

Test Report No:
2650088R-RFUSV01S-A

TEST REPORT

FCC Rules&Regulations

Product Name	Dual-WAN Security Router
Brand Name	DrayTek
Model No.	Vigor2928be, Vigor2867be, Vigor1220be
FCC ID	VGY2928BE
Applicant's Name / Address	Draytek Corporation No. 26, Fu Shing Road, Hukou County, Hsin-Chu Industrial Park, Hsinchu, Taiwan
Manufacturer's Name / Address	Draytek Corporation No. 26, Fu Shing Road, Hukou County, Hsin-Chu Industrial Park, Hsinchu, Taiwan
Test Method Requested, Standard	FCC CFR Title 47 Part 15 Subpart C Section 15.247 ANSI C63.10-2020
Verdict Summary	IN COMPLIANCE
Documented By	 Hailey Peng
Approved By	 Rueyyan Lin
Date of Receipt	May 07, 2026
Date of Issue	Sep. 18, 2026
Report Version	V1.0

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Competences and Guarantees

DEKRA is a testing laboratory competent to carry out the tests described in this report.

In order to assure the traceability to other national and international laboratories, DEKRA has a calibration and maintenance program for its measurement equipment.

DEKRA guarantees the reliability of the data presented in this report, which is the result of the measurements and the tests performed to the item under test on the date and under the conditions stated in the report and it is based on the knowledge and technical facilities available at DEKRA at the time of performance of the test.

DEKRA is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.

The results presented in this Test Report apply only to the particular item under test established in this document.

IMPORTANT: No parts of this report may be reproduced or quoted out of context, in any form or by any means, except in full, without the previous written permission of DEKRA.

General Conditions

1. The test results relate only to the samples tested.
2. The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.
3. This report must not be used to claim product endorsement by TAF or any agency of the government.
4. The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.
5. Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Revision History

Version	Description	Issued Date
V1.0	Initial issue of report	Sep. 18, 2026

Summary of Test Result

Report Clause	Test Items	Result (PASS/FAIL)	Remark
3	AC Power Line Conducted Emission	PASS	-
4	Occupied Bandwidth & DTS Bandwidth	PASS	-
5	Maximum Conducted Output Power	PASS	-
6	Maximum Power Spectral Density	PASS	-
7	Antenna Port Conducted Emission	PASS	-
8	Transmitter Radiated Spurious Emission	PASS	-

Comments and Explanations

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Comments and Remarks

The product specification and testing instructions for the EUT declared in the report are provided by the manufacturer who will take all responsibilities for the accuracy.

1. General Information

1.1. EUT Description

Frequency Range	2400 ~ 2483.5 MHz	
Operating Frequency	IEEE 802.11b/g IEEE 802.11n/ax/be, VHT (20 MHz)	2412 ~ 2462 MHz
	IEEE 802.11n/ax/be, VHT (40 MHz)	2422 ~ 2452 MHz
Channel Number	IEEE 802.11b/g IEEE 802.11n/ax/be, VHT (20 MHz)	11 Channels
	IEEE 802.11n/ax/be, VHT (40 MHz)	7 Channels
Type of Modulation	IEEE 802.11b	DSSS-DBPSK, DQPSK, CCK
	IEEE 802.11g/n	OFDM-BPSK, QPSK, 16QAM, 64QAM
	IEEE 802.11ax	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
	IEEE 802.11be	OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM
	VHT	OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM

Accessories Information				
No.	Equipment Name	Brand Name	Model No.	Rating
1	Adapter 1	CWT	600036F	INPUT: 100~240V, 50/60Hz, 1.3A. OUTPUT: 36.0W, 12.0V=3.0A
2	Adapter 2	MOSO	V30-V3000R120-036T0 US	INPUT: 100~240V, 50/60Hz, 1.0A max. OUTPUT: 36.0W, 12.0V=3.0A

The difference for each model is shown as below:

Model No.	WAN			Color of the Top Cover
	DSL	SFP+	XGS-PON	
Vigor 2867be	V(vdsl2/35b)	X	X	White
Vigor 2928be	X	V	X	Black
Vigor 1220be	X	X	V	White

"V" indicates available, and "X" indicates not available.

Antenna Information					
Ant.	Brand Name	Model No.	Type	Gain (dBi)	Directional Gain (dBi)
1	HL GLOBAL	PC2455WOC01DR-P3M48-BZKLB145IC3	PCB	4.20	9.79
2	HL GLOBAL	PC2455WOC02DR-P3M48-BZK-LB91IC1	PCB	5.10	
3	INPAQ	RFDPA191700SBLB804	Dipole	2.77	
4	INPAQ	RFDPA191700SBLB804	Dipole	2.77	

$$\text{Directional Gain} = 10 \log \left[\left(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20} \right)^2 / N_{\text{Ant}} \right]$$

For IEEE 802.11b/g/n/ax, VHT Mode: (4TX, 4RX)

Ant. 1 to Ant. 4 can each function as both transmitting and receiving antennas, and all four antennas can transmit and receive signals simultaneously.

1.2. EUT Information

EUT Power Type	From Adapter			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit of 802.11ax	☒	Full RU	☐	Partial RU

1.3. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 662911 D01 v02r01
- ♦ KDB 414788 D01 v01r01

1.4. Testing Location Information

Testing Location Information		
Test Laboratory : DEKRA Testing and Certification Co., Ltd.		
1 (TAF: 3024)	ADD: No.372-2, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
2 (TAF: 3024)	ADD: No.372, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County 31061, Taiwan, R.O.C. TEL: +886-3-582-8001 FAX: +886-3-582-8958 Test site Designation No. TW3024 with FCC. Conformity Assessment Body Identifier (CABID) TW3024 with ISED.	
Test site number for address 1 includes HC-SR02 and HC-CB10. Test site number for address 2 includes HC-CB02, HC-CB04, HC-SR10 and HC-SR12.		

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
AC Conduction Emission	HC-SR02	Cyril Chen	20~25 / 60~65	2026/05/28
RF Conducted Emission	HC-SR12	Clemens Fang	22.4~24.2 / 52.4~54.2	2026/05/30~2026/06/04
Radiated Emission	HC-CB04	Brook Cheng, Cyril Chen	23~24 / 55~60	2026/05/25~2026/05/29

1.5. Measurement Uncertainty

Uncertainties have been calculated according to the DEKRA internal document 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)).

Test Item	Uncertainty
AC Power Line Conducted Emission	± 2.39 dB
Occupied Bandwidth & DTS Bandwidth	± 636.54 Hz
Maximum Conducted Output Power	± 1.11 dB
Maximum Power Spectral Density	± 1.74 dB
Antenna Port Conducted Emission	± 1.74 dB
Transmitter Radiated Spurious Emission	± 3.72 dB below 1 GHz ± 3.18 dB above 1 GHz

1.6. List of Test Equipment

HC-SR02

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
EMI Test Receiver	R&S	ESC17	100879	9 kHz - 3.6 GHz	2025/08/20	2026/08/19
Artificial Mains Network	R&S	ENV 4200	848411/010	9kHz-30MHz, 4line/100A	2025/12/10	2026/12/09
Two-Line V-Network	R&S	ENV216	100096	9kHz-30MHz	2025/06/26	2026/06/25
Coaxial Cable(9 m)	Harbour	RG-400	HC-SR02	9 kHz–2500 MHz	2025/08/15	2026/08/14
EMI Testing System	Audix	e3 210616 dekra V9	HC-SR02	N/A	N/A	N/A

HC-SR12

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Signal & Spectrum Analyzer	R&S	FSV40	101869	10Hz-40GHz	2025/06/17	2026/06/16
USB Peak Power Sensor	Anritsu	MA24408A	11840	50 MHz to 8 GHz, High VBW(165 MHz / 350 kHz)	2025/07/18	2026/07/17

HC-CB04

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Cal. Date	Next Cal. Date
Magnetic Loop Antenna	Teseq	HLA 6121	44287	9kHz-30 MHz	2025/10/20	2026/10/19
Signal and Spectrum Analyzer	R&S	FSVA40	101435	10 Hz-40 GHz	2026/05/11	2027/05/10
Trilog Broadband Antenna	Schwarzbeck	VULB 9168	1209	30 MHz-2 GHz	2025/06/17	2026/06/16
Double Ridged Horn Antenna	RF SPIN	DRH18-E	211212A18EN	1G-18GHz	2025/11/03	2026/11/02
Horn Antenna	Schwarzbeck	BBHA 9170	203	18G-40GHz	2025/12/04	2026/12/03
Pre-Amplifier	DEKRA	AP-400C	201801231	18G-40 GHz,48 dB	2025/10/16	2026/10/15
Coaxial Cable	Huber+Suhner	SF104	HC-CB04	30 MHz-18 GHz, 11m	2025/08/07	2026/08/06
Coaxial Cable	Huber+SGH	SF104	HC-CB04-1	1 GHz-18 GHz, 12m	2026/03/12	2027/03/11
Coaxial Cable	Huber+Suhner, Rosnol	SF102_UP0264	HC-CB04-1	18-40 GHz, 3m	2025/08/13	2026/08/12
Pre-Amplifier	EMEC	EM01G18GA	060835	1-18 GHz,50 dB	2025/07/09	2026/07/08
Pre-Amplifier	EMCI	EMC003240	980324	0.3-2500 MHz, 40 dB	2024/10/28	2026/10/27
Preamplifier	SGH	PRAMP0510	20200703	1G-8GHz	2026/01/10	2027/01/09
Radiated Software	AUDIX	e3 V9	HC-CB04_1	N/A	N/A	N/A

Note: All equipment upon which need to calibrated are with calibration period of 1 year.

2. Test Configuration of EUT

2.1. Test Condition

EUT Operational Condition	
Testing Voltage	AC 120V/60Hz

2.2. Test Frequency Mode

Test Software Version	MT7992 QA 0.0.2.106
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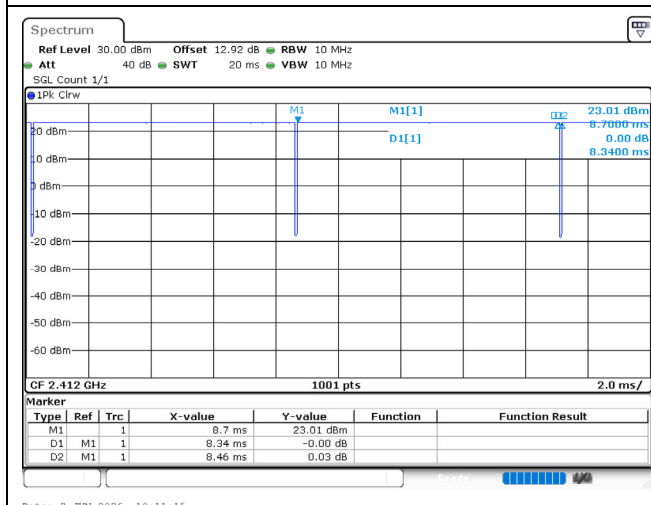
Modulation	Frequency (MHz)	Power Setting
802.11b	2412	17.5
	2437	21.0
	2462	17.5
802.11g	2412	17.0
	2437	20.0
	2462	17.0
802.11be (20 MHz)	2412	16.5
	2437	20.0
	2462	18.0
802.11be (40 MHz)	2422	17.0
	2437	18.0
	2452	17.5

2.3. Duty Cycle

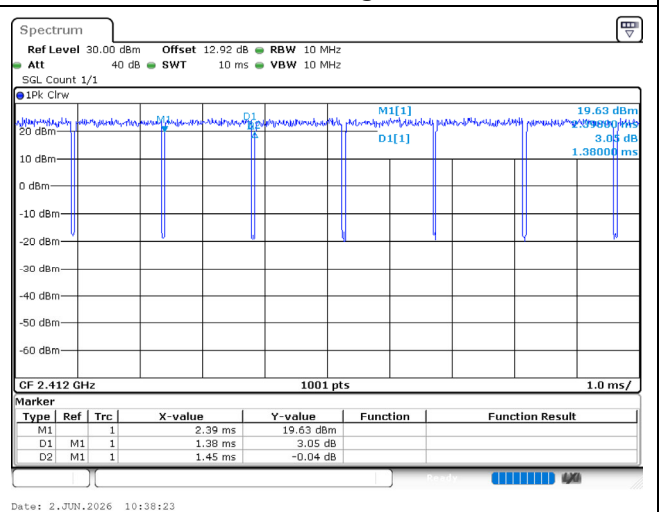
Modulation	On Times (ms)	On+Off Times (ms)	Duty Cycle (%)	Duty Factor (dB)	1/T Minimum VBW (kHz)
802.11b	8.340	8.460	98.58	0.062	0.010
802.11g	1.380	1.450	95.17	0.215	0.725
802.11be (20 MHz)	0.362	0.428	84.58	0.727	2.762
802.11be (40 MHz)	0.360	0.426	84.51	0.731	2.778

Note: The duty factor will compensate for the total power and power spectral density.

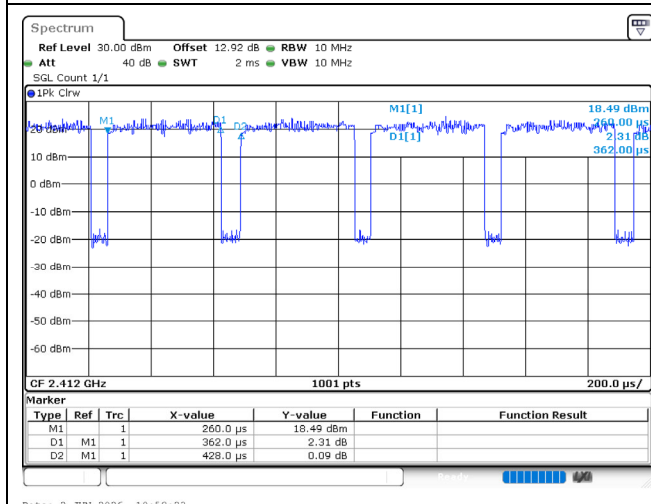
802.11b



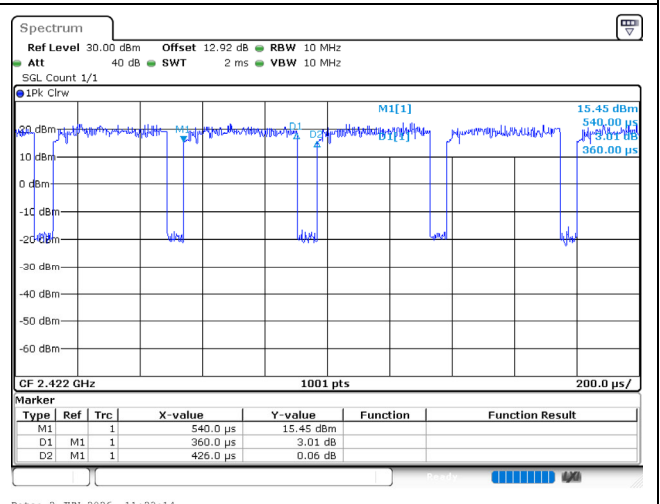
802.11g



802.11be (20 MHz)



802.11be (40 MHz)



2.4. The Worst Case Measurement Configuration

Tests Item	AC Power Line Conducted Emission
Test Condition	AC power line conducted measurement for line and neutral
Operating Mode	Transmit
1	Model No.: Vigor 2928be + Adapter 1
2	Model No.: Vigor 2867be + Adapter 1
3	Model No.: Vigor 1220be + Adapter 1
The EUT was tested with two adapters (Adapter 1 and Adapter 2). After evaluation, Adapter 1 was determined to be the worst case; therefore, only Adapter 1 was tested.	

Tests Item	Occupied Bandwidth & DTS Bandwidth Maximum Conducted Output Power Maximum Power Spectral Density Antenna Port Conducted Emission
Test Condition	Conducted measurement at transmit chains
Operating Mode	Transmit
1	Model No.: Vigor 2928be + Adapter 1

Tests Item	Transmitter Radiated Spurious Emission
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Transmit
1	Model No.: Vigor 2928be + Adapter 1
2	Model No.: Vigor 2867be + Adapter 1
3	Model No.: Vigor 1220be + Adapter 1
Operating Mode > 1GHz	Transmit
1	Model No.: Vigor 2928be + Adapter 1
- The EUT was performed at Y axis and Z axis position for radiated spurious emission test. The worst case was found at Y axis, so the measurement will follow this same test configuration. - The EUT was tested with two adapters (Adapter 1 and Adapter 2). After evaluation, Adapter 1 was determined to be the worst case; therefore, only Adapter 1 was tested.	

Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Transmit
1	Wi-Fi 2.4 GHz + Wi-Fi 5 GHz
Refer to Appendix G for Radiated Emission Co-location.	

Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	Transmit
1	Wi-Fi 2.4 GHz + Wi-Fi 5 GHz
Refer to DEKRA Test Report No.: 2650088R-RFUSV17S-A for Co-location RF Exposure Evaluation.	

Note:

1. Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. For radiated spurious emission below 1 GHz and AC power line conducted emission have performed all modes of operation were investigated and the worst-case emissions are reported.
3. The modulation and bandwidth are similar for 802.11n mode for HT20/HT40, VHT mode for VHT20/VHT40, 802.11ax mode for HEW20/HEW40 and 802.11be mode for EHT20/EHT40, therefore investigated worst case to representative mode in test report.

2.5. Tested System Details

Test Mode: Moed 1

No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	DELL	Latitude E7440	N/A
2	Notebook	DELL	Latitude E7440	NA
3	HUB	D-Link	DGS-1008D	F37S7AA00165
4	Adapter	MOSO	V30-V3000R120-036 T0 US	N/A
5	USB Dongle	ADATA	UV1281	N/A
6	USB Dongle	SanDisk	SDCZ52-008G	N/A
7	SFP+RJ45 Copper transceiver	xtramus	XA-ST02	OTXAST02P551
8	SFP+RJ45 Copper transceiver	xtramus	XA-ST02	OTXAST02P551

Test Mode: Moed 2

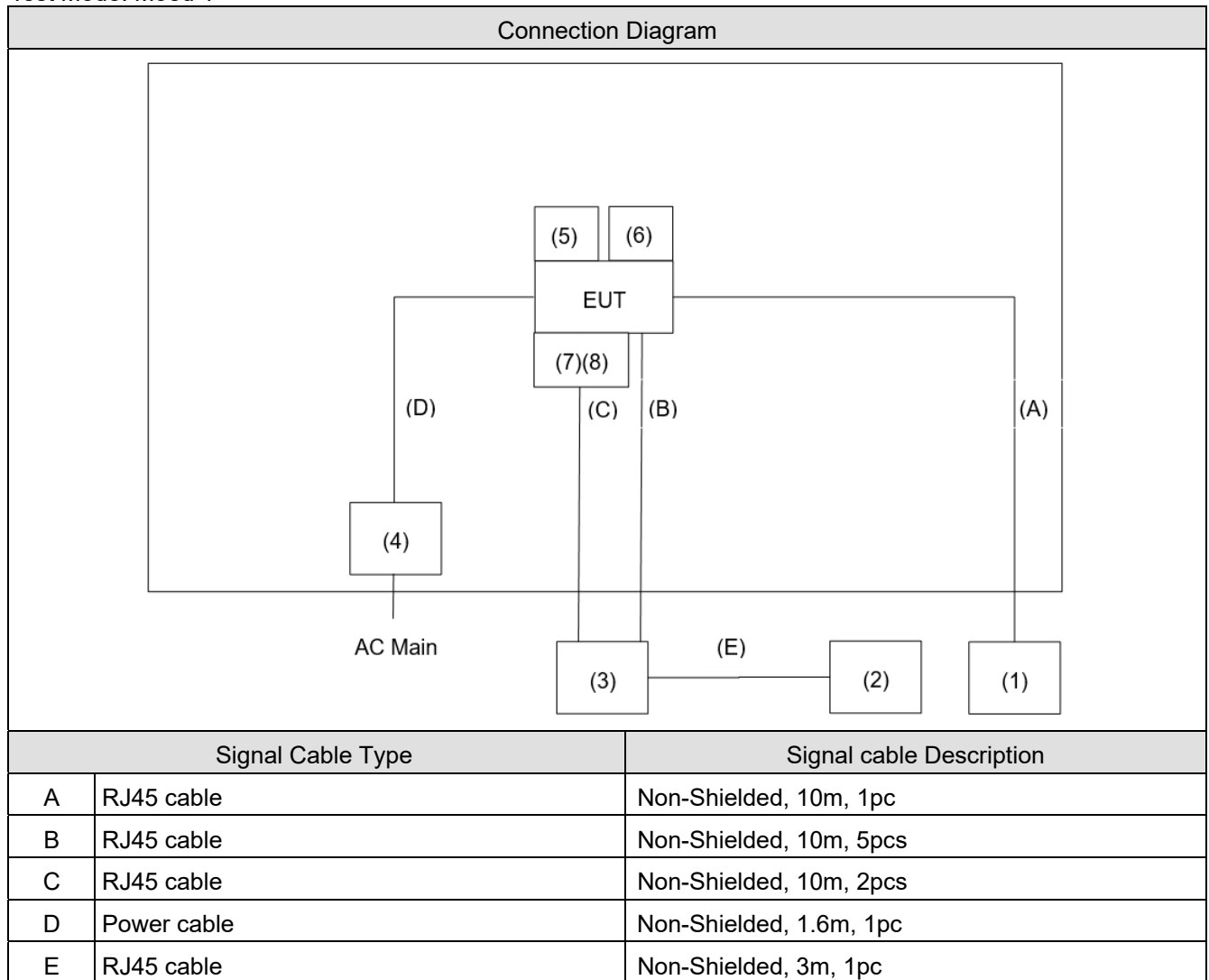
No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	DELL	Latitude E7440	N/A
2	HUB	D-Link	DGS-1008D	F37S7AA00165
3	Adapter	MOSO	V30-V3000R120-036 T0 US	N/A
4	USB Dongle	ADATA	UV128	N/A
5	USB Dongle	SanDisk	SDCZ52-008G	N/A
6	SFP+RJ45 Copper transceiver	xtramus	XA-ST02	OTXAST02P551
7	Phone	TOSHIBA	DP5018D-S	N/A

Test Mode: Moed 3

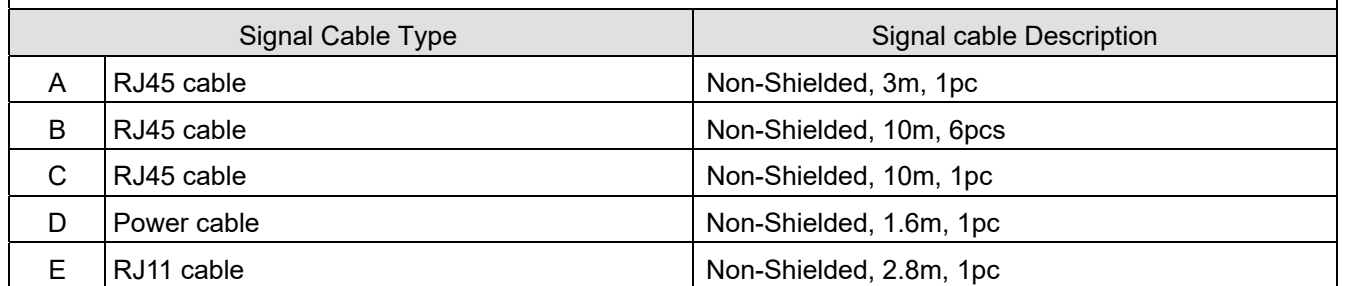
No.	Equipment	Brand Name	Model No.	Serial No.
1	Notebook	DELL	Latitude E7440	N/A
2	HUB	D-Link	DGS-1008D	F37S7AA00165
3	Adapter	MOSO	V30-V3000R120-036 T0 US	N/A
4	USB Dongle	ADATA	UV128	N/A
5	USB Dongle	SanDisk	SDCZ52-008G	N/A
6	XGS-PON Test Module	DrayTek	XGS-PON	N/A

2.6. Configuration of Tested System

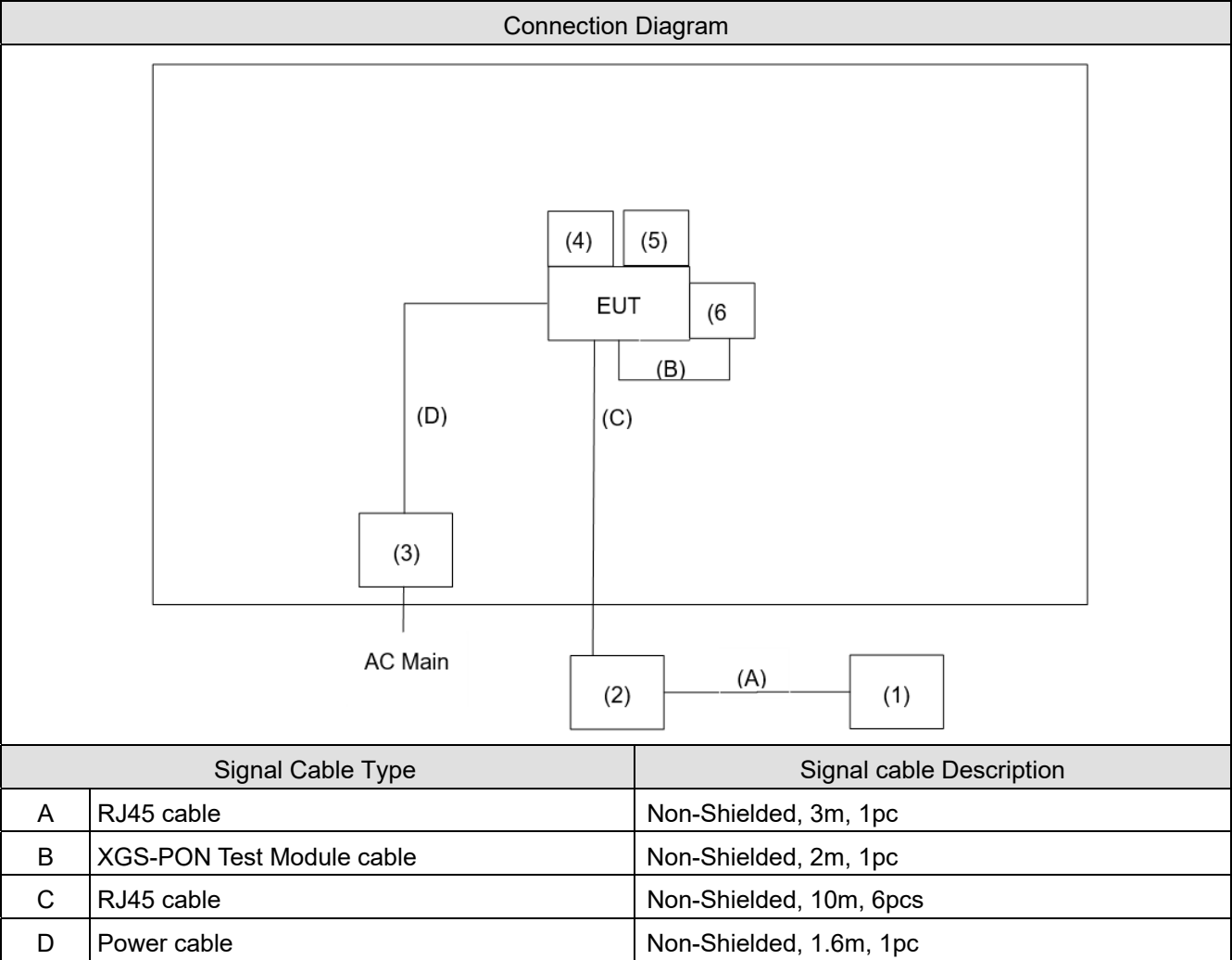
Test Mode: Moed 1



Connection Diagram

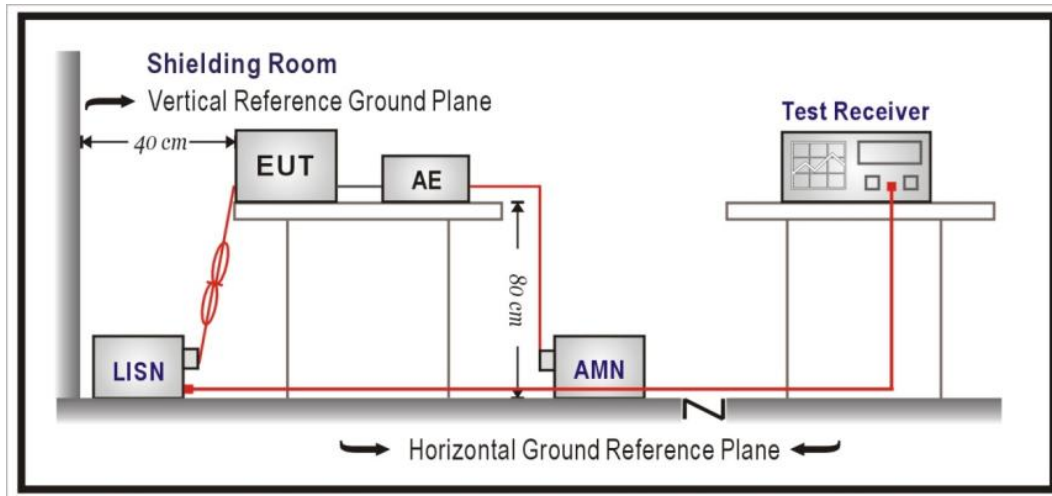


Test Mode: Moed 3



3. AC Power Line Conducted Emission

3.1. Test Setup



3.2. Test Limit

Frequency (MHz)	QP (dBuV)	AV (dBuV)
0.15 - 0.50	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Remarks: In the above table, the tighter limit applies at the band edges.

3.3. Test Procedure

The EUT was setup according to ANSI C63.10. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs.)

Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.

The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.

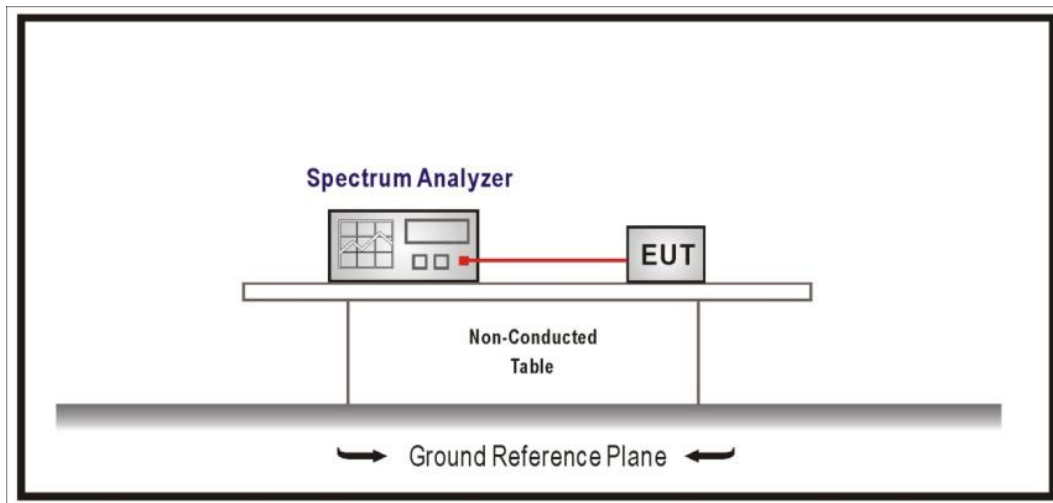
Conducted emissions were investigated over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz.

3.4. Test Result of AC Power Line Conducted Emission

Refer as Appendix A

4. Occupied Bandwidth & DTS Bandwidth

4.1. Test Setup



4.2. Test Limit

The 6 dB bandwidth: ≥ 0.50 MHz.

Occupied Bandwidth: N/A

4.3. Test Procedures

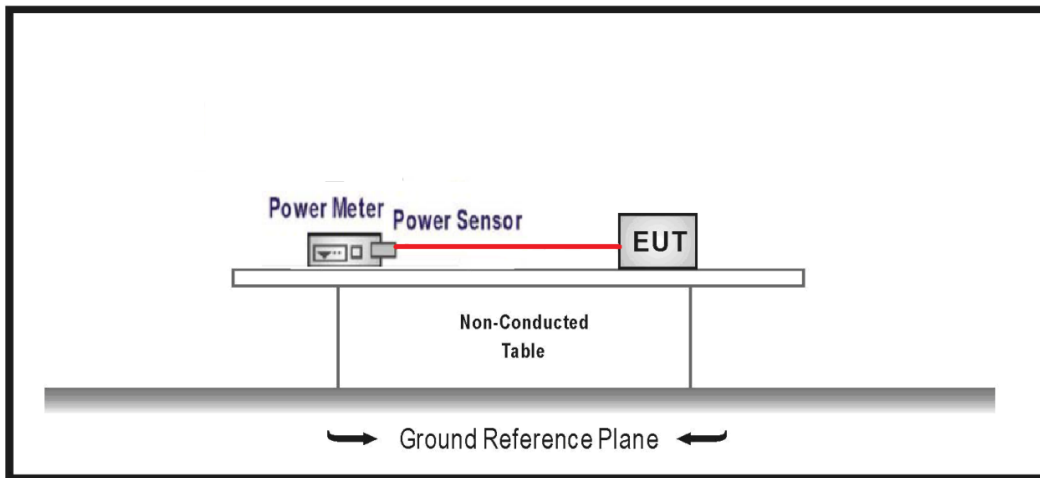
The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB 558074.

4.4. Test Result of Occupied Bandwidth & DTS Bandwidth

Refer as Appendix B

5. Maximum Conducted Output Power

5.1. Test Setup



5.2. Test Limit

The maximum conducted output power shall be less 30 dBm (1 Watt).

5.3. Test Procedures

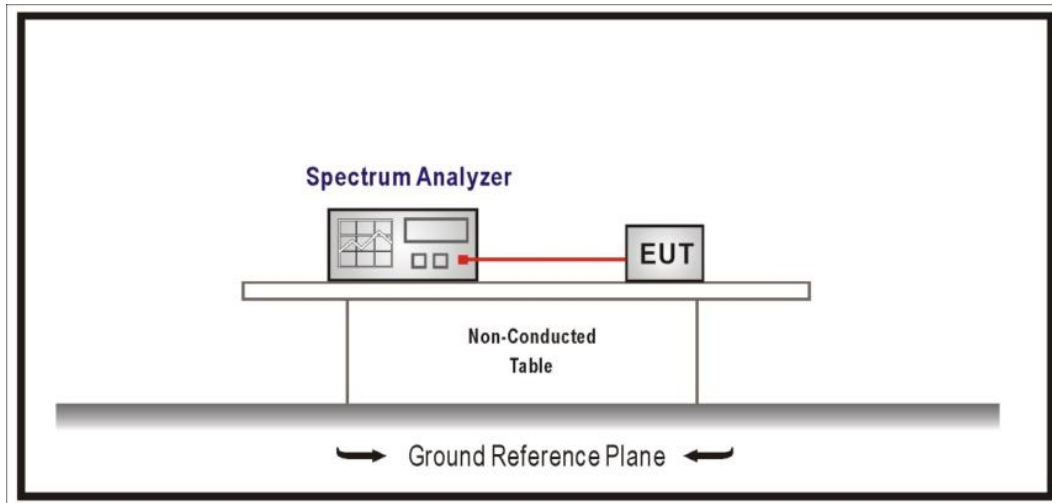
The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB 558074.

5.4. Test Result of Maximum Conducted Output Power

Refer as Appendix C

6. Maximum Power Spectral Density

6.1. Test Setup



6.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

6.3. Test Procedures

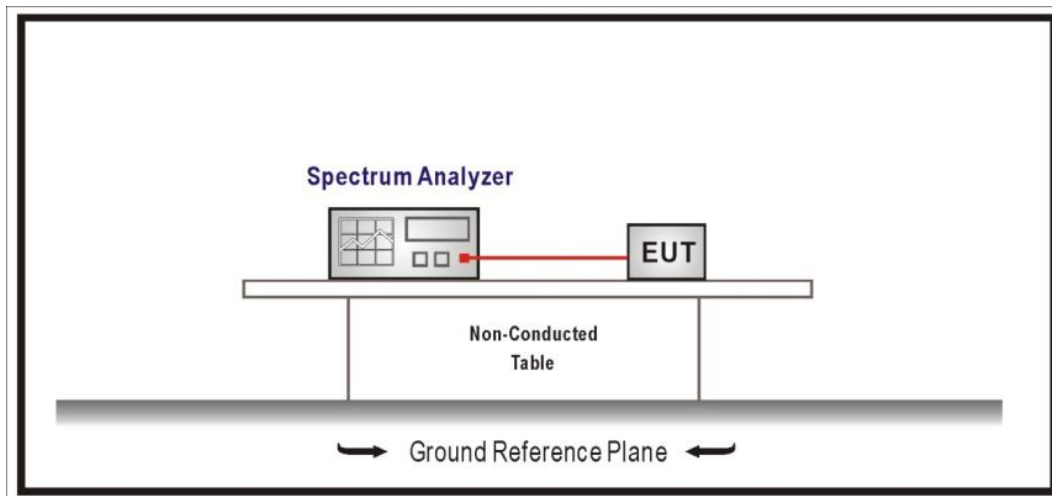
The EUT was setup according to ANSI C63.10; tested according to DTS test procedure of KDB 558074.

6.4. Test Result of Maximum Power Spectral Density

Refer as Appendix D

7. Antenna Port Conducted Emission

7.1. Test Setup



7.2. Test Limit

RF output power procedure	Limit (dBc)
Peak output power procedure	20
Average output power procedure	30

Remarks:

1. 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 conducted power limit.
2. If the transmitter complies with the conducted power limit based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

7.3. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB 558074.

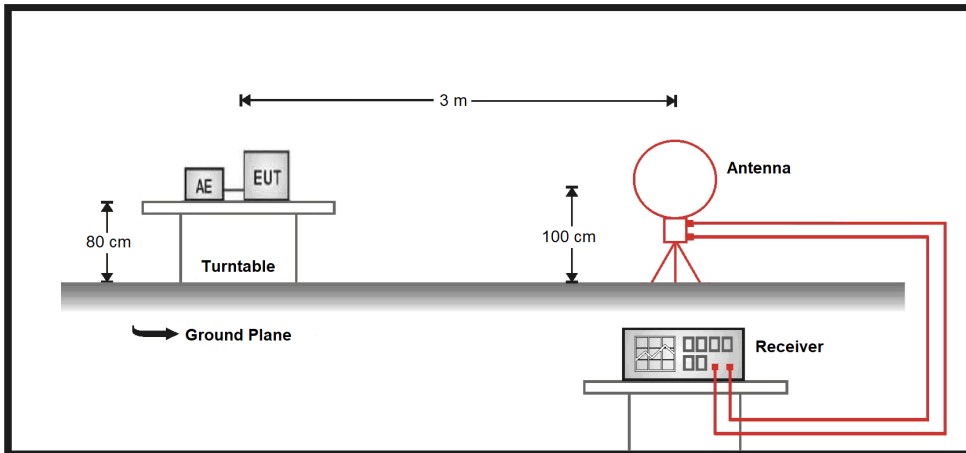
7.4. Test Result of Antenna Port Conducted Emission

Refer as Appendix E

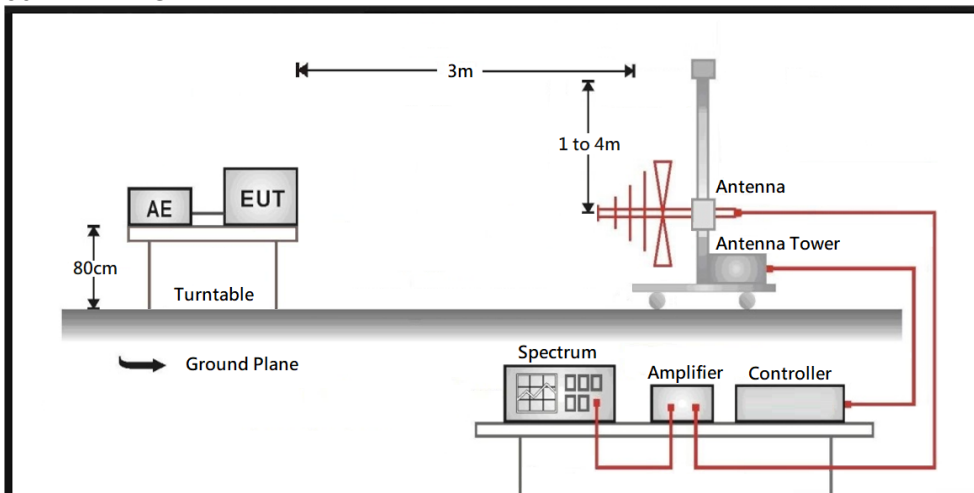
8. Transmitter Radiated Spurious Emission

8.1. Test Setup

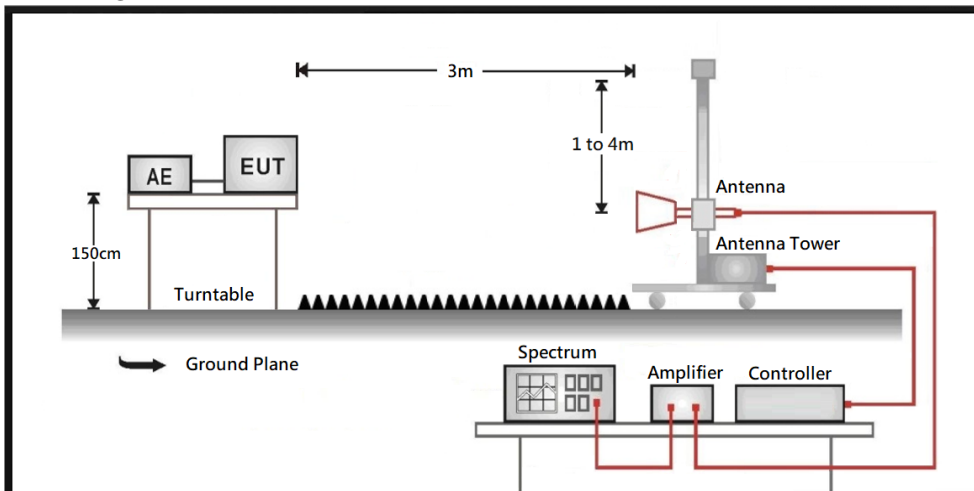
9 kHz ~ 30 MHz



30 MHz ~ 1 GHz



Above 1 GHz



8.2. Test Limit

Frequency (MHz)	Field strength (uV/m)	Field strength (dBuV/m)	Measurement distance (m)
0.009 – 0.490	2400/F(kHz)	20 log (2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20 log (24000/F(kHz))	30
1.705 - 30	30	29.5	30
30 - 88	100	40	3
88 - 216	150	43.5	3
216 - 960	200	46	3
Above 960	500	54	3

Remarks:

1. Field strength (dBuV/m) = 20 log Field strength (uV/m)
2. In the Above Table, the tighter limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

8.3. Test Procedure

The EUT was setup according to ANSI C63.10 and tested according to DTS test procedure of KDB 558074. The EUT and its simulators are placed on a turn table which is 0.8 or 1.5 meter above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The antenna can move up and down between 1 meter and 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on measurement. In order to find the maximum emission, all of the interface cables must be manipulated according to ANSI C63.10 on radiated measurement. On any frequency or frequencies from 9 kHz(include The the lowest oscillator frequency generated within the device up to the 10th harmonic) to 1000 MHz, the limit shown are based on measuring equipment employing a quasi-peak detector function and on any frequency or frequencies above 1000 MHz the radiated limit shown are based upon the use of measurement instrumentation employing an average detector function. When average radiated emission measurement are included emission measurement below 1000 MHz, there also is a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit. The bandwidth below 1 GHz setting on the field strength meter is 120 kHz and above 1 GHz is 1 MHz.

8.4. Test Result of Transmitter Radiated Spurious Emission (Below 30 MHz)

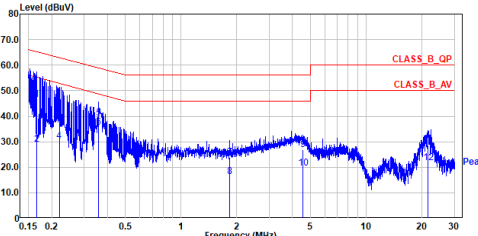
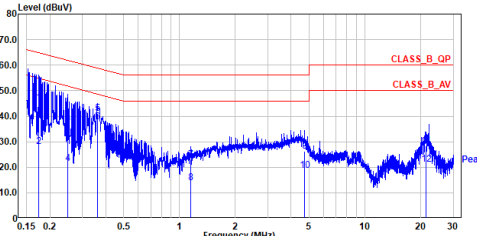
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

8.5. Test Result of Transmitter Radiated Spurious Emission

Refer as Appendix F

Appendix A. Test Result of AC Power Line Conducted Emission

Test Mode: Moed 1

TX_g_2437MHz_Line								TX_g_2437MHz_Neutral							
Site :HC-SR02 Condition :-----,Line Model No :TX_g_2437MHz Test By :Cyril Chen								Site :HC-SR02 Condition :-----,Neutral Model No :TX_g_2437MHz Test By :Cyril Chen							
															
No.	Frequency	Level	Limit	Over	Read	Factor	Remark	No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB			MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.166	46.45	65.15	-18.70	36.83	9.62	QP	1	0.175	45.15	64.72	-19.57	35.53	9.62	QP
2	0.166	29.02	55.15	-26.13	19.40	9.62	Average	2	0.175	28.10	54.72	-26.62	18.48	9.62	Average
3	0.220	40.40	62.82	-22.42	30.77	9.63	QP	3	0.249	37.24	61.77	-24.53	27.61	9.63	QP
4	0.220	30.11	52.82	-22.71	20.48	9.63	Average	4	0.249	21.34	51.77	-30.43	11.71	9.63	Average
5	0.360	39.29	58.73	-19.44	29.65	9.64	QP	5	0.361	41.00	58.71	-17.71	31.36	9.64	QP
6	0.360	35.61	48.73	-13.12	25.97	9.64	Average	6	0.361	37.76	48.71	-10.95	28.12	9.64	Average
7	1.832	24.00	56.00	-32.00	14.25	9.75	QP	7	1.154	22.96	56.00	-33.04	13.25	9.71	QP
8	1.832	16.29	46.00	-29.71	6.54	9.75	Average	8	1.154	13.83	46.00	-32.17	4.12	9.71	Average
9	4.549	27.01	56.00	-28.99	17.13	9.88	QP	9	4.712	26.31	56.00	-29.69	16.42	9.89	QP
10	4.549	19.49	46.00	-26.51	9.61	9.88	Average	10	4.712	18.82	46.00	-27.18	8.93	9.89	Average
11	21.587	28.81	60.00	-31.19	18.51	10.30	QP	11	21.276	28.48	60.00	-31.52	17.97	10.51	QP
12	21.587	21.67	50.00	-28.33	11.37	10.30	Average	12	21.276	21.05	50.00	-28.95	10.54	10.51	Average

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

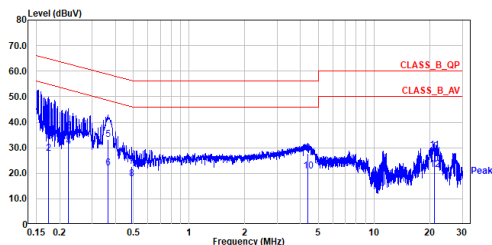
Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode: Moed 2

TX_g_2437MHz_Line

Site :HC-SR02
 Condition :-----,Line
 Model No :TX_g_2437MHz
 Test By :Cyril Chen



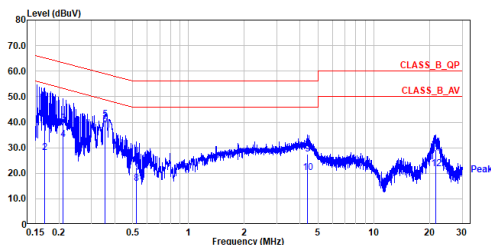
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.174	40.48	64.75	-24.27	30.86	9.62	QP
2	0.174	27.69	54.75	-27.06	18.07	9.62	Average
3	0.222	36.60	62.73	-26.13	26.97	9.63	QP
4	0.222	30.57	52.73	-22.16	20.94	9.63	Average
5	0.365	33.06	58.61	-25.55	23.42	9.64	QP
6	0.365	22.10	48.61	-26.51	12.46	9.64	Average
7	0.490	22.51	56.16	-33.65	12.86	9.65	QP
8	0.490	17.68	46.16	-28.48	8.03	9.65	Average
9	4.383	27.84	56.00	-28.16	17.97	9.87	QP
10	4.383	20.69	46.00	-25.31	10.82	9.87	Average
11	21.103	28.99	60.00	-31.01	18.70	10.29	QP
12	21.103	21.54	50.00	-28.46	11.25	10.29	Average

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

TX_g_2437MHz_Neutral

Site :HC-SR02
 Condition :-----,Neutral
 Model No :TX_g_2437MHz
 Test By :Cyril Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	
1	0.167	43.15	65.09	-21.94	33.53	9.62	QP
2	0.167	28.13	55.09	-26.96	18.51	9.62	Average
3	0.211	39.61	63.16	-23.55	29.98	9.63	QP
4	0.211	33.21	53.16	-19.95	23.58	9.63	Average
5	0.354	40.98	58.86	-17.88	31.34	9.64	QP
6	0.354	38.84	48.86	-10.02	29.20	9.64	Average
7	0.523	22.27	56.00	-33.73	12.62	9.65	QP
8	0.523	16.06	46.00	-29.94	6.41	9.65	Average
9	4.398	27.58	56.00	-28.42	17.70	9.88	QP
10	4.398	20.22	46.00	-25.78	10.34	9.88	Average
11	21.514	29.27	60.00	-30.73	18.76	10.51	QP
12	21.514	21.60	50.00	-28.40	11.09	10.51	Average

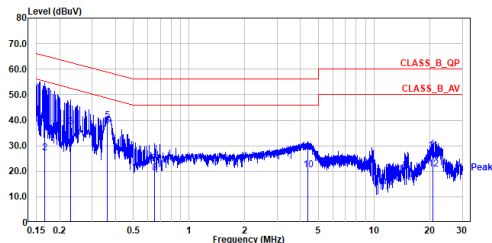
Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Test Mode: Moed 3

TX_g_2437MHz_Line

Site :HC-SR02
Condition :-----,Line
Model No :TX_g_2437MHz
Test By :Cyril Chen



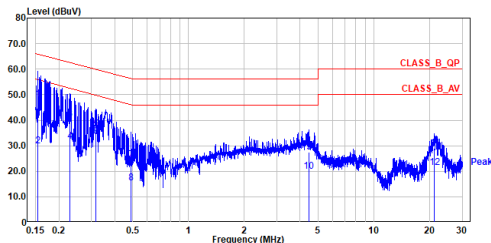
No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	0.167	43.18	65.11	-21.93	33.56	9.62	QP
2	0.167	27.19	55.11	-27.92	17.57	9.62	Average
3	0.229	37.30	62.50	-25.20	27.67	9.63	QP
4	0.229	30.31	52.50	-22.19	20.68	9.63	Average
5	0.360	39.94	58.72	-18.78	30.30	9.64	QP
6	0.360	37.69	48.72	-11.03	28.05	9.64	Average
7	0.652	23.07	56.00	-32.93	13.41	9.66	QP
8	0.652	19.32	46.00	-26.68	9.66	9.66	Average
9	4.393	27.40	56.00	-28.60	17.53	9.87	QP
10	4.393	20.42	46.00	-25.58	10.55	9.87	Average
11	20.706	28.01	60.00	-31.99	17.72	10.29	QP
12	20.706	20.87	50.00	-29.13	10.58	10.29	Average

Note:

1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

TX_g_2437MHz_Neutral

Site :HC-SR02
Condition :-----,Neutral
Model No :TX_g_2437MHz
Test By :Cyril Chen



No.	Frequency	Level	Limit	Over	Read	Factor	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	dB	
1	0.154	48.24	65.78	-17.54	38.62	9.62	QP
2	0.154	29.96	55.78	-25.82	20.34	9.62	Average
3	0.229	40.57	62.47	-21.90	30.94	9.63	QP
4	0.229	31.79	52.47	-20.68	22.16	9.63	Average
5	0.317	36.47	59.79	-23.32	26.84	9.63	QP
6	0.317	33.48	49.79	-16.31	23.85	9.63	Average
7	0.489	24.33	56.19	-31.86	14.68	9.65	QP
8	0.489	15.25	46.19	-30.94	5.60	9.65	Average
9	4.448	27.52	56.00	-28.48	17.64	9.88	QP
10	4.448	19.98	46.00	-26.02	10.10	9.88	Average
11	21.230	28.99	60.00	-31.01	18.49	10.50	QP
12	21.230	21.41	50.00	-28.59	10.91	10.50	Average

Note:

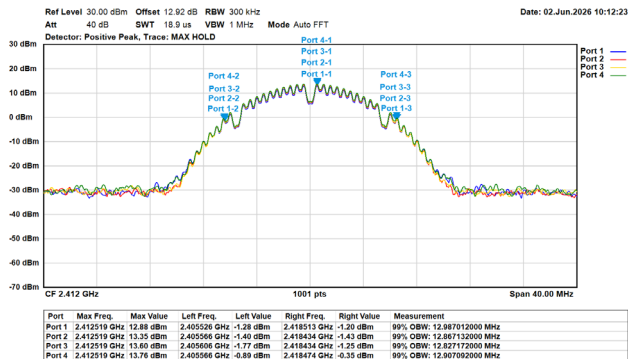
1. "*" means this data is the worst emission level.
2. Emission Level = Reading Level + Correct Factor.
(Correct Factor = LISN Insertion Loss + Cable Loss).
3. Margin = Emission Level - Limit.

Appendix B. Test Result of Occupied Bandwidth & DTS Bandwidth

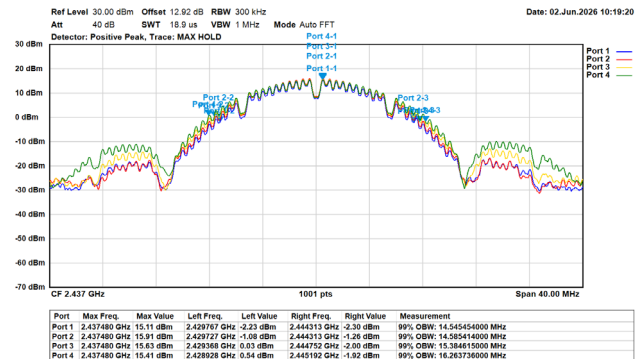
Modulation	Frequency (MHz)	99% Occupied Bandwidth (MHz)				DTS Bandwidth (MHz)				Limit (MHz)	
		Ant. 1	Ant. 2	Ant. 3	Ant. 4	Ant. 1	Ant. 2	Ant. 3	Ant. 4	99% Occupied Bandwidth	DTS Bandwidth
802.11b (20MHz)	2412	12.99	12.87	12.83	12.91	8.08	8.08	8.08	8.00	-	≥ 0.5
	2437	14.55	14.59	15.38	16.26	9.04	9.04	10.04	10.08	-	≥ 0.5
	2462	12.91	12.83	12.79	12.79	8.08	8.08	8.04	8.08	-	≥ 0.5
802.11g (20MHz)	2412	16.42	16.38	16.42	16.42	15.92	16.32	16.28	16.04	-	≥ 0.5
	2437	16.86	16.66	16.86	17.26	15.68	15.92	16.28	16.32	-	≥ 0.5
	2462	16.38	16.38	16.38	16.38	15.68	15.92	16.32	16.08	-	≥ 0.5
802.11be (20MHz)	2412	18.86	18.82	18.82	18.86	18.60	18.56	18.80	18.68	-	≥ 0.5
	2437	18.98	18.94	18.98	19.06	18.28	18.44	18.52	18.60	-	≥ 0.5
	2462	18.86	18.86	18.86	18.82	18.32	18.84	18.40	18.68	-	≥ 0.5
802.11be (40MHz)	2422	37.64	37.80	37.64	37.72	35.12	35.52	35.76	36.08	-	≥ 0.5
	2437	37.80	37.80	37.72	38.04	35.12	35.84	36.32	36.24	-	≥ 0.5
	2452	37.64	37.72	37.56	37.72	35.76	35.36	35.04	35.04	-	≥ 0.5

For 99% Occupied Bandwidth:

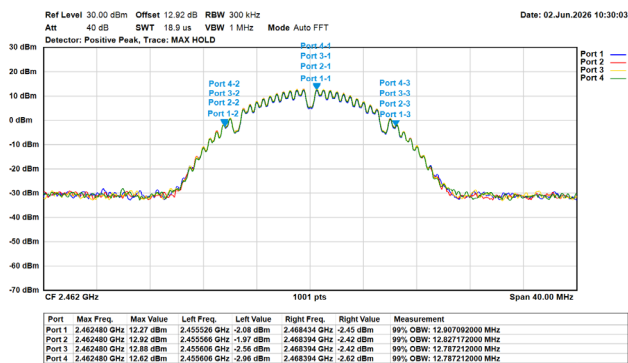
802.11b/20MHz/1M/2412MHz/Ch1



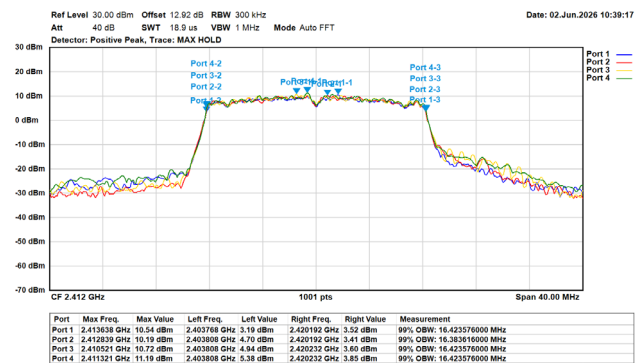
802.11b/20MHz/1M/2437MHz/Ch6



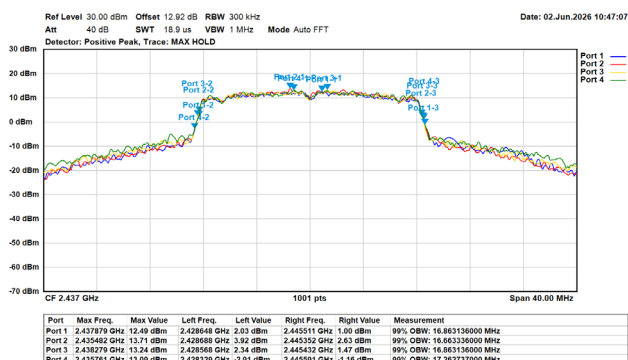
802.11b/20MHz/1M/2462MHz/Ch11



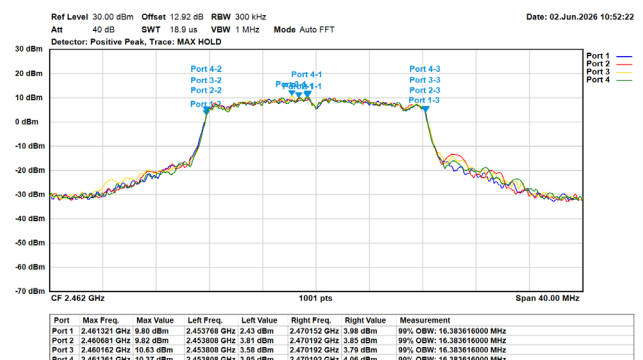
802.11g/20MHz/6M/2412MHz/Ch1



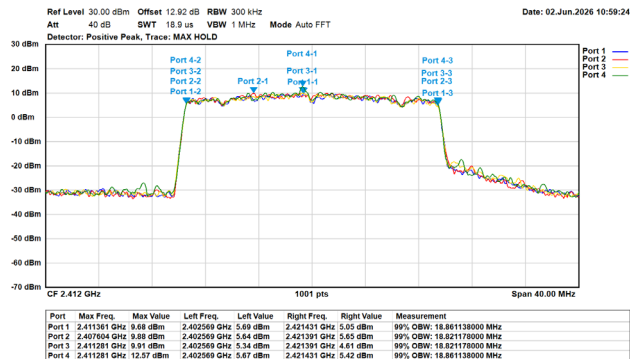
802.11g/20MHz/6M/2437MHz/Ch6



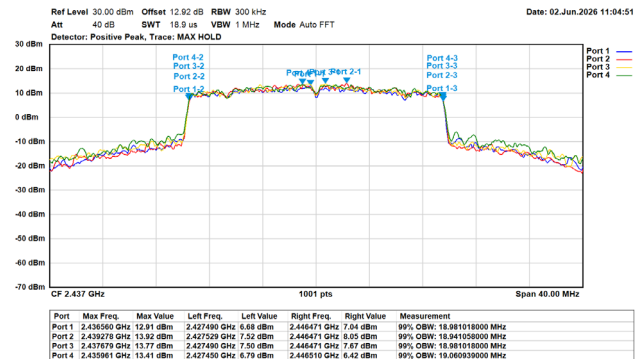
802.11g/20MHz/6M/2462MHz/Ch11



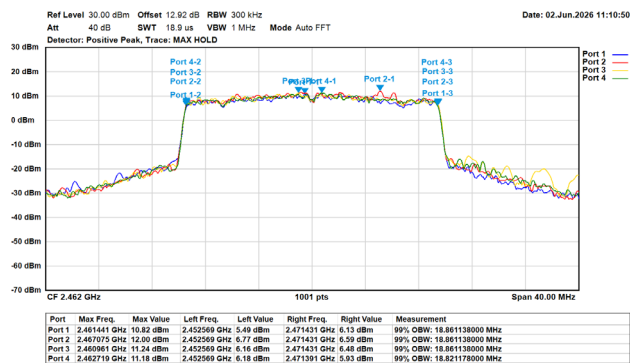
802.11be/20MHz/MCS0/2412MHz/Ch1



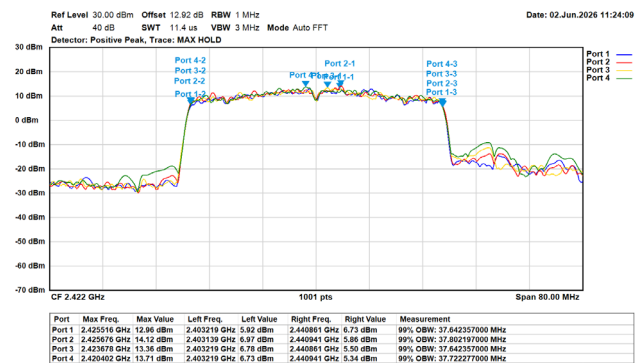
802.11be/20MHz/MCS0/2437MHz/Ch6



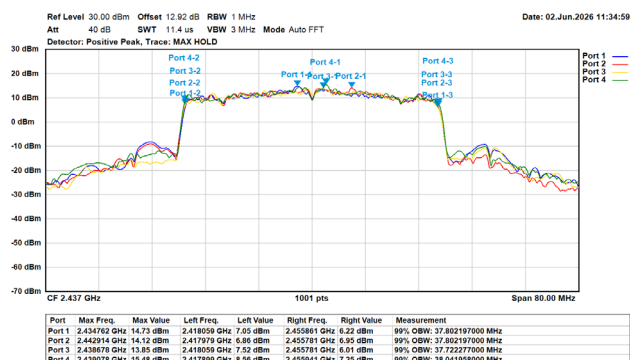
802.11be/20MHz/MCS0/2462MHz/Ch11



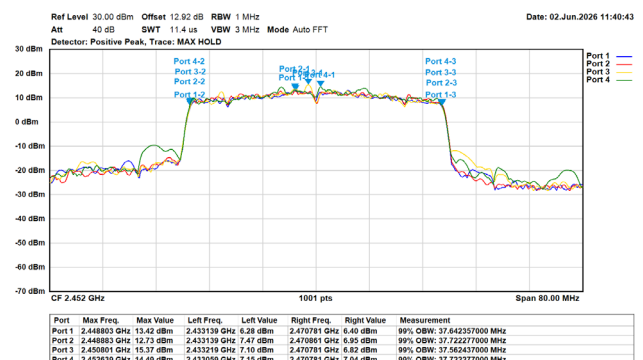
802.11be/40MHz/MCS0/2422MHz/Ch3



802.11be/40MHz/MCS0/2437MHz/Ch6

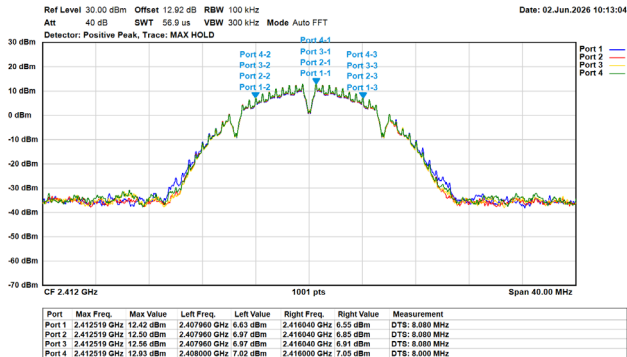


802.11be/40MHz/MCS0/2452MHz/Ch9

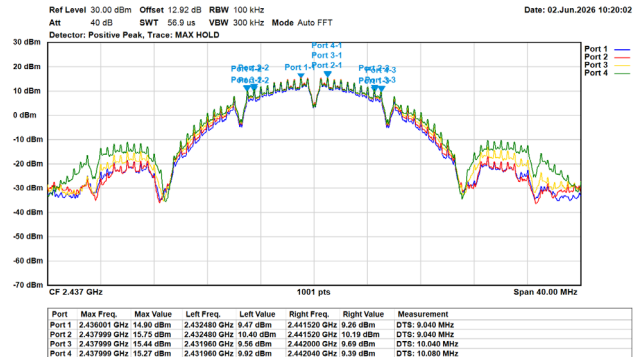


For DTS Bandwidth:

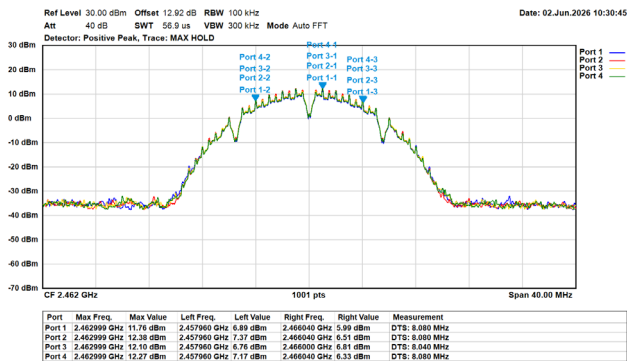
802.11b/20MHz/1M/2412MHz/Ch1



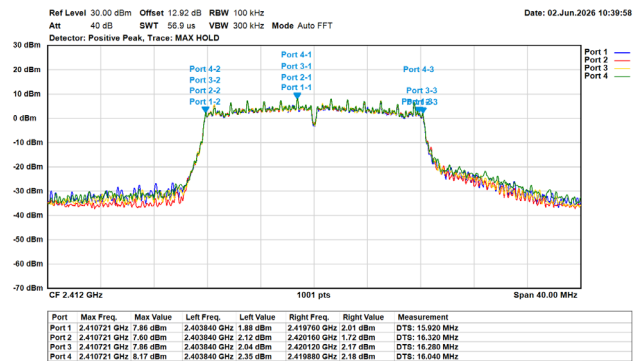
802.11b/20MHz/1M/2437MHz/Ch6



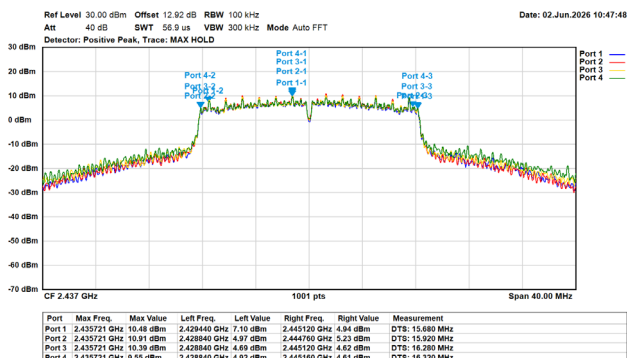
802.11b/20MHz/1M/2462MHz/Ch11



802.11g/20MHz/6M/2412MHz/Ch1



802.11g/20MHz/6M/2437MHz/Ch6



802.11g/20MHz/6M/2462MHz/Ch11

