

RADIO PERFORMANCE TEST REPORT

Test Report No. : OT-225-RWD-020

Reception No. : 2203000977

Applicant : 3i Inc

Address : 3-321 523, Dongdaegu-ro, Dong-gu, Daegu, 41228, South Korea

Manufacturer : Nteklogic

Address : 42, Maehwa-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

Type of Equipment : Pivo Max

FCC ID. : 2AS3Q-PV-PM

Model Name : PV-PM

Serial number : N/A

Total page of Report : 36 pages (including this page)

Date of Incoming : March 30, 2022

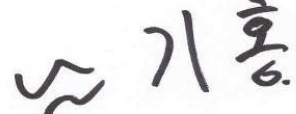
Date of issue : May 13, 2022

SUMMARY

The equipment complies with the regulation; *FCC PART 15 SUBPART C Section 15.247*

This test report only contains the result of a single test of the sample supplied for the examination.

It is not a generally valid assessment of the features of the respective products of the mass-production.



Tested by
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ONETECH Corp.: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea (TEL: 82-31-799-9500, FAX: 82-31-799-9599)

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Revision History

Rev. No.	Issue Report No.	Issued Date	Revisions	Section Affected
0	OT-225-RWD-020	May 13, 2022	Initial Release	All

1. VERIFICATION OF COMPLIANCE

Applicant : 3i Inc
 Address : 3-321 523, Dongdaegu-ro, Dong-gu, Daegu, 41228, South Korea
 Contact Person : Sinho, Kim / Manager
 Telephone No. : +82-10-4312-5197
 FCC ID : 2AS3Q-PV-PM
 Model Name : PV-PM
 Brand Name : -
 Serial Number : N/A
 Date : May 13, 2022

EQUIPMENT CLASS	DTS – DIGITAL TRNSMISSION SYSTEM
E.U.T. DESCRIPTION	Pivo Max
THIS REPORT CONCERNS	Original Grant
MEASUREMENT PROCEDURES	ANSI C63.10: 2020
TYPE OF EQUIPMENT TESTED	Pre-Production
KIND OF EQUIPMENT AUTHORIZATION REQUESTED	Certification
EQUIPMENT WILL BE OPERATED UNDER FCC RULES PART(S)	FCC PART 15 SUBPART C Section 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02
Modifications on the Equipment to Achieve Compliance	None
Final Test was Conducted On	3 m, Semi Anechoic Chamber

-. The above equipment was tested by ONETECH Corp. for compliance with the requirement set forth in the FCC Rules and Regulations. This said equipment in the configuration described in this report, shows the maximum emission levels emanating from equipment are within the compliance requirements.

2. TEST SUMMARY

2.1 Test items and results

SECTION	TEST ITEMS	RESULTS
15.247 (a) (2)	Minimum 6 dB Bandwidth	Met the Limit / PASS
15.247 (b) (3)	Maximum Peak Conducted Output Power	Met the Limit / PASS
15.247 (d)	100 kHz Bandwidth Outside the Frequency Band	Met the Limit / PASS
15.247 (d)	Radiated Emission which fall in the Restricted Band	Met the Limit / PASS
15.247 (e)	Peak Power Spectral Density	Met the Limit / PASS
15.209	Radiated Emission Limits	Met the Limit / PASS
15.207	Conducted Limits	Met the Limit / PASS
15.203	Antenna Requirement	Met requirement / PASS

2.2 Additions, deviations, exclusions from standards

No additions, deviations or exclusions have been made from standard.

2.3 Related Submittal(s) / Grant(s)

Original submittal only

2.4 Purpose of the test

To determine whether the equipment under test fulfills the requirements of the regulation stated in FCC PART 15 SUBPART C Section 15.247.

2.5 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2020. Radiated testing was performed at a distance of 3 m from EUT to the antenna.

2.6 Test Facility

The Onetech Corp. has been designated to perform equipment testing in compliance with ISO/IEC 17025.

The Electromagnetic compatibility measurement facilities are located at 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do, 12735, Korea.

-. Site Filing:

VCCI (Voluntary Control Council for Interference) – Registration No. R-20122/ C-14617/ G-10666/ T-11842

ISED (Innovation, Science and Economic Development Canada) – Registration No. Site# 3736A-3

KOLAS (Korea Laboratory Accreditation Scheme) - Accreditation NO. KT085

FCC (Federal Communications Commission) - Accreditation No. KR0013

RRA (Radio Research Agency) – Designation No. KR0013

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3. GENERAL INFORMATION

3.1 Product Description

The 3i Inc, Model PV-PM (referred to as the EUT in this report) is a Pivo Max. The product specification described herein was obtained from product data sheet or user's manual.

DEVICE TYPE	Pivo Max
OPERATING FREQUENCY	2 402 MHz ~ 2 480 MHz
MODULATION TYPE	DSSS Modulation(GFSK)
RF OUTPUT POWER	-0.41 dBm
NUMBER OF CHANNEL	40 Channel
ANTENNA TYPE	PCB Antenna
ANTENNA GAIN	1.52 dBi
Electrical Rating	DC 3.7 V
List of each Osc. or crystal Freq.(Freq. \geq 1 MHz)	38.4 MHz

3.2 Alternative type(s)/model(s); also covered by this test report.

-. None

4. EUT MODIFICATIONS

-. None

5. SYSTEM TEST CONFIGURATION

5.1 Justification

This device was configured for testing in a typical way as a normal customer is supposed to be used. During the test, the following components were installed inside of the EUT.

DEVICE TYPE	MANUFACTURER	MODEL/PART NUMBER	FCC ID
Main Board	Nteklogic	PIVO POD MAX R0.2	N/A
SUB Board	Nteklogic	PIVO POD MAX SUB R0.1	N/A
Power Board	Nteklogic	PIVO POD MAX - PWR Rev02	N/A
LED Board	Nteklogic	PIVO POD MAX_LED_REV0.2	N/A
Motor	N/A	N/A	N/A
Battery 1	N/A	N/A	N/A
Battery 2	N/A	N/A	N/A

5.2 Peripheral equipment

Defined as equipment needed for correct operation of the EUT, but not considered as tested:

Model	Manufacturer	Description	Connected to
PV-PM	Nteklogic	Pivo Max (EUT)	-
PROBOOK	HP	Notebook PC	EUT

5.3 Mode of operation during the test

For the testing, software used to control the EUT for staying in continuous transmitting is programmed.

For final testing, the EUT was set at 2 402 MHz, 2 440 MHz, and 2 480 MHz to get a maximum emission levels from the EUT. The EUT was moved throughout the XY, XZ, and YZ planes and the worst case is “XY” axis, but the worst data was recorded in this report.

-. Channel List (Bluetooth LE)

Channel	Frequency[MHz]	Channel	Frequency[MHz]	Channel	Frequency[MHz]
0	2 402.00	14	2 430.00	28	2 458.00
1	2 404.00	15	2 432.00	29	2 460.00
2	2 406.00	16	2 434.00	30	2 462.00
3	2 408.00	17	2 436.00	31	2 464.00
4	2 410.00	18	2 438.00	32	2 466.00
5	2 412.00	19	2 440.00	33	2 468.00
6	2 414.00	20	2 442.00	34	2 470.00
7	2 416.00	21	2 444.00	35	2 472.00
8	2 418.00	22	2 446.00	36	2 474.00
9	2 420.00	23	2 448.00	37	2 476.00
10	2 422.00	24	2 450.00	38	2 478.00
11	2 424.00	25	2 452.00	39	2 480.00
12	2 426.00	26	2 454.00		
13	2 428.00	27	2 456.00		

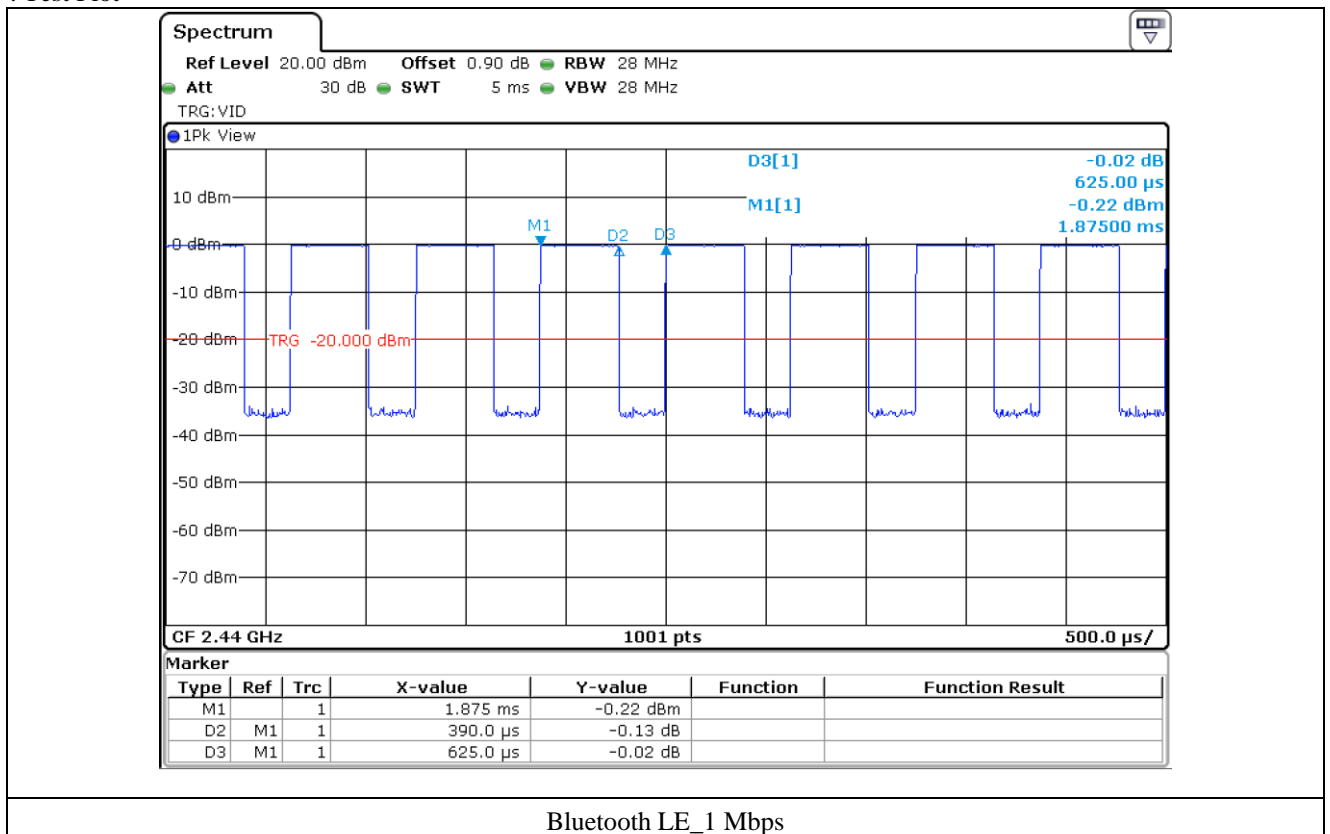
-. Duty Cycle

Mode	Tx On Time [ms]	Tx Off Time [ms]	Duty Cycle [%]	Correction Factor [dB]
Bluetooth LE_1 Mbps	0.39	0.625	62.40	2.05

Note – Duty Cycle : (Tx On Time / (Tx On Time + Tx Off Time)) * 100

Correction Factor : 10 * Log(1 / (Duty Cycle / 100))

-. Test Plot



5.4 Configuration of Test System

Line Conducted Test: The EUT was connected to USB and the power of USB was connected to Notebook PC. All supporting equipments were connected to another LISN. Preliminary Power line Conducted Emission test was performed by using the procedure in ANSI C63.10: 2020 to determine the worse operating conditions.

Radiated Emission Test: Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2020 to determine the worse operating conditions. Final radiated emission tests were conducted at 3 meter Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.

5.5 Antenna Requirement

For intentional device, according to section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

Antenna Construction:

The antenna of the EUT is a PCB Antenna on the main Board in the EUT, so that it cannot be replaced by the user.

6. PRELIMINARY TEST

6.1 AC Power line Conducted Emissions Tests

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Charging Mode & Transmitting Mode	X

6.2 General Radiated Emissions Tests

During Preliminary Test, the following operating mode was investigated.

Operation Mode	The Worse operating condition (Please check one only)
Transmitting Mode	X

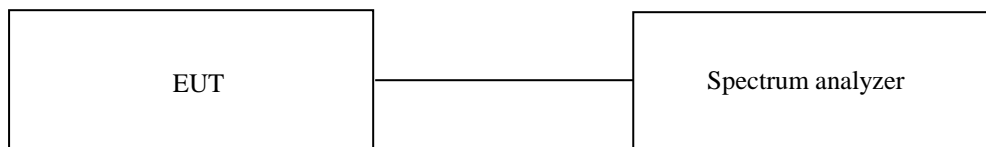
7. MINIMUM 6 dB BANDWIDTH

7.1 Operating environment

Temperature : 22.2 °C
Relative humidity : 52 % R.H.

7.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, and peak detection was used. The 6 dB bandwidth is defined as the total spectrum over which the power is higher than the peak power minus 6 dB.



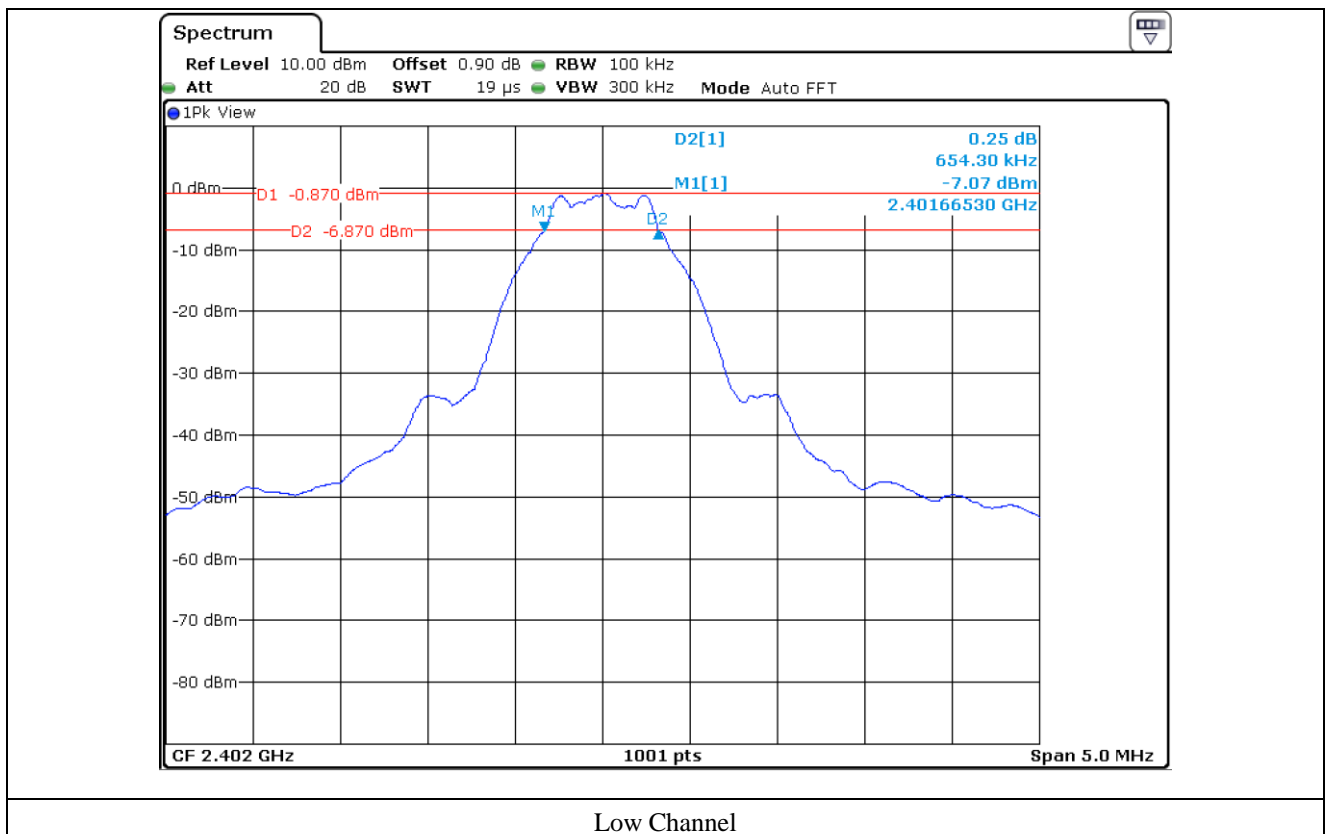
7.3 Test Date

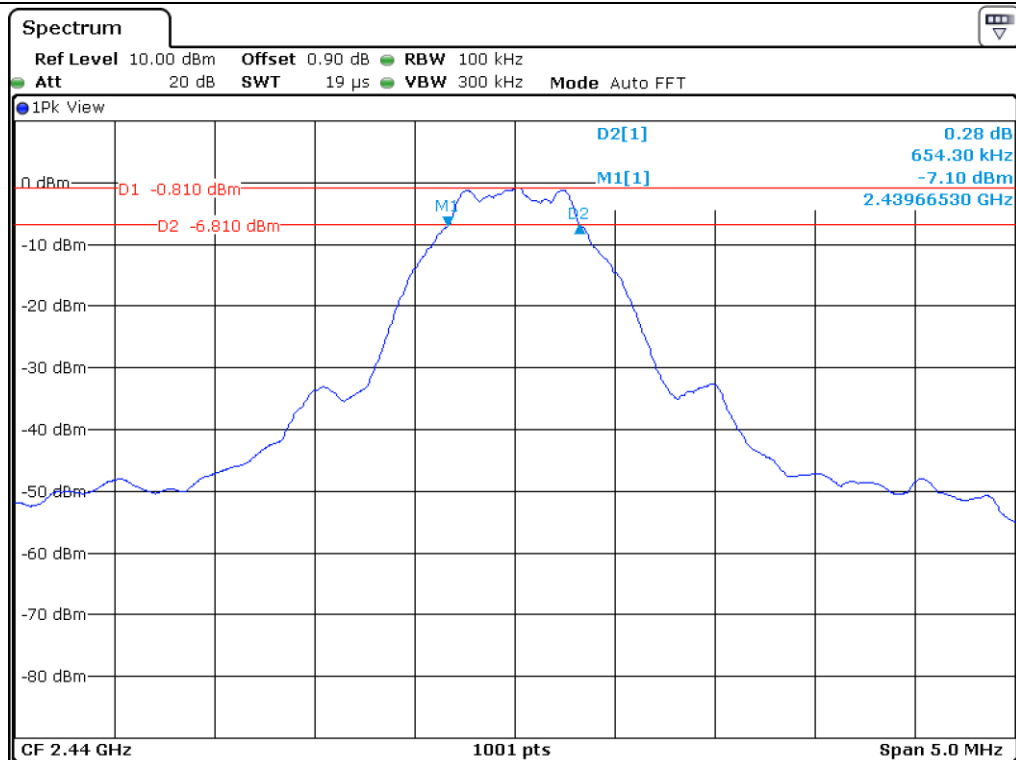
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7.4 Test data for 1 Mbps

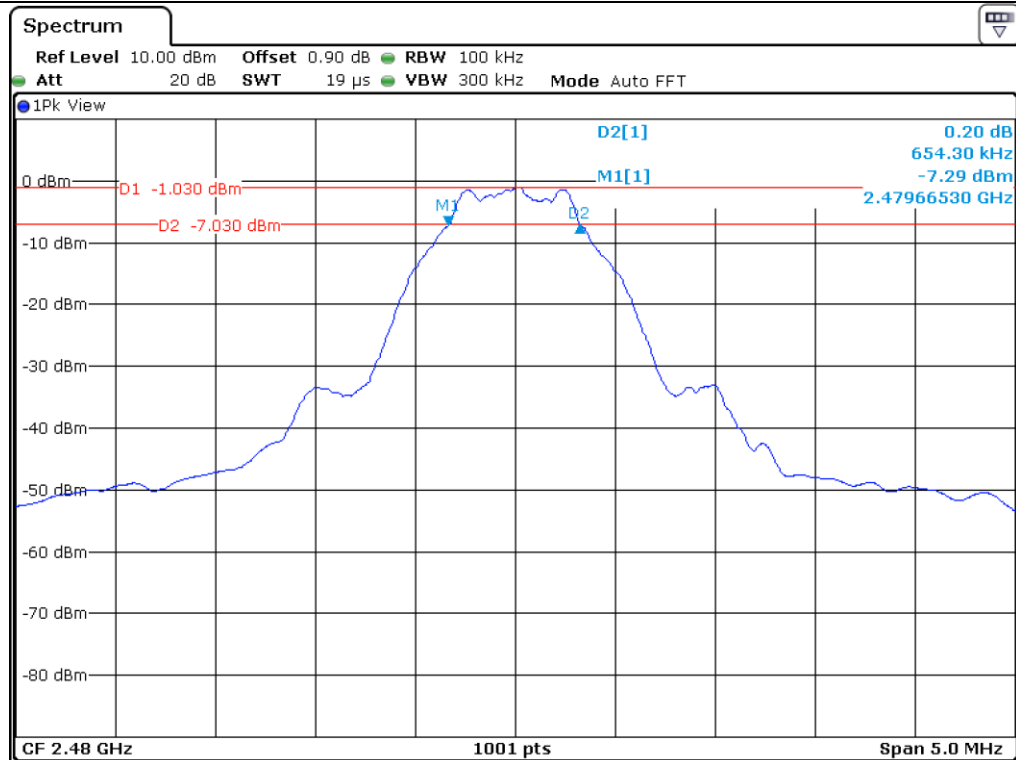
CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (kHz)	LIMIT (kHz)	MARGIN (kHz)
Low	2 402.00	654.30	500.00	154.30
Middle	2 440.00	654.30	500.00	154.30
High	2 480.00	654.30	500.00	154.30

Remark. Margin = Measured Value - Limit





Middle Channel



High Channel

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8. MAXIMUM PEAK OUTPUT POWER

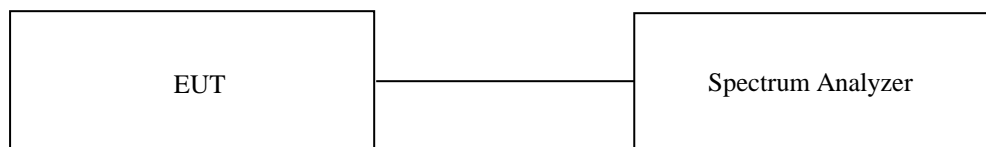
8.1 Operating environment

Temperature : 22.2 °C
Relative humidity : 52 % R.H.

8.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to \geq DTS Bandwidth, the video bandwidth is set to 3 times the resolution bandwidth.



8.3 Test Date

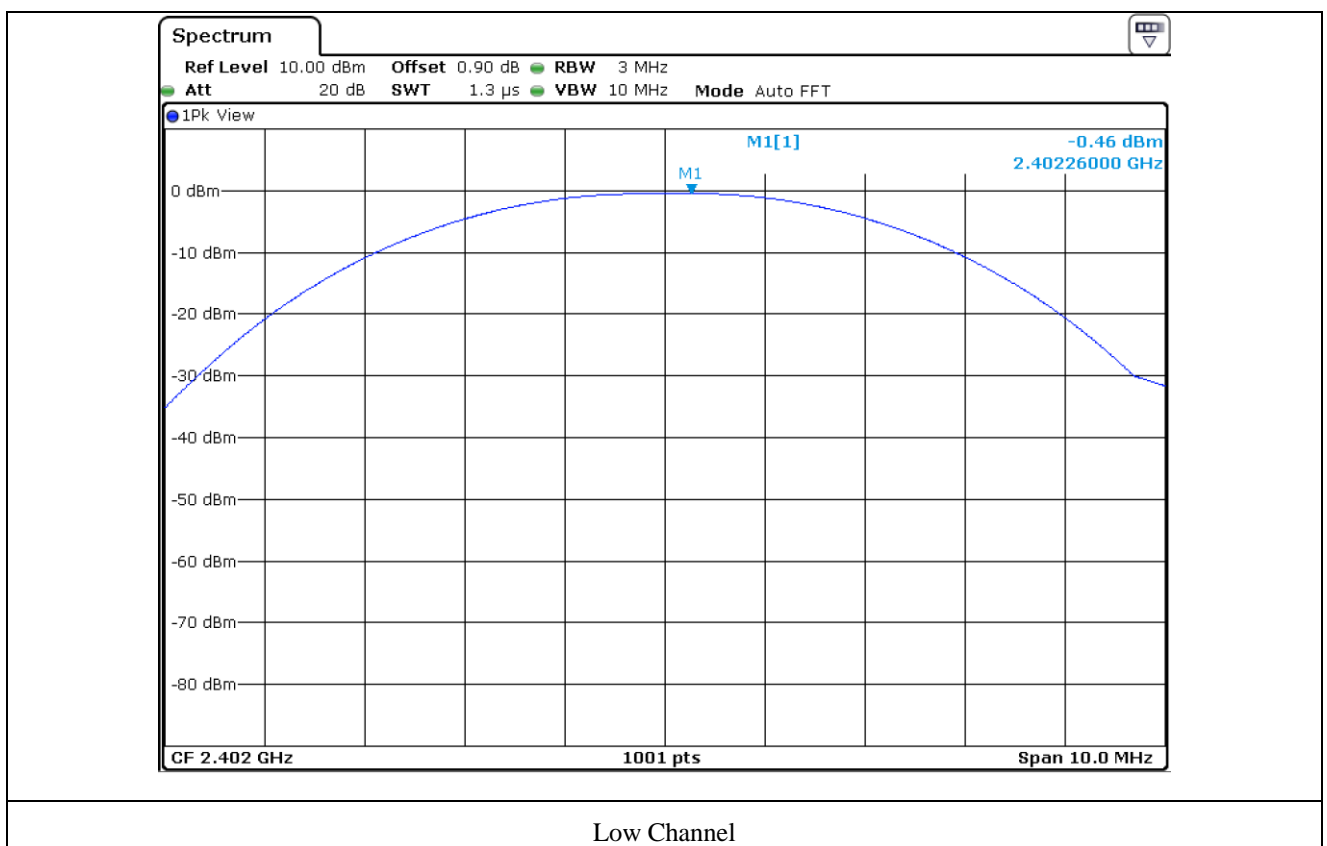
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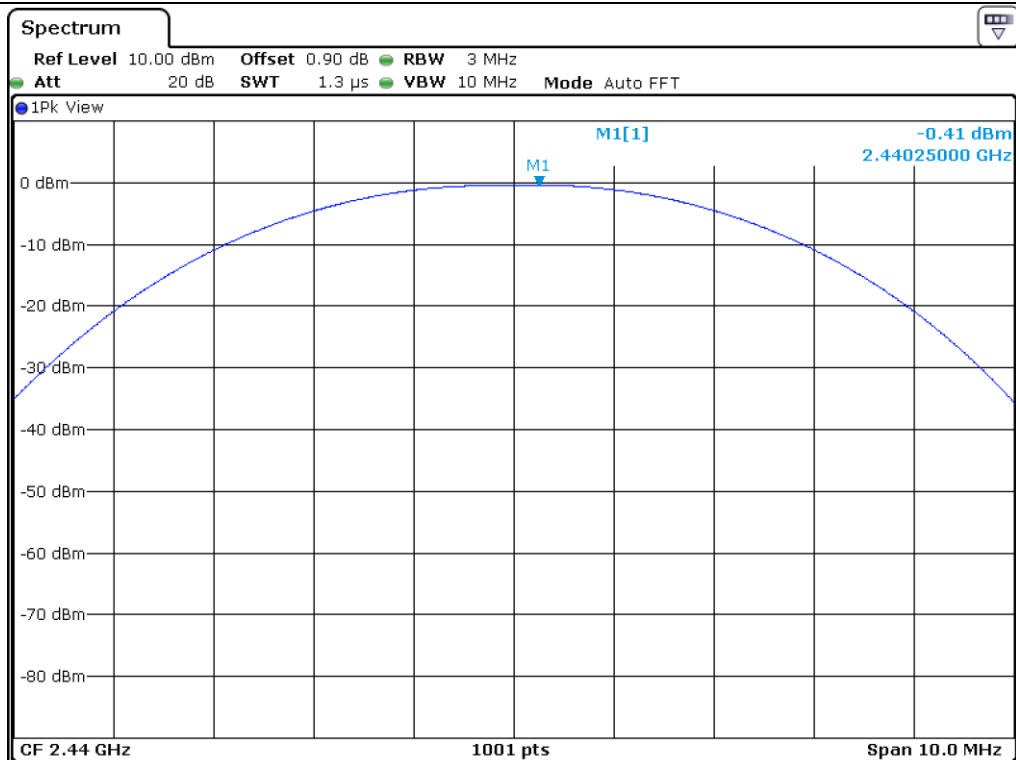
8.4 Test data for 1 Mbps

-. Test Result : Pass

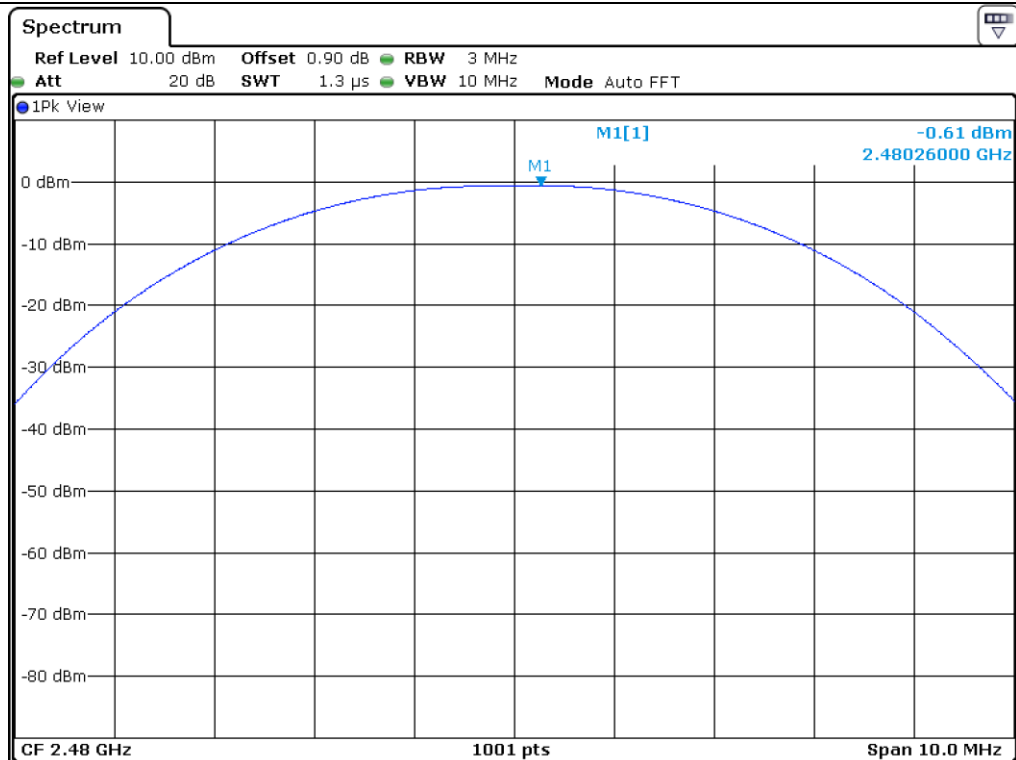
CHANNEL	FREQUENCY (MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 402.00	-0.46	30.00	30.46
MIDDLE	2 440.00	-0.41	30.00	30.41
HIGH	2 480.00	-0.61	30.00	30.61

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)





Middle Channel



High Channel

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9. 100 kHz BANDWIDTH OUTSIDE THE FREQUENCY BAND

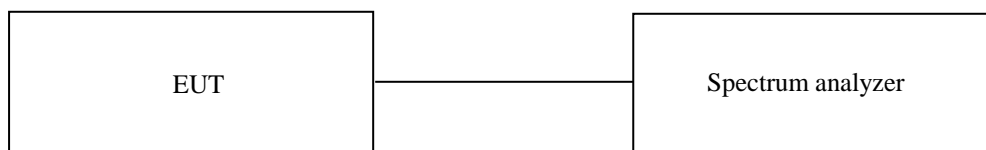
9.1 Operating environment

Temperature : 22.2 °C

Relative humidity : 52 % R.H.

9.2 Test set-up for conducted measurement

The antenna output of the EUT was connected to the spectrum analyzer. The resolution bandwidth is set to 100 kHz, the video bandwidth is set to 3 times the resolution bandwidth and peak detection was used.



9.3 Test set-up for radiated measurement

The radiated emissions measurements were performed on the 3 m semi anechoic chamber. The EUT was placed on turntable approximately 1.5 m above the ground plane.

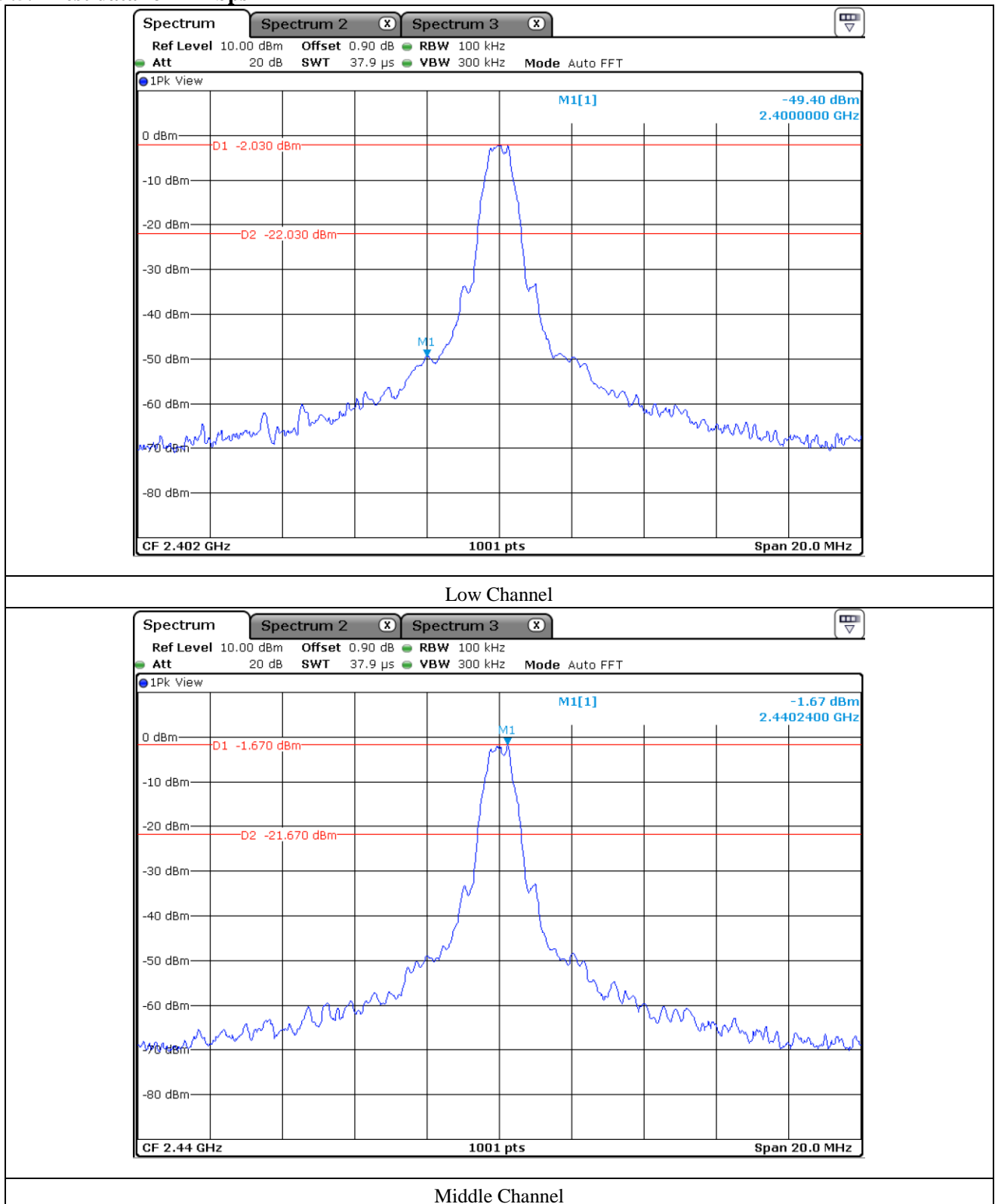
The frequency spectrum from 30 MHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

9.4 Test Date

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9.5 Test data for conducted emission

9.5.1 Test data for 1 Mbps

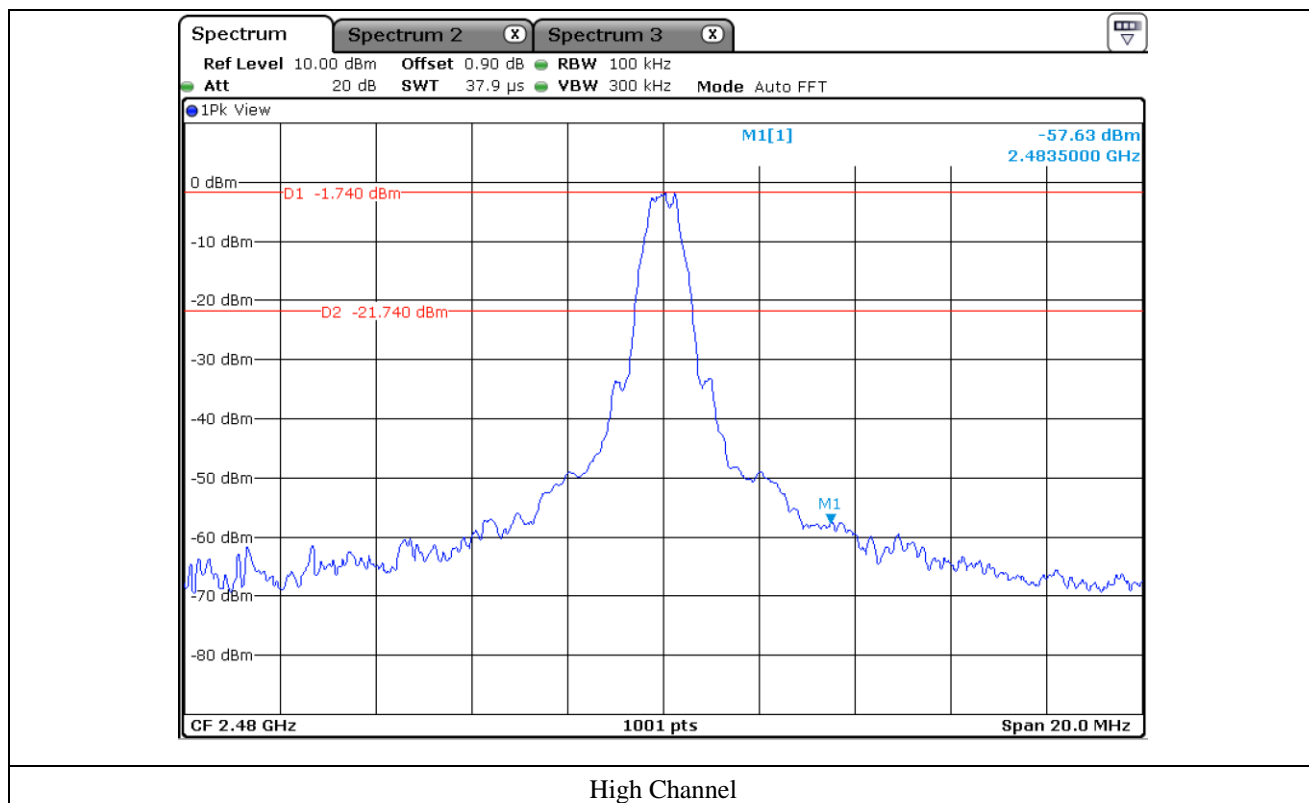


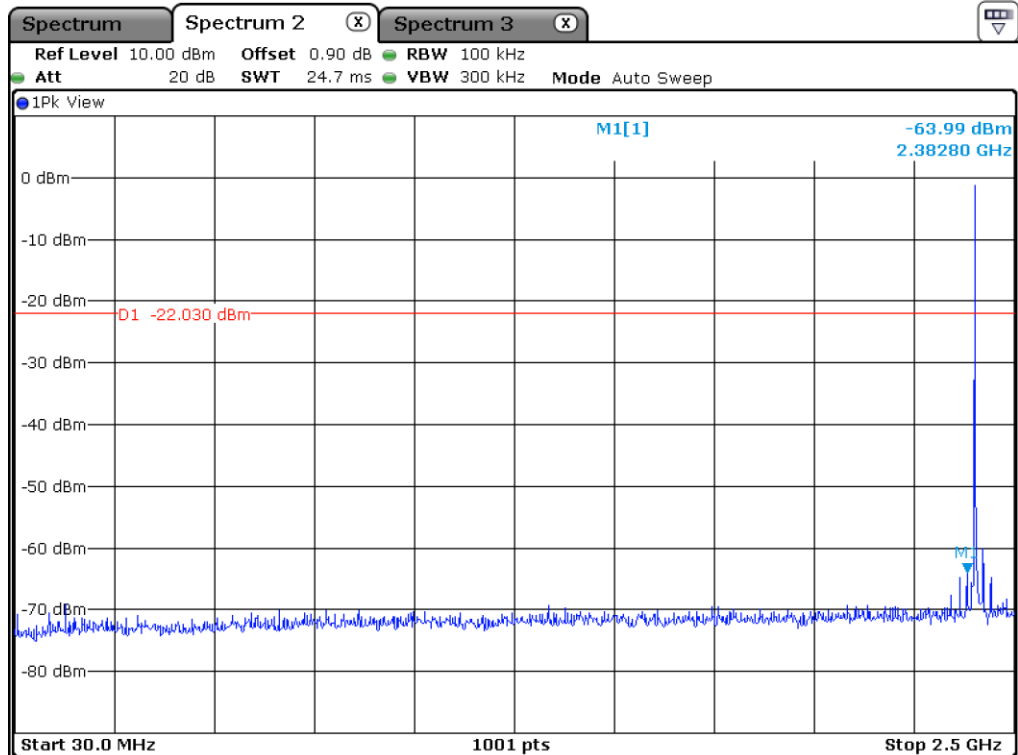
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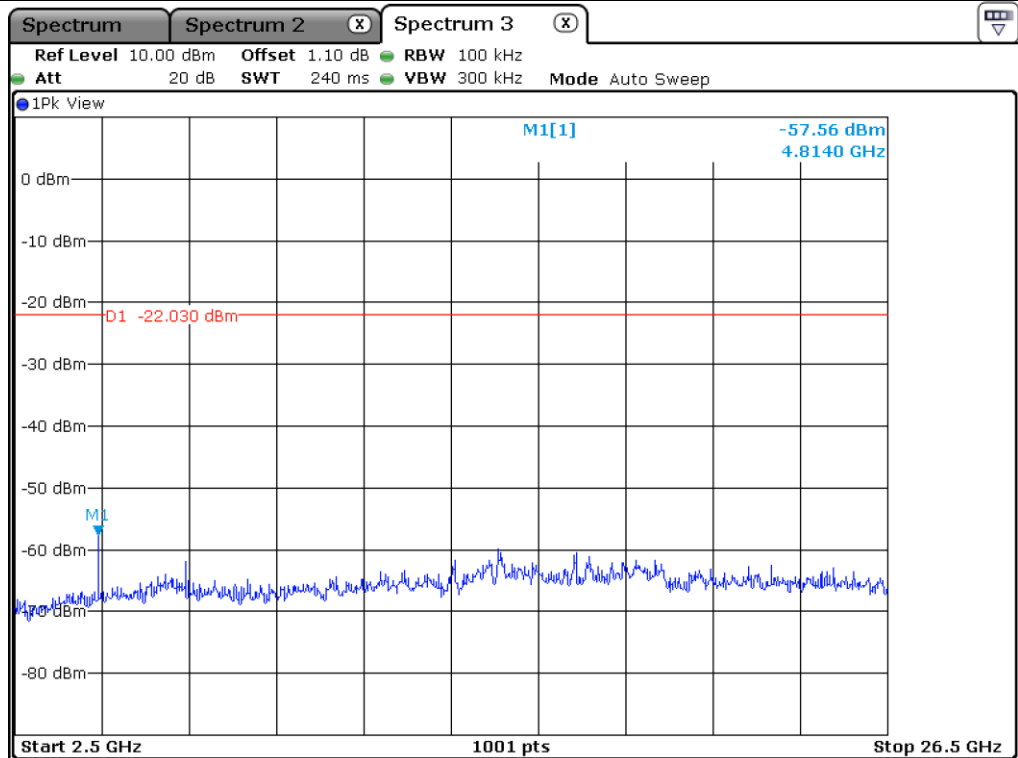
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Low Channel



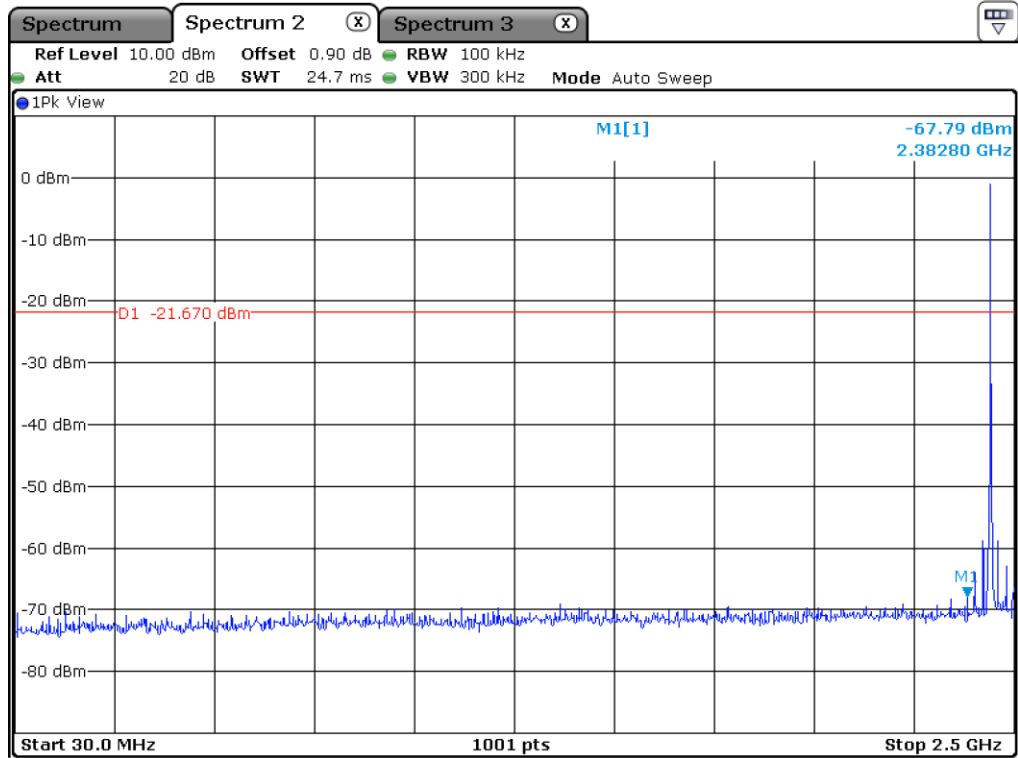
Low Channel

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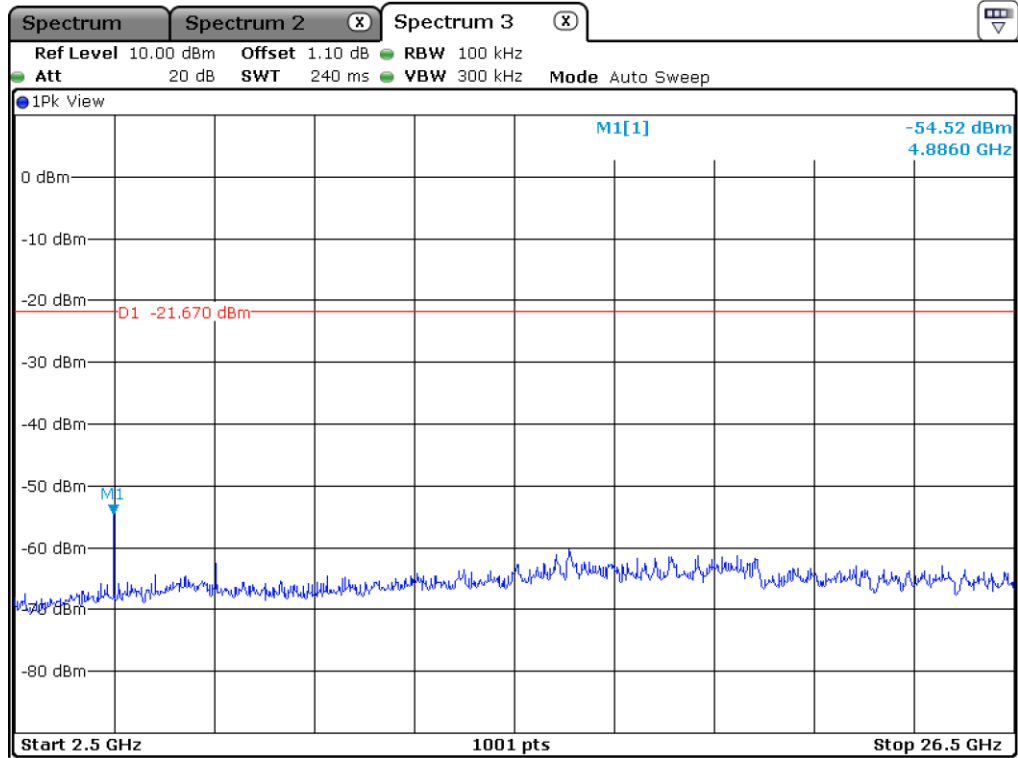
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Middle Channel



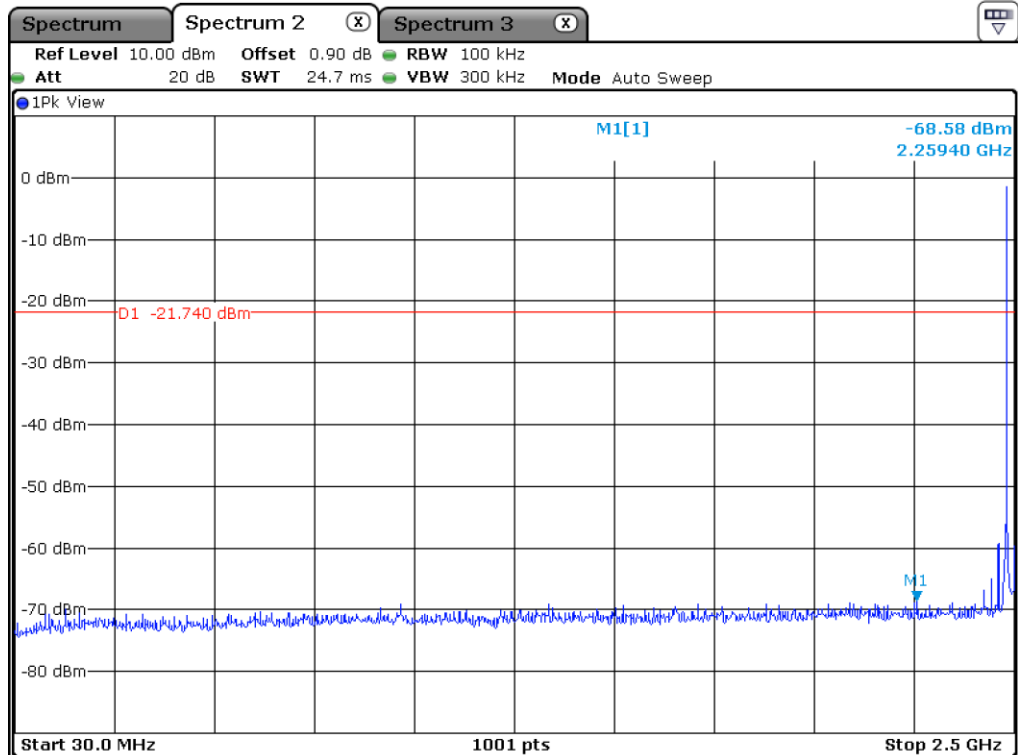
Middle Channel

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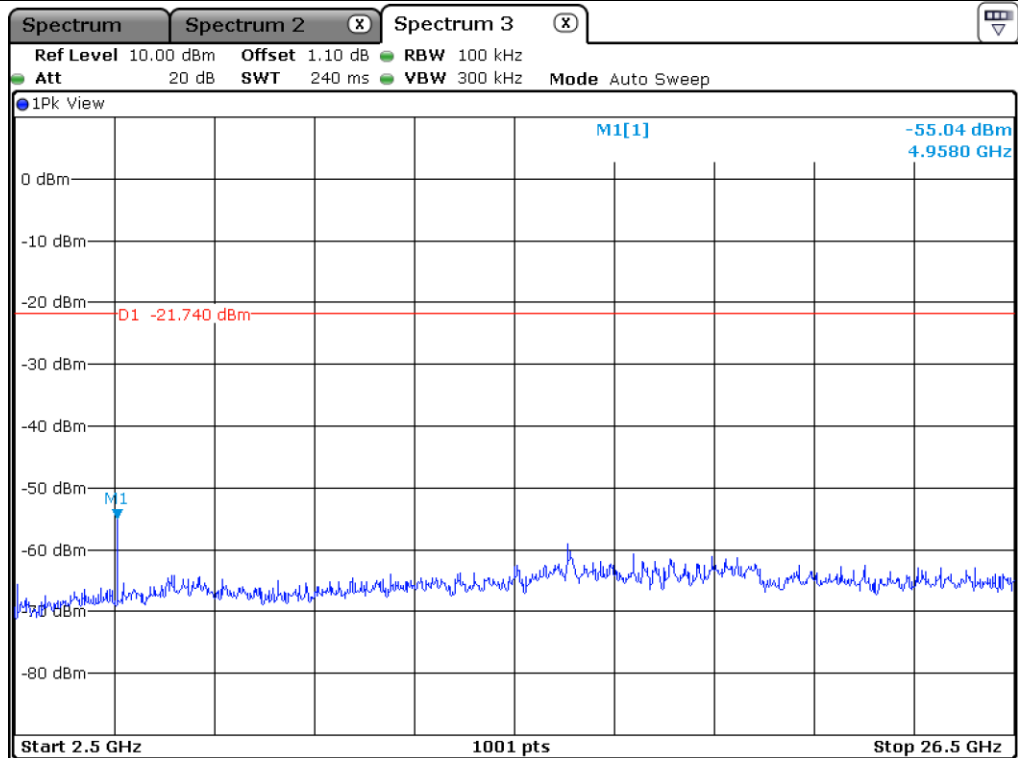
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High Channel



High Channel

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9.6 Test data for radiated emission

9.6.1 Radiated Emission which fall in the Restricted Band

9.6.1.1 Test data for 1 Mbps

- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Duty Cycle : 62.40 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Gain	ATT (dB)	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel											
2383.021	54.24	Peak	H	28.30	6.03	45.14	6.05	-	49.48	74.00	24.52
2345.880	40.68	Average	H	28.30	6.03	45.14	6.05	2.05	37.97	54.00	16.03
2382.929	56.05	Peak	V	28.30	6.03	45.14	6.05	-	51.29	74.00	22.71
2381.830	40.67	Average	V	28.30	6.03	45.14	6.05	2.05	37.96	54.00	16.04
Test Data for High Channel											
2483.626	57.60	Peak	H	28.70	6.12	45.79	6.05	-	52.68	74.00	21.32
2483.517	40.80	Average	H	28.70	6.12	45.79	6.05	2.05	37.93	54.00	16.07
2483.706	56.12	Peak	V	28.70	6.12	45.79	6.05	-	51.20	74.00	22.80
2483.748	40.61	Average	V	28.70	6.12	45.79	6.05	2.05	37.74	54.00	16.26

Remark: "H": Horizontal, "V": Vertical

$$\text{Margin (dB)} = \text{Limits (dB}\mu\text{V/m)} - \text{Total Level (dB}\mu\text{V/m)}$$

$$\text{Total Level} = \text{Reading} + \text{Antenna Factor} + \text{Cable Loss} - \text{AMP Gain} + \text{Duty Factor} + \text{AMP Factor}$$

9.6.2 Spurious & Harmonic Radiated Emission

9.6.2.1 Test data for 1 Mbps

- Resolution bandwidth : 1 MHz for Peak and Average Mode for the emissions fall in restricted band,
1 MHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 26.5 GHz
- Measurement distance : 3 m
- Duty Cycle : 62.40 %
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	AMP Factor	Duty Factor (dB)	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
4804.00	50.96	Peak	H	33.40	7.91	45.10	-	47.17	74.00	26.83
4804.00	40.29	Average	H	33.40	7.91	45.10	2.05	38.55	54.00	15.45
4804.00	50.88	Peak	V	33.40	7.91	45.10	-	47.09	74.00	26.91
4804.00	40.23	Average	V	33.40	7.91	45.10	2.05	38.49	54.00	15.51
4880.00	51.30	Peak	H	33.50	8.08	45.08	-	47.80	74.00	26.20
4880.00	39.52	Average	H	33.50	8.08	45.08	2.05	38.07	54.00	15.93
4880.00	51.19	Peak	V	33.50	8.08	45.08	-	47.69	74.00	26.31
4880.00	39.50	Average	V	33.50	8.08	45.08	2.05	38.05	54.00	15.95
4960.00	50.33	Peak	H	33.30	8.14	45.03	-	46.74	74.00	27.26
4960.00	40.48	Average	H	33.30	8.14	45.03	2.05	38.94	54.00	15.06
4960.00	50.28	Peak	V	33.30	8.14	45.03	-	46.69	74.00	27.31
4960.00	40.38	Average	V	33.30	8.14	45.03	2.05	38.84	54.00	15.16

Remark: "H": Horizontal, "V": Vertical

Margin (dB) = Limits (dBμV/m) - Total Level (dBμV/m)

Total Level = Reading + Antenna Factor + Cable Loss – AMP Gain + Duty Factor

10. PEAK POWER SPECTRAL DENSITY

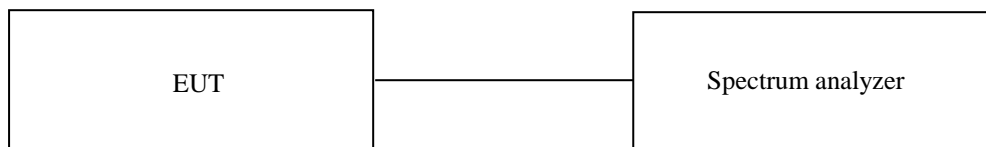
10.1 Operating environment

Temperature : 22.2 °C
Relative humidity : 52 % R.H.

10.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$, the video bandwidth is set to 3 times the resolution bandwidth.



10.3 Test Date

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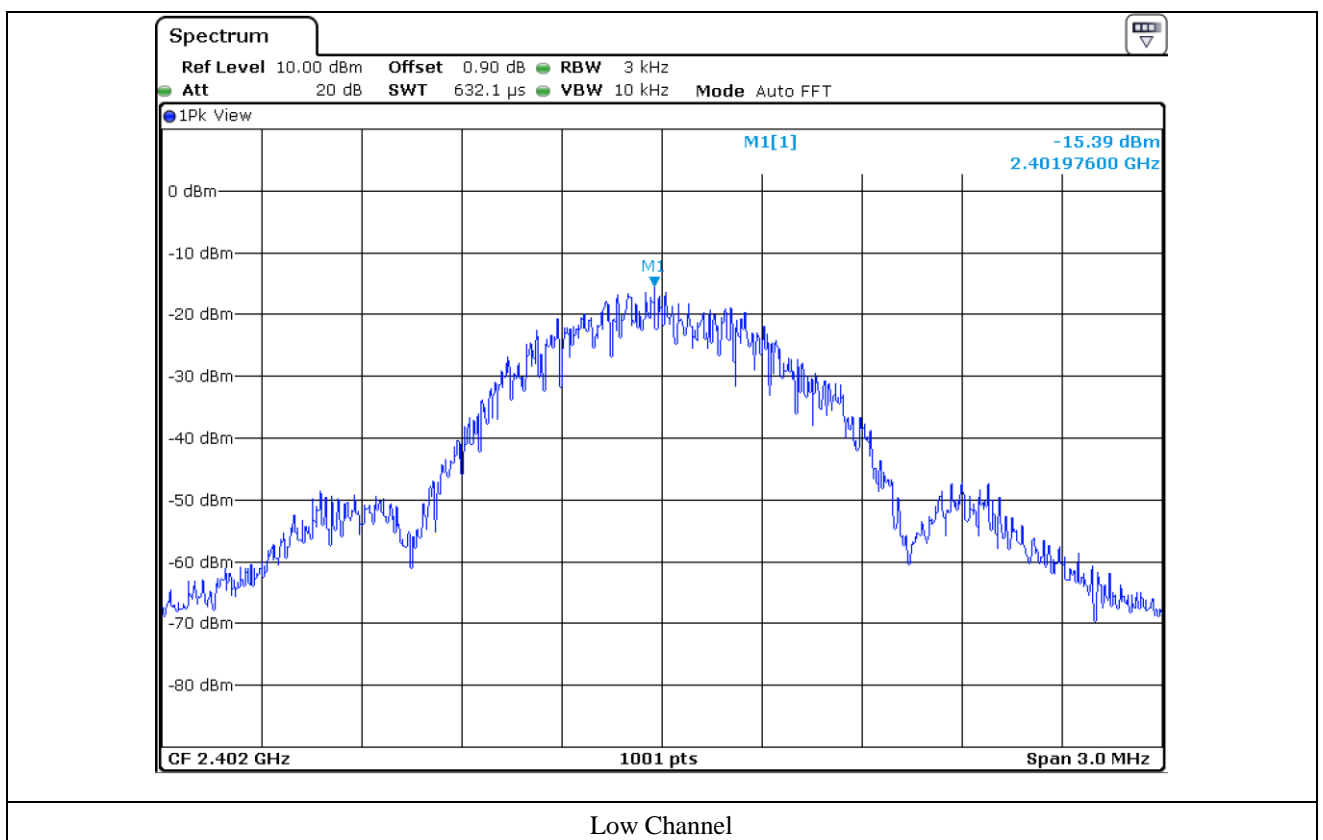
10.4 Test data for 1 Mbps

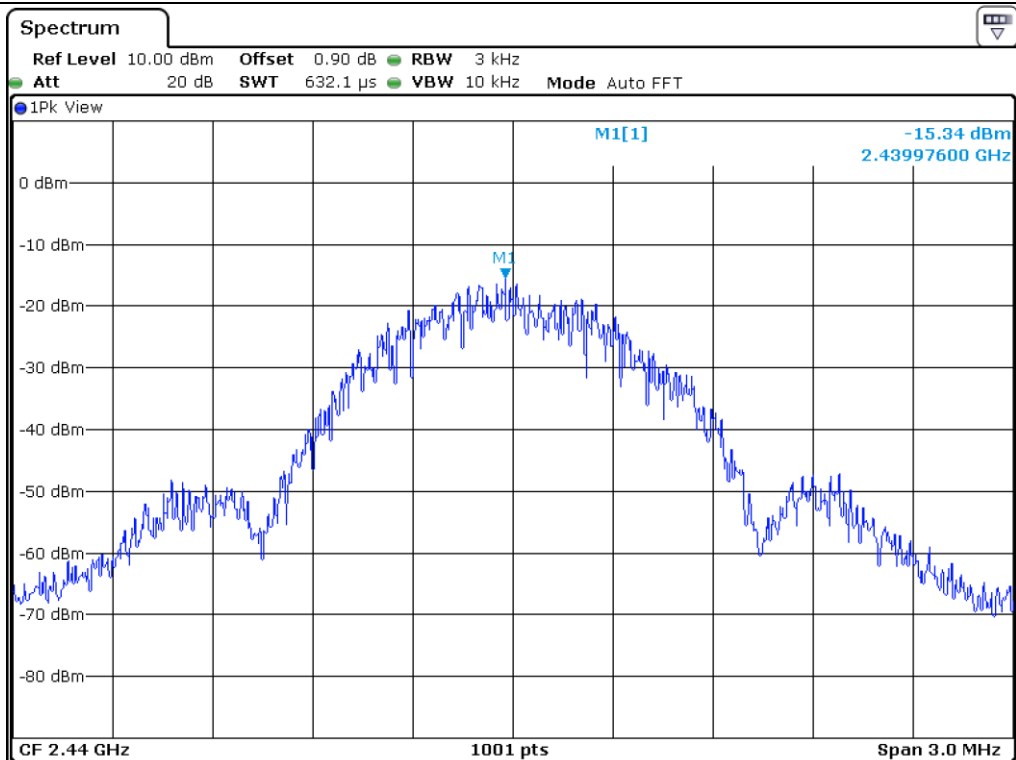
-. Test Result : Pass

-. Operating Condition : Continuous transmitting mode

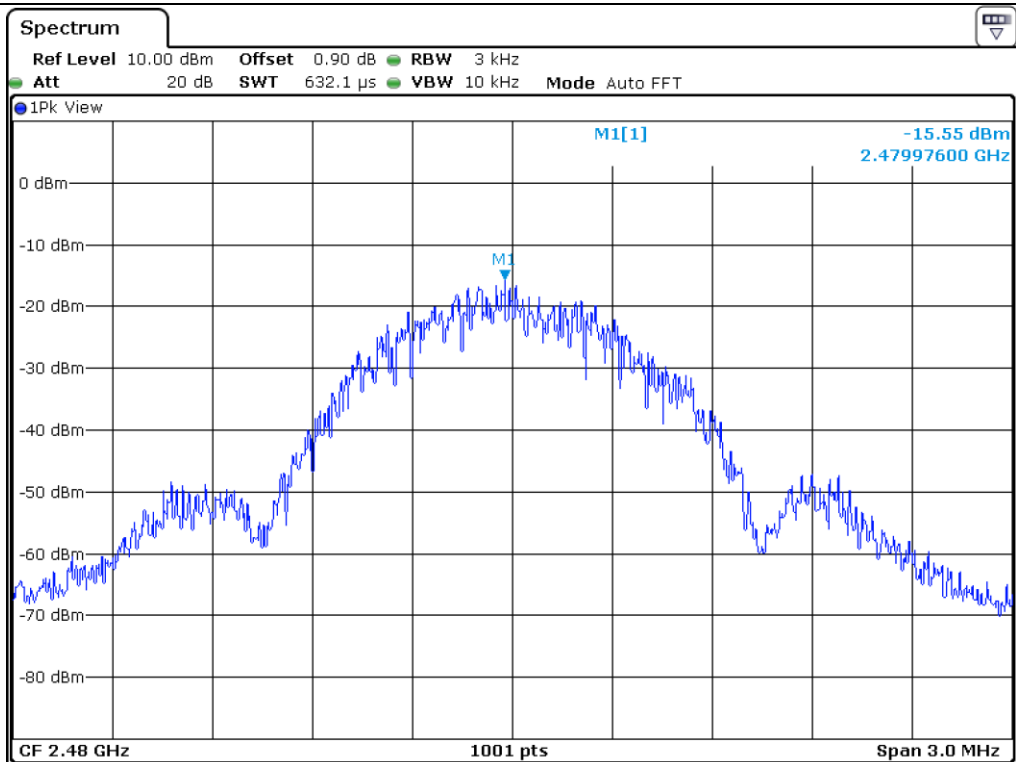
CHANNEL	FREQUENCY(MHz)	MEASURED VALUE (dBm)	LIMIT (dBm)	MARGIN (dB)
Low	2 402.00	-15.39	8.00	23.39
Middle	2 440.00	-15.34	8.00	23.34
High	2 480.00	-15.55	8.00	23.55

Remark. Margin = Limit – Measured value





Middle Channel



High Channel

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11. RADIATED EMISSION TEST

11.1 Operating environment

Temperature : 22.2 °C
Relative humidity : 52 % R.H.

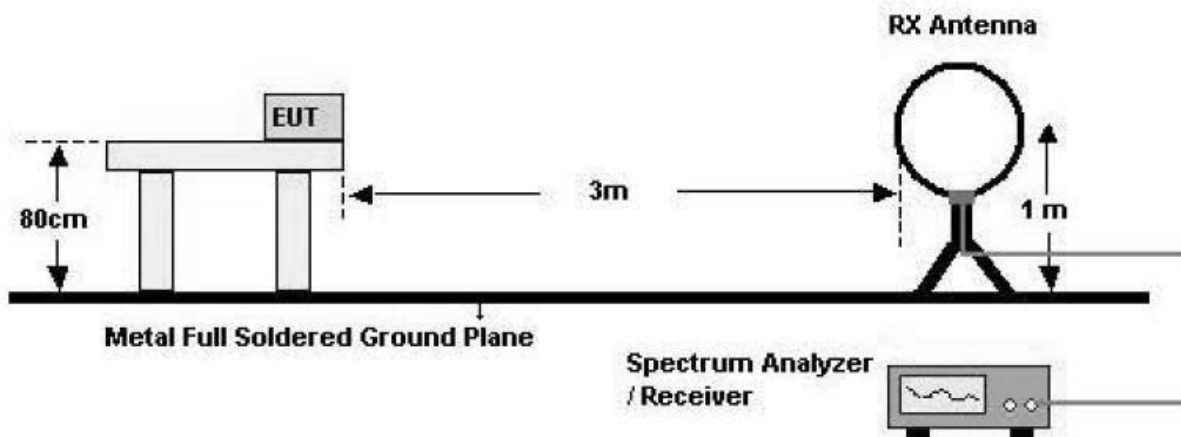
11.2 Test set-up

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

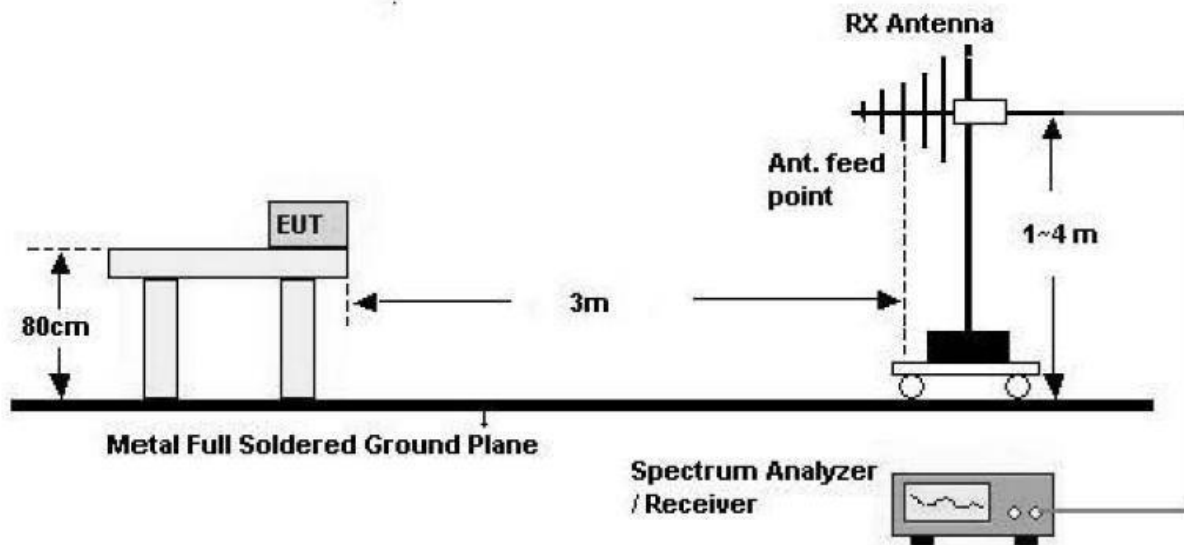
The frequency spectrum from 30 MHz to 26.5 GHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

- Test Configuration

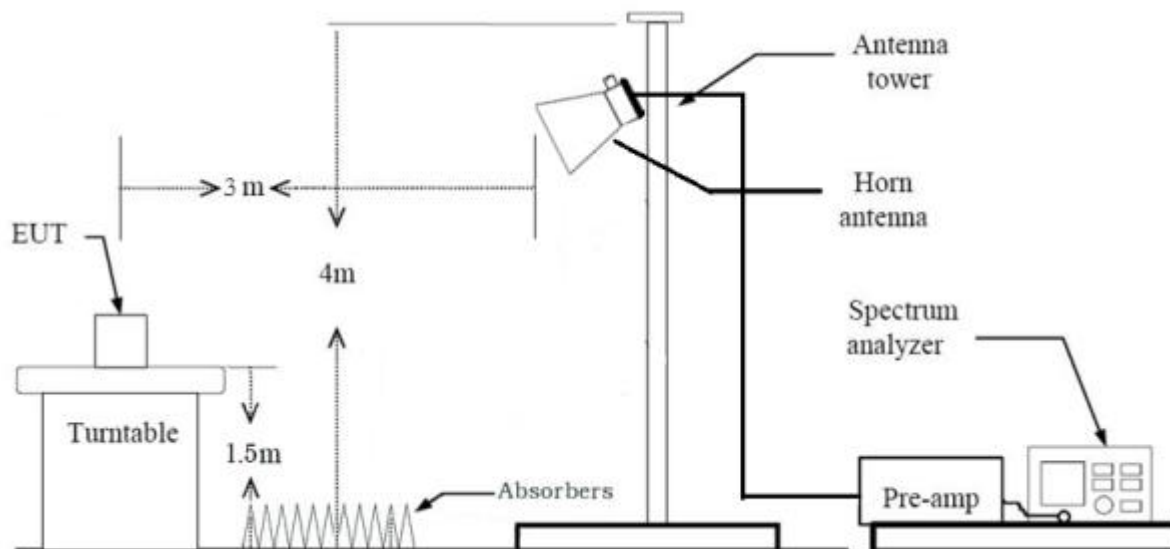
1. Below 30 MHz



2. 30 MHz - 1 GHz



3. Above 1 GHz



11.3 Test Date

April 11, 2022 ~ April 13, 2022

11.4 Test data for 30 MHz ~ 1 GHz

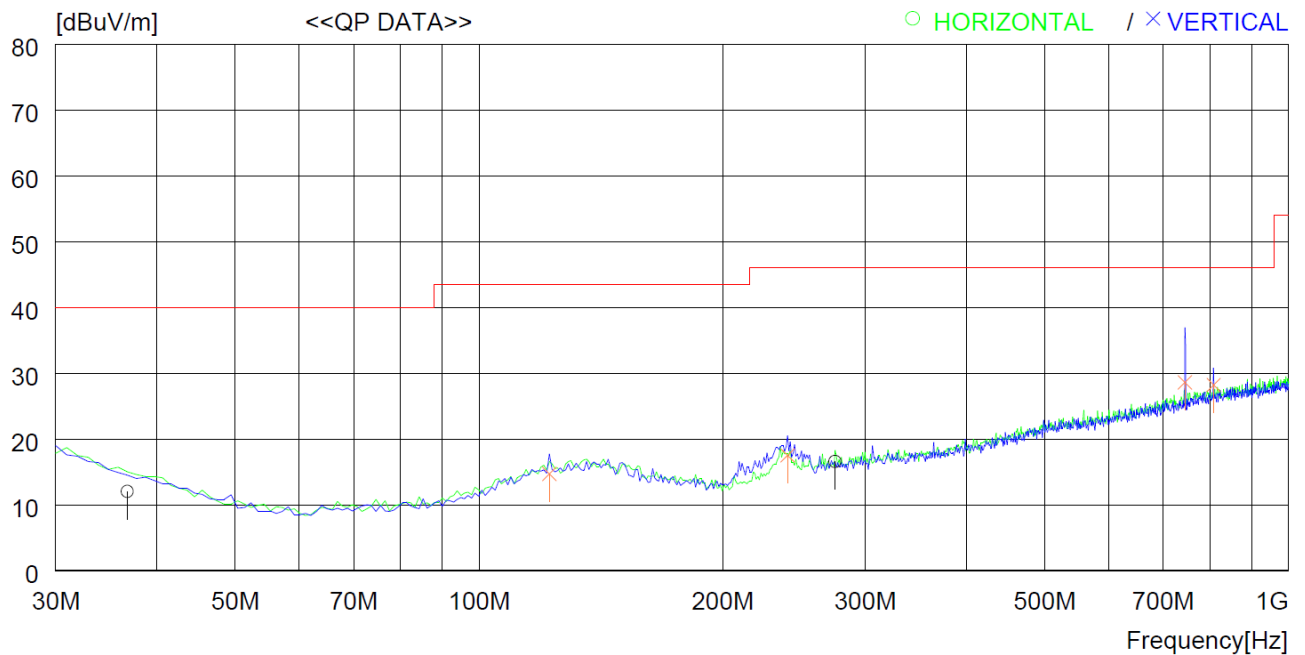
11.4.1 Test data for Transmitting Mode

Limits apply to : FCC CFR 47, PART 15, SUBPART C, SECTION 15.247

Result : PASSED

EUT : Pivo Max

Detector : CISPR Quasi-Peak (6 dB Bandwidth: 120 kHz)



No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	FACTOR	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	36.790	24.3	18.4	1.3	32.0	12.0	40.0	28.0	400	0
2	275.410	27.5	18.4	2.9	32.2	16.6	46.0	29.4	300	138
----- Vertical -----										
3	122.150	26.1	18.7	2.0	32.1	14.7	43.5	28.8	200	104
4	240.490	29.7	17.2	2.7	32.1	17.5	46.0	28.5	100	0
5	744.884	30.1	26.1	4.8	32.4	28.6	46.0	17.4	100	0
6	807.932	28.5	27.0	5.0	32.3	28.2	46.0	17.8	200	226

11.5 Test data for Below 30 MHz

- . Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)
- . Frequency range : 9 kHz ~ 30 MHz
- . Measurement distance : 3 m
- . Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBμV/m)	Limits (dBμV/m)	Margin (dB)
Emission from the EUT more than 20 dB below the limit in each frequency range.									

11.6 Test data for above 1 GHz

- . Resolution bandwidth : 1 MHz for Peak and Average Mode for the emissions fall in restricted band,
1 MHz for Peak Mode for the emissions outside restricted band
- . Video bandwidth : 3 MHz for Peak and Average Mode
- . Frequency range : 1 GHz ~ 26.5 GHz
- . Measurement distance : 3 m
- . Operating mode : Transmitting mode

Frequency (MHz)	Reading (dBμV)	Ant. Pol. (H/V)	Ant. Height (m)	Angle (°)	Ant. Factor (dB/m)	Cable Loss	Emission Level(dBμV/m)	Limits (dBμV/m)	Margin (dB)
Emission from the EUT more than 20 dB below the limit in each frequency range.									

12. CONDUCTED EMISSION TEST

12.1 Operating environment

Temperature : 22.2 °C
Relative humidity : 52 % R.H.

12.2 Test set-up

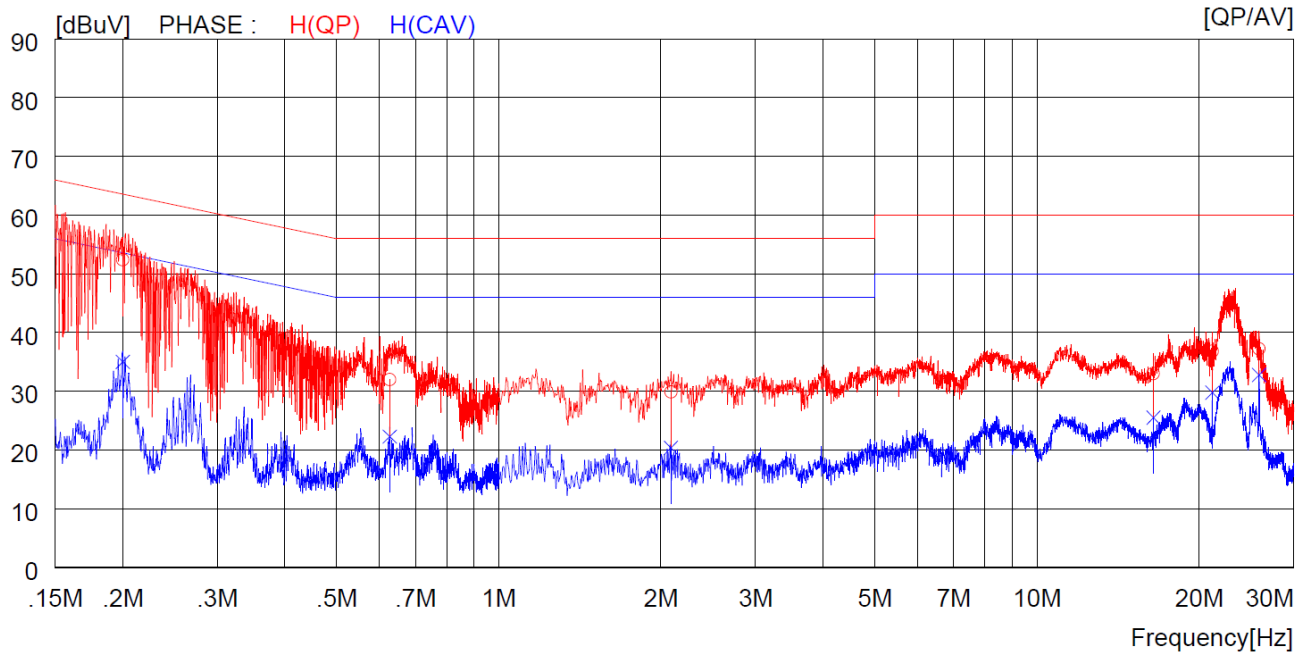
The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a 50 Ω / 50 μ H + 5 Ω Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

12.3 Test date

April 11, 2022 ~ April 13, 2022

12.4 Test data for Charging + Transmitting Mode

- Resolution bandwidth : 9 kHz
- Frequency range : 0.15 MHz ~ 30 MHz
- Tested Line : HOT LINE



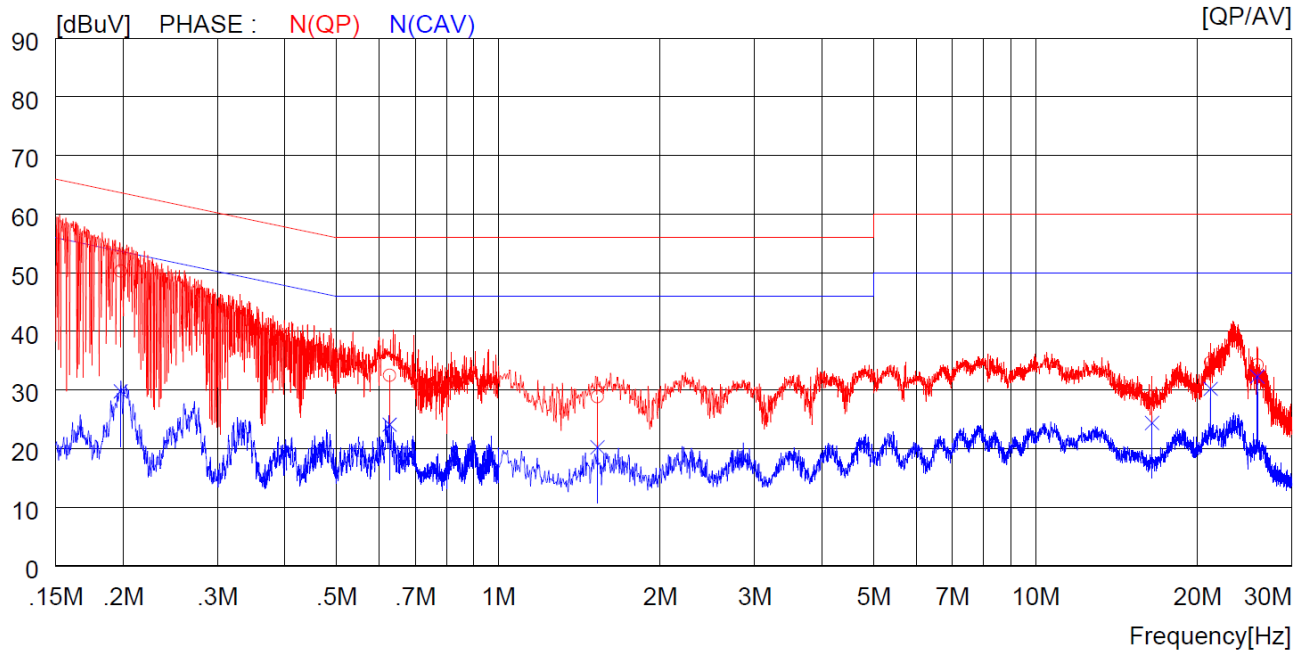
NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.20000	42.4	----	10.0	52.4	----	63.6	----	11.2	----	H (QP)
2	0.62700	22.0	----	10.0	32.0	----	56.0	----	24.0	----	H (QP)
3	2.08800	19.9	----	10.0	29.9	----	56.0	----	26.1	----	H (QP)
4	16.46000	22.6	----	10.4	33.0	----	60.0	----	27.0	----	H (QP)
5	21.16000	26.3	----	10.5	36.8	----	60.0	----	23.2	----	H (QP)
6	25.87000	26.6	----	10.6	37.2	----	60.0	----	22.8	----	H (QP)
7	0.20000	----	25.0	10.0	----	35.0	----	53.6	----	18.6	H (CAV)
8	0.62700	----	12.3	10.0	----	22.3	----	46.0	----	23.7	H (CAV)
9	2.08800	----	10.4	10.0	----	20.4	----	46.0	----	25.6	H (CAV)
10	16.46000	----	15.1	10.4	----	25.5	----	50.0	----	24.5	H (CAV)
11	21.16000	----	19.3	10.5	----	29.8	----	50.0	----	20.2	H (CAV)
12	25.87000	----	22.2	10.6	----	32.8	----	50.0	----	17.2	H (CAV)

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-. Tested Line : NEUTRAL LINE



NO	FREQ [MHz]	READING		C. FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.19800	40.3	----	10.0	50.3	----	63.7	----	13.4	----	N (QP)
2	0.62700	22.5	----	10.0	32.5	----	56.0	----	23.5	----	N (QP)
3	1.52800	18.9	----	10.0	28.9	----	56.0	----	27.1	----	N (QP)
4	16.47000	18.5	----	10.4	28.9	----	60.0	----	31.1	----	N (QP)
5	21.16000	24.2	----	10.5	34.7	----	60.0	----	25.3	----	N (QP)
6	25.87000	23.7	----	10.6	34.3	----	60.0	----	25.7	----	N (QP)
7	0.19800	----	19.8	10.0	----	29.8	----	53.7	----	23.9	N (CAV)
8	0.62700	----	14.1	10.0	----	24.1	----	46.0	----	21.9	N (CAV)
9	1.52800	----	10.2	10.0	----	20.2	----	46.0	----	25.8	N (CAV)
10	16.47000	----	14.0	10.4	----	24.4	----	50.0	----	25.6	N (CAV)
11	21.16000	----	19.7	10.5	----	30.2	----	50.0	----	19.8	N (CAV)
12	25.87000	----	21.7	10.6	----	32.3	----	50.0	----	17.7	N (CAV)

Remark: Margin (dB) = Limit – Level (Result)

The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

12. LIST OF TEST EQUIPMENT

Model Number	Manufacturer	Description	Serial Number	Last Cal.(Interval)
FSV40-N	Rohde & Schwarz	Signal Analyzer	102196	Apr. 11, 2022 (1Y)
ESU	Rohde & Schwarz	EMI Test Receiver	100261	Mar. 07, 2022 (1Y)
310N	Sonoma Instrument	Pre-Amplifier	392756	Oct. 14, 2021 (1Y)
PAM-118A	COM-POWER	Pre-Amplifier	18040081	Oct. 12, 2021 (1Y)
SCU18	Rohde & Schwarz	Pre-Amplifier	102266	Jul. 14, 2021 (1Y)
SCU40A	Rohde & Schwarz	Signal Conditioning unit	100436	Feb. 08, 2022 (1Y)
DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
VULB9163	Schwarzbeck	TRILOG Broadband Antenna	777	Apr. 06, 2022 (2Y)
BBHA 9120D	Schwarzbeck	Horn Antenna	9120D-1366	Jul. 20, 2021 (1Y)
BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170178	Jan. 06, 2022 (1Y)
FMZB 1513	Schwarzbeck	Loop Antenna	1513-235	Mar. 24, 2022 (2Y)
ESCI	Rohde & Schwarz	EMI TEST RECEIVER	101012	Oct. 20, 2021 (1Y)
NSLK8126	Schwarzbeck	AMN	8126404	Mar. 14, 2022 (1Y)
ESH3-Z2	Rohde & Schwarz	PULSE LIMITER	100655	Mar. 14, 2022 (1Y)

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