.00	-6.31	1.04 V	213	19.20	48.49
7	11020.00	52.81 AV	54.00	-1.19	1.04 V	213	4.32	48.49

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).

2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

3. The other emission levels were very low against the limit.

4. Margin value = Emission level – Limit value.

5. " * ": Fundamental frequency.

6. "#":The radiated frequency is out the restricted band.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 118	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5590.00	97.68 PK			1.08 H	227	59.95	37.73
2	*5590.00	87.25 AV			1.08 H	227	49.52	37.73
3	11180.00	66.23 PK	74.00	-7.77	1.11 H	194	17.86	48.37
4	11180.00	51.63 AV	54.00	-2.37	1.11 H	194	3.26	48.37
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	*5590.00	115.01 PK			1.04 V	238	77.28	37.73
2	*5590.00	104.59 AV			1.04 V	238	66.86	37.73
3	11180.00	67.44 PK	74.00	-6.56	1.10 V	204	19.07	48.37
4	11180.00	52.61 AV	54.00	-1.39	1.10 V	204	4.24	48.37

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 134	FREQUENCY RANGE	1 ~ 40GHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Peak (PK) Average (AV)
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1002 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	*5670.00	97.84 PK			1.10 H	225	59.87	37.97
2	*5670.00	87.42 AV			1.10 H	225	49.45	37.97
3	#5725.00	57.03 PK	68.30	-11.27	1.10 H	225	18.93	38.10
4	11340.00	66.56 PK	74.00	-7.44	1.04 H	191	18.14	48.42
5	11340.00	51.84 AV	54.00	-2.16	1.04 H	191	3.42	48.42
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	*5670.00	115.14 PK			1.04 V	233	77.17	37.97
2	*5670.00	104.78 AV			1.04 V	233	66.81	37.97
3	#5725.00	67.62 PK	68.30	-0.68	1.04 V	233	29.52	38.10
4	11340.00	67.11 PK	74.00	-6.89	1.01 V	145	18.69	48.42
5	11340.00	52.36 AV	54.00	-1.64	1.01 V	145	3.94	48.42

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. "#":The radiated frequency is out the restricted band.

BELOW 1GHz WORST-CASE DATA：DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	24deg. C, 64%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	68.79	35.62 QP	40.00	-4.38	2.00 H	223	22.40	13.22
2	249.60	43.95 QP	46.00	-2.05	1.25 H	178	30.15	13.80
3	375.98	35.18 QP	46.00	-10.82	1.00 H	265	18.14	17.04
4	681.24	38.97 QP	46.00	-7.03	1.00 H	136	14.40	24.57
5	751.23	39.52 QP	46.00	-6.48	1.00 H	223	14.01	25.51
6	852.33	36.90 QP	46.00	-9.10	1.25 H	214	9.92	26.97
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	33.79	37.81 QP	40.00	-2.19	1.00 V	10	24.02	13.79
2	70.73	37.27 QP	40.00	-2.73	1.00 V	100	24.39	12.88
3	249.60	38.46 QP	46.00	-7.54	1.25 V	193	24.65	13.80
4	500.42	38.23 QP	46.00	-7.77	1.00 V	160	17.80	20.44
5	751.23	40.78 QP	46.00	-5.22	1.00 V	190	15.27	25.51
6	867.89	36.57 QP	46.00	-9.43	1.00 V	250	9.29	27.28

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	43.48	33.75 QP	40.00	-6.25	1.50 H	265	19.23	14.52
2	249.55	42.12 QP	46.00	-3.88	1.25 H	264	28.32	13.80
3	510.03	40.35 QP	46.00	-5.65	1.25 H	64	19.71	20.64
4	751.18	39.62 QP	46.00	-6.38	1.50 H	312	14.11	25.51
5	867.81	41.72 QP	46.00	-4.28	1.00 H	36	14.44	27.28
6	928.22	43.14 QP	46.00	-2.86	1.00 H	33	14.87	28.27
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	72.66	37.12 QP	40.00	-2.88	1.25 V	211	25.24	11.88
2	99.95	36.54 QP	43.50	-6.96	1.50 V	290	24.95	11.59
3	129.11	41.75 QP	43.50	-1.75	1.25 V	77	29.70	12.05
4	265.25	44.71 QP	46.00	-1.29	1.50 V	355	30.92	13.79
5	309.82	39.36 QP	46.00	-6.64	1.20 V	302	25.20	14.16
6	865.84	42.52 QP	46.00	-3.48	1.25 V	311	15.28	27.24

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	B		

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	249.60	43.34 QP	46.00	-2.66	1.00 H	94	29.54	13.80
2	346.82	38.19 QP	46.00	-7.81	1.00 H	349	22.38	15.80
3	599.58	37.40 QP	46.00	-8.60	1.25 H	76	15.01	22.39
4	681.24	40.09 QP	46.00	-5.91	1.00 H	43	15.52	24.57
5	751.23	41.07 QP	46.00	-4.93	1.00 H	10	15.56	25.51
6	865.94	40.93 QP	46.00	-5.07	1.50 H	13	13.69	27.24
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	43.51	36.02 QP	40.00	-3.98	1.25 V	271	21.51	14.51
2	86.28	33.96 QP	40.00	-6.04	1.25 V	310	26.01	7.95
3	265.16	39.36 QP	46.00	-6.64	1.00 V	283	25.57	13.79
4	729.84	38.57 QP	46.00	-7.43	1.00 V	349	13.26	25.31
5	867.89	41.21 QP	46.00	-4.79	1.00 V	268	13.93	27.28
6	930.11	39.26 QP	46.00	-6.74	1.00 V	10	10.96	28.30

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	B		

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	125.24	35.58 QP	43.50	-7.92	1.25 H	75	23.84	11.74
2	249.52	44.12 QP	46.00	-1.88	1.25 H	36	30.32	13.80
3	599.63	36.27 QP	46.00	-9.73	1.00 H	244	13.88	22.39
4	681.18	40.75 QP	46.00	-5.25	1.50 H	32	16.18	24.57
5	751.15	39.36 QP	46.00	-6.64	1.00 H	77	13.85	25.51
6	867.84	39.94 QP	46.00	-6.06	1.25 H	345	12.66	27.28
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	47.36	34.92 QP	40.00	-5.08	1.25 V	105	21.17	13.75
2	84.24	34.58 QP	40.00	-5.42	1.50 V	289	26.60	7.98
3	733.65	38.42 QP	46.00	-7.58	1.25 V	28	13.07	25.35
4	865.84	40.34 QP	46.00	-5.66	1.25 V	310	13.10	27.24
5	932.11	44.13 QP	46.00	-1.87	1.25 V	33	15.80	28.33
6	947.54	38.64 QP	46.00	-7.36	1.00 V	47	10.11	28.53

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	113.50	33.94 QP	43.50	-9.56	1.50 H	244	22.53	11.41
2	249.60	40.74 QP	46.00	-5.26	1.00 H	67	26.94	13.80
3	500.42	36.20 QP	46.00	-9.80	1.50 H	121	15.77	20.44
4	681.24	39.46 QP	46.00	-6.54	1.00 H	289	14.89	24.57
5	751.23	36.34 QP	46.00	-9.66	1.00 H	220	10.83	25.51
6	867.89	38.89 QP	46.00	-7.11	1.25 H	223	11.61	27.28
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	74.20	38.61 QP	40.00	-1.39	1.24 V	198	27.54	11.07
2	113.50	39.14 QP	43.50	-4.36	1.00 V	169	27.73	11.41
3	249.60	38.44 QP	46.00	-7.56	1.50 V	121	24.64	13.80
4	500.42	40.19 QP	46.00	-5.81	1.00 V	178	19.75	20.44
5	729.84	40.68 QP	46.00	-5.32	1.00 V	172	15.37	25.31
6	867.89	39.48 QP	46.00	-6.52	1.50 V	166	12.20	27.28

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	115.31	33.84 QP	43.50	-9.66	1.50 H	224	22.45	11.39
2	249.54	40.35 QP	46.00	-5.65	1.00 H	35	26.55	13.80
3	510.02	35.54 QP	46.00	-10.46	1.25 H	144	14.90	20.64
4	681.18	39.54 QP	46.00	-6.46	1.00 H	178	14.97	24.57
5	729.75	37.01 QP	46.00	-8.99	1.25 H	39	11.70	25.31
6	867.75	36.54 QP	46.00	-9.46	1.25 H	145	9.26	27.28
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	70.64	38.54 QP	40.00	-1.46	1.25 V	163	25.61	12.93
2	115.34	38.64 QP	43.50	-4.86	1.25 V	145	27.25	11.39
3	249.54	38.14 QP	46.00	-7.86	1.25 V	120	24.34	13.80
4	500.21	38.94 QP	46.00	-7.06	1.00 V	120	18.51	20.43
5	729.45	40.02 QP	46.00	-5.98	1.25 V	145	14.71	25.31
6	867.48	38.64 QP	46.00	-7.36	1.50 V	89	11.37	27.27

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	D		

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	152.39	36.14 QP	43.50	-7.36	1.50 H	103	22.05	14.10
2	249.60	32.22 QP	46.00	-13.78	1.50 H	184	18.42	13.80
3	519.86	34.39 QP	46.00	-11.61	1.50 H	256	13.54	20.84
4	681.24	38.86 QP	46.00	-7.14	1.00 H	79	14.29	24.57
5	751.23	39.00 QP	46.00	-7.00	1.50 H	175	13.49	25.51
6	902.89	38.27 QP	46.00	-7.73	1.00 H	88	10.33	27.94
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	43.51	38.41 QP	40.00	-1.59	1.50 V	283	23.90	14.51
2	68.79	36.83 QP	40.00	-3.17	1.00 V	199	23.61	13.22
3	500.42	34.56 QP	46.00	-11.44	1.00 V	157	14.12	20.44
4	599.58	35.93 QP	46.00	-10.07	1.00 V	166	13.54	22.39
5	731.79	40.60 QP	46.00	-5.40	1.00 V	172	15.27	25.33
6	867.89	39.73 QP	46.00	-6.27	1.00 V	175	12.46	27.28

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	D		

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	152.31	36.45 QP	43.50	-7.05	1.25 H	100	22.36	14.09
2	249.52	32.61 QP	46.00	-13.39	1.25 H	254	18.81	13.80
3	519.82	33.64 QP	46.00	-12.36	1.25 H	145	12.80	20.84
4	681.15	39.06 QP	46.00	-6.94	1.25 H	45	14.49	24.57
5	751.12	42.58 QP	46.00	-3.42	1.25 H	175	17.07	25.51
6	867.75	35.84 QP	46.00	-10.16	1.00 H	156	8.56	27.28
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	68.75	38.27 QP	40.00	-1.73	1.50 V	144	25.05	13.22
2	113.42	37.42 QP	43.50	-6.08	1.25 V	162	26.01	11.41
3	187.21	37.42 QP	43.50	-6.08	1.25 V	64	26.25	11.17
4	597.54	35.56 QP	46.00	-10.44	1.00 V	158	13.21	22.35
5	729.75	40.18 QP	46.00	-5.82	1.00 V	92	14.87	25.31
6	850.28	40.06 QP	46.00	-5.94	1.00 V	179	13.13	26.93

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	A		

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	249.60	42.22 QP	46.00	-3.78	1.00 H	268	28.41	13.80
2	519.86	37.12 QP	46.00	-8.88	1.50 H	109	16.28	20.84
3	681.24	37.94 QP	46.00	-8.06	1.00 H	316	13.37	24.57
4	751.23	39.50 QP	46.00	-6.50	1.00 H	316	13.99	25.51
5	867.89	42.06 QP	46.00	-3.94	1.50 H	25	14.78	27.28
6	928.16	38.26 QP	46.00	-7.74	1.50 H	67	9.98	28.27
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	72.67	37.15 QP	40.00	-2.85	1.00 V	217	25.28	11.87
2	99.89	36.57 QP	43.50	-6.93	1.25 V	295	25.00	11.56
3	129.06	41.80 QP	43.50	-1.70	1.25 V	64	29.75	12.04
4	265.16	44.72 QP	46.00	-1.28	1.00 V	310	30.94	13.79
5	309.88	39.40 QP	46.00	-6.60	1.25 V	310	25.24	14.17
6	865.94	42.57 QP	46.00	-3.43	1.00 V	337	15.33	27.24

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	B		

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	125.17	35.66 QP	43.50	-7.84	1.50 H	82	23.93	11.73
2	249.60	44.08 QP	46.00	-1.92	1.00 H	67	30.28	13.80
3	599.58	36.33 QP	46.00	-9.67	1.00 H	280	13.94	22.39
4	681.24	40.89 QP	46.00	-5.11	1.00 H	40	16.32	24.57
5	751.23	39.42 QP	46.00	-6.58	1.00 H	10	13.91	25.51
6	867.89	40.00 QP	46.00	-6.00	1.25 H	355	12.72	27.28
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	47.40	34.97 QP	40.00	-5.03	1.00 V	118	21.23	13.74
2	84.34	34.65 QP	40.00	-5.35	1.25 V	301	26.68	7.97
3	733.73	38.45 QP	46.00	-7.55	1.00 V	10	13.10	25.35
4	865.94	40.38 QP	46.00	-5.62	1.00 V	313	13.14	27.24
5	932.05	44.11 QP	46.00	-1.89	1.00 V	10	15.78	28.32
6	947.60	38.79 QP	46.00	-7.21	1.00 V	10	10.27	28.53

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	C		

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	115.45	33.92 QP	43.50	-9.58	1.50 H	253	22.53	11.38
2	249.60	40.48 QP	46.00	-5.52	1.00 H	64	26.68	13.80
3	510.14	35.63 QP	46.00	-10.37	1.50 H	151	14.99	20.64
4	681.24	39.68 QP	46.00	-6.32	1.00 H	211	15.10	24.57
5	729.84	37.06 QP	46.00	-8.94	1.50 H	43	11.75	25.31
6	867.89	36.69 QP	46.00	-9.31	1.00 H	157	9.41	27.28
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	70.73	38.64 QP	40.00	-1.36	1.00 V	184	25.76	12.88
2	115.45	38.71 QP	43.50	-4.79	1.00 V	178	27.33	11.38
3	249.60	38.25 QP	46.00	-7.75	1.00 V	133	24.45	13.80
4	500.42	39.07 QP	46.00	-6.93	1.00 V	184	18.63	20.44
5	729.84	40.07 QP	46.00	-5.93	1.00 V	178	14.76	25.31
6	867.89	38.70 QP	46.00	-7.30	1.50 V	166	11.43	27.28

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	FREQUENCY RANGE	Below 1000MHz
INPUT POWER (SYSTEM)	120Vac, 60 Hz	DETECTOR FUNCTION	Quasi-Peak
ENVIRONMENTAL CONDITIONS	25deg. C, 65%RH 1000 hPa	TESTED BY	Brad Wu
TEST MODE	D		

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	152.39	36.54 QP	43.50	-6.96	1.00 H	106	22.44	14.10
2	249.60	32.66 QP	46.00	-13.34	1.00 H	358	18.85	13.80
3	519.86	33.73 QP	46.00	-12.27	1.50 H	100	12.89	20.84
4	681.24	39.13 QP	46.00	-6.87	1.00 H	73	14.56	24.57
5	751.23	42.70 QP	46.00	-3.30	1.00 H	187	17.19	25.51
6	867.89	35.93 QP	46.00	-10.07	1.00 H	145	8.65	27.28
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	68.79	38.33 QP	40.00	-1.67	1.50 V	169	25.11	13.22
2	113.50	37.50 QP	43.50	-6.00	1.00 V	169	26.09	11.41
3	187.39	37.49 QP	43.50	-6.01	1.00 V	70	26.33	11.16
4	597.63	35.60 QP	46.00	-10.40	1.00 V	172	13.24	22.36
5	729.84	40.23 QP	46.00	-5.77	1.00 V	154	14.92	25.31
6	850.39	40.10 QP	46.00	-5.90	1.00 V	175	13.17	26.94

REMARKS: 1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Emission level – Limit value.

4.2 CONDUCTED EMISSION MEASUREMENT

4.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.2.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Test Receiver ROHDE & SCHWARZ	ESCS30	100288	Sep. 22, 2008	Sep. 21, 2009
RF signal cable Woken	5D-FB	Cable-HYCO2-01	Dec. 31, 2008	Dec. 30, 2009
LISN ROHDE & SCHWARZ	ESH2-Z5	100100	Dec. 29, 2008	Dec. 28, 2009
LISN ROHDE & SCHWARZ	ESH3-Z5	100311	Jul. 29, 2009	Jul. 28, 2010
Software ADT	ADT_Cond_ V7.3.7	NA	NA	NA

NOTE: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2.

3. The VCCI Site Registration No. is C-2047.

4.2.3 TEST PROCEDURES

a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.

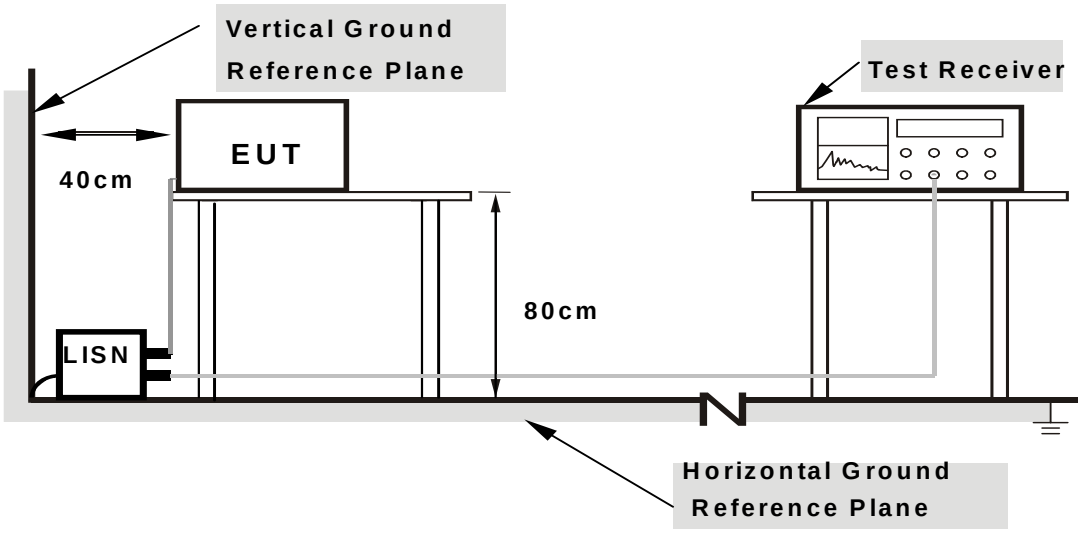
b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.

c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

4.2.4 DEVIATION FROM TEST STANDARD

No deviation

4.2.5 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT OPERATING CONDITIONS

Same as 4.1.6.

4.2.7 TEST RESULTS

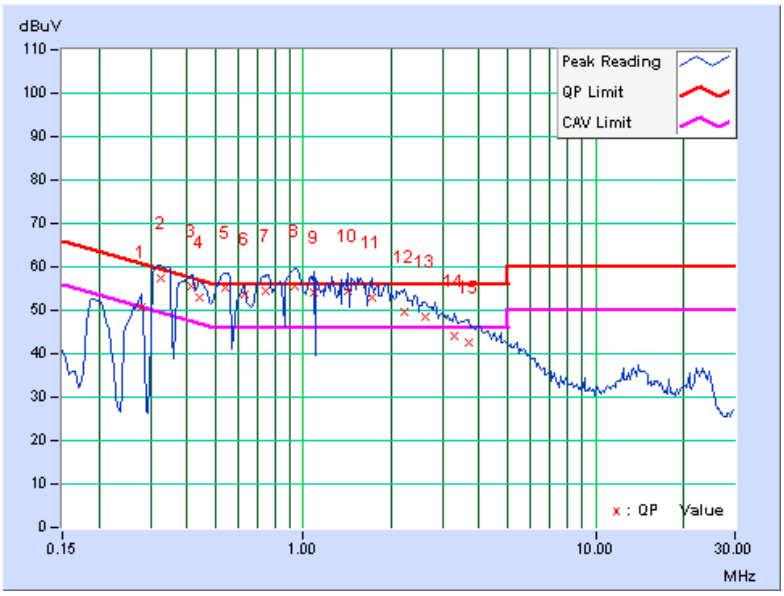
CONDUCTED WORST-CASE DATA：

DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.279	0.13	50.72	-	50.85	-	60.85	50.85	-9.99	-
2	0.326	0.14	57.36	45.55	57.50	45.69	59.56	49.56	-2.06	-3.87
3	0.416	0.14	55.57	44.55	55.71	44.69	57.54	47.54	-1.82	-2.84
4	0.444	0.14	52.94	38.12	53.08	38.26	56.98	46.98	-3.90	-8.72
5	0.541	0.15	55.15	40.25	55.30	40.40	56.00	46.00	-0.70	-5.60
6	0.627	0.15	53.49	40.92	53.64	41.07	56.00	46.00	-2.36	-4.93
7	0.740	0.16	54.39	38.21	54.55	38.37	56.00	46.00	-1.45	-7.63
8	0.931	0.17	55.35	39.29	55.52	39.46	56.00	46.00	-0.48	-6.54
9	1.090	0.17	54.04	38.27	54.21	38.44	56.00	46.00	-1.79	-7.56
10	1.418	0.18	54.26	36.89	54.44	37.07	56.00	46.00	-1.56	-8.93
11	1.711	0.18	52.81	37.86	52.99	38.04	56.00	46.00	-3.01	-7.96
12	2.227	0.20	49.57	36.38	49.77	36.58	56.00	46.00	-6.23	-9.42
13	2.621	0.22	48.35	34.07	48.57	34.29	56.00	46.00	-7.43	-11.71
14	3.297	0.25	43.66	-	43.91	-	56.00	46.00	-12.09	-
15	3.680	0.27	42.16	-	42.43	-	56.00	46.00	-13.57	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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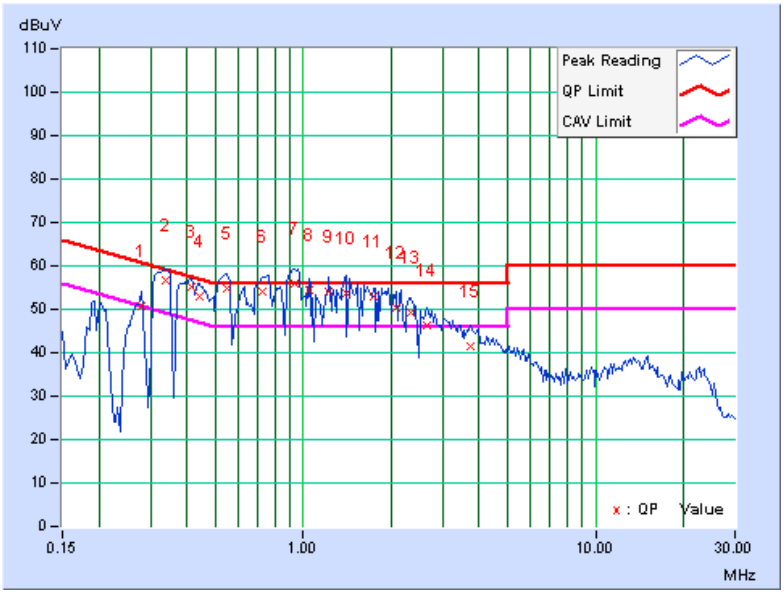
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.279	0.14	50.46	-	50.60	-	60.85	50.85	-10.25	-
2	0.338	0.14	56.37	45.84	56.51	45.98	59.26	49.26	-2.75	-3.28
3	0.416	0.15	55.02	44.13	55.17	44.28	57.54	47.54	-2.36	-3.25
4	0.439	0.15	52.96	37.47	53.11	37.62	57.08	47.08	-3.97	-9.46
5	0.548	0.15	54.75	41.04	54.90	41.19	56.00	46.00	-1.10	-4.81
6	0.724	0.16	53.78	36.36	53.94	36.52	56.00	46.00	-2.06	-9.48
7	0.939	0.17	55.74	39.41	55.91	39.58	56.00	46.00	-0.09	-6.42
8	1.051	0.17	54.31	37.62	54.48	37.79	56.00	46.00	-1.52	-8.21
9	1.227	0.18	54.06	36.21	54.24	36.39	56.00	46.00	-1.76	-9.61
10	1.406	0.18	53.61	34.82	53.79	35.00	56.00	46.00	-2.21	-11.00
11	1.738	0.19	52.63	38.45	52.82	38.64	56.00	46.00	-3.18	-7.36
12	2.090	0.20	50.09	35.68	50.29	35.88	56.00	46.00	-5.71	-10.12
13	2.344	0.22	48.98	34.41	49.20	34.63	56.00	46.00	-6.80	-11.37
14	2.660	0.23	46.24	31.64	46.47	31.87	56.00	46.00	-9.53	-14.13
15	3.730	0.29	41.34	-	41.63	-	56.00	46.00	-14.37	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP Value
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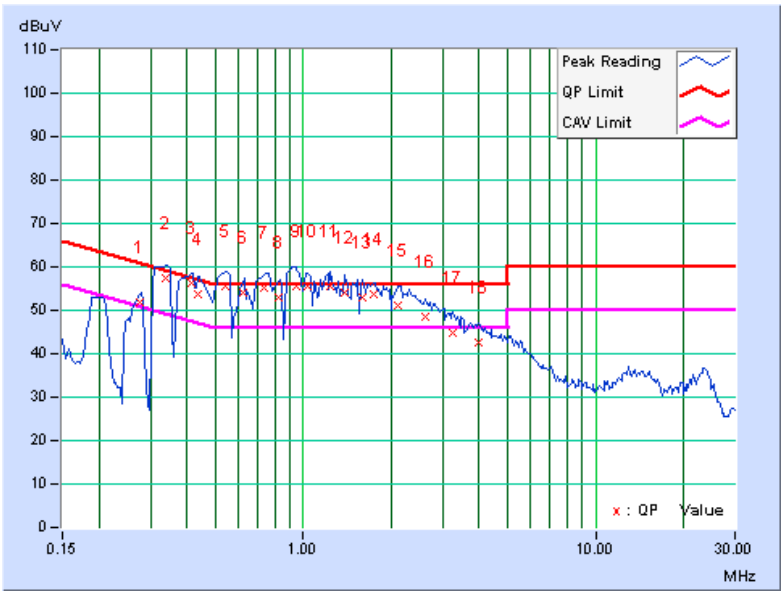
802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.278	0.13	51.54	40.42	51.67	40.55	60.89	50.89	-9.22	-10.34
2	0.340	0.14	57.34	47.42	57.48	47.56	59.20	49.20	-1.72	-1.64
3	0.414	0.14	56.05	45.35	56.19	45.49	57.56	47.56	-1.37	-2.07
4	0.438	0.14	53.54	37.84	53.68	37.98	57.09	47.09	-3.41	-9.11
5	0.540	0.15	55.35	40.51	55.50	40.66	56.00	46.00	-0.50	-5.34
6	0.625	0.15	54.03	42.01	54.18	42.16	56.00	46.00	-1.82	-3.84
7	0.738	0.16	55.12	38.43	55.28	38.59	56.00	46.00	-0.72	-7.41
8	0.825	0.16	52.94	38.35	53.10	38.51	56.00	46.00	-2.90	-7.49
9	0.941	0.17	55.34	40.15	55.51	40.32	56.00	46.00	-0.49	-5.68
10	1.041	0.17	55.42	42.02	55.59	42.19	56.00	46.00	-0.41	-3.81
11	1.242	0.17	55.57	40.45	55.74	40.62	56.00	46.00	-0.26	-5.38
12	1.378	0.18	54.03	37.63	54.21	37.81	56.00	46.00	-1.79	-8.19
13	1.597	0.18	52.79	35.52	52.97	35.70	56.00	46.00	-3.03	-10.30
14	1.734	0.18	53.41	38.42	53.60	38.60	56.00	46.00	-2.40	-7.40
15	2.097	0.19	51.05	36.32	51.24	36.51	56.00	46.00	-4.76	-9.49
16	2.609	0.22	48.14	33.72	48.36	33.94	56.00	46.00	-7.64	-12.06
17	3.264	0.25	44.61	-	44.86	-	56.00	46.00	-11.14	-
18	3.980	0.28	42.44	-	42.72	-	56.00	46.00	-13.28	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP Value
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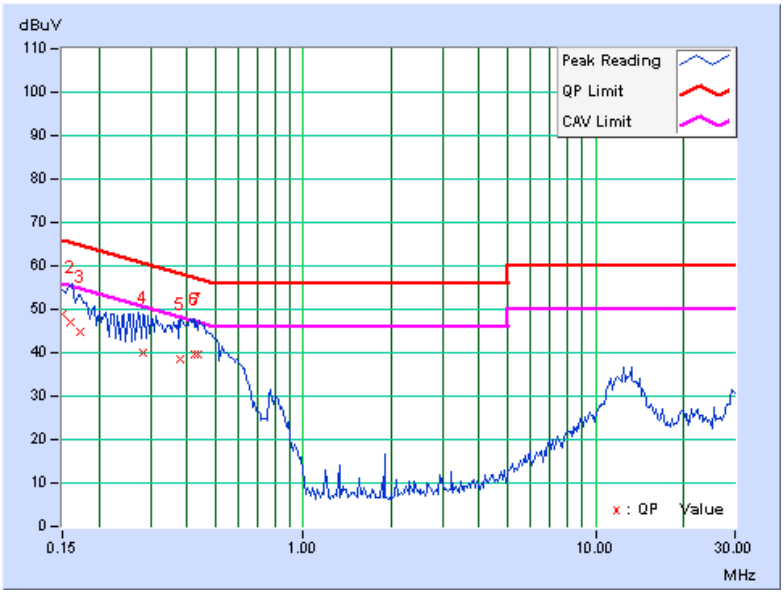
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.84	-	48.97	-	66.00	56.00	-17.03	-
2	0.161	0.13	46.86	-	46.99	-	65.42	55.42	-18.43	-
3	0.172	0.13	44.75	-	44.88	-	64.84	54.84	-19.96	-
4	0.282	0.14	39.75	-	39.89	-	60.77	50.77	-20.88	-
5	0.380	0.15	38.34	-	38.49	-	58.27	48.27	-19.79	-
6	0.427	0.15	39.54	-	39.69	-	57.32	47.32	-17.63	-
7	0.438	0.15	39.35	-	39.50	-	57.10	47.10	-17.59	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

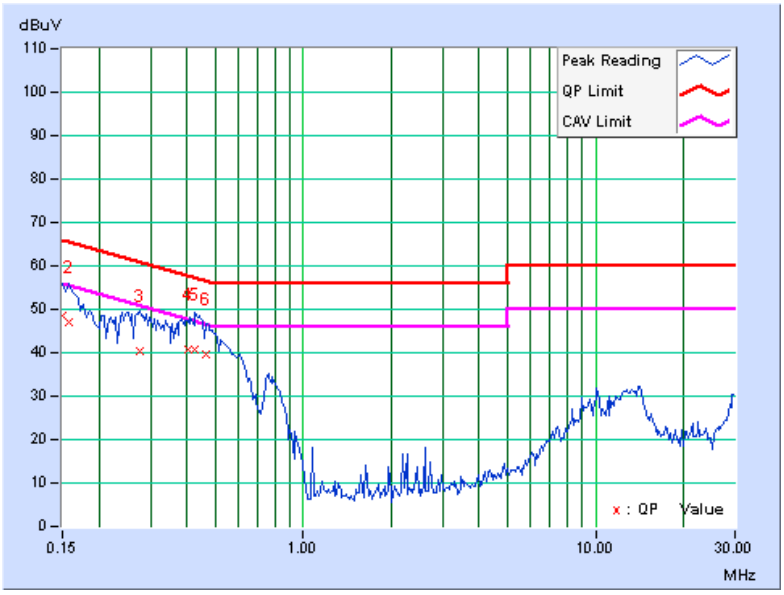


DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.39	-	48.52	-	66.00	56.00	-17.48	-
2	0.158	0.13	46.96	-	47.09	-	65.58	55.58	-18.49	-
3	0.275	0.13	40.15	-	40.28	-	60.97	50.97	-20.68	-
4	0.404	0.14	40.70	-	40.84	-	57.77	47.77	-16.93	-
5	0.427	0.14	40.78	-	40.92	-	57.30	47.30	-16.38	-
6	0.463	0.14	39.47	-	39.61	-	56.65	46.65	-17.03	-

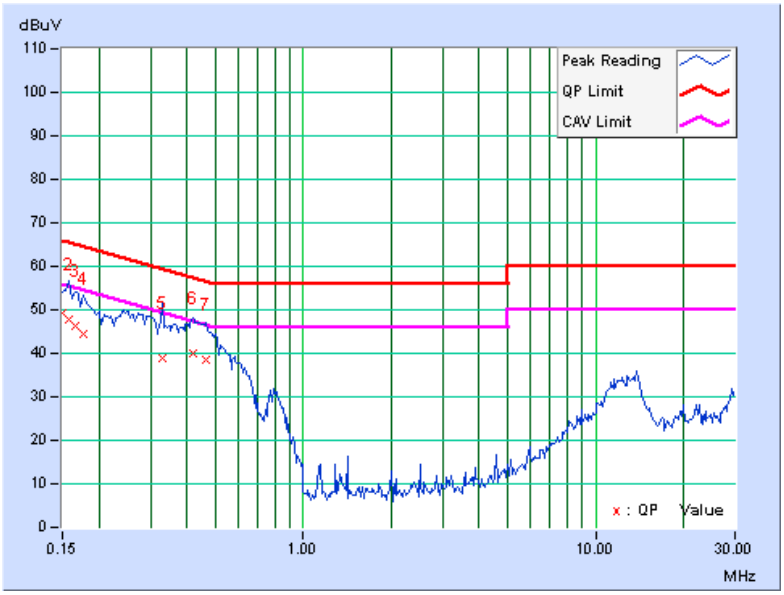
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	49.05	-	49.18	-	66.00	56.00	-16.82	-
2	0.158	0.13	47.57	-	47.70	-	65.58	55.58	-17.88	-
3	0.166	0.13	46.12	-	46.25	-	65.18	55.18	-18.93	-
4	0.177	0.13	44.33	-	44.46	-	64.61	54.61	-20.15	-
5	0.330	0.14	38.72	-	38.86	-	59.46	49.46	-20.60	-
6	0.420	0.15	39.81	-	39.96	-	57.46	47.46	-17.50	-
7	0.463	0.15	38.42	-	38.57	-	56.65	46.65	-18.08	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

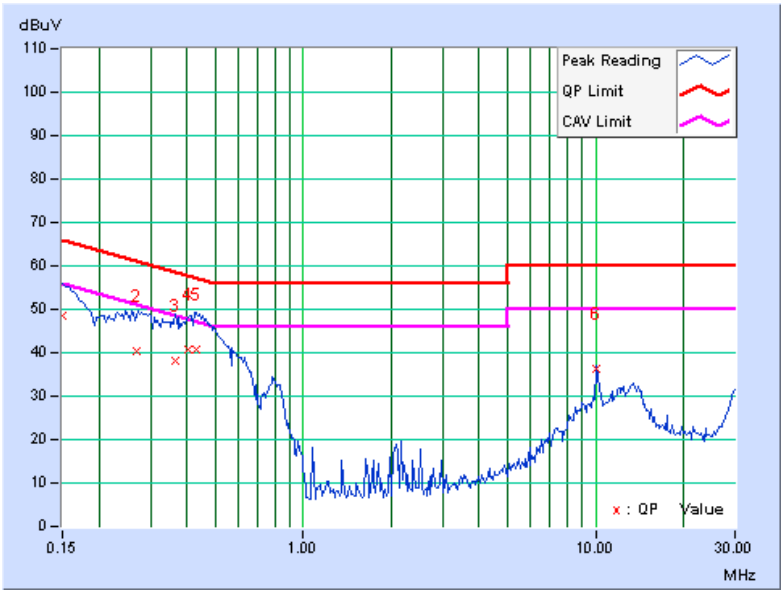


802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.24	-	48.37	-	66.00	56.00	-17.63	-
2	0.270	0.13	40.14	-	40.27	-	61.11	51.11	-20.83	-
3	0.364	0.14	38.05	-	38.19	-	58.65	48.65	-20.46	-
4	0.406	0.14	40.51	-	40.65	-	57.73	47.73	-17.08	-
5	0.431	0.14	40.57	-	40.71	-	57.24	47.24	-16.53	-
6	10.000	0.43	35.84	-	36.27	-	60.00	50.00	-23.73	-

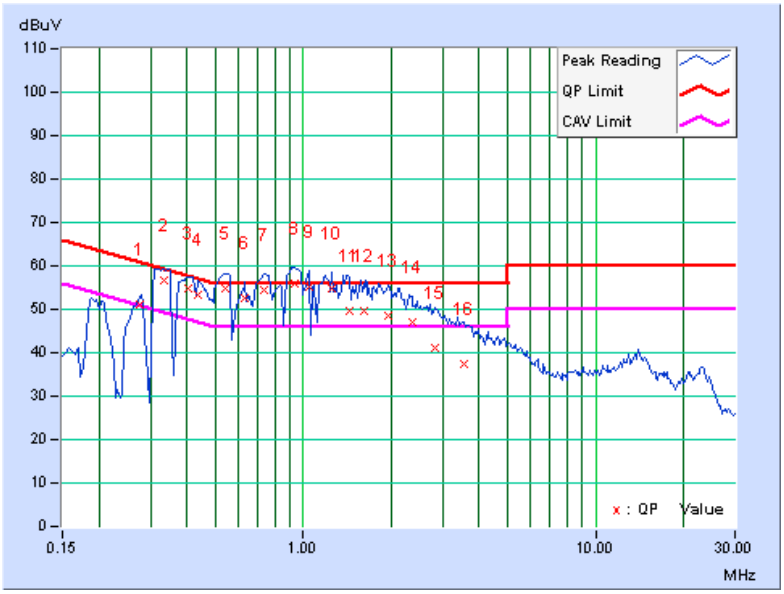
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 52	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.278	0.14	50.94	39.84	51.08	39.98	60.89	50.89	-9.81	-10.91
2	0.333	0.14	56.48	45.34	56.62	45.48	59.38	49.38	-2.76	-3.90
3	0.407	0.15	54.68	43.15	54.83	43.30	57.72	47.72	-2.89	-4.42
4	0.438	0.15	53.15	37.35	53.30	37.50	57.10	47.10	-3.79	-9.59
5	0.540	0.15	54.61	39.84	54.76	39.99	56.00	46.00	-1.24	-6.01
6	0.630	0.16	52.52	38.75	52.68	38.91	56.00	46.00	-3.32	-7.09
7	0.731	0.16	54.24	37.05	54.40	37.21	56.00	46.00	-1.60	-8.79
8	0.931	0.17	55.75	38.34	55.92	38.51	56.00	46.00	-0.08	-7.49
9	1.046	0.17	55.15	40.94	55.32	41.11	56.00	46.00	-0.68	-4.89
10	1.257	0.18	54.72	36.85	54.90	37.03	56.00	46.00	-1.10	-8.97
11	1.435	0.18	49.32	34.28	49.50	34.46	56.00	46.00	-6.50	-11.54
12	1.625	0.19	49.57	34.84	49.76	35.03	56.00	46.00	-6.24	-10.97
13	1.945	0.20	48.45	36.27	48.65	36.47	56.00	46.00	-7.35	-9.53
14	2.355	0.22	46.95	34.12	47.17	34.34	56.00	46.00	-8.83	-11.66
15	2.823	0.24	40.75	-	40.99	-	56.00	46.00	-15.01	-
16	3.550	0.28	37.21	-	37.49	-	56.00	46.00	-18.51	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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Peak Reading
QP Limit
CAV Limit
x : QP Value
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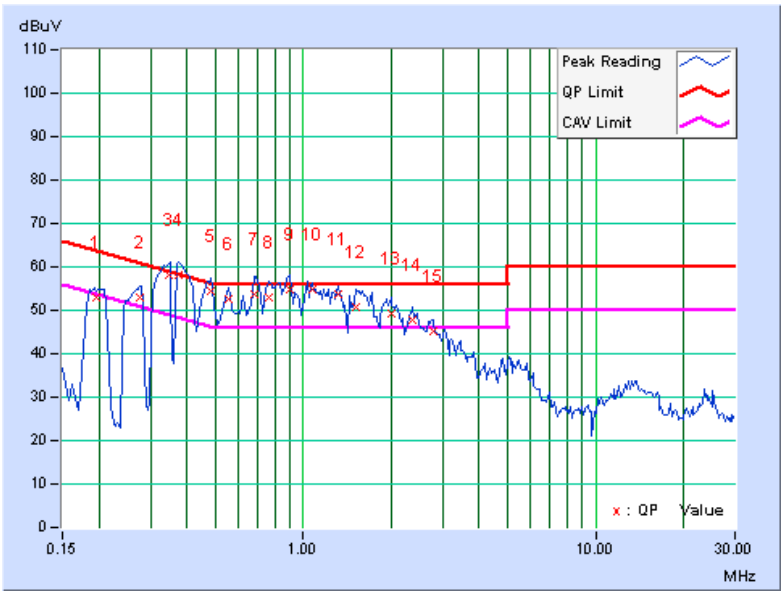
DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.196	0.13	52.84	-	52.97	-	63.80	53.80	-10.83	-
2	0.275	0.13	52.95	44.27	53.08	44.40	60.97	50.97	-7.88	-6.56
3	0.348	0.14	58.04	45.49	58.18	45.63	59.01	49.01	-0.83	-3.38
4	0.373	0.14	58.18	42.44	58.32	42.58	58.44	48.44	-0.12	-5.86
5	0.482	0.14	54.27	42.41	54.41	42.55	56.30	46.30	-1.89	-3.75
6	0.556	0.15	52.57	39.59	52.72	39.74	56.00	46.00	-3.28	-6.26
7	0.679	0.15	53.68	37.44	53.83	37.59	56.00	46.00	-2.17	-8.41
8	0.763	0.16	52.64	36.02	52.80	36.18	56.00	46.00	-3.20	-9.82
9	0.896	0.16	54.79	40.33	54.95	40.49	56.00	46.00	-1.05	-5.51
10	1.070	0.17	54.46	39.06	54.63	39.23	56.00	46.00	-1.37	-6.77
11	1.313	0.18	53.40	39.07	53.58	39.25	56.00	46.00	-2.42	-6.75
12	1.508	0.18	50.68	36.69	50.86	36.87	56.00	46.00	-5.14	-9.13
13	2.000	0.19	49.16	35.80	49.35	35.99	56.00	46.00	-6.65	-10.01
14	2.363	0.21	47.41	34.73	47.62	34.94	56.00	46.00	-8.38	-11.06
15	2.781	0.23	45.12	-	45.35	-	56.00	46.00	-10.65	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.


dBuV
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MHz
Peak Reading
QP Limit
CAV Limit
x : QP Value
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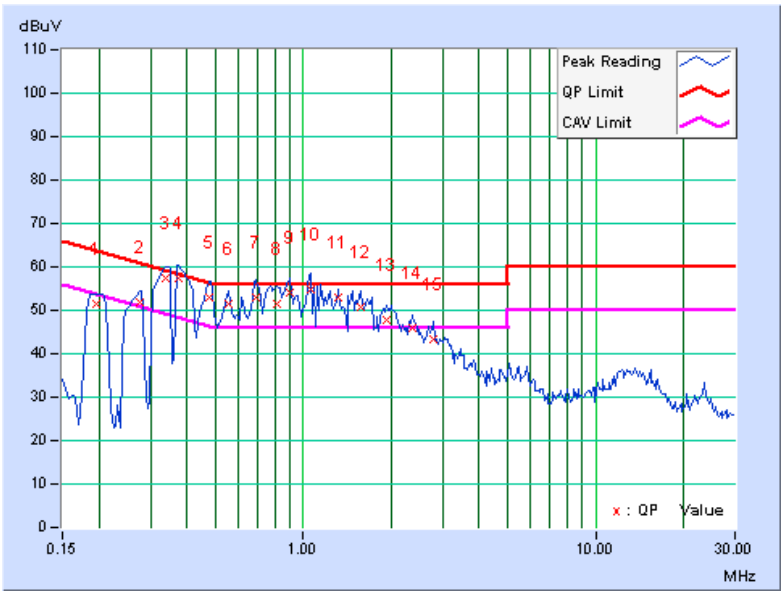
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.13	51.50	-	51.63	-	63.74	53.74	-12.11	-
2	0.275	0.14	51.87	42.84	52.01	42.98	60.97	50.97	-8.96	-7.99
3	0.340	0.14	57.12	47.16	57.26	47.30	59.20	49.20	-1.94	-1.90
4	0.373	0.15	57.32	41.45	57.47	41.60	58.44	48.44	-0.97	-6.84
5	0.478	0.15	52.90	40.15	53.05	40.30	56.37	46.37	-3.32	-6.07
6	0.556	0.16	51.37	38.19	51.53	38.35	56.00	46.00	-4.47	-7.65
7	0.685	0.16	52.90	38.88	53.06	39.04	56.00	46.00	-2.94	-6.96
8	0.814	0.16	51.48	37.69	51.64	37.85	56.00	46.00	-4.36	-8.15
9	0.904	0.17	54.07	37.59	54.24	37.76	56.00	46.00	-1.76	-8.24
10	1.059	0.17	54.71	39.36	54.88	39.53	56.00	46.00	-1.12	-6.47
11	1.316	0.18	52.79	38.65	52.97	38.83	56.00	46.00	-3.03	-7.17
12	1.574	0.19	50.37	36.18	50.56	36.37	56.00	46.00	-5.44	-9.63
13	1.930	0.20	47.67	34.39	47.87	34.59	56.00	46.00	-8.13	-11.41
14	2.359	0.22	45.83	33.49	46.05	33.71	56.00	46.00	-9.95	-12.29
15	2.777	0.24	43.25	-	43.49	-	56.00	46.00	-12.51	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP
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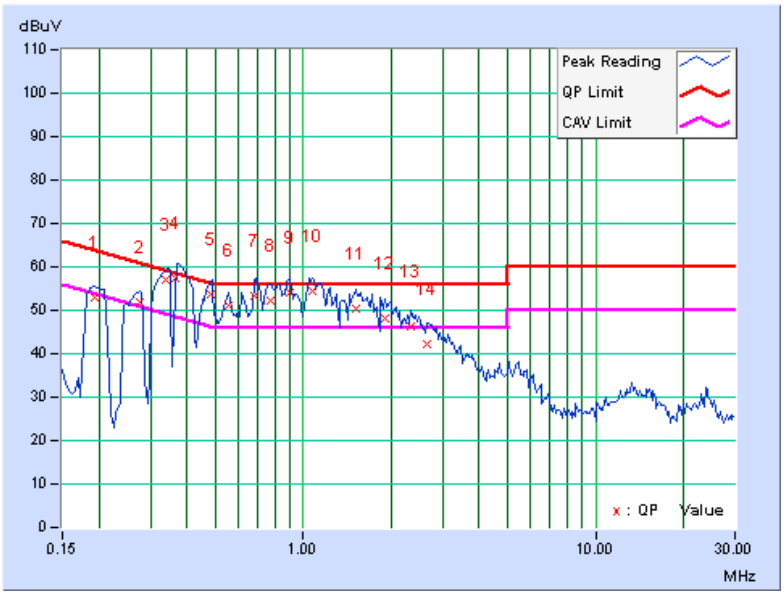
DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.193	0.13	52.71	-	52.84	-	63.90	53.90	-11.06	-
2	0.275	0.13	51.82	42.41	51.95	42.54	60.98	50.98	-9.03	-8.44
3	0.340	0.14	57.02	47.29	57.16	47.43	59.20	49.20	-2.04	-1.77
4	0.367	0.14	57.35	39.12	57.49	39.26	58.56	48.56	-1.08	-9.31
5	0.485	0.14	53.38	38.42	53.52	38.56	56.26	46.26	-2.74	-7.70
6	0.555	0.15	50.97	37.89	51.12	38.04	56.00	46.00	-4.88	-7.96
7	0.685	0.15	53.12	39.08	53.27	39.23	56.00	46.00	-2.73	-6.77
8	0.771	0.16	52.08	33.68	52.24	33.84	56.00	46.00	-3.76	-12.16
9	0.895	0.16	54.04	39.48	54.20	39.64	56.00	46.00	-1.80	-6.36
10	1.070	0.17	54.34	38.92	54.51	39.09	56.00	46.00	-1.49	-6.91
11	1.507	0.18	50.26	36.27	50.44	36.45	56.00	46.00	-5.56	-9.55
12	1.913	0.19	48.05	35.08	48.24	35.27	56.00	46.00	-7.76	-10.73
13	2.347	0.21	46.02	33.24	46.23	33.45	56.00	46.00	-9.77	-12.55
14	2.660	0.22	42.07	-	42.29	-	56.00	46.00	-13.71	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP Value
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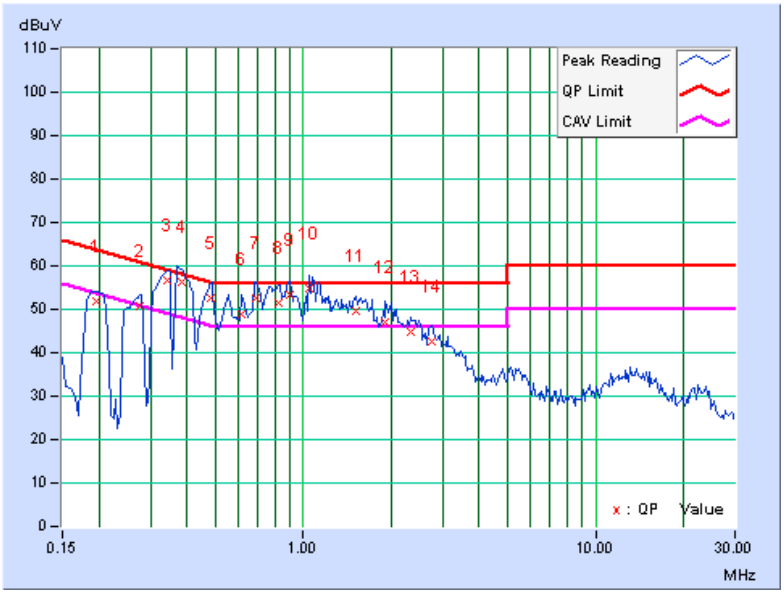
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.195	0.13	51.57	-	51.70	-	63.80	53.80	-12.10	-
2	0.275	0.14	50.75	-	50.89	-	60.98	50.98	-10.09	-
3	0.345	0.14	56.39	45.24	56.53	45.38	59.09	49.09	-2.56	-3.71
4	0.384	0.15	56.06	42.36	56.21	42.51	58.20	48.20	-1.99	-5.69
5	0.485	0.15	52.41	37.52	52.56	37.67	56.26	46.26	-3.69	-8.58
6	0.613	0.16	48.71	33.62	48.87	33.78	56.00	46.00	-7.13	-12.22
7	0.688	0.16	52.27	38.68	52.43	38.84	56.00	46.00	-3.57	-7.16
8	0.824	0.16	51.34	38.84	51.50	39.00	56.00	46.00	-4.50	-7.00
9	0.895	0.17	53.14	38.53	53.31	38.70	56.00	46.00	-2.69	-7.30
10	1.050	0.17	54.63	38.91	54.80	39.08	56.00	46.00	-1.20	-6.92
11	1.507	0.19	49.27	35.15	49.46	35.34	56.00	46.00	-6.54	-10.66
12	1.913	0.20	46.84	33.79	47.04	33.99	56.00	46.00	-8.96	-12.01
13	2.342	0.22	44.57	-	44.79	-	56.00	46.00	-11.21	-
14	2.768	0.24	42.42	-	42.66	-	56.00	46.00	-13.34	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP
Value
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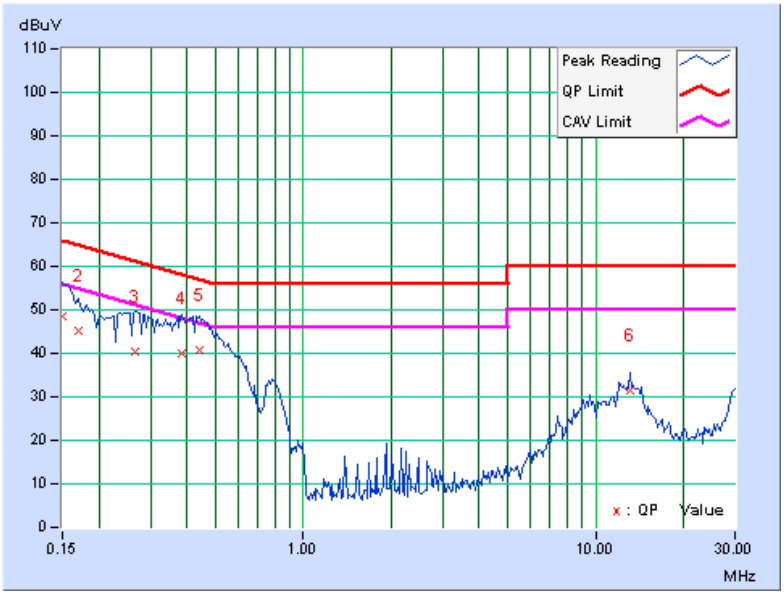
DRAFT 802.11n (40MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.31	-	48.44	-	66.00	56.00	-17.56	-
2	0.170	0.13	45.23	-	45.36	-	64.98	54.98	-19.62	-
3	0.267	0.13	40.30	-	40.43	-	61.20	51.20	-20.77	-
4	0.384	0.14	39.75	-	39.89	-	58.18	48.18	-18.30	-
5	0.439	0.14	40.44	-	40.58	-	57.08	47.08	-16.50	-
6	13.188	0.51	30.95	-	31.46	-	60.00	50.00	-28.54	-

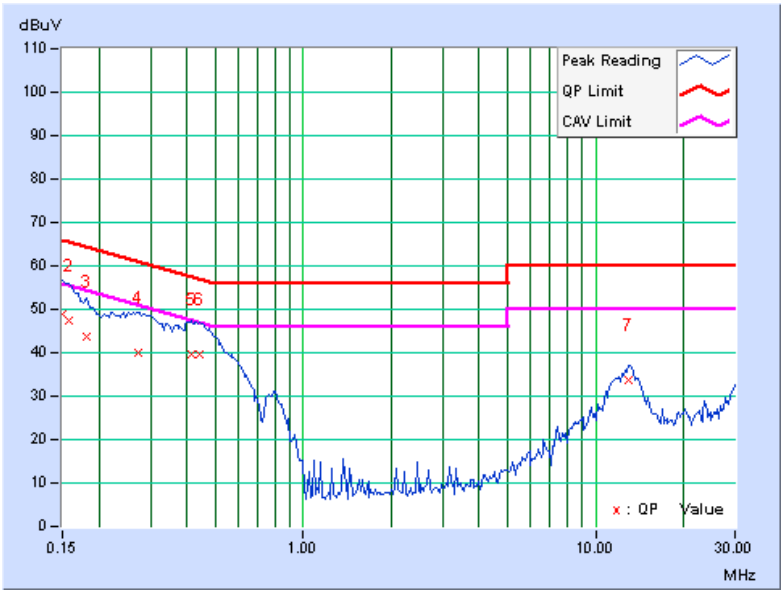
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 46	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	13.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.77	-	48.90	-	66.00	56.00	-17.10	-
2	0.158	0.13	47.12	-	47.25	-	65.58	55.58	-18.33	-
3	0.181	0.13	43.45	-	43.58	-	64.43	54.43	-20.85	-
4	0.271	0.14	39.89	-	40.03	-	61.08	51.08	-21.06	-
5	0.416	0.15	39.65	-	39.80	-	57.54	47.54	-17.73	-
6	0.439	0.15	39.39	-	39.54	-	57.08	47.08	-17.54	-
7	12.961	0.60	33.22	-	33.82	-	60.00	50.00	-26.18	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

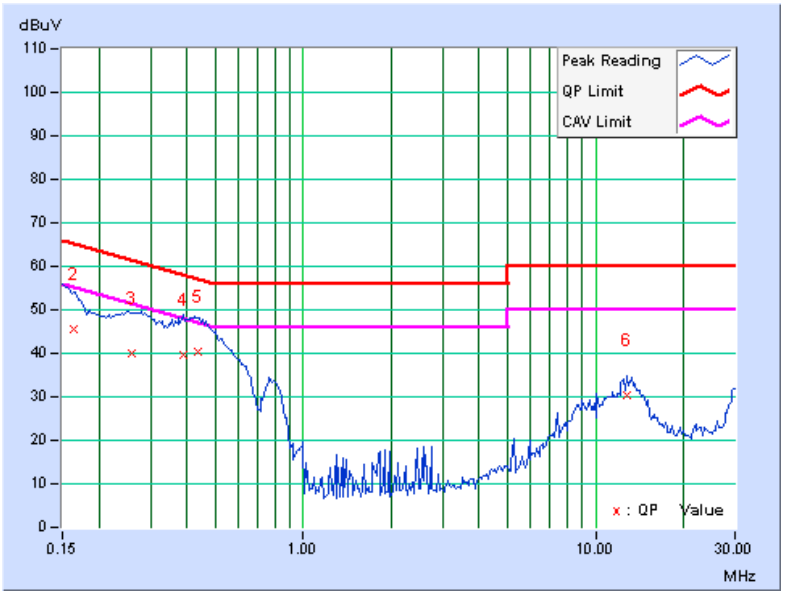


DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	-11.27	-	-11.14	-	66.00	56.00	-77.14	-
2	0.165	0.13	45.35	-	45.48	-	65.21	55.21	-19.73	-
3	0.258	0.13	40.02	-	40.15	-	61.48	51.48	-21.33	-
4	0.388	0.14	39.49	-	39.63	-	58.12	48.12	-18.49	-
5	0.438	0.14	40.27	-	40.41	-	57.09	47.09	-16.68	-
6	12.843	0.50	30.05	-	30.55	-	60.00	50.00	-29.45	-

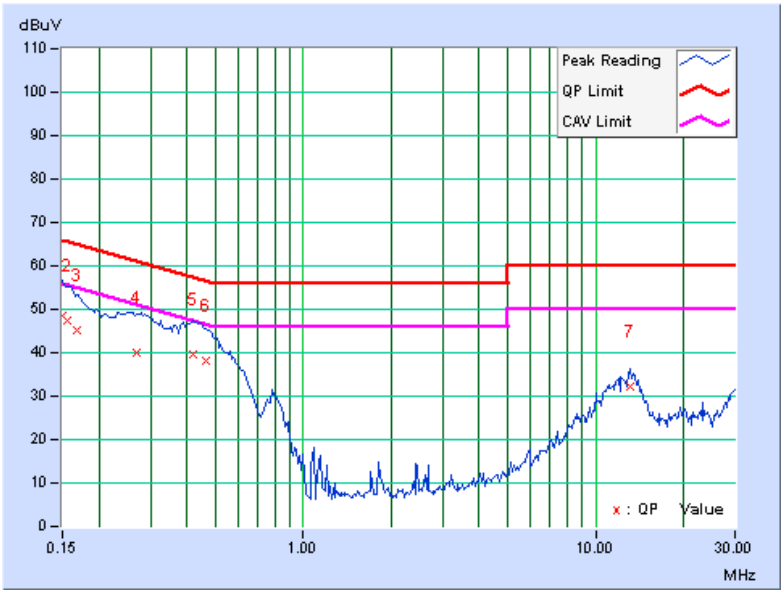
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 60	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.52	-	48.65	-	66.00	56.00	-17.35	-
2	0.157	0.13	47.11	-	47.24	-	65.63	55.63	-18.39	-
3	0.168	0.13	45.13	-	45.26	-	65.05	55.05	-19.79	-
4	0.270	0.14	39.83	-	39.97	-	61.11	51.11	-21.14	-
5	0.418	0.15	39.52	-	39.67	-	57.48	47.48	-17.81	-
6	0.466	0.15	37.89	-	38.04	-	56.59	46.59	-18.55	-
7	13.186	0.61	31.62	-	32.23	-	60.00	50.00	-27.77	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

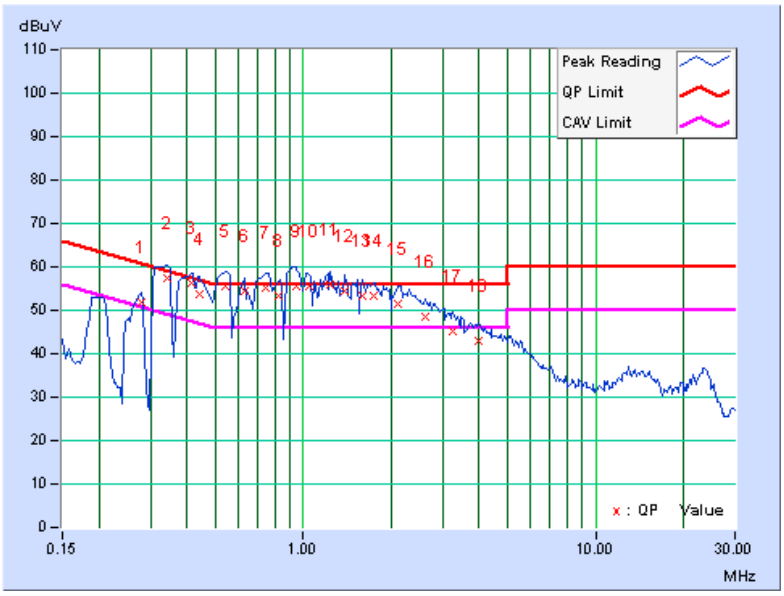


802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.279	0.13	51.69	40.51	51.82	40.64	60.85	50.85	-9.02	-10.20
2	0.341	0.14	57.41	47.57	57.55	47.71	59.17	49.17	-1.62	-1.46
3	0.416	0.14	56.11	45.42	56.25	45.56	57.54	47.54	-1.28	-1.97
4	0.439	0.14	53.68	37.92	53.82	38.06	57.08	47.08	-3.26	-9.02
5	0.541	0.15	55.48	40.63	55.63	40.78	56.00	46.00	-0.37	-5.22
6	0.627	0.15	54.18	42.09	54.33	42.24	56.00	46.00	-1.67	-3.76
7	0.740	0.16	55.20	38.55	55.36	38.71	56.00	46.00	-0.64	-7.29
8	0.826	0.16	53.05	38.46	53.21	38.62	56.00	46.00	-2.79	-7.38
9	0.943	0.17	55.40	40.23	55.57	40.40	56.00	46.00	-0.43	-5.60
10	1.043	0.17	55.57	42.10	55.74	42.27	56.00	46.00	-0.26	-3.73
11	1.242	0.17	55.75	40.58	55.92	40.75	56.00	46.00	-0.08	-5.25
12	1.379	0.18	54.11	37.72	54.29	37.90	56.00	46.00	-1.71	-8.10
13	1.598	0.18	52.97	35.66	53.15	35.84	56.00	46.00	-2.85	-10.16
14	1.734	0.18	53.26	38.55	53.44	38.73	56.00	46.00	-2.56	-7.27
15	2.098	0.19	51.20	36.41	51.39	36.60	56.00	46.00	-4.61	-9.40
16	2.609	0.22	48.21	33.85	48.43	34.07	56.00	46.00	-7.57	-11.93
17	3.266	0.25	44.76	-	45.01	-	56.00	46.00	-10.99	-
18	3.980	0.28	42.59	-	42.87	-	56.00	46.00	-13.13	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.


dBuV
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CAV Limit
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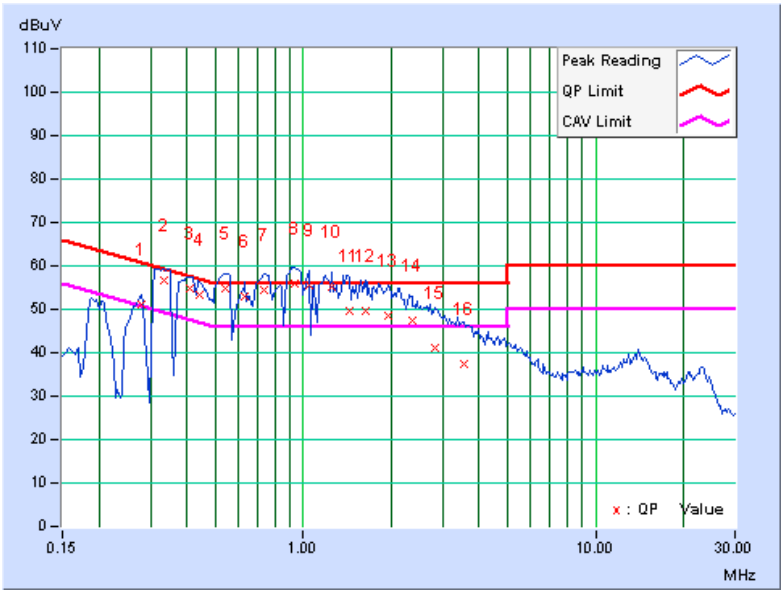
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	A		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.279	0.14	51.06	39.92	51.20	40.06	60.85	50.85	-9.65	-10.79
2	0.334	0.14	56.53	45.48	56.67	45.62	59.36	49.36	-2.69	-3.74
3	0.408	0.15	54.79	43.28	54.94	43.43	57.69	47.69	-2.75	-4.26
4	0.439	0.15	53.26	37.49	53.41	37.64	57.08	47.08	-3.67	-9.44
5	0.541	0.15	54.75	39.96	54.90	40.11	56.00	46.00	-1.10	-5.89
6	0.630	0.16	52.64	38.85	52.80	39.01	56.00	46.00	-3.20	-6.99
7	0.732	0.16	54.33	37.17	54.49	37.33	56.00	46.00	-1.51	-8.67
8	**0.931**	**0.17**	**55.80**	**38.42**	**55.97**	**38.59**	**56.00**	**46.00**	**-0.03**	**-7.41**
9	1.047	0.17	55.21	41.03	55.38	41.20	56.00	46.00	-0.62	-4.80
10	1.258	0.18	54.85	36.99	55.03	37.17	56.00	46.00	-0.97	-8.83
11	1.437	0.18	49.42	34.35	49.60	34.53	56.00	46.00	-6.40	-11.47
12	1.625	0.19	49.61	34.95	49.80	35.14	56.00	46.00	-6.20	-10.86
13	1.945	0.20	48.37	36.41	48.57	36.61	56.00	46.00	-7.43	-9.39
14	2.355	0.22	47.07	34.16	47.29	34.38	56.00	46.00	-8.71	-11.62
15	2.824	0.24	40.91	-	41.15	-	56.00	46.00	-14.85	-
16	3.551	0.28	37.30	-	37.58	-	56.00	46.00	-18.42	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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MHz
Peak Reading
QP Limit
CAV Limit
x : QP
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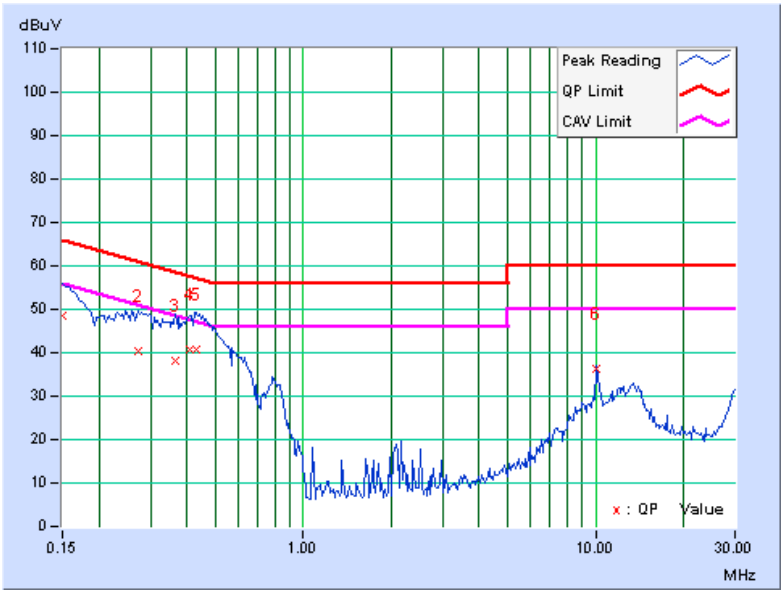
802.11a OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.31	-	48.44	-	66.00	56.00	-17.56	-
2	0.271	0.13	40.25	-	40.38	-	61.08	51.08	-20.70	-
3	0.365	0.14	38.12	-	38.26	-	58.62	48.62	-20.36	-
4	0.408	0.14	40.60	-	40.74	-	57.69	47.69	-16.95	-
5	0.431	0.14	40.61	-	40.75	-	57.23	47.23	-16.48	-
6	10.000	0.43	35.94	-	36.37	-	60.00	50.00	-23.63	-

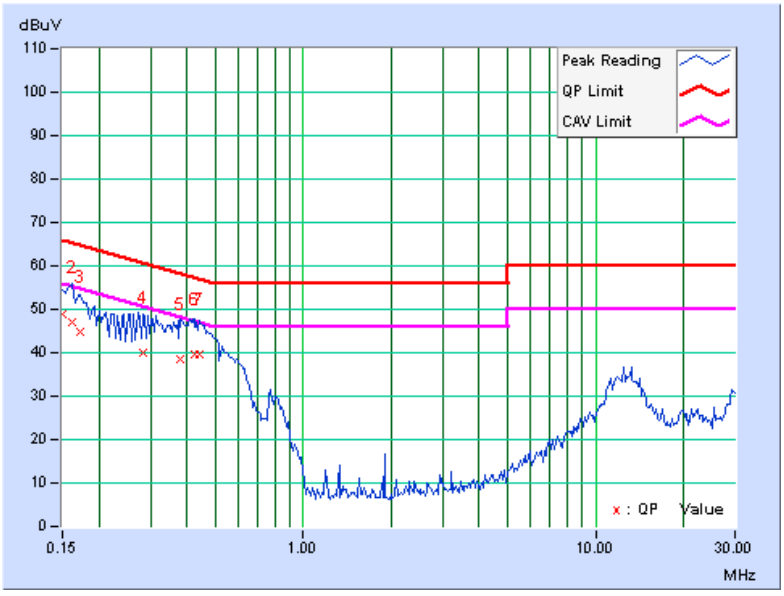
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.0Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	B		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.93	-	49.06	-	66.00	56.00	-16.94	-
2	0.162	0.13	46.91	-	47.04	-	65.38	55.38	-18.34	-
3	0.173	0.13	44.86	-	44.99	-	64.79	54.79	-19.80	-
4	0.283	0.14	39.84	-	39.98	-	60.73	50.73	-20.75	-
5	0.380	0.15	38.48	-	38.63	-	58.27	48.27	-19.64	-
6	0.427	0.15	39.62	-	39.77	-	57.30	47.30	-17.53	-
7	0.439	0.15	39.47	-	39.62	-	57.08	47.08	-17.46	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.

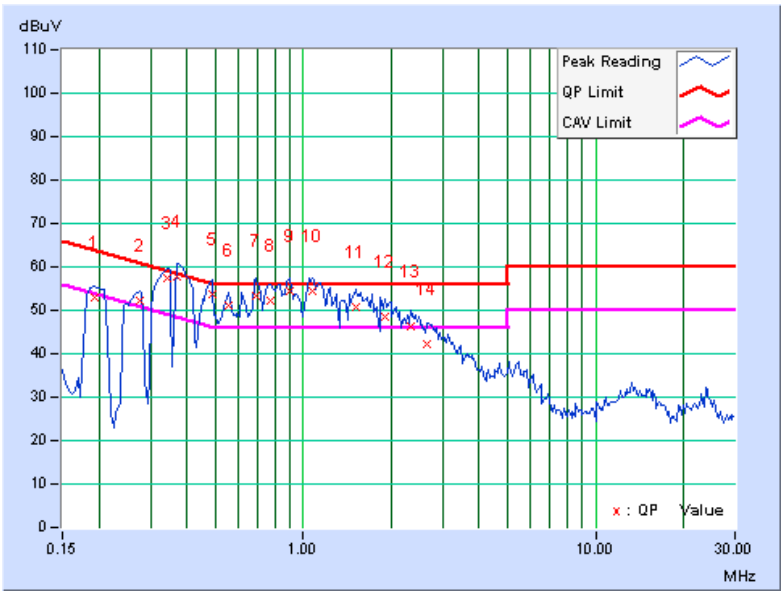


DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.194	0.13	52.82	-	52.95	-	63.85	53.85	-10.90	-
2	0.275	0.13	51.97	42.53	52.10	42.66	60.97	50.97	-8.86	-8.30
3	0.341	0.14	57.10	47.39	57.24	47.53	59.17	49.17	-1.93	-1.64
4	0.369	0.14	57.47	39.20	57.61	39.34	58.53	48.53	-0.92	-9.19
5	0.486	0.14	53.50	38.53	53.64	38.67	56.24	46.24	-2.59	-7.56
6	0.556	0.15	51.07	38.04	51.22	38.19	56.00	46.00	-4.78	-7.81
7	0.685	0.15	53.22	39.22	53.37	39.37	56.00	46.00	-2.63	-6.63
8	0.771	0.16	52.14	33.78	52.30	33.94	56.00	46.00	-3.70	-12.06
9	0.896	0.16	54.12	39.60	54.28	39.76	56.00	46.00	-1.72	-6.24
10	1.070	0.17	54.45	39.02	54.62	39.19	56.00	46.00	-1.38	-6.81
11	1.508	0.18	50.39	36.31	50.57	36.49	56.00	46.00	-5.43	-9.51
12	1.914	0.19	48.18	35.12	48.37	35.31	56.00	46.00	-7.63	-10.69
13	2.348	0.21	46.18	33.31	46.39	33.52	56.00	46.00	-9.61	-12.48
14	2.660	0.22	42.15	-	42.37	-	56.00	46.00	-13.63	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.


dBuV
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MHz
Peak Reading
QP Limit
CAV Limit
x : QP Value
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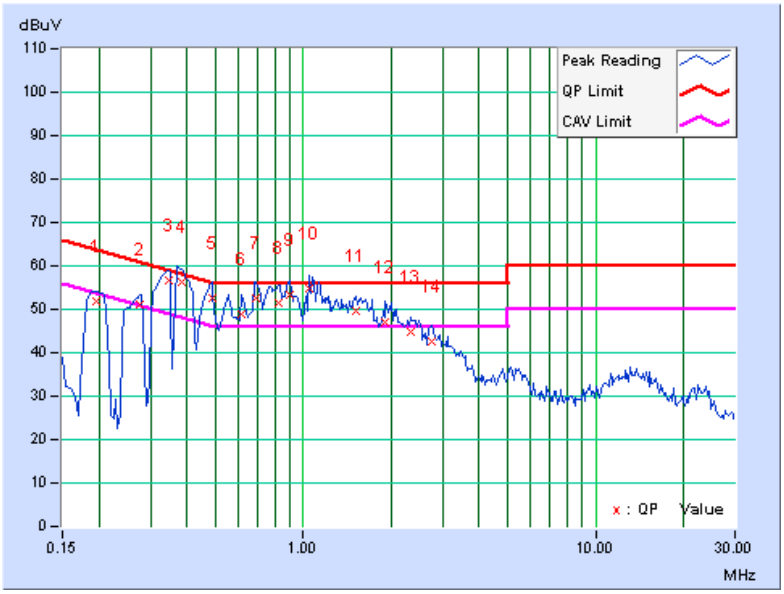
EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	C		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.197	0.13	51.64	-	51.77	-	63.74	53.74	-11.97	-
2	0.275	0.14	50.84	41.41	50.98	41.55	60.97	50.97	-9.99	-9.42
3	0.345	0.14	56.41	45.34	56.55	45.48	59.07	49.07	-2.52	-3.59
4	0.384	0.15	56.15	42.48	56.30	42.63	58.18	48.18	-1.89	-5.56
5	0.486	0.15	52.55	37.60	52.70	37.75	56.24	46.24	-3.53	-8.48
6	0.615	0.16	48.89	33.72	49.05	33.88	56.00	46.00	-6.95	-12.12
7	0.689	0.16	52.31	38.71	52.47	38.87	56.00	46.00	-3.53	-7.13
8	0.826	0.16	51.46	38.95	51.62	39.11	56.00	46.00	-4.38	-6.89
9	0.896	0.17	53.21	38.62	53.38	38.79	56.00	46.00	-2.62	-7.21
10	1.051	0.17	54.75	39.06	54.92	39.23	56.00	46.00	-1.08	-6.77
11	1.508	0.19	49.38	35.21	49.57	35.40	56.00	46.00	-6.43	-10.60
12	1.914	0.20	46.99	33.98	47.19	34.18	56.00	46.00	-8.81	-11.82
13	2.344	0.22	44.66	-	44.88	-	56.00	46.00	-11.12	-
14	2.770	0.24	42.51	-	42.75	-	56.00	46.00	-13.25	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.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Peak Reading
QP Limit
CAV Limit
x : QP Value
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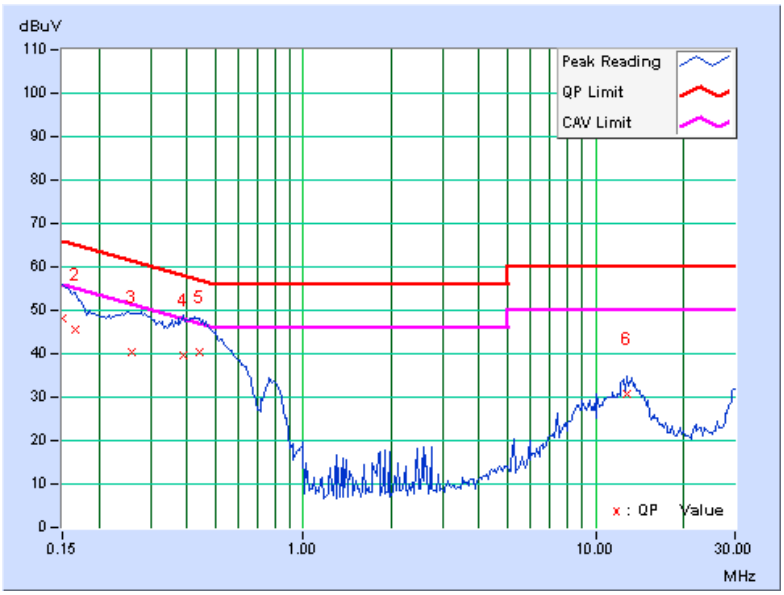
DRAFT 802.11n (20MHz) OFDM MODULATION

EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 1
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.15	-	48.28	-	66.00	56.00	-17.72	-
2	0.166	0.13	45.43	-	45.56	-	65.18	55.18	-19.62	-
3	0.259	0.13	40.16	-	40.29	-	61.45	51.45	-21.16	-
4	0.388	0.14	39.61	-	39.75	-	58.10	48.10	-18.35	-
5	0.439	0.14	40.38	-	40.52	-	57.08	47.08	-16.56	-
6	12.844	0.50	30.13	-	30.63	-	60.00	50.00	-29.37	-

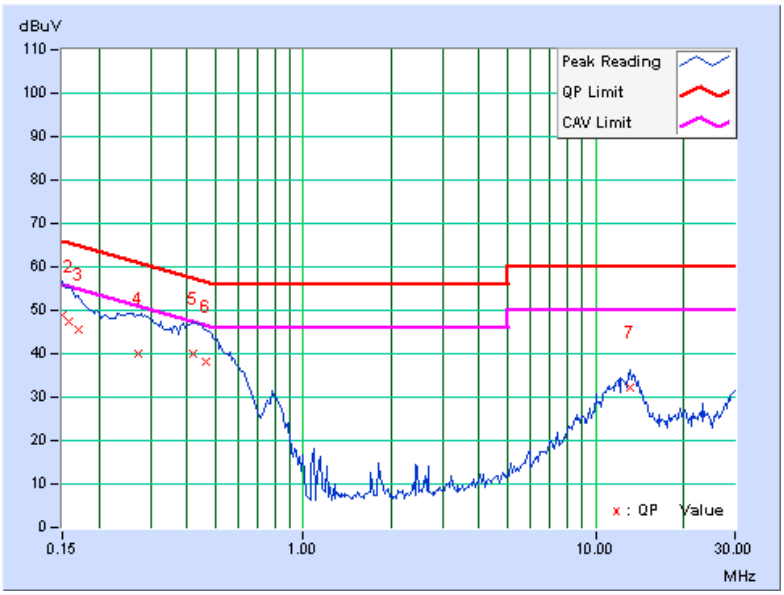
REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



EUT TEST CONDITION		MEASUREMENT DETAIL	
CHANNEL	Channel 140	PHASE	Line 2
MODULATION TYPE	BPSK	INPUT POWER (SYSTEM)	120Vac, 60Hz
TRANSFER RATE	6.5Mbps	6dB BANDWIDTH	9kHz
ENVIRONMENTAL CONDITIONS	25deg. C, 77%RH, 982hPa	TESTED BY	Scott Yang
TEST MODE	D		

No	Freq.	Corr. Factor	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
	[MHz]	(dB)	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.150	0.13	48.65	-	48.78	-	66.00	56.00	-17.22	-
2	0.158	0.13	47.22	-	47.35	-	65.58	55.58	-18.23	-
3	0.170	0.13	45.27	-	45.40	-	64.98	54.98	-19.58	-
4	0.271	0.14	39.95	-	40.09	-	61.08	51.08	-21.00	-
5	0.420	0.15	39.67	-	39.82	-	57.46	47.46	-17.64	-
6	0.466	0.15	38.08	-	38.23	-	56.58	46.58	-18.35	-
7	13.188	0.61	31.77	-	32.38	-	60.00	50.00	-27.62	-

REMARKS: 1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
3. The emission levels of other frequencies were very low against the limit.
4. Margin value = Emission level - Limit value
5. Correction factor = Insertion loss + Cable loss
6. Emission Level = Correction Factor + Reading Value.



4.3 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

4.3.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

FREQUENCY BAND	LIMIT
5.150 ~ 5.250GHz	The lesser of 50mW (17dBm) or 4dBm + 10logB
5.250 ~ 5.350GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB
5.470 ~ 5.725GHz	The lesser of 250mW (24dBm) or 11dBm + 10logB

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

4.3.2 TEST INSTRUMENTS

DESCRIPTION & MANUFACTURER	MODEL NO.	SERIAL NO.	DATE OF CALIBRATION	DUE DATE OF CALIBRATION
Spectrum Analyzer Agilent	E4446A	MY44360128	Dec. 12, 2008	Dec. 11, 2009

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

4.3.3 TEST PROCEDURES

a. The transmitter output was connected to the spectrum analyzer.

b. Set span to encompass the entire emission bandwidth of the signal.

c. Set RBW to 1MHz, VBW to 3MHz.

d. Using the spectrum analyzer's channel power measurement function to measure the output power.

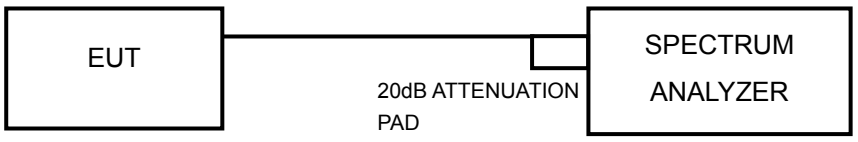
NOTE: The test is performed in accordance with FCC Public Notice: APPENDIX A Guidelines for Assessing Unlicensed National Information Infrastructure (U-NII) Devices – Part 15, Subpart E, August 2002.

The transmitter output operates continuously therefore Method # 1 is used.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

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

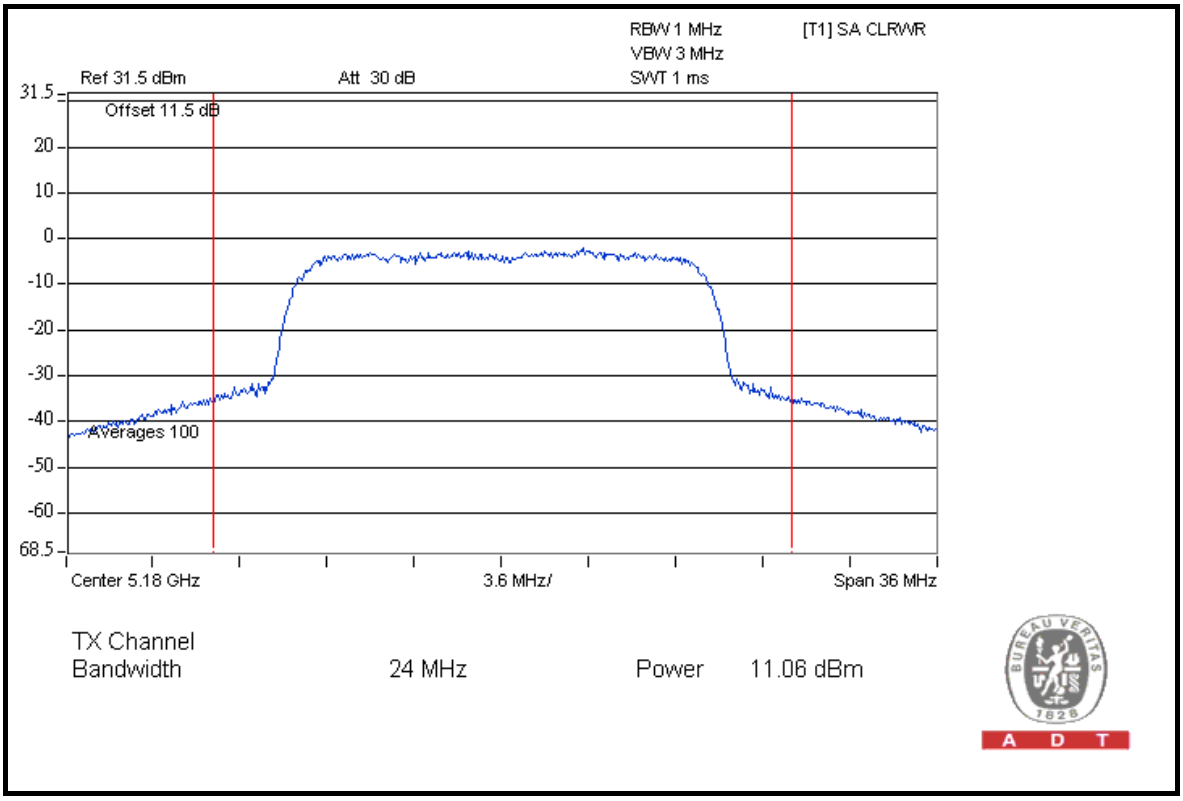
4.3.7 TEST RESULTS

POWER OUTPUT: 802.11a OFDM MODULATION

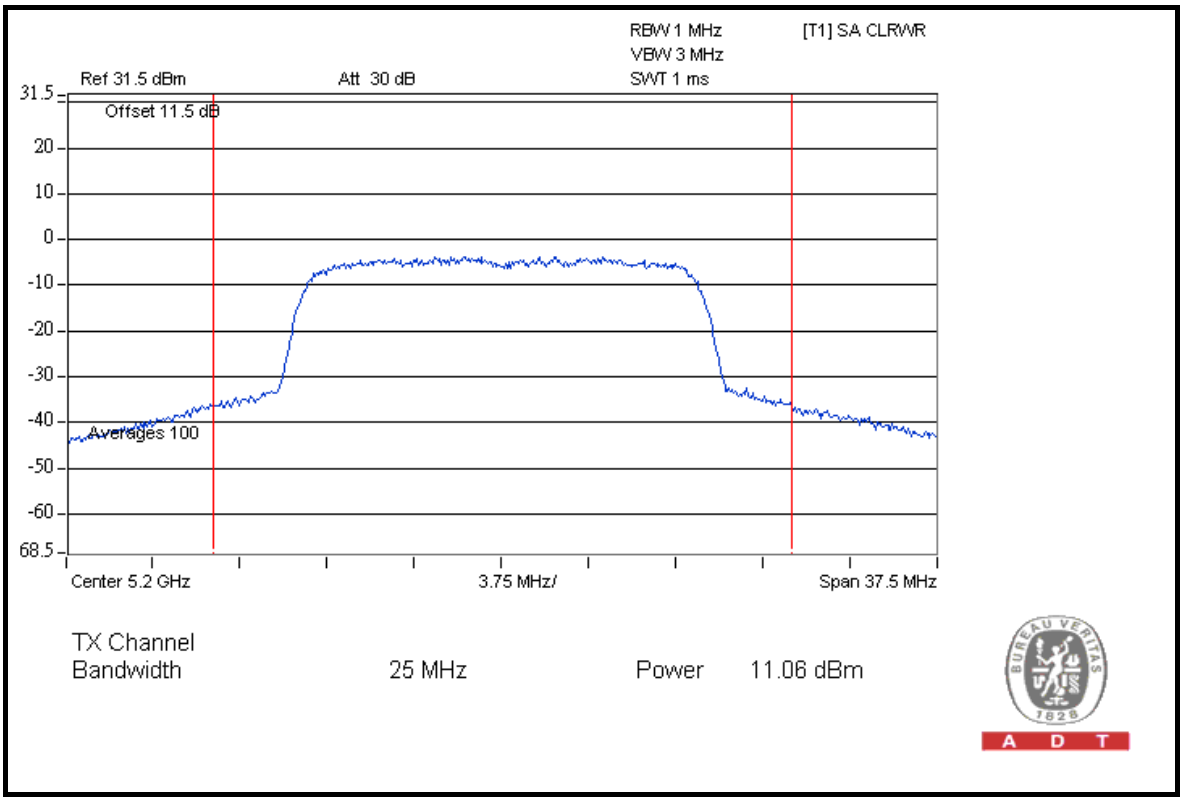
MODULATION TYPE	BPSK	**TRANSFER RATE**	6.0Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.06	11.07	11.01	38.176	15.82	17	PASS
40	5200	11.06	11.05	11.07	38.293	15.83	17	PASS
48	5240	11.11	11.03	11.10	38.471	15.85	17	PASS
52	5260	18.69	18.68	18.66	221.20	23.45	24	PASS
60	5300	18.60	18.70	18.56	218.35	23.39	24	PASS
64	5320	18.62	18.53	18.73	218.71	23.40	24	PASS
100	5500	18.65	18.68	18.64	220.19	23.43	24	PASS
120	5600	18.64	18.63	18.68	219.85	23.42	24	PASS
140	5700	16.68	18.67	18.70	221.54	23.45	24	PASS

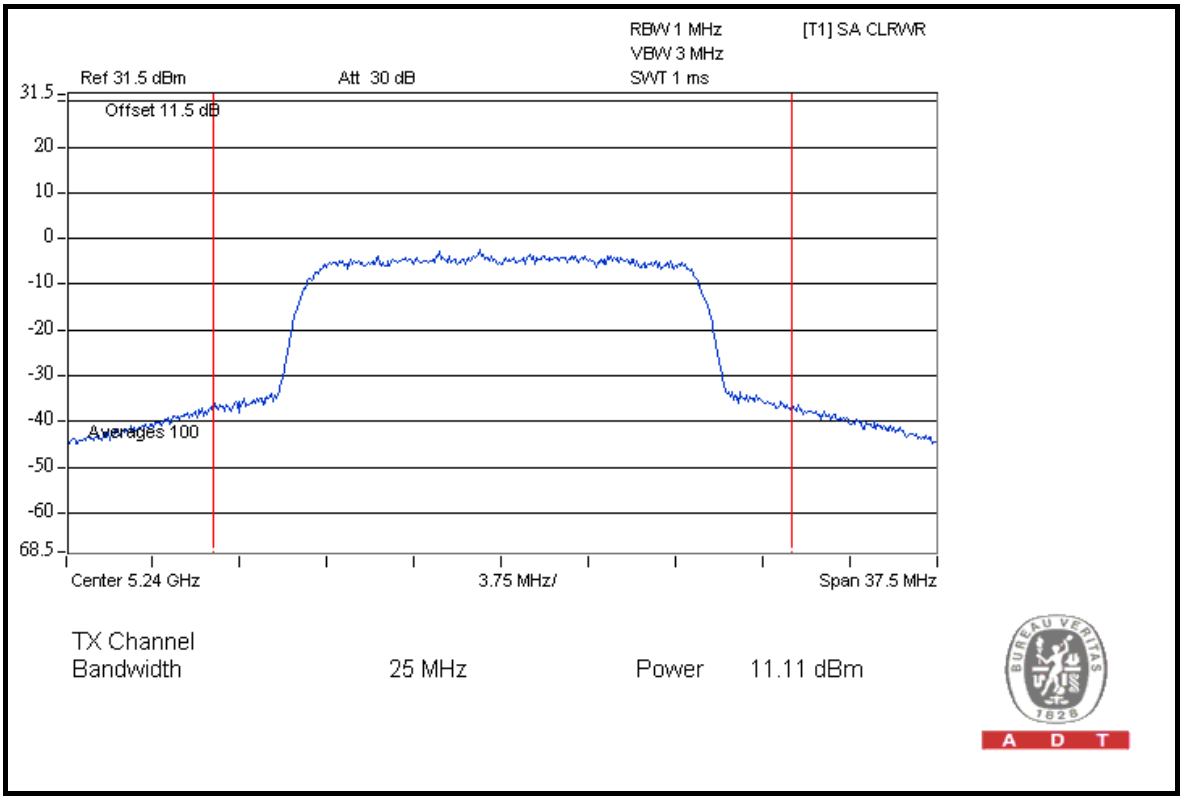
CHAIN 0 CH 36



CH 40

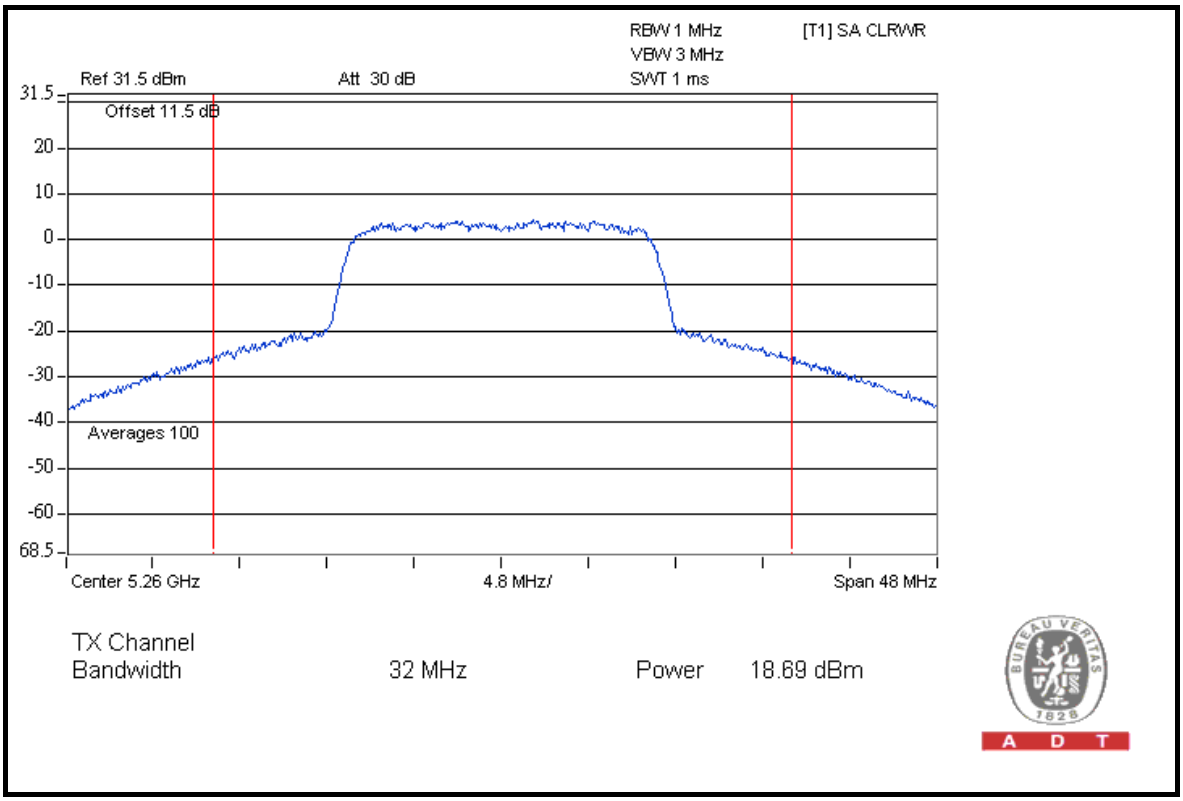


CH 48



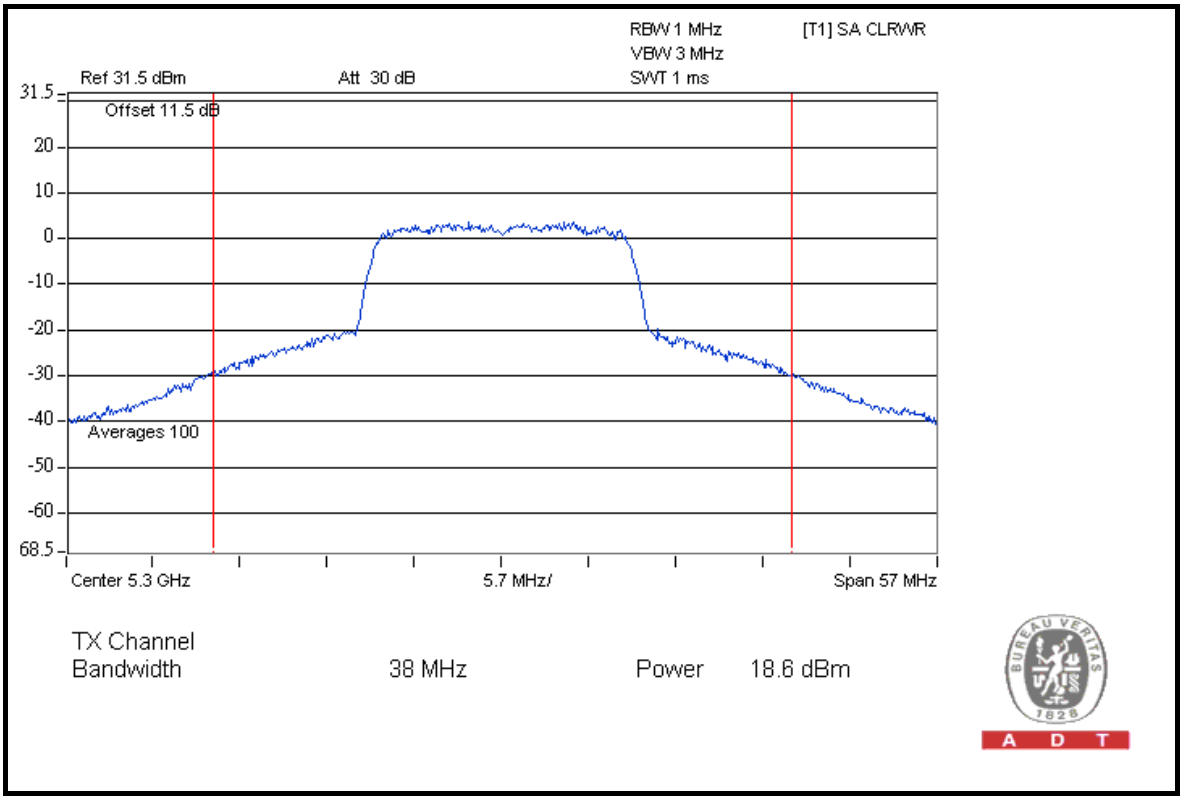
TX Channel Bandwidth 25 MHz Power 11.11 dBm

CH 52



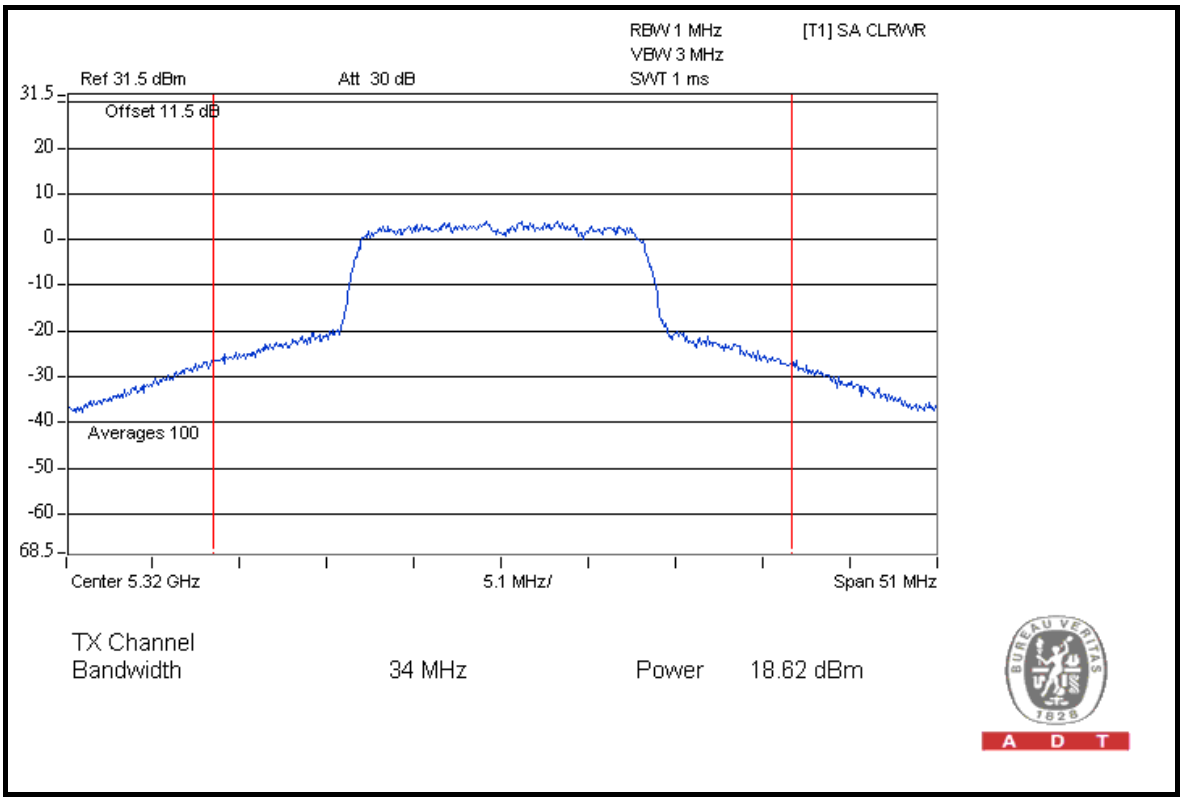
TX Channel Bandwidth 32 MHz Power 18.69 dBm

CH 60



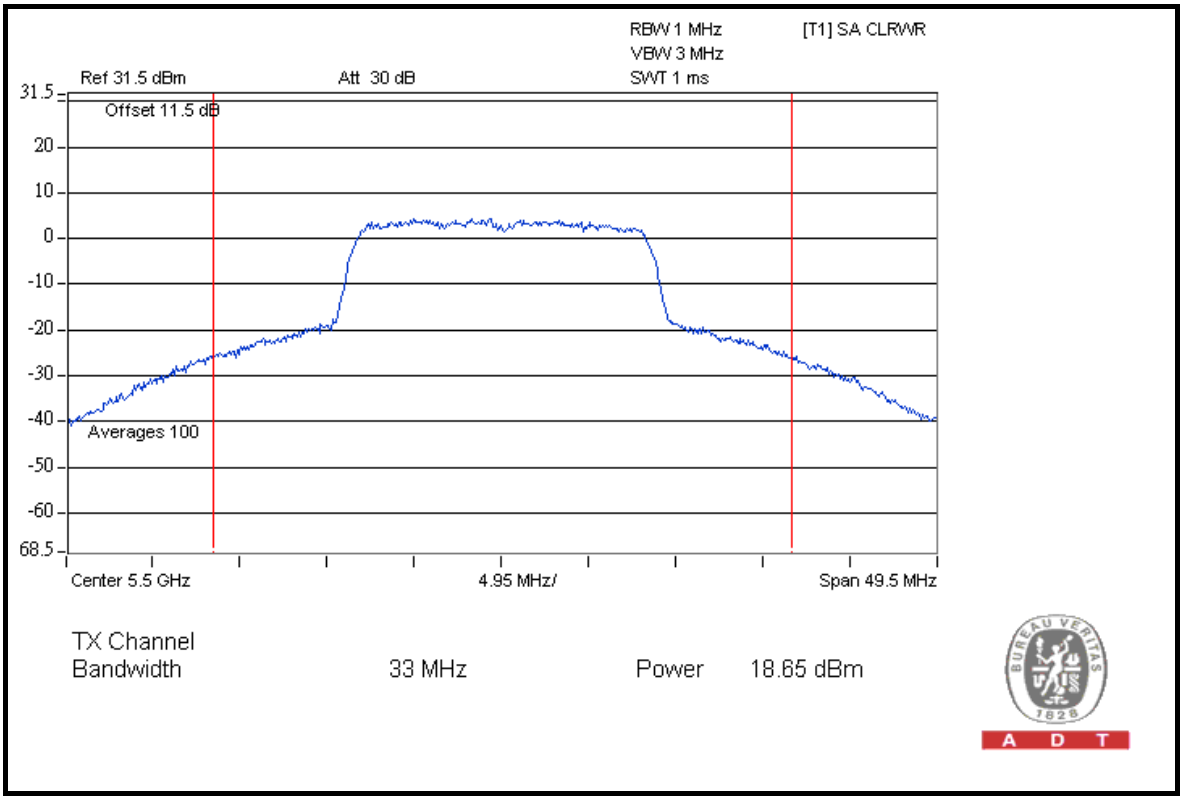
TX Channel Bandwidth 38 MHz Power 18.6 dBm

CH 64



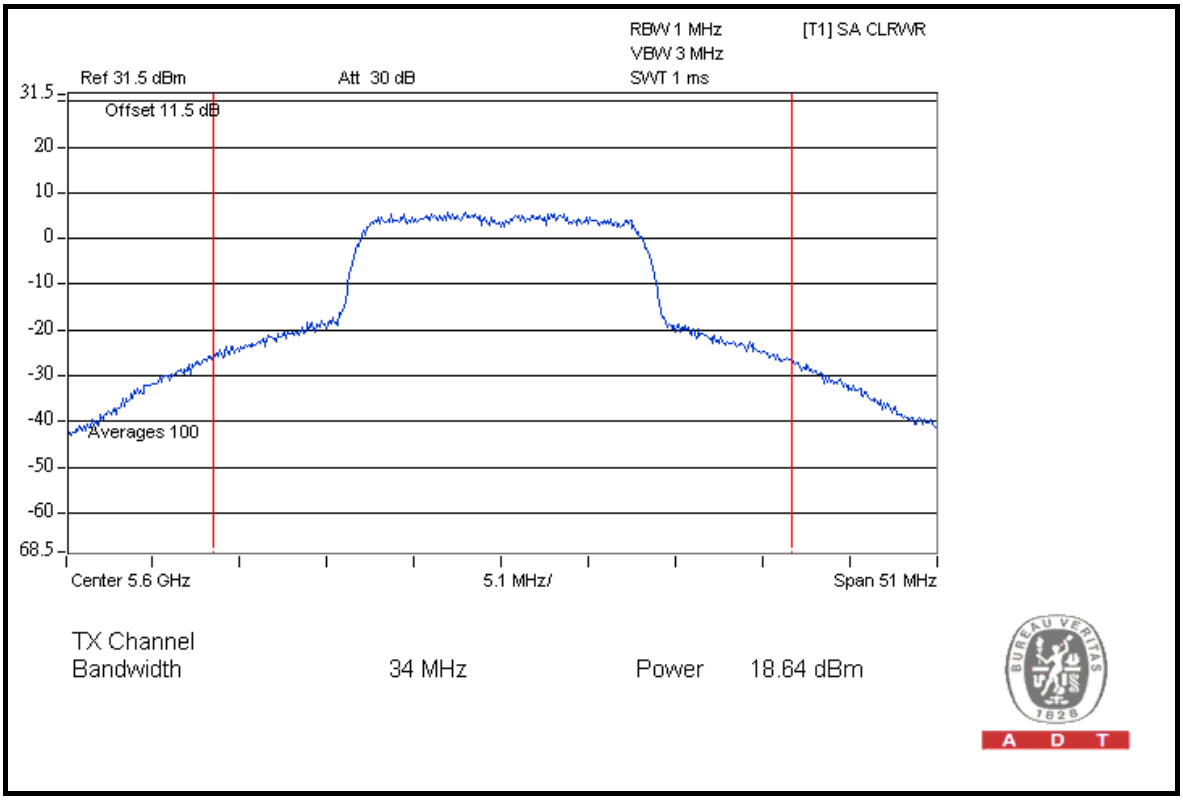
TX Channel Bandwidth 34 MHz Power 18.62 dBm

CH 100



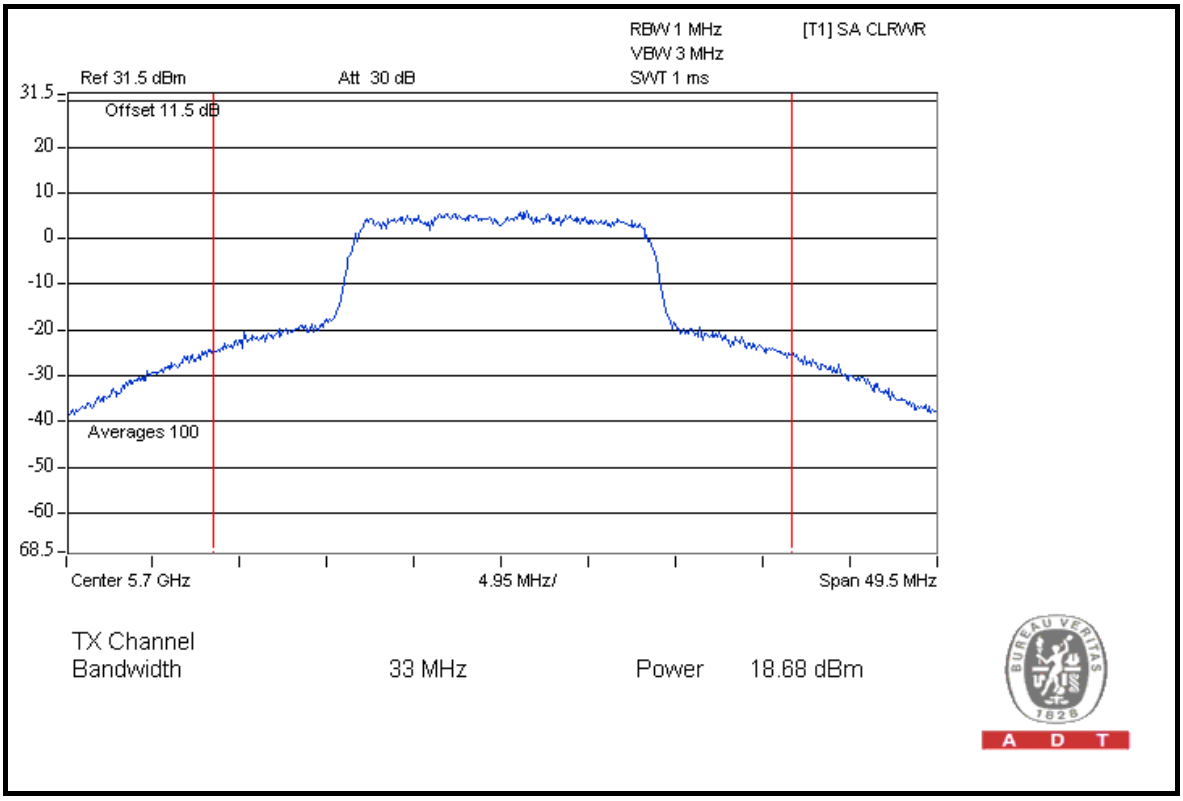
TX Channel Bandwidth 33 MHz Power 18.65 dBm

CH 120

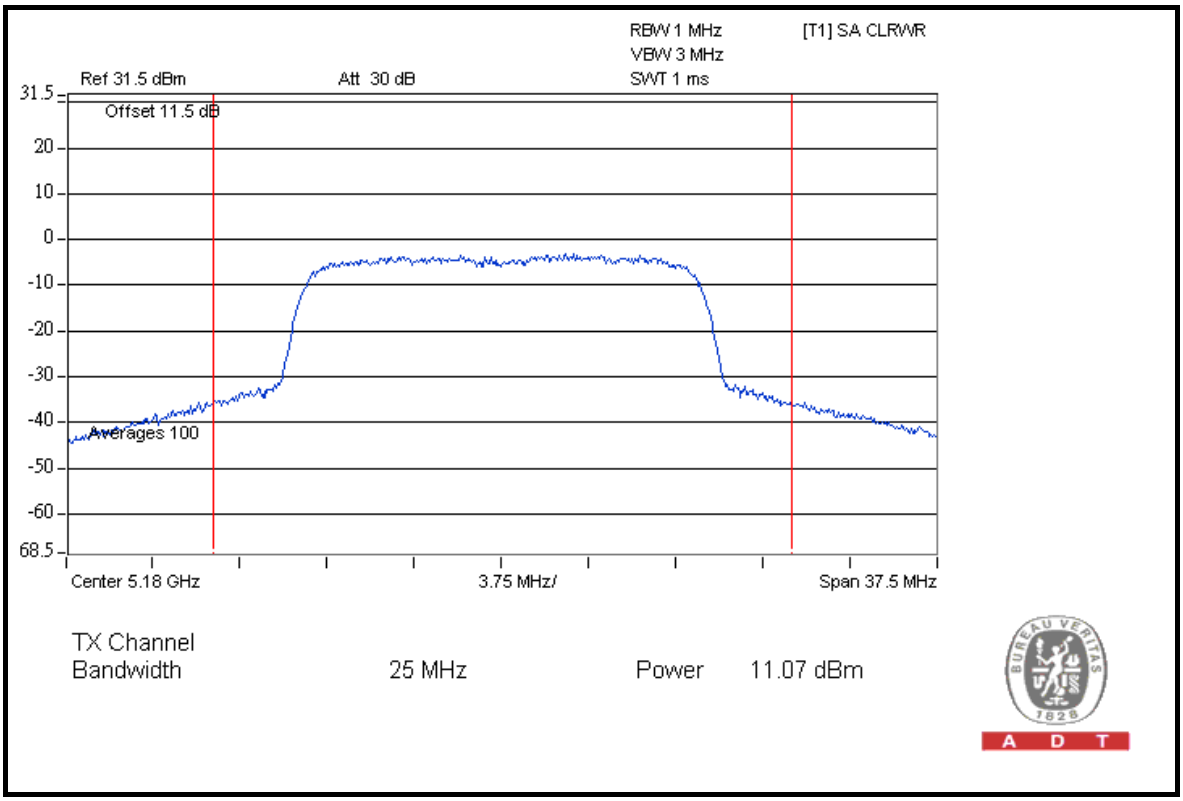


TX Channel Bandwidth 34 MHz Power 18.64 dBm

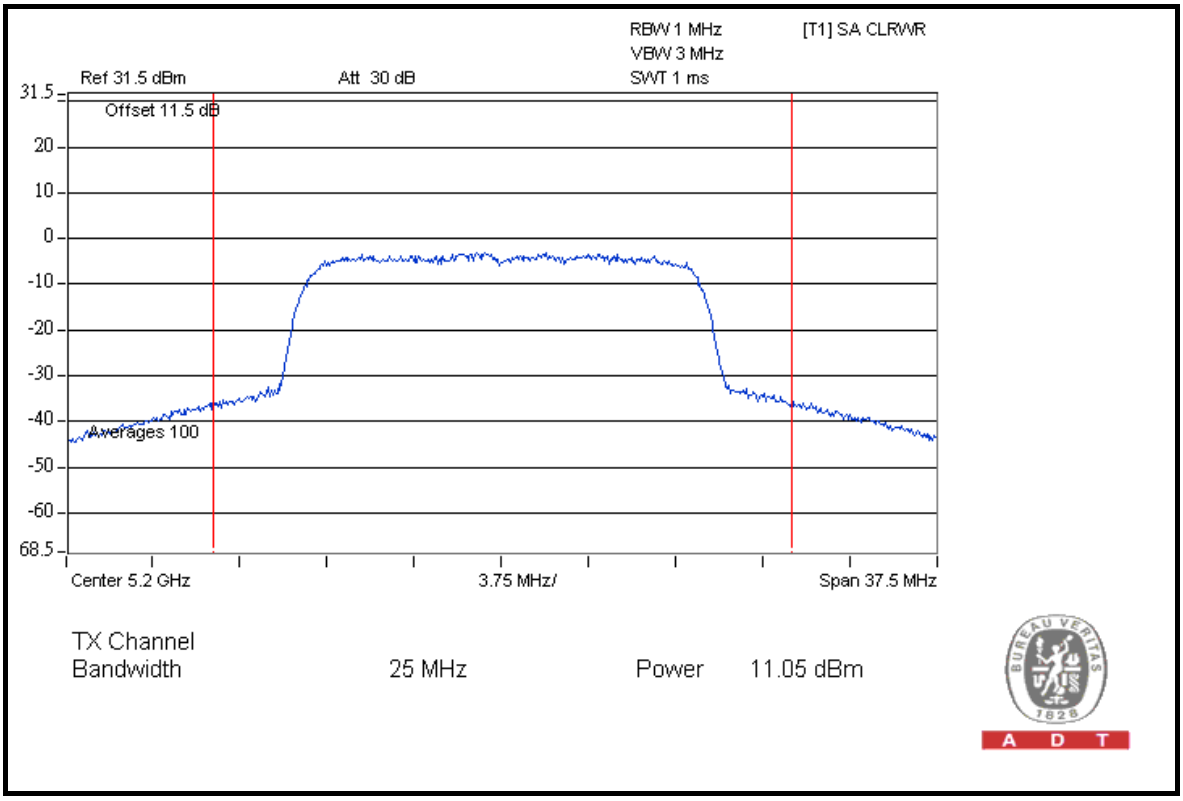
CH 140



CHAIN 1 CH 36

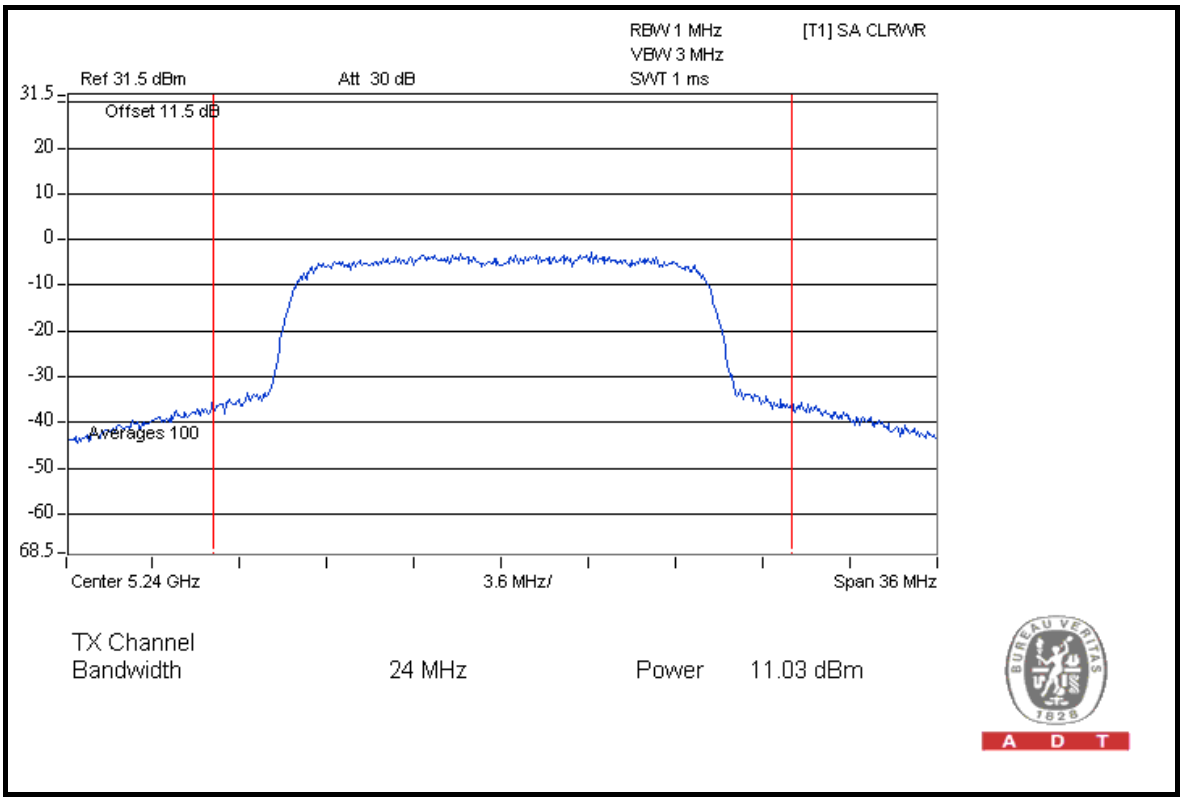


CH 40



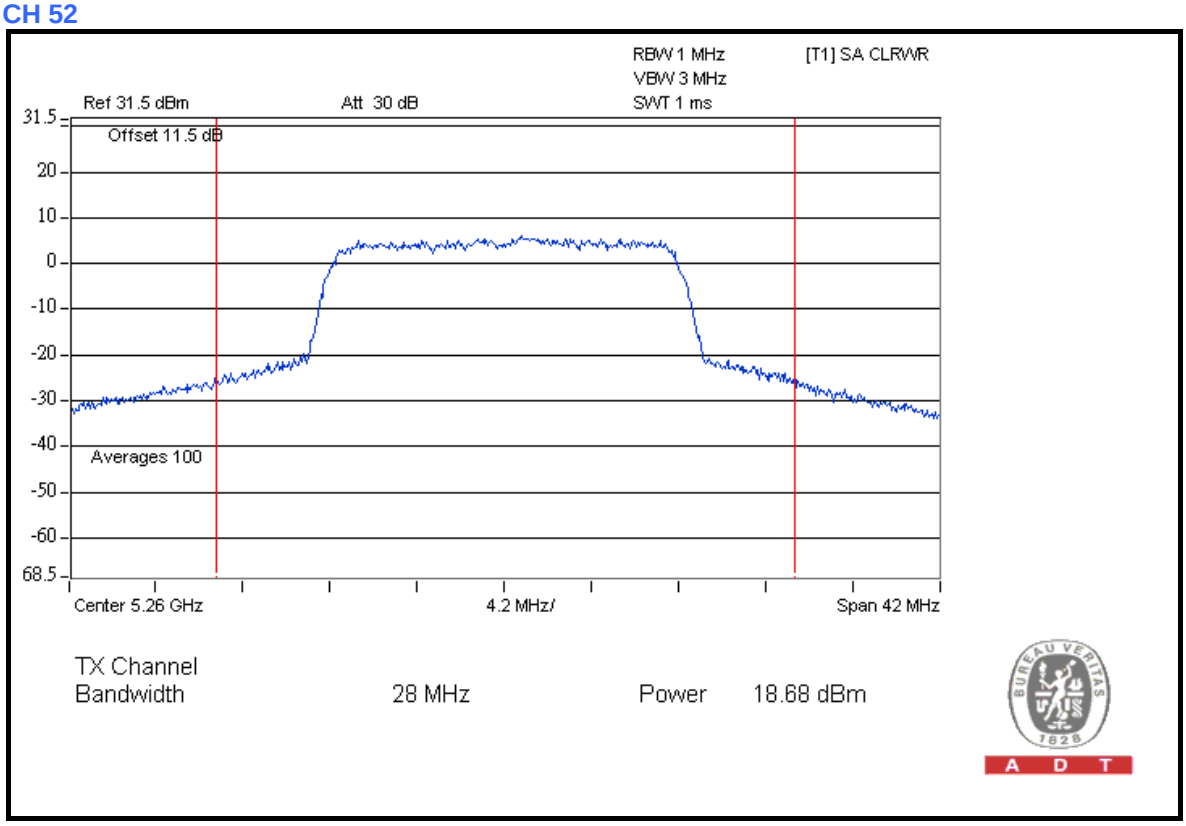
TX Channel Bandwidth 25 MHz Power 11.05 dBm

CH 48

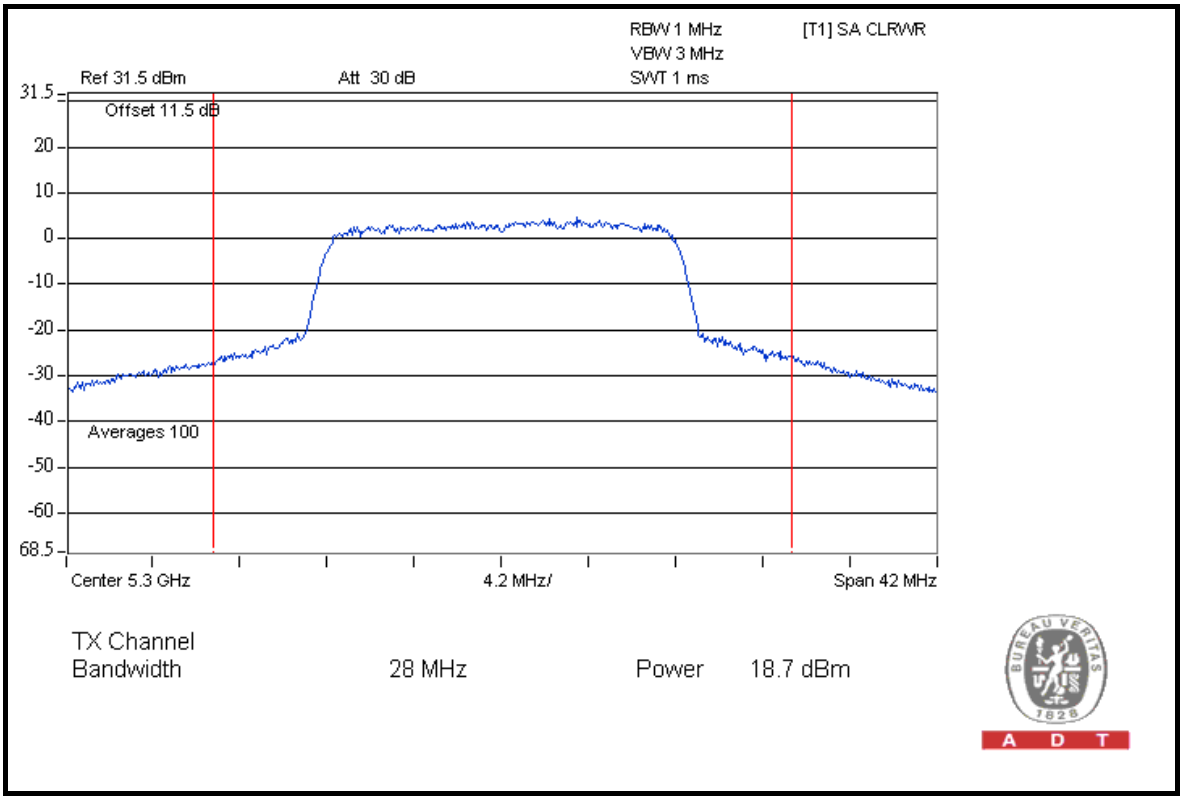


TX Channel Bandwidth 24 MHz Power 11.03 dBm

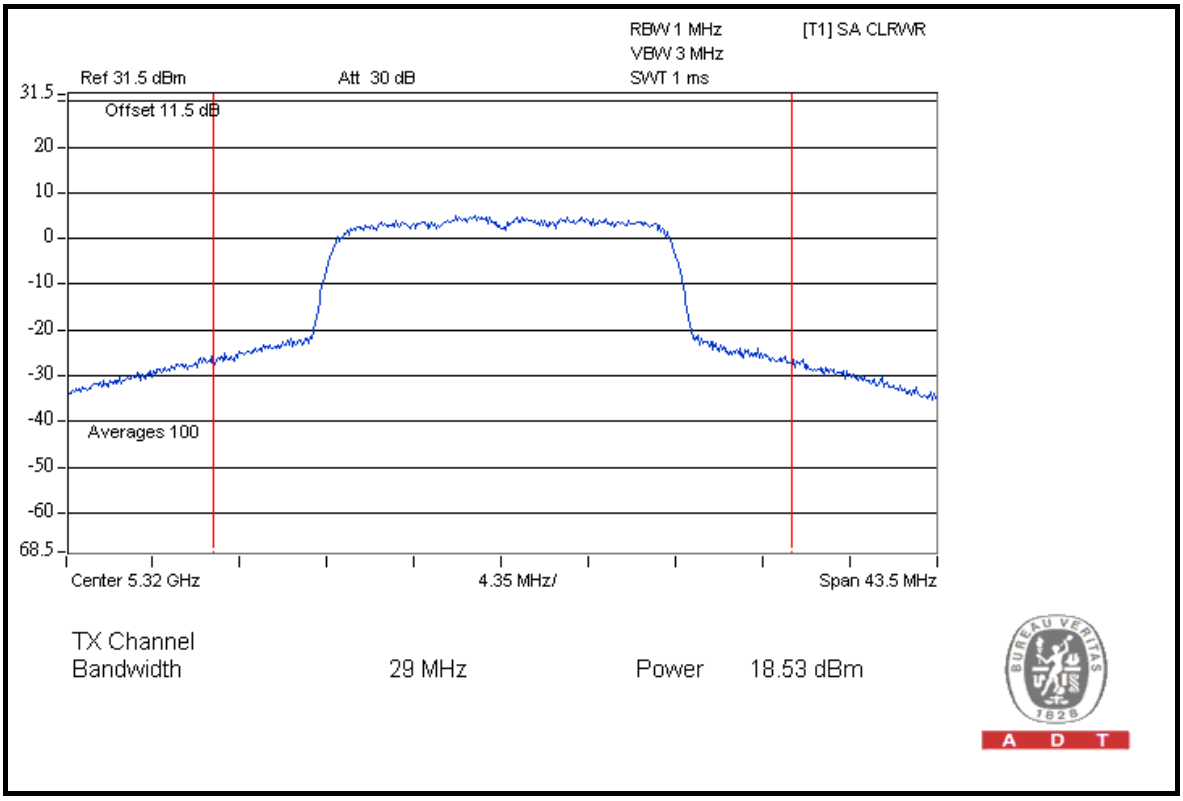
CH 52


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.26 GHz
4.2 MHz/
Span 42 MHz
TX Channel
Bandwidth
28 MHz
Power
18.68 dBm

CH 60

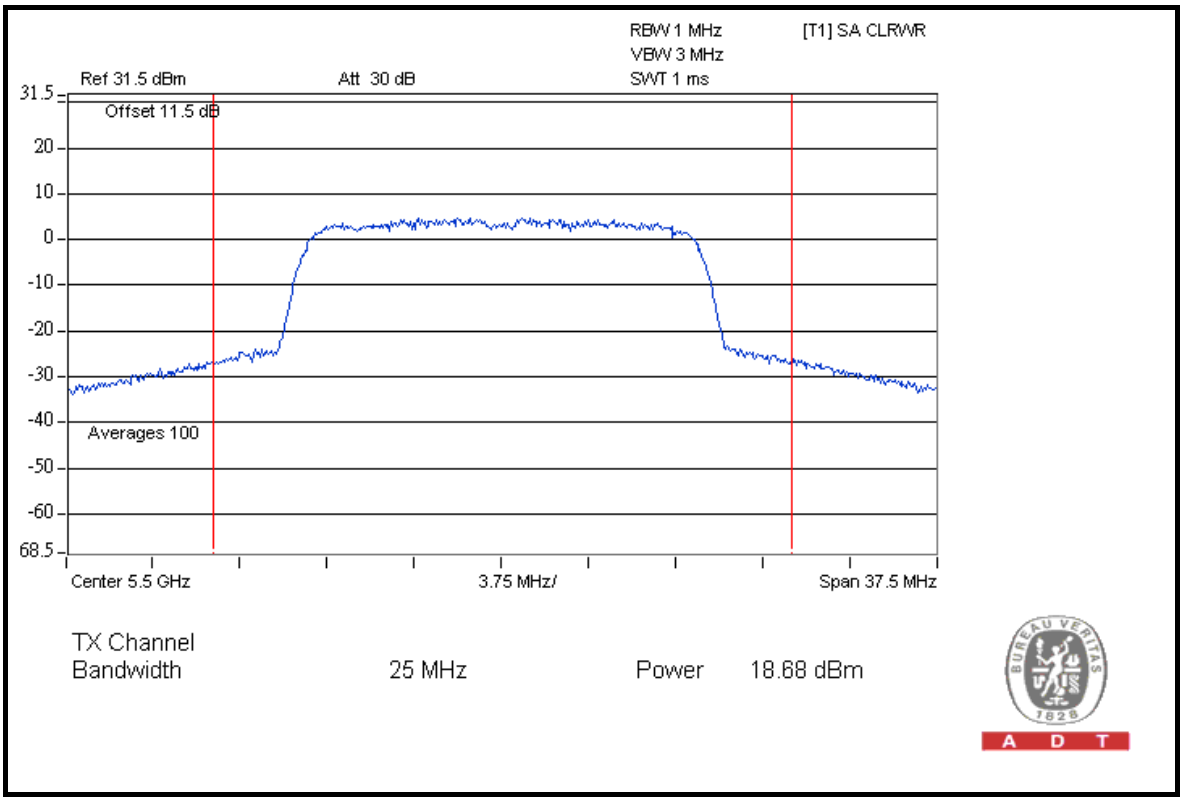

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
4.2 MHz/
Span 42 MHz
TX Channel
Bandwidth
28 MHz
Power
18.7 dBm

CH 64



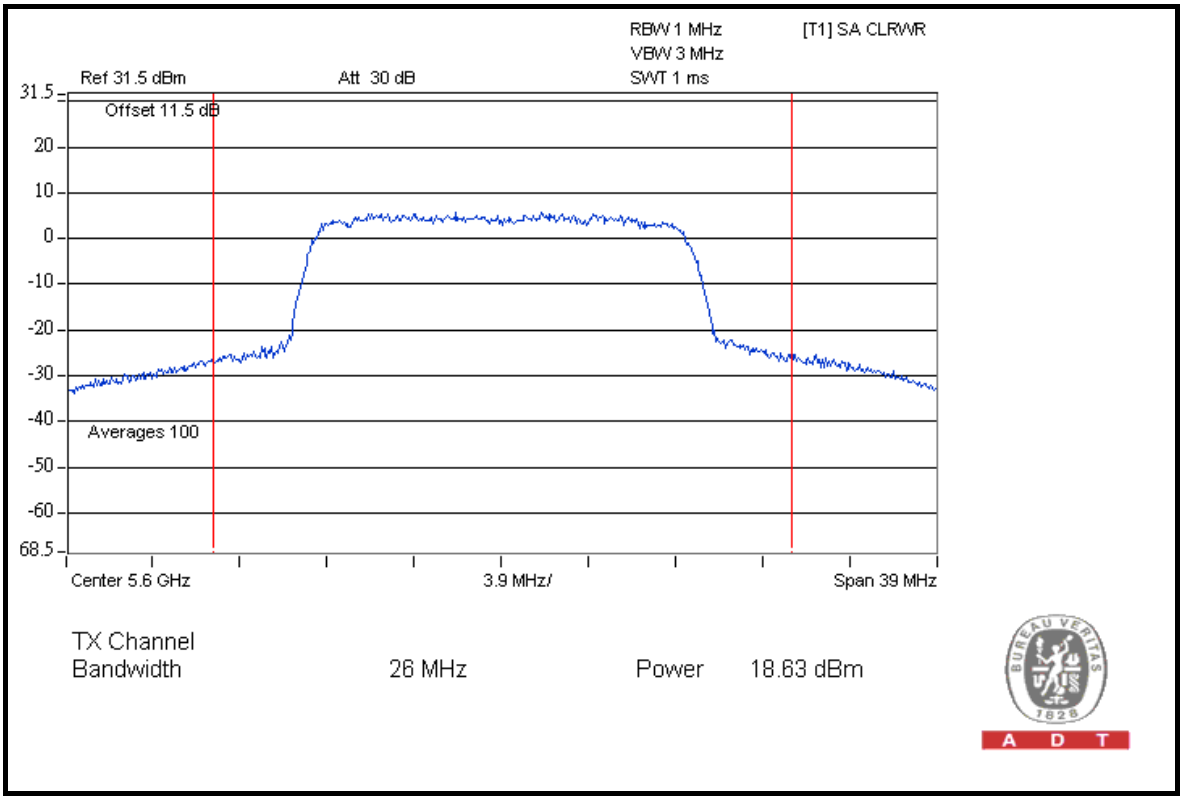
TX Channel Bandwidth 29 MHz Power 18.53 dBm

CH 100

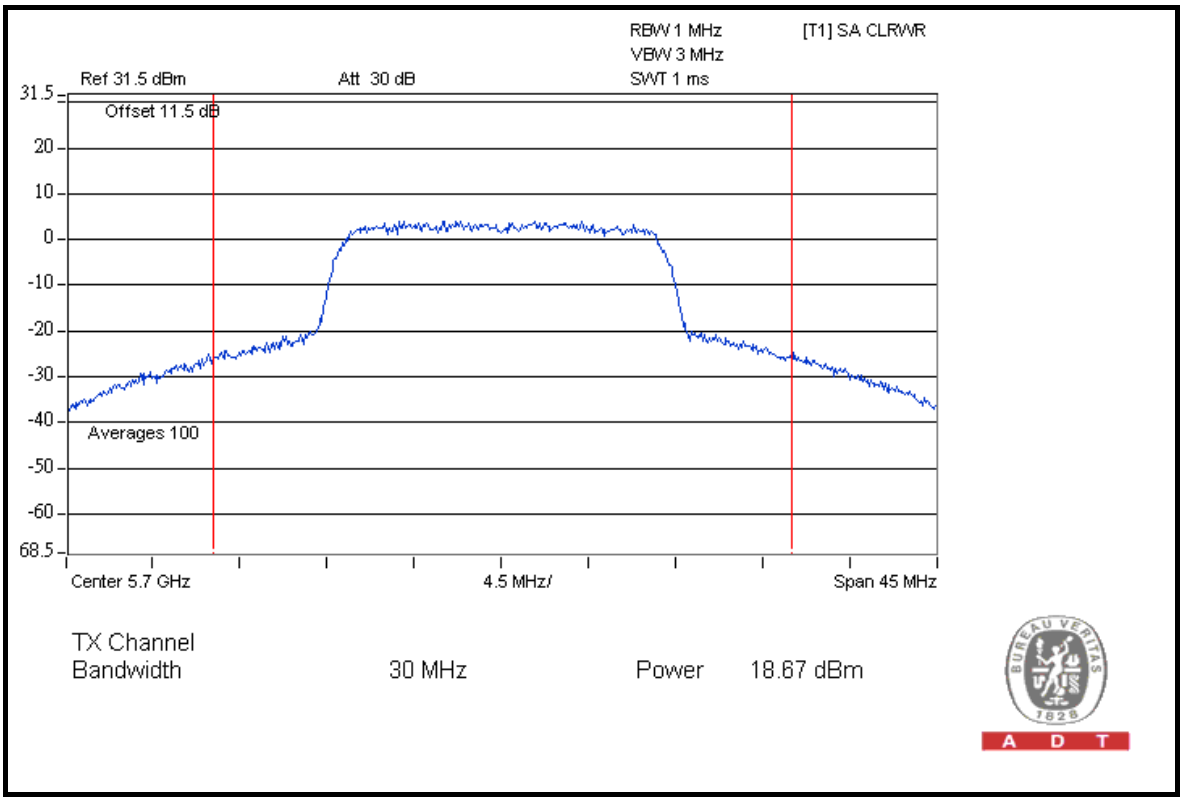


TX Channel Bandwidth 25 MHz Power 18.68 dBm

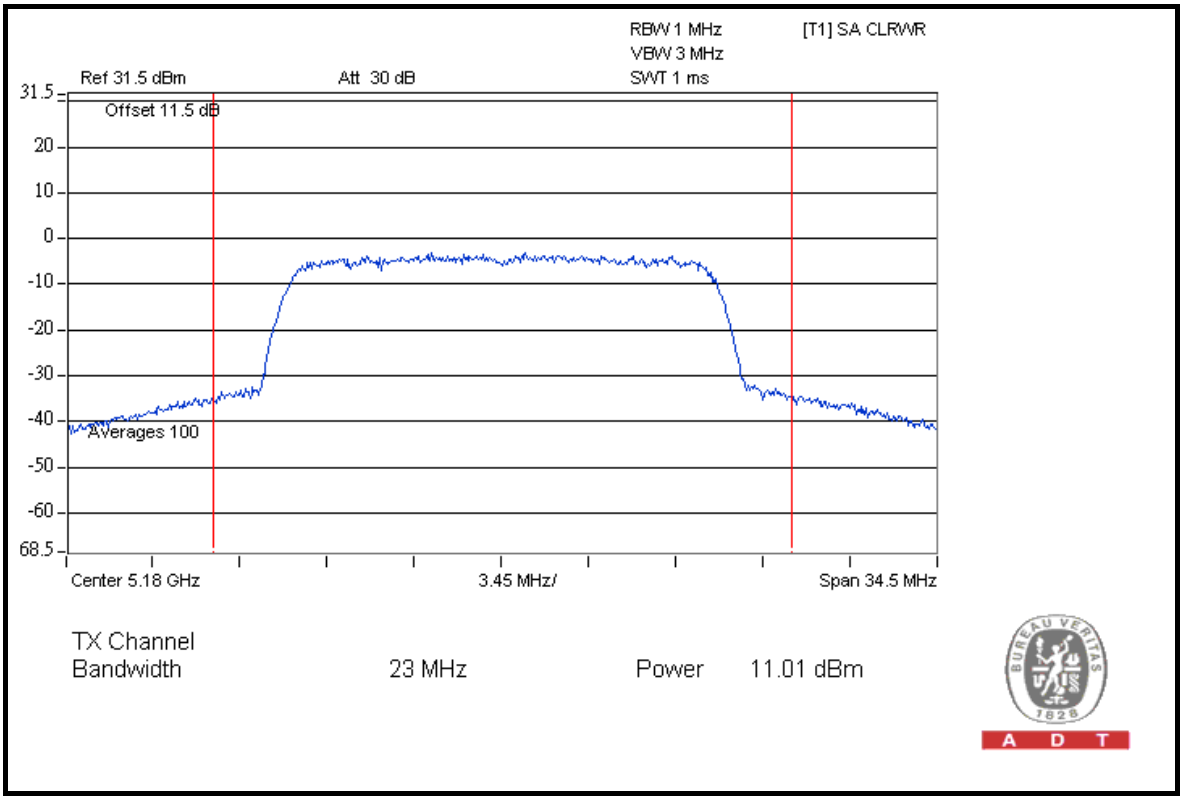
CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
3.9 MHz/
Span 39 MHz
TX Channel Bandwidth
26 MHz
Power
18.63 dBm

CH 140

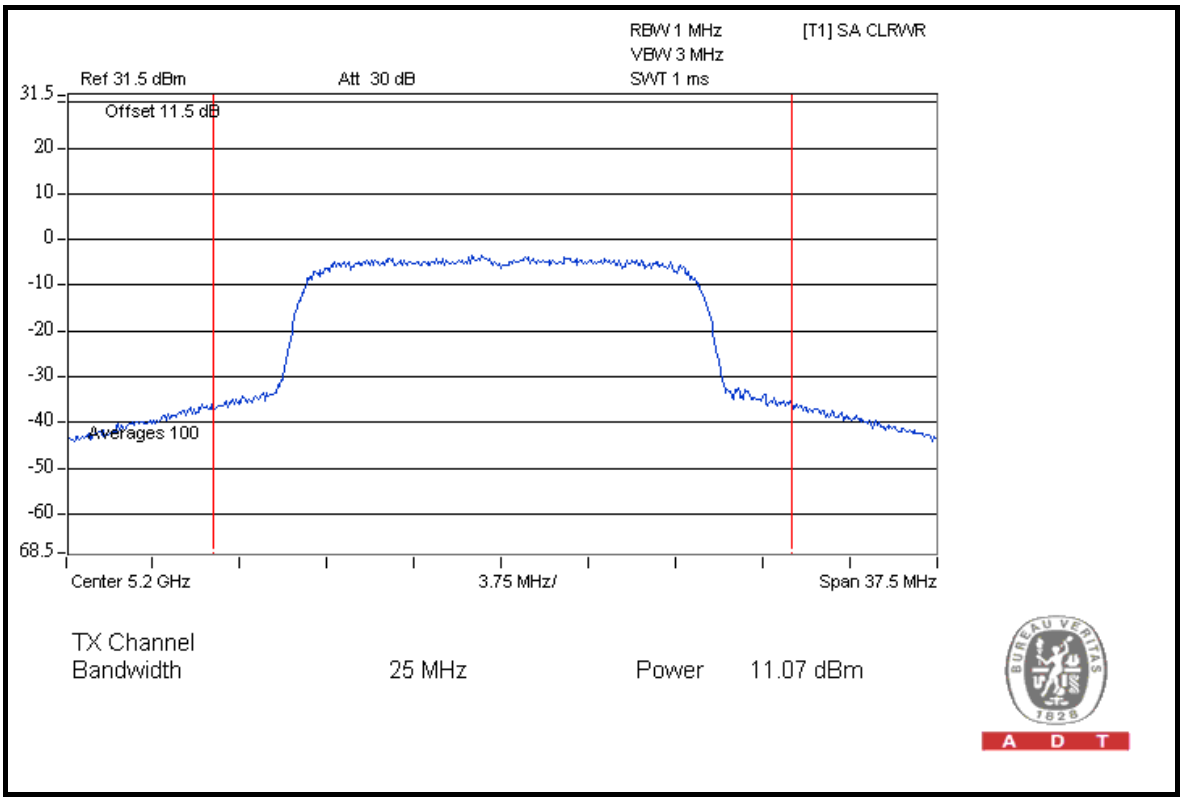

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.7 GHz
4.5 MHz/
Span 45 MHz
TX Channel Bandwidth
30 MHz
Power
18.67 dBm

CHAIN 2 CH 36



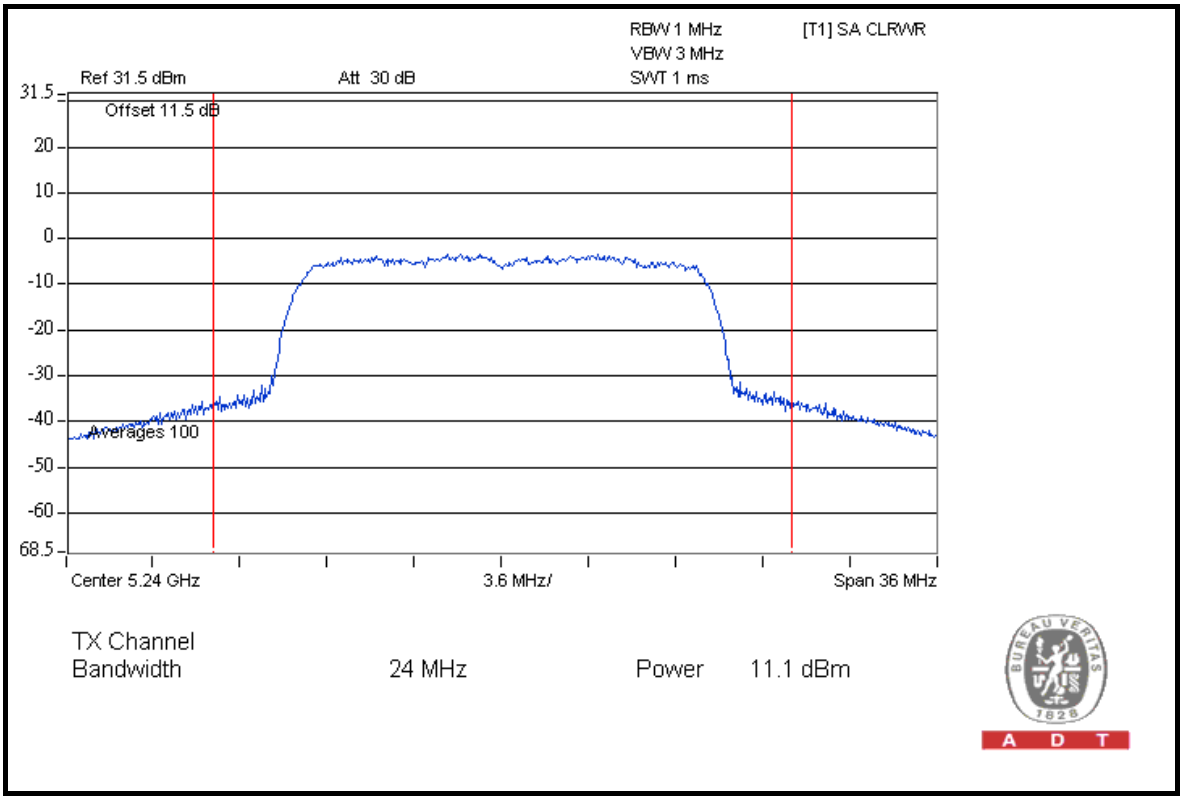
TX Channel Bandwidth 23 MHz Power 11.01 dBm

CH 40



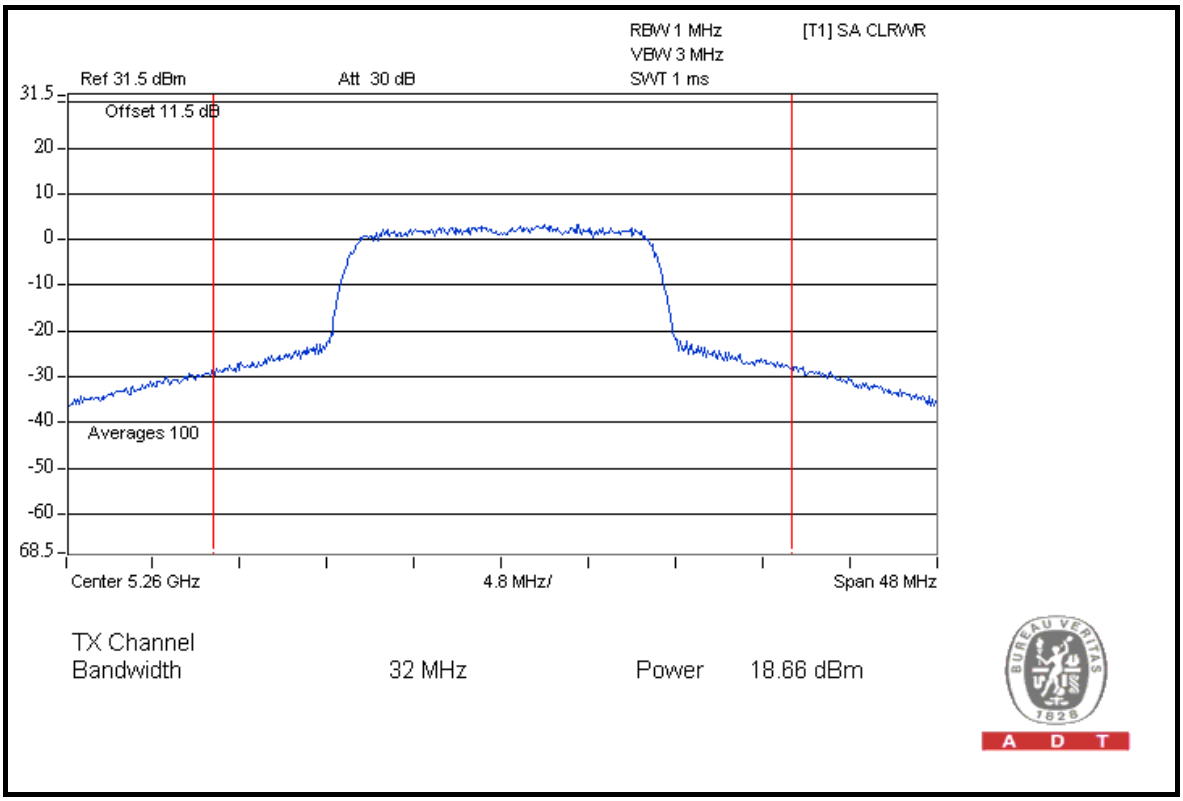
TX Channel Bandwidth 25 MHz Power 11.07 dBm

CH 48



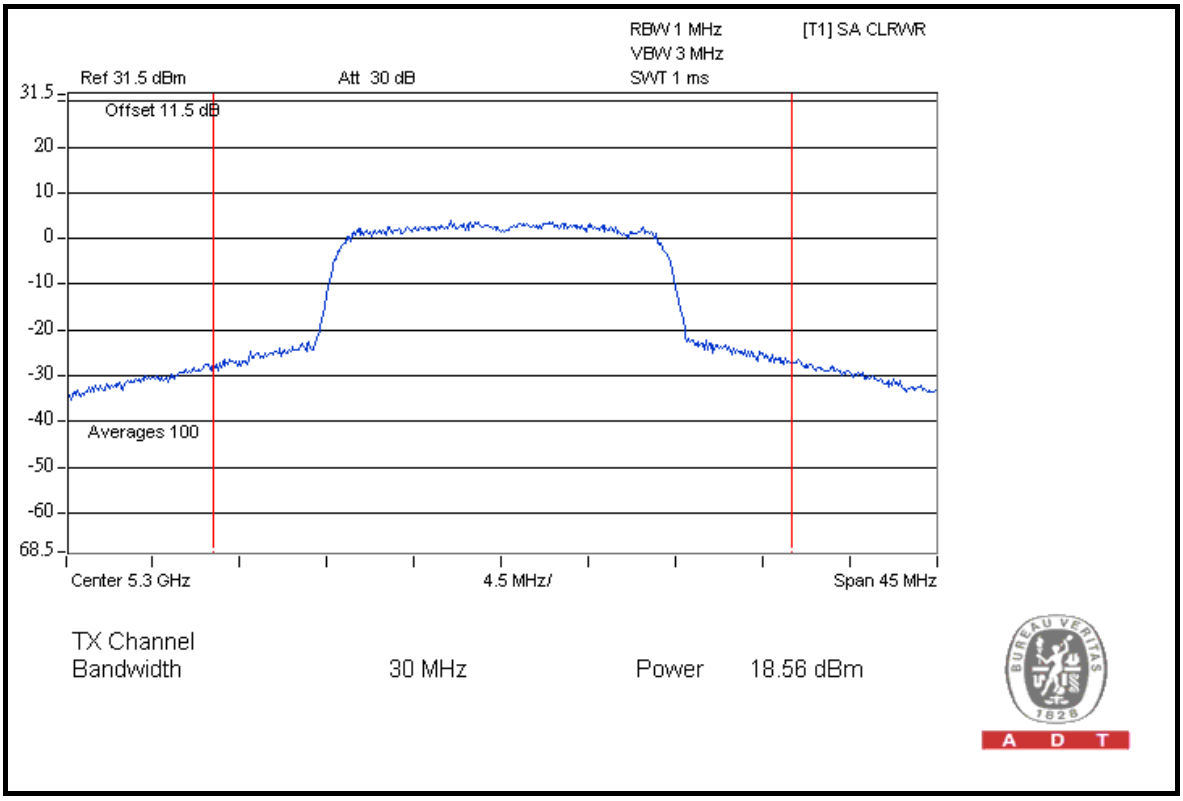
TX Channel Bandwidth 24 MHz Power 11.1 dBm

CH 52



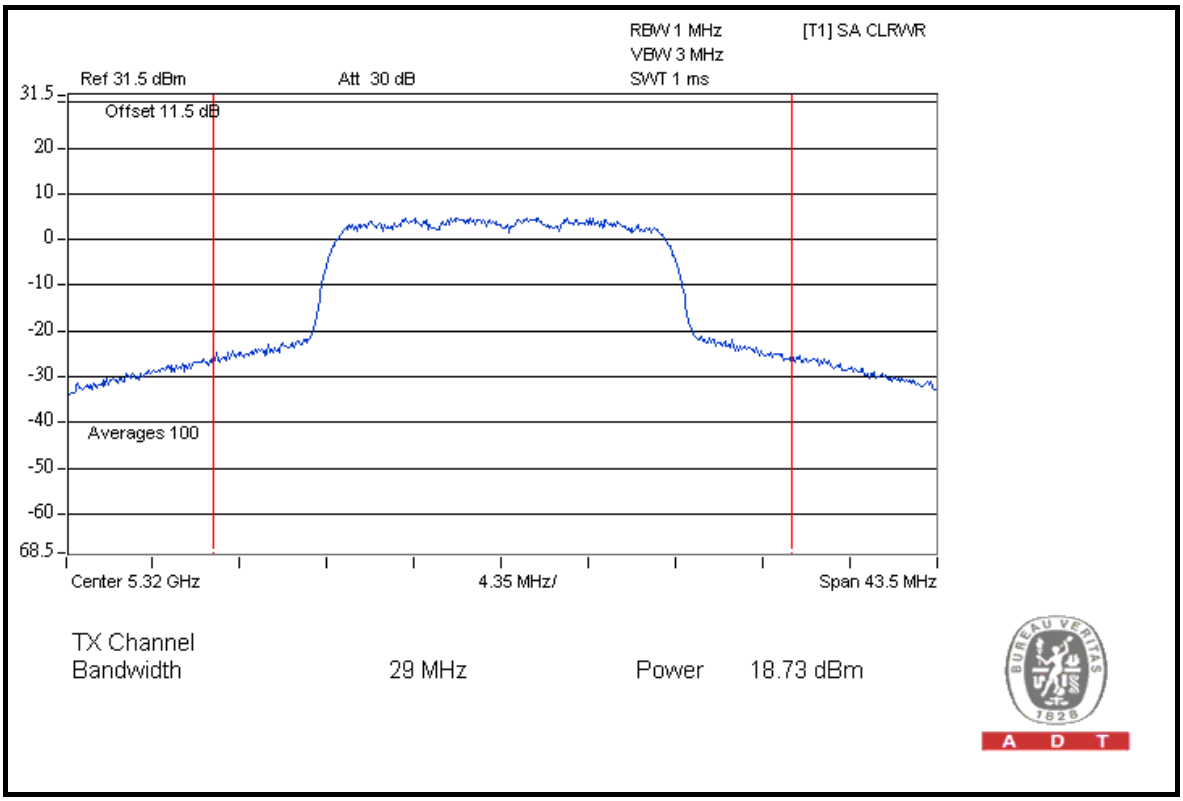
TX Channel Bandwidth 32 MHz Power 18.66 dBm

CH 60



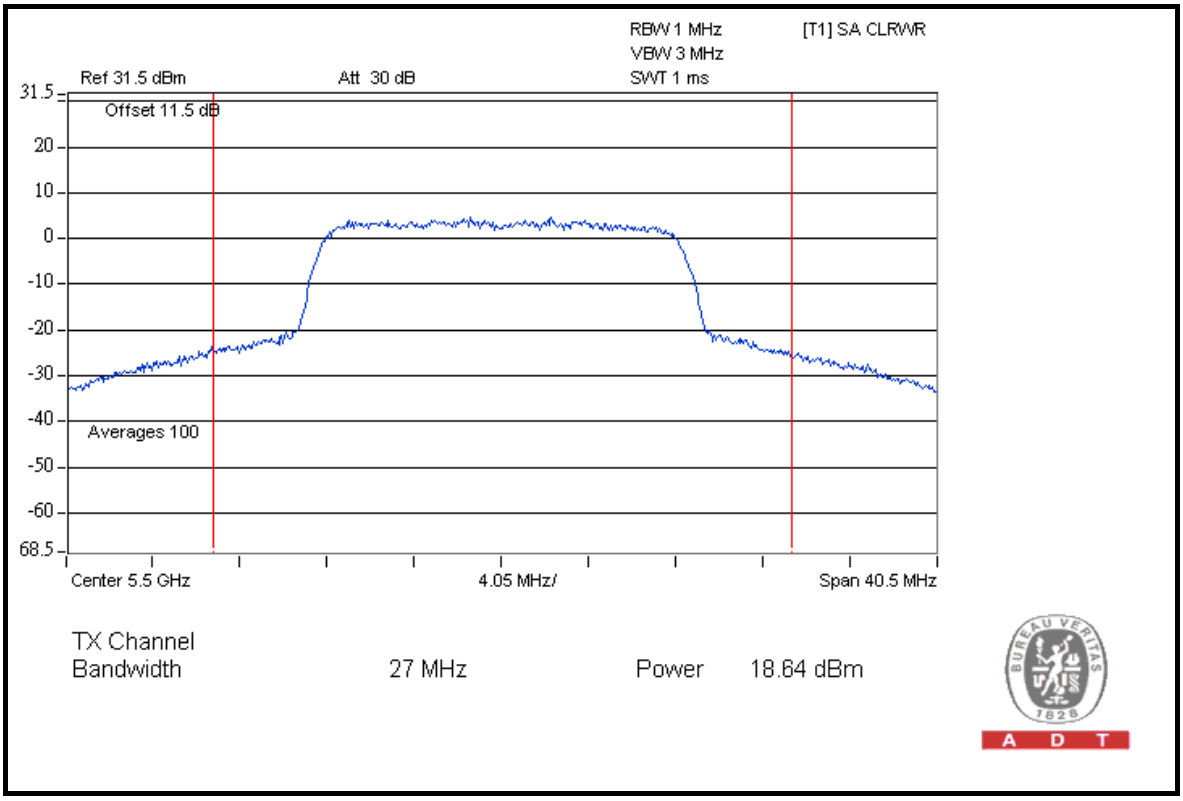
TX Channel Bandwidth 30 MHz Power 18.56 dBm

CH 64

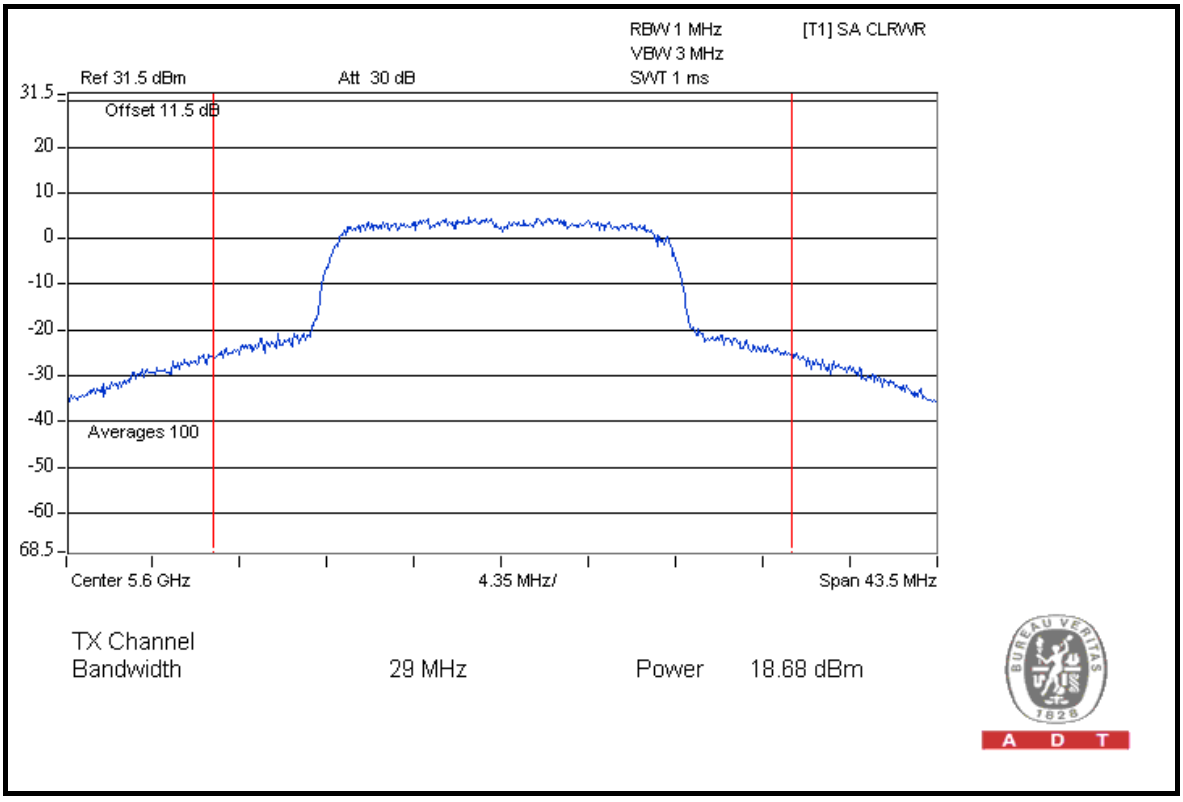


TX Channel Bandwidth 29 MHz Power 18.73 dBm

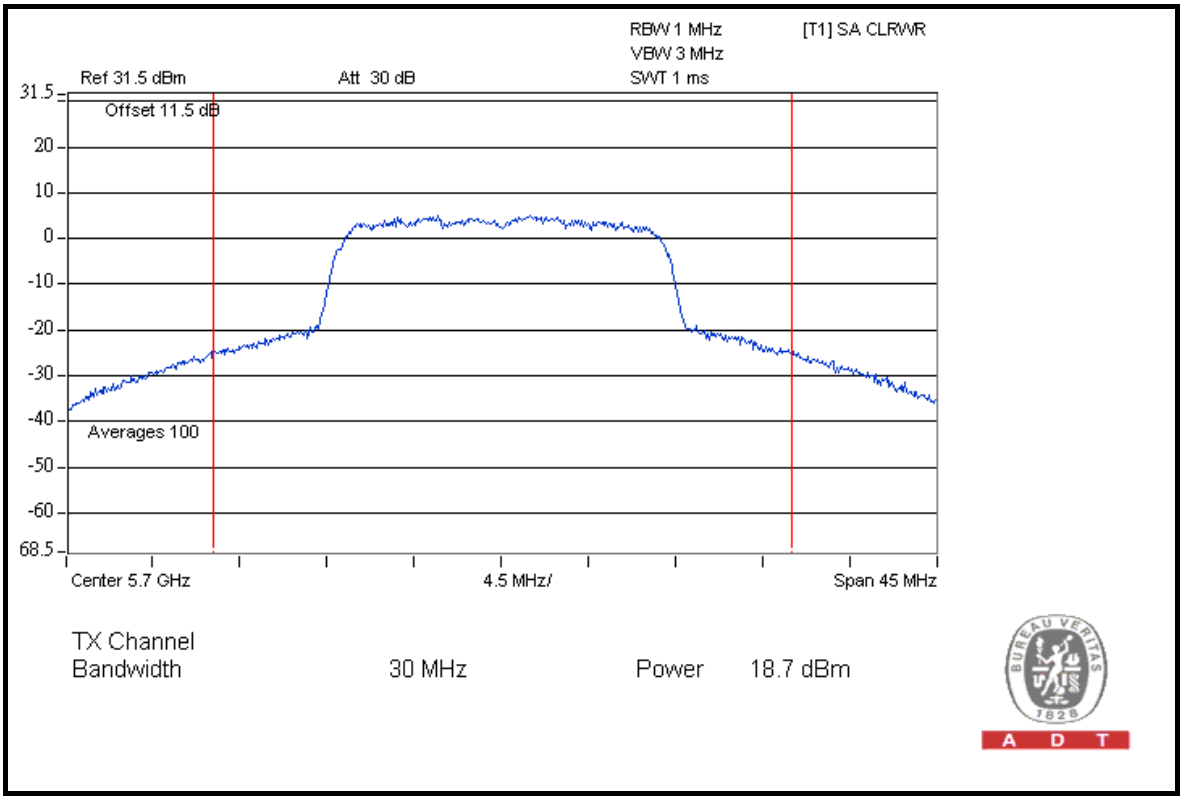
CH 100


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
4.05 MHz/
Span 40.5 MHz
TX Channel Bandwidth
27 MHz
Power
18.64 dBm

CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
4.35 MHz/
Span 43.5 MHz
TX Channel Bandwidth
29 MHz
Power
18.68 dBm

CH 140


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.7 GHz
4.5 MHz/
Span 45 MHz
TX Channel
Bandwidth
30 MHz
Power
18.7 dBm

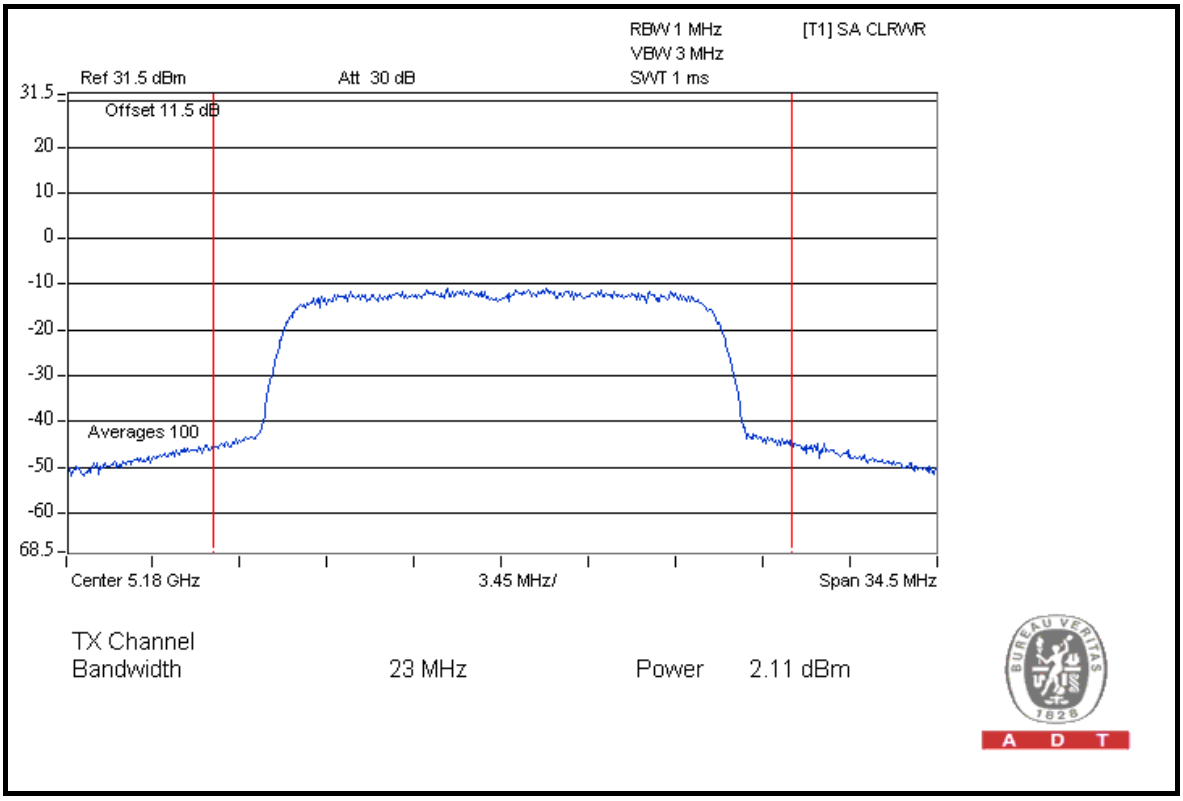
802.11a OFDM MODULATION

MODULATION TYPE	BPSK	**TRANSFER RATE**	6.0Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	**C**

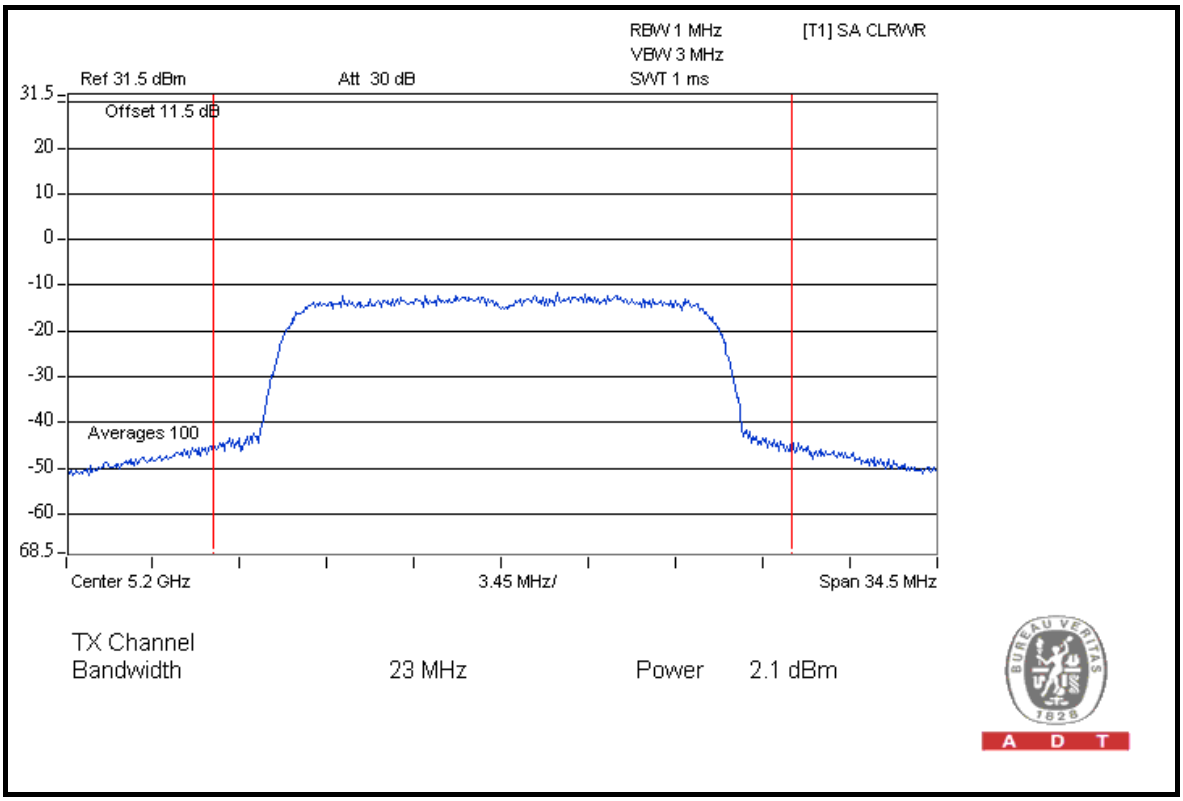
CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	2.11	2.03	3.221	5.08	9	PASS
40	5200	2.10	2.08	3.236	5.10	9	PASS
48	5240	2.14	2.04	3.236	5.10	9	PASS
52	5260	12.34	12.30	34.12	15.33	16	PASS
60	5300	12.42	12.45	35.04	15.45	16	PASS
64	5320	12.44	12.40	34.92	15.43	16	PASS
100	5500	12.32	12.36	34.28	15.35	16	PASS
120	5600	12.38	12.41	34.72	15.41	16	PASS
140	5700	12.48	12.43	35.20	15.47	16	PASS

NOTE: According to 15.407 (a) (1) (2), the maximum antenna gain 14dBi is higher than 6dBi, so the limit of output power shall be reduced by 8 dB.

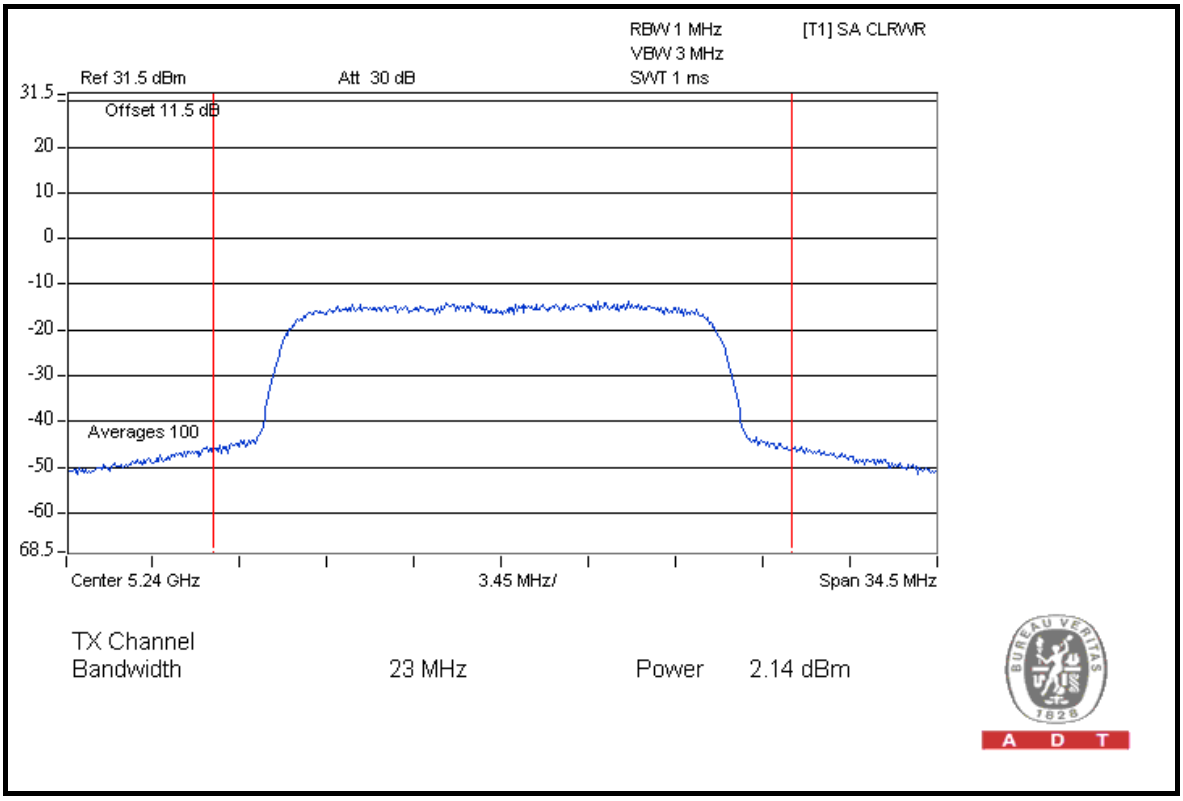
CHAIN 0 CH 36



CH 40

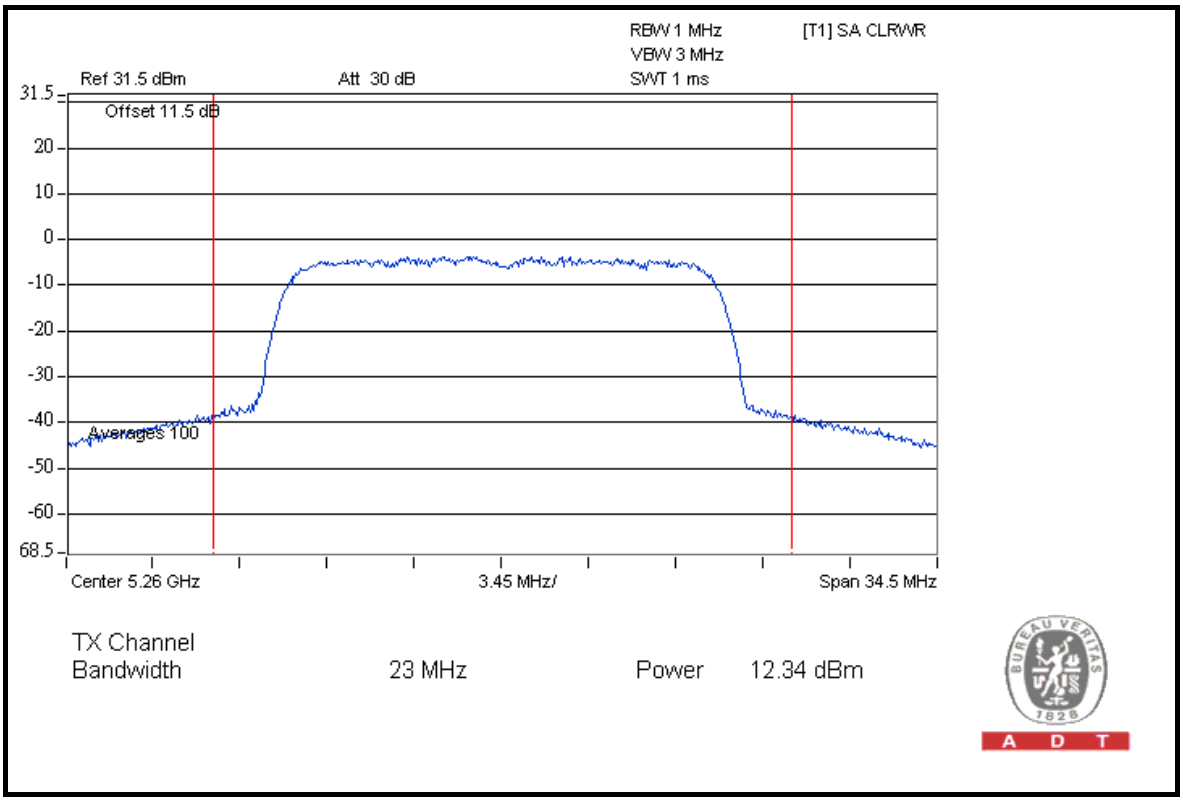


CH 48



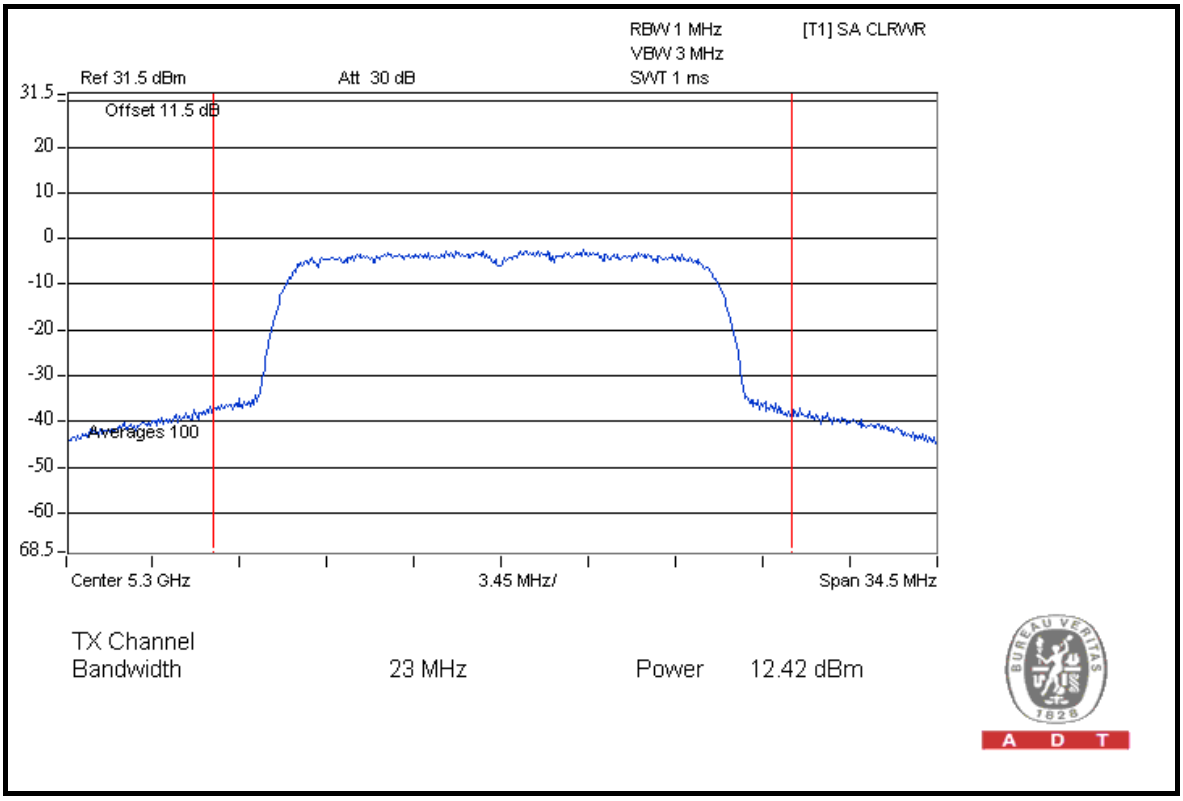
TX Channel Bandwidth 23 MHz Power 2.14 dBm

CH 52

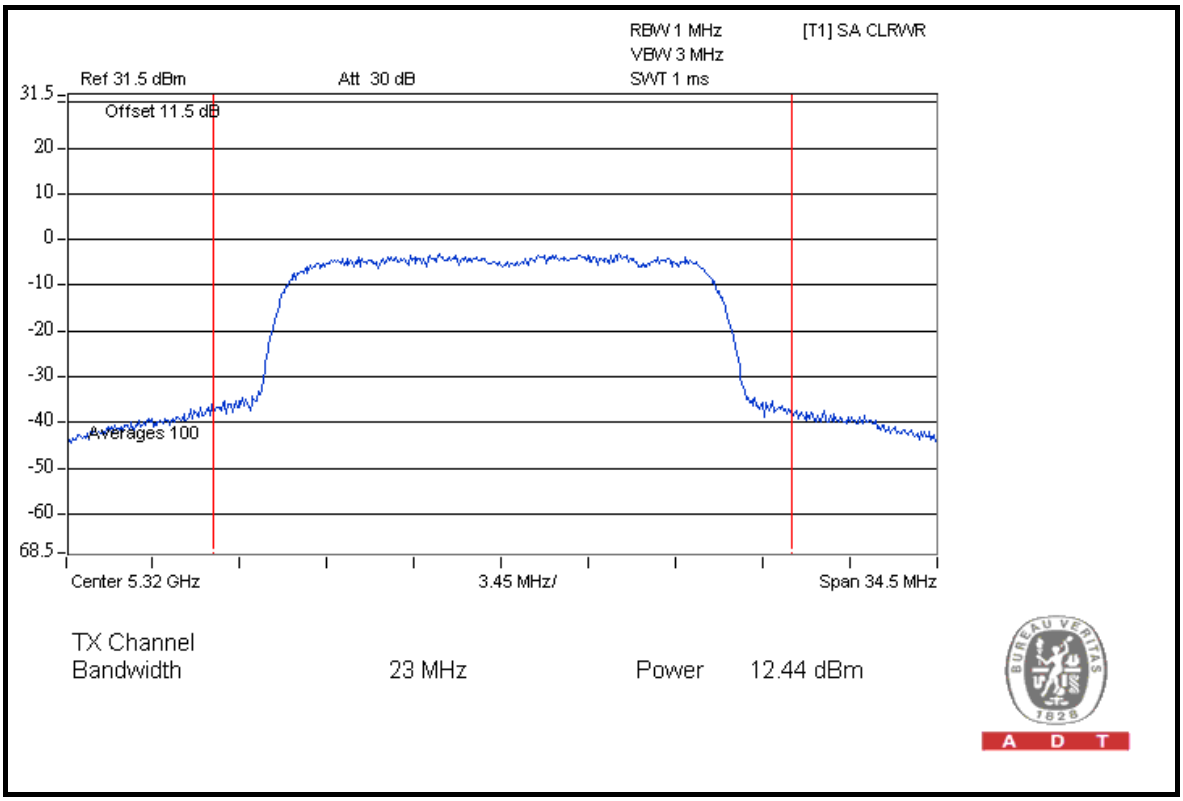


TX Channel Bandwidth 23 MHz Power 12.34 dBm

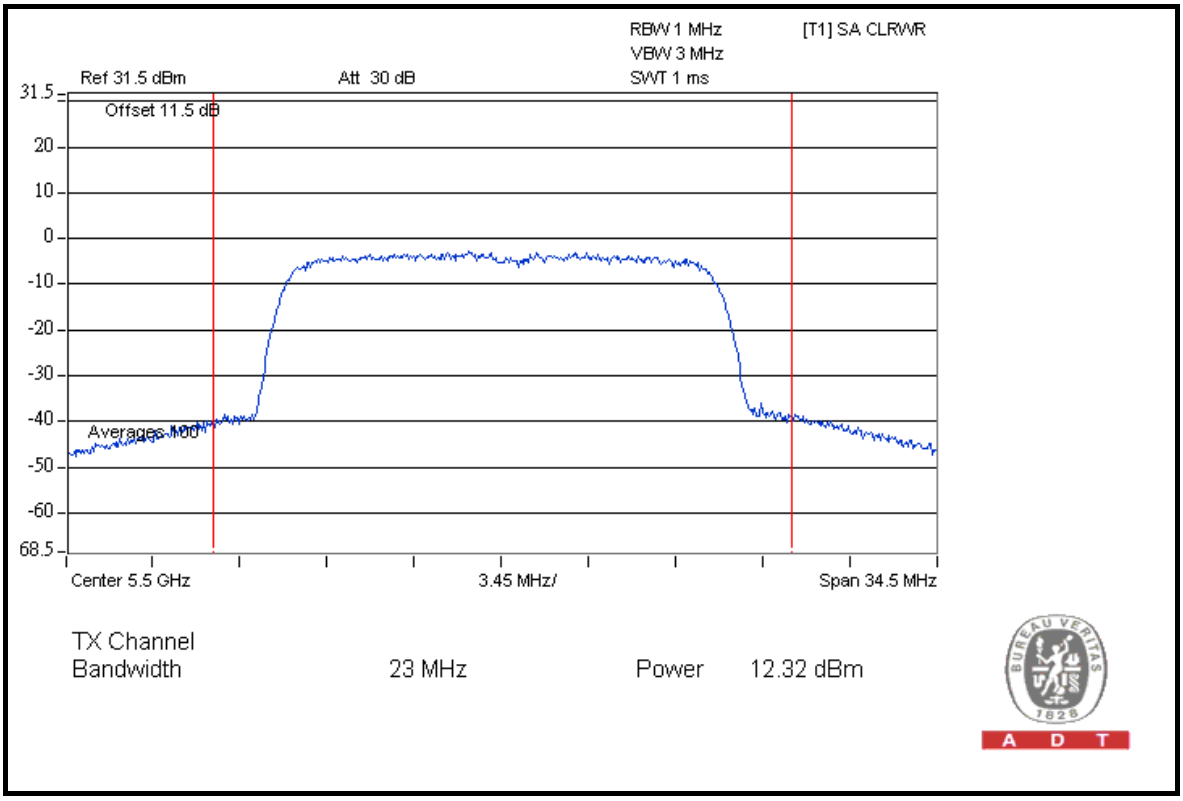
CH 60


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
3.45 MHz/
Span 34.5 MHz
TX Channel
Bandwidth
23 MHz
Power
12.42 dBm

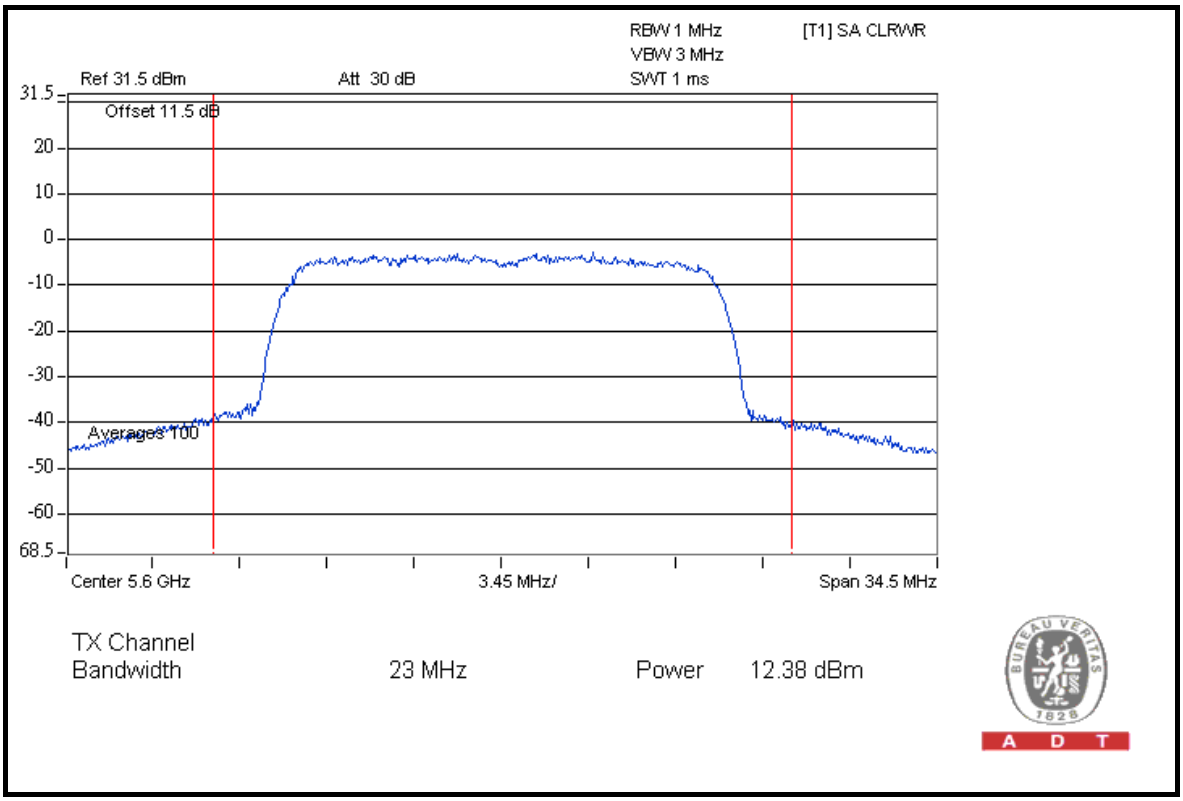
CH 64


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.32 GHz
3.45 MHz/
Span 34.5 MHz
TX Channel
Bandwidth
23 MHz
Power
12.44 dBm

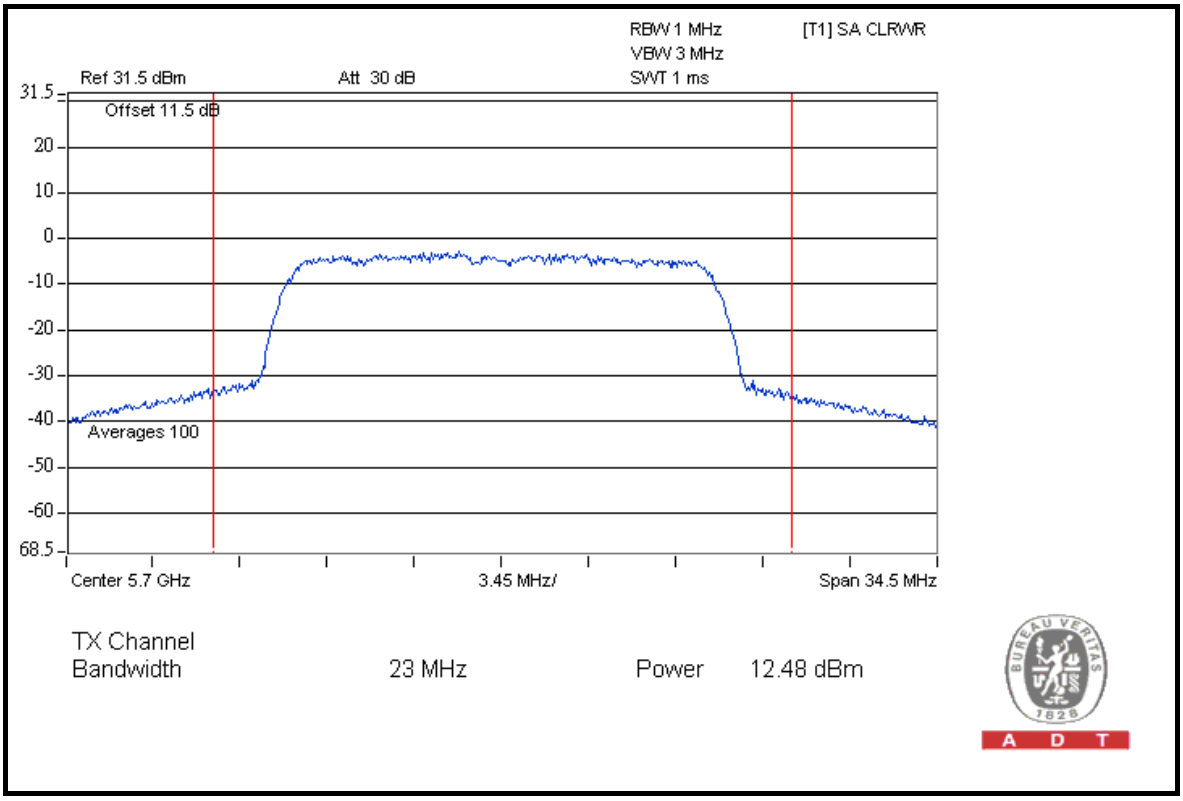
CH 100


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
3.45 MHz/
Span 34.5 MHz
TX Channel Bandwidth
23 MHz
Power
12.32 dBm

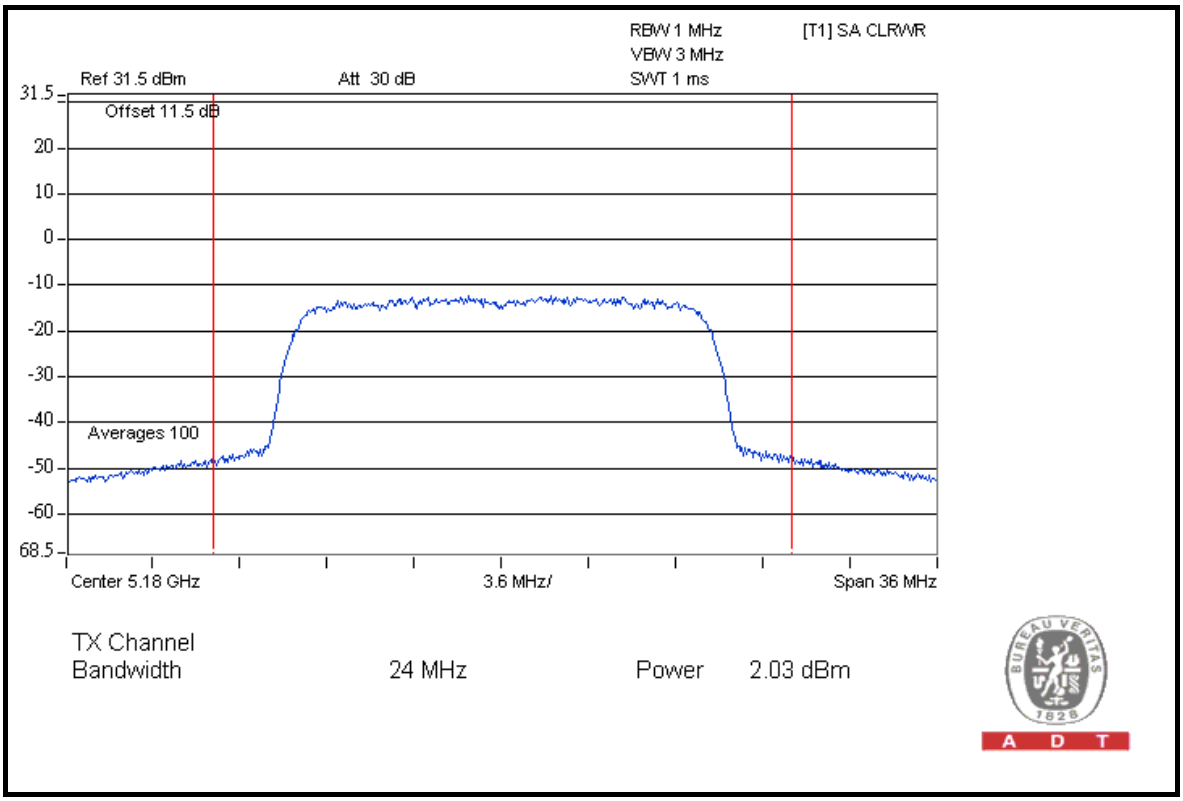
CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
3.45 MHz/
Span 34.5 MHz
TX Channel Bandwidth
23 MHz
Power
12.38 dBm

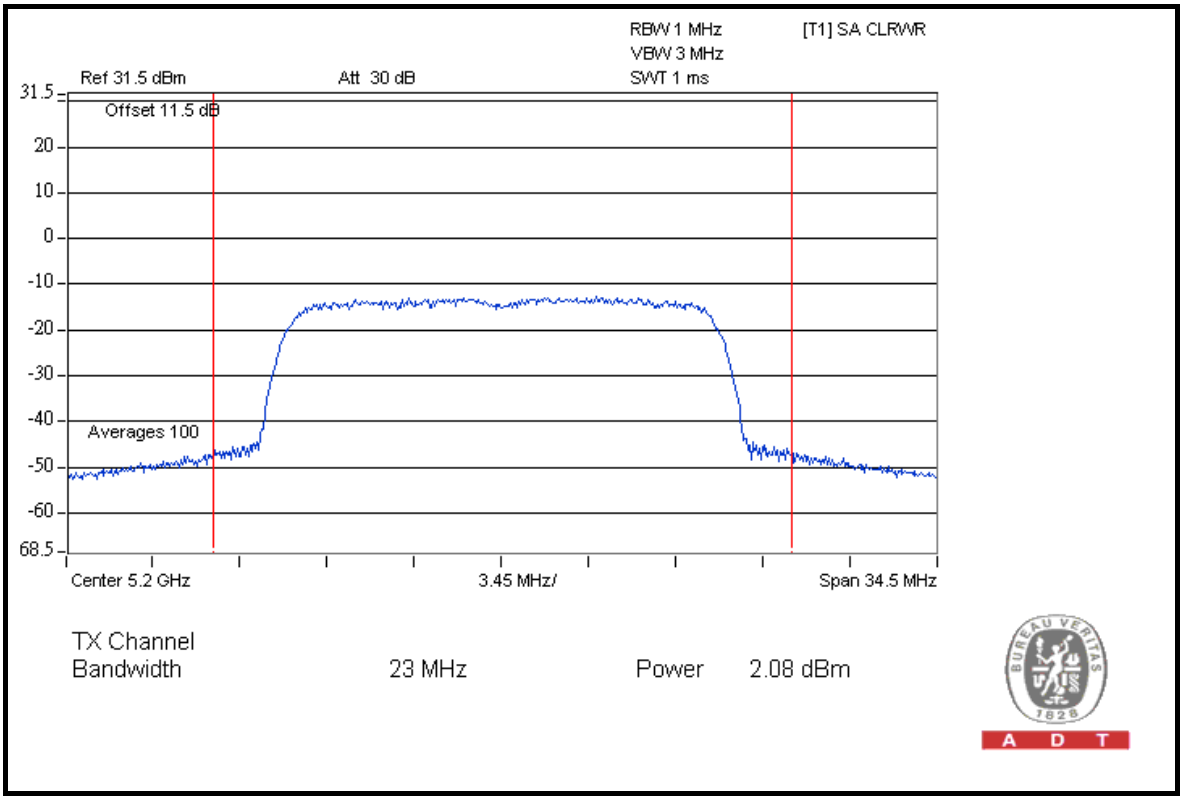
CH 140



CHAIN 1 CH 36

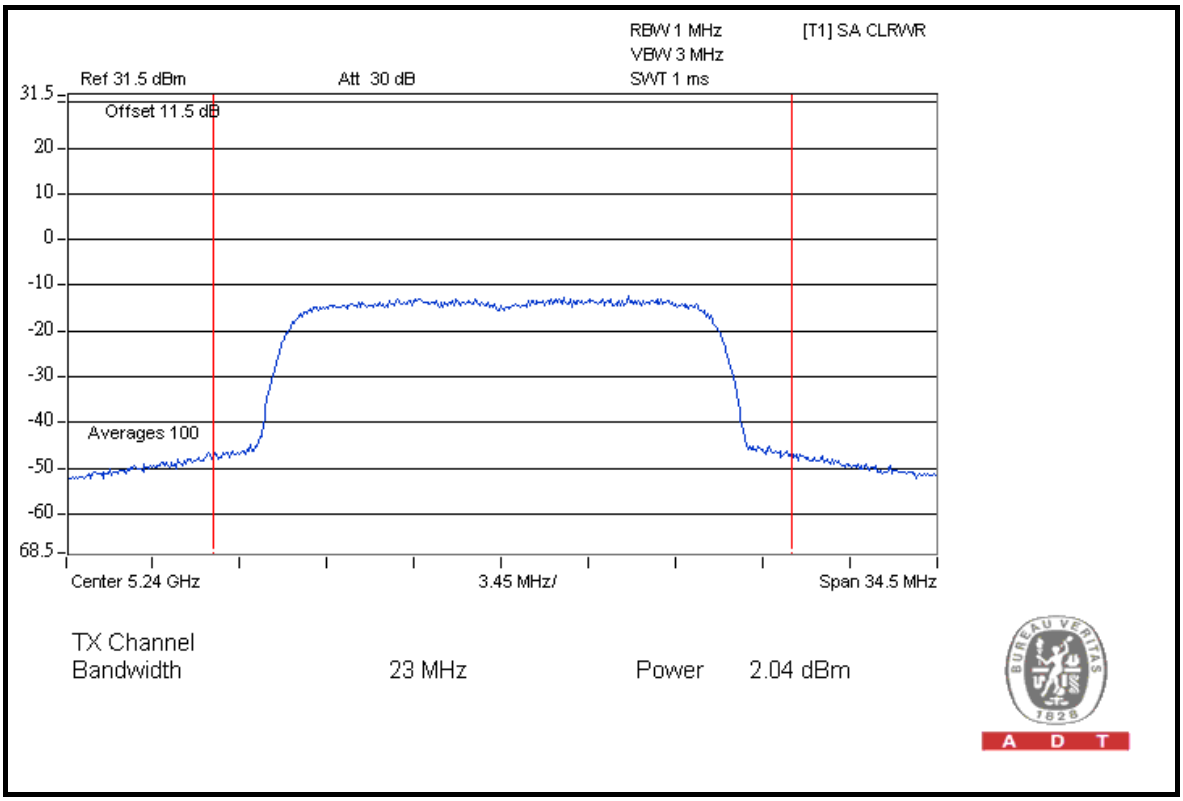


CH 40



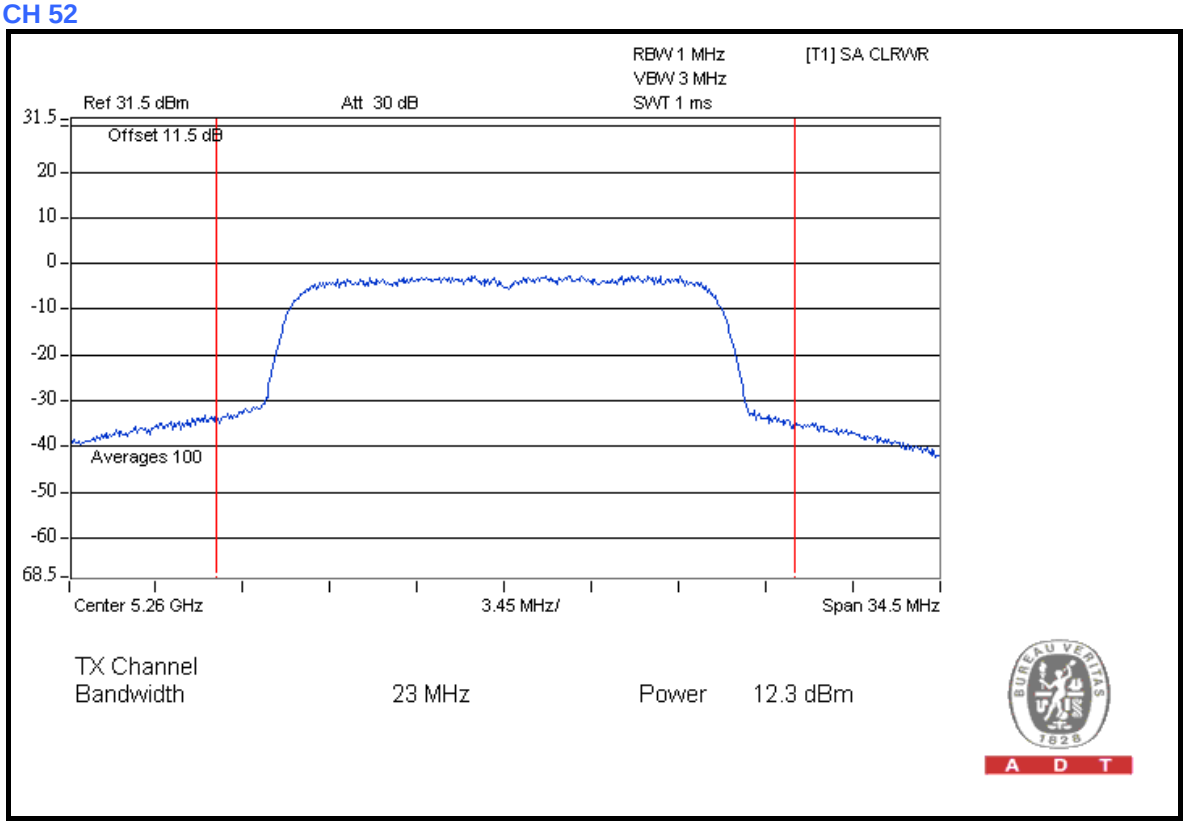
TX Channel Bandwidth 23 MHz Power 2.08 dBm

CH 48



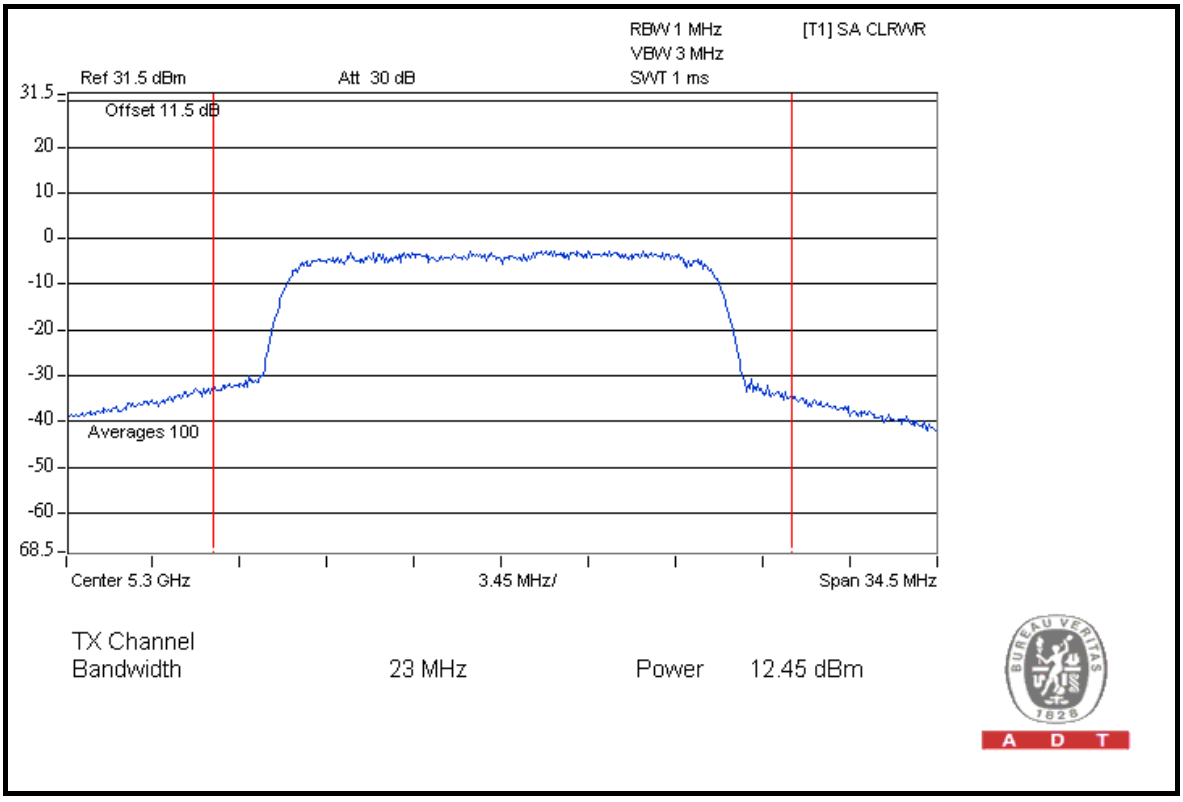
TX Channel Bandwidth 23 MHz Power 2.04 dBm

CH 52



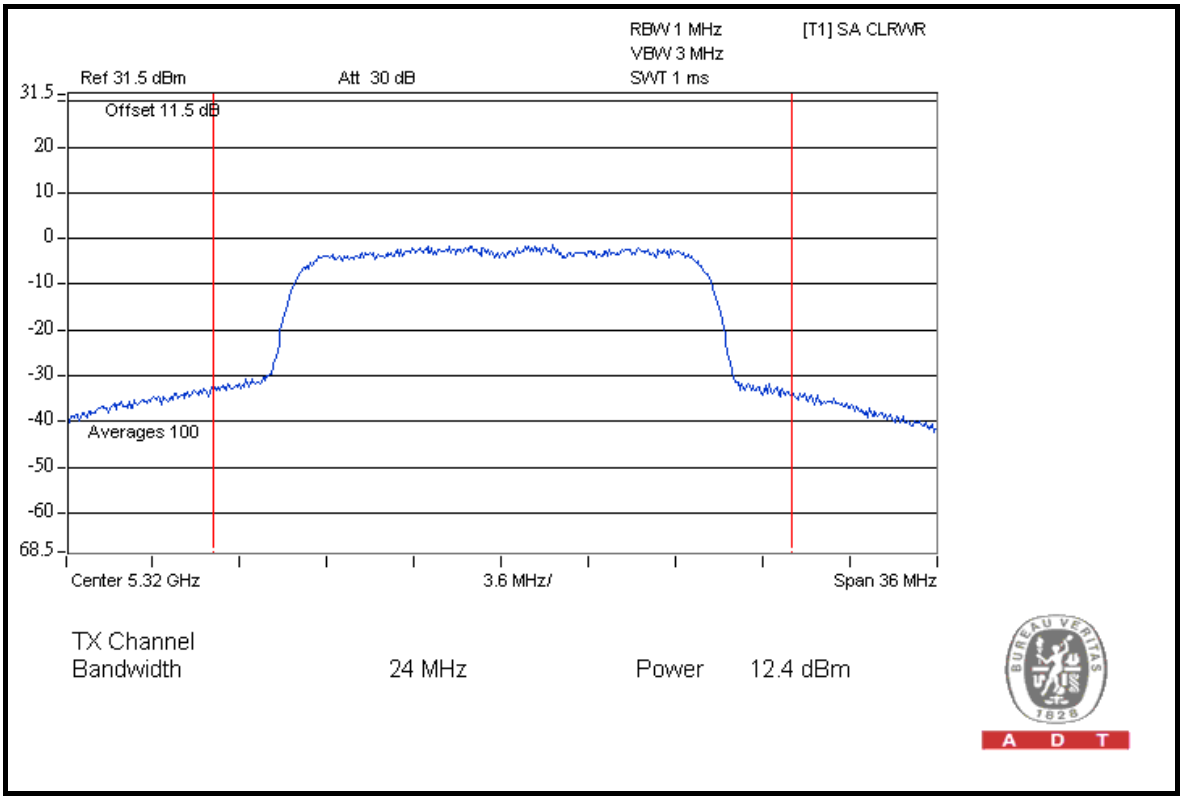
TX Channel Bandwidth 23 MHz Power 12.3 dBm

CH 60

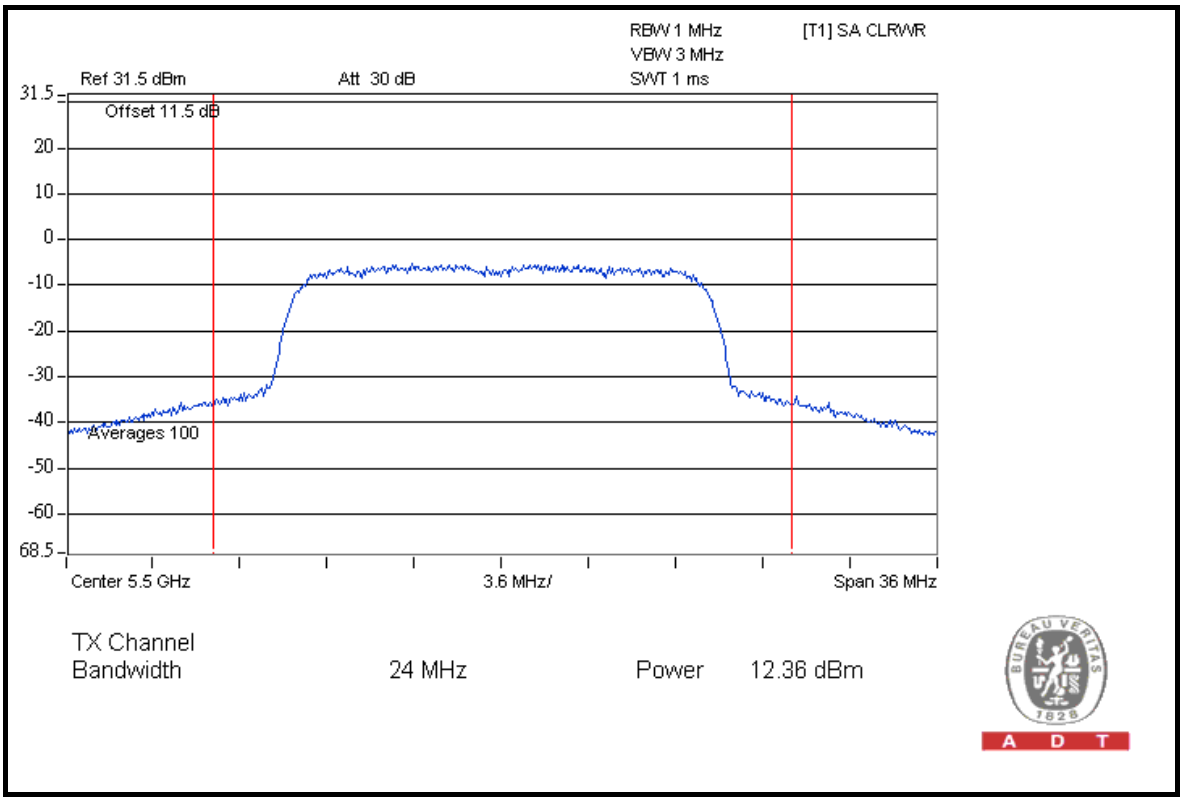


TX Channel Bandwidth 23 MHz Power 12.45 dBm

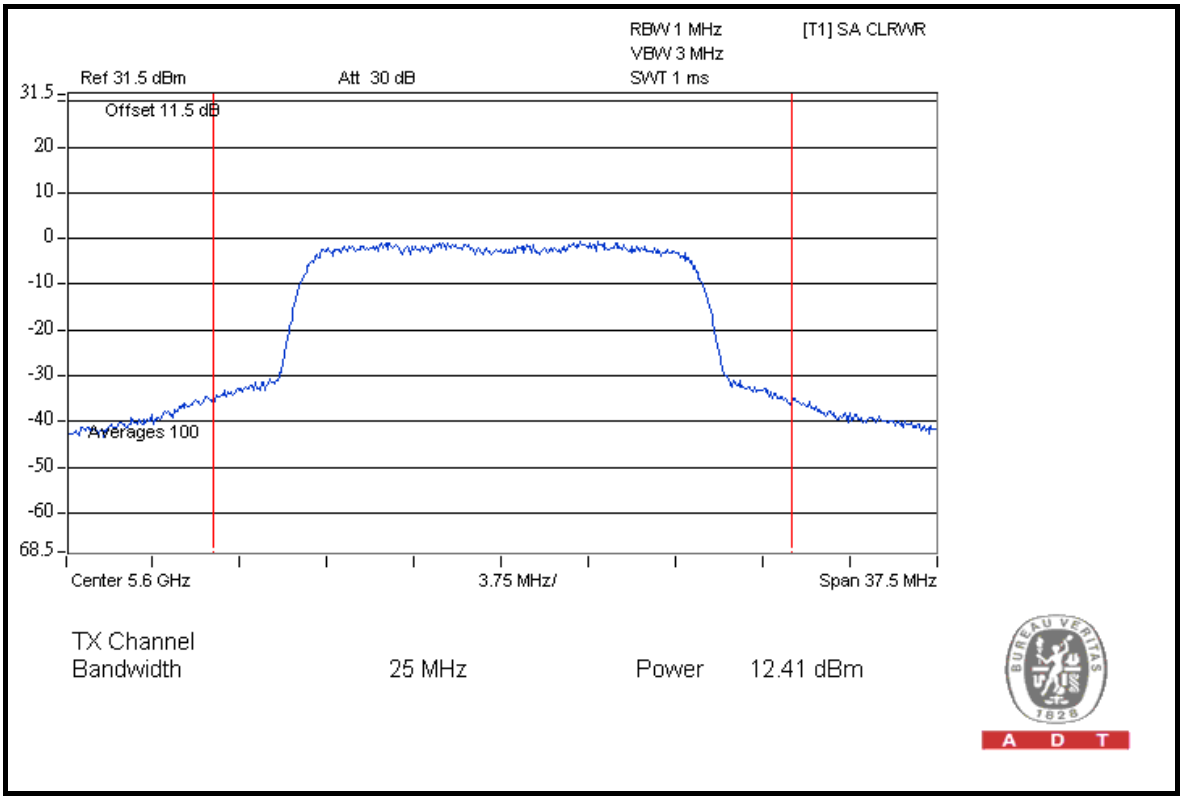
CH 64


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.32 GHz
3.6 MHz/
Span 36 MHz
TX Channel Bandwidth
24 MHz
Power
12.4 dBm

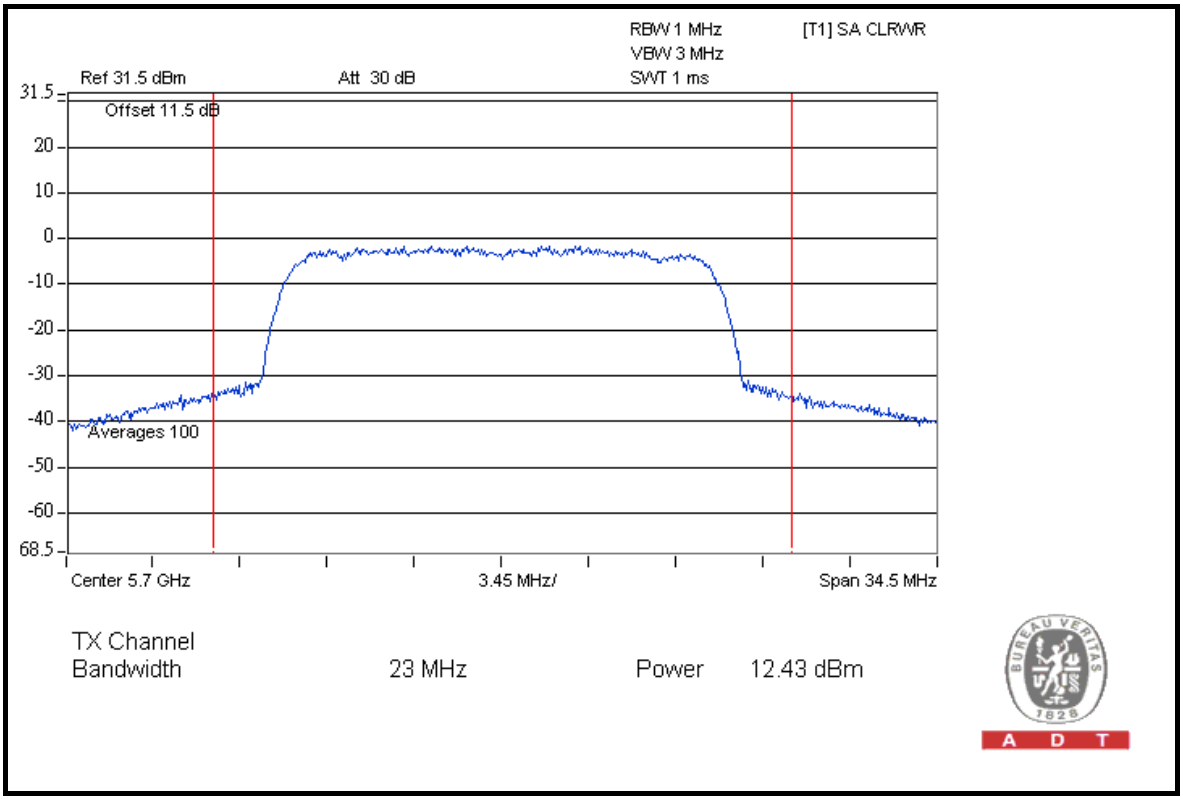
CH 100


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
3.6 MHz/
Span 36 MHz
TX Channel Bandwidth
24 MHz
Power
12.36 dBm

CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
3.75 MHz/
Span 37.5 MHz
TX Channel Bandwidth
25 MHz
Power
12.41 dBm

CH 140

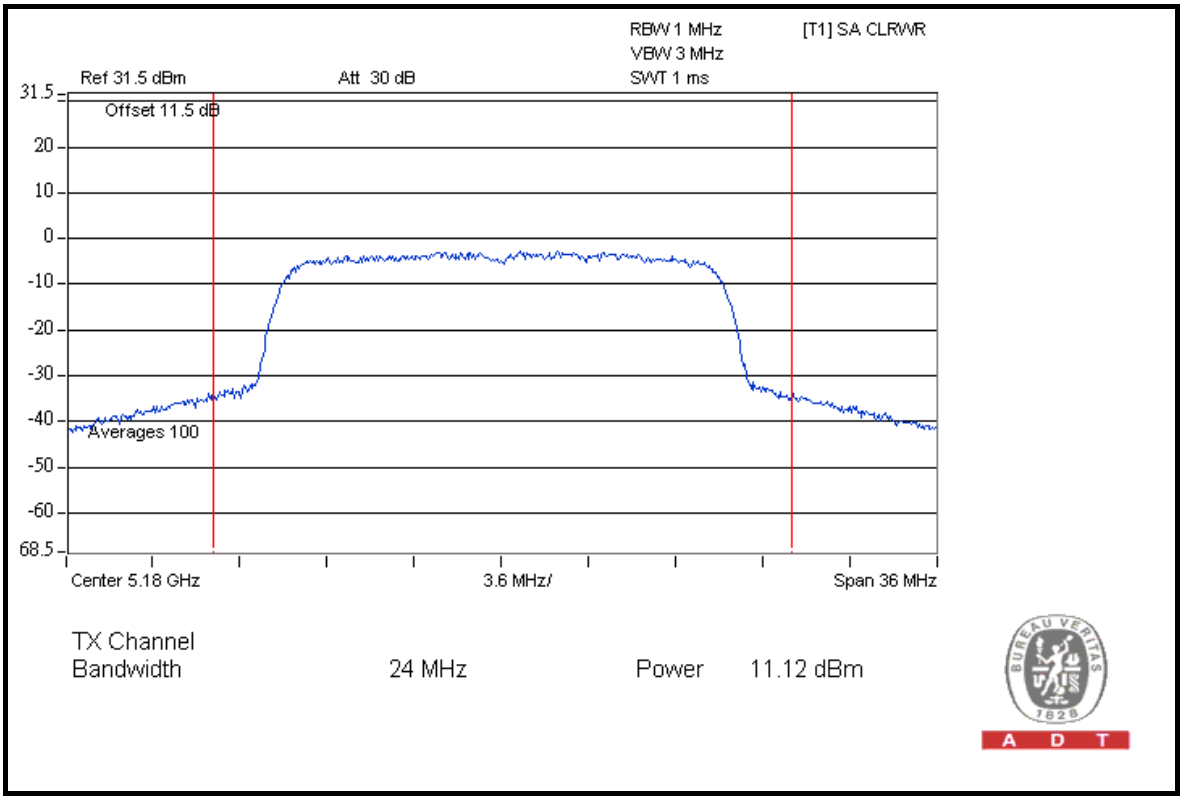

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.7 GHz
3.45 MHz/
Span 34.5 MHz
TX Channel Bandwidth
23 MHz
Power
12.43 dBm

DRAFT 802.11n (20MHz) OFDM MODULATION

MODULATION TYPE	BPSK	**TRANSFER RATE**	6.5Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

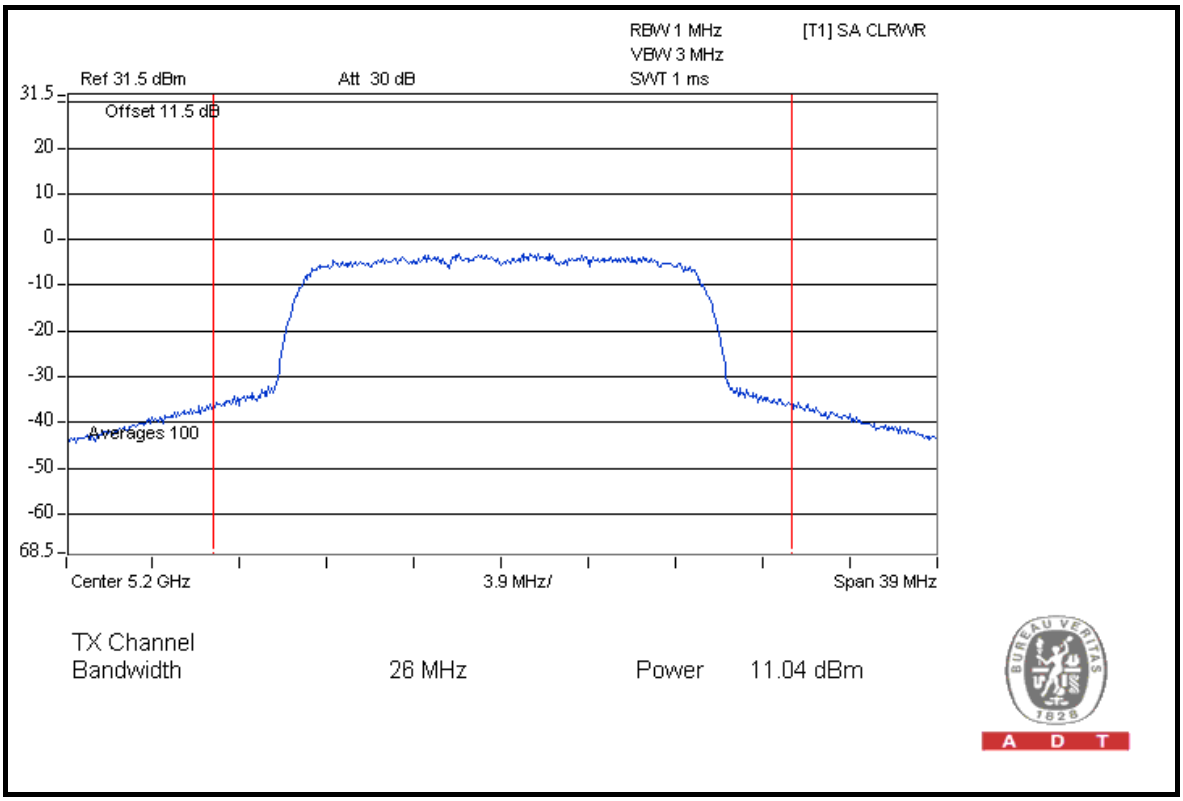
CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
36	5180	11.12	11.14	11.05	38.679	15.87	17	PASS
40	5200	11.04	11.07	11.04	38.205	15.82	17	PASS
48	5240	11.02	11.02	11.06	38.059	15.80	17	PASS
52	5260	18.69	18.59	18.64	219.35	23.41	24	PASS
60	5300	18.66	18.61	18.68	219.85	23.42	24	PASS
64	5320	18.65	18.65	18.63	219.51	23.41	24	PASS
100	5500	18.61	18.66	18.61	218.67	23.40	24	PASS
120	5600	18.56	18.70	18.64	219.02	23.40	24	PASS
140	5700	18.67	18.62	18.70	220.53	23.43	24	PASS

CHAIN 0 CH 36



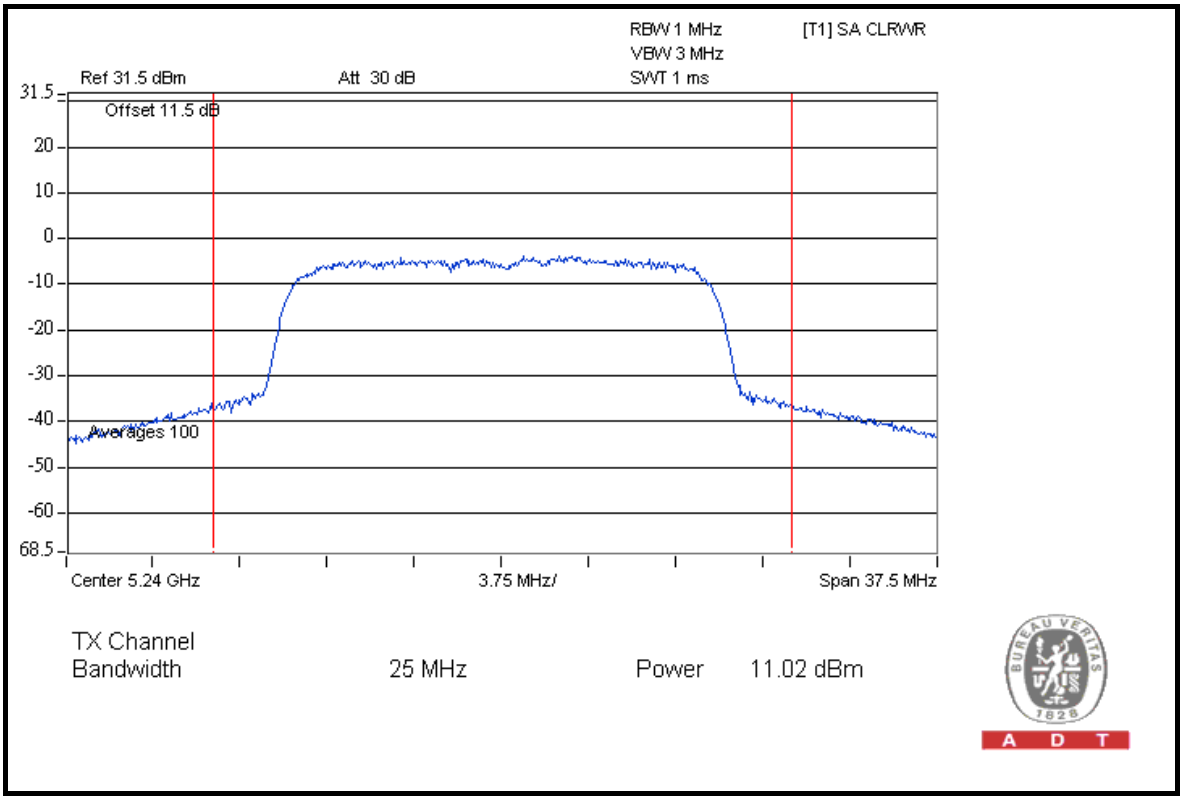
TX Channel Bandwidth 24 MHz Power 11.12 dBm

CH 40



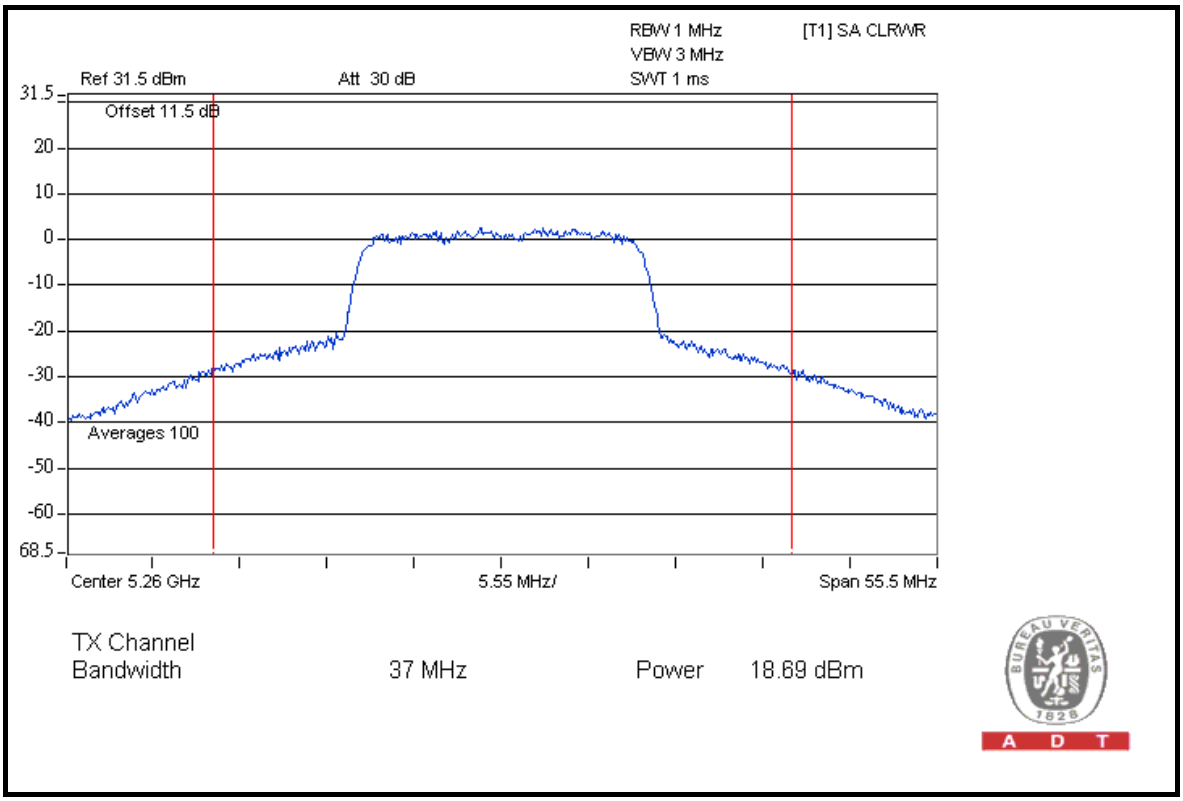
TX Channel Bandwidth 26 MHz Power 11.04 dBm

CH 48



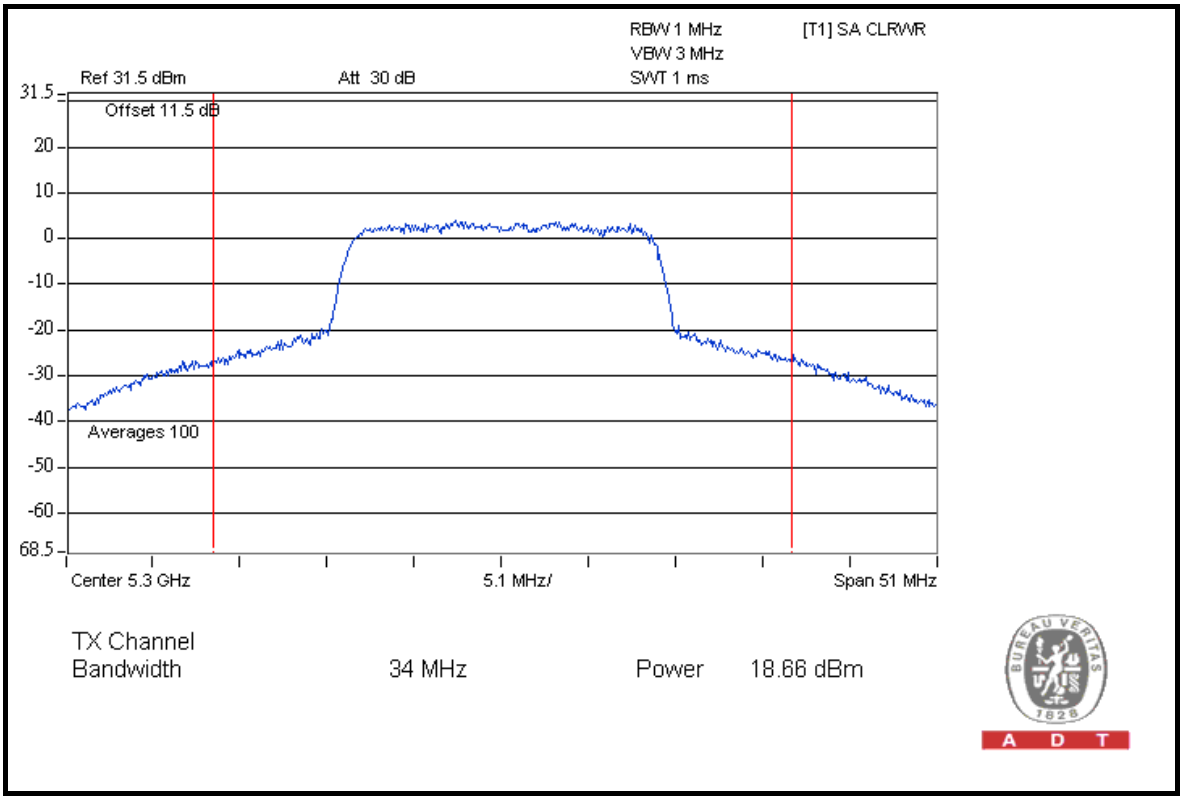
TX Channel Bandwidth 25 MHz Power 11.02 dBm

CH 52

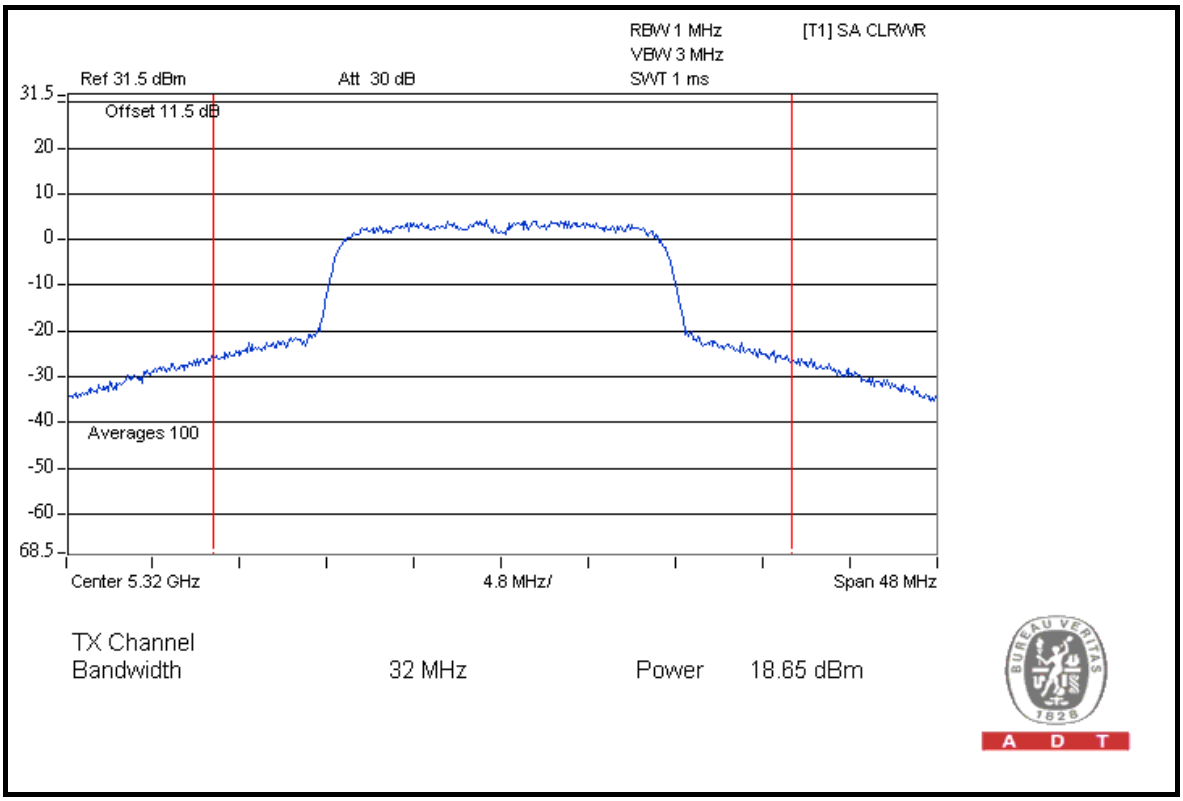


TX Channel Bandwidth 37 MHz Power 18.69 dBm

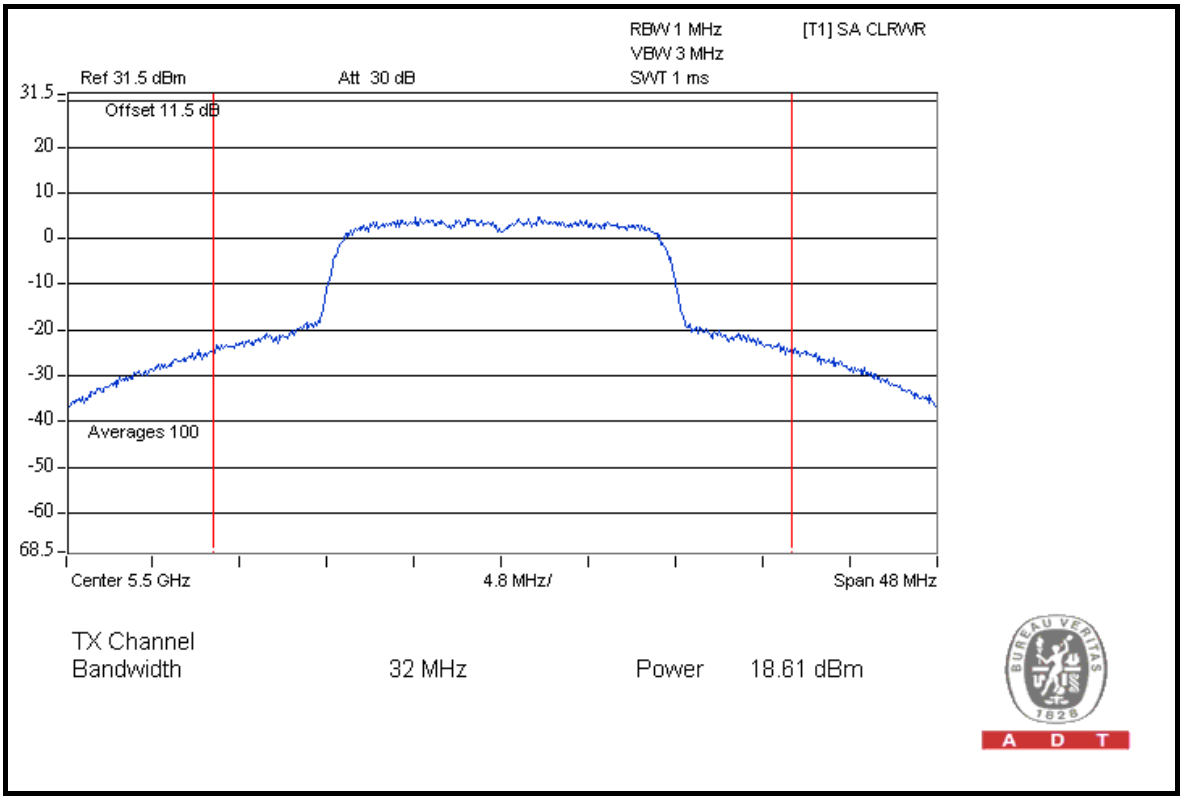
CH 60


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
5.1 MHz/
Span 51 MHz
TX Channel Bandwidth
34 MHz
Power
18.66 dBm

CH 64

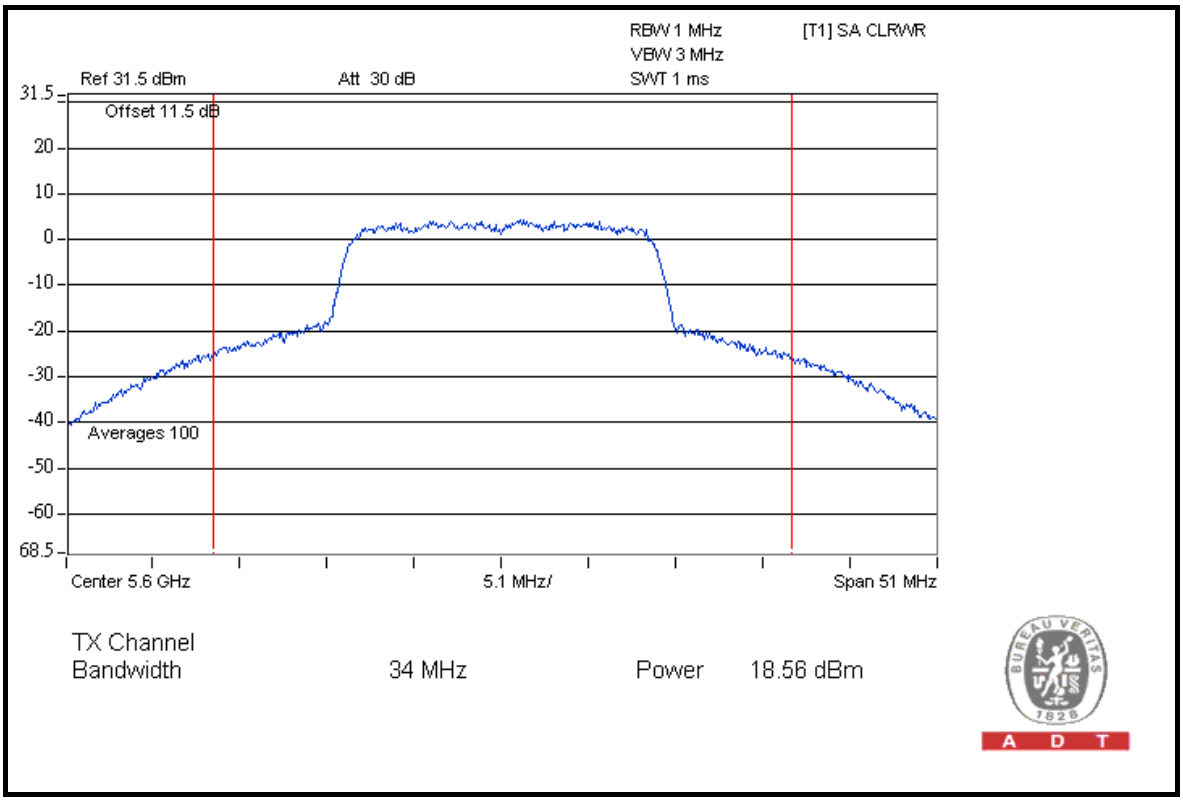

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.32 GHz
4.8 MHz/
Span 48 MHz
TX Channel Bandwidth
32 MHz
Power
18.65 dBm

CH 100



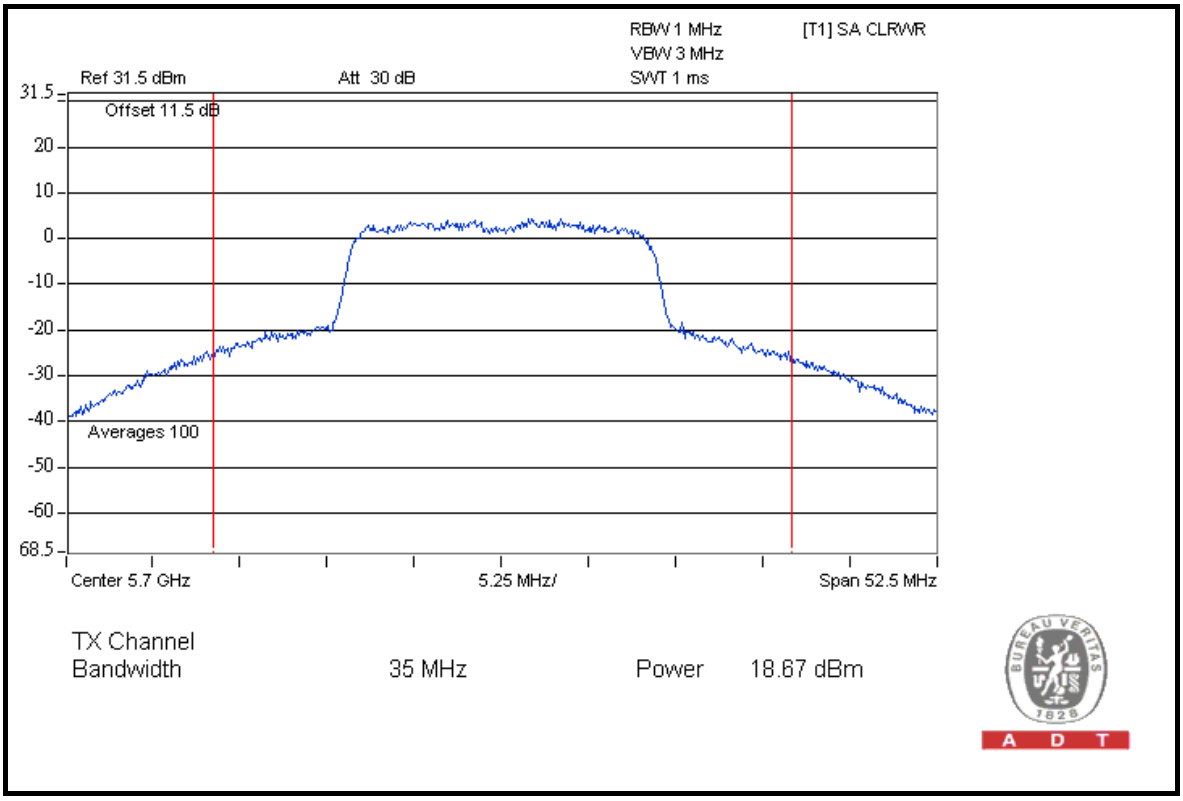
TX Channel Bandwidth 32 MHz Power 18.61 dBm

CH 120

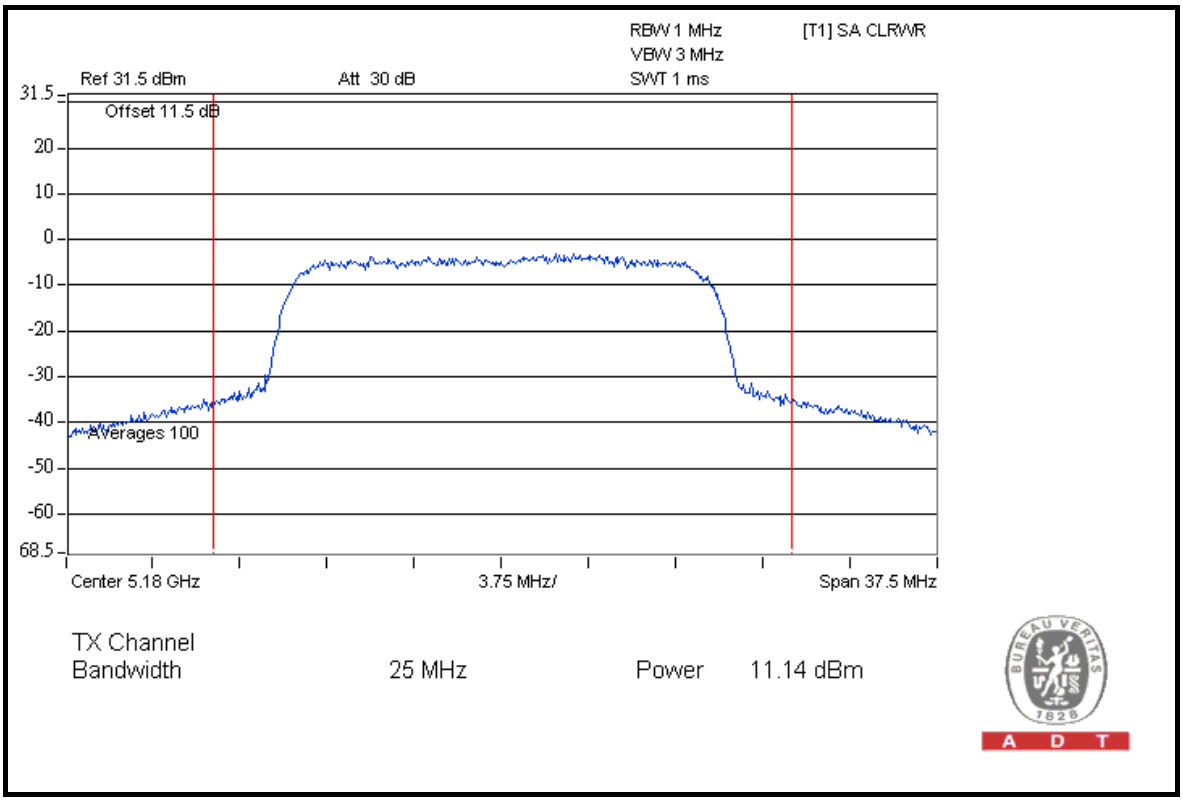


TX Channel Bandwidth 34 MHz Power 18.56 dBm

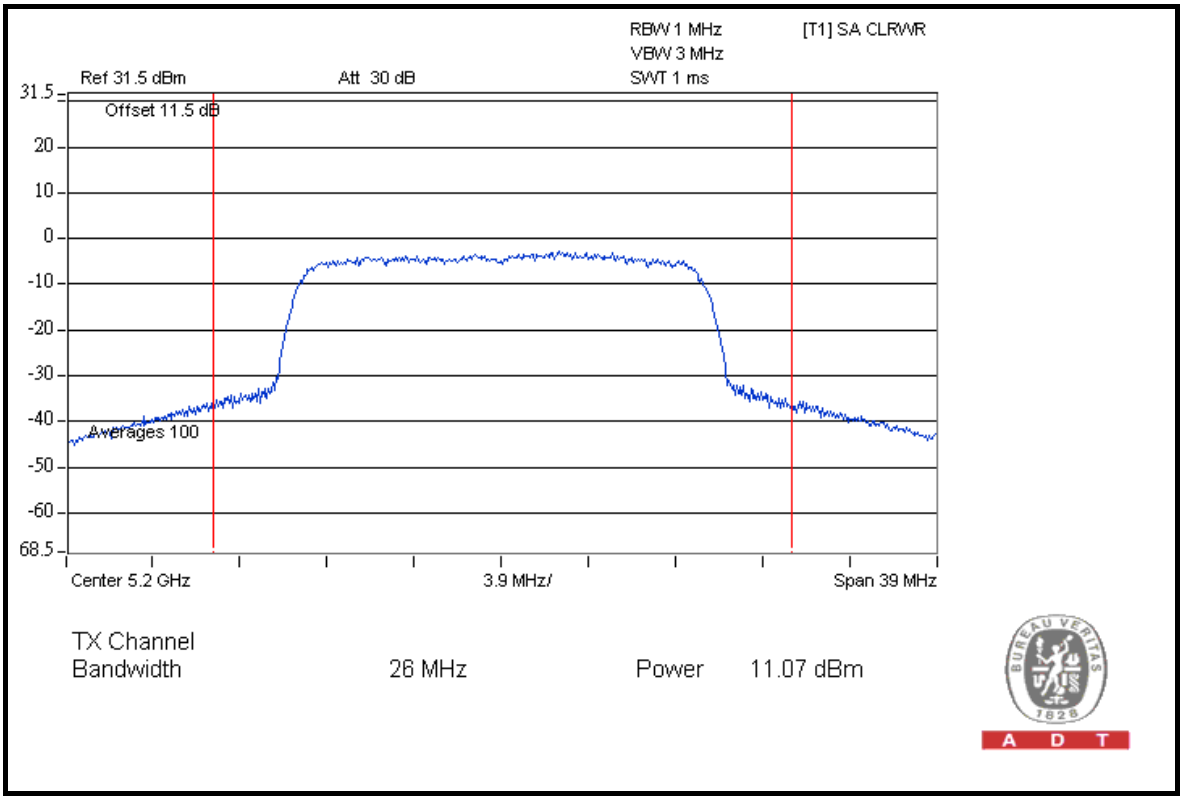
CH 140



CHAIN 1 CH 36

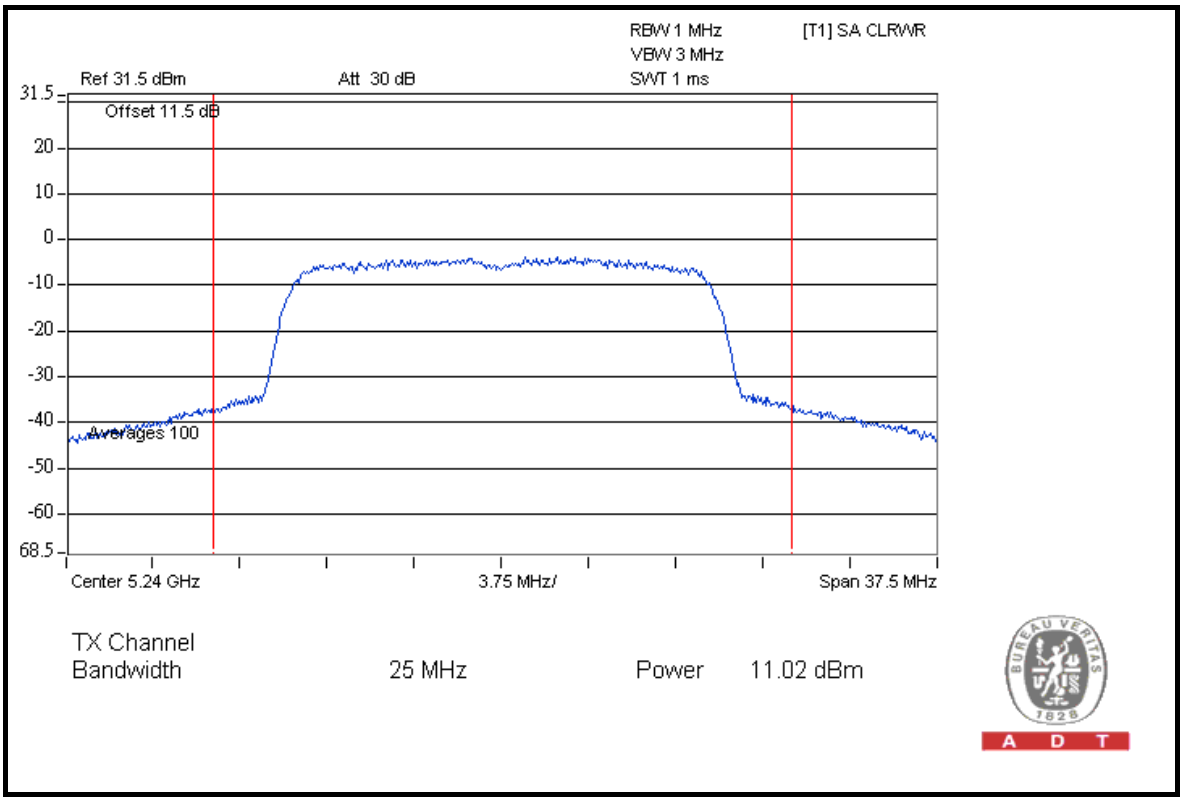


CH 40



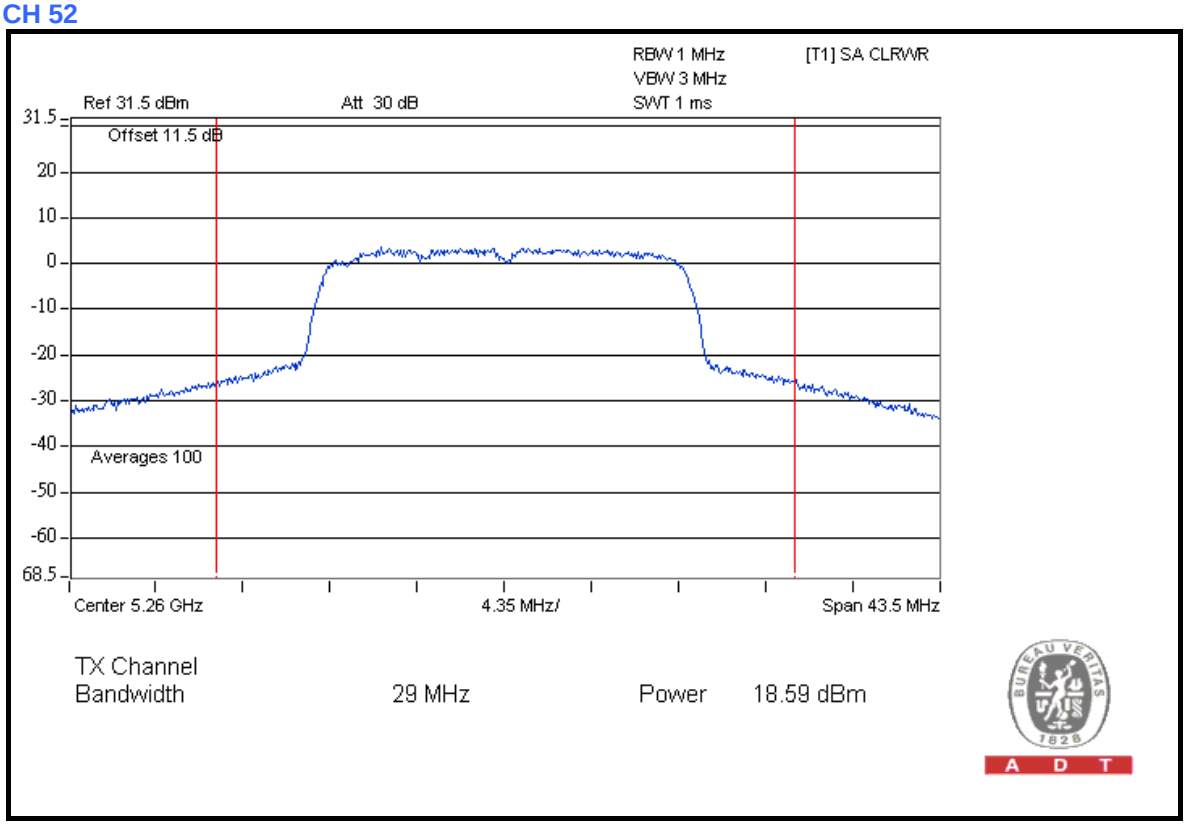
TX Channel Bandwidth 26 MHz Power 11.07 dBm

CH 48

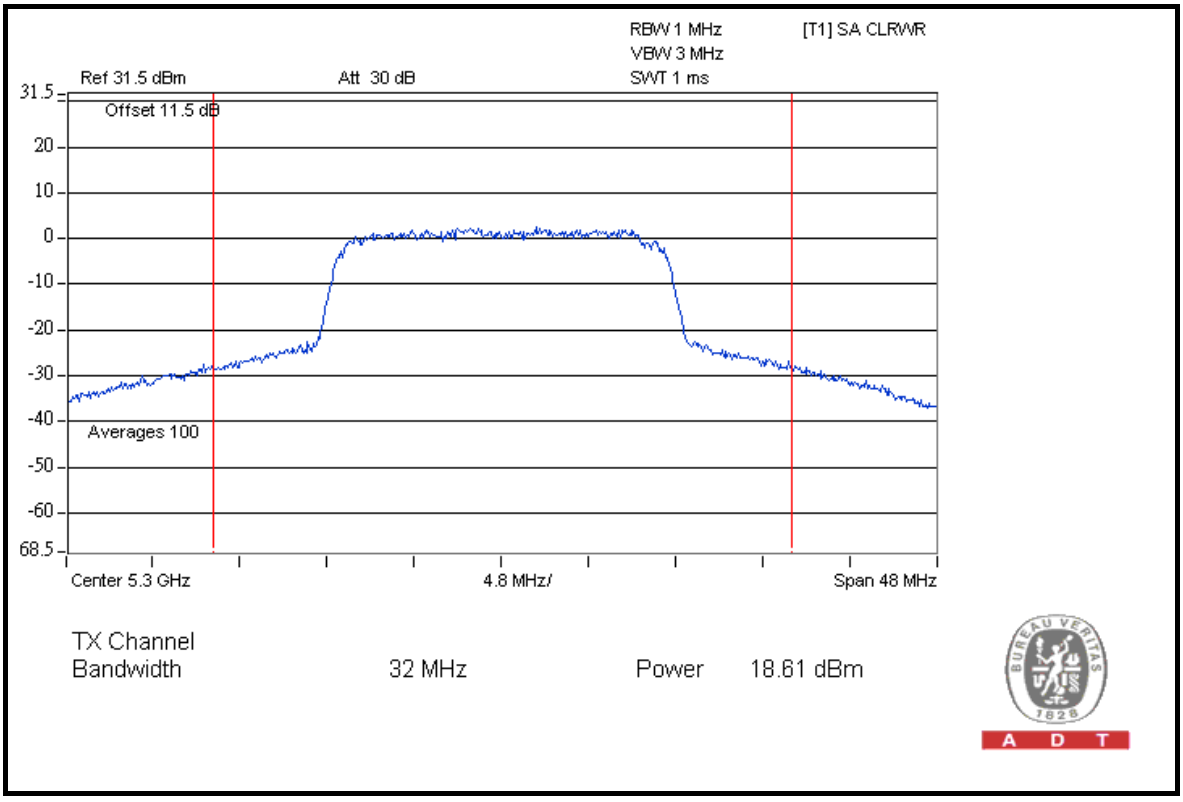


TX Channel Bandwidth 25 MHz Power 11.02 dBm

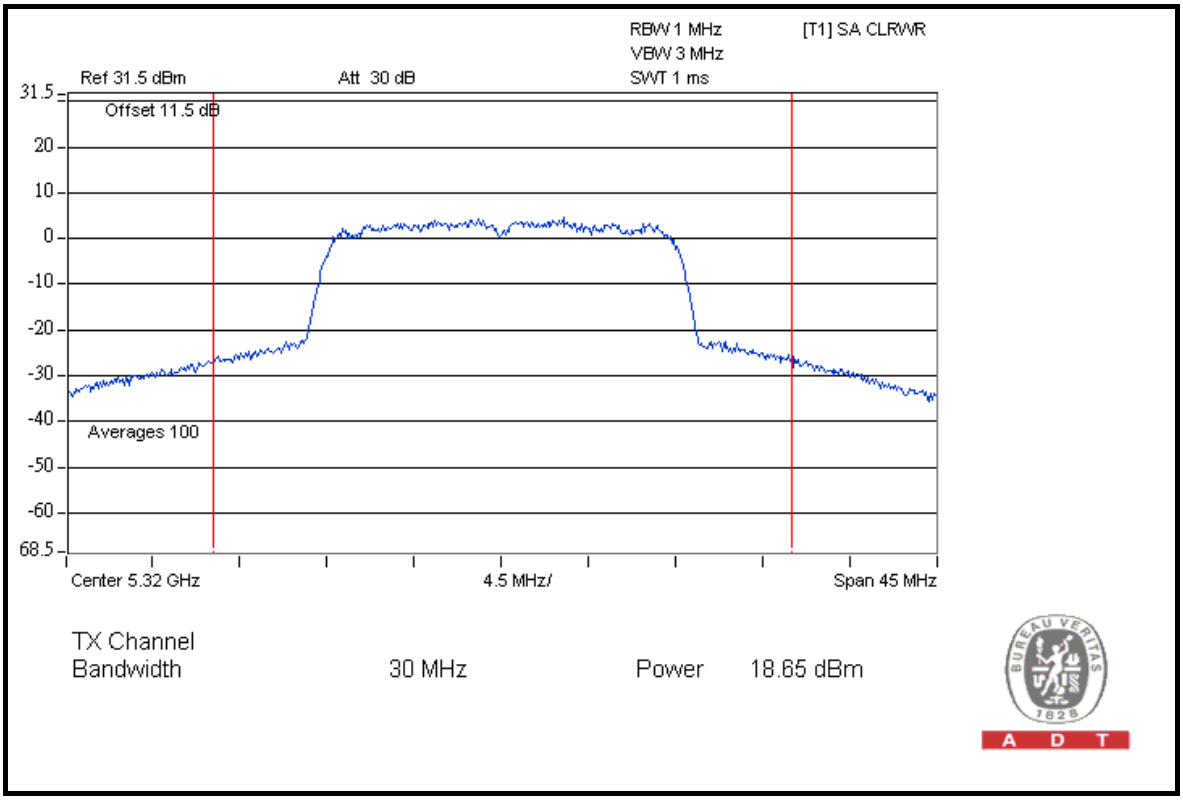
CH 52


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.26 GHz
4.35 MHz/
Span 43.5 MHz
TX Channel Bandwidth
29 MHz
Power
18.59 dBm

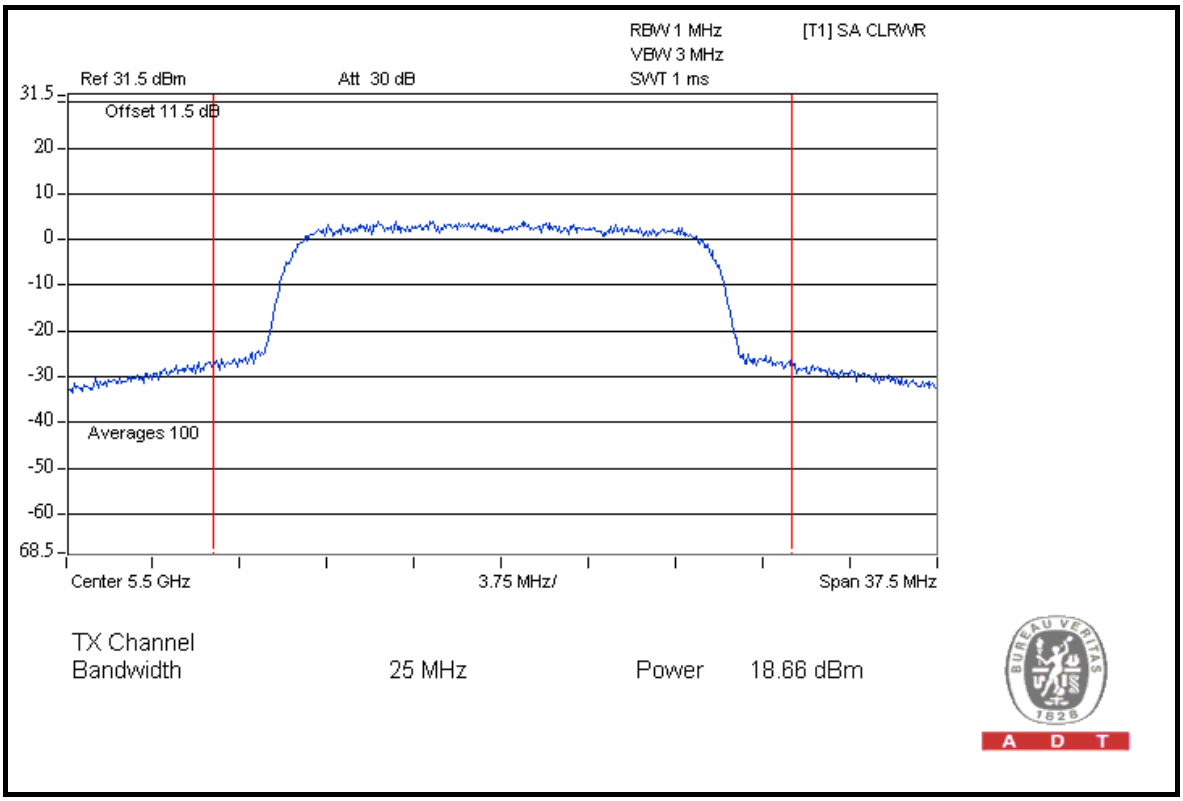
CH 60


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
4.8 MHz/
Span 48 MHz
TX Channel Bandwidth
32 MHz
Power
18.61 dBm

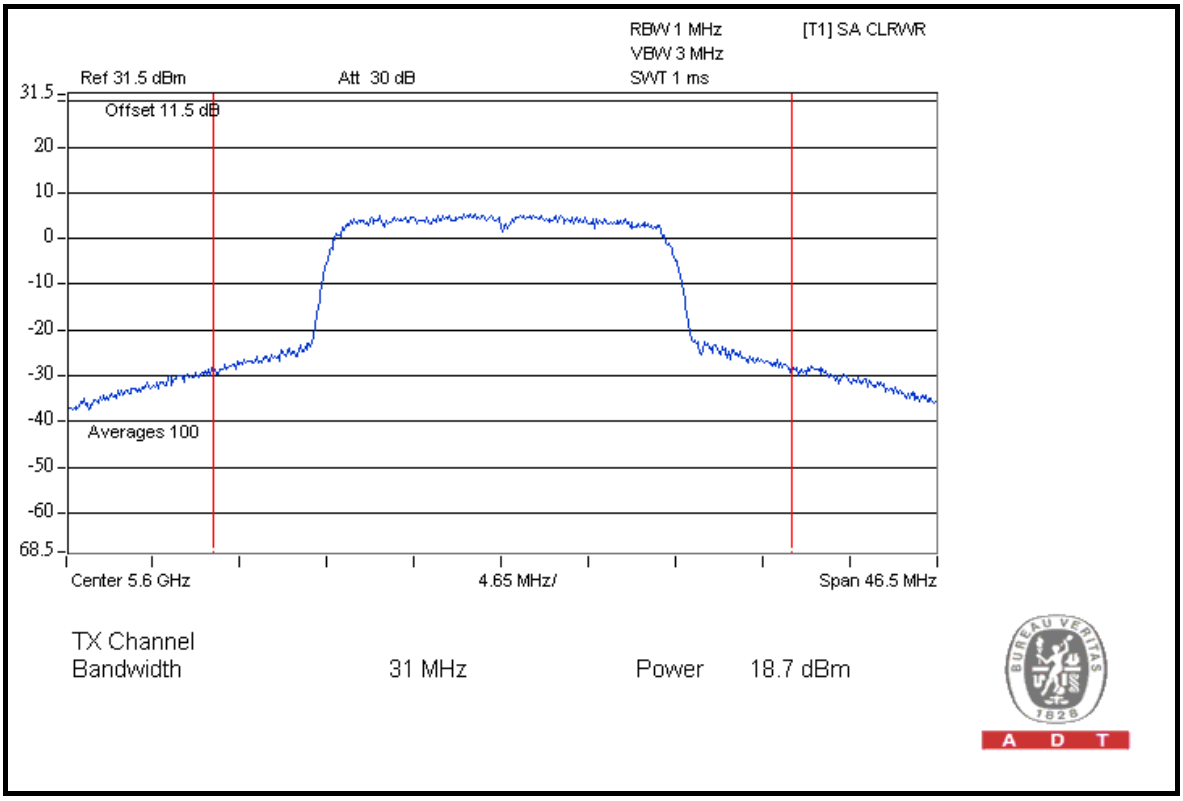
CH 64


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.32 GHz
4.5 MHz/
Span 45 MHz
TX Channel Bandwidth
30 MHz
Power
18.65 dBm

CH 100

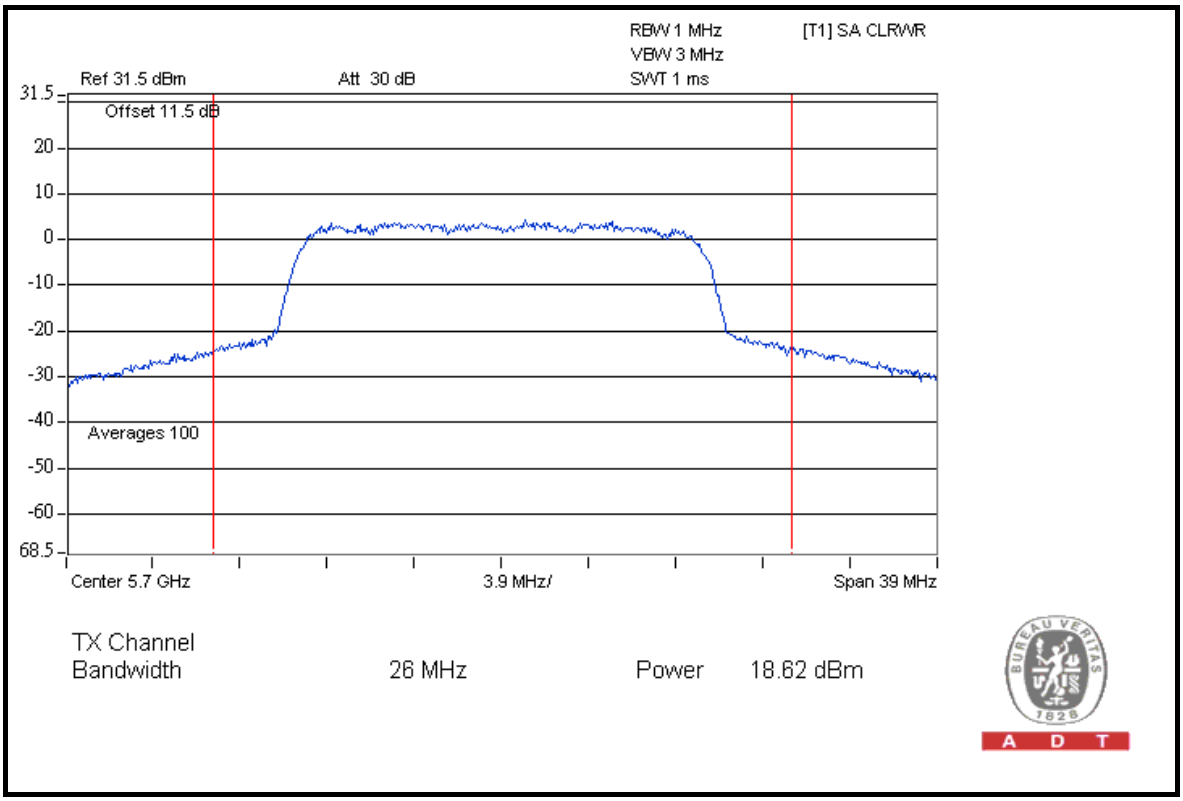

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
3.75 MHz/
Span 37.5 MHz
TX Channel Bandwidth
25 MHz
Power
18.66 dBm

CH 120



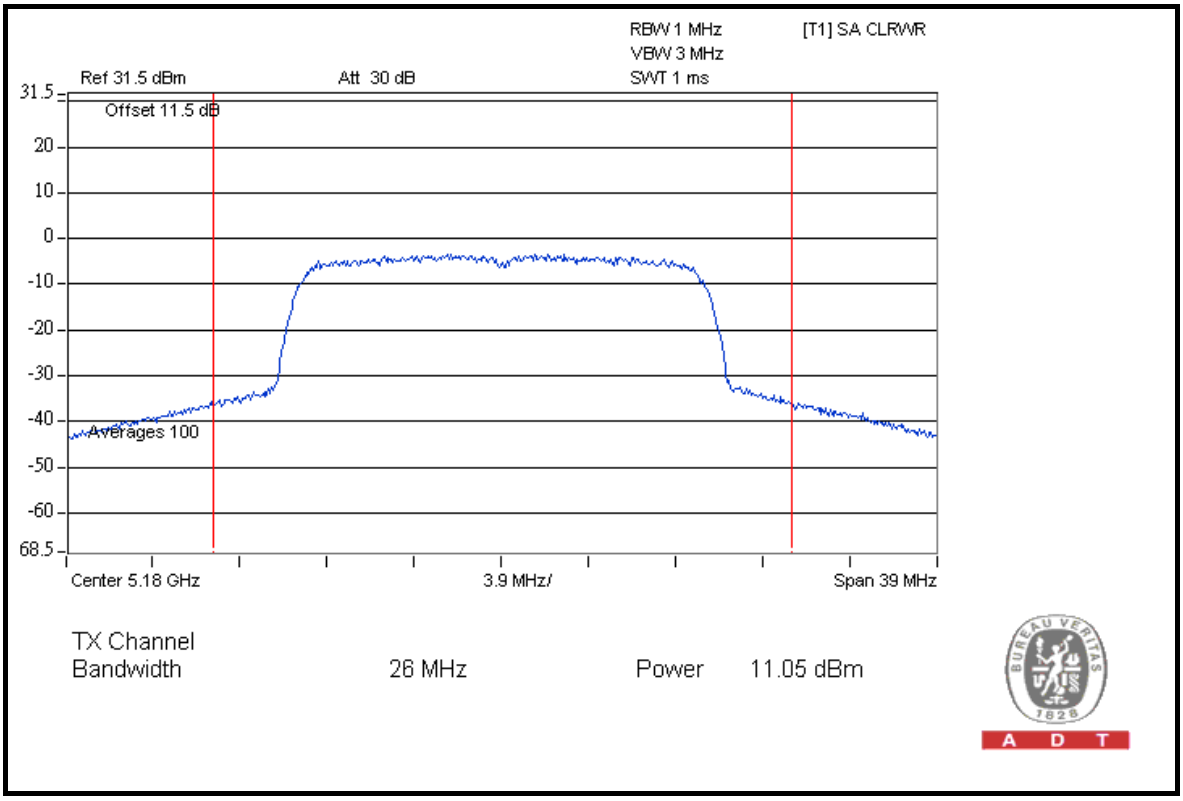
TX Channel Bandwidth 31 MHz Power 18.7 dBm

CH 140

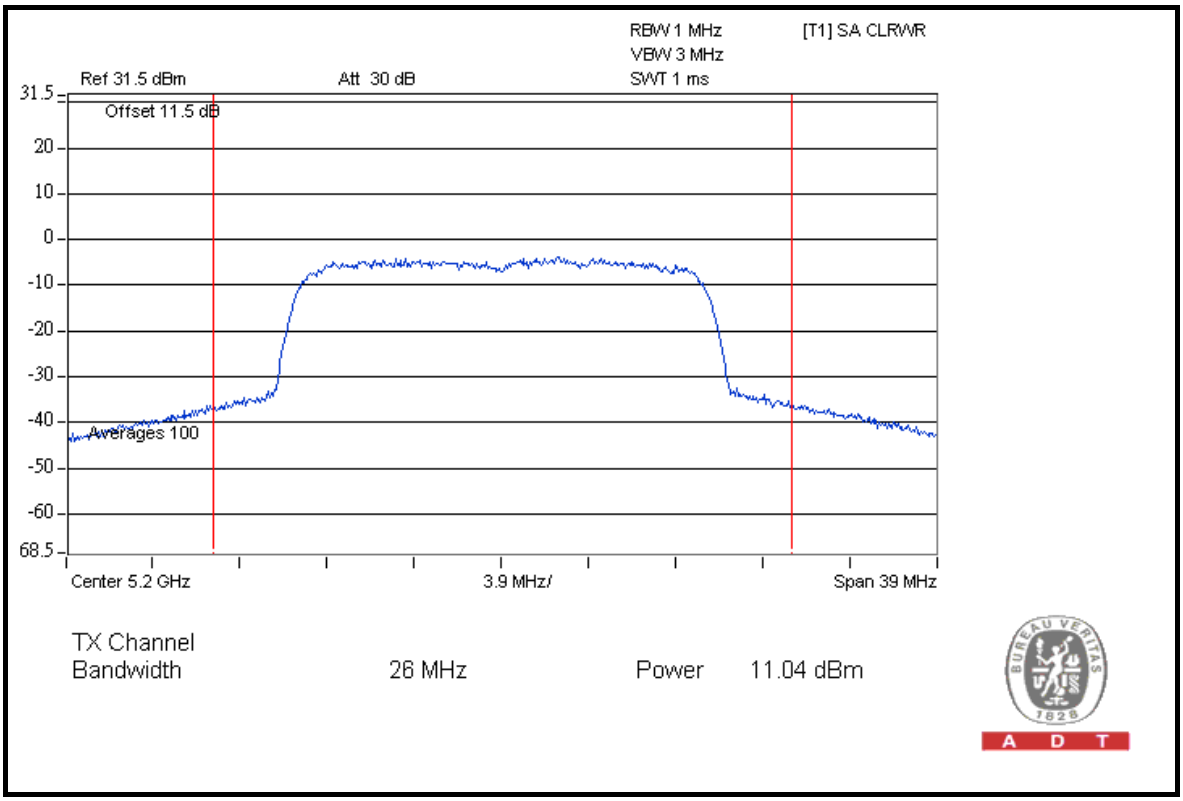


TX Channel Bandwidth 26 MHz Power 18.62 dBm

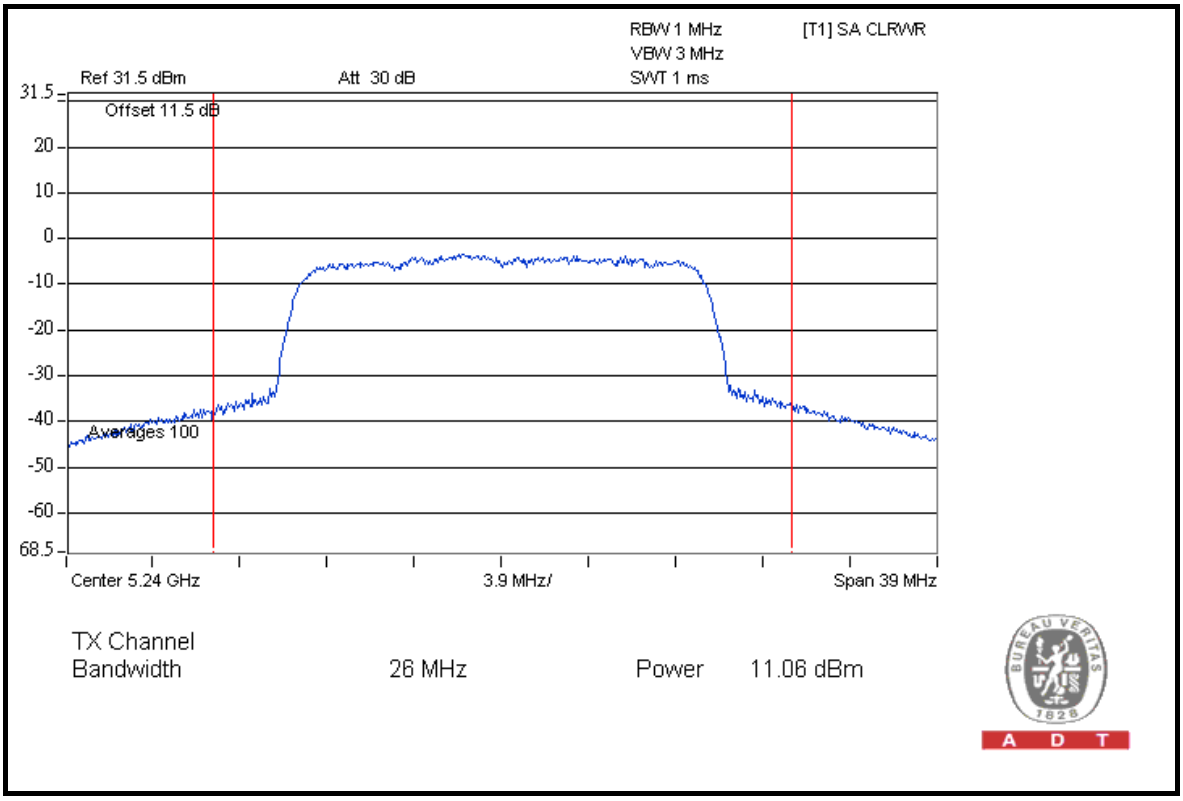
CHAIN 2 CH 36



CH 40

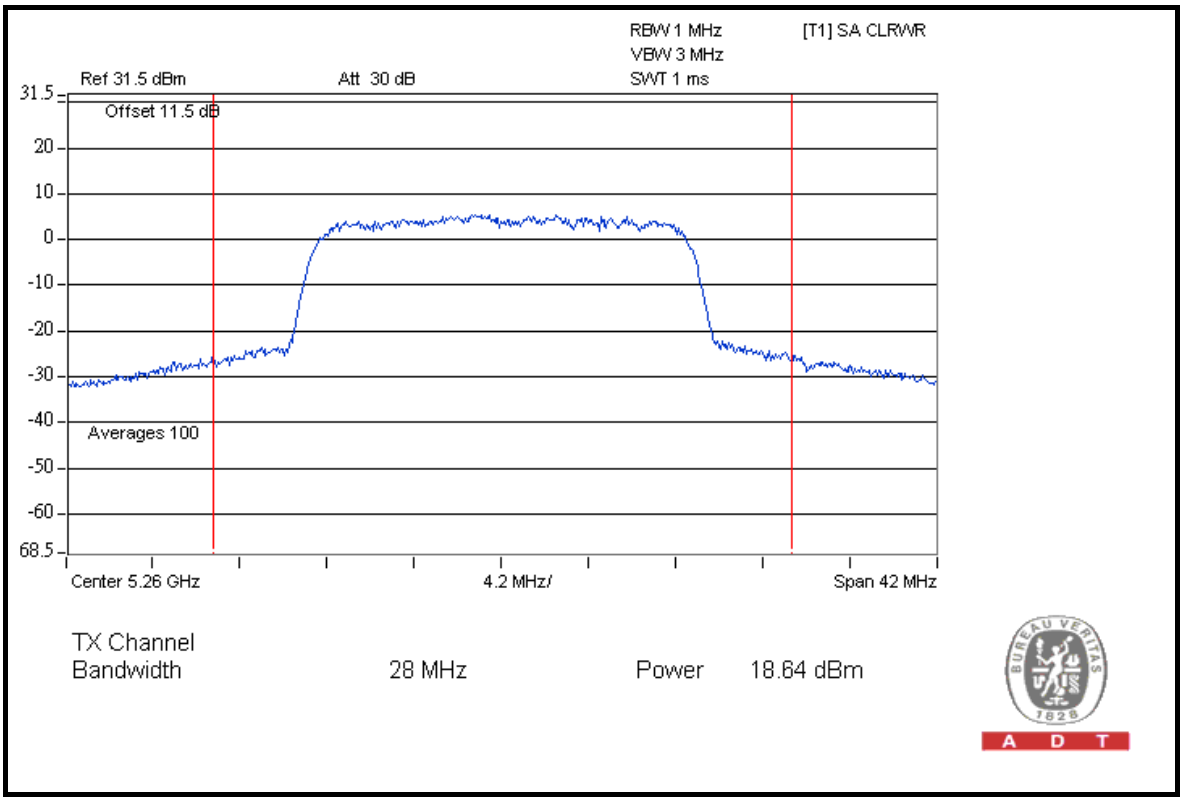


CH 48



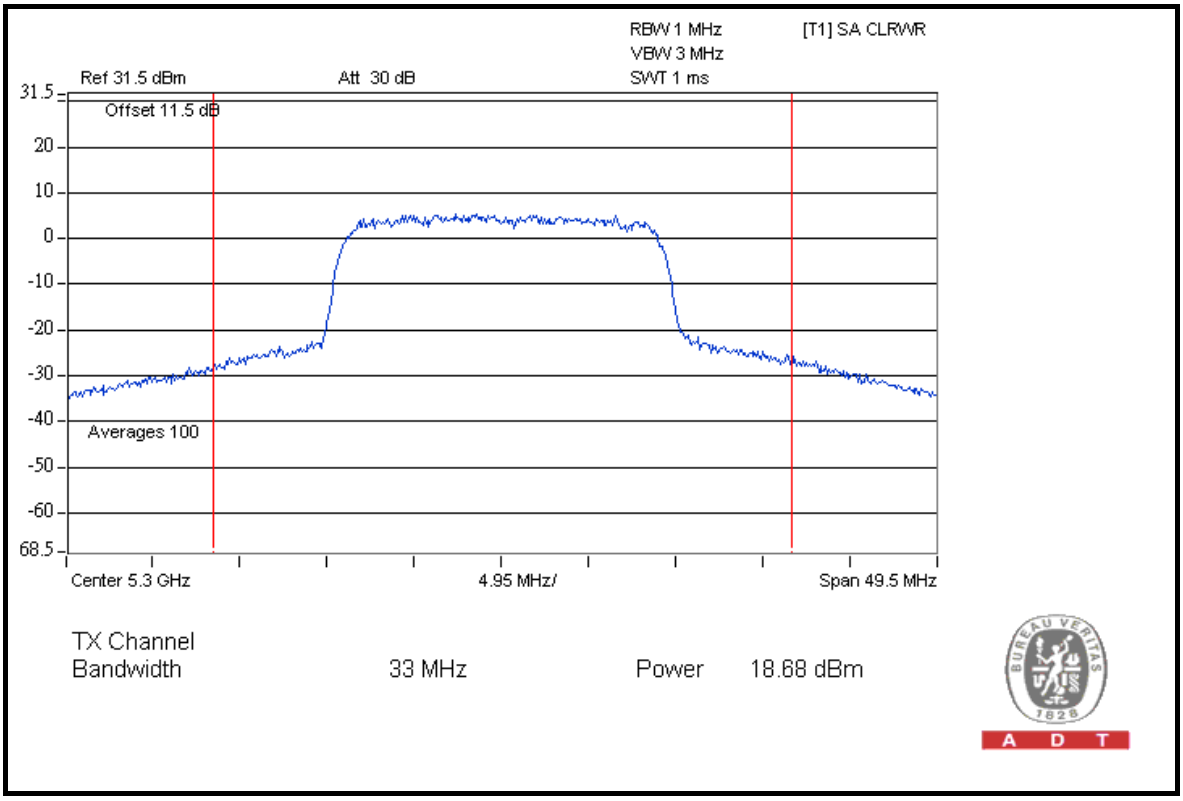
TX Channel Bandwidth 26 MHz Power 11.06 dBm

CH 52

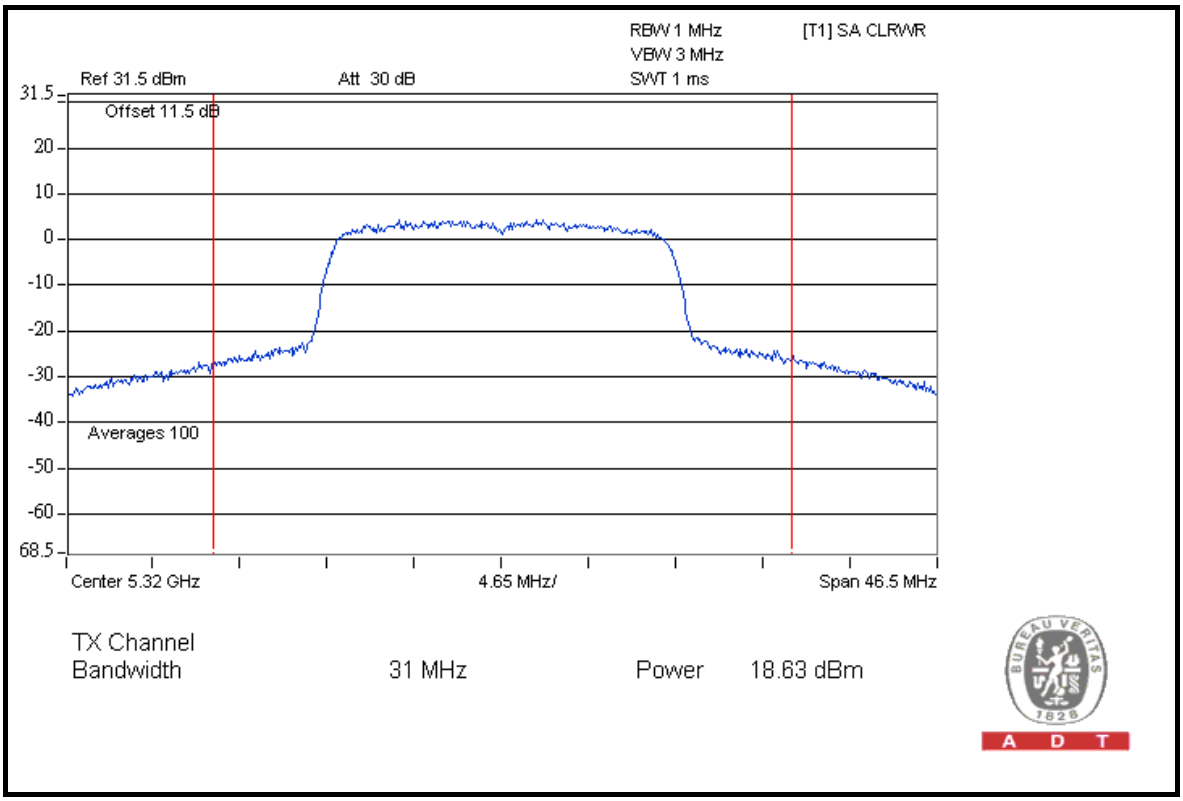


TX Channel Bandwidth 28 MHz Power 18.64 dBm

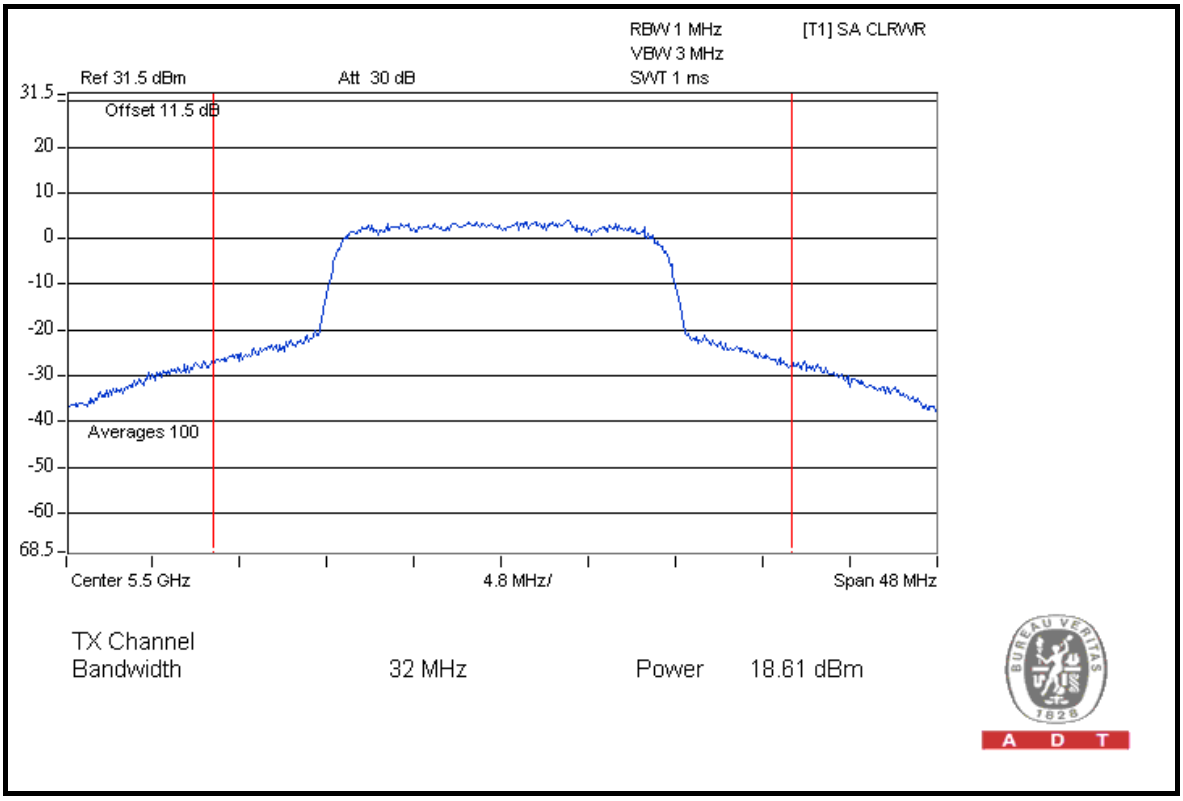
CH 60


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
4.95 MHz/
Span 49.5 MHz
TX Channel Bandwidth
33 MHz
Power
18.68 dBm

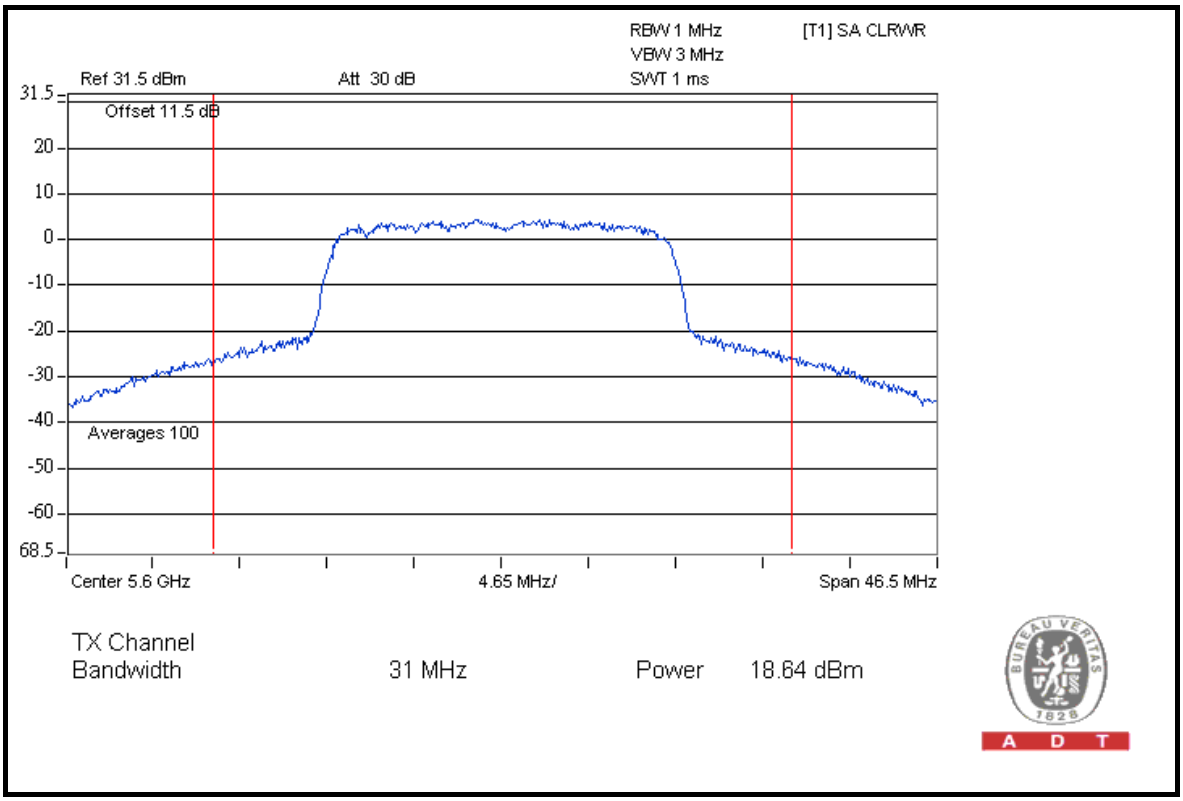
CH 64


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.32 GHz
4.65 MHz/
Span 46.5 MHz
TX Channel Bandwidth
31 MHz
Power
18.63 dBm

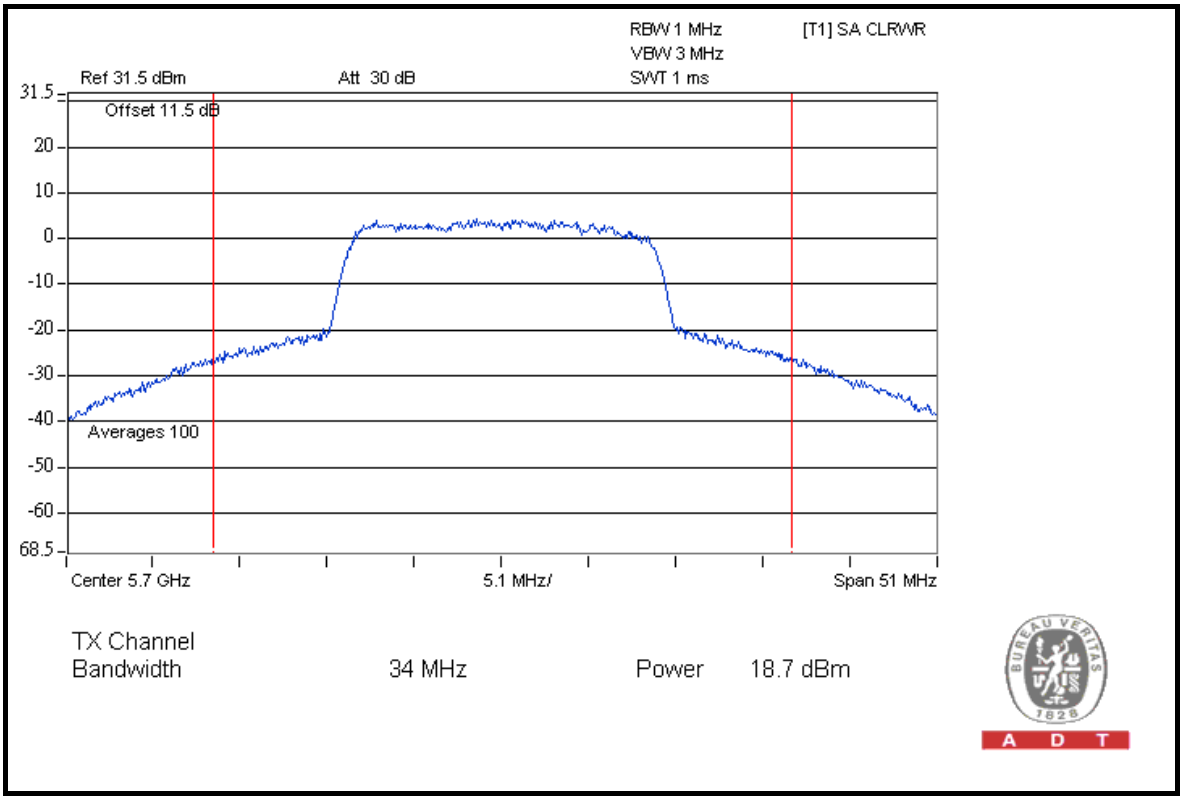
CH 100


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
4.8 MHz/
Span 48 MHz
TX Channel Bandwidth
32 MHz
Power
18.61 dBm

CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
4.65 MHz/
Span 46.5 MHz
TX Channel Bandwidth
31 MHz
Power
18.64 dBm

CH 140


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.7 GHz
5.1 MHz/
Span 51 MHz
TX Channel
Bandwidth
34 MHz
Power
18.7 dBm

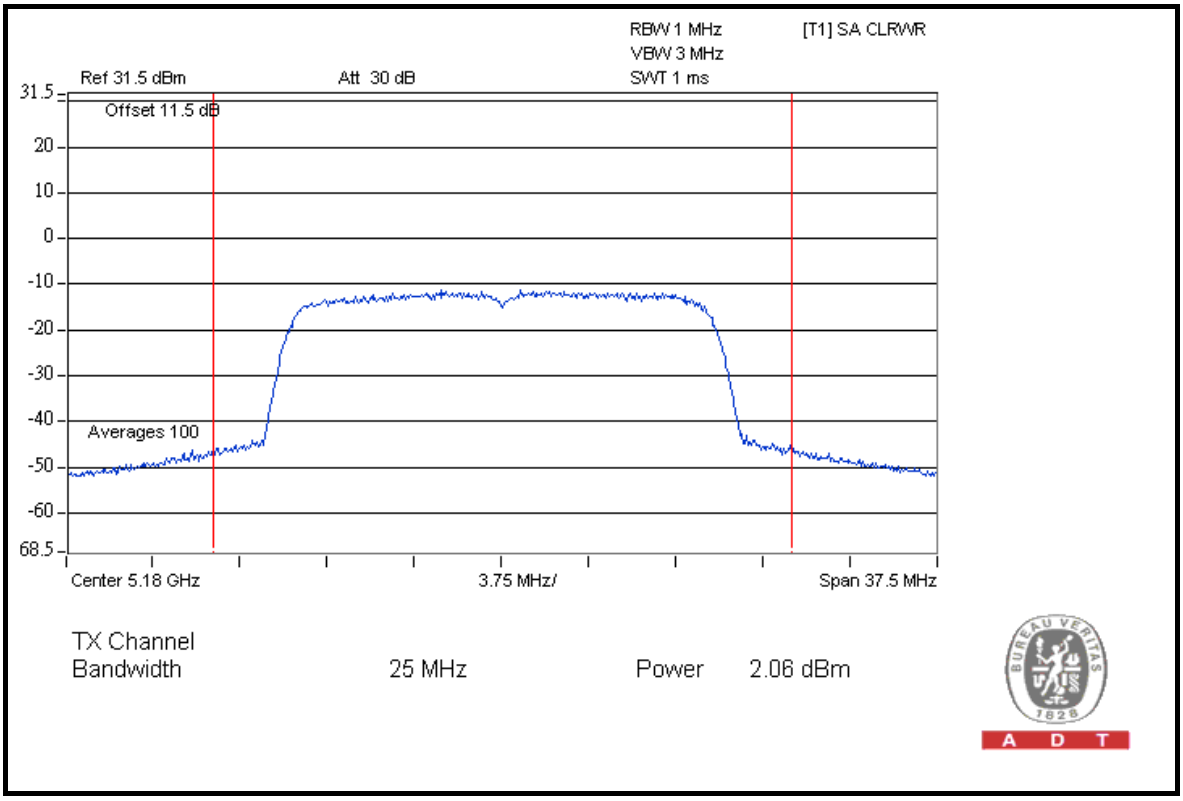
DRAFT 802.11n (20MHz) OFDM MODULATION

MODULATION TYPE	BPSK	**TRANSFER RATE**	6.5Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	**C**

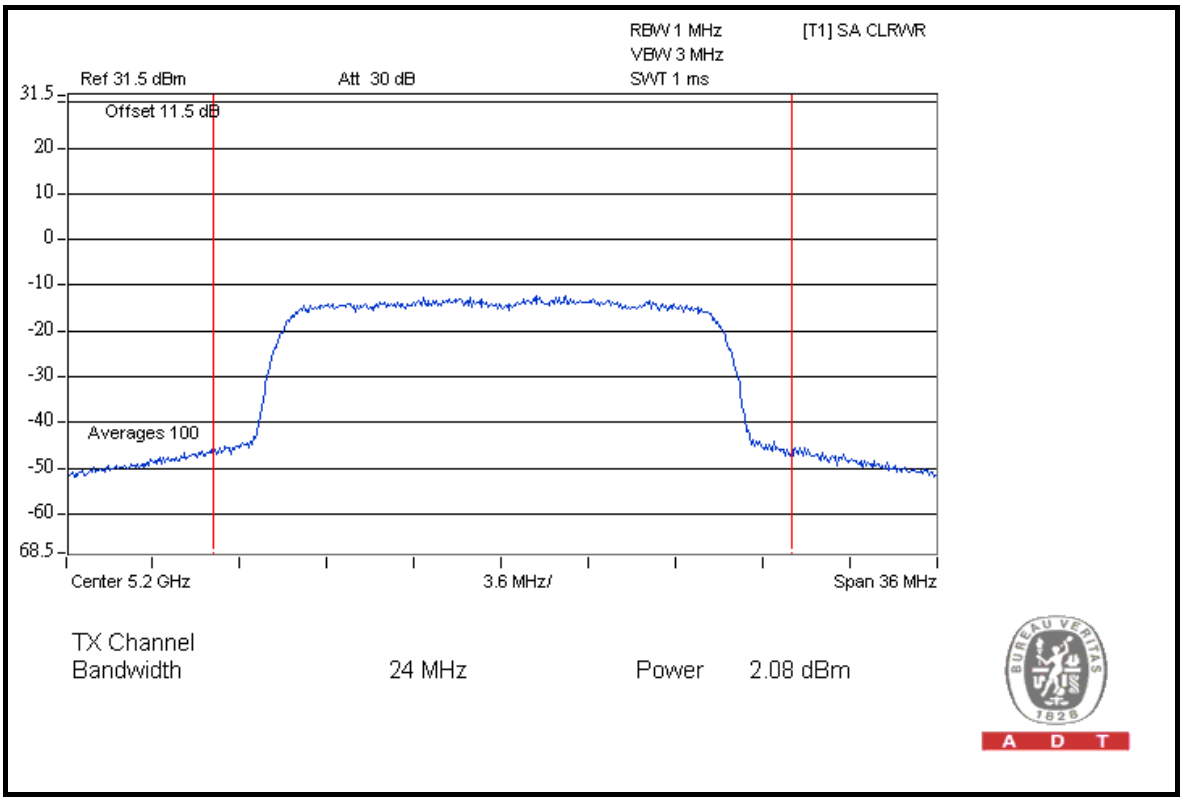
CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
36	5180	2.06	2.15	3.248	5.12	9	PASS
40	5200	2.08	2.05	3.218	5.08	9	PASS
48	5240	2.11	2.10	3.247	5.12	9	PASS
52	5260	12.45	12.48	35.28	15.48	16	PASS
60	5300	12.49	12.45	35.32	15.48	16	PASS
64	5320	12.51	12.41	35.24	15.47	16	PASS
100	5500	12.43	12.35	34.68	15.40	16	PASS
120	5600	12.45	12.48	35.28	15.48	16	PASS
140	5700	12.46	12.49	35.36	15.49	16	PASS

NOTE: According to 15.407 (a) (1) (2), the maximum antenna gain 14dBi is higher than 6dBi, so the limit of output power shall be reduced by 8 dB.

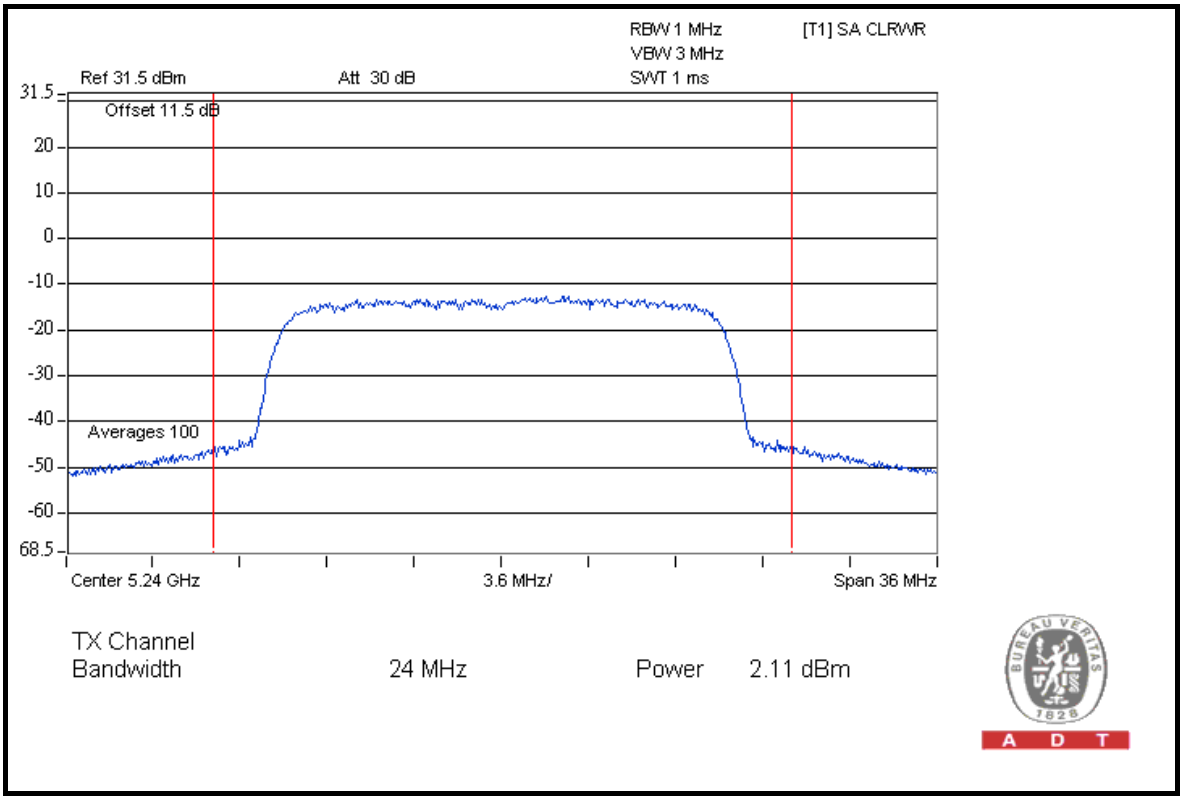
CHAIN 0 CH 36



CH 40

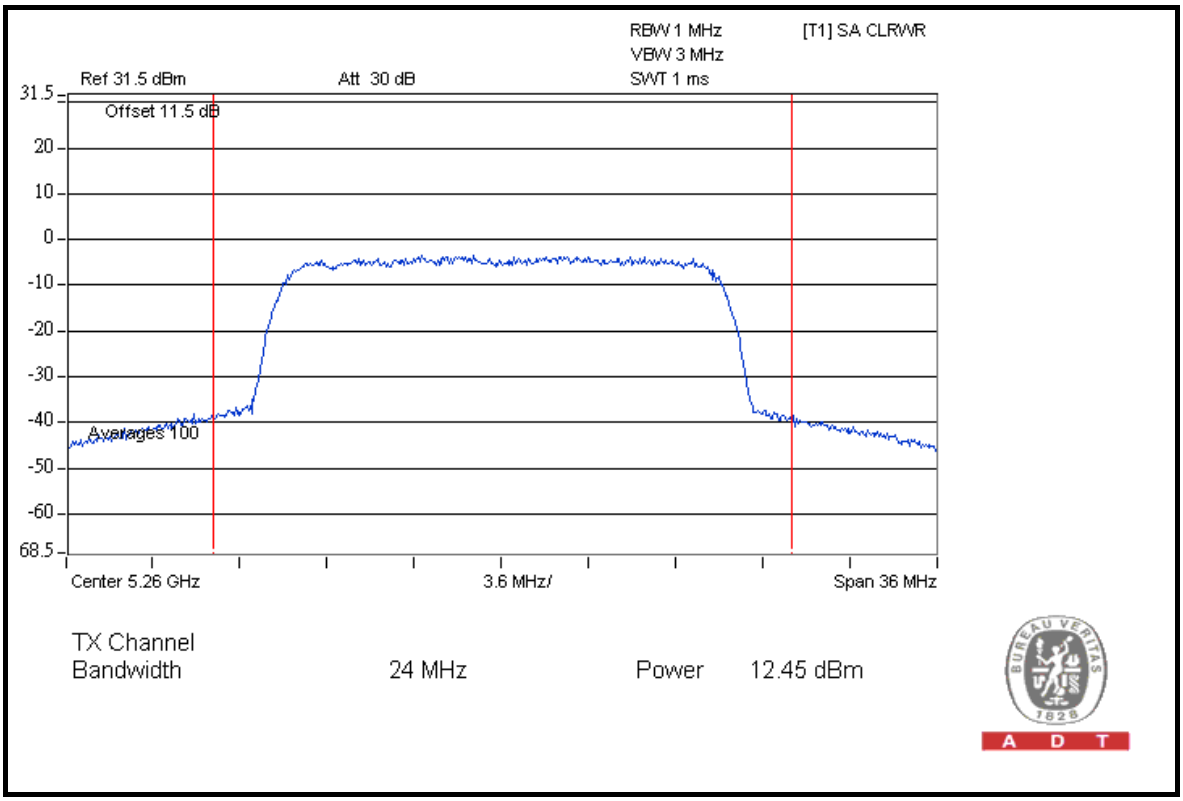


CH 48



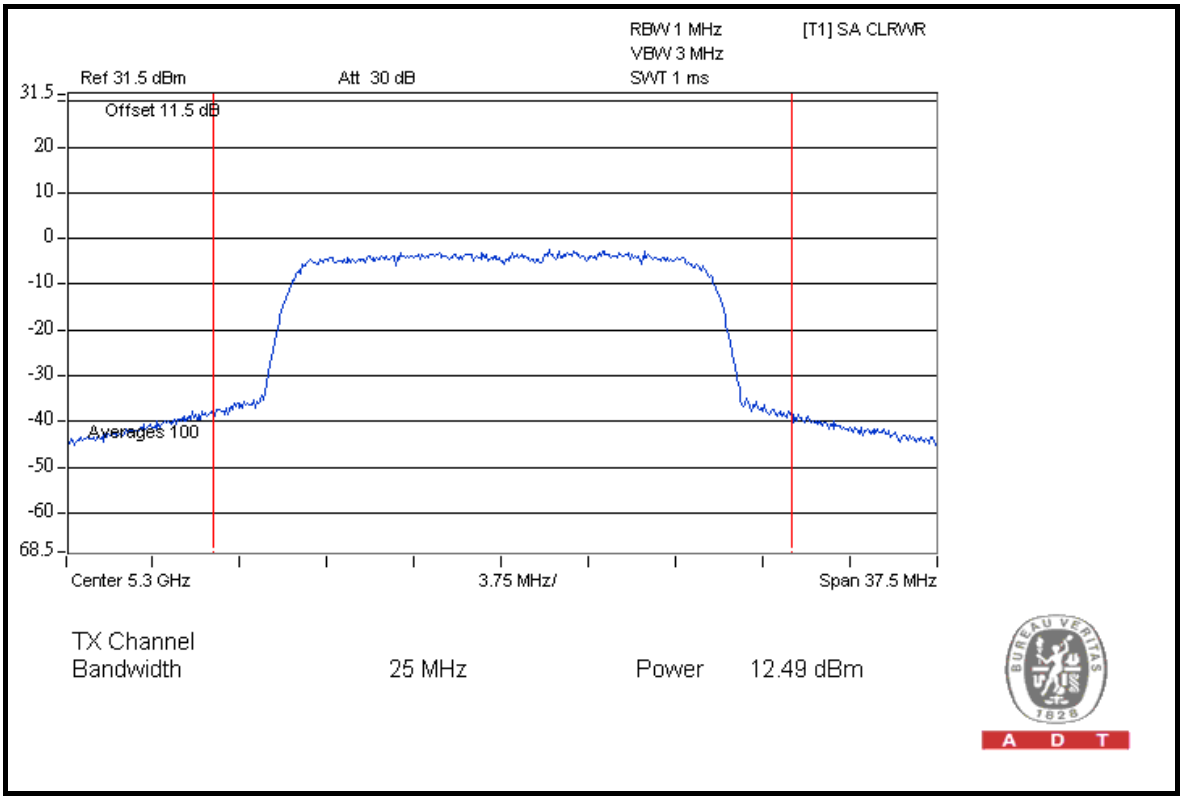
TX Channel Bandwidth 24 MHz Power 2.11 dBm

CH 52



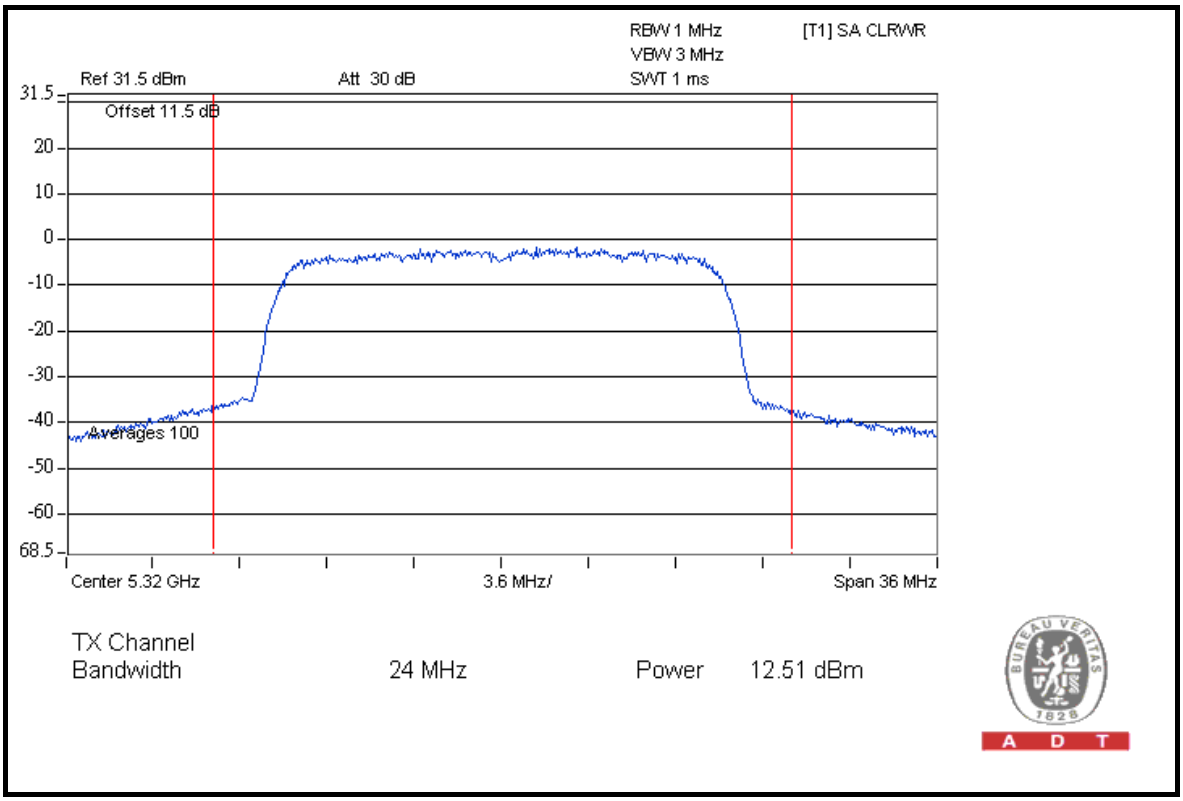
TX Channel Bandwidth 24 MHz Power 12.45 dBm

CH 60



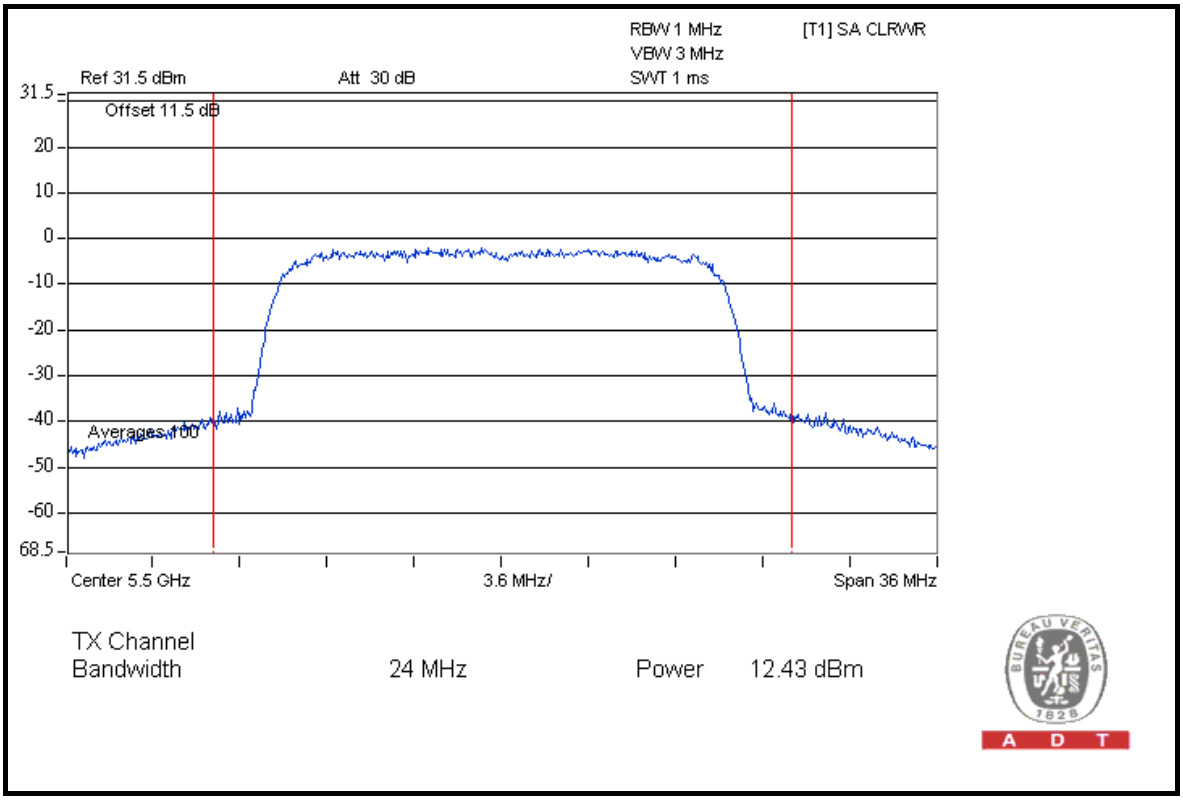
TX Channel Bandwidth 25 MHz Power 12.49 dBm

CH 64

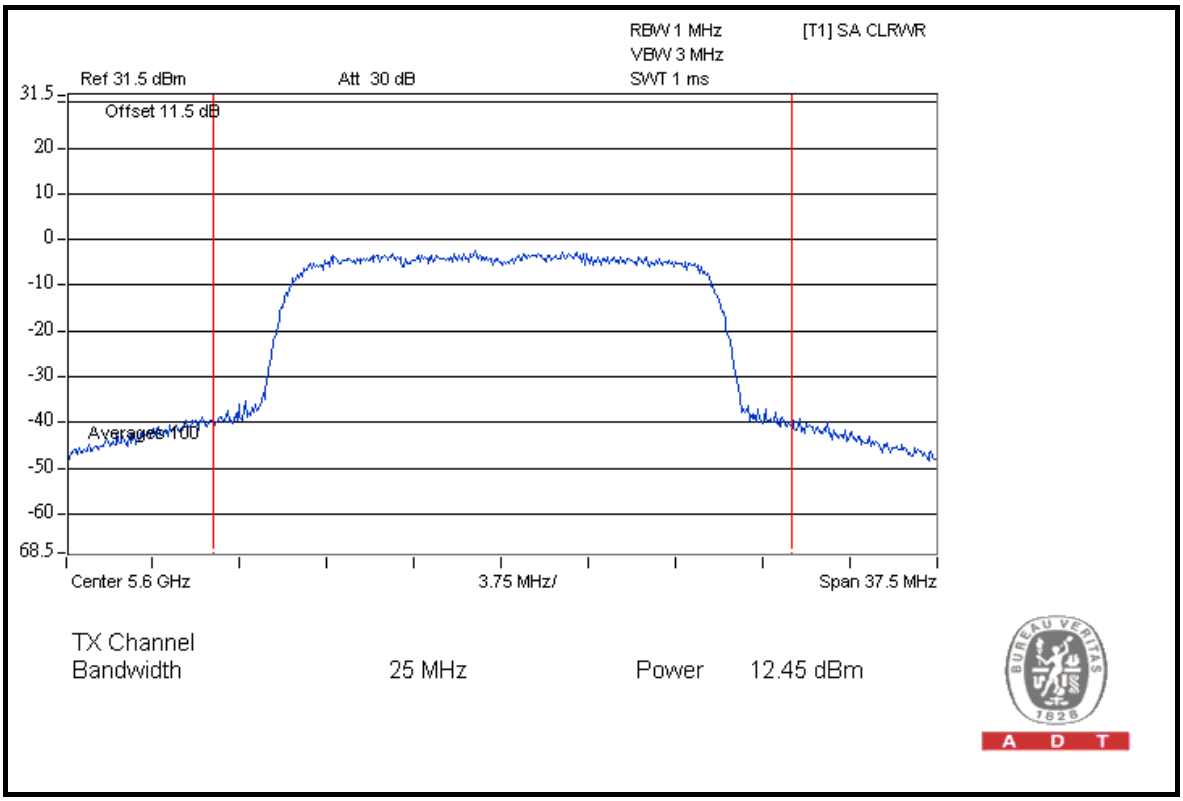


TX Channel Bandwidth 24 MHz Power 12.51 dBm

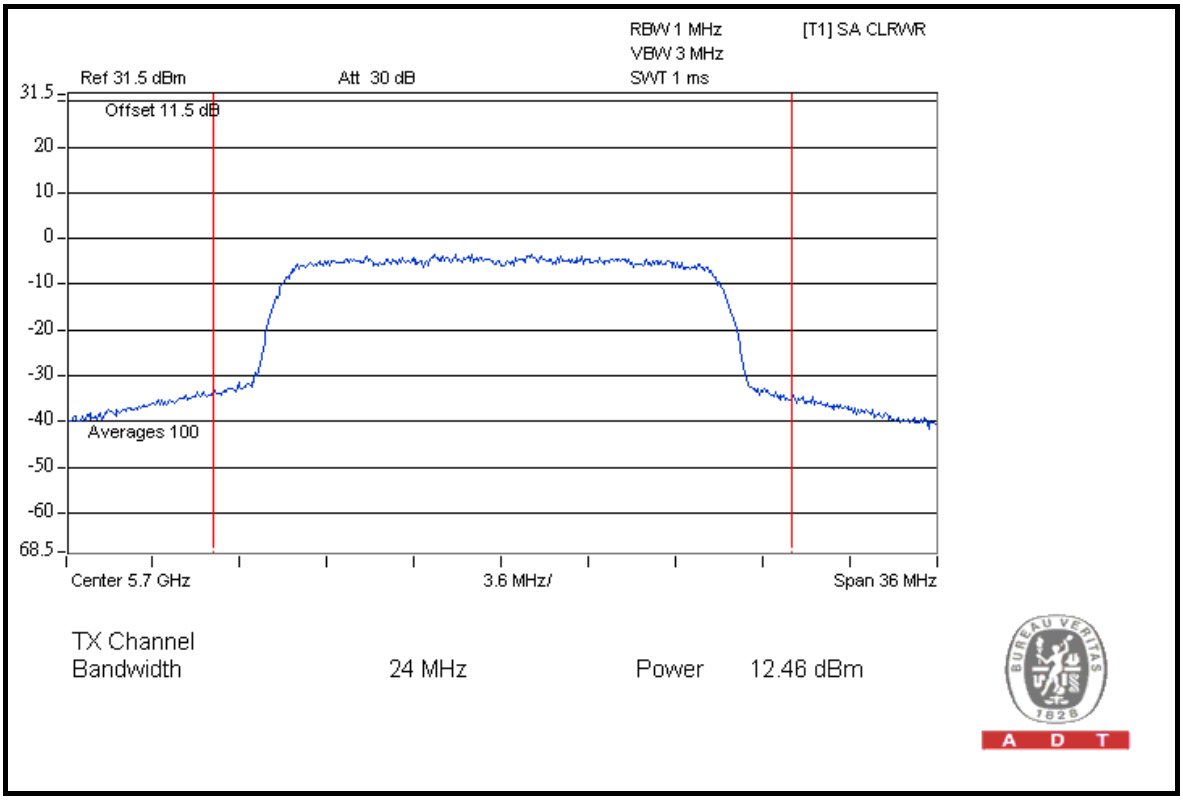
CH 100


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.5 GHz
3.6 MHz/
Span 36 MHz
TX Channel Bandwidth
24 MHz
Power
12.43 dBm

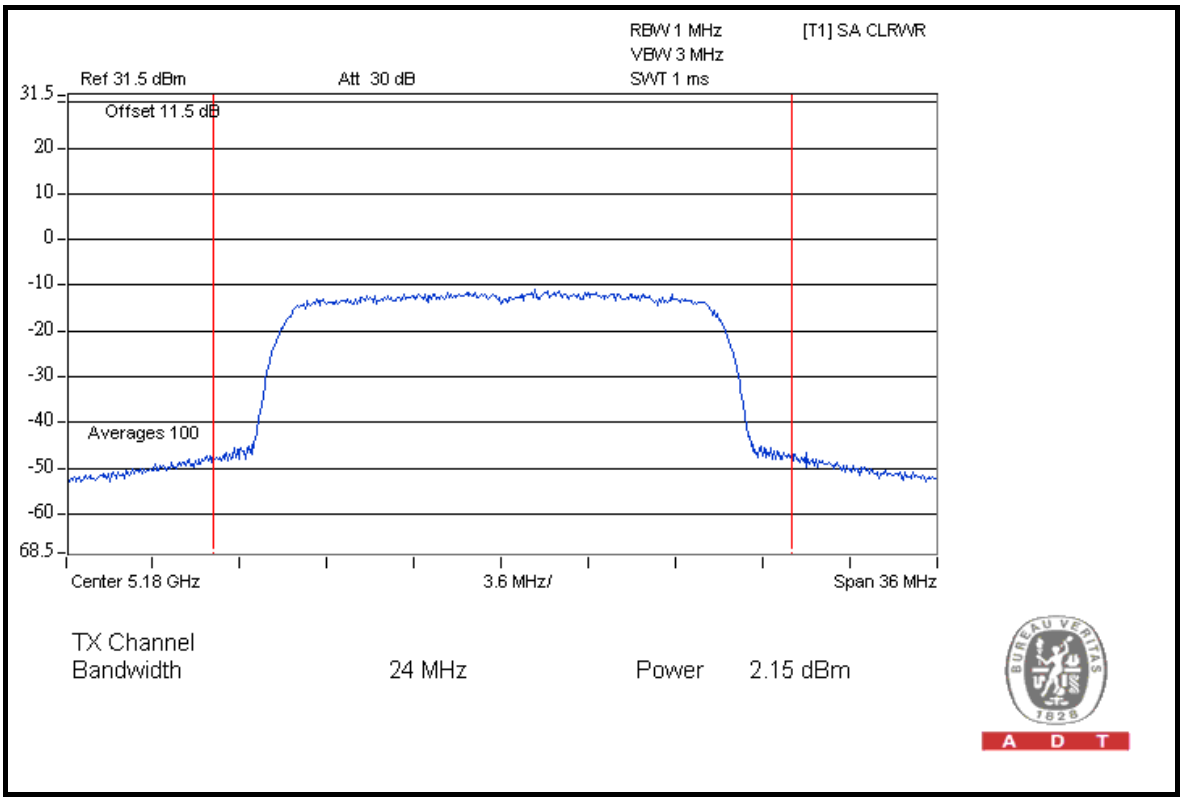
CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
3.75 MHz/
Span 37.5 MHz
TX Channel Bandwidth
25 MHz
Power
12.45 dBm

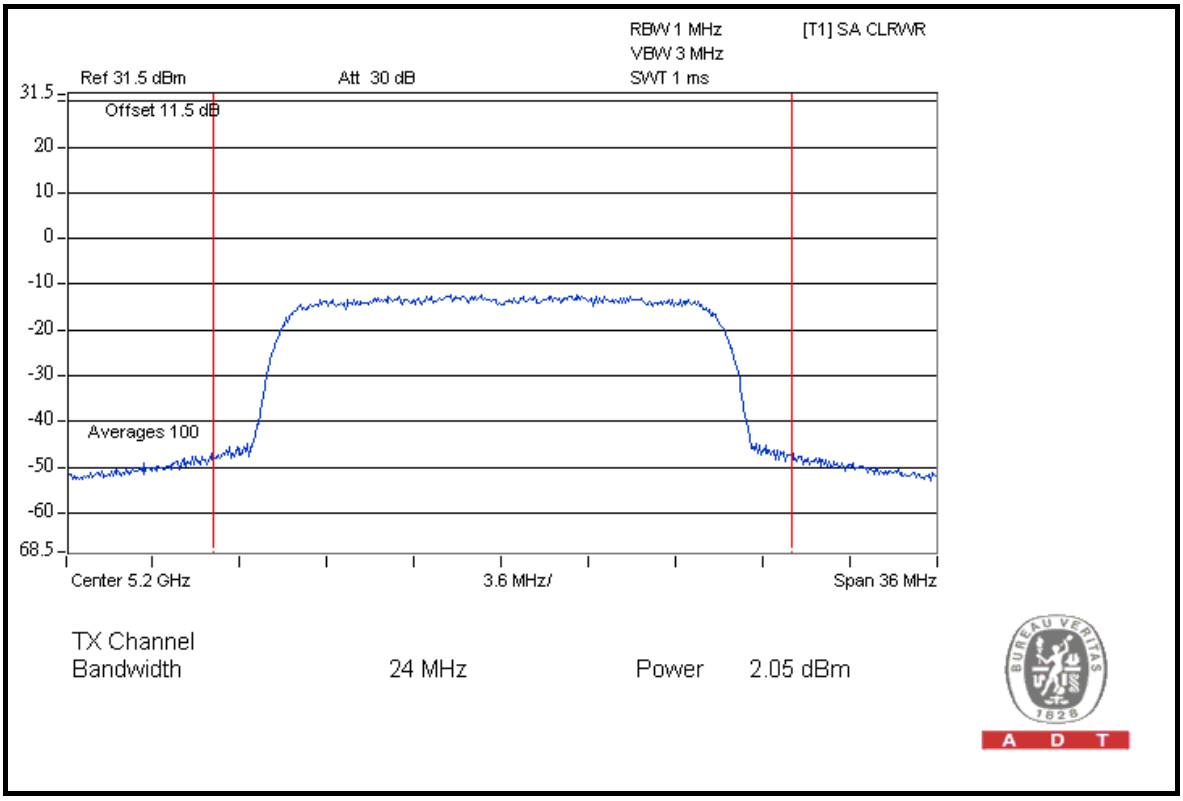
CH 140



CHAIN 1 CH 36

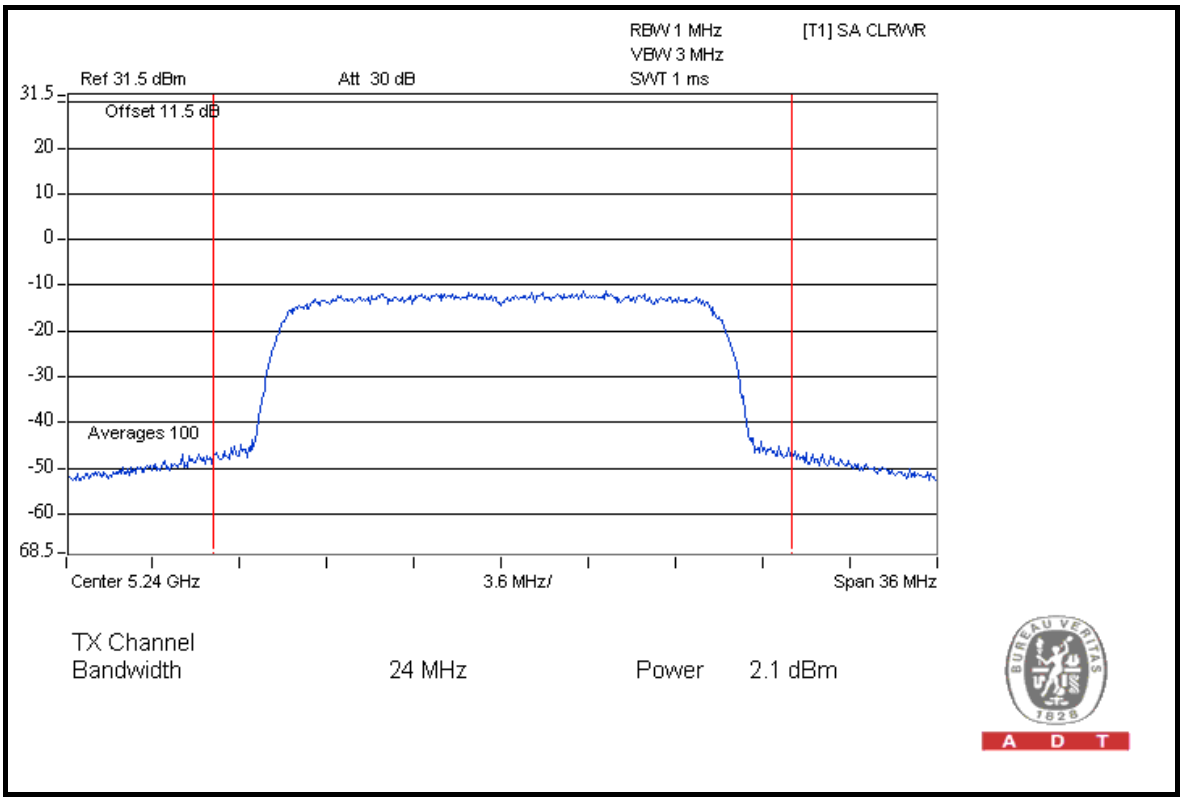


CH 40



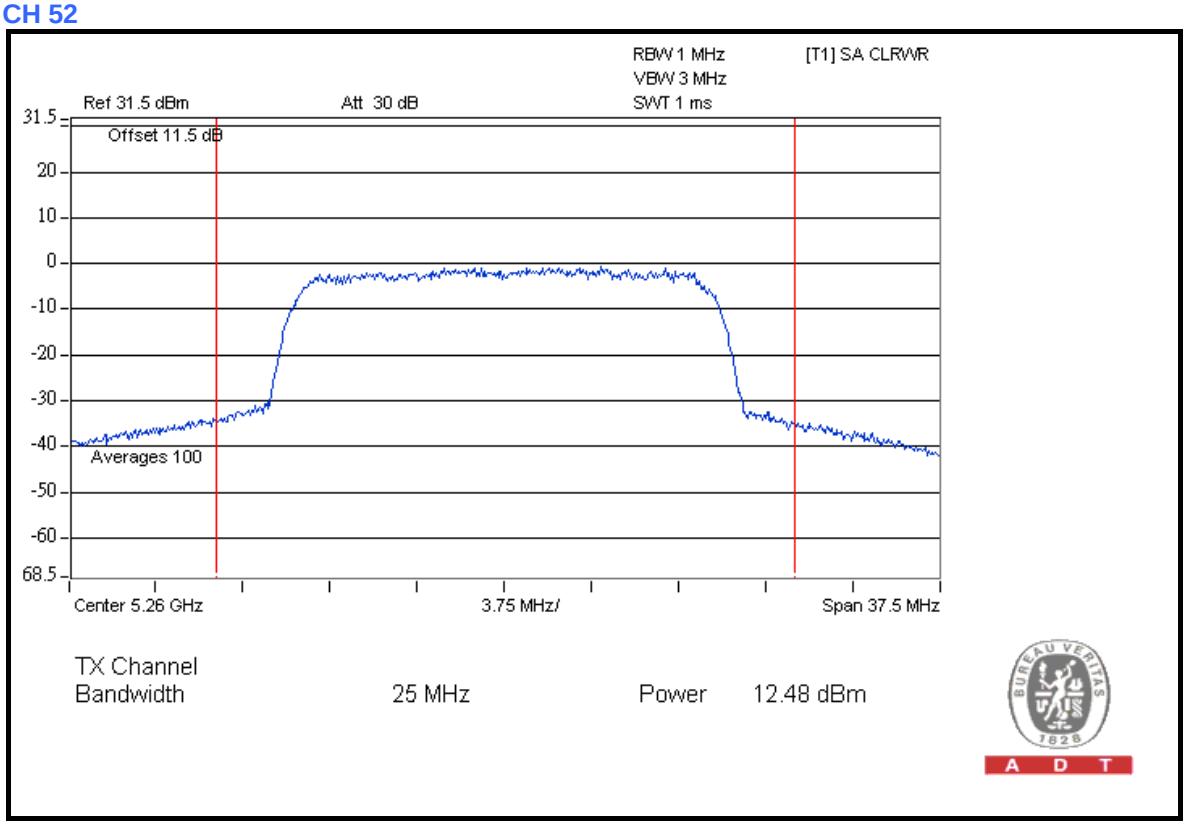
TX Channel Bandwidth 24 MHz Power 2.05 dBm

CH 48

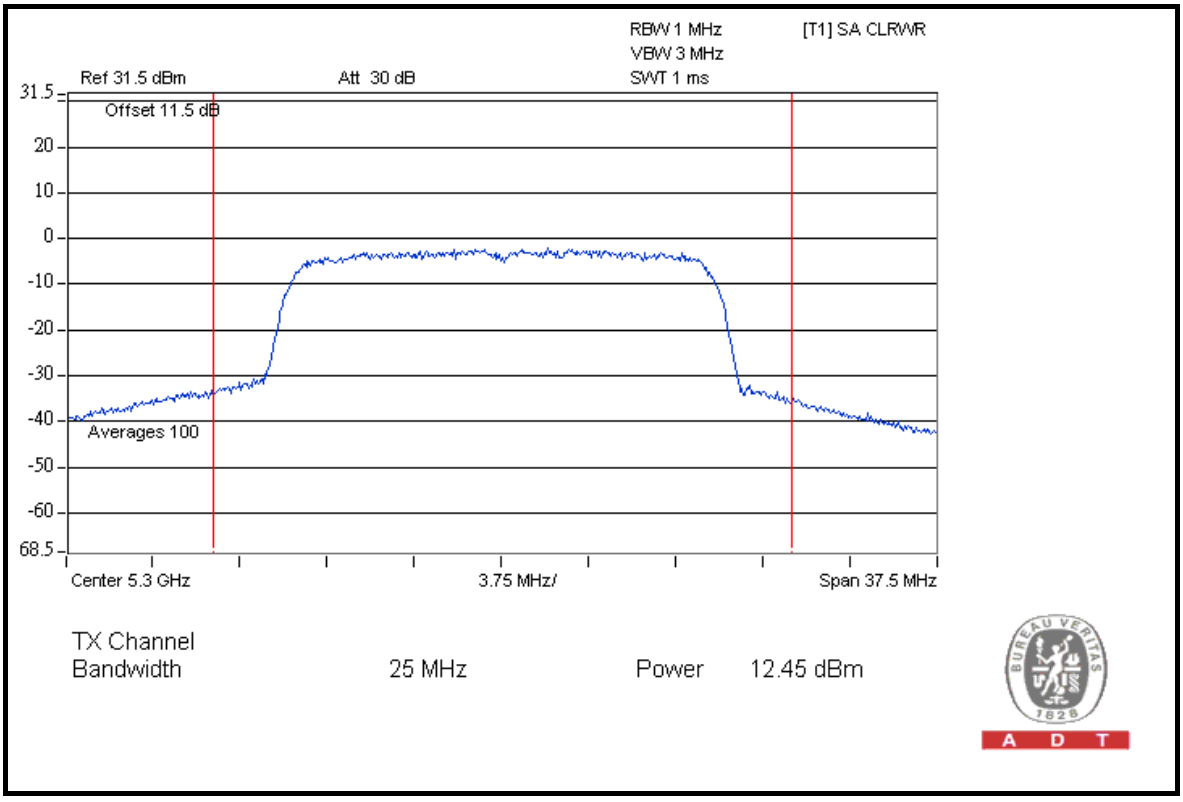


TX Channel Bandwidth 24 MHz Power 2.1 dBm

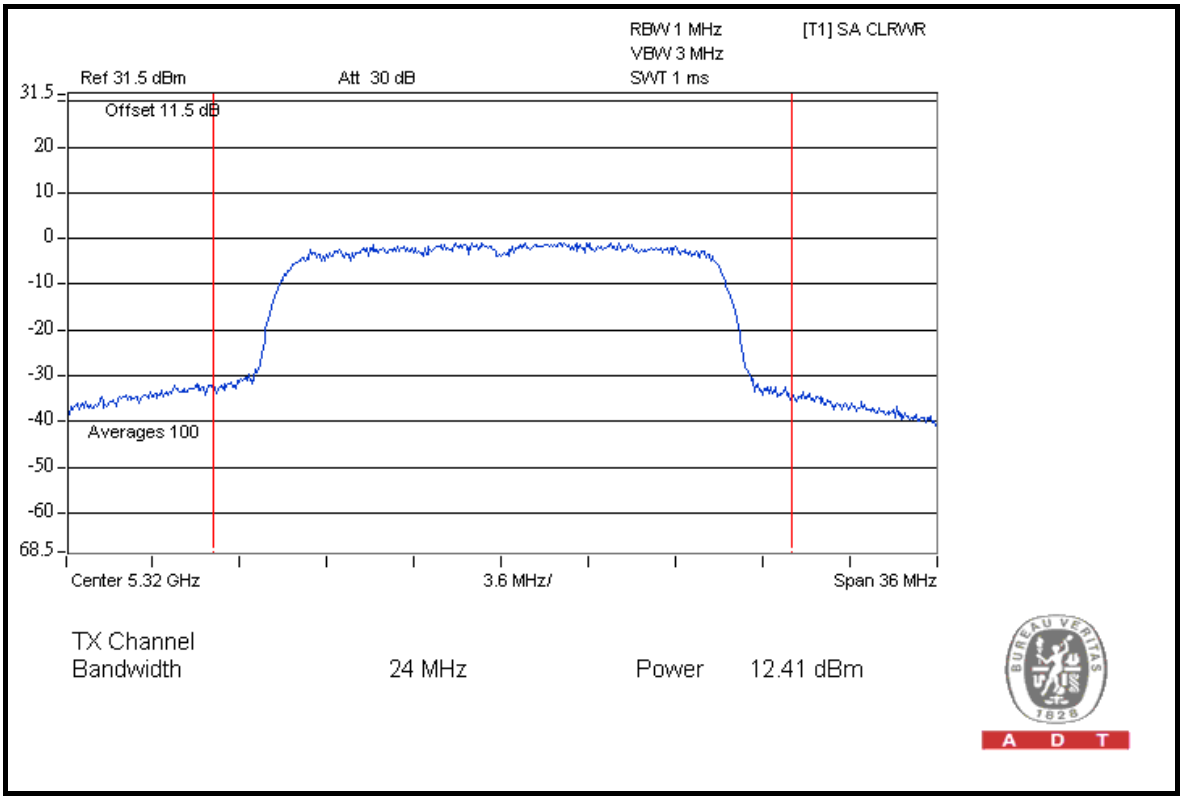
CH 52


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.26 GHz
3.75 MHz/
Span 37.5 MHz
TX Channel Bandwidth
25 MHz
Power
12.48 dBm

CH 60

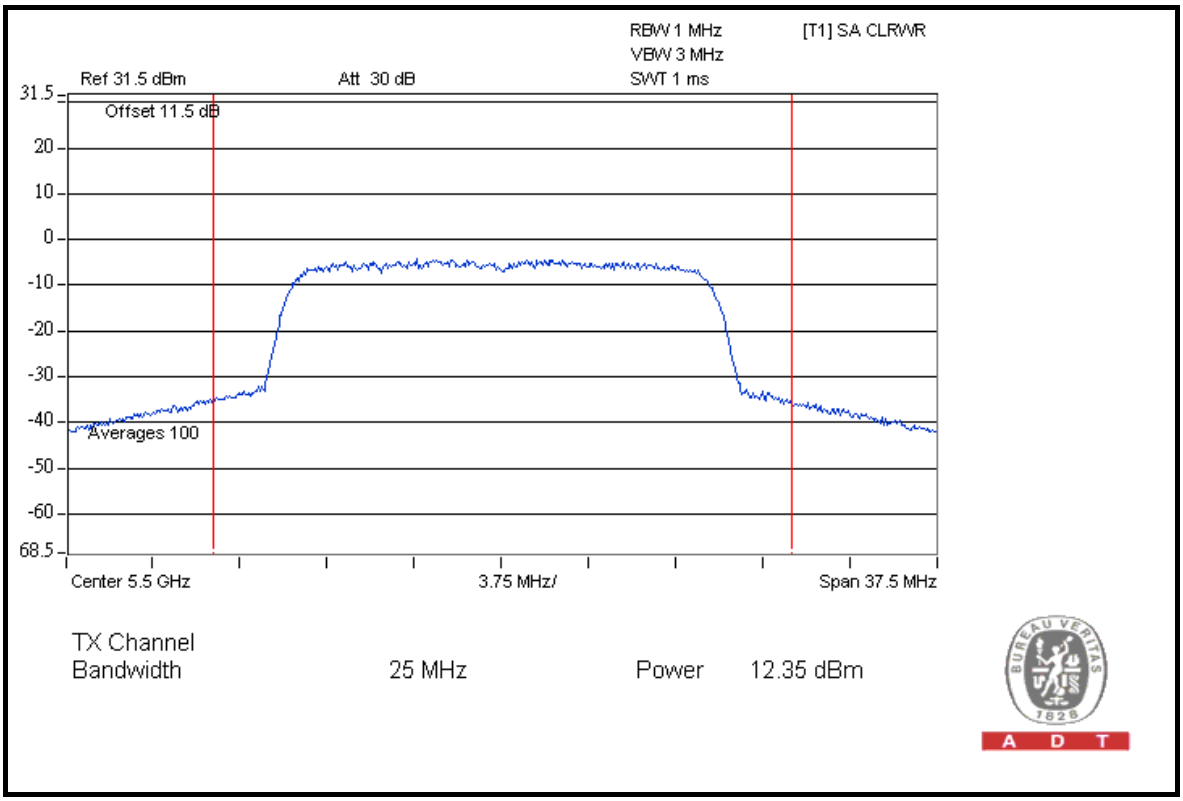

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.3 GHz
3.75 MHz/
Span 37.5 MHz
TX Channel Bandwidth
25 MHz
Power
12.45 dBm

CH 64



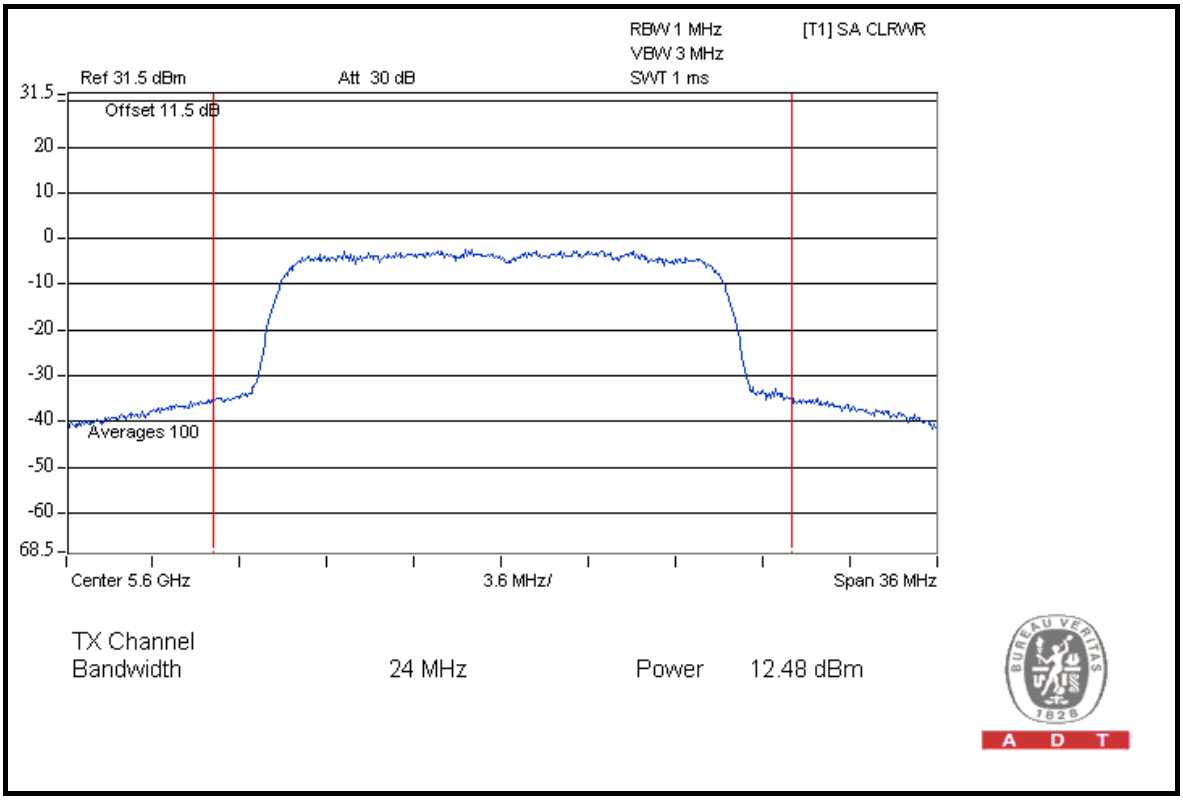
TX Channel Bandwidth 24 MHz Power 12.41 dBm

CH 100

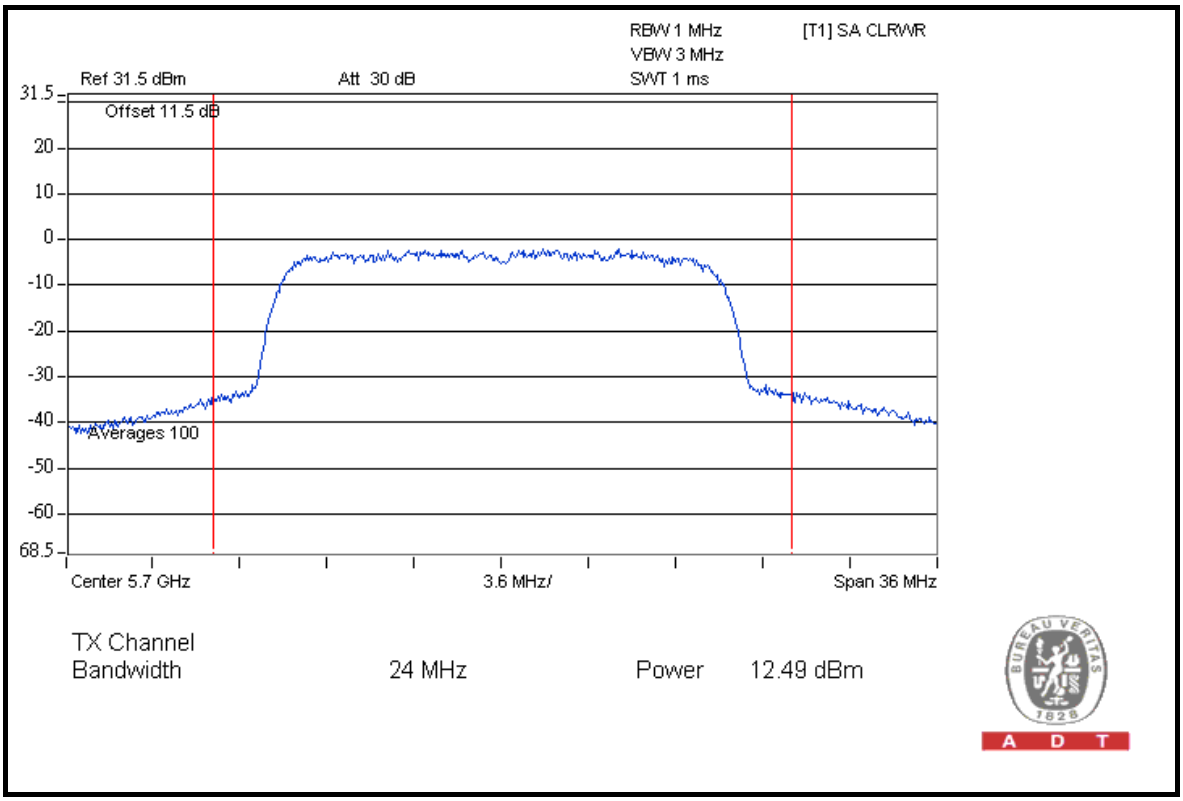


TX Channel Bandwidth 25 MHz Power 12.35 dBm

CH 120


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.6 GHz
3.6 MHz/
Span 36 MHz
TX Channel Bandwidth
24 MHz
Power
12.48 dBm

CH 140

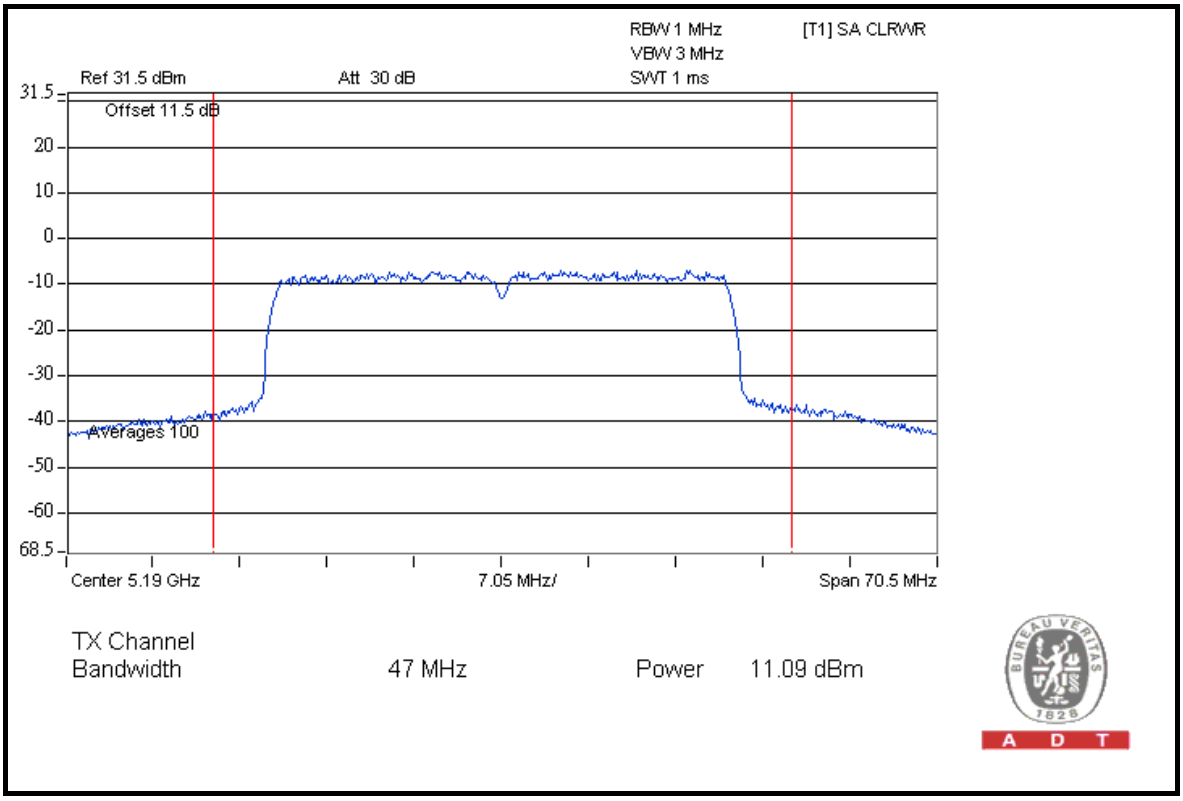

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.7 GHz
3.6 MHz/
Span 36 MHz
TX Channel Bandwidth
24 MHz
Power
12.49 dBm

DRAFT 802.11n (40MHz) OFDM MODULATION

MODULATION TYPE	BPSK	**TRANSFER RATE**	13.5Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

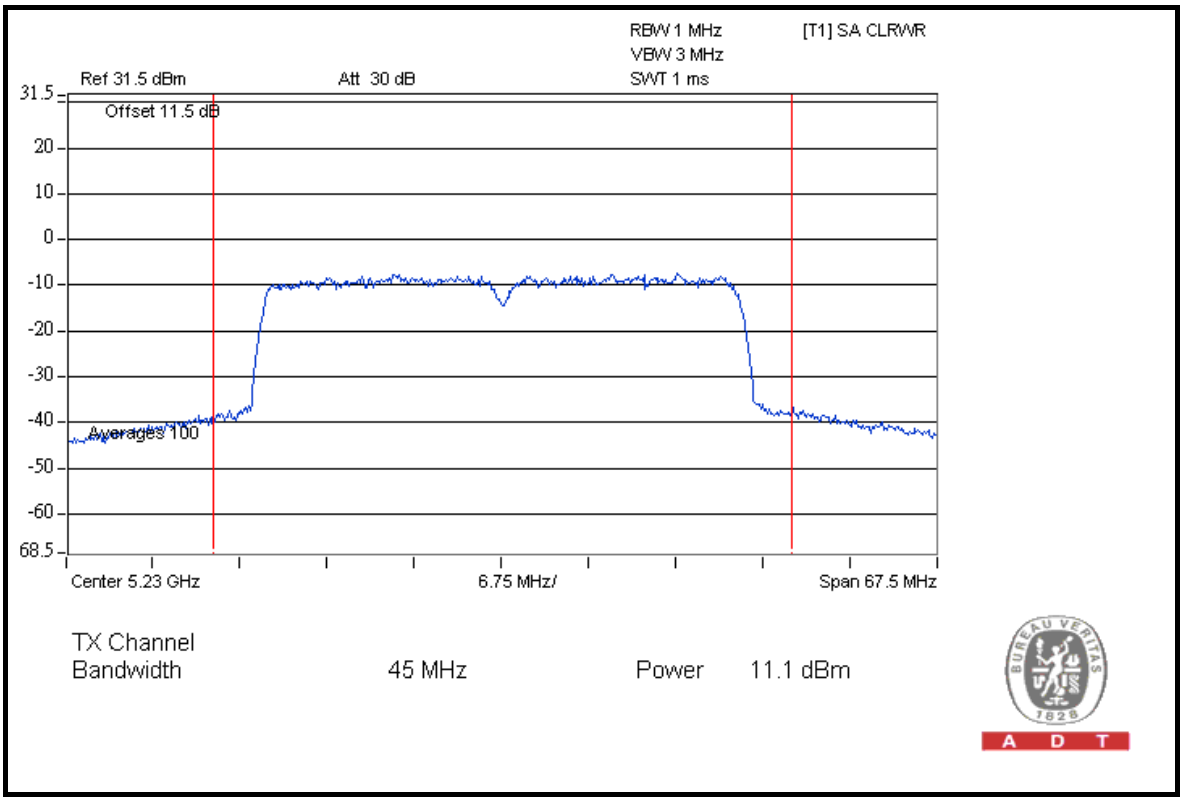
CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)			TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2				
38	5190	11.09	11.10	11.11	38.648	15.87	17	PASS
46	5230	11.10	11.13	11.11	**38.766**	15.88	17	PASS
54	5270	18.55	18.56	18.59	215.67	23.34	24	PASS
62	5310	18.67	18.63	18.60	219.01	23.40	24	PASS
102	5510	18.61	18.61	18.55	216.84	23.36	24	PASS
118	5590	18.65	18.69	18.61	219.85	23.42	24	PASS
134	5670	18.55	18.73	18.64	219.37	23.41	24	PASS

CHAIN 0 CH 38



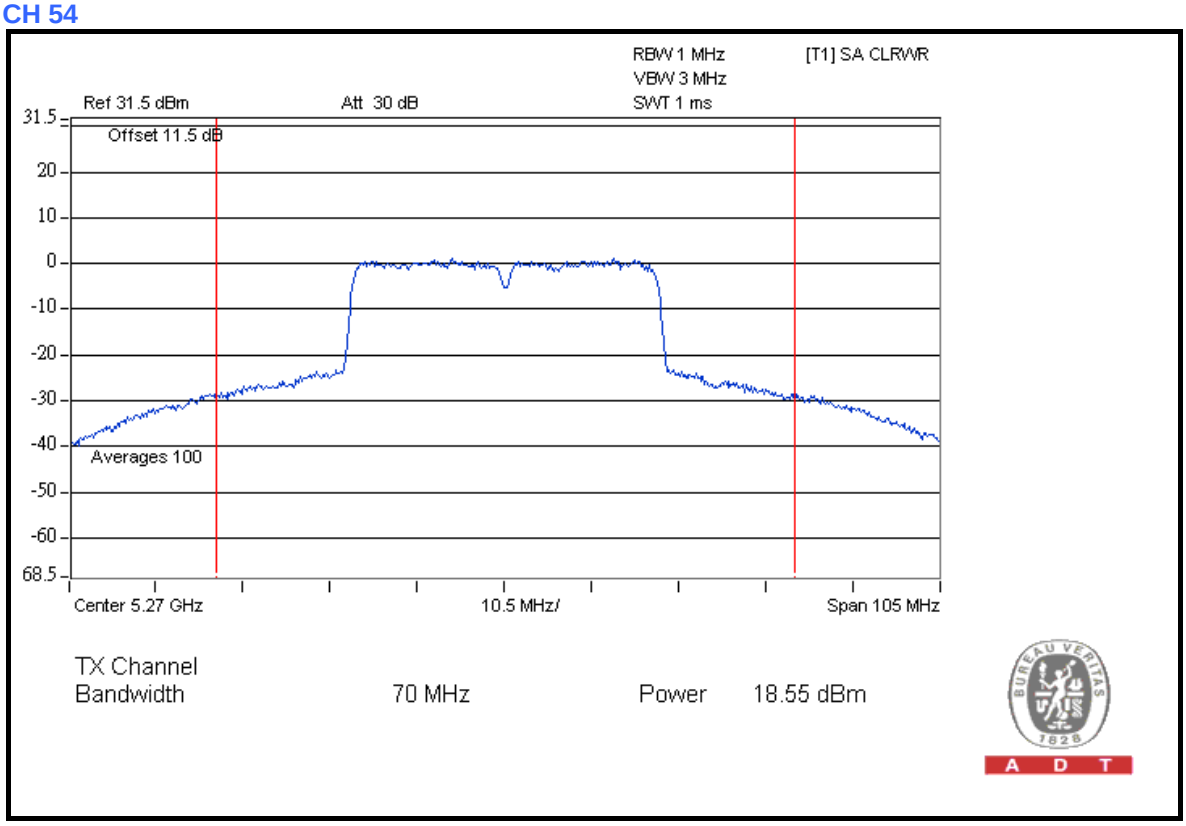
TX Channel Bandwidth 47 MHz Power 11.09 dBm

CH 46



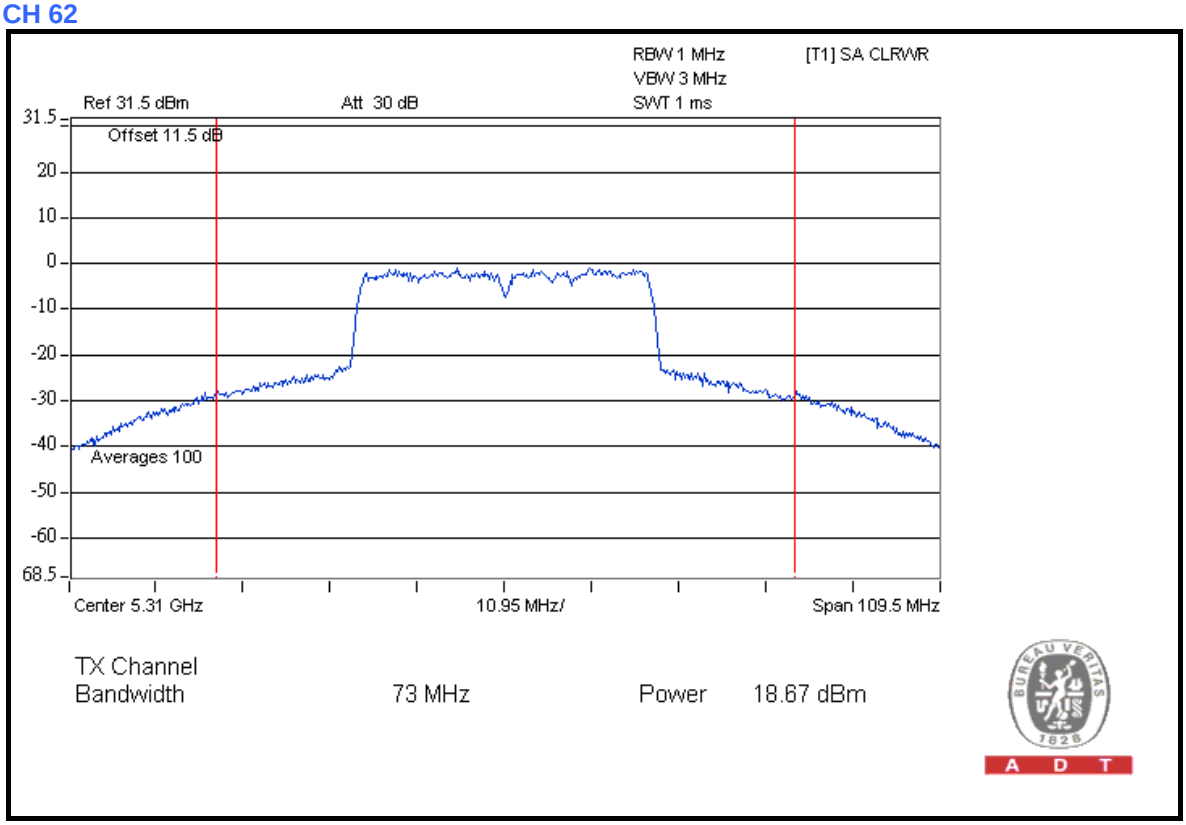
TX Channel Bandwidth 45 MHz Power 11.1 dBm

CH 54



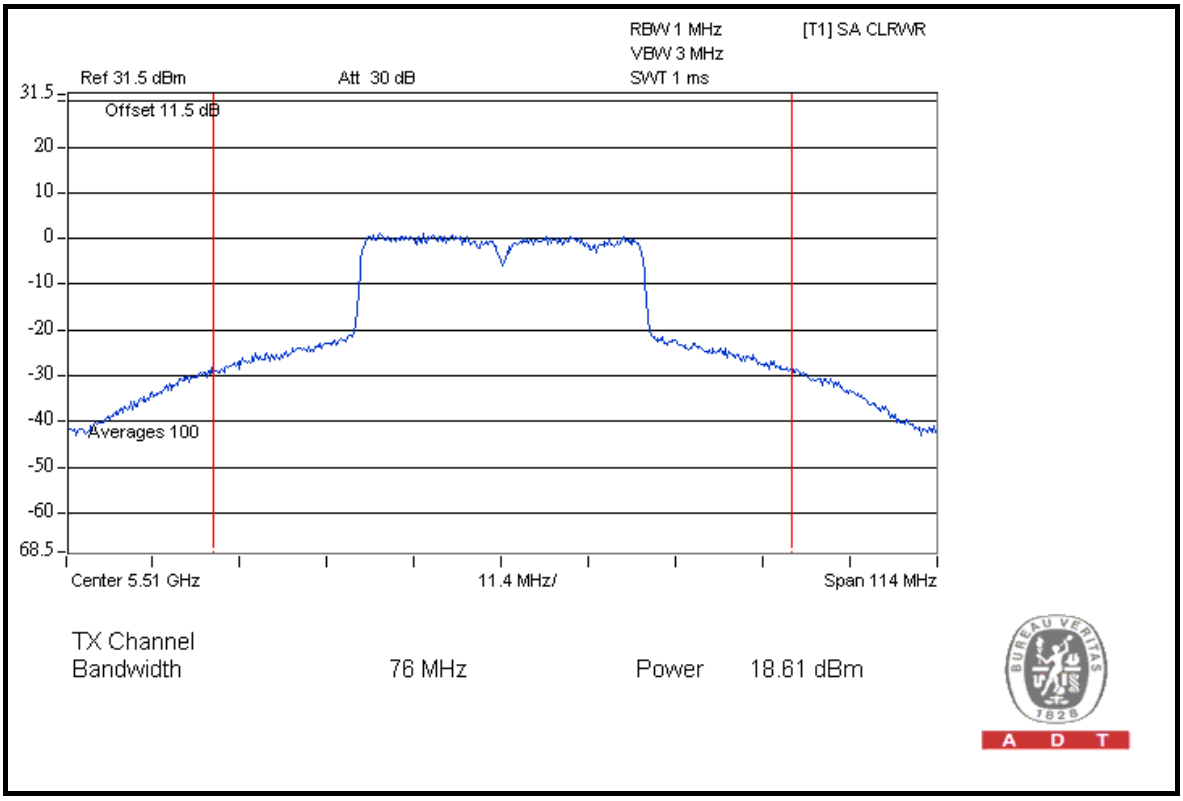
TX Channel Bandwidth 70 MHz Power 18.55 dBm

CH 62



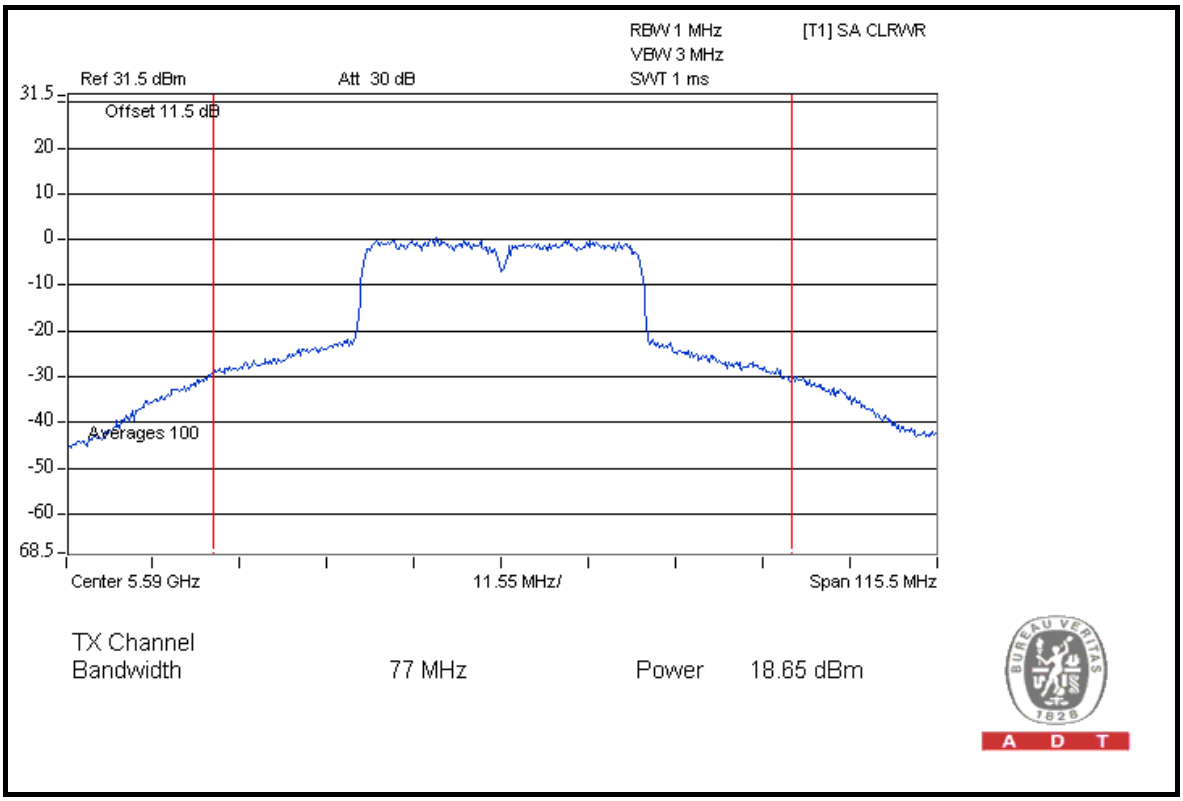
TX Channel Bandwidth 73 MHz Power 18.67 dBm

CH 102



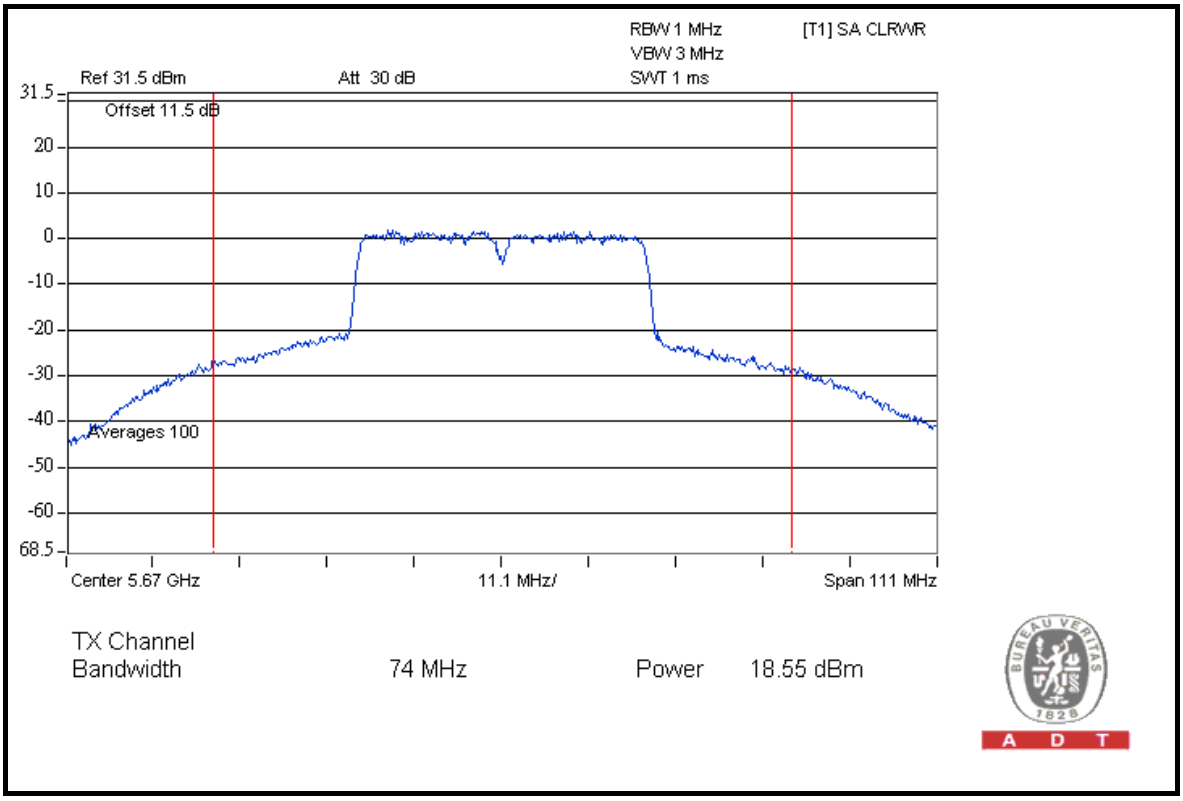
TX Channel Bandwidth 76 MHz Power 18.61 dBm

CH 118



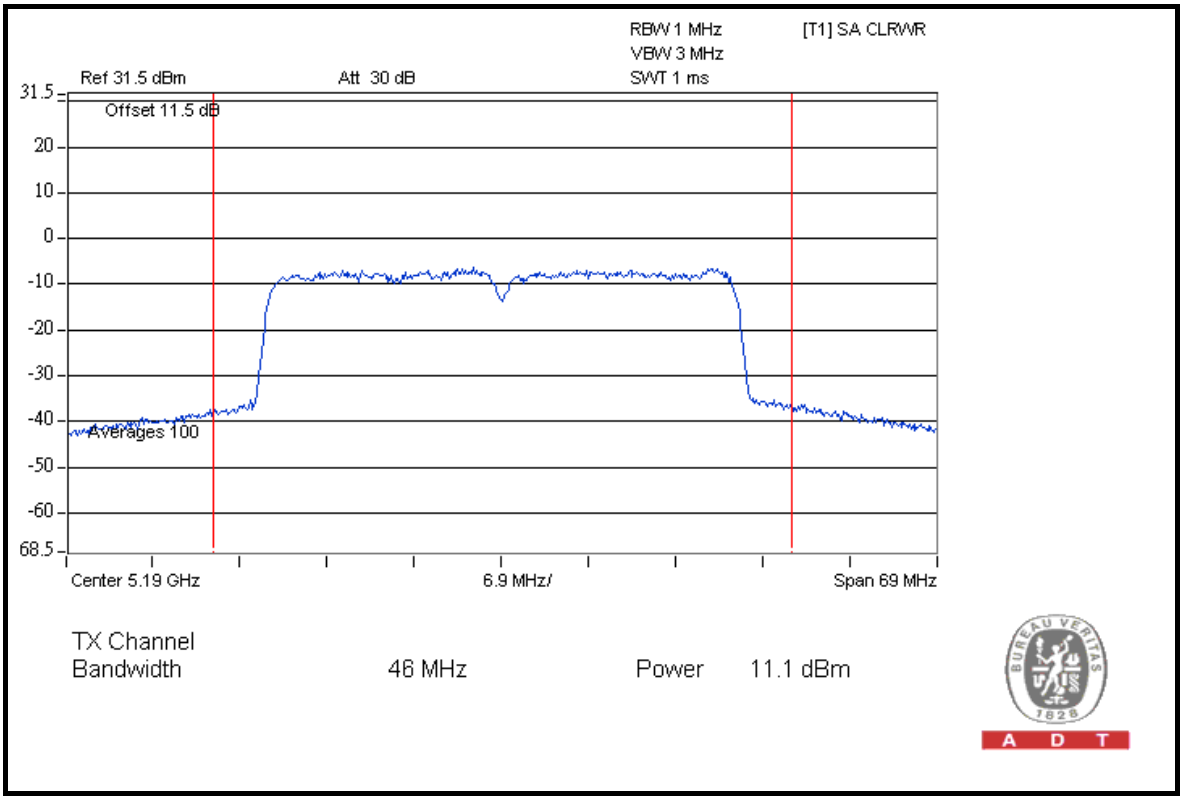
TX Channel Bandwidth 77 MHz Power 18.65 dBm

CH 134



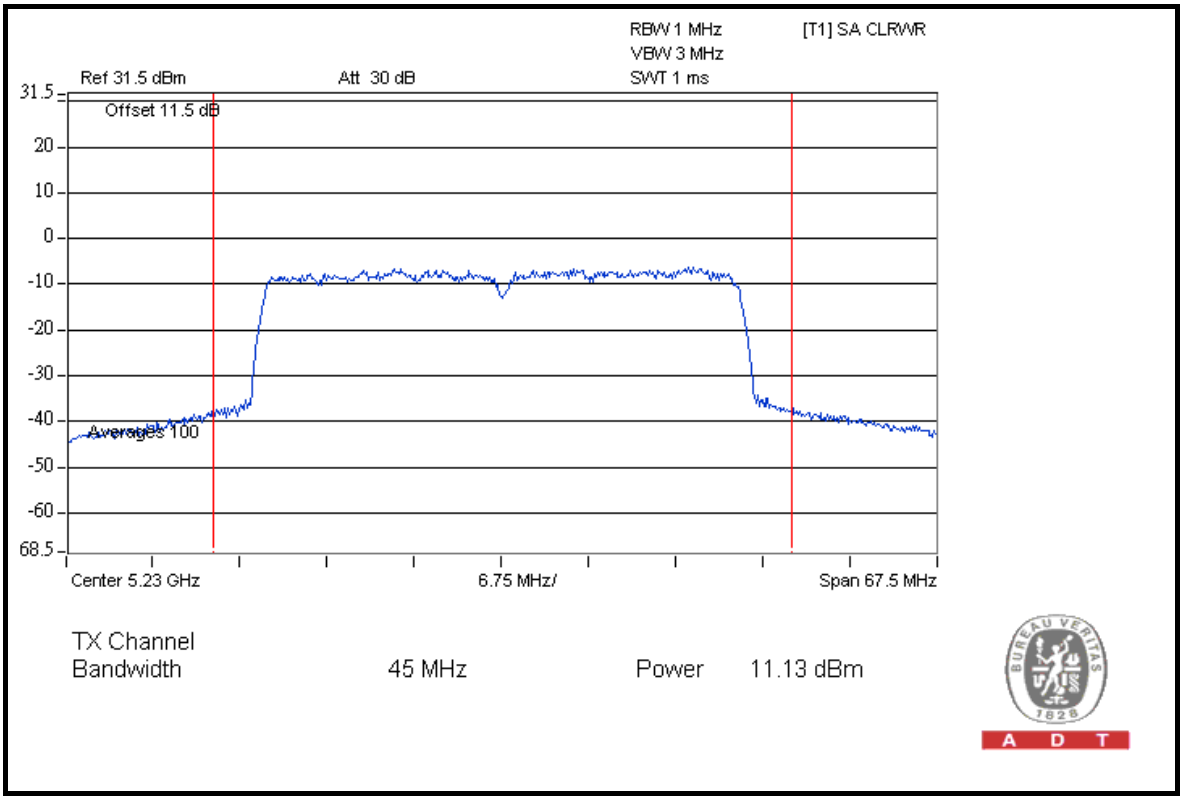
TX Channel Bandwidth 74 MHz Power 18.55 dBm

CHAIN 1 CH 38



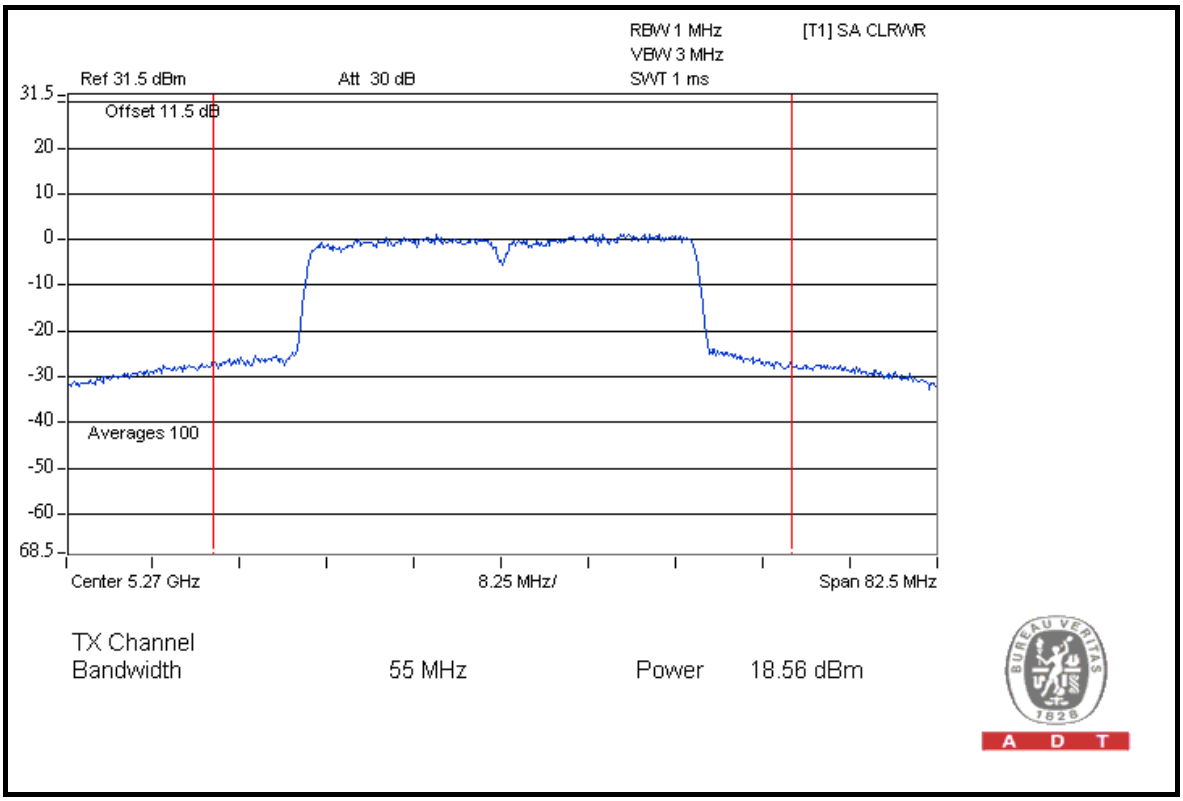
TX Channel Bandwidth 46 MHz Power 11.1 dBm

CH 46



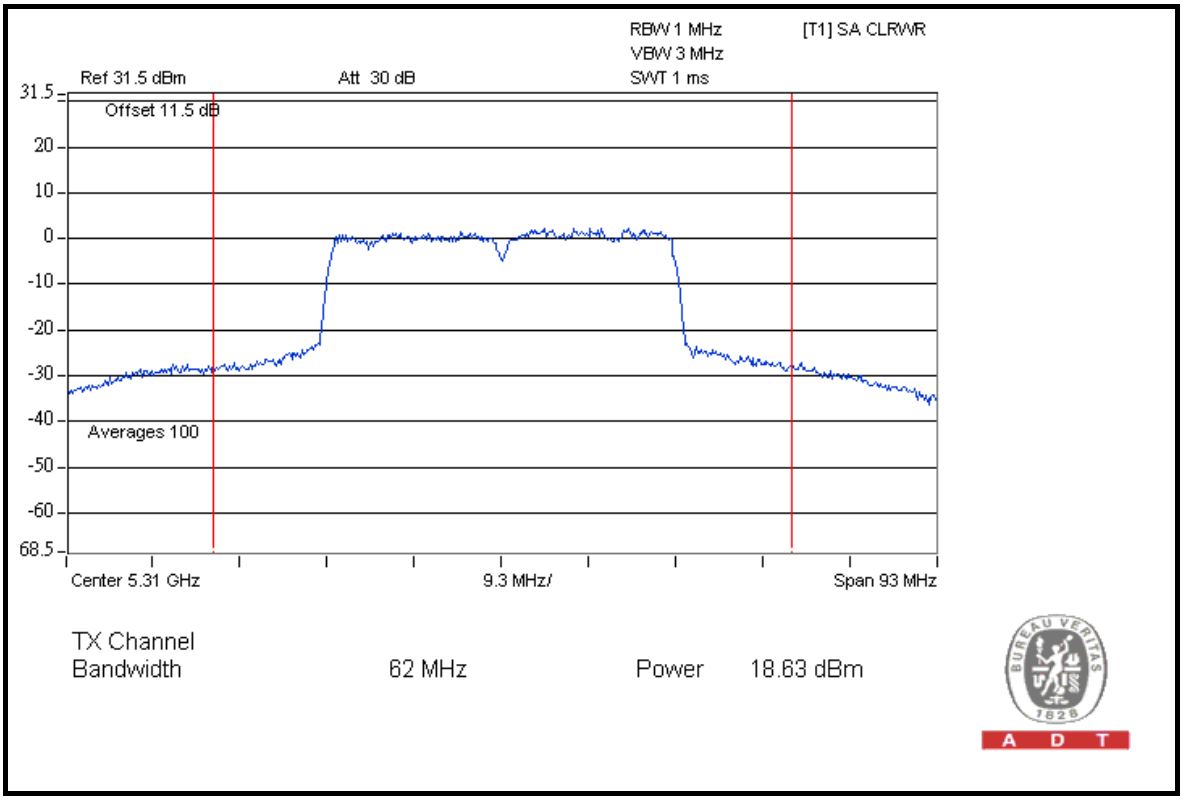
TX Channel Bandwidth 45 MHz Power 11.13 dBm

CH 54



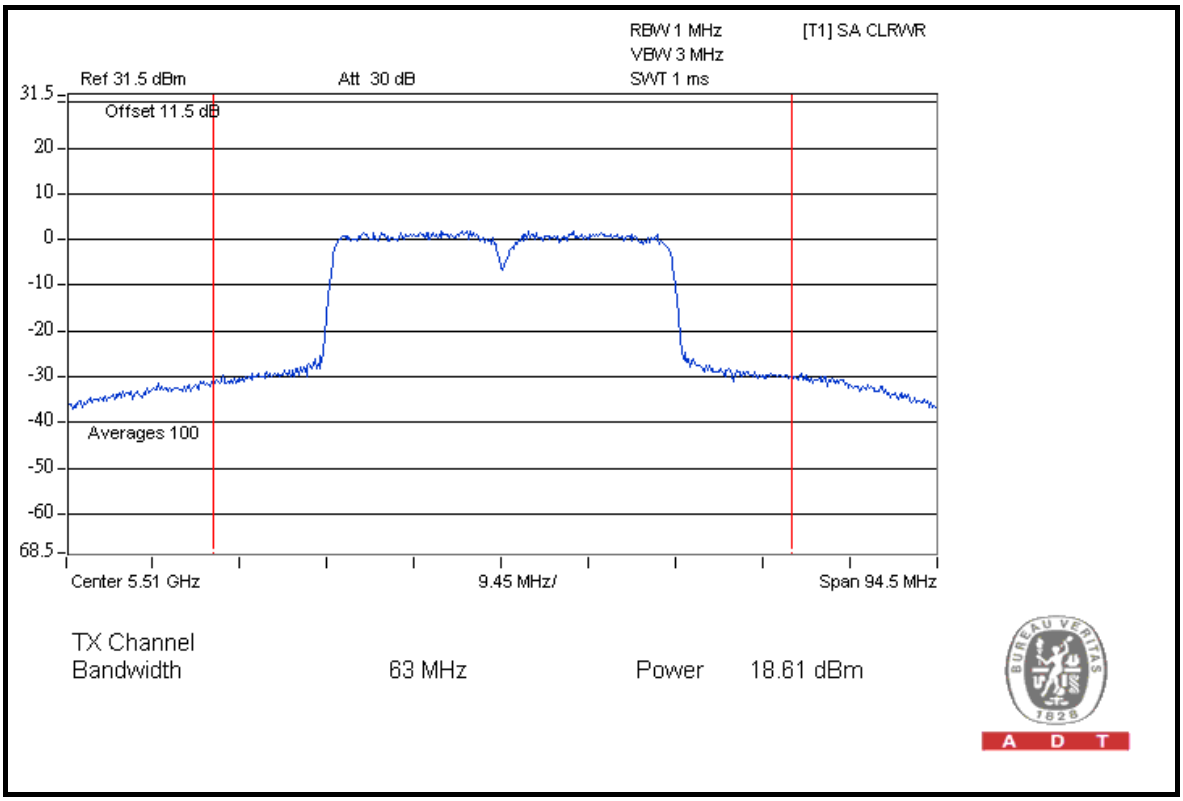
TX Channel Bandwidth 55 MHz Power 18.56 dBm

CH 62



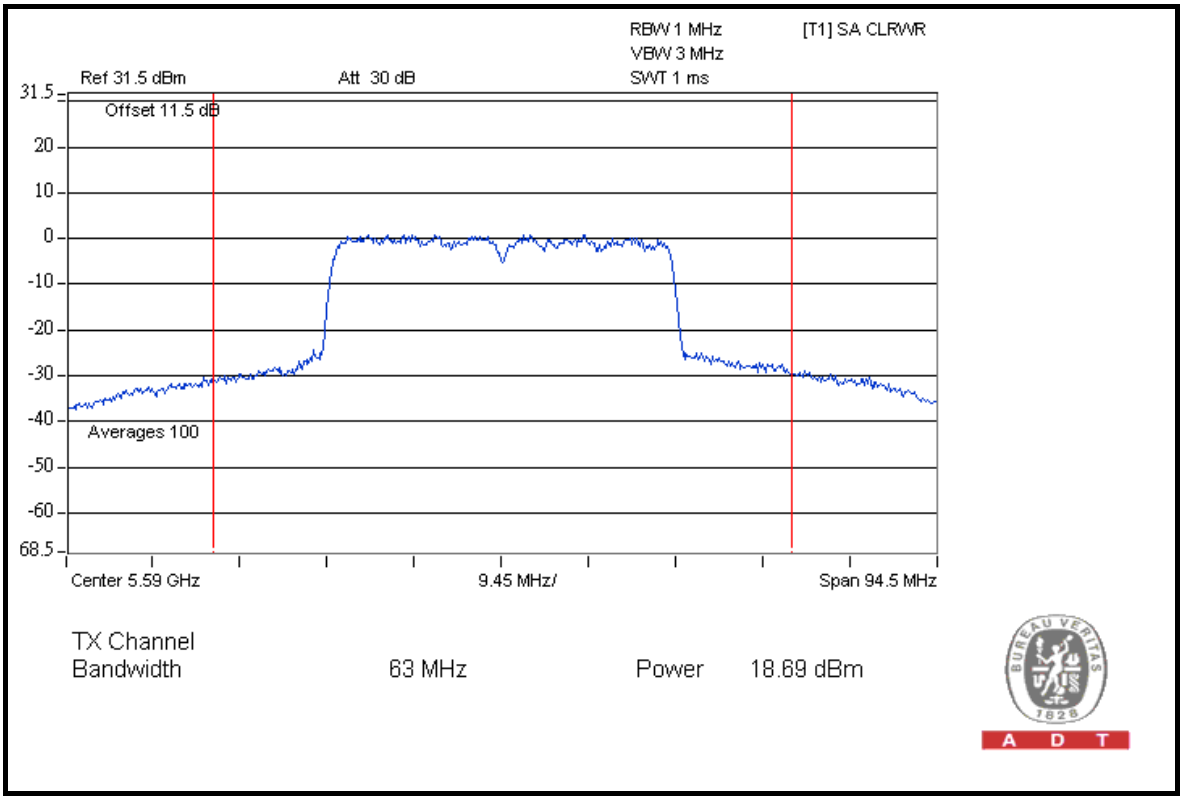
TX Channel Bandwidth 62 MHz Power 18.63 dBm

CH 102

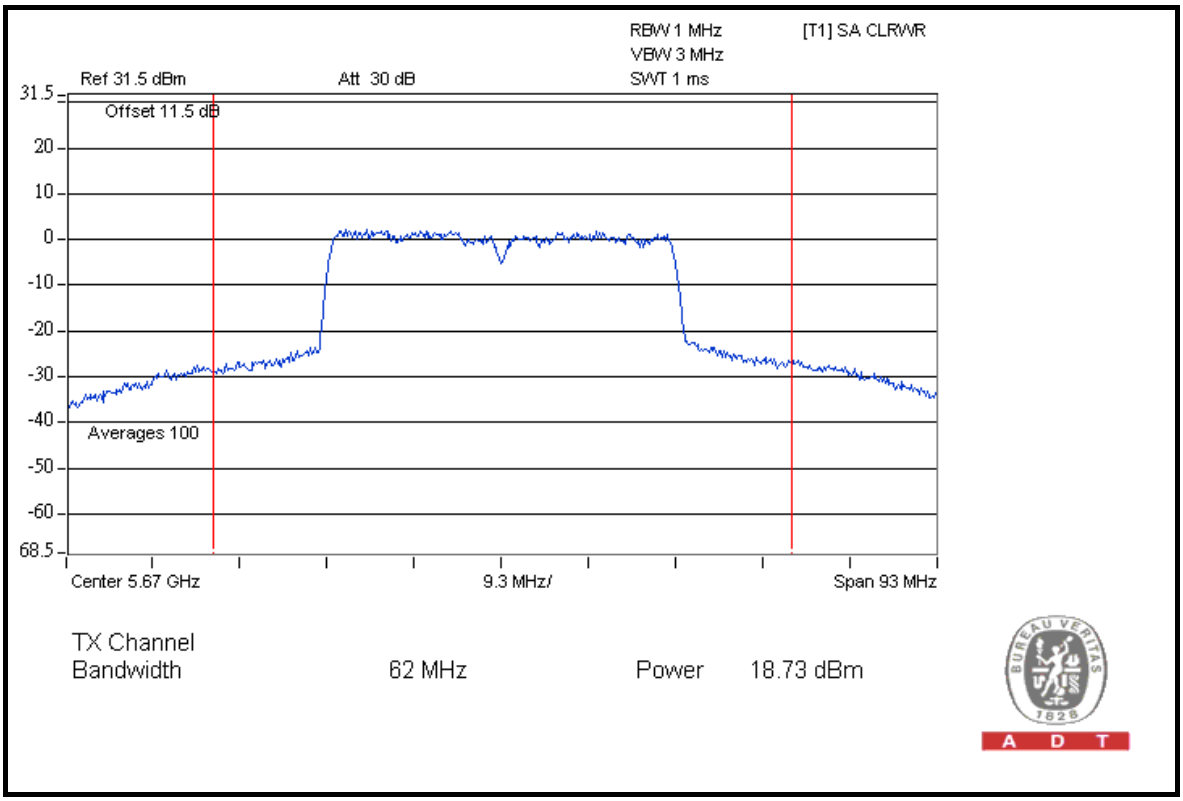


TX Channel Bandwidth 63 MHz Power 18.61 dBm

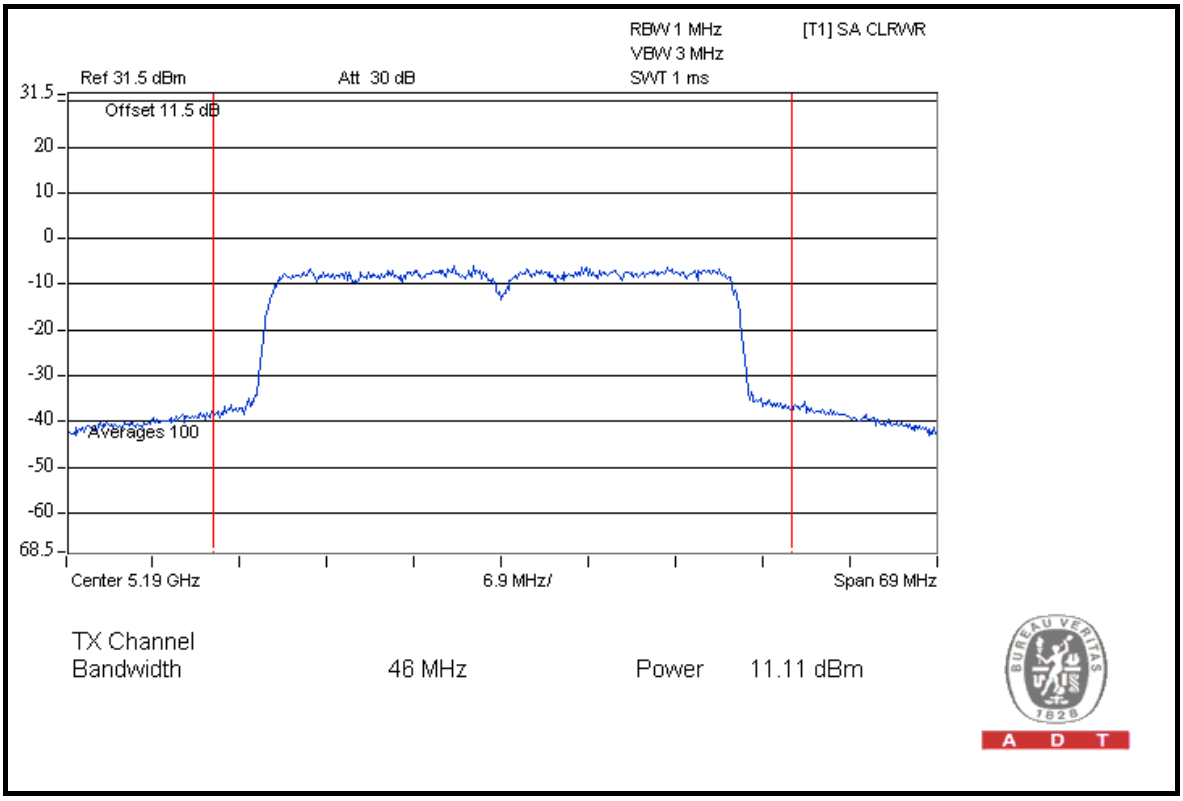
CH 118


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.59 GHz
9.45 MHz/
Span 94.5 MHz
TX Channel Bandwidth
63 MHz
Power
18.69 dBm

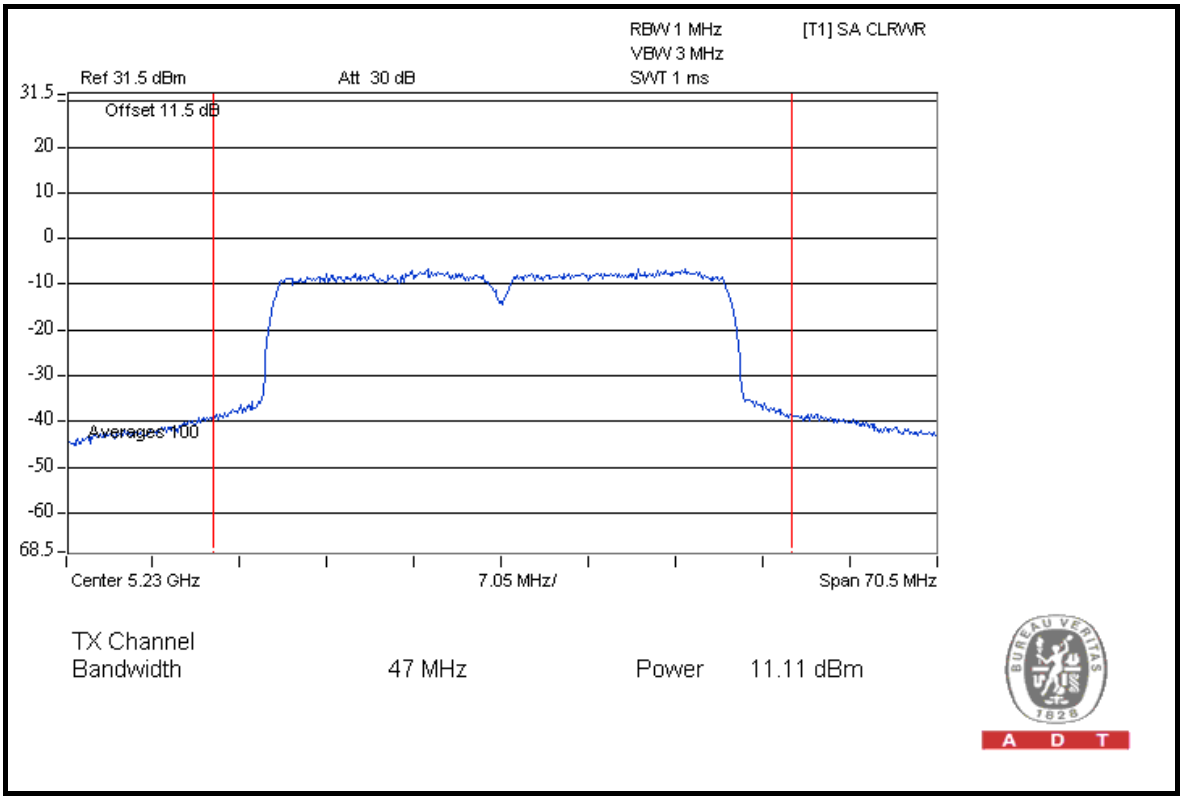
CH 134


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.67 GHz
9.3 MHz/
Span 93 MHz
TX Channel Bandwidth
62 MHz
Power
18.73 dBm

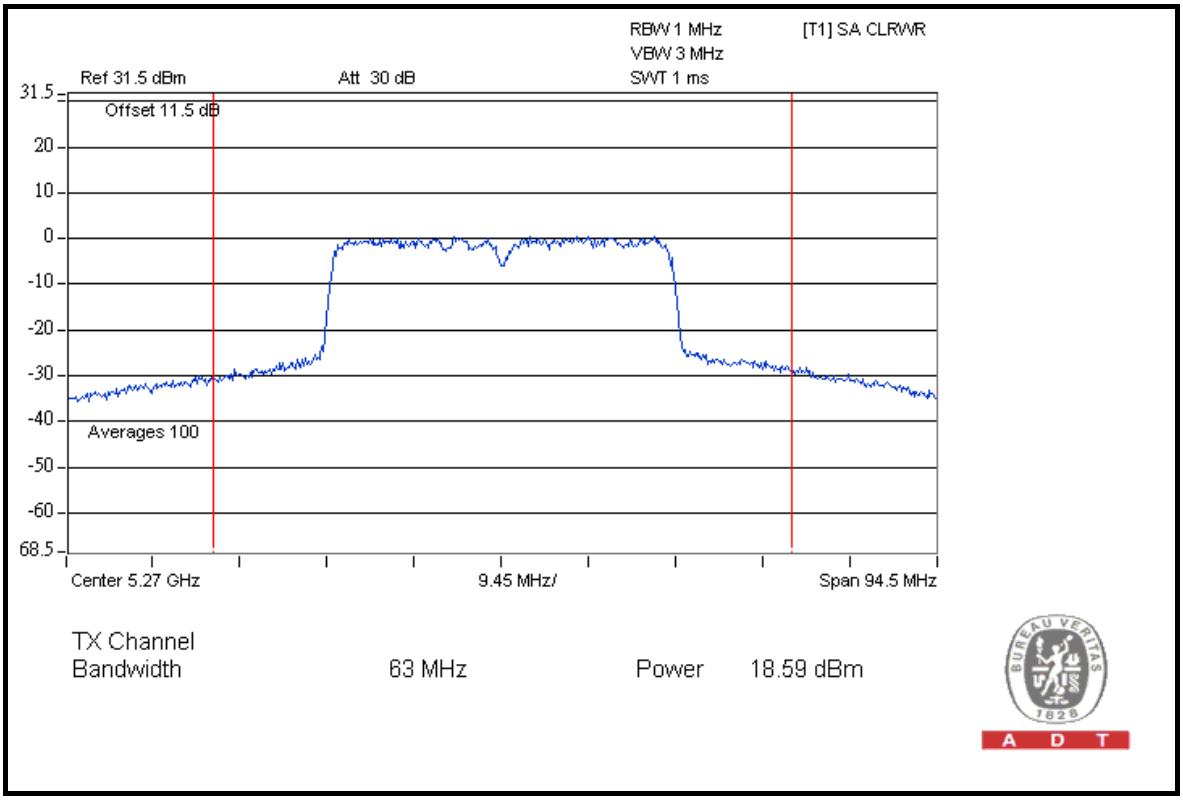
CHAIN 2 CH 38



CH 46

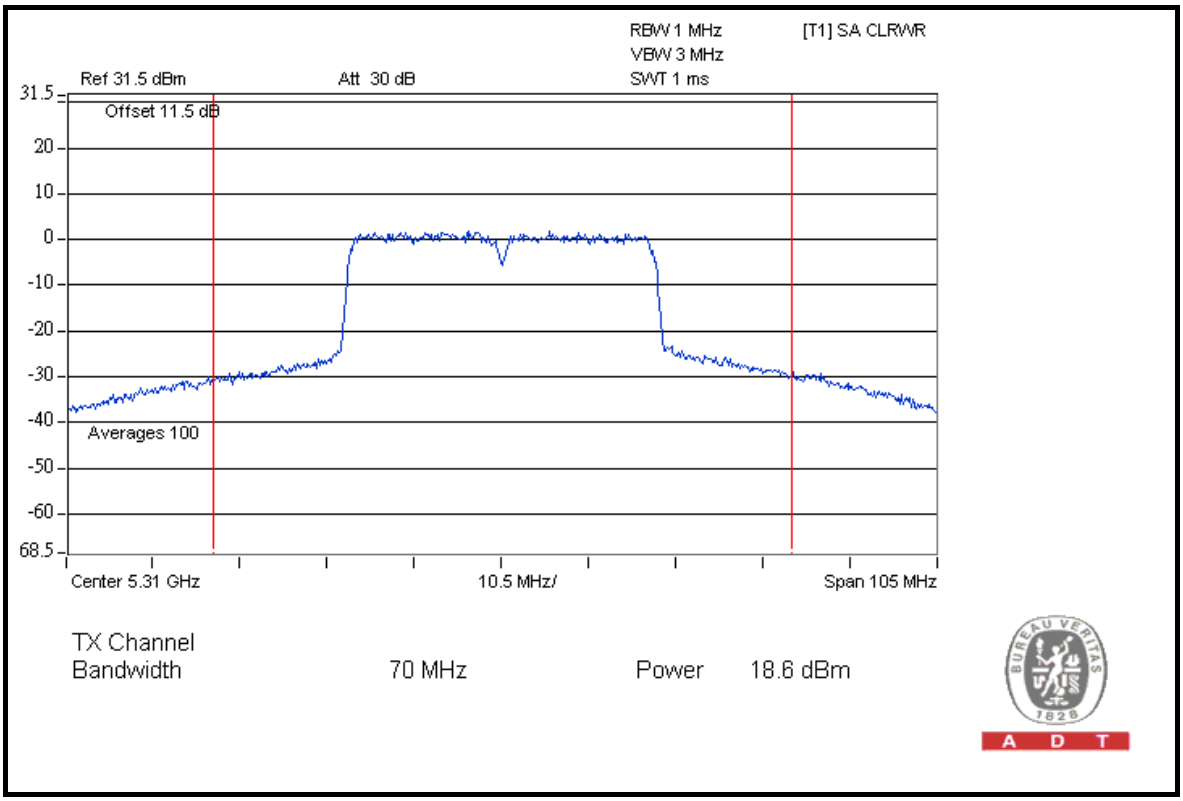


CH 54



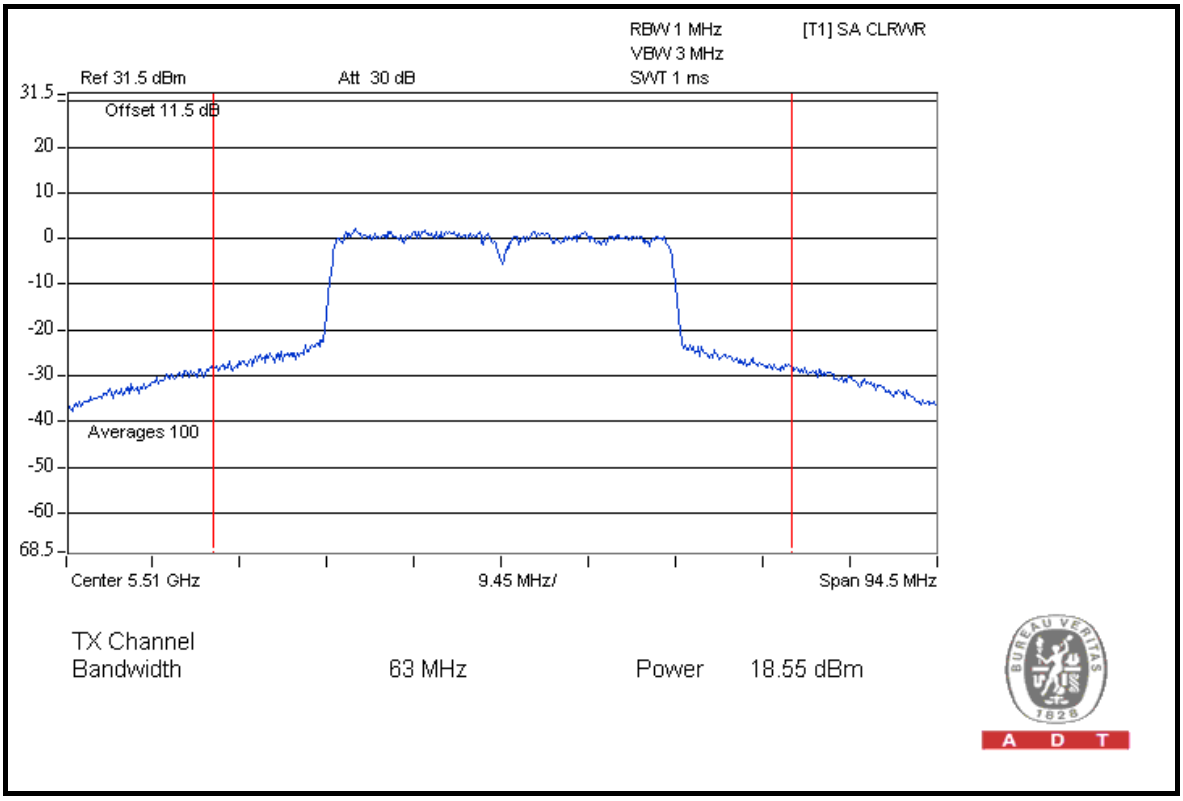
TX Channel Bandwidth 63 MHz Power 18.59 dBm

CH 62



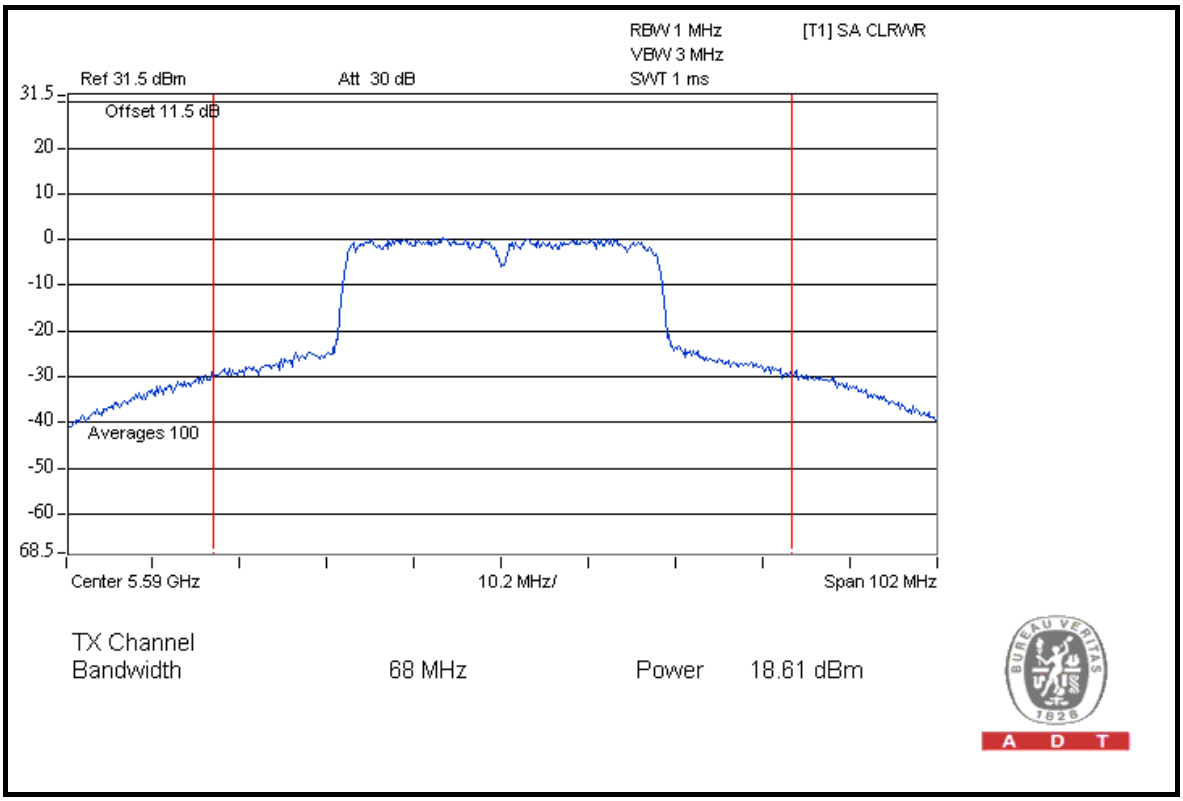
TX Channel Bandwidth 70 MHz Power 18.6 dBm

CH 102



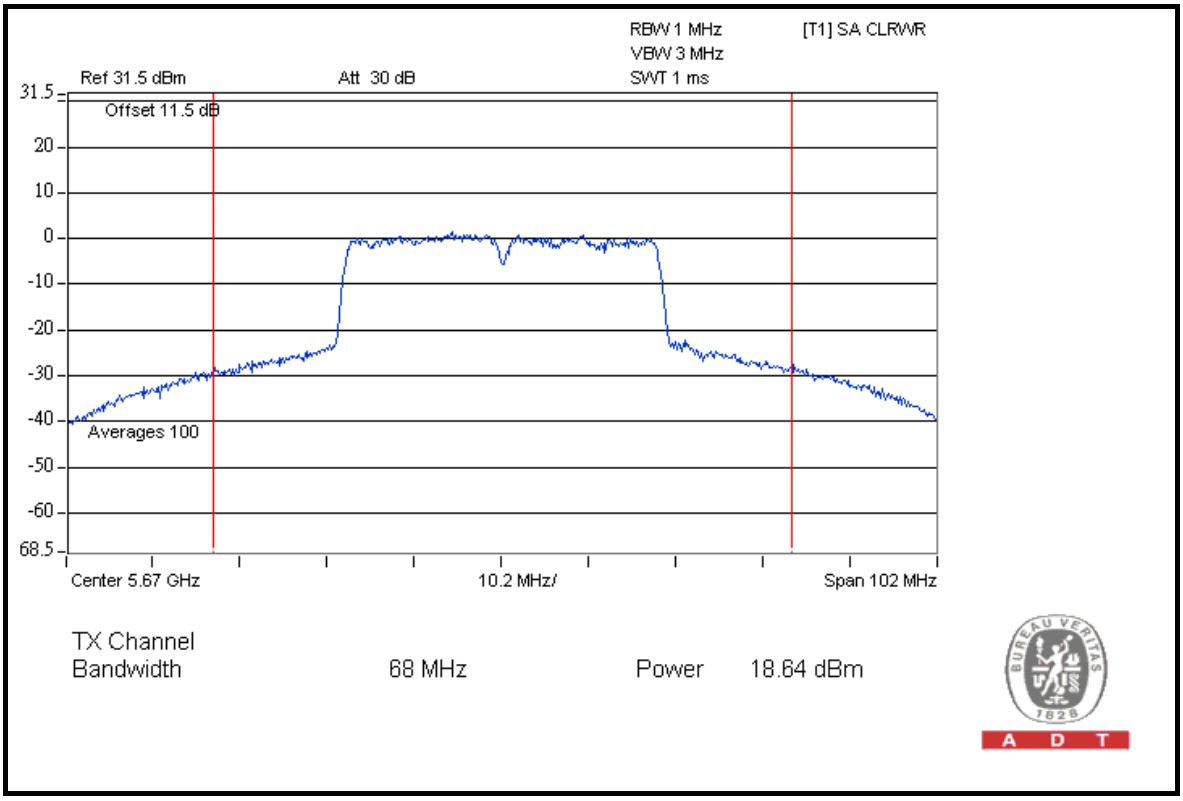
TX Channel Bandwidth 63 MHz Power 18.55 dBm

CH 118



TX Channel Bandwidth 68 MHz Power 18.61 dBm

CH 134


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.67 GHz
10.2 MHz/
Span 102 MHz
TX Channel
Bandwidth
68 MHz
Power
18.64 dBm

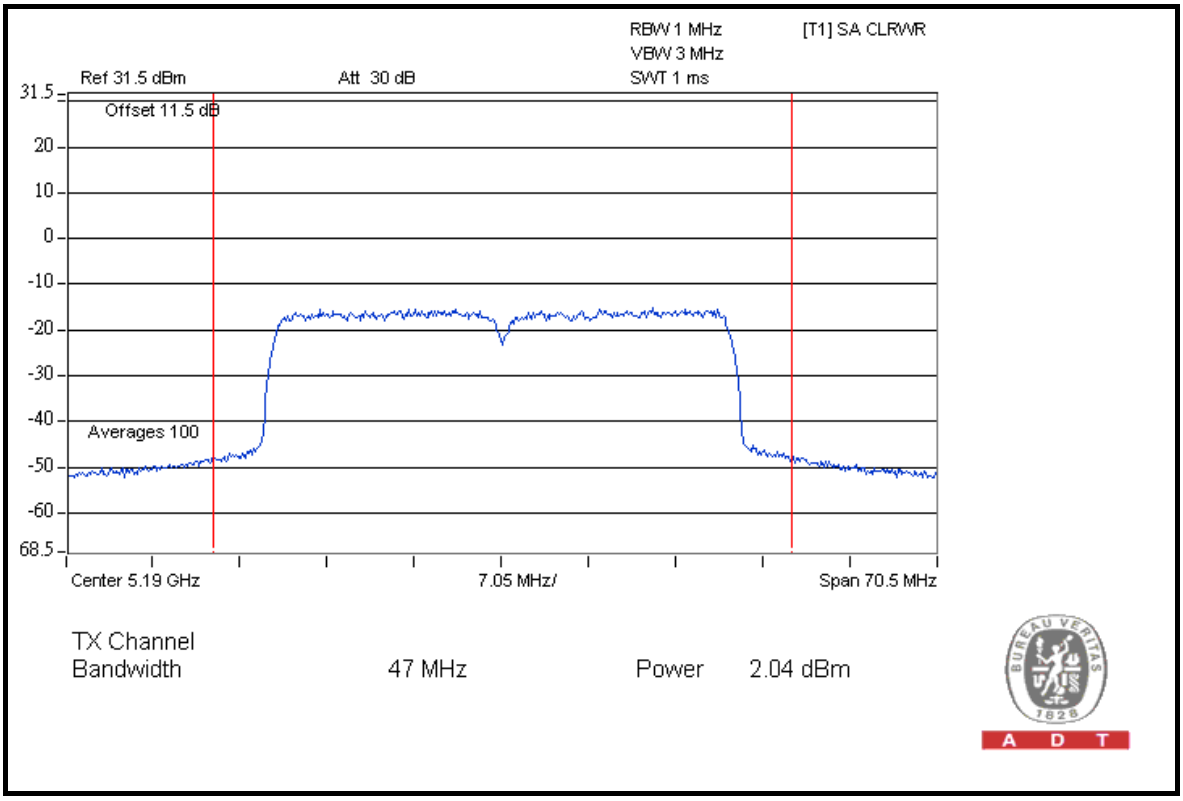
DRAFT 802.11n (40MHz) OFDM MODULATION

MODULATION TYPE	BPSK	**TRANSFER RATE**	13.5Mbps
INPUT POWER (SYSTEM)	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25deg.C, 65%RH, 991hPa
TESTED BY	Brad Wu	**TEST MODE**	C

CHAN.	CHAN. FREQ. (MHz)	POWER OUTPUT (dBm)		TOTAL POWER (mW)	TOTAL POWER (dBm)	POWER LIMIT (dBm)	PASS / FAIL
		CHAIN 0	CHAIN 1				
38	5190	2.04	2.08	3.214	5.07	9	PASS
46	5230	2.14	2.10	3.259	5.13	9	PASS
54	5270	12.33	12.38	34.40	15.37	16	PASS
62	5310	12.42	12.28	34.36	15.36	16	PASS
102	5510	12.32	12.41	34.48	15.38	16	PASS
118	5590	12.36	12.42	34.68	15.40	16	PASS
134	5670	12.39	12.37	34.60	15.39	16	PASS

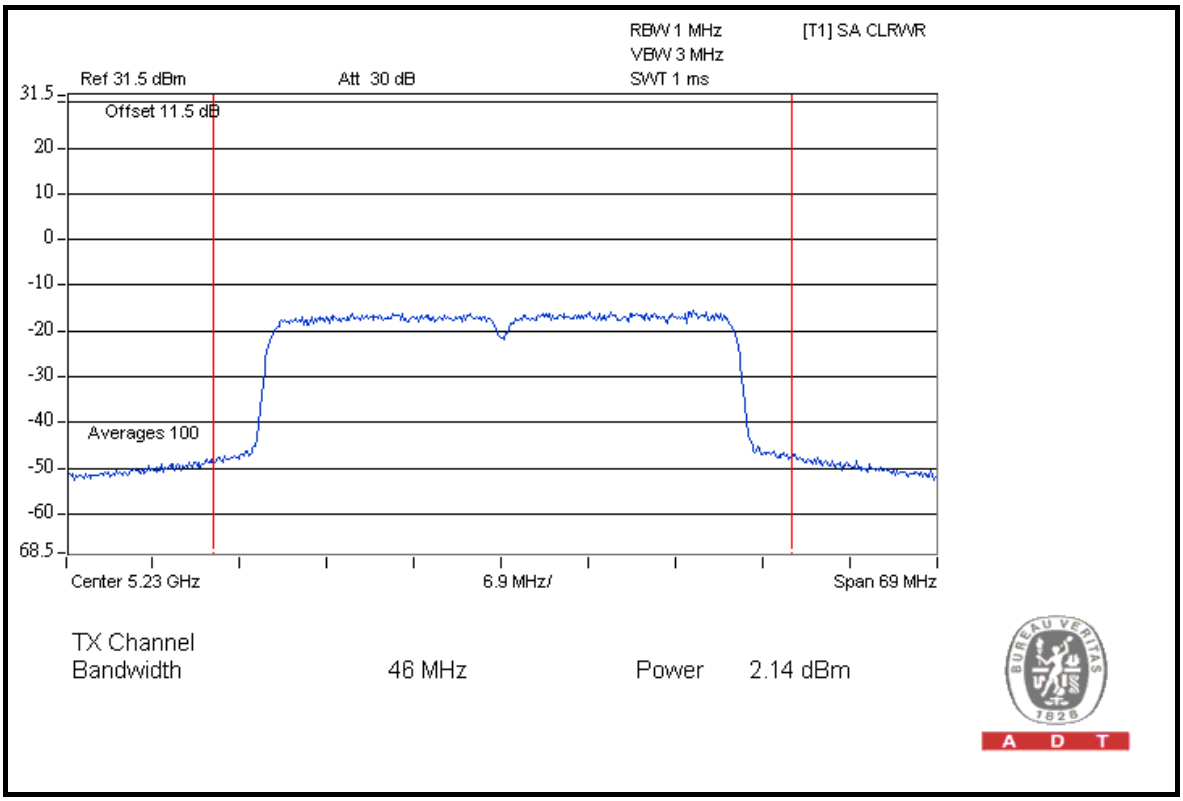
NOTE: According to 15.407 (a) (1) (2), the maximum antenna gain 14dBi is higher than 6dBi, so the limit of output power shall be reduced by 8 dB.

CHAIN 0 CH 38



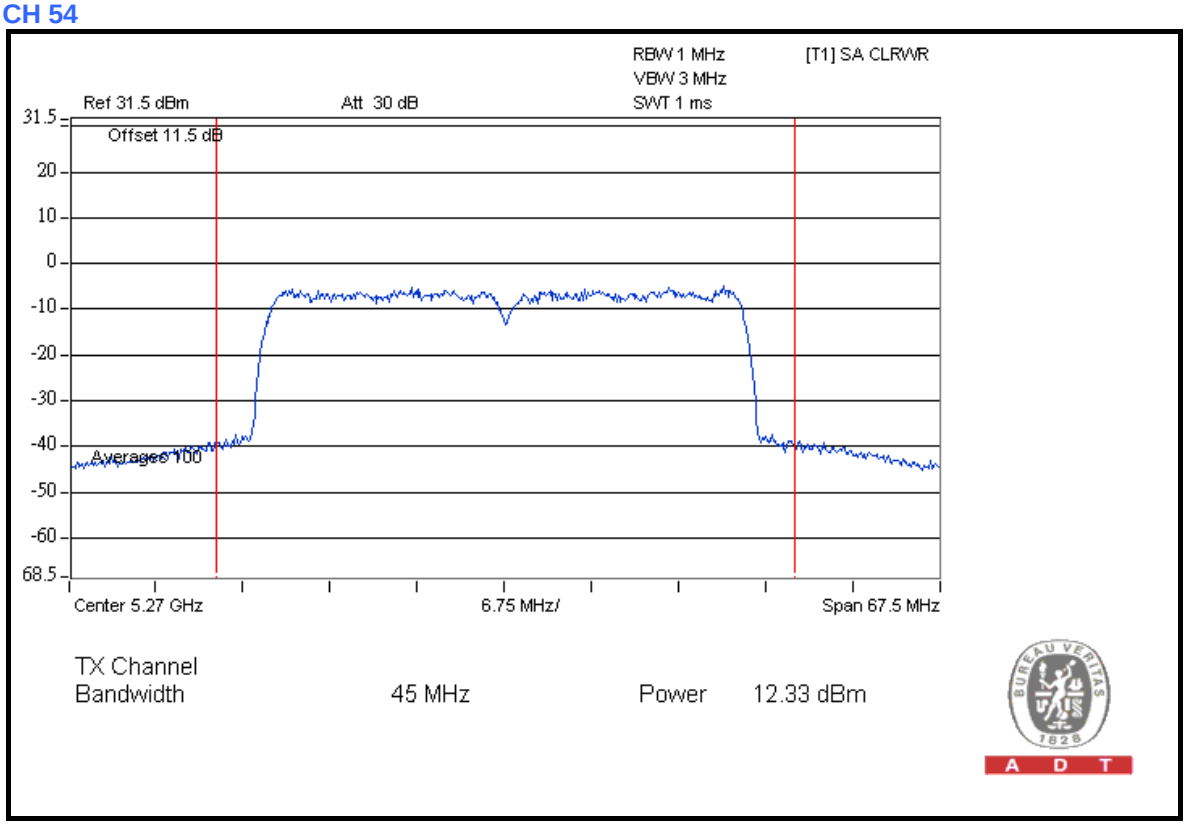
TX Channel Bandwidth 47 MHz Power 2.04 dBm

CH 46

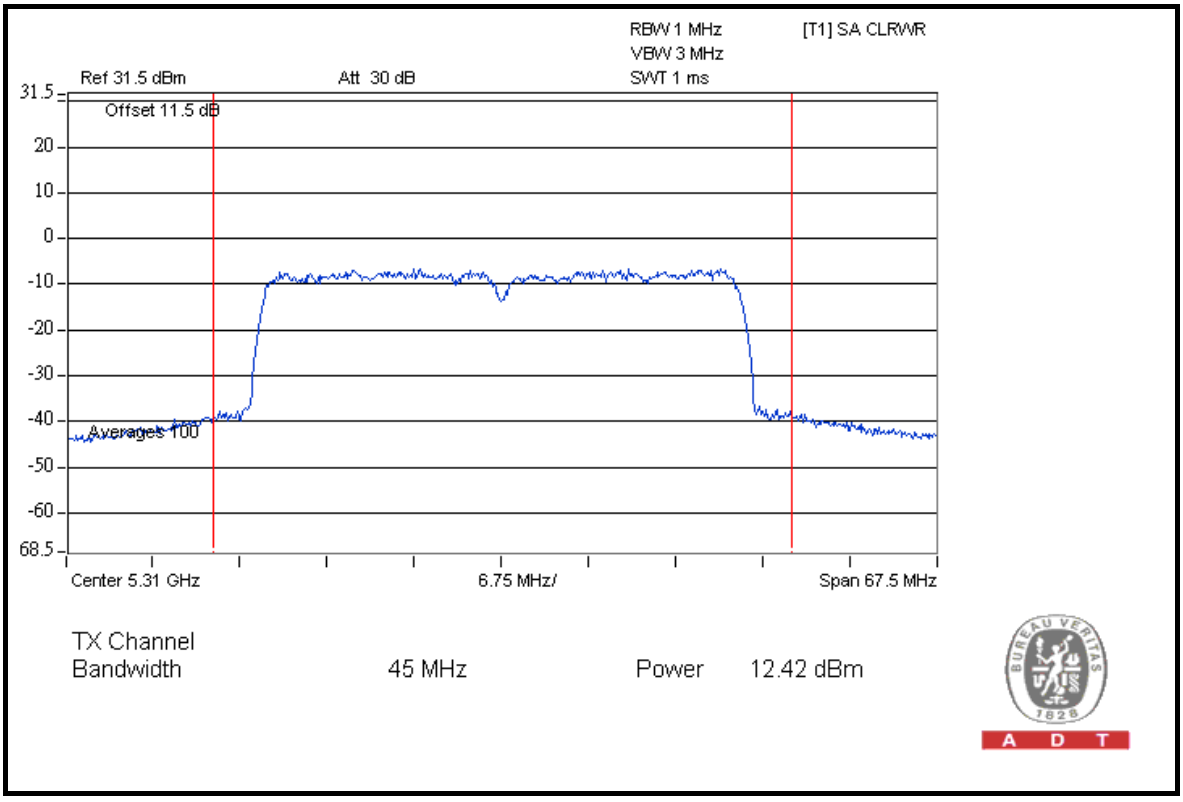


TX Channel Bandwidth 46 MHz Power 2.14 dBm

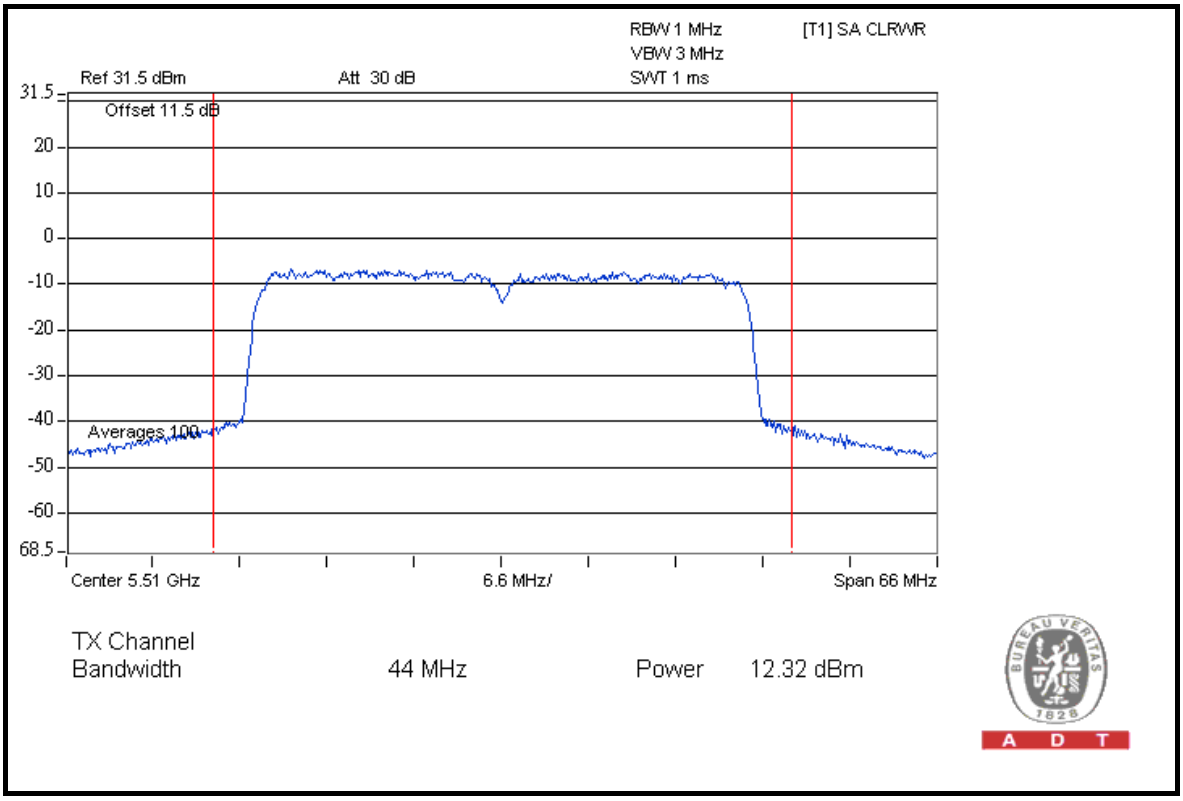
CH 54


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.27 GHz
6.75 MHz/
Span 67.5 MHz
TX Channel Bandwidth
45 MHz
Power
12.33 dBm

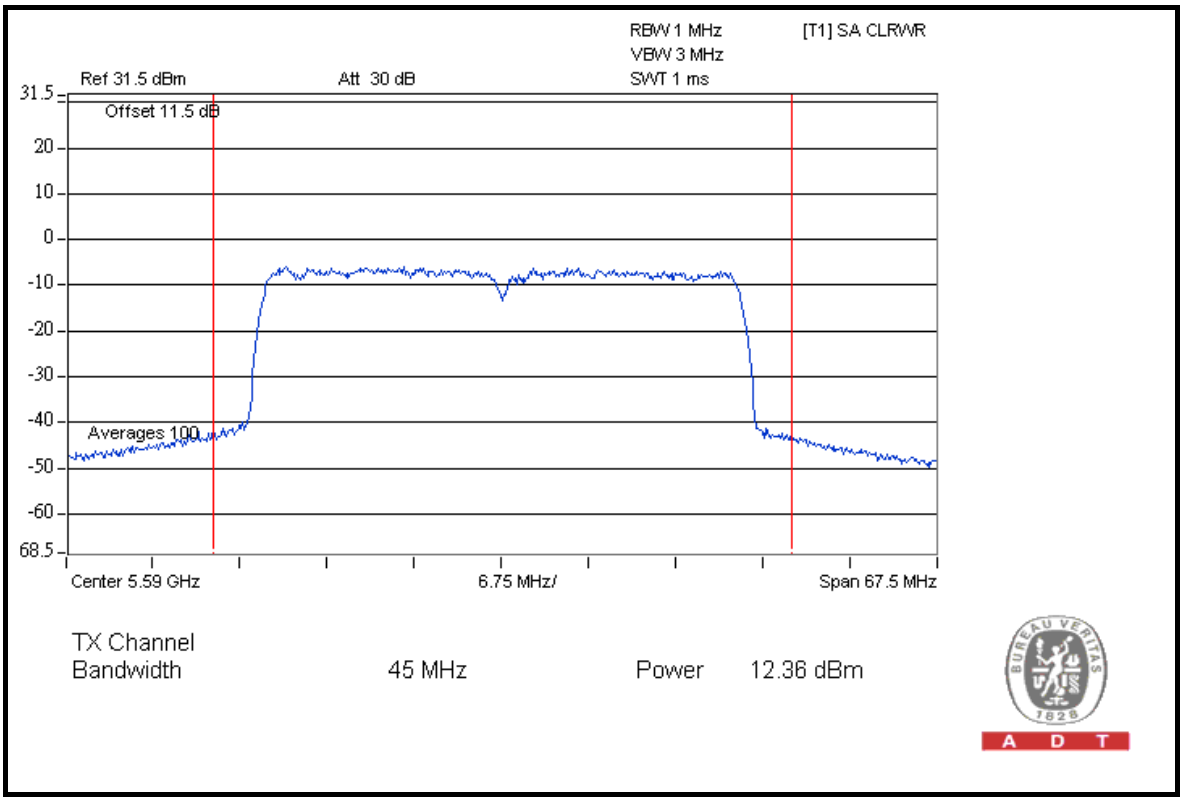
CH 62


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.31 GHz
6.75 MHz/
Span 67.5 MHz
TX Channel Bandwidth
45 MHz
Power
12.42 dBm

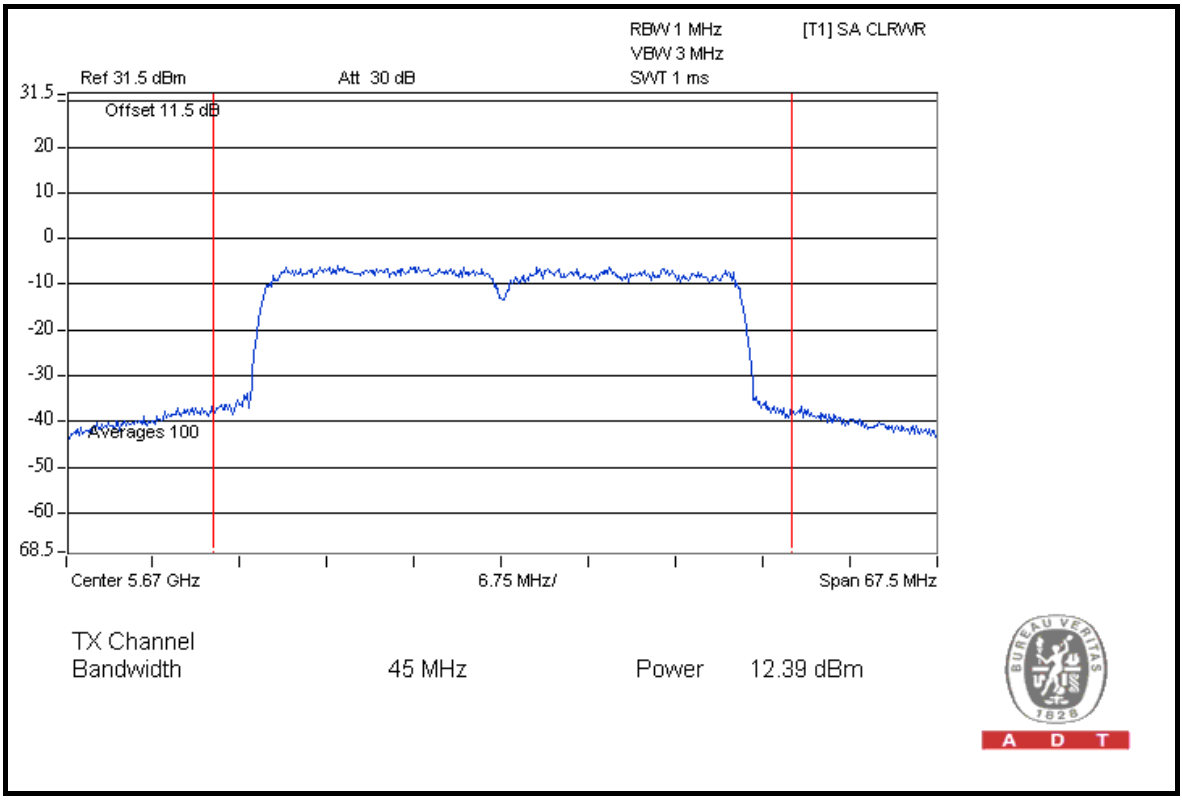
CH 102


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.51 GHz
6.6 MHz/
Span 66 MHz
TX Channel Bandwidth
44 MHz
Power
12.32 dBm

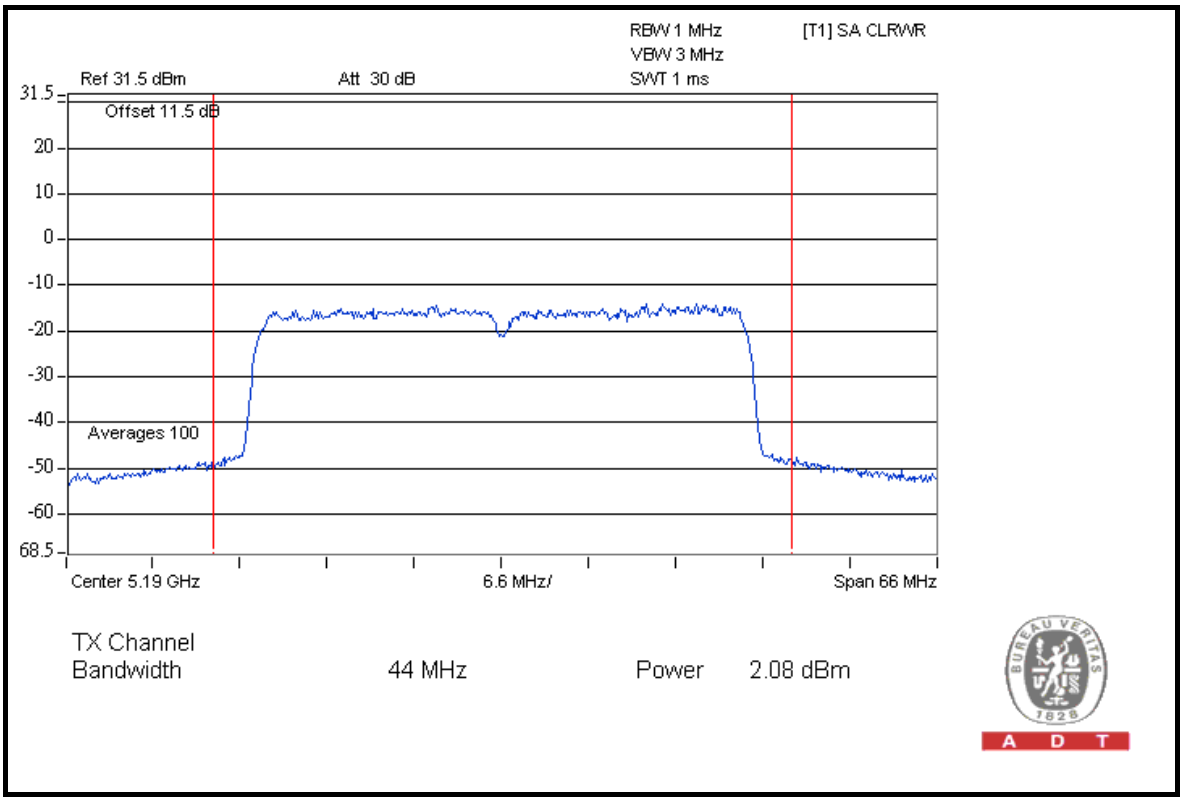
CH 118


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.59 GHz
6.75 MHz/
Span 67.5 MHz
TX Channel Bandwidth
45 MHz
Power
12.36 dBm

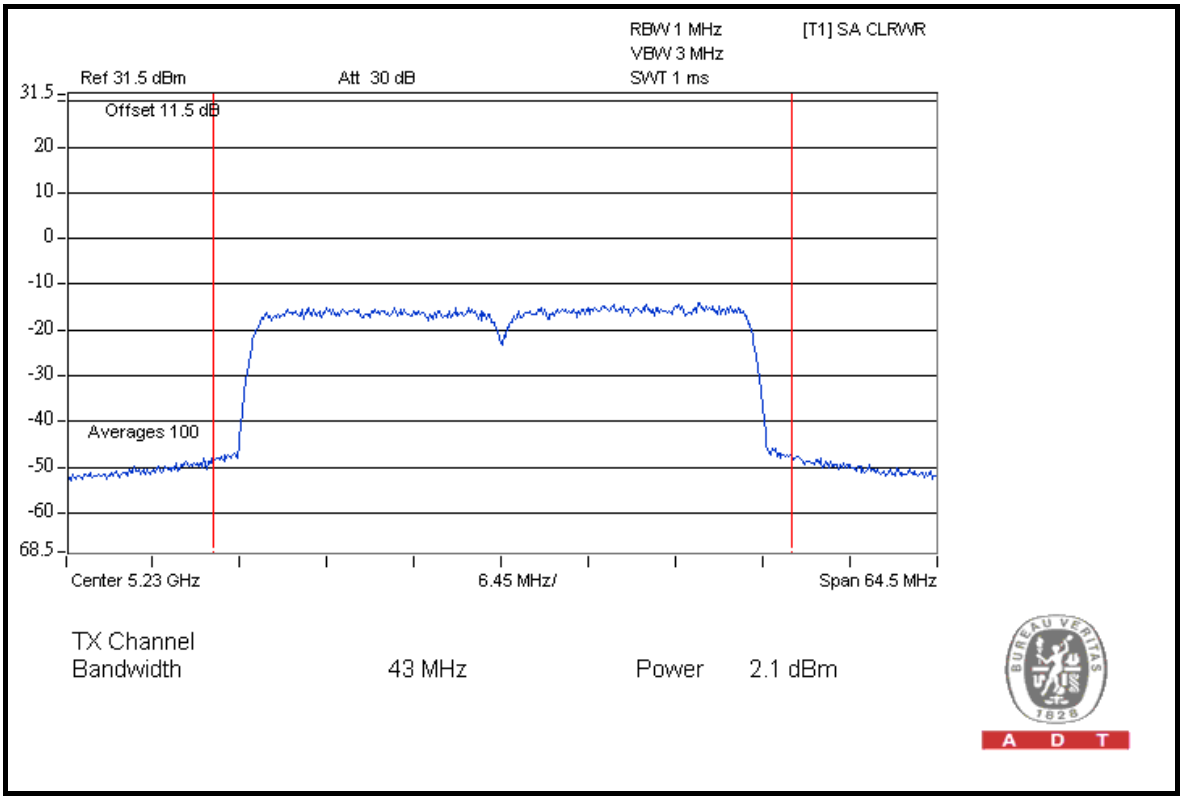
CH 134



CHAIN 1 CH 38

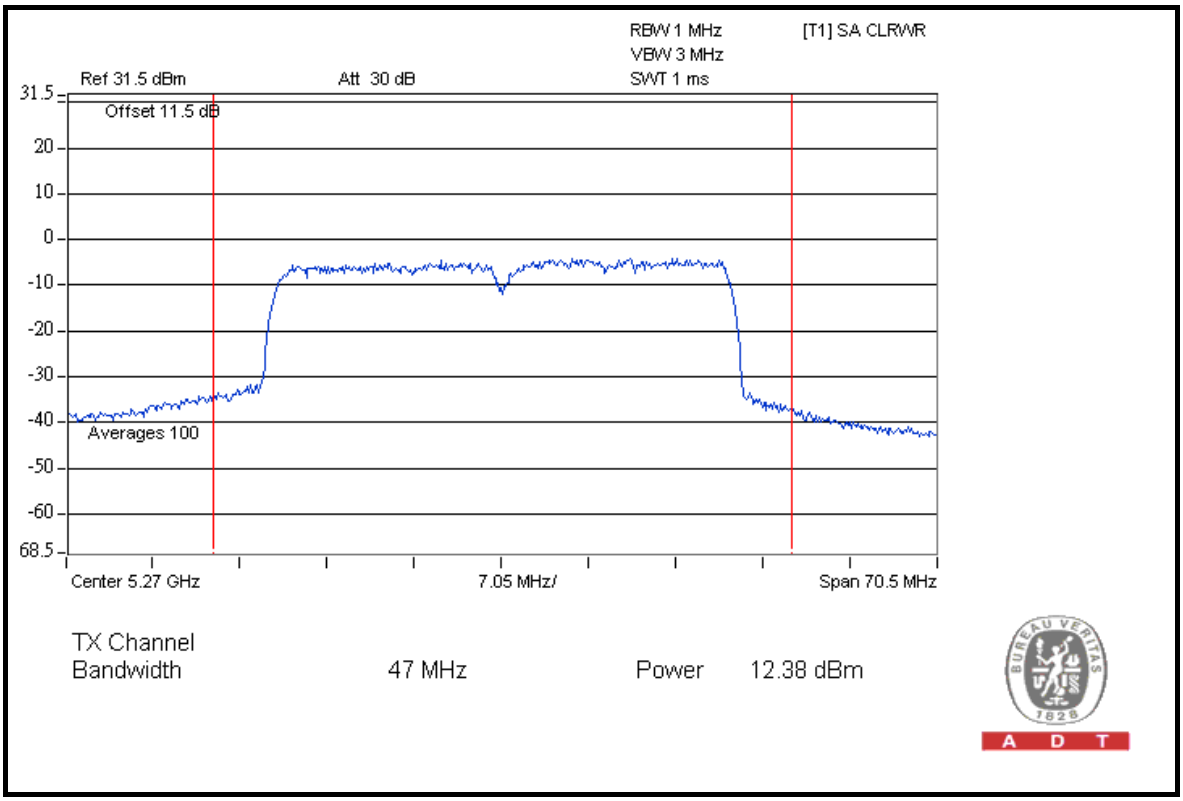


CH 46



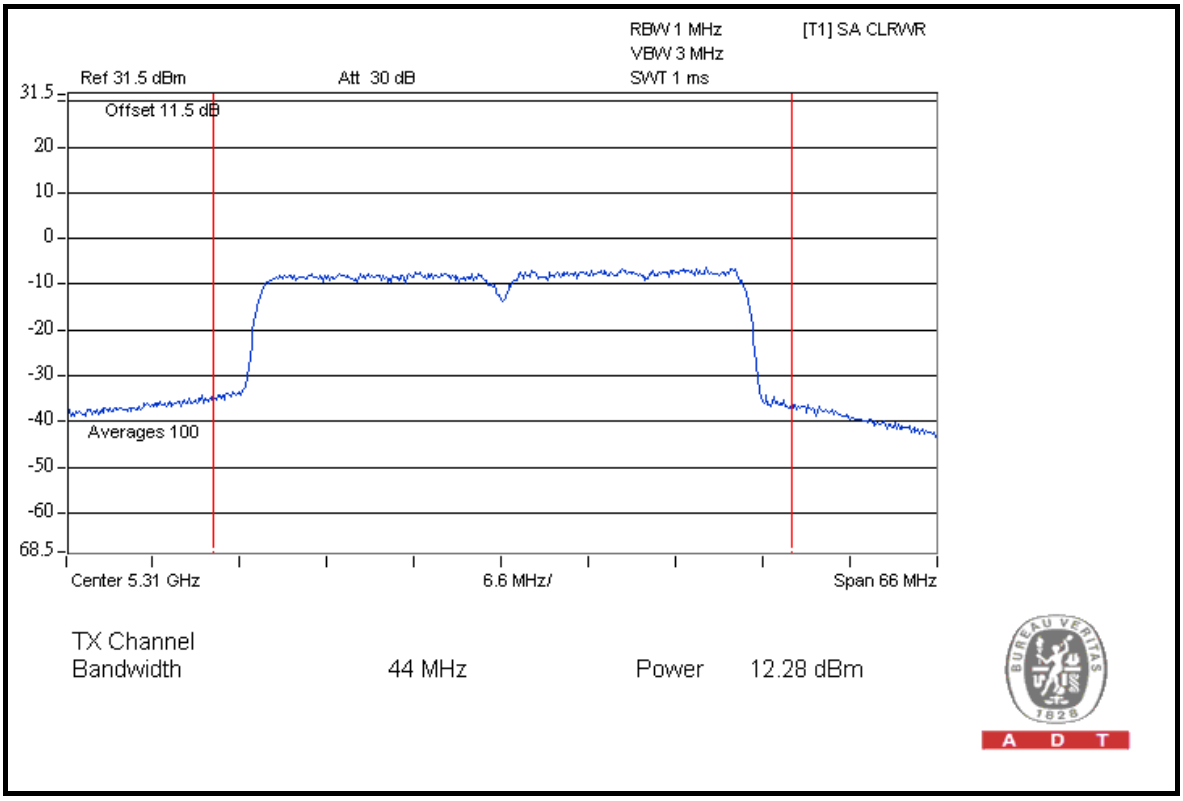
TX Channel Bandwidth 43 MHz Power 2.1 dBm

CH 54

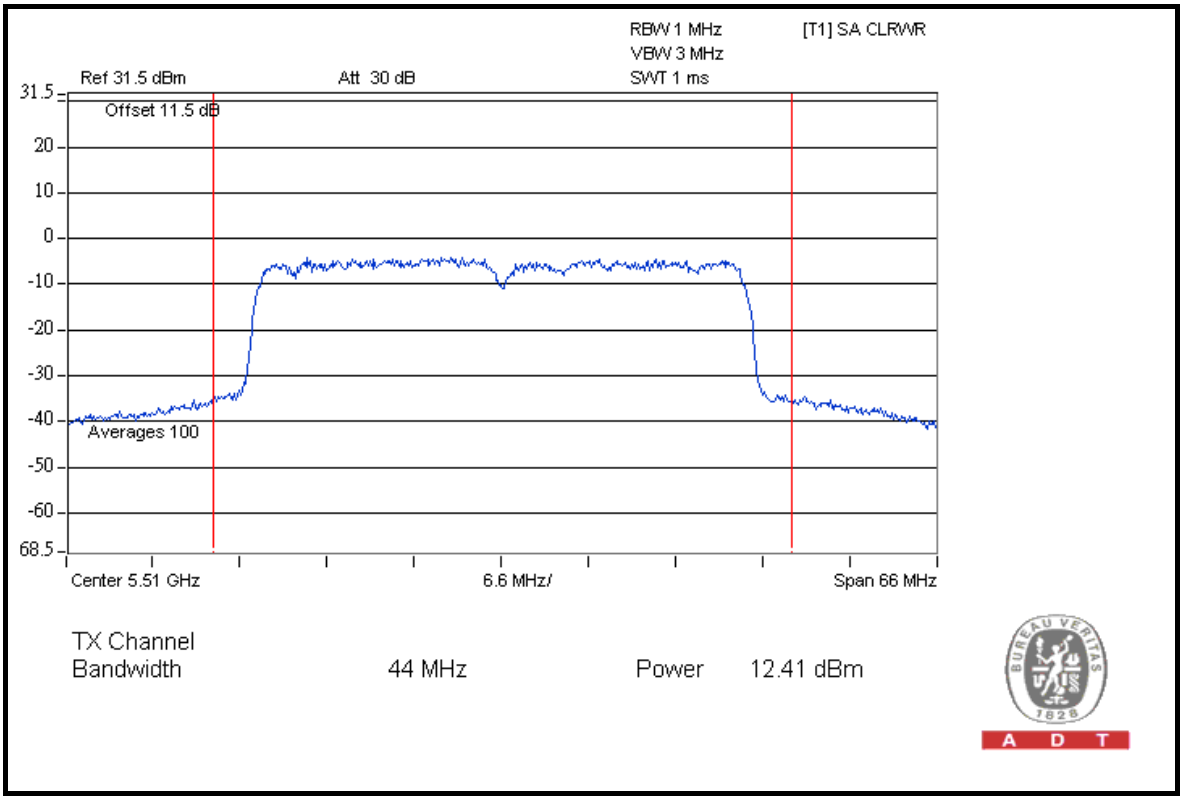


TX Channel Bandwidth 47 MHz Power 12.38 dBm

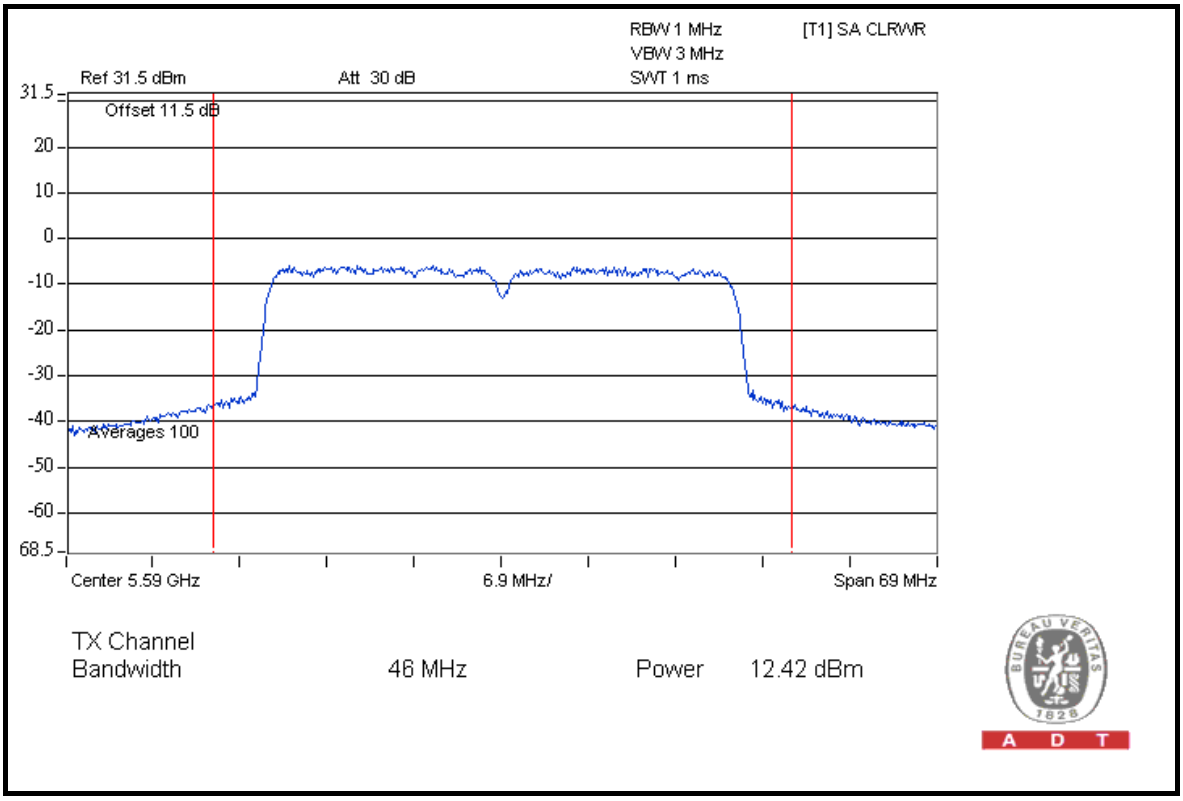
CH 62


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.31 GHz
6.6 MHz/
Span 66 MHz
TX Channel Bandwidth
44 MHz
Power
12.28 dBm

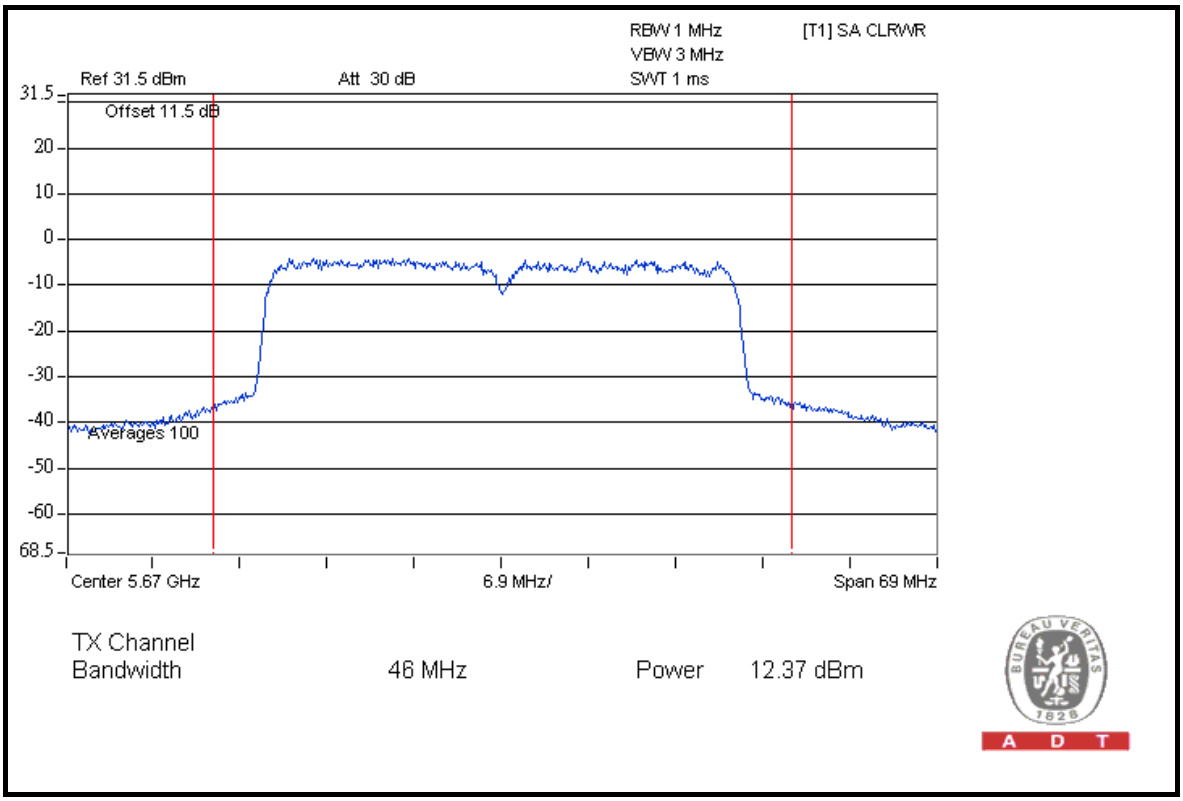
CH 102


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.51 GHz
6.6 MHz/
Span 66 MHz
TX Channel Bandwidth
44 MHz
Power
12.41 dBm

CH 118


RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.59 GHz
6.9 MHz/
Span 69 MHz
TX Channel
Bandwidth
46 MHz
Power
12.42 dBm

CH 134

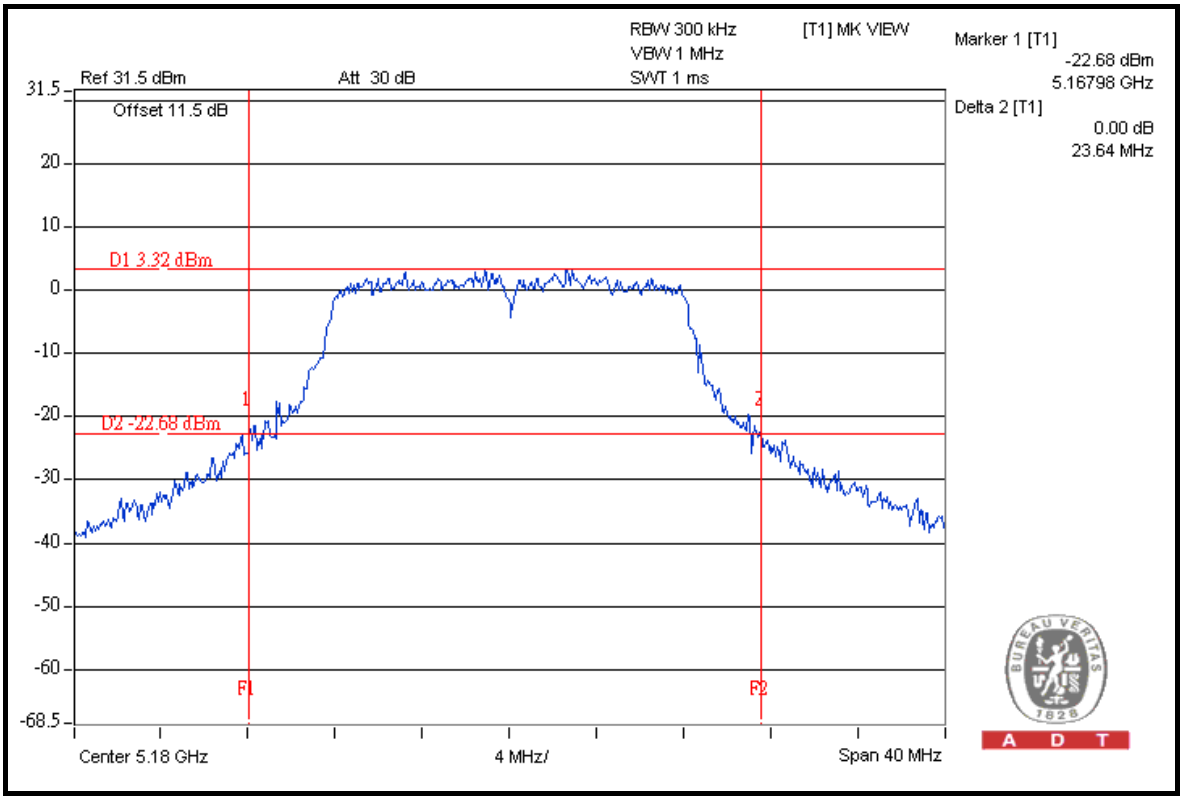

RBW 1 MHz
VBW 3 MHz
SWT 1 ms
[T1] SA CLRWR
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
68.5
Averages 100
Center 5.67 GHz
6.9 MHz/
Span 69 MHz
TX Channel
Bandwidth
46 MHz
Power
12.37 dBm

26dB OCCUPIED BANDWIDTH: 802.11a OFDM MODULATION

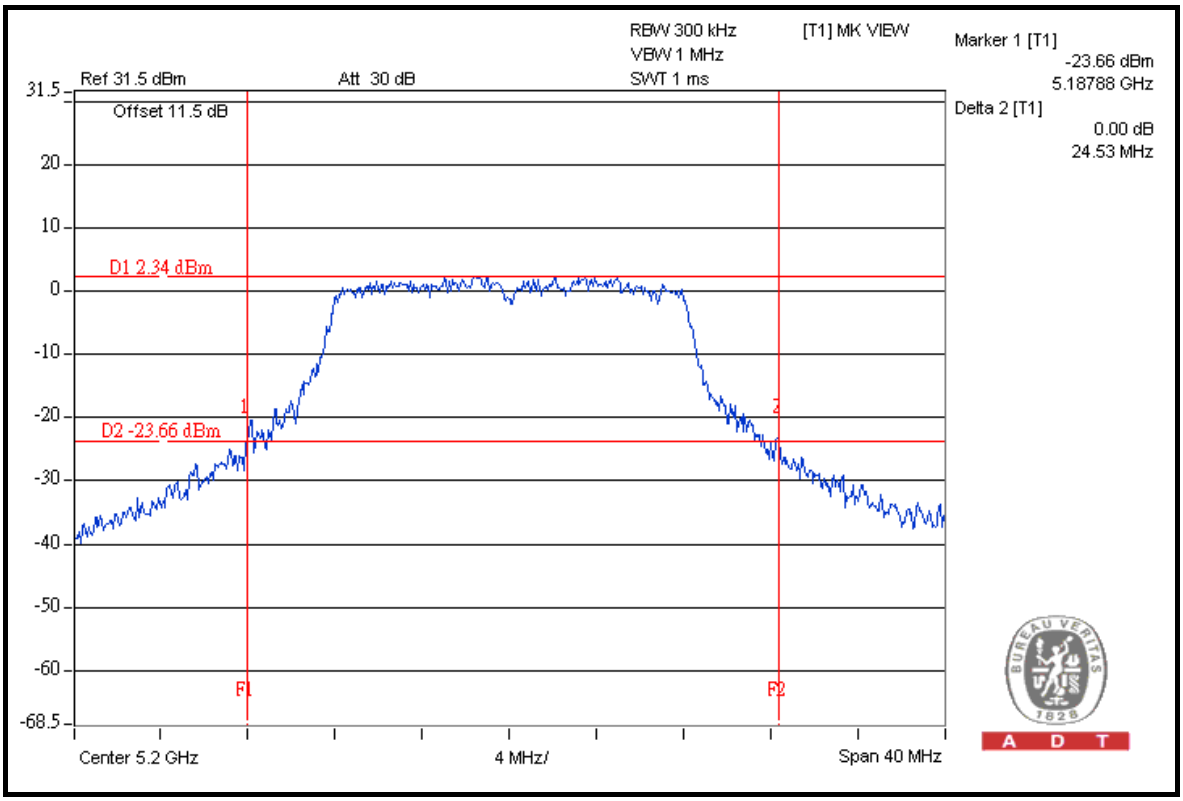
MODULATION TYPE	BPSK	**TRANSFER RATE**	6.0Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

CHANNEL	**CHANNEL FREQUENCY (MHz)**	**26dBc OCCUPIED BANDWIDTH (MHz)**			**PASS / FAIL**
		CHAIN 0	**CHAIN 1**	**CHAIN 2**	
36	5180	23.64	24.16	22.79	PASS
40	5200	24.53	24.37	24.12	PASS
48	5240	24.09	23.52	23.62	PASS
52	5260	31.33	27.20	31.60	PASS
60	5300	37.46	27.82	29.29	PASS
64	5320	33.36	28.34	28.37	PASS
100	5500	32.32	24.95	26.15	PASS
120	5600	33.01	25.94	28.48	PASS
140	5700	32.04	29.20	29.86	PASS

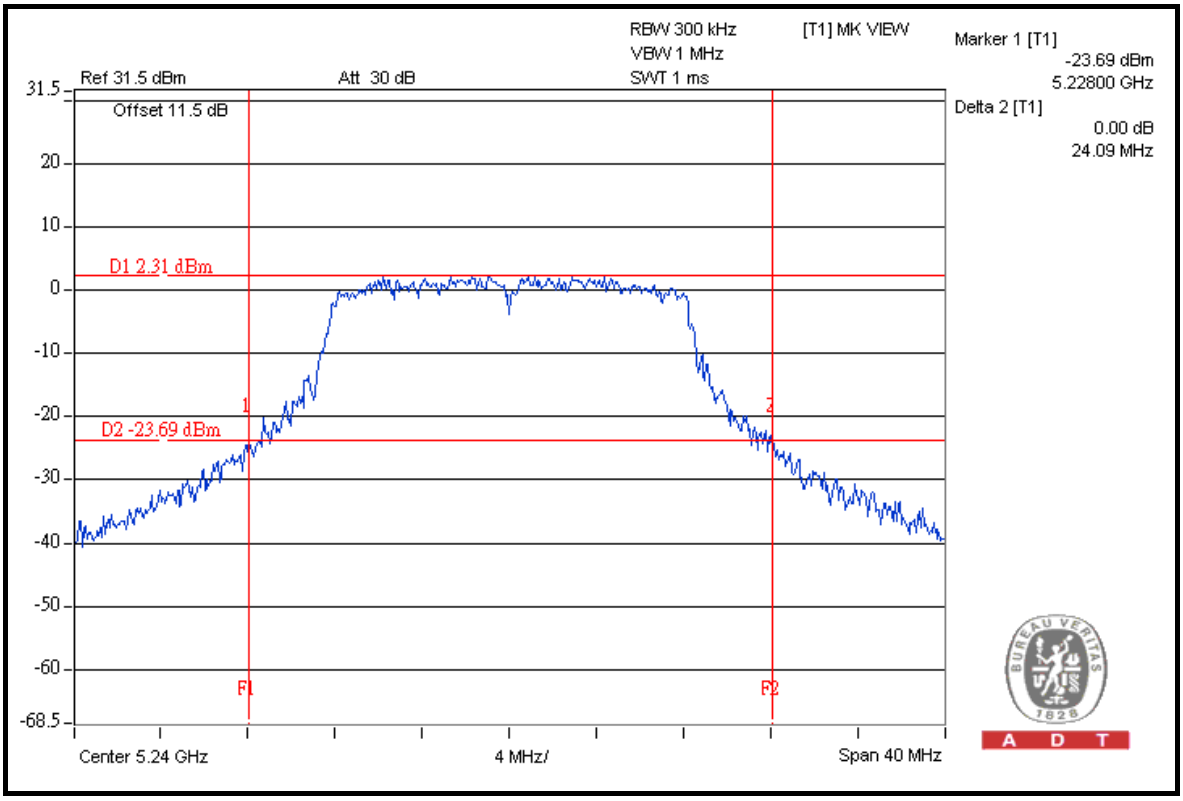
CHAIN 0 CH 36



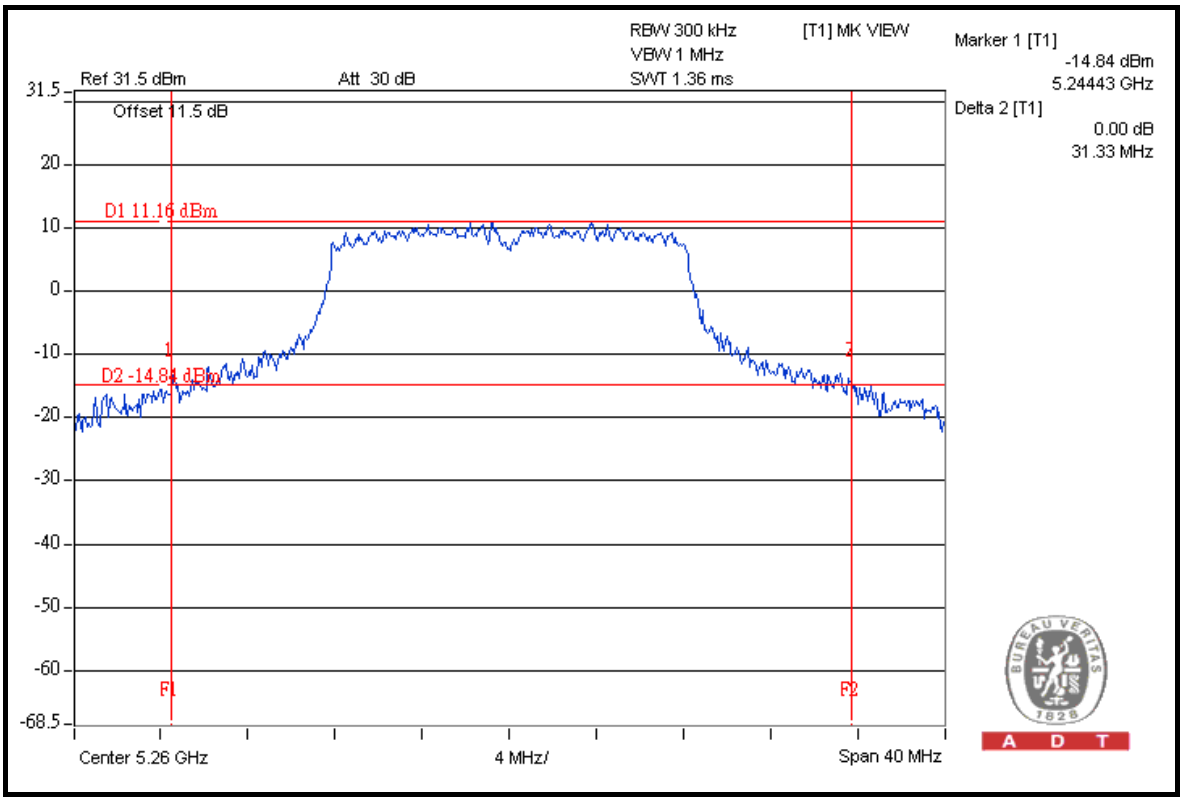
CH 40



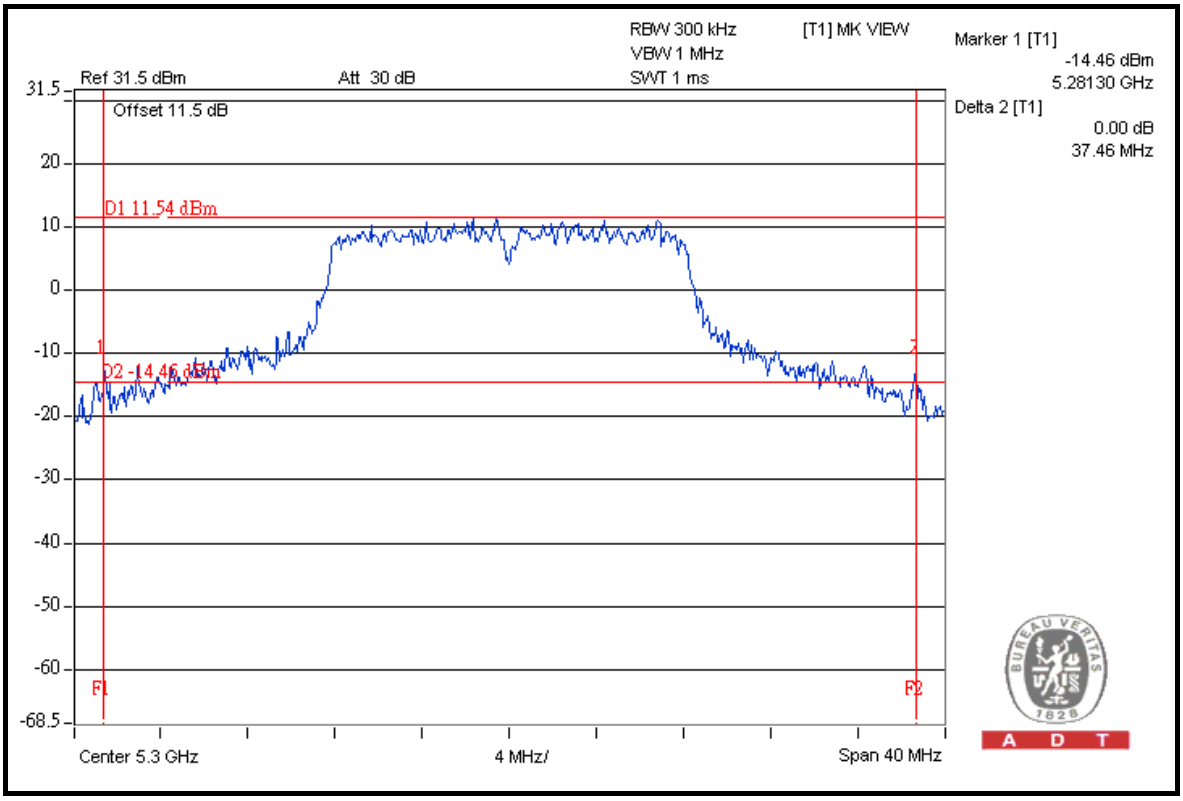
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.69 dBm
5.22800 GHz
Delta 2 [T1]
0.00 dB
24.09 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.31 dBm
D2 -23.69 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

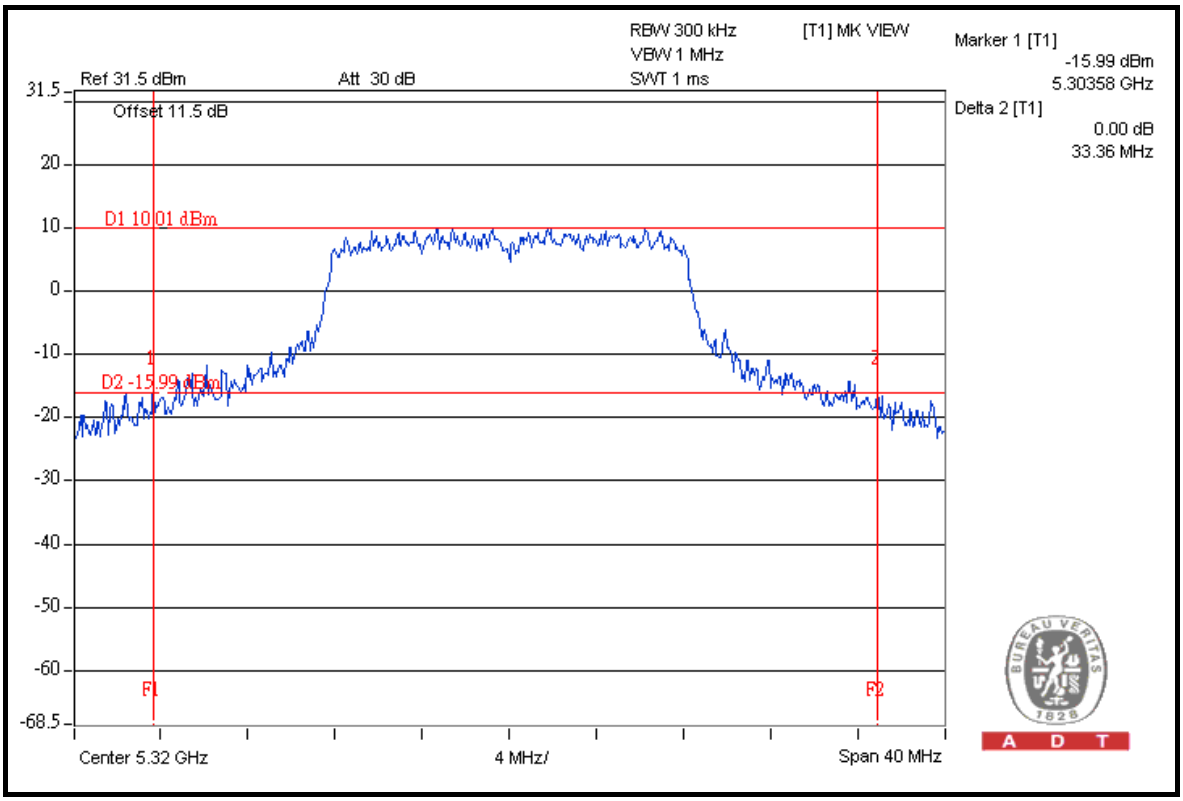
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1.36 ms
[T1] MK VIEW
Marker 1 [T1]
-14.84 dBm
5.24443 GHz
Delta 2 [T1]
0.00 dB
31.33 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 11.16 dBm
D2 -14.84 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

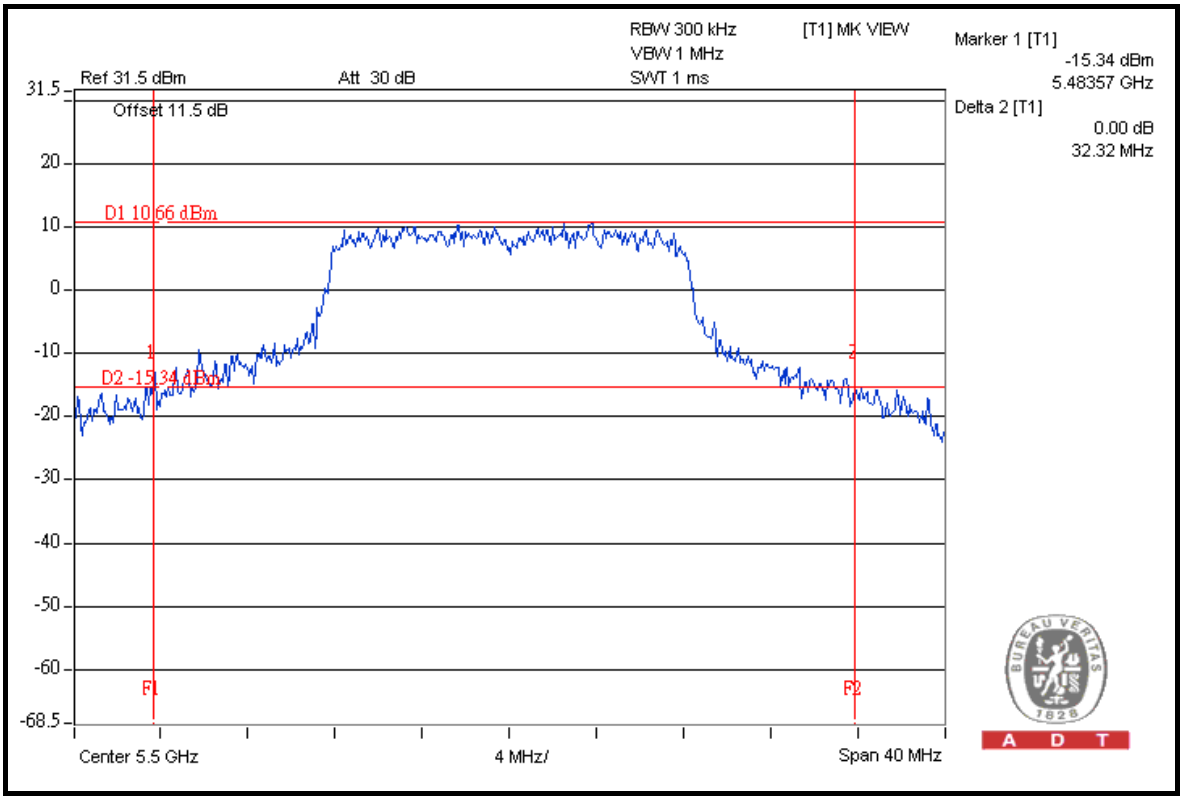
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-14.46 dBm
5.28130 GHz
Delta 2 [T1]
0.00 dB
37.46 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 11.54 dBm
D2 -14.46 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

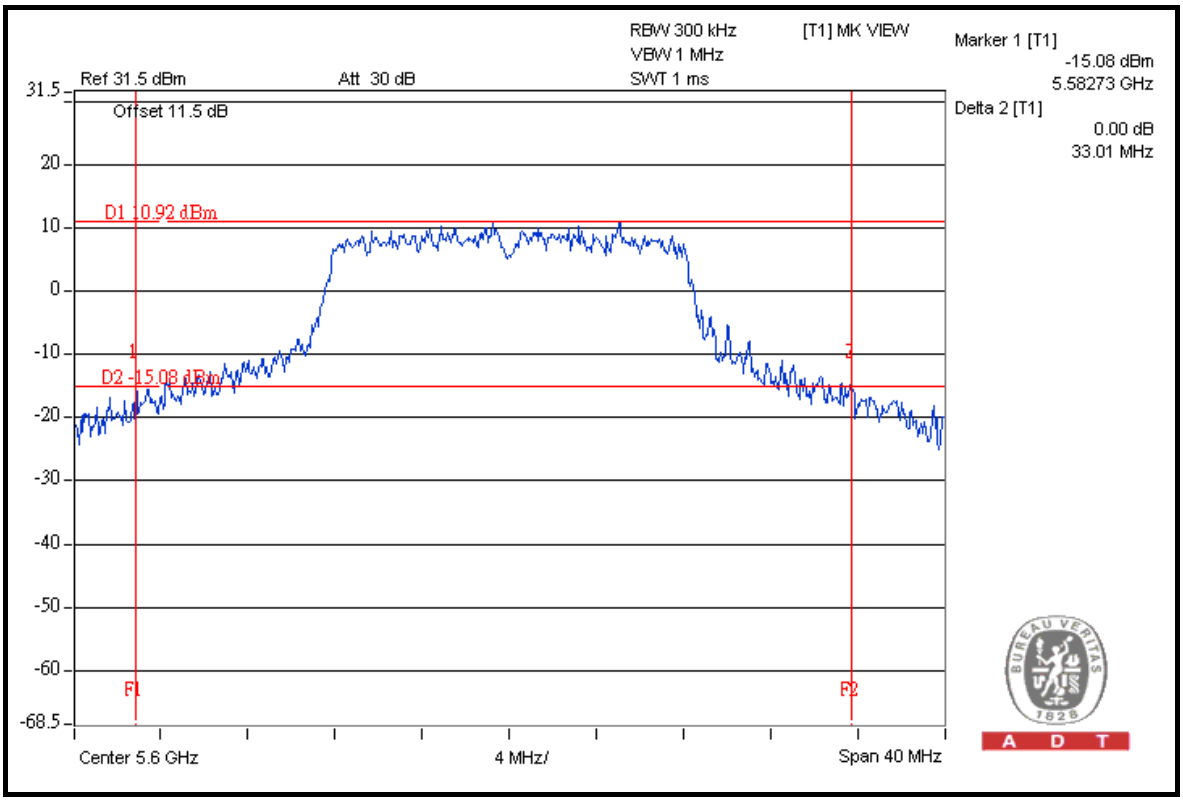
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.99 dBm
5.30358 GHz
Delta 2 [T1]
0.00 dB
33.36 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.01 dBm
D2 -15.99 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

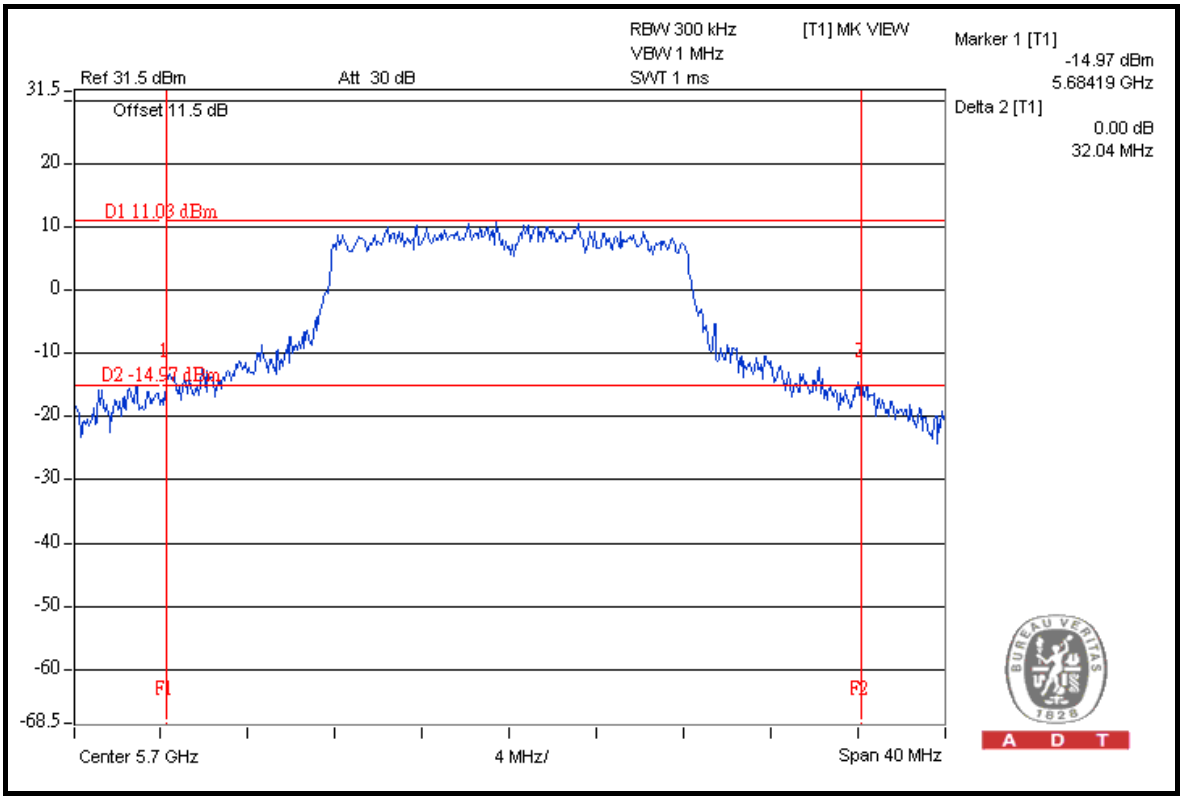
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.34 dBm
5.48357 GHz
Delta 2 [T1]
0.00 dB
32.32 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.66 dBm
D2 -15.34 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

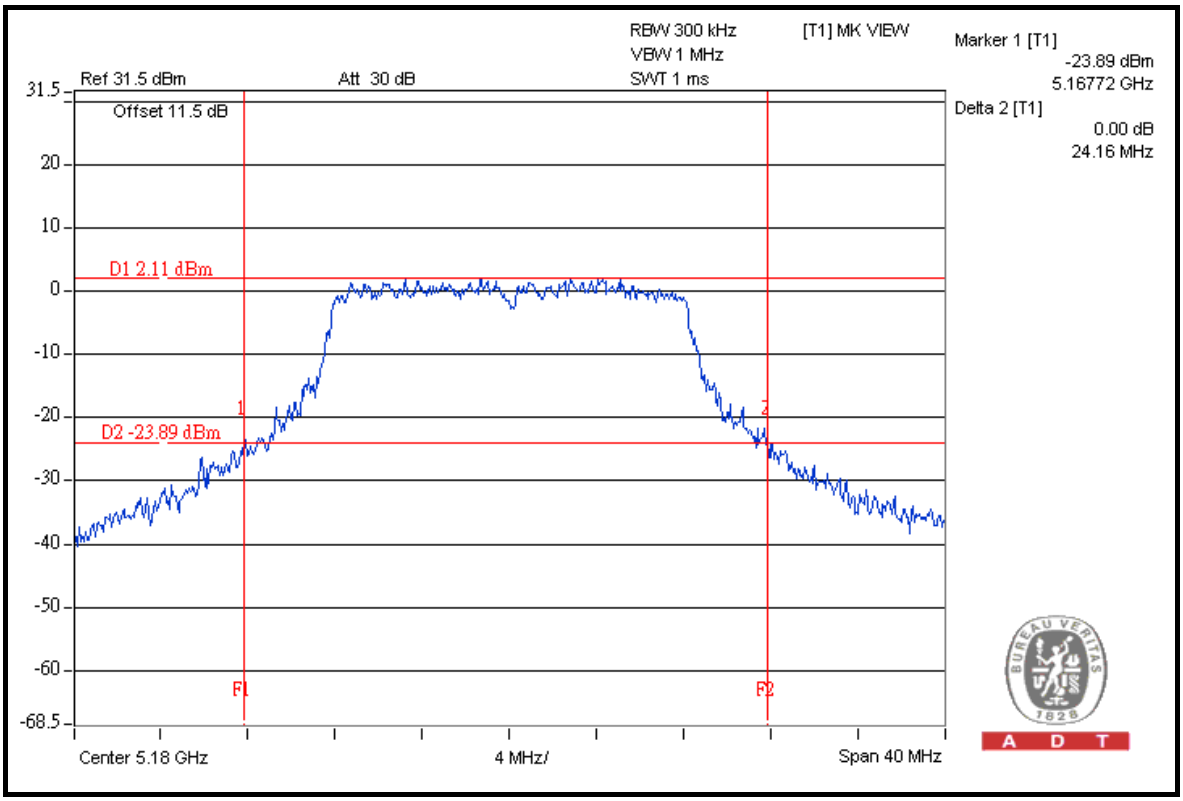
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.08 dBm
5.58273 GHz
Delta 2 [T1]
0.00 dB
33.01 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.92 dBm
D2 -15.08 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

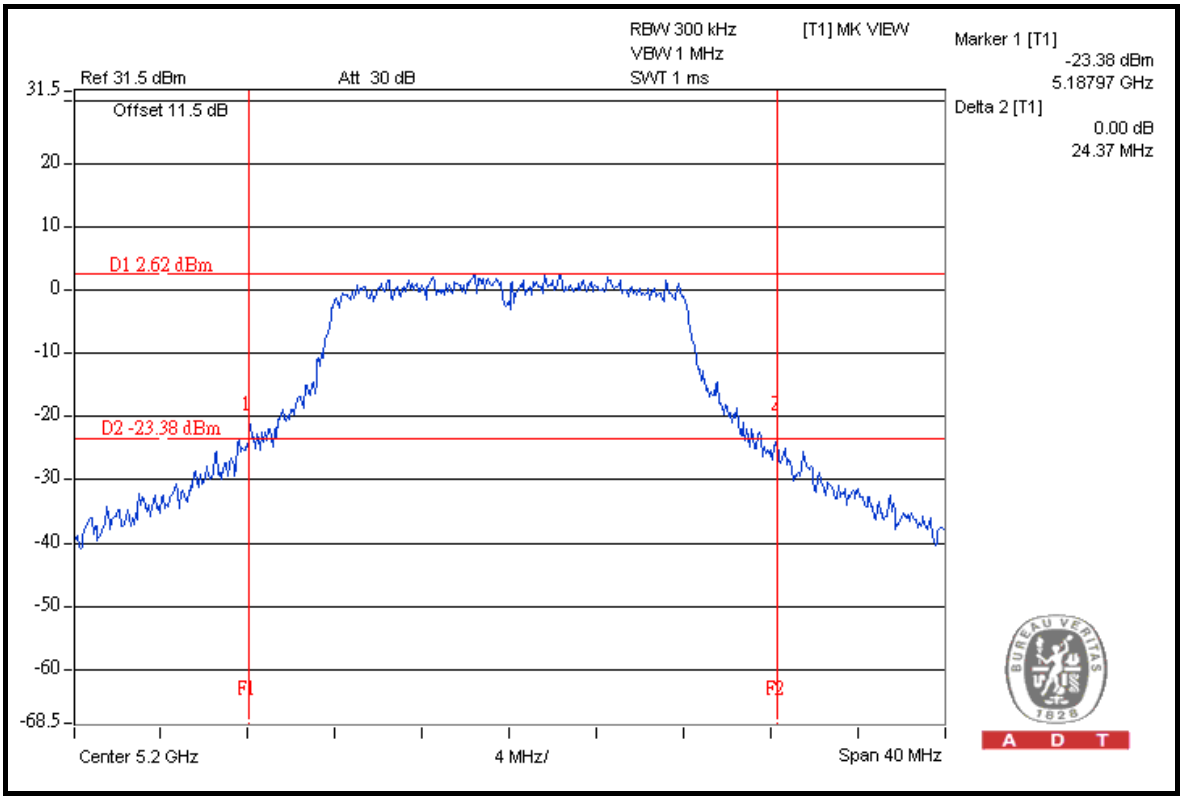
CH 140



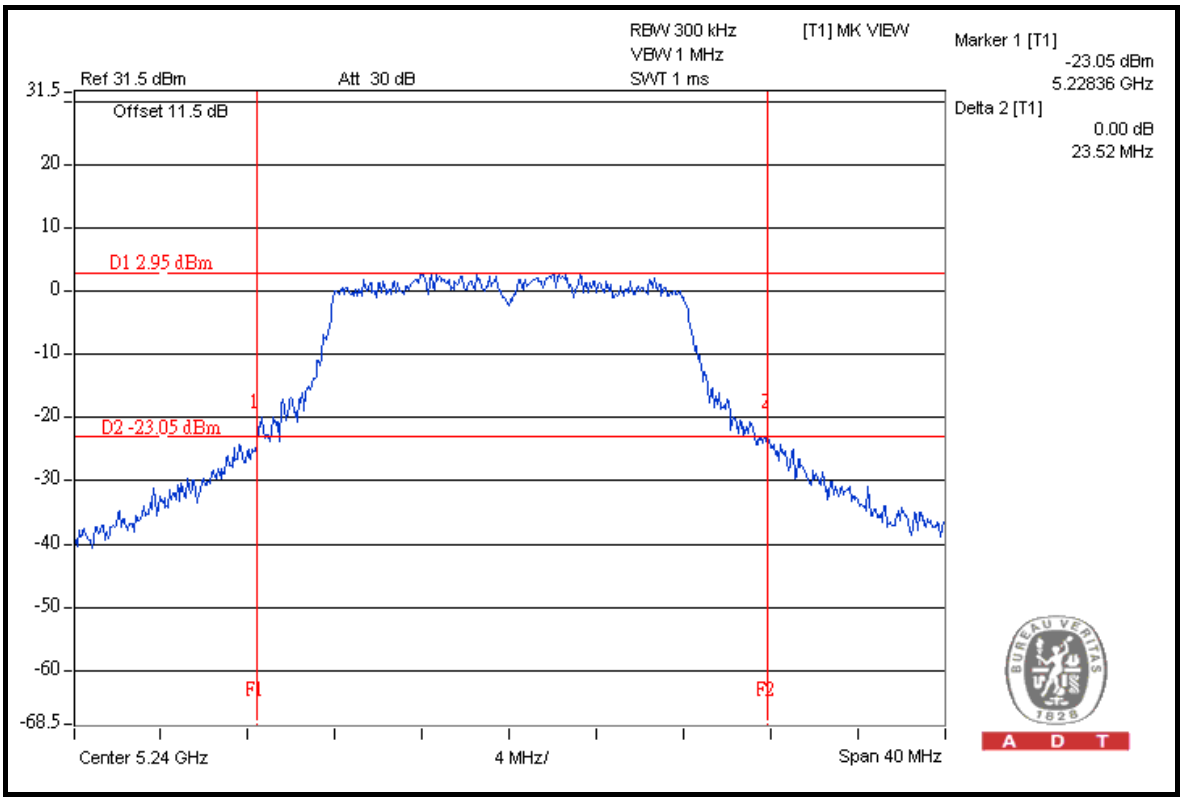
CHAIN 1 CH 36



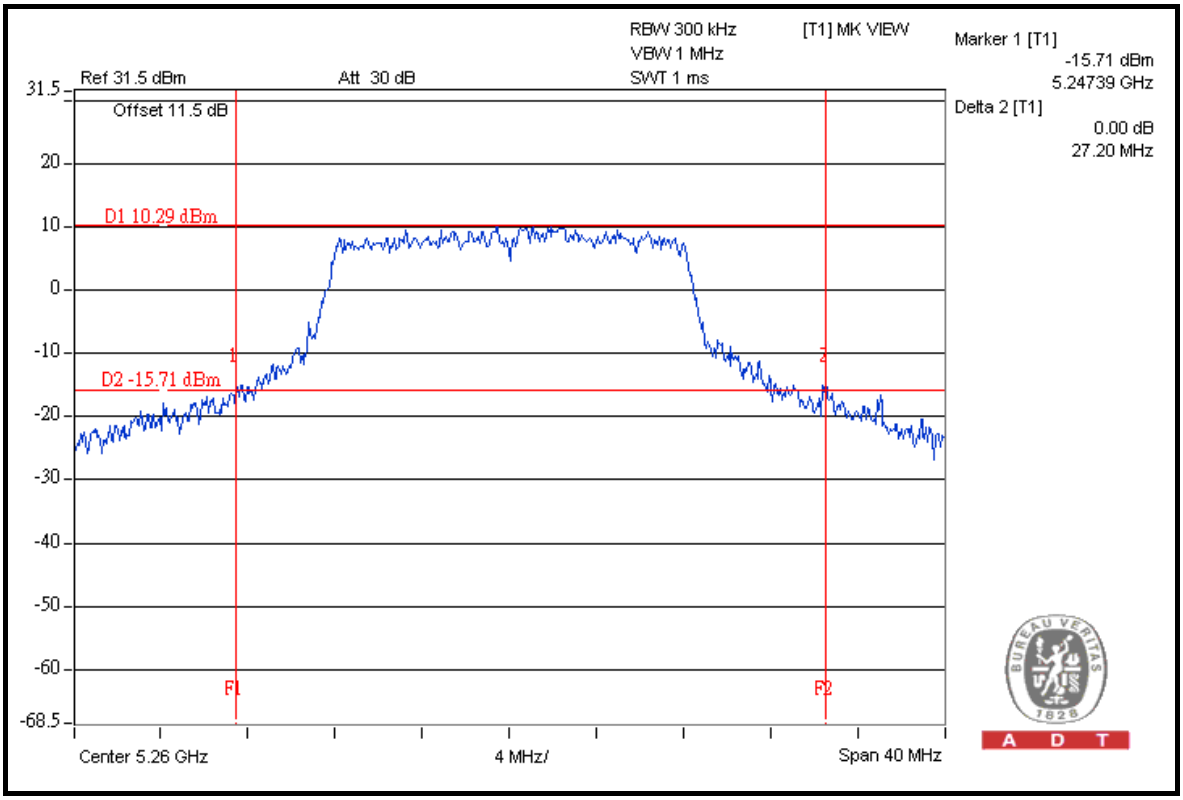
CH 40


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.38 dBm
5.18797 GHz
Delta 2 [T1]
0.00 dB
24.37 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.62 dBm
D2 -23.38 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.2 GHz
4 MHz/
Span 40 MHz

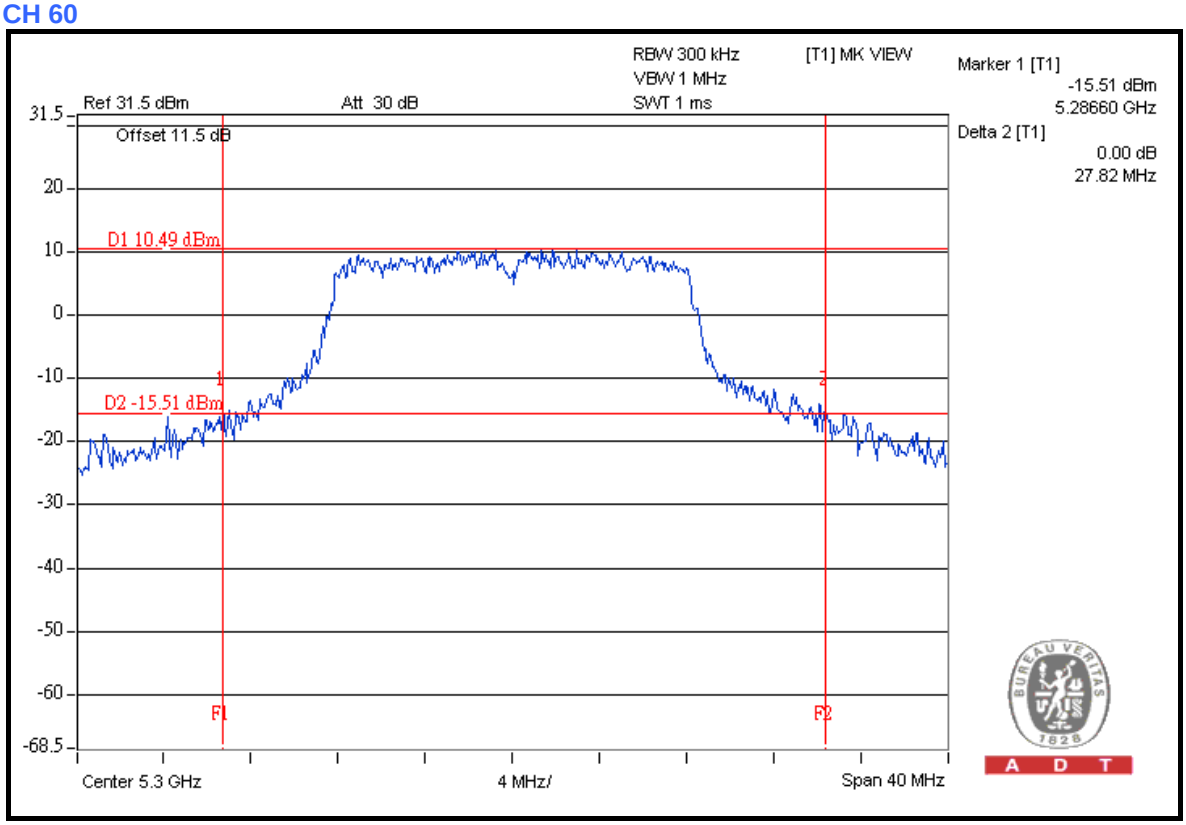
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.05 dBm
5.22836 GHz
Delta 2 [T1]
0.00 dB
23.52 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.95 dBm
D2 -23.05 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

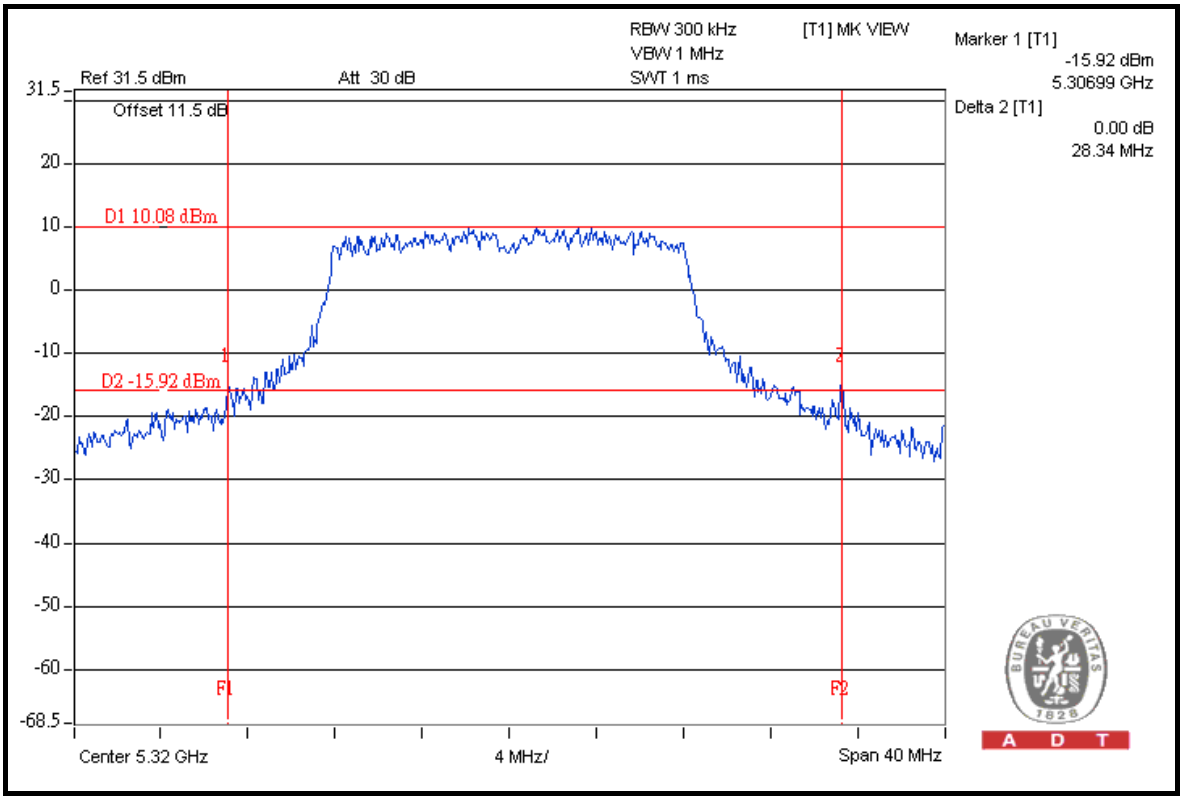
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.71 dBm
5.24739 GHz
Delta 2 [T1]
0.00 dB
27.20 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.29 dBm
D2 -15.71 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

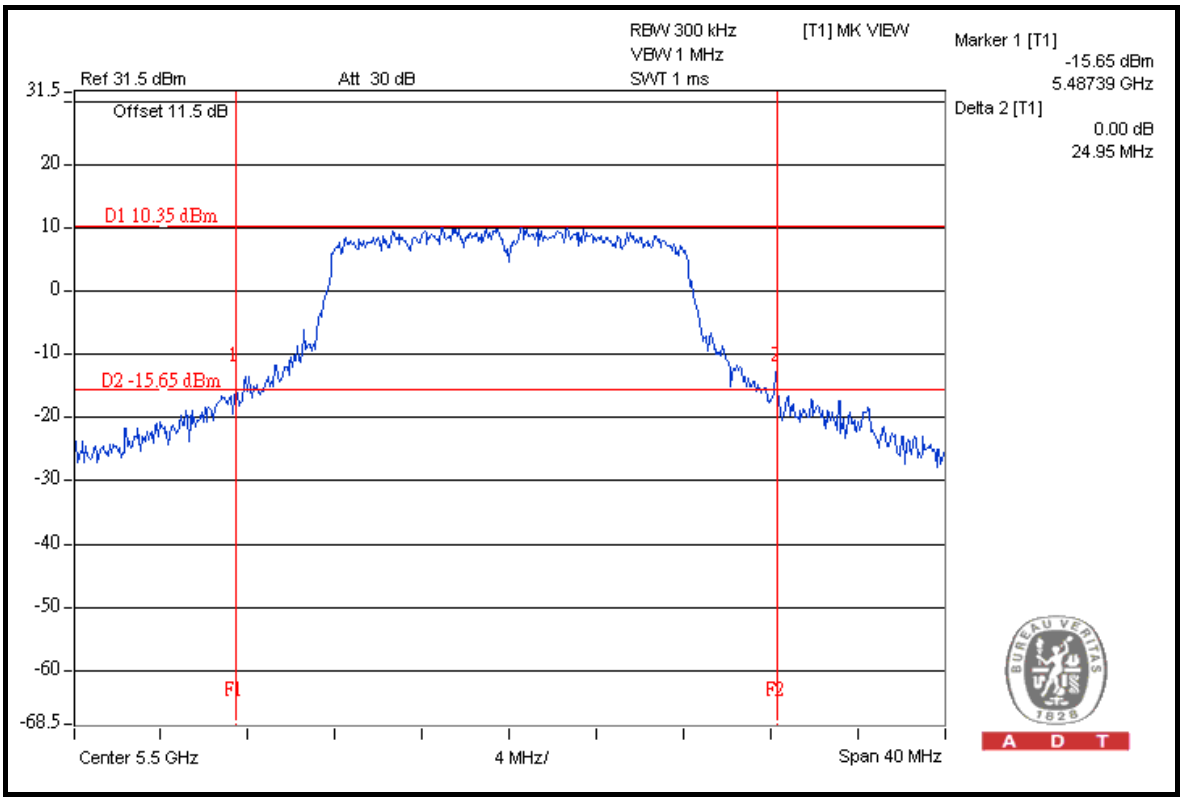
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.51 dBm
5.28660 GHz
Delta 2 [T1]
0.00 dB
27.82 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.49 dBm
D2 -15.51 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

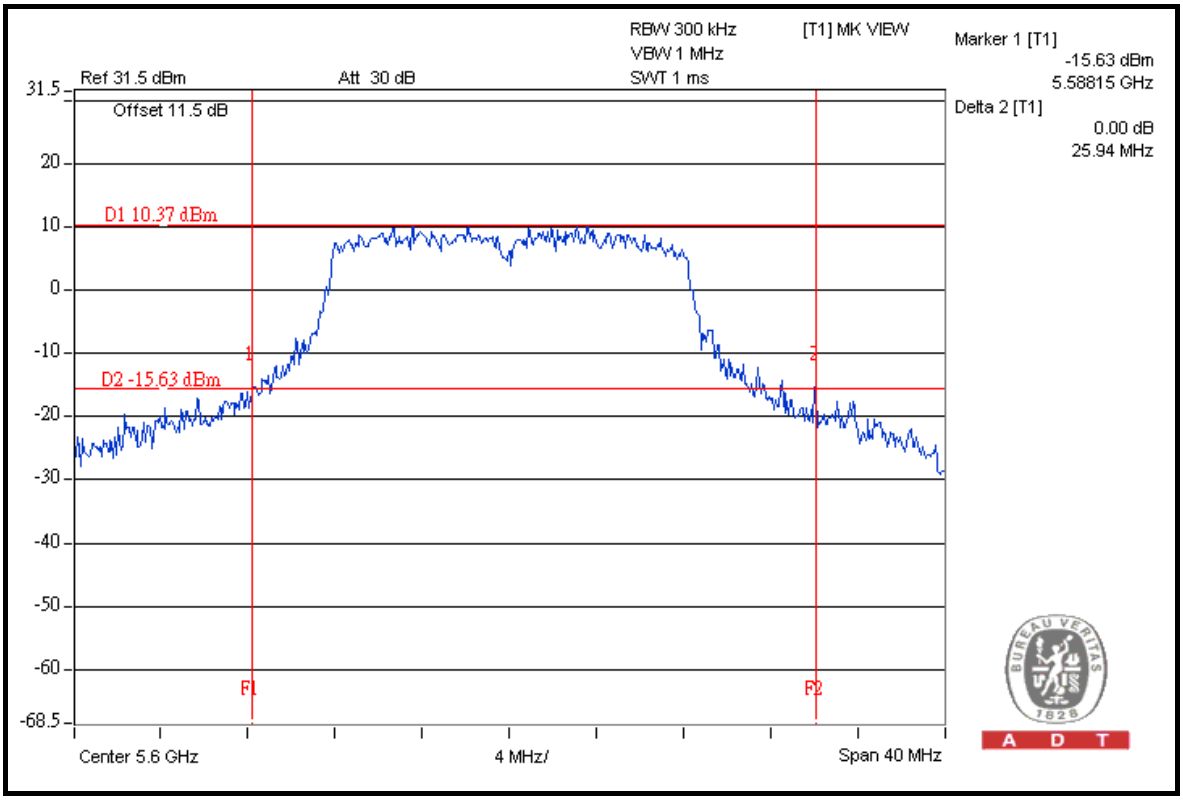
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.92 dBm
5.30699 GHz
Delta 2 [T1]
0.00 dB
28.34 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.08 dBm
D2 -15.92 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

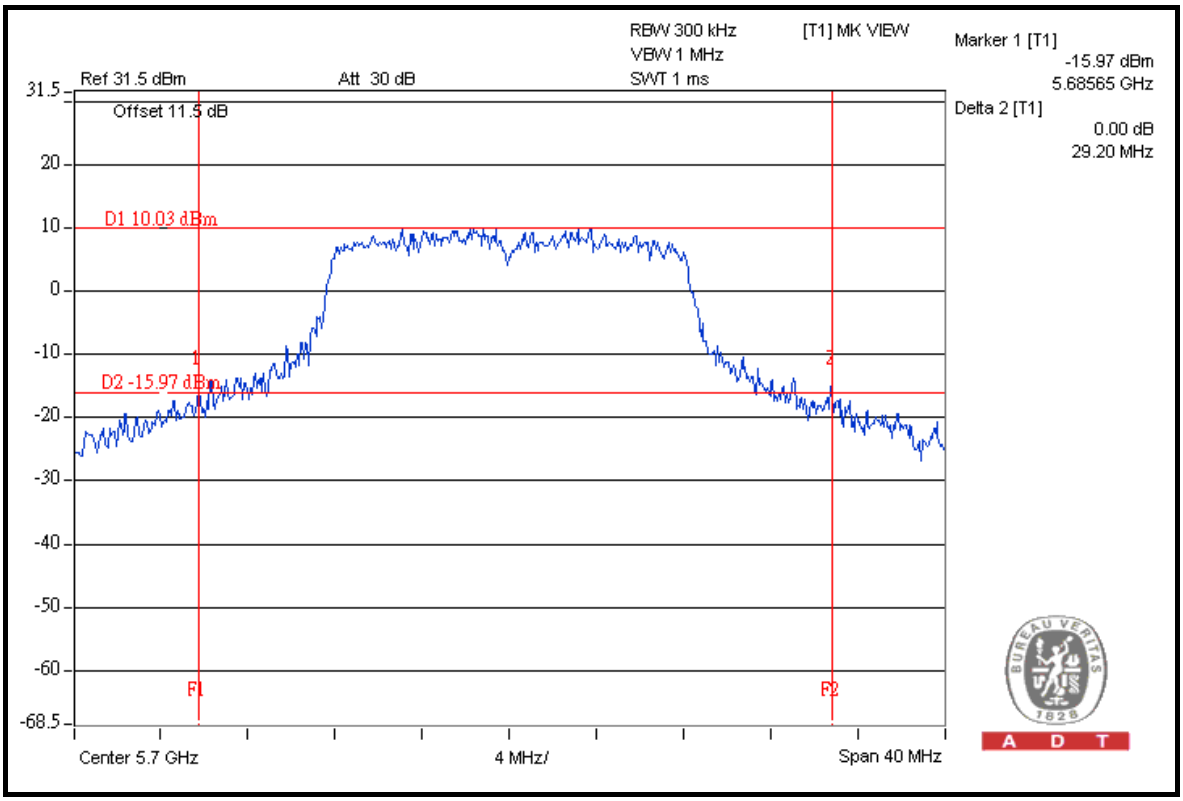
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.65 dBm
5.48739 GHz
Delta 2 [T1]
0.00 dB
24.95 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.35 dBm
D2 -15.65 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

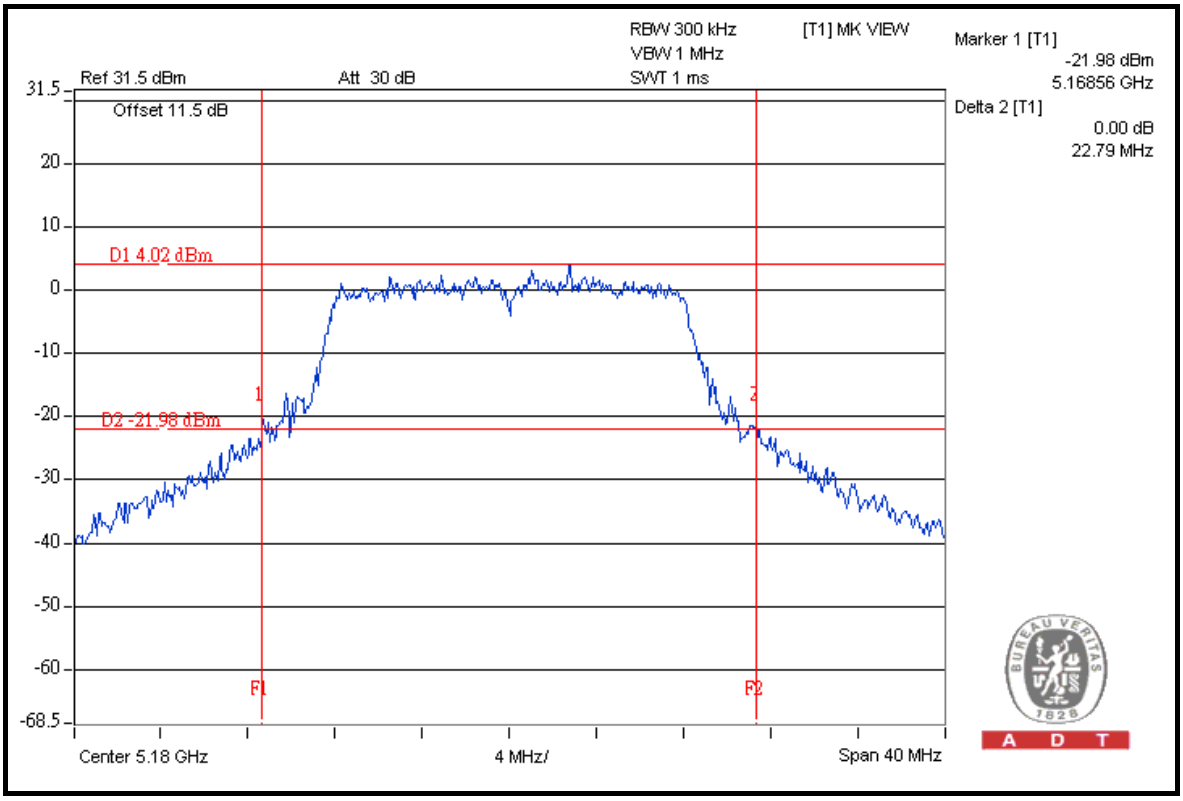
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.63 dBm
5.58815 GHz
Delta 2 [T1]
0.00 dB
25.94 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.37 dBm
D2 -15.63 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

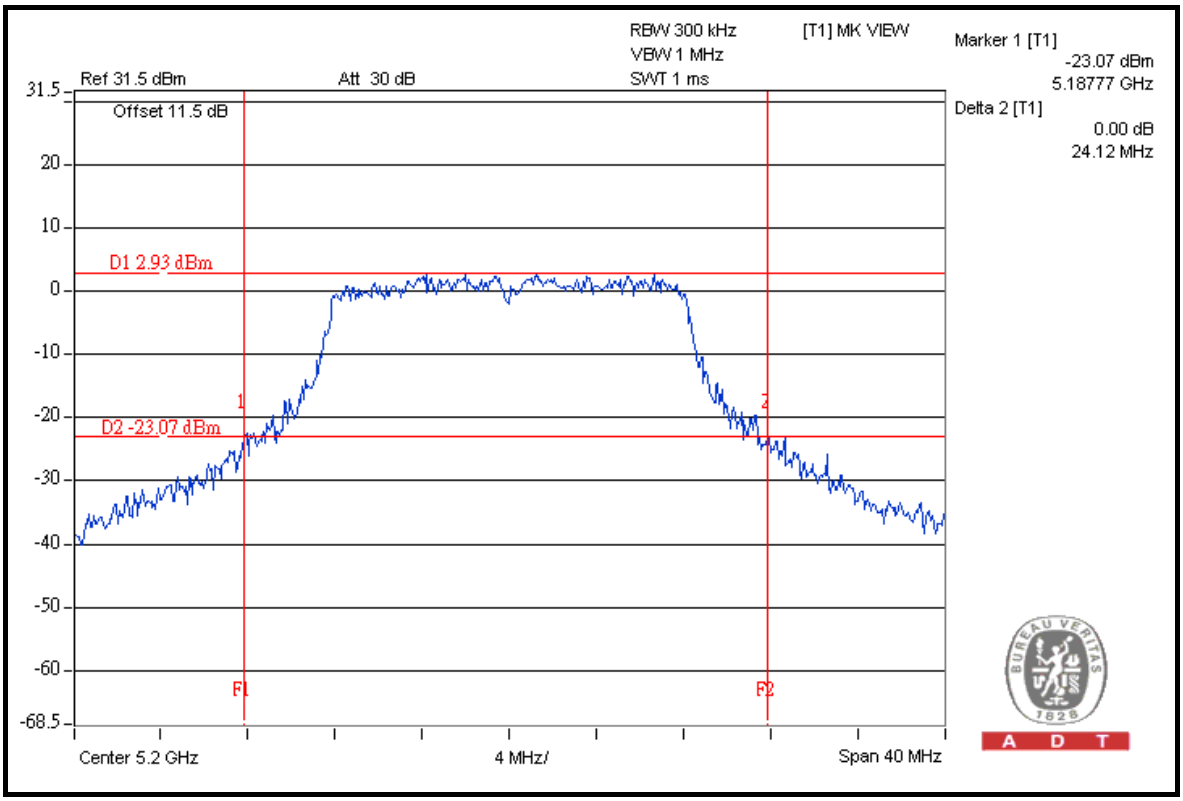
CH 140


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.97 dBm
5.68565 GHz
Delta 2 [T1]
0.00 dB
29.20 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.03 dBm
D2 -15.97 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.7 GHz
4 MHz/
Span 40 MHz

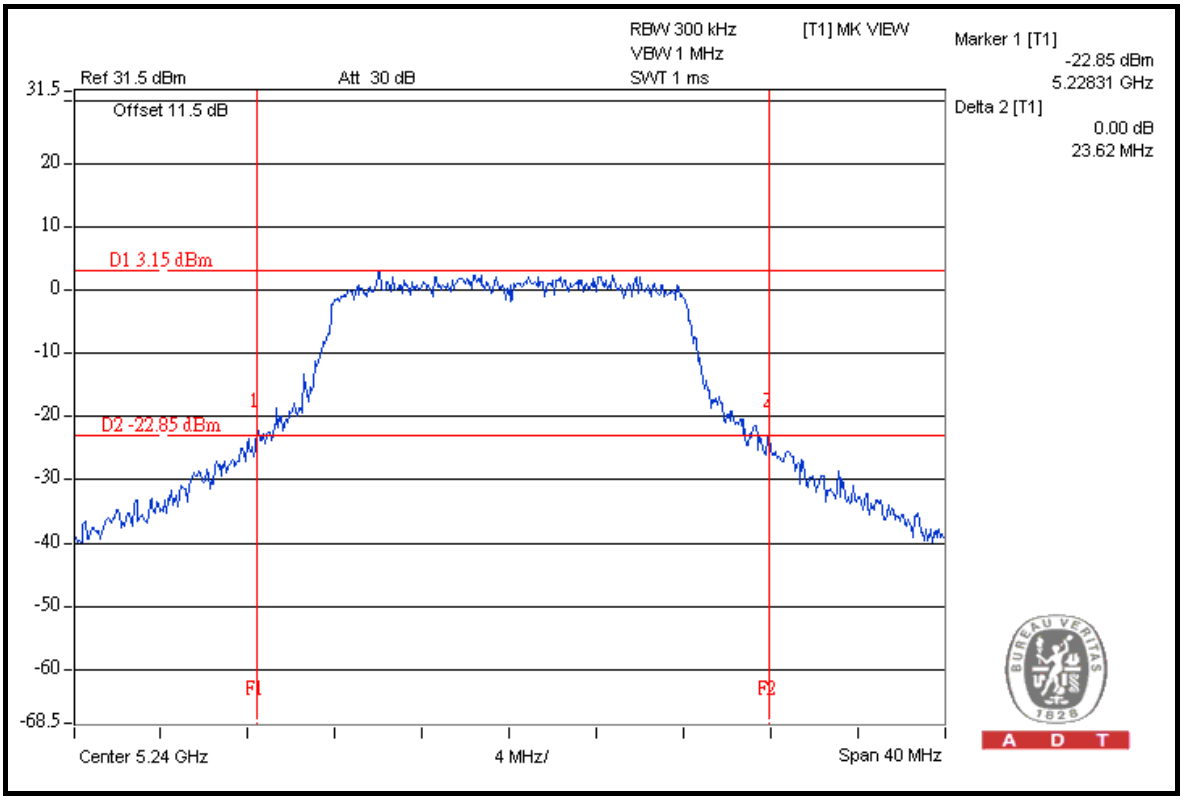
CHAIN 2 CH 36



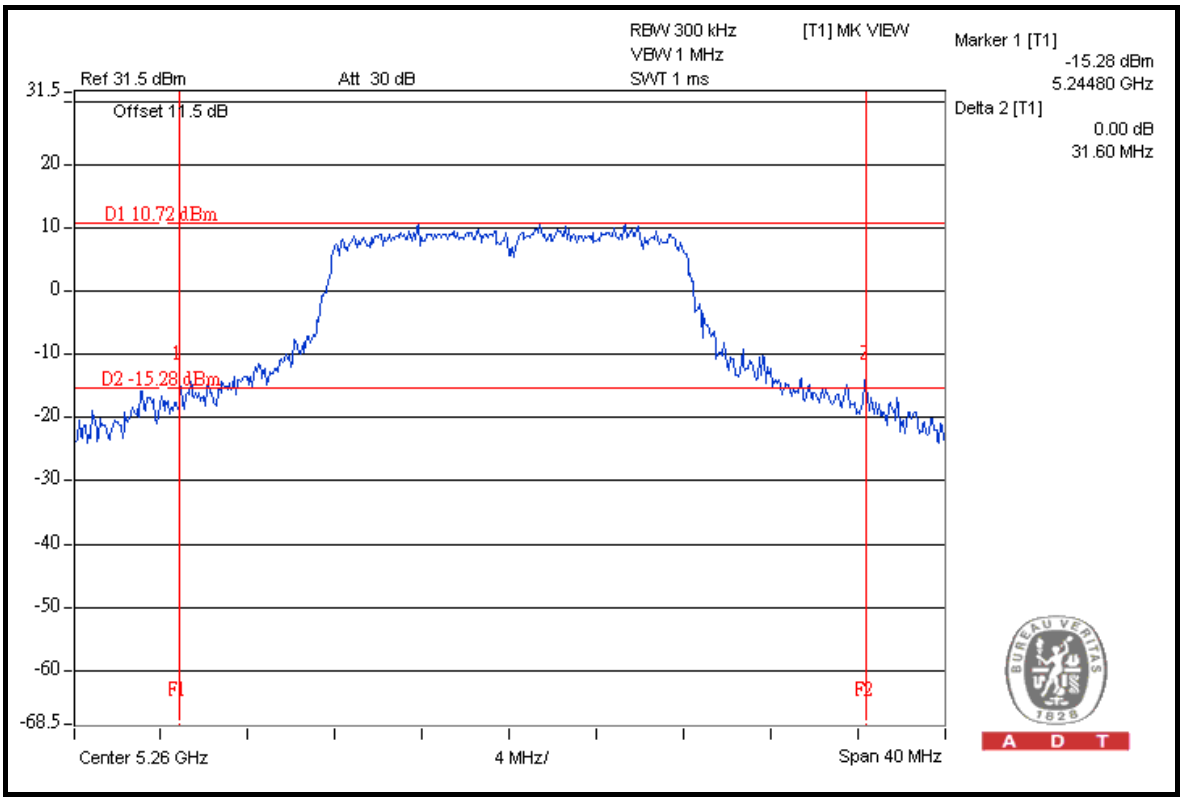
CH 40



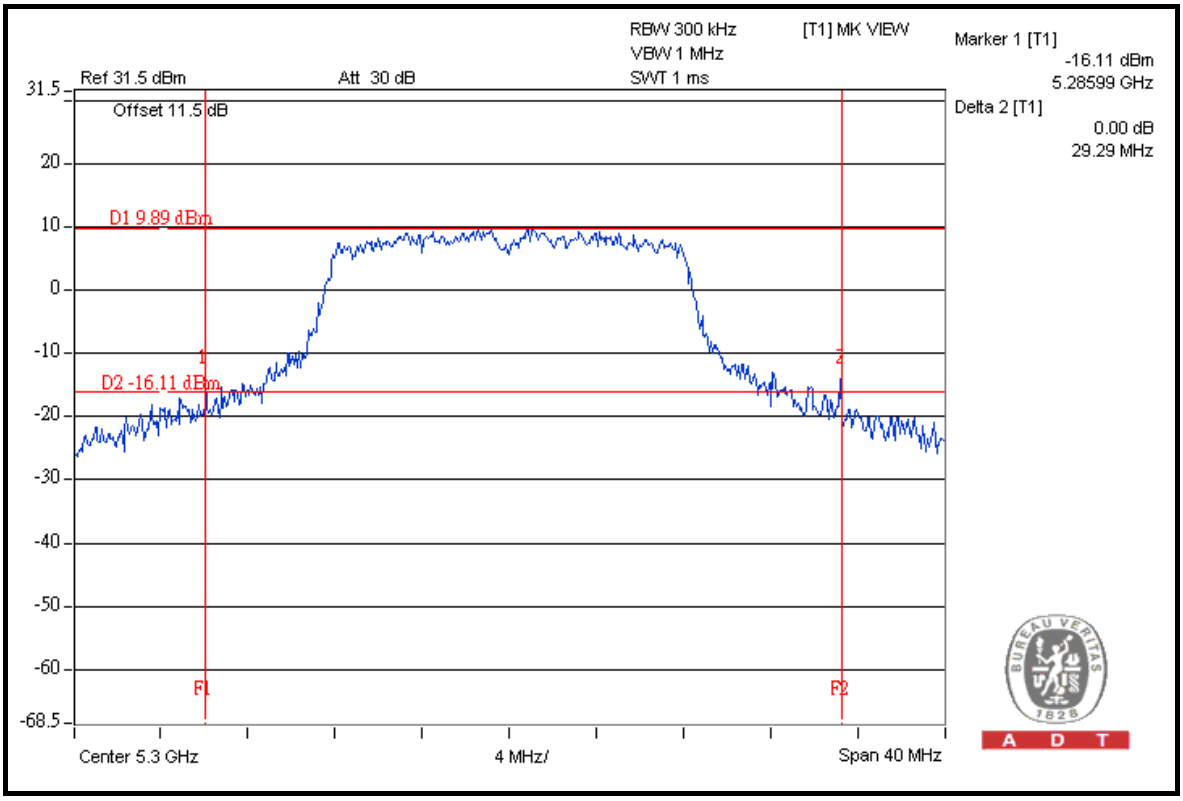
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.85 dBm
5.22831 GHz
Delta 2 [T1]
0.00 dB
23.62 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.15 dBm
D2 -22.85 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

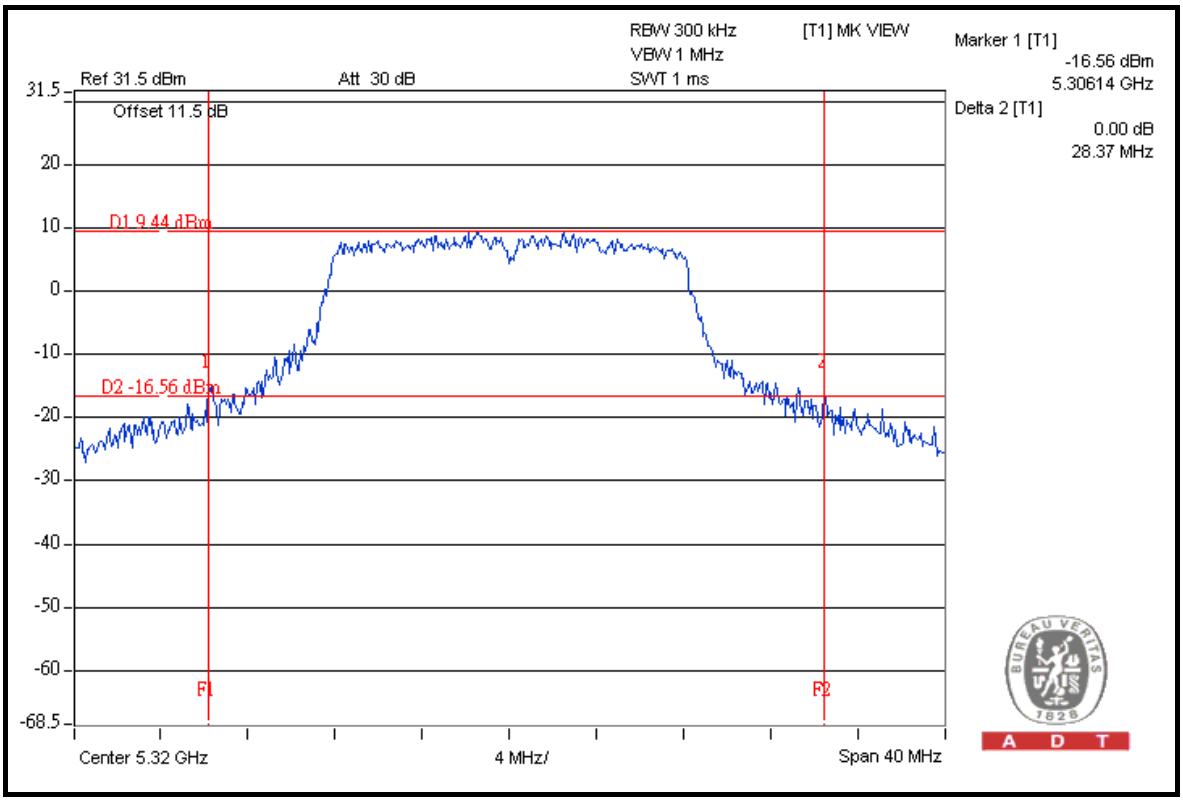
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.28 dBm
5.24480 GHz
Delta 2 [T1]
0.00 dB
31.60 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.72 dBm
D2 -15.28 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

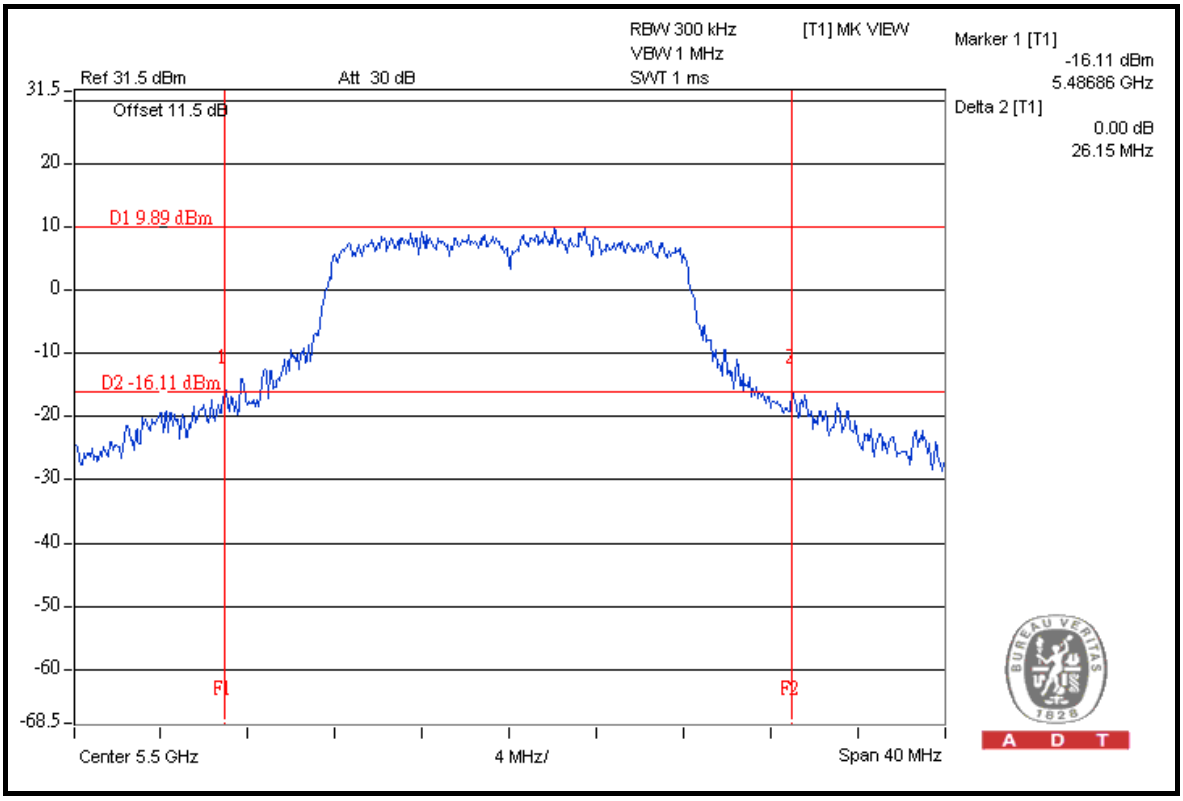
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.11 dBm
5.28599 GHz
Delta 2 [T1]
0.00 dB
29.29 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.89 dBm
D2 -16.11 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

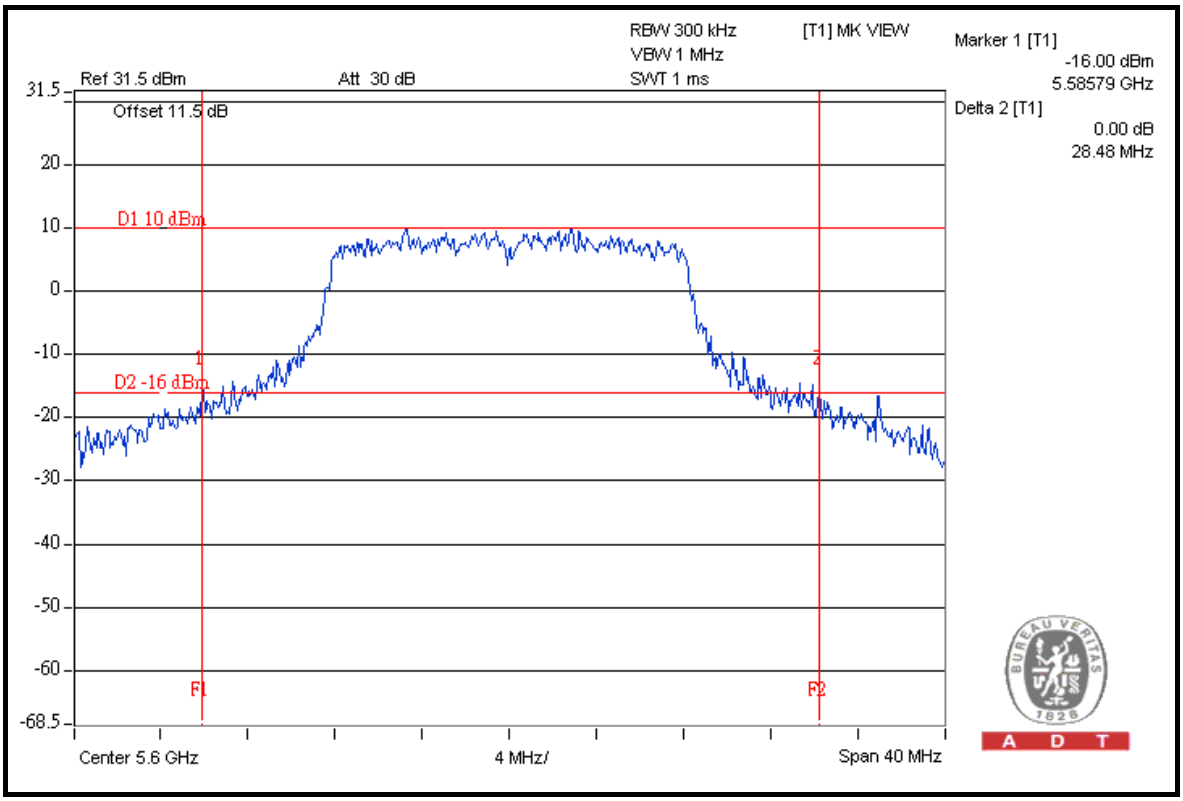
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.56 dBm
5.30614 GHz
Delta 2 [T1]
0.00 dB
28.37 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.44 dBm
D2 -16.56 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

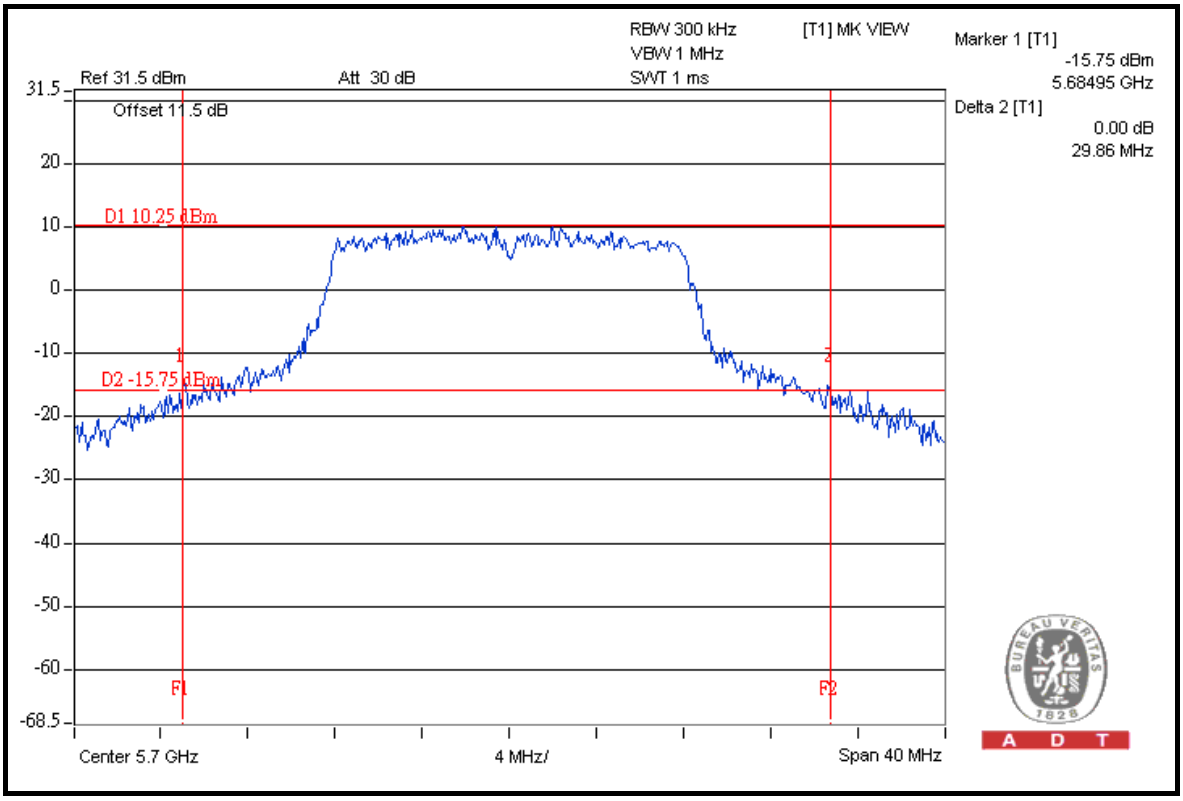
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.11 dBm
5.48686 GHz
Delta 2 [T1]
0.00 dB
26.15 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.89 dBm
D2 -16.11 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.00 dBm
5.58579 GHz
Delta 2 [T1]
0.00 dB
28.48 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10 dBm
D2 -16 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

CH 140

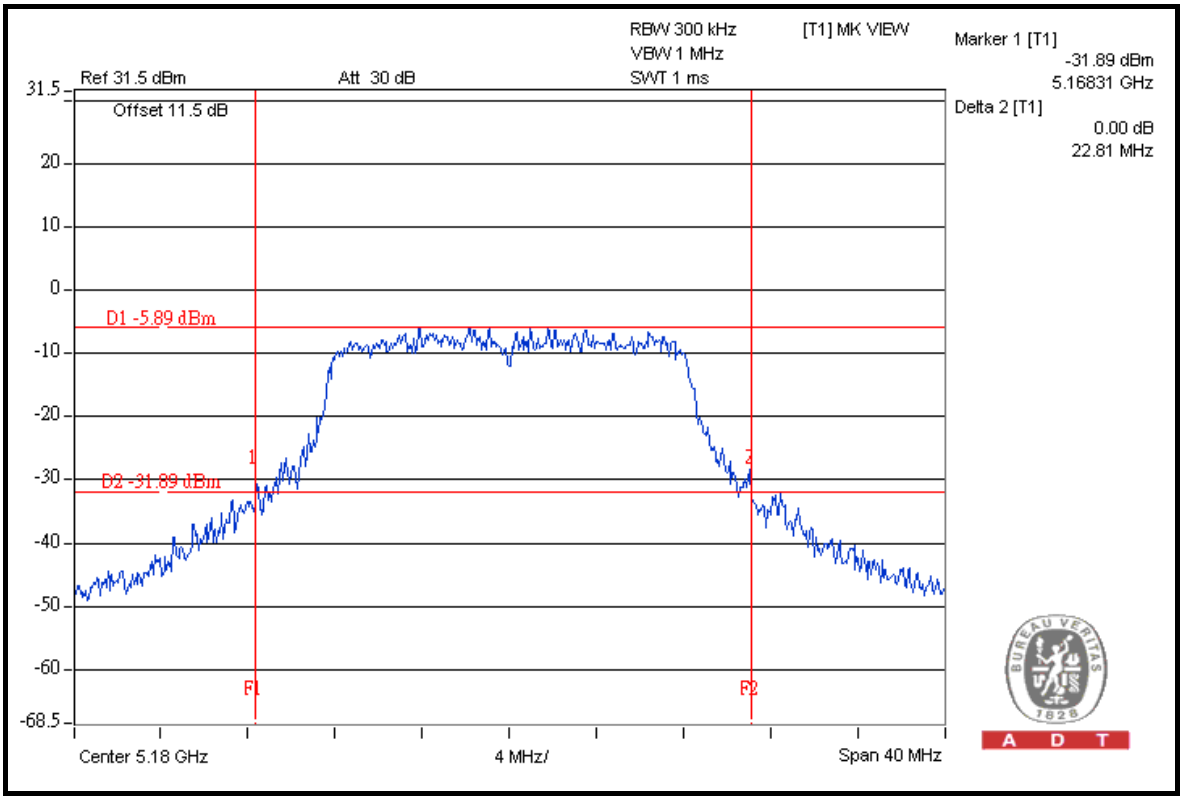

RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.75 dBm
5.68495 GHz
Delta 2 [T1]
0.00 dB
29.86 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.25 dBm
D2 -15.75 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.7 GHz
4 MHz/
Span 40 MHz

802.11a OFDM MODULATION

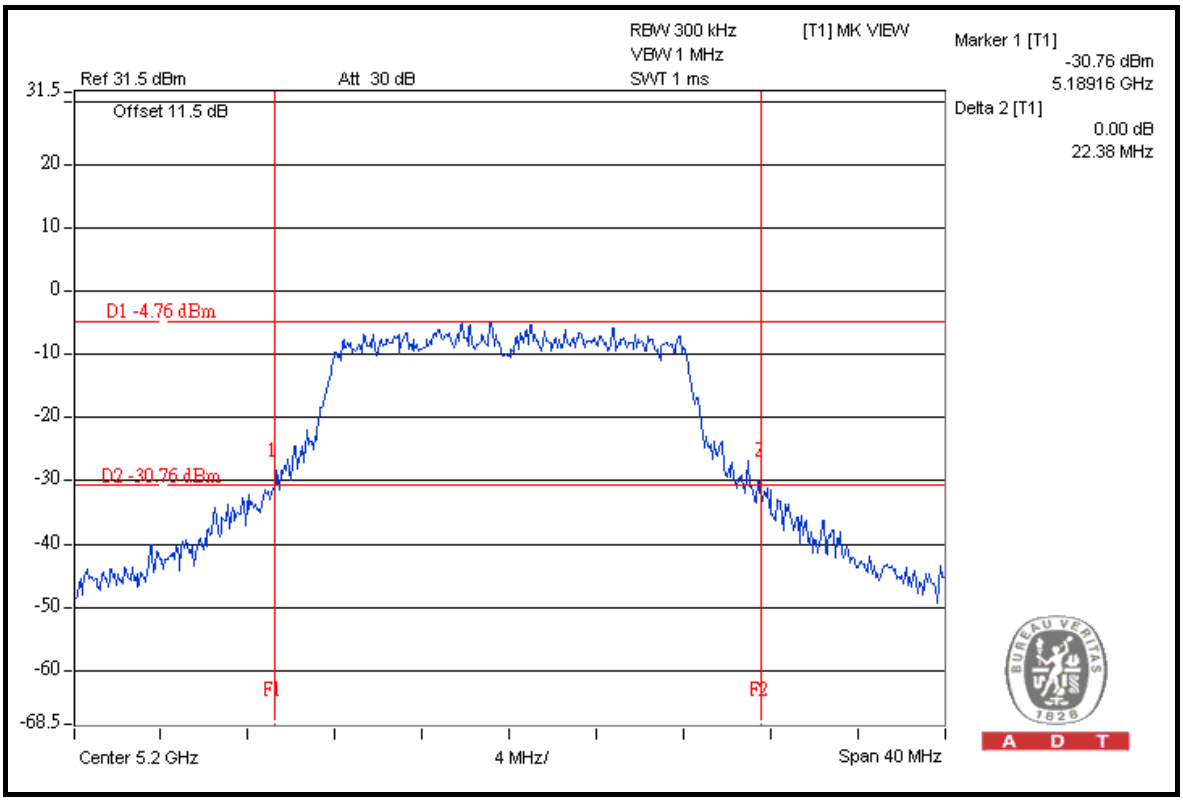
MODULATION TYPE	BPSK	**TRANSFER RATE**	6.0Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	C

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
36	5180	22.81	23.13	PASS
40	5200	22.38	22.20	PASS
48	5240	22.38	22.76	PASS
52	5260	22.69	22.90	PASS
60	5300	22.48	22.25	PASS
64	5320	22.49	23.68	PASS
100	5500	22.89	23.38	PASS
120	5600	22.55	24.22	PASS
140	5700	22.59	22.93	PASS

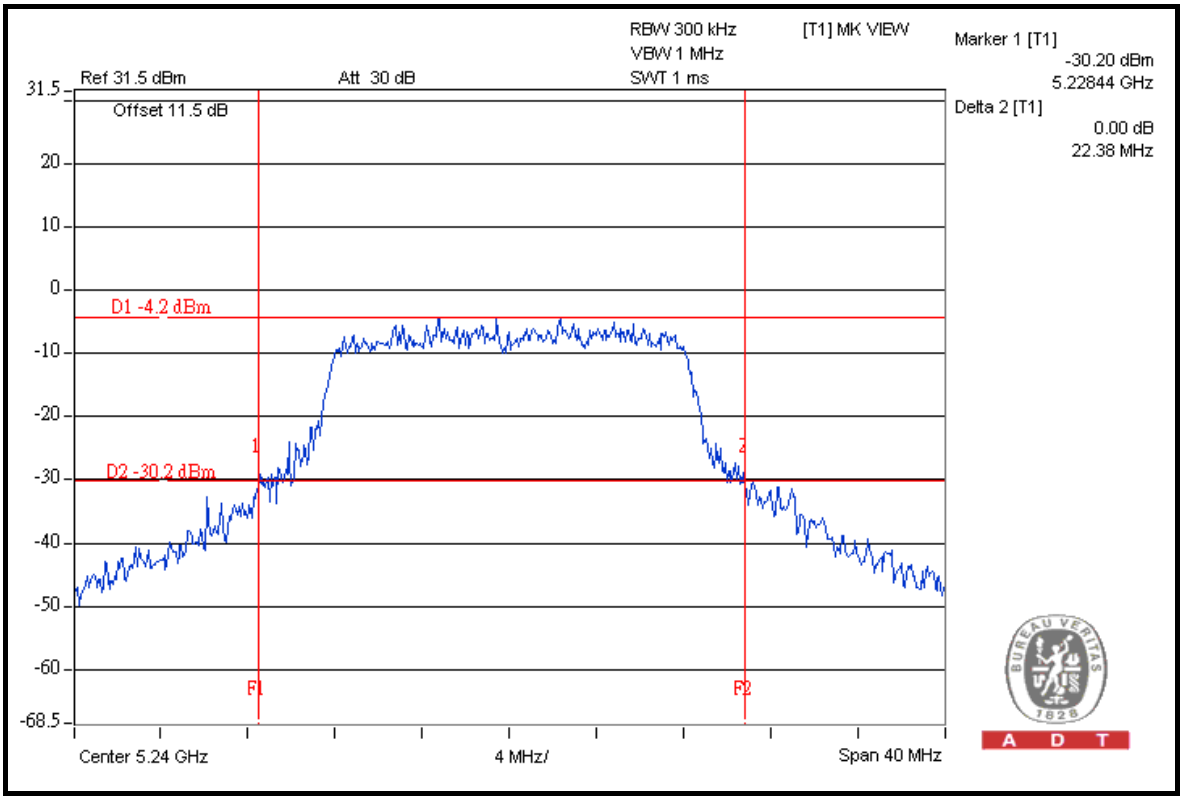
CHAIN 0 CH 36



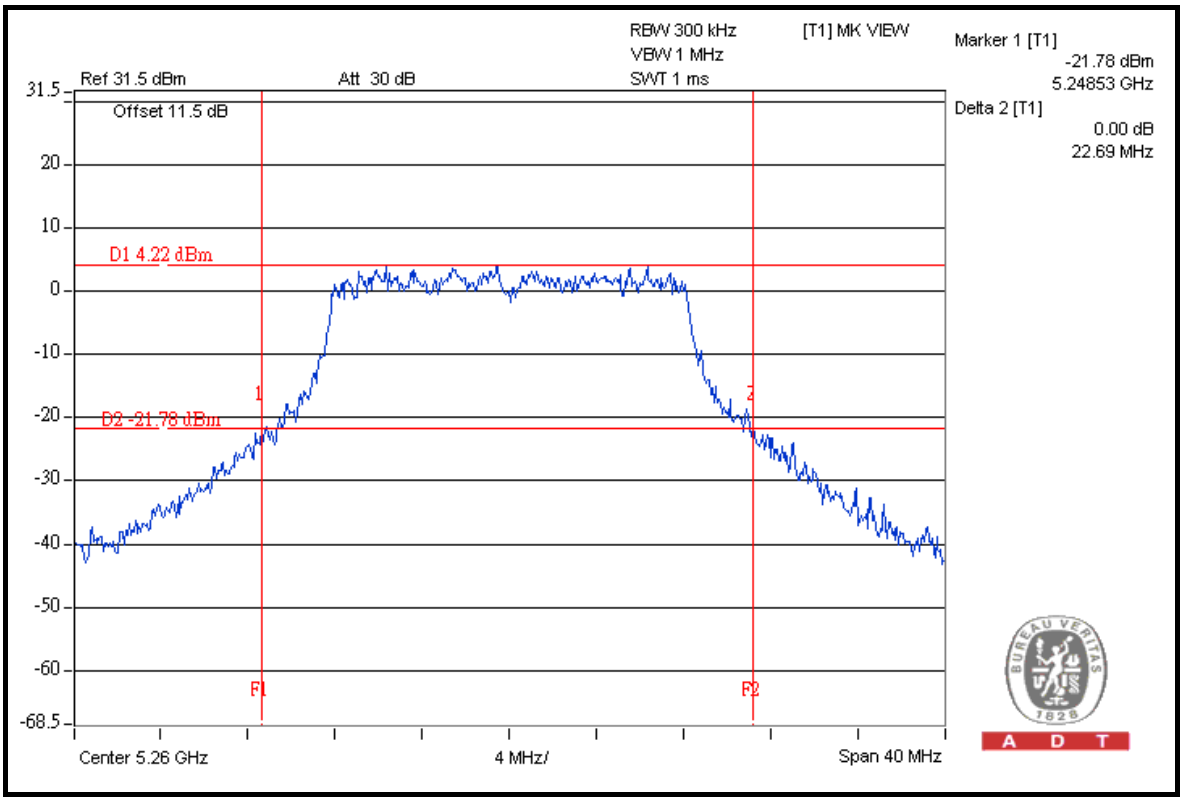
CH 40



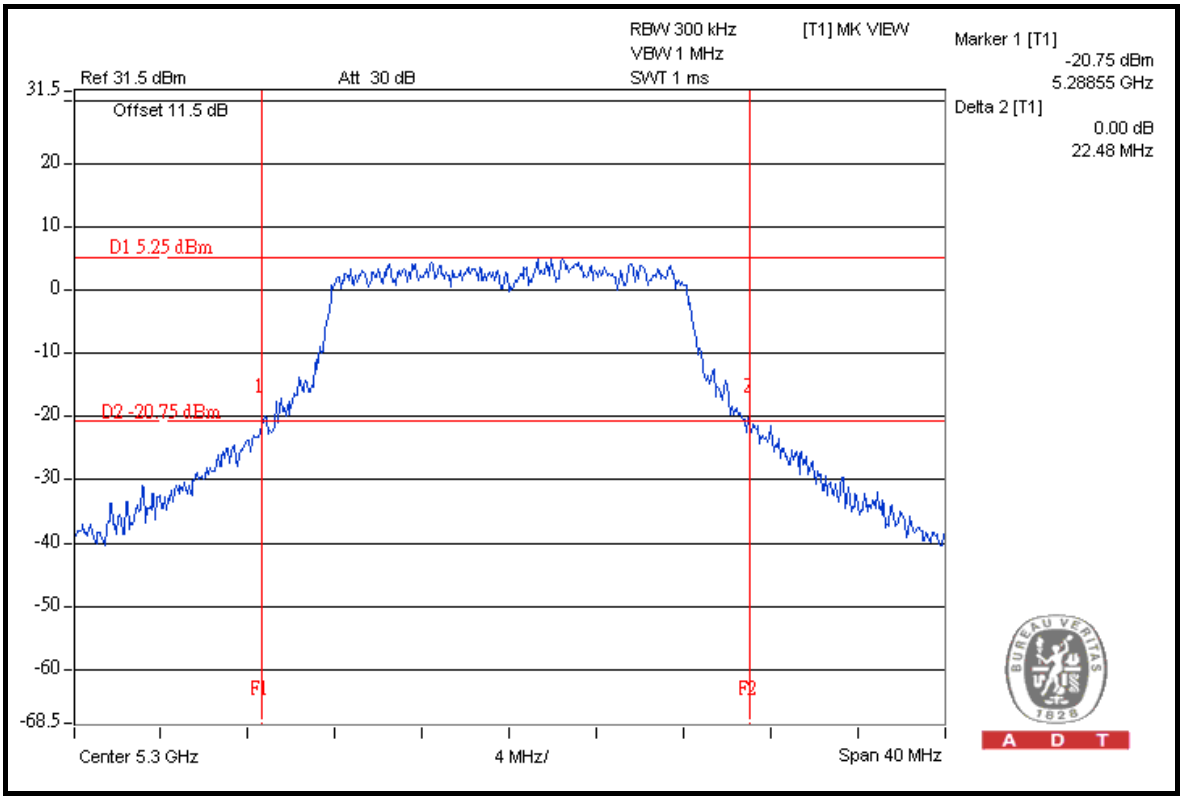
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-30.20 dBm
5.22844 GHz
Delta 2 [T1]
0.00 dB
22.38 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 -4.2 dBm
D2 -30.2 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

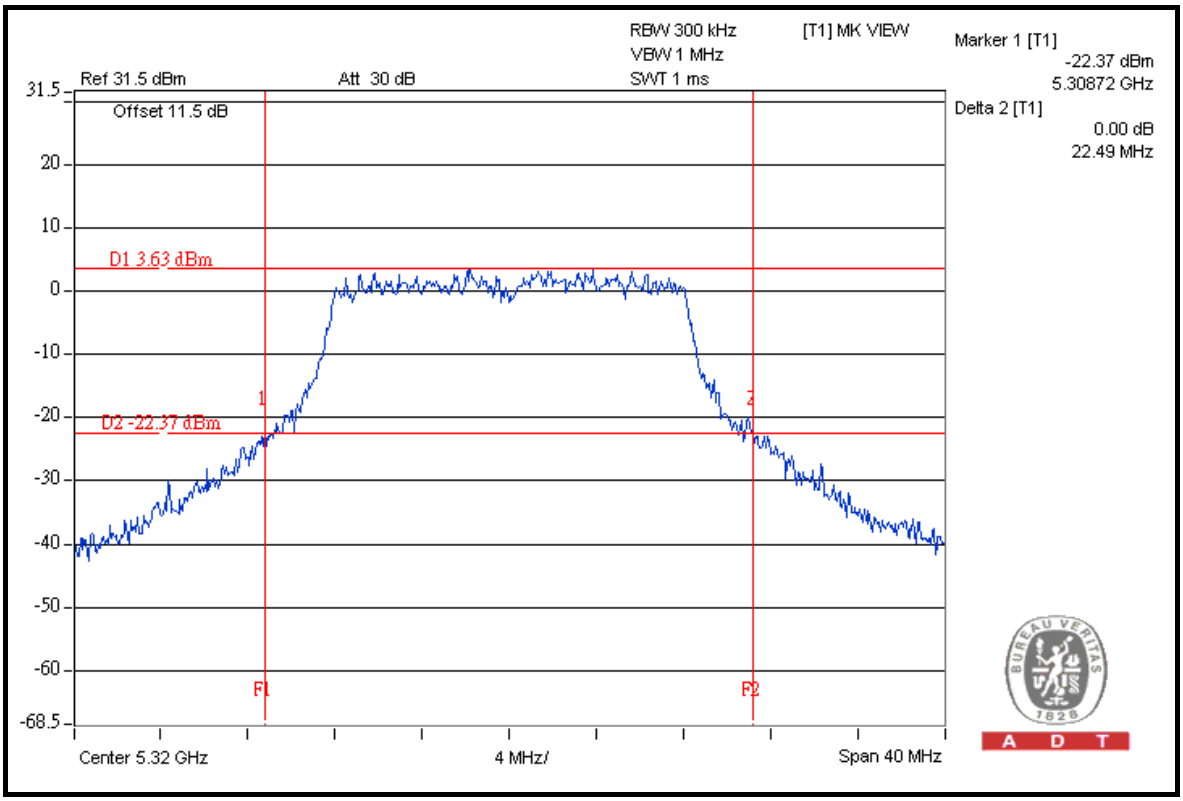
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.78 dBm
5.24853 GHz
Delta 2 [T1]
0.00 dB
22.69 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.22 dBm
D2 -21.78 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

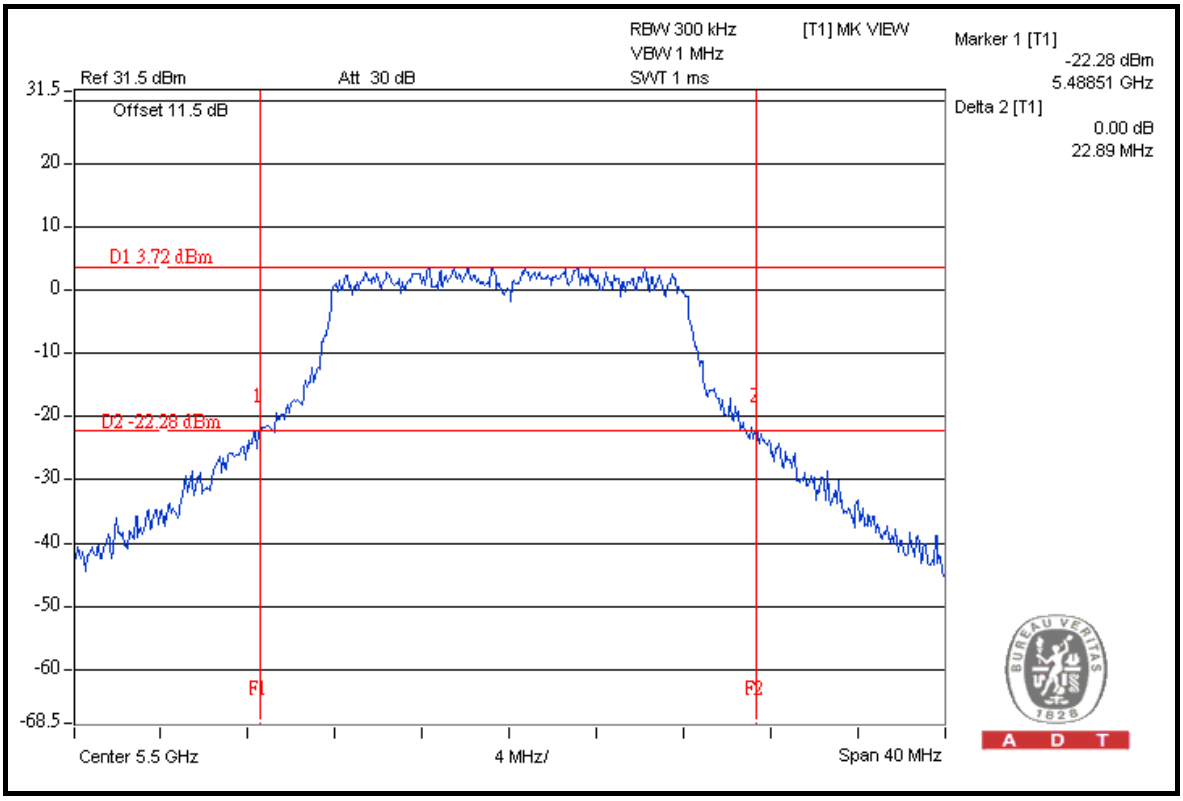
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-20.75 dBm
5.28855 GHz
Delta 2 [T1]
0.00 dB
22.48 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 5.25 dBm
D2 -20.75 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

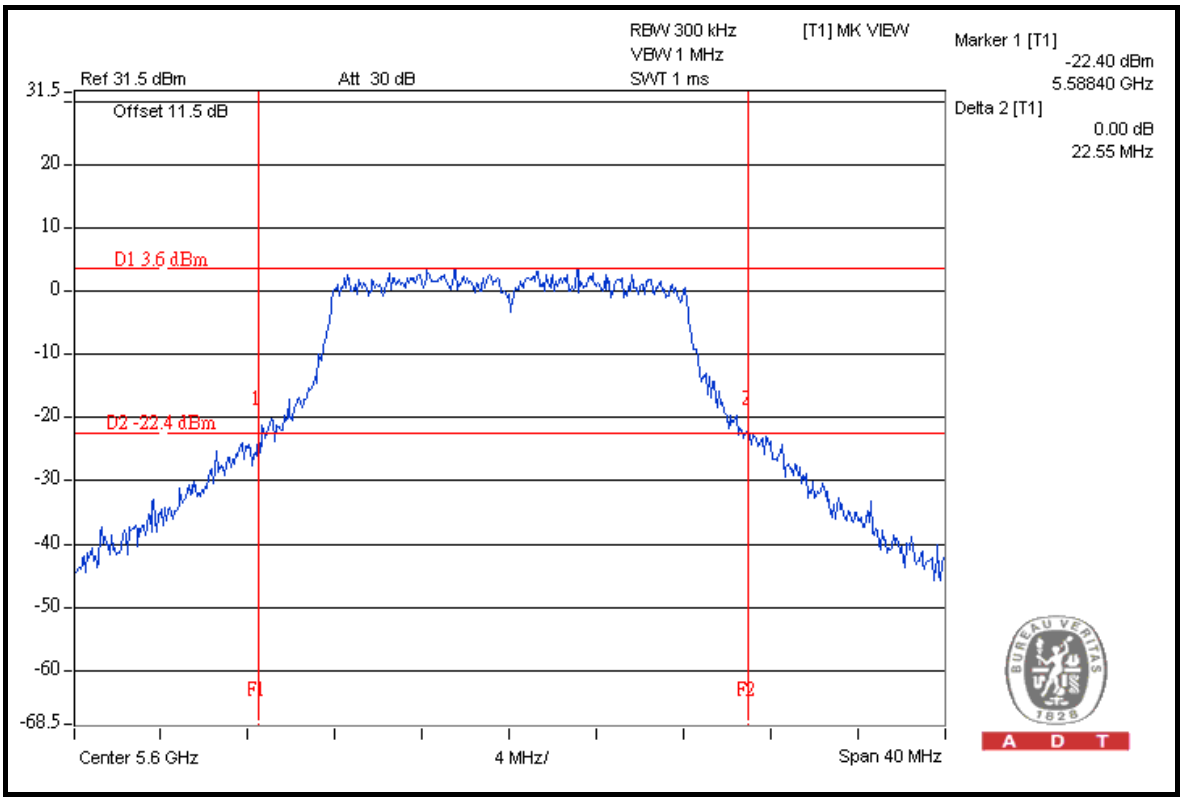
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.37 dBm
5.30872 GHz
Delta 2 [T1]
0.00 dB
22.49 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.63 dBm
D2 -22.37 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

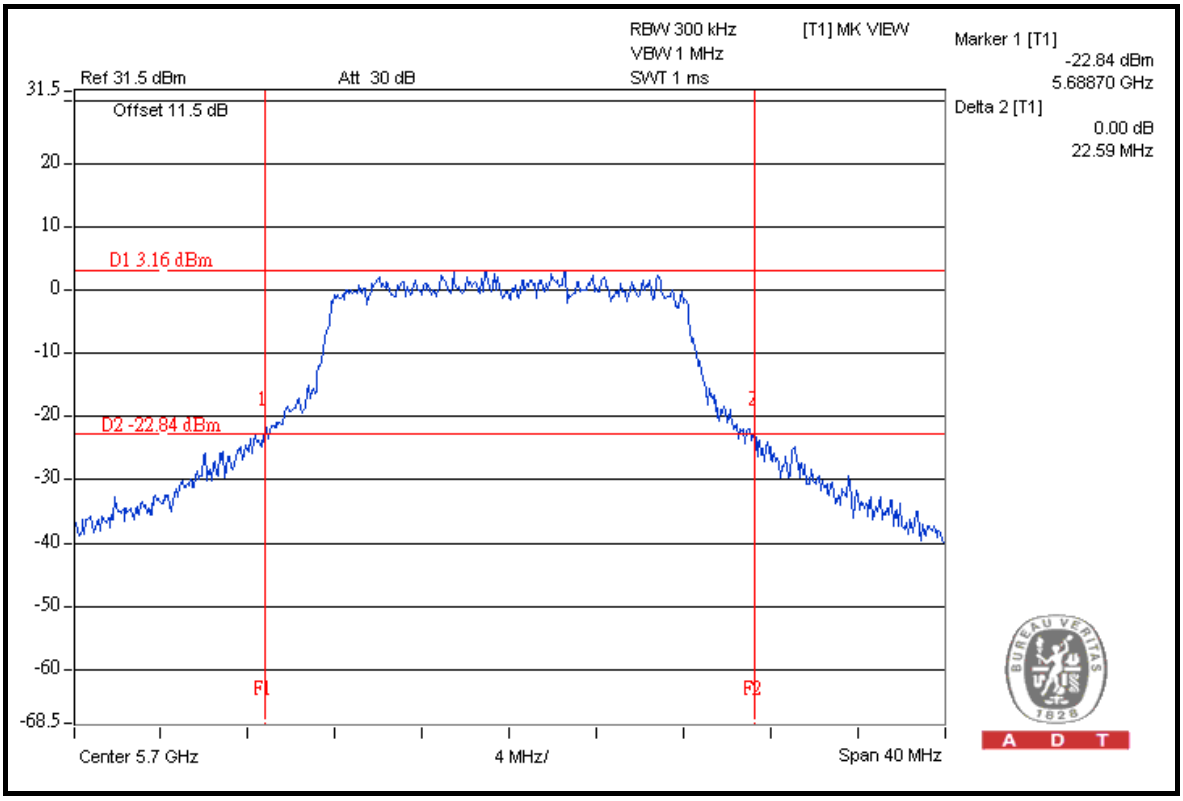
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.28 dBm
5.48851 GHz
Delta 2 [T1]
0.00 dB
22.89 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.72 dBm
D2 -22.28 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

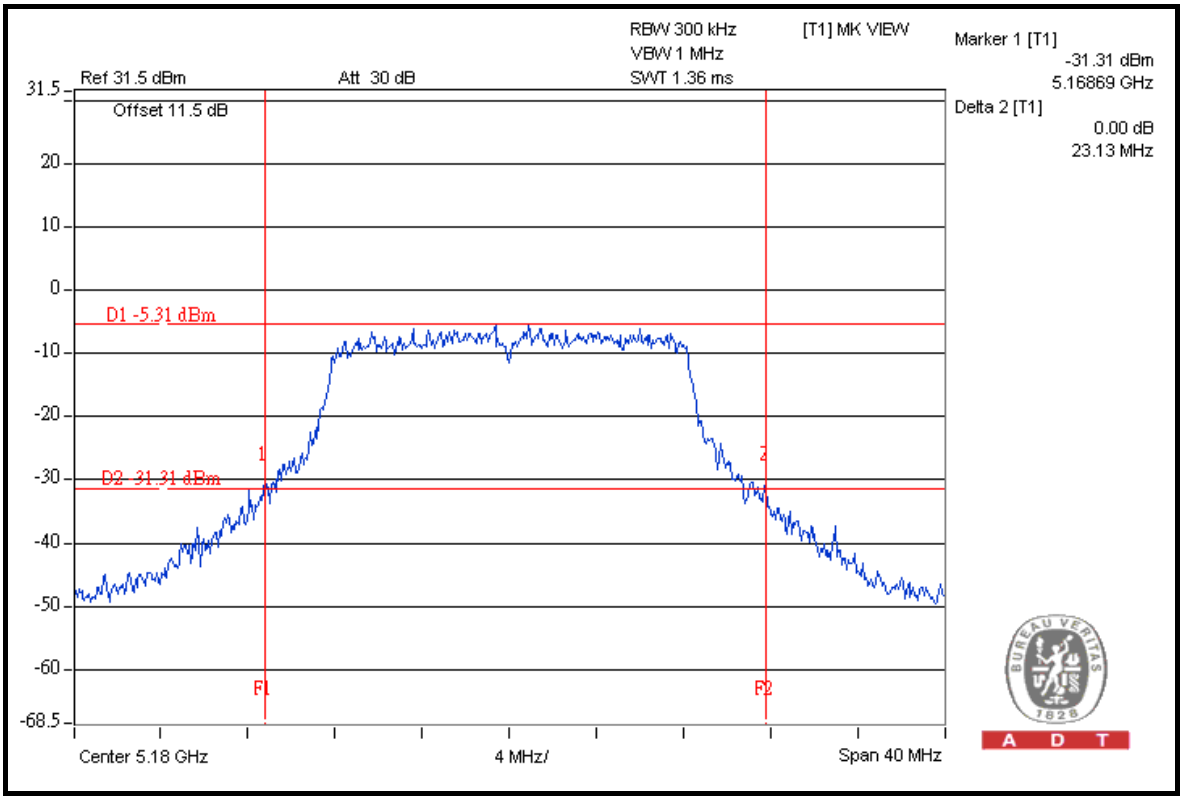
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.40 dBm
5.58840 GHz
Delta 2 [T1]
0.00 dB
22.55 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.6 dBm
D2 -22.4 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

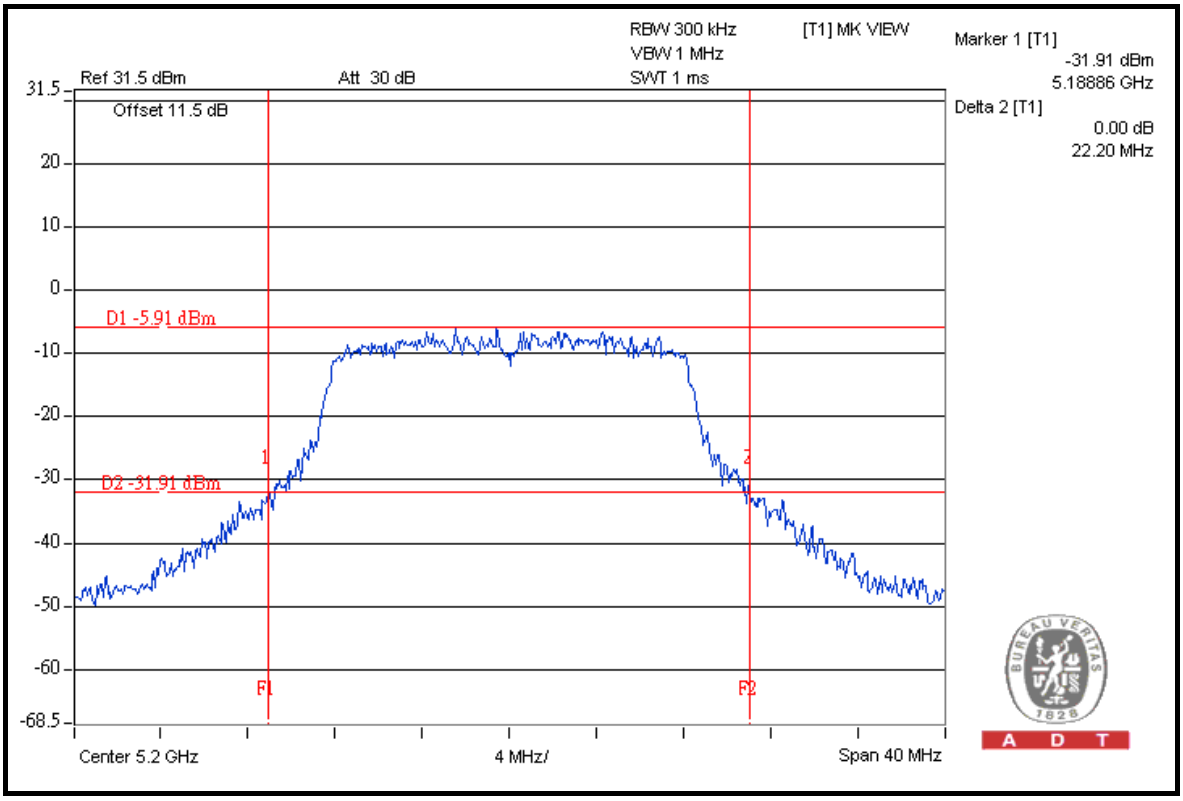
CH 140



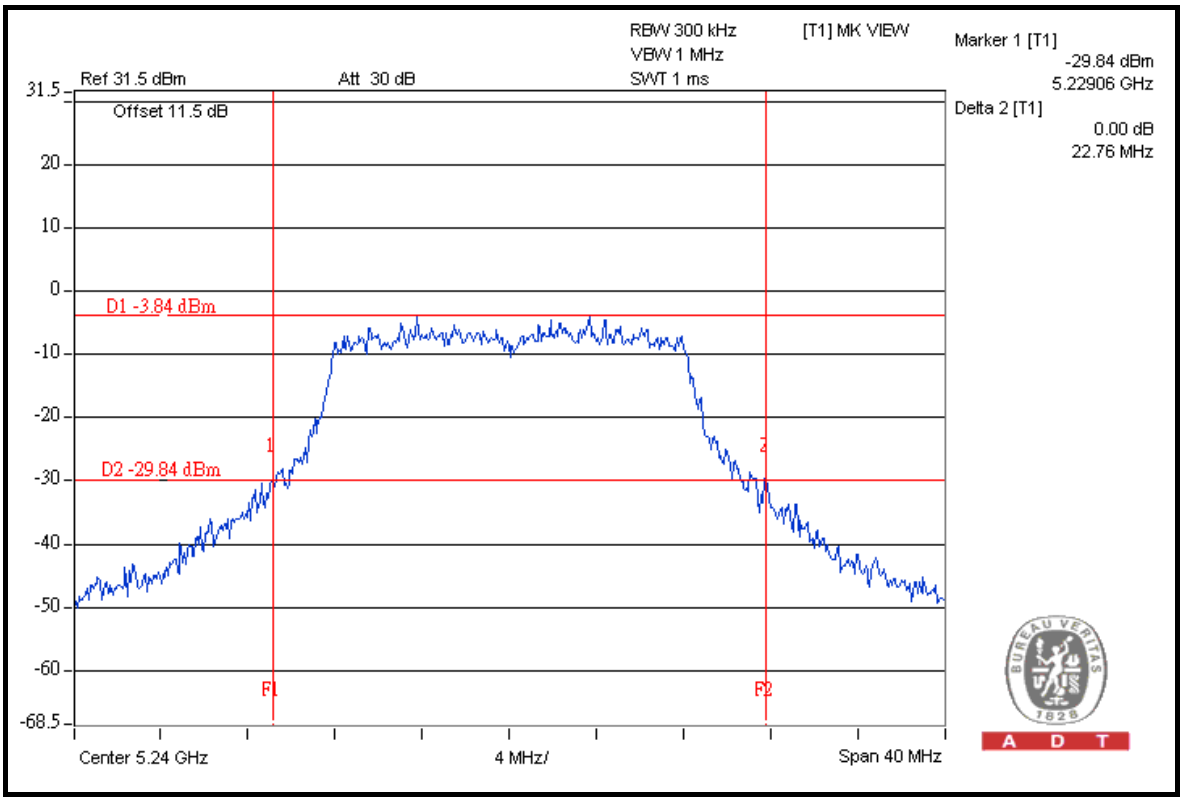
CHAIN 1 CH 36



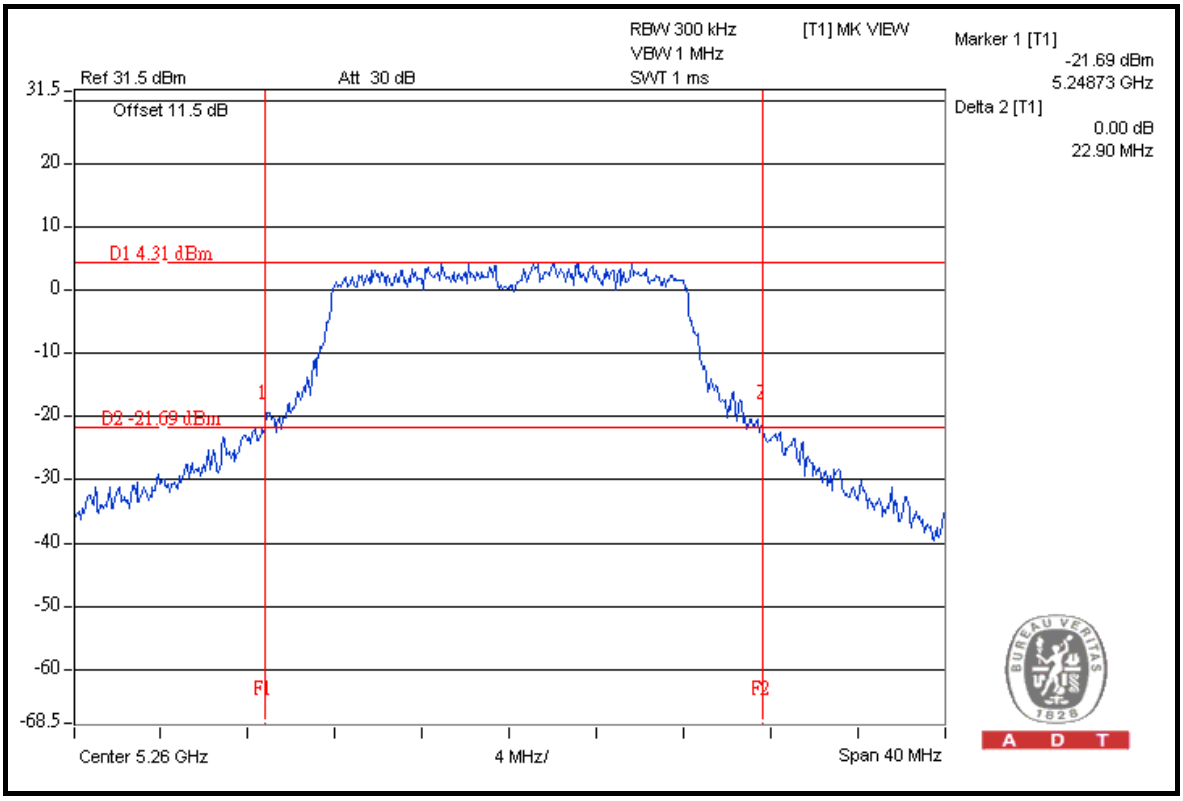
CH 40


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-31.91 dBm
5.18886 GHz
Delta 2 [T1]
0.00 dB
22.20 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 -5.91 dBm
D2 -31.91 dBm
1
2
F1
F2
Center 5.2 GHz
4 MHz/
Span 40 MHz

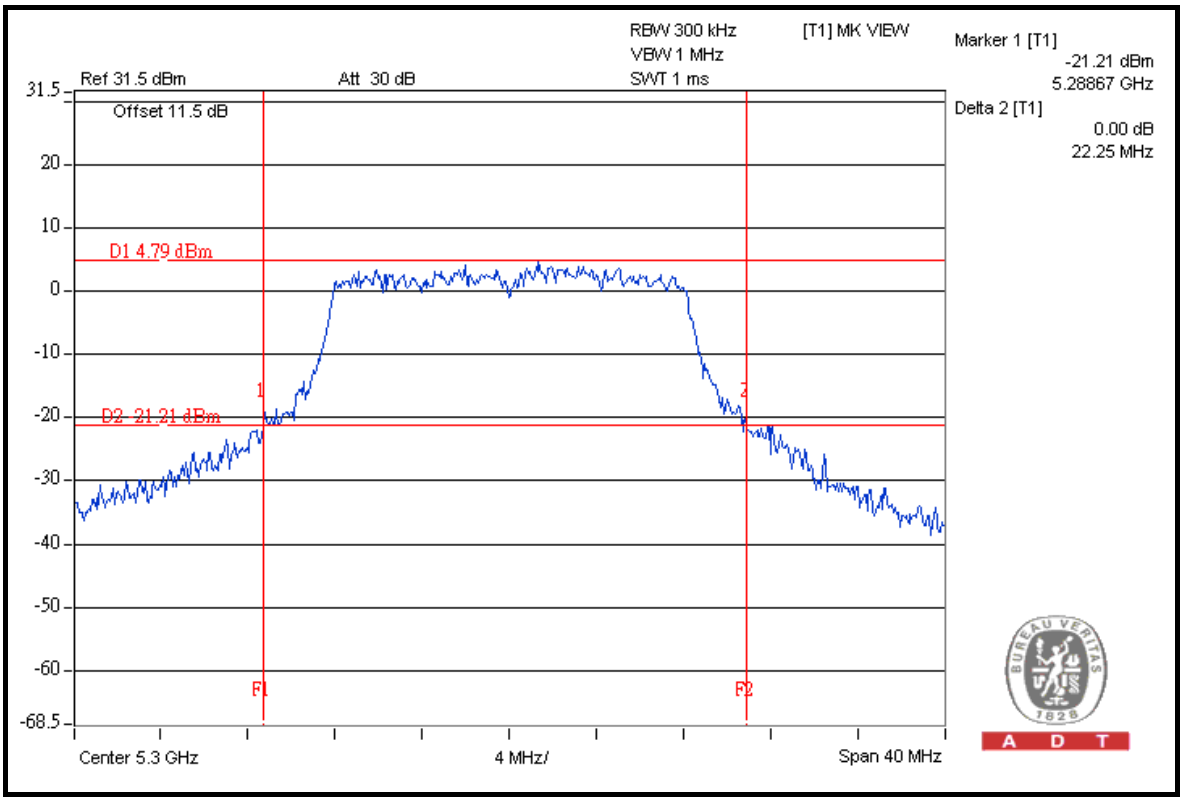
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-29.84 dBm
5.22906 GHz
Delta 2 [T1]
0.00 dB
22.76 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 -3.84 dBm
D2 -29.84 dBm
1
2
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

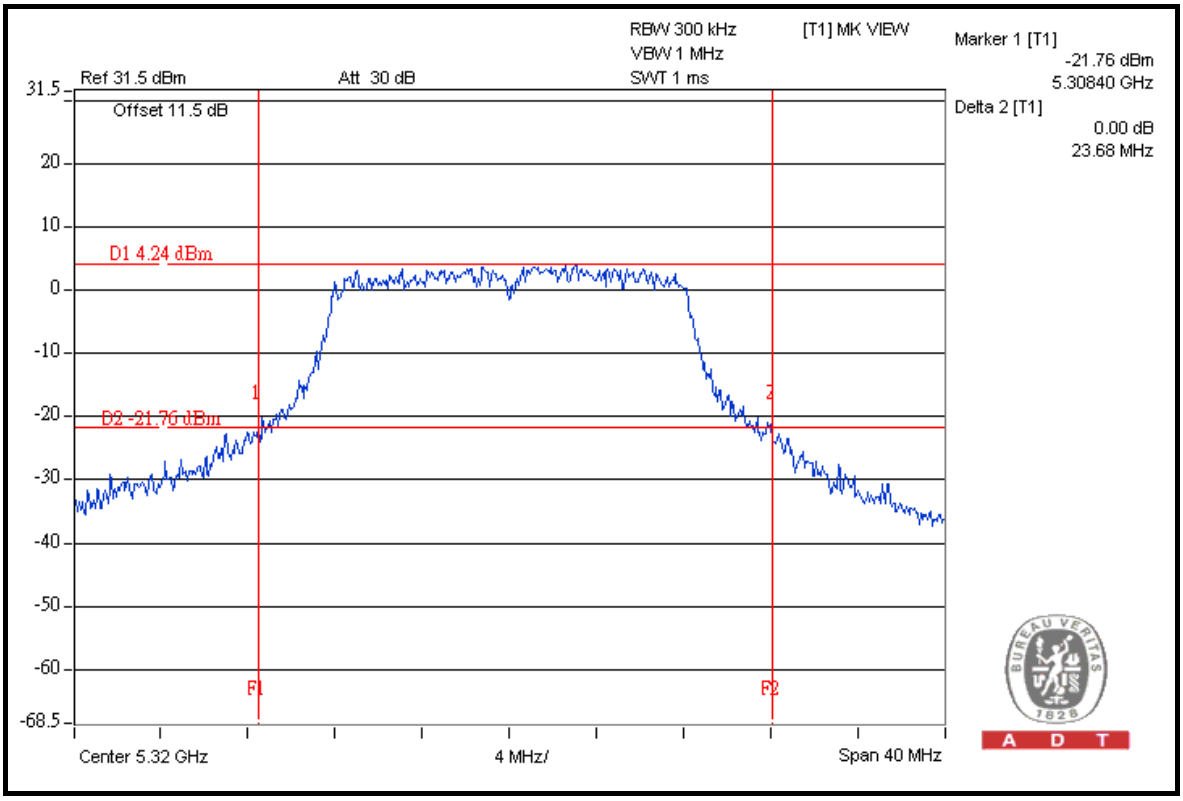
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.69 dBm
5.24873 GHz
Delta 2 [T1]
0.00 dB
22.90 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.31 dBm
D2 -21.69 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

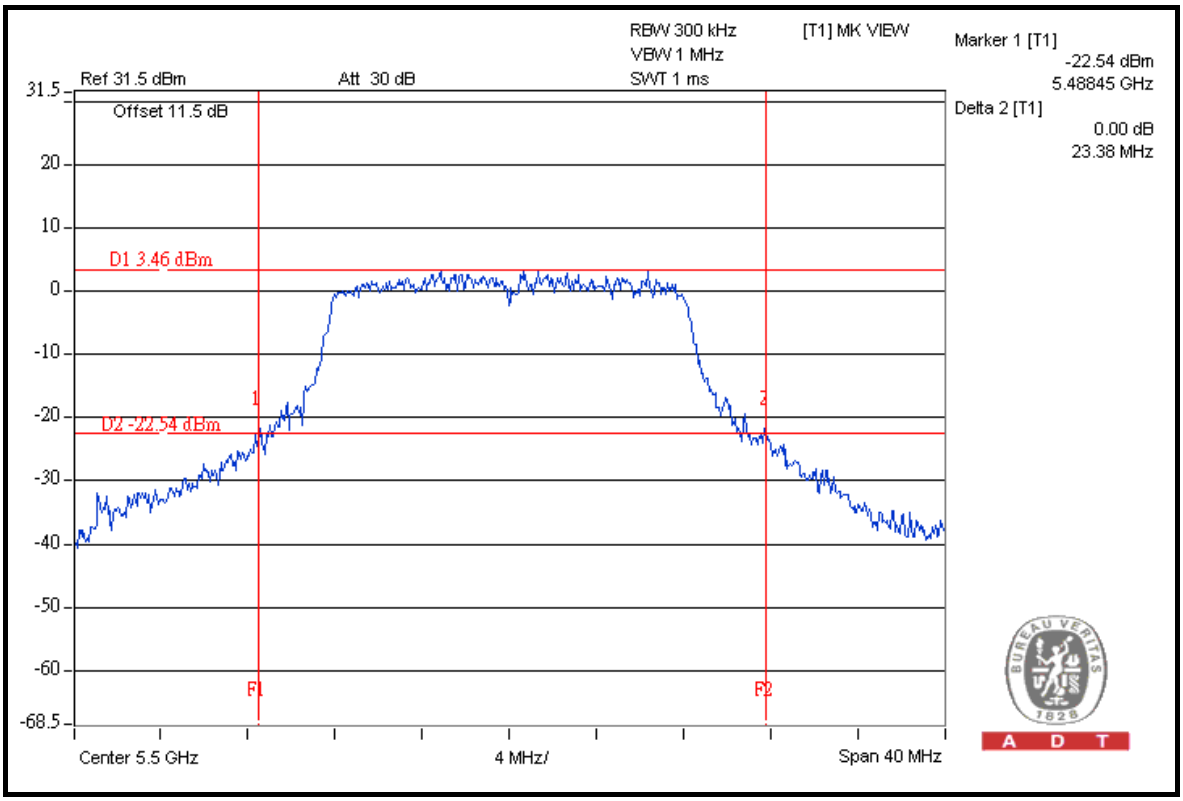
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.21 dBm
5.28867 GHz
Delta 2 [T1]
0.00 dB
22.25 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.79 dBm
D2 -21.21 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

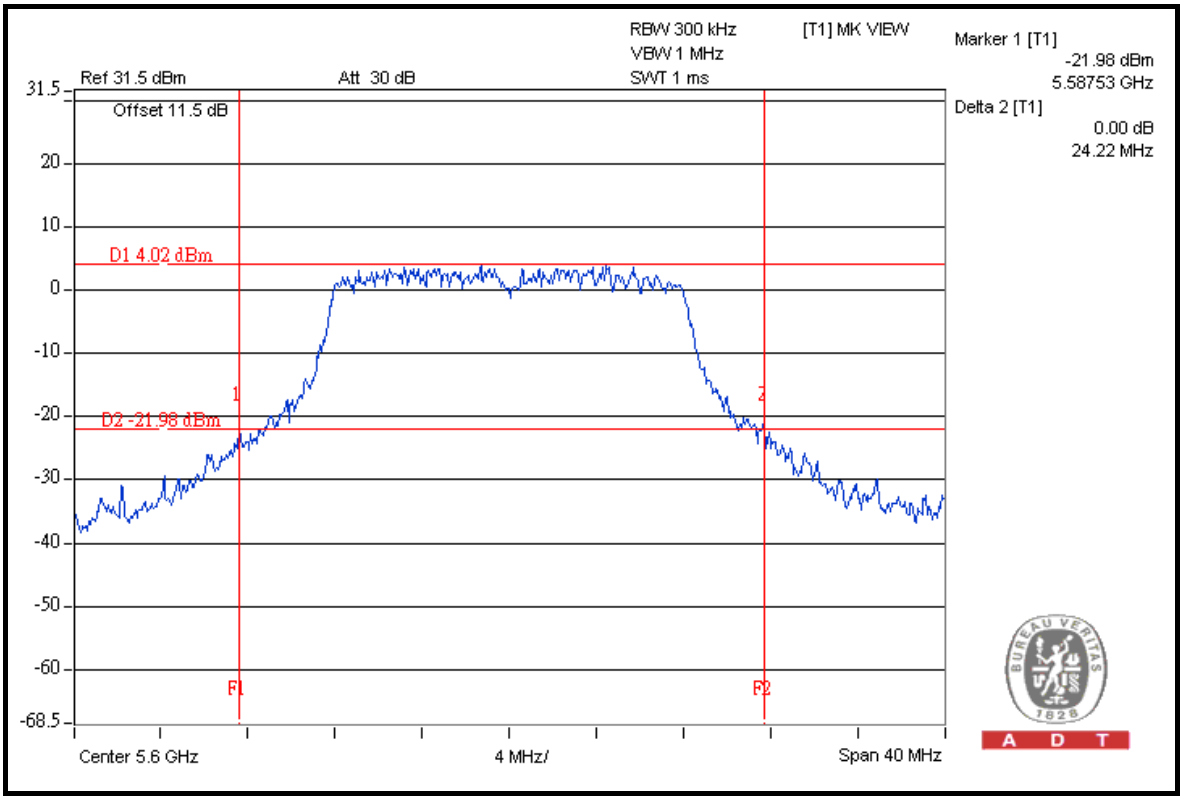
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.76 dBm
5.30840 GHz
Delta 2 [T1]
0.00 dB
23.68 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.24 dBm
D2 -21.76 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

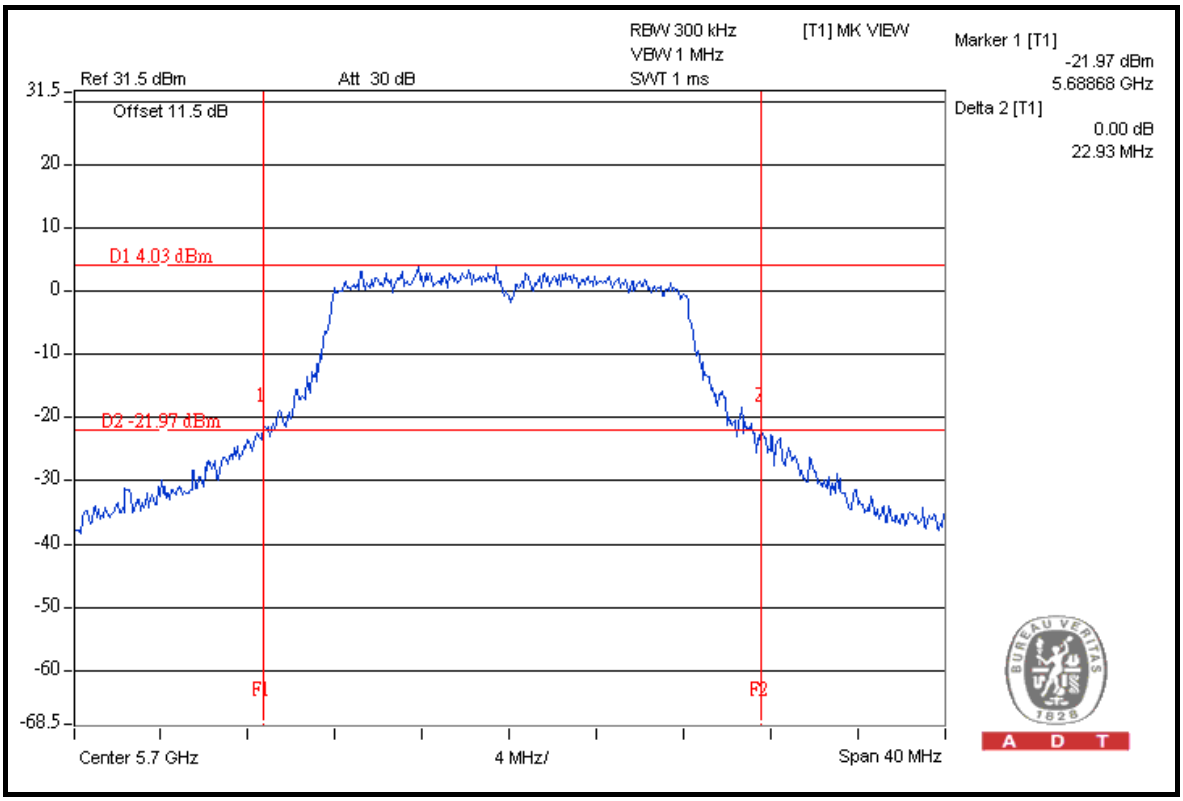
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.54 dBm
5.48845 GHz
Delta 2 [T1]
0.00 dB
23.38 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.46 dBm
D2 -22.54 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.98 dBm
5.58753 GHz
Delta 2 [T1]
0.00 dB
24.22 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.02 dBm
D2 -21.98 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

CH 140

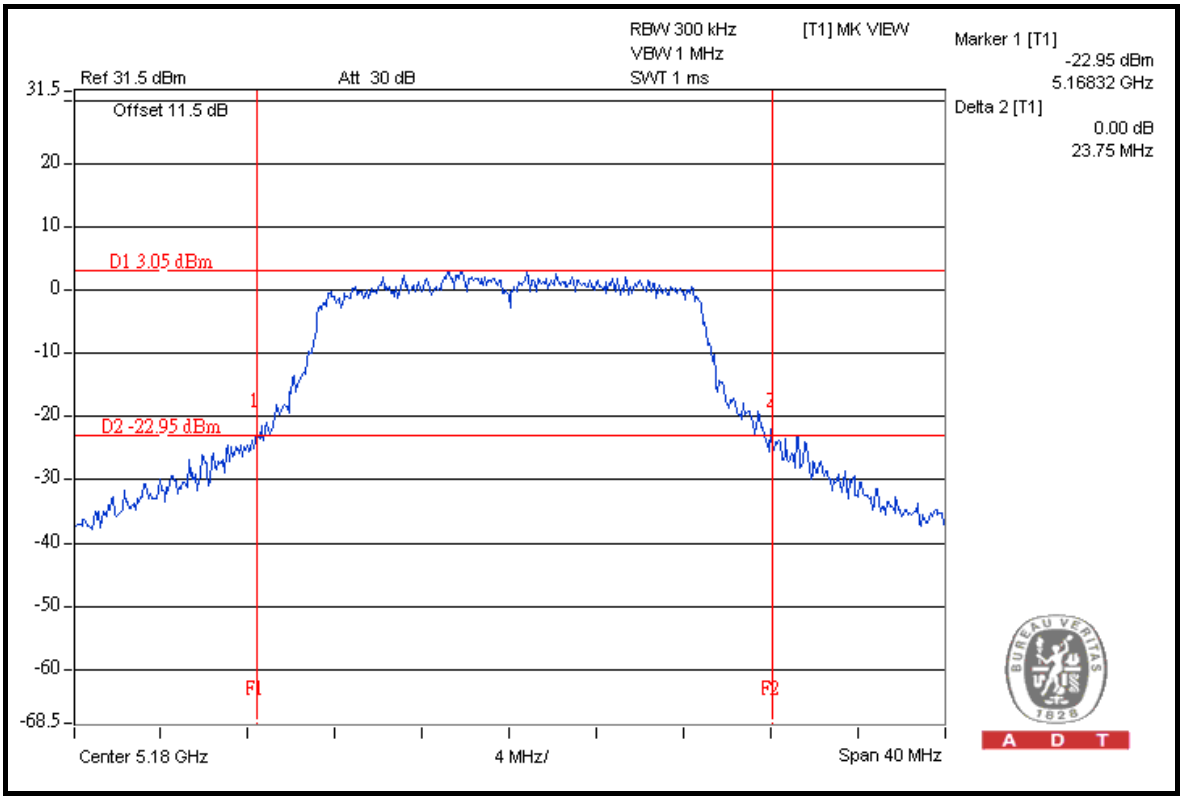

RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.97 dBm
5.68868 GHz
Delta 2 [T1]
0.00 dB
22.93 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.03 dBm
D2 -21.97 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.7 GHz
4 MHz/
Span 40 MHz

DRAFT 802.11n (20MHz) OFDM MODULATION

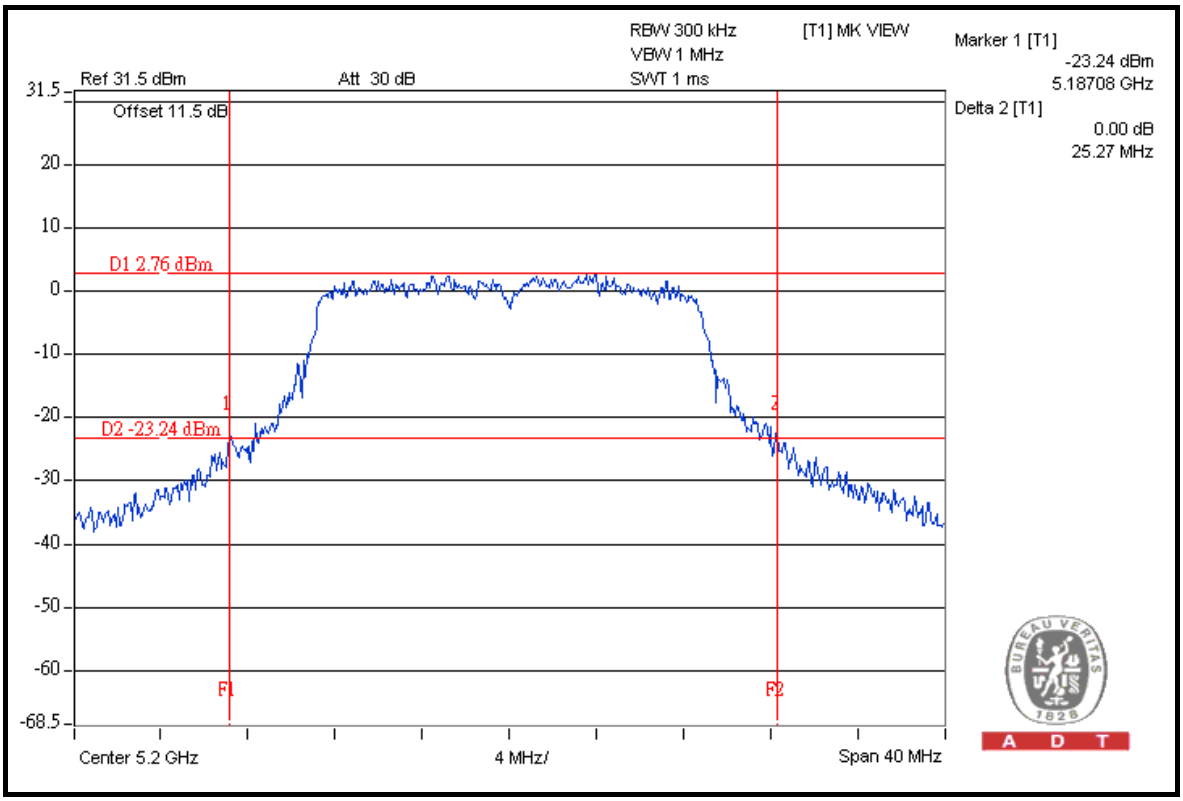
MODULATION TYPE	BPSK	**TRANSFER RATE**	6.5Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
36	5180	23.75	24.12	25.17	PASS
40	5200	25.27	25.49	25.40	PASS
48	5240	24.88	24.09	25.04	PASS
52	5260	36.06	28.75	27.72	PASS
60	5300	33.54	31.42	32.08	PASS
64	5320	31.55	29.55	30.77	PASS
100	5500	31.15	24.72	31.12	PASS
120	5600	33.92	30.81	30.50	PASS
140	5700	34.71	25.76	33.22	PASS

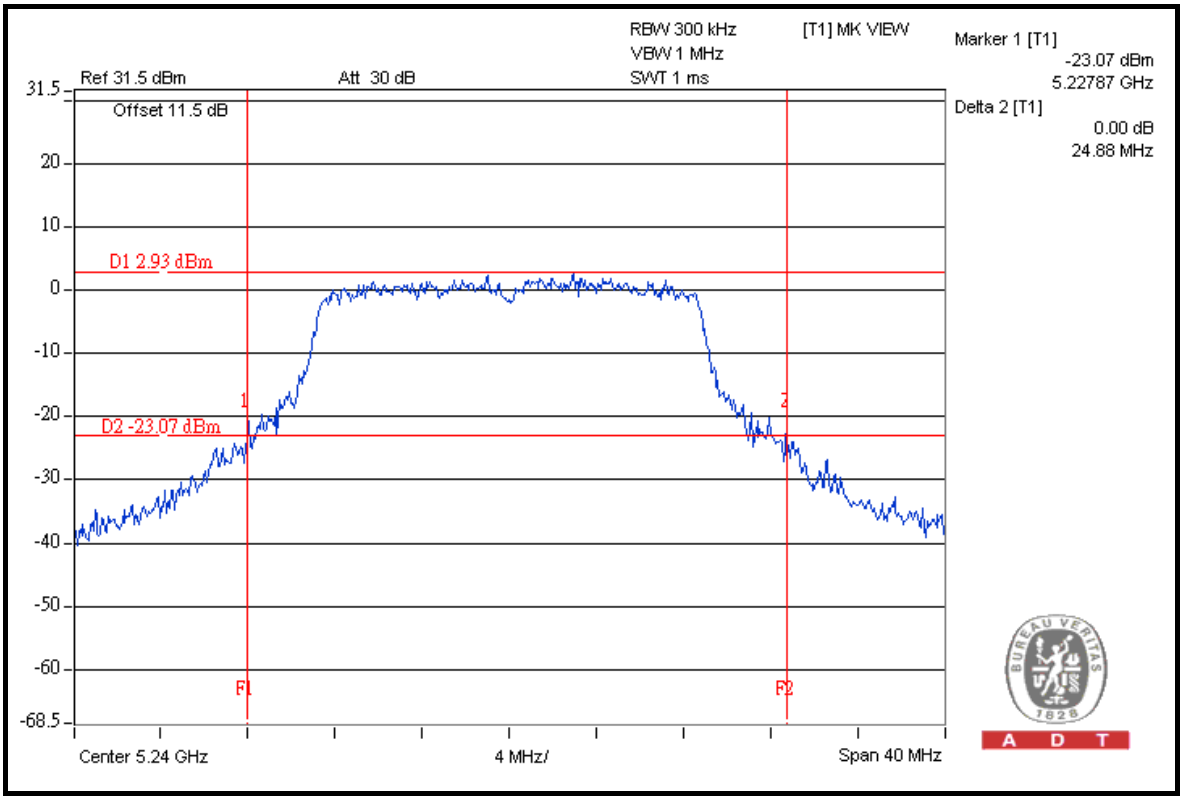
CHAIN 0 CH 36



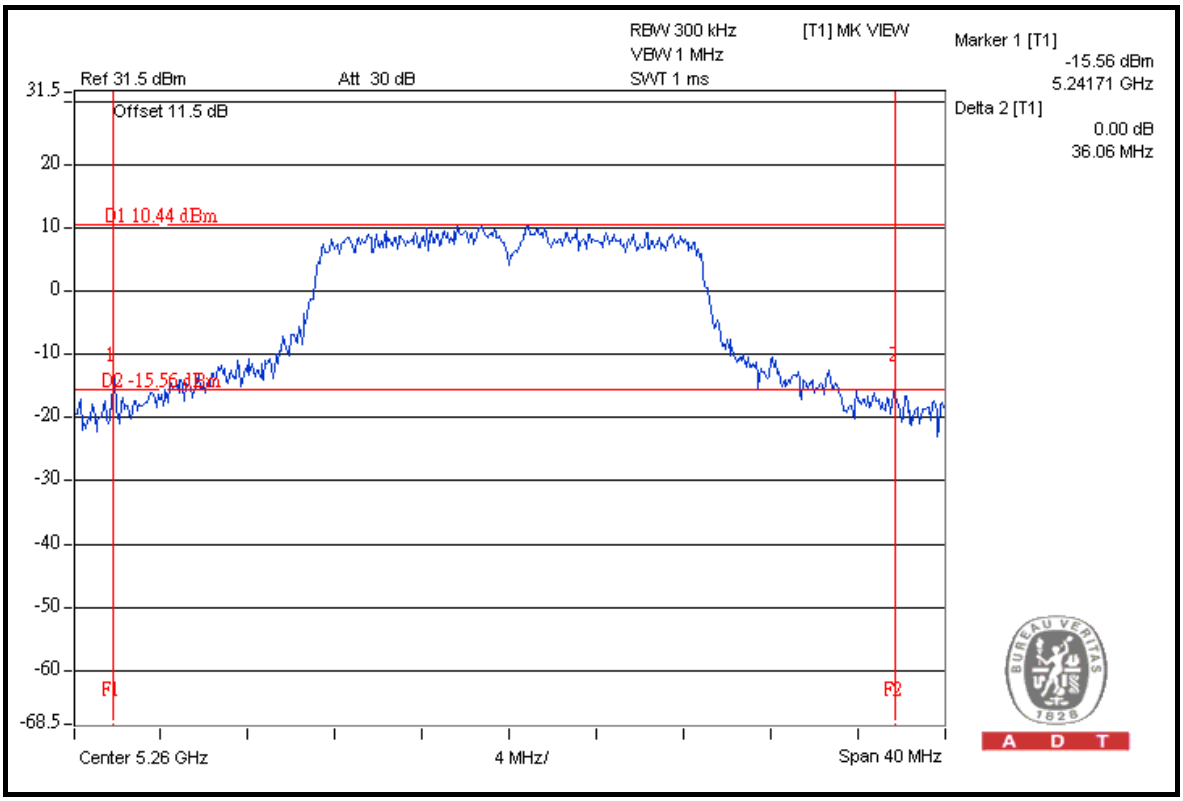
CH 40



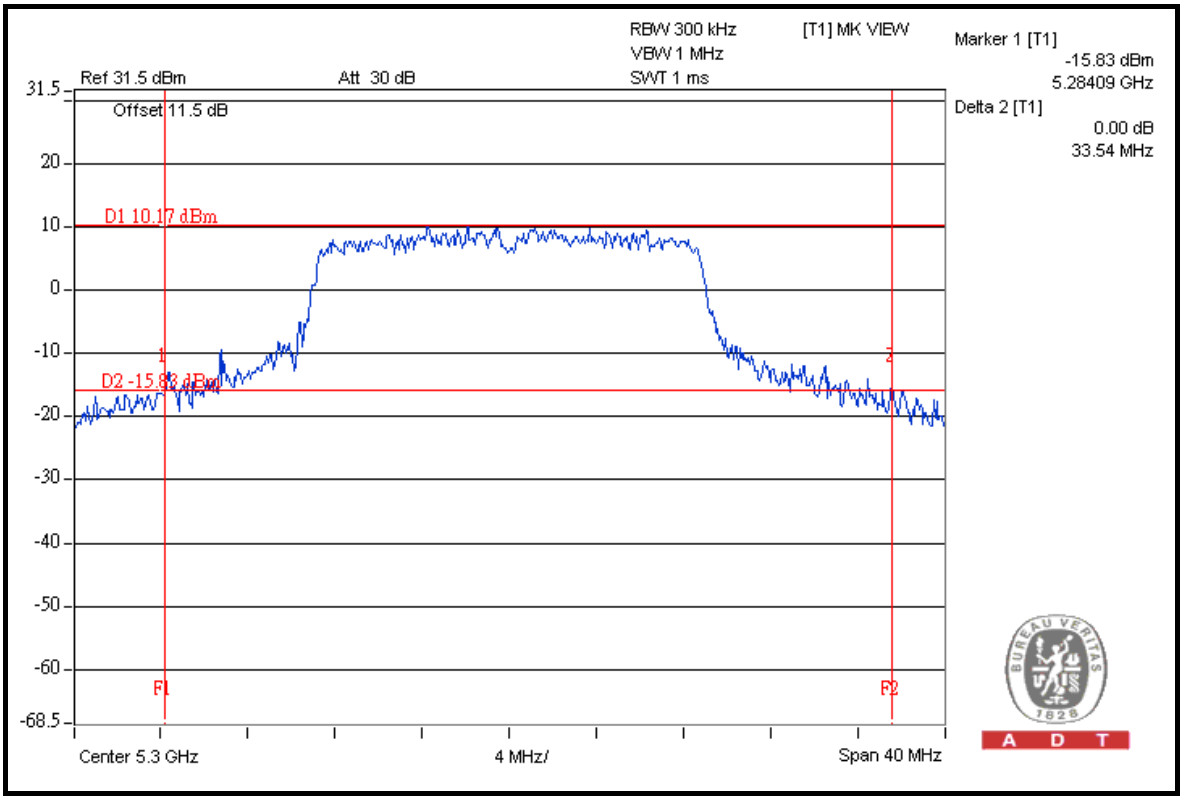
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.07 dBm
5.22787 GHz
Delta 2 [T1]
0.00 dB
24.88 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.93 dBm
D2 -23.07 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.24 GHz
4 MHz/
Span 40 MHz

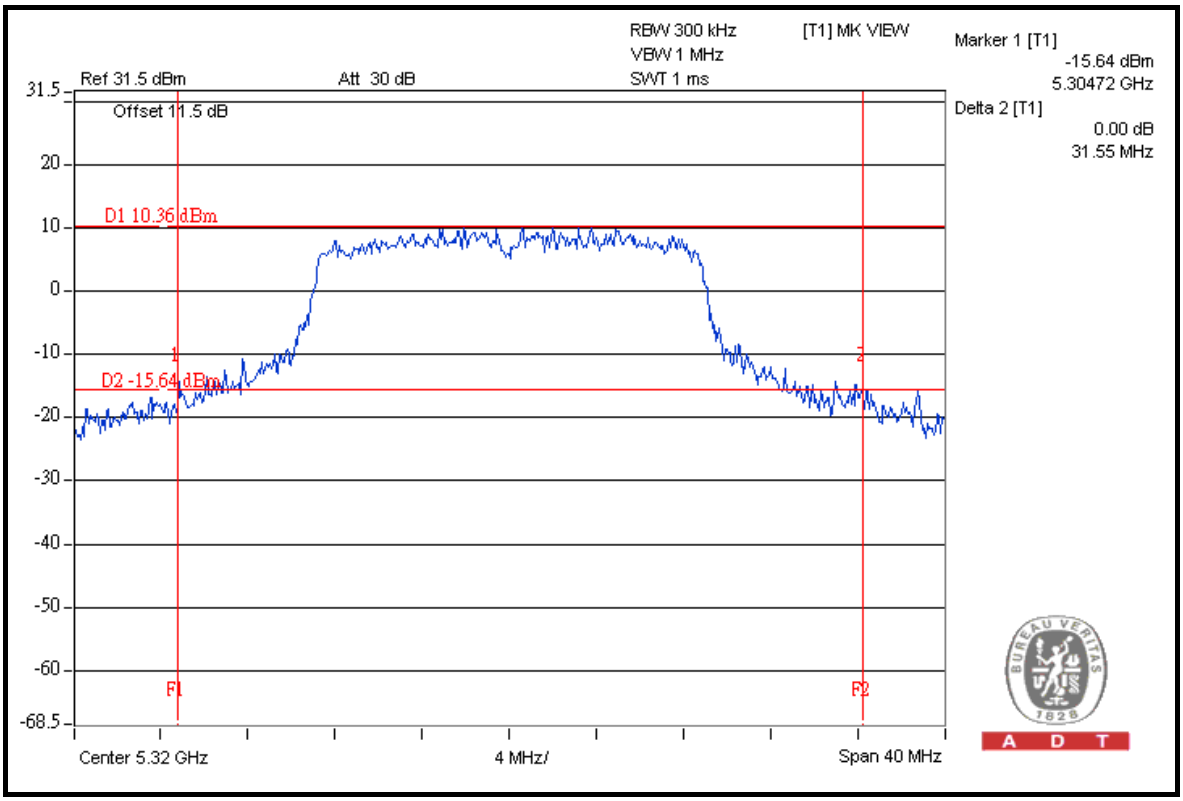
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.56 dBm
5.24171 GHz
Delta 2 [T1]
0.00 dB
36.06 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.44 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.26 GHz
4 MHz/
Span 40 MHz

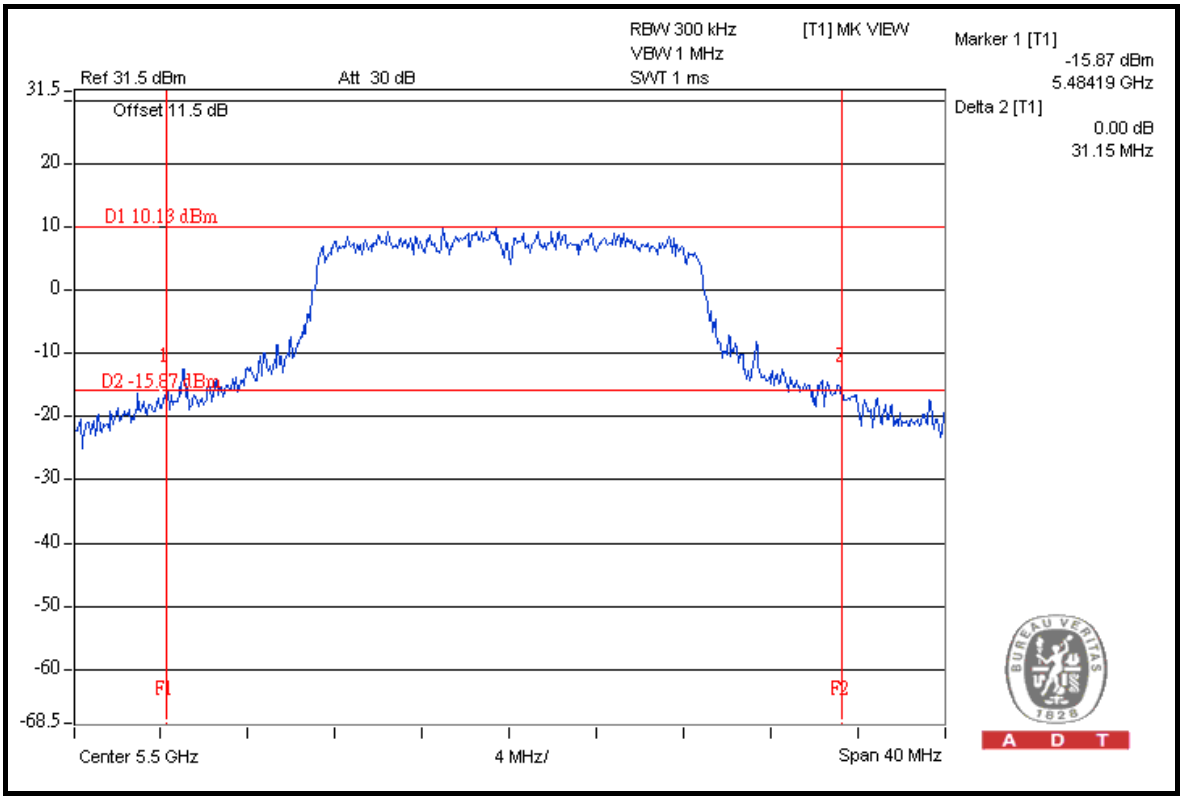
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.83 dBm
5.28409 GHz
Delta 2 [T1]
0.00 dB
33.54 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.17 dBm
D2 -15.83 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

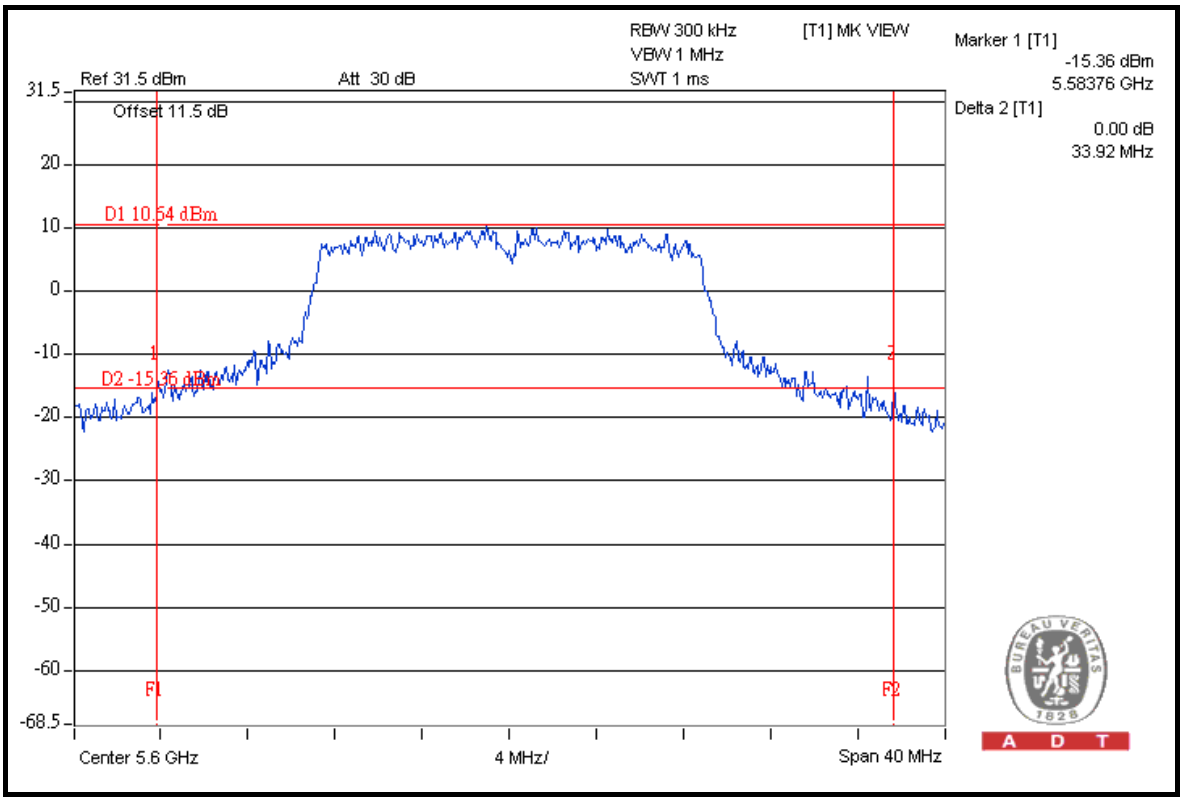
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.64 dBm
5.30472 GHz
Delta 2 [T1]
0.00 dB
31.55 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.36 dBm
D2 -15.64 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

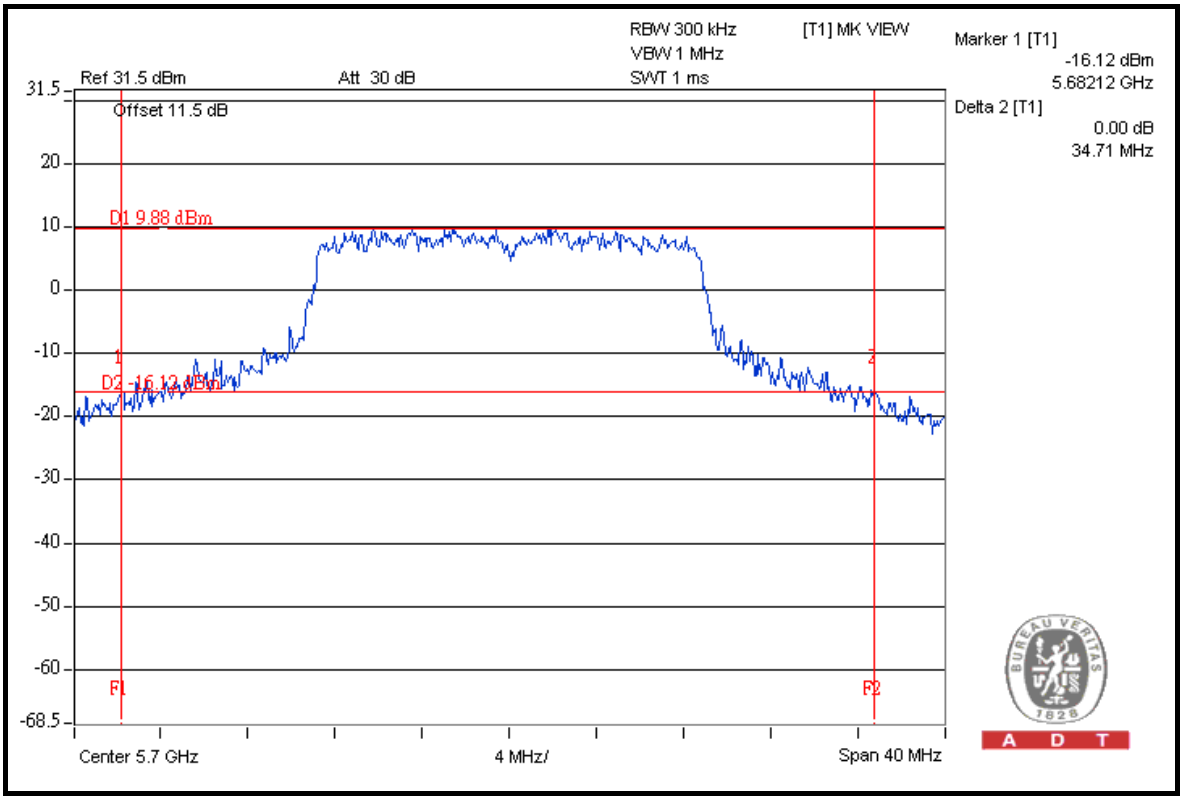
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.87 dBm
5.48419 GHz
Delta 2 [T1]
0.00 dB
31.15 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.13 dBm
D2 -15.87 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

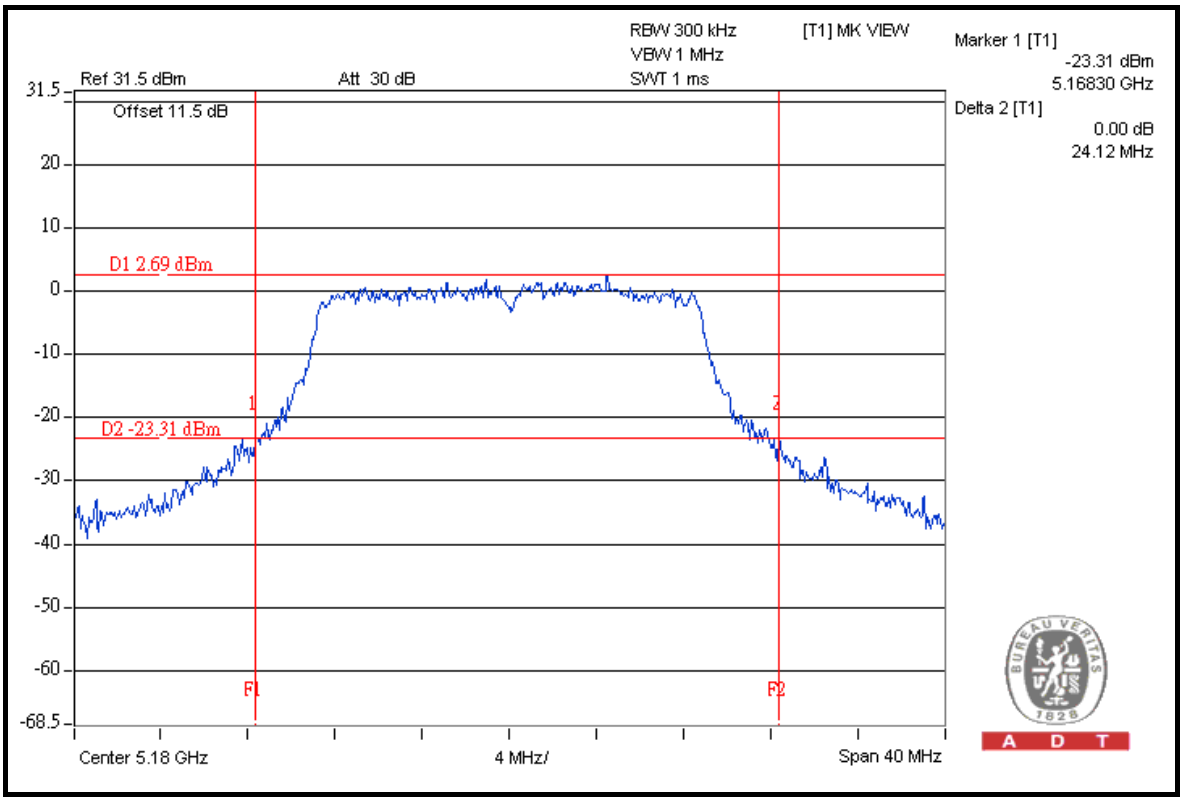
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.36 dBm
5.58376 GHz
Delta 2 [T1]
0.00 dB
33.92 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.64 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

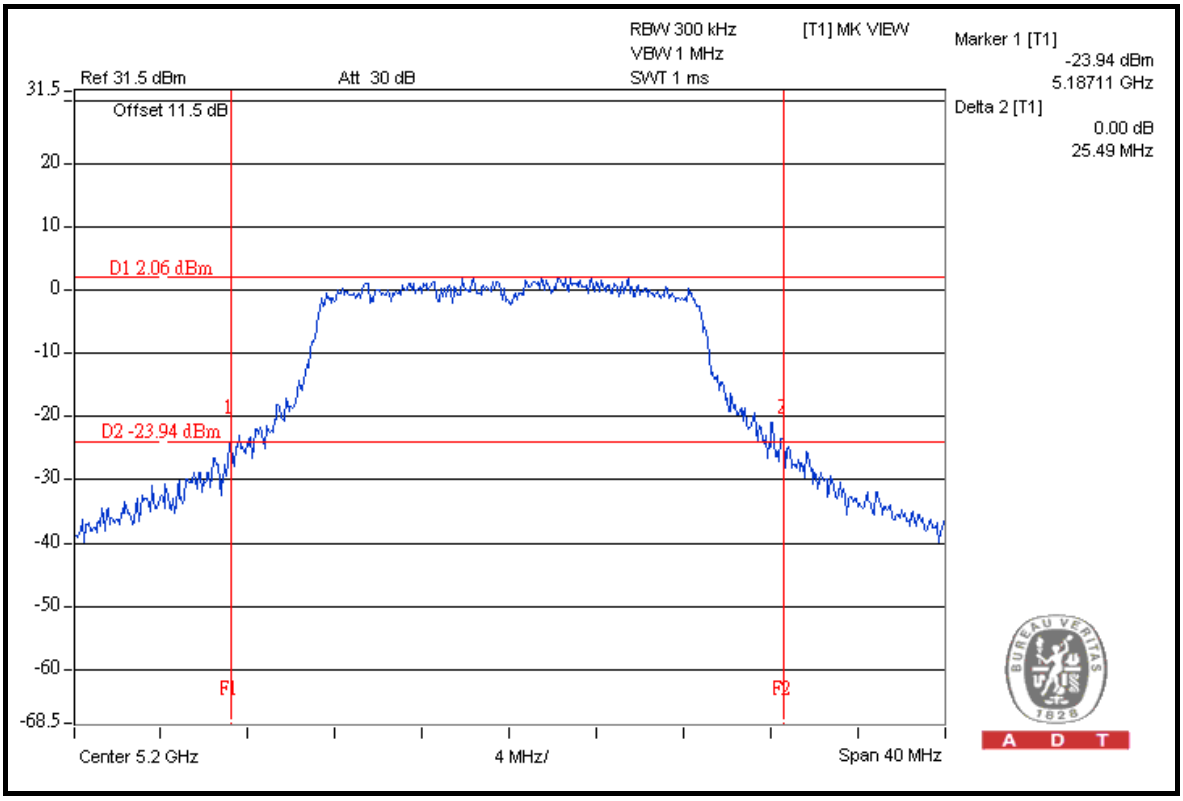
CH 140



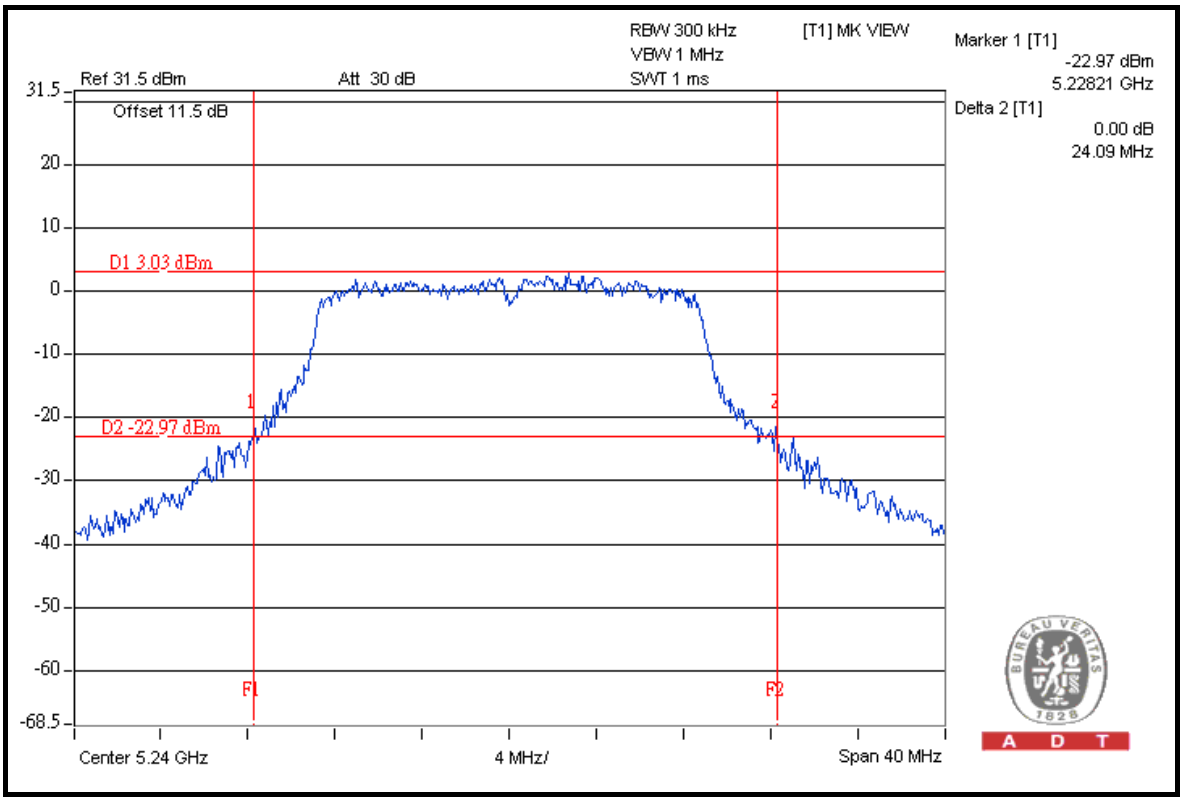
CHAIN 1 CH 36



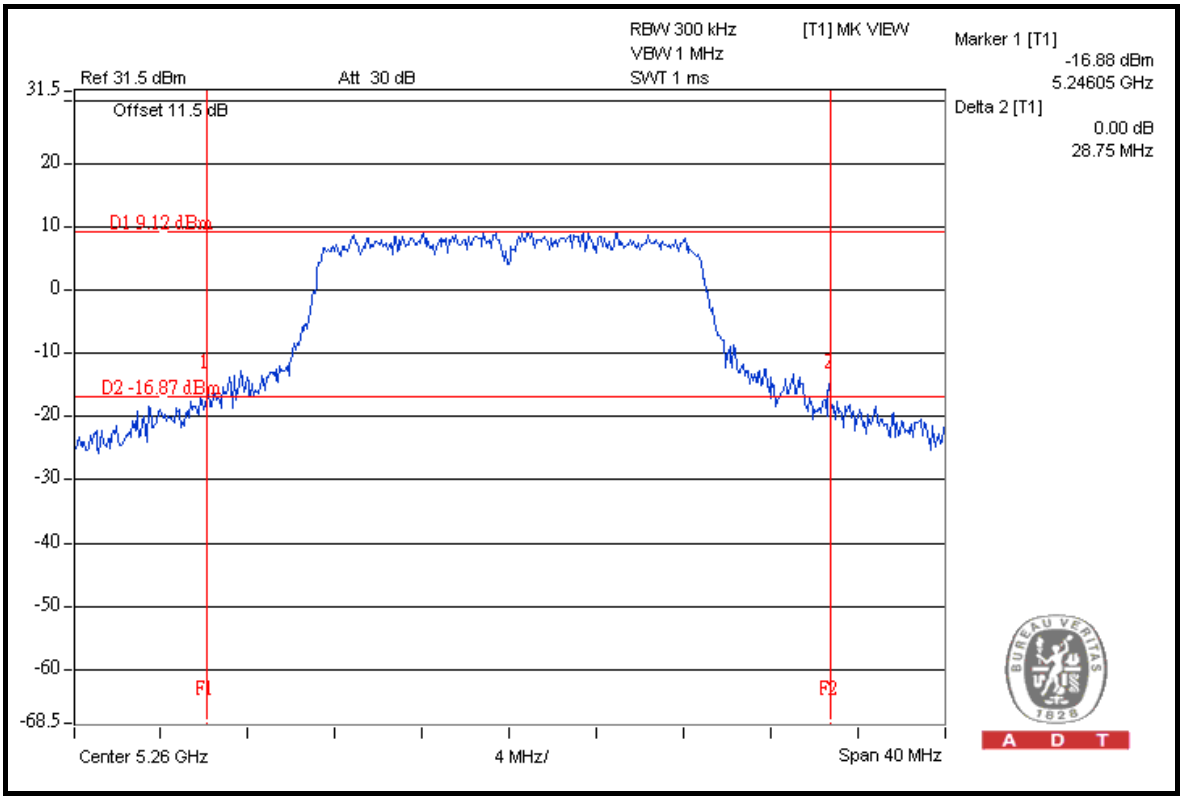
CH 40


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.94 dBm
5.18711 GHz
Delta 2 [T1]
0.00 dB
25.49 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.06 dBm
D2 -23.94 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.2 GHz
4 MHz/
Span 40 MHz

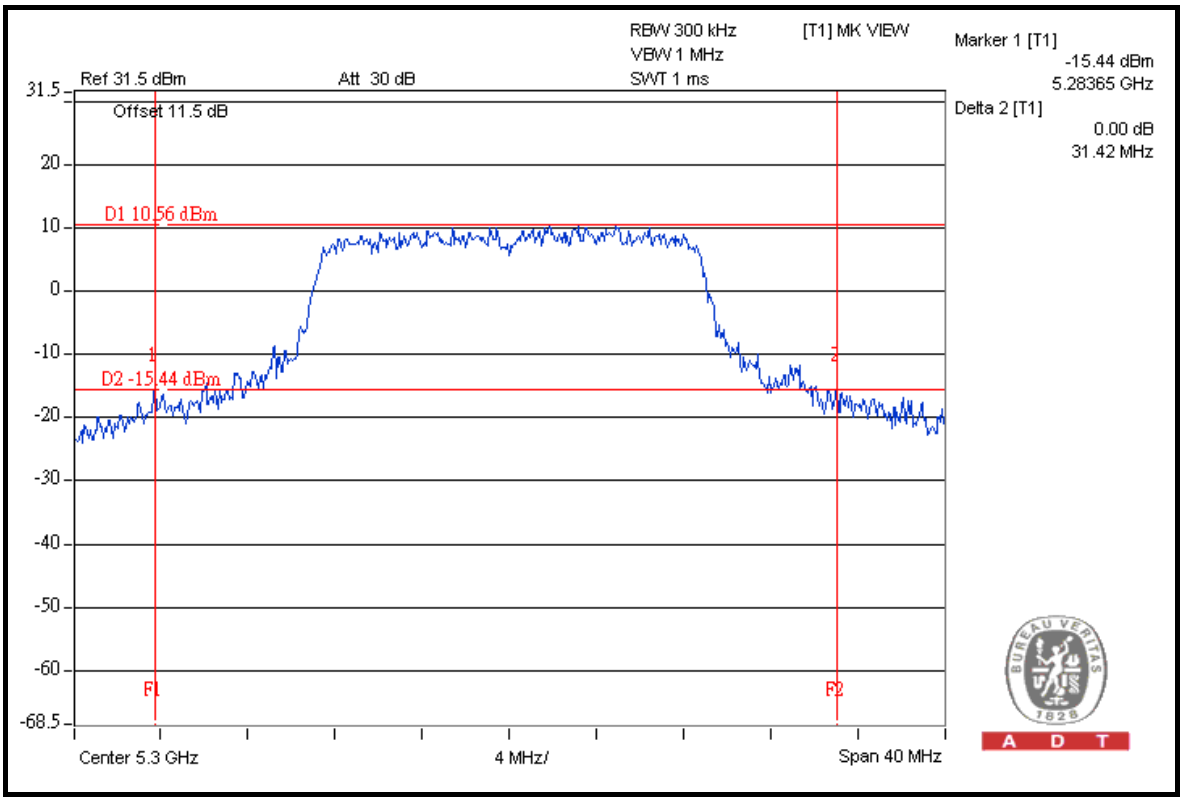
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.97 dBm
5.22821 GHz
Delta 2 [T1]
0.00 dB
24.09 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.03 dBm
D2 -22.97 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

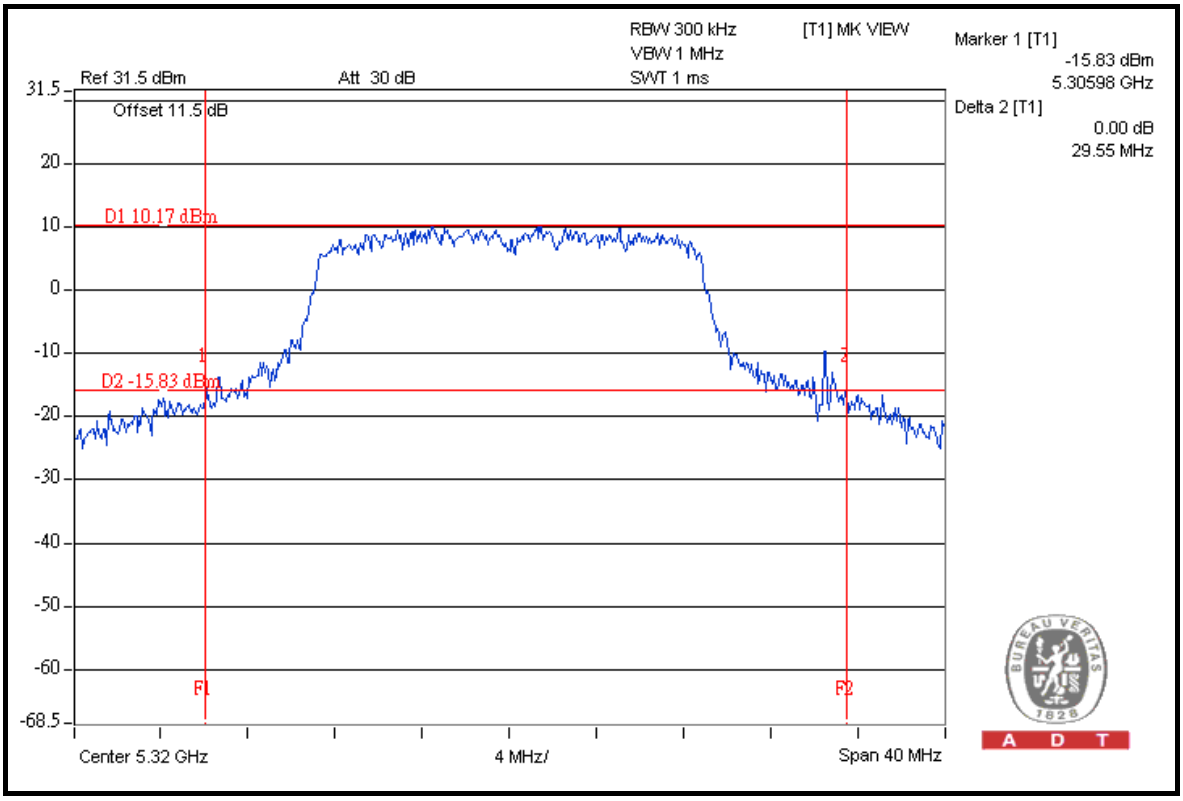
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.88 dBm
5.24605 GHz
Delta 2 [T1]
0.00 dB
28.75 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.12 dBm
D2 -16.87 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.26 GHz
4 MHz/
Span 40 MHz

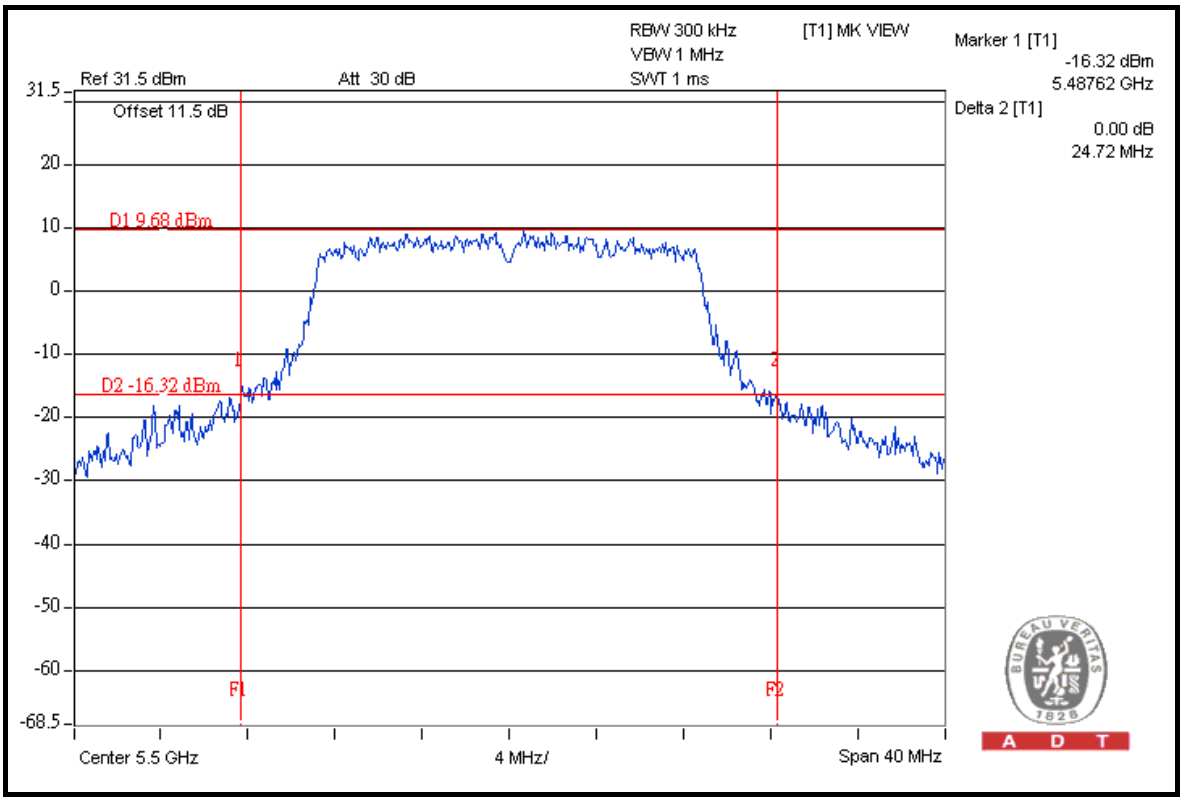
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.44 dBm
5.28365 GHz
Delta 2 [T1]
0.00 dB
31.42 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.56 dBm
D2 -15.44 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.3 GHz
4 MHz/
Span 40 MHz

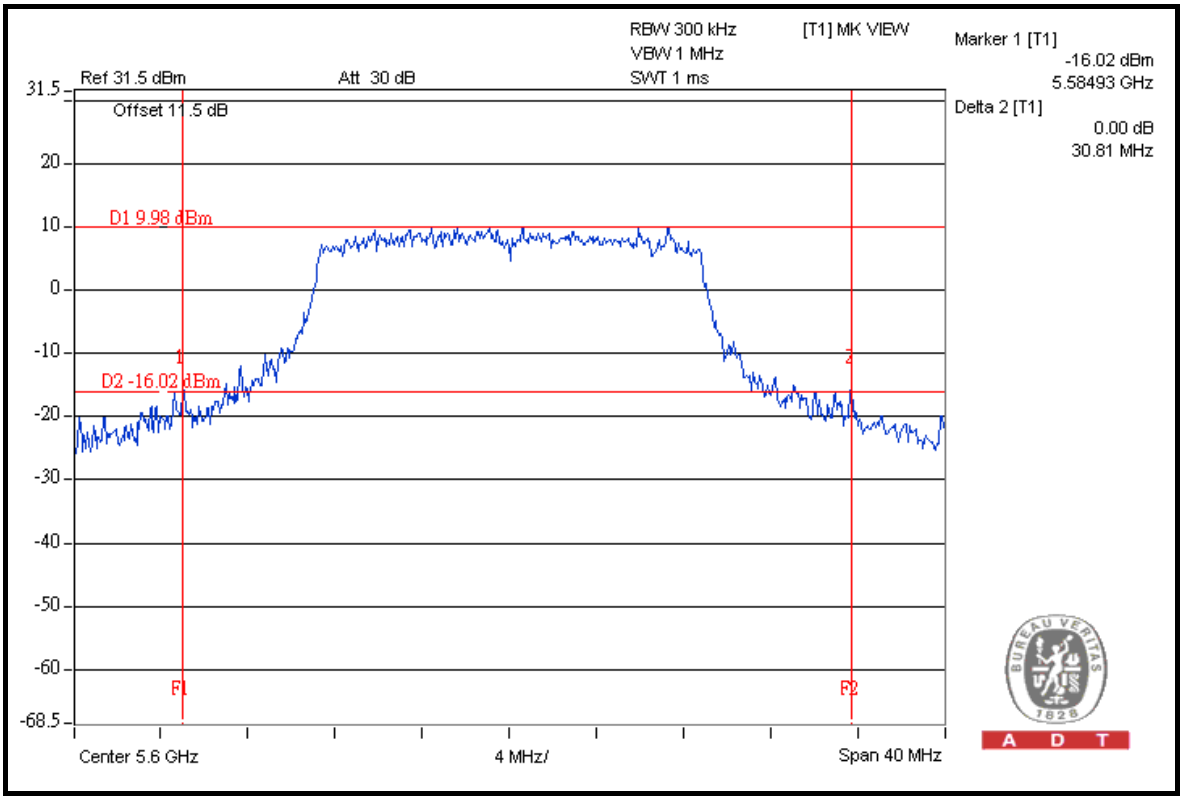
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.83 dBm
5.30598 GHz
Delta 2 [T1]
0.00 dB
29.55 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.17 dBm
D2 -15.83 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

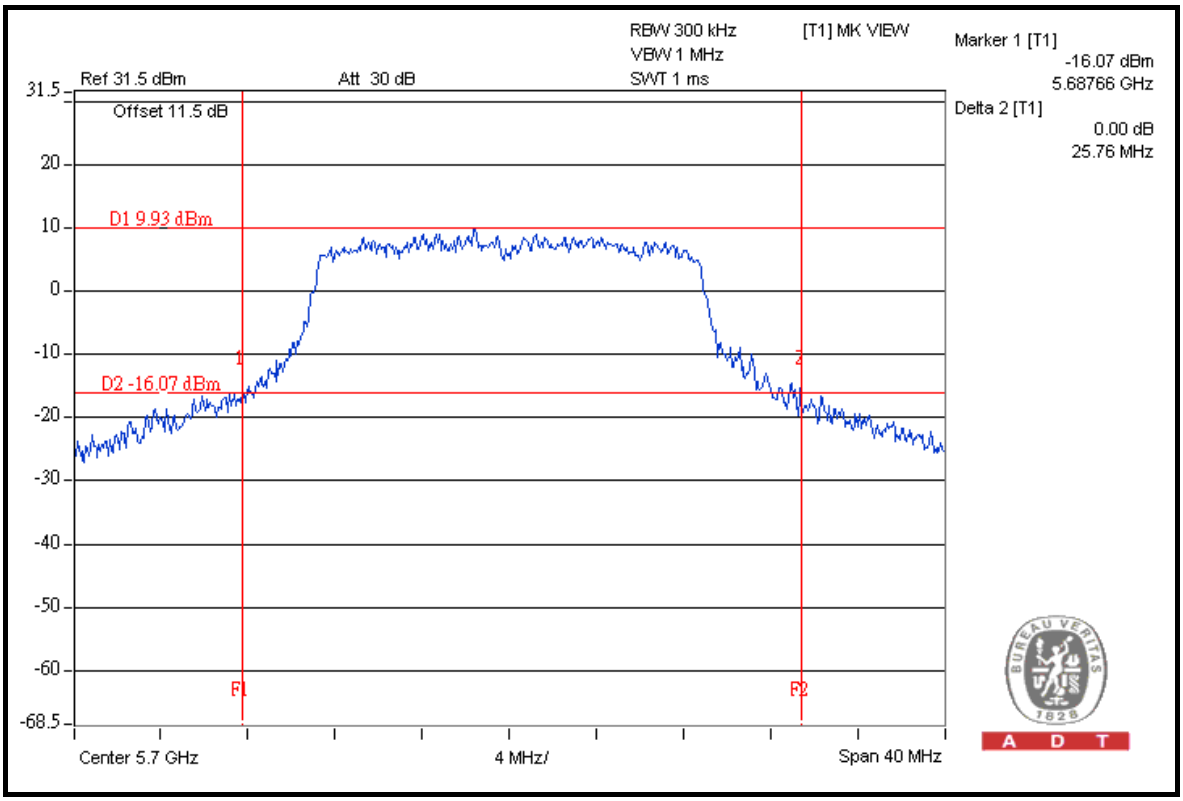
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.32 dBm
5.48762 GHz
Delta 2 [T1]
0.00 dB
24.72 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.68 dBm
D2 -16.32 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

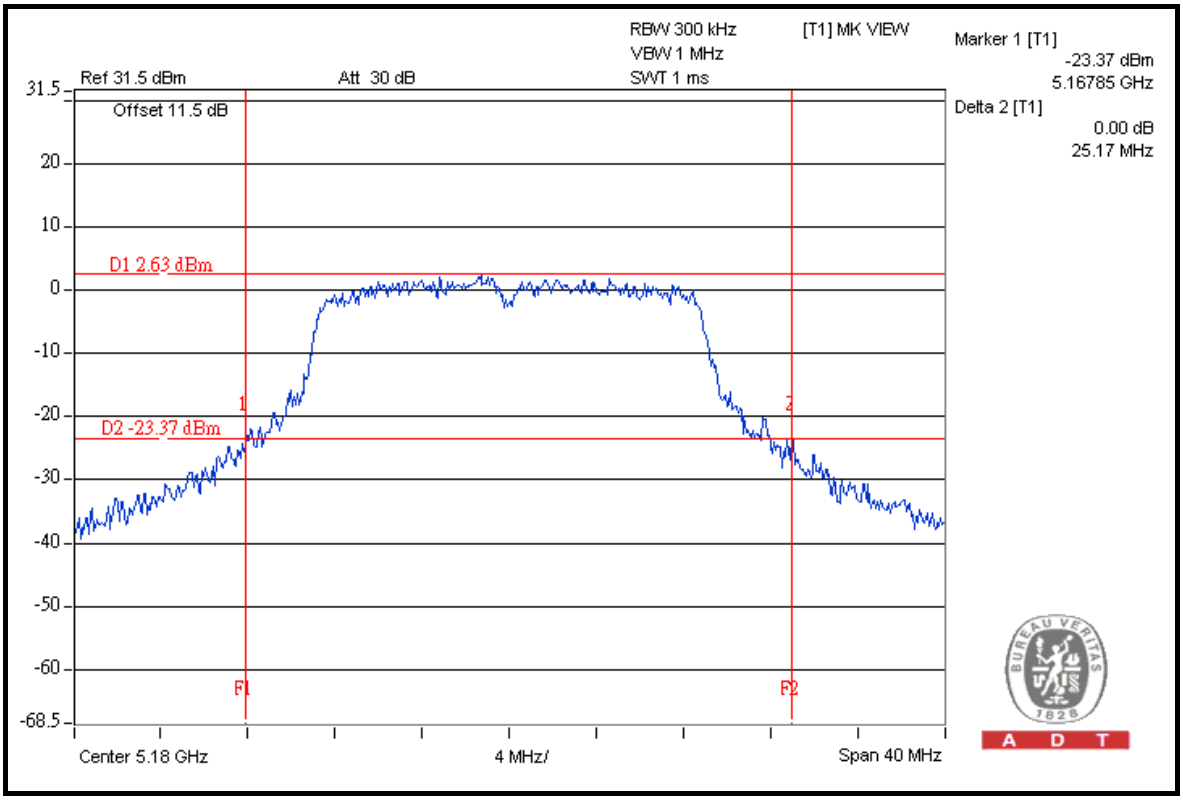
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.02 dBm
5.58493 GHz
Delta 2 [T1]
0.00 dB
30.81 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.98 dBm
D2 -16.02 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

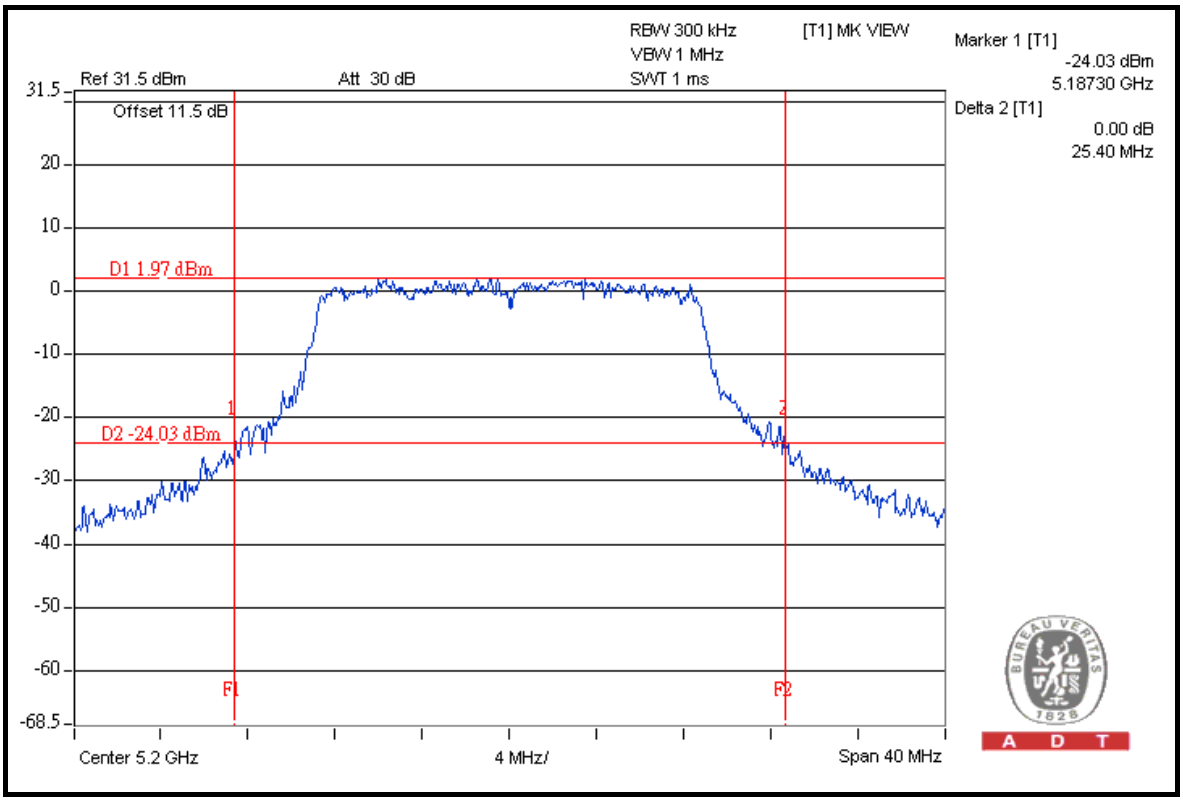
CH 140


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.07 dBm
5.68766 GHz
Delta 2 [T1]
0.00 dB
25.76 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.93 dBm
D2 -16.07 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.7 GHz
4 MHz/
Span 40 MHz

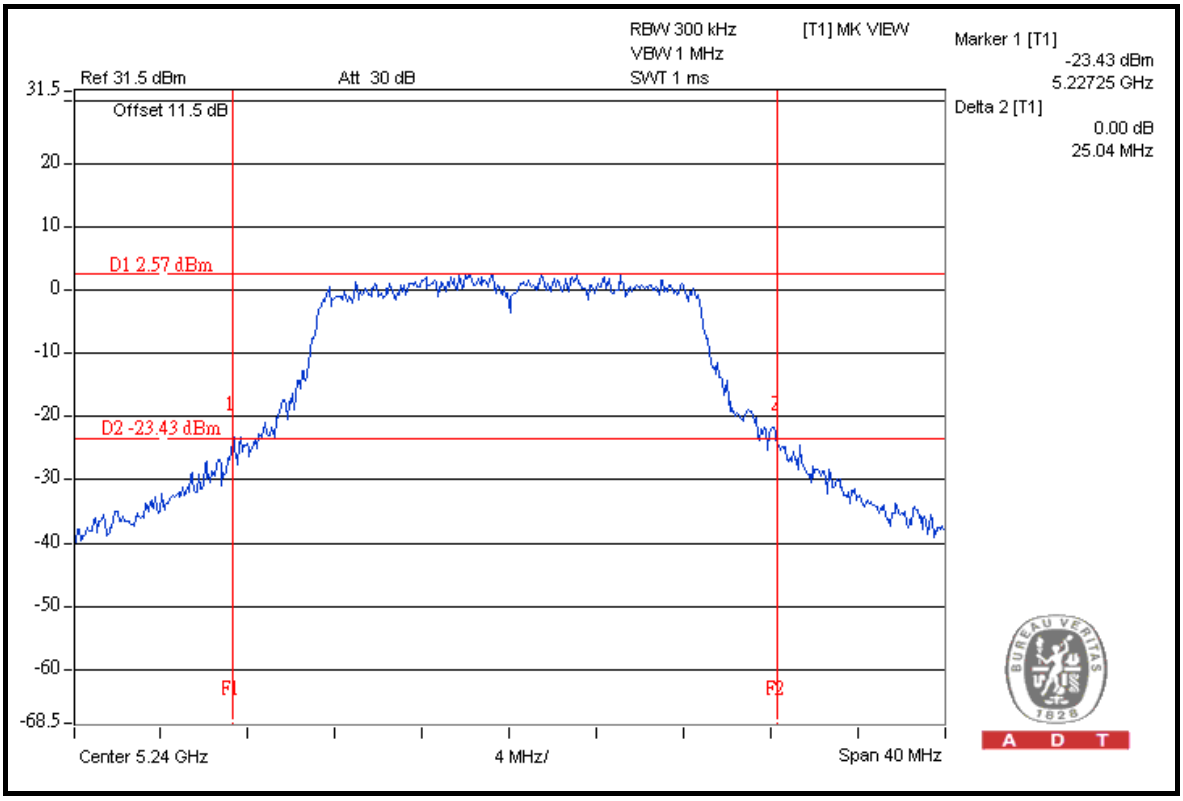
CHAIN 2 CH 36



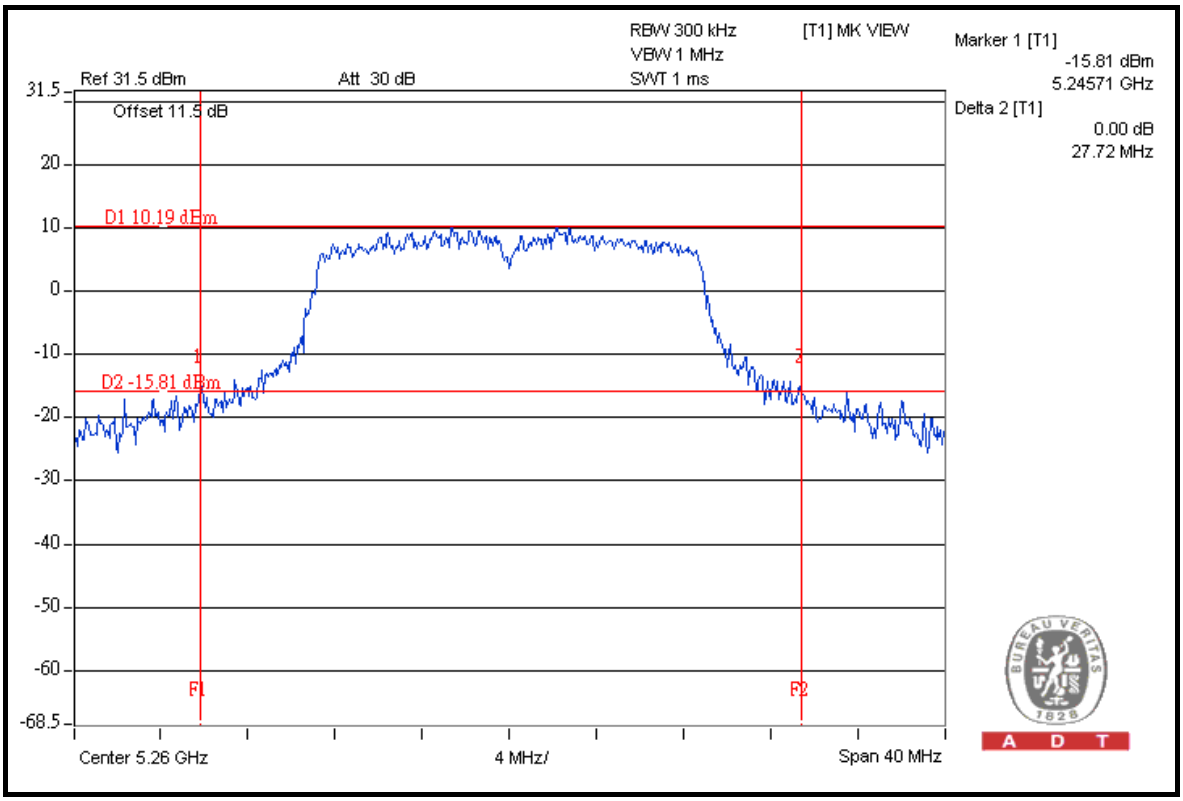
CH 40



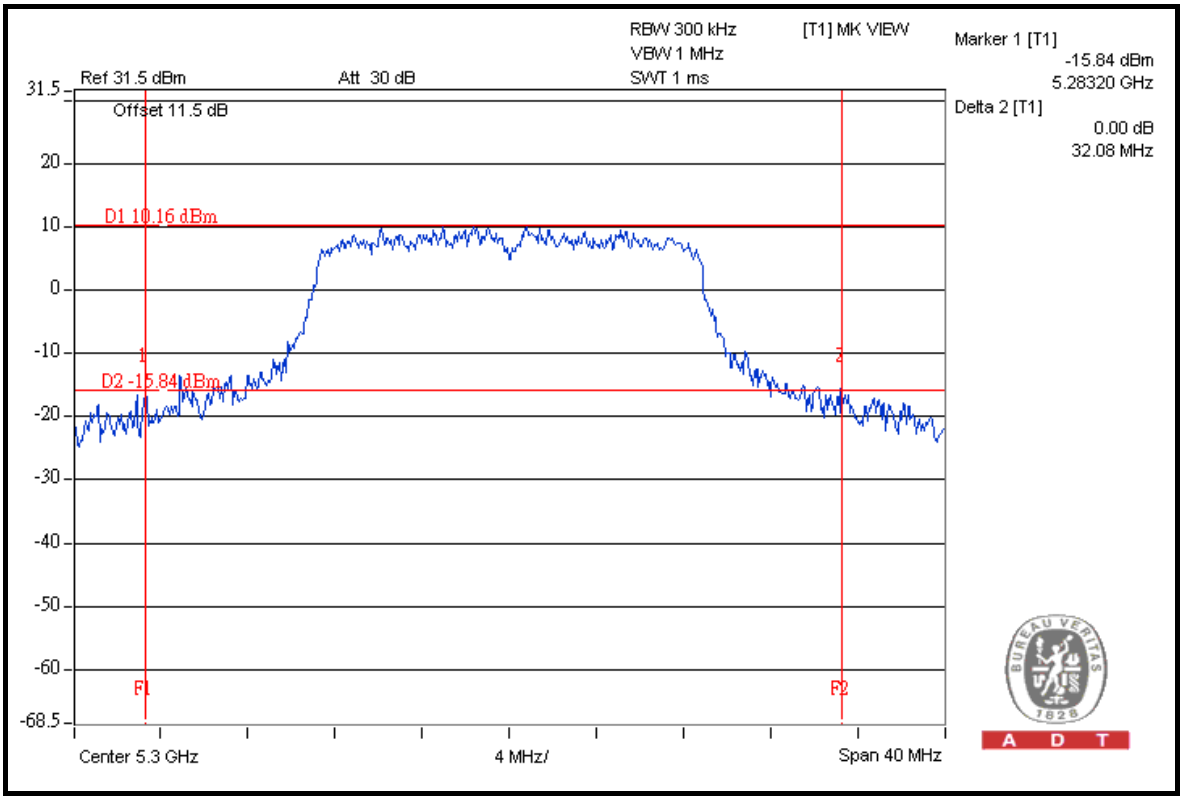
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-23.43 dBm
5.22725 GHz
Delta 2 [T1]
0.00 dB
25.04 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 2.57 dBm
D2 -23.43 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

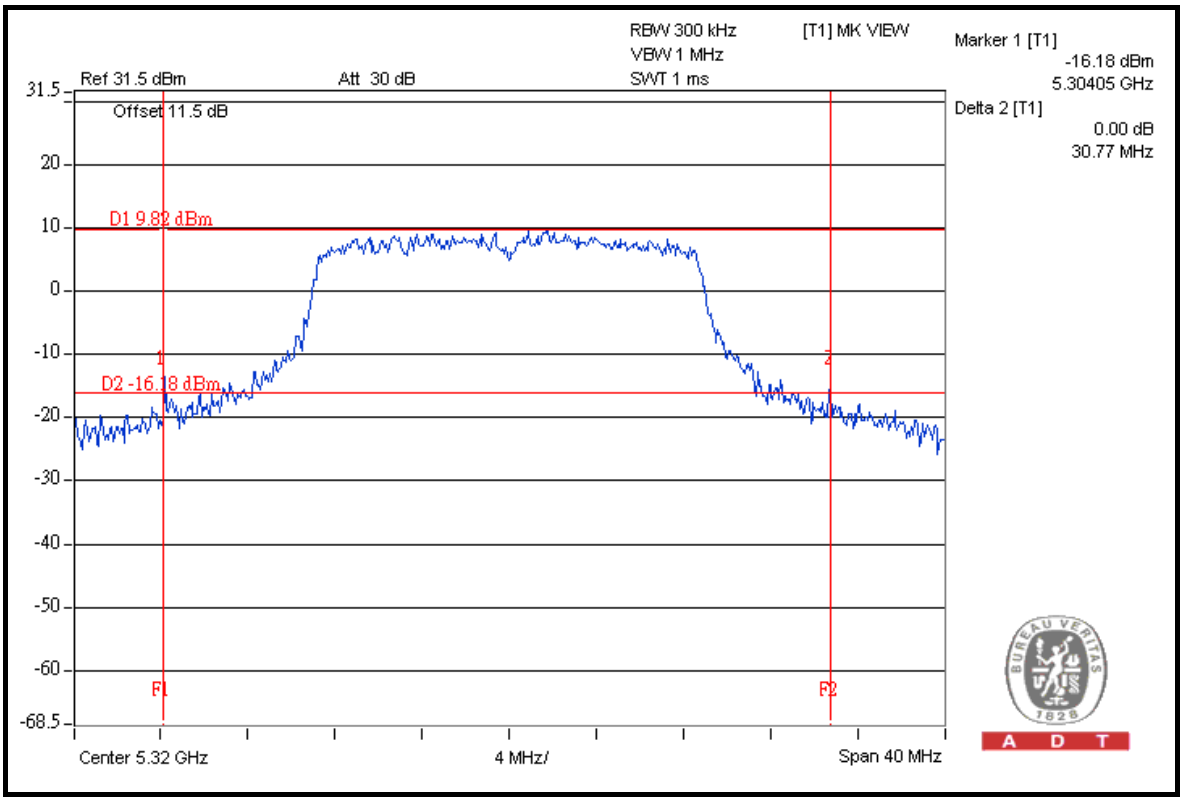
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.81 dBm
5.24571 GHz
Delta 2 [T1]
0.00 dB
27.72 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.19 dBm
D2 -15.81 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

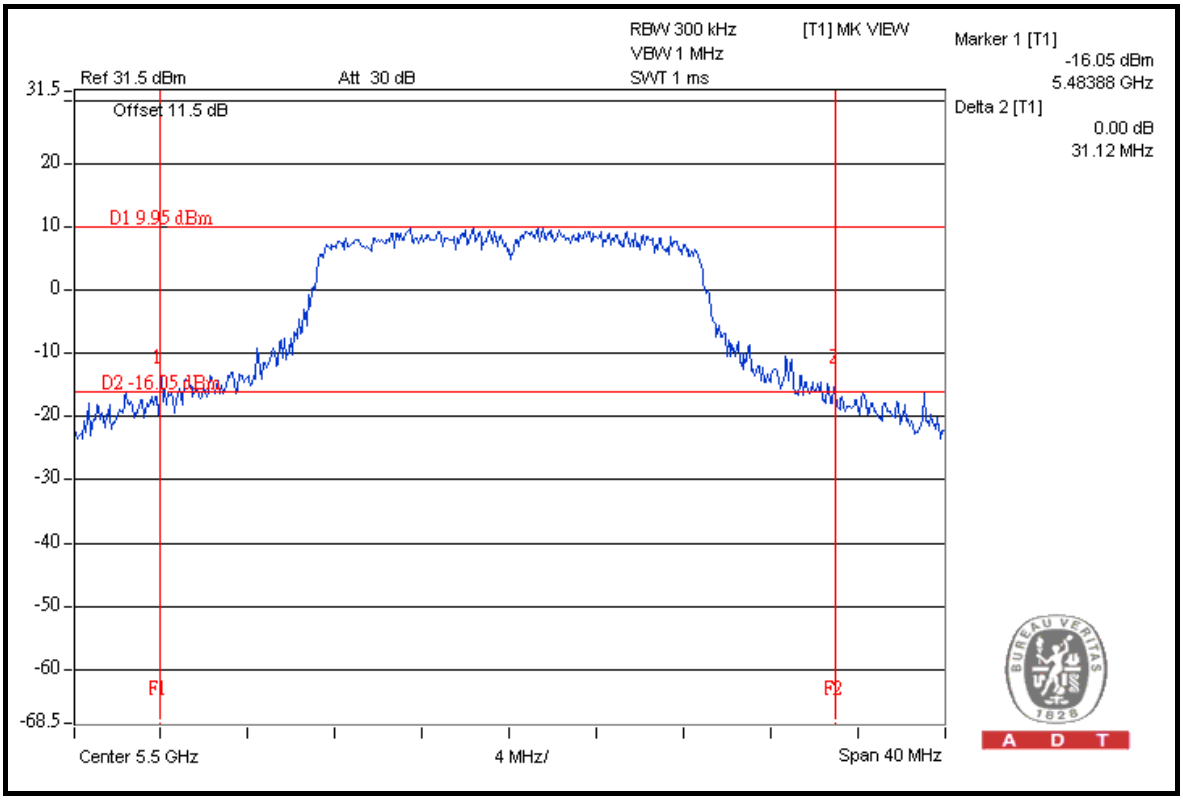
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.84 dBm
5.28320 GHz
Delta 2 [T1]
0.00 dB
32.08 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.16 dBm
D2 -15.84 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

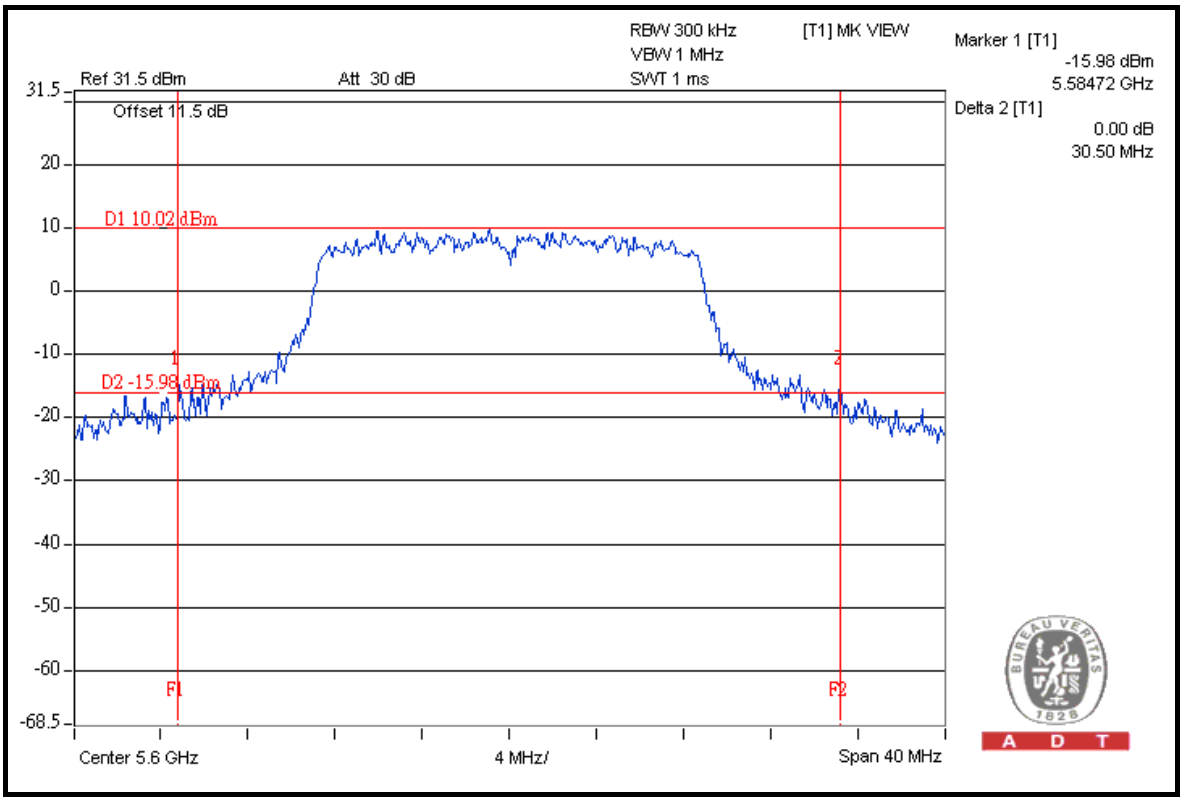
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.18 dBm
5.30405 GHz
Delta 2 [T1]
0.00 dB
30.77 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.82 dBm
D2 -16.18 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

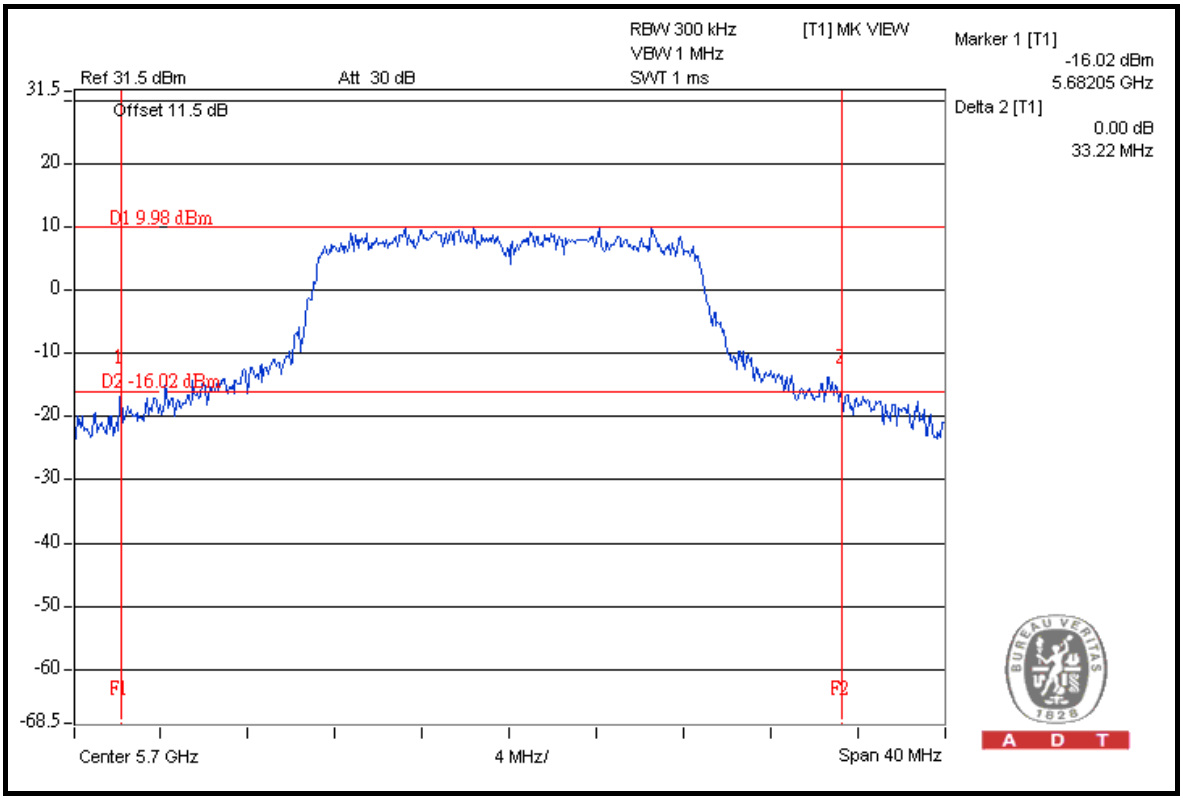
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.05 dBm
5.48388 GHz
Delta 2 [T1]
0.00 dB
31.12 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.95 dBm
D2 -16.05 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-15.98 dBm
5.58472 GHz
Delta 2 [T1]
0.00 dB
30.50 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 10.02 dBm
D2 -15.98 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

CH 140

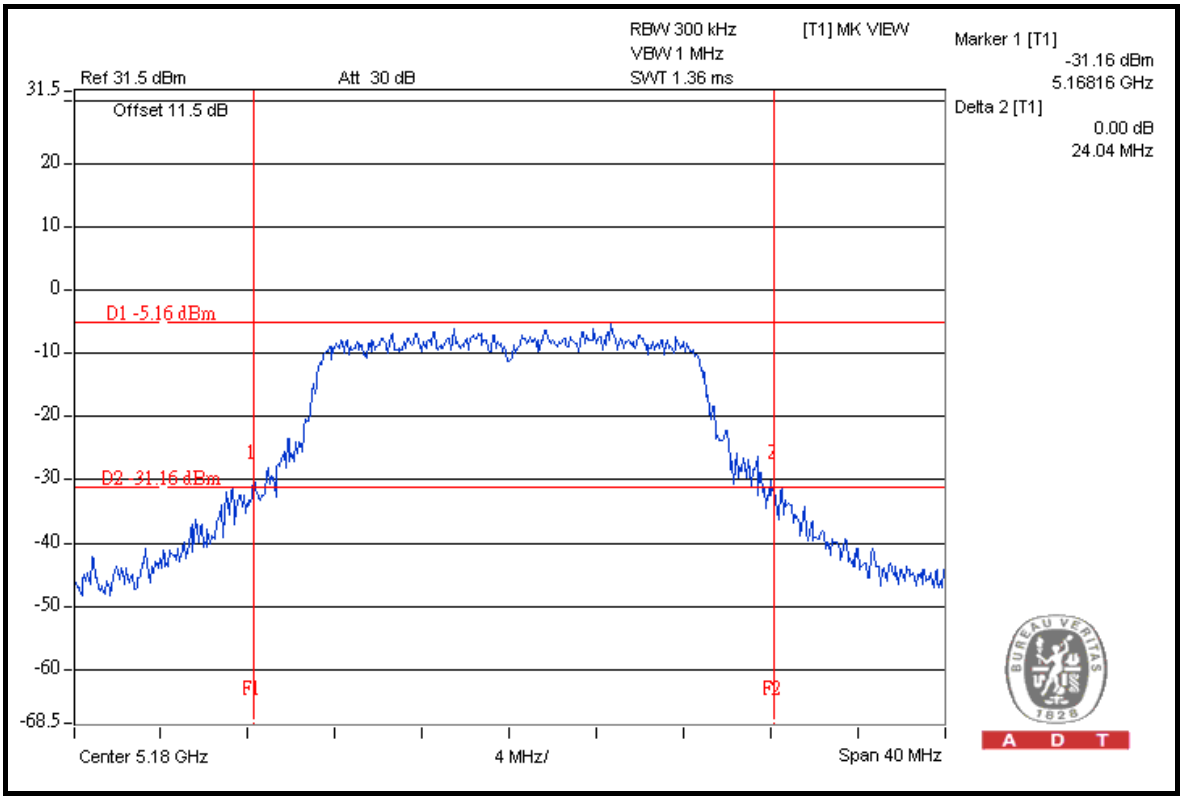

RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-16.02 dBm
5.68205 GHz
Delta 2 [T1]
0.00 dB
33.22 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 9.98 dBm
D2 -16.02 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.7 GHz
4 MHz/
Span 40 MHz

DRAFT 802.11n (20MHz) OFDM MODULATION

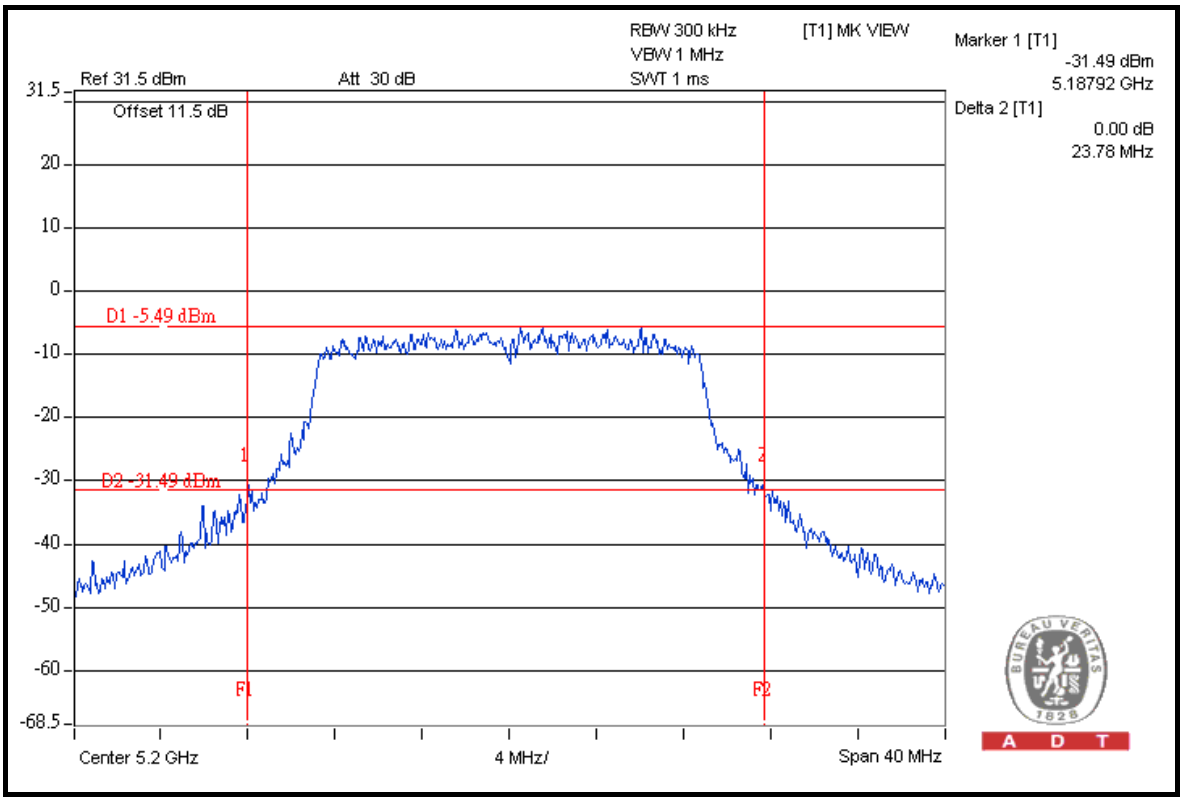
MODULATION TYPE	BPSK	**TRANSFER RATE**	6.5Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	**C**

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)		PASS / FAIL
		CHAIN 0	CHAIN 1	
36	5180	24.04	23.78	PASS
40	5200	23.78	23.84	PASS
48	5240	23.82	23.17	PASS
52	5260	23.89	24.27	PASS
60	5300	24.58	24.37	PASS
64	5320	23.28	23.72	PASS
100	5500	23.75	24.68	PASS
120	5600	24.80	23.87	PASS
140	5700	23.47	23.01	PASS

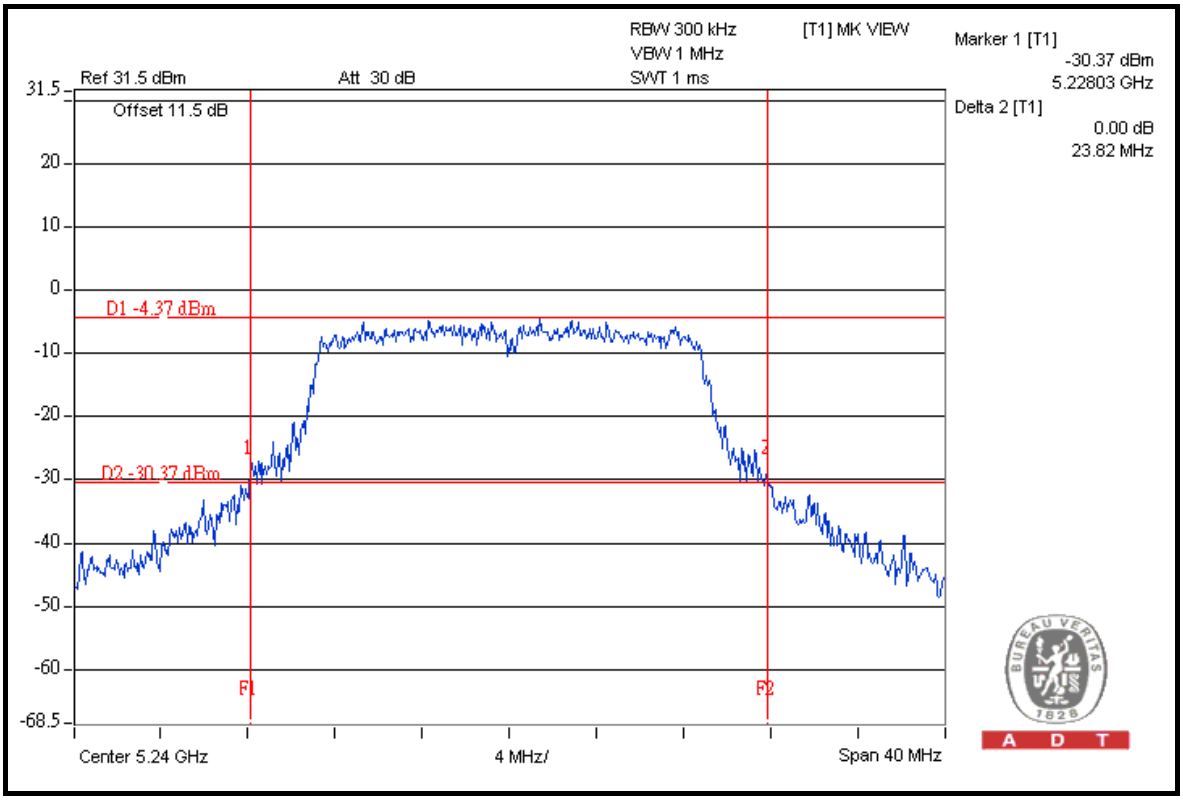
CHAIN 0 CH 36



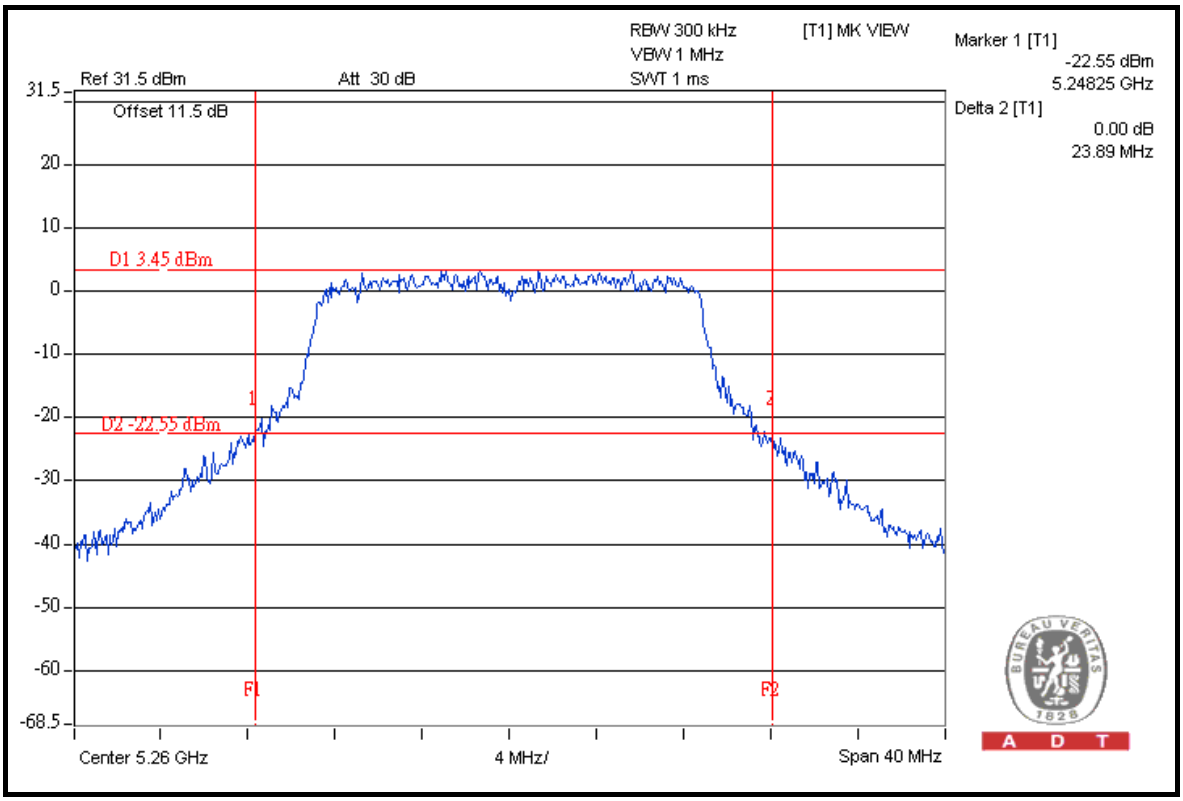
CH 40



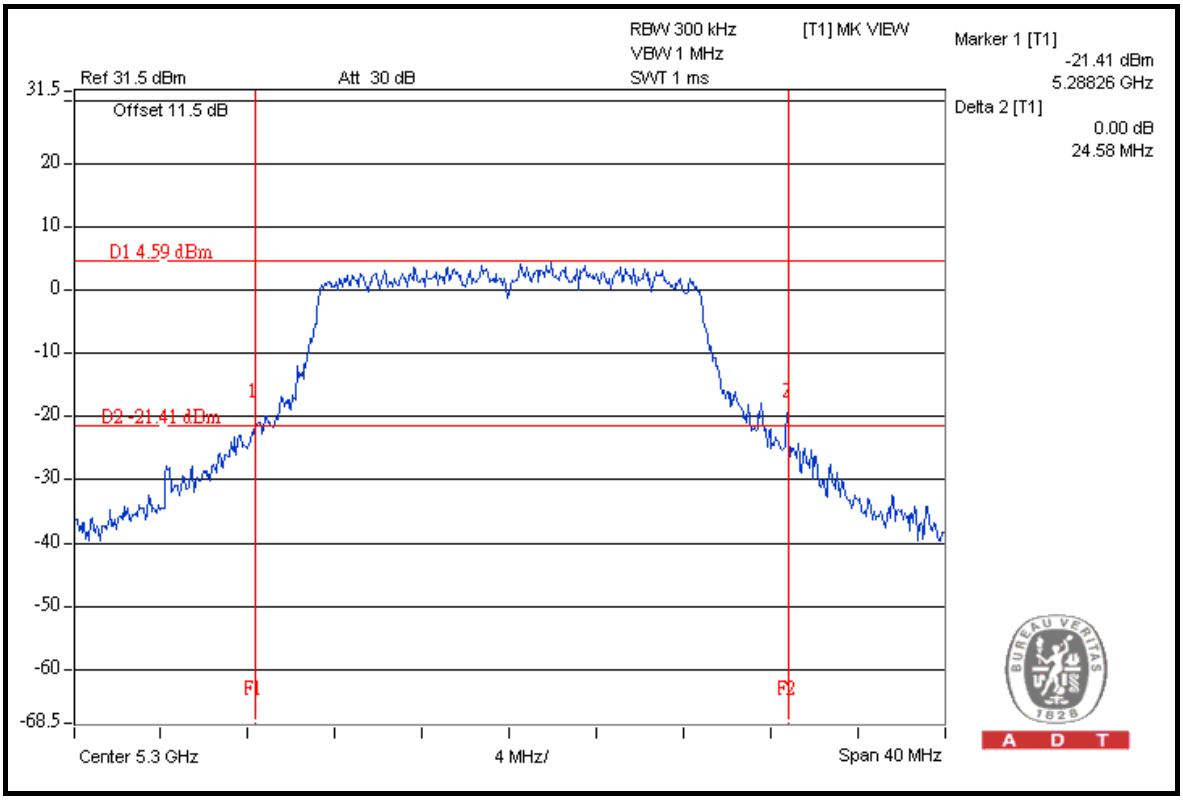
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-30.37 dBm
5.22803 GHz
Delta 2 [T1]
0.00 dB
23.82 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 -4.37 dBm
D2 -30.37 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

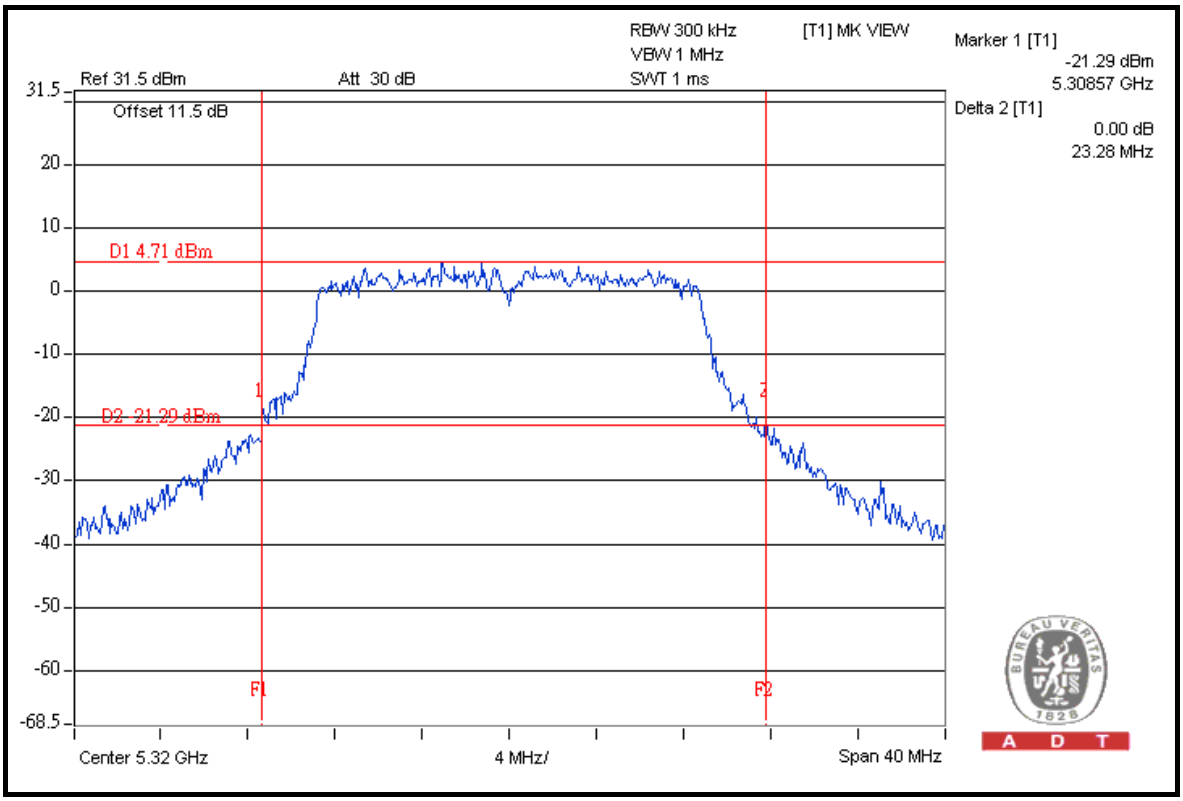
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.55 dBm
5.24825 GHz
Delta 2 [T1]
0.00 dB
23.89 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.45 dBm
D2 -22.55 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

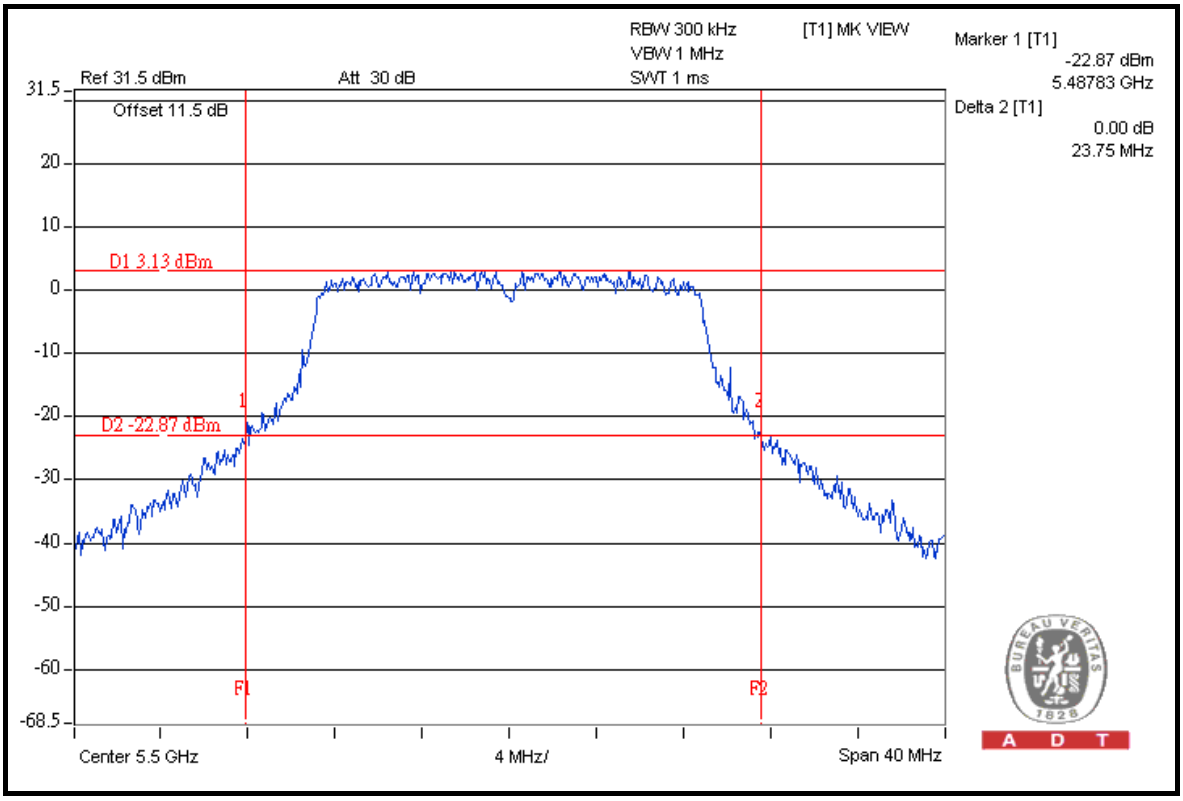
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.41 dBm
5.28826 GHz
Delta 2 [T1]
0.00 dB
24.58 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.59 dBm
D2 -21.41 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

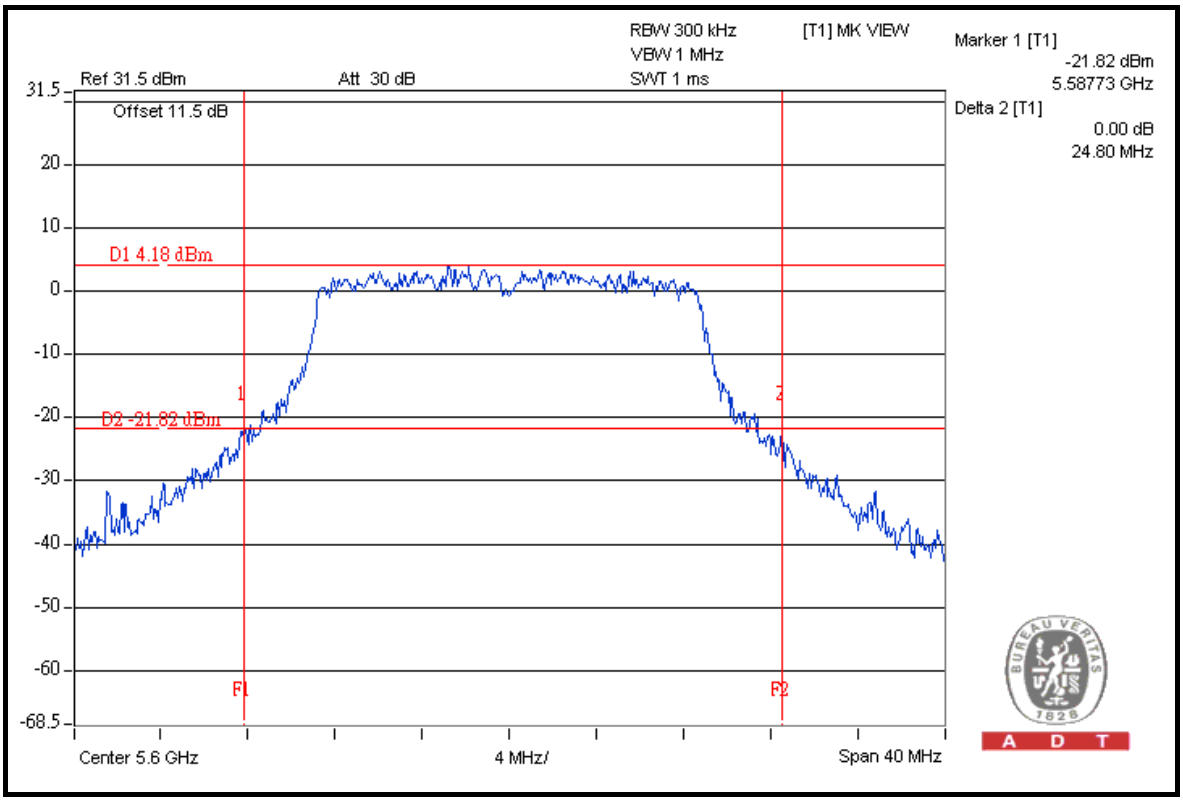
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.29 dBm
5.30857 GHz
Delta 2 [T1]
0.00 dB
23.28 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.71 dBm
D2 -21.29 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

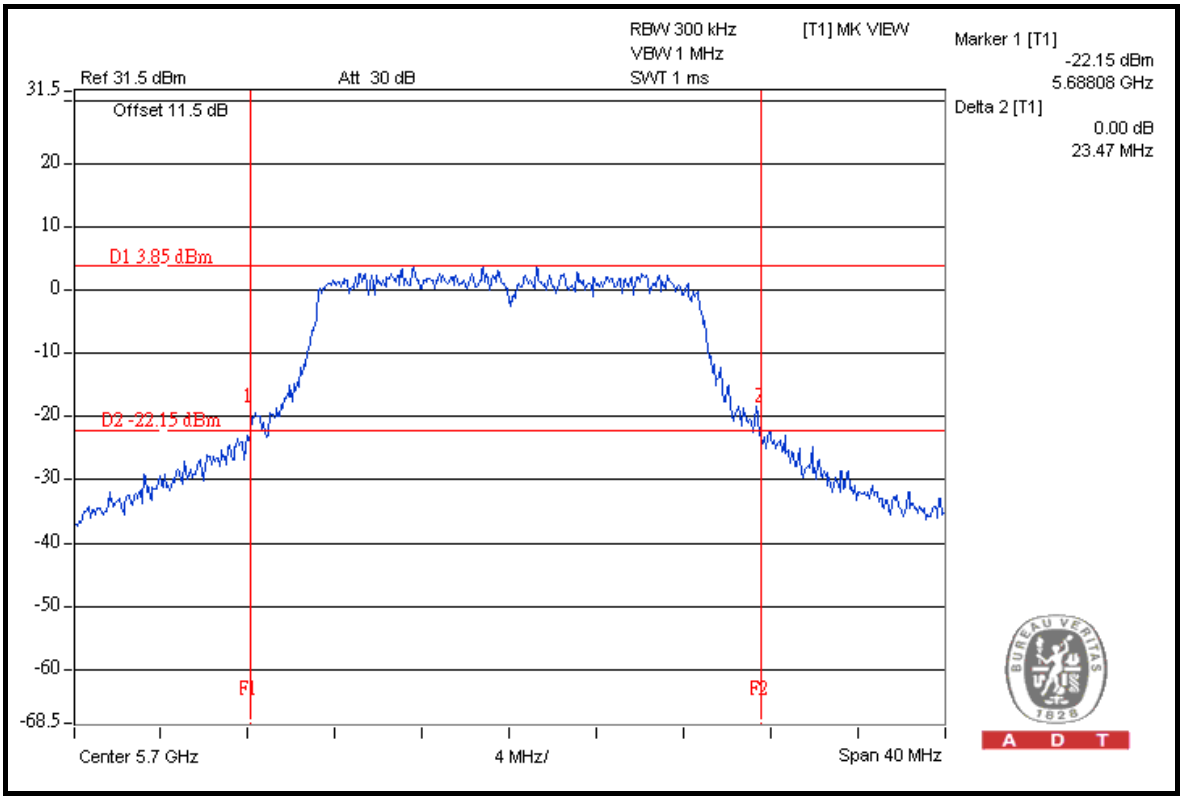
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.87 dBm
5.48783 GHz
Delta 2 [T1]
0.00 dB
23.75 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.13 dBm
D2 -22.87 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

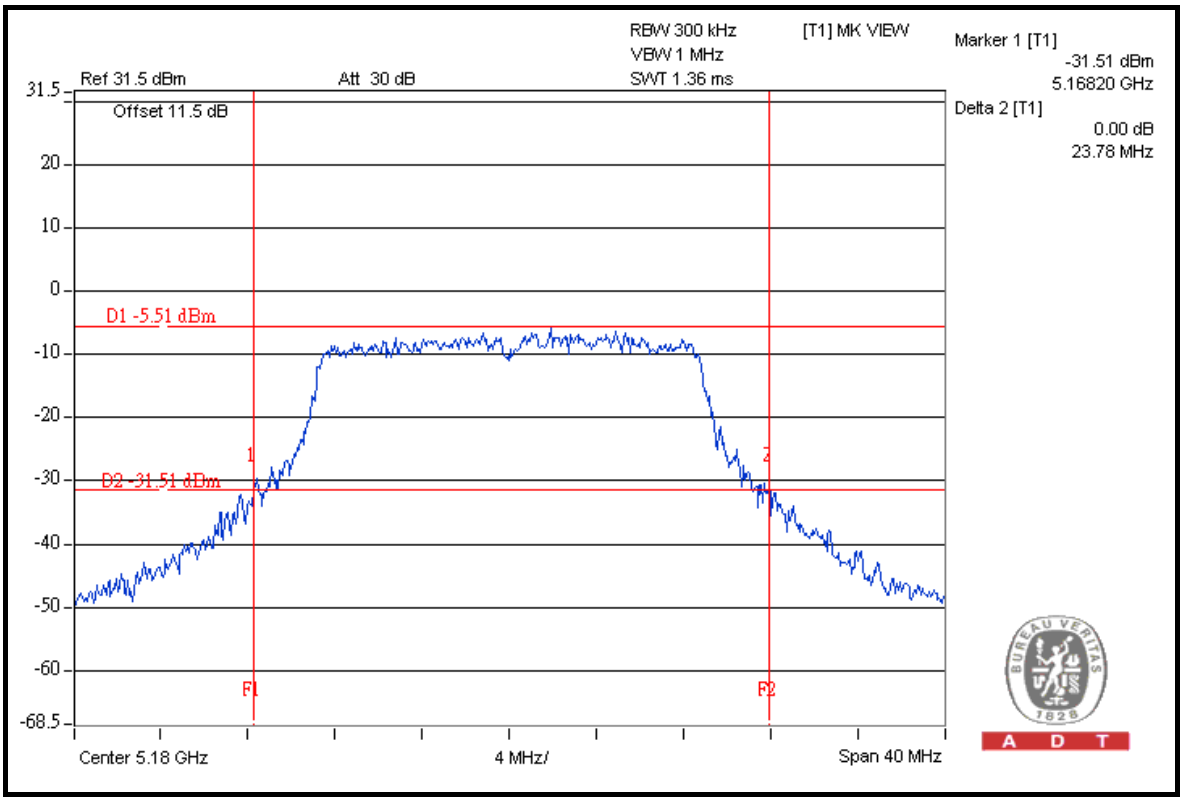
CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.82 dBm
5.58773 GHz
Delta 2 [T1]
0.00 dB
24.80 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.18 dBm
D2 -21.82 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.6 GHz
4 MHz/
Span 40 MHz

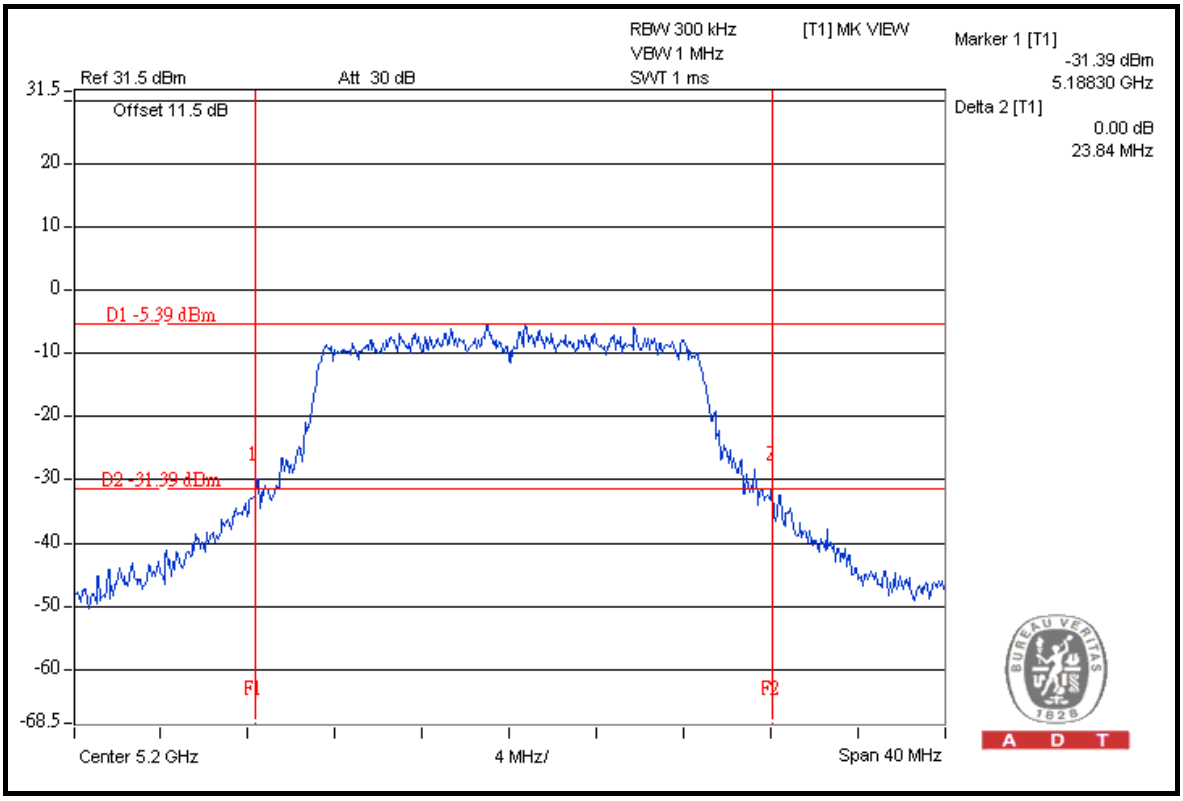
CH 140



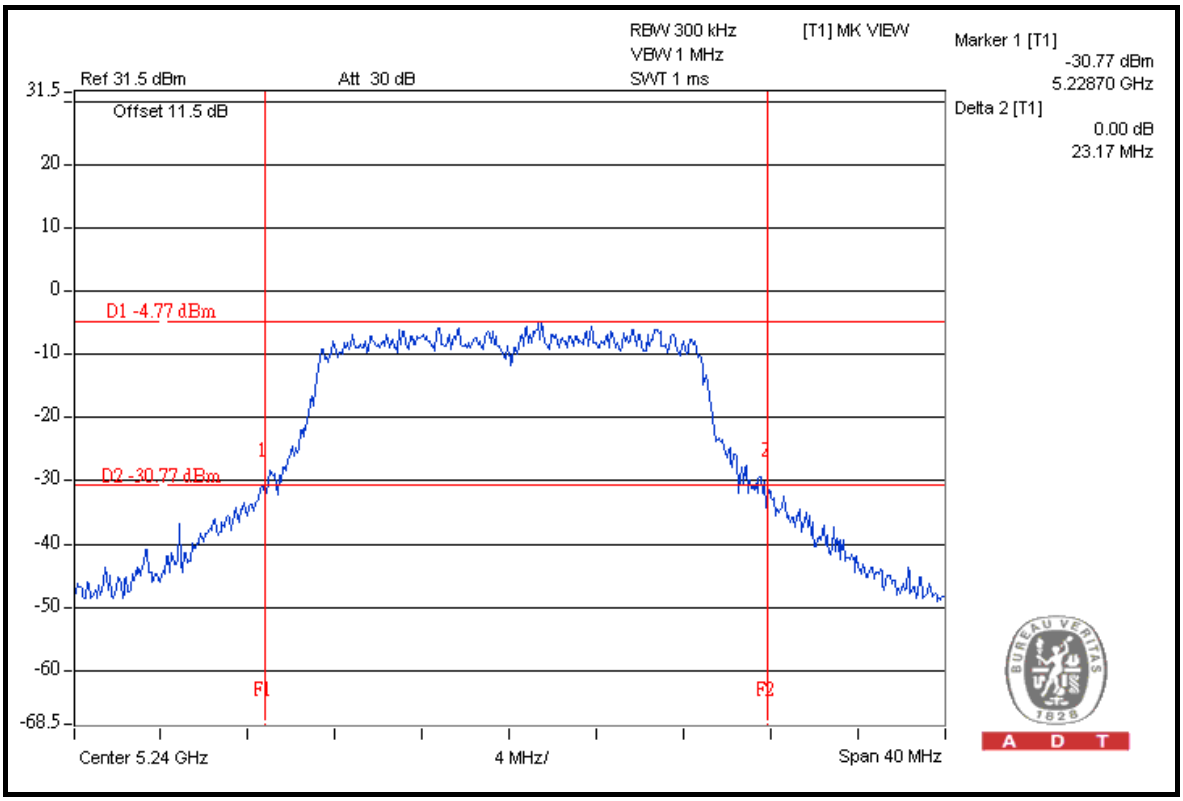
CHAIN 1 CH 36



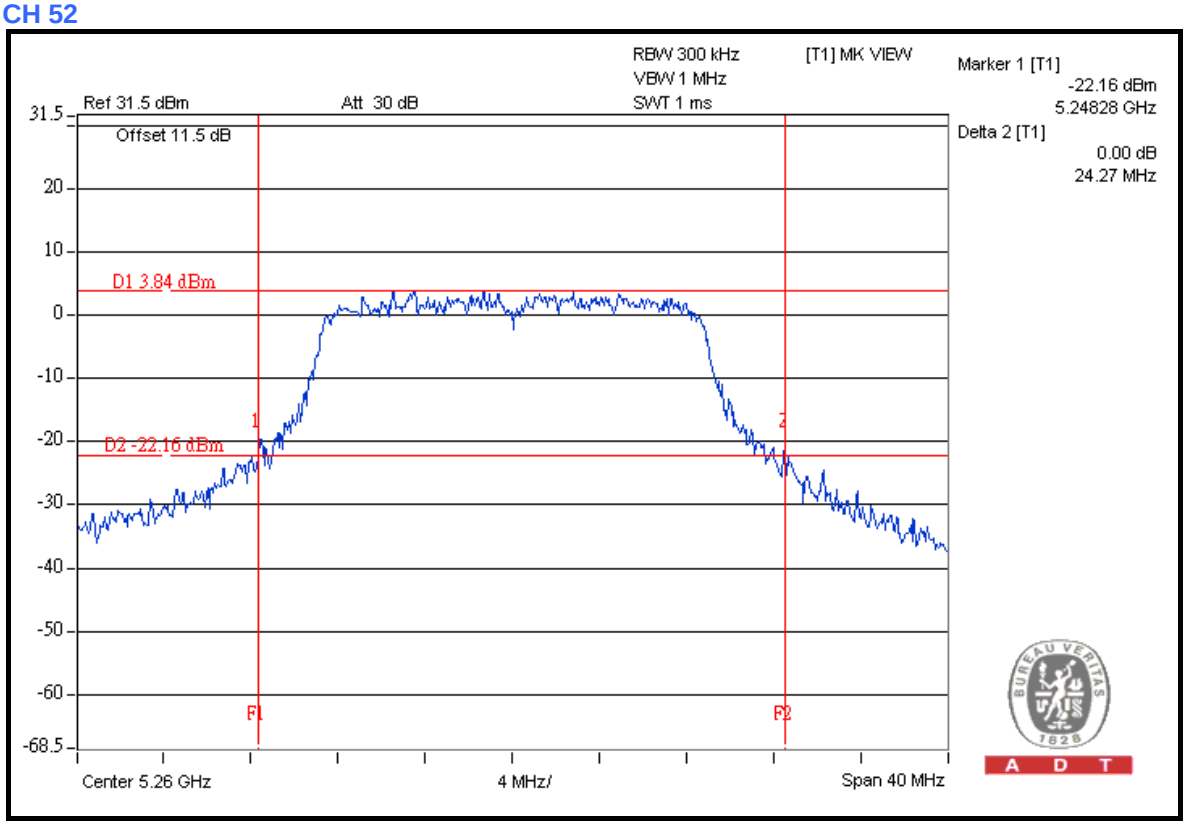
CH 40


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-31.39 dBm
5.18830 GHz
Delta 2 [T1]
0.00 dB
23.84 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 -5.39 dBm
D2 -31.39 dBm
1
2
F1
F2
Center 5.2 GHz
4 MHz/
Span 40 MHz

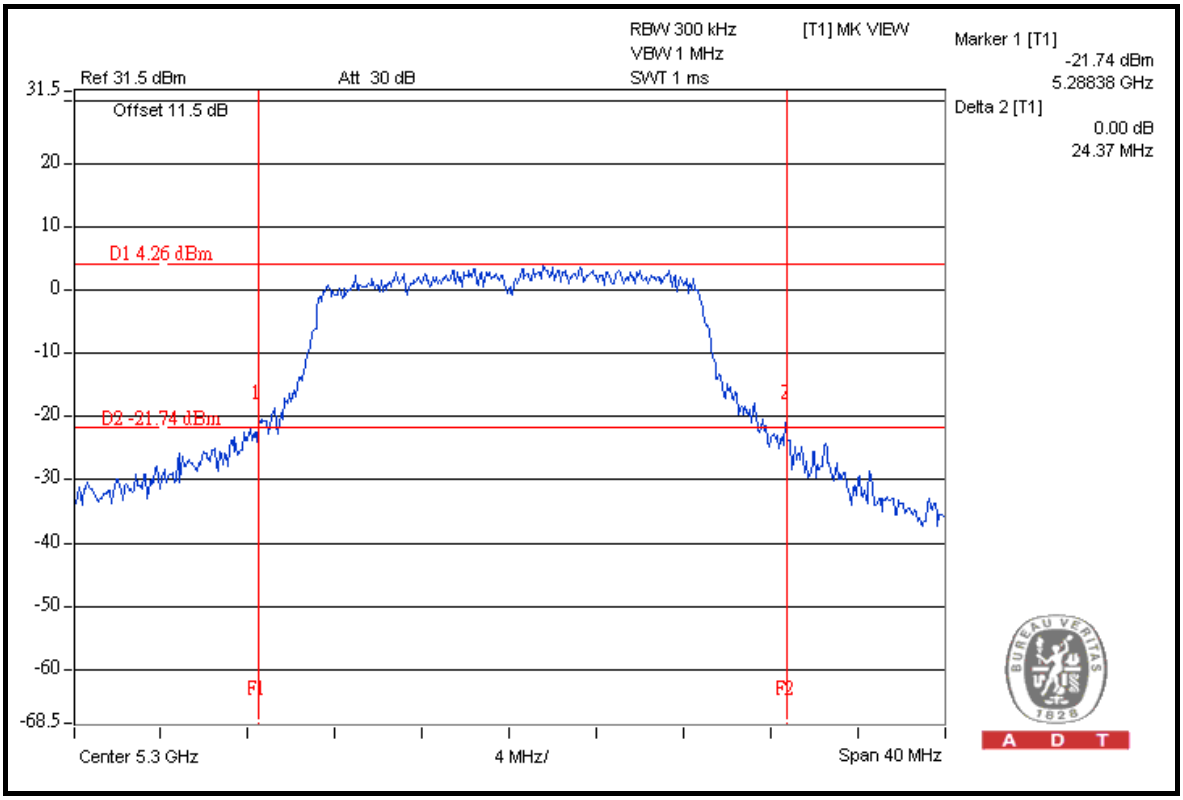
CH 48


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-30.77 dBm
5.22870 GHz
Delta 2 [T1]
0.00 dB
23.17 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 -4.77 dBm
D2 -30.77 dBm
1
2
F1
F2
Center 5.24 GHz
4 MHz/
Span 40 MHz

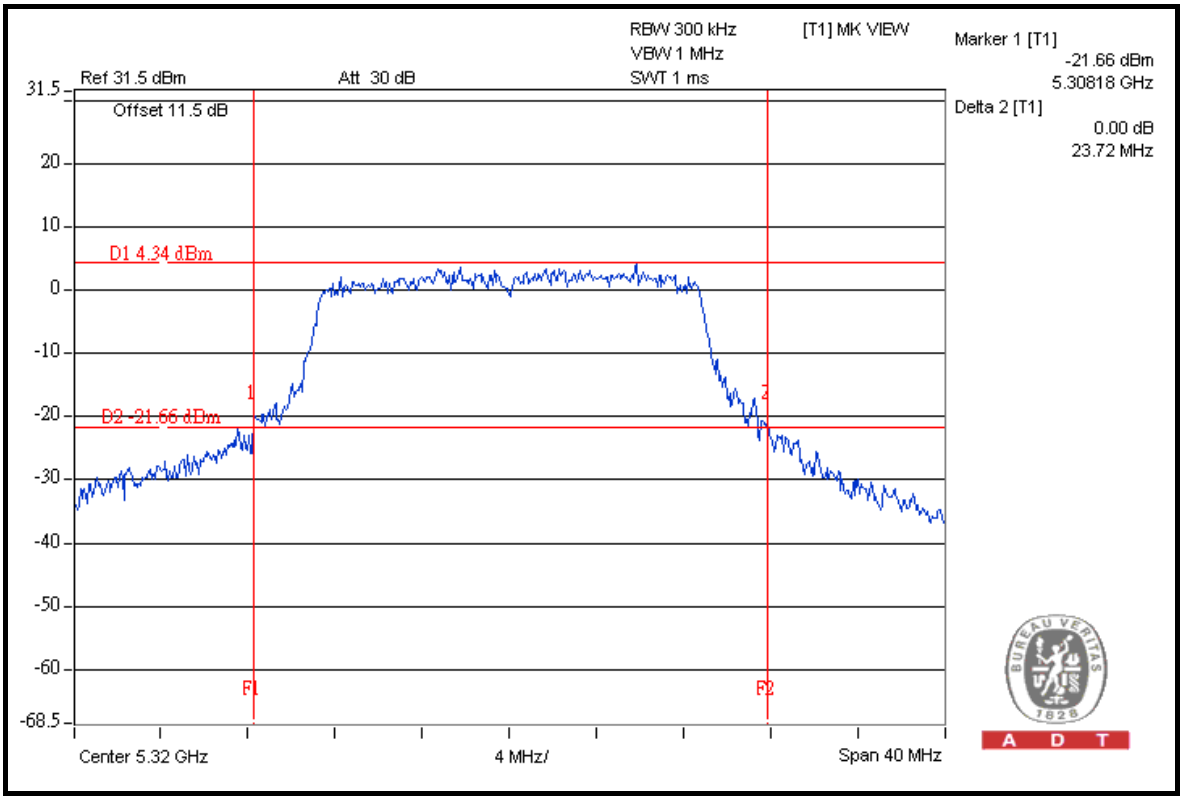
CH 52


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.16 dBm
5.24828 GHz
Delta 2 [T1]
0.00 dB
24.27 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 3.84 dBm
D2 -22.16 dBm
1
2
F1
F2
Center 5.26 GHz
4 MHz/
Span 40 MHz

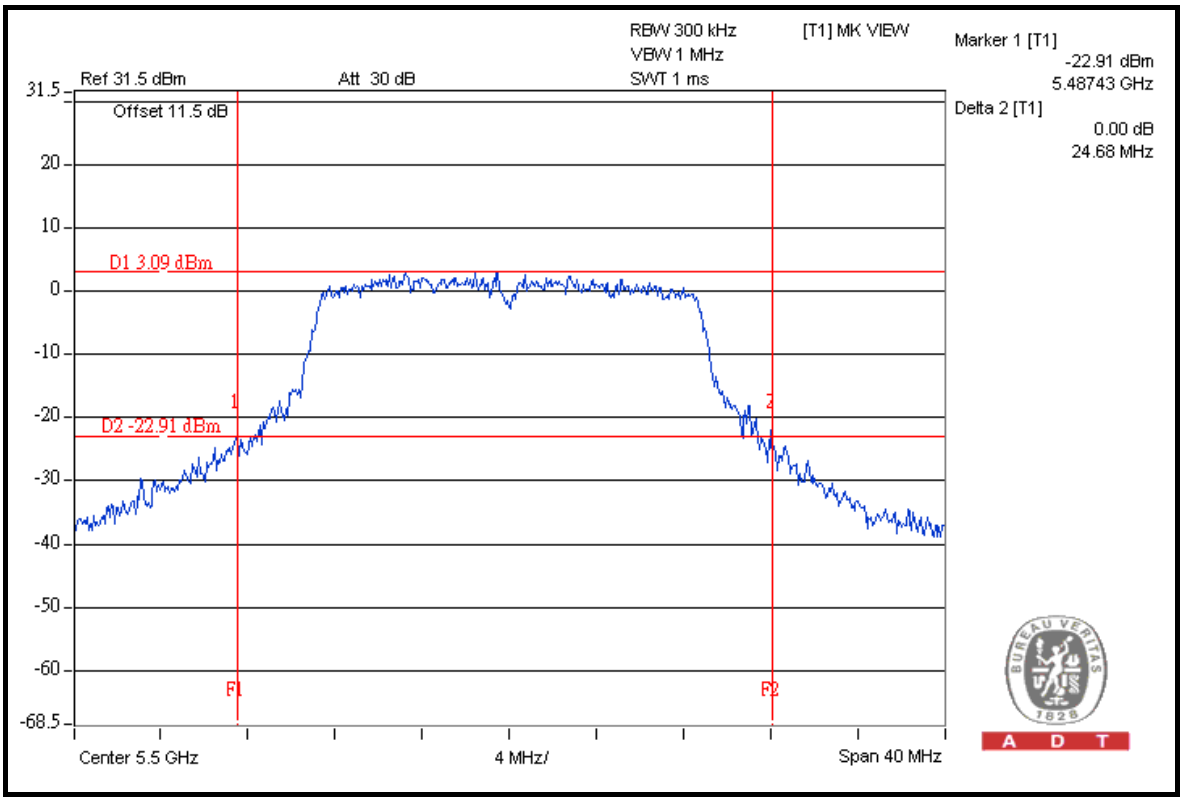
CH 60


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.74 dBm
5.28838 GHz
Delta 2 [T1]
0.00 dB
24.37 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 4.26 dBm
D2 -21.74 dBm
1
2
F1
F2
Center 5.3 GHz
4 MHz/
Span 40 MHz

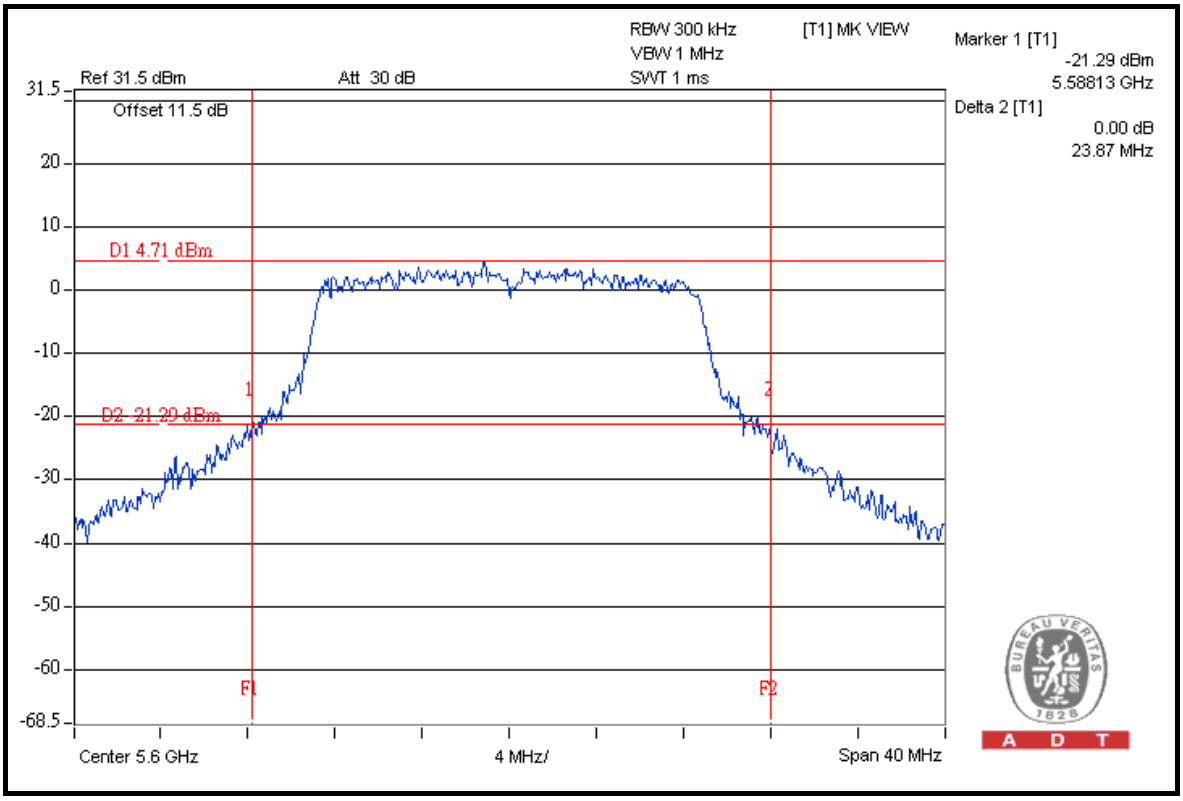
CH 64


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.66 dBm
5.30818 GHz
Delta 2 [T1]
0.00 dB
23.72 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.34 dBm
D2 -21.66 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.32 GHz
4 MHz/
Span 40 MHz

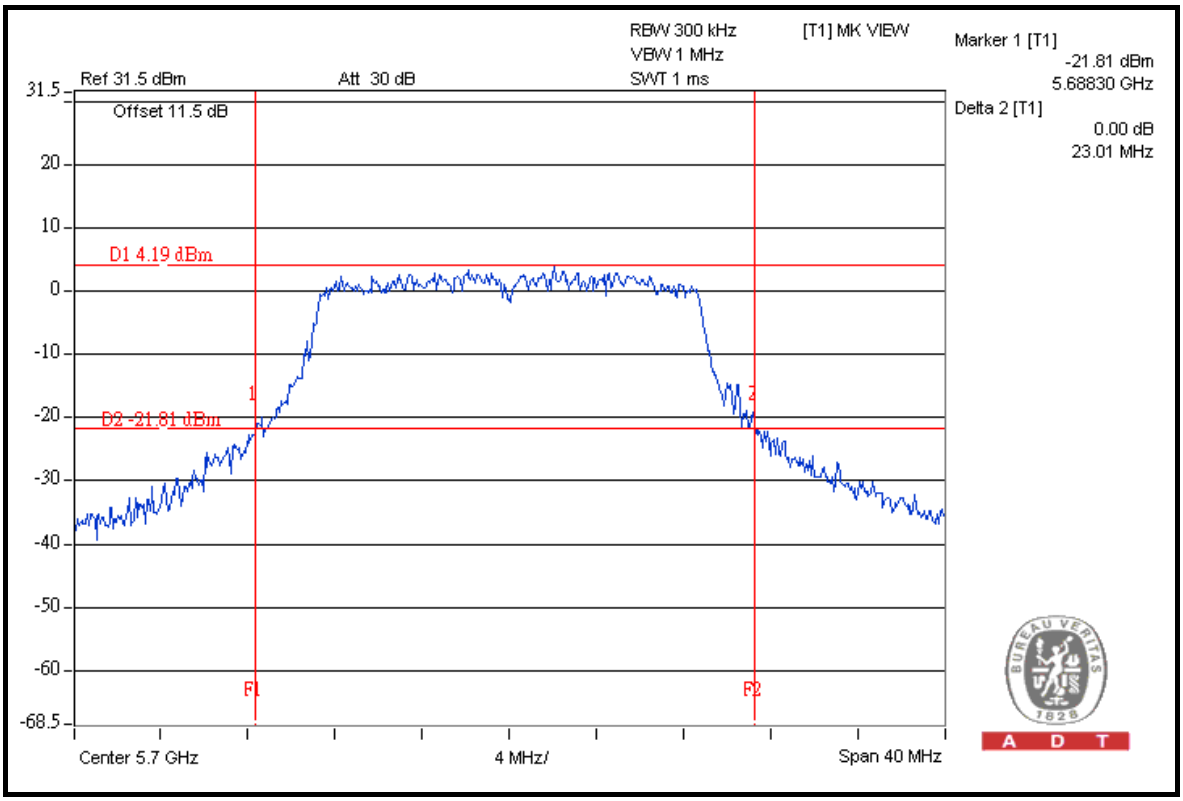
CH 100


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-22.91 dBm
5.48743 GHz
Delta 2 [T1]
0.00 dB
24.68 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 3.09 dBm
D2 -22.91 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.5 GHz
4 MHz/
Span 40 MHz

CH 120


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.29 dBm
5.58813 GHz
Delta 2 [T1]
0.00 dB
23.87 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.71 dBm
D2 -21.29 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.6 GHz
4 MHz/
Span 40 MHz

CH 140

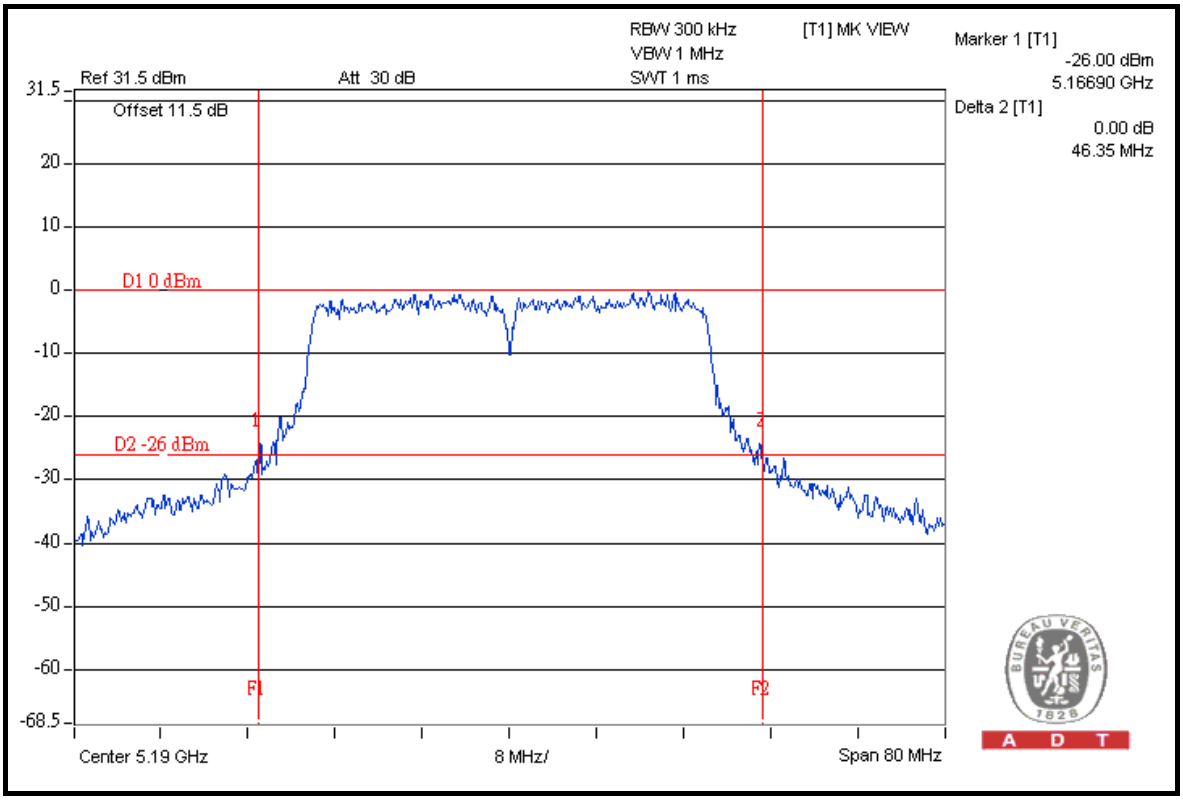

RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-21.81 dBm
5.68830 GHz
Delta 2 [T1]
0.00 dB
23.01 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 4.19 dBm
D2 -21.81 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
Center 5.7 GHz
4 MHz/
Span 40 MHz

DRAFT 802.11n (40MHz) OFDM MODULATION

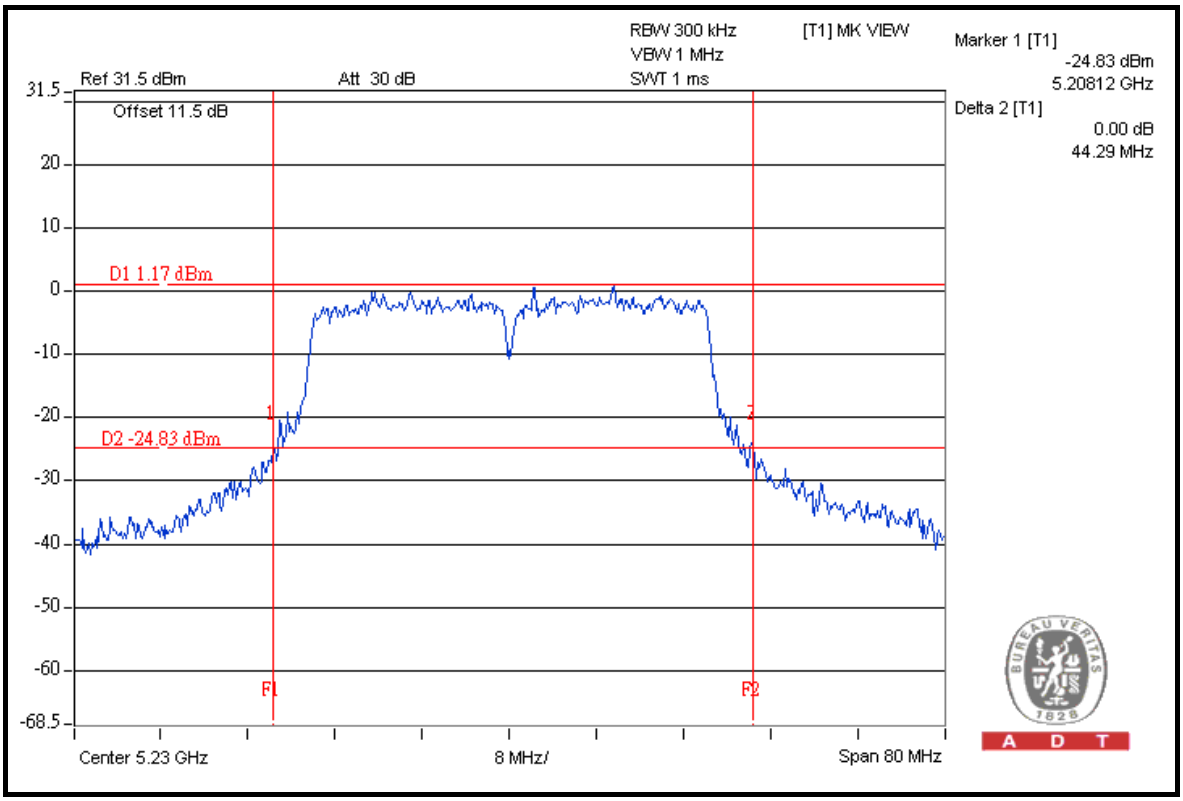
MODULATION TYPE	BPSK	**TRANSFER RATE**	13.5Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	**A**

CHANNEL	CHANNEL FREQUENCY (MHz)	26dBc OCCUPIED BANDWIDTH (MHz)			PASS / FAIL
		CHAIN 0	CHAIN 1	CHAIN 2	
38	5190	46.35	45.64	45.48	PASS
46	5230	44.29	44.77	46.00	PASS
54	5270	69.47	54.10	62.59	PASS
62	5310	72.31	61.13	69.62	PASS
102	5510	75.41	62.72	62.31	PASS
118	5590	76.73	62.45	67.17	PASS
134	5670	73.94	61.83	67.90	PASS

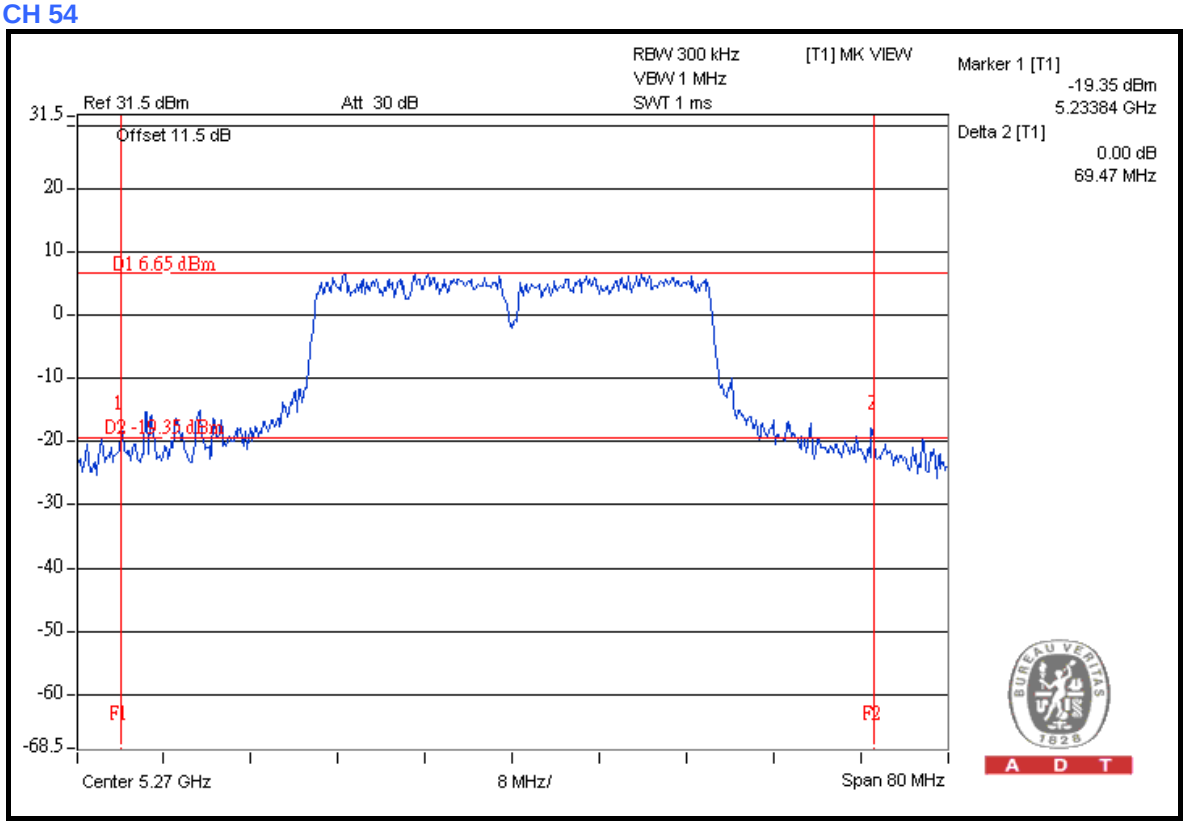
CHAIN 0 CH 38



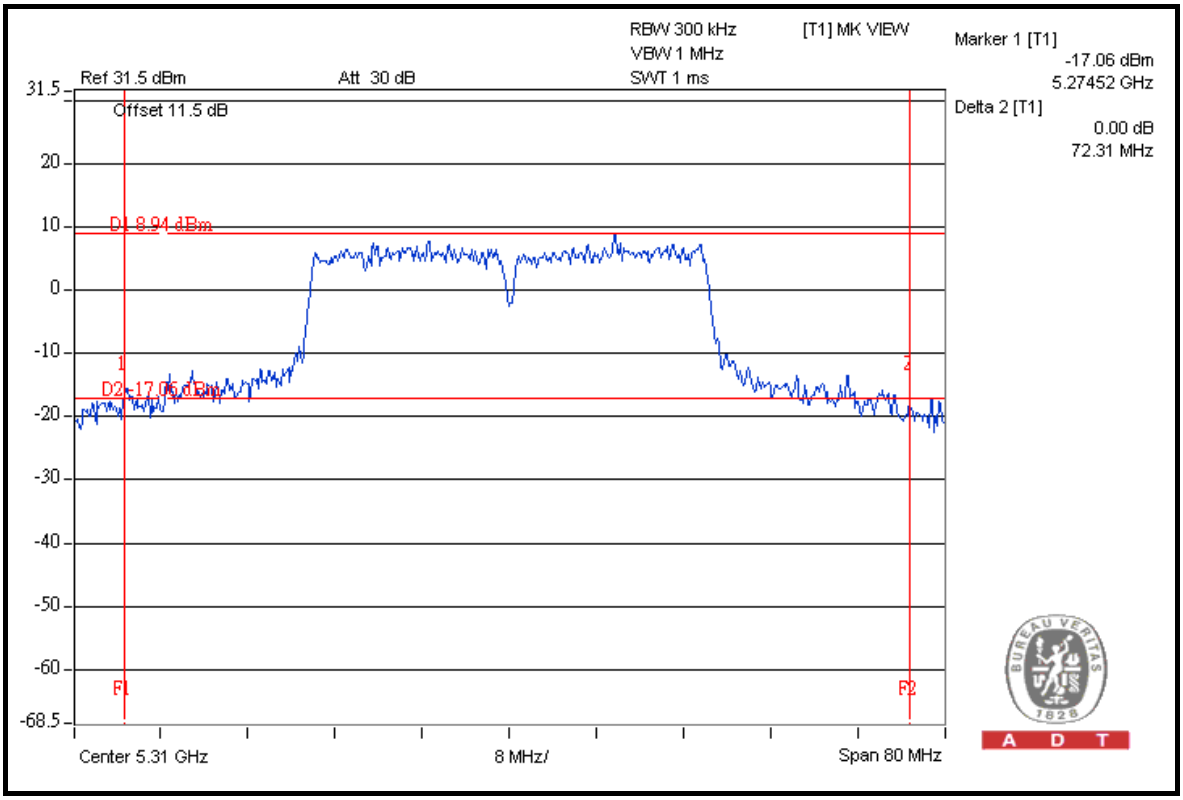
CH 46



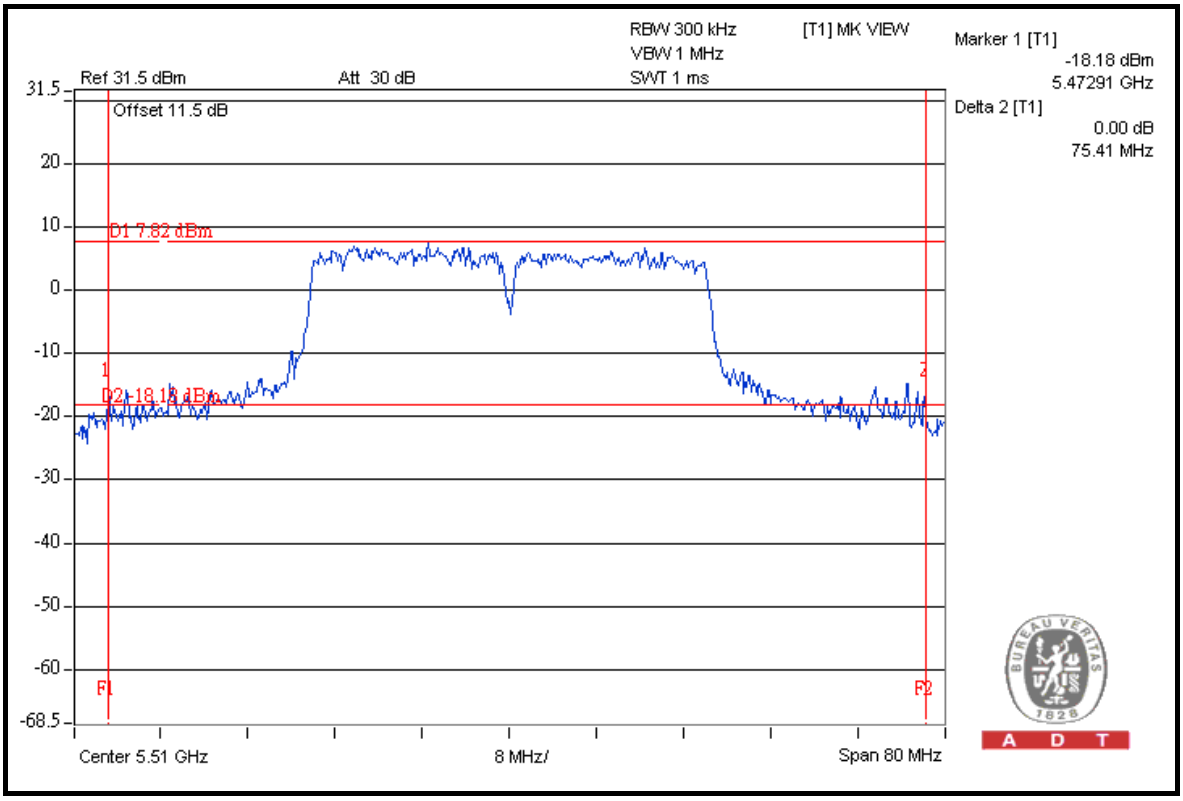
CH 54


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-19.35 dBm
5.23384 GHz
Delta 2 [T1]
0.00 dB
69.47 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 6.65 dBm
D2 -19.35 dBm
F1
F2
Center 5.27 GHz
8 MHz/
Span 80 MHz

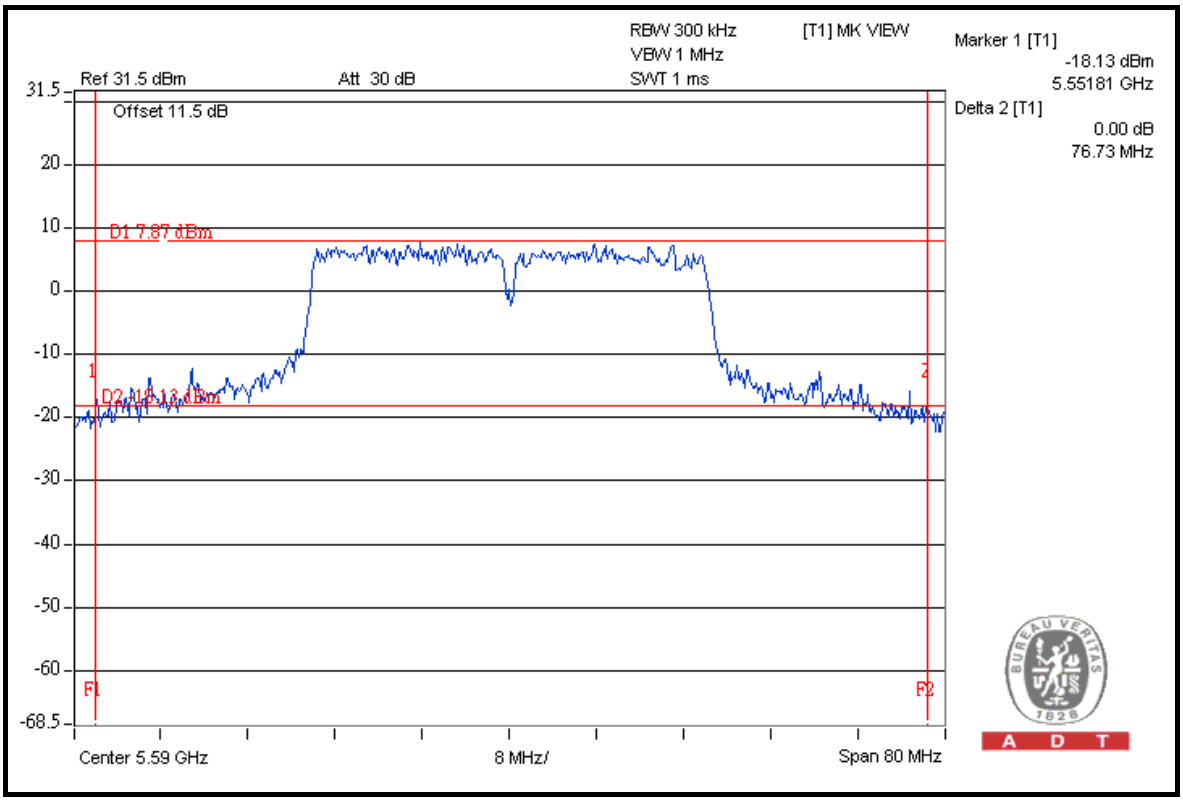
CH 62


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-17.06 dBm
5.27452 GHz
Delta 2 [T1]
0.00 dB
72.31 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 8.94 dBm
D2 -17.06 dBm
F1
F2
Center 5.31 GHz
8 MHz/
Span 80 MHz

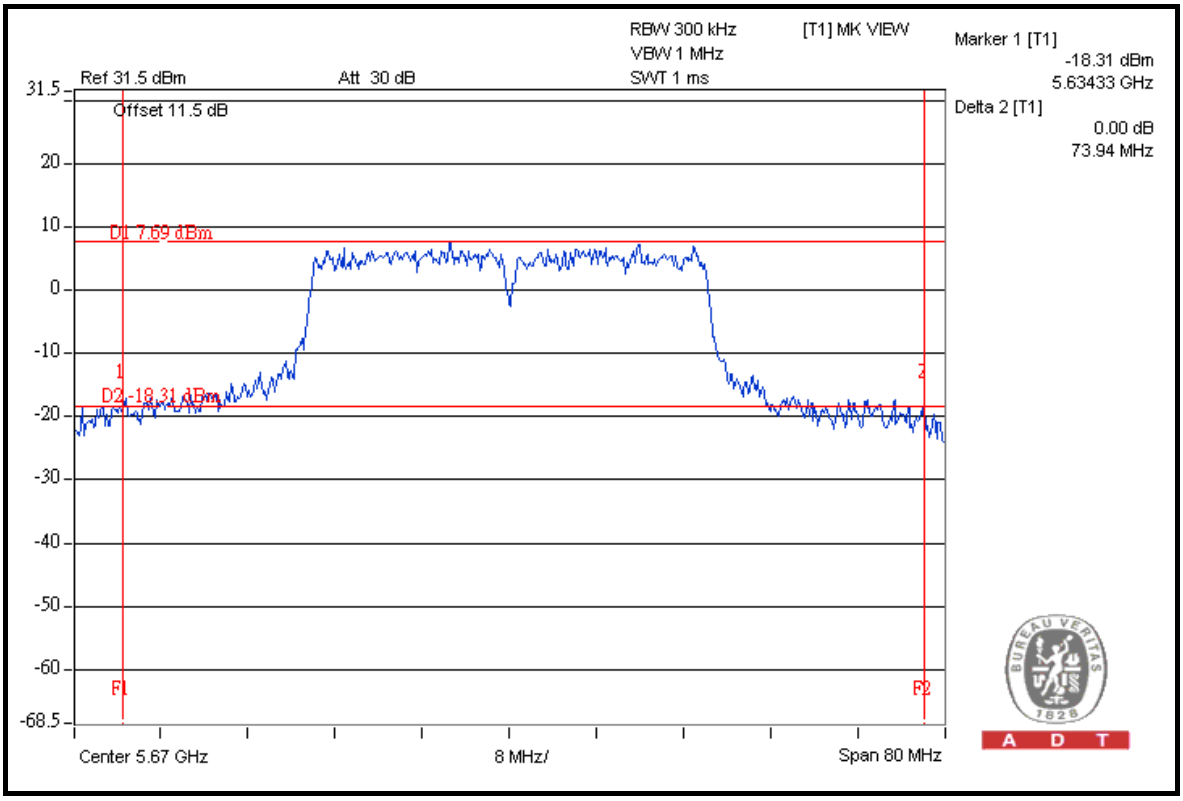
CH 102


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.18 dBm
5.47291 GHz
Delta 2 [T1]
0.00 dB
75.41 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.82 dBm
D2 -18.18 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.51 GHz
8 MHz/
Span 80 MHz

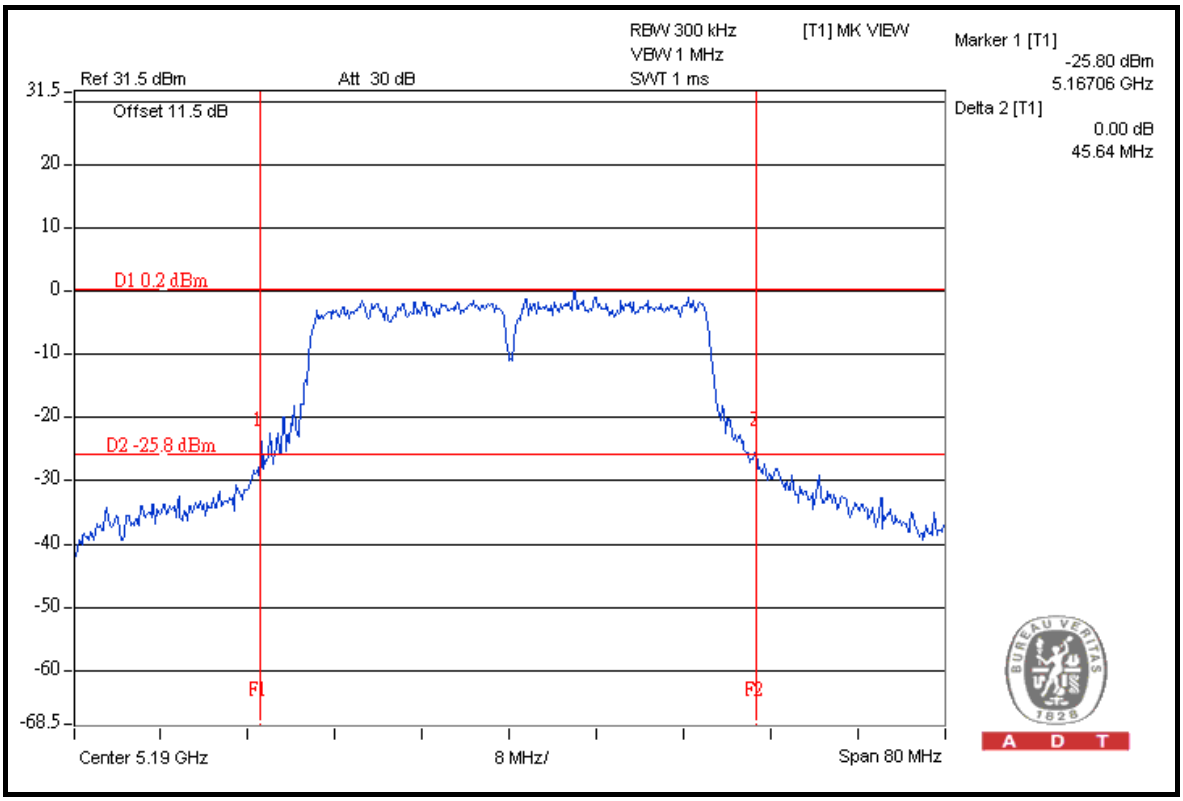
CH 118


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.13 dBm
5.55181 GHz
Delta 2 [T1]
0.00 dB
76.73 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.87 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.59 GHz
8 MHz/
Span 80 MHz

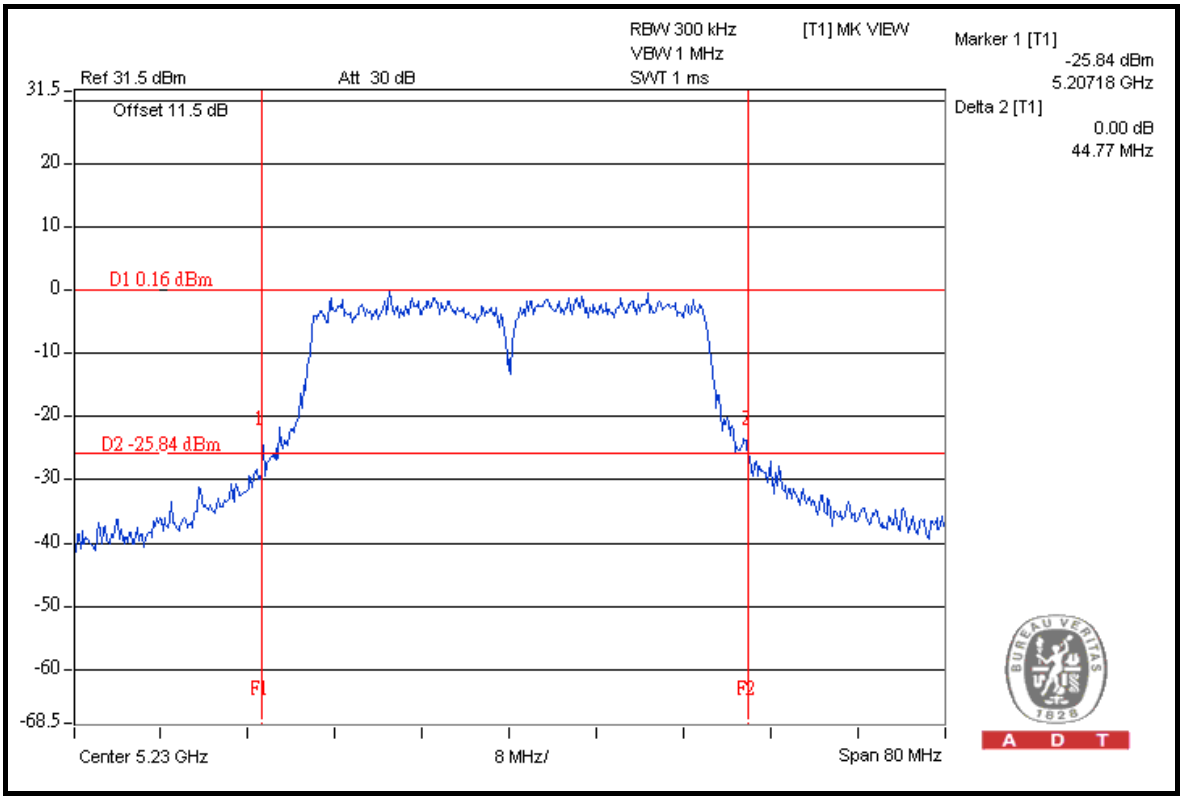
CH 134



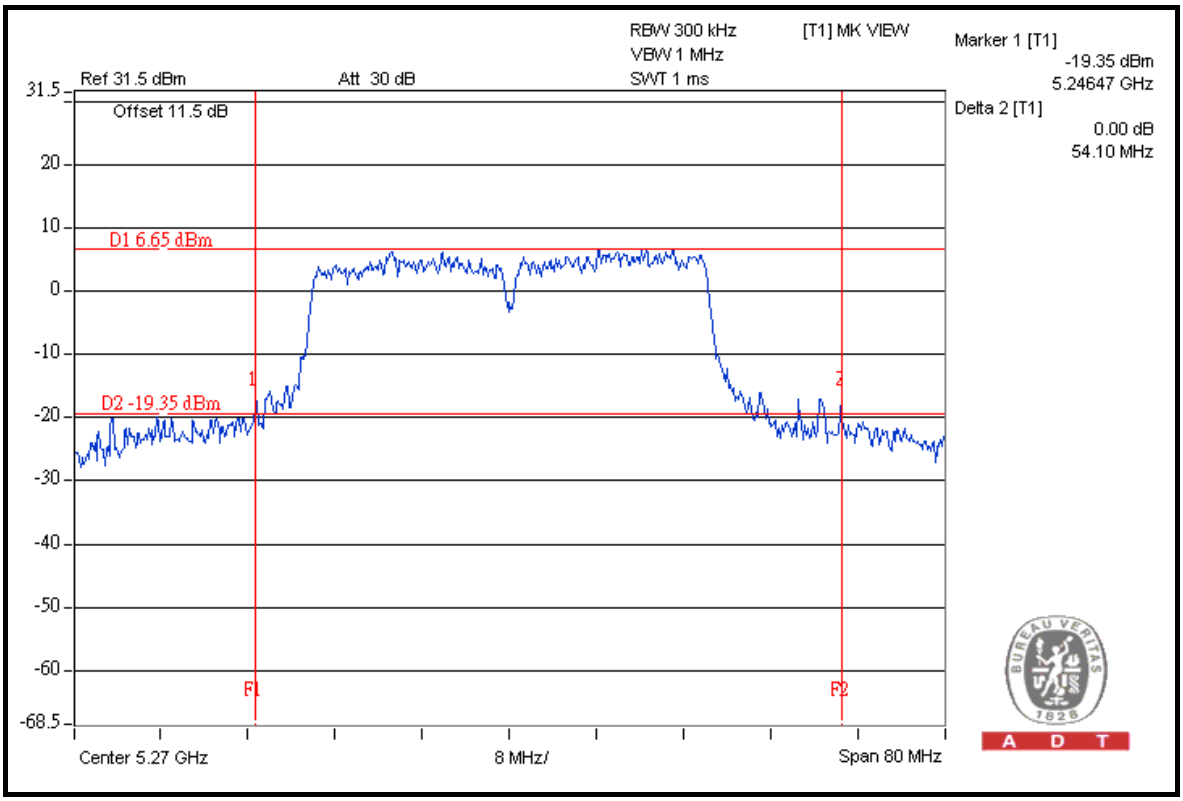
CHAIN 1 CH 38



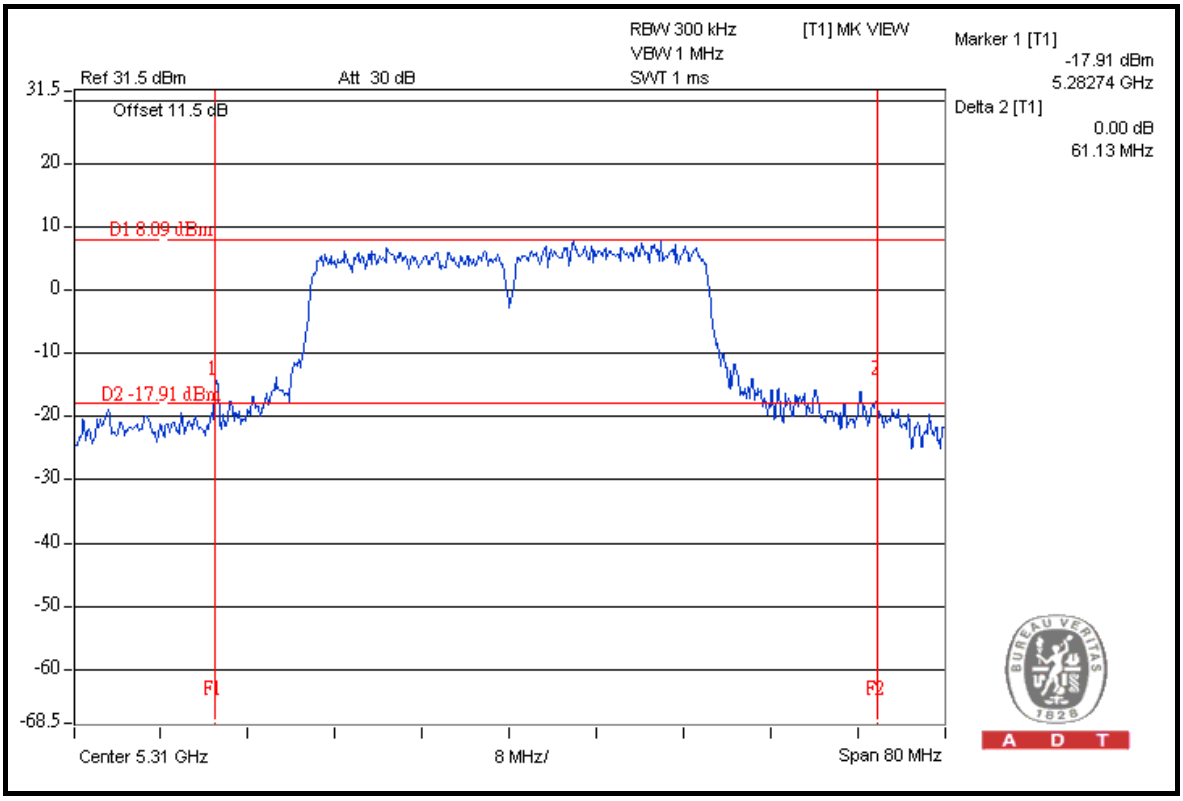
CH 46


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-25.84 dBm
5.20718 GHz
Delta 2 [T1]
0.00 dB
44.77 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 0.16 dBm
D2 -25.84 dBm
F1
F2
Center 5.23 GHz
8 MHz/
Span 80 MHz

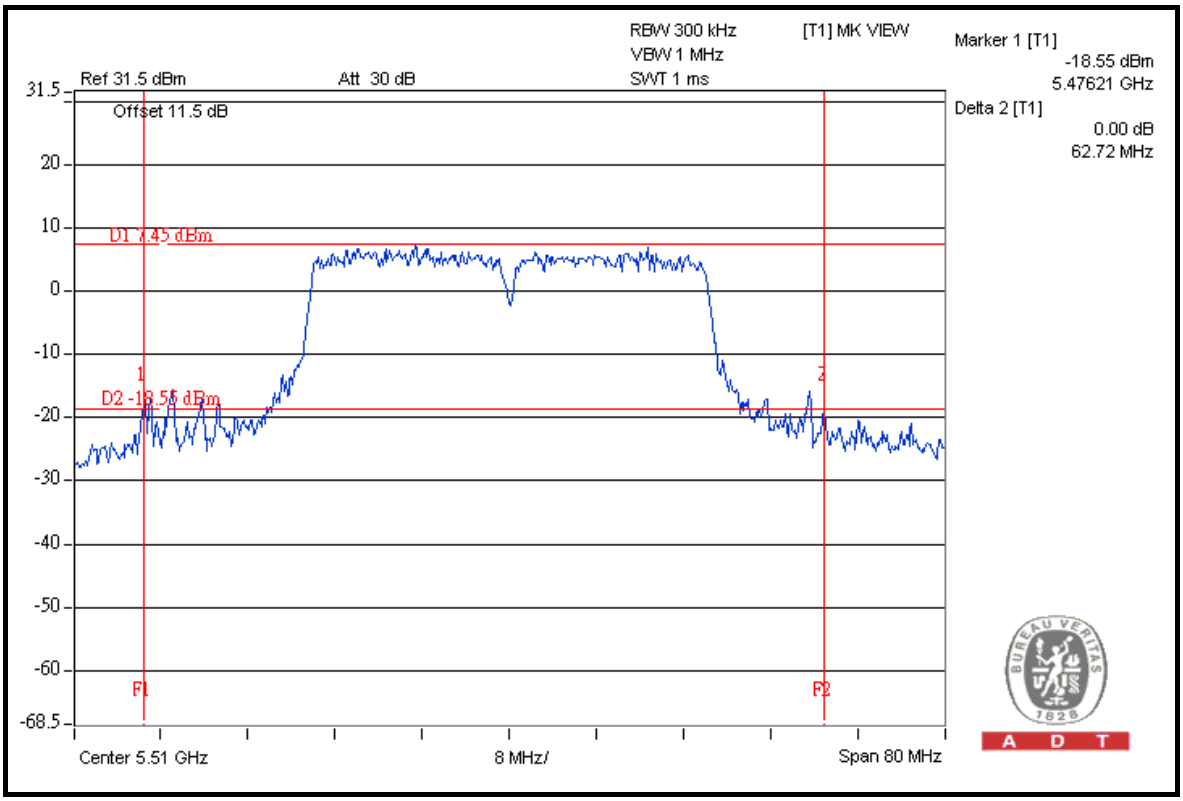
CH 54


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-19.35 dBm
5.24647 GHz
Delta 2 [T1]
0.00 dB
54.10 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 6.65 dBm
D2 -19.35 dBm
F1
F2
Center 5.27 GHz
8 MHz/
Span 80 MHz

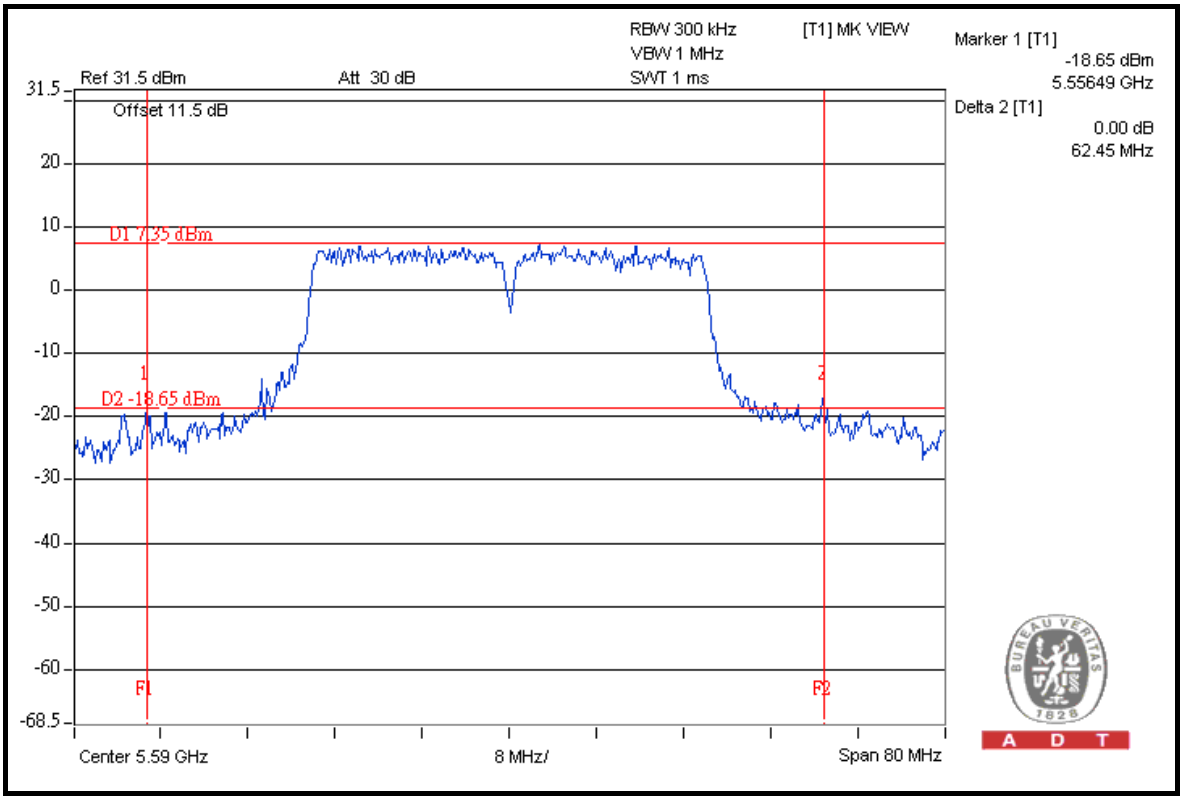
CH 62


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-17.91 dBm
5.28274 GHz
Delta 2 [T1]
0.00 dB
61.13 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 8.09 dBm
D2 -17.91 dBm
1
2
F1
F2
Center 5.31 GHz
8 MHz/
Span 80 MHz

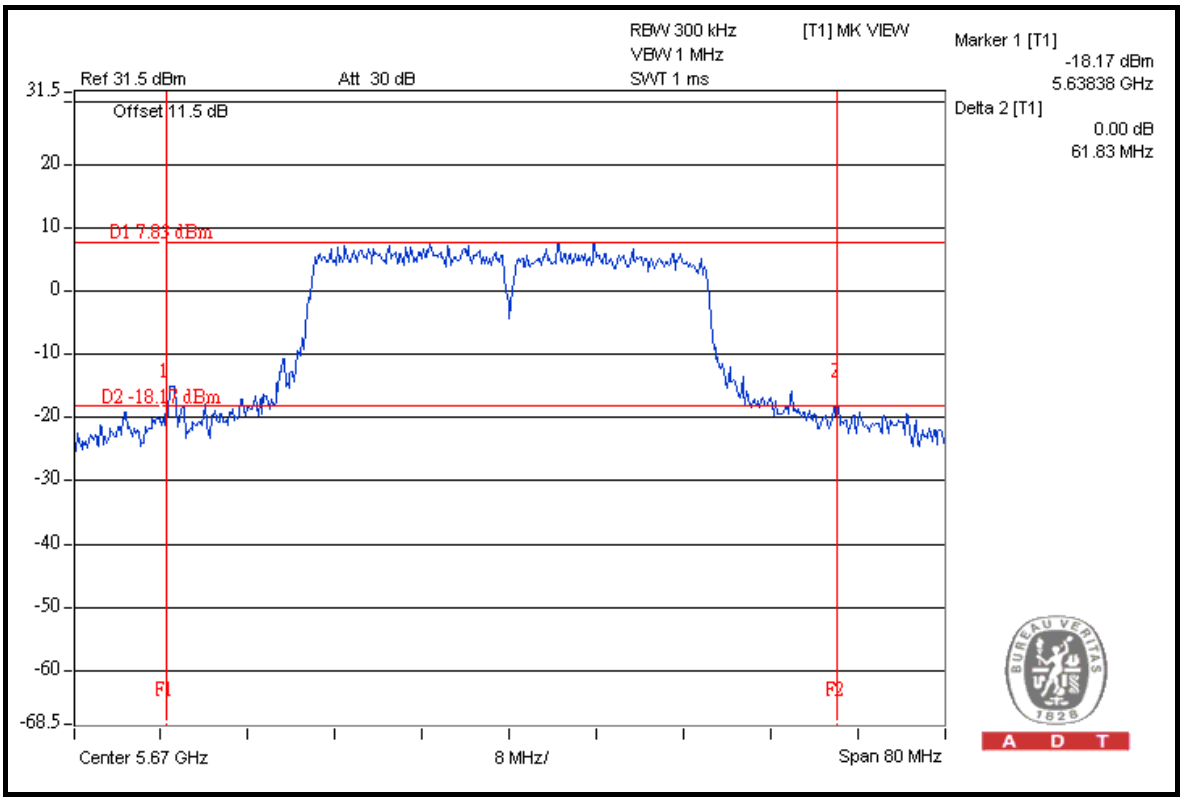
CH 102


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.55 dBm
5.47621 GHz
Delta 2 [T1]
0.00 dB
62.72 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 7.45 dBm
D2 -18.55 dBm
1
2
F1
F2
Center 5.51 GHz
8 MHz/
Span 80 MHz

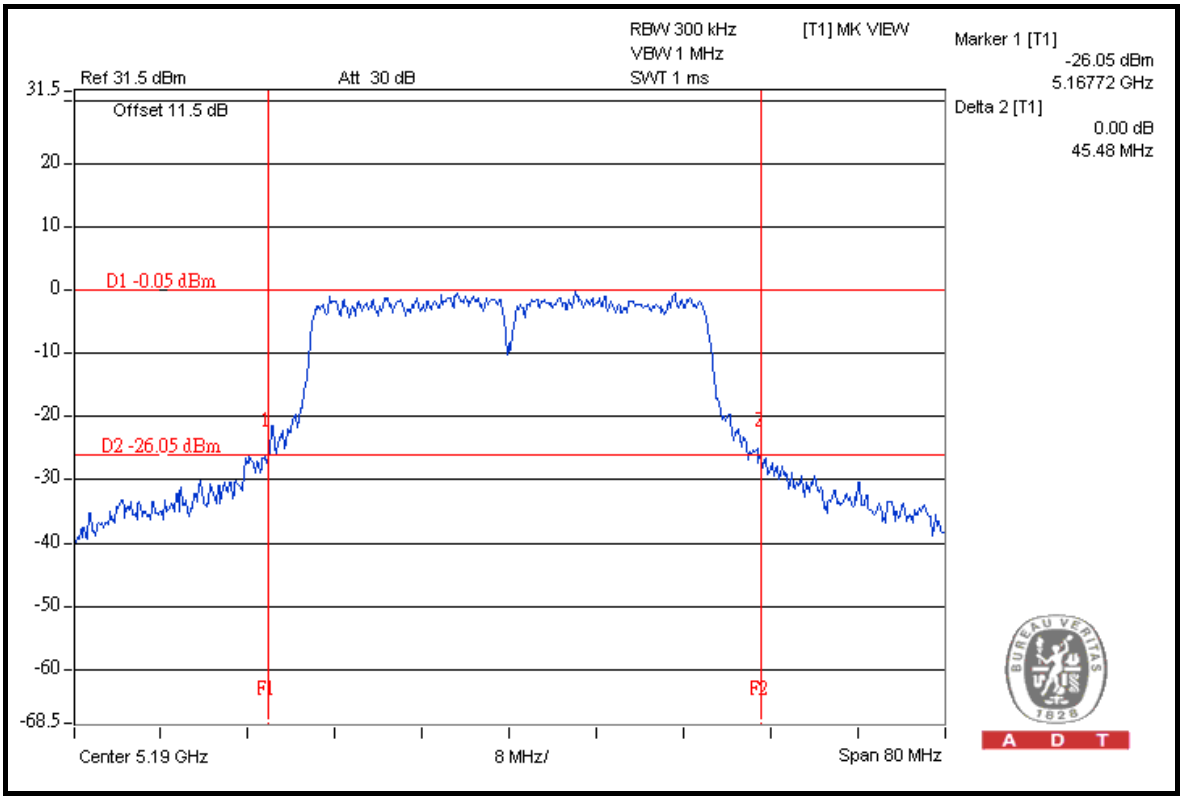
CH 118


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.65 dBm
5.55649 GHz
Delta 2 [T1]
0.00 dB
62.45 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.35 dBm
D2 -18.65 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.59 GHz
8 MHz/
Span 80 MHz

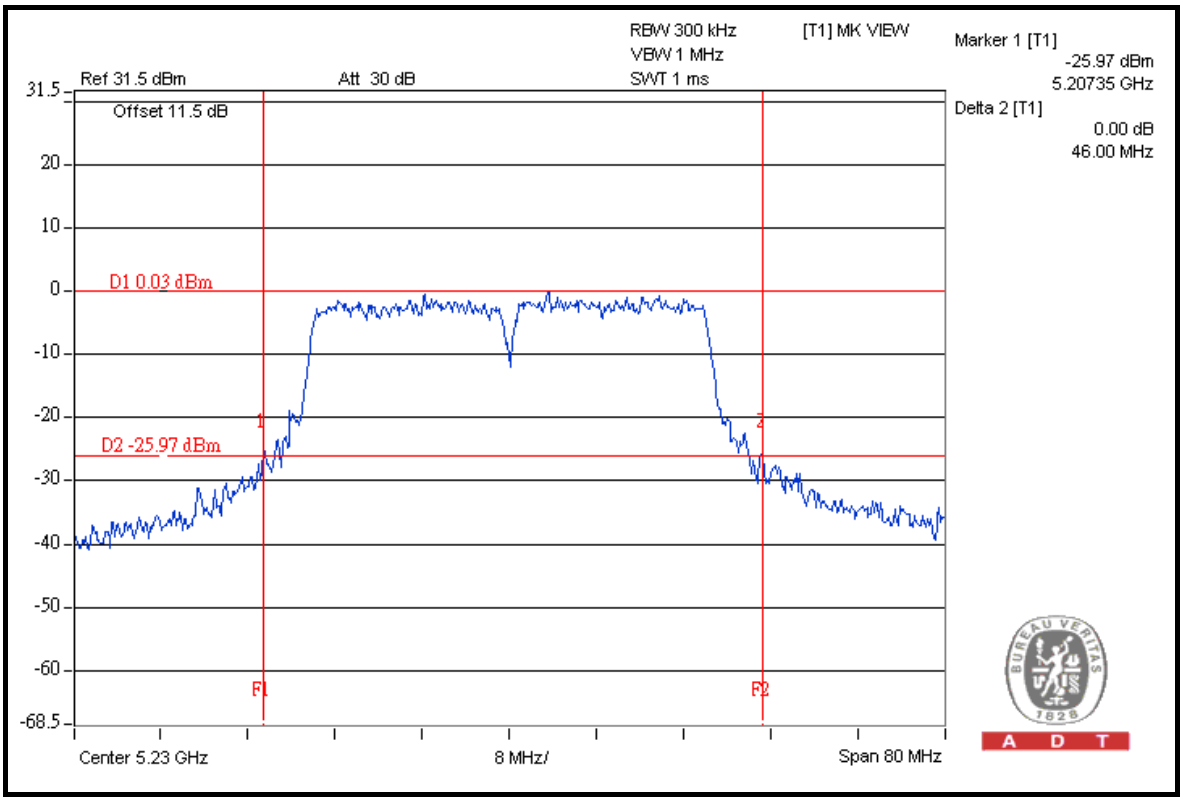
CH 134


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.17 dBm
5.63838 GHz
Delta 2 [T1]
0.00 dB
61.83 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.83 dBm
D2 -18.17 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.67 GHz
8 MHz/
Span 80 MHz

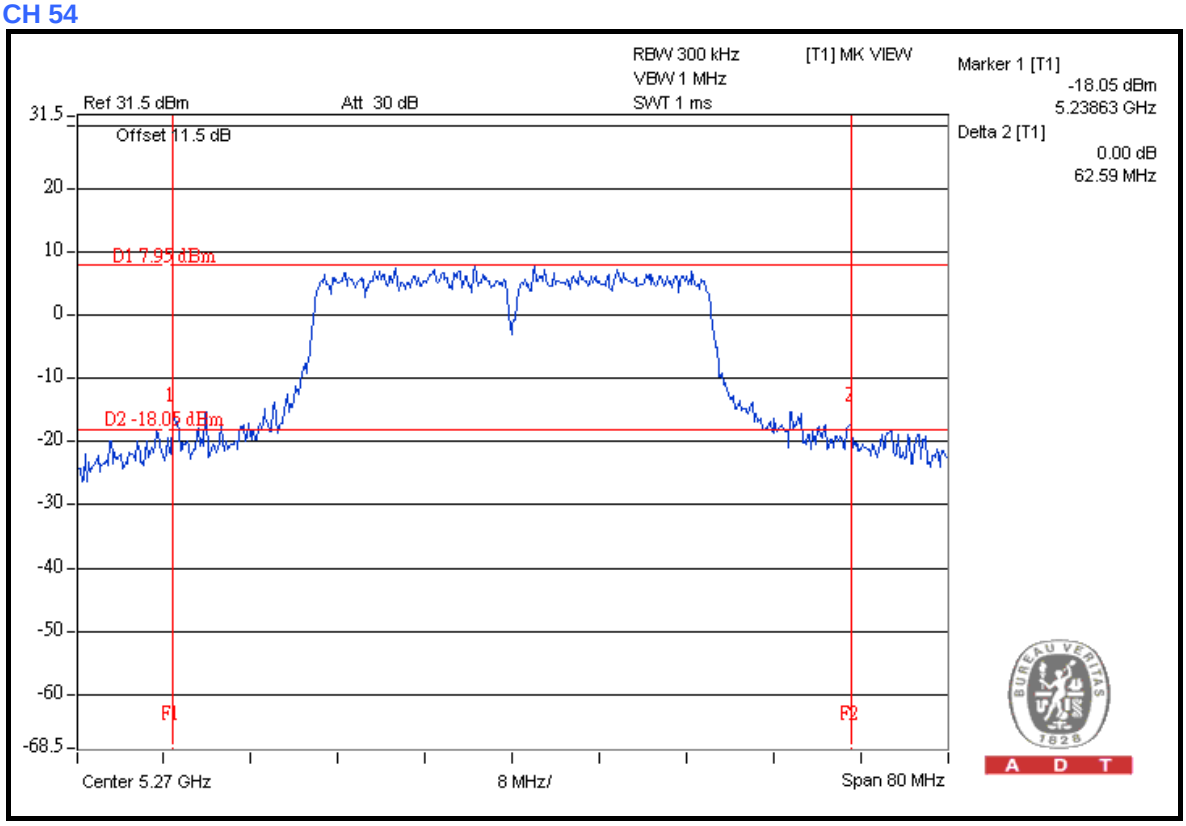
CHAIN 2 CH 38



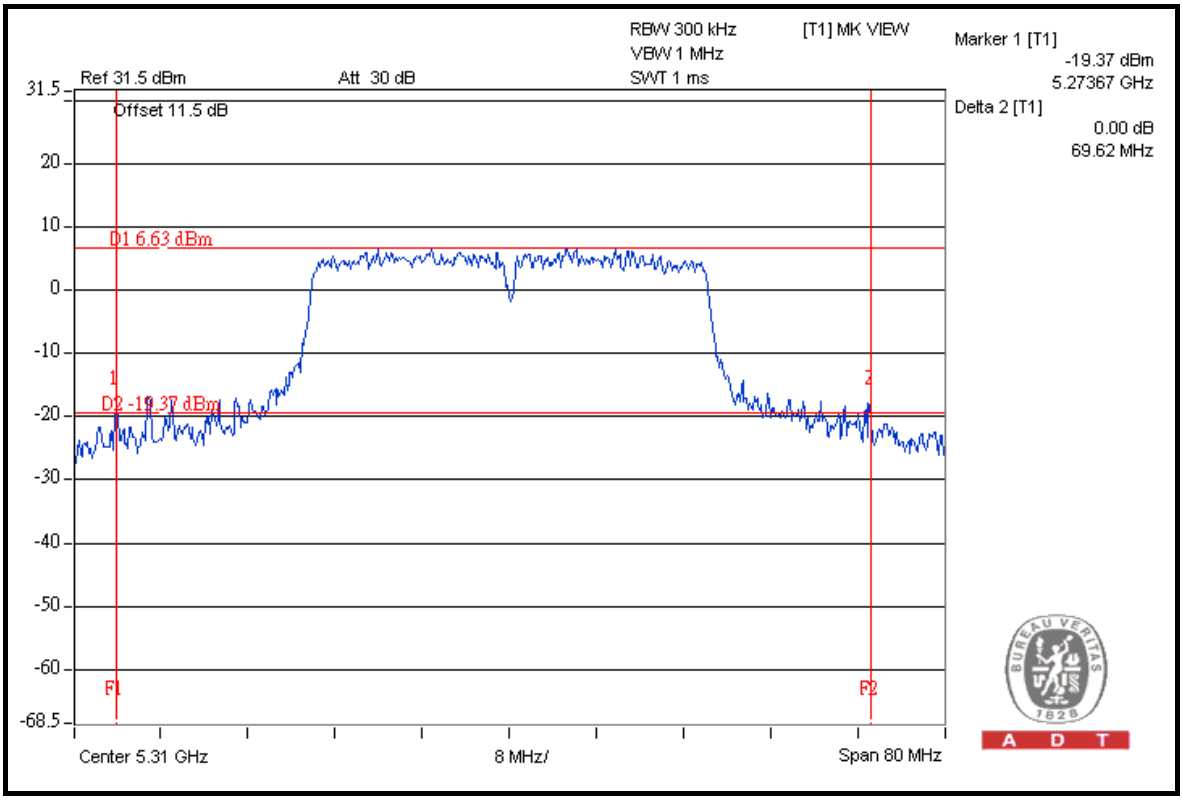
CH 46



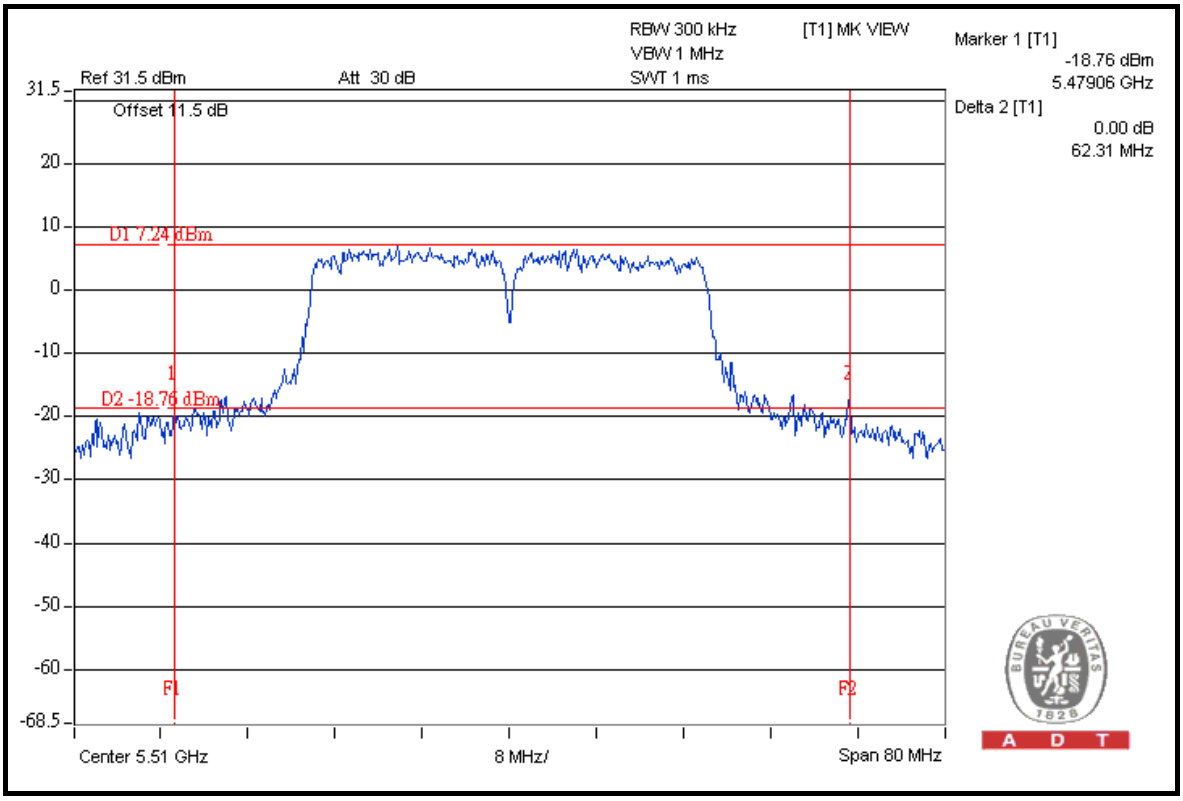
CH 54


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.05 dBm
5.23863 GHz
Delta 2 [T1]
0.00 dB
62.59 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.95 dBm
D2 -18.05 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.27 GHz
8 MHz/
Span 80 MHz

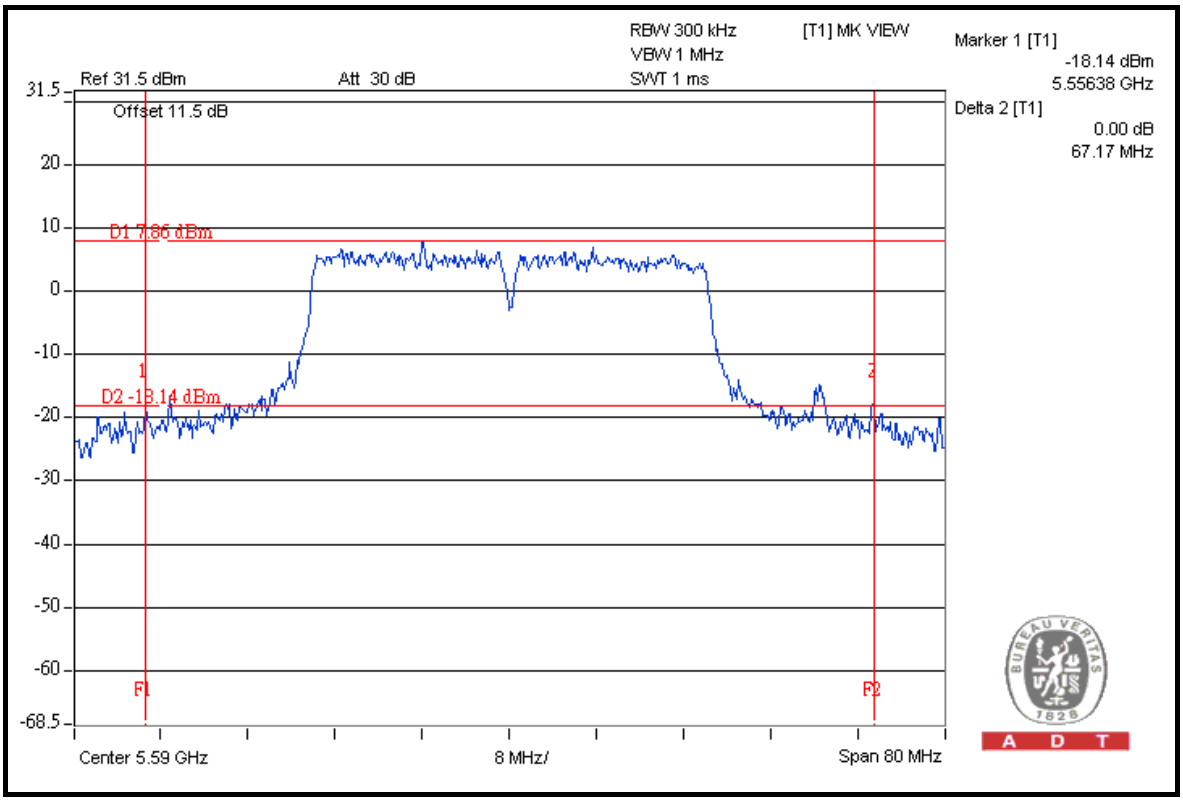
CH 62


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-19.37 dBm
5.27367 GHz
Delta 2 [T1]
0.00 dB
69.62 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 6.63 dBm
D2 -19.37 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.31 GHz
8 MHz/
Span 80 MHz

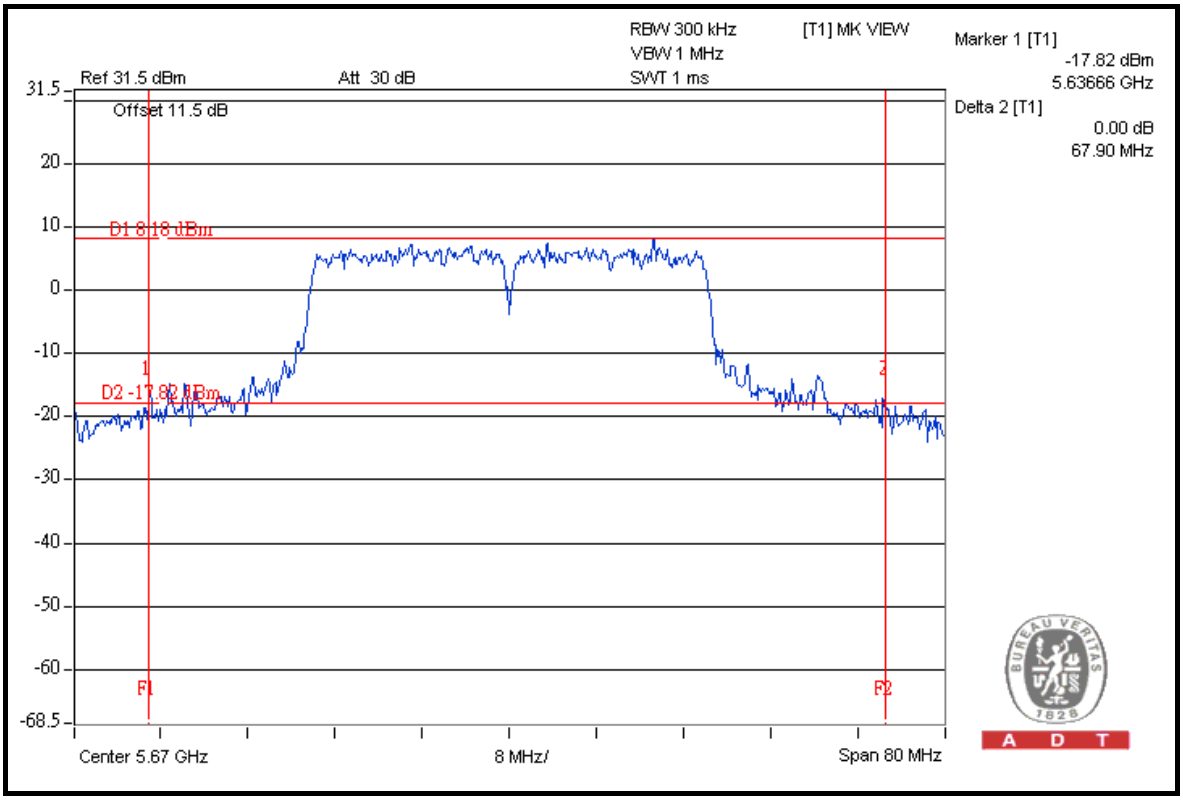
CH 102


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.76 dBm
5.47906 GHz
Delta 2 [T1]
0.00 dB
62.31 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.24 dBm
D2 -18.76 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.51 GHz
8 MHz/
Span 80 MHz

CH 118


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-18.14 dBm
5.55638 GHz
Delta 2 [T1]
0.00 dB
67.17 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 7.86 dBm
D2 -18.14 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.59 GHz
8 MHz/
Span 80 MHz

CH 134

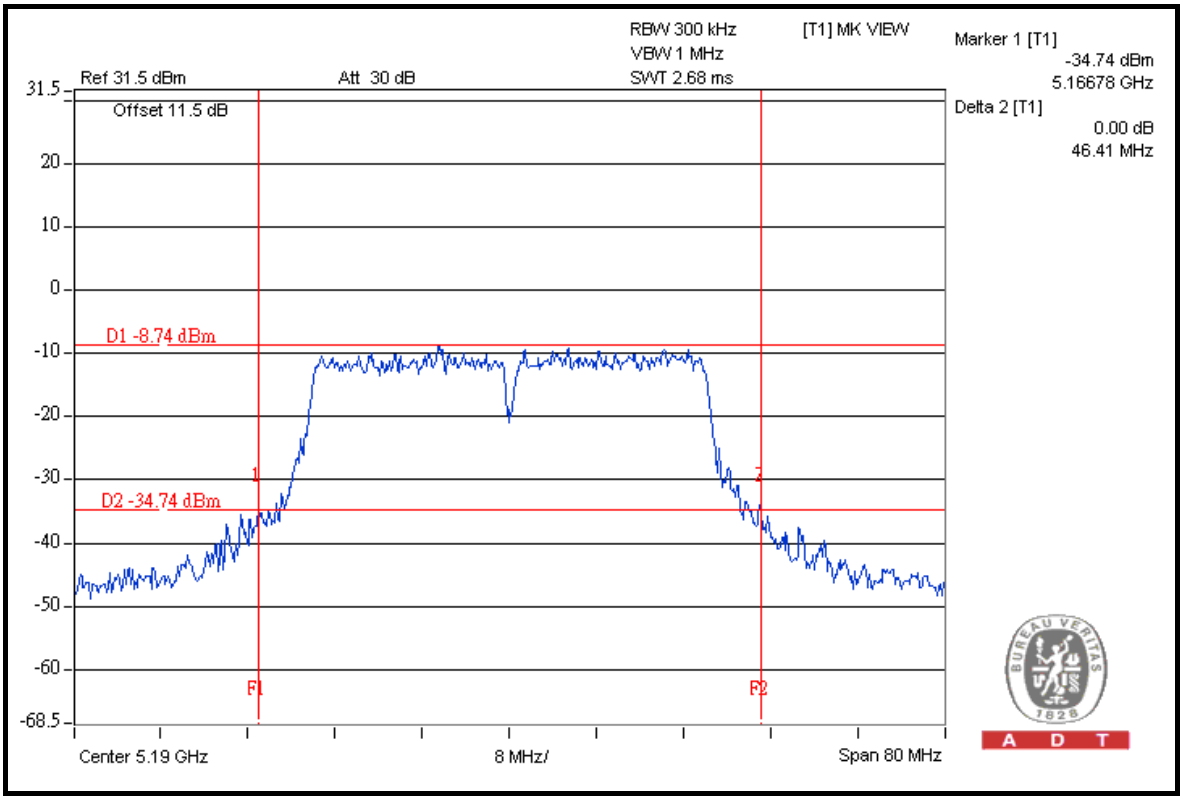

RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-17.82 dBm
5.63666 GHz
Delta 2 [T1]
0.00 dB
67.90 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 8.18 dBm
D2 -17.82 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.67 GHz
8 MHz/
Span 80 MHz

DRAFT 802.11n (40MHz) OFDM MODULATION

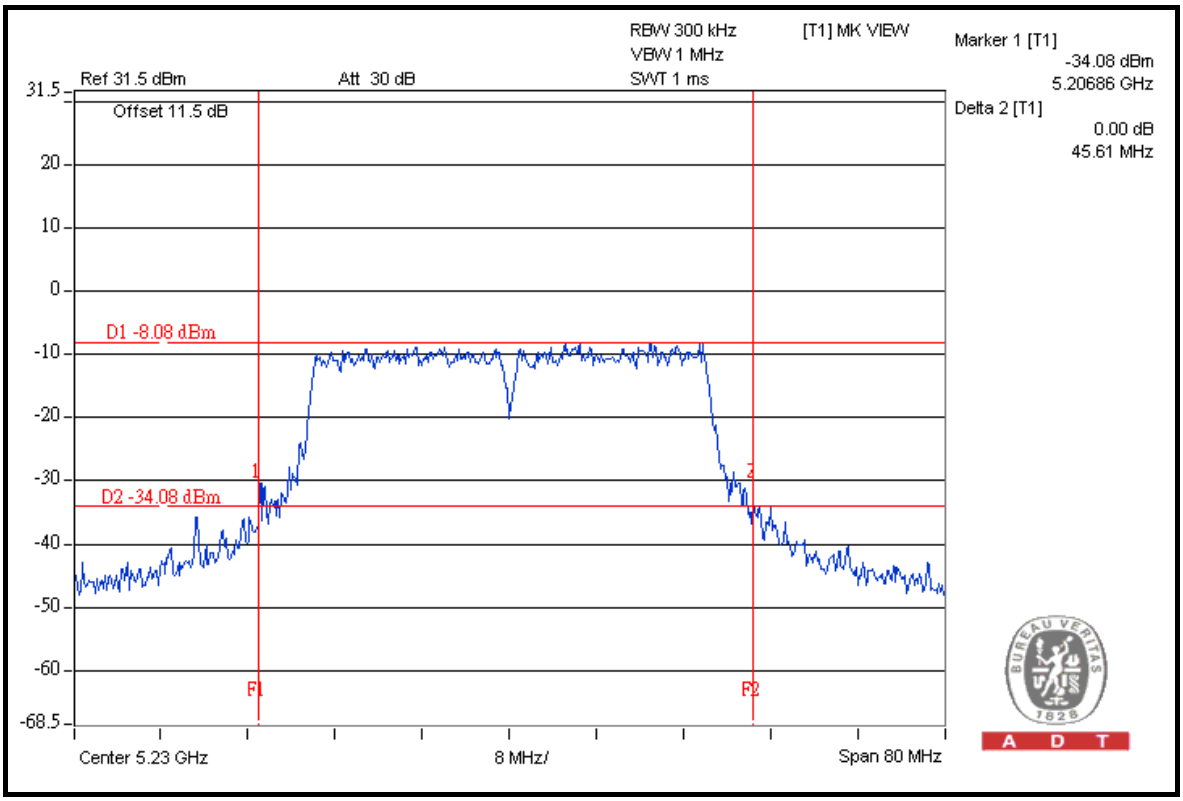
MODULATION TYPE	BPSK	**TRANSFER RATE**	13.5Mbps
INPUT POWER	120Vac, 60Hz	**ENVIRONMENTAL CONDITIONS**	25 deg.C, 65 %RH, 1021hPa
TESTED BY	Brad Wu	**TEST MODE**	**C**

CHANNEL	**CHANNEL FREQUENCY (MHz)**	**26dBc OCCUPIED BANDWIDTH (MHz)**		**PASS / FAIL**
		CHAIN 0	**CHAIN 1**	
38	5190	46.41	43.75	PASS
46	5230	45.61	42.96	PASS
54	5270	44.45	46.33	PASS
62	5310	44.94	43.63	PASS
102	5510	43.18	43.91	PASS
118	5590	44.43	45.34	PASS
134	5670	44.25	45.00	PASS

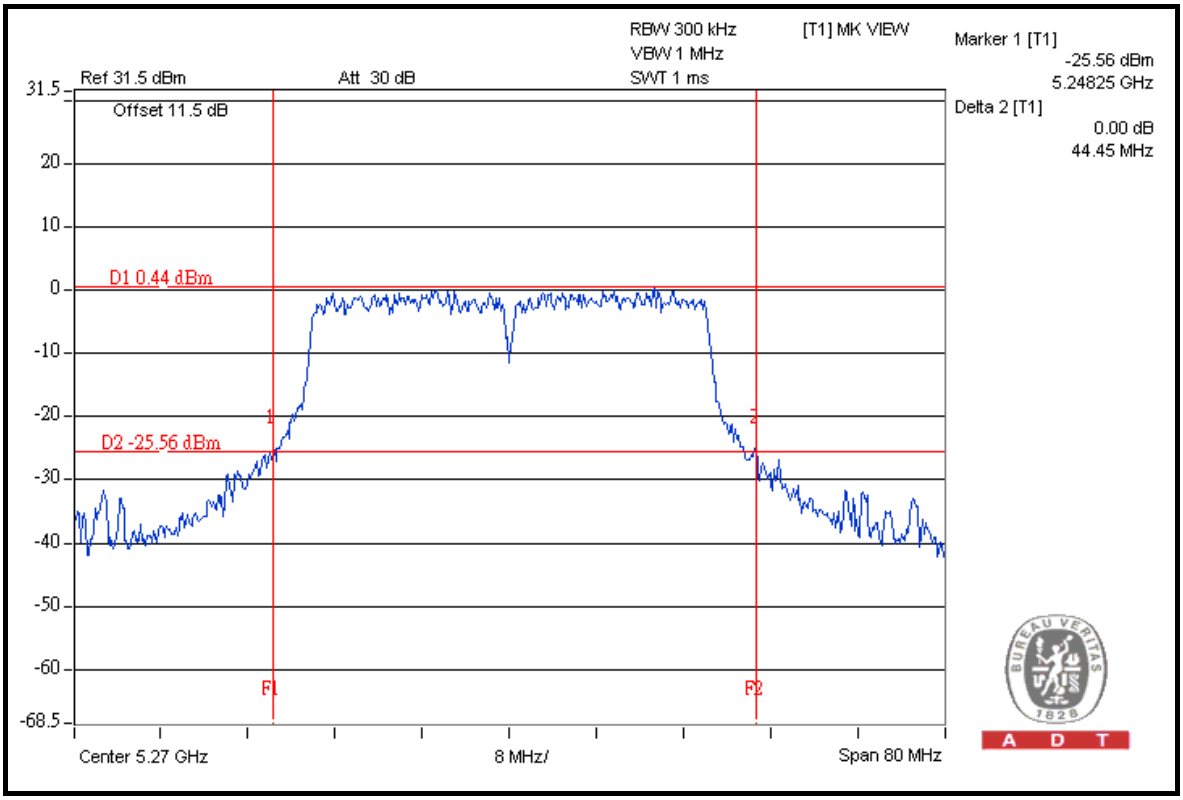
CHAIN 0 CH 38



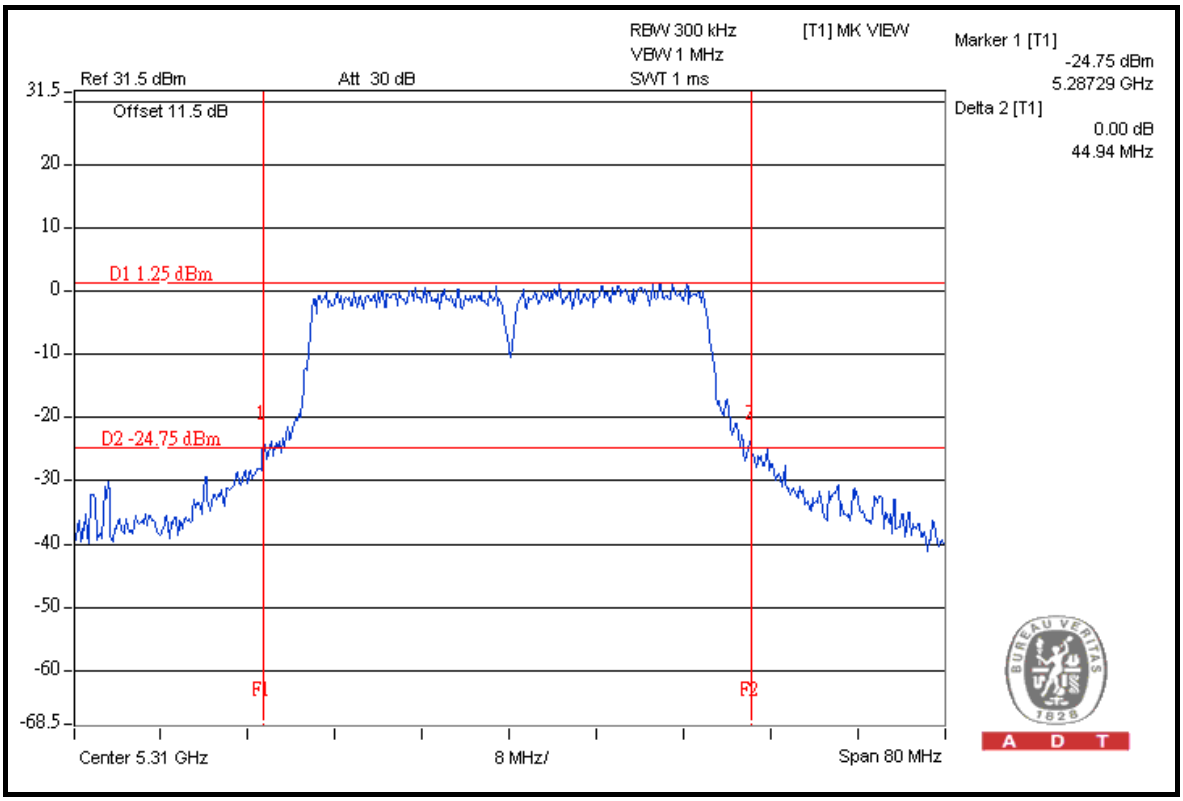
CH 46



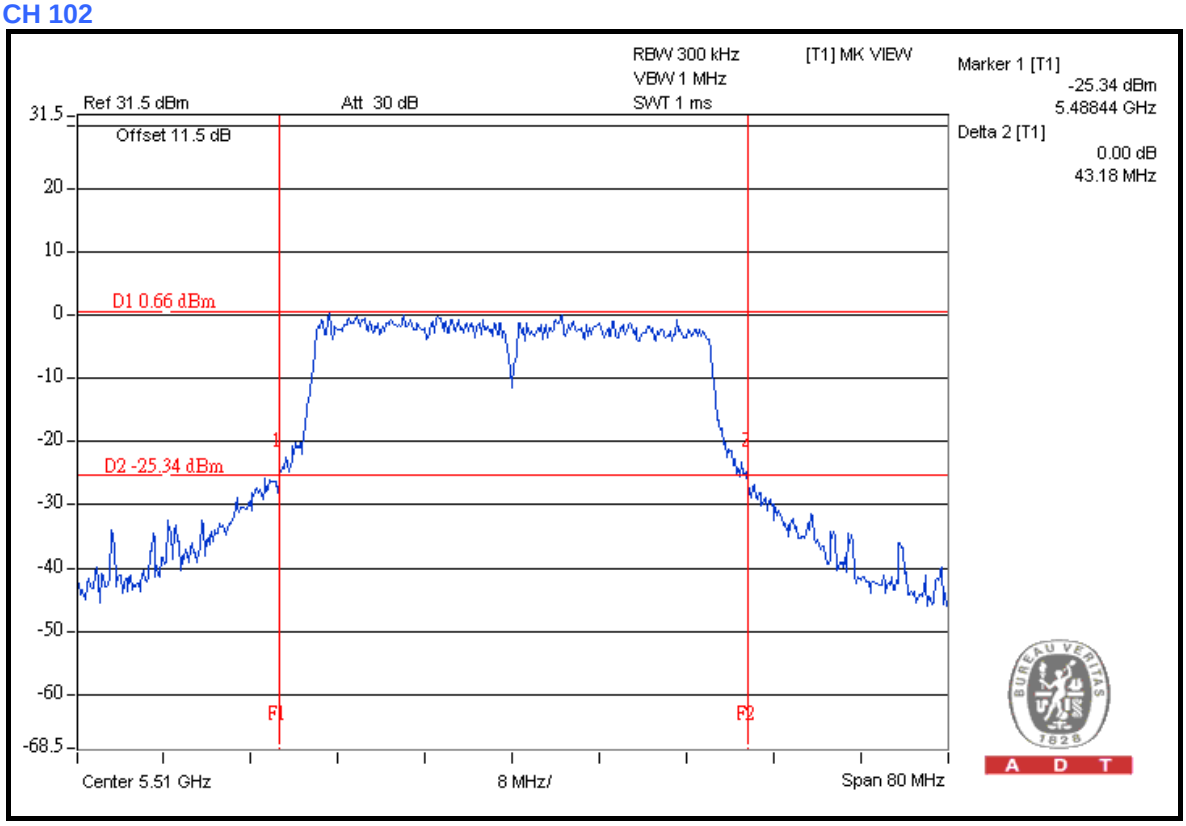
CH 54


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-25.56 dBm
5.24825 GHz
Delta 2 [T1]
0.00 dB
44.45 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 0.44 dBm
D2 -25.56 dBm
F1
F2
Center 5.27 GHz
8 MHz/
Span 80 MHz

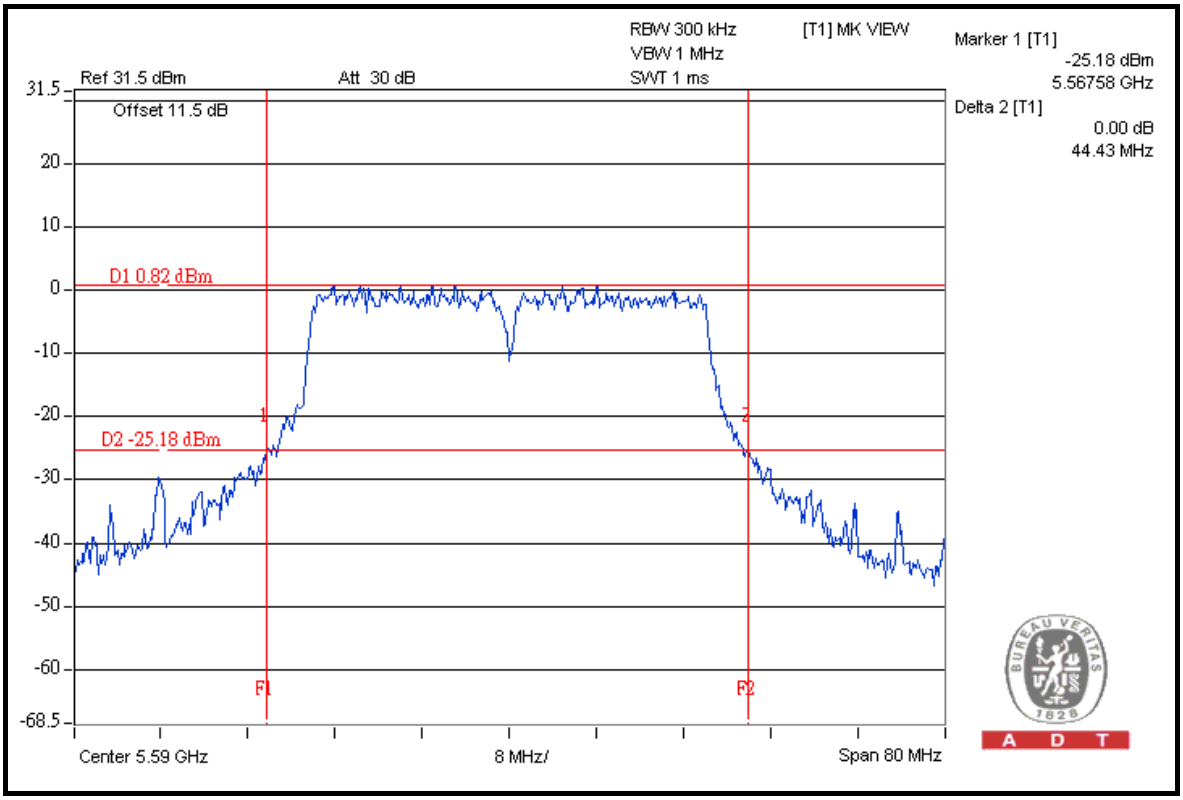
CH 62


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-24.75 dBm
5.28729 GHz
Delta 2 [T1]
0.00 dB
44.94 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 1.25 dBm
D2 -24.75 dBm
F1
F2
Center 5.31 GHz
8 MHz/
Span 80 MHz

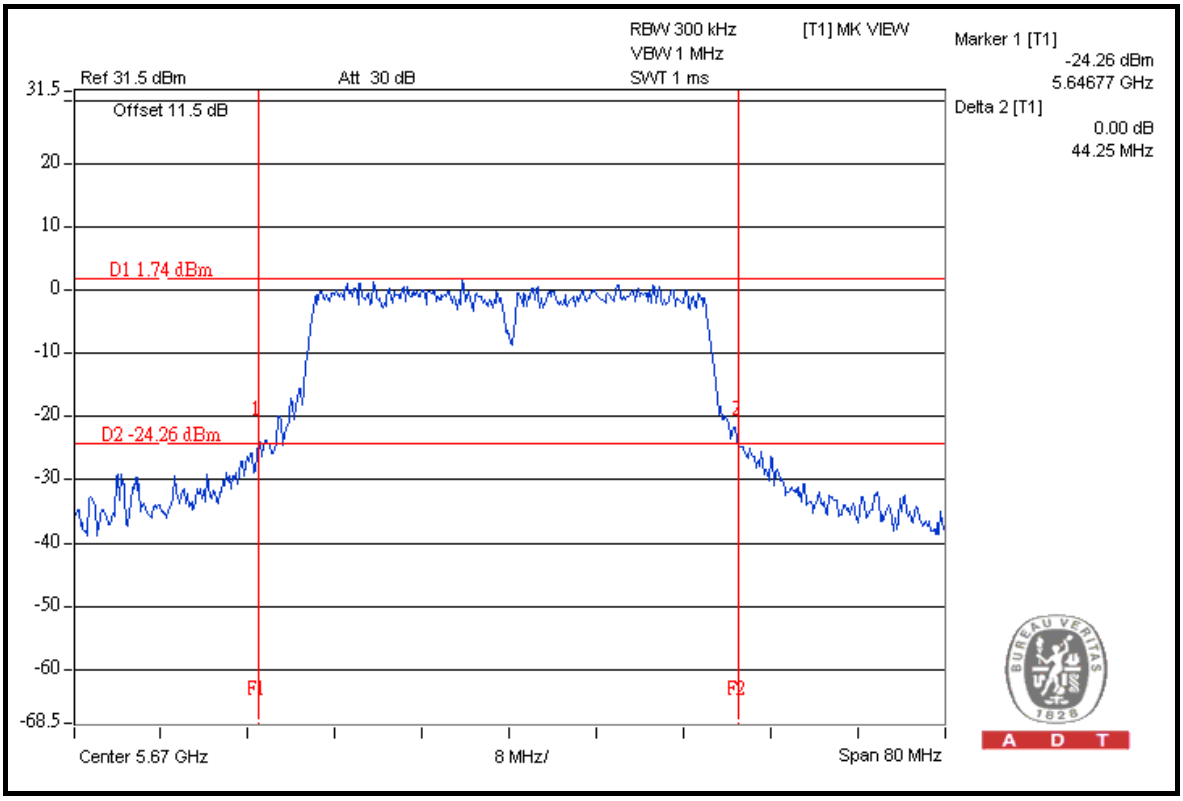
CH 102


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-25.34 dBm
5.48844 GHz
Delta 2 [T1]
0.00 dB
43.18 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 0.66 dBm
D2 -25.34 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.51 GHz
8 MHz/
Span 80 MHz

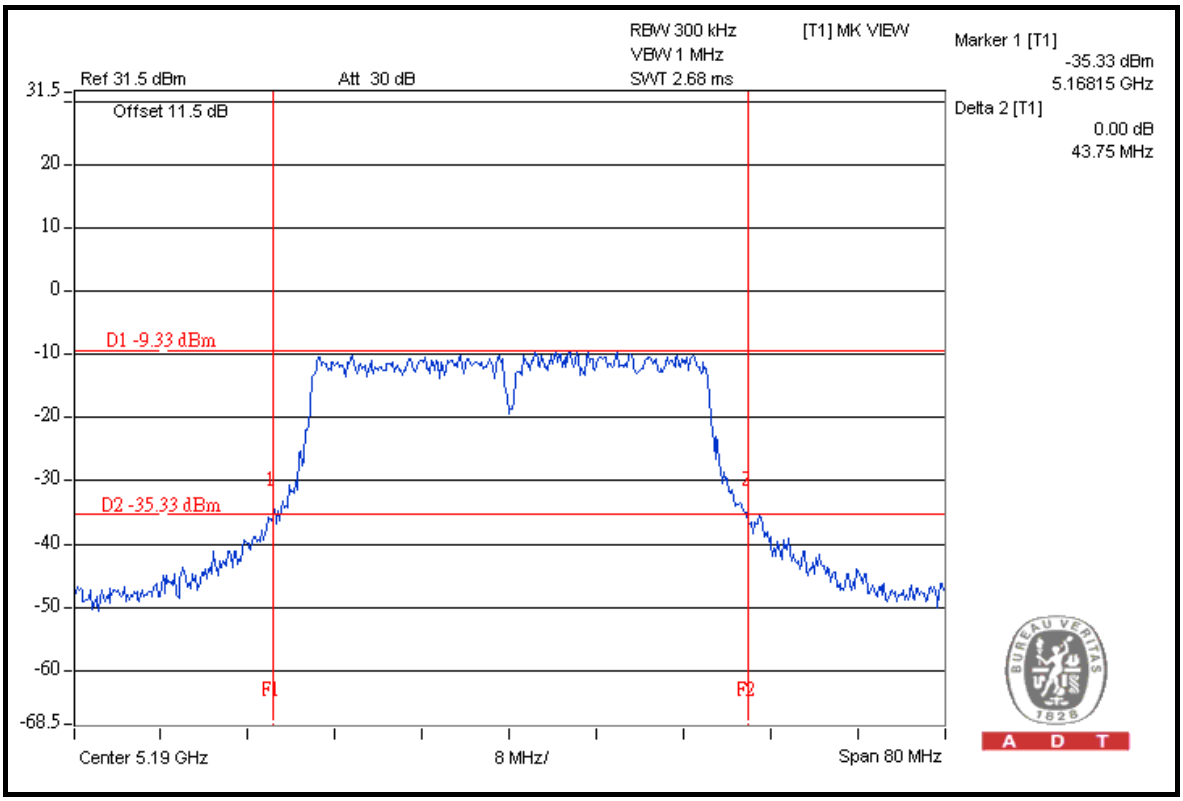
CH 118


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-25.18 dBm
5.56758 GHz
Delta 2 [T1]
0.00 dB
44.43 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 0.82 dBm
D2 -25.18 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.59 GHz
8 MHz/
Span 80 MHz

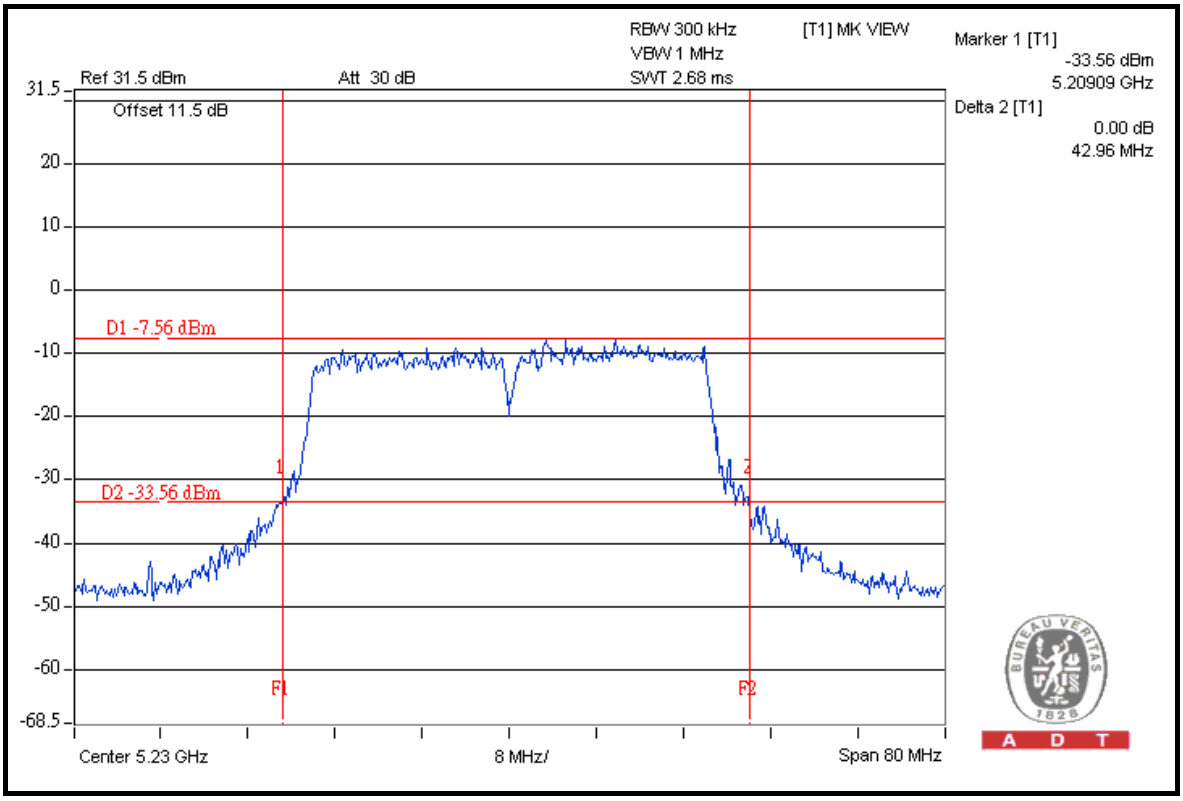
CH 134



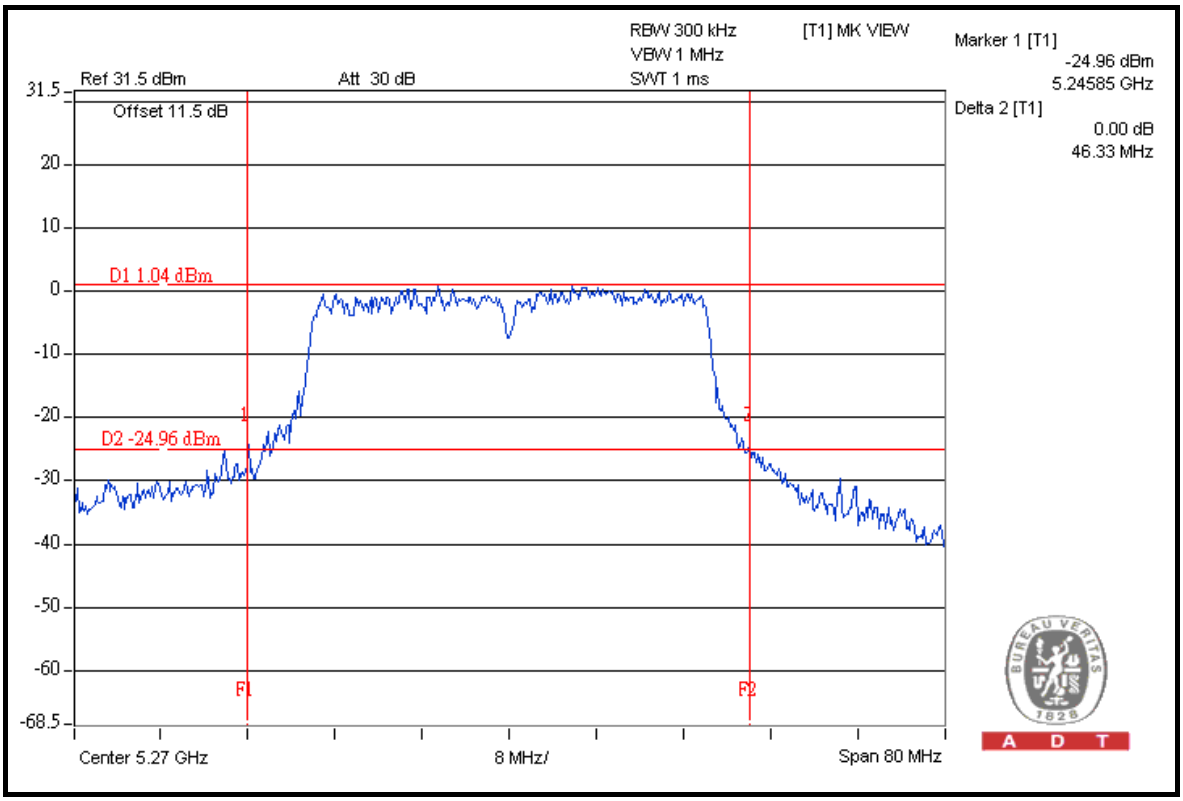
CHAIN 1 CH 38



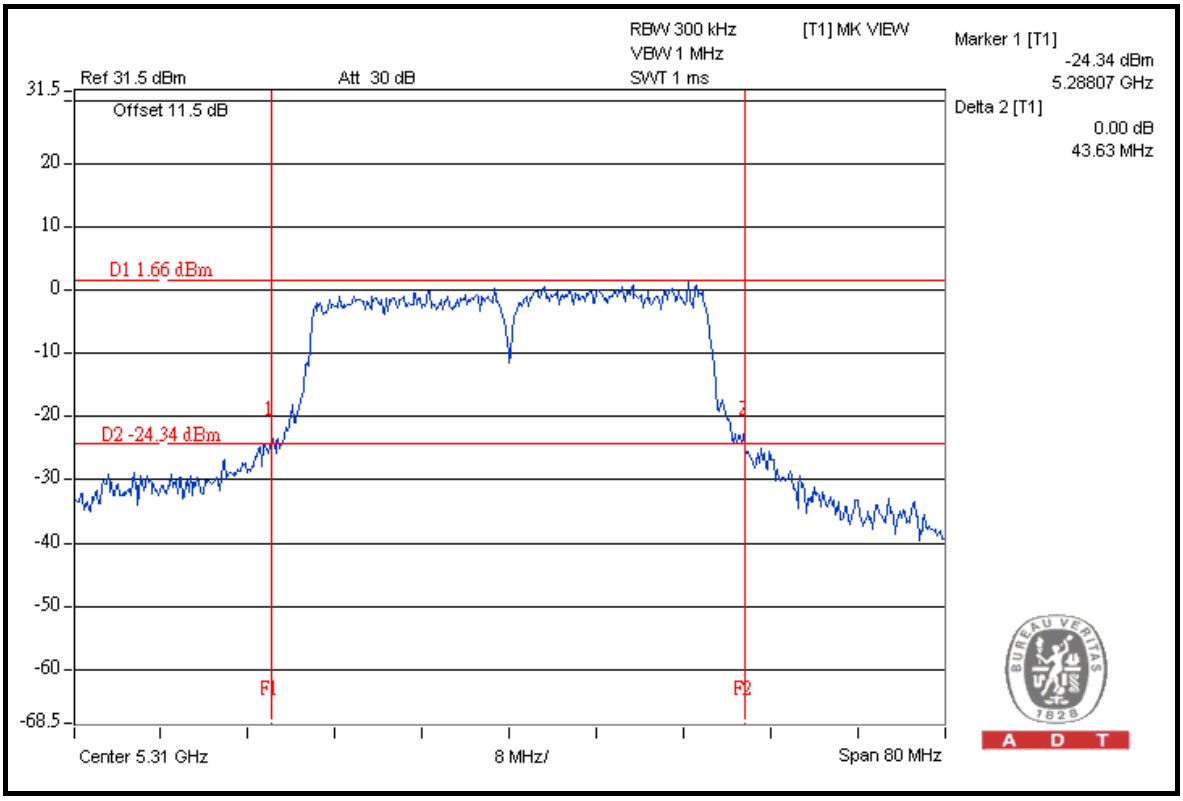
CH 46


RBW 300 kHz
VBW 1 MHz
SWT 2.68 ms
[T1] MK VIEW
Marker 1 [T1]
-33.56 dBm
5.20909 GHz
Delta 2 [T1]
0.00 dB
42.96 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 -7.56 dBm
D2 -33.56 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.23 GHz
8 MHz/
Span 80 MHz

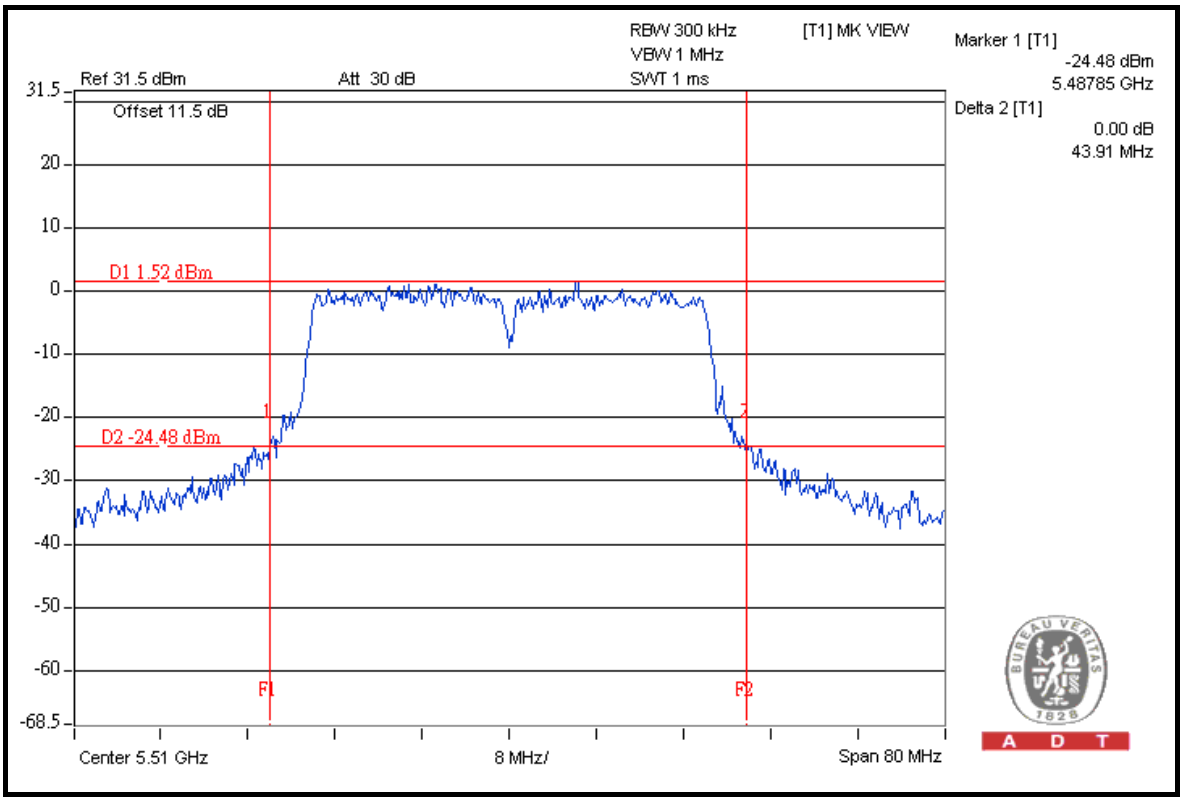
CH 54


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-24.96 dBm
5.24585 GHz
Delta 2 [T1]
0.00 dB
46.33 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 1.04 dBm
D2 -24.96 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.27 GHz
8 MHz/
Span 80 MHz

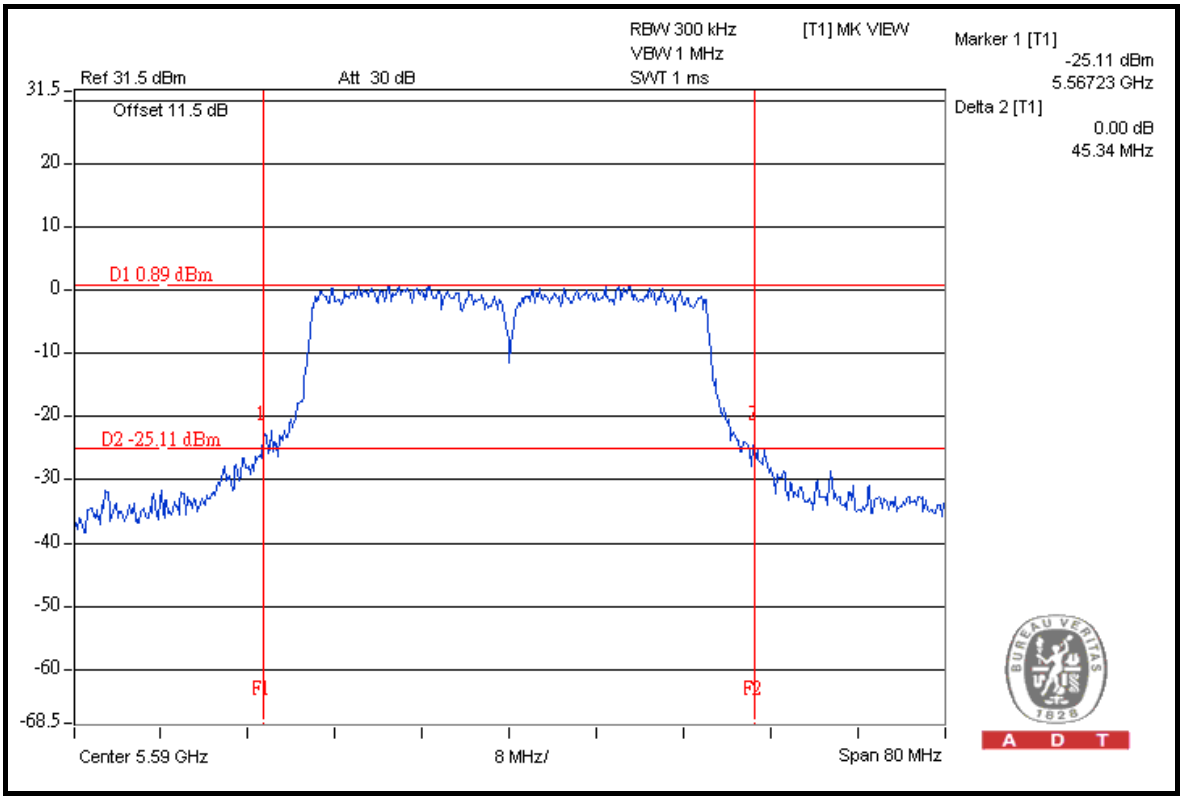
CH 62


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-24.34 dBm
5.28807 GHz
Delta 2 [T1]
0.00 dB
43.63 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 1.66 dBm
D2 -24.34 dBm
F1
F2
Center 5.31 GHz
8 MHz/
Span 80 MHz

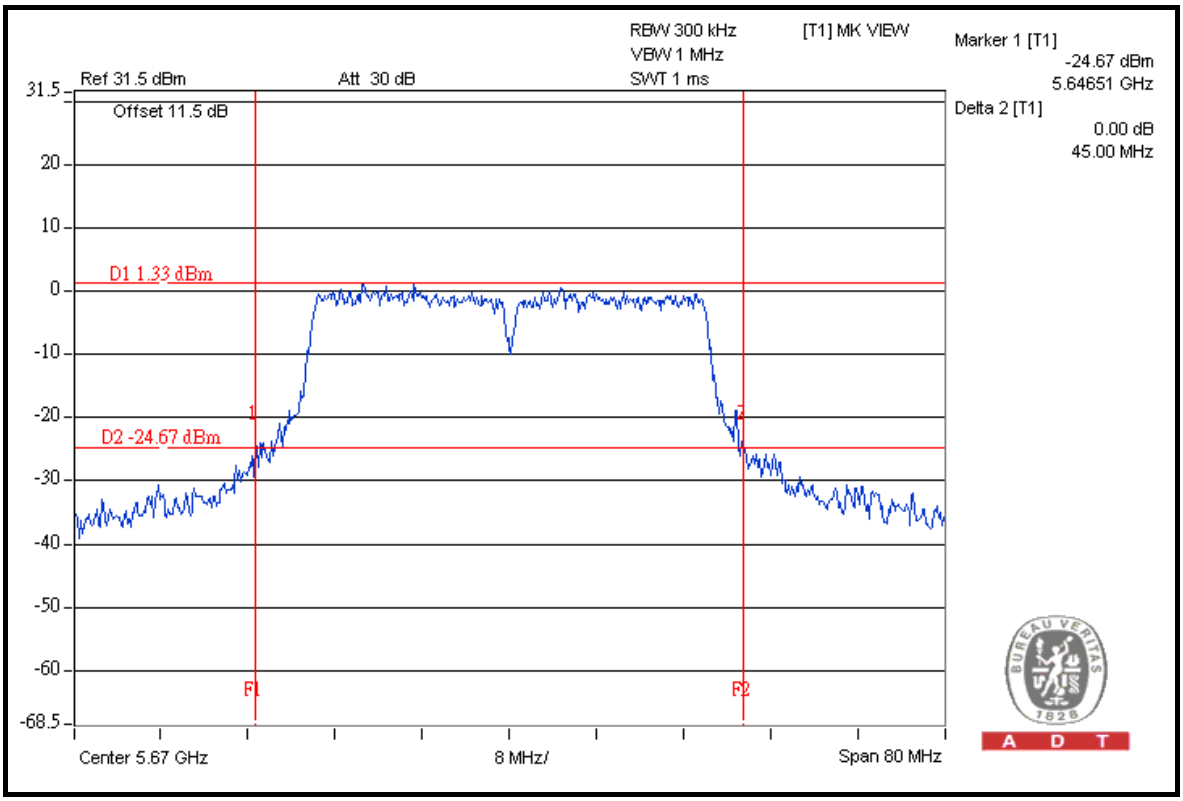
CH 102


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-24.48 dBm
5.48785 GHz
Delta 2 [T1]
0.00 dB
43.91 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
D1 1.52 dBm
D2 -24.48 dBm
F1
F2
Center 5.51 GHz
8 MHz/
Span 80 MHz

CH 118


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-25.11 dBm
5.56723 GHz
Delta 2 [T1]
0.00 dB
45.34 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 0.89 dBm
D2 -25.11 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.59 GHz
8 MHz/
Span 80 MHz

CH 134


RBW 300 kHz
VBW 1 MHz
SWT 1 ms
[T1] MK VIEW
Marker 1 [T1]
-24.67 dBm
5.64651 GHz
Delta 2 [T1]
0.00 dB
45.00 MHz
Ref 31.5 dBm
Att 30 dB
Offset 11.5 dB
D1 1.33 dBm
D2 -24.67 dBm
31.5
20
10
0
-10
-20
-30
-40
-50
-60
-68.5
F1
F2
Center 5.67 GHz
8 MHz/
Span 80 MHz