



RF TEST REPORT

Product Name: Philips Smart-hopping 2.0 Access Point 1.4GHz

Model Name: ITS867216A

FCC ID: PQC-867216A

Issued For : Philips Medical Systems North America Co.

222 Jacobs Street Cambridge Massachusetts United States
02141

Issued By : Shenzhen LGT Test Service Co., Ltd.

Room 205, Building 13, Zone B, Chen Hsong Industrial Park,
No.177 Renmin West Road, Jinsha Community, Kengzi
Street, Pingshan New District, Shenzhen, China

Report Number: LGT24C169RF01

Sample Received Date: Mar. 29, 2024

Date of Tested: Mar. 29, 2024 –Apr. 22, 2024

Date of Issue: Apr. 22, 2024

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TEST REPORT CERTIFICATION

Applicant Philips Medical Systems North America Co.
Address 222 Jacobs Street Cambridge Massachusetts United States 02141
Manufacturer RTX A/S
Address Stroemmen 6, Noerresundby, 9400 Denmark
Product Name Philips Smart-hopping 2.0 Access Point 1.4GHz
Trademark PHILIPS
Model Name ITS867216A
Sample Status: Normal

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
47 CFR FCC Part 95H 47 CFR FCC Part 27 ANSI C63.26:2015	PASS

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Engineer

Approved by:

Vita Li

Vita Li
Technical Director





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Revision History

Rev.	Issue Date	Report Number	Description of Revision
00	Dec. 06, 2022	LGT22K037RF01	Original Report
01	Apr. 22, 2024	LGT24C169RF01	Update the report to add new remote antennas (Model:RTX3466)

Note:

Original:



Update new remote antennas:



Table for new remote antennas

Antenna Name	Model Name	Antenna Type	Connector	Gain (dBi)
Smart-hopping 2.0 Remote Antenna 1.4 GHz	RTX3466	metal antenna	N/A	3



1. SUMMARY OF TEST

47 CFR FCC Part 95H 47 CFR FCC Part 27			
Range Of Measurements	Specification Reference	Judgment	Remark
Transmitter Fundamental Fieldstrength	Part 95.2369(b)	PASS	--
Radiated Emission	Part 27.53(j)	PASS	--
Radiated Emission & field strength	Part 95.2369 & 95.2379	PASS	--

Note: Based on the technical characteristics of the products, this equipment change does not affect the RF Conducted and BTLE, so only the radiation Emission is retested, and the rest remains the same, please refer to the original report No.: LGT22K037RF01.



1.1 TEST FACTORY

Company Name:	Shenzhen LGT Test Service Co., Ltd.
Address:	Room 205, Building 13, Zone B, Chen Hsong Industrial Park, No.177 Renmin West Road, Jinsha Community, Kengzi Street, Pingshan New District, Shenzhen, China
Accreditation Certificate	A2LA Certificate No.: 6727.01
	FCC Registration No.: 746540
	CAB ID: CN0136

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 %.

Parameter	Uncertainty
Occupied Channel Bandwidth	$\pm 3.2 \%$
RF Output Power, Conducted	$\pm 0.71\text{dB}$
Power Spectral Density, Conducted	$\pm 1.57 \text{ dB}$
Unwanted Emission, Conducted	$\pm 0.63\text{dB}$
Conducted emission	$\pm 2.80\text{dB}$
All Emissions, Radiated (0.009-30MHz)	$\pm 2.16\text{dB}$
All Emissions, Radiated (30MHz-1GHz)	$\pm 4.40\text{dB}$
All Emissions, Radiated (1GHz-18GHz)	$\pm 5.49\text{dB}$
Temperature	$\pm 0.5^{\circ}\text{C}$
Humidity	$\pm 2\%$
Duty Cycle	$\pm 2.3\%$



2. GENERAL INFORMATION

2.1 TECHNICAL SPECIFICATIONS AND REGULATIONS

2.1.1 PRODUCT DESCRIPTION

A major technical description of EUT is described as following:

Product Name	Philips Smart-hopping 2.0 Access Point 1.4GHz
Trademark	PHILIPS
Model Name	ITS867216A
Series Model	N/A
Model Difference	N/A
Assigned frequency range	1390-1400 MHz 1427-1435 MHz
Antenna	Philips Smart-hopping 2.0 Access Point 1.4GHz: metal antenna Remote antenna: metal antenna
Antenna gain	Philips Smart-hopping 2.0 Access Point 1.4GHz ANT 1: 1 dBi Philips Smart-hopping 2.0 Access Point 1.4GHz ANT 2: 1 dBi Remote antenna ANT 1: 3 dBi Remote antenna ANT 2: 3 dBi
Power Input	DC 48V from LAN Port
Extreme Vol. Limits	AC 108V to AC 132V (Nominal 120V for PoE switch input)
Operation temperature	0°C to +55°C
Test extreme Temp. Tolerance	-30°C to +50°C
Hardware version number	N/A
Software version number	N/A

Note:

1. The antenna information refer the manufacturer provide report, applicable only to the tested sample identified in the report.
2. Antenna 1 and Antenna 2 do not support simultaneous transmission.



2.1.2 Channel list

Mode	Channel Number	95	27	Modulation type
		1395-1400 1427-1432	1390-1395 1432-1435	
SH 1.0 WMTS	1	1395.8977	/	GFSK
	2	1397.4970	/	
	3	1399.0963	/	
	4	1427.8979	/	
	5	1429.4972	/	
	6	1431.0965	/	
	7	1430.2410	/	
SH 2.0 WMTS	14	1396.636	/	DBPSK DQPSK D8PSK
	15	1398.364	/	
	16	1428.513	/	
	17	1430.241	/	
SH 2.0 E-WMTS	11	/	1391.452	
	12	/	1393.180	
	13	/	1394.908	
	18	1431.969	/	
	19	/	1433.697	

2.1.3 RELATED SUBMITTAL(S) / GRANT (S)

This submittal(s) (test report) is intended for filing to comply with the 47 CFR Part 2, 27.

2.1.4 SPECIAL ACCESSORIES

The charger, antenna supplied by the applicant were used as accessories and being tested with eut intended for fcc grant together.

2.1.5 EUT CONFIGURATION

The EUT configuration for testing is installed on RF field strength measurement to meet the Commission's requirement and operating in a manner which intends to maximize its emission characteristics in a continuous normal application.

2.1.6 EUT EXERCISE

The Transmitter was operated in the maximum output power mode through Communication Tester. The TX frequency was fixed which was for the purpose of the measurements.



2.1.7 DESCRIPTION OF THE TEST MODES

SH 1.0 WMTS		SH 2.0 WMTS		SH 2.0 E-WMTS	
Channel	Frequency	Channel	Frequency	Channel	Frequency
1	1395.8977	14	1396.636	11	1391.452
4	1427.8979	16	1428.513	13	1394.908
6	1431.0965	17	1430.241	18	1431.969
/	/	/	/	19	1433.697

Note: Only the worst modulation GFSK, DBPSK, D8PSK was tested and recorded in this report.

2.1.8 TEST SOFTWARE AND POWER LEVEL

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level.

Test software Version	Test program: 1.4GHz	
CMD	SH 1.0 WMTS	Default
	SH 2.0 WMTS	Default
	SH 2.0 E-WMTS	Default



2.1.9 DESCRIPTION OF necessary accessories AND support units

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

Accessories Equipment

Description	Manufacturer	Model	S/N	Rating
coaxial and unshielded twisted pair (UTP) cable	N/A	N/A	N/A	74FT

Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
Laptop	HUAWEI	HKF-16	N/A	N/A
8-Port Gigabit Desktop Switch with 4-Port PoE	TP-LINK	TL-SG1008P	N/A	48V==1.25A
Adapter	TP-LINK	T480125-2-DT	N/A	Input: 100-240V-50/60Hz 1.4A Output: 48V==1.25A
Smart-hopping Philips Smart-hopping 2.0 Access Point 1.4GHz Controller	Philips	ITS867214A	N/A	Input: 100-240V-50/60Hz 1.5A
USB-A to USB-B cable	N/A	N/A	N/A	1.7m, shielded
RJ45 cable	N/A	N/A	N/A	2m
RJ45 cable	N/A	N/A	N/A	1m
RJ45 cable	N/A	N/A	N/A	1m

Note:

- (1) For detachable type I/O cable should be specified the length in cm in 『Length』 column.
- (2) “YES” is means “with core”; “NO” is means “without core”.



2.1.11 MEASUREMENT INSTRUMENTS

Conducted Emission					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2024.03.09	2025.03.08
LISN	COM-POWER	LI-115	02032	2024.03.09	2025.03.08
LISN	SCHWARZBECK	NNLK 8122	00160	2024.03.09	2025.03.08
Transient Limiter	CYBERTEK	EM5010A	E2250100049	2024.03.09	2025.03.08
Temperature & Humidity	KTJ	TA218B	N.A	2024.03.09	2025.03.08
Testing Software	EMC-I_V1.4.0.3_SKET				

Radiated Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
EMI Test Receiver	R&S	ESU8	100372	2024.03.09	2025.03.08
Active loop Antenna	ETS	6502	00049544	2023.10.13	2025.10.12
Spectrum Analyzer	Keysight	N9010B	MY60242508	2023.08.14	2024.08.13
Bilog Antenna(30M-1G)	SCHWARZBECK	VULB 9168	2705	2022.12.12	2025.12.11
Horn Antenna(1-18G)	SCHWARZBECK	3115	10SL0060	2022.06.02	2025.06.01
Horn Antenna(18-40G)	A-INFO	LB-180400-KF	J211060273	2022.06.08	2025.06.07
Pre-amplifier(30M-1G)	EMtrace	RP01A	02019	2024.03.09	2025.03.08
Pre-amplifier(1-26.5G)	Agilent	8449B	3008A4722	2024.03.09	2025.03.08
Pre-amplifier(18-40G)	com-mw	LNPA_18-40-01	18050003	2024.03.09	2025.03.08
Wireless Communications Test Set	R&S	CMW 500	137737	2024.03.09	2025.03.08
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2024.03.11	2025.03.10
Testing Software	EMC-I_V1.4.0.3_SKET				

RF Conducted Test equipment					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Until
Signal Analyzer	Keysight	N9010B	MY60242508	2023.08.14	2024.08.13
Signal Analyzer	Keysight	N9020A	MY50530994	2024.03.09	2025.03.08
RF Automatic Test system	MW	MW100-RFCB	MW220322L G-033	2024.03.09	2025.03.08
MXG Vector Signal Generator	Keysight	N5182B	MY59100717	2024.03.09	2025.03.08
Temperature& Humidity test chamber	AISRY	LX-1000L	171200018	2024.03.09	2025.03.08
Attenuator	eastsheep	90db	N.A	2024.03.09	2025.03.08
Temperature & Humidity	JINGCHUANG	BT-3	N.A	2024.03.11	2025.03.10
Digital multimeter	MASTECH	MS8261	MBGBC83053	2024.03.09	2025.03.08
Testing Software	MTS8310_V2.0.0.0_MW				



4. RADIATED SPURIOUS EMISSION (PART 27)

3.1 LIMIT

According to FCC PART 27.53 (j)

(1) For operations in the unpaired 1390-1392 MHz band and the paired 1392-1395 MHz and 1432-1435 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB.

3.2 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

3.3 TEST SETUP

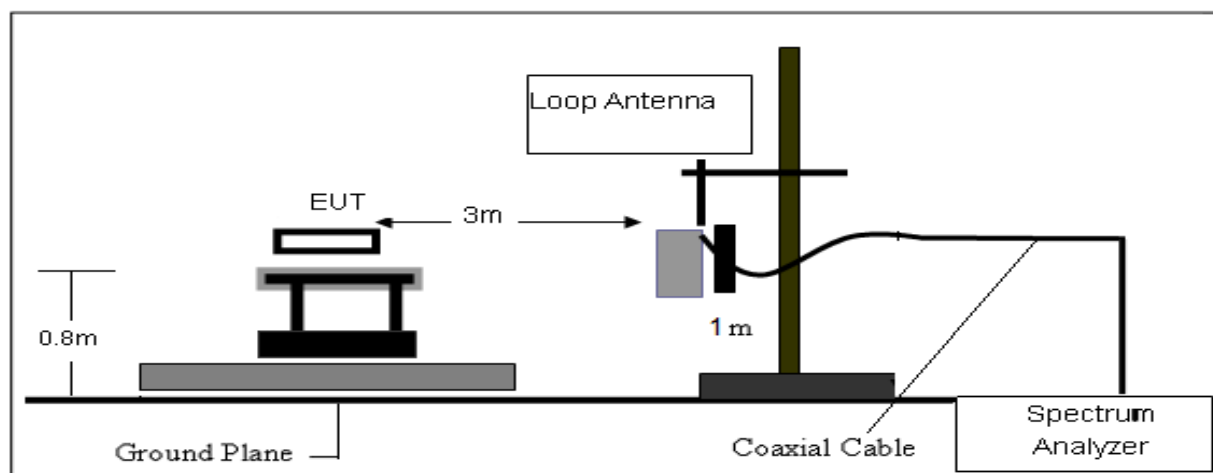
The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx(dBuV) + CL(dB) + SA(dB) + Gain(dBi) - 95.2(dBuV/m \text{ to } dBm)$ The SA is calibrated using following setup.

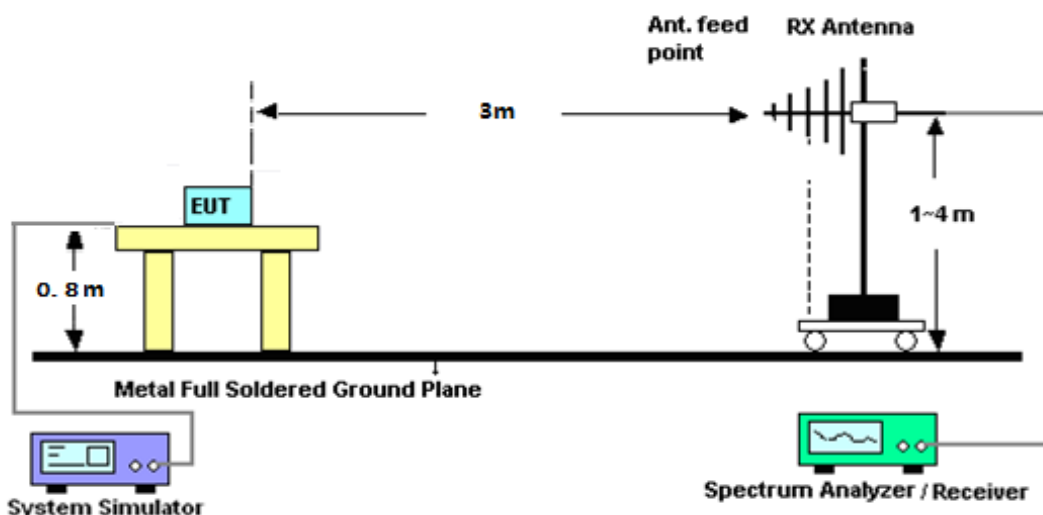
b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

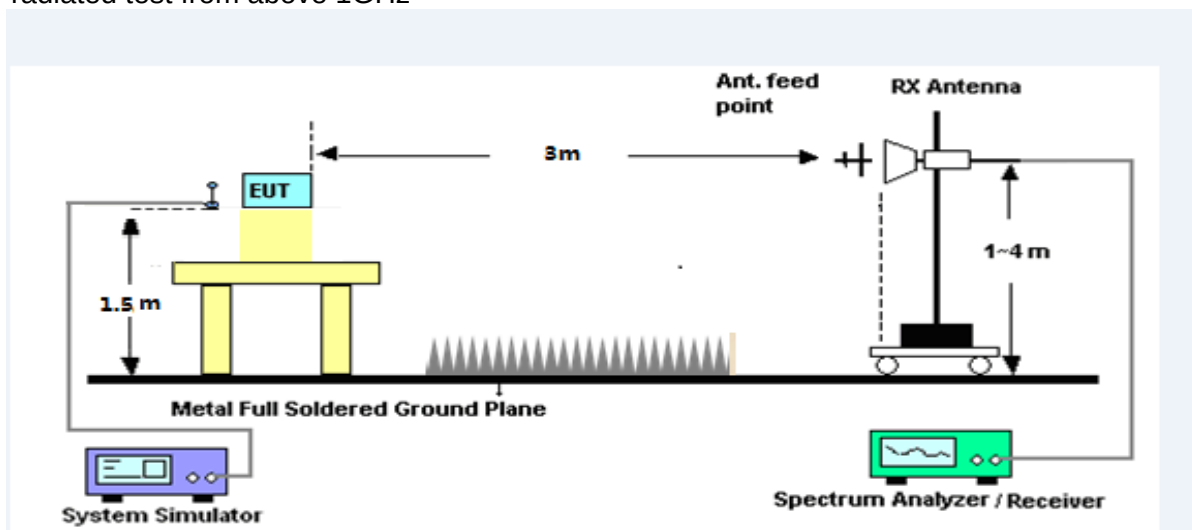
For radiated test from below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



3.4 TEST PROCEDURES

1. The testing follows C63.26:2015 Section 5.5.
 2. The EUT was placed on a rotatable wooden table with 1.5 meter above ground.
 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
 4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
 5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations
 6. Repeat step 2 to step 5 for another polarization.
 7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
- The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P (Watts)
- $$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$
- $$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$
- $$= -13\text{dBm}$$



3.5 TEST RESULTS

FOR THE MEASUREMENT RECORDS, REFER TO THE APPENDIX I.

Note:

1. 9KHz-30MHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Test is divided into three directions, X/Y/Z. X pattern is the worst.
3. Pre-test with remote antenna and without remote antenna modes, find the worst case is with remote antenna mode and recorded in this report.



4. RADIATED SPURIOUS EMISSION AND FIELDSTRENGTH (PART 95)

4.1 LIMIT

RADIATED SPURIOUS EMISSION

Below 1GHz

Frequencies (MHz)	Field Strength (micorvolts/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

Above 1GHz

FREQUENCY (MHz)	(dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Fundamental Fieldstrength

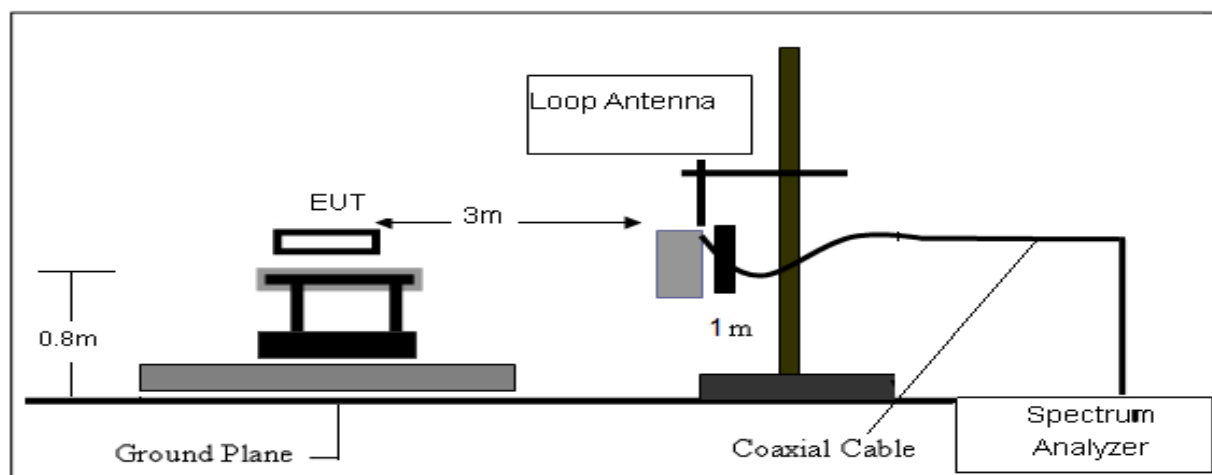
Frequency Band (MHz)	dBuV/m
1395.0 – 1400	117.4
1427.0 – 1400	117.4

Note: According to Part 95.369 the radiated field strenath limit is 740 mV/m (117.4 dBuV/m) at 3 metres. Toconvert from fieldstrength to an equivalent conducted power in dBm, subtract 95.2 dB. (117.4 -95.2 = 22.2). The figure of 95.2 dB is arrived at using the formula $P = (V/m \times d) / 30$.

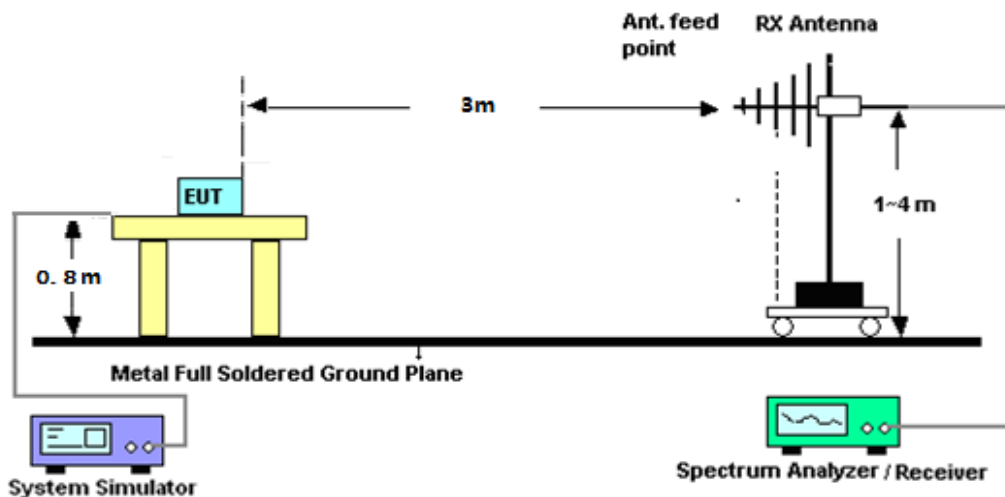
4.2 Test Setup

The procedure of radiated spurious emissions is as follows:

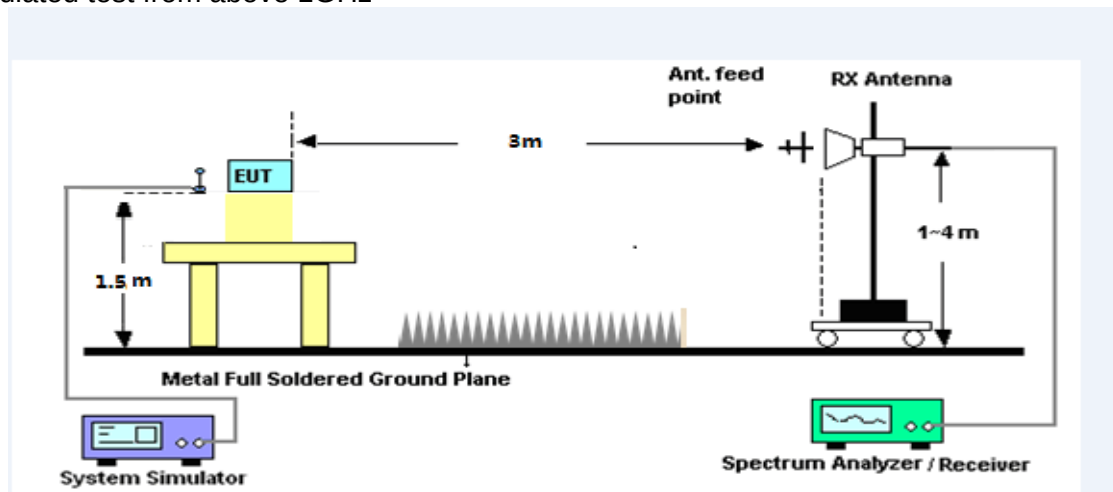
For radiated test from below 30MHz



For radiated test from 30MHz to 1GHz



For radiated test from above 1GHz



4.3 TEST PROCEDURES

- The measuring distance at 3 m shall be used for measurements at frequency 0.009MHz up to 1GHz, and above 1GHz.
- The EUT was placed on the top of a rotating table 0.8 m (above 1GHz is 1.5 m) above the ground at a 3 m anechoic chamber test site. The table was rotated 360 degree to determine the position of the highest radiation.
- The height of the equipment shall be 0.8 m(above 1GHz is 1.5 m); the height of the test antenna shall vary between 1 m to 4 m. Horizontal and vertical polarization of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and QuasiPeak detector mode will be re-measured.
- If the Peak Mode measured value is compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and no additional QP Mode measurement was performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.
Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported.

4.4 TEST RESULTS

FOR THE MEASUREMENT RECORDS, REFER TO THE APPENDIX I.



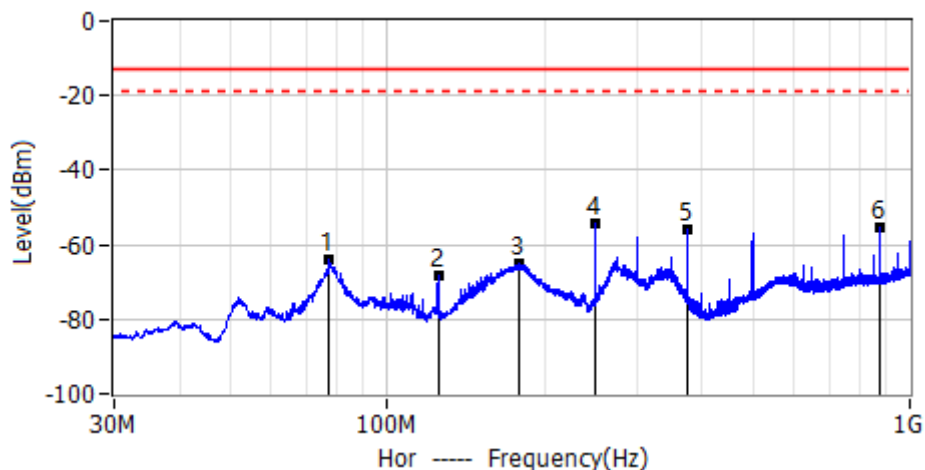
APPENDIX I - TEST RESULTS

RADIATED SPURIOUS EMISSION (PART 27)

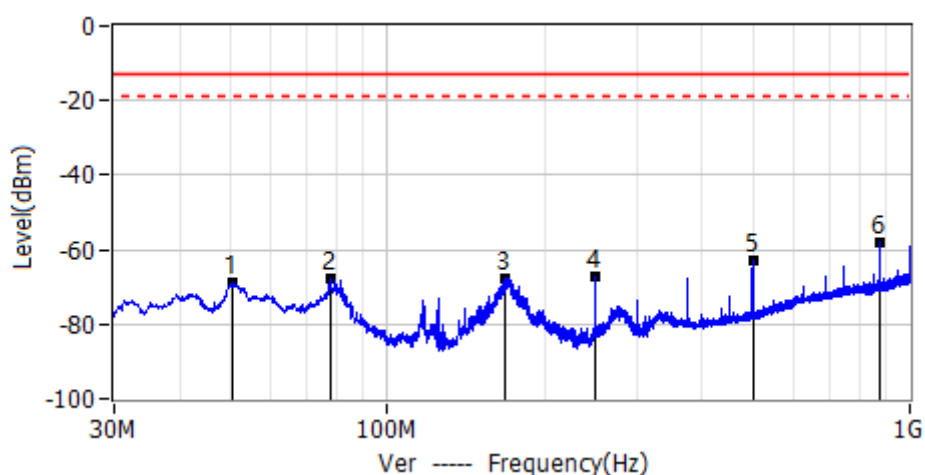
1. 9KHz-30MHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Test is divided into three directions, X/Y/I. X pattern is the worst.
3. Pre-test with remote antenna and without remote antenna modes, find the worst case is with remote antenna mode and recorded in this report.



Project: LGT24C169	Test Engineer: xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 22.3°C
M/N: ITS867216A	Humidity: 44%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: TX 1.4GHz	
Note:	



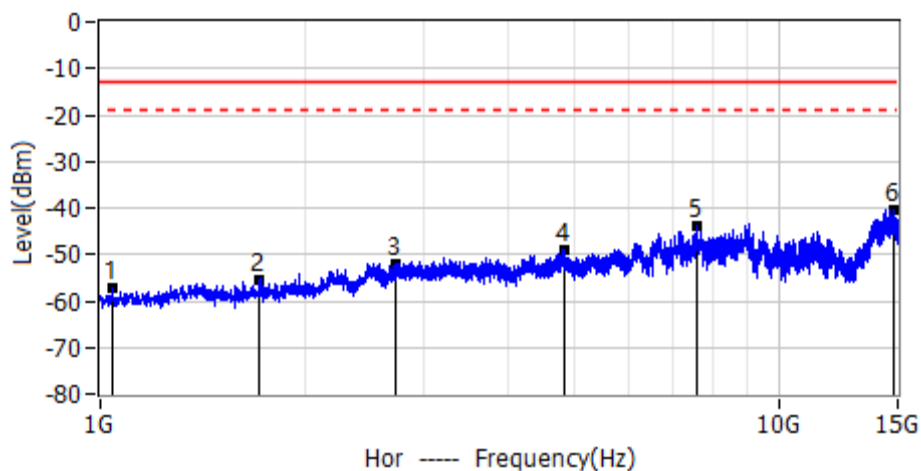
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	77.1663	-64.05	-13.00	-51.05	RMS	Hor
2*	124.9388	-68.14	-13.00	-55.14	RMS	Hor
3*	178.6525	-65.12	-13.00	-52.12	RMS	Hor
4*	249.9475	-54.26	-13.00	-41.26	RMS	Hor
5*	374.9563	-55.71	-13.00	-42.71	RMS	Hor
6*	875.1125	-55.37	-13.00	-42.37	RMS	Hor



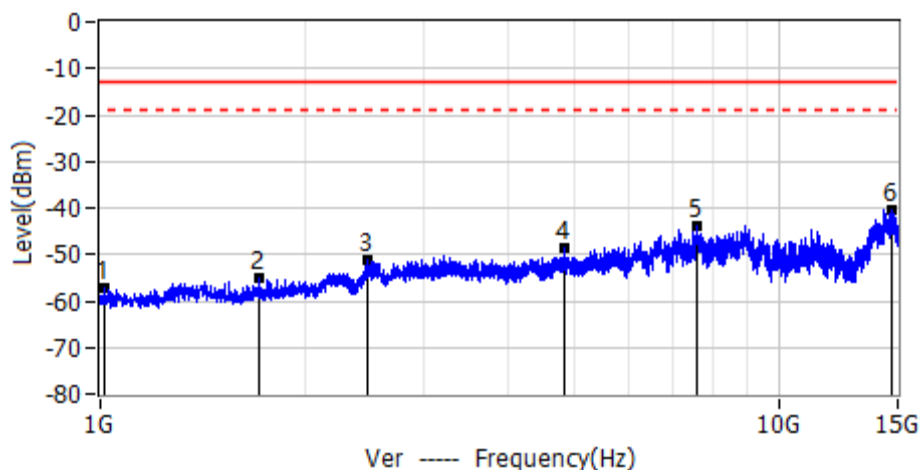
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	50.4913	-68.73	-13.00	-55.73	RMS	Ver
2*	77.8938	-67.70	-13.00	-54.70	RMS	Ver
3*	168.5888	-67.70	-13.00	-54.70	RMS	Ver
4*	249.9475	-67.44	-13.00	-54.44	RMS	Ver
5*	499.9650	-63.05	-13.00	-50.05	RMS	Ver
6*	875.1125	-58.26	-13.00	-45.26	RMS	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_D8PSK_CH11_1391.452	
Note: with remote antenna	



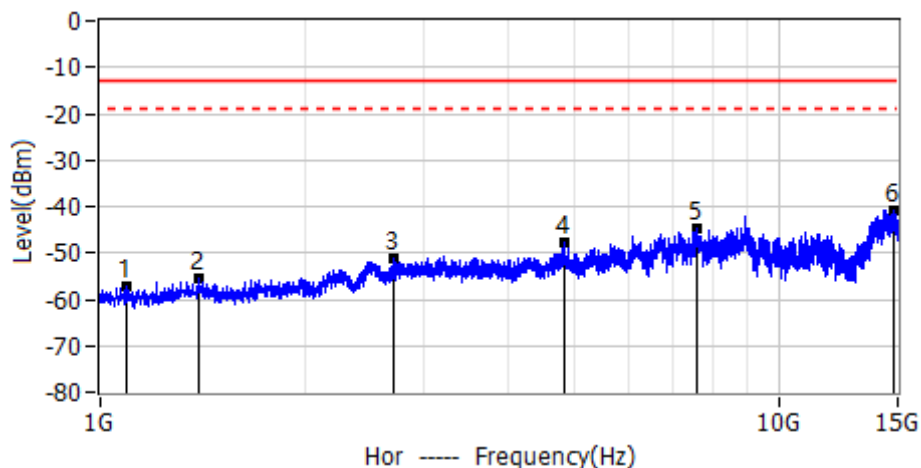
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1043.7000	-57.39	-13.00	-44.39	PK	Hor
2*	1714.0000	-55.32	-13.00	-42.32	PK	Hor
3*	2730.7000	-51.83	-13.00	-38.83	PK	Hor
4*	4834.2000	-49.08	-13.00	-36.08	PK	Hor
5*	7580.0000	-43.72	-13.00	-30.72	PK	Hor
6*	14751.5000	-40.32	-13.00	-27.32	PK	Hor



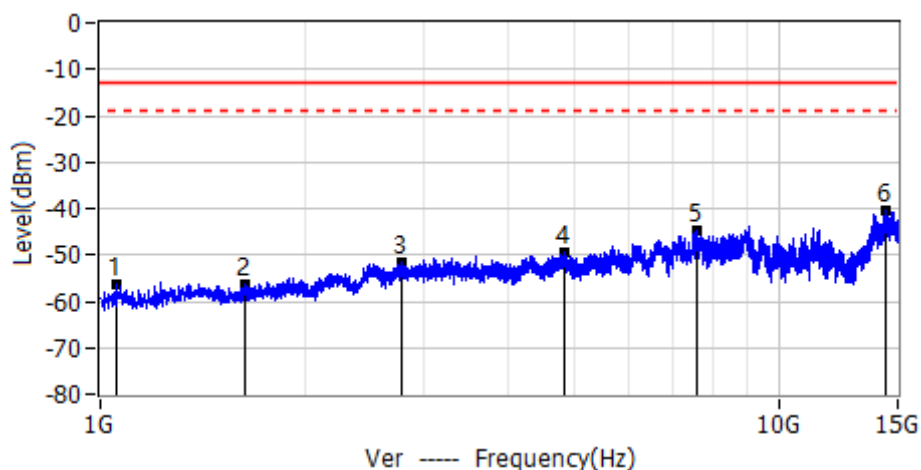
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1012.2000	-57.40	-13.00	-44.40	PK	Ver
2*	1715.7000	-54.97	-13.00	-41.97	PK	Ver
3*	2473.5000	-51.25	-13.00	-38.25	PK	Ver
4*	4829.0000	-48.50	-13.00	-35.50	PK	Ver
5*	7571.2000	-44.01	-13.00	-31.01	PK	Ver
6*	14697.2000	-40.46	-13.00	-27.46	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_D8PSK_CH13_1394.908	
Note: with remote antenna	



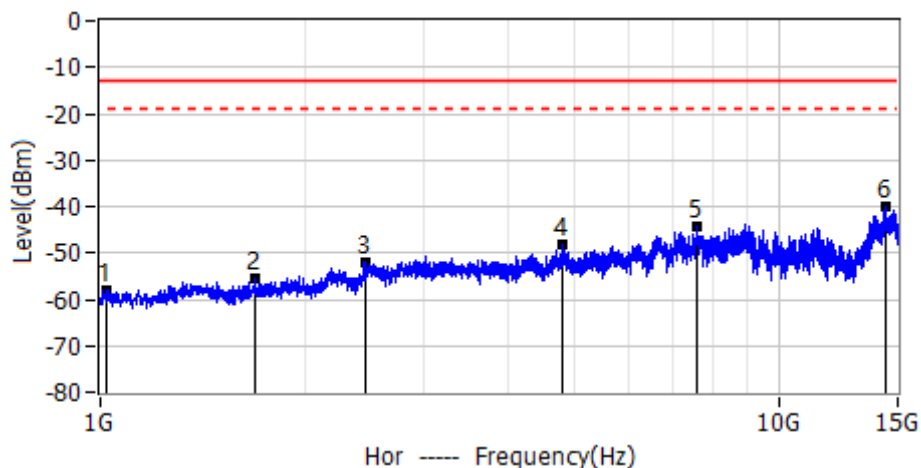
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1092.7000	-57.26	-13.00	-44.26	PK	Hor
2*	1399.0000	-55.68	-13.00	-42.68	PK	Hor
3*	2704.5000	-51.17	-13.00	-38.17	PK	Hor
4*	4837.7000	-47.93	-13.00	-34.93	PK	Hor
5*	7588.7000	-44.61	-13.00	-31.61	PK	Hor
6*	14826.7000	-40.81	-13.00	-27.81	PK	Hor



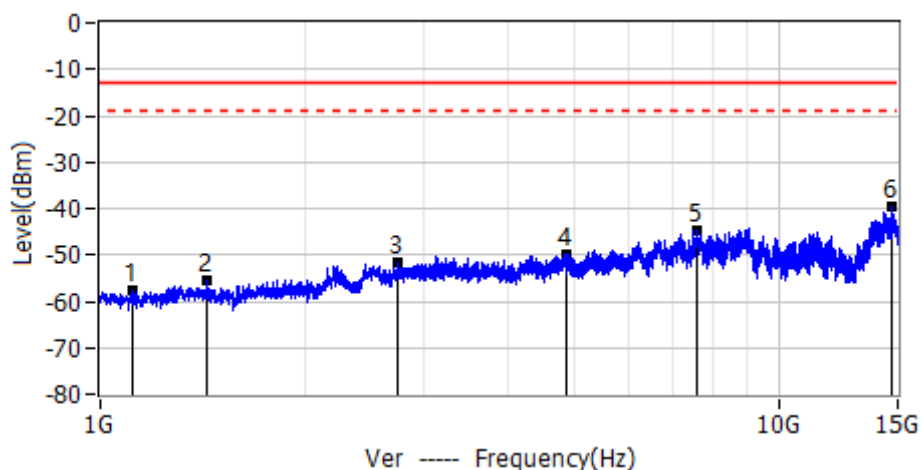
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1059.5000	-56.36	-13.00	-43.36	PK	Ver
2*	1630.0000	-56.19	-13.00	-43.19	PK	Ver
3*	2779.7000	-51.72	-13.00	-38.72	PK	Ver
4*	4832.5000	-49.55	-13.00	-36.55	PK	Ver
5*	7581.7000	-44.83	-13.00	-31.83	PK	Ver
6*	14361.2000	-40.47	-13.00	-27.47	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_D8PSK_CH18_1431.969	
Note: with remote antenna	



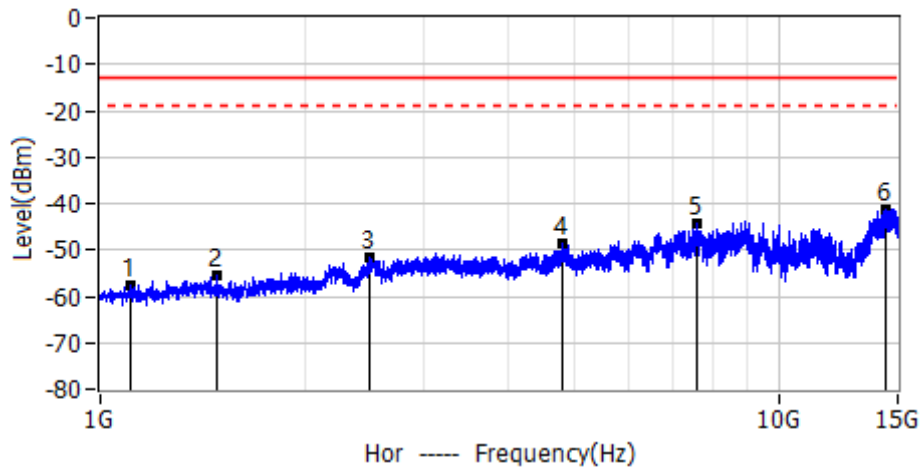
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1021.0000	-57.98	-13.00	-44.98	PK	Hor
2*	1687.7000	-55.65	-13.00	-42.65	PK	Hor
3*	2468.2000	-51.86	-13.00	-38.86	PK	Hor
4*	4790.5000	-48.23	-13.00	-35.23	PK	Hor
5*	7574.7000	-44.22	-13.00	-31.22	PK	Hor
6*	14413.7000	-39.96	-13.00	-26.96	PK	Hor



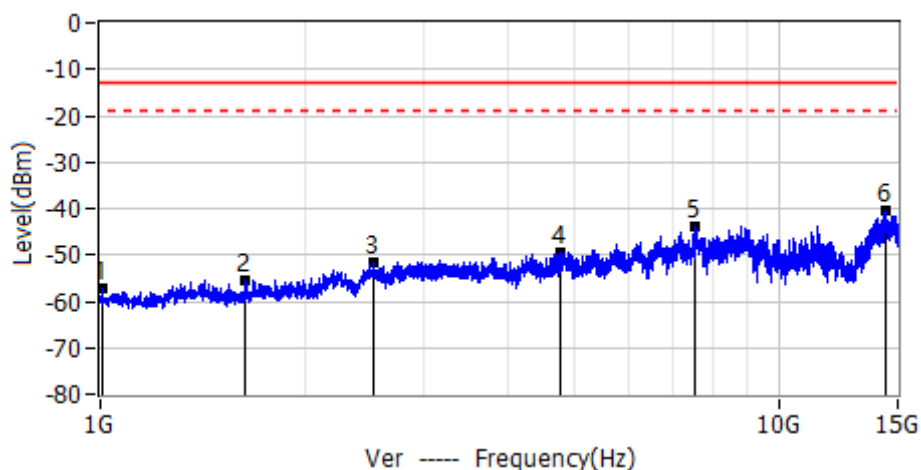
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1119.0000	-57.68	-13.00	-44.68	PK	Ver
2*	1439.2000	-55.43	-13.00	-42.43	PK	Ver
3*	2739.5000	-51.80	-13.00	-38.80	PK	Ver
4*	4858.7000	-49.88	-13.00	-36.88	PK	Ver
5*	7585.2000	-44.65	-13.00	-31.65	PK	Ver
6*	14709.5000	-39.54	-13.00	-26.54	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_D8PSK_CH19_1433.697	
Note: with remote antenna	



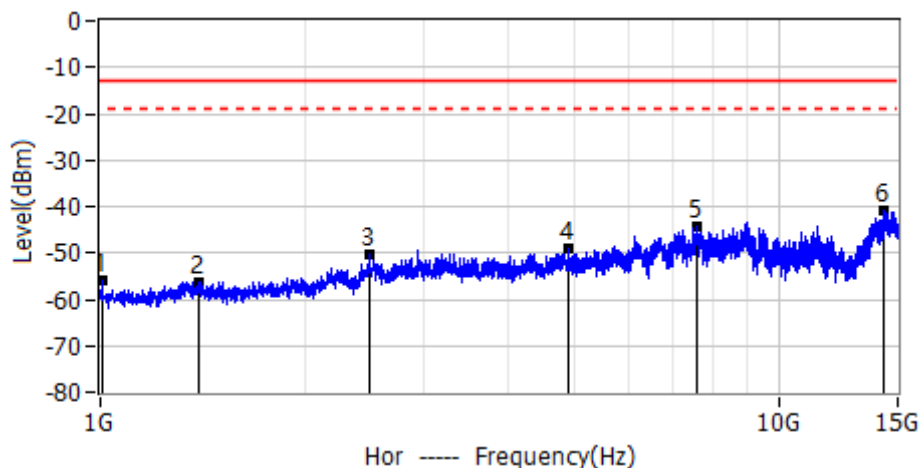
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1105.0000	-57.43	-13.00	-44.43	PK	Hor
2*	1490.0000	-55.68	-13.00	-42.68	PK	Hor
3*	2494.5000	-51.41	-13.00	-38.41	PK	Hor
4*	4808.0000	-48.81	-13.00	-35.81	PK	Hor
5*	7592.2000	-44.17	-13.00	-31.17	PK	Hor
6*	14415.5000	-41.14	-13.00	-28.14	PK	Hor



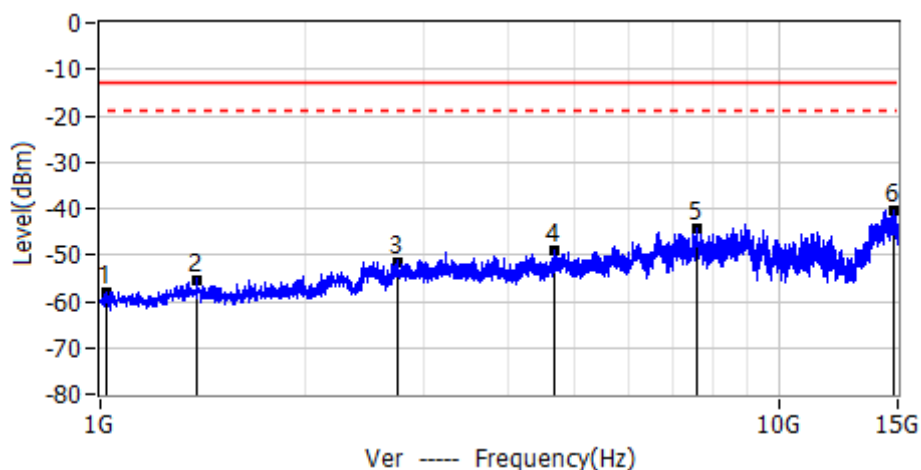
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1007.0000	-57.18	-13.00	-44.18	PK	Ver
2*	1630.0000	-55.40	-13.00	-42.40	PK	Ver
3*	2531.2000	-51.62	-13.00	-38.62	PK	Ver
4*	4755.5000	-49.39	-13.00	-36.39	PK	Ver
5*	7555.5000	-44.03	-13.00	-31.03	PK	Ver
6*	14359.5000	-40.58	-13.00	-27.58	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_DBPSK_CH11_1391.452	
Note: with remote antenna	



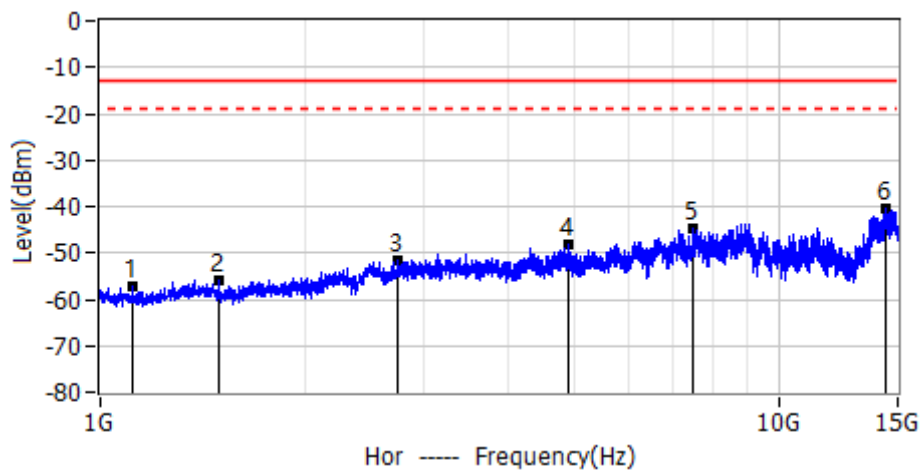
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1003.5000	-55.94	-13.00	-42.94	PK	Hor
2*	1393.7000	-56.16	-13.00	-43.16	PK	Hor
3*	2492.7000	-50.43	-13.00	-37.43	PK	Hor
4*	4895.5000	-48.87	-13.00	-35.87	PK	Hor
5*	7580.0000	-44.13	-13.00	-31.13	PK	Hor
6*	14314.0000	-40.87	-13.00	-27.87	PK	Hor



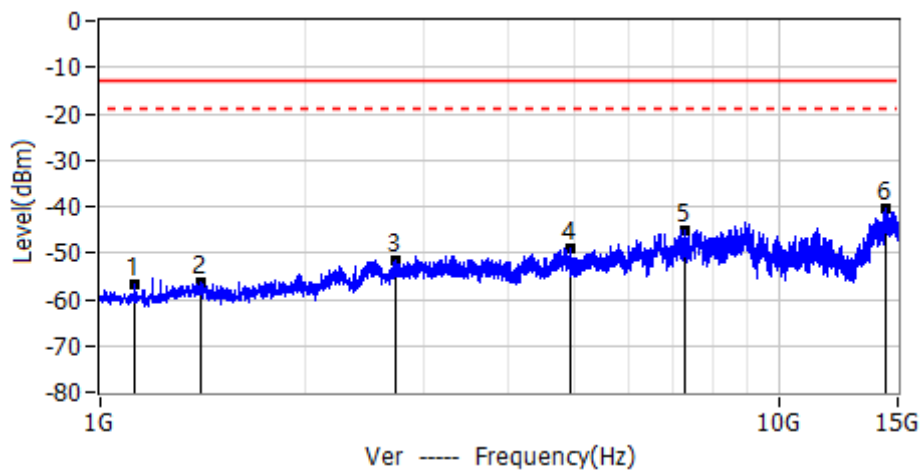
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1019.2000	-57.96	-13.00	-44.96	PK	Ver
2*	1390.2000	-55.27	-13.00	-42.27	PK	Ver
3*	2736.0000	-51.40	-13.00	-38.40	PK	Ver
4*	4657.5000	-48.88	-13.00	-35.88	PK	Ver
5*	7597.5000	-44.43	-13.00	-31.43	PK	Ver
6*	14812.7000	-40.35	-13.00	-27.35	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_DBPSK_CH13_1394.908	
Note: with remote antenna	



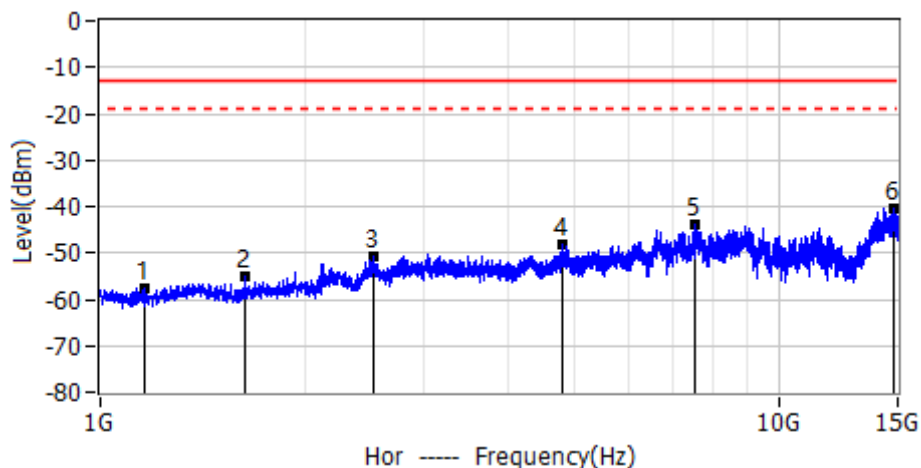
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1113.7000	-57.32	-13.00	-44.32	PK	Hor
2*	1493.5000	-56.08	-13.00	-43.08	PK	Hor
3*	2739.5000	-51.48	-13.00	-38.48	PK	Hor
4*	4886.7000	-48.35	-13.00	-35.35	PK	Hor
5*	7473.2000	-44.78	-13.00	-31.78	PK	Hor
6*	14398.0000	-40.43	-13.00	-27.43	PK	Hor



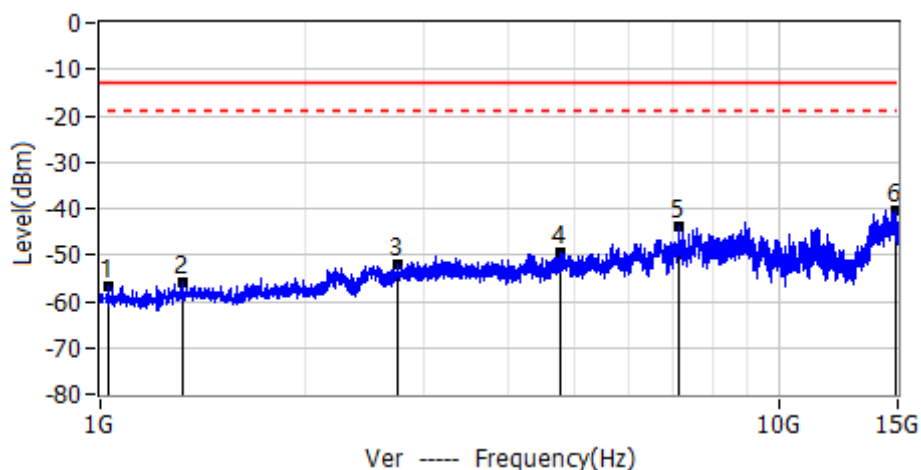
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1122.5000	-56.65	-13.00	-43.65	PK	Ver
2*	1402.5000	-56.46	-13.00	-43.46	PK	Ver
3*	2729.0000	-51.46	-13.00	-38.46	PK	Ver
4*	4918.2000	-48.90	-13.00	-35.90	PK	Ver
5*	7256.2000	-44.95	-13.00	-31.95	PK	Ver
6*	14405.0000	-40.34	-13.00	-27.34	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_DBPSK_CH18_1431.969	
Note: with remote antenna	



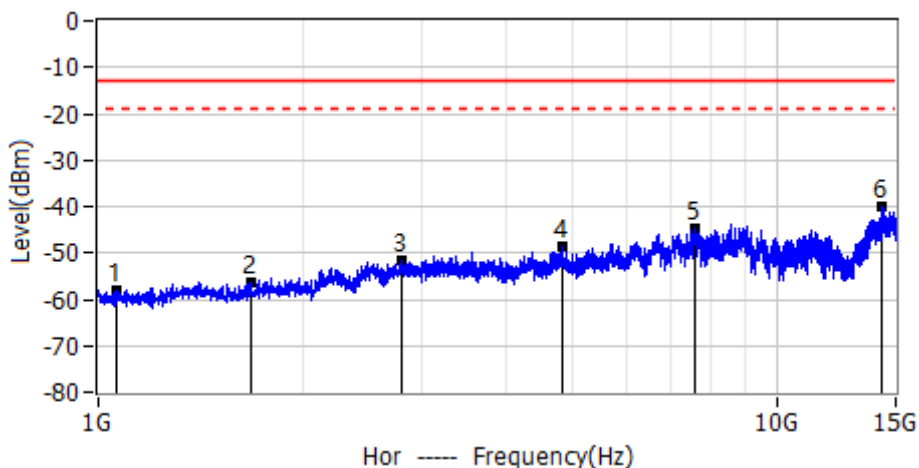
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1161.0000	-57.70	-13.00	-44.70	PK	Hor
2*	1637.0000	-55.05	-13.00	-42.05	PK	Hor
3*	2536.5000	-50.80	-13.00	-37.80	PK	Hor
4*	4788.7000	-48.12	-13.00	-35.12	PK	Hor
5*	7555.5000	-43.98	-13.00	-30.98	PK	Hor
6*	14833.7000	-40.44	-13.00	-27.44	PK	Hor



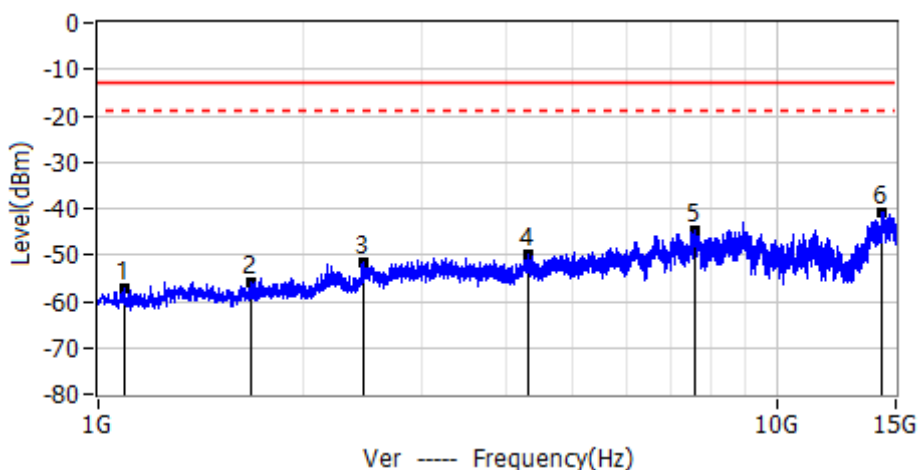
No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1029.7000	-56.79	-13.00	-43.79	PK	Ver
2*	1322.0000	-55.70	-13.00	-42.70	PK	Ver
3*	2746.5000	-52.15	-13.00	-39.15	PK	Ver
4*	4769.5000	-49.39	-13.00	-36.39	PK	Ver
5*	7142.5000	-44.07	-13.00	-31.07	PK	Ver
6*	14947.5000	-40.49	-13.00	-27.49	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_DBPSK_CH19_1433.697	
Note: with remote antenna	



No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1061.2000	-57.87	-13.00	-44.87	PK	Hor
2*	1680.7000	-56.44	-13.00	-43.44	PK	Hor
3*	2804.2000	-51.55	-13.00	-38.55	PK	Hor
4*	4832.5000	-48.59	-13.00	-35.59	PK	Hor
5*	7590.5000	-44.57	-13.00	-31.57	PK	Hor
6*	14321.0000	-39.95	-13.00	-26.95	PK	Hor



No.	Frequency MHz	Level dBm	Limit dBm	Margin dB	Detector	Polar
1*	1094.5000	-57.29	-13.00	-44.29	PK	Ver
2*	1684.2000	-55.72	-13.00	-42.72	PK	Ver
3*	2454.2000	-51.80	-13.00	-38.80	PK	Ver
4*	4316.2000	-49.78	-13.00	-36.78	PK	Ver
5*	7592.2000	-44.65	-13.00	-31.65	PK	Ver
6*	14333.2000	-40.73	-13.00	-27.73	PK	Ver



RADIATED SPURIOUS EMISSION AND FIELDSTRENGTH (PART 95)

Fundamental Fieldstrength

SH 1.0 WMTS WITH REMOTE ANTENNA

CH	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
1	1395.8977	70.47	29.97	100.44	117.40	-16.96	AV	Hor
1	1395.8977	77.52	29.97	107.49	117.40	-9.91	AV	Ver
4	1427.8979	75.77	30.04	105.81	117.40	-11.59	AV	Hor
4	1427.8979	77.12	30.04	107.16	117.40	-10.24	AV	Ver
6	1431.0965	77.78	30.05	107.83	117.40	-9.57	AV	Hor
6	1431.0965	77.78	30.05	107.83	117.40	-9.57	AV	Ver

SH 2.0 WMTS WITH REMOTE ANTENNA

D8PSK

CH	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
14	1396.636	76.51	29.98	106.49	117.40	-10.91	AV	Hor
14	1396.636	67.45	29.97	97.42	117.40	-19.98	AV	Ver
16	1428.513	69.39	30.04	99.43	117.40	-17.97	AV	Hor
16	1428.513	75.44	30.04	105.48	117.40	-11.92	AV	Ver
17	1430.241	71.40	30.05	101.45	117.40	-15.95	AV	Hor
17	1430.241	73.41	30.05	103.46	117.40	-13.94	AV	Ver

DBPSK

CH	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
14	1396.636	73.16	29.97	103.13	117.40	-14.27	AV	Hor
14	1396.636	70.46	29.98	100.44	117.40	-16.96	AV	Ver
16	1428.513	69.39	30.04	99.43	117.40	-17.97	AV	Hor
16	1428.513	78.13	30.04	108.17	117.40	-9.23	AV	Ver
17	1430.241	69.17	30.05	99.22	117.40	-18.18	AV	Hor
17	1430.241	77.11	30.05	107.16	117.40	-10.24	AV	Ver

SH 2.0 E-WMTS WITH REMOTE ANTENNA

D8PSK

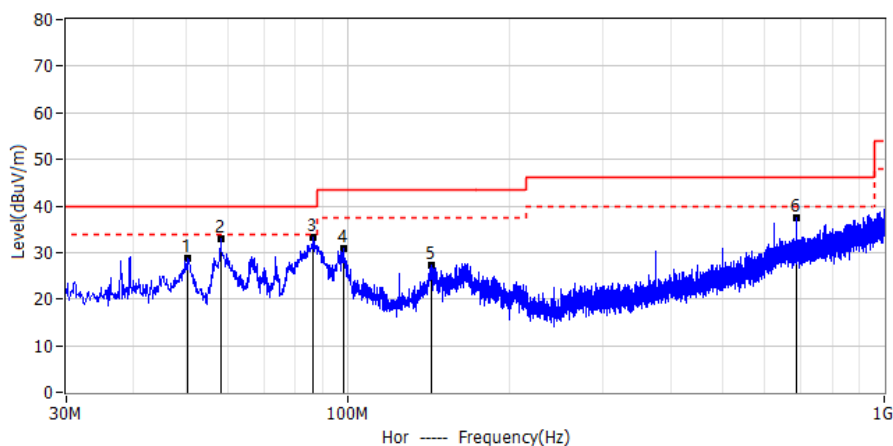
CH	Frequency MHz	Reading dBuV	Factor dB	Level dBuV	Limit dBuV	Margin dB	Detector	Polar
18	1431.969	75.43	30.05	105.48	117.40	-11.92	AV	Hor
18	1431.969	78.79	30.05	108.84	117.40	-8.56	AV	Ver

DBPSK

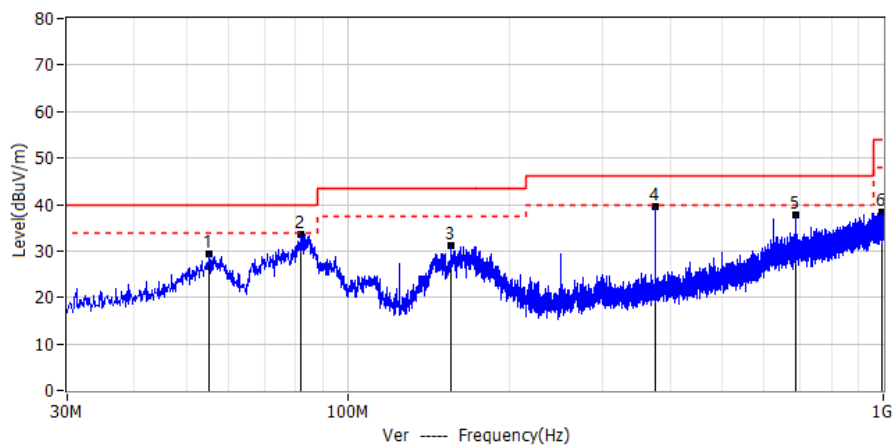
18	1431.969	72.07	30.05	102.12	117.40	-15.28	AV	Hor
18	1431.969	75.43	30.05	105.48	117.40	-11.92	AV	Ver



Project: LGT24C169	Test Engineer: xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 22.3°C
M/N: ITS867216A	Humidity: 44%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: TX 1.4GHz	
Note:	



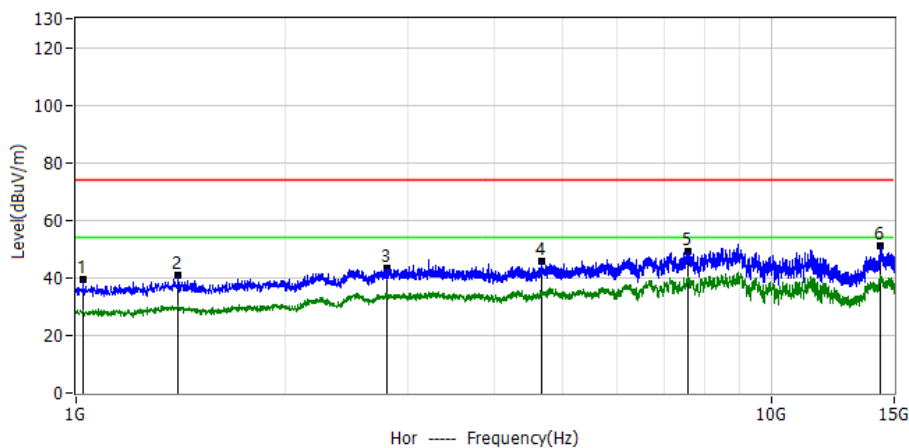
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	50.491	9.58	19.32	28.90	40.00	-11.10	PK	Hor
2*	58.251	14.30	18.77	33.07	40.00	-6.93	PK	Hor
3*	86.503	18.01	15.11	33.12	40.00	-6.88	PK	Hor
4*	98.385	15.19	15.53	30.72	43.50	-12.78	PK	Hor
5*	143.490	7.92	19.38	27.30	43.50	-16.20	PK	Hor
6*	687.539	7.65	29.69	37.34	46.00	-8.66	PK	Hor



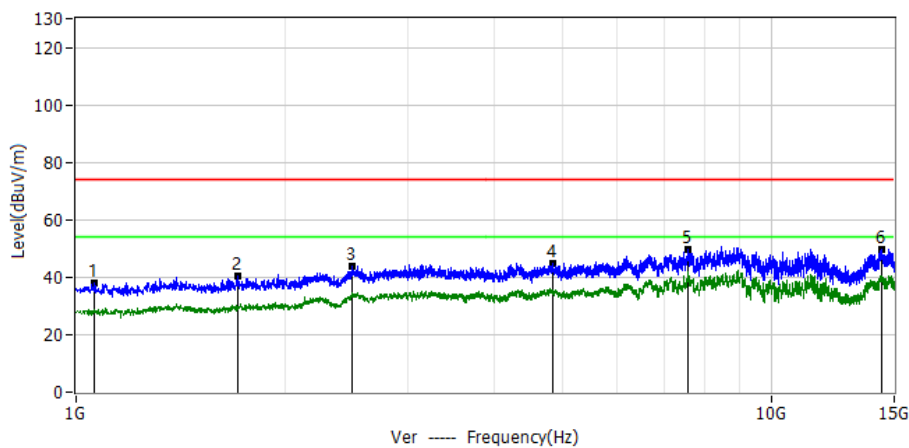
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	55.220	10.32	18.98	29.30	40.00	-10.70	QP	Ver
2*	81.774	18.35	15.18	33.53	40.00	-6.47	QP	Ver
3*	156.464	11.23	19.89	31.12	43.50	-12.38	QP	Ver
4*	374.956	17.47	22.07	39.54	46.00	-6.46	QP	Ver
5*	687.539	8.16	29.69	37.85	46.00	-8.15	QP	Ver
6*	991.270	3.77	34.53	38.30	54.00	-15.70	QP	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 1.0 WMTS_GFSK_CH1_1395.8977	
Note: with remote antenna	



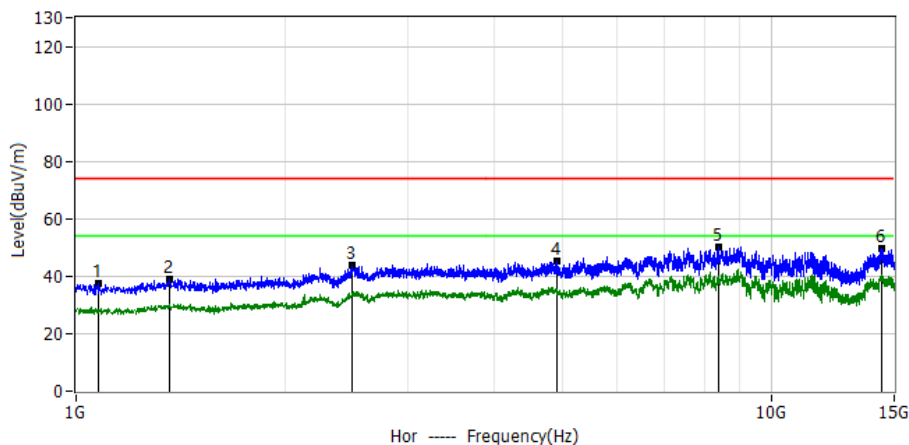
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1022.7000	63.72	-24.29	39.43	74.00	-34.57	PK	Hor
2*	1399.0000	62.97	-21.89	41.08	74.00	-32.92	PK	Hor
3*	2800.7000	54.23	-11.06	43.17	74.00	-30.83	PK	Hor
4*	4666.2000	54.05	-8.50	45.55	74.00	-28.45	PK	Hor
5*	7578.2000	55.55	-6.28	49.27	74.00	-24.73	PK	Hor
6*	14307.0000	50.51	0.40	50.91	74.00	-23.09	PK	Hor



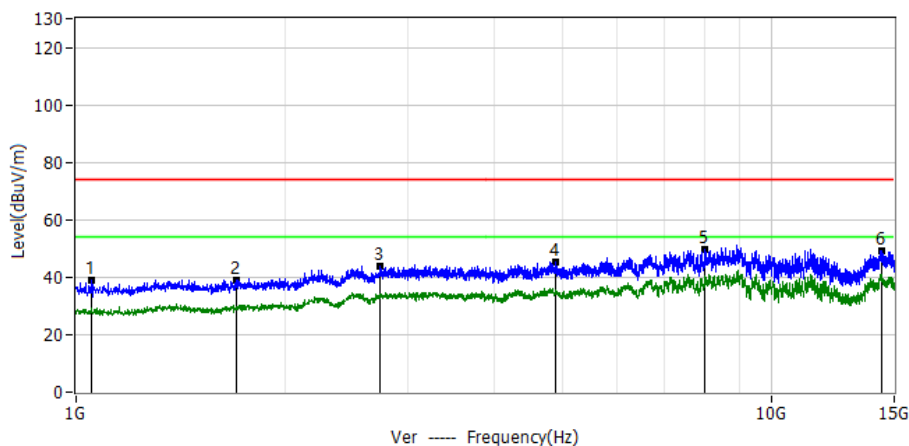
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1063.0000	61.85	-24.01	37.84	74.00	-36.16	PK	Ver
2*	1705.2000	60.51	-20.25	40.26	74.00	-33.74	PK	Ver
3*	2496.2000	56.39	-12.45	43.94	74.00	-30.06	PK	Ver
4*	4839.5000	53.47	-8.50	44.97	74.00	-29.03	PK	Ver
5*	7590.5000	55.78	-6.29	49.49	74.00	-24.51	PK	Ver
6*	14391.0000	49.24	0.41	49.65	74.00	-24.35	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 1.0 WMTS GFSK CH4 1427.8979	
Note: with remote antenna	



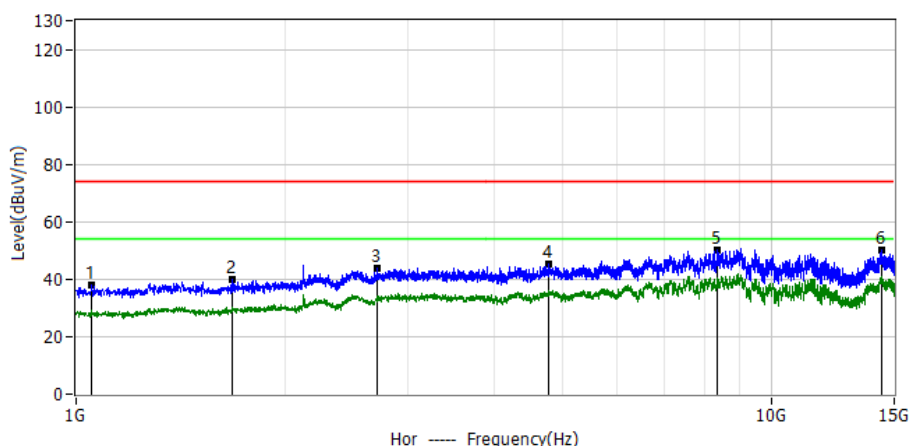
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1075.2000	61.28	-23.93	37.35	74.00	-36.65	PK	Hor
2*	1364.0000	61.21	-22.10	39.11	74.00	-34.89	PK	Hor
3*	2496.2000	56.10	-12.45	43.65	74.00	-30.35	PK	Hor
4*	4900.7000	53.63	-8.50	45.13	74.00	-28.87	PK	Hor
5*	8372.7000	55.95	-5.59	50.36	74.00	-23.64	PK	Hor
6*	14401.5000	49.35	0.41	49.76	74.00	-24.24	PK	Hor



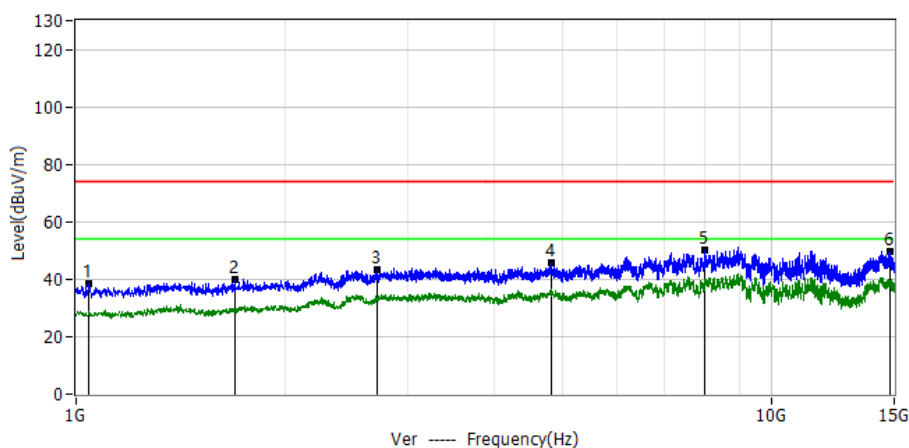
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1050.7000	63.24	-24.10	39.14	74.00	-34.86	PK	Ver
2*	1701.7000	59.46	-20.27	39.19	74.00	-34.81	PK	Ver
3*	2734.2000	55.22	-11.36	43.86	74.00	-30.14	PK	Ver
4*	4885.0000	53.57	-8.50	45.07	74.00	-28.93	PK	Ver
5*	8022.7000	56.03	-6.44	49.59	74.00	-24.41	PK	Ver
6*	14366.5000	48.75	0.40	49.15	74.00	-24.85	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 1.0 WMTS_GFSK_CH6_1431.0965	
Note: with remote antenna	



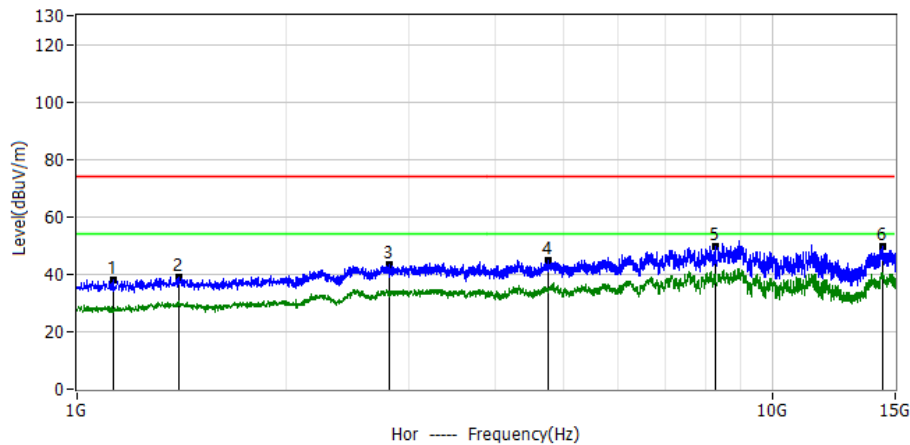
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1052.5000	62.09	-24.09	38.00	74.00	-36.00	PK	Hor
2*	1677.2000	60.37	-20.46	39.91	74.00	-34.09	PK	Hor
3*	2706.2000	55.36	-11.48	43.88	74.00	-30.12	PK	Hor
4*	4778.2000	53.76	-8.50	45.26	74.00	-28.74	PK	Hor
5*	8357.0000	55.86	-5.63	50.23	74.00	-23.77	PK	Hor
6*	14377.0000	49.54	0.40	49.94	74.00	-24.06	PK	Hor



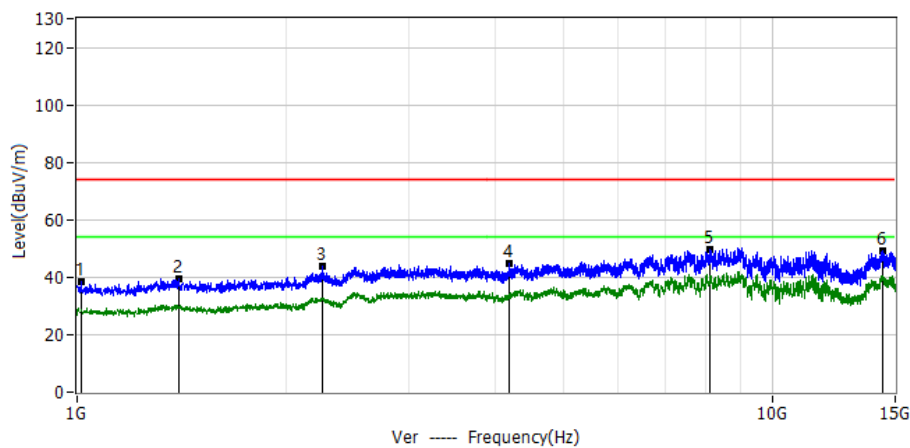
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1043.7000	62.64	-24.15	38.49	74.00	-35.51	PK	Ver
2*	1689.5000	60.12	-20.37	39.75	74.00	-34.25	PK	Ver
3*	2711.5000	54.62	-11.46	43.16	74.00	-30.84	PK	Ver
4*	4830.7000	54.07	-8.50	45.57	74.00	-28.43	PK	Ver
5*	8026.2000	56.41	-6.44	49.97	74.00	-24.03	PK	Ver
6*	14811.0000	49.26	0.44	49.70	74.00	-24.30	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS D8PSK CH14 1396.636	
Note: with remote antenna	



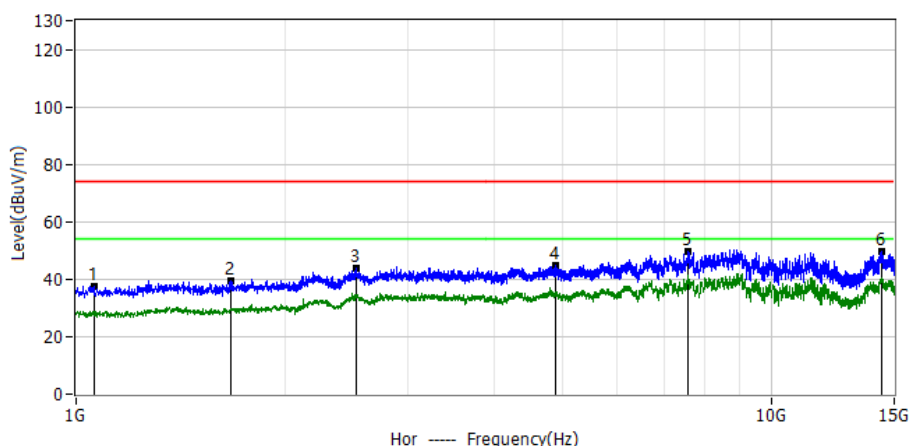
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1126.0000	61.57	-23.58	37.99	74.00	-36.01	PK	Hor
2*	1399.0000	60.90	-21.89	39.01	74.00	-34.99	PK	Hor
3*	2804.2000	54.60	-11.04	43.56	74.00	-30.44	PK	Hor
4*	4760.7000	53.25	-8.50	44.75	74.00	-29.25	PK	Hor
5*	8267.7000	55.49	-5.85	49.64	74.00	-24.36	PK	Hor
6*	14417.2000	49.06	0.41	49.47	74.00	-24.53	PK	Hor



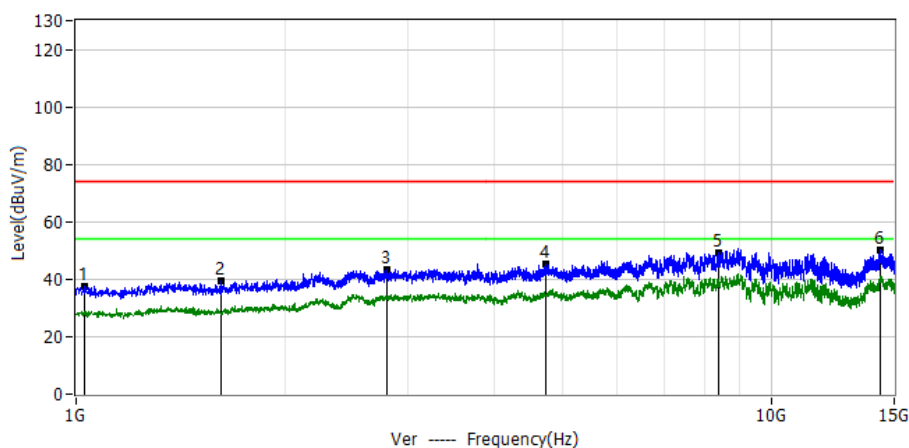
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1012.2000	63.00	-24.37	38.63	74.00	-35.37	PK	Ver
2*	1400.7000	61.52	-21.89	39.63	74.00	-34.37	PK	Ver
3*	2256.5000	58.69	-15.05	43.64	74.00	-30.36	PK	Ver
4*	4183.2000	53.28	-8.70	44.58	74.00	-29.42	PK	Ver
5*	8129.5000	55.61	-6.19	49.42	74.00	-24.58	PK	Ver
6*	14403.2000	48.69	0.41	49.10	74.00	-24.90	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS D8PSK CH16 1428.513	
Note: with remote antenna	



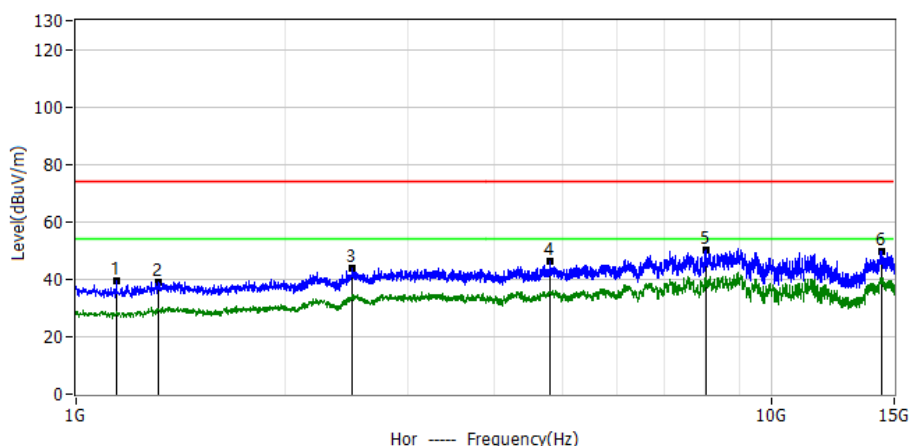
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1061.2000	61.74	-24.03	37.71	74.00	-36.29	PK	Hor
2*	1665.0000	59.86	-20.56	39.30	74.00	-34.70	PK	Hor
3*	2524.2000	56.00	-12.30	43.70	74.00	-30.30	PK	Hor
4*	4890.2000	53.37	-8.50	44.87	74.00	-29.13	PK	Hor
5*	7578.2000	56.01	-6.28	49.73	74.00	-24.27	PK	Hor
6*	14410.2000	49.06	0.41	49.47	74.00	-24.53	PK	Hor



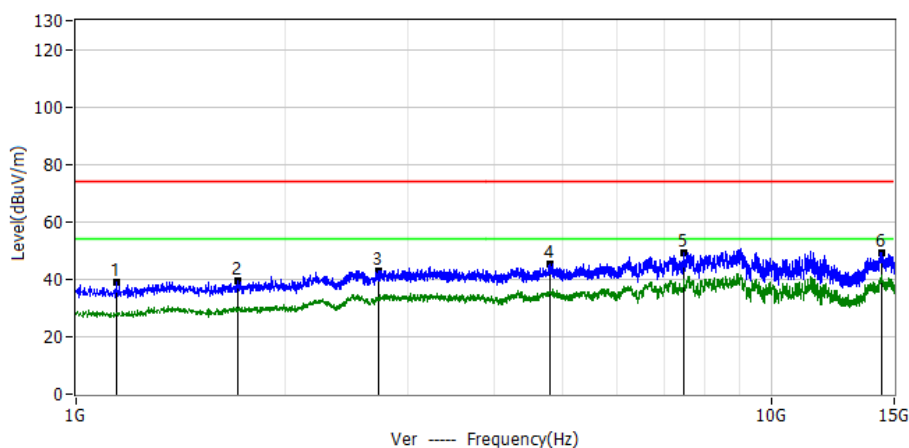
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1026.2000	61.75	-24.27	37.48	74.00	-36.52	PK	Ver
2*	1612.5000	60.41	-20.97	39.44	74.00	-34.56	PK	Ver
3*	2797.2000	54.48	-11.08	43.40	74.00	-30.60	PK	Ver
4*	4738.0000	53.96	-8.50	45.46	74.00	-28.54	PK	Ver
5*	8374.5000	54.75	-5.59	49.16	74.00	-24.84	PK	Ver
6*	14300.0000	49.63	0.40	50.03	74.00	-23.97	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS D8PSK CH17_1430.241	
Note: with remote antenna	



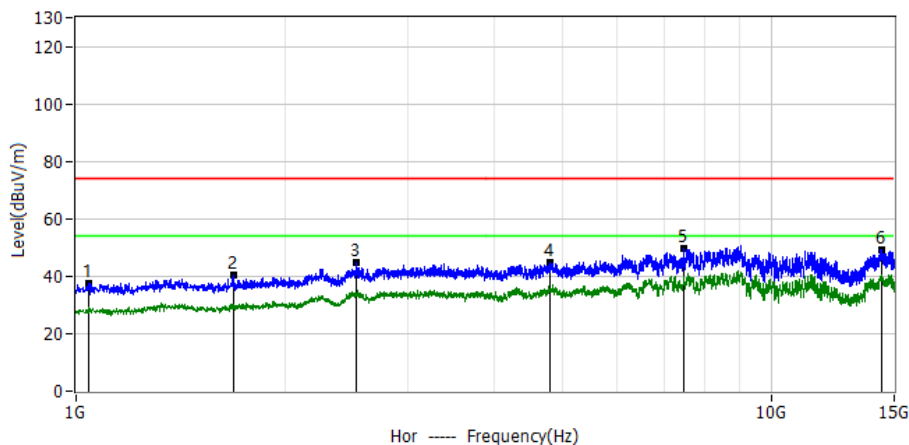
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1143.5000	63.03	-23.46	39.57	74.00	-34.43	PK	Hor
2*	1313.2000	61.48	-22.40	39.08	74.00	-34.92	PK	Hor
3*	2492.7000	56.39	-12.49	43.90	74.00	-30.10	PK	Hor
4*	4797.5000	54.84	-8.50	46.34	74.00	-27.66	PK	Hor
5*	8035.0000	56.40	-6.41	49.99	74.00	-24.01	PK	Hor
6*	14399.7000	49.14	0.41	49.55	74.00	-24.45	PK	Hor



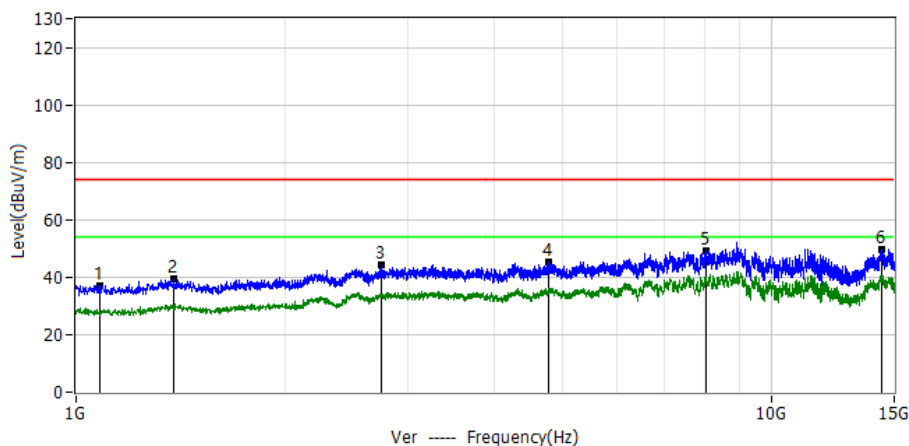
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1*	1141.7000	62.65	-23.47	39.18	74.00	-34.82	PK	Ver
2*	1710.5000	59.61	-20.20	39.41	74.00	-34.59	PK	Ver
3*	2723.7000	54.29	-11.40	42.89	74.00	-31.11	PK	Ver
4*	4808.0000	53.86	-8.50	45.36	74.00	-28.64	PK	Ver
5*	7476.7000	55.55	-6.28	49.27	74.00	-24.73	PK	Ver
6*	14357.7000	48.88	0.40	49.28	74.00	-24.72	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS DBPSK_CH14_1396.636	
Note: with remote antenna	



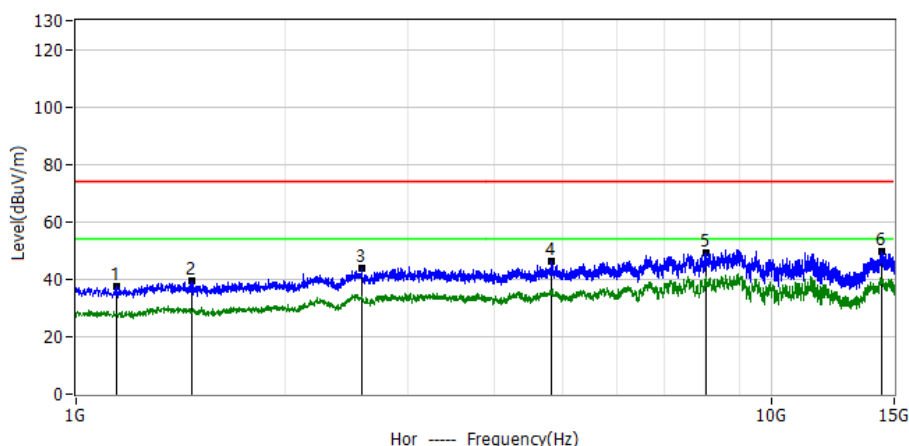
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1040.2000	61.52	-24.17	37.35	74.00	-36.65	PK	Hor
2*	1680.7000	60.74	-20.44	40.30	74.00	-33.70	PK	Hor
3*	2533.0000	56.86	-12.26	44.60	74.00	-29.40	PK	Hor
4*	4788.7000	53.06	-8.50	44.56	74.00	-29.44	PK	Hor
5*	7476.7000	55.75	-6.28	49.47	74.00	-24.53	PK	Hor
6*	14422.5000	48.82	0.41	49.23	74.00	-24.77	PK	Hor



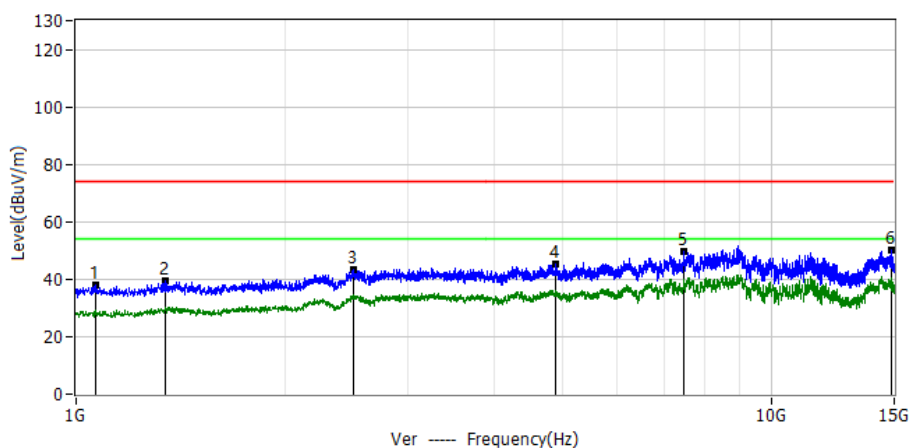
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1*	1084.0000	61.09	-23.87	37.22	74.00	-36.78	PK	Ver
2*	1381.5000	61.25	-22.00	39.25	74.00	-34.75	PK	Ver
3*	2741.2000	55.54	-11.33	44.21	74.00	-29.79	PK	Ver
4*	4781.7000	53.75	-8.50	45.25	74.00	-28.75	PK	Ver
5*	8029.7000	55.68	-6.43	49.25	74.00	-24.75	PK	Ver
6*	14422.5000	49.44	0.41	49.85	74.00	-24.15	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS DBPSK_CH16_1428.513	
Note: with remote antenna	



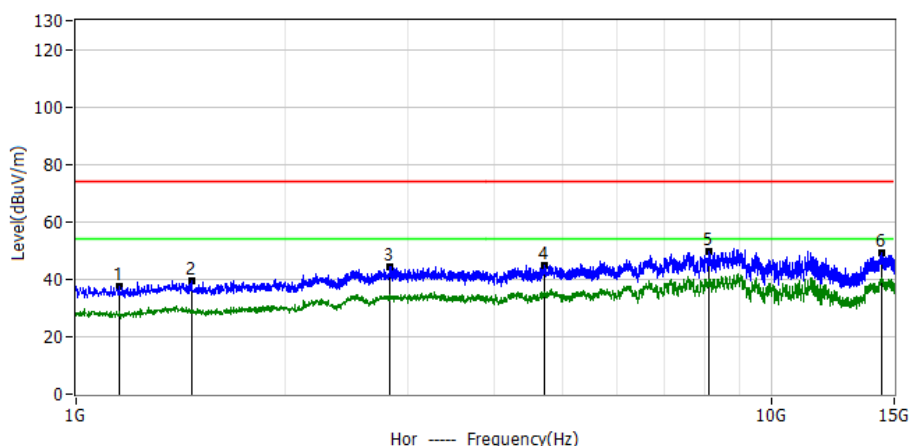
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1*	1141.7000	61.01	-23.47	37.54	74.00	-36.46	PK	Hor
2*	1469.0000	60.97	-21.65	39.32	74.00	-34.68	PK	Hor
3*	2576.7000	55.75	-12.06	43.69	74.00	-30.31	PK	Hor
4*	4825.5000	54.79	-8.50	46.29	74.00	-27.71	PK	Hor
5*	8038.5000	55.56	-6.41	49.15	74.00	-24.85	PK	Hor
6*	14412.0000	49.10	0.41	49.51	74.00	-24.49	PK	Hor



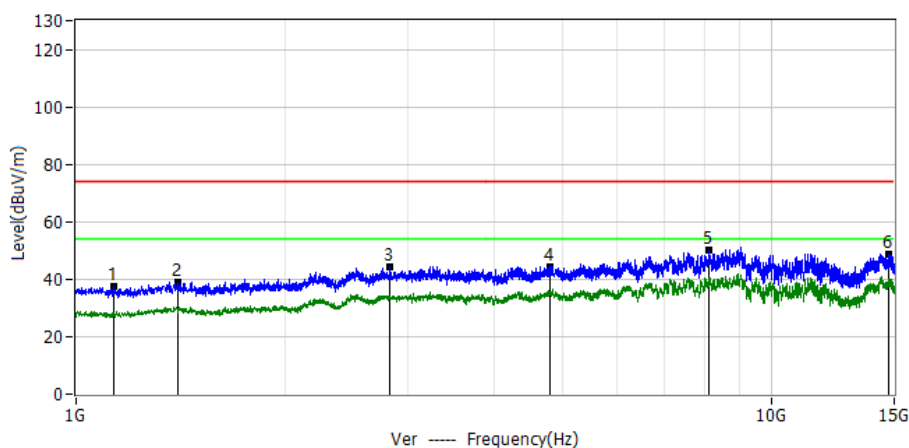
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1*	1064.7000	61.93	-24.00	37.93	74.00	-36.07	PK	Ver
2*	1341.2000	61.53	-22.23	39.30	74.00	-34.70	PK	Ver
3*	2503.2000	55.95	-12.39	43.56	74.00	-30.44	PK	Ver
4*	4881.5000	53.64	-8.50	45.14	74.00	-28.86	PK	Ver
5*	7483.7000	55.90	-6.27	49.63	74.00	-24.37	PK	Ver
6*	14832.0000	49.67	0.44	50.11	74.00	-23.89	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 WMTS DBPSK_CH17_1430.241	
Note: with remote antenna	



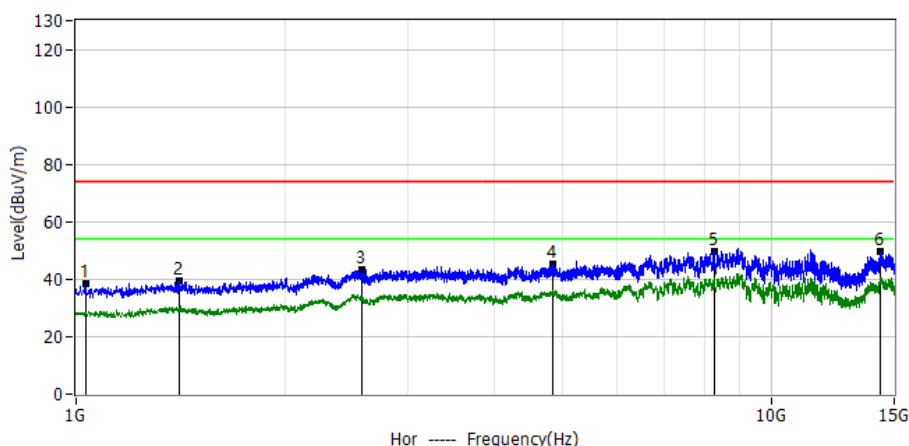
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1152.2000	60.81	-23.40	37.41	74.00	-36.59	PK	Hor
2*	1463.7000	61.10	-21.67	39.43	74.00	-34.57	PK	Hor
3*	2820.0000	55.06	-10.97	44.09	74.00	-29.91	PK	Hor
4*	4715.2000	53.44	-8.50	44.94	74.00	-29.06	PK	Hor
5*	8127.7000	55.75	-6.19	49.56	74.00	-24.44	PK	Hor
6*	14364.7000	48.85	0.40	49.25	74.00	-24.75	PK	Hor



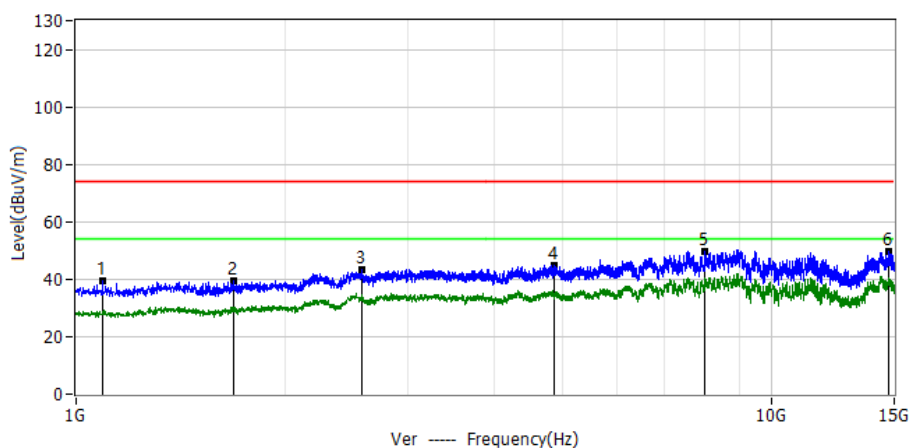
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1134.7000	60.86	-23.52	37.34	74.00	-36.66	PK	Ver
2*	1400.7000	60.97	-21.89	39.08	74.00	-34.92	PK	Ver
3*	2823.5000	55.39	-10.96	44.43	74.00	-29.57	PK	Ver
4*	4788.7000	53.05	-8.50	44.55	74.00	-29.45	PK	Ver
5*	8133.0000	56.48	-6.18	50.30	74.00	-23.70	PK	Ver
6*	14702.5000	48.46	0.43	48.89	74.00	-25.11	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_D8PSK_CH18_1431.969	
Note: with remote antenna	



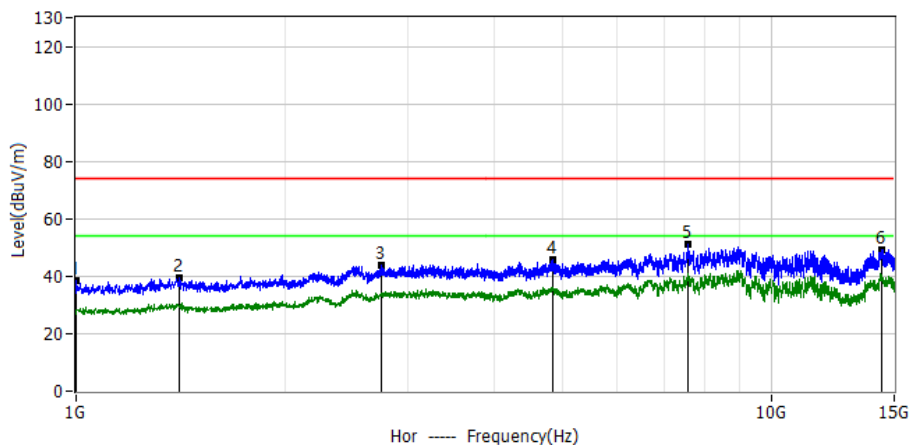
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1031.5000	62.50	-24.23	38.27	74.00	-35.73	PK	Hor
2*	1409.5000	61.36	-21.86	39.50	74.00	-34.50	PK	Hor
3*	2580.2000	55.25	-12.05	43.20	74.00	-30.80	PK	Hor
4*	4848.2000	53.75	-8.50	45.25	74.00	-28.75	PK	Hor
5*	8253.7000	55.58	-5.88	49.70	74.00	-24.30	PK	Hor
6*	14319.2000	49.04	0.40	49.44	74.00	-24.56	PK	Hor



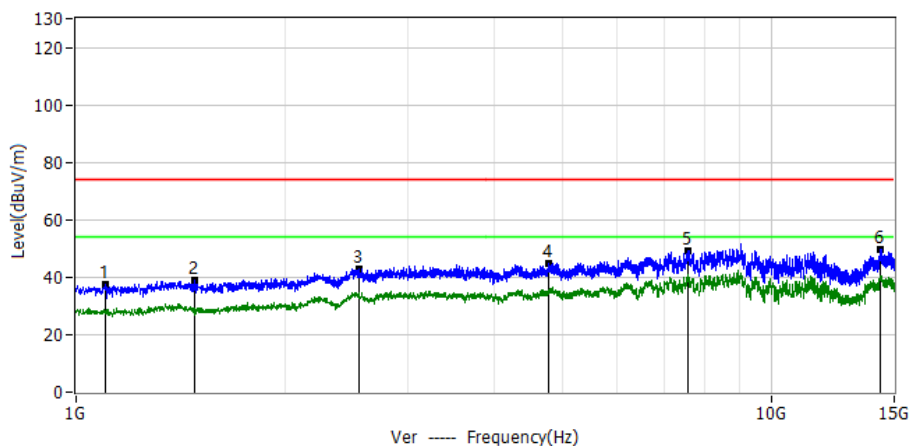
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1*	1091.0000	63.22	-23.82	39.40	74.00	-34.60	PK	Ver
2*	1687.7000	59.59	-20.38	39.21	74.00	-34.79	PK	Ver
3*	2576.7000	55.53	-12.06	43.47	74.00	-30.53	PK	Ver
4*	4869.2000	53.43	-8.50	44.93	74.00	-29.07	PK	Ver
5*	8021.0000	56.01	-6.45	49.56	74.00	-24.44	PK	Ver
6*	14716.5000	49.01	0.43	49.44	74.00	-24.56	PK	Ver



Project: LGT24C169	Test Engineer: Xiangdong Ma
EUT: Philips Smart-hopping 2.0 Access Point 1.4GHz	Temperature: 25°C
M/N: ITS867216A	Humidity: 50%RH
Test Voltage: AC 120V/60Hz	Test Data: 2024-04-20
Test Mode: SH 2.0 E-WMTS_DBPSK_CH18_1431.969	
Note: with remote antenna	



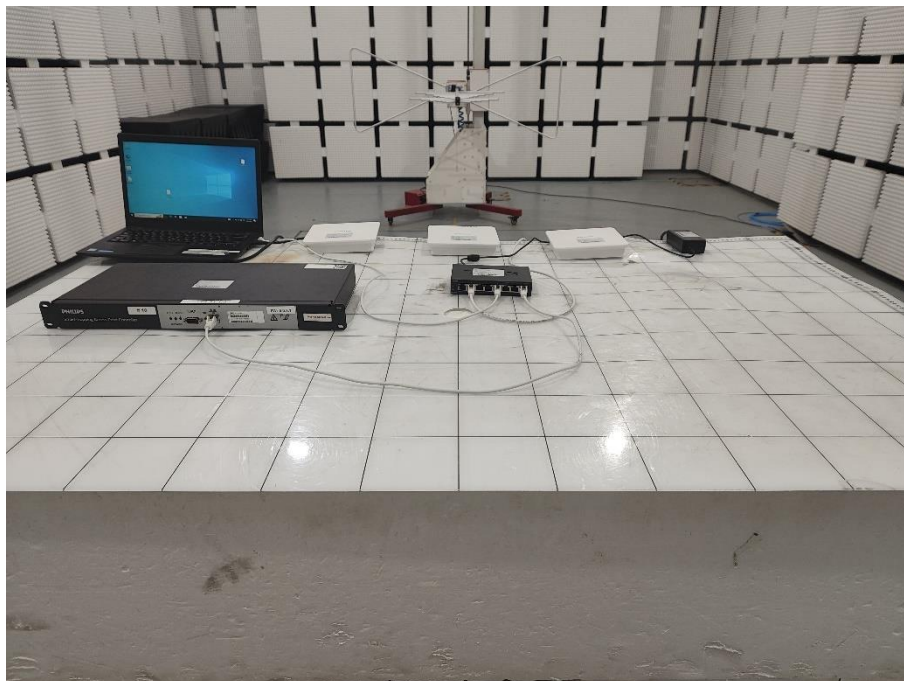
No.	Frequency MHz	Reading dBuV	Factor dB/m	Level dBuV/m	Limit dBuV/m	Margin dB	Detector	Polar
1*	1001.7000	63.00	-24.44	38.56	74.00	-35.44	PK	Hor
2*	1409.5000	61.26	-21.86	39.40	74.00	-34.60	PK	Hor
3*	2741.2000	55.33	-11.33	44.00	74.00	-30.00	PK	Hor
4*	4851.7000	54.19	-8.50	45.69	74.00	-28.31	PK	Hor
5*	7590.5000	57.38	-6.29	51.09	74.00	-22.91	PK	Hor
6*	14382.2000	48.75	0.40	49.15	74.00	-24.85	PK	Hor



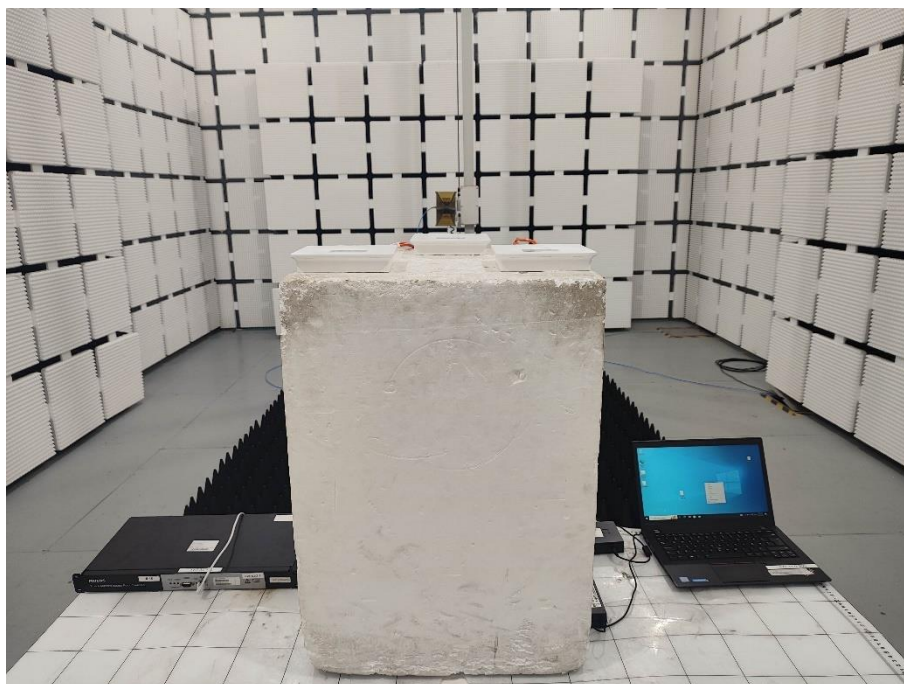
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1*	1103.2000	61.03	-23.74	37.29	74.00	-36.71	PK	Ver
2*	1477.7000	60.38	-21.62	38.76	74.00	-35.24	PK	Ver
3*	2545.2000	55.21	-12.20	43.01	74.00	-30.99	PK	Ver
4*	4778.2000	53.40	-8.50	44.90	74.00	-29.10	PK	Ver
5*	7567.7000	55.46	-6.27	49.19	74.00	-24.81	PK	Ver
6*	14324.5000	49.36	0.40	49.76	74.00	-24.24	PK	Ver

APPENDIX II - TEST SETUP PHOTOS

Radiated Spurious Emission Test Setup Photo - Below 1GHz



Radiated Spurious Emission Test Setup Photo - Above 1GHz





Conducted Emission Test Setup Photo



※※※※※END OF THE REPORT※※※※※