

FCC Radio Test Report

FCC ID: KA2CS8630LHA1

This report concerns: Original Grant

Project No. : 1911H008
Equipment : Full HD Wi-Fi Spotlight Camera
Brand Name : D-Link
Test Model : DCS-8630LH
Series Model : DCS-8627LH
Applicant : D-Link Corporation
Address : No.289, Sinhu 3rd Rd, Neihu District, Taipei 114, Taiwan, R.O.C
Manufacturer : D-Link Corporation
Address : No.289, Sinhu 3rd Rd, Neihu District, Taipei 114, Taiwan, R.O.C
Factory : LEEDARSON LIGHTING CO., LTD.
Address : Xingtai Industrial Zone, Economic Development Zone, Changtai County, Zhangzhou City, Fujian Province, P.R.China
Date of Receipt : Dec. 30, 2019
Date of Test : Dec. 30, 2019 ~ Mar. 13, 2020
Issued Date : Mar. 31, 2020
Report Version : R00
Test Sample : Engineering Sample No.: SH2019122670-4, SH2019122670-1, SH2020012018, SH2020030390
Standard(s) : FCC Part15, Subpart C (15.247)
ANSI C63.10-2013
KDB 558074 D01 15.247 Meas Guidance v05r02

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

Iscaa Min

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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).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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BTL's laboratory quality assurance procedures are in compliance with the **ISO/IEC 17025** requirements, and accredited by the conformity assessment authorities listed in this test report.

BTL is not responsible for the sampling stage, so the results only apply to the sample as received.

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.	Mar. 31, 2020

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC Part15, Subpart C (15.247)				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	-----
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS	-----
15.247(d)	Conducted Spurious Emission	APPENDIX G	PASS	-----
15.247(e)	Power Spectral Density	APPENDIX H	PASS	-----
15.203	Antenna Requirement	-----	PASS	-----

Note:

- (1) "N/A" denotes test is not applicable to this device.
- (2) 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. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China.

BTL's Test Firm Registration Number for FCC: 476765

BTL's Designation Number for FCC: CN1241

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)
SH-C01	CISPR	150 kHz~30MHz	2.40

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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	18°C	56%	AC 120V	Bill Dong
Radiated Emissions-30 MHz to 1GHz	18°C	42%	AC 120V	Vince Zong
Radiated Emissions-Above 1000 MHz	18°C	42%	AC 120V	Vince Zong
Bandwidth	18°C	56%	AC 120V	Bill Dong
Maximum Output Power & e.i.r.p.	18°C	56%	AC 120V	Bill Dong
Conducted Spurious Emission	18°C	56%	AC 120V	Bill Dong
Power Spectral Density	18°C	56%	AC 120V	Bill Dong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Full HD Wi-Fi Spotlight Camera
Brand Name	D-Link
Test Model	DCS-8630LH
Series Model	DCS-8627LH
Model Difference(s)	DCS-8630LH has one more zigbee module than DCS-8627LH.
Software Version	1.00
Hardware Version	A1
Power Source	DC voltage supplied from AC/DC adapter. 1# Brand/Model: APD/WB-12G12FU, WB-12G12R 2# Brand/Model:Keyu/KA1201A-1201000US
Power Rating	1# I/P: 100-240 ~ 50-60Hz 0.3A Max O/P: 12.0V --- 1.0A 2# I/P: 100-240 ~ 50/60Hz 0.4A Max O/P: 12.0V --- 1000mA
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Technology	GFSK
Bit Rate of Transmitter	1Mbps
Max. Output Power	5.13 dBm (0.0033 W) For 1Mbps
Max. e.i.r.p.	7.13 dBm (0.0052 W) For 1Mbps

Note:

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

2. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	IPEX	2.0

2.2 DESCRIPTION OF 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 Mode NOTE (1)
Mode 2	TX Mode Channel 19 _1Mbps

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 2	TX Mode Channel 19 _1Mbps

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 2	TX Mode Channel 19 _1Mbps

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Conducted test	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Note:

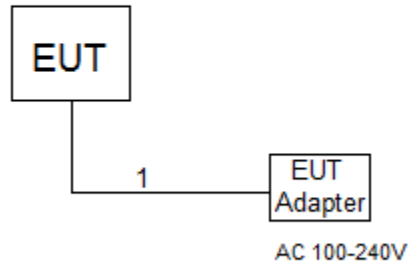
- (1) The measurements are performed at the high, middle, low available channels.
- (2) For radiated emission above 1 GHz test, 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

2.3 PARAMETERS OF TEST SOFTWARE

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of BT LE

Test Software	ScureCRT		
Frequency (MHz)	2402	2440	2480
Parameters(1Mbps)	default	default	default

2.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.5 SUPPORT UNITS

Item	Equipment	Brand	Model/Type No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC	N/A	N/A	1m

3. AC POWER LINE CONDUCTED EMISSIONS TEST

3.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ V)	
	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 Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

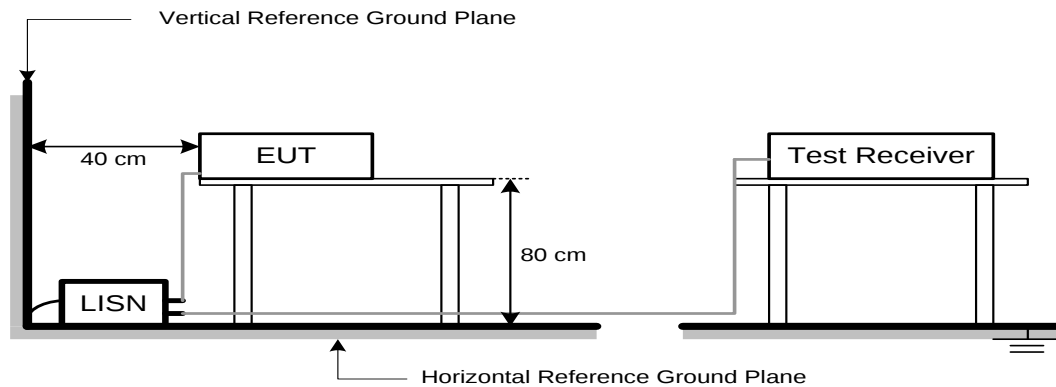
3.2 TEST PROCEDURE

- 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 OPERATING 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.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.

4. RADIATED EMISSION 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 EMISSION MEASUREMENT (9 kHz-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 RADIATED EMISSION MEASUREMENT (Above 1000 MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:
 Measurement Value = Reading Level + Correct Factor
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
 Margin Level = Measurement Value - Limit Value

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1 MHz VBW 3 MHz peak detector for Pk value RMS detector for AV value

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector

4.2 TEST PROCEDURE

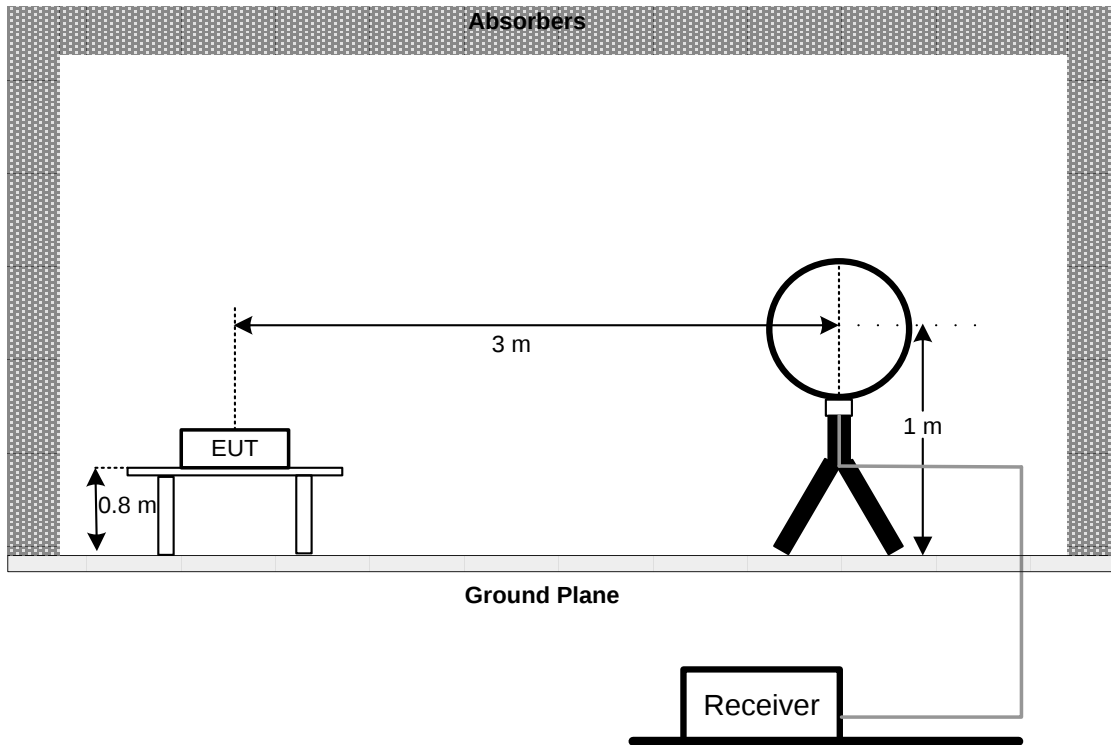
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1 GHz)
- The measuring distance 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 1 GHz)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.3 DEVIATION FROM TEST STANDARD

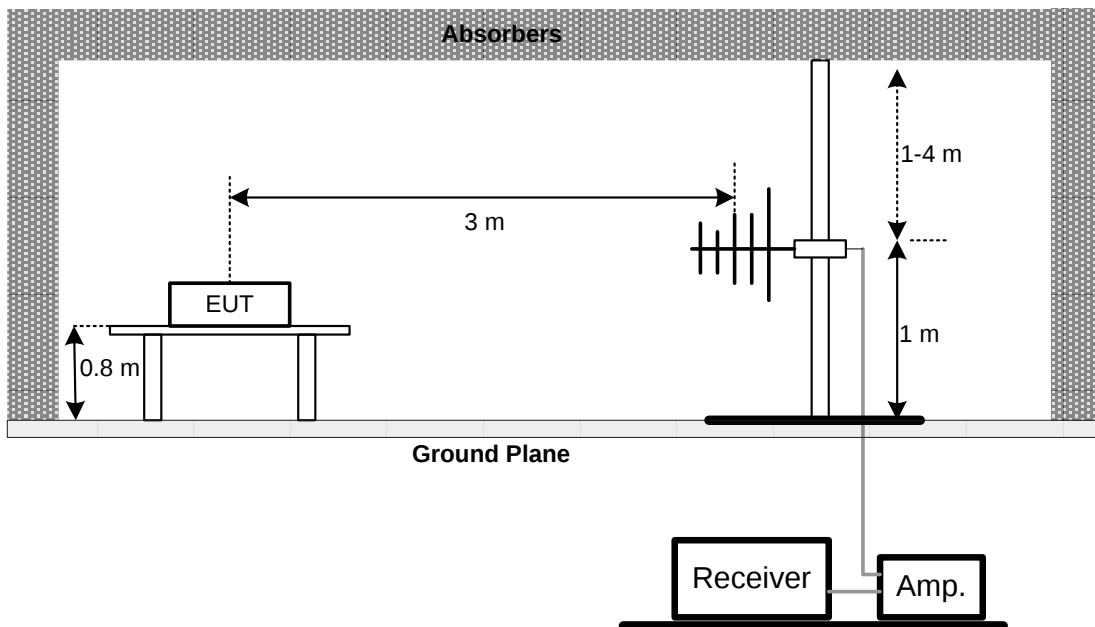
No deviation

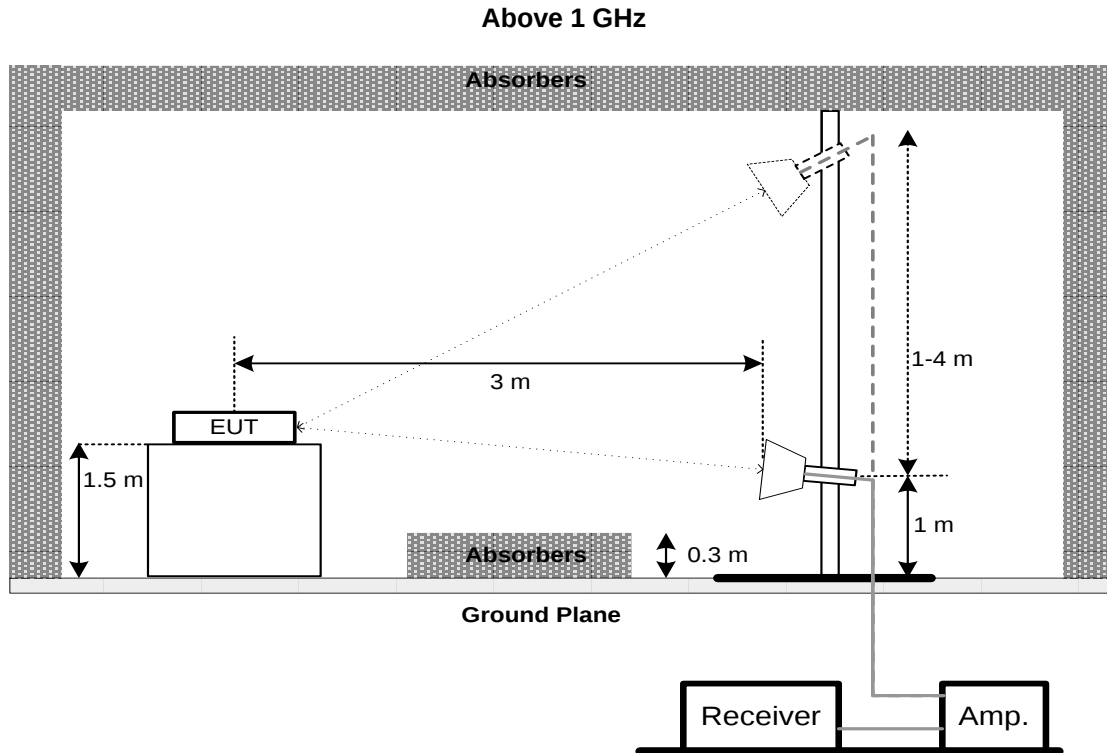
4.4 TEST SETUP

9 kHz-30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX B

Remark:

- (1) Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

4.8 TEST RESULT - 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 C (15.247)		
Section	Test Item	Limit
15.247(a)(2)	Bandwidth	≥ 500 kHz (6 dB bandwidth)

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting : RBW= 100 kHz, VBW=300 kHz, Sweep time = 2.5 ms.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 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.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(b)(3)	Maximum Output Power	1 watt or 30 dBm

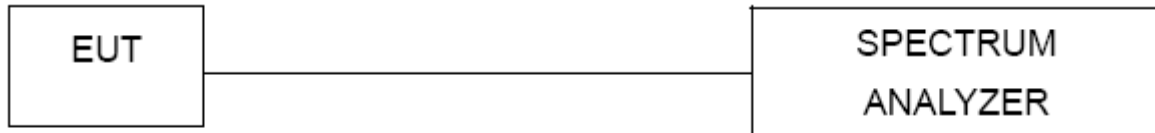
6.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.1 (for peak power) or 11.9.2.2 (for AVG power) of ANSI C63.10-2013.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 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.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSION

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

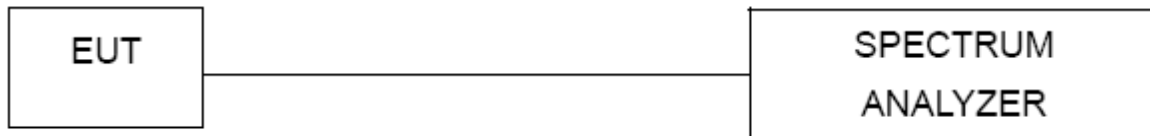
7.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting : RBW= 100 kHz, VBW=300 kHz, Sweep time = 10 ms.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 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.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY TEST

8.1 LIMIT

FCC Part15, Subpart C (15.247)		
Section	Test Item	Limit
15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

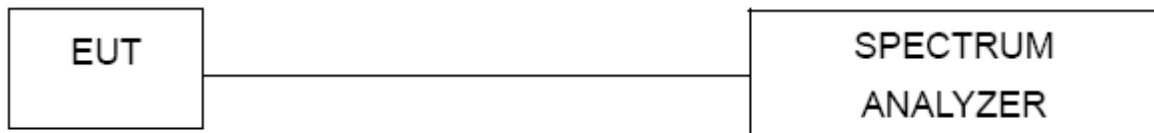
8.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- Spectrum Setting: RBW=3 kHz, VBW=10 kHz, Sweep time = auto.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 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.

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	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 29, 2020
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Sep. 01, 2020
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Apr. 17, 2020
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 29, 2020
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 29, 2020
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 29, 2020
7	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	TRILOG Broadband Antenna	Schwarzbeck	VULB 9168	719	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 29, 2020
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 17, 2020
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 Waveguide Horn Antenna	ETS-Lindgren	9120D	00206960	Mar. 29, 2020
2	Pre-Amplifier	emci	EMC012645SE	980421	Mar. 29, 2020
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 29, 2020
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 17, 2020
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 17, 2020
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 17, 2020
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 29, 2020
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 29, 2020
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 29, 2020
11	EXA Spectrum Analyzer	Keysight	N9010A	MY56480579	Mar. 29, 2020
12	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 17, 2020
13	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 17, 2020
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyze	Keysight	8990B	MY51000507	Mar. 29, 2020
2	Wideband Power Sensor	Keysight	N9123A	MY58310003	Mar. 29, 2020

Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

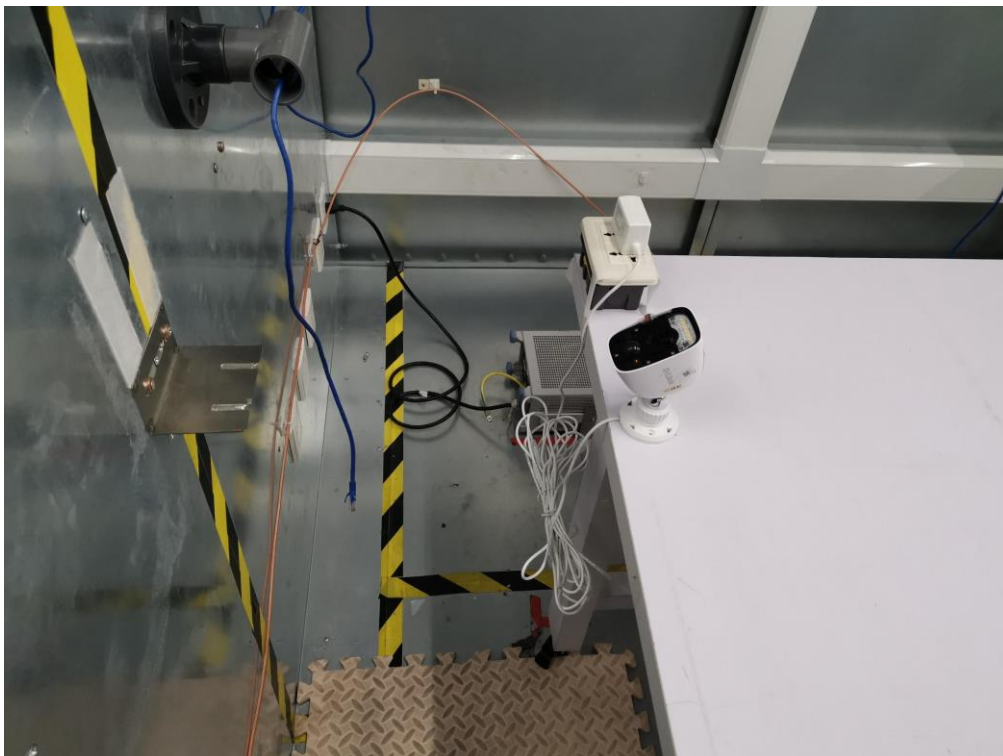
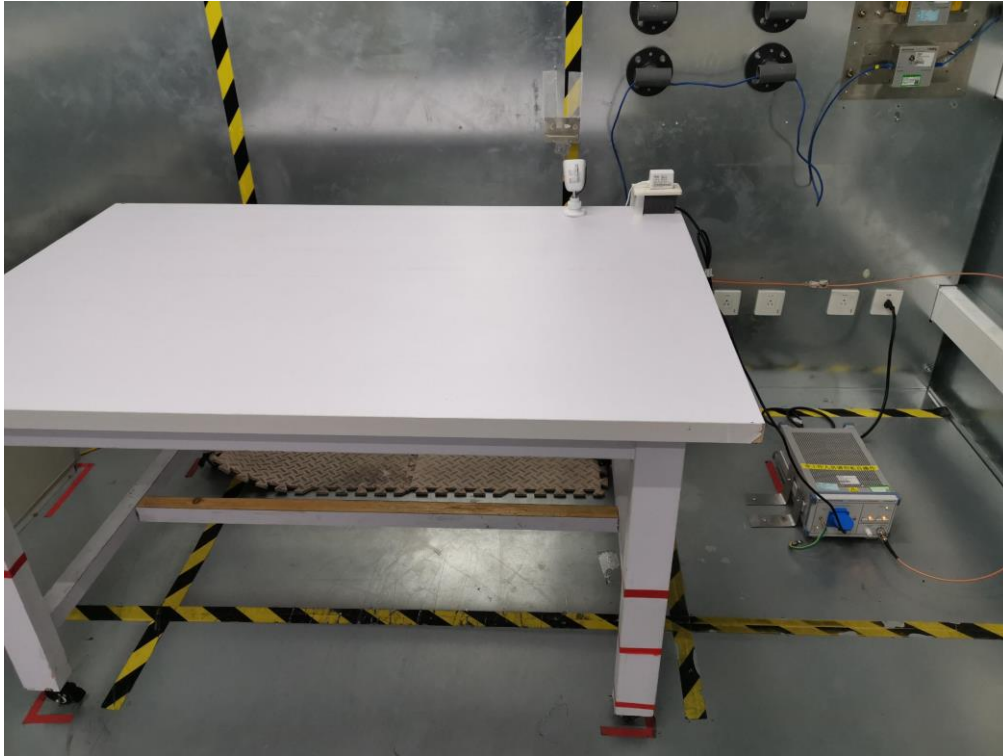
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 29, 2020

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

All calibration period of equipment list is one year.

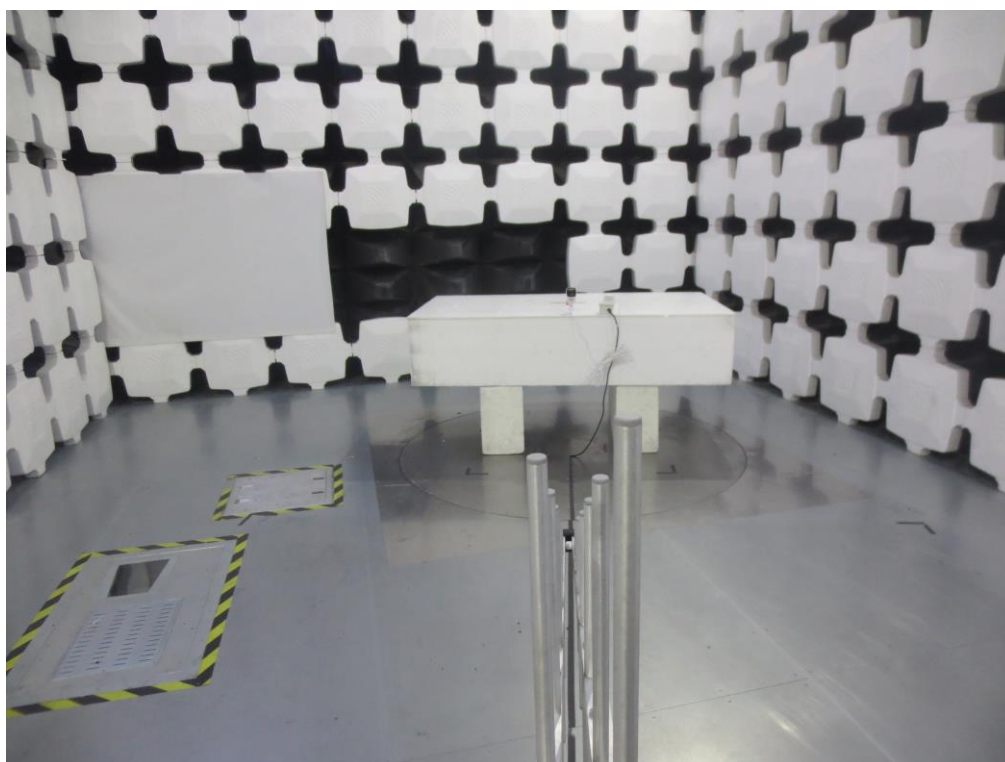
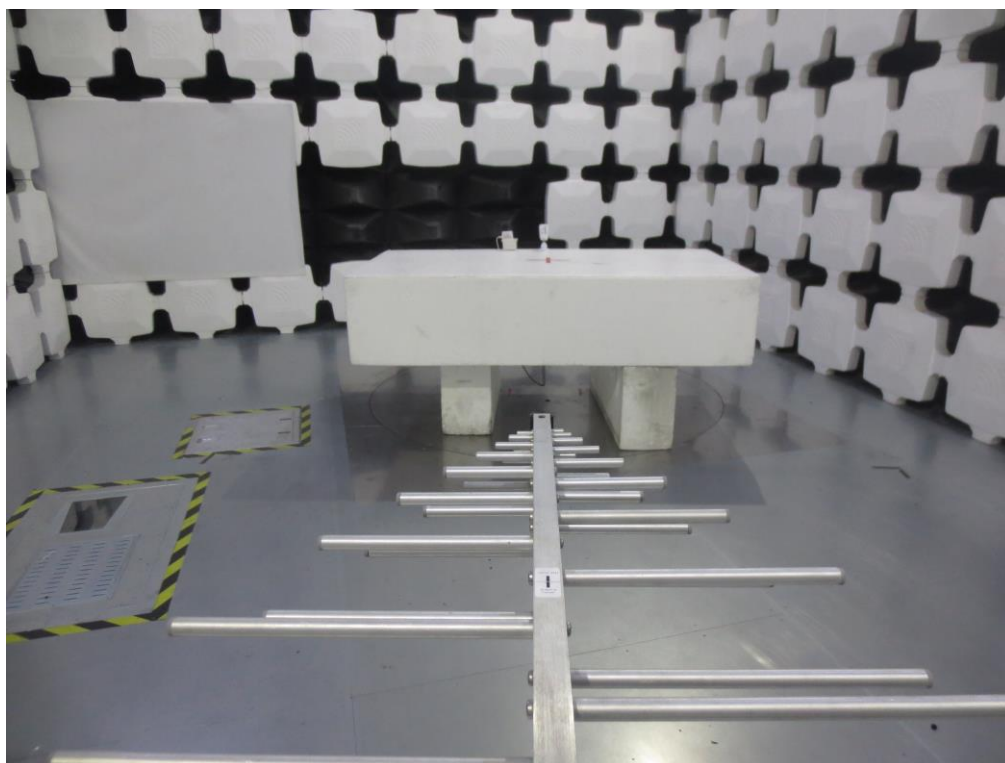
10. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos



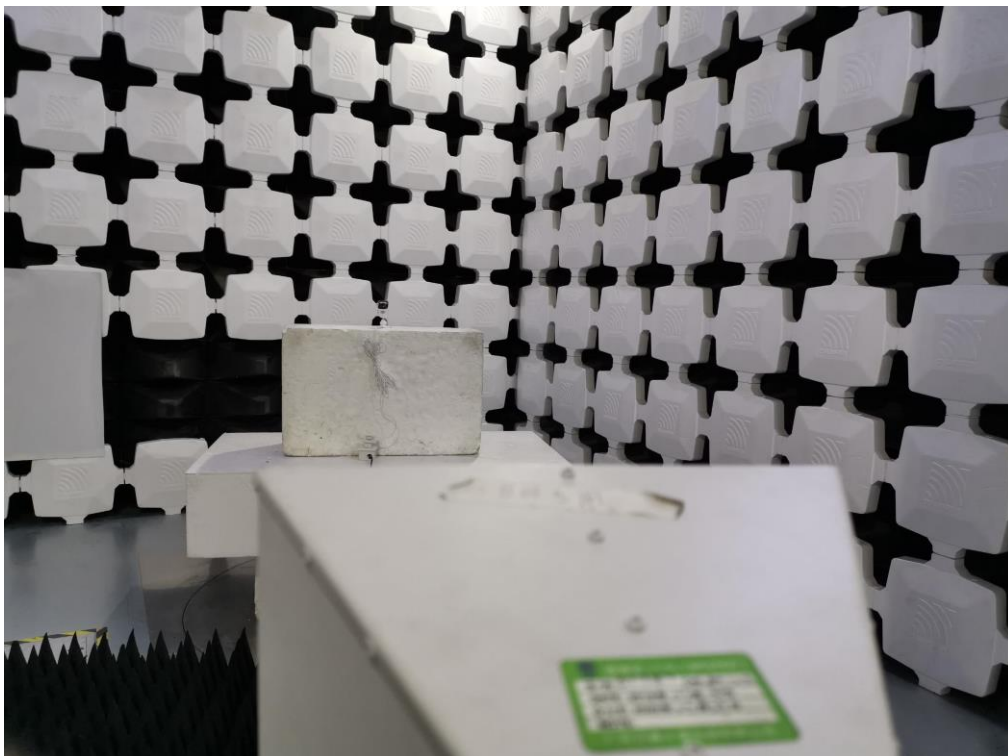
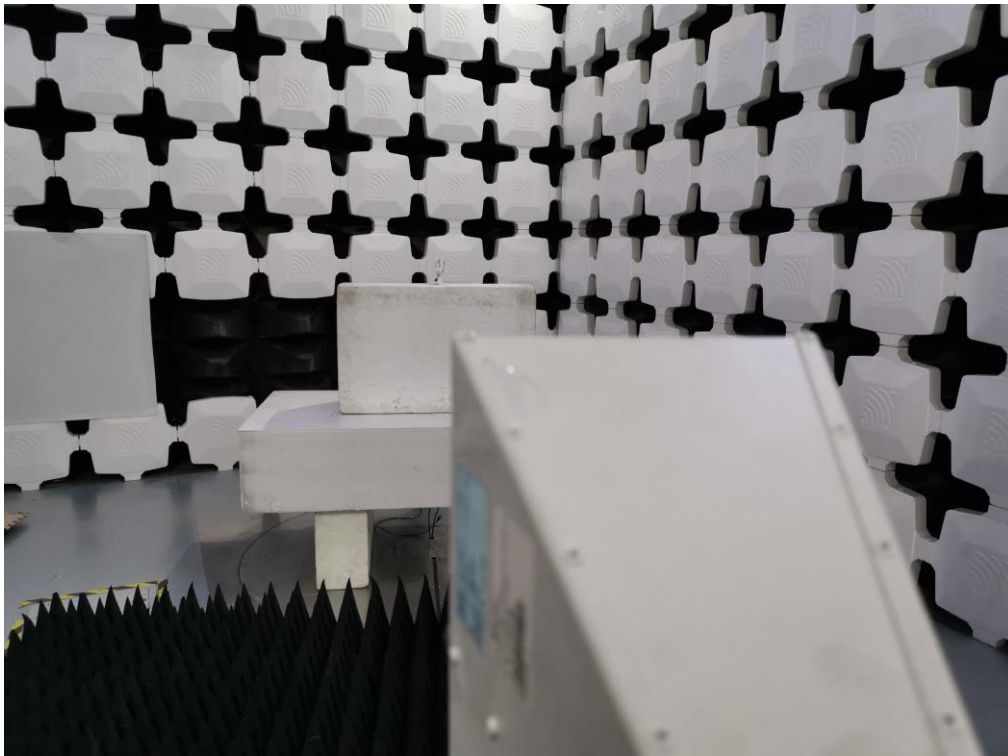
Radiated Emissions Test Photos

30 MHz to 1000 MHz



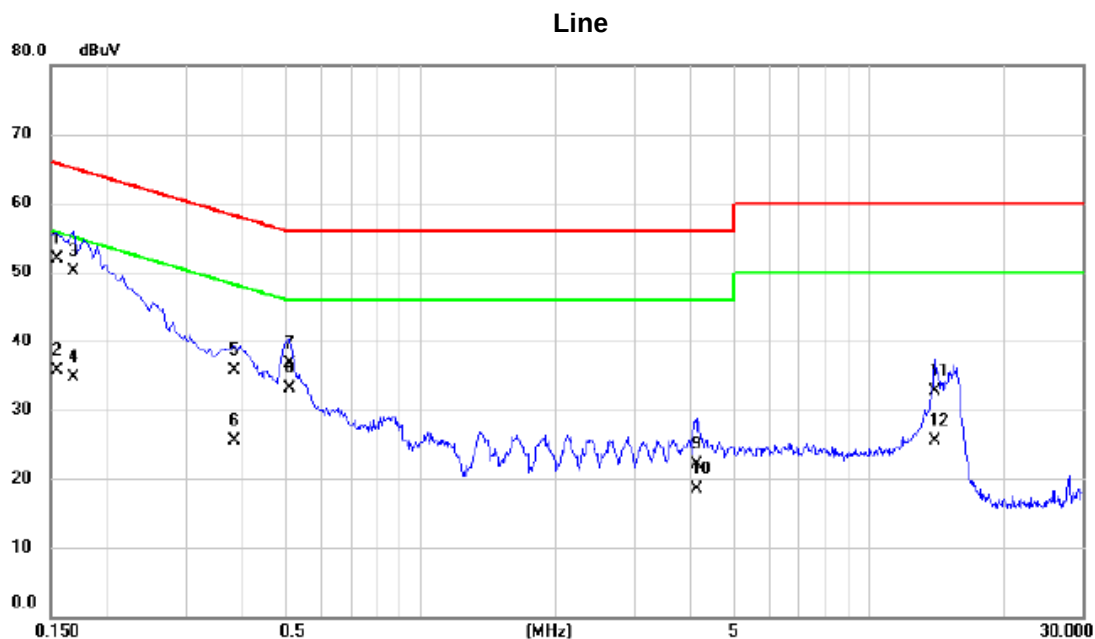
Radiated Emissions Test Photos

Above 1 GHz



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode : TX Mode Adapter: WB-12G12FU



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1545	42.20	9.77	51.97	65.75	-13.78	QP	
2		0.1545	26.00	9.77	35.77	55.75	-19.98	AVG	
3		0.1680	40.40	9.79	50.19	65.06	-14.87	QP	
4		0.1680	25.00	9.79	34.79	55.06	-20.27	AVG	
5		0.3840	25.90	9.88	35.78	58.19	-22.41	QP	
6		0.3840	15.70	9.88	25.58	48.19	-22.61	AVG	
7		0.5100	26.80	10.00	36.80	56.00	-19.20	QP	
8	*	0.5100	23.20	10.00	33.20	46.00	-12.80	AVG	
9		4.1280	12.10	10.04	22.14	56.00	-33.86	QP	
10		4.1280	8.50	10.04	18.54	46.00	-27.46	AVG	
11		13.9965	22.60	10.09	32.69	60.00	-27.31	QP	
12		13.9965	15.50	10.09	25.59	50.00	-24.41	AVG	

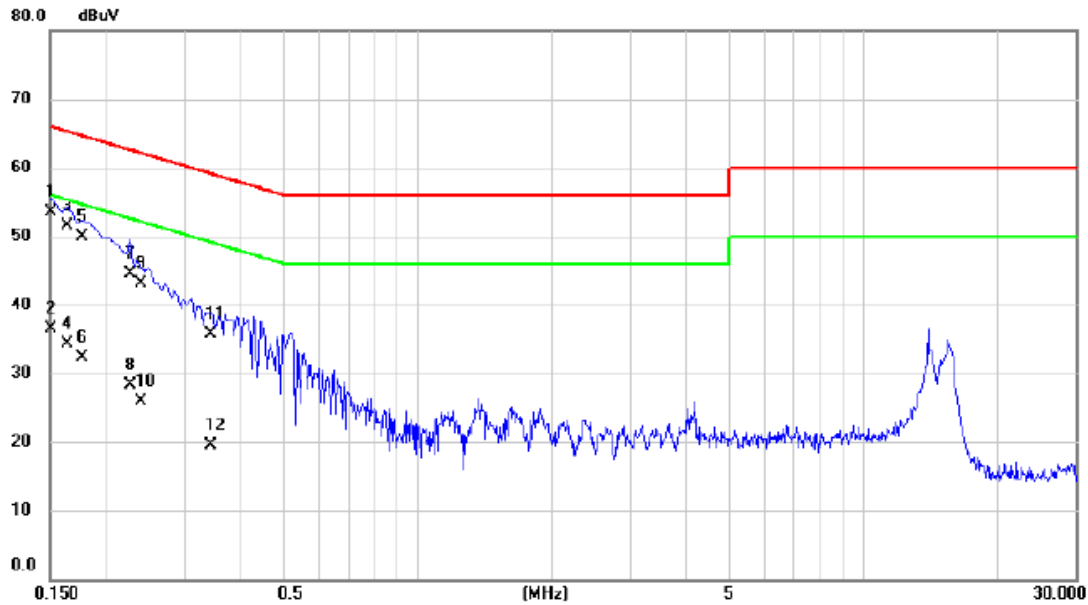
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12FU

Neutral



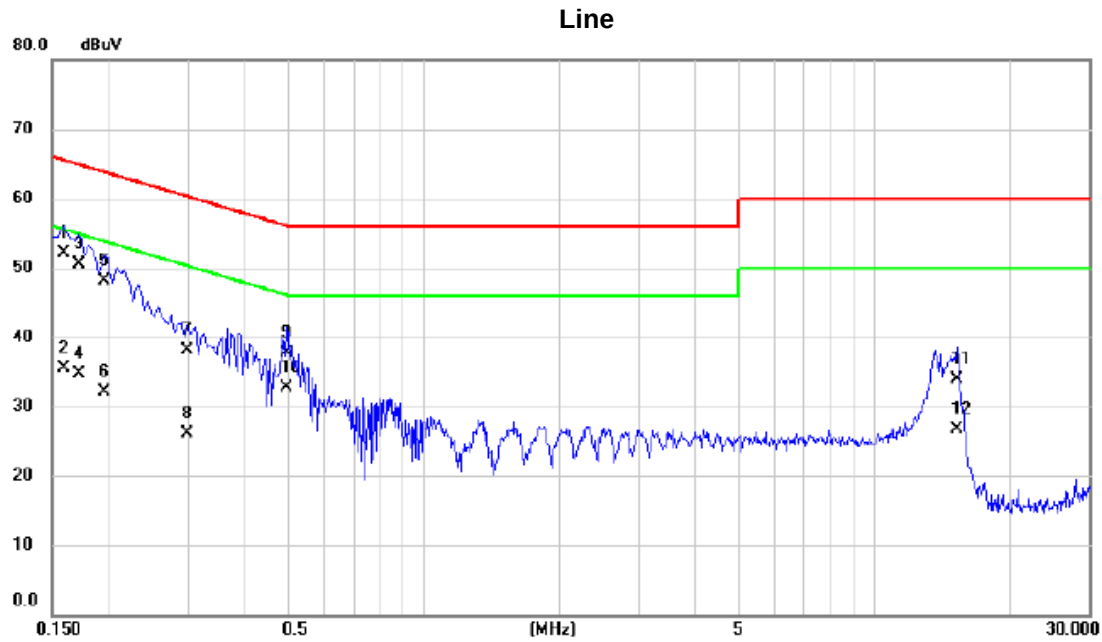
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	43.80	9.63	53.43	66.00	-12.57	QP	
2		0.1500	26.90	9.63	36.53	56.00	-19.47	AVG	
3		0.1635	41.90	9.59	51.49	65.28	-13.79	QP	
4		0.1635	24.70	9.59	34.29	55.28	-20.99	AVG	
5		0.1770	40.40	9.60	50.00	64.63	-14.63	QP	
6		0.1770	22.70	9.60	32.30	54.63	-22.33	AVG	
7		0.2265	34.90	9.69	44.59	62.58	-17.99	QP	
8		0.2265	18.60	9.69	28.29	52.58	-24.29	AVG	
9		0.2404	33.40	9.71	43.11	62.08	-18.97	QP	
10		0.2404	16.10	9.71	25.81	52.08	-26.27	AVG	
11		0.3435	26.00	9.79	35.79	59.12	-23.33	QP	
12		0.3435	9.70	9.79	19.49	49.12	-29.63	AVG	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12R



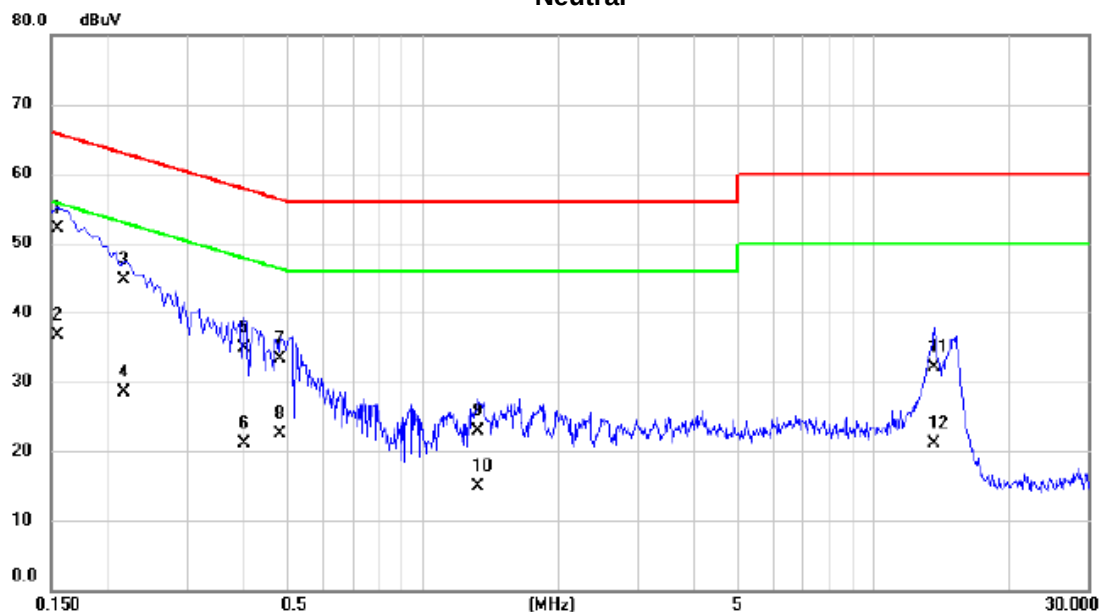
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1590	42.40	9.77	52.17	65.52	-13.35	QP	
2		0.1590	25.70	9.77	35.47	55.52	-20.05	AVG	
3		0.1725	40.80	9.79	50.59	64.84	-14.25	QP	
4		0.1725	24.90	9.79	34.69	54.84	-20.15	AVG	
5		0.1950	38.30	9.82	48.12	63.82	-15.70	QP	
6		0.1950	22.20	9.82	32.02	53.82	-21.80	AVG	
7		0.2985	28.30	9.78	38.08	60.28	-22.20	QP	
8		0.2985	16.40	9.78	26.18	50.28	-24.10	AVG	
9		0.4965	27.70	10.00	37.70	56.06	-18.36	QP	
10		0.4965	22.70	10.00	32.70	46.06	-13.36	AVG	
11		15.2520	23.80	10.08	33.88	60.00	-26.12	QP	
12		15.2520	16.70	10.08	26.78	50.00	-23.22	AVG	

REMARKS:

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

Test Mode : TX Mode Adapter: WB-12G12R

Neutral

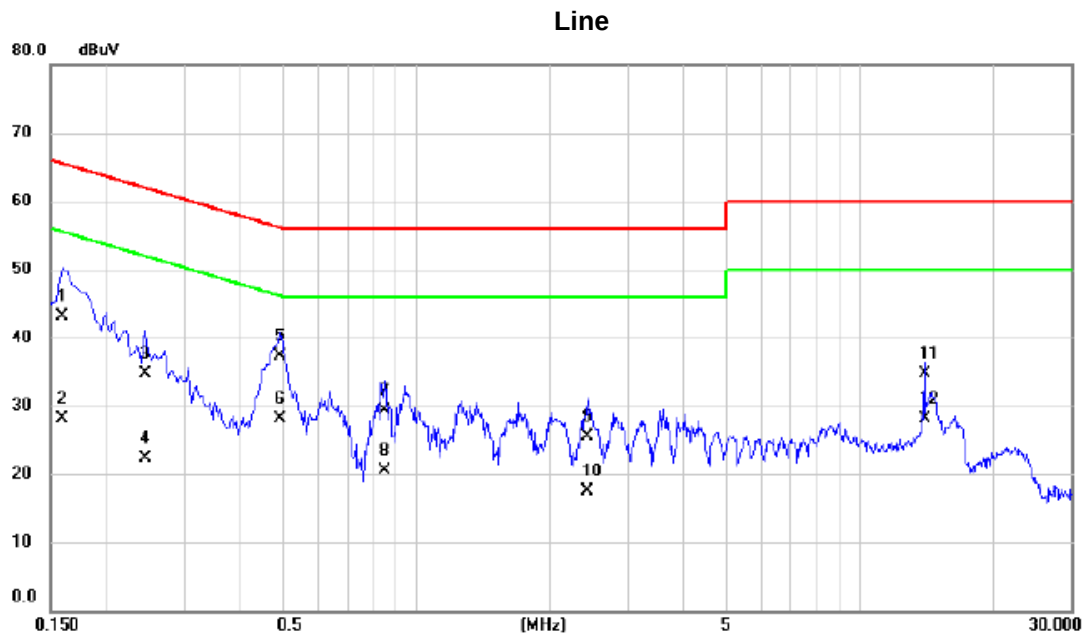


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1545	42.50	9.62	52.12	65.75	-13.63	QP	
2		0.1545	27.10	9.62	36.72	55.75	-19.03	AVG	
3		0.2175	35.10	9.68	44.78	62.91	-18.13	QP	
4		0.2175	18.80	9.68	28.48	52.91	-24.43	AVG	
5		0.4020	25.20	9.75	34.95	57.81	-22.86	QP	
6		0.4020	11.30	9.75	21.05	47.81	-26.76	AVG	
7		0.4830	23.50	9.82	33.32	56.29	-22.97	QP	
8		0.4830	12.60	9.82	22.42	46.29	-23.87	AVG	
9		1.3290	13.10	9.81	22.91	56.00	-33.09	QP	
10		1.3290	5.10	9.81	14.91	46.00	-31.09	AVG	
11		13.6410	22.00	10.12	32.12	60.00	-27.88	QP	
12		13.6410	11.00	10.12	21.12	50.00	-28.88	AVG	

REMARKS:

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

Test Mode : TX Mode Adapter: KA1201A-1201000US



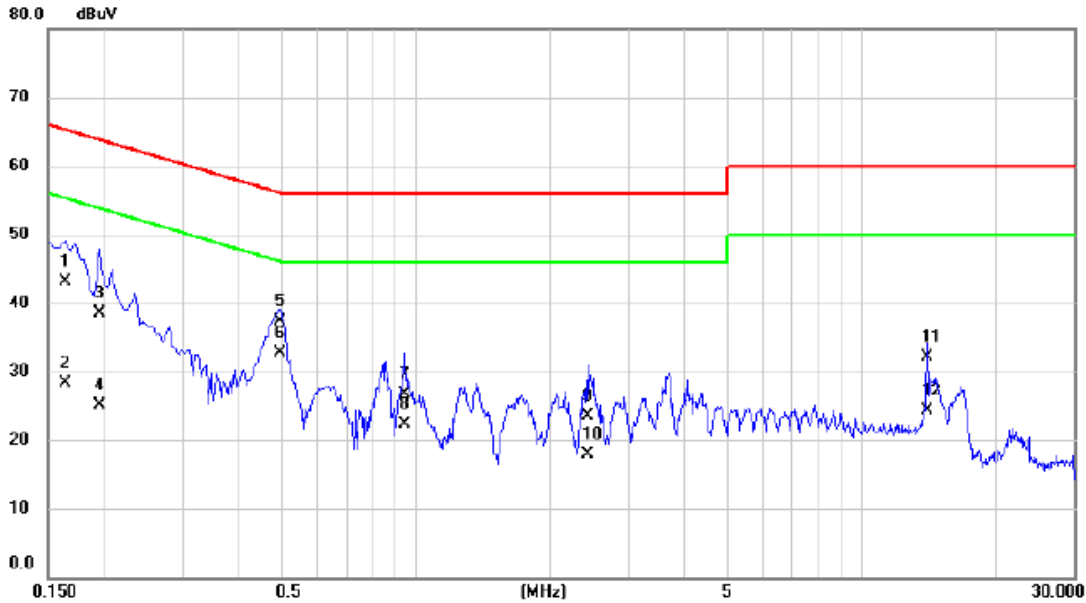
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1590	33.40	9.74	43.14	65.52	-22.38	QP	
2		0.1590	18.40	9.74	28.14	55.52	-27.38	AVG	
3		0.2445	24.90	9.79	34.69	61.94	-27.25	QP	
4		0.2445	12.60	9.79	22.39	51.94	-29.55	AVG	
5		0.4920	27.40	9.90	37.30	56.13	-18.83	QP	
6	*	0.4920	18.20	9.90	28.10	46.13	-18.03	AVG	
7		0.8520	19.60	9.79	29.39	56.00	-26.61	QP	
8		0.8520	10.70	9.79	20.49	46.00	-25.51	AVG	
9		2.4270	15.70	9.82	25.52	56.00	-30.48	QP	
10		2.4270	7.60	9.82	17.42	46.00	-28.58	AVG	
11		14.0010	24.60	10.19	34.79	60.00	-25.21	QP	
12		14.0010	17.90	10.19	28.09	50.00	-21.91	AVG	

REMARKS:

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

Test Mode : TX Mode Adapter: KA1201A-1201000US

Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1635	33.50	9.61	43.11	65.28	-22.17	QP	
2		0.1635	18.70	9.61	28.31	55.28	-26.97	AVG	
3		0.1950	28.90	9.63	38.53	63.82	-25.29	QP	
4		0.1950	15.40	9.63	25.03	53.82	-28.79	AVG	
5		0.4965	27.60	9.69	37.29	56.06	-18.77	QP	
6	*	0.4965	23.10	9.69	32.79	46.06	-13.27	AVG	
7		0.9420	16.90	9.72	26.62	56.00	-29.38	QP	
8		0.9420	12.50	9.72	22.22	46.00	-23.78	AVG	
9		2.4315	13.60	9.81	23.41	56.00	-32.59	QP	
10		2.4315	8.10	9.81	17.91	46.00	-28.09	AVG	
11		14.0010	21.90	10.15	32.05	60.00	-27.95	QP	
12		14.0010	14.20	10.15	24.35	50.00	-25.65	AVG	

REMARKS:

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

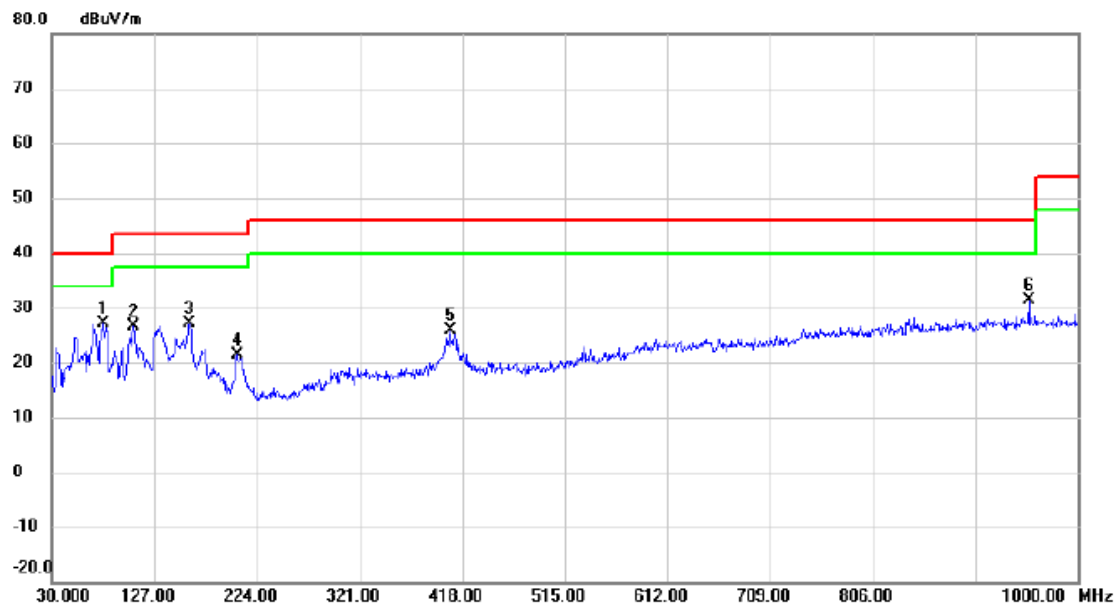
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode : TX Mode Adapter: WB-12G12FU (For DCS-8630LH)

Vertical



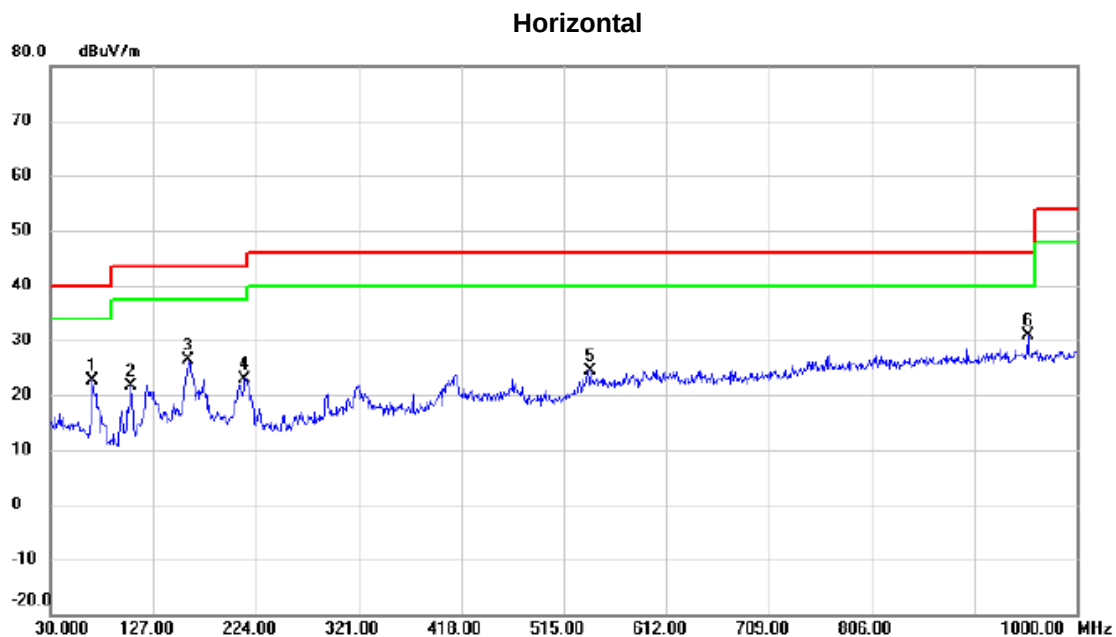
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	78.5000	47.32	-20.30	27.02	40.00	-12.98	peak	
2		107.1150	45.17	-18.65	26.52	43.50	-16.98	peak	
3		159.9800	42.47	-15.31	27.16	43.50	-16.34	peak	
4		204.6000	39.95	-18.65	21.30	43.50	-22.20	peak	
5		406.8450	39.39	-13.60	25.79	46.00	-20.21	peak	
6		953.4400	36.44	-5.13	31.31	46.00	-14.69	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12FU (For DCS-8630LH)



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		69.7700	41.98	-19.23	22.75	40.00	-17.25	peak	
2		105.6600	40.60	-18.90	21.70	43.50	-21.80	peak	
3		159.9800	41.74	-15.31	26.43	43.50	-17.07	peak	
4		213.3300	41.02	-18.20	22.82	43.50	-20.68	peak	
5		540.2200	35.91	-11.51	24.40	46.00	-21.60	peak	
6	*	953.4400	35.95	-5.13	30.82	46.00	-15.18	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12R (For DCS-8630LH)

Vertical



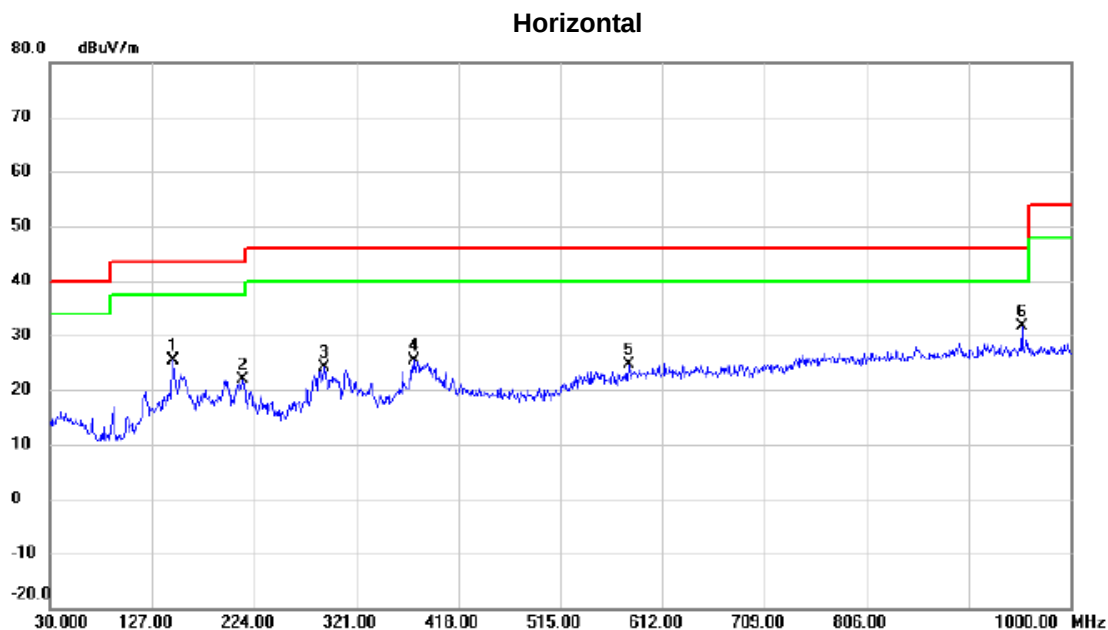
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		45.0350	39.98	-16.92	23.06	40.00	-16.94	peak	
2		89.1700	43.77	-20.45	23.32	43.50	-20.18	peak	
3		153.6750	41.84	-14.99	26.85	43.50	-16.65	peak	
4		195.3850	40.04	-18.61	21.43	43.50	-22.07	peak	
5		420.4250	37.98	-13.01	24.97	46.00	-21.03	peak	
6	*	953.4400	37.29	-5.13	32.16	46.00	-13.84	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12R (For DCS-8630LH)



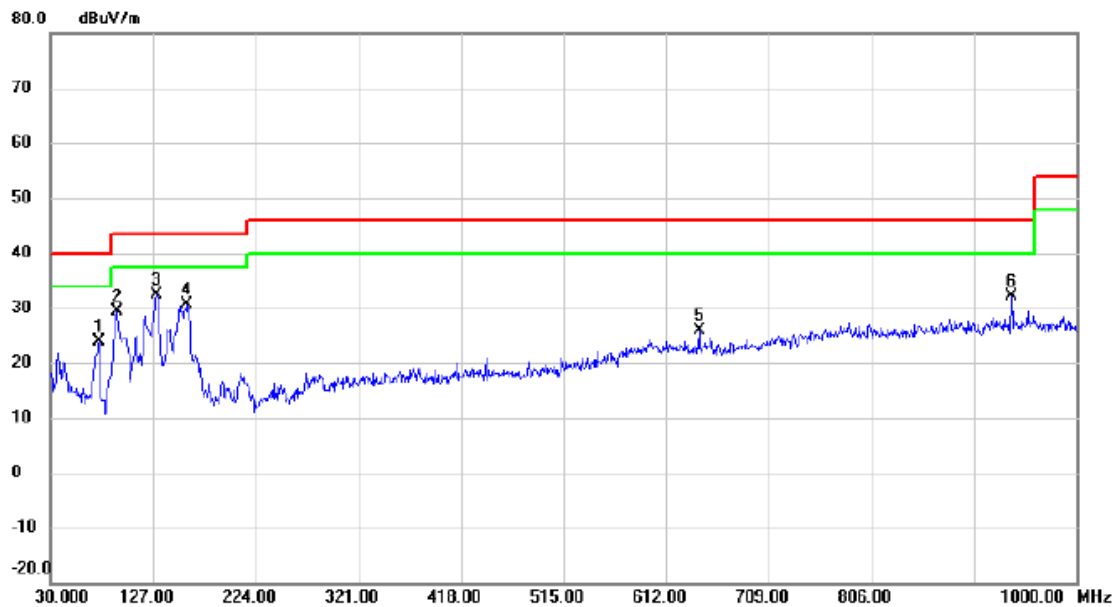
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		147.3700	40.42	-15.04	25.38	43.50	-18.12	peak	
2		212.8450	40.17	-18.21	21.96	43.50	-21.54	peak	
3		290.4450	39.06	-14.83	24.23	46.00	-21.77	peak	
4		375.3200	39.22	-13.87	25.35	46.00	-20.65	peak	
5		580.4750	34.19	-9.66	24.53	46.00	-21.47	peak	
6	*	953.4400	36.67	-5.13	31.54	46.00	-14.46	peak	

REMARKS:

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

Test Mode : TX Mode Adapter: KA1201A-1201000US (For For DCS-8630LH)

Vertical

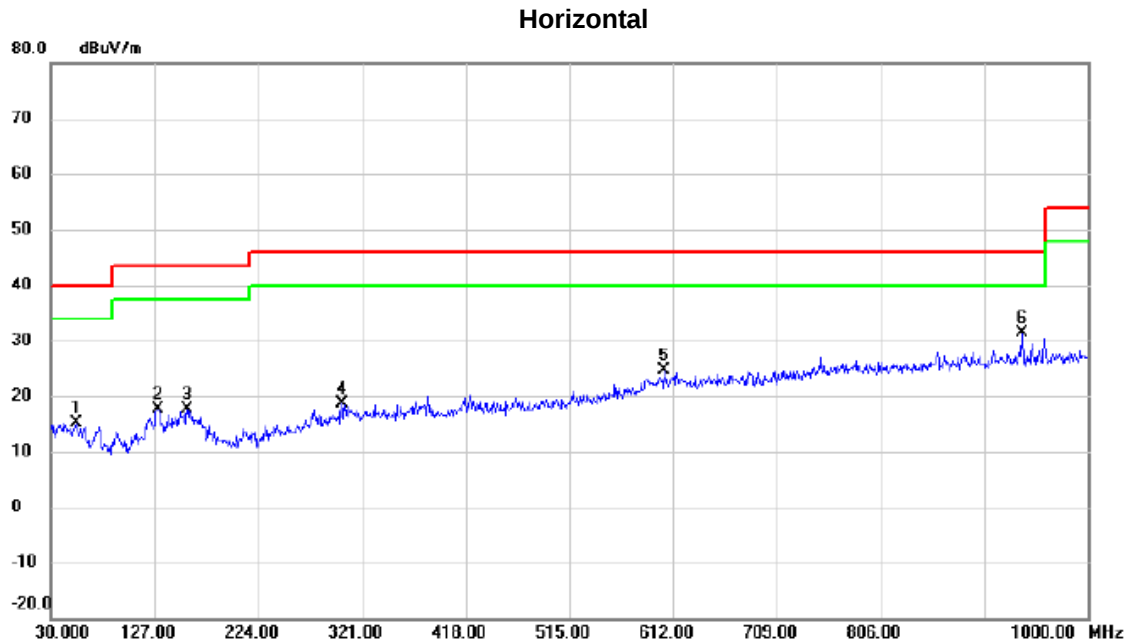


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		75.5900	44.25	-20.32	23.93	40.00	-16.07	peak	
2		92.5650	49.76	-20.39	29.37	43.50	-14.13	peak	
3	*	130.3950	49.18	-16.84	32.34	43.50	-11.16	peak	
4		159.0100	45.86	-15.26	30.60	43.50	-12.90	peak	
5		643.5250	34.46	-8.53	25.93	46.00	-20.07	peak	
6		937.9200	37.25	-5.20	32.05	46.00	-13.95	peak	

REMARKS:

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

Test Mode : TX Mode Adapter: KA1201A-1201000US (For For DCS-8630LH)



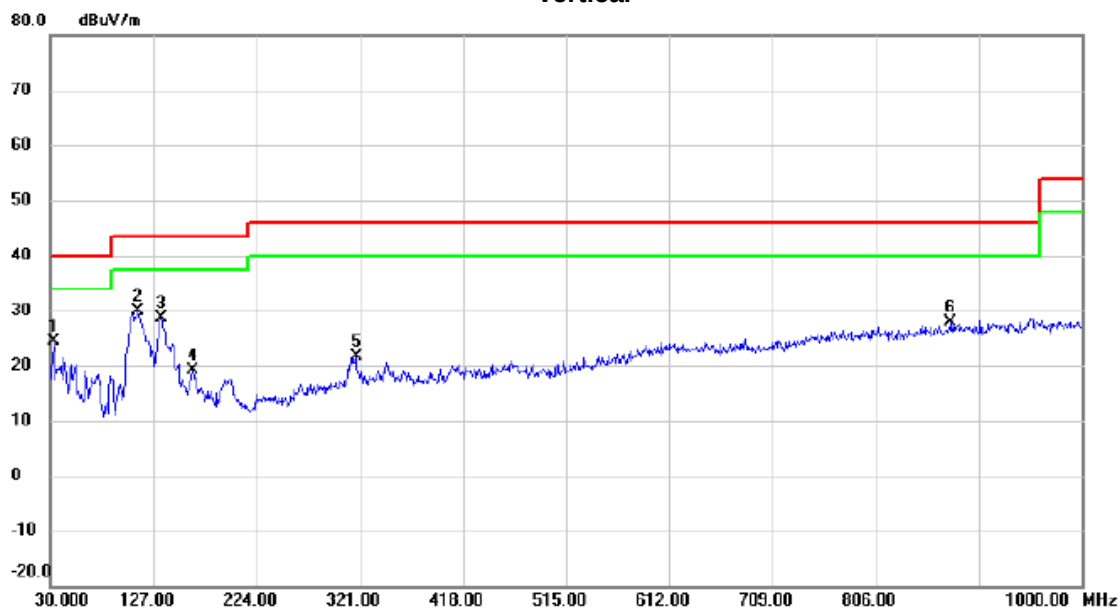
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		53.2800	32.48	-17.25	15.23	40.00	-24.77	peak	
2		129.9100	34.54	-16.88	17.66	43.50	-25.84	peak	
3		157.5550	32.84	-15.18	17.66	43.50	-25.84	peak	
4		302.0850	32.97	-14.28	18.69	46.00	-27.31	peak	
5		603.7550	33.15	-8.63	24.52	46.00	-21.48	peak	
6	*	938.4050	36.67	-5.20	31.47	46.00	-14.53	peak	

REMARKS:

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

Test Mode : TX Mode Adapter: WB-12G12FU (For DCS-8627LH)

Vertical



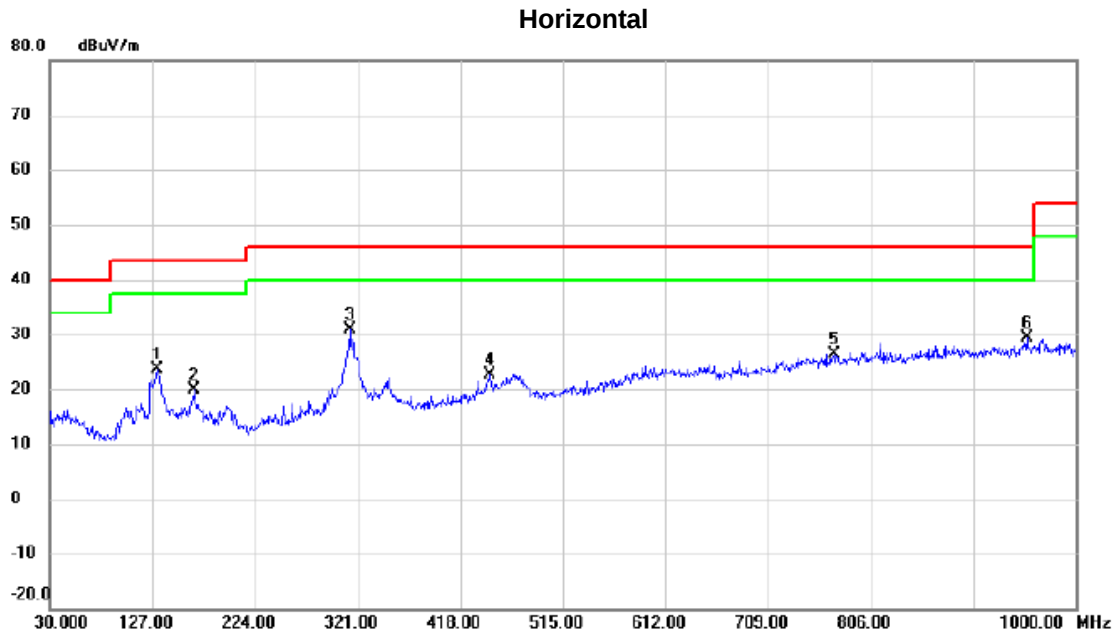
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		32.9100	41.78	-17.29	24.49	40.00	-15.51	peak	
2	*	111.4800	47.95	-18.01	29.94	43.50	-13.56	peak	
3		133.7900	45.08	-16.43	28.65	43.50	-14.85	peak	
4		163.8600	34.45	-15.42	19.03	43.50	-24.47	peak	
5		317.1200	35.60	-14.04	21.56	46.00	-24.44	peak	
6		876.8100	33.50	-5.70	27.80	46.00	-18.20	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12FU (For DCS-8627LH)

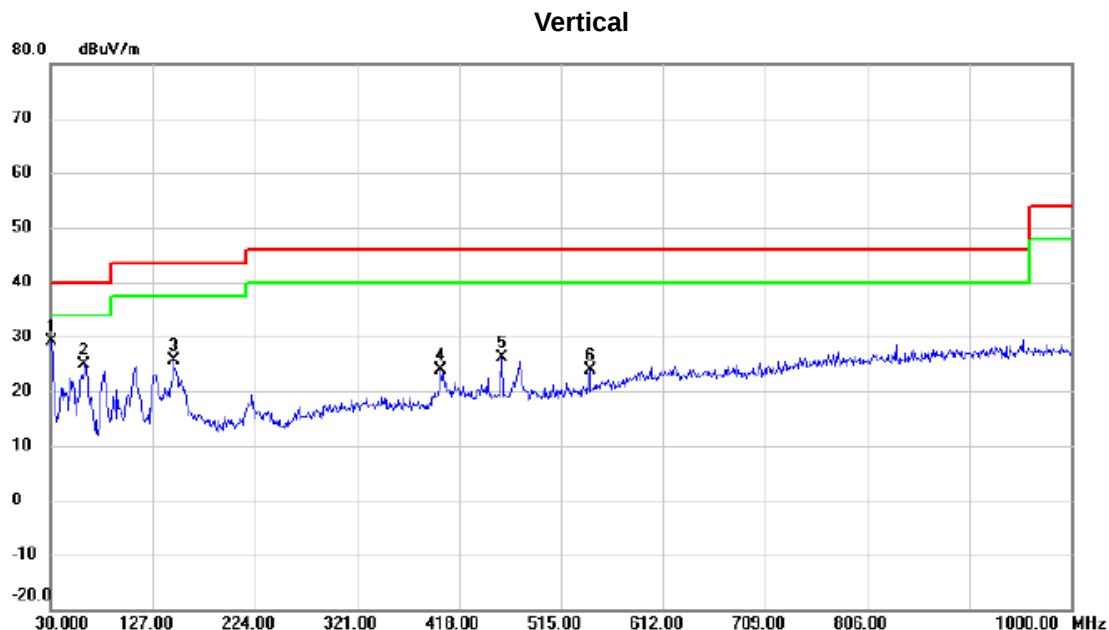


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		131.8500	40.39	-16.67	23.72	43.50	-19.78	peak	
2		166.7700	35.28	-15.52	19.76	43.50	-23.74	peak	
3	*	313.2400	45.01	-14.10	30.91	46.00	-15.09	peak	
4		445.1600	35.52	-12.92	22.60	46.00	-23.40	peak	
5		771.0800	33.04	-6.58	26.46	46.00	-19.54	peak	
6		953.4400	34.59	-5.13	29.46	46.00	-16.54	peak	

REMARKS:

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

Test Mode : TX Mode Adapter: WB-12G12R (For DCS-8627LH)



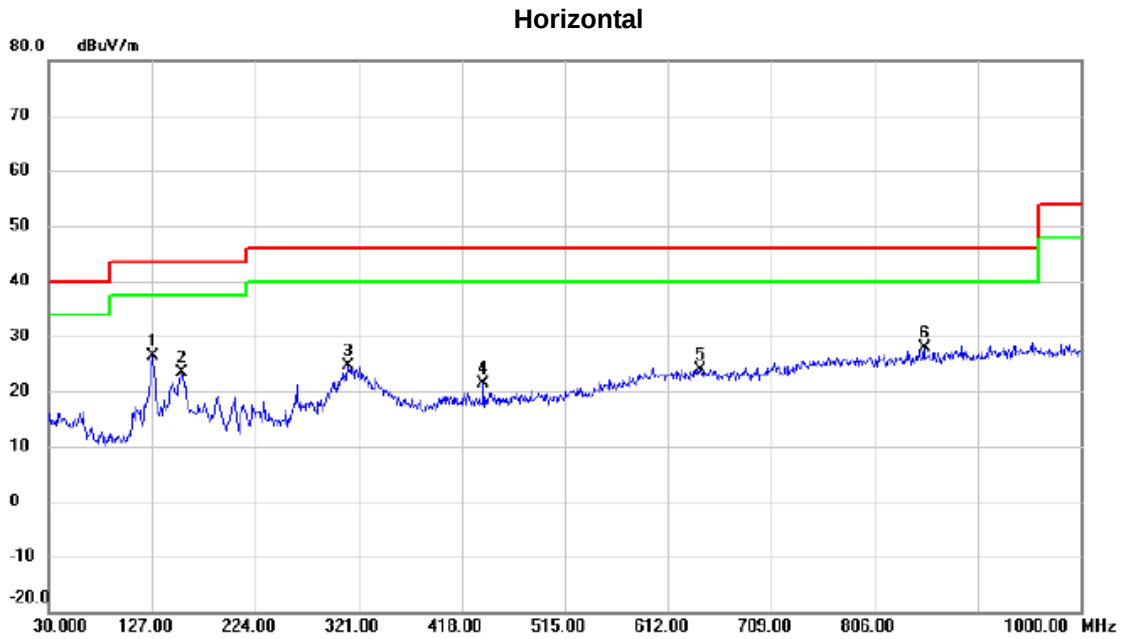
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.9700	46.35	-17.32	29.03	40.00	-10.97	peak	
2		62.0100	43.11	-18.11	25.00	40.00	-15.00	peak	
3		146.4000	40.63	-15.12	25.51	43.50	-17.99	peak	
4		400.5400	37.69	-13.89	23.80	46.00	-22.20	peak	
5		458.7400	38.98	-12.92	26.06	46.00	-19.94	peak	
6		542.1600	35.41	-11.46	23.95	46.00	-22.05	peak	

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX Mode Adapter: WB-12G12R (For DCS-8627LH)



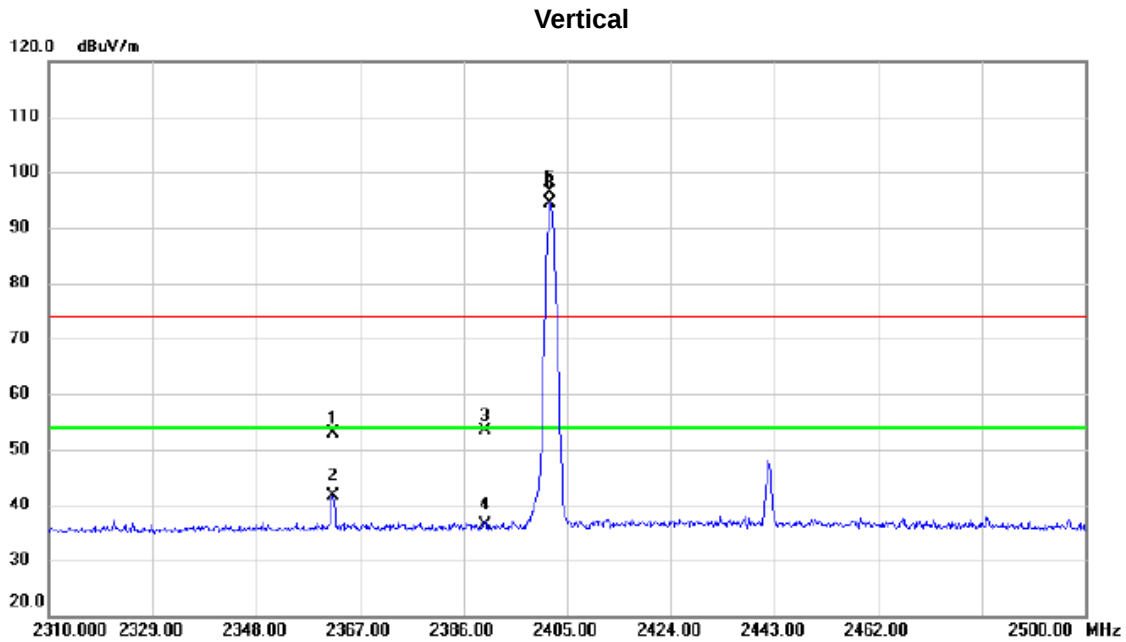
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	127.0000	43.30	-16.94	26.36	43.50	-17.14	peak	
2		154.1600	38.43	-15.01	23.42	43.50	-20.08	peak	
3		311.3000	38.85	-14.14	24.71	46.00	-21.29	peak	
4		438.3700	34.36	-12.93	21.43	46.00	-24.57	peak	
5		642.0700	32.51	-8.53	23.98	46.00	-22.02	peak	
6		852.5600	33.88	-6.00	27.88	46.00	-18.12	peak	

REMARKS:

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

APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ

Test Mode : TX 2402 MHz _CH00_1Mbps



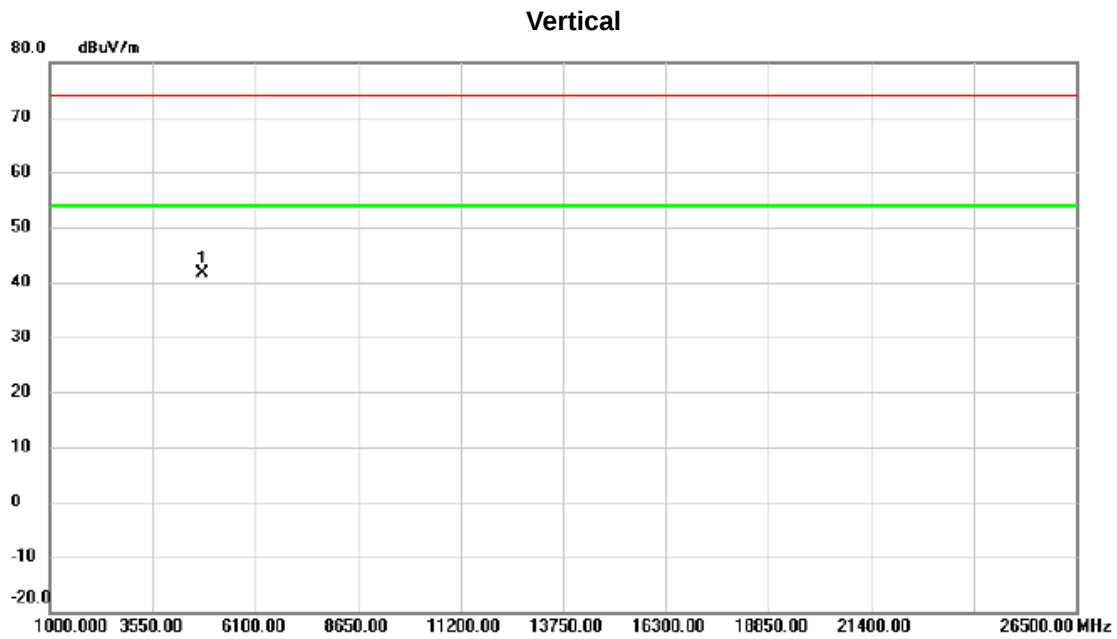
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2362.155	20.59	32.31	52.90	74.00	-21.10	peak	
2		2362.155	9.31	32.31	41.62	54.00	-12.38	AVG	
3		2390.000	20.95	32.39	53.34	74.00	-20.66	peak	
4		2390.000	3.91	32.39	36.30	54.00	-17.70	AVG	
5	X	2401.922	63.95	32.42	96.37	74.00	22.37	peak	No limit
6	*	2401.922	62.04	32.42	94.46	54.00	40.46	AVG	No limit

REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX 2402 MHz _CH00_1Mbps

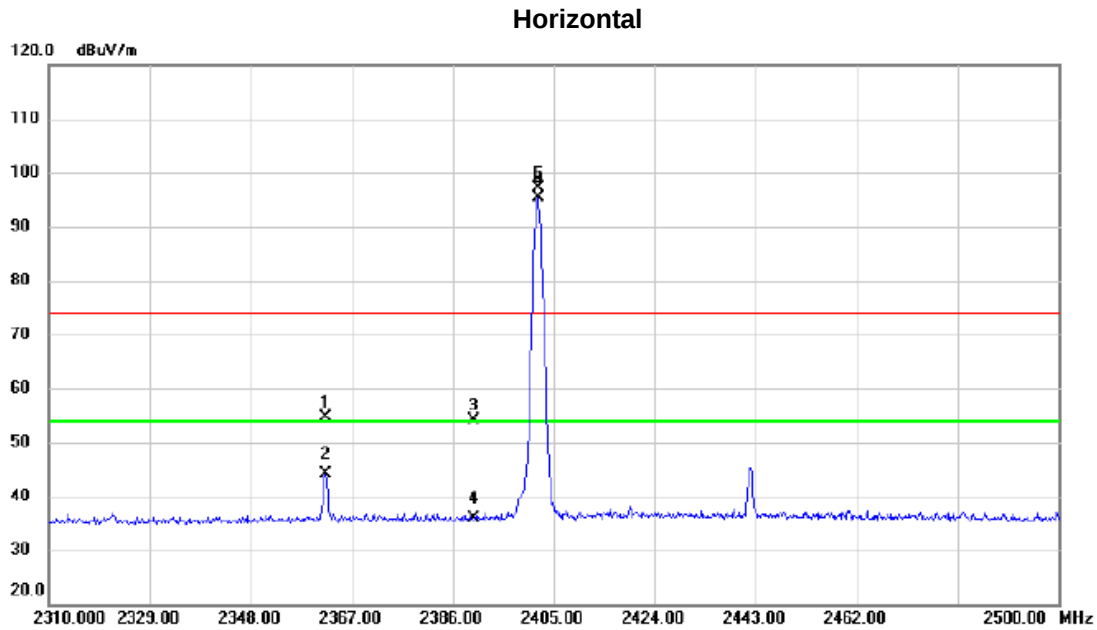


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4804.000	51.43	-9.77	41.66	74.00	-32.34	peak	

REMARKS:

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

Test Mode : TX 2402 MHz _CH00_1Mbps



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2361.984	22.36	32.31	54.67	74.00	-19.33	peak	
2		2361.984	11.89	32.31	44.20	54.00	-9.80	AVG	
3		2390.000	21.79	32.39	54.18	74.00	-19.82	peak	
4		2390.000	3.57	32.39	35.96	54.00	-18.04	AVG	
5	X	2402.055	64.76	32.42	97.18	74.00	23.18	peak	No limit
6	*	2402.055	62.93	32.42	95.35	54.00	41.35	AVG	

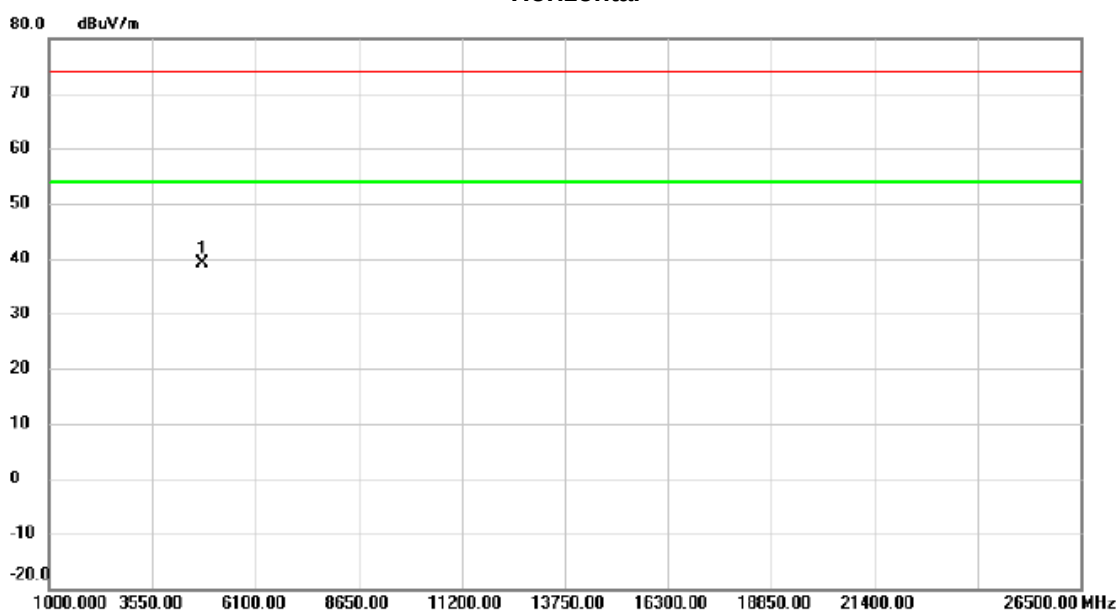
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX 2402 MHz _CH00_1Mbps

Horizontal



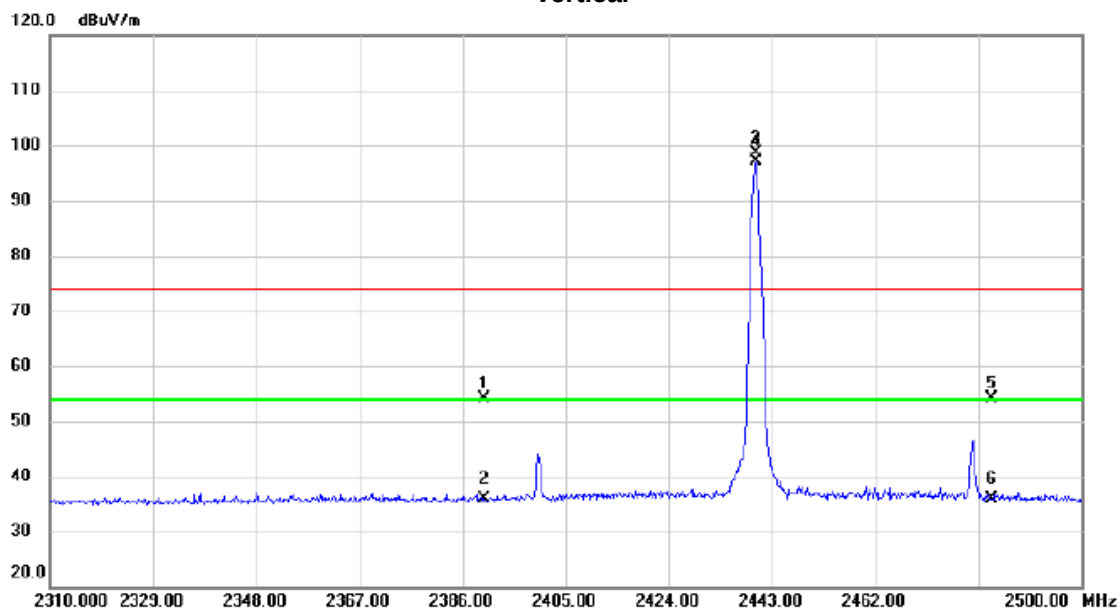
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4804.000	48.99	-9.77	39.22	74.00	-34.78	peak	

REMARKS:

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

Test Mode : TX 2440 MHz _CH19_1Mbps

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	21.85	32.39	54.24	74.00	-19.76	peak	
2		2390.000	3.45	32.39	35.84	54.00	-18.16	AVG	
3	X	2440.112	66.08	32.53	98.61	74.00	24.61	peak	No limit
4	*	2440.112	64.48	32.53	97.01	54.00	43.01	AVG	No limit
5		2483.500	21.35	32.66	54.01	74.00	-19.99	peak	
6		2483.500	3.19	32.66	35.85	54.00	-18.15	AVG	

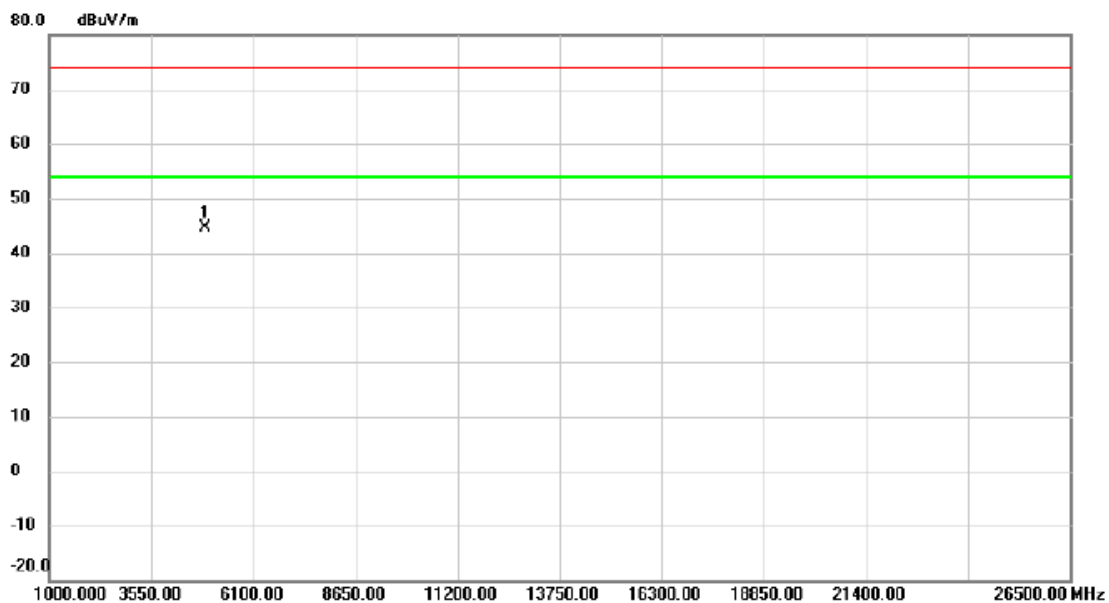
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX 2440 MHz _CH19_1Mbps

Vertical



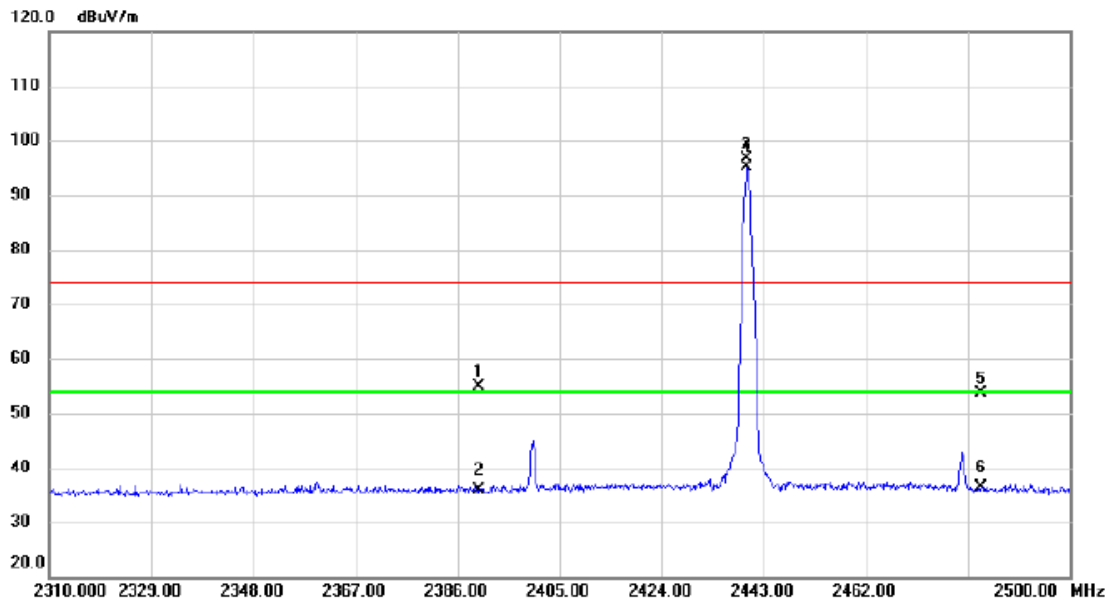
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4880.000	54.15	-9.48	44.67	74.00	-29.33	peak	

REMARKS:

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

Test Mode : TX 2440 MHz _CH19_1Mbps

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		2390.000	22.38	32.39	54.77	74.00	-19.23	peak	
2		2390.000	3.38	32.39	35.77	54.00	-18.23	AVG	
3	X	2439.903	64.09	32.53	96.62	74.00	22.62	peak	No limit
4	*	2439.903	62.65	32.53	95.18	54.00	41.18	AVG	No limit
5		2483.500	20.92	32.66	53.58	74.00	-20.42	peak	
6		2483.500	3.83	32.66	36.49	54.00	-17.51	AVG	

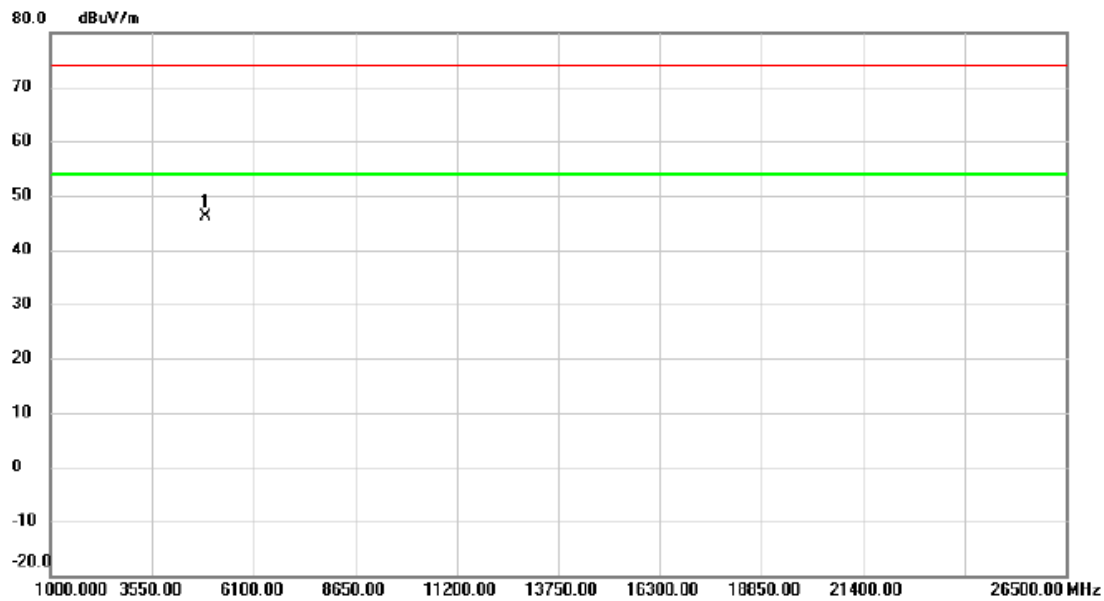
REMARKS:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

Test Mode : TX 2440 MHz _CH19_1Mbps

Horizontal



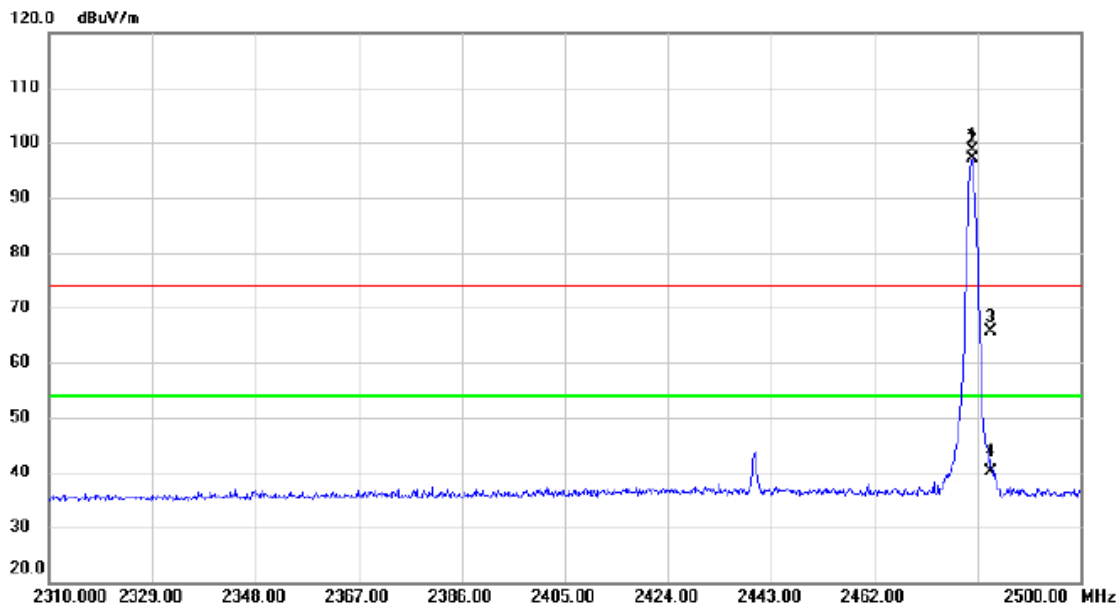
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4881.100	55.72	-9.48	46.24	74.00	-27.76	peak	

REMARKS:

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

Test Mode : TX 2480 MHz _CH39_1Mbps

Vertical



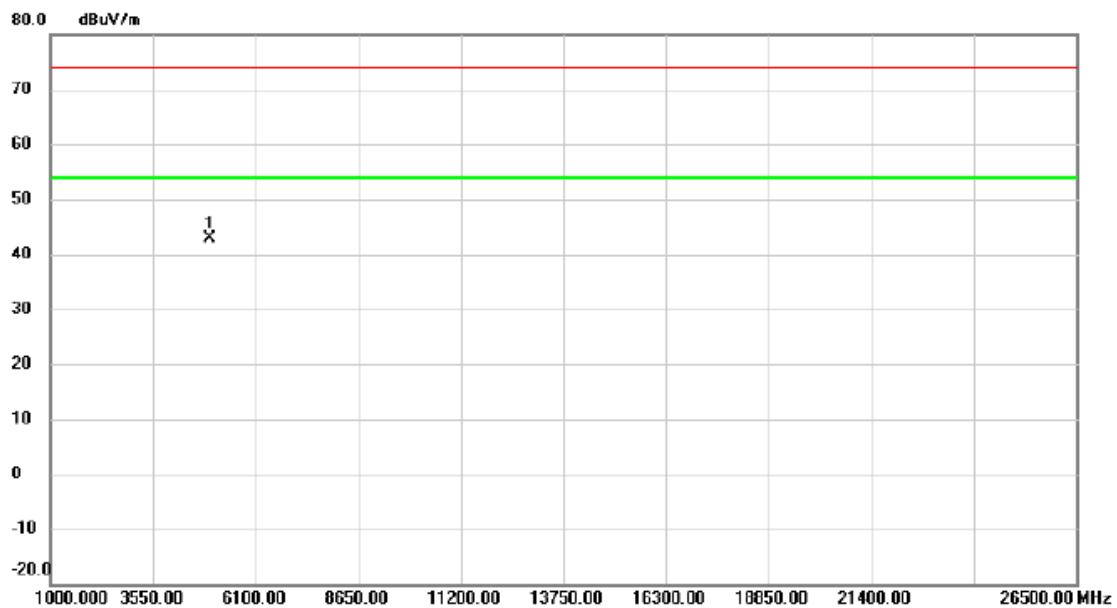
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2479.993	65.93	32.65	98.58	74.00	24.58	peak	No limit
2	*	2479.993	64.55	32.65	97.20	54.00	43.20	AVG	No limit
3		2483.500	33.08	32.66	65.74	74.00	-8.26	peak	
4		2483.500	7.53	32.66	40.19	54.00	-13.81	AVG	

REMARKS:

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

Test Mode : TX 2480 MHz _CH39_1Mbps

Vertical

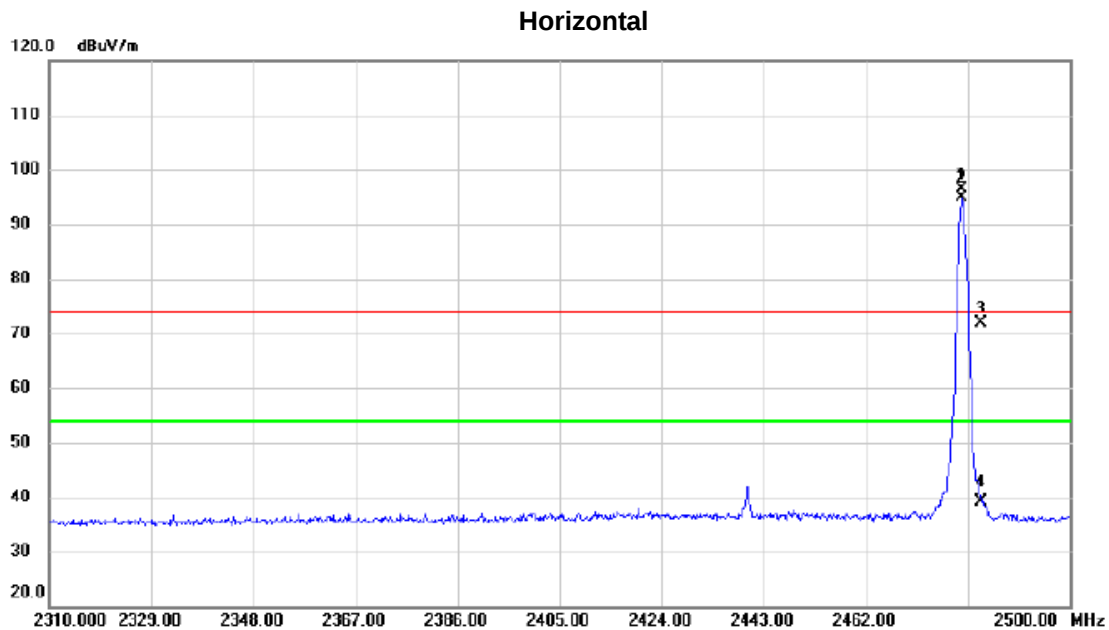


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.000	52.06	-9.17	42.89	74.00	-31.11	peak	

REMARKS:

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

Test Mode : TX 2480 MHz _CH39_1Mbps

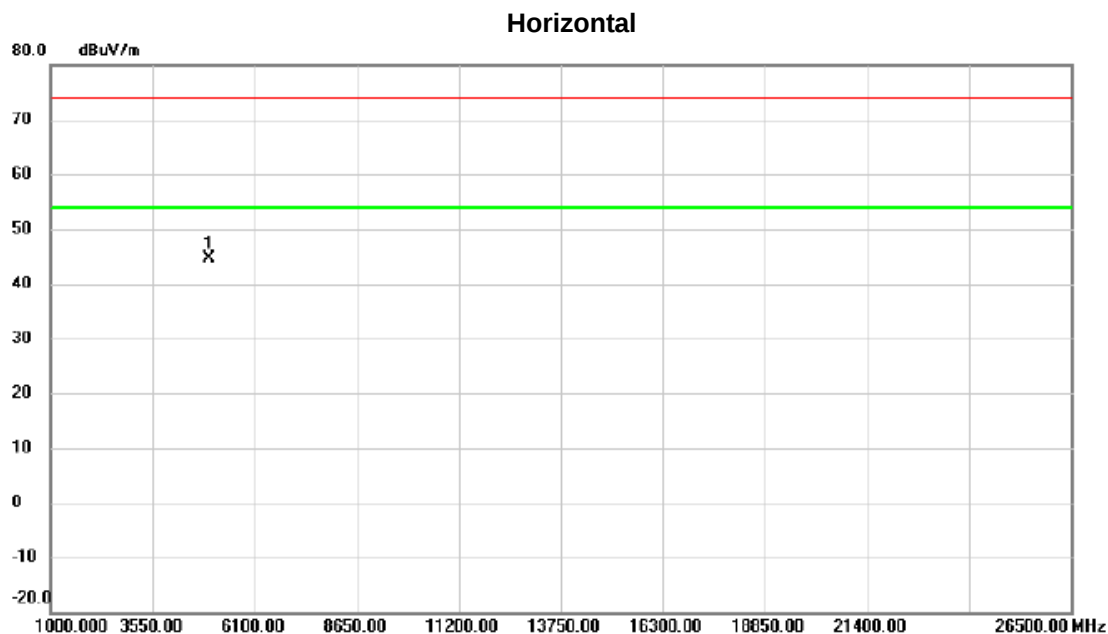


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	X	2479.898	63.67	32.65	96.32	74.00	22.32	peak	No limit
2	*	2479.898	62.22	32.65	94.87	54.00	40.87	AVG	No limit
3		2483.500	39.26	32.66	71.92	74.00	-2.08	peak	
4		2483.500	6.57	32.66	39.23	54.00	-14.77	AVG	

REMARKS:

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

Test Mode : TX 2480 MHz _CH39_1Mbps



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.000	53.84	-9.17	44.67	74.00	-29.33	peak	

REMARKS:

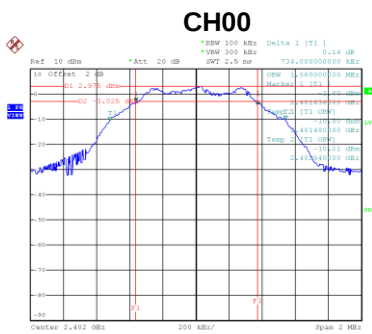
- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

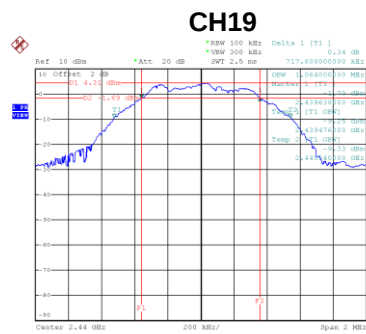
Test Mode:	CH00, CH19 , CH39 - 1Mbps
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Test Result
00	2402	0.734	1.020	500	Pass
19	2440	0.718	1.026	500	Pass
39	2480	0.740	1.020	500	Pass

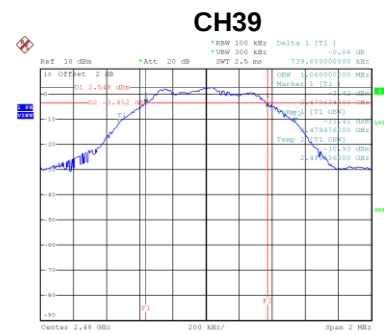
6dB Bandwidth



Date: 15.JAN.2020 16:59:15

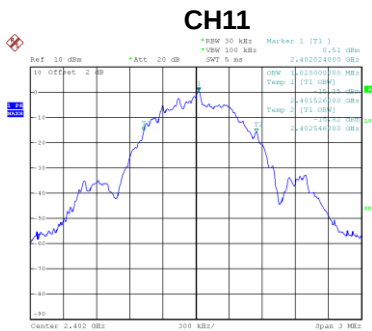


Date: 15.JAN.2020 17:02:43

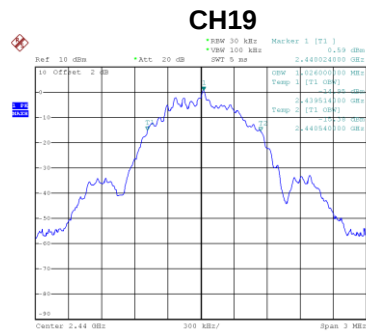


Date: 15.JAN.2020 17:04:43

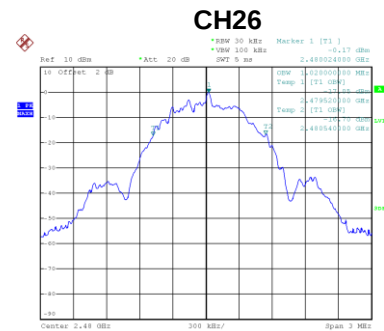
99% Emission Bandwidth



Date: 15.JAN.2020 16:16:47



Date: 15.JAN.2020 16:16:25



Date: 15.JAN.2020 16:15:32

APPENDIX F - MAXIMUM OUTPUT POWER

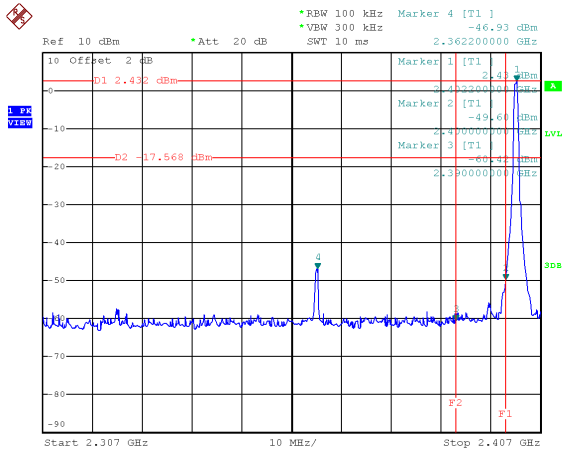
Test Mode :	CH00, CH19 , CH39 - 1Mbps
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Frequency (MHz)	Output Power (dBm)	Output Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	4.98	0.0031	30.00	1.00	Pass
2440	5.13	0.0033	30.00	1.00	Pass
2480	3.52	0.0022	30.00	1.00	Pass

APPENDIX G - CONDUCTED SPURIOUS EMISSION

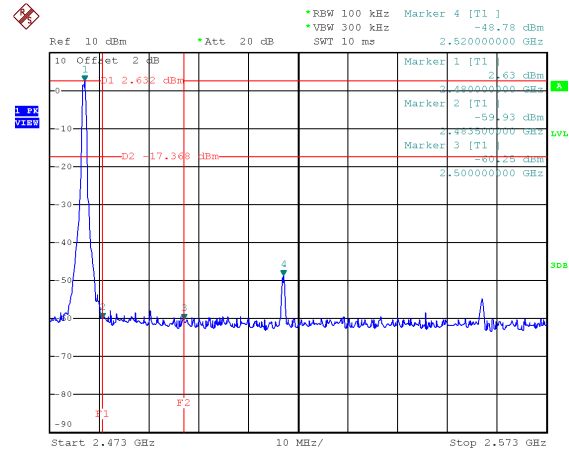
Test Mode : CH00, CH19 , CH39 - 1Mbps

Bandedge CH00 (Lower)



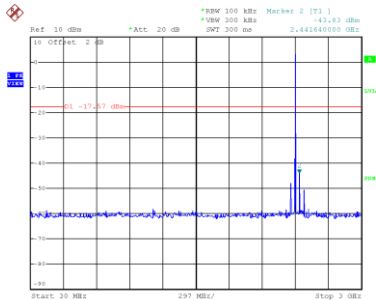
Date: 15.JAN.2020 16:59:39

Bandedge CH39 (Upper)

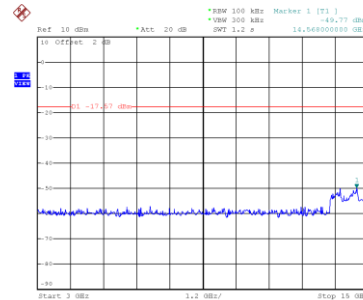


Date: 15.JAN.2020 17:05:07

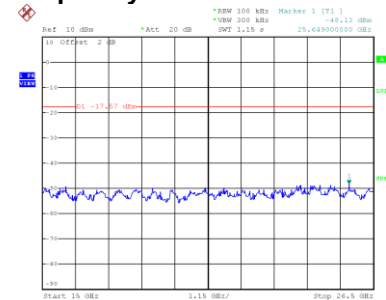
CH00 – 10th Harmonic of the fundamental frequency



Date: 15.JAN.2020 17:00:13

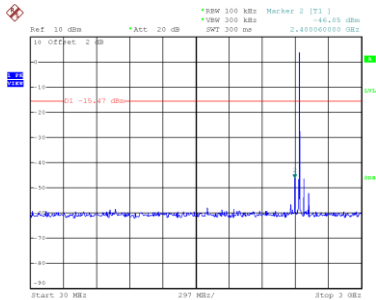


Date: 15.JAN.2020 17:00:14

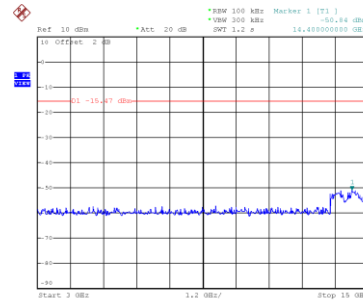


Date: 15.JAN.2020 17:00:17

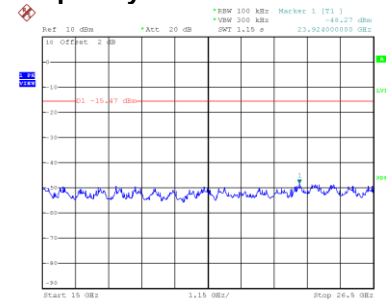
CH19 – 10th Harmonic of the fundamental frequency



Date: 15.JAN.2020 17:03:20

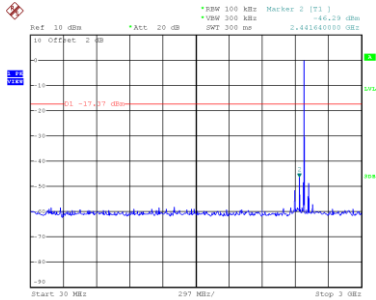


Date: 15.JAN.2020 17:03:26

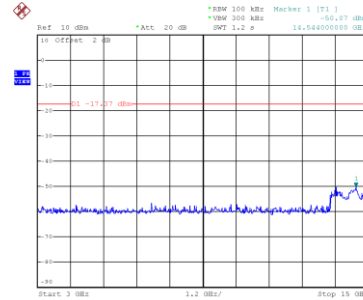


Date: 15.JAN.2020 17:03:33

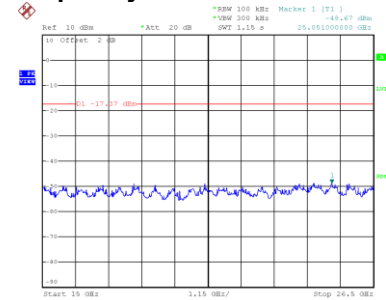
CH39 – 10th Harmonic of the fundamental frequency



Date: 15.JAN.2020 17:05:20



Date: 15.JAN.2020 17:05:26

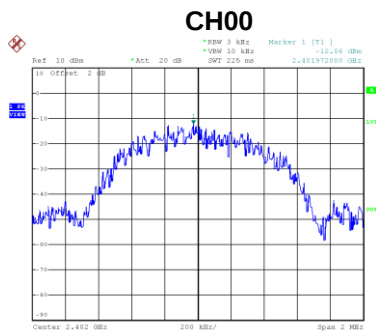


Date: 15.JAN.2020 17:05:33

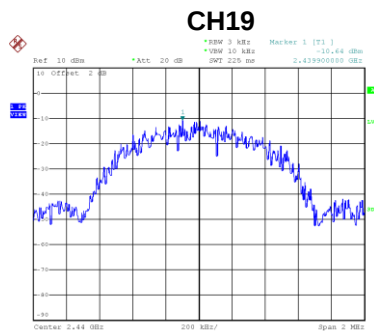
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode:	CH00, CH19 , CH39 - 1Mbps
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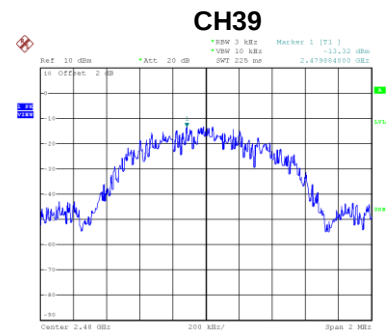
Channel	Frequency (MHz)	Power Spectral Density (dBm/3 kHz)	Max. Limit (dBm/3 kHz)	Test Result
00	2402	-12.06	8.00	Pass
19	2440	-10.64	8.00	Pass
39	2480	-13.32	8.00	Pass



Date: 15.JAN.2020 17:01:18



Date: 15.JAN.2020 17:03:39



Date: 15.JAN.2020 17:05:39

End of Test Report