FCC Radio Test Report

FCC ID: TE7X60

This report concerns: Original Grant

Project No.	:	1910C039
Equipment	:	AX3000 Whole Home Mesh Wi-Fi System
Brand Name	:	tp-link
Test Model	:	Deco X60
Series Model	:	N/A
Applicant	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Manufacturer	:	TP-Link Technologies Co., Ltd.
Address	:	Building 24(floors1,3,4,5) and 28(floors1-4) Central Science and Technology Park, Shennan Rd, Nanshan, Shenzhen, China
Date of Receipt	:	Oct. 11, 2019
Date of Test	:	Oct. 14, 2019 ~ Nov. 12, 2019
Issued Date	:	Dec. 19, 2019
Report Version	:	R00
Test Sample	:	Engineering Sample No.: DG2019101158 for conducted, DG2019101159 for radiated.
Standard(s)	:	FCC Part15, Subpart E(15.407) ANSI C63.10-2013 FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01 FCC KDB 662911 D01 Multiple Transmitter Output v02r01

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

Vincent. Tan

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Ethan Ma

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Certificate #5123.02

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

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The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.
Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Dec. 19, 2019

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart E(15.407)				
Standard(s) Section	**Test Item**	**Test Result**	**Judgement**	**Remark**
15.207 15.407(b)	AC Power Line Conducted Emissions	APPENDIX A	PASS	------
15.407(b) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	------
15.407(a) 15.407(e)	Spectrum Bandwidth	APPENDIX E	PASS	------
15.407(a)	Maximum Output Power	APPENDIX F	PASS	------
15.407(a)	Power Spectral Density	APPENDIX G	PASS	------
15.407(g)	Frequency Stability	APPENDIX H	PASS	------
15.203	Antenna Requirements	------	PASS	Note(4)
15.407(c)	Automatically Discontinue Transmission	------	PASS	Note(2)

Note:

(1) "N/A" denotes test is not applicable in this test report.

(2) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.

(3) For UNII-1 this device was functioned as a
☒ Access point device ☐ Client device

(4) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's Test Firm Registration Number for FCC: 357015
BTL's Designation Number for FCC: CN1240

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))
The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.60

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	V	3.79
		9kHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	4.88
		30MHz ~ 200MHz	H	4.14
		200MHz ~ 1,000MHz	V	4.62
		200MHz ~ 1,000MHz	H	4.80
		1GHz ~ 6GHz	-	4.58
		6GHz ~ 18GHz	-	5.18
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	25°C	53%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V/60Hz	□a□ghing Zhang
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V/60Hz	Laughing Zhang
Radiated Emissions-Above 1000 MHz	26°C	65%	AC 120V/60Hz	Laughing Zhang
Spectrum Bandwidth	24°C	60%	AC 120V/60Hz	Jonas Chen
Maximum Output Power	24°C	60%	AC 120V/60Hz	Jonas Chen
Power Spectral Density	24°C	60%	AC 120V/60Hz	Jonas Chen
Frequency Stability	24°C	60%	AC 120V/60Hz	Jonas Chen
Frequency Stability	Normal & Extreme	60%	Normal & Extreme	Jonas Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3000 Whole Home Mesh Wi-Fi System
Brand Name	tp-link
Test Model	Deco X60
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC Voltage supplied from AC/DC adapter. Model: T120200-2B4
Power Rating	I/P:100-240V~ 50/60Hz, 0.8A O/P:12V⎓2A
Operation Frequency (Bands)	5150 MHz~5250 MHz
Modulation Type	IEEE 802.11a/n/ac: OFDM IEEE 802.11ax: OFDMA
Bit Rate of Transmitter	Up to 2402 Mbps
Maximum Conducted Output Power	IEEE 802.11a: 26.48 dBm (0.4446 W) IEEE 802.11n (HT20): 26.85 dBm (0.4842 W) IEEE 802.11n (HT40): 29.11 dBm (0.8147 W) IEEE 802.11ac (VHT20): 26.86 dBm (0.4853 W) IEEE 802.11ac (VHT40): 28.76 dBm (0.7516 W) IEEE 802.11ac (VHT80): 24.97 dBm (0.3141 W) IEEE 802.11ax (HEW20): 27.91 dBm (0.6180 W) IEEE 802.11ax (HEW40): 28.43 dBm (0.6966 W) IEEE 802.11ax (HEW80): 24.72 dBm (0.2965 W)

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

IEEE 802.11a IEEE 802.11n (HT20) IEEE 802.11ac (VHT20) IEEE 802.11ax (HEW20):		IEEE 802.11n (HT40) IEEE 802.11ac (VHT40) IEEE 802.11ax (HEW40)		IEEE 802.11ac (VHT80) IEEE 802.11ax (HEW80)	
UNII-1		UNII-1		UNII-1	
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	38	5190	42	5210
40	5200	46	5230		
44	5220				
48	5240				

3. Antenna Specification:

Ant.	Brand	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-LINK	3101502754	Internal	I-PEX	0.76
2	TP-LINK	3101502755	Internal	I-PEX	0.80
3	TP-LINK	3101502756	Internal	I-PEX	0.90
4	TP-LINK	3101502757	Internal	I-PEX	0.97

Note: This EUT supports CDD, and antenna gains are not equal,
so Directional gain= $10\log[(10^{G1/20}+10^{G2/20}+...10^{GN/20})^2/N]$dBi,
that is Directional gain=$10\log[(10^{0.76/20}+10^{0.80/20}+10^{0.90/20}+10^{0.97/20})^2/4]$dBi =6.88.
So, the output power limit is 30-6.88+6=29.12, the power spectral density limit is 17-6.88+6=16.12.

4. Table for Antenna Configuration:

Operating Mode / TX Mode	4TX
IEEE 802.11a	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n (HT20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11n (HT40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac (VHT20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac (VHT40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ac (VHT80)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax (HEW20)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax (HEW40)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)
IEEE 802.11ax (HEW80)	V (Ant. 1 + Ant. 2 + Ant. 3 + Ant. 4)

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48
Mode 3	TX N (HT40) Mode / CH38, CH46
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48
Mode 5	TX AC (VHT40) Mode / CH38, CH46
Mode 6	TX AC (VHT80) Mode / CH42
Mode 7	TX AX (HEW20) Mode / CH36, CH40, CH48
Mode 8	TX AX (HEW40) Mode / CH38, CH46
Mode 9	TX AX (HEW80) Mode / CH42
Mode 10	TX N(HT40) Mode / CH46

Following mode(s) as (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 10	TX N(HT40) Mode / CH46

Radiated emissions test – Below 1G	
Final Test Mode	Description
Mode 10	TX N(HT40) Mode / CH46

Radiated emissions test – Above 1G	
Final Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48
Mode 3	TX N (HT40) Mode / CH38, CH46
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48
Mode 5	TX AC (VHT40) Mode / CH38, CH46
Mode 6	TX AC (VHT80) Mode / CH42
Mode 7	TX AX (HEW20) Mode / CH36, CH40, CH48
Mode 8	TX AX (HEW40) Mode / CH38, CH46
Mode 9	TX AX (HEW80) Mode / CH42

Conducted test	
Test Mode	Description
Mode 1	TX A Mode / CH36, CH40, CH48
Mode 2	TX N (HT20) Mode / CH36, CH40, CH48
Mode 3	TX N (HT40) Mode / CH38, CH46
Mode 4	TX AC (VHT20) Mode / CH36, CH40, CH48
Mode 5	TX AC (VHT40) Mode / CH38, CH46
Mode 6	TX AC (VHT80) Mode / CH42
Mode 7	TX AX (HEW20) Mode / CH36, CH40, CH48
Mode 8	TX AX (HEW40) Mode / CH38, CH46
Mode 9	TX AX (HEW80) Mode / CH42

Note：

(1) For radiated emission below 1 GHz test, the IEEE 802.11n40 is found to be the worst case and recorded.

(2) For radiated emission above 1 GHz test, 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.

(3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.

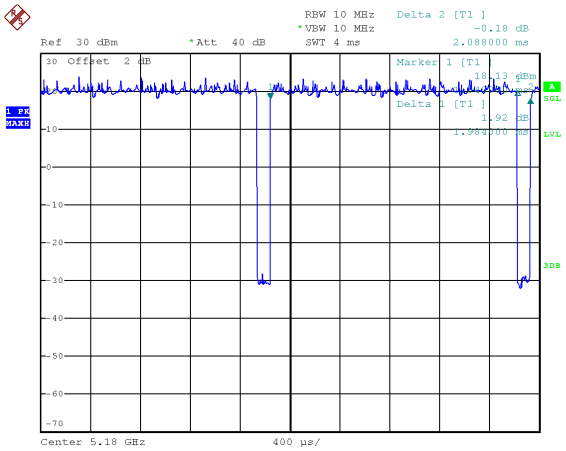
2.3 PARAMETERS OF TEST SOFTWARE

Test Software	QPST Configuration		
Test Frequency (MHz)	5180	5200	5240
IEEE 802.11a	19.5	19.5	19.5
IEEE 802.11n (HT20)	21	21	21
IEEE 802.11ac (VHT20)	21	21	21
IEEE 802.11ax (HEW20)	22	21.5	21
Test Frequency (MHz)	5190	5230	
IEEE 802.11n (HT40)	19	22	
IEEE 802.11ac (VHT40)	18	22	
IEEE 802.11ax (HEW40)	18	22	
Test Frequency (MHz)	5210		
IEEE 802.11ac (VHT80)	18.5		
IEEE 802.11ax (HEW80)	18.5		

2.4 DUTY CYCLE

If duty cycle is ≥ 98 %, duty factor is not required.
If duty cycle is < 98 %, duty factor shall be considered.
The output power = measured power + duty factor.

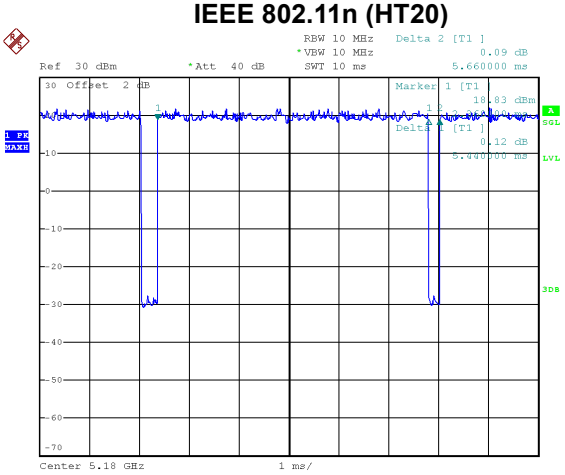
IEEE 802.11a



Date: 18.OCT.2019 14:07:39

Duty cycle = 1.984 ms / 2.088 ms = 95.02%
Duty Factor = 10 * log(1 / Duty cycle) = 0.22

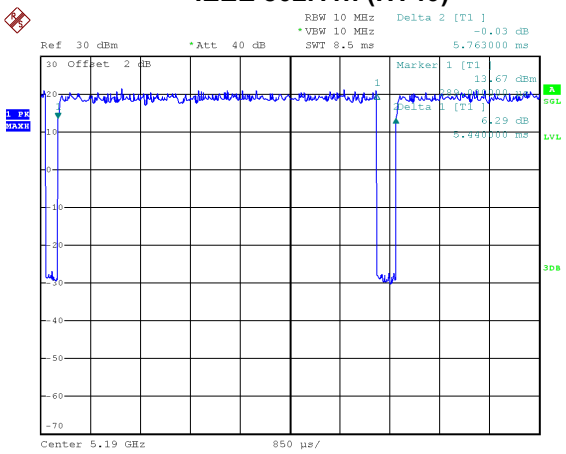
IEEE 802.11n (HT20)



Date: 18.OCT.2019 14:08:41

Duty cycle = 5.440 ms / 5.660 ms = 96.11%
Duty Factor = 10 * log(1 / Duty cycle) = 0.17

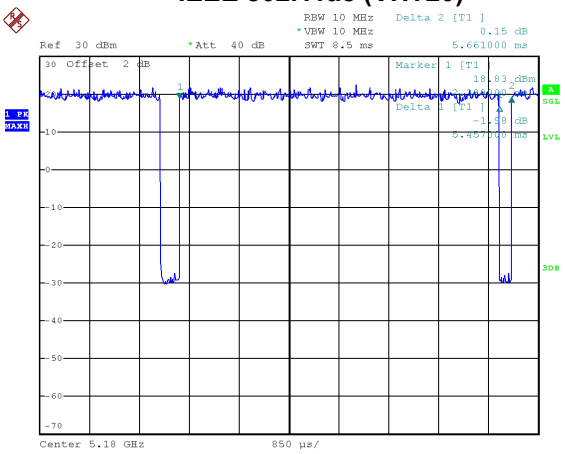
IEEE 802.11n (HT40)



Date: 18.OCT.2019 14:09:52

Duty cycle = 5.440 ms / 5.763 ms = 94.40%
Duty Factor = 10 * log(1 / Duty cycle) = 0.25

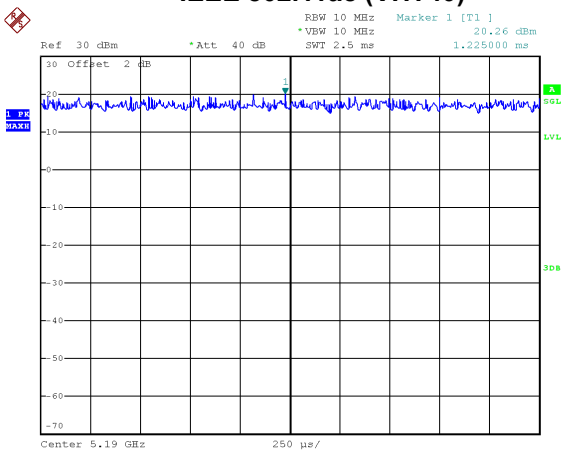
IEEE 802.11ac (VHT20)



Date: 18.OCT.2019 14:09:21

Duty cycle = 5.457 ms / 5.661 ms = 96.40%
Duty Factor = 10 * log(1 / Duty cycle) = 0.16

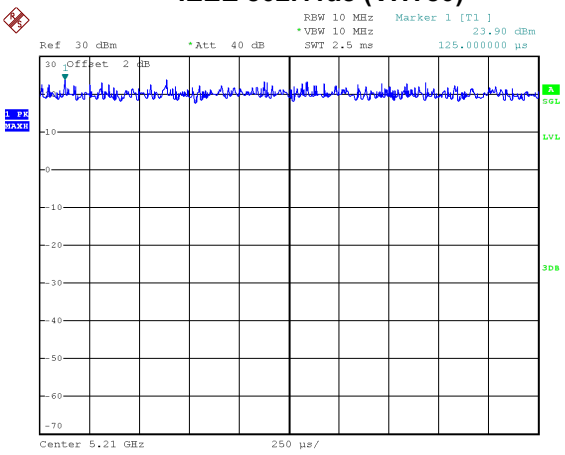
IEEE 802.11ac (VHT40)



Date: 18.OCT.2019 14:11:08

Duty cycle = 2.500 ms / 2.500 ms = 100%
Duty Factor = 10 * log(1 / Duty cycle) = 0.00

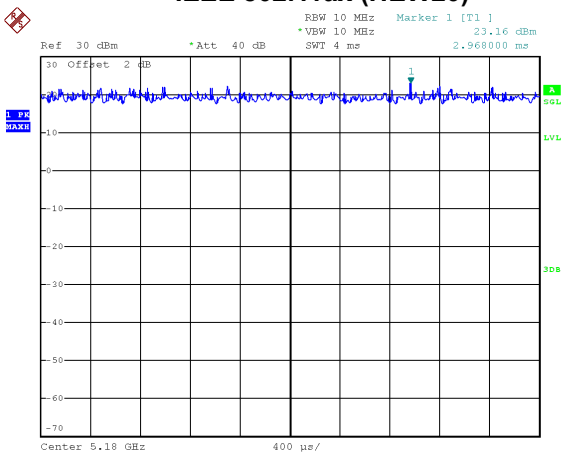
IEEE 802.11ac (VHT80)



Date: 18.OCT.2019 14:11:47

Duty cycle = 2.500 ms / 2.500 ms = 100%
Duty Factor = 10 * log(1 / Duty cycle) = 0.00

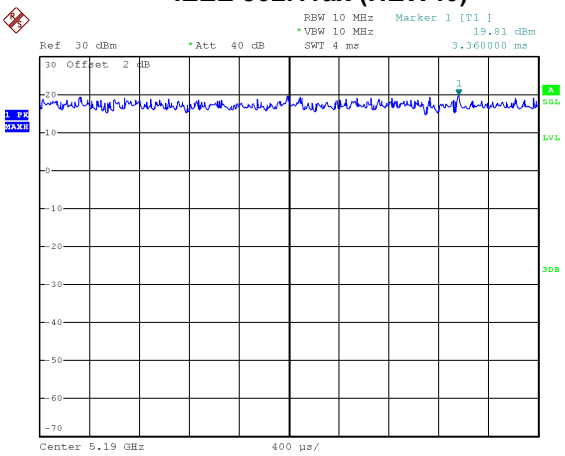
IEEE 802.11ax (HEW20)



Date: 18.OCT.2019 14:13:31

Duty cycle = 4.000 ms / 4.000 ms = 100%
Duty Factor = 10 * log(1 / Duty cycle) = 0.00

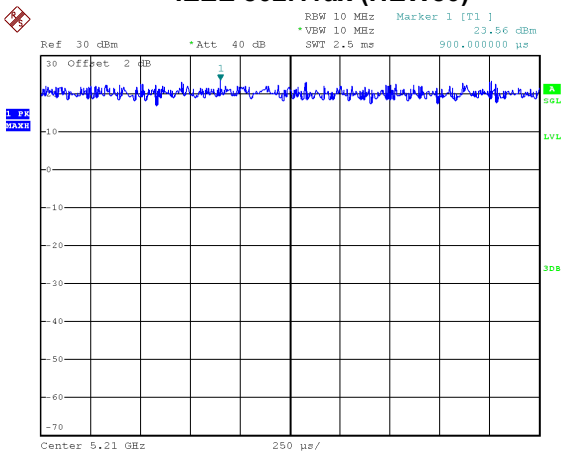
IEEE 802.11ax (HEW40)



Date: 18.OCT.2019 14:14:19

Duty cycle = 4.000 ms / 4.000 ms = 100%
Duty Factor = 10 * log(1 / Duty cycle) = 0.00

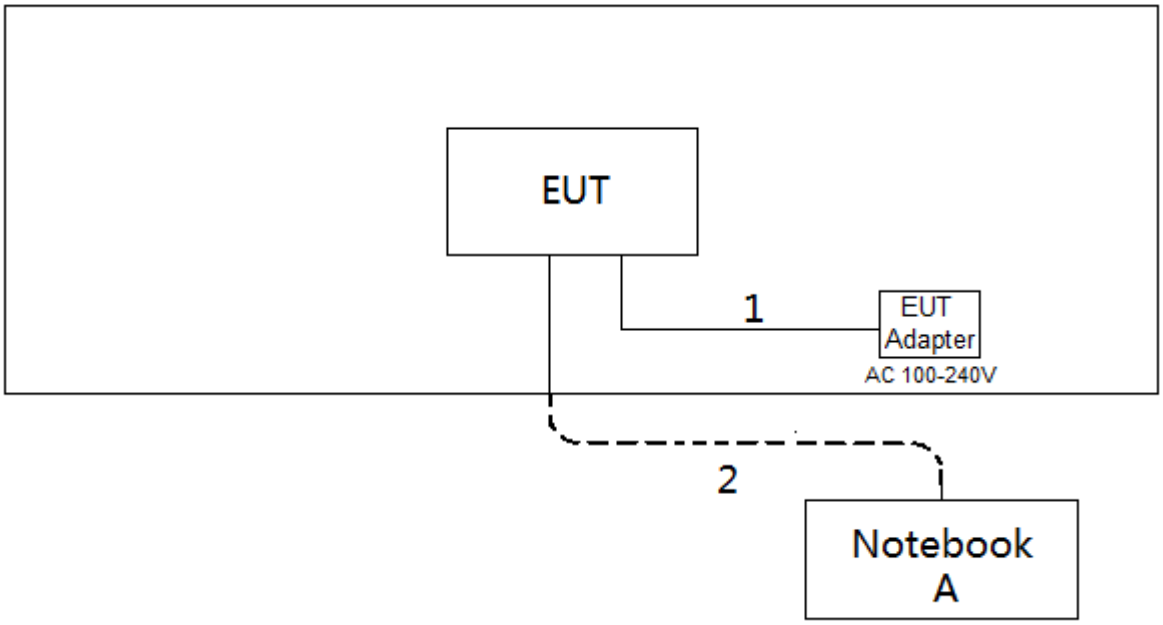
IEEE 802.11ax (HEW80)



Duty cycle = 2.500 ms / 2.500 ms = 100%
Duty Factor = 10 * log(1 / Duty cycle) = 0.00

NOTE:
For IEEE 802.11a, IEEE 802.11n (HT20), IEEE 802.11ac (VHT20) and IEEE 802.11ax (HEW20):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz (Duty cycle < 98%).
For IEEE 802.11n (HT40), IEEE 802.11ac (VHT40) and IEEE 802.11ax (HEW40):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz (Duty cycle < 98%).
For IEEE 802.11ac (VHT80) and IEEE 802.11ax (HEW80):
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 kHz (Duty cycle < 98%).

2.5 BLOCK DIAGRAM SHOWING THEW CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

NOTE:
(1) The tighter limit applies at the band edges.
(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameter	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

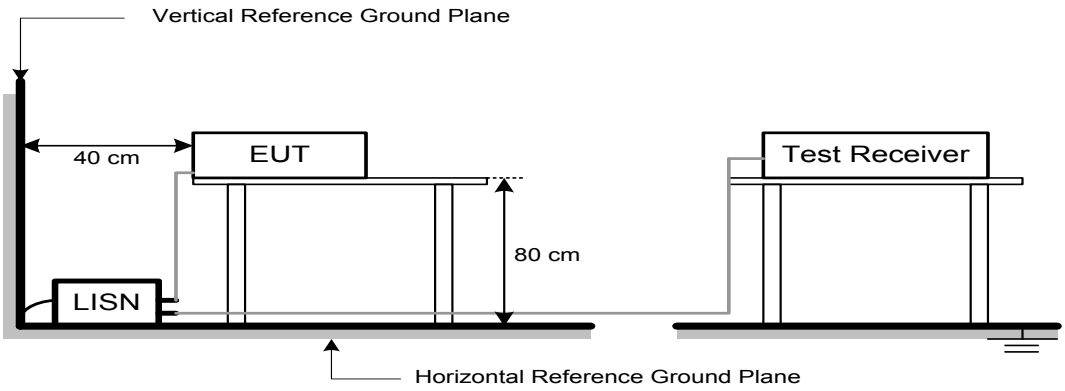
3.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.3 DEVIATION FROM TEST STANDARD

No deviation

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.
The EUT was programmed to be in continuously transmitting/TX mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS TEST

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSIONS MEASUREMENT (9 kHz to 1000 MHz)

Frequency (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

LIMITS OF UNWANTED EMISSION OUT OF THEW RESTRICTED BANDS

Frequency (MHz)	EIRP Limit (dBm/MHz)	Equivalent Field Strength at 3m (dBμV/m)
5150-5250	-27	68.3

NOTE:
(1) 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)

4.2 TEST PROCEDURE

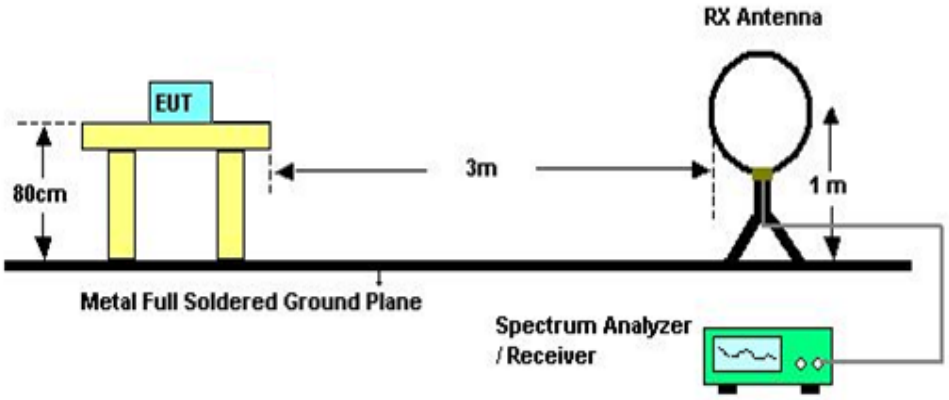
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1 GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1 GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

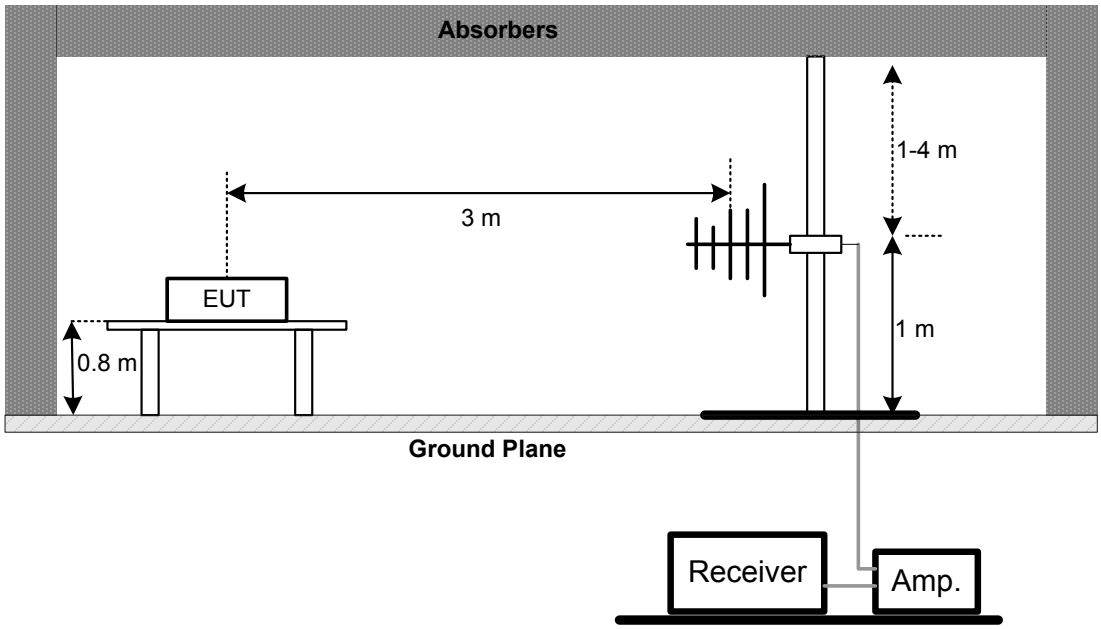
No deviation

4.4 TEST SETUP

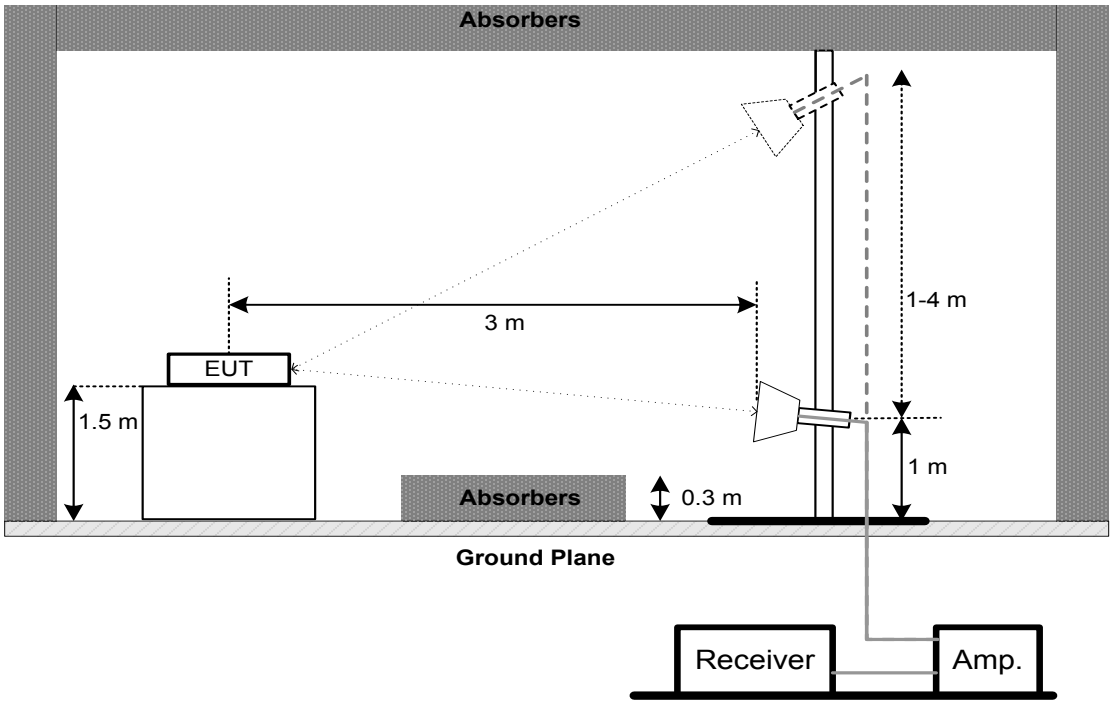
9 kHz to 30 MHz



30 MHz to 1 GHz



Above 1 GHz



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 3.5 unless otherwise a special operating condition is specified in the follows during the testing.

4.6 TEST RESULTS - 9 KHZ to 30 MHZ

Please refer to the APPENDIX B

Remark:

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULTS - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULTS - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

(1) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a) 15.407(e)	26 dB Bandwidth	-	5150-5250

5.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below

b. Spectrum Setting:
For UNII-1:

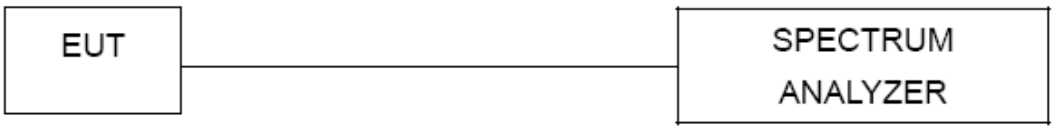
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> 26 dB Bandwidth
RBW	300 kHz (Bandwidth 20 MHz) 1 MHz (Bandwidth 40 MHz and 80 MHz)
VBW	1 MHz (Bandwidth 20 MHz) 3 MHz (Bandwidth 40 MHz and 80 MHz)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

c. Measured the spectrum width with power higher than 26 dB below carrier

5.3 TEST PROCEDURE

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER TEST

6.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	AP device: 1 Watt (30 dBm) Client device: 250 mW (24 dBm)	5150-5250

Note:

a. For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

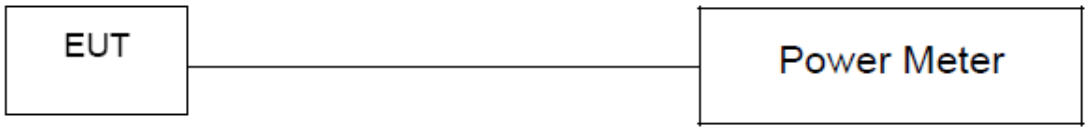
6.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
b. Test test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. POWER SPECTRAL DENSITY TEST

7.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	AP device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250

7.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	≥ 3 MHz.
Detector	RMS
Trace average	100 trace
Sweep Time	Auto

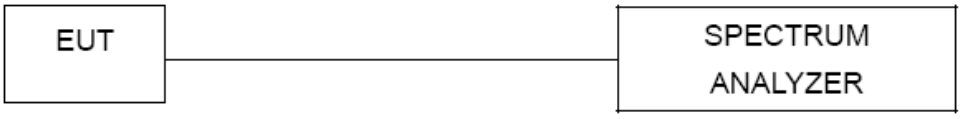
Note:

The value measured with RBW=1 MHz is to be added with 10log(500 kHz/1 MHz) which is -3 dB. For example, if the measured value is +10dBm using RBW=1 MHz (that is +10 dBm/MHz), then the converted value will be +7dBm/500kHz.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. FREQUENCY STABILITY MEASUREMENT

8.1 LIMIT

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(g)	Frequency Stability	An emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.	5150-5250

8.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.

b. Spectrum Setting:

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RBW	10 kHz
VBW	10 kHz
Sweep Time	Auto

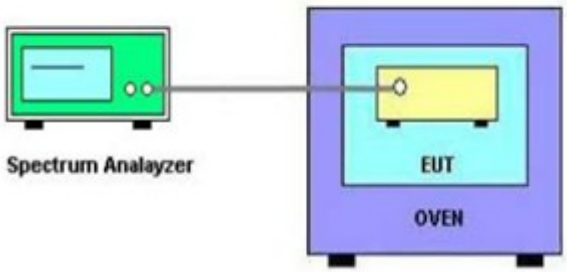
c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

d. User manual temperature is 0°C~40°C.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 10, 2020
2	LISN	EMCO	3816/2	52765	Mar. 10, 2020
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	May. 19, 2020
4	50Ω Terminator	SHX	TF5-3	15041305	Mar. 10, 2020
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 12, 2020

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EM	EM-6876-1	230	Jan. 15, 2020
2	Cable	N/A	RG 213/U	C-102	May 31, 2020
3	EMI Test Receiver	R&S	ESCI	100895	Mar. 10, 2020
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 09, 2020
2*	Amplifier	HP	8447D	2944A09673	Aug. 11, 2021
3	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 24, 2020
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	Mar. 09, 2020
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 23, 2020
3	Amplifier	Agilent	8449B	3008A02333	Mar. 10, 2020
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 10, 2020
5	Receiver	Agilent	N9038A	MY52130039	Aug. 03, 2020
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	mitron	B10-01-01-12M	18072744	Jun. 29, 2020
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth & Conducted Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020

Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EXA Spectrum Analyzer	Agilent	N9010A	MY50520044	Mar. 10, 2020

Frequency Stability					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Aug. 03, 2020
2	Precision Oven Tester	Bell	BTH-50C	20170306001	Mar. 10, 2020

Remark: “N/A” denotes no model name, serial no. or calibration specified.

“*” calibration period of equipment list is three year.

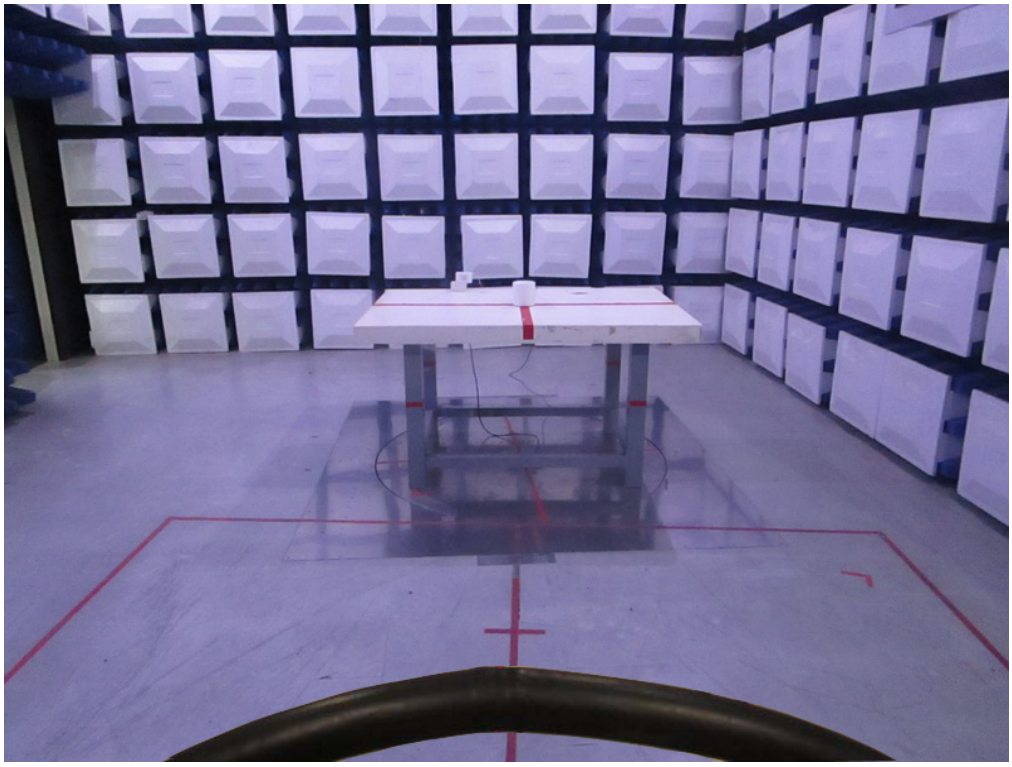
Except * item, all calibration period of equipment list is one year.

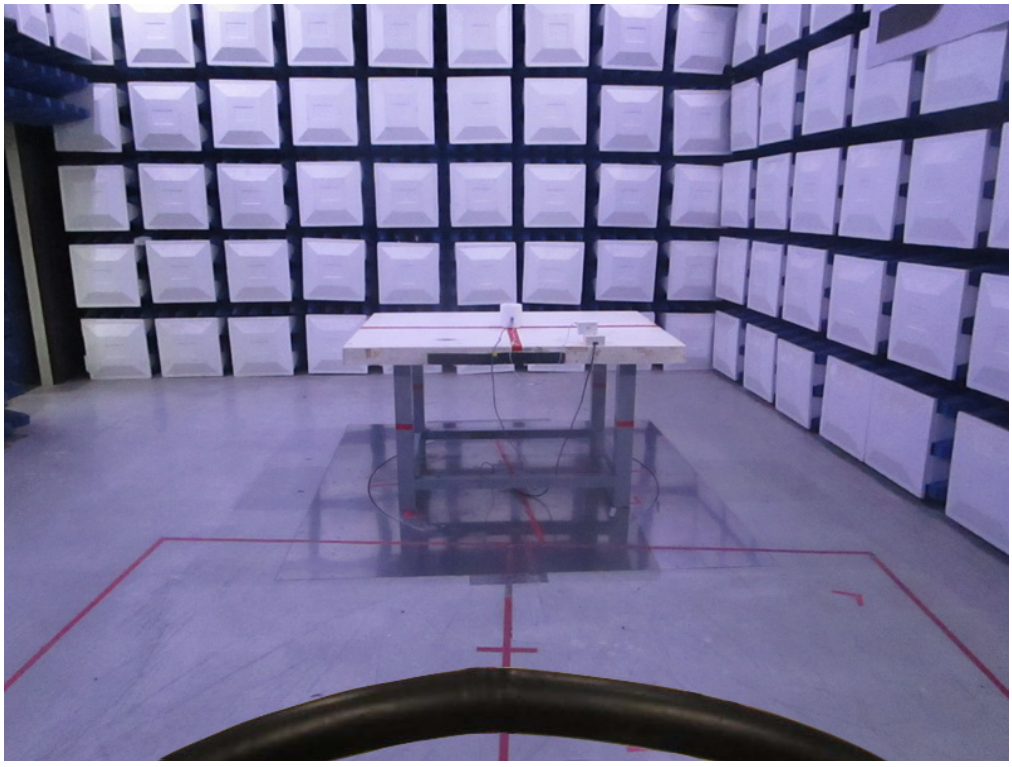
10. EUT TEST PHOTOS

AC Power Line Conducted Emissions Test Photos

Radiated Emissions Test Photos

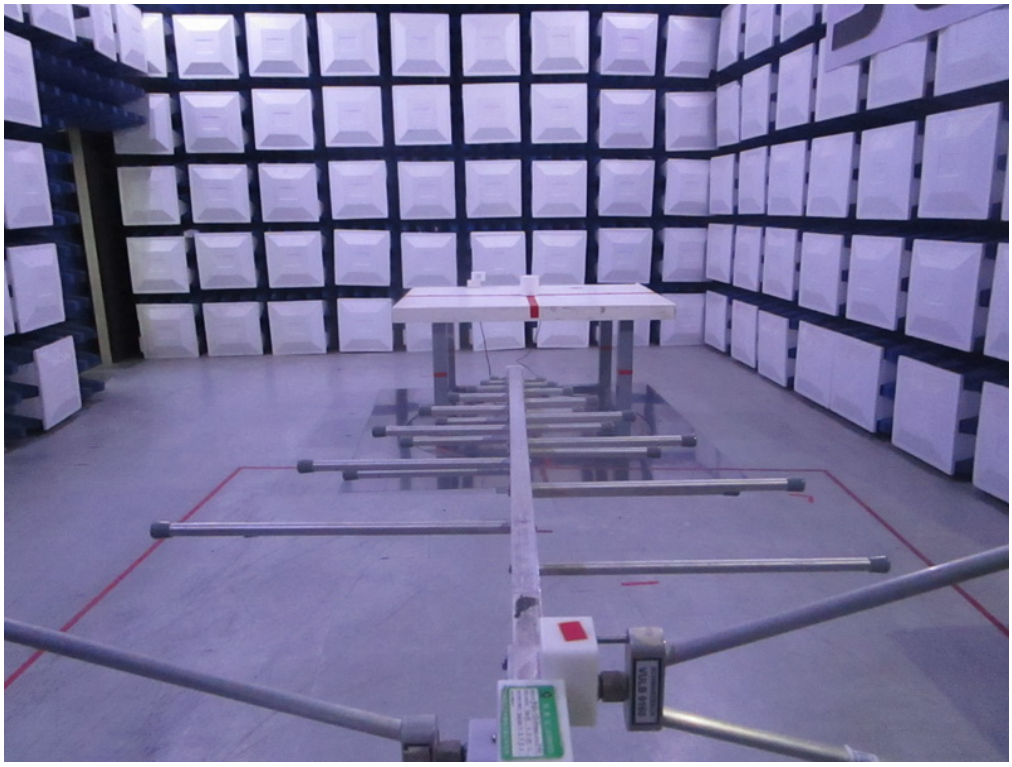
9 kHz to 30 MHz

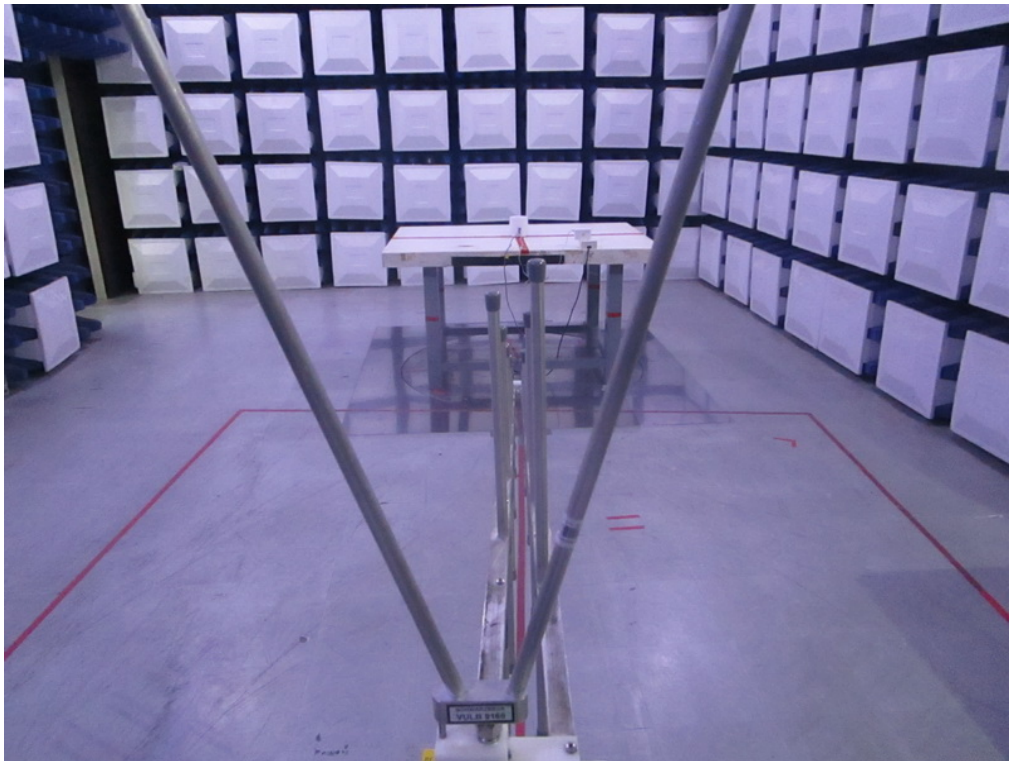




Radiated Emissions Test Photos

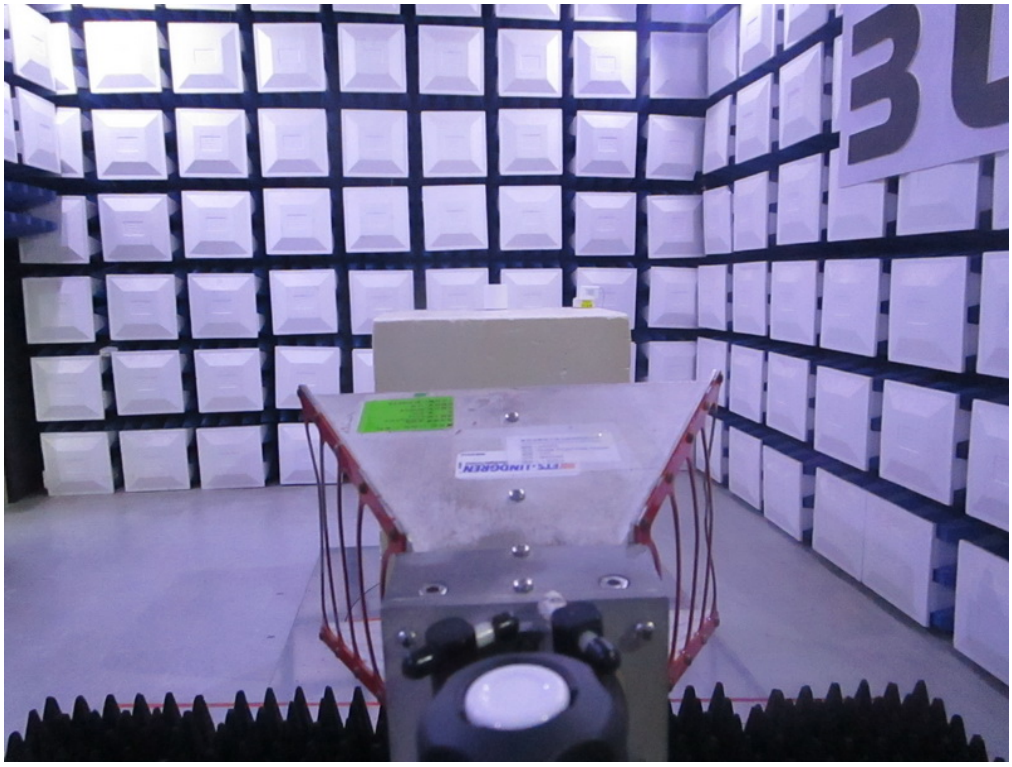
30 MHz to 1 GHz

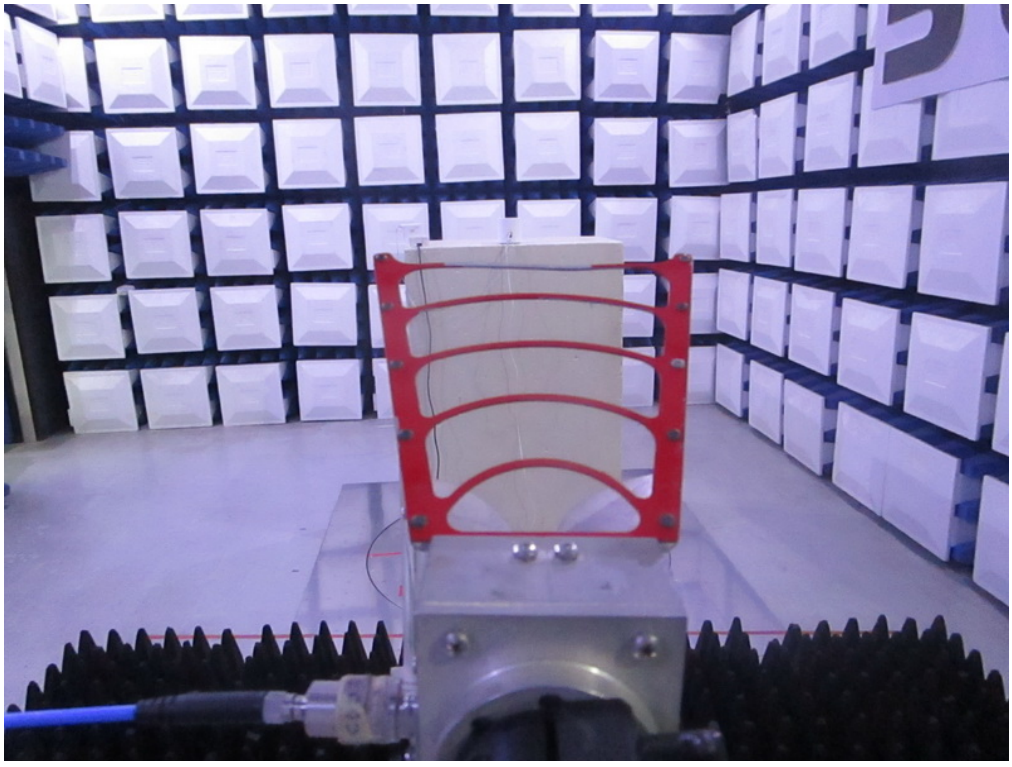




Radiated Emissions Test Photos

Above 1 GHz

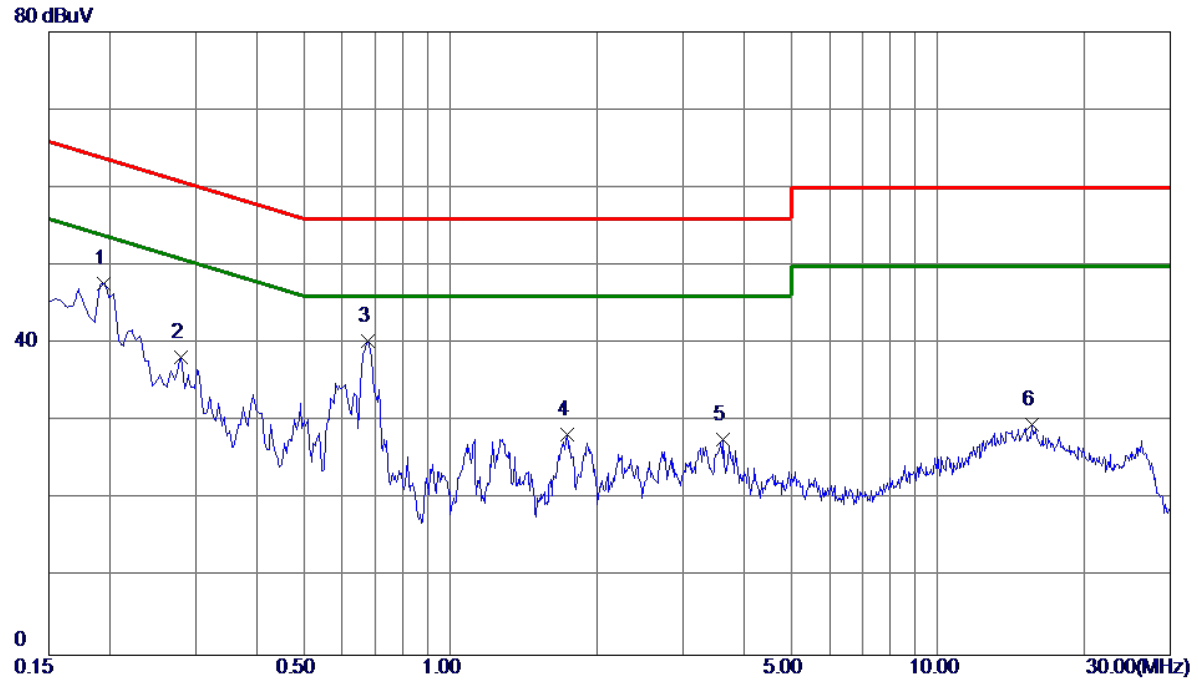




APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode:	TX N40 Mode Channel 46

Line

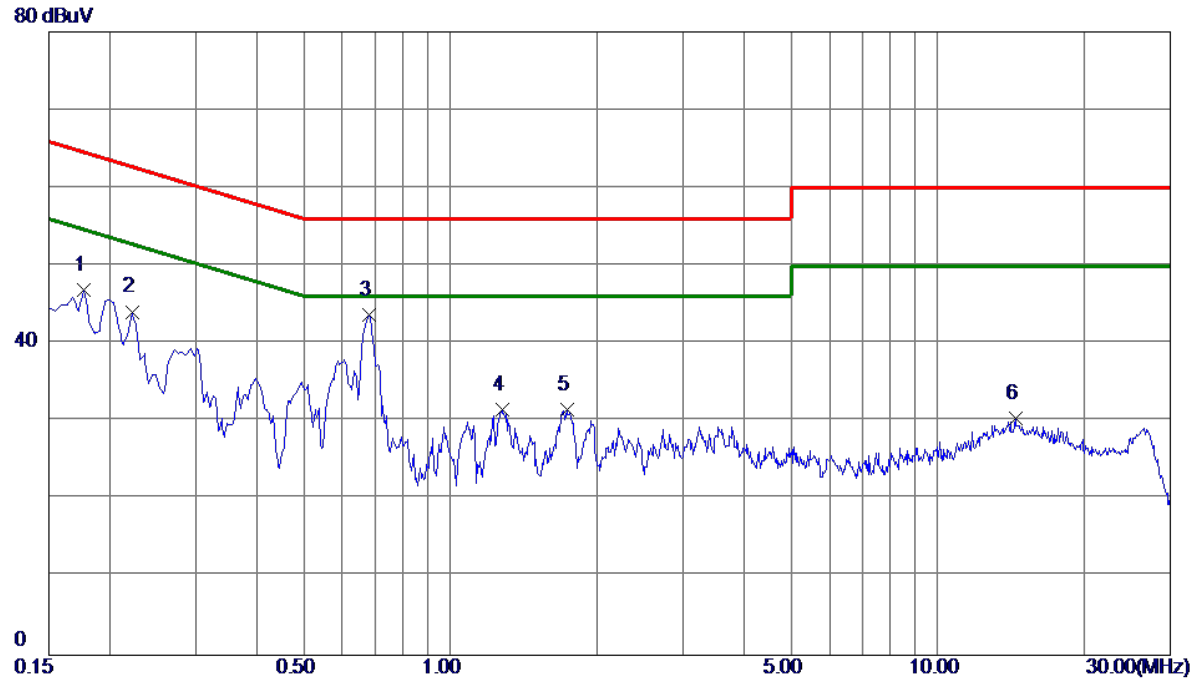


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1949	37.95	9.81	47.76	63.83	-16.07	Peak	
2	0.2805	28.38	9.84	38.22	60.80	-22.58	Peak	
3 *	0.6765	30.42	9.90	40.32	56.00	-15.68	Peak	
4	1.7340	18.36	9.98	28.34	56.00	-27.66	Peak	
5	3.6285	17.54	10.10	27.64	56.00	-28.36	Peak	
6	15.5850	18.81	10.79	29.60	60.00	-30.40	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) The test result has included the cable loss.

Test Mode:	TX N40 Mode Channel 46

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1770	37.01	9.91	46.92	64.63	-17.71	Peak	
2	0.2220	34.17	9.91	44.08	62.74	-18.66	Peak	
3 *	0.6809	33.67	10.06	43.73	56.00	-12.27	Peak	
4	1.2750	21.33	10.14	31.47	56.00	-24.53	Peak	
5	1.7340	21.42	10.17	31.59	56.00	-24.41	Peak	
6	14.4285	19.39	11.04	30.43	60.00	-29.57	Peak	

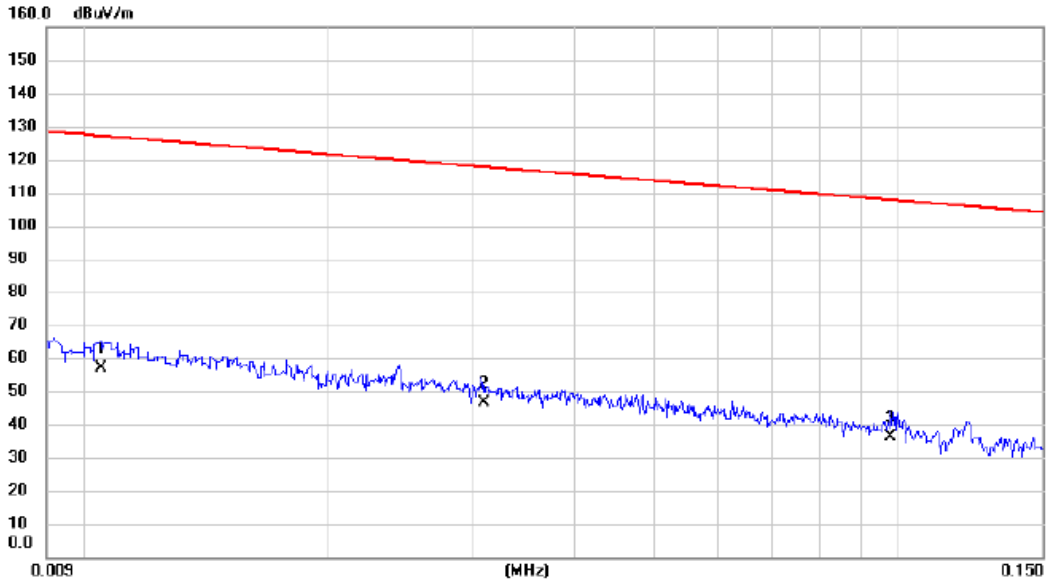
Note:The test result has included the cable loss.

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.
(3) The test result has included the cable loss.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode:	TX N40 Mode Channel 46

Ant 0°

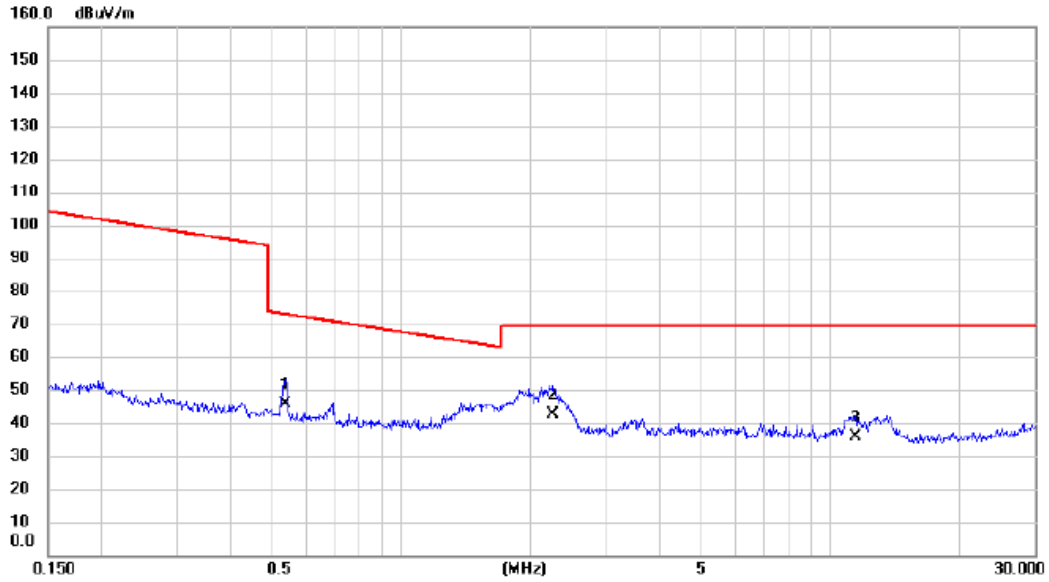


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0105	40.25	16.67	56.92	127.18	-70.26	AVG	
2		0.0310	32.65	13.86	46.51	117.78	-71.27	AVG	
3		0.0978	22.65	13.54	36.19	107.80	-71.61	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX N40 Mode Channel 46

Ant 0°

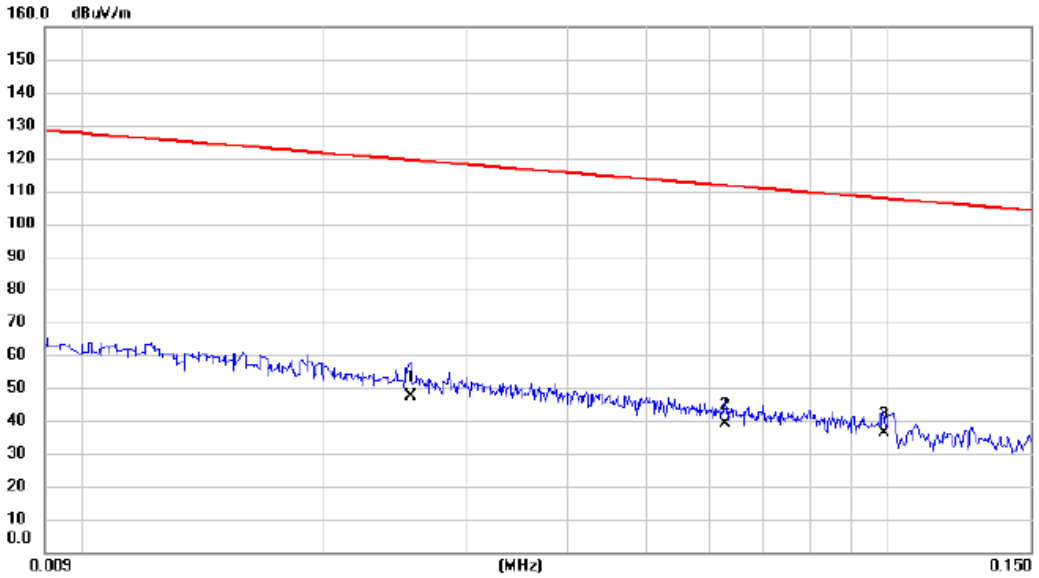


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.5350	32.65	12.99	45.64	73.04	-27.40	QP	
2	*	2.2486	30.95	11.67	42.62	69.54	-26.92	QP	
3		11.4376	24.35	11.61	35.96	69.54	-33.58	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX N40 Mode Channel 46

Ant 90°

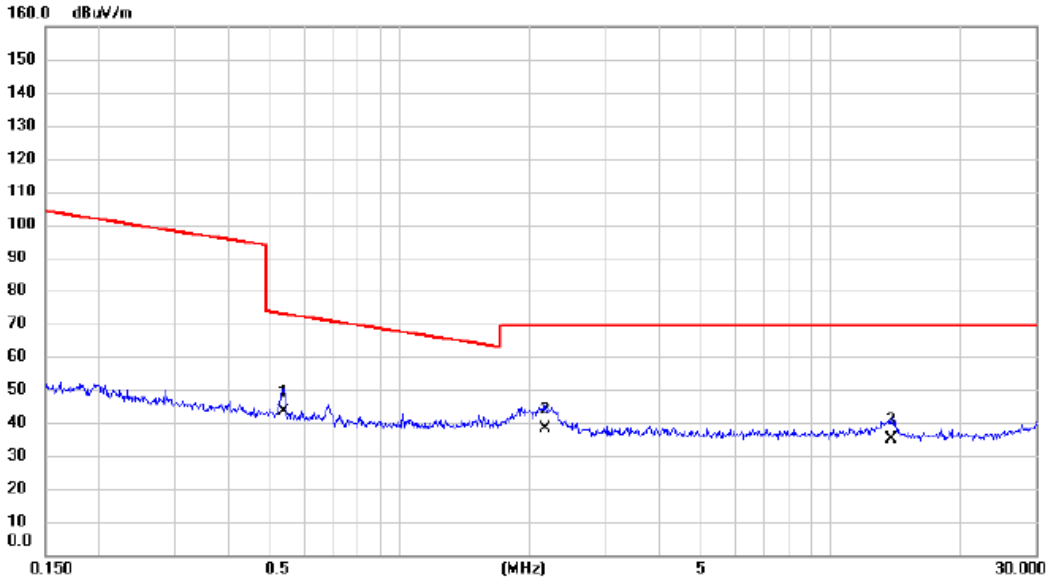


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0256	33.65	13.84	47.49	119.44	-71.95	AVG	
2		0.0627	25.34	13.73	39.07	111.66	-72.59	AVG	
3	*	0.0986	22.65	13.54	36.19	107.73	-71.54	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX N40 Mode Channel 46

Ant 90°



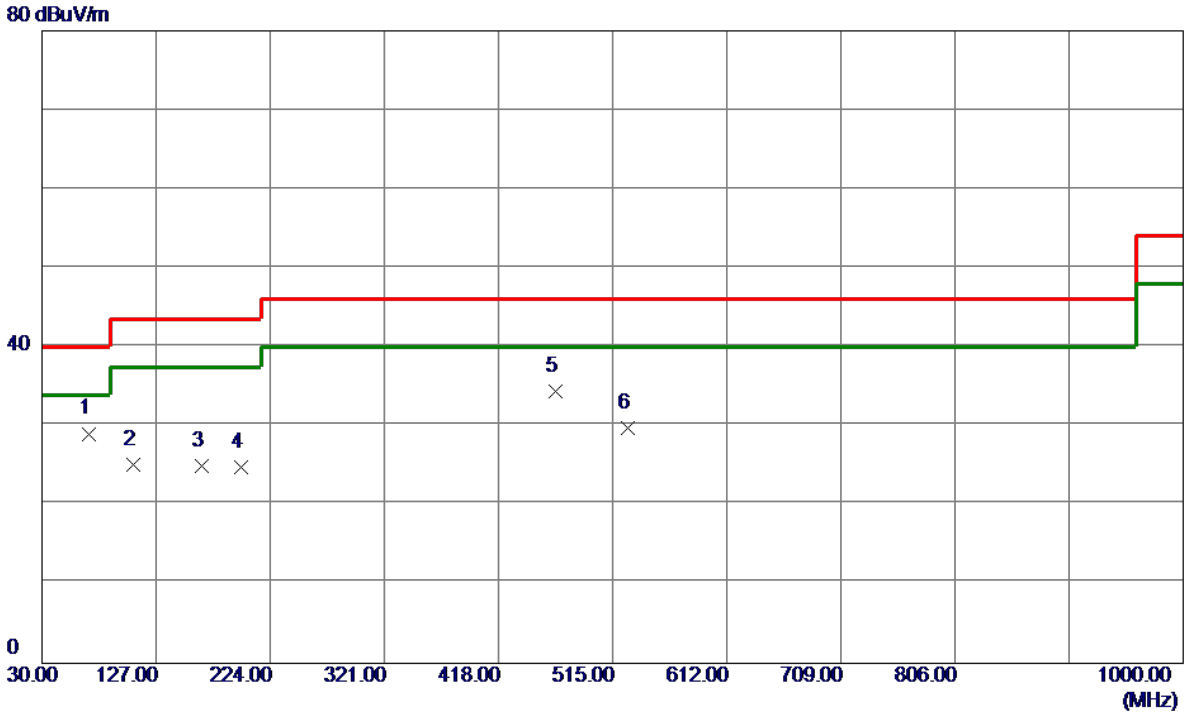
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.5350	30.53	12.99	43.52	73.04	-29.52	QP	
2		2.1668	26.54	11.72	38.26	69.54	-31.28	QP	
3		13.8411	23.48	11.58	35.06	69.54	-34.48	QP	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1 GHZ

Test Mode:	TX N40 Mode Channel 46

Vertical

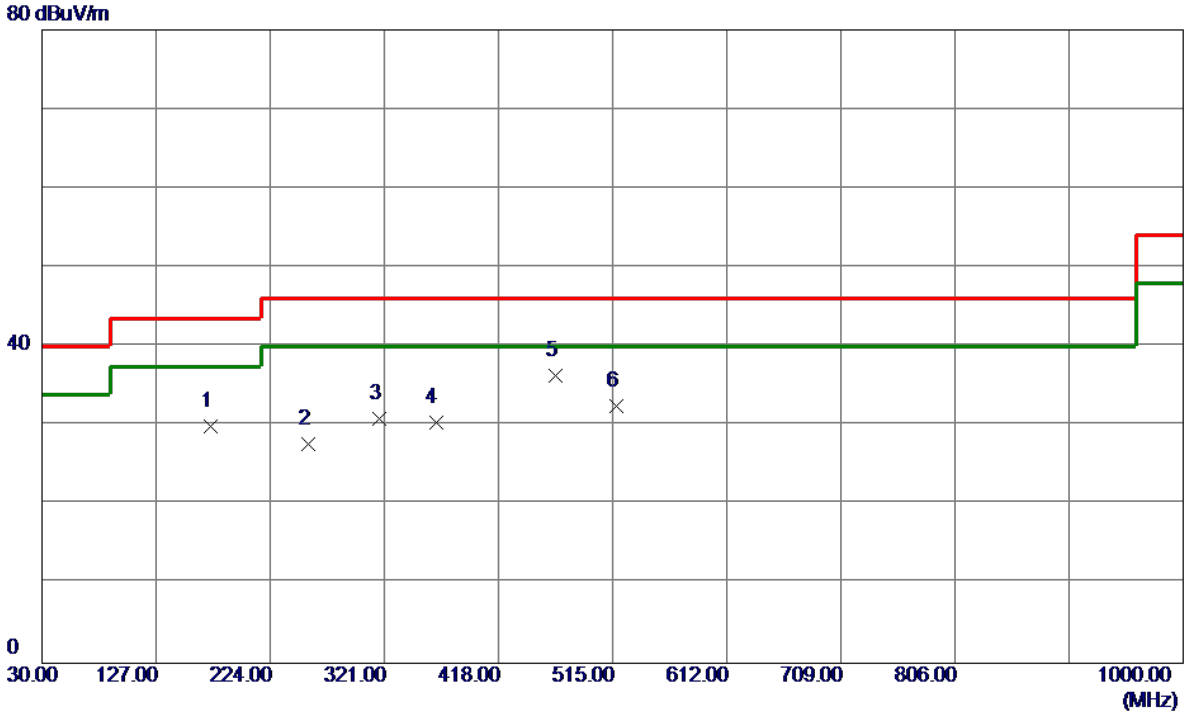


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	69.7699	45.23	-16.19	29.04	40.00	-10.96	Peak	
2	107.6000	39.82	-14.74	25.08	43.50	-18.42	Peak	
3	165.8000	36.81	-11.89	24.92	43.50	-18.58	Peak	
4	198.7800	39.90	-15.15	24.75	43.50	-18.75	Peak	
5	466.5000	42.41	-8.02	34.39	46.00	-11.61	Peak	
6	528.0949	37.26	-7.49	29.77	46.00	-16.23	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Test Mode:	TX N40 Mode Channel 46

Horizontal



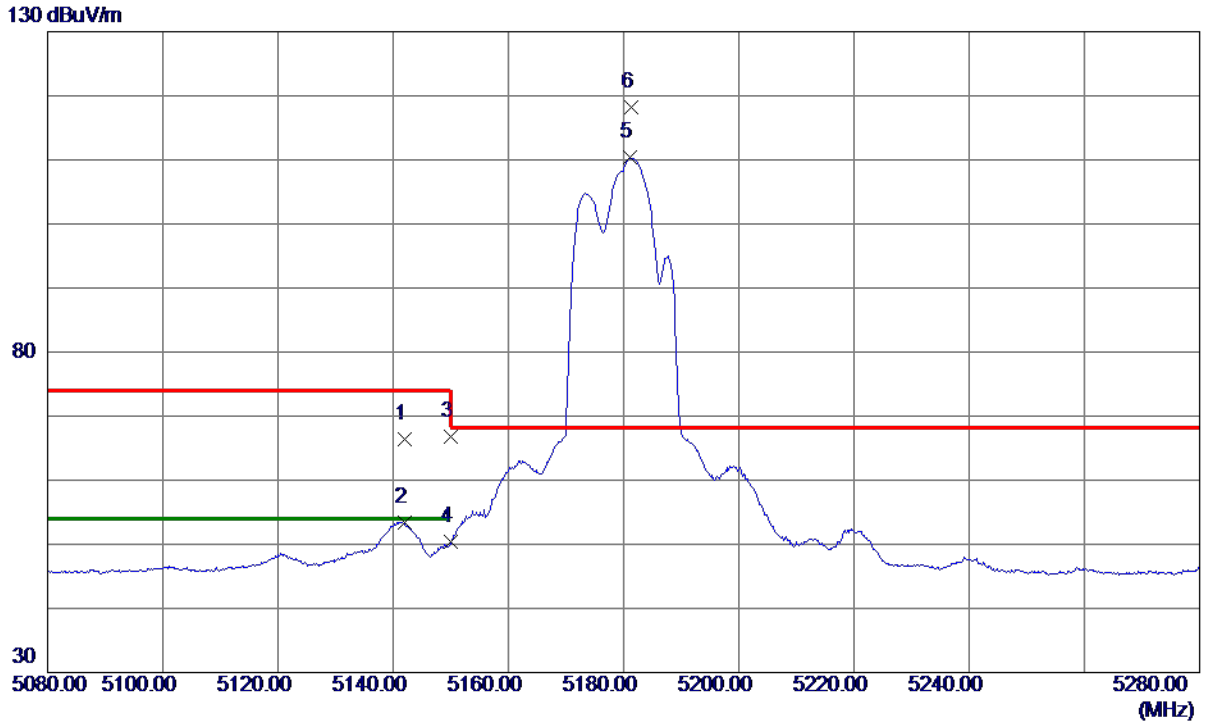
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	173.5600	42.73	-12.74	29.99	43.50	-13.51	Peak	
2	256.0100	40.87	-13.15	27.72	46.00	-18.28	Peak	
3	316.6350	42.11	-11.28	30.83	46.00	-15.17	Peak	
4	364.6500	40.73	-10.39	30.34	46.00	-15.66	Peak	
5 *	466.5000	44.27	-8.02	36.25	46.00	-9.75	Peak	
6	518.3950	40.00	-7.58	32.42	46.00	-13.58	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Orthogonal Axis	X
Test Mode	TX A Mode 5180 MHz

Vertical

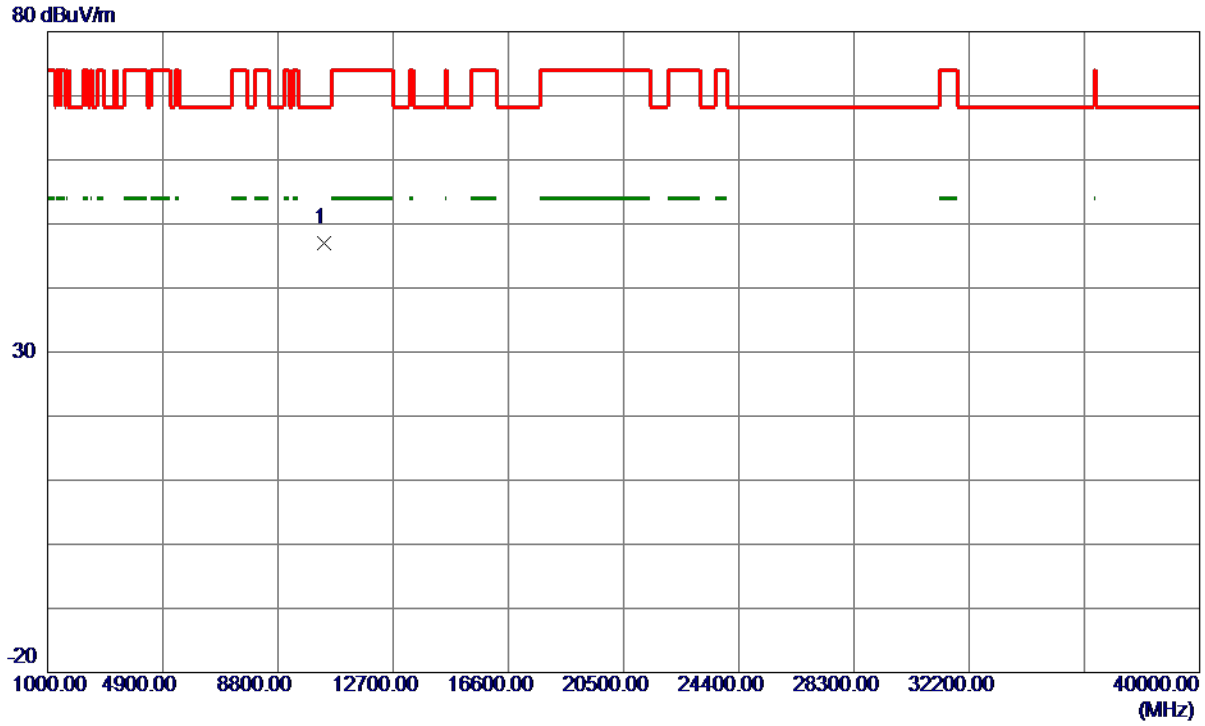


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5141.9000	51.37	15.01	66.38	74.00	-7.62	Peak	
2	5141.9000	38.47	15.01	53.48	54.00	-0.52	AVG	
3	5150.0000	51.79	15.02	66.81	74.00	-7.19	Peak	
4	5150.0000	35.44	15.02	50.46	54.00	-3.54	AVG	
5	5181.1000	95.30	15.04	110.34	999.00	-888.66	AVG	No Limit
6 *	5181.4000	103.12	15.04	118.16	68.30	49.86	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5180 MHz

Vertical

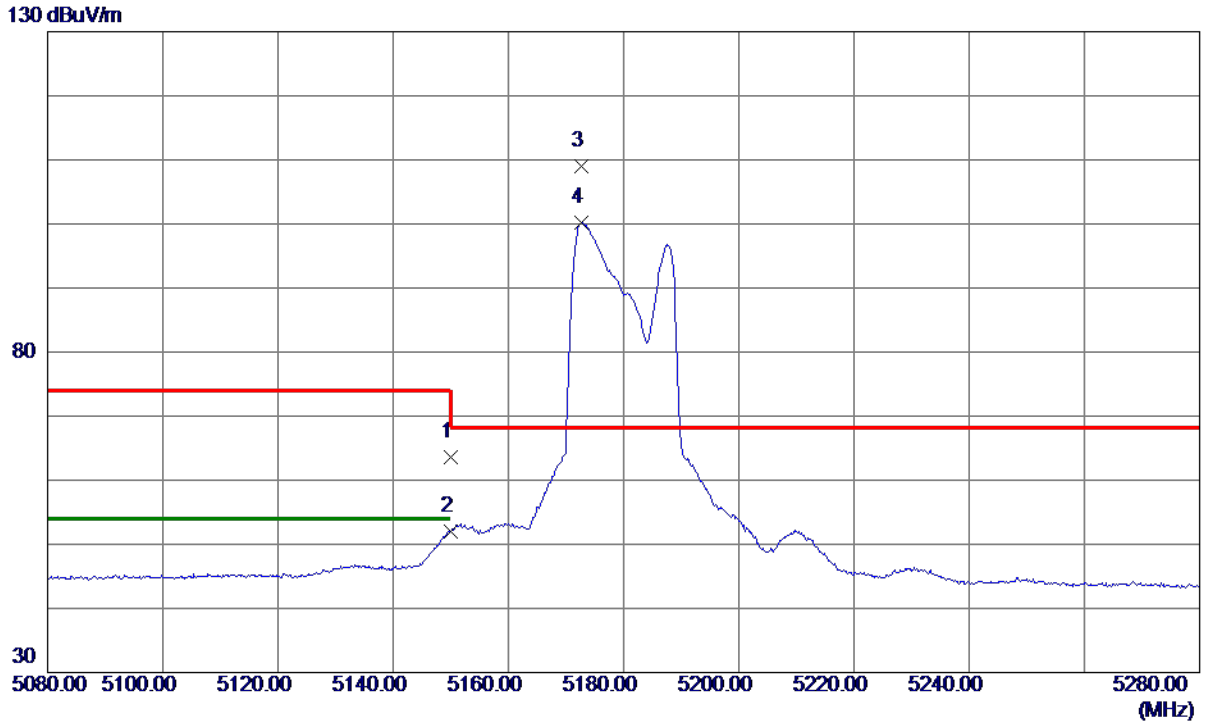


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.8890	38.29	8.77	47.06	68.30	-21.24	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5180 MHz

Horizontal

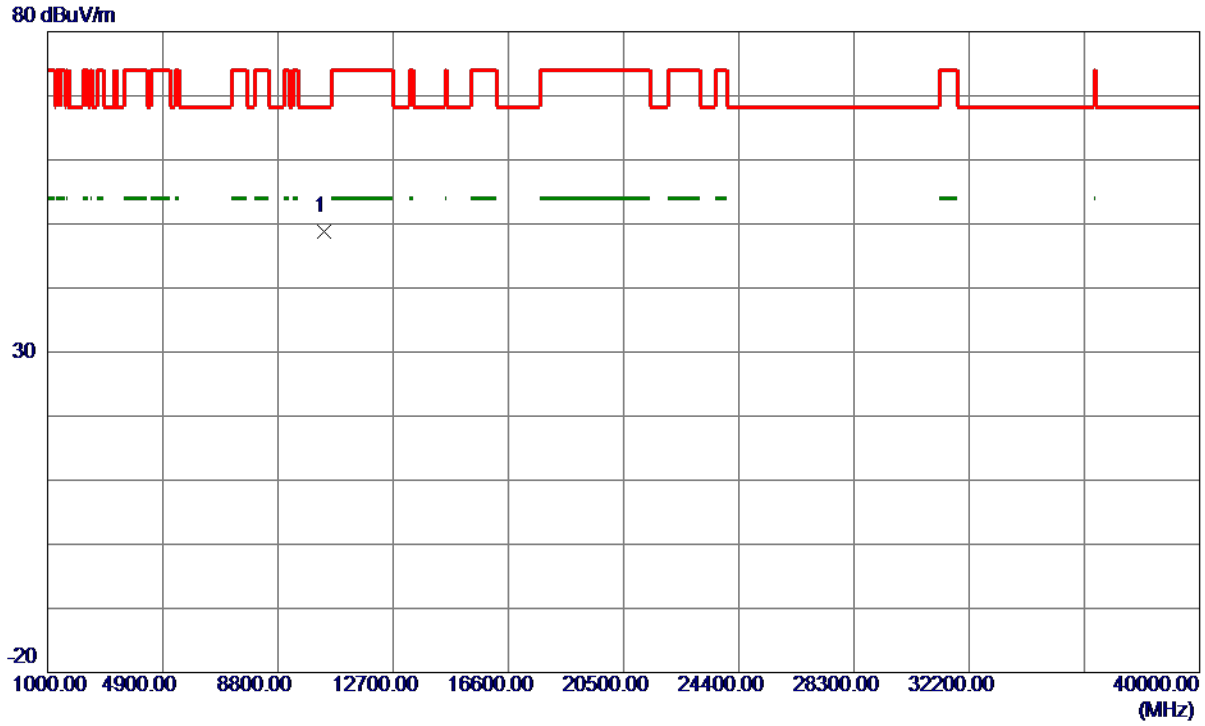


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	48.63	15.02	63.65	74.00	-10.35	Peak	
2	5150.0000	36.96	15.02	51.98	54.00	-2.02	AVG	
3 *	5172.7000	94.04	15.03	109.07	68.30	40.77	Peak	No Limit
4	5172.7000	85.18	15.03	100.21	999.00	-898.79	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5180 MHz

Horizontal

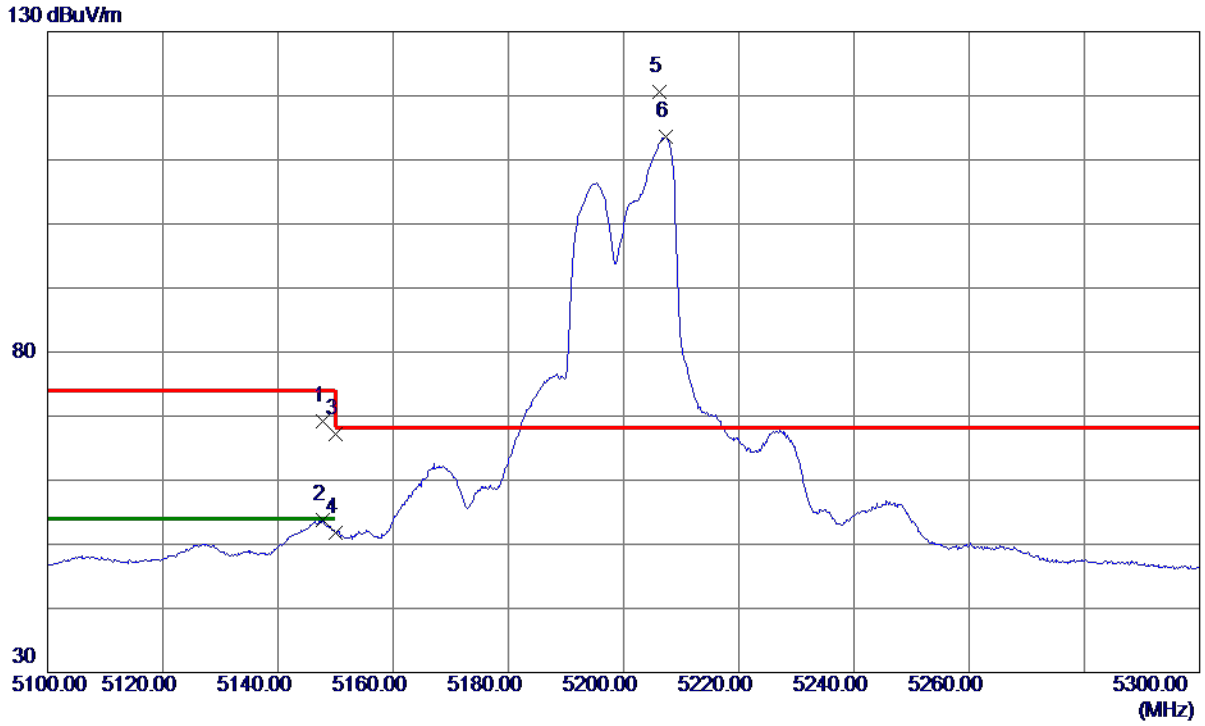


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0960	39.96	8.77	48.73	68.30	-19.57	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5200 MHz

Vertical

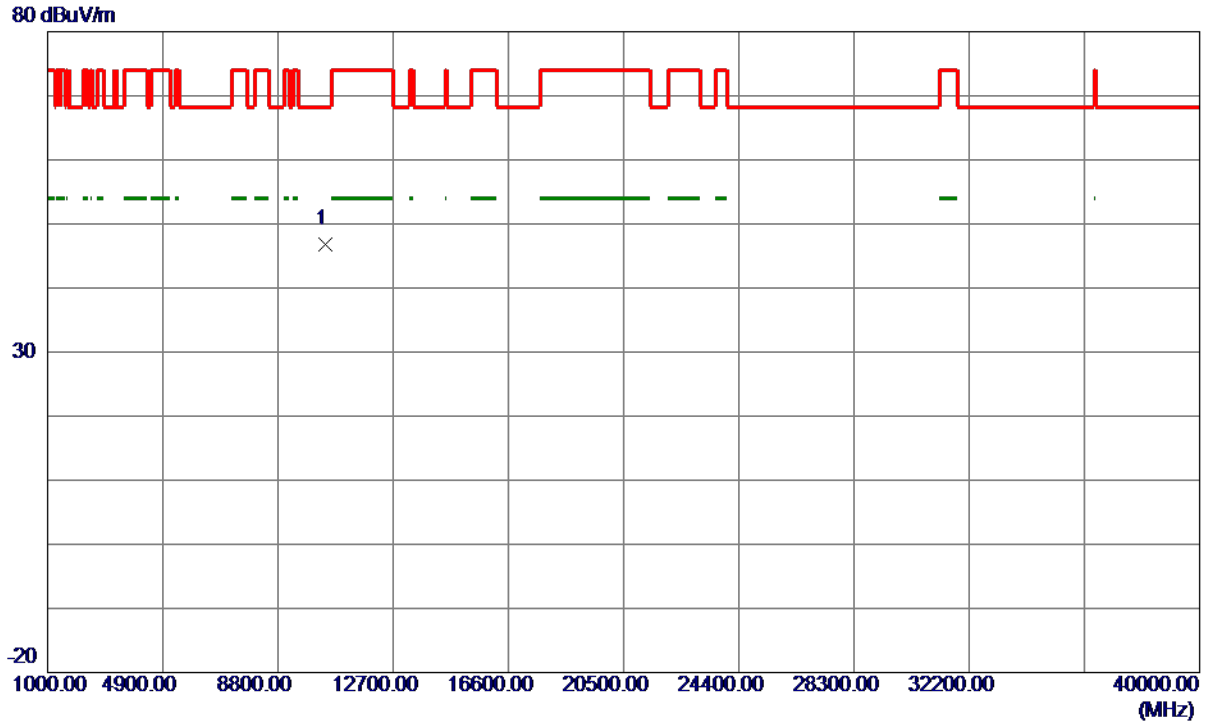


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5147.8000	54.19	15.01	69.20	74.00	-4.80	Peak	
2	5147.8000	38.78	15.01	53.79	54.00	-0.21	AVG	
3	5150.0000	52.21	15.02	67.23	74.00	-6.77	Peak	
4	5150.0000	36.73	15.02	51.75	54.00	-2.25	AVG	
5 *	5206.3000	105.61	15.05	120.66	68.30	52.36	Peak	No Limit
6	5207.3000	98.51	15.06	113.57	999.00	-885.43	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5200 MHz

Vertical

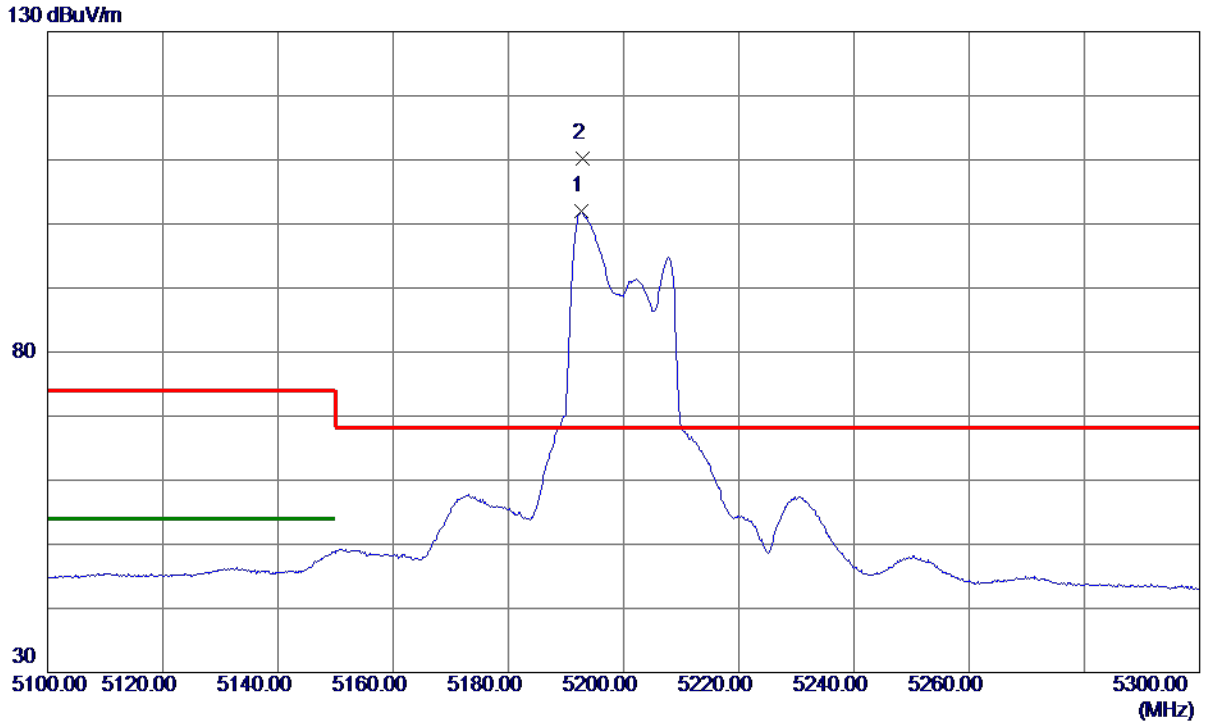


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0420	37.94	8.85	46.79	68.30	-21.51	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5200 MHz

Horizontal

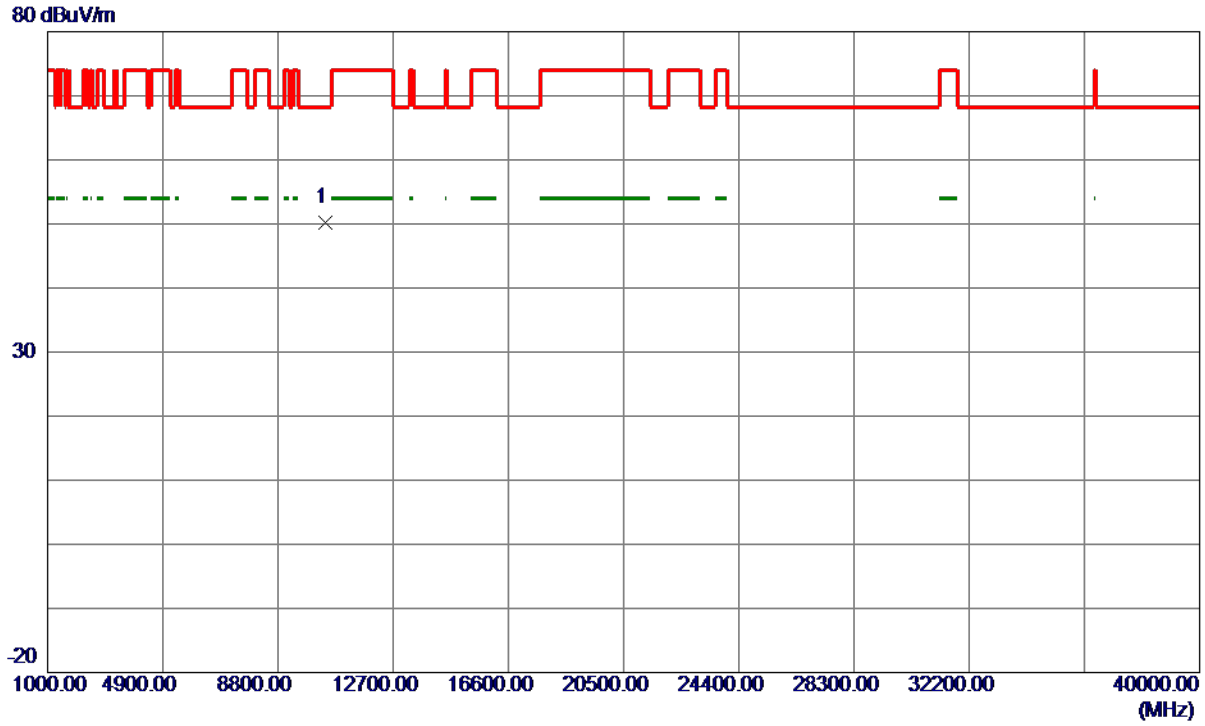


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5192.7000	86.96	15.04	102.00	999.00	-897.00	AVG	No Limit
2 *	5192.8000	95.24	15.04	110.28	68.30	41.98	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5200 MHz

Horizontal

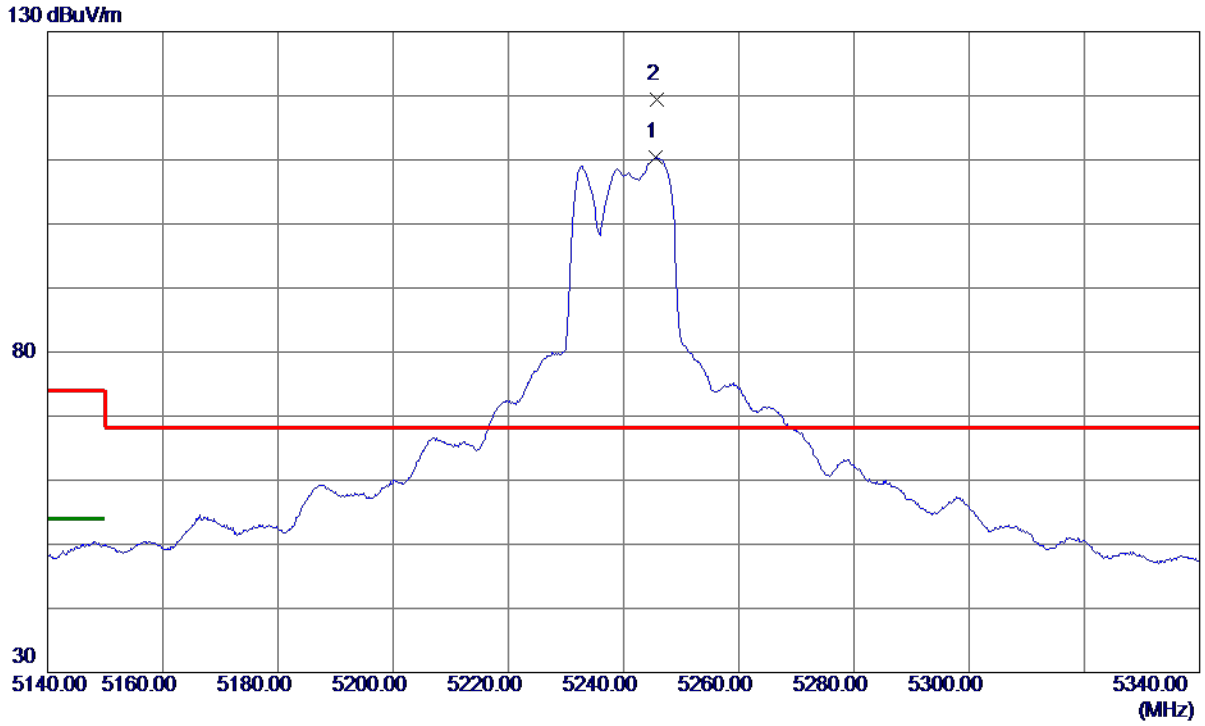


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.1520	41.36	8.85	50.21	68.30	-18.09	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5240 MHz

Vertical

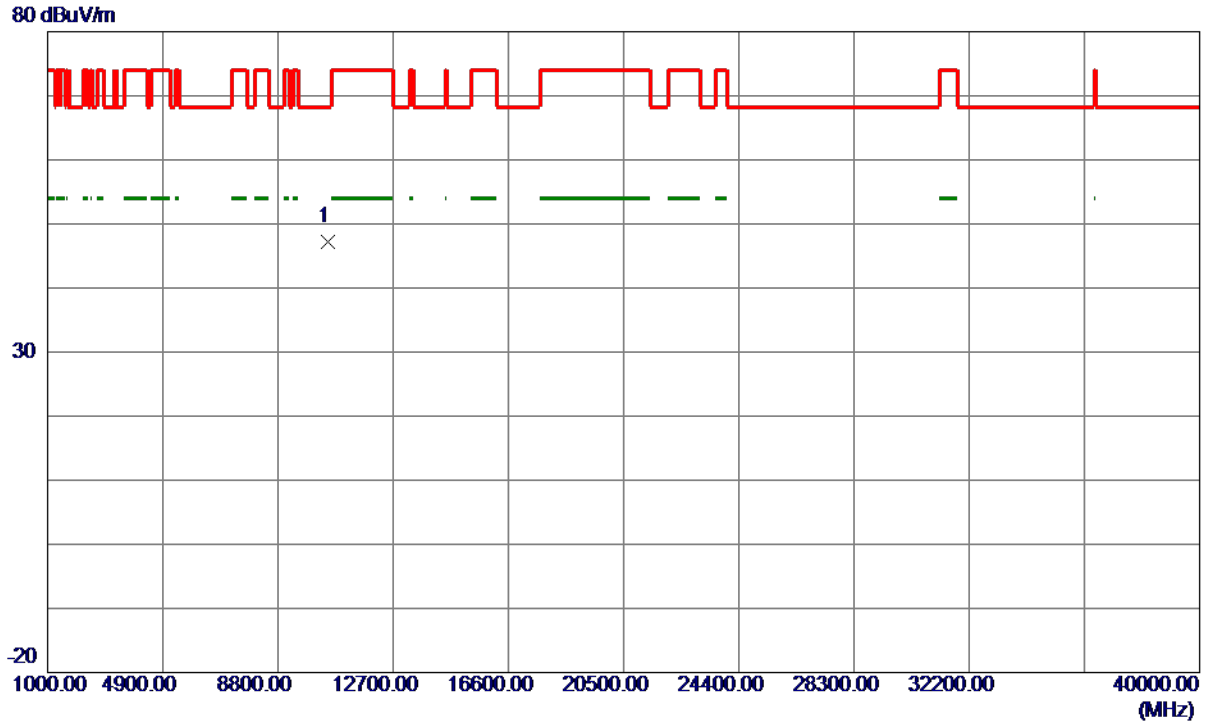


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5245.6000	95.32	15.08	110.40	999.00	-888.60	AVG	No Limit
2 *	5245.8000	104.41	15.08	119.49	68.30	51.19	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5240 MHz

Vertical

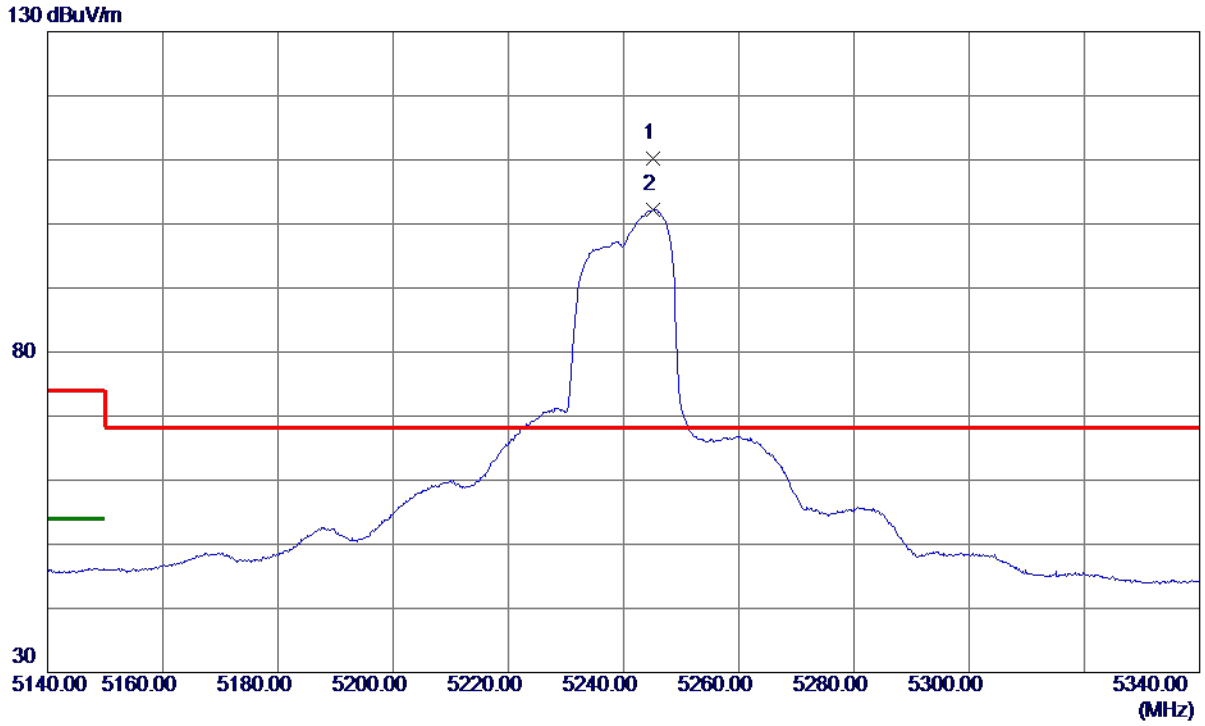


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0380	38.22	9.02	47.24	68.30	-21.06	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5240 MHz

Horizontal

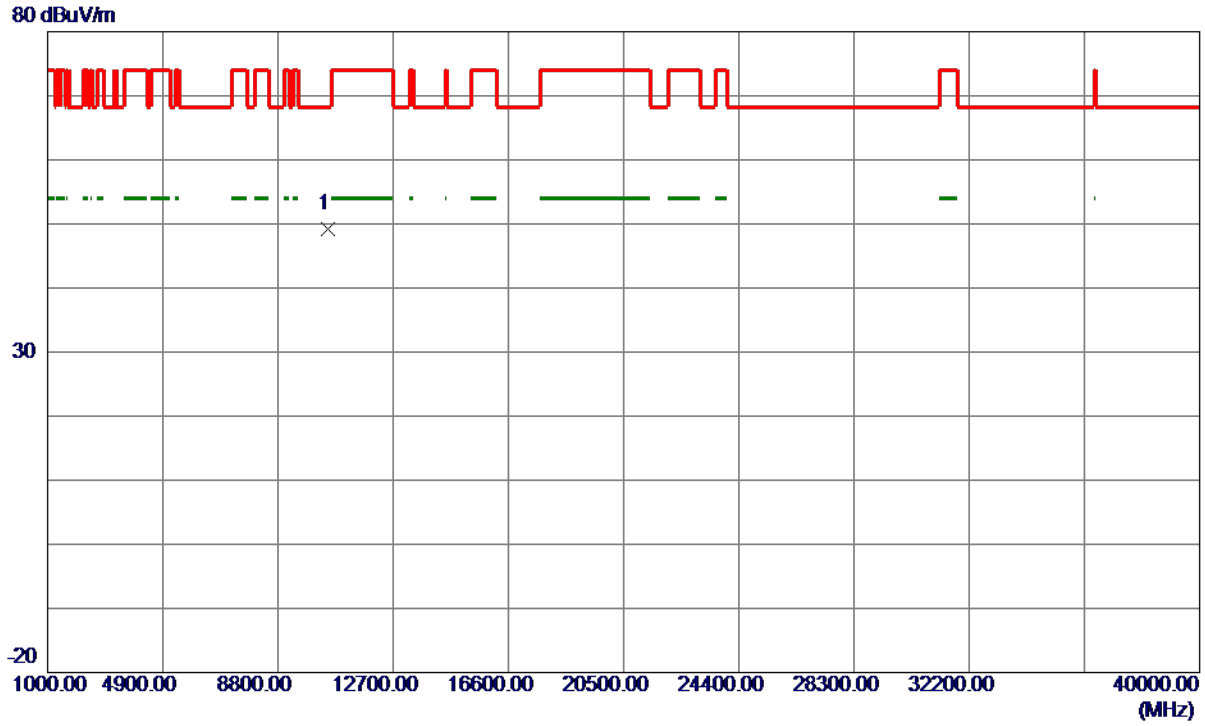


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5245.1000	95.10	15.08	110.18	68.30	41.88	Peak	No Limit
2	5245.2000	87.17	15.08	102.25	999.00	-896.75	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX A Mode 5240 MHz

Horizontal

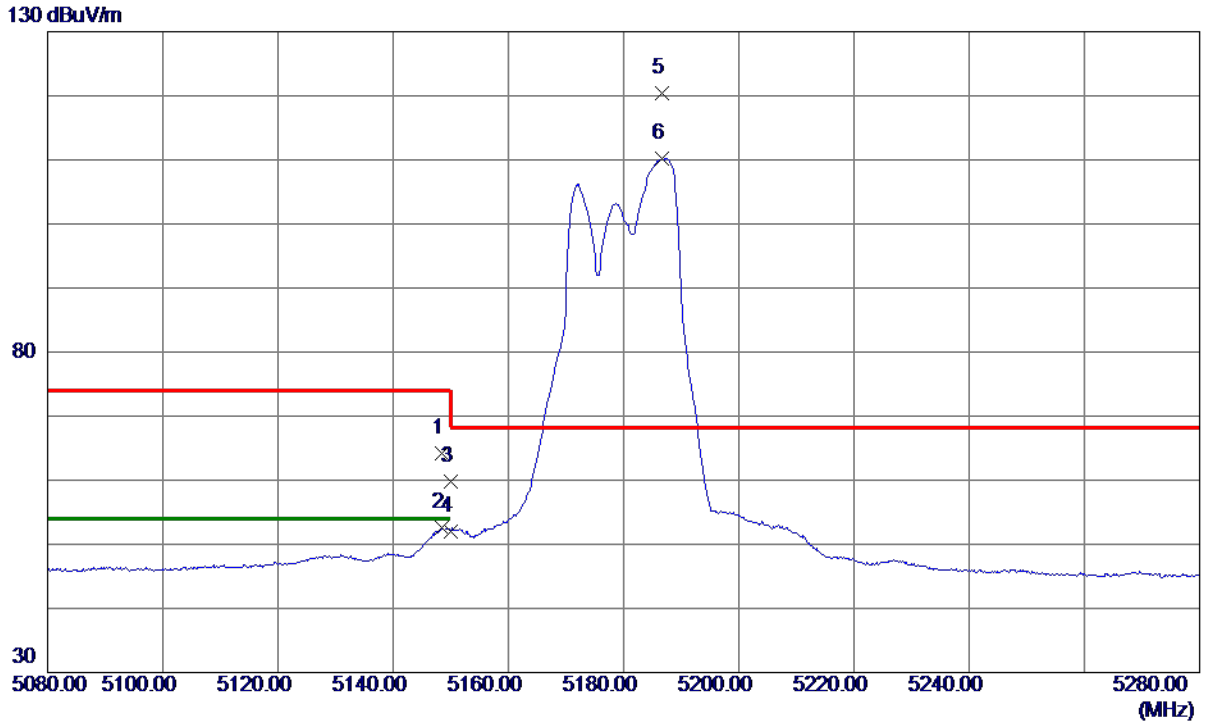


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0540	40.14	9.02	49.16	68.30	-19.14	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5180 MHz

Vertical

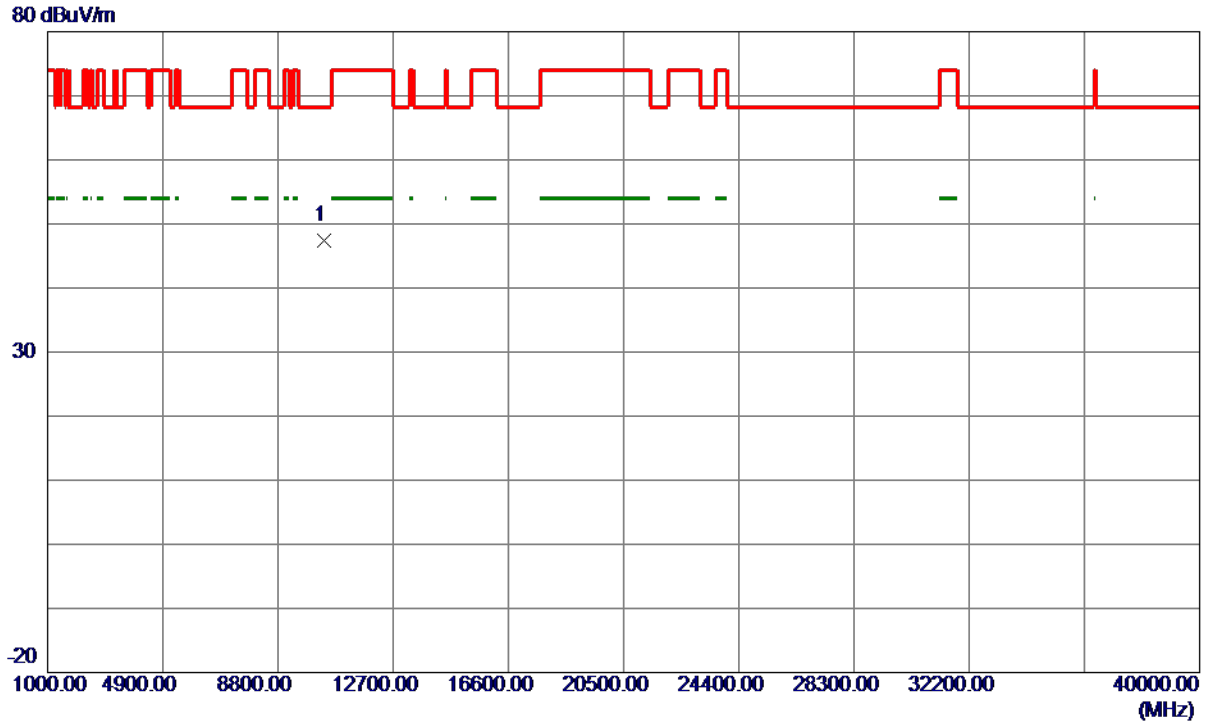


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5148.5000	49.13	15.01	64.14	74.00	-9.86	Peak	
2	5148.5000	37.51	15.01	52.52	54.00	-1.48	AVG	
3	5150.0000	44.81	15.02	59.83	74.00	-14.17	Peak	
4	5150.0000	37.03	15.02	52.05	54.00	-1.95	AVG	
5 *	5186.6000	105.34	15.04	120.38	68.30	52.08	Peak	No Limit
6	5186.6000	95.13	15.04	110.17	999.00	-888.83	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5180 MHz

Vertical

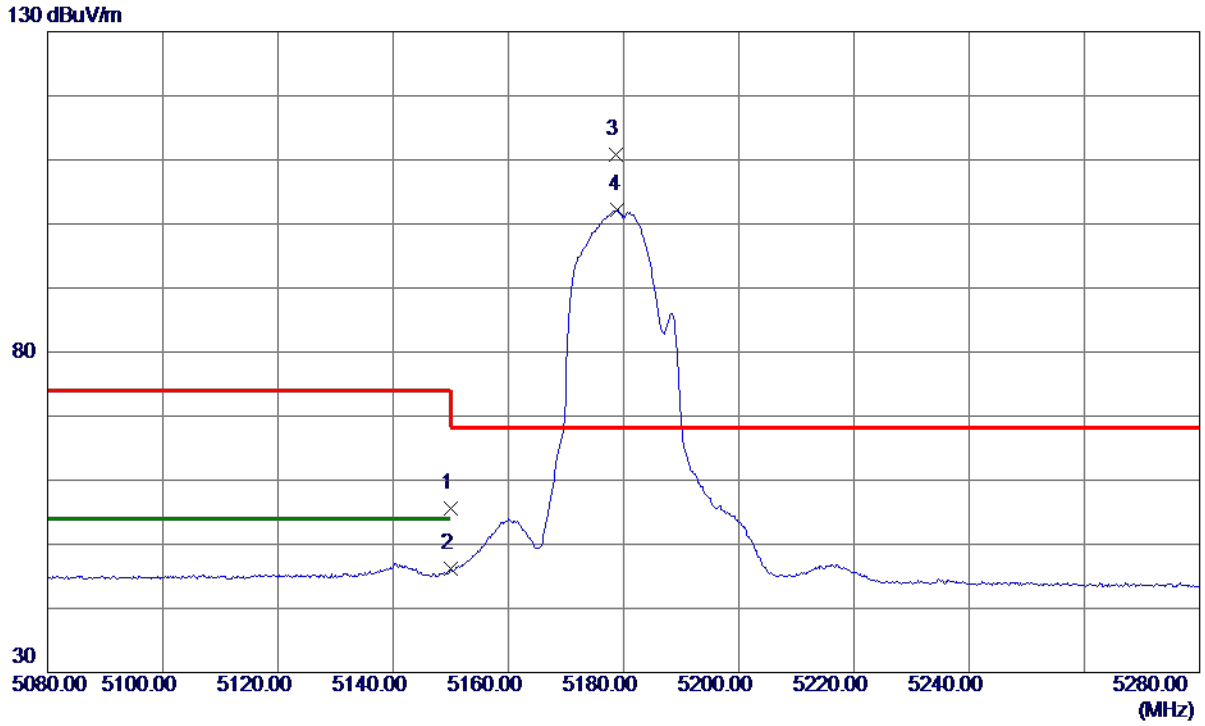


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10360.0140	38.63	8.77	47.40	68.30	-20.90	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5180 MHz

Horizontal

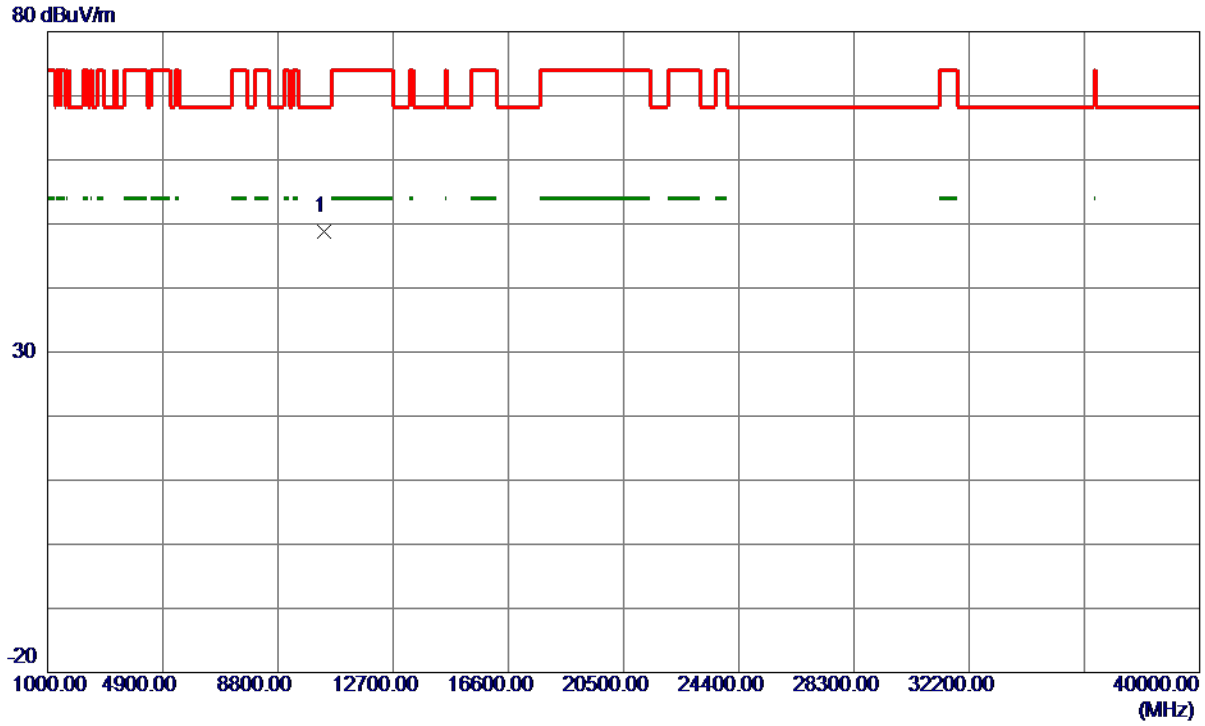


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	40.56	15.02	55.58	74.00	-18.42	Peak	
2	5150.0000	31.18	15.02	46.20	54.00	-7.80	AVG	
3 *	5178.7000	95.79	15.04	110.83	68.30	42.53	Peak	No Limit
4	5179.0000	87.16	15.04	102.20	999.00	-896.80	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5180 MHz

Horizontal

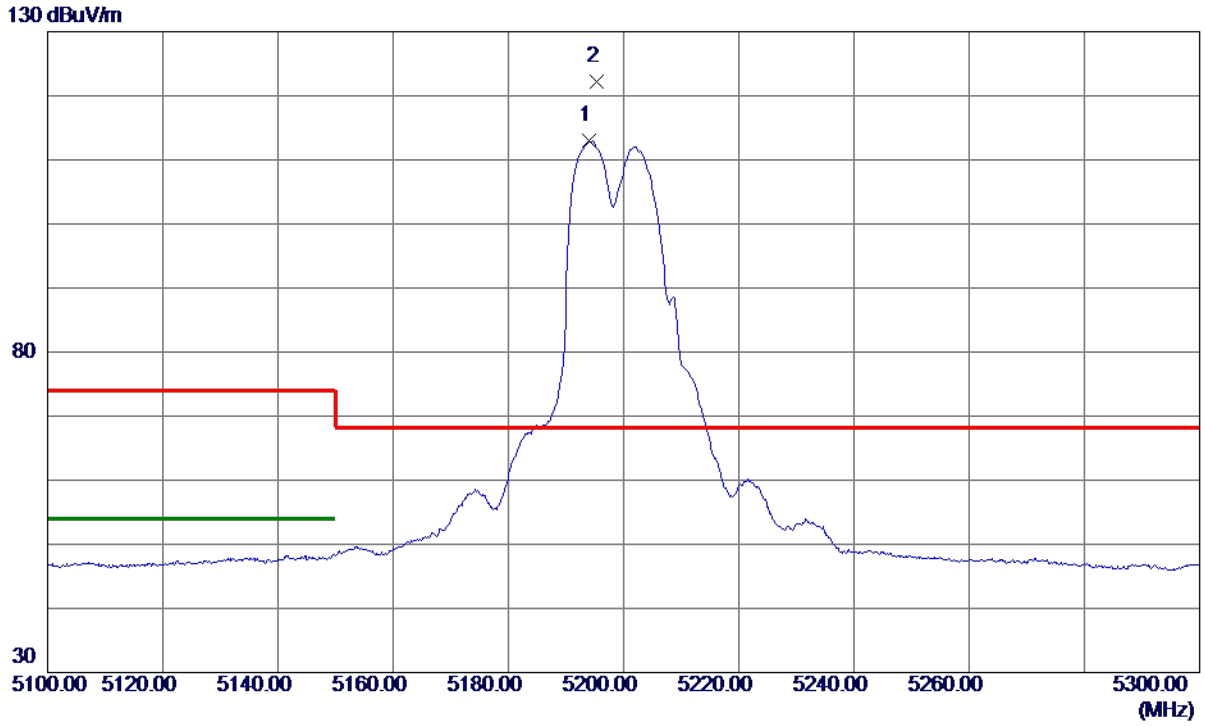


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.8470	40.12	8.77	48.89	68.30	-19.41	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5200 MHz

Vertical

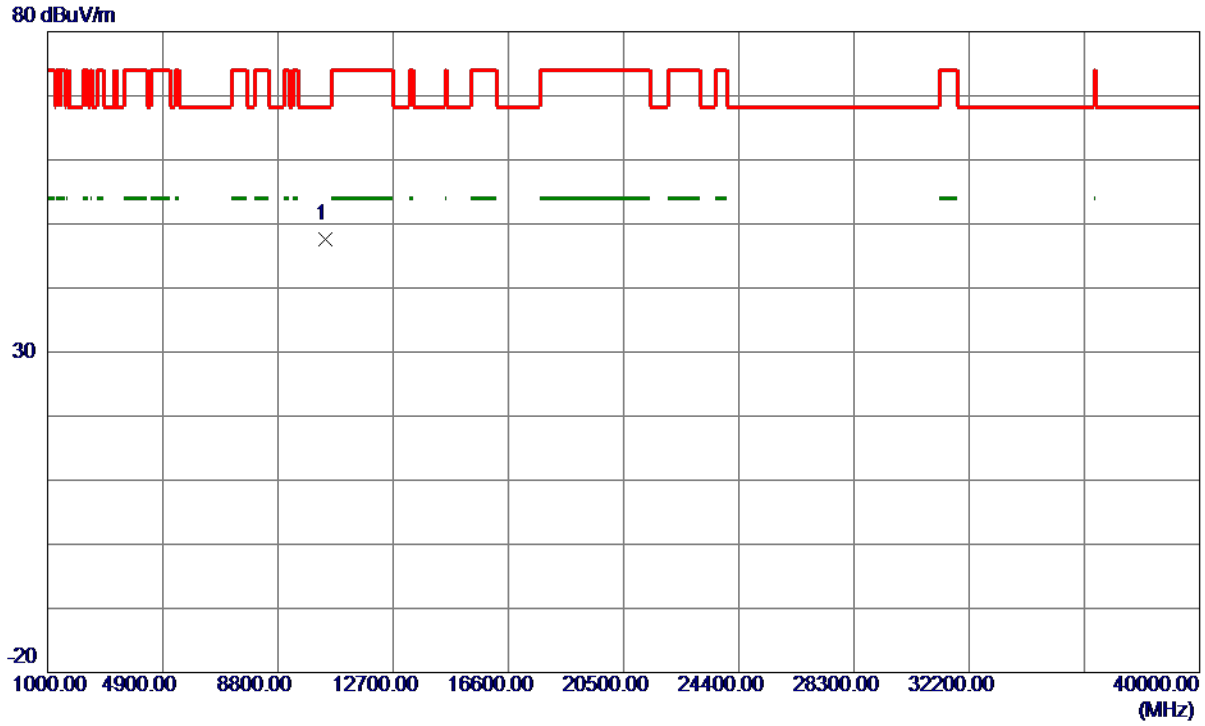


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5194.0000	97.99	15.05	113.04	999.00	-885.96	AVG	No Limit
2 *	5195.3000	107.08	15.05	122.13	68.30	53.83	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5200 MHz

Vertical

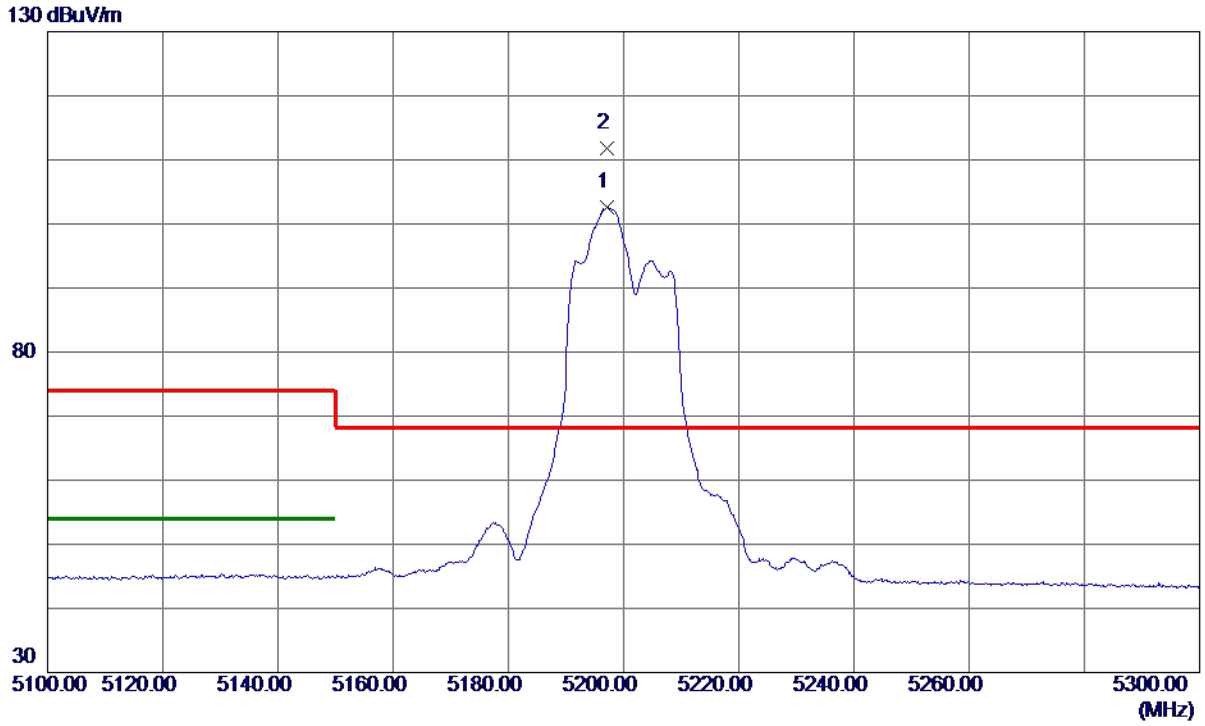


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10399.9870	38.67	8.85	47.52	68.30	-20.78	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5200 MHz

Horizontal

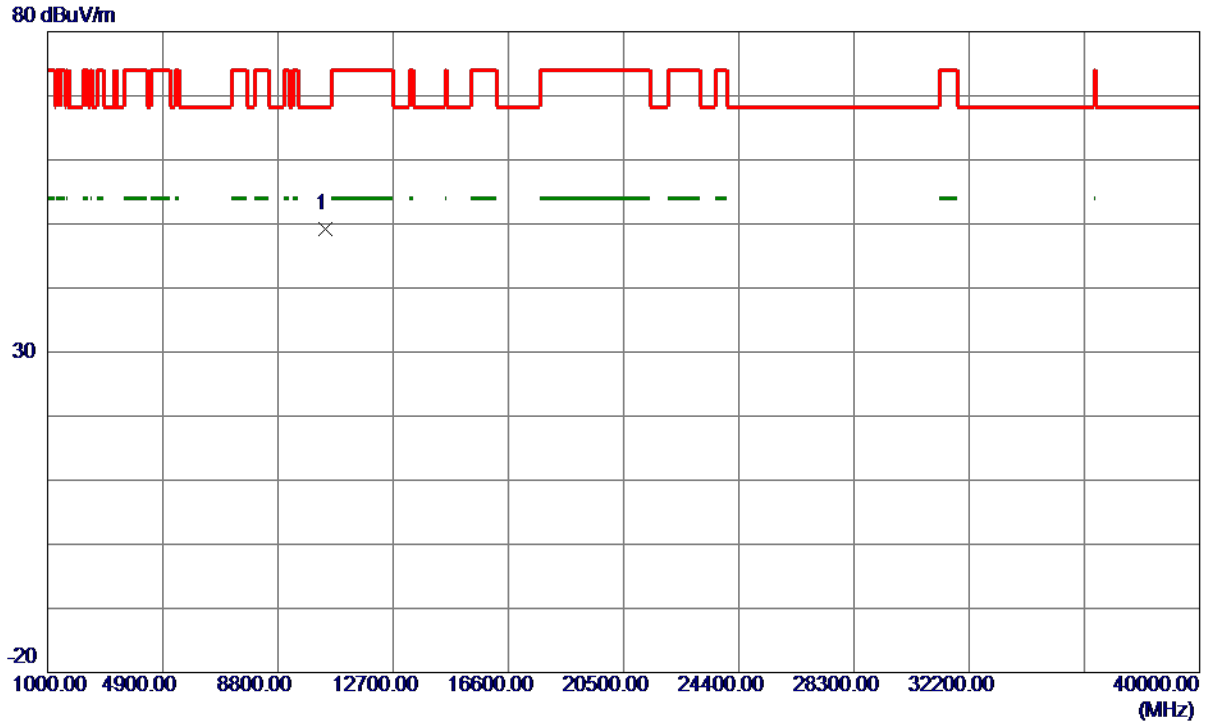


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5197.1000	87.47	15.05	102.52	999.00	-896.48	AVG	No Limit
2 *	5197.2000	96.84	15.05	111.89	68.30	43.59	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5200 MHz

Horizontal

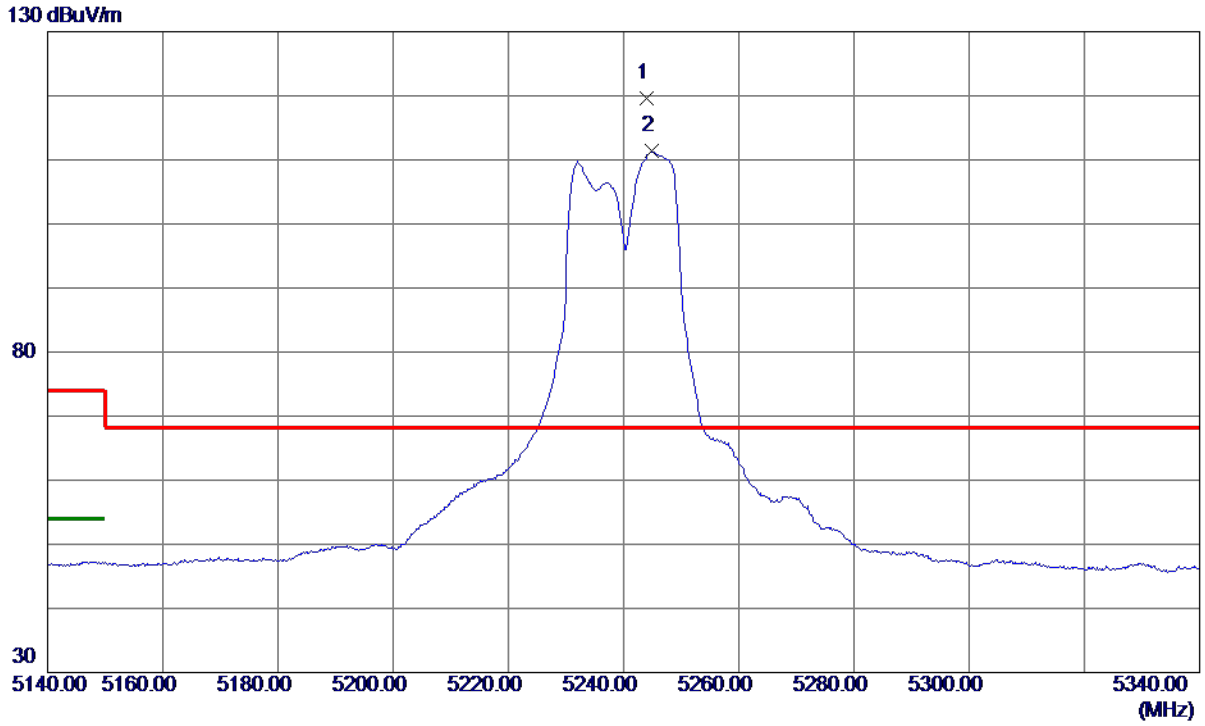


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.0519	40.39	8.85	49.24	68.30	-19.06	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5240 MHz

Vertical

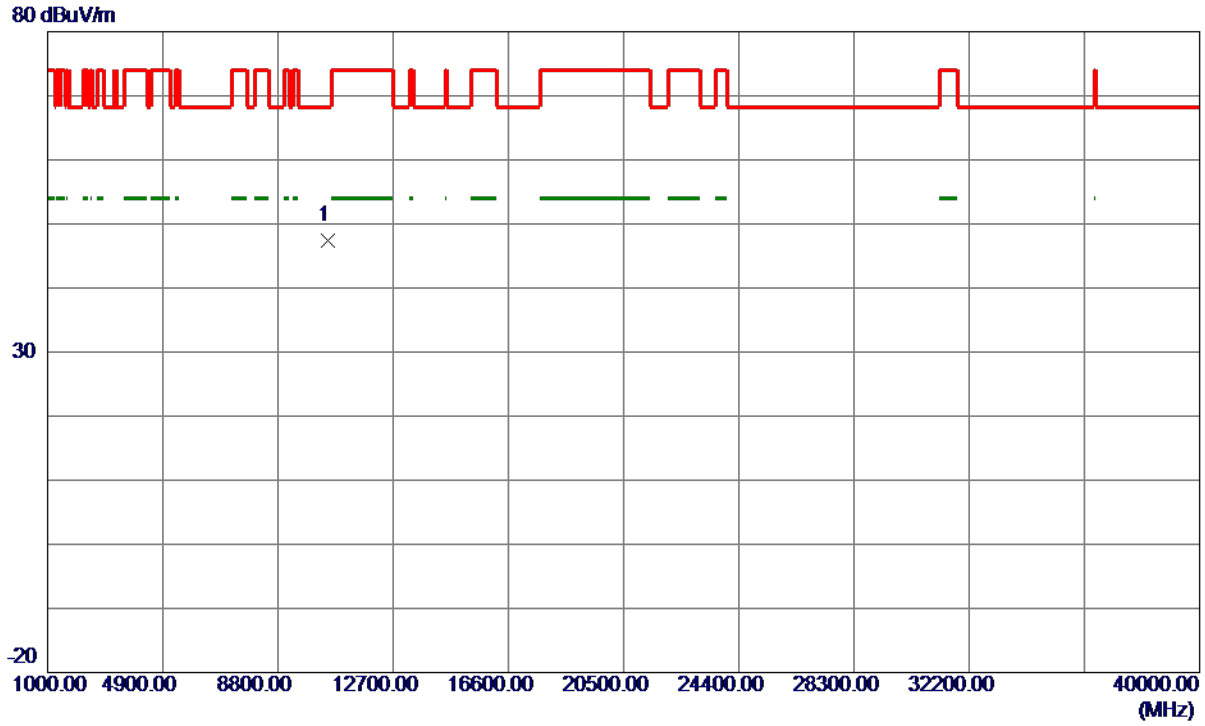


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5244.1000	104.48	15.08	119.56	68.30	51.26	Peak	No Limit
2	5244.8000	96.25	15.08	111.33	999.00	-887.67	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5240 MHz

Vertical

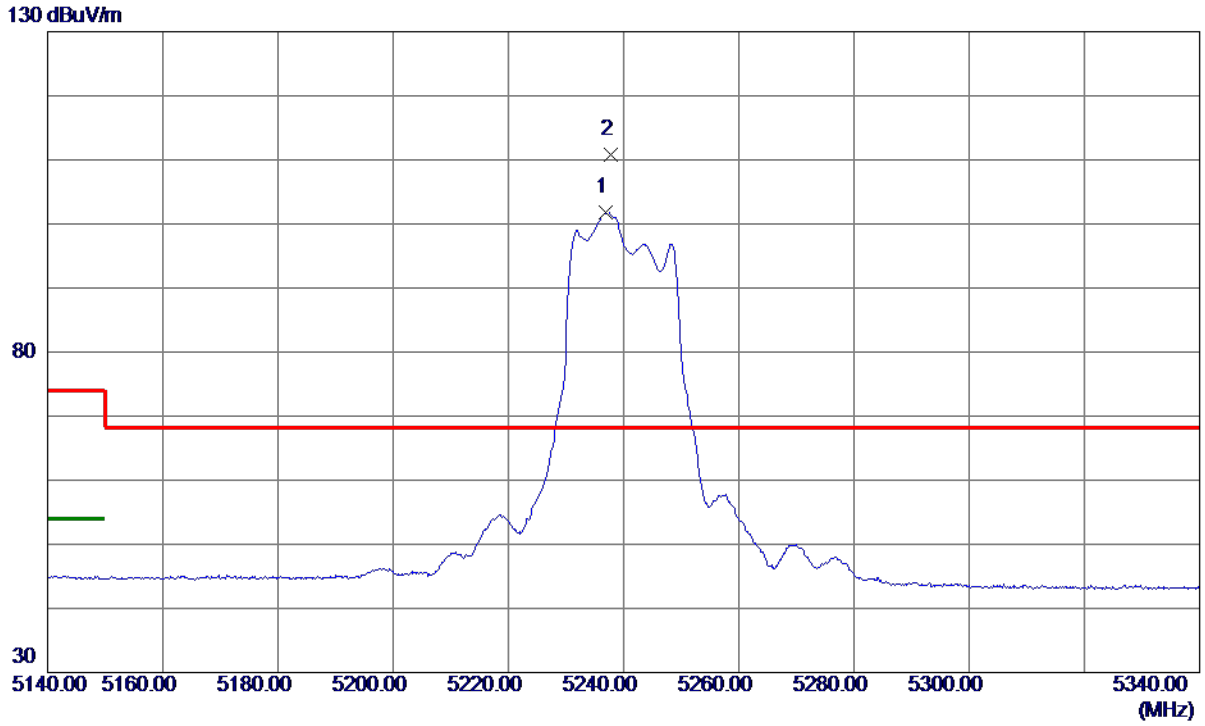


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.9610	38.38	9.02	47.40	68.30	-20.90	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5240 MHz

Horizontal

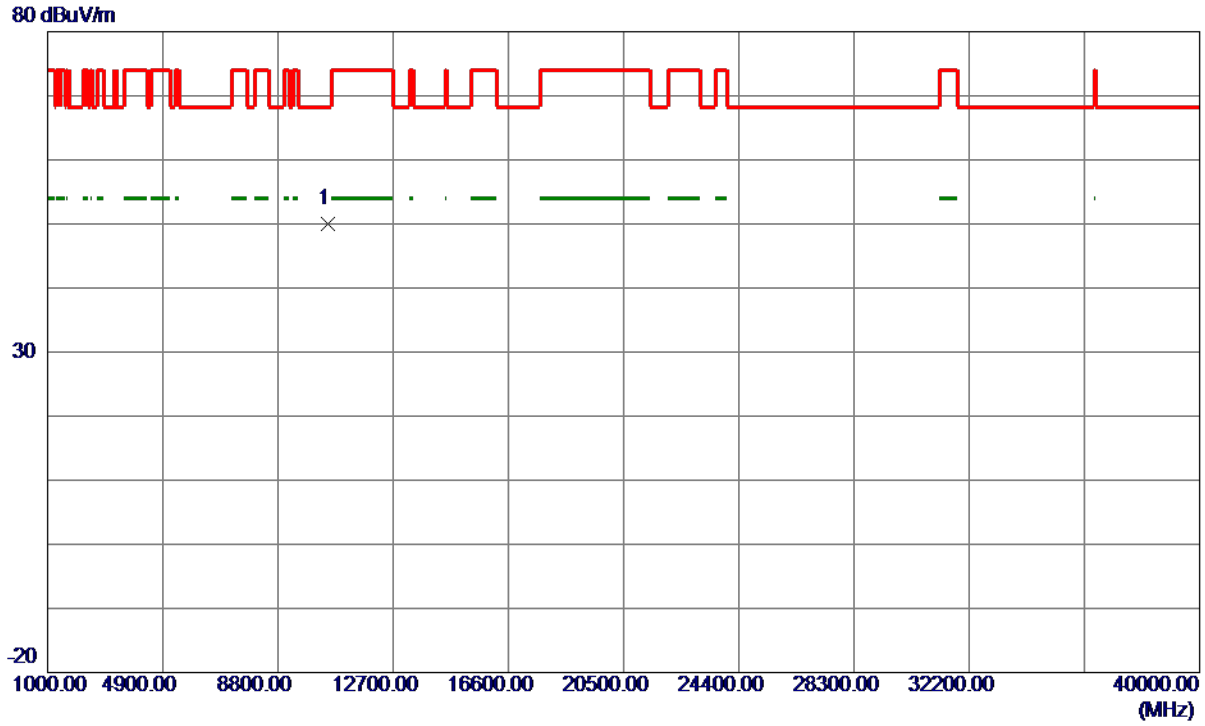


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5236.8000	86.74	15.08	101.82	999.00	-897.18	AVG	No Limit
2 *	5237.8000	95.64	15.08	110.72	68.30	42.42	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT20) Mode 5240 MHz

Horizontal

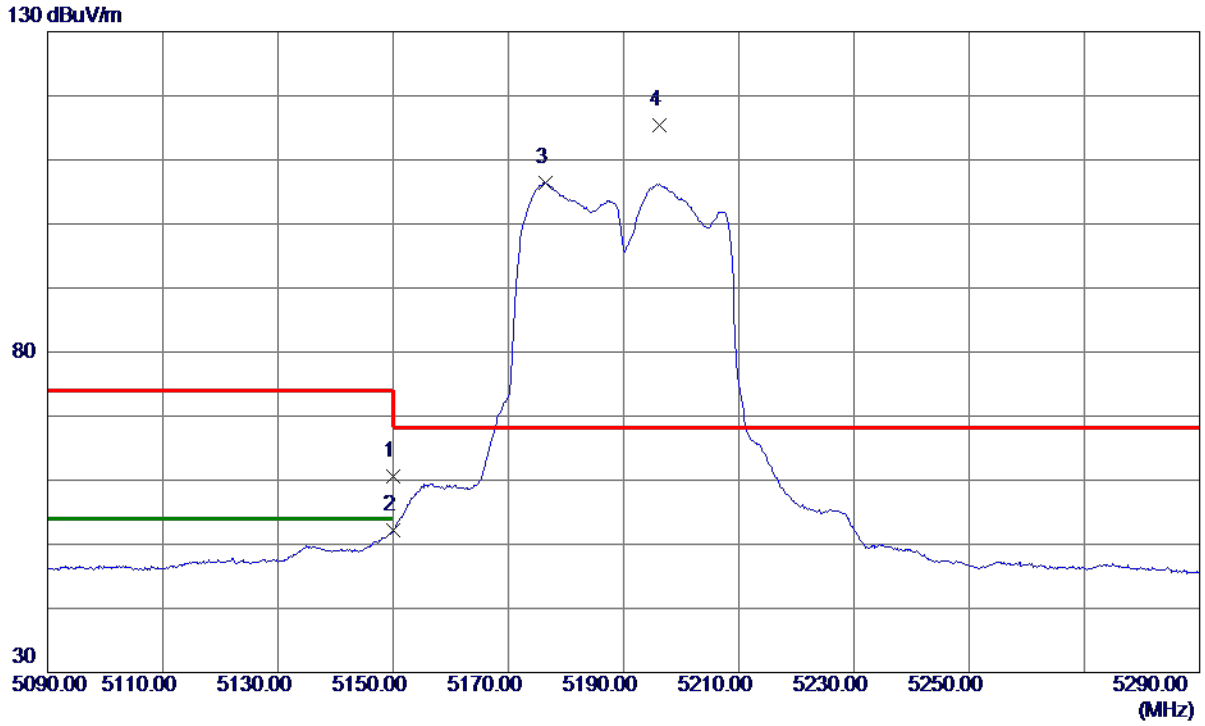


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10479.9860	40.97	9.02	49.99	68.30	-18.31	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5190 MHz

Vertical

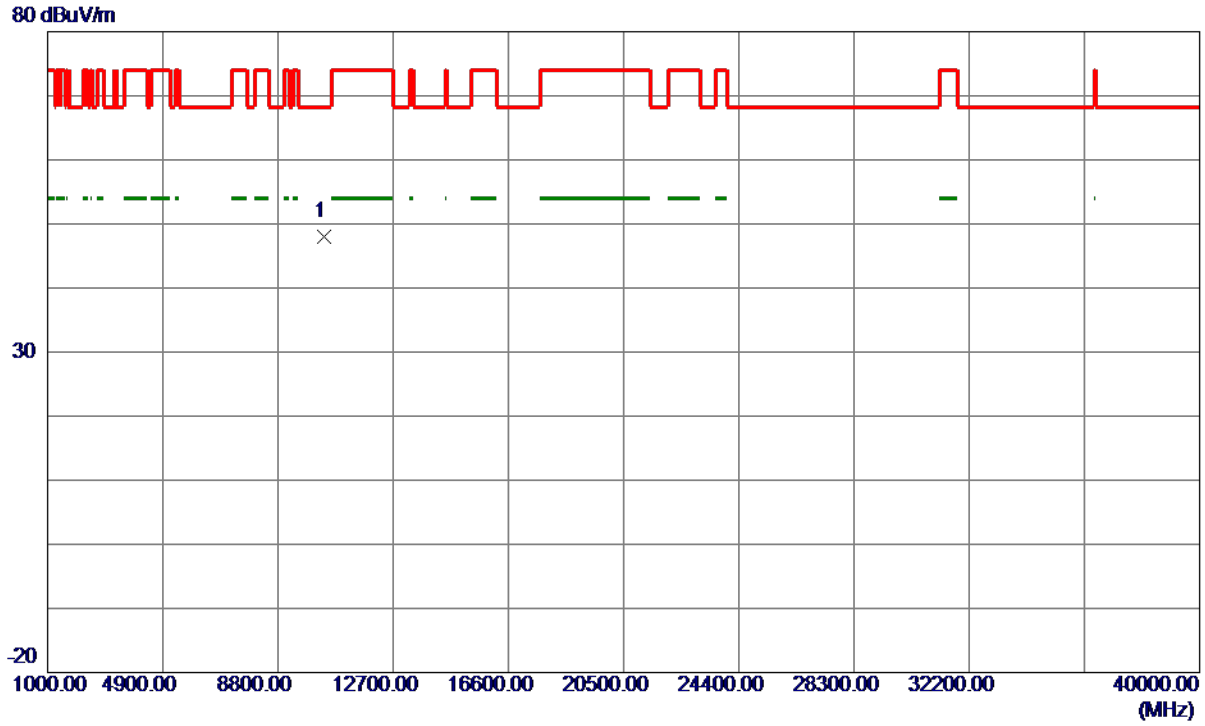


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	45.56	15.02	60.58	74.00	-13.42	Peak	
2	5150.0000	37.14	15.02	52.16	54.00	-1.84	AVG	
3	5176.4000	91.39	15.03	106.42	999.00	-892.58	AVG	No Limit
4 *	5196.3000	100.44	15.05	115.49	68.30	47.19	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5190 MHz

Vertical

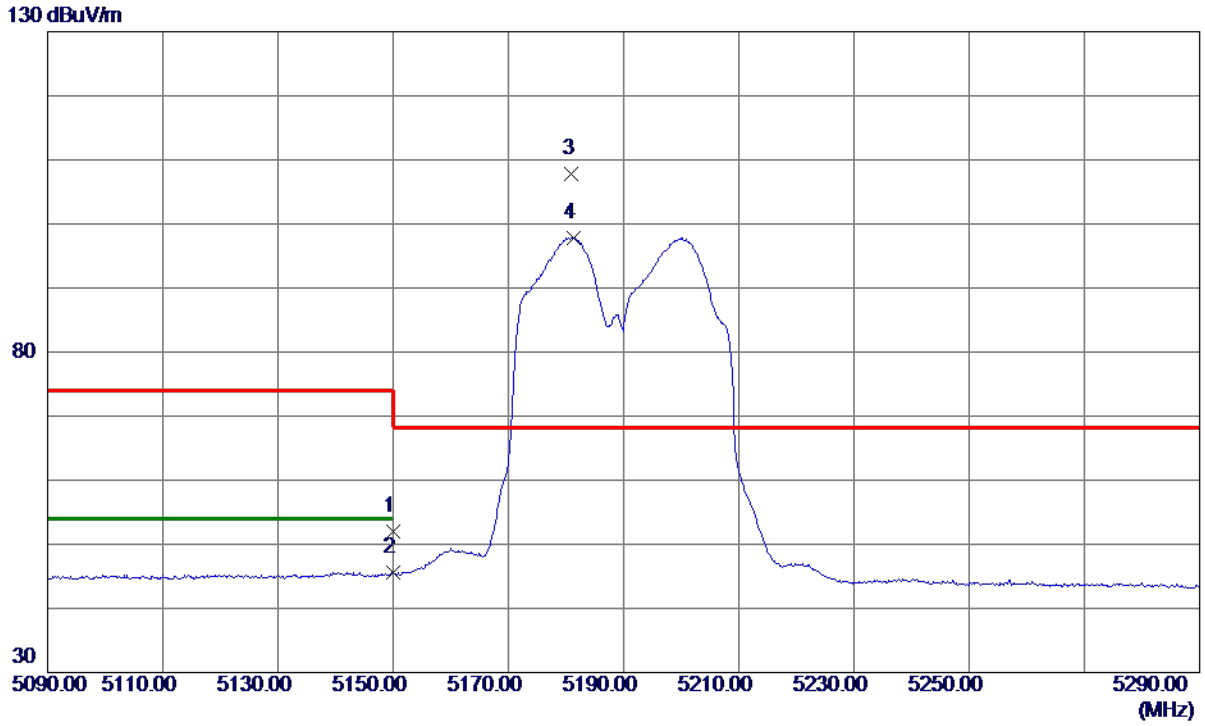


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379.9550	39.27	8.81	48.08	68.30	-20.22	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5190 MHz

Horizontal

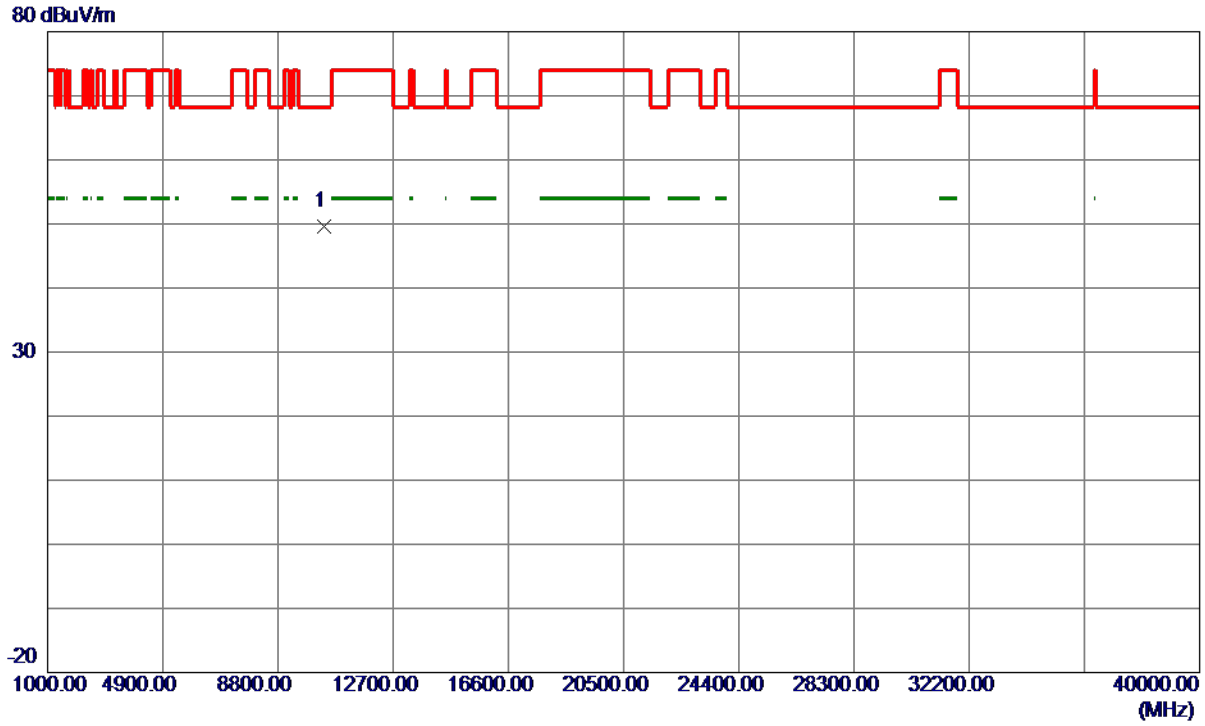


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	37.02	15.02	52.04	74.00	-21.96	Peak	
2	5150.0000	30.51	15.02	45.53	54.00	-8.47	AVG	
3 *	5181.0000	92.71	15.04	107.75	68.30	39.45	Peak	No Limit
4	5181.3000	82.80	15.04	97.84	999.00	-901.16	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5190 MHz

Horizontal

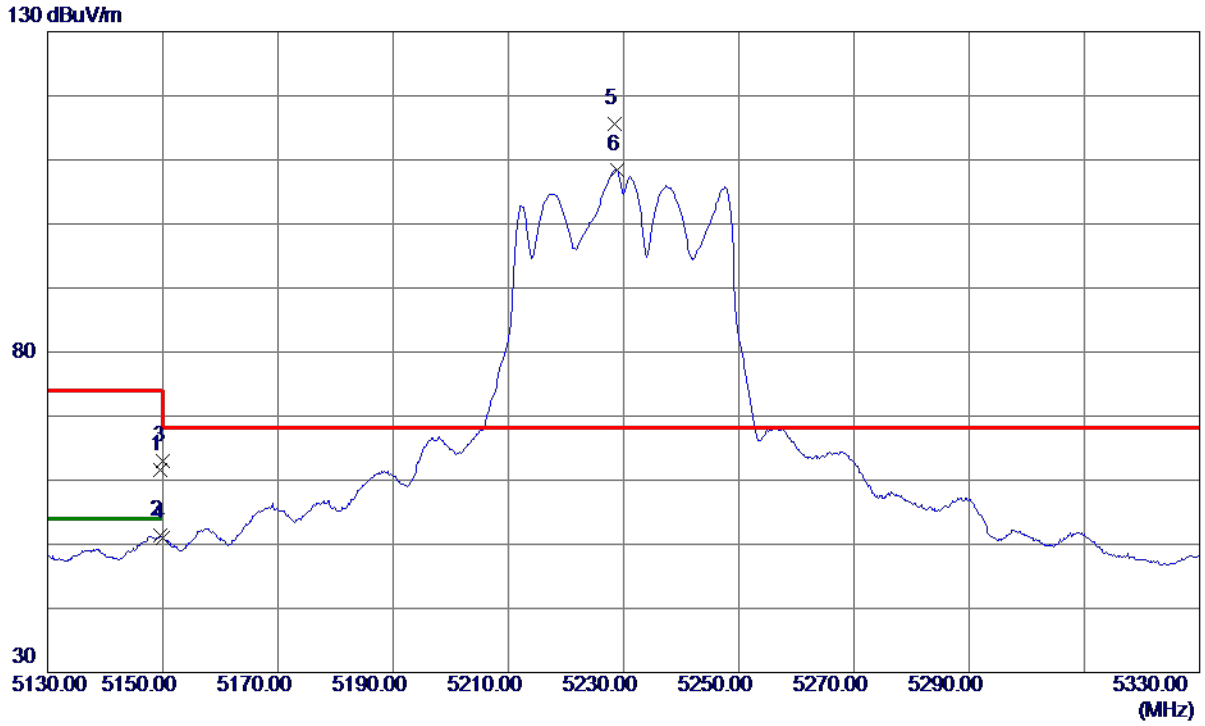


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379.9710	40.75	8.81	49.56	68.30	-18.74	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5230 MHz

Vertical

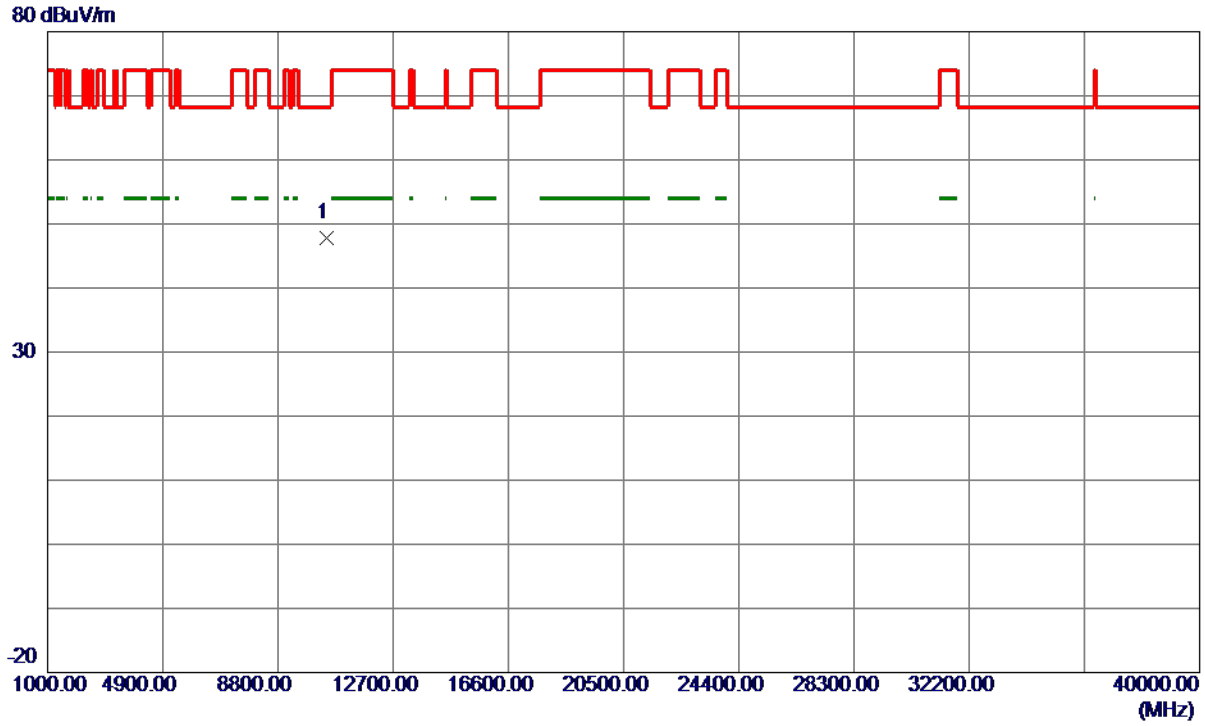


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5149.6000	46.56	15.01	61.57	74.00	-12.43	Peak	
2	5149.6000	36.38	15.01	51.39	54.00	-2.61	AVG	
3	5150.0000	47.99	15.02	63.01	74.00	-10.99	Peak	
4	5150.0000	35.92	15.02	50.94	54.00	-3.06	AVG	
5 *	5228.4000	100.58	15.07	115.65	68.30	47.35	Peak	No Limit
6	5228.9000	93.36	15.07	108.43	999.00	-890.57	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5230 MHz

Vertical

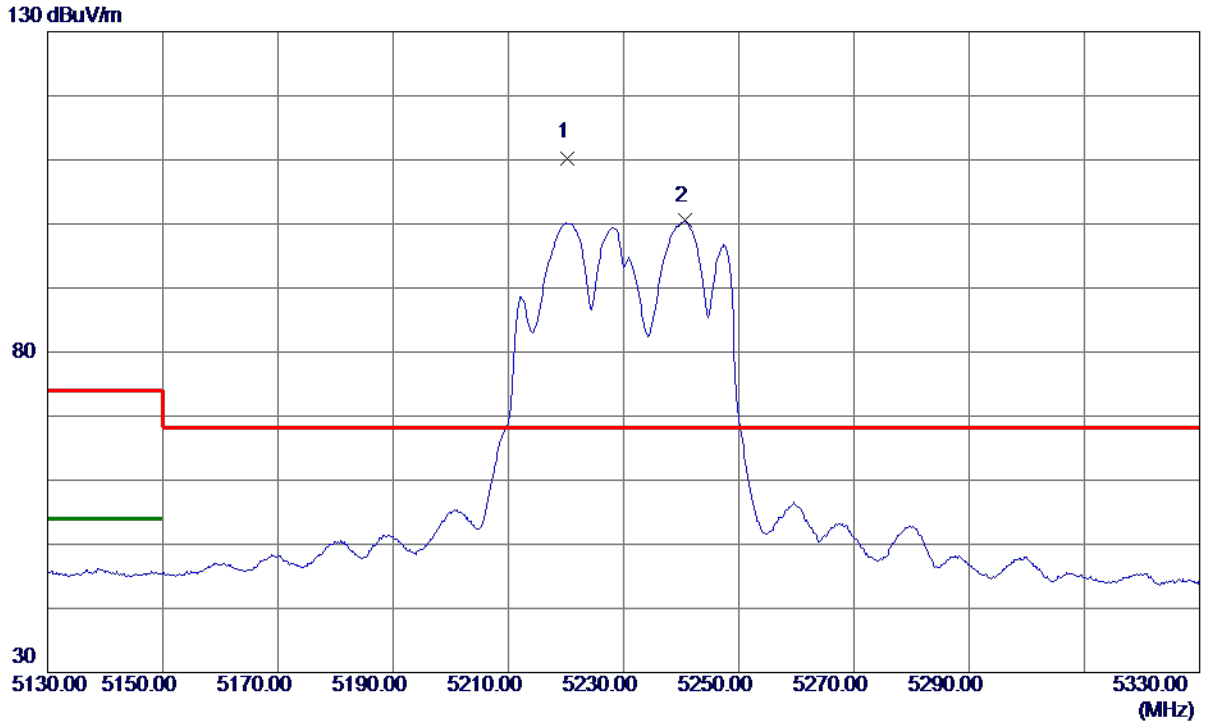


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.2040	38.75	8.98	47.73	68.30	-20.57	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5230 MHz

Horizontal

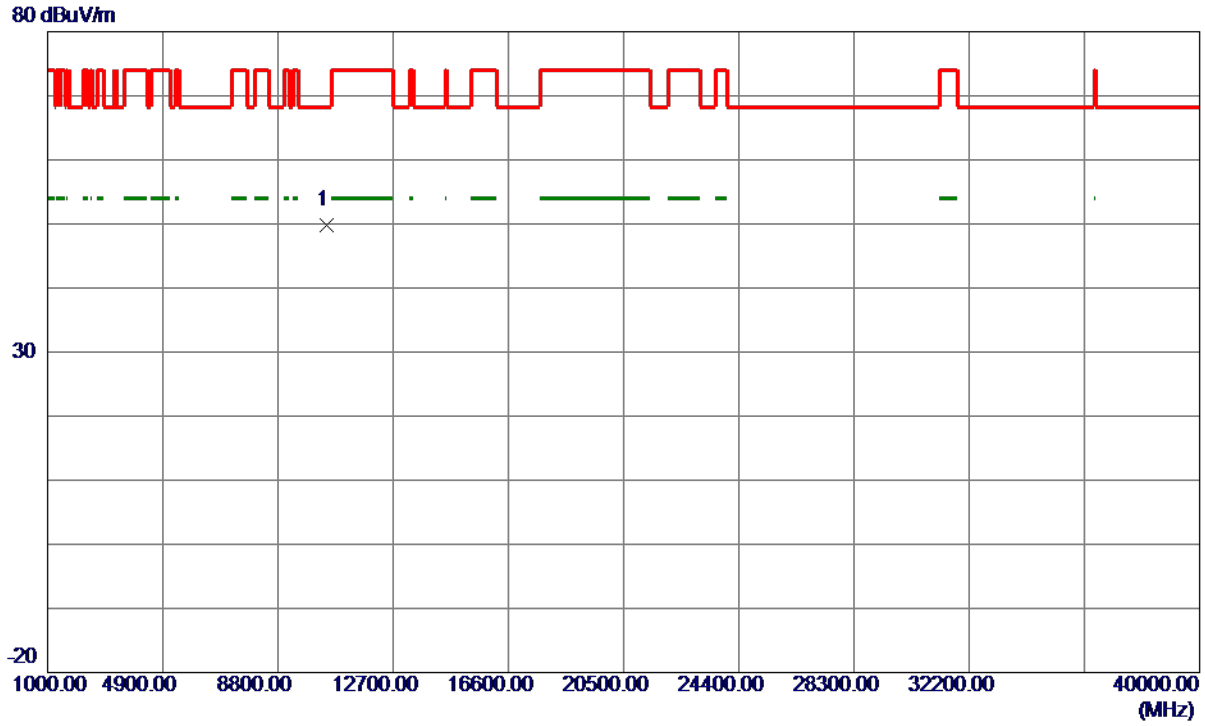


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5220.3000	95.24	15.06	110.30	68.30	42.00	Peak	No Limit
2	5240.6000	85.42	15.08	100.50	999.00	-898.50	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX N (HT40) Mode 5230 MHz

Horizontal

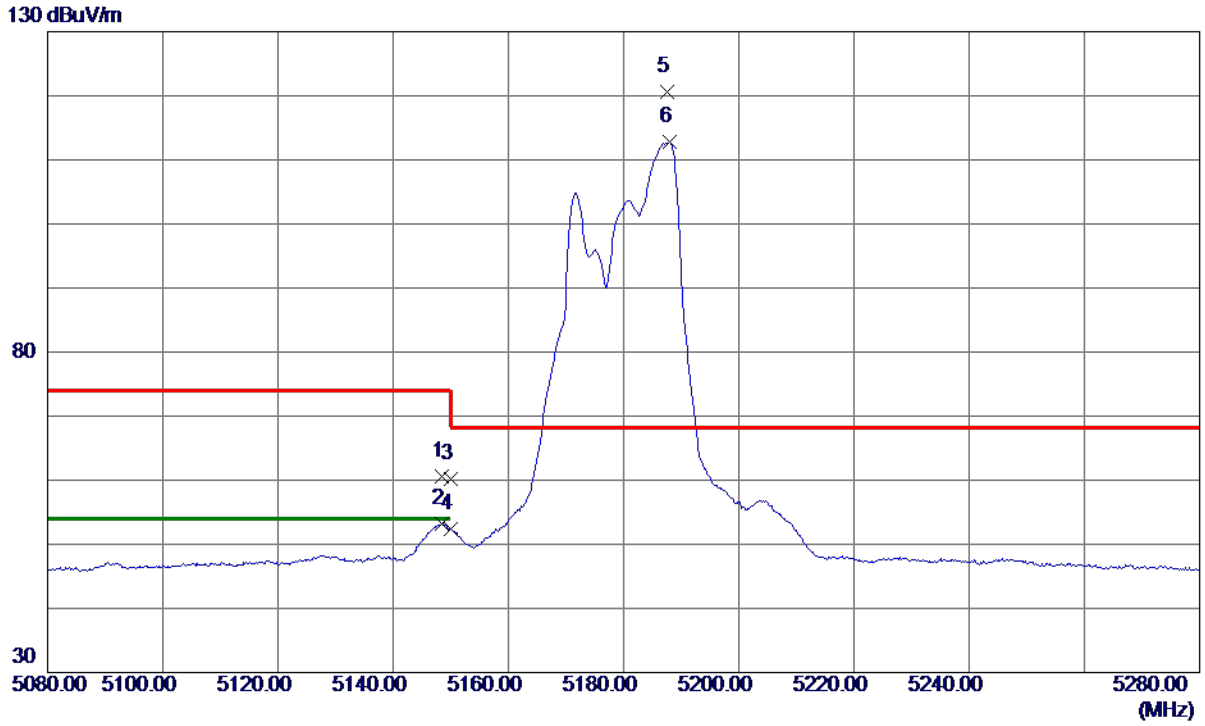


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.0990	40.87	8.98	49.85	68.30	-18.45	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5180 MHz

Vertical

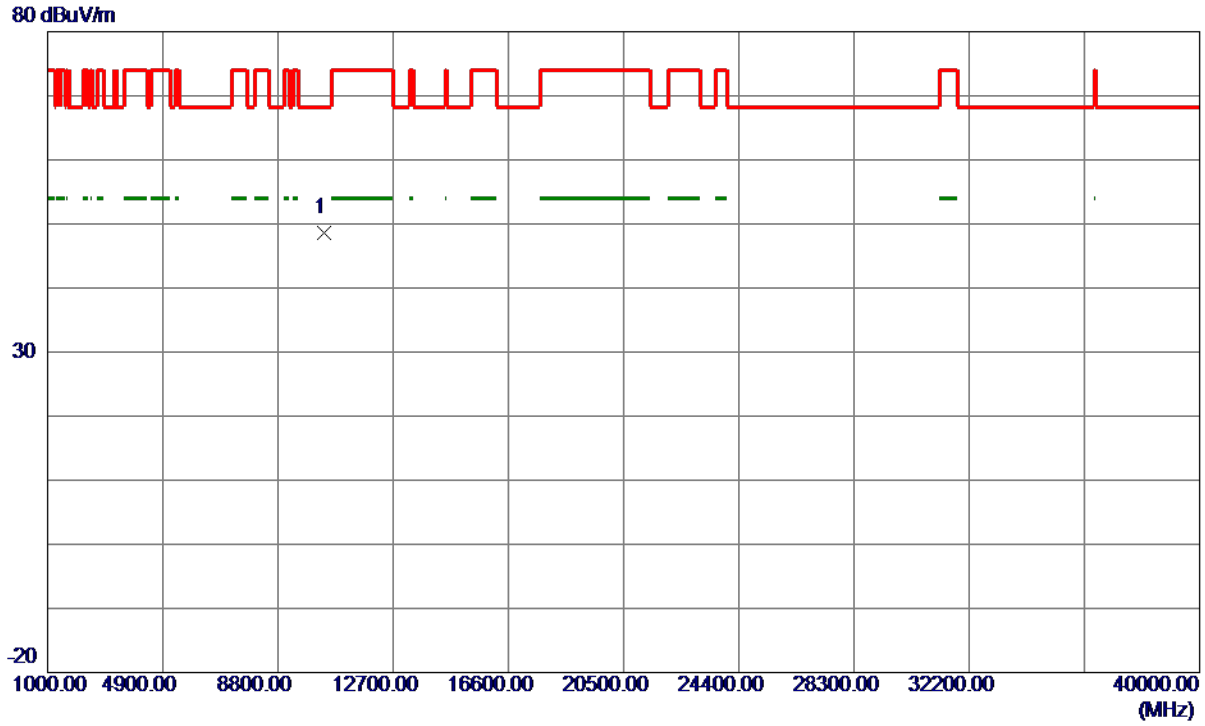


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5148.5000	45.68	15.01	60.69	74.00	-13.31	Peak	
2	5148.5000	38.25	15.01	53.26	54.00	-0.74	AVG	
3	5150.0000	45.23	15.02	60.25	74.00	-13.75	Peak	
4	5150.0000	37.41	15.02	52.43	54.00	-1.57	AVG	
5 *	5187.5000	105.65	15.04	120.69	68.30	52.39	Peak	No Limit
6	5188.0000	97.79	15.04	112.83	999.00	-886.17	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5180 MHz

Vertical

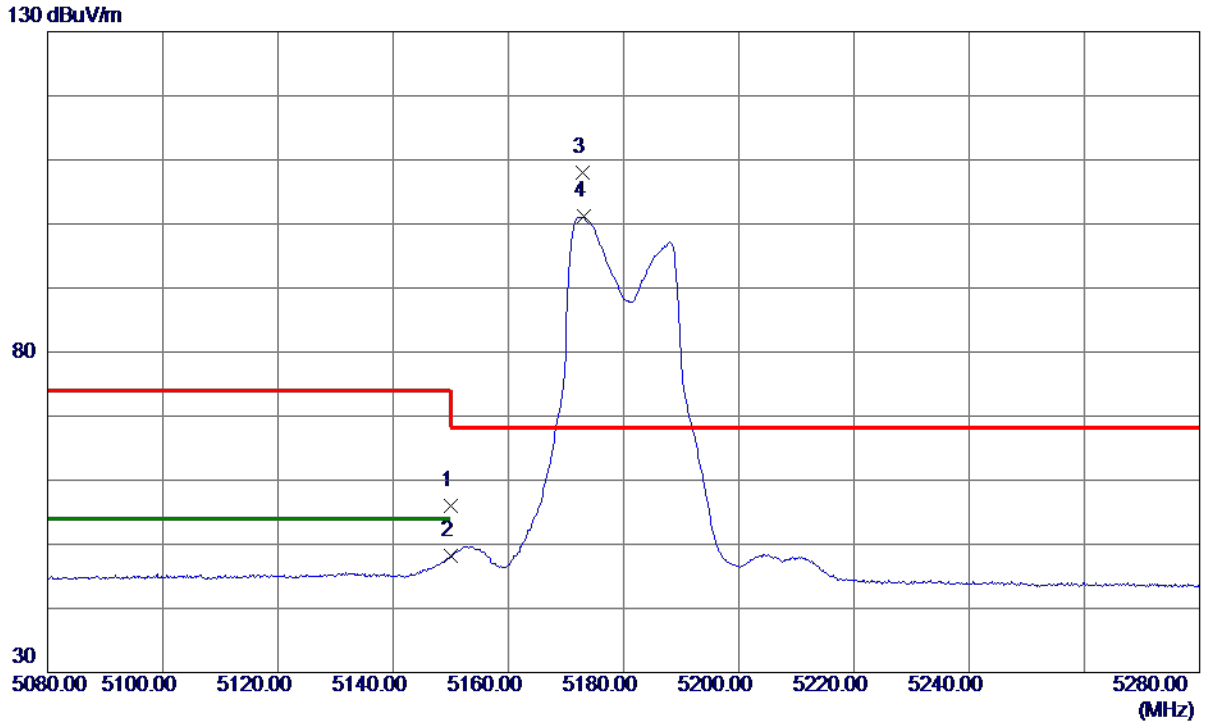


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.9840	39.81	8.77	48.58	68.30	-19.72	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5180 MHz

Horizontal

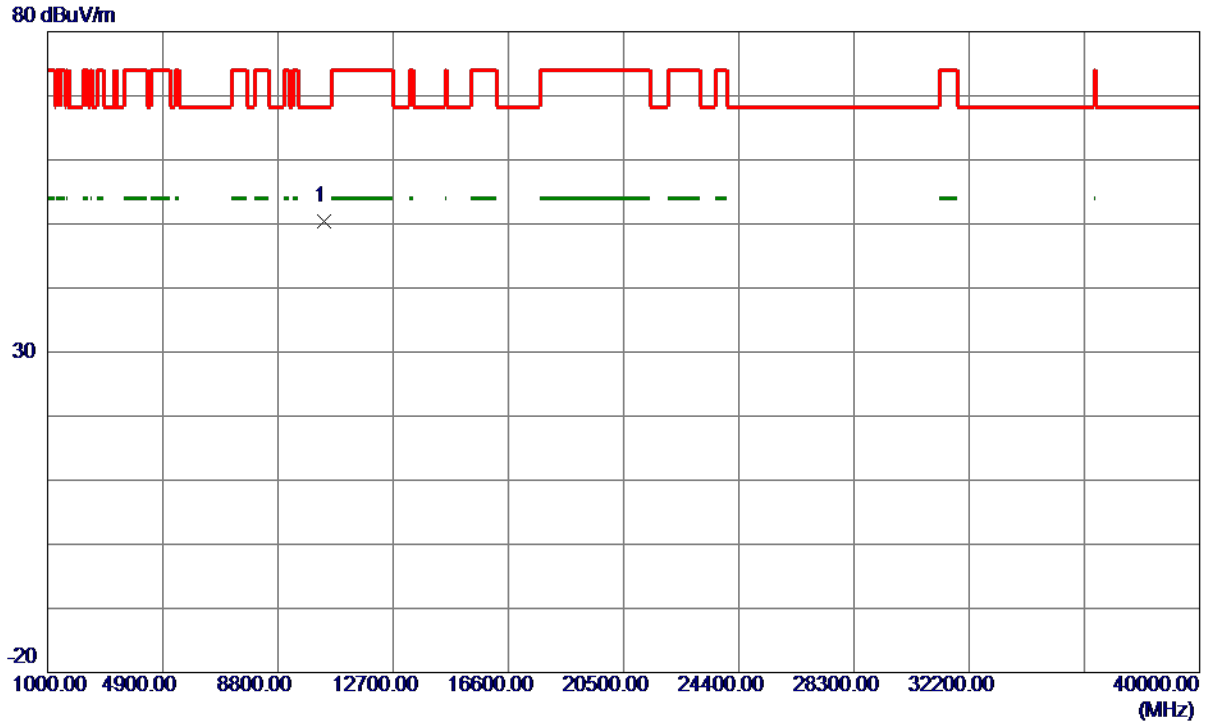


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	40.97	15.02	55.99	74.00	-18.01	Peak	
2	5150.0000	33.21	15.02	48.23	54.00	-5.77	AVG	
3 *	5172.8000	92.87	15.03	107.90	68.30	39.60	Peak	No Limit
4	5173.1000	86.10	15.03	101.13	999.00	-897.87	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5180 MHz

Horizontal

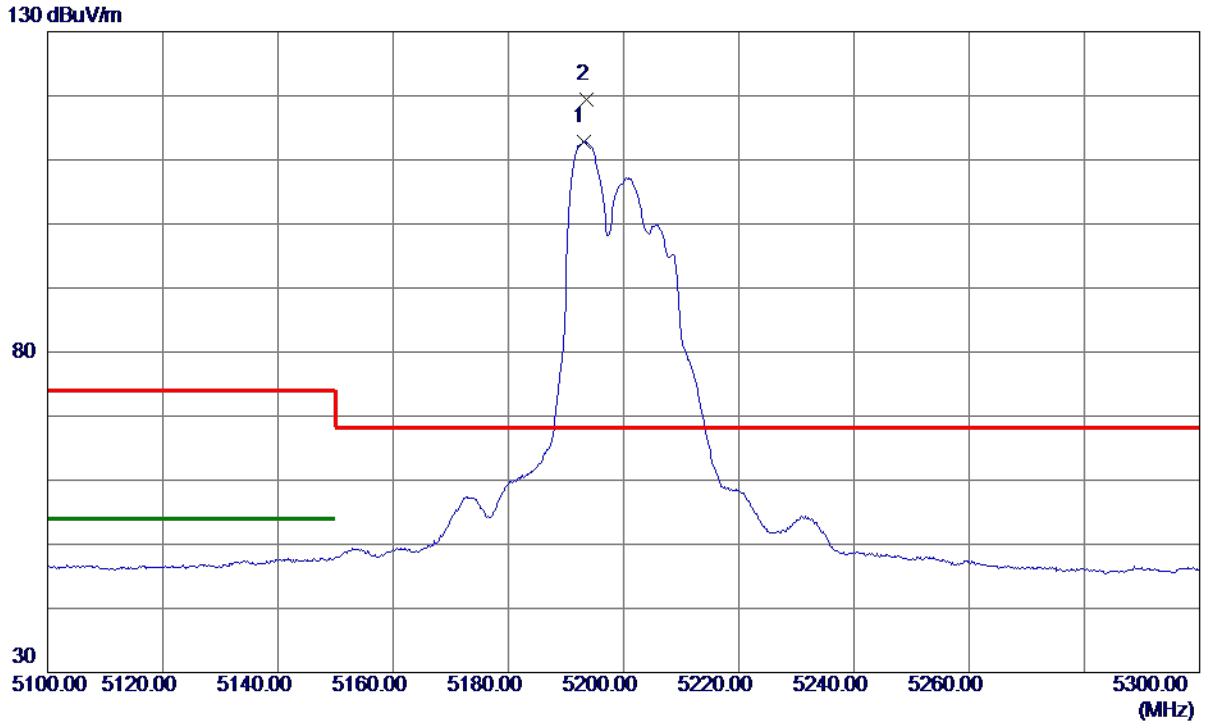


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10359.7800	41.56	8.77	50.33	68.30	-17.97	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5200 MHz

Vertical

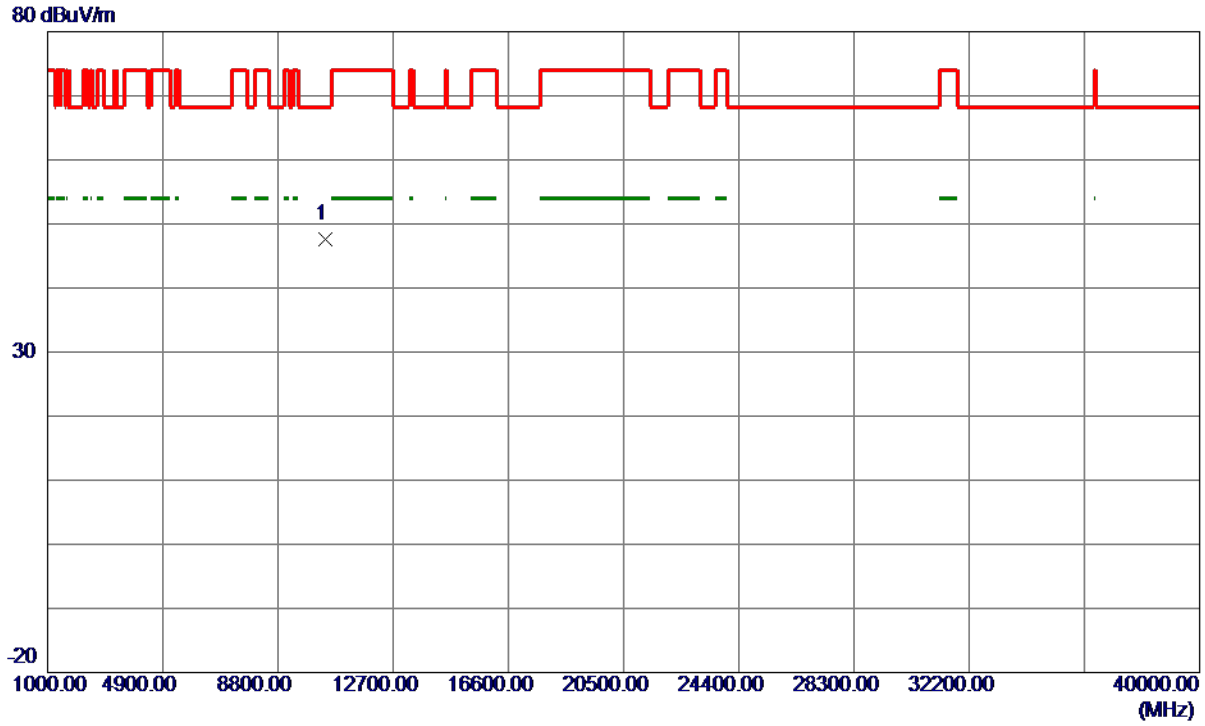


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5193.0000	97.68	15.05	112.73	999.00	-886.27	AVG	No Limit
2 *	5193.5000	104.27	15.05	119.32	68.30	51.02	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5200 MHz

Vertical

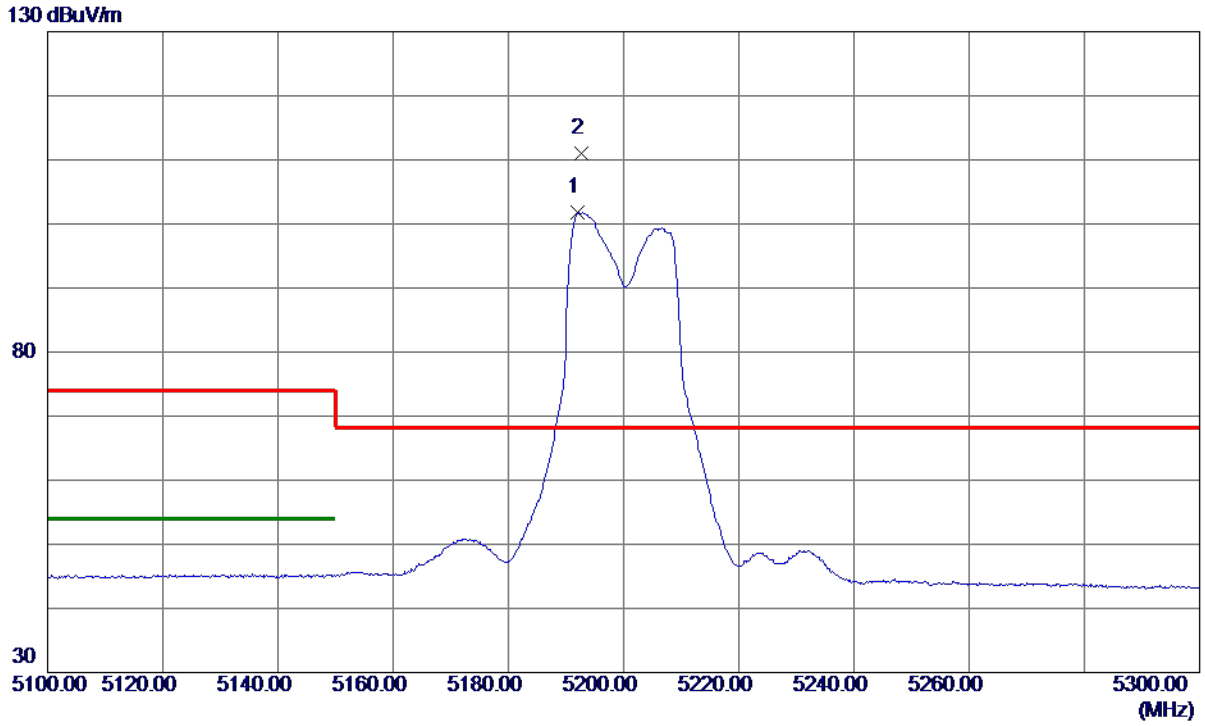


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10400.1660	38.81	8.85	47.66	68.30	-20.64	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5200 MHz

Horizontal

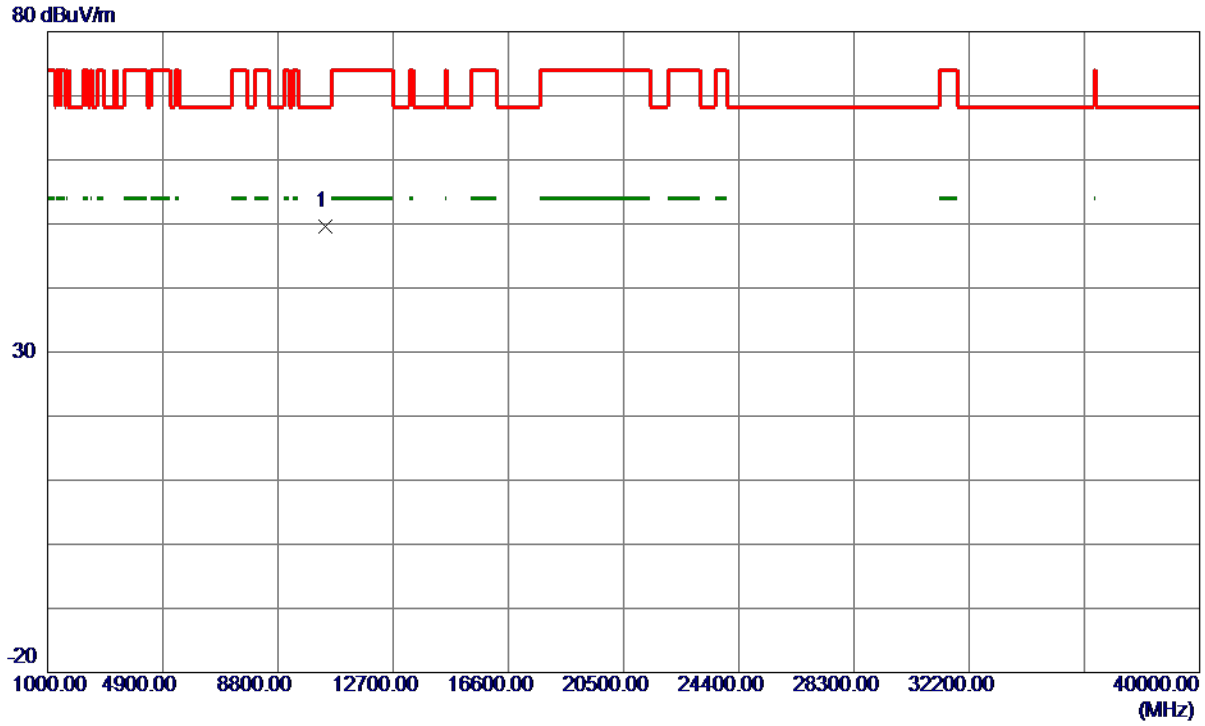


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5192.0000	86.85	15.04	101.89	999.00	-897.11	AVG	No Limit
2 *	5192.6000	95.94	15.04	110.98	68.30	42.68	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5200 MHz

Horizontal

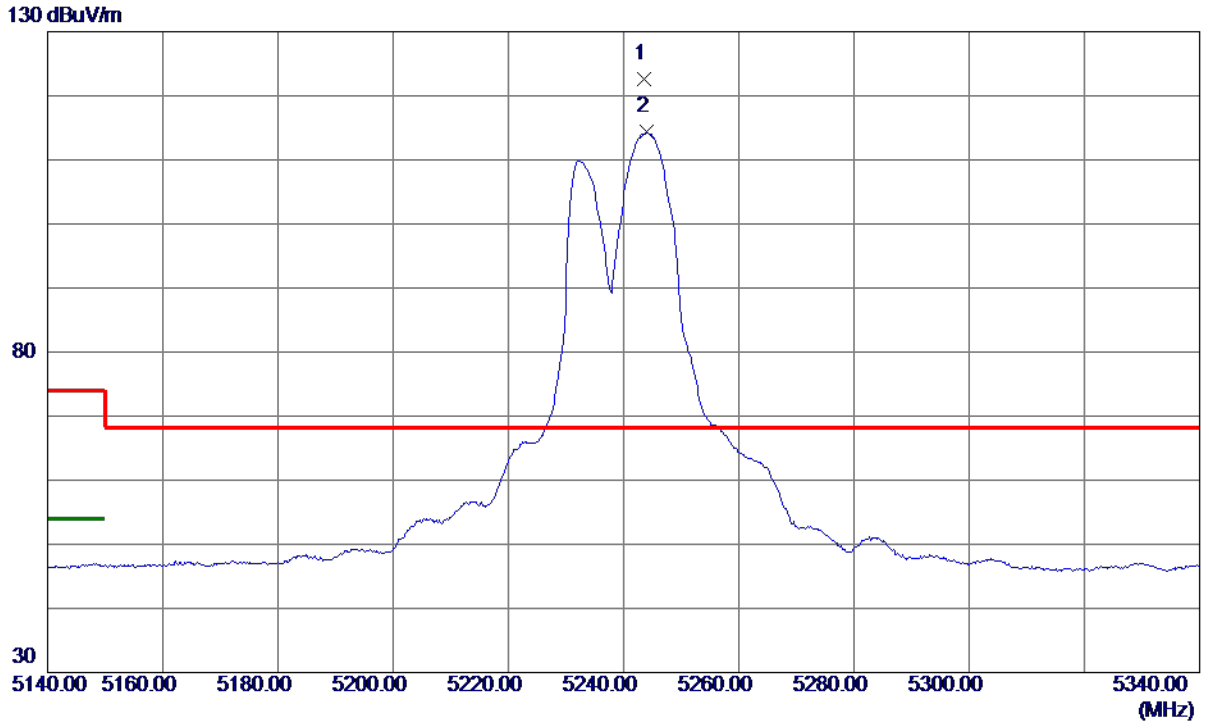


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10399.9390	40.70	8.85	49.55	68.30	-18.75	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5240 MHz

Vertical

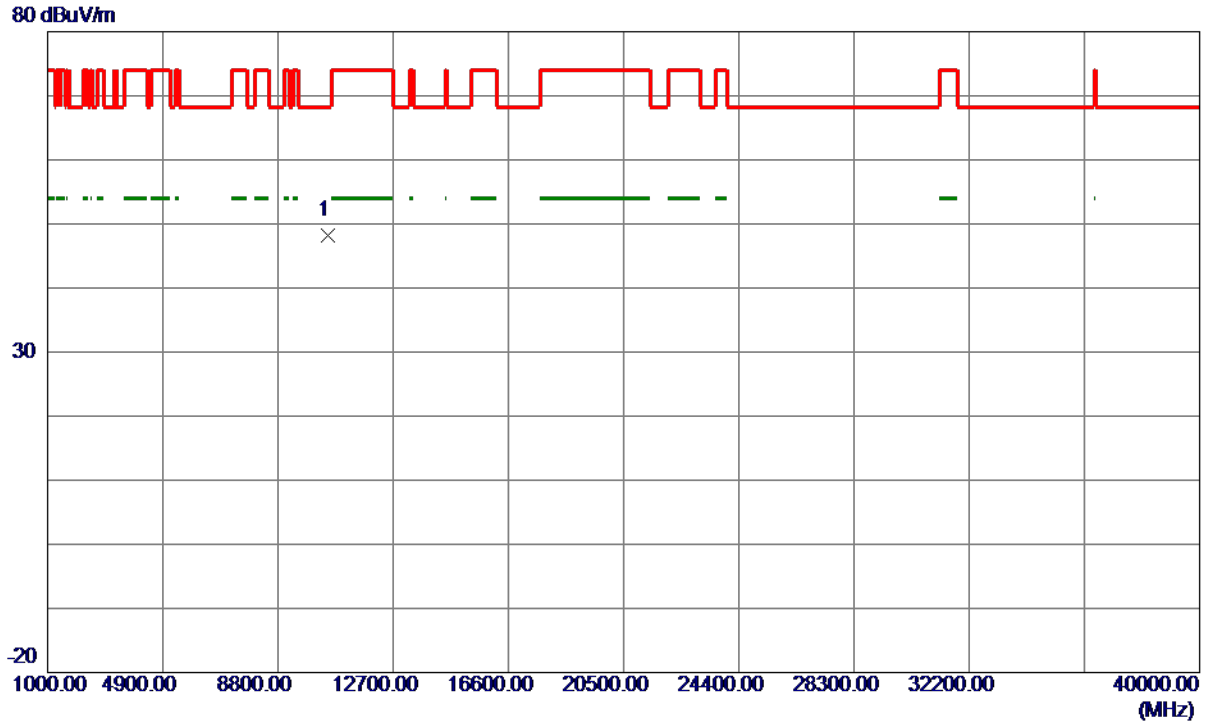


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5243.5000	107.59	15.08	122.67	68.30	54.37	Peak	No Limit
2	5244.1000	99.31	15.08	114.39	999.00	-884.61	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5240 MHz

Vertical

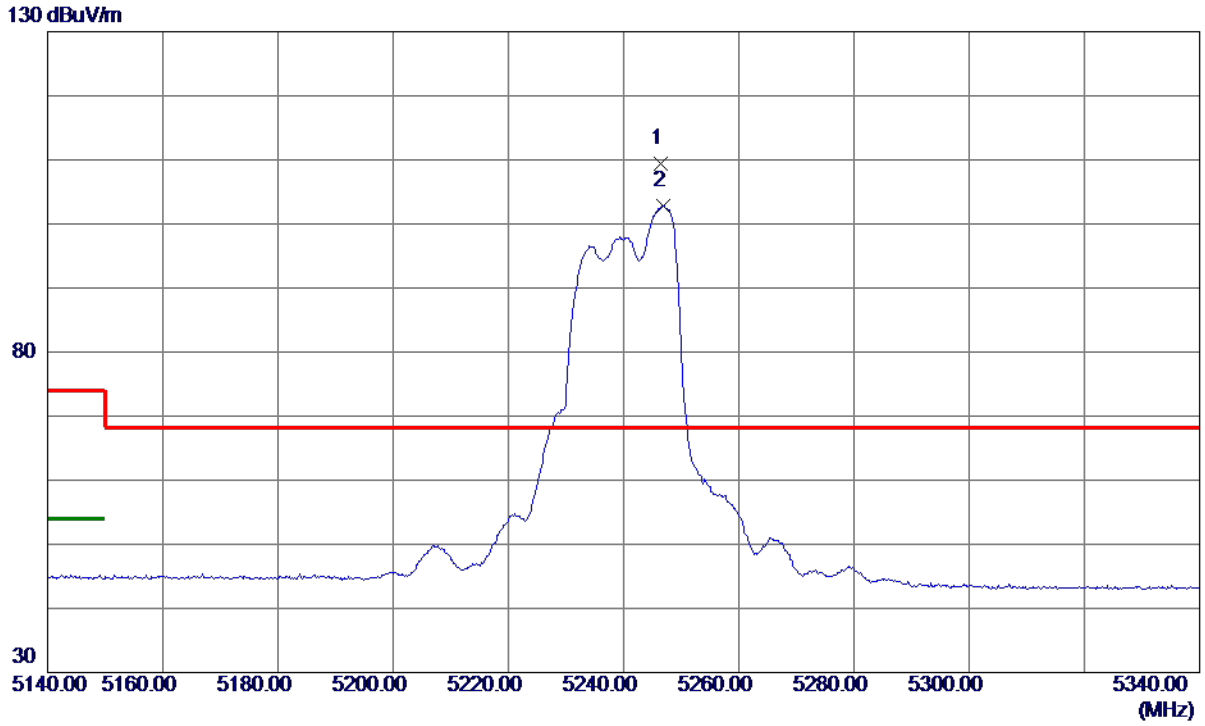


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.0490	39.27	9.02	48.29	68.30	-20.01	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5240 MHz

Horizontal

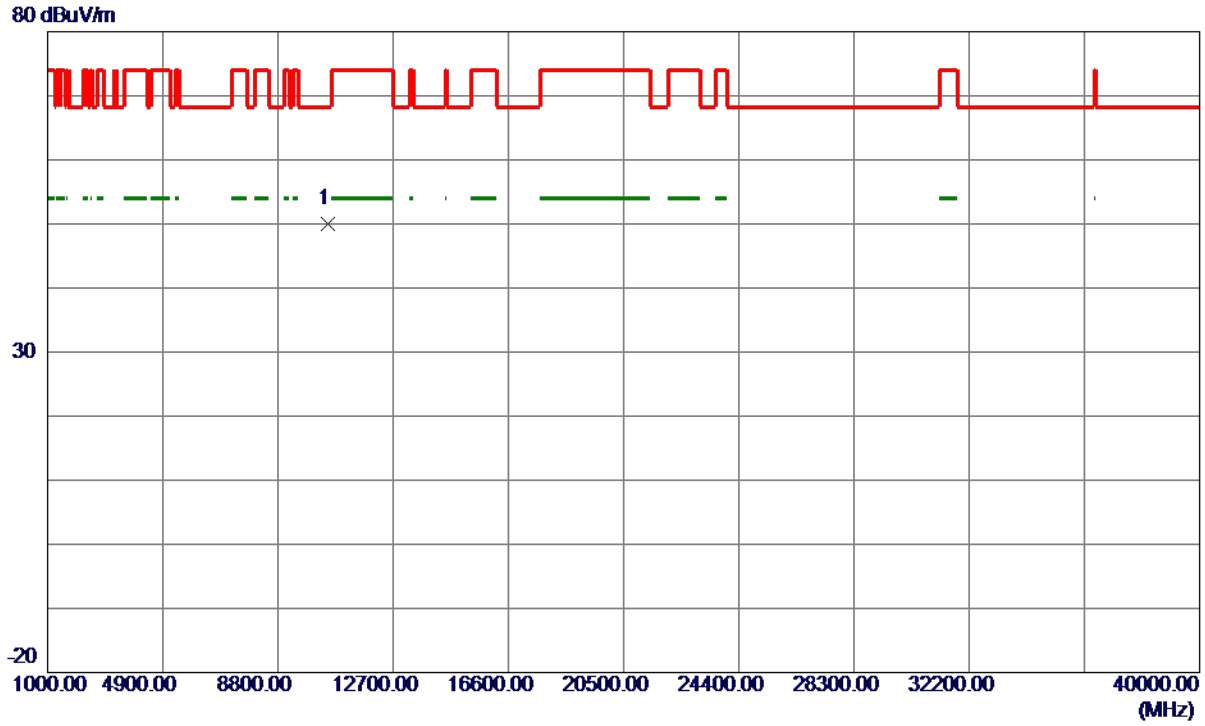


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	5246.5000	94.25	15.08	109.33	68.30	41.03	Peak	No Limit
2	5246.9000	87.79	15.08	102.87	999.00	-896.13	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT20) Mode 5240 MHz

Horizontal

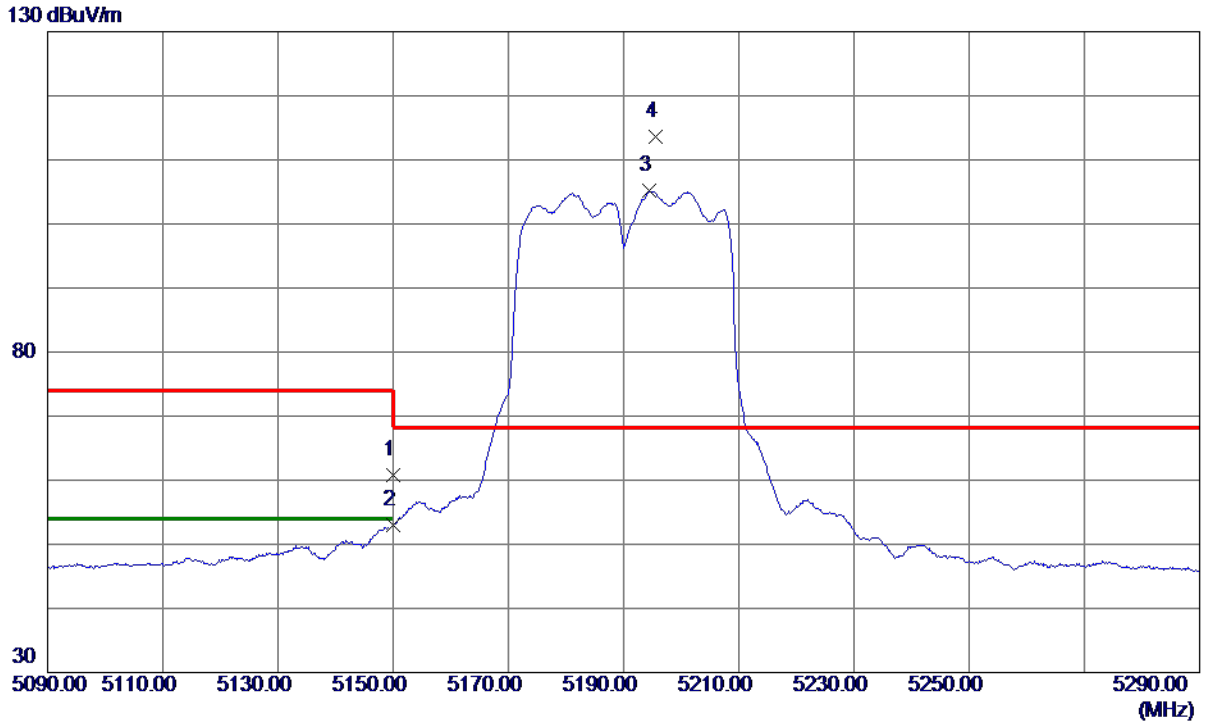


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10480.1210	41.06	9.02	50.08	68.30	-18.22	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5190 MHz

Vertical

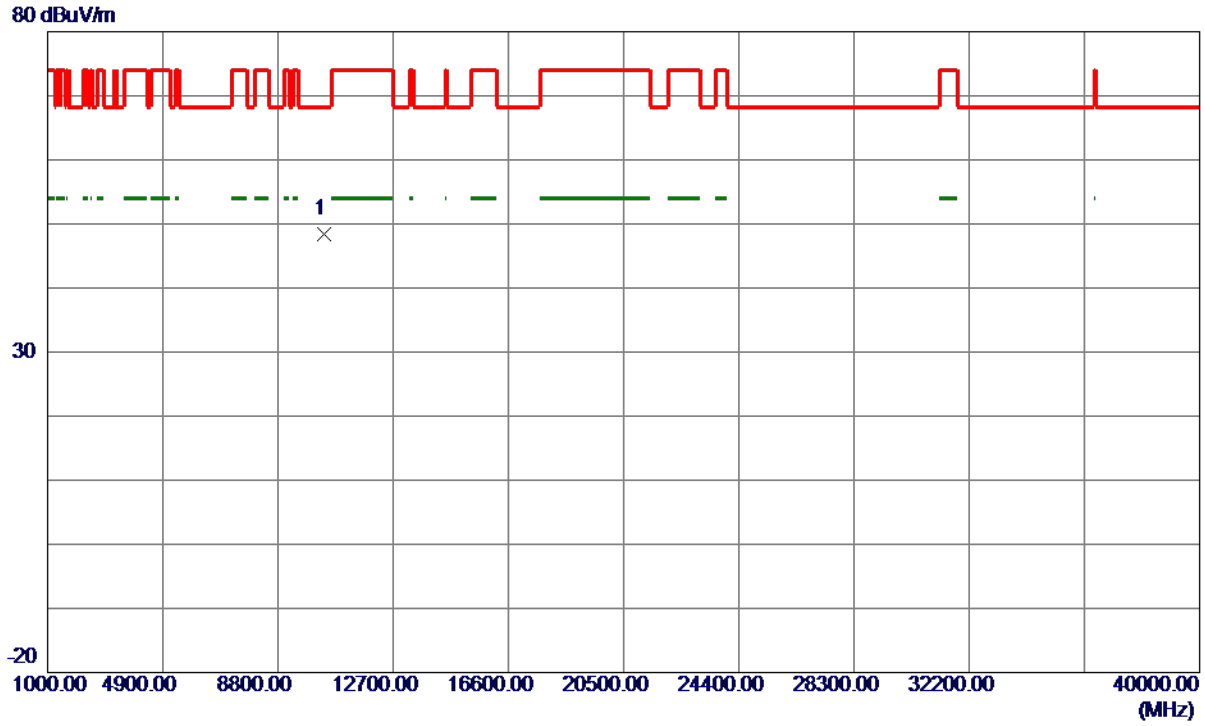


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	45.72	15.02	60.74	74.00	-13.26	Peak	
2	5150.0000	37.94	15.02	52.96	54.00	-1.04	AVG	
3	5194.5000	90.11	15.05	105.16	999.00	-893.84	AVG	No Limit
4 *	5195.6000	98.56	15.05	113.61	68.30	45.31	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5190 MHz

Vertical

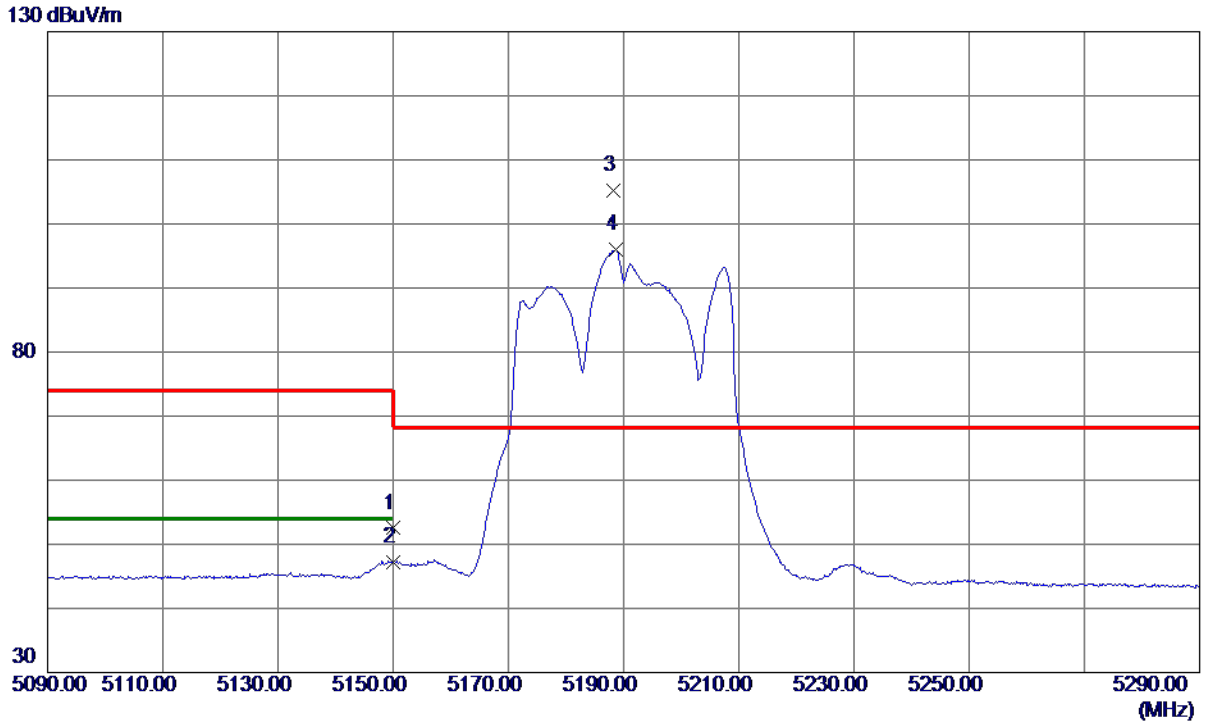


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10380.0420	39.51	8.81	48.32	68.30	-19.98	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5190 MHz

Horizontal

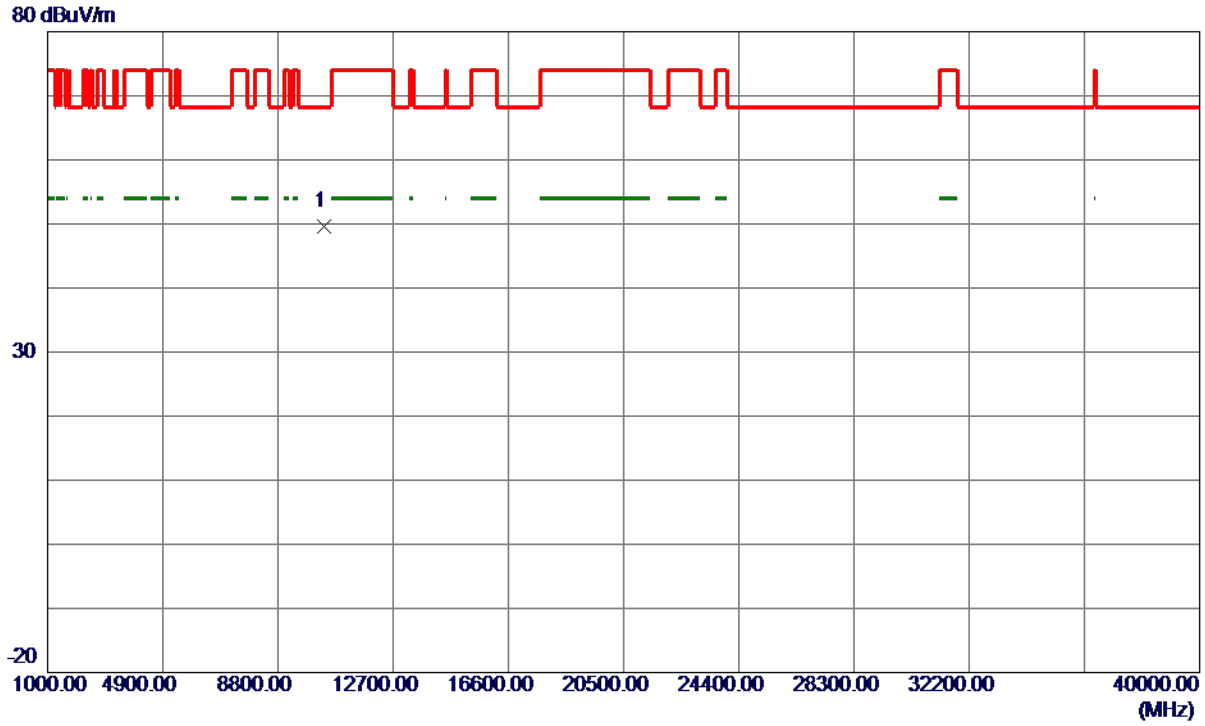


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	37.48	15.02	52.50	74.00	-21.50	Peak	
2	5150.0000	32.25	15.02	47.27	54.00	-6.73	AVG	
3 *	5188.3000	90.09	15.04	105.13	68.30	36.83	Peak	No Limit
4	5188.7000	80.92	15.04	95.96	999.00	-903.04	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5190 MHz

Horizontal

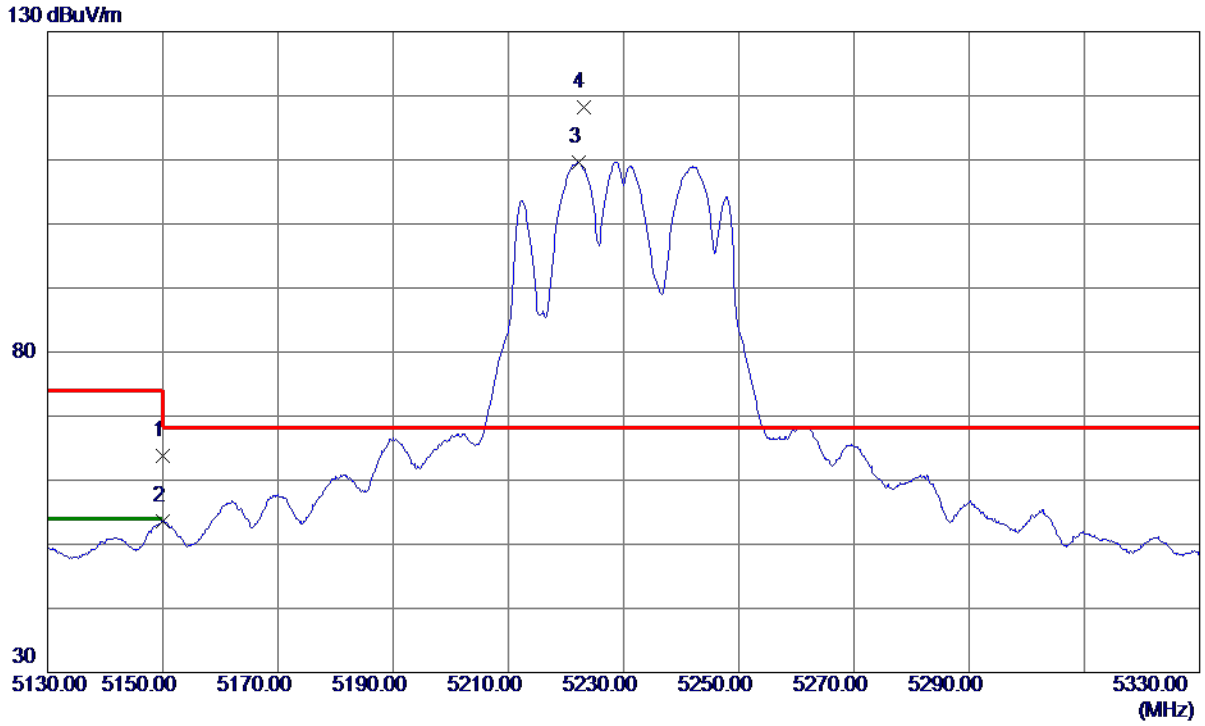


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10379.9150	40.84	8.81	49.65	68.30	-18.65	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5230 MHz

Vertical

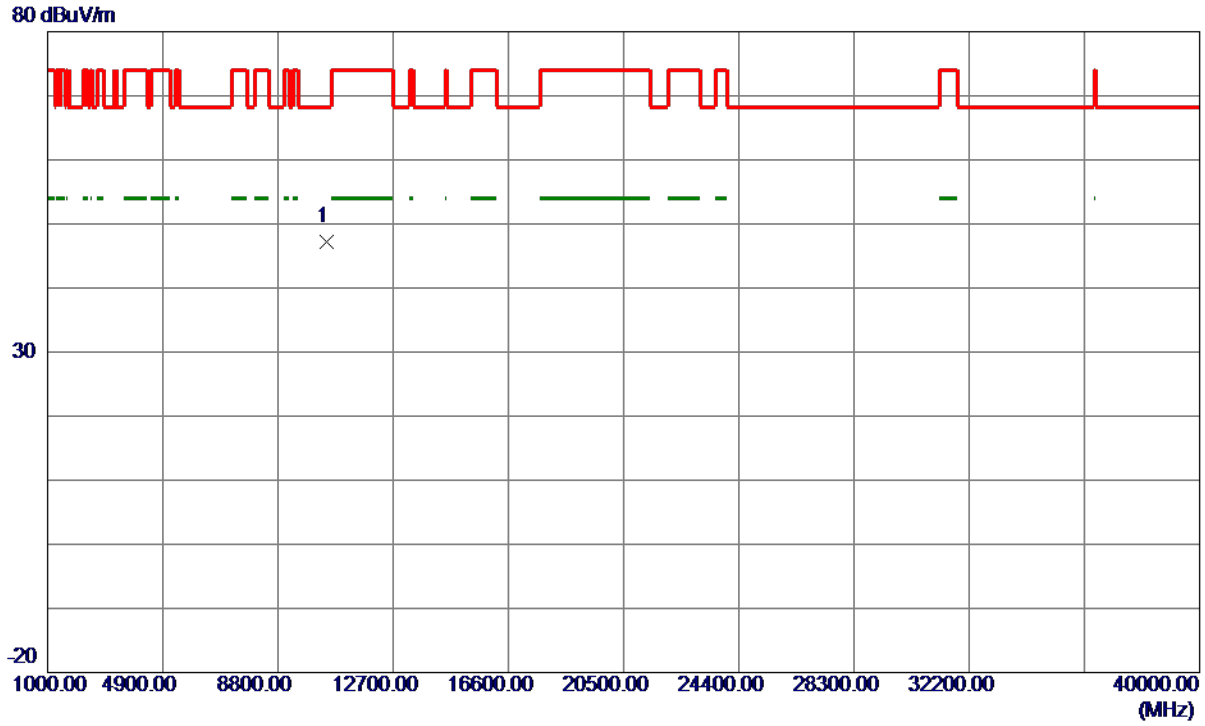


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	48.75	15.02	63.77	74.00	-10.23	Peak	
2	5150.0000	38.56	15.02	53.58	54.00	-0.42	AVG	
3	5222.2000	94.58	15.07	109.65	999.00	-889.35	AVG	No Limit
4 *	5223.0000	103.11	15.07	118.18	68.30	49.88	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5230 MHz

Vertical

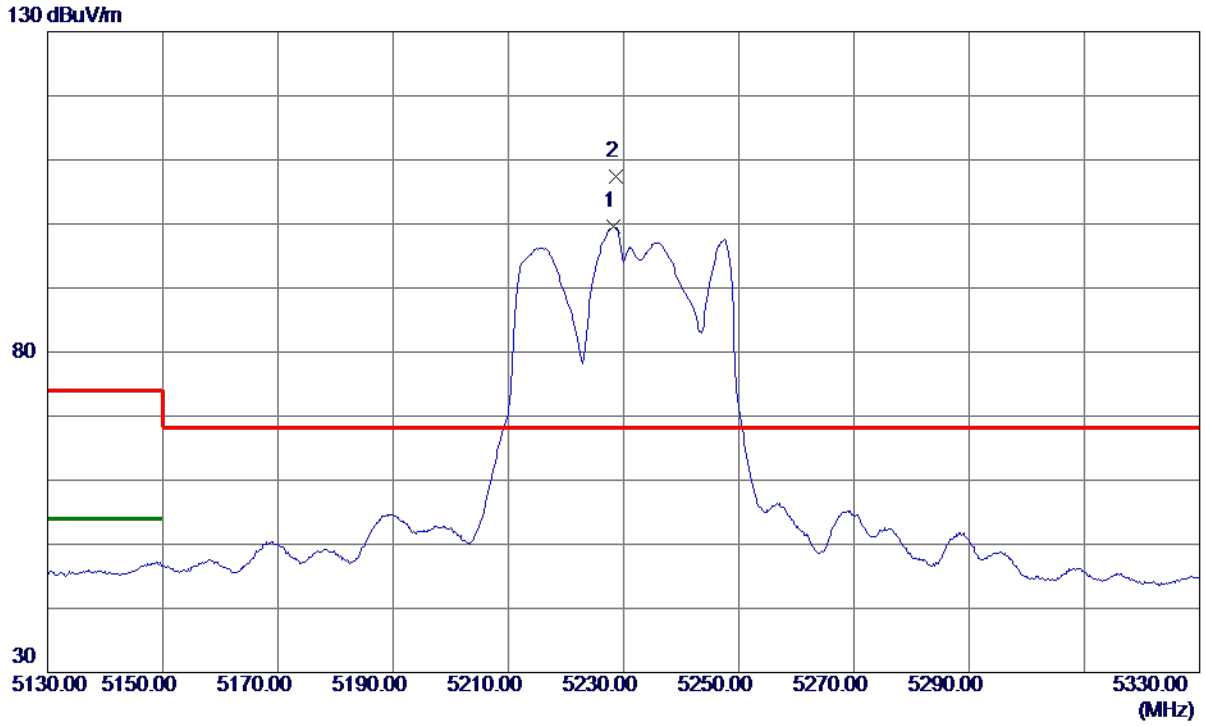


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10460.0020	38.29	8.98	47.27	68.30	-21.03	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5230 MHz

Horizontal

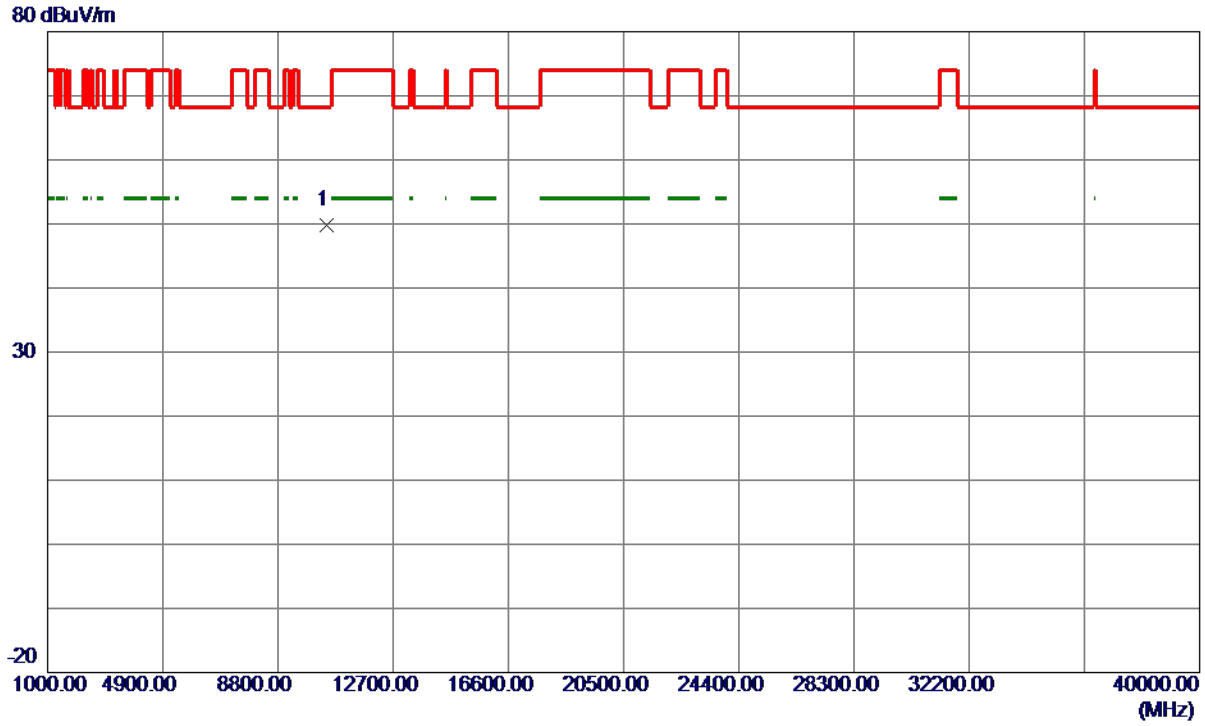


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5228.3000	84.44	15.07	99.51	999.00	-899.49	AVG	No Limit
2 *	5228.6000	92.27	15.07	107.34	68.30	39.04	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT40) Mode 5230 MHz

Horizontal

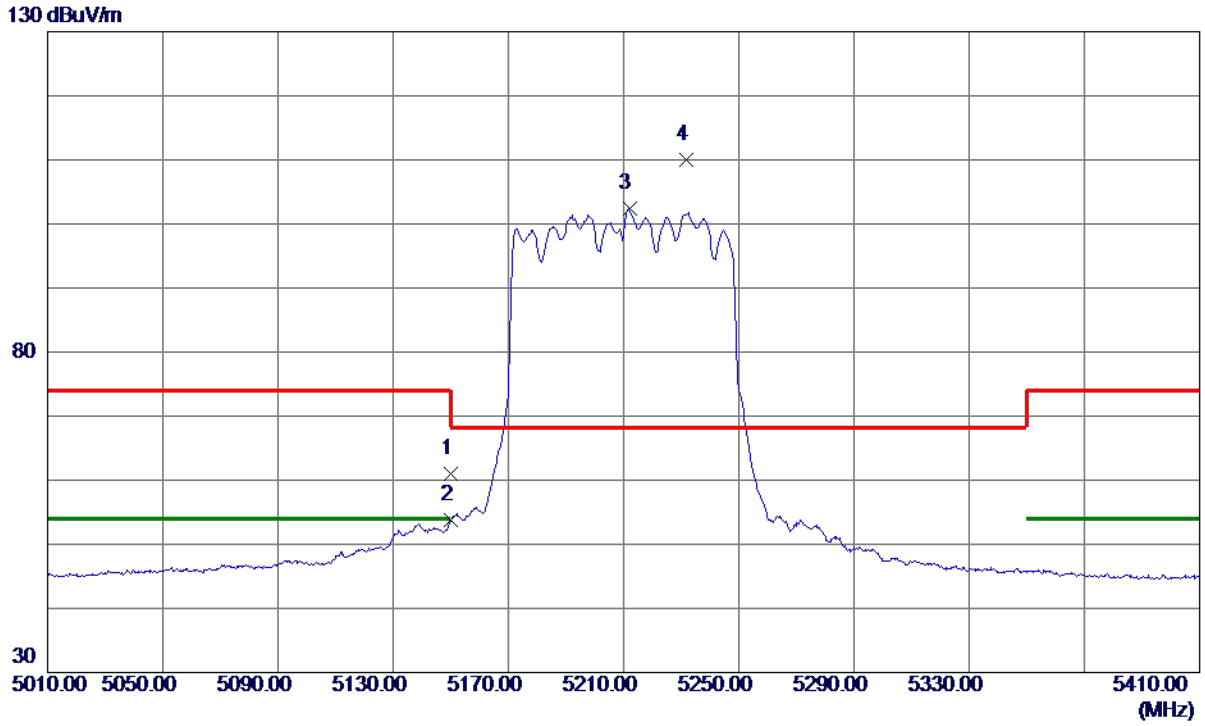


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10459.8510	40.75	8.98	49.73	68.30	-18.57	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT80) Mode 5210 MHz

Vertical

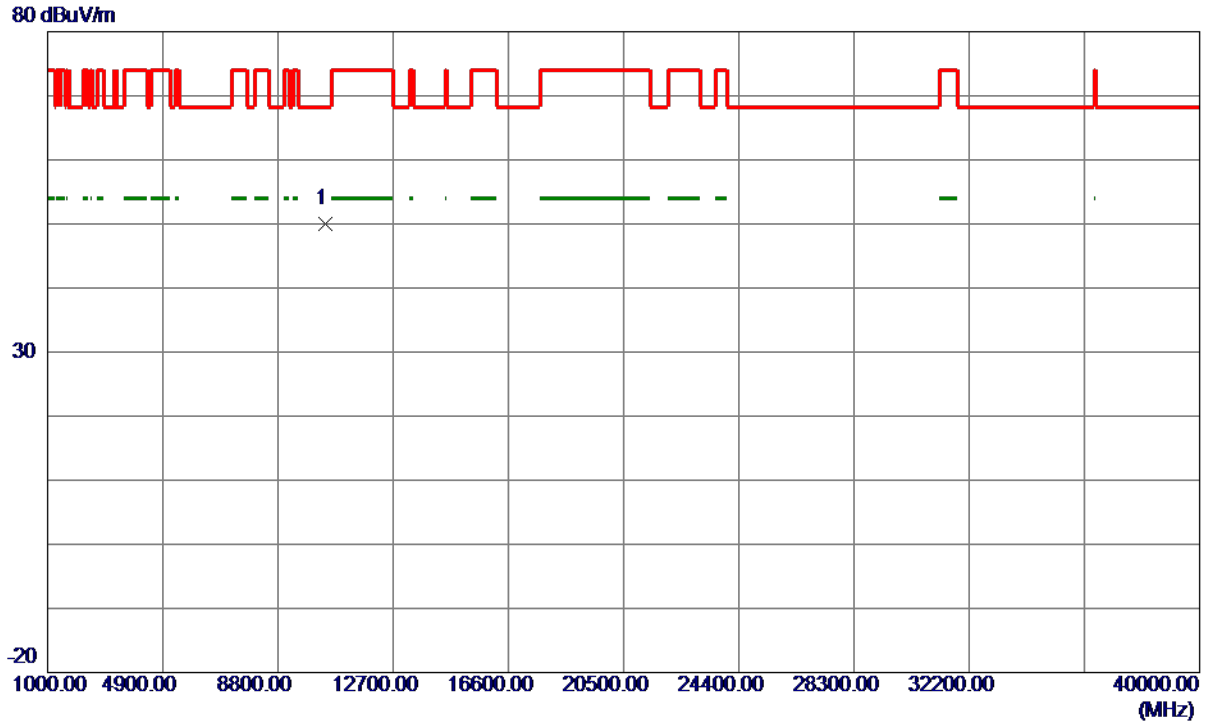


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	45.90	15.02	60.92	74.00	-13.08	Peak	
2	5150.0000	38.69	15.02	53.71	54.00	-0.29	AVG	
3	5212.0000	87.39	15.06	102.45	999.00	-896.55	AVG	No Limit
4 *	5231.6000	94.99	15.07	110.06	68.30	41.76	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT80) Mode 5210 MHz

Vertical

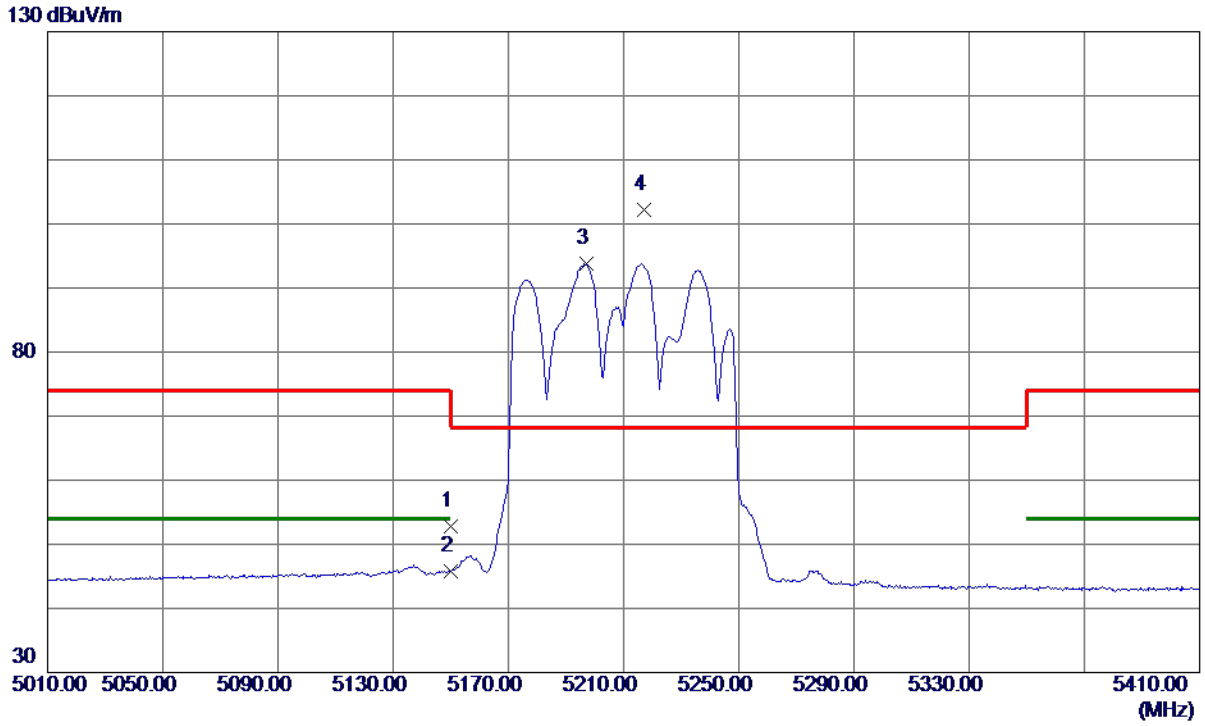


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10419.9200	41.02	8.89	49.91	68.30	-18.39	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT80) Mode 5210 MHz

Horizontal

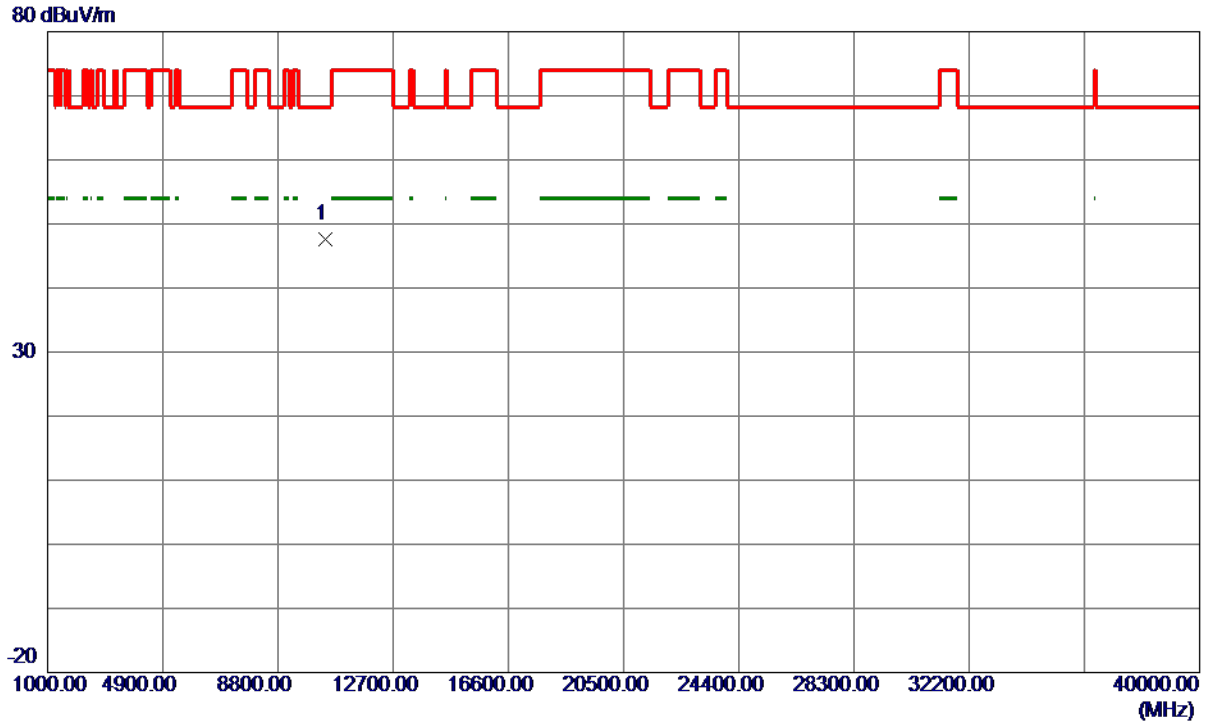


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	37.80	15.02	52.82	74.00	-21.18	Peak	
2	5150.0000	30.85	15.02	45.87	54.00	-8.13	AVG	
3	5197.0000	78.81	15.05	93.86	999.00	-905.14	AVG	No Limit
4 *	5217.2000	87.20	15.06	102.26	68.30	33.96	Peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AC (VHT80) Mode 5210 MHz

Horizontal

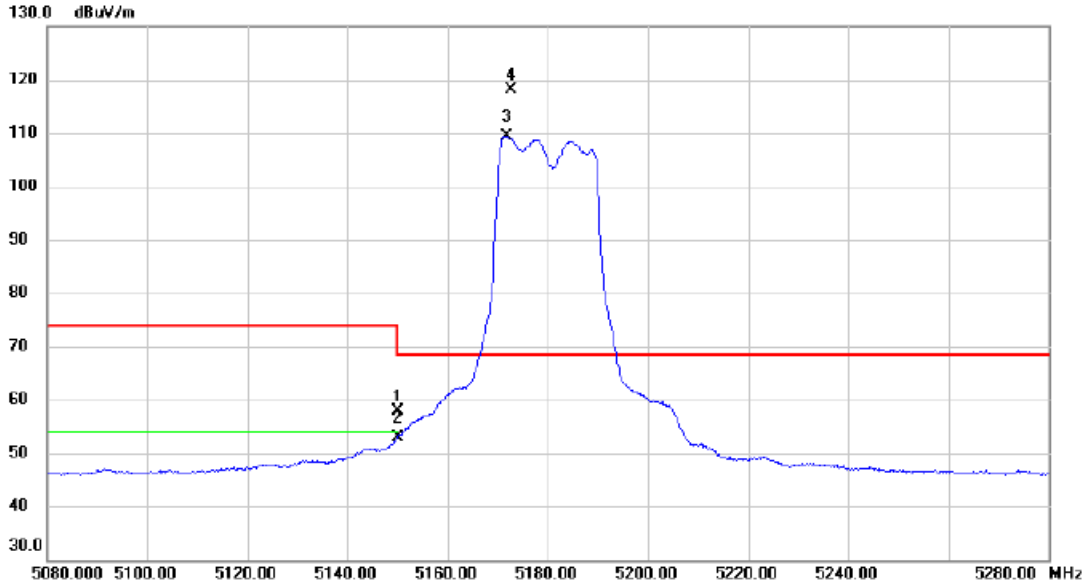


No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	10419.7690	38.80	8.89	47.69	68.30	-20.61	Peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5180 MHz

Vertical

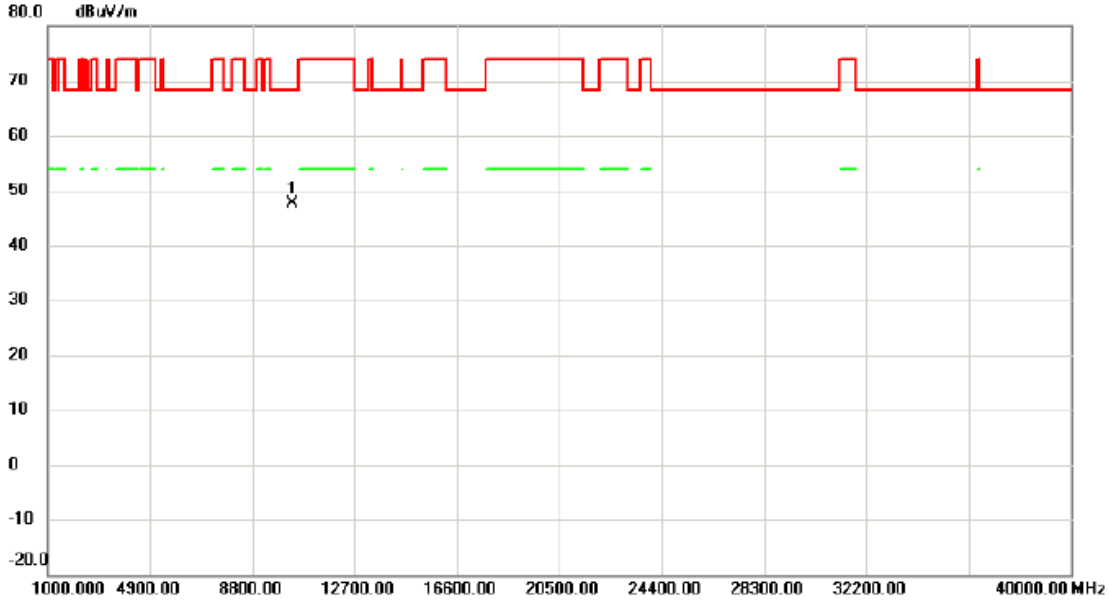


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	42.80	15.02	57.82	74.00	-16.18	peak	
2		5150.000	37.84	15.02	52.86	54.00	-1.14	AVG	
3	X	5171.800	94.40	15.03	109.43	68.30	41.13	AVG	No Limit
4	*	5172.600	103.22	15.02	118.24	68.30	49.94	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5180 MHz

Vertical

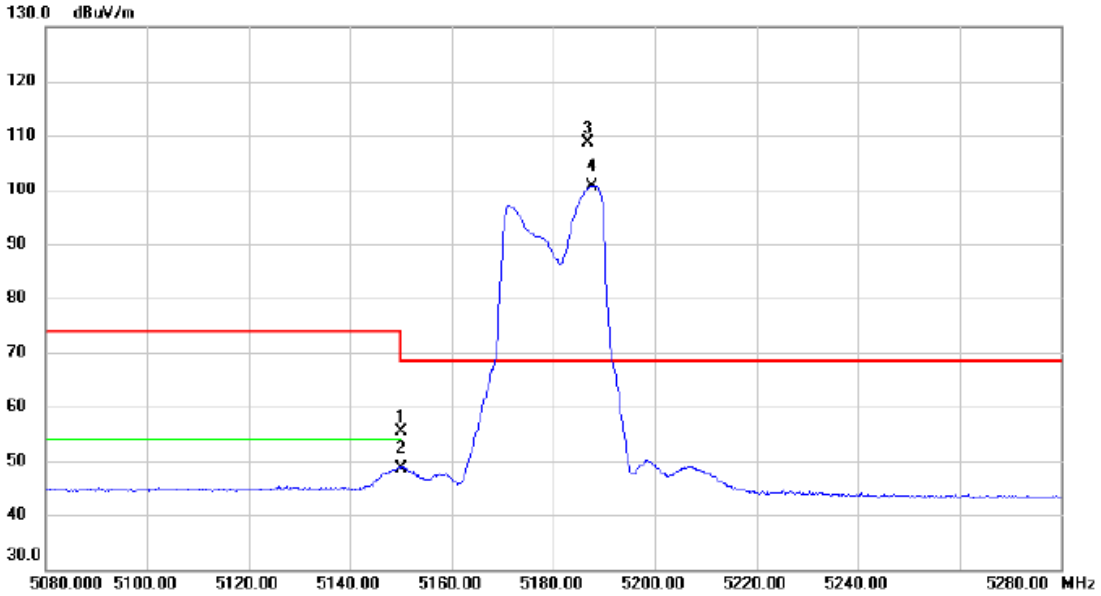


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10359.908	38.89	8.77	47.66	68.30	-20.64	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5180 MHz

Horizontal

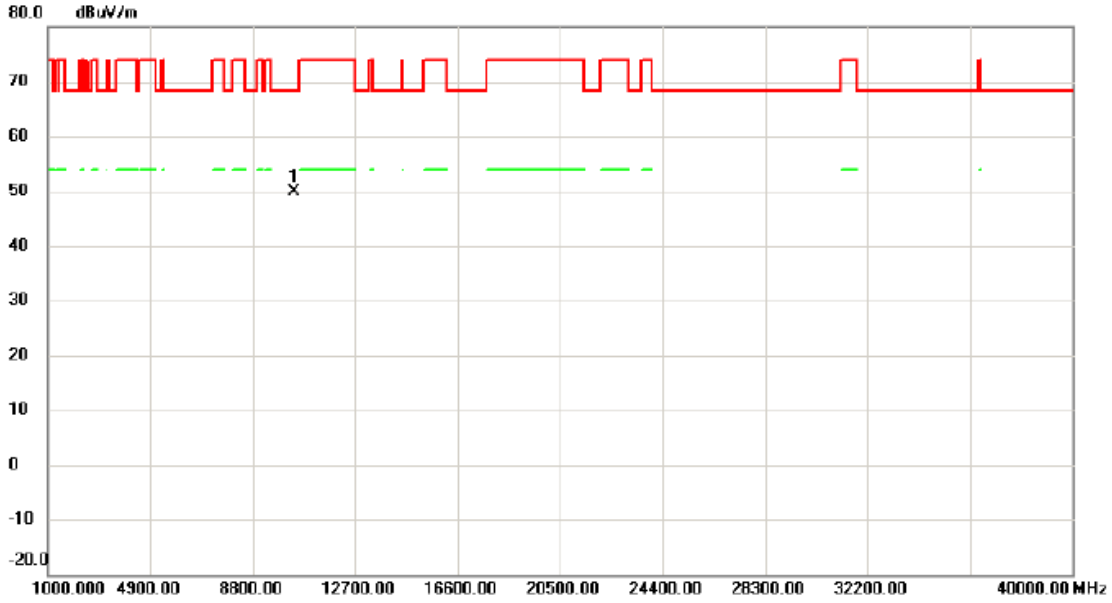


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	40.35	15.02	55.37	74.00	-18.63	peak	
2		5150.000	33.62	15.02	48.64	54.00	-5.36	AVG	
3	*	5186.800	93.54	15.04	108.58	68.30	40.28	peak	No Limit
4	X	5187.600	85.67	15.04	100.71	68.30	32.41	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5180 MHz

Horizontal

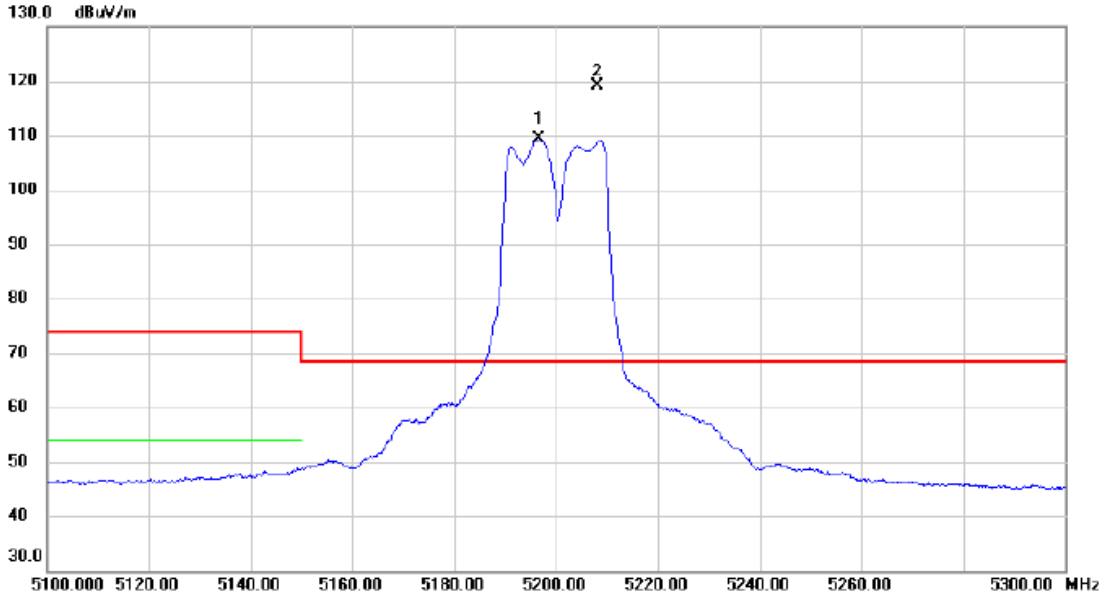


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10360.117	41.06	8.77	49.83	68.30	-18.47	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5200 MHz

Vertical

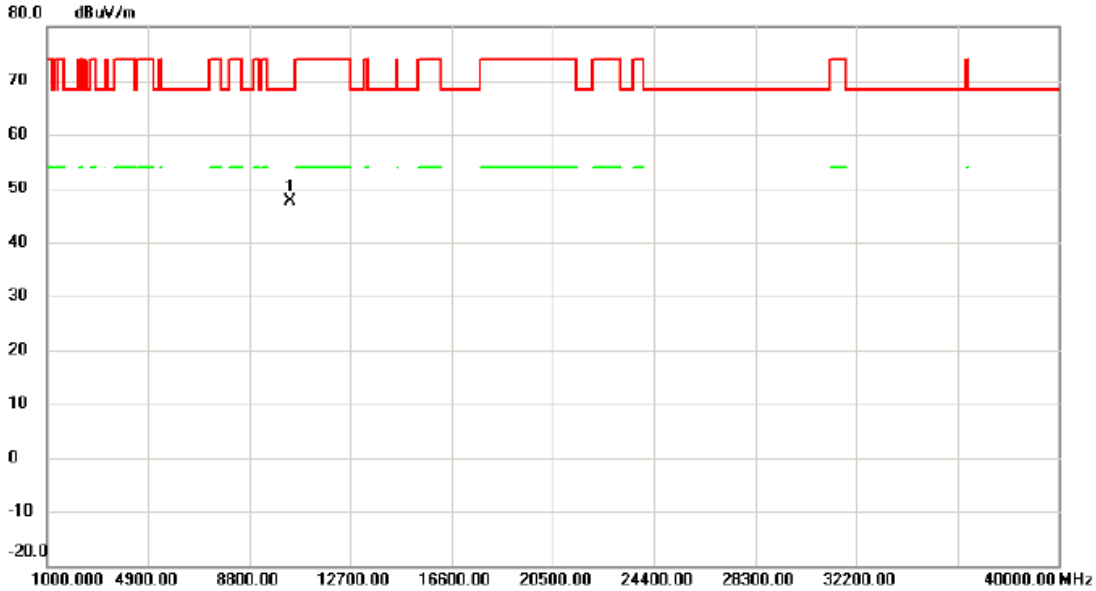


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5196.600	94.43	15.05	109.48	68.30	41.18	AVG	No Limit
2	*	5208.200	104.18	15.05	119.23	68.30	50.93	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5200 MHz

Vertical

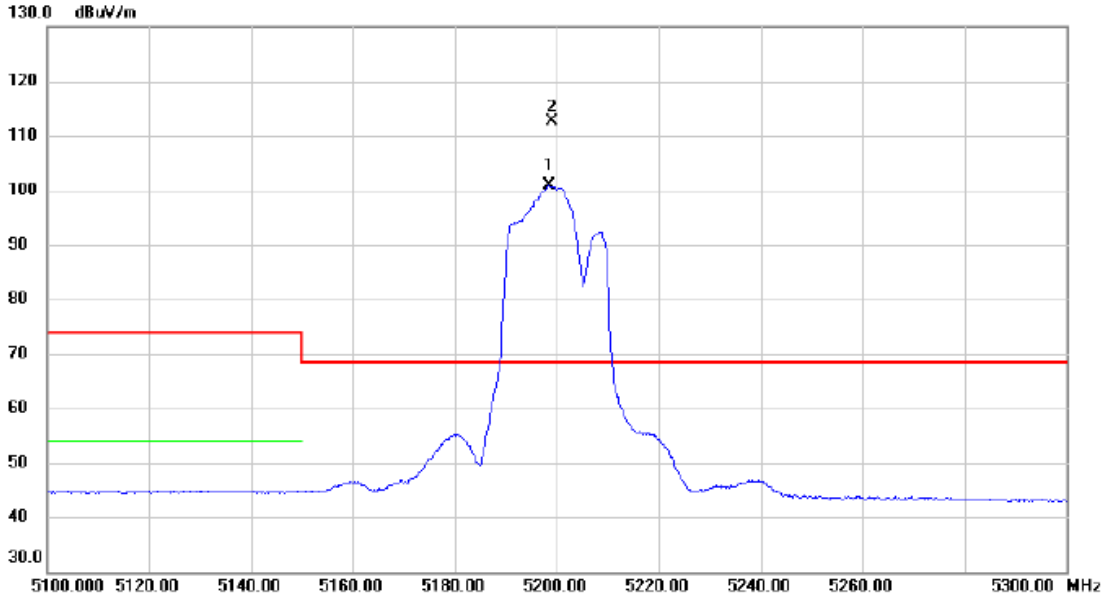


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10400.059	38.87	8.85	47.72	68.30	-20.58	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5200 MHz

Horizontal

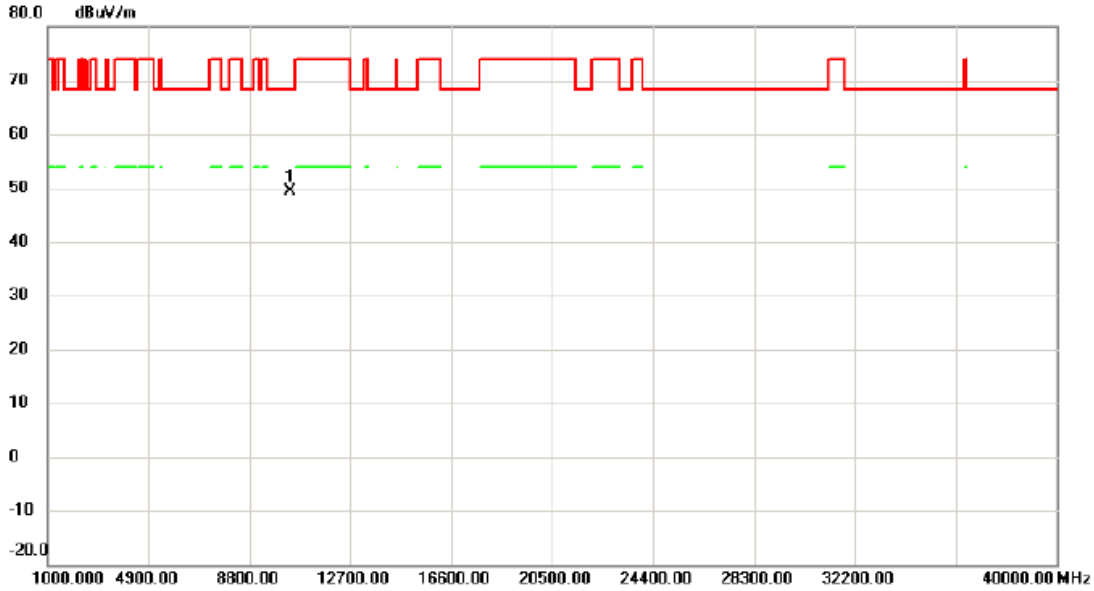


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5198.600	85.82	15.05	100.87	68.30	32.57	AVG	No Limit
2	*	5199.000	97.59	15.05	112.64	68.30	44.34	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5200 MHz

Horizontal

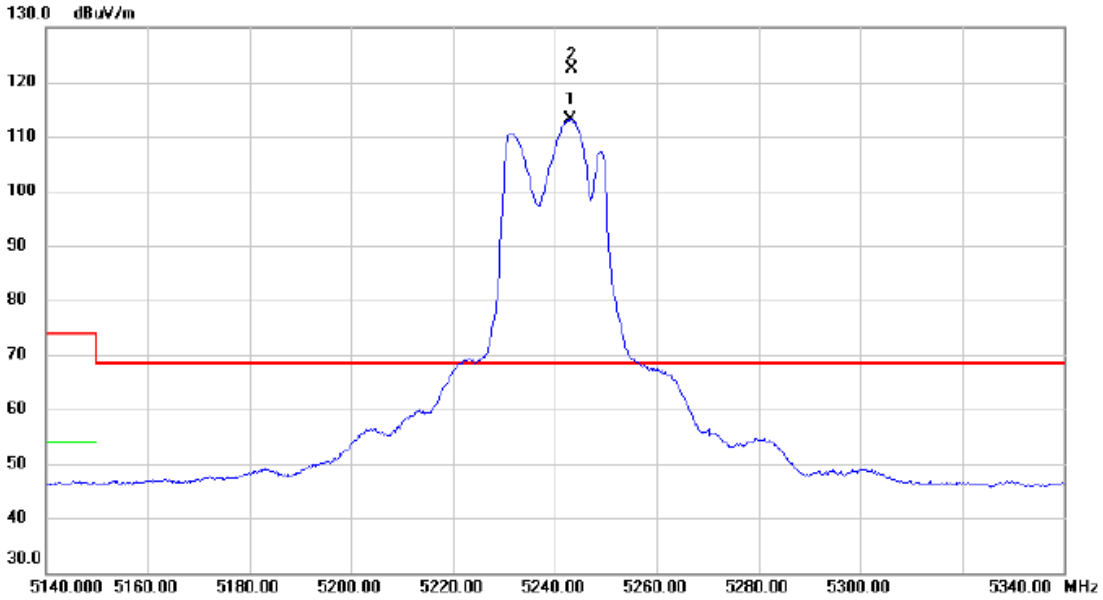


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10399.985	40.47	8.85	49.32	68.30	-18.98	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5240 MHz

Vertical

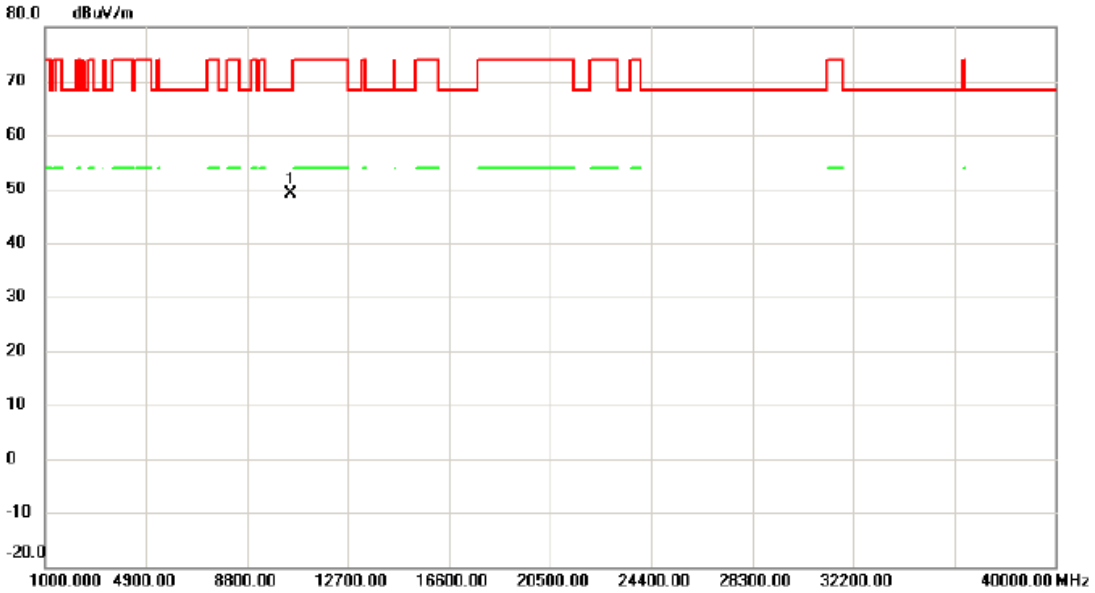


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5243.100	98.07	15.08	113.15	68.30	44.85	AVG	No Limit
2	*	5243.300	107.39	15.08	122.47	68.30	54.17	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5240 MHz

Vertical

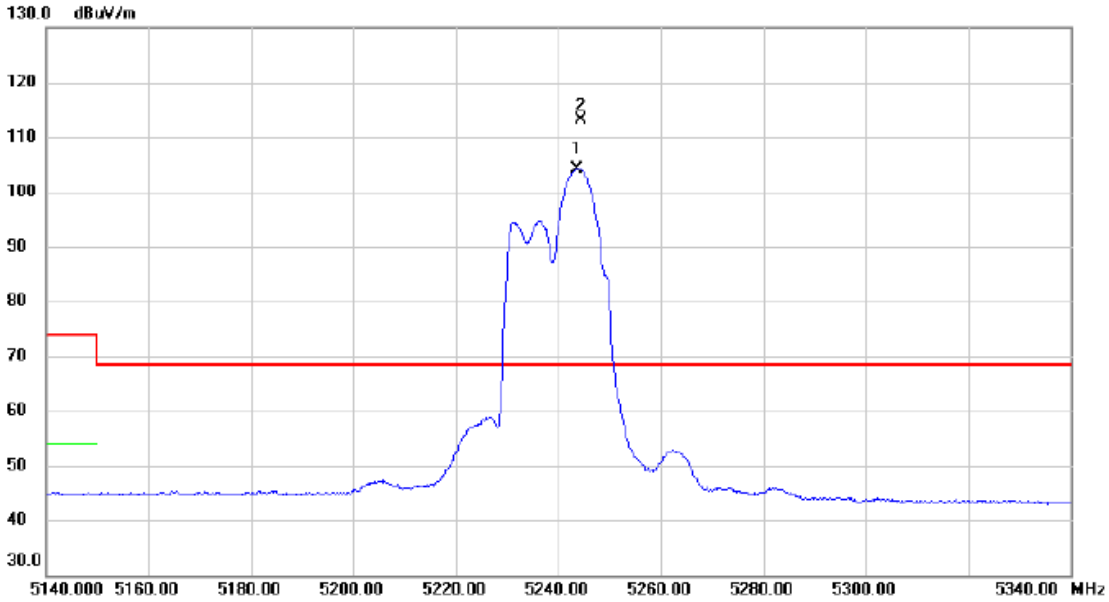


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.040	40.18	9.01	49.19	68.30	-19.11	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5240 MHz

Horizontal

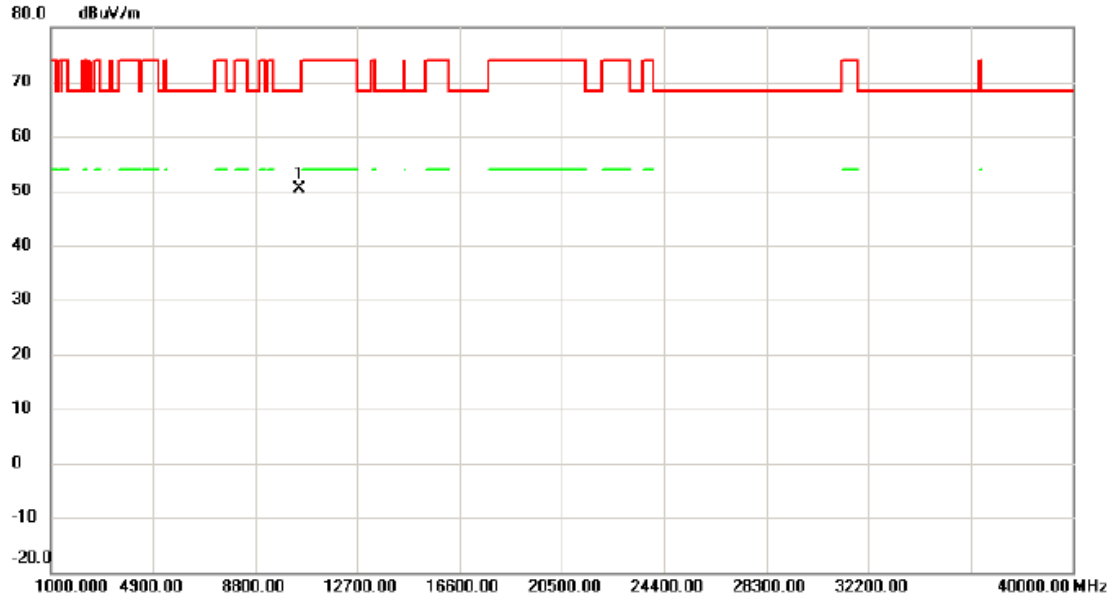


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5243.600	89.17	15.08	104.25	68.30	35.95	AVG	No Limit
2	*	5244.300	98.08	15.08	113.16	68.30	44.86	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW20) Mode 5240 MHz

Horizontal

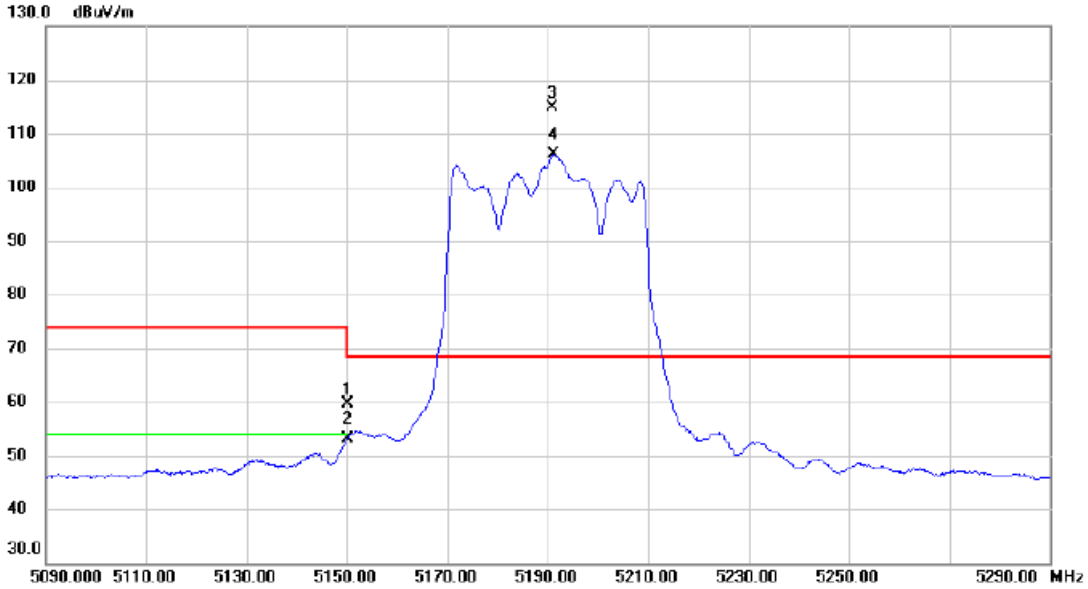


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10480.107	41.38	9.01	50.39	68.30	-17.91	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5190 MHz

Vertical

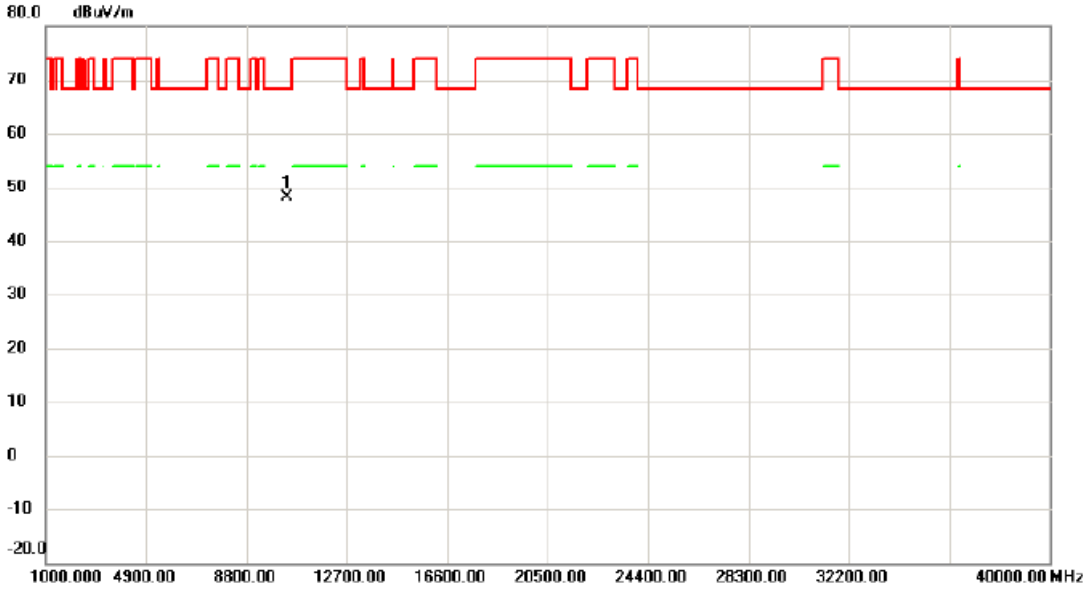


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	44.65	15.02	59.67	74.00	-14.33	peak	
2		5150.000	38.07	15.02	53.09	54.00	-0.91	AVG	
3	*	5191.000	99.77	15.04	114.81	68.30	46.51	peak	No Limit
4	X	5191.300	91.01	15.04	106.05	68.30	37.75	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5190 MHz

Vertical

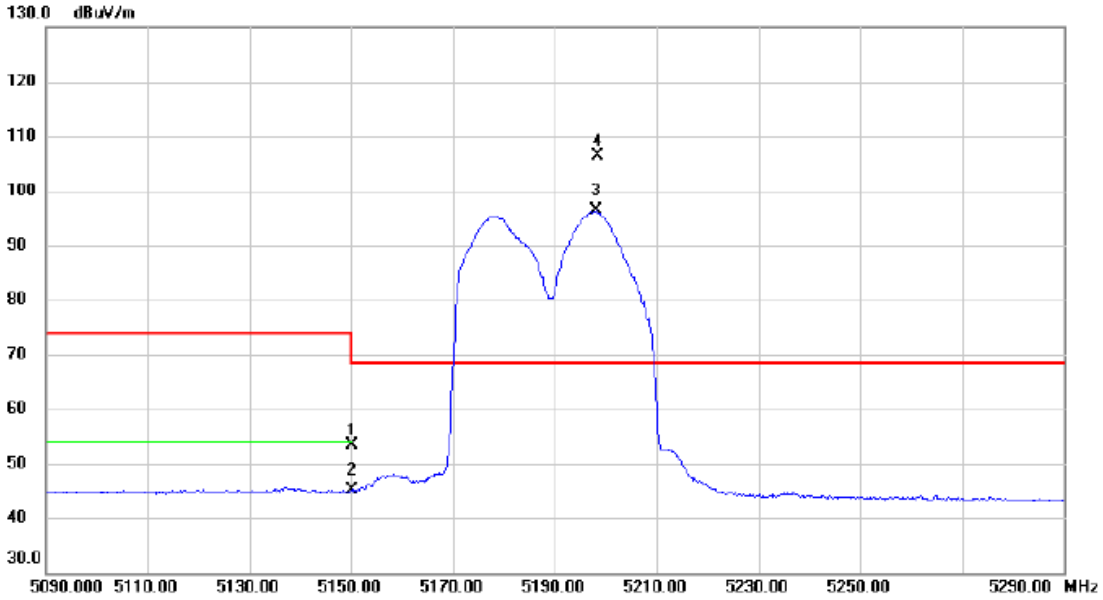


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10379.946	39.33	8.80	48.13	68.30	-20.17	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5190 MHz

Horizontal

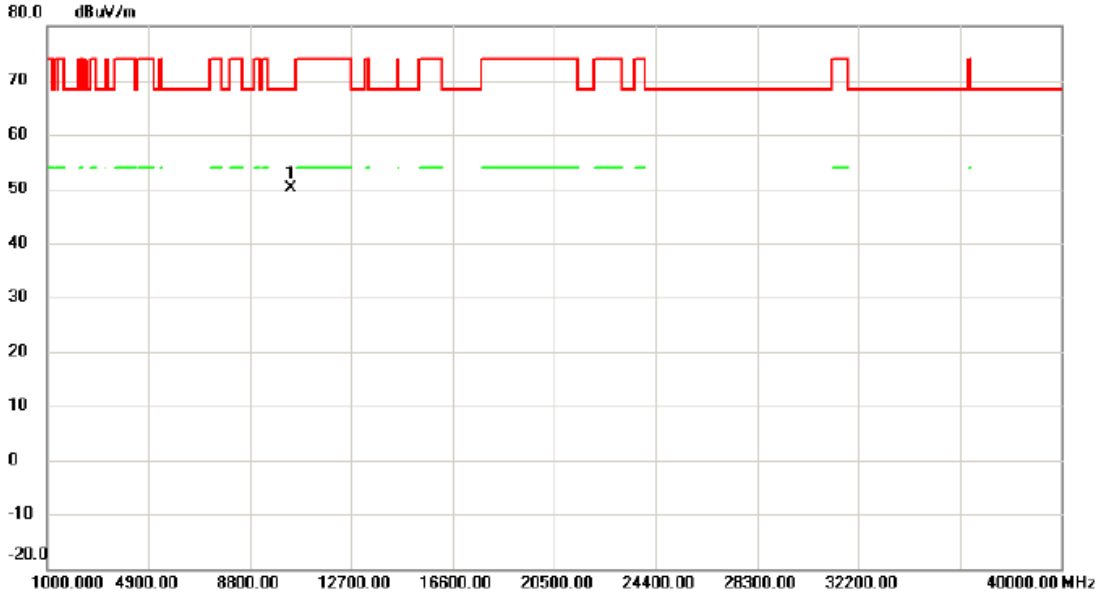


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	38.32	15.02	53.34	74.00	-20.66	peak	
2		5150.000	30.18	15.02	45.20	54.00	-8.80	AVG	
3	X	5198.100	81.24	15.05	96.29	68.30	27.99	AVG	No Limit
4	*	5198.400	91.22	15.05	106.27	68.30	37.97	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5190 MHz

Horizontal

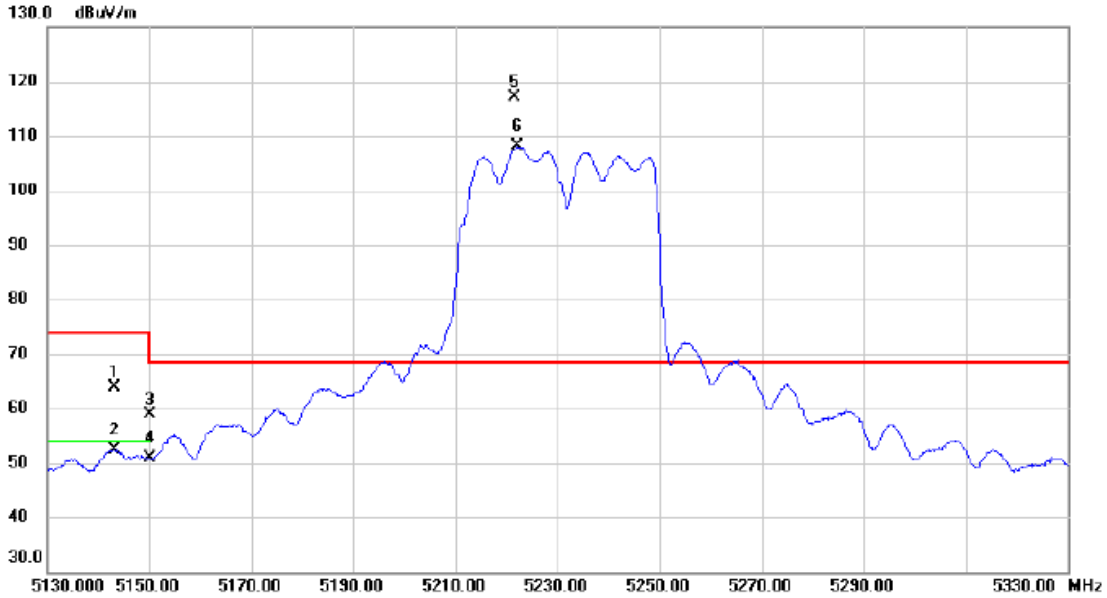


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10379.908	41.39	8.80	50.19	68.30	-18.11	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5230 MHz

Vertical

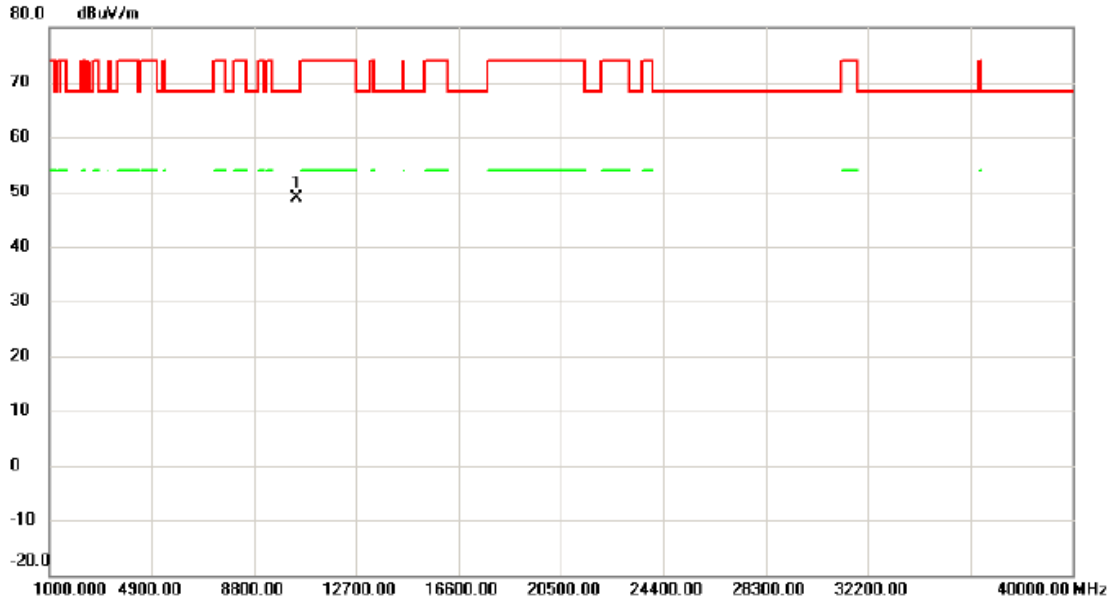


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5143.200	48.79	15.01	63.80	74.00	-10.20	peak	
2		5143.200	37.39	15.01	52.40	54.00	-1.60	AVG	
3		5150.000	43.91	15.02	58.93	74.00	-15.07	peak	
4		5150.000	35.85	15.02	50.87	54.00	-3.13	AVG	
5	*	5221.700	102.08	15.06	117.14	68.30	48.84	peak	No Limit
6	X	5222.100	93.04	15.06	108.10	68.30	39.80	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5230 MHz

Vertical

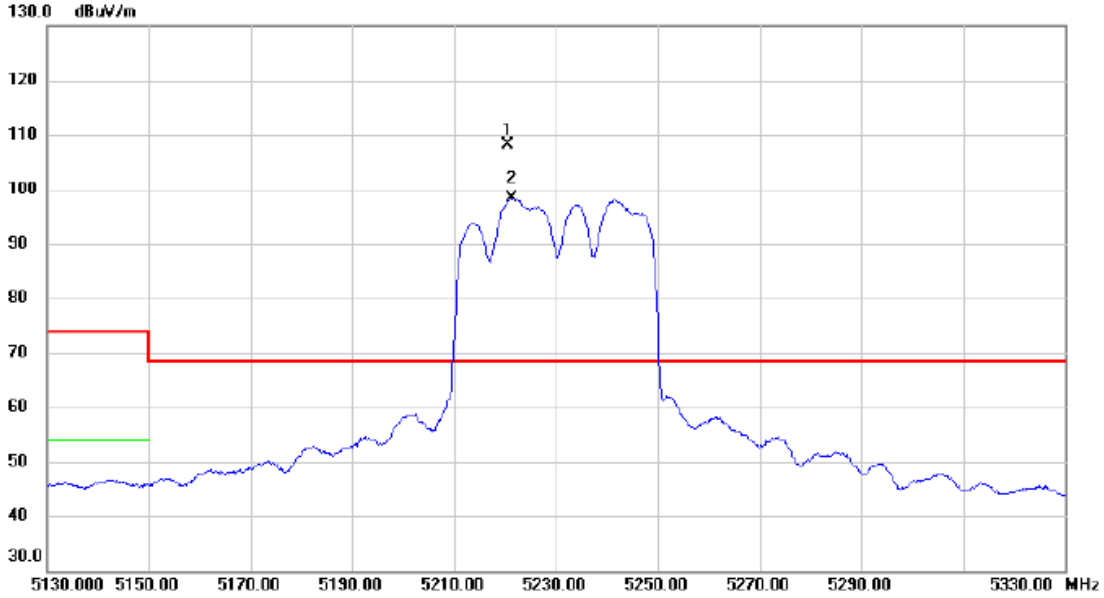


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10459.771	39.82	8.98	48.80	68.30	-19.50	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5230 MHz

Horizontal

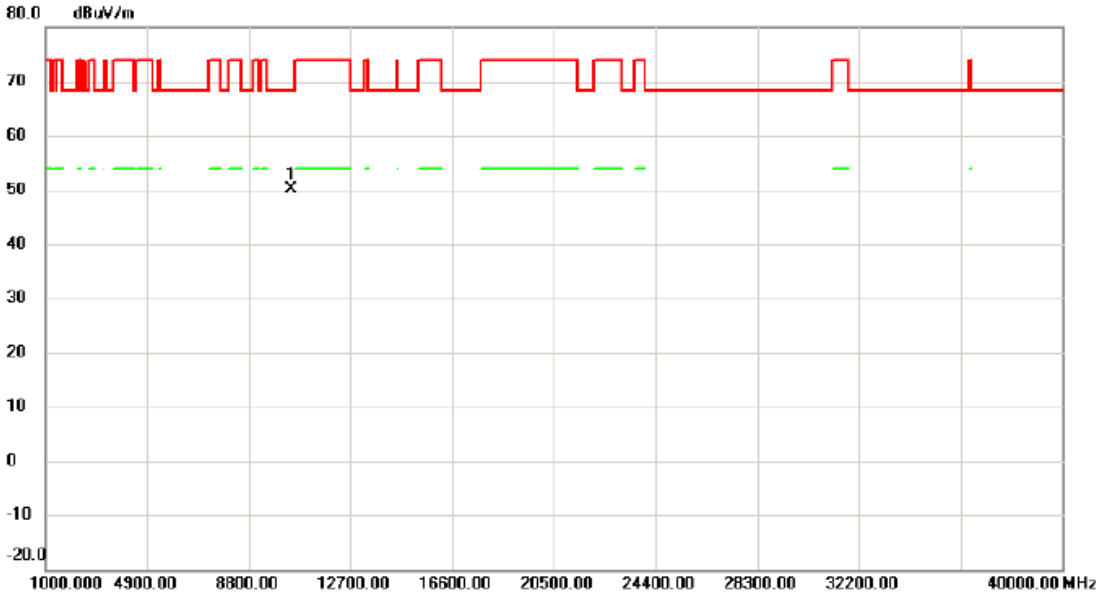


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	5220.600	93.15	15.06	108.21	68.30	39.91	peak	No Limit
2	X	5221.400	83.23	15.06	98.29	68.30	29.99	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW40) Mode 5230 MHz

Horizontal

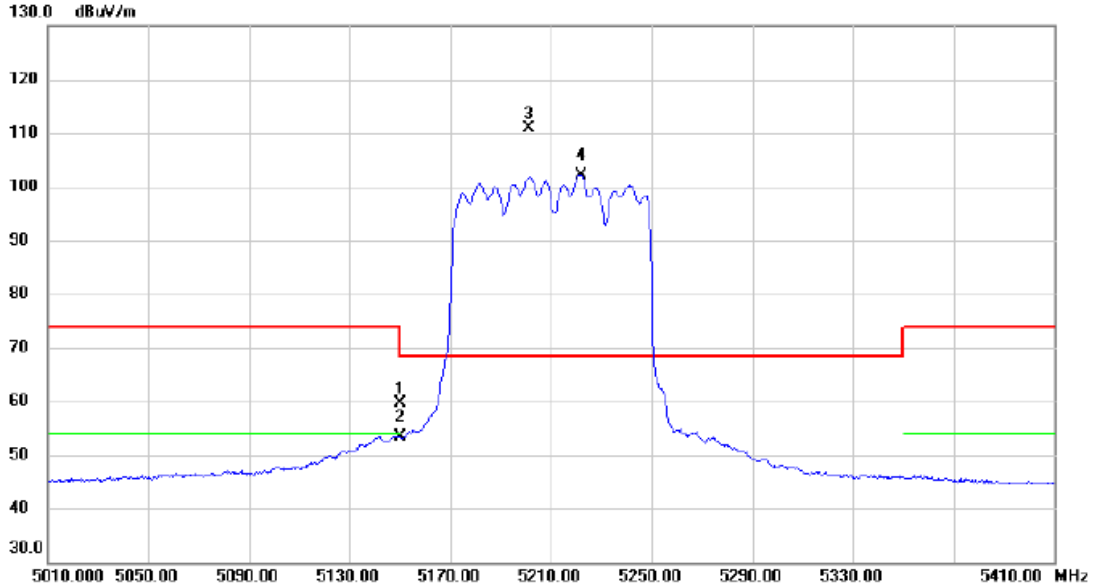


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10459.993	41.09	8.98	50.07	68.30	-18.23	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW80) Mode 5210 MHz

Vertical

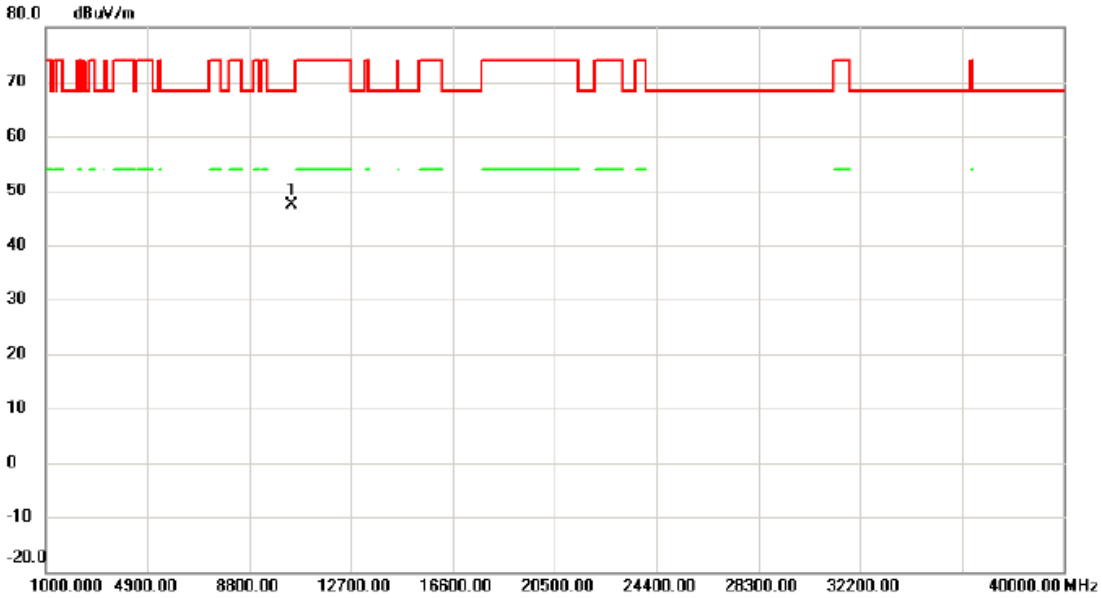


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	44.59	15.02	59.61	74.00	-14.39	peak	
2		5150.000	38.24	15.02	53.26	54.00	-0.74	AVG	
3	*	5201.200	95.83	15.05	110.88	68.30	42.58	peak	No Limit
4	X	5222.000	87.17	15.06	102.23	68.30	33.93	AVG	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW80) Mode 5210 MHz

Vertical

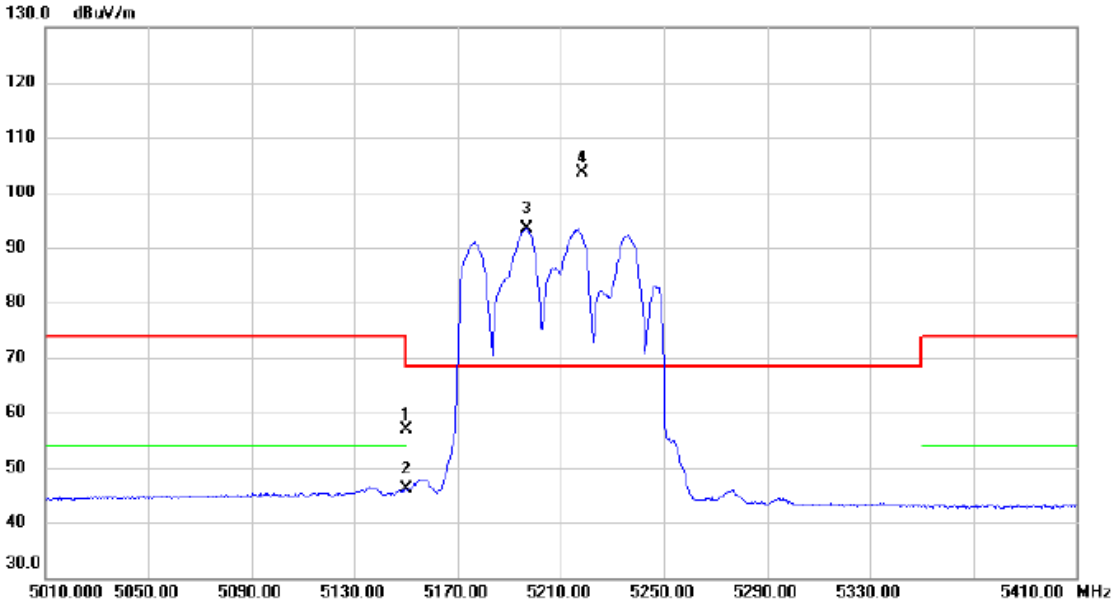


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10419.875	38.52	8.90	47.42	68.30	-20.88	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW80) Mode 5210 MHz

Horizontal

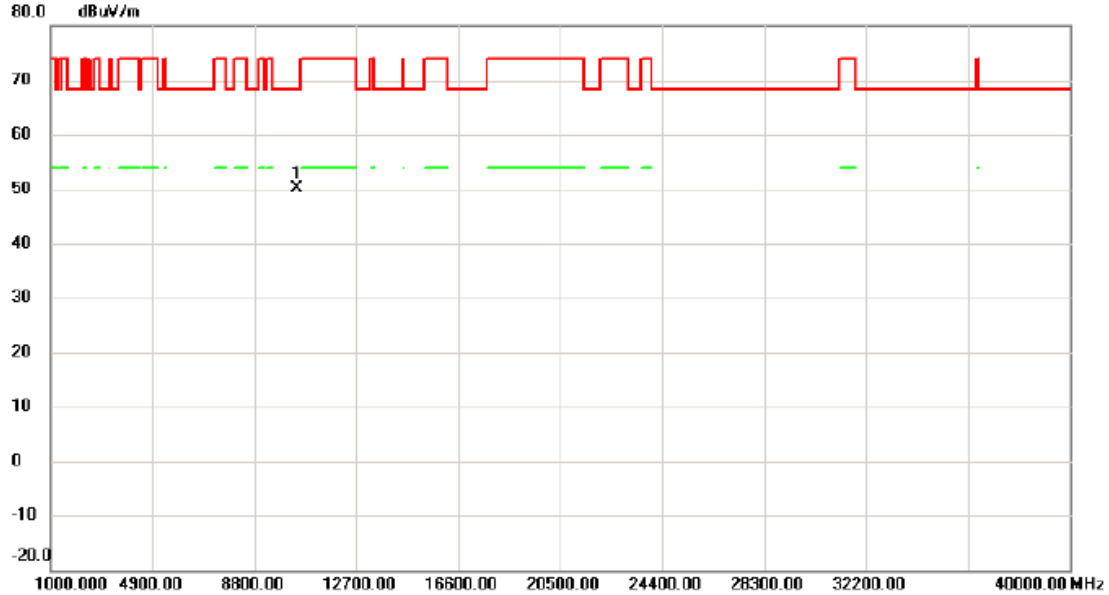


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	41.80	15.02	56.82	74.00	-17.18	peak	
2		5150.000	31.21	15.02	46.23	54.00	-7.77	AVG	
3	X	5197.000	78.31	15.05	93.36	68.30	25.06	AVG	No Limit
4	*	5218.000	88.49	15.06	103.55	68.30	35.25	peak	No Limit

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

Orthogonal Axis	X
Test Mode	TX AX (HEW80) Mode 5210 MHz

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.157	41.16	8.90	50.06	68.30	-18.24	peak	

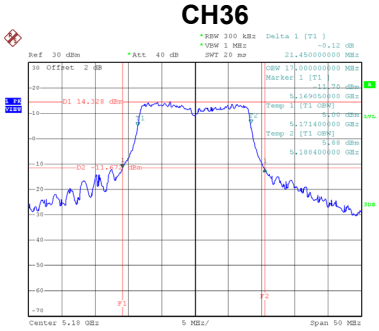
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX A Mode

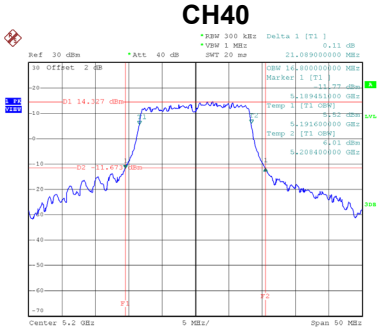
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.45	17.00
40	5200	21.09	16.80
48	5240	21.09	17.00

CH36



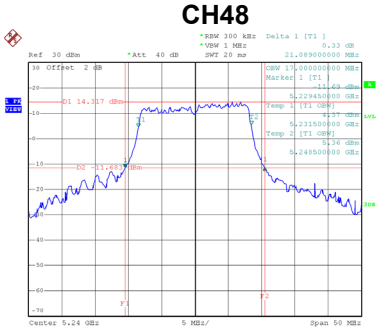
Date: 24.OCT.2019 17:43:14

CH40



Date: 24.OCT.2019 17:48:34

CH48

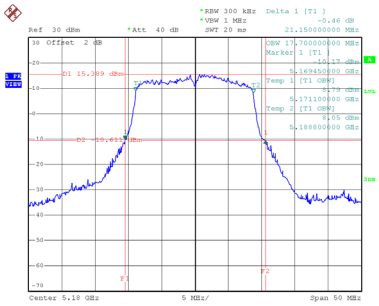


Date: 24.OCT.2019 17:50:49

Test Mode	TX N (HT20) Mode

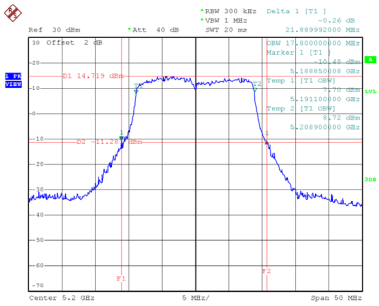
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.15	17.70
40	5200	21.89	17.80
48	5240	21.70	17.70

CH36



Date: 24.OCT.2019 17:58:43

CH40



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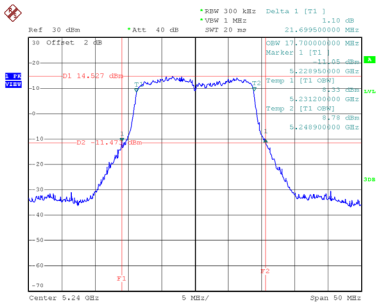
CH48

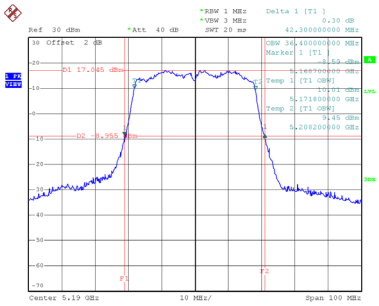


Date: 24.OCT.2019 18:49:47

Test Mode	TX N (HT40) Mode

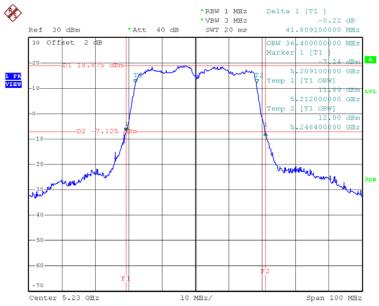
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	42.30	36.40
46	5230	41.81	36.40

CH38



Date: 24.OCT.2019 18:54:22

CH46

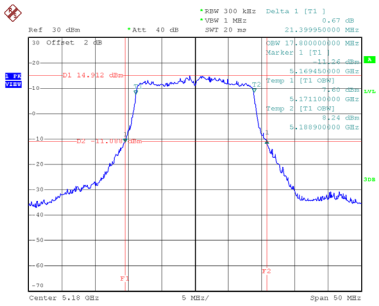


Date: 24.OCT.2019 18:57:03

Test Mode	TX AC (VHT20) Mode

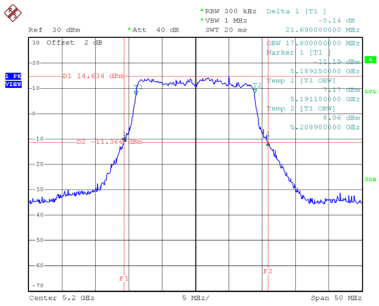
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.40	17.80
40	5200	21.69	17.80
48	5240	21.40	17.70

CH36



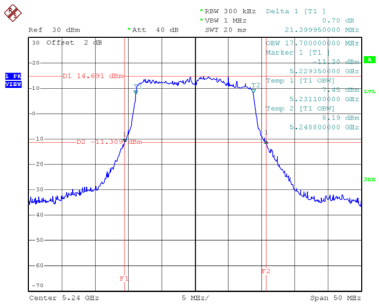
Date: 24.OCT.2019 19:16:53

CH40



Date: 24.OCT.2019 19:19:52

CH48

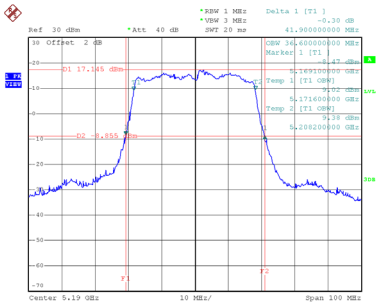


Date: 24.OCT.2019 19:23:01

Test Mode	TX AC (VHT40) Mode

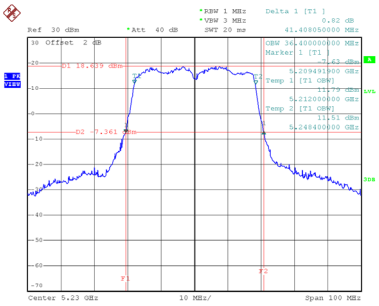
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	41.90	36.60
46	5230	41.41	36.40

CH38



Date: 24.OCT.2019 19:58:21

CH46

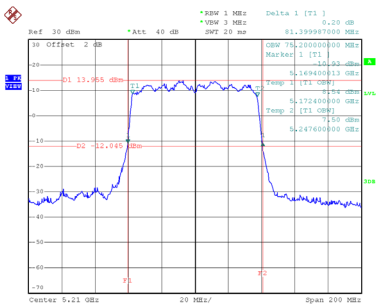


Date: 24.OCT.2019 20:03:00

Test Mode	TX AC (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	81.40	75.20

CH42

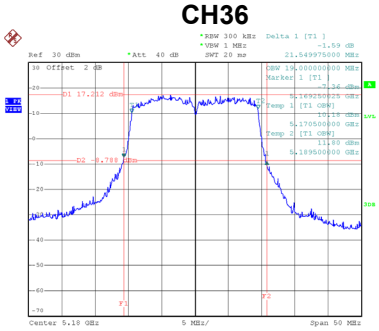


Date: 24.OCT.2019 20:06:55

Test Mode	TX AX (HEW20) Mode

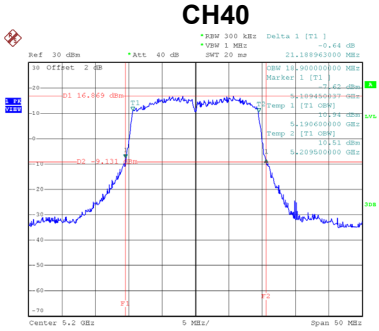
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.55	19.00
40	5200	21.19	18.90
48	5240	21.30	19.00

CH36



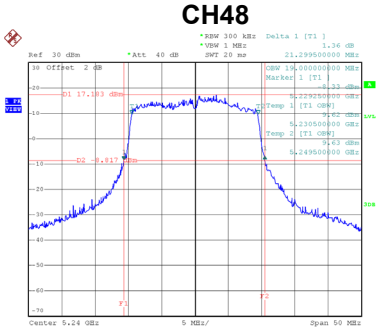
Date: 24.OCT.2019 19:31:03

CH40



Date: 24.OCT.2019 19:33:45

CH48

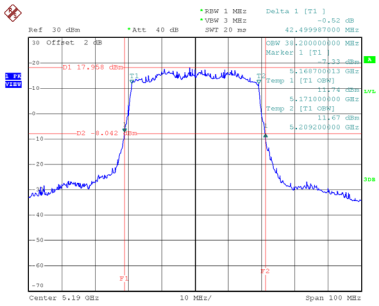


Date: 24.OCT.2019 19:41:15

Test Mode	TX AX (HEW40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	42.50	38.20
46	5230	42.20	38.00

CH38



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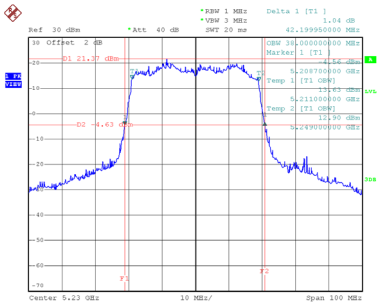
CH46

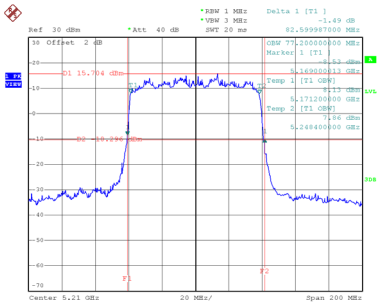


Date: 24.OCT.2019 19:49:41

Test Mode	TX AX (HEW80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	82.60	77.20

CH42



Date: 24.OCT.2019 20:10:16

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX A Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.24	0.22	20.46	29.12	0.82	Complies
40	5200	20.09	0.22	20.31	29.12	0.82	Complies
48	5240	20.17	0.22	20.39	29.12	0.82	Complies

Test Mode	TX A Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.32	0.22	20.54	29.12	0.82	Complies
40	5200	20.15	0.22	20.37	29.12	0.82	Complies
48	5240	20.28	0.22	20.50	29.12	0.82	Complies

Test Mode	TX A Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.12	0.22	20.34	29.12	0.82	Complies
40	5200	20.14	0.22	20.36	29.12	0.82	Complies
48	5240	20.17	0.22	20.39	29.12	0.82	Complies

Test Mode	TX A Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.23	0.22	20.45	29.12	0.82	Complies
40	5200	20.24	0.22	20.46	29.12	0.82	Complies
48	5240	20.33	0.22	20.55	29.12	0.82	Complies

Test Mode	TX A Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	26.47	29.12	0.82	Complies
40	5200	26.40	29.12	0.82	Complies
48	5240	26.48	29.12	0.82	Complies

Test Mode	TX N (HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.69	0.17	20.86	29.12	0.82	Complies
40	5200	20.49	0.17	20.66	29.12	0.82	Complies
48	5240	20.44	0.17	20.61	29.12	0.82	Complies

Test Mode	TX N (HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.58	0.17	20.75	29.12	0.82	Complies
40	5200	20.65	0.17	20.82	29.12	0.82	Complies
48	5240	20.45	0.17	20.62	29.12	0.82	Complies

Test Mode	TX N (HT20) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.65	0.17	20.82	29.12	0.82	Complies
40	5200	20.54	0.17	20.71	29.12	0.82	Complies
48	5240	20.48	0.17	20.65	29.12	0.82	Complies

Test Mode	TX N (HT20) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.70	0.17	20.87	29.12	0.82	Complies
40	5200	20.89	0.17	21.06	29.12	0.82	Complies
48	5240	20.69	0.17	20.86	29.12	0.82	Complies

Test Mode	TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	26.85	29.12	0.82	Complies
40	5200	26.84	29.12	0.82	Complies
48	5240	26.71	29.12	0.82	Complies

Test Mode	TX N (HT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.77	0.25	20.02	29.12	0.82	Complies
46	5230	22.81	0.25	23.06	29.12	0.82	Complies

Test Mode	TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.69	0.25	19.94	29.12	0.82	Complies
46	5230	22.76	0.25	23.01	29.12	0.82	Complies

Test Mode	TX N (HT40) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.75	0.25	20.00	29.12	0.82	Complies
46	5230	22.89	0.25	23.14	29.12	0.82	Complies

Test Mode	TX N (HT40) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.82	0.25	20.07	29.12	0.82	Complies
46	5230	22.90	0.25	23.30	29.12	0.82	Complies

Test Mode	TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	26.03	29.12	0.82	Complies
46	5230	29.11	29.12	0.82	Complies

Test Mode	TX AC (VHT20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.53	0.16	20.69	29.12	0.82	Complies
40	5200	20.36	0.16	20.52	29.12	0.82	Complies
48	5240	20.69	0.16	20.85	29.12	0.82	Complies

Test Mode	TX AC (VHT20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.48	0.16	20.64	29.12	0.82	Complies
40	5200	20.45	0.16	20.61	29.12	0.82	Complies
48	5240	20.58	0.16	20.74	29.12	0.82	Complies

Test Mode	TX AC (VHT20) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.52	0.16	20.68	29.12	0.82	Complies
40	5200	20.74	0.16	20.90	29.12	0.82	Complies
48	5240	20.61	0.16	20.77	29.12	0.82	Complies

Test Mode	TX AC (VHT20) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.66	0.16	20.82	29.12	0.82	Complies
40	5200	20.89	0.16	21.05	29.12	0.82	Complies
48	5240	20.83	0.16	20.99	29.12	0.82	Complies

Test Mode	TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	26.73	29.12	0.82	Complies
40	5200	26.80	29.12	0.82	Complies
48	5240	26.86	29.12	0.82	Complies

Test Mode	TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.71	0.00	18.71	29.12	0.82	Complies
46	5230	22.73	0.00	22.73	29.12	0.82	Complies

Test Mode	TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.65	0.00	18.65	29.12	0.82	Complies
46	5230	22.64	0.00	22.64	29.12	0.82	Complies

Test Mode	TX AC (VHT40) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.75	0.00	18.75	29.12	0.82	Complies
46	5230	22.69	0.00	22.69	29.12	0.82	Complies

Test Mode	TX AC (VHT40) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.84	0.00	18.84	29.12	0.82	Complies
46	5230	22.88	0.00	22.88	29.12	0.82	Complies

Test Mode	TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	24.76	29.12	0.82	Complies
46	5230	28.76	29.12	0.82	Complies

Test Mode	TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.92	0.00	18.92	29.12	0.82	Complies

Test Mode	TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.97	0.00	18.97	29.12	0.82	Complies

Test Mode	TX AC (VHT80) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.89	0.00	18.89	29.12	0.82	Complies

Test Mode	TX AC (VHT80) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	19.02	0.00	19.02	29.12	0.82	Complies

Test Mode	TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	24.97	29.12	0.82	Complies

Test Mode	TX AX (HEW20) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.65	0.00	21.65	29.12	0.82	Complies
40	5200	21.14	0.00	21.14	29.12	0.82	Complies
48	5240	20.44	0.00	20.44	29.12	0.82	Complies

Test Mode	TX AX (HEW20) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.91	0.00	21.91	29.12	0.82	Complies
40	5200	21.04	0.00	21.04	29.12	0.82	Complies
48	5240	20.36	0.00	20.36	29.12	0.82	Complies

Test Mode	TX AX (HEW20) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.98	0.00	21.98	29.12	0.82	Complies
40	5200	21.03	0.00	21.03	29.12	0.82	Complies
48	5240	20.48	0.00	20.48	29.12	0.82	Complies

Test Mode	TX AX (HEW20) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.99	0.00	21.99	29.12	0.82	Complies
40	5200	21.15	0.00	21.15	29.12	0.82	Complies
48	5240	20.59	0.00	20.59	29.12	0.82	Complies

Test Mode	TX AX (HEW20) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	27.91	29.12	0.82	Complies
40	5200	27.11	29.12	0.82	Complies
48	5240	26.49	29.12	0.82	Complies

Test Mode	TX AX (HEW40) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.06	0.00	18.06	29.12	0.82	Complies
46	5230	22.42	0.00	22.42	29.12	0.82	Complies

Test Mode	TX AX (HEW40) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.19	0.00	18.19	29.12	0.82	Complies
46	5230	22.39	0.00	22.39	29.12	0.82	Complies

Test Mode	TX AX (HEW40) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.26	0.00	18.26	29.12	0.82	Complies
46	5230	22.37	0.00	22.37	29.12	0.82	Complies

Test Mode	TXA X (HEW40) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.43	0.00	18.43	29.12	0.82	Complies
46	5230	22.46	0.00	22.46	29.12	0.82	Complies

Test Mode	TX AX (HEW40) Mode_Total

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	24.26	29.12	0.82	Complies
46	5230	28.43	29.12	0.82	Complies

Test Mode	TX AX (HEW80) Mode_Ant. 1

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.59	0.00	18.59	29.12	0.82	Complies

Test Mode	TX AX (HEW80) Mode_Ant. 2

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.73	0.00	18.73	29.12	0.82	Complies

Test Mode	TX AX (HEW80) Mode_Ant. 3

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.67	0.00	18.67	29.12	0.82	Complies

Test Mode	TX AX (HEW80) Mode_Ant. 4

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	18.81	0.00	18.81	29.12	0.82	Complies

Test Mode	TX AX (HEW80) Mode_Total

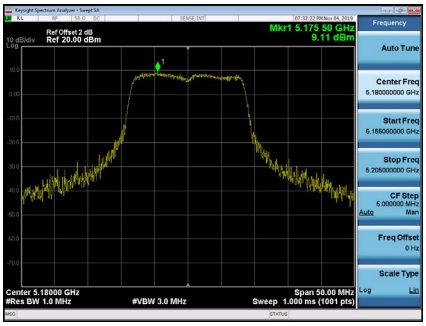
Channel	Frequency (MHz)	Conducted Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	24.72	29.12	0.82	Complies

APPENDIX G - POWER SPECTRAL DENSITY

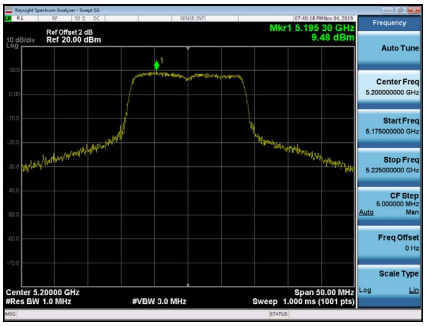
Test Mode	TX A Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.11	0.22	9.33	16.12	Complies
40	5200	9.48	0.22	9.70	16.12	Complies
48	5240	8.28	0.22	8.50	16.12	Complies

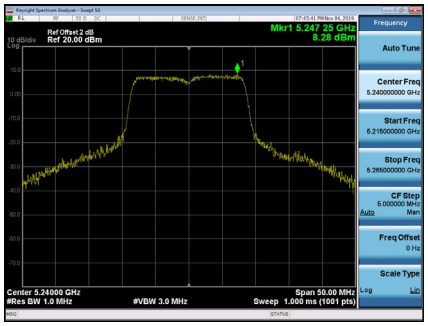
CH36



CH40



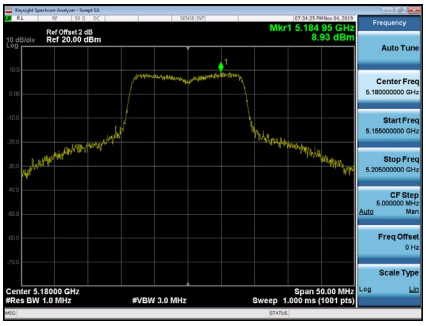
CH48



Test Mode	TX A Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.93	0.22	9.15	16.12	Complies
40	5200	8.72	0.22	8.94	16.12	Complies
48	5240	8.80	0.22	9.02	16.12	Complies

CH36



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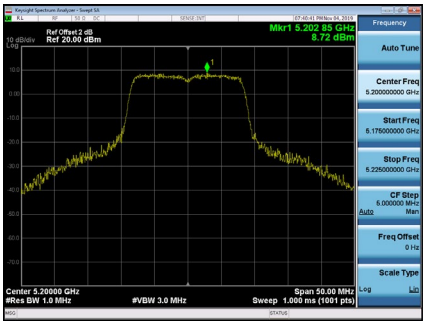

CH48