

NCC Radio Test Report

Equipment : Mini-PCI Module
Brand Name : Ubiquiti Inc.
Model Name : XTREME Range 5
Applicant : 德商西門子交通運輸股份有限公司台灣分公司
台北市內湖區洲子街 65 號 9 樓
Manufacturer : 香港商優比快科技有限公司台灣分公司
台北市信義區松仁路 107 號 12 樓
Standard : LP0002 Section 5.7 (2020-07-01)

The product was received on Oct. 21, 2020, and testing was started from Nov. 06, 2020 and completed on May 10, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)

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[illegible]

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	5.7.8	Antenna Requirement	PASS	-
3.1	3.3	AC Power-line Conducted Emissions	PASS	-
3.2	5.7.3	Emission Bandwidth	PASS	-
3.3	5.7.3	Maximum Conducted Output Power	PASS	-
3.4	5.7.3	Peak Power Spectral Density	PASS	-
3.5	5.7.4	Unwanted Emissions	PASS	-
3.6	3.9	Receiver Radiated Unwanted Emissions	PASS	-
3.7	6.20	Maximum Permissible Exposure	PASS	-

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Amber Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5725-5850	a	5765, 5805	153, 161 [2]

Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11a	20	1TX

Note:

- ♦ 11a use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	SENCITY® Spot-S WiFi Antenna	1356.17.0077	Panel antenna	MMCX	14.9

Note 1: The EUT has one antenna.

For 5GHz function:

For IEEE 802.11 a mode (1TX/1RX)

Ant. 1 could transmit/receive .

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From Host system		
EUT Function	☐ Outdoor AP	☐ Indoor AP	
	☐ Fixed P2P AP	☒ Indoor Client	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11a	0.999	0.01	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied Standards

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

- ♦ LP0002 (2020-07-01)
- ♦ ANSI C63.10-2013
- ♦ KDB 789033 D02 v02r01
- ♦ ANSI C63.4-2014

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

- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	22.5~24.3°C / 56~59%	26/Nov/2020
RF Conducted	TH01-HY	Barry Hsiao	22.1~22.4°C / 58~62%	26/Nov/2020
Radiated	03CH02-HY	Lego Lin	22.1~24.9°C / 57~60%	06/Nov/2020~10/May/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Revision 5.3 BUILD #22
------------------------------	------------------------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5765MHz	10.5
5805MHz	11

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 110Vac / 60Hz
Operating Mode	CTX/CRX
1	Test Fixture Mode ; WIFI 5G TX
2	Test Fixture Mode ; WIFI 5G RX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions Receiver Radiated Spurious Emissions
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	CTX/CRX
1	Test Fixture Mode
Operating Mode > 1GHz	CTX/CRX
Orthogonal Planes of EUT	Z Plane
	
Worst Planes of EUT	V

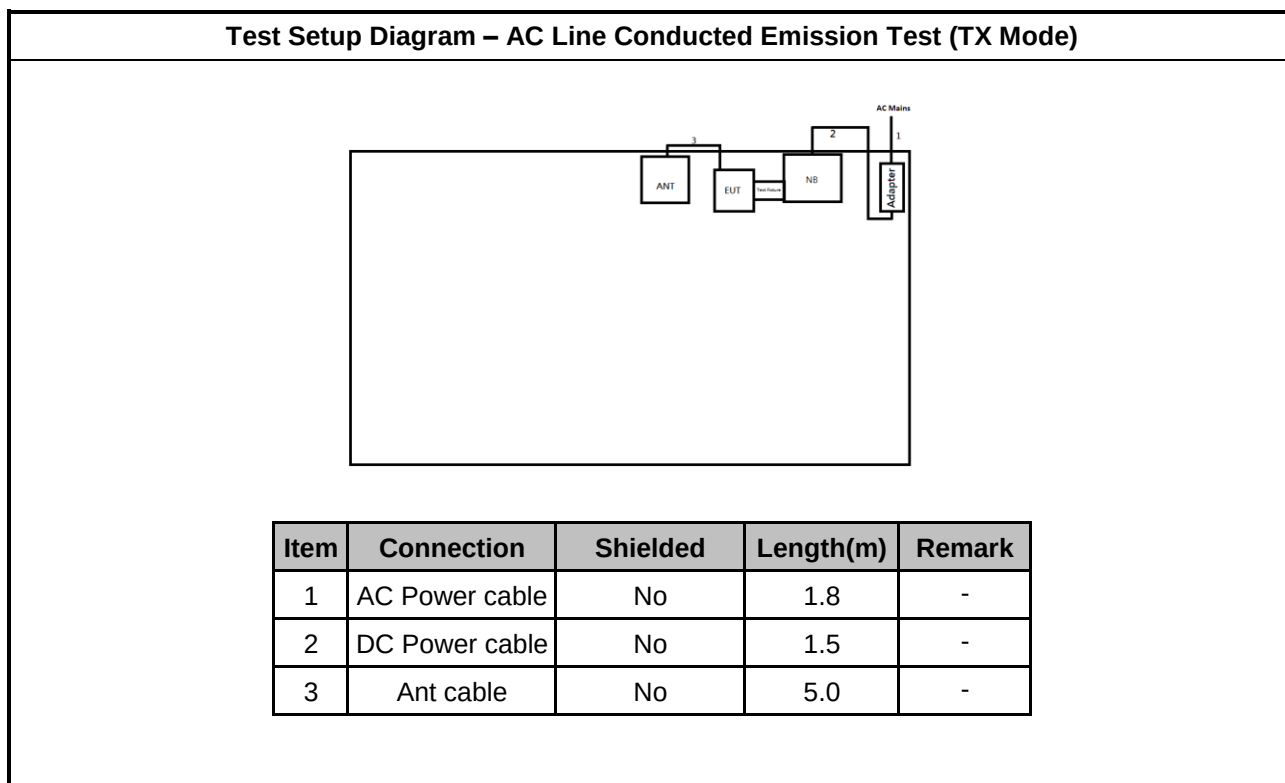
2.3 Support Equipment

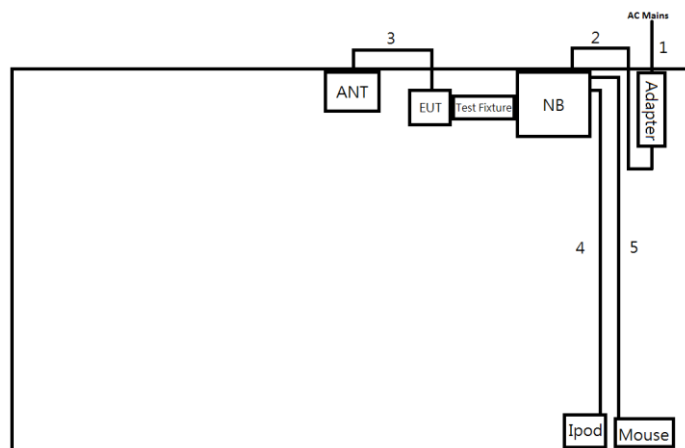
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	PP04X	-	Provided by Customer
2	Adapter for Notebook	Dell	LA90PS1-00	-	-
3	Mouse	lenovo	MOGOUO	-	-
4	Ipod	Apple	A1199	-	-
5	30-pin to USB Original Cable	Apple	MA591G/C	-	-
6	Test fixture	ChiaHsi	Cardbus to MininPCI Card	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	D820	-	Provided by Customer
2	Adapter for NB	DELL	HA65NM130	-	-
3	Test fixture	ChiaHsi	Cardbus to MininPCI Card	-	Provided by Customer

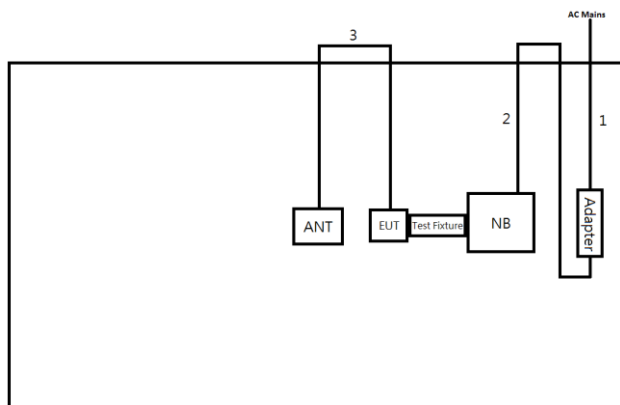
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	PP04X	-	Provided by Customer
2	Adapter for Notebook	Dell	LA90PS1-00	-	-
3	Mouse	lenovo	MOGOUO	-	-
4	Ipod	Apple	A1199	-	-
5	30-pin to USB Original Cable	Apple	MA591G/C	-	-
6	Test fixture	ChiaHsi	Cardbus to MininPCI Card	-	Provided by Customer

2.4 Test Setup Diagram



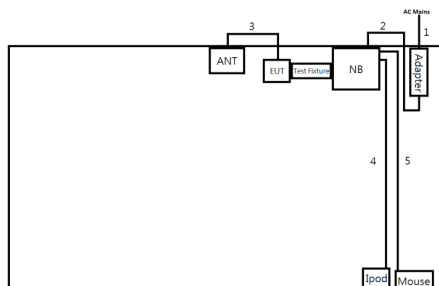
Test Setup Diagram – AC Line Conducted Emission Test (RX Mode)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Ant cable	No	5.0	-
4	30-pin to USB Original Cable	No	1.0	-
5	USB cable	No	1.5	-

Test Setup Diagram - Radiated Test (TX Mode)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Ant cable	No	5.0	-

Test Setup Diagram - Radiated Test (RX Mode)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	Ant cable	No	5.0	-
4	30-pin to USB Original Cable	No	1.0	-
5	USB cable	No	1.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

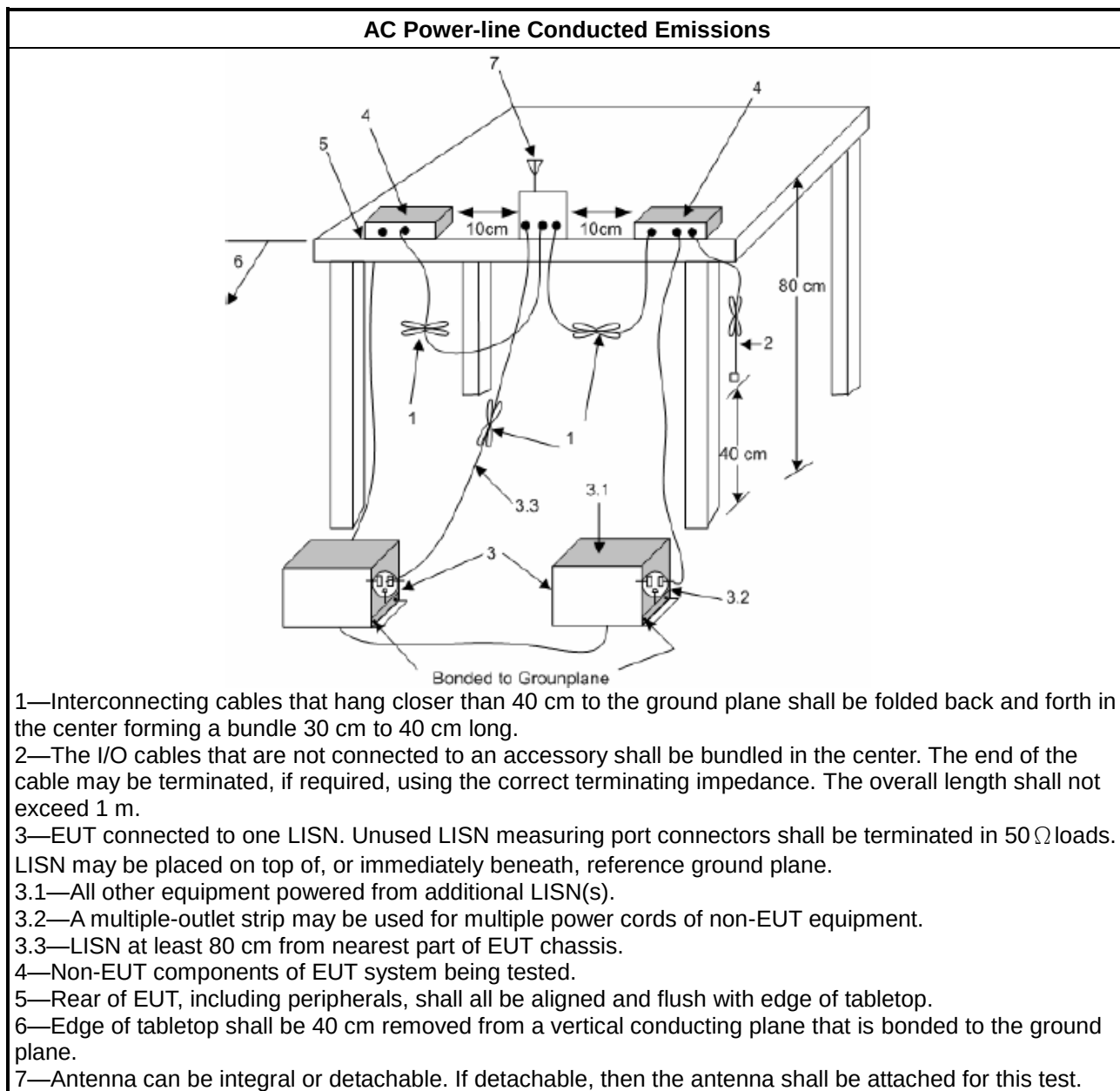
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, N/A
☐	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

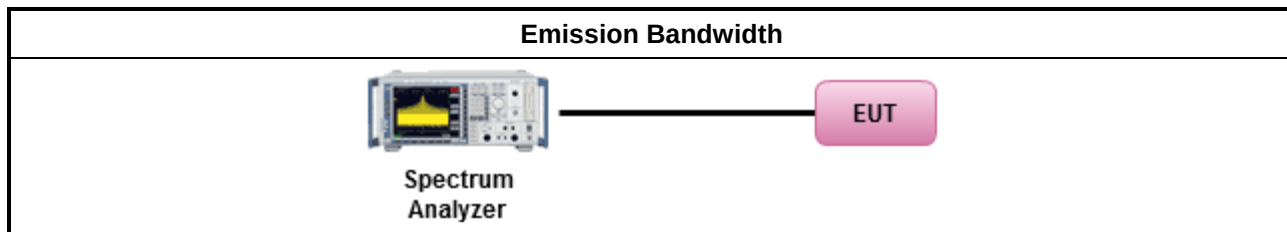
3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

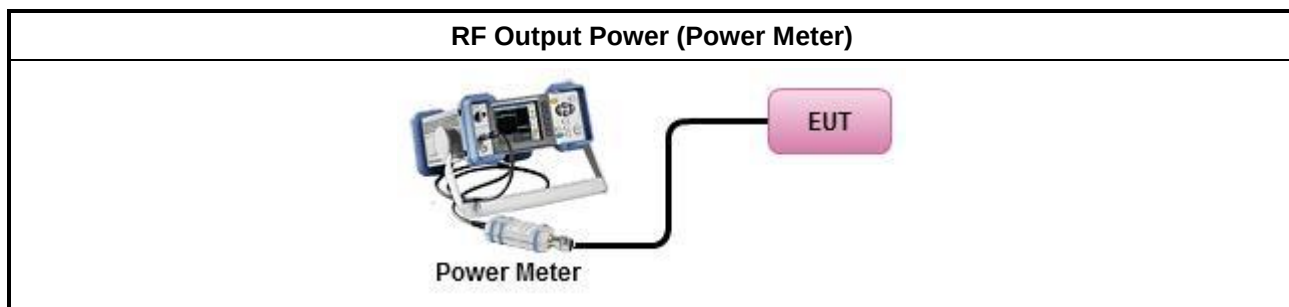
3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
☒	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

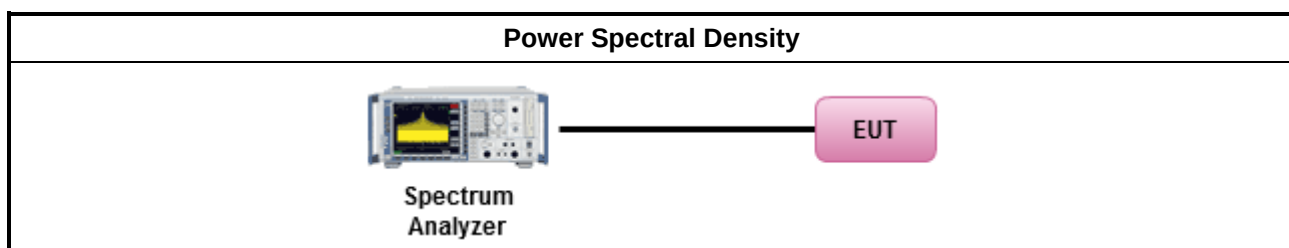
3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☐ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

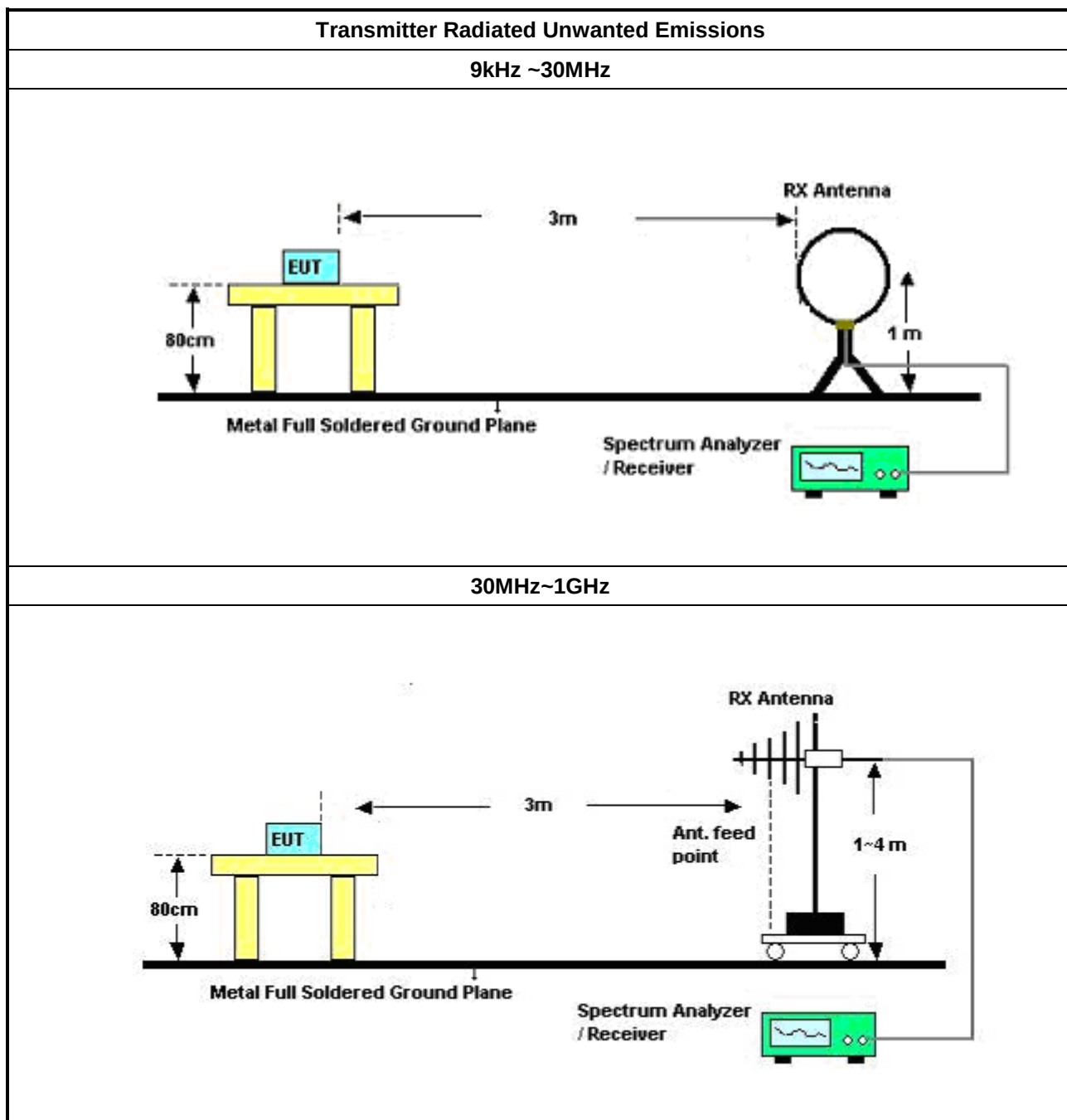
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

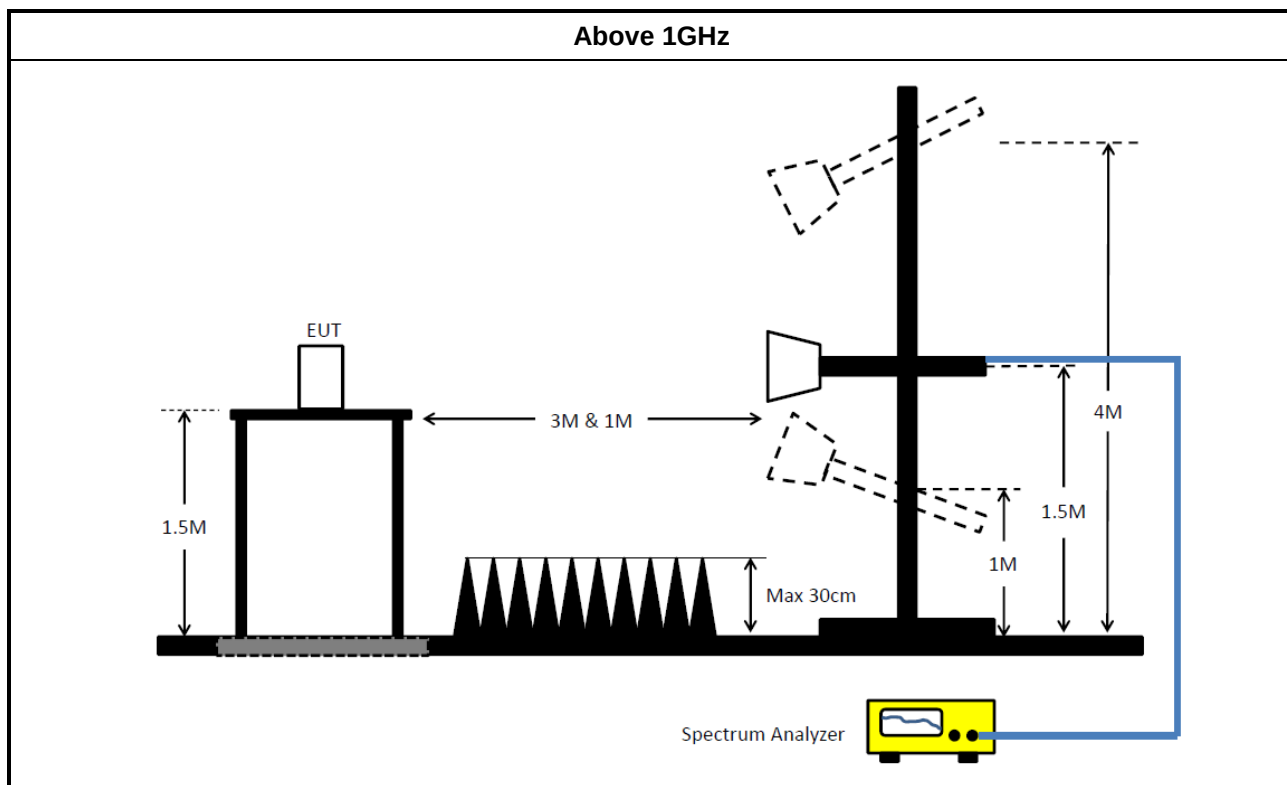
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Receiver Radiated Spurious Emissions

3.6.1 Receiver in Radiated Spurious Emissions Limit

Restricted Spurious Emissions Limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

3.6.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

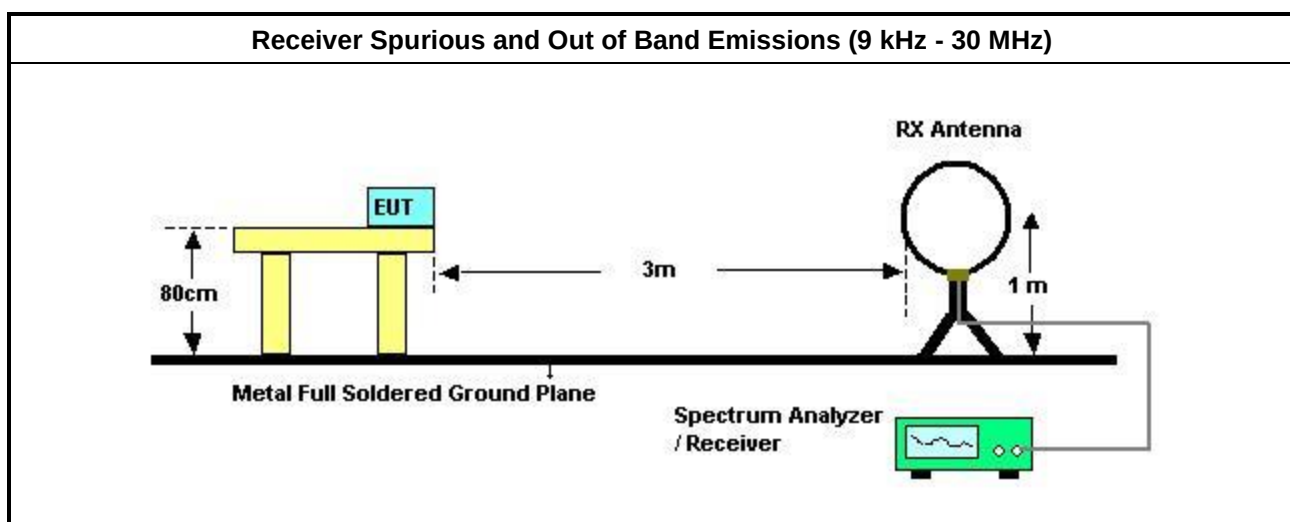
Test Method	
☒	The search for spurious emissions shall be from the lowest frequency internally generated or used in the receiver (e.g. local oscillator, intermediate or carrier frequency), or 30 MHz, whichever is higher, to at least 3 times the highest tuneable or local oscillator frequency, whichever is higher, without exceeding 40 GHz.
☒	Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
☒	For radiated measurement, refer as ANSI C63.4, clause 8.3.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from below 30 MHz.
☒	Refer as ANSI C63.4, clause 8.3.1.1 and 8.3.2.1 for radiated emissions from 30 MHz-1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the QP-Limit so that the QP level does not need to be reported in addition.
☒	Refer as ANSI C63.4, clause 8.3.1.2 and 8.3.2.2 for radiated emissions from above 1 GHz. For the peak measurement is fully sufficient, as the max field strength as measured with the Peak-Detector meets the AV-Limit so that the AV level does not need to be reported in addition.
☒	All amplitude of spurious emissions that are attenuated by more than 30 dB below the permissible value has no need to be reported.

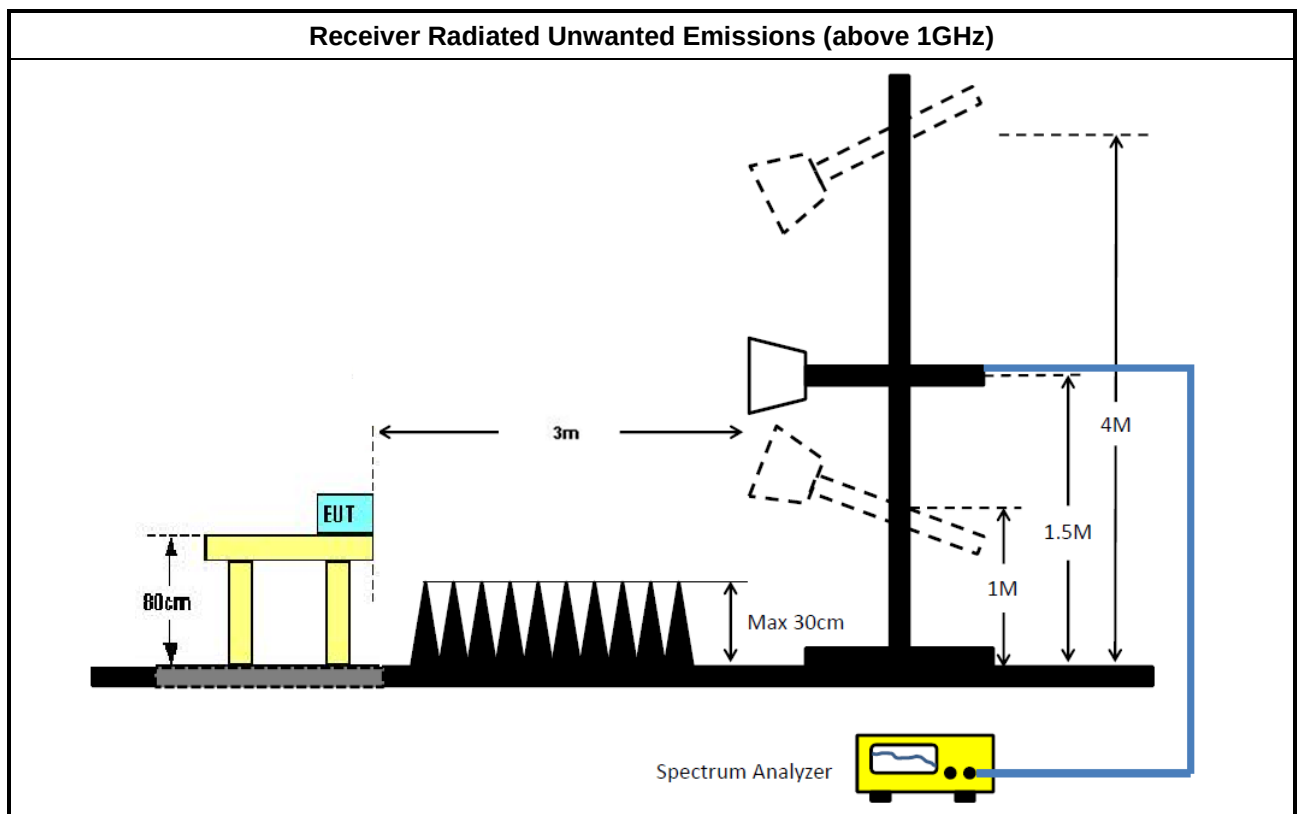
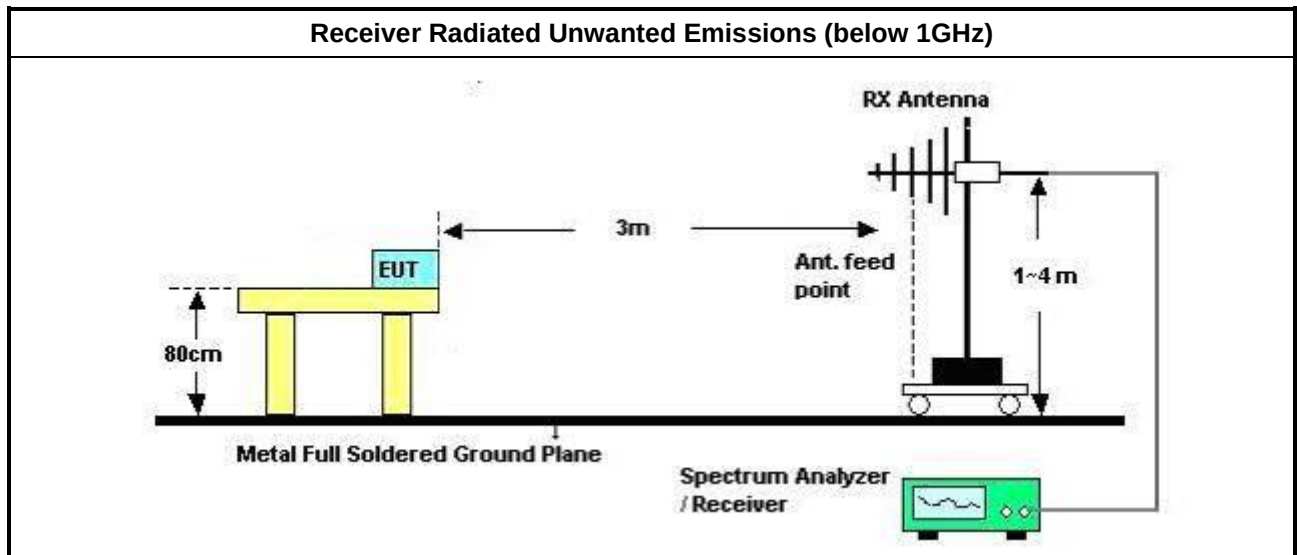
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 Receiver Radiated Unwanted Emissions (Below 30MHz)

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

3.6.7 Test Result of Receiver Radiated Unwanted Emissions

Refer as Appendix G

3.7 Maximum Permissible Exposure

3.7.1 Maximum Permissible Exposure Limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*100	6
3-30	1842 / f	4.89 / f	*900 / f ²	6
30-300	61.4	0.163	1.0	6
300-1500	-	-	f/300	6
1500-100,000	-	-	5.0	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	*100	30
3-30	1842/f	4.89/f	*180/f ²	30
30-300	27.5	0.073	1.0	30
300-1500	-	-	f/1500	30
1500-100,000	-	-	1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

3.7.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

3.7.3 MPE Calculation Method

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

3.7.4 Test Result of Calculated Result and Limit

Refer as Appendix H

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2022
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable-R03m	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	201.551k	46.28	63.55	-17.27	Neutral
Mode 2	Pass	QP	199.949k	45.83	63.61	-17.78	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	195.216k	37.83	63.80	-25.97	Line	-
Mode 1	Pass	AV	195.216k	23.01	53.80	-30.79	Line	-
Mode 1	Pass	QP	529.596k	29.34	56.00	-26.66	Line	-
Mode 1	Pass	AV	529.596k	16.82	46.00	-29.18	Line	-
Mode 1	Pass	QP	717.31k	31.85	56.00	-24.15	Line	"Worst"
Mode 1	Pass	AV	717.31k	18.20	46.00	-27.80	Line	-
Mode 1	Pass	QP	1.069M	29.27	56.00	-26.73	Line	-
Mode 1	Pass	AV	1.069M	16.57	46.00	-29.43	Line	-
Mode 1	Pass	QP	2.211M	21.50	56.00	-34.50	Line	-
Mode 1	Pass	AV	2.211M	17.06	46.00	-28.94	Line	-
Mode 1	Pass	QP	19.014M	28.01	60.00	-31.99	Line	-
Mode 1	Pass	AV	19.014M	20.46	50.00	-29.54	Line	-
Mode 1	Pass	QP	201.551k	46.28	63.55	-17.27	Neutral	"Worst"
Mode 1	Pass	AV	201.551k	30.71	53.55	-22.84	Neutral	-
Mode 1	Pass	QP	358.13k	32.74	58.77	-26.03	Neutral	-
Mode 1	Pass	AV	358.13k	20.32	48.77	-28.45	Neutral	-
Mode 1	Pass	QP	529.596k	30.19	56.00	-25.81	Neutral	-
Mode 1	Pass	AV	529.596k	17.35	46.00	-28.65	Neutral	-
Mode 1	Pass	QP	2.211M	22.28	56.00	-33.72	Neutral	-
Mode 1	Pass	AV	2.211M	17.09	46.00	-28.91	Neutral	-
Mode 1	Pass	QP	3.775M	21.65	56.00	-34.35	Neutral	-
Mode 1	Pass	AV	3.775M	17.53	46.00	-28.47	Neutral	-
Mode 1	Pass	QP	18.343M	25.26	60.00	-34.74	Neutral	-
Mode 1	Pass	AV	18.343M	19.17	50.00	-30.83	Neutral	-
Mode 2	Pass	QP	203.98k	37.14	63.44	-26.30	Line	-
Mode 2	Pass	AV	203.98k	23.27	53.44	-30.17	Line	-
Mode 2	Pass	QP	542.434k	31.75	56.00	-24.25	Line	"Worst"
Mode 2	Pass	AV	542.434k	18.53	46.00	-27.47	Line	-
Mode 2	Pass	QP	700.333k	26.55	56.00	-29.45	Line	-
Mode 2	Pass	AV	700.333k	15.18	46.00	-30.82	Line	-
Mode 2	Pass	QP	1.019M	29.90	56.00	-26.10	Line	-
Mode 2	Pass	AV	1.019M	16.92	46.00	-29.08	Line	-
Mode 2	Pass	QP	2.229M	23.04	56.00	-32.96	Line	-
Mode 2	Pass	AV	2.229M	18.08	46.00	-27.92	Line	-
Mode 2	Pass	QP	19.398M	28.14	60.00	-31.86	Line	-
Mode 2	Pass	AV	19.398M	20.68	50.00	-29.32	Line	-
Mode 2	Pass	QP	199.949k	45.83	63.61	-17.78	Neutral	"Worst"
Mode 2	Pass	AV	199.949k	29.66	53.61	-23.95	Neutral	-
Mode 2	Pass	QP	356.703k	33.15	58.81	-25.66	Neutral	-
Mode 2	Pass	AV	356.703k	20.35	48.81	-28.46	Neutral	-
Mode 2	Pass	QP	535.976k	30.15	56.00	-25.85	Neutral	-
Mode 2	Pass	AV	535.976k	17.64	46.00	-28.36	Neutral	-
Mode 2	Pass	QP	2.247M	23.29	56.00	-32.71	Neutral	-

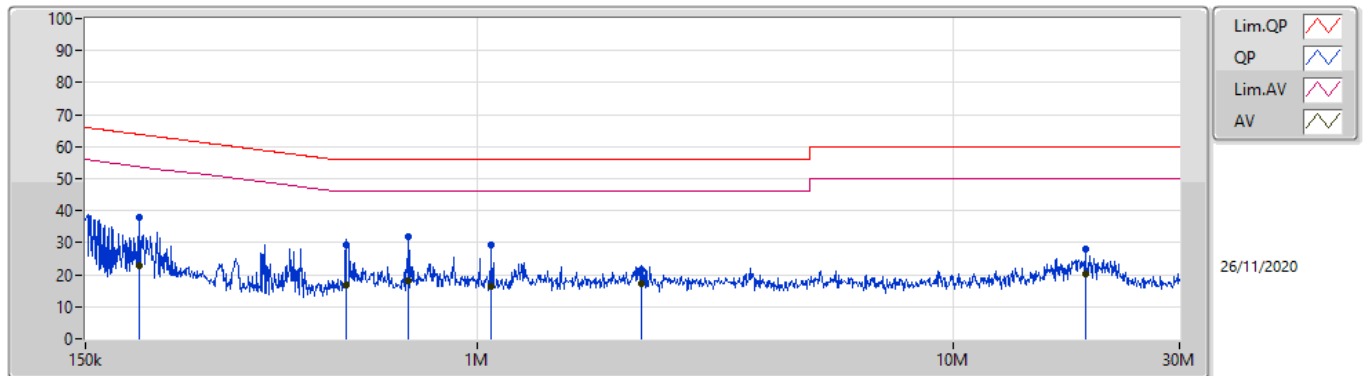


Conducted Emissions at Powerline

Appendix A

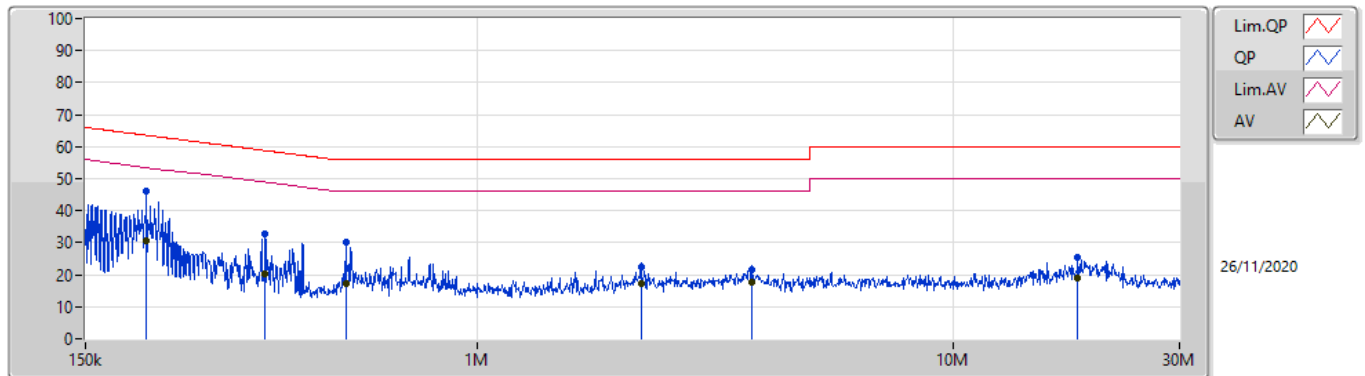
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 2	Pass	AV	2.247M	16.34	46.00	-29.66	Neutral	-
Mode 2	Pass	QP	3.79M	21.53	56.00	-34.47	Neutral	-
Mode 2	Pass	AV	3.79M	17.66	46.00	-28.34	Neutral	-
Mode 2	Pass	QP	18.564M	25.57	60.00	-34.43	Neutral	-
Mode 2	Pass	AV	18.564M	19.53	50.00	-30.47	Neutral	-

Conducted Emissions at Powerline_Mode 1



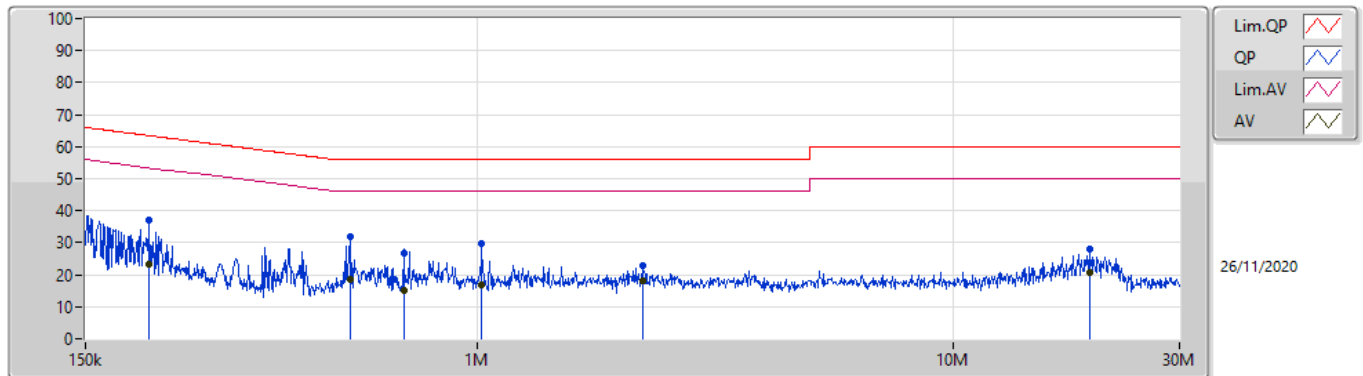
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	195.216k	37.83	63.80	-25.97	19.59	Line	-	18.24	9.68	0.01	9.90			
AV	195.216k	23.01	53.80	-30.79	19.59	Line	-	3.42	9.68	0.01	9.90			
QP	529.596k	29.34	56.00	-26.66	19.57	Line	-	9.77	9.67	0.03	9.87			
AV	529.596k	16.82	46.00	-29.18	19.57	Line	-	-2.75	9.67	0.03	9.87			
QP	717.31k	31.85	56.00	-24.15	19.55	Line	"Worst"	12.30	9.67	0.04	9.84			
AV	717.31k	18.20	46.00	-27.80	19.55	Line	-	-1.35	9.67	0.04	9.84			
QP	1.069M	29.27	56.00	-26.73	19.52	Line	-	9.75	9.67	0.05	9.80			
AV	1.069M	16.57	46.00	-29.43	19.52	Line	-	-2.95	9.67	0.05	9.80			
QP	2.211M	21.50	56.00	-34.50	19.58	Line	-	1.92	9.68	0.09	9.81			
AV	2.211M	17.06	46.00	-28.94	19.58	Line	-	-2.52	9.68	0.09	9.81			
QP	19.014M	28.01	60.00	-31.99	19.85	Line	-	8.16	9.67	0.28	9.90			
AV	19.014M	20.46	50.00	-29.54	19.85	Line	-	0.61	9.67	0.28	9.90			

Conducted Emissions at Powerline_Mode 1



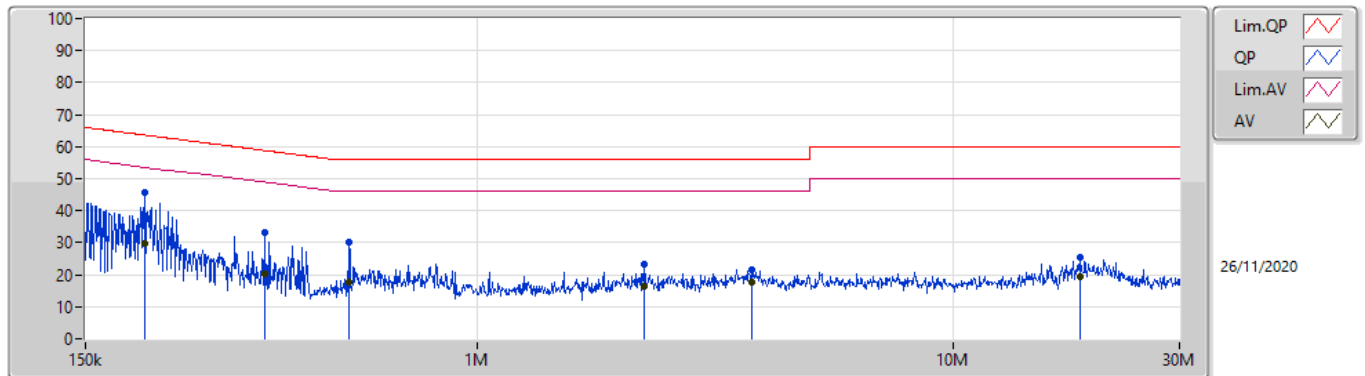
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	201.551k	46.28	63.55	-17.27	19.59	Neutral	"Worst"	26.69	9.68	0.01	9.90			
AV	201.551k	30.71	53.55	-22.84	19.59	Neutral	-	11.12	9.68	0.01	9.90			
QP	358.13k	32.74	58.77	-26.03	19.59	Neutral	-	13.15	9.67	0.02	9.90			
AV	358.13k	20.32	48.77	-28.45	19.59	Neutral	-	0.73	9.67	0.02	9.90			
QP	529.596k	30.19	56.00	-25.81	19.57	Neutral	-	10.62	9.67	0.03	9.87			
AV	529.596k	17.35	46.00	-28.65	19.57	Neutral	-	-2.22	9.67	0.03	9.87			
QP	2.211M	22.28	56.00	-33.72	19.58	Neutral	-	2.70	9.68	0.09	9.81			
AV	2.211M	17.09	46.00	-28.91	19.58	Neutral	-	-2.49	9.68	0.09	9.81			
QP	3.775M	21.65	56.00	-34.35	19.70	Neutral	-	1.95	9.69	0.12	9.89			
AV	3.775M	17.53	46.00	-28.47	19.70	Neutral	-	-2.17	9.69	0.12	9.89			
QP	18.343M	25.26	60.00	-34.74	19.93	Neutral	-	5.33	9.75	0.28	9.90			
AV	18.343M	19.17	50.00	-30.83	19.93	Neutral	-	-0.76	9.75	0.28	9.90			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	203.98k	37.14	63.44	-26.30	19.59	Line	-	17.55	9.68	0.01	9.90			
AV	203.98k	23.27	53.44	-30.17	19.59	Line	-	3.68	9.68	0.01	9.90			
QP	542.434k	31.75	56.00	-24.25	19.57	Line	"Worst"	12.18	9.67	0.03	9.87			
AV	542.434k	18.53	46.00	-27.47	19.57	Line	-	-1.04	9.67	0.03	9.87			
QP	700.333k	26.55	56.00	-29.45	19.55	Line	-	7.00	9.67	0.04	9.84			
AV	700.333k	15.18	46.00	-30.82	19.55	Line	-	-4.37	9.67	0.04	9.84			
QP	1.019M	29.90	56.00	-26.10	19.52	Line	-	10.38	9.67	0.05	9.80			
AV	1.019M	16.92	46.00	-29.08	19.52	Line	-	-2.60	9.67	0.05	9.80			
QP	2.229M	23.04	56.00	-32.96	19.59	Line	-	3.45	9.68	0.09	9.82			
AV	2.229M	18.08	46.00	-27.92	19.59	Line	-	-1.51	9.68	0.09	9.82			
QP	19.398M	28.14	60.00	-31.86	19.86	Line	-	8.28	9.67	0.29	9.90			
AV	19.398M	20.68	50.00	-29.32	19.86	Line	-	0.82	9.67	0.29	9.90			

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	199.949k	45.83	63.61	-17.78	19.59	Neutral	"Worst"	26.24	9.68	0.01	9.90			
AV	199.949k	29.66	53.61	-23.95	19.59	Neutral	-	10.07	9.68	0.01	9.90			
QP	356.703k	33.15	58.81	-25.66	19.59	Neutral	-	13.56	9.67	0.02	9.90			
AV	356.703k	20.35	48.81	-28.46	19.59	Neutral	-	0.76	9.67	0.02	9.90			
QP	535.976k	30.15	56.00	-25.85	19.57	Neutral	-	10.58	9.67	0.03	9.87			
AV	535.976k	17.64	46.00	-28.36	19.57	Neutral	-	-1.93	9.67	0.03	9.87			
QP	2.247M	23.29	56.00	-32.71	19.59	Neutral	-	3.70	9.68	0.09	9.82			
AV	2.247M	16.34	46.00	-29.66	19.59	Neutral	-	-3.25	9.68	0.09	9.82			
QP	3.79M	21.53	56.00	-34.47	19.70	Neutral	-	1.83	9.69	0.12	9.89			
AV	3.79M	17.66	46.00	-28.34	19.70	Neutral	-	-2.04	9.69	0.12	9.89			
QP	18.564M	25.57	60.00	-34.43	19.93	Neutral	-	5.64	9.75	0.28	9.90			
AV	18.564M	19.53	50.00	-30.47	19.93	Neutral	-	-0.40	9.75	0.28	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.32M	16.696M	16M7D1D	16.32M	16.672M

Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Max-OBW = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

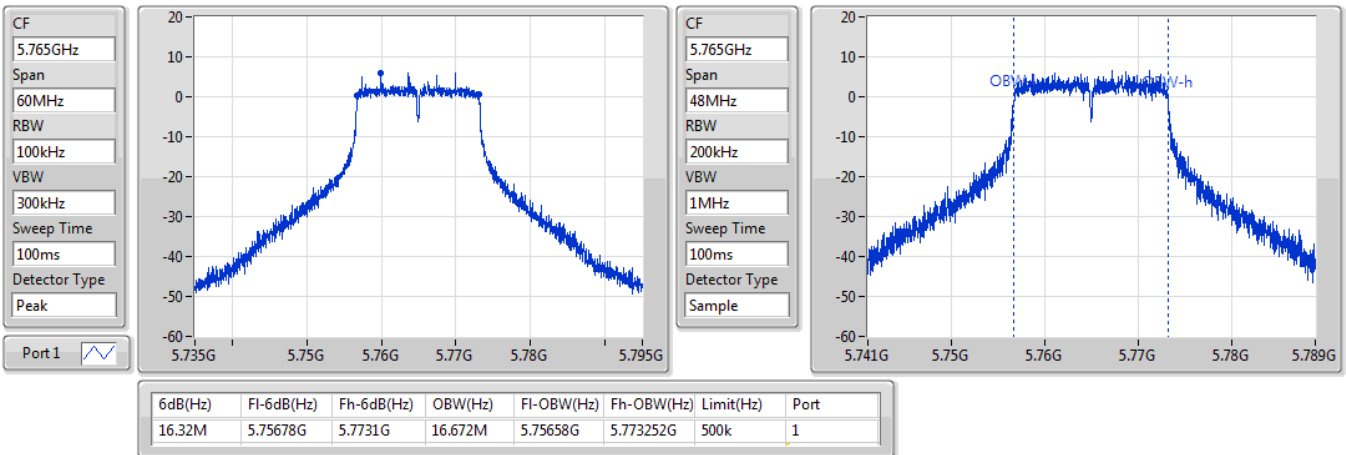
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5765MHz	Pass	500k	16.32M	16.672M
5805MHz	Pass	500k	16.32M	16.696M

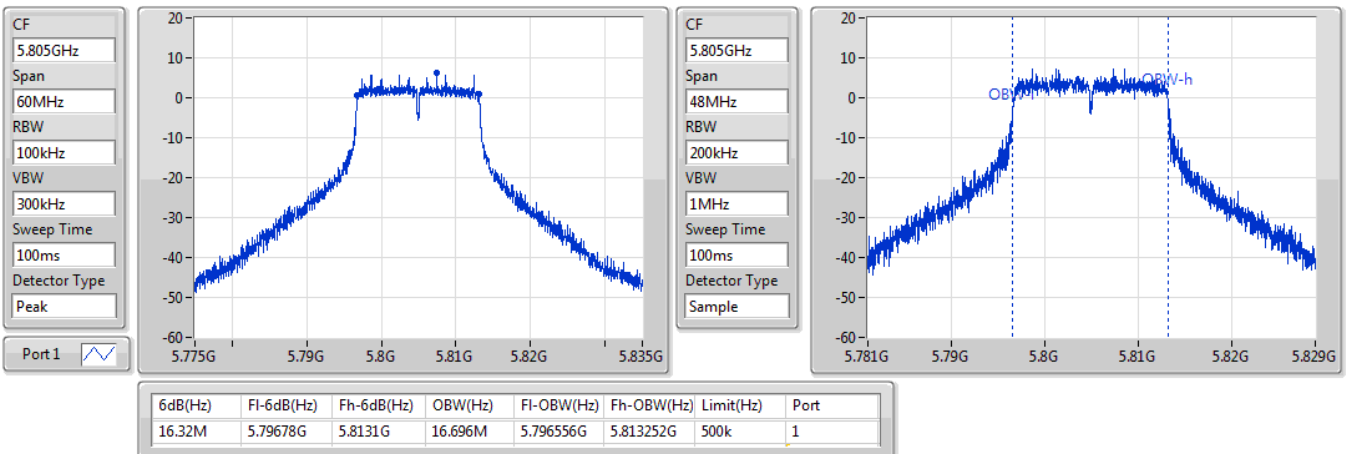
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX
EBW
5765MHz

26/11/2020


802.11a_Nss1,(6Mbps)_1TX
EBW
5805MHz

26/11/2020





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	17.77	0.05984	32.67	1.84927



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5765MHz	Pass	14.90	17.40	17.40	21.10	32.30	36.00
5805MHz	Pass	14.90	17.77	17.77	21.10	32.67	36.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.17	18.07

RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5765MHz	Pass	14.90	2.82	2.82	21.10	17.72	36.00
5805MHz	Pass	14.90	3.17	3.17	21.10	18.07	36.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

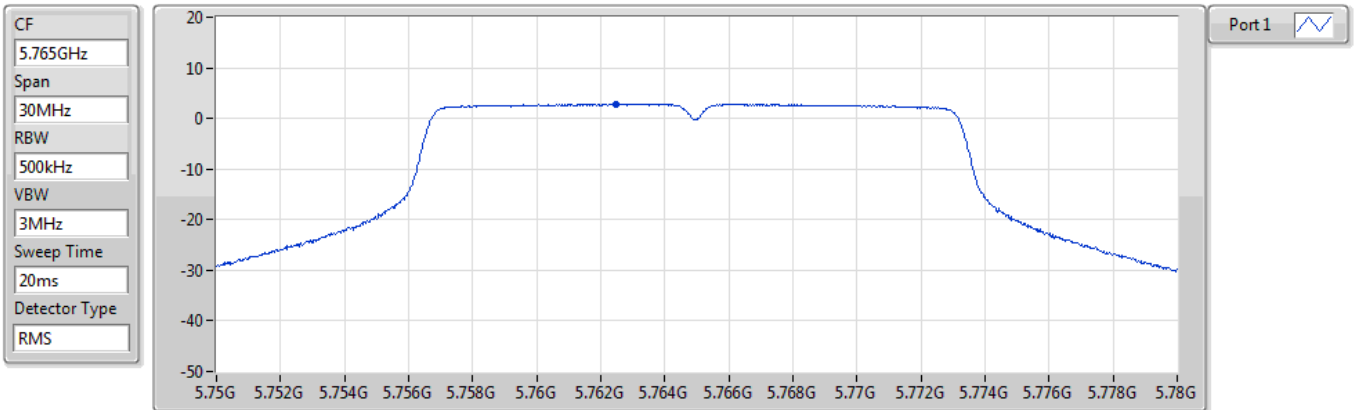
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_1TX

PSD

5765MHz

26/11/2020

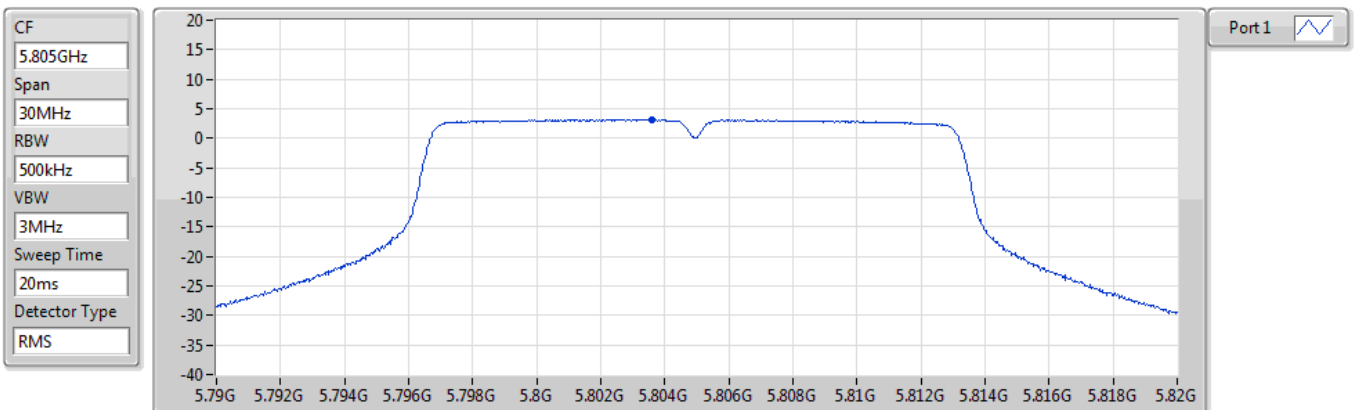


802.11a_Nss1,(6Mbps)_1TX

PSD

5805MHz

26/11/2020





Summary

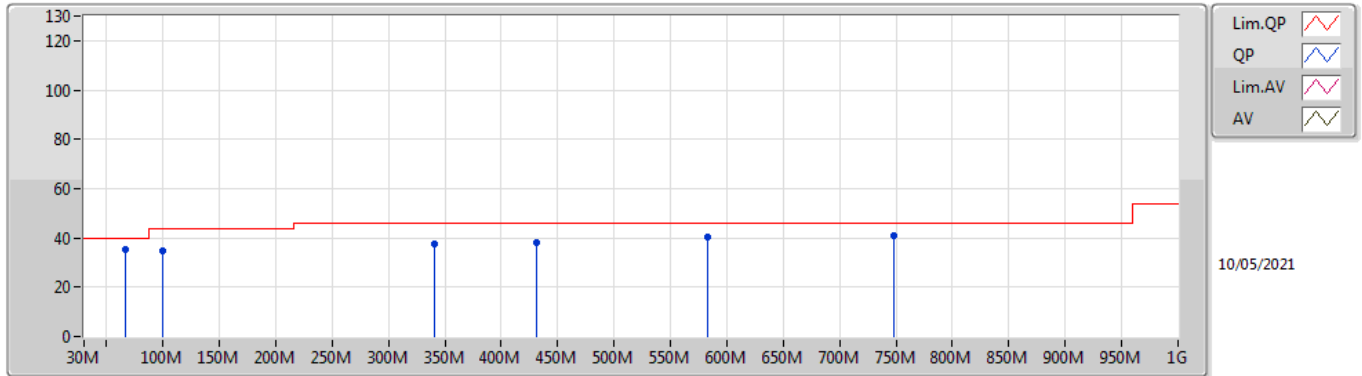
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	QP	62.04M	38.32	40.00	-1.68	3	Horizontal	170	2.50	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
5805MHz	Pass	PK	66.86M	35.39	40.00	-4.61	3	Vertical	360	1.00	-
5805MHz	Pass	PK	99.84M	34.90	43.50	-8.60	3	Vertical	360	1.00	-
5805MHz	Pass	PK	340.4M	37.38	46.00	-8.62	3	Vertical	360	1.00	-
5805MHz	Pass	PK	431.58M	38.21	46.00	-7.79	3	Vertical	360	1.00	-
5805MHz	Pass	PK	582.9M	40.60	46.00	-5.40	3	Vertical	360	1.00	-
5805MHz	Pass	PK	747.8M	40.64	46.00	-5.36	3	Vertical	360	1.00	-
5805MHz	Pass	PK	97.9M	38.86	43.50	-4.64	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	146.4M	39.84	43.50	-3.66	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	158.04M	40.39	43.50	-3.11	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	249.22M	39.71	46.00	-6.29	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	827.34M	39.84	46.00	-6.16	3	Horizontal	0	1.00	-
5805MHz	Pass	QP	62.04M	38.32	40.00	-1.68	3	Horizontal	170	2.50	-

802.11a_Nss1,(6Mbps)_1TX

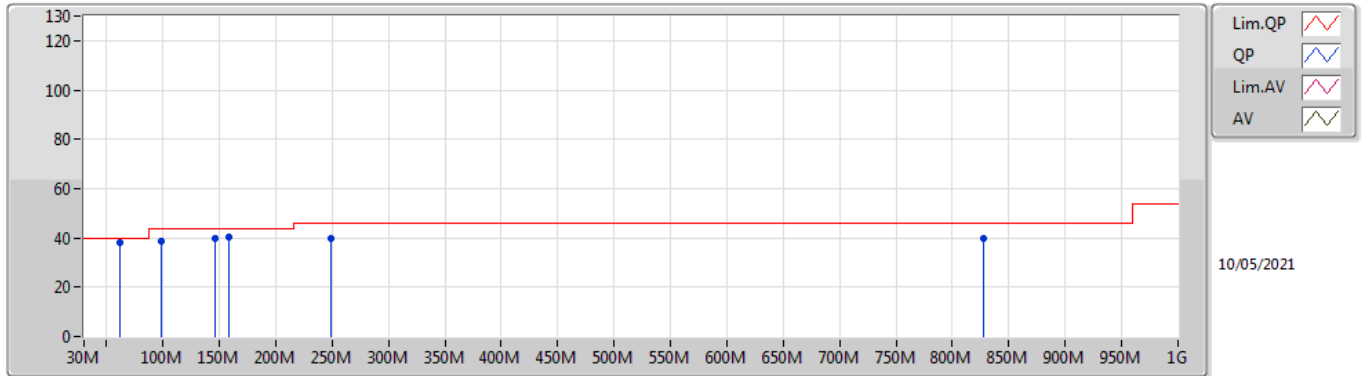
5805MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	66.86M	35.39	40.00	-4.61	-15.19	3	Vertical	360	1.00	-	50.58	11.44	1.19	27.82
PK	99.84M	34.90	43.50	-8.60	-10.26	3	Vertical	360	1.00	-	45.16	16.09	1.42	27.77
PK	340.4M	37.38	46.00	-8.62	-5.63	3	Vertical	360	1.00	-	43.01	19.13	2.51	27.27
PK	431.58M	38.21	46.00	-7.79	-3.28	3	Vertical	360	1.00	-	41.49	21.82	2.84	27.94
PK	582.9M	40.60	46.00	-5.40	-0.92	3	Vertical	360	1.00	-	41.52	24.10	3.31	28.33
PK	747.8M	40.64	46.00	-5.36	0.59	3	Vertical	360	1.00	-	40.05	24.89	3.70	28.00

802.11a_Nss1,(6Mbps)_1TX

5805MHz_Test Fixture



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	97.9M	38.86	43.50	-4.64	-10.67	3	Horizontal	0	1.00	-	49.53	15.70	1.41	27.78
PK	146.4M	39.84	43.50	-3.66	-10.14	3	Horizontal	0	1.00	-	49.98	15.77	1.68	27.59
PK	158.04M	40.39	43.50	-3.11	-10.58	3	Horizontal	0	1.00	-	50.97	15.21	1.76	27.55
PK	249.22M	39.71	46.00	-6.29	-7.45	3	Horizontal	0	1.00	-	47.16	17.45	2.15	27.05
PK	827.34M	39.84	46.00	-6.16	1.53	3	Horizontal	0	1.00	-	38.31	25.28	3.94	27.69
QP	62.04M	38.32	40.00	-1.68	-15.05	3	Horizontal	170	2.50	-	53.37	11.59	1.16	27.80



Summary

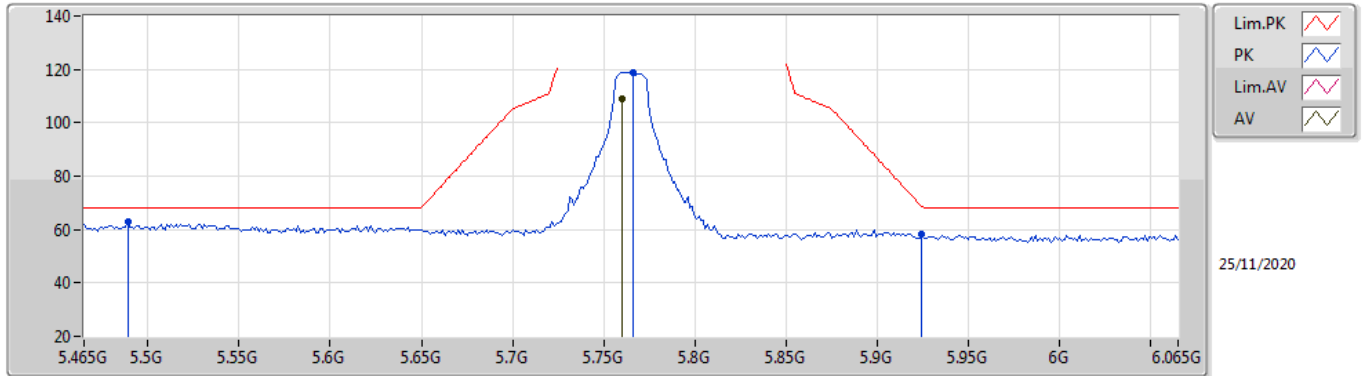
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	PK	17.4195G	68.14	68.20	-0.06	3	Vertical	3	1.36	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
5765MHz	Pass	AV	5.7602G	109.05	Inf	-Inf	3	Vertical	5	1.52	-
5765MHz	Pass	PK	5.489G	63.02	68.20	-5.18	3	Vertical	5	1.52	-
5765MHz	Pass	PK	5.7662G	118.99	Inf	-Inf	3	Vertical	5	1.52	-
5765MHz	Pass	PK	5.9246G	58.40	68.50	-10.10	3	Vertical	5	1.52	-
5765MHz	Pass	AV	3.84328G	47.17	54.00	-6.83	3	Vertical	348	2.83	-
5765MHz	Pass	AV	11.5303G	53.79	54.00	-0.21	3	Vertical	333	2.19	-
5765MHz	Pass	PK	3.84327G	50.63	74.00	-23.37	3	Vertical	348	2.83	-
5765MHz	Pass	PK	11.5285G	69.22	74.00	-4.78	3	Vertical	333	2.19	-
5765MHz	Pass	PK	17.28732G	65.65	68.20	-2.55	3	Vertical	353	1.90	-
5765MHz	Pass	AV	3.84327G	43.01	54.00	-10.99	3	Horizontal	332	1.35	-
5765MHz	Pass	AV	11.53036G	50.04	54.00	-3.96	3	Horizontal	340	2.91	-
5765MHz	Pass	PK	3.8433G	48.10	74.00	-25.90	3	Horizontal	332	1.35	-
5765MHz	Pass	PK	11.52832G	64.80	74.00	-9.20	3	Horizontal	340	2.91	-
5765MHz	Pass	PK	17.30286G	64.06	68.20	-4.14	3	Horizontal	232	2.06	-
5805MHz	Pass	AV	5.8026G	108.74	Inf	-Inf	3	Vertical	0	1.61	-
5805MHz	Pass	PK	5.5254G	61.84	68.20	-6.36	3	Vertical	0	1.61	-
5805MHz	Pass	PK	5.8098G	118.61	Inf	-Inf	3	Vertical	0	1.61	-
5805MHz	Pass	PK	5.9394G	59.00	68.20	-9.20	3	Vertical	0	1.61	-
5805MHz	Pass	AV	3.86994G	50.04	54.00	-3.96	3	Vertical	226	1.49	-
5805MHz	Pass	AV	11.60916G	51.74	54.00	-2.26	3	Vertical	188	2.17	-
5805MHz	Pass	PK	3.86992G	52.61	74.00	-21.39	3	Vertical	226	1.49	-
5805MHz	Pass	PK	11.6058G	66.03	74.00	-7.97	3	Vertical	188	2.17	-
5805MHz	Pass	PK	17.4195G	68.14	68.20	-0.06	3	Vertical	3	1.36	-
5805MHz	Pass	AV	3.86996G	49.59	54.00	-4.41	3	Horizontal	320	1.49	-
5805MHz	Pass	AV	11.61108G	47.90	54.00	-6.10	3	Horizontal	196	1.30	-
5805MHz	Pass	PK	3.8699G	52.48	74.00	-21.52	3	Horizontal	320	1.49	-
5805MHz	Pass	PK	11.61144G	62.49	74.00	-11.51	3	Horizontal	196	1.30	-
5805MHz	Pass	PK	17.42142G	65.78	68.20	-2.42	3	Horizontal	305	1.00	-

802.11a_Nss1,(6Mbps)_1TX

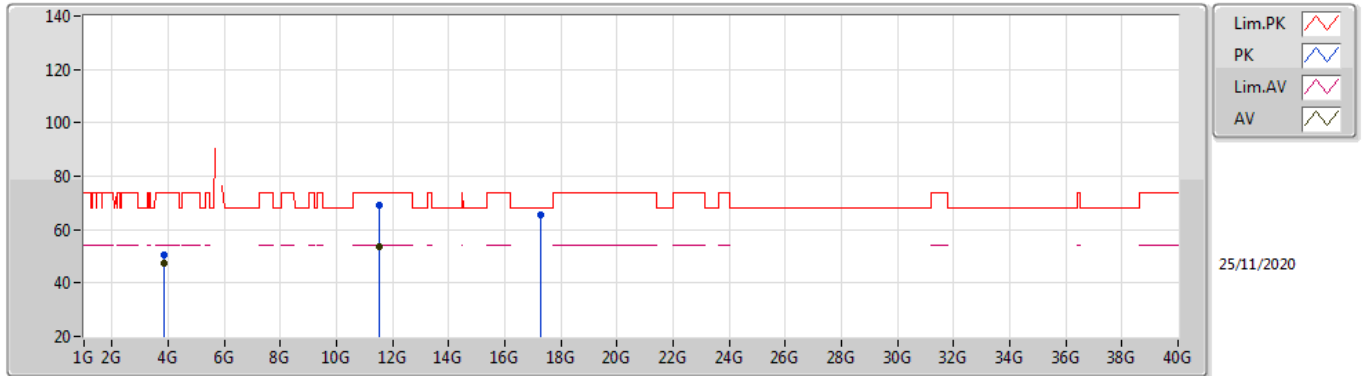
5765MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7602G	109.05	Inf	-Inf	6.75	3	Vertical	5	1.52	-	102.30	32.00	9.04	34.29
PK	5.489G	63.02	68.20	-5.18	6.16	3	Vertical	5	1.52	-	56.86	31.68	8.74	34.26
PK	5.7662G	118.99	Inf	-Inf	6.76	3	Vertical	5	1.52	-	112.23	32.00	9.05	34.29
PK	5.9246G	58.40	68.50	-10.10	7.14	3	Vertical	5	1.52	-	51.26	32.30	9.14	34.30

802.11a_Nss1,(6Mbps)_1TX

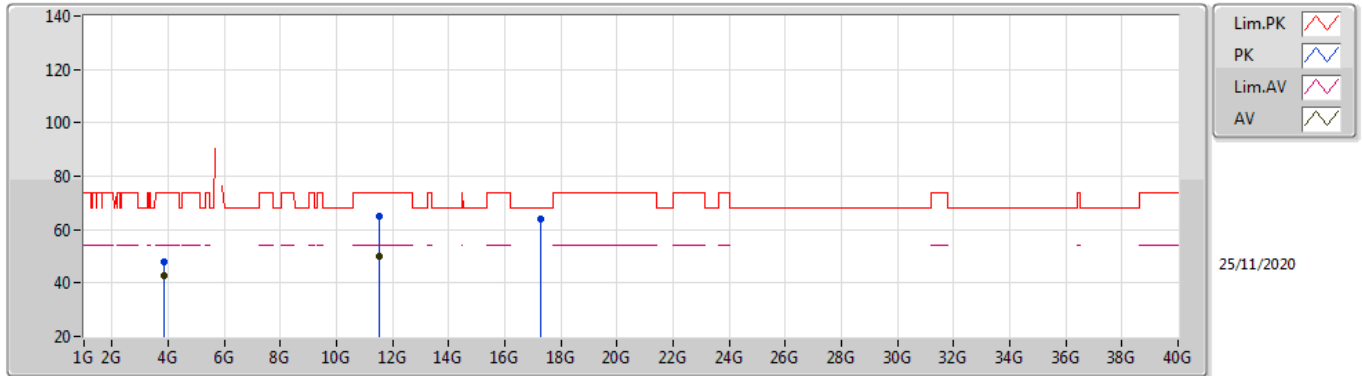
5765MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.84328G	47.17	54.00	-6.83	2.43	3	Vertical	348	2.83	-	44.74	29.37	7.50	34.44
AV	11.5303G	53.79	54.00	-0.21	18.57	3	Vertical	333	2.19	-	35.22	39.97	12.77	34.17
PK	3.84327G	50.63	74.00	-23.37	2.43	3	Vertical	348	2.83	-	48.20	29.37	7.50	34.44
PK	11.5285G	69.22	74.00	-4.78	18.57	3	Vertical	333	2.19	-	50.65	39.97	12.77	34.17
PK	17.28732G	65.65	68.20	-2.55	21.55	3	Vertical	353	1.90	-	44.10	39.76	15.05	33.26

802.11a_Nss1,(6Mbps)_1TX

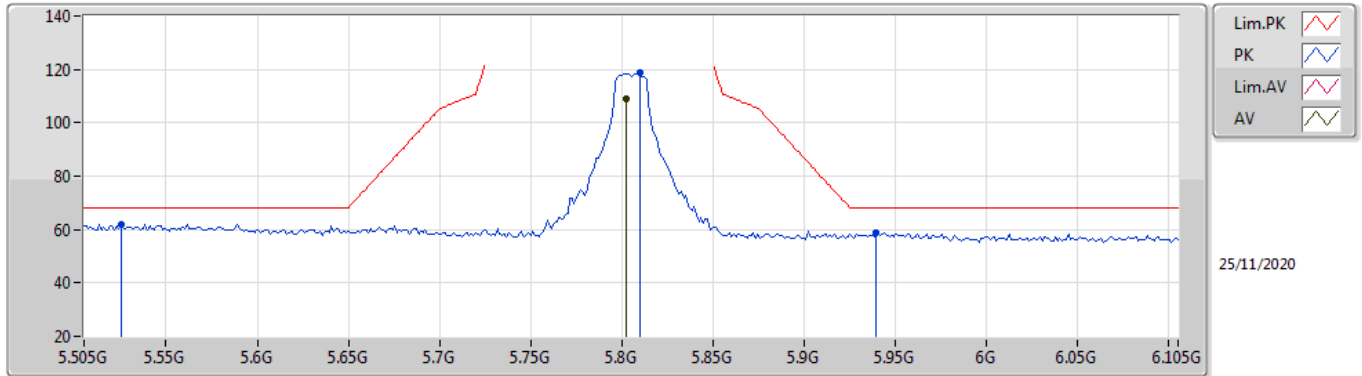
5765MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.84327G	43.01	54.00	-10.99	2.43	3	Horizontal	332	1.35	-	40.58	29.37	7.50	34.44
AV	11.53036G	50.04	54.00	-3.96	18.57	3	Horizontal	340	2.91	-	31.47	39.97	12.77	34.17
PK	3.8433G	48.10	74.00	-25.90	2.43	3	Horizontal	332	1.35	-	45.67	29.37	7.50	34.44
PK	11.52832G	64.80	74.00	-9.20	18.57	3	Horizontal	340	2.91	-	46.23	39.97	12.77	34.17
PK	17.30286G	64.06	68.20	-4.14	21.61	3	Horizontal	232	2.06	-	42.45	39.82	15.05	33.26

802.11a_Nss1,(6Mbps)_1TX

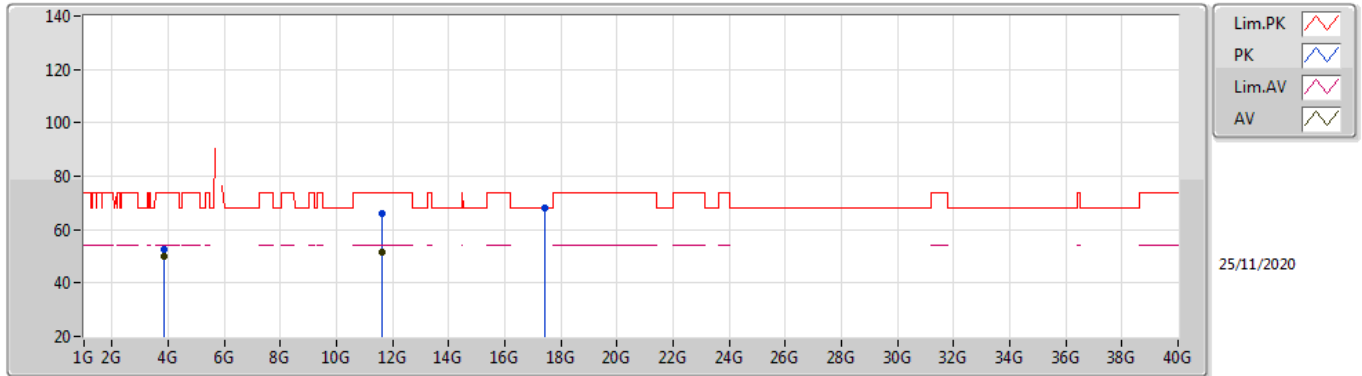
5805MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.8026G	108.74	Inf	-Inf	6.80	3	Vertical	0	1.61	-	101.94	32.01	9.08	34.29
PK	5.5254G	61.84	68.20	-6.36	6.18	3	Vertical	0	1.61	-	55.66	31.65	8.79	34.26
PK	5.8098G	118.61	Inf	-Inf	6.83	3	Vertical	0	1.61	-	111.78	32.04	9.08	34.29
PK	5.9394G	59.00	68.20	-9.20	7.14	3	Vertical	0	1.61	-	51.86	32.30	9.14	34.30

802.11a_Nss1,(6Mbps)_1TX

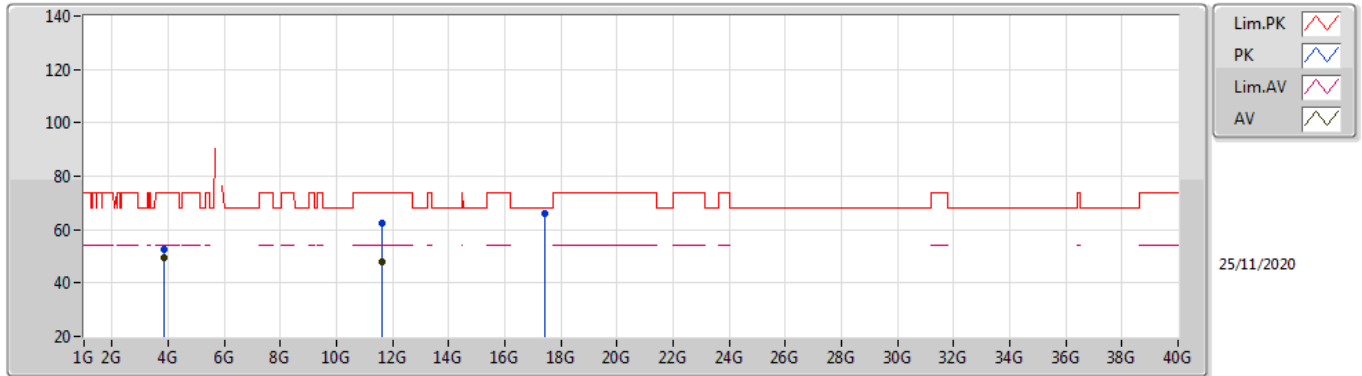
5805MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	3.86994G	50.04	54.00	-3.96	2.55	3	Vertical	226	1.49	-	47.49	29.48	7.51	34.44
AV	11.60916G	51.74	54.00	-2.26	18.44	3	Vertical	188	2.17	-	33.30	39.84	12.81	34.21
PK	3.86992G	52.61	74.00	-21.39	2.55	3	Vertical	226	1.49	-	50.06	29.48	7.51	34.44
PK	11.6058G	66.03	74.00	-7.97	18.46	3	Vertical	188	2.17	-	47.57	39.86	12.81	34.21
PK	17.4195G	68.14	68.20	-0.06	22.58	3	Vertical	3	1.36	-	45.56	40.72	15.08	33.22

802.11a_Nss1,(6Mbps)_1TX

5805MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	3.86996G	49.59	54.00	-4.41	2.55	3	Horizontal	320	1.49	-	47.04	29.48	7.51	34.44
AV	11.61108G	47.90	54.00	-6.10	18.42	3	Horizontal	196	1.30	-	29.48	39.82	12.81	34.21
PK	3.8699G	52.48	74.00	-21.52	2.55	3	Horizontal	320	1.49	-	49.93	29.48	7.51	34.44
PK	11.61144G	62.49	74.00	-11.51	18.42	3	Horizontal	196	1.30	-	44.07	39.82	12.81	34.21
PK	17.42142G	65.78	68.20	-2.42	22.59	3	Horizontal	305	1.00	-	43.19	40.73	15.08	33.22



Summary

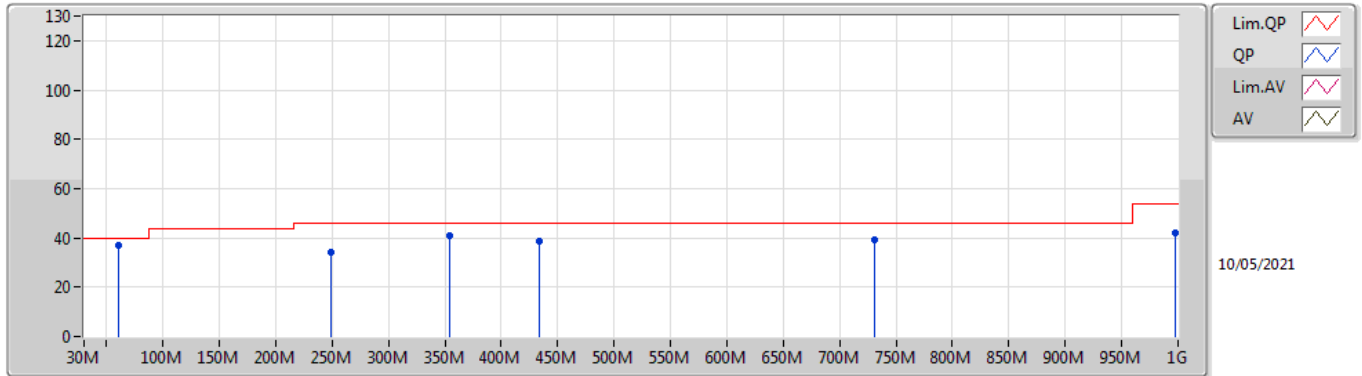
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1RX	Pass	PK	61.04M	36.97	40.00	-3.03	3	Vertical	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1RX	-	-	-	-	-	-	-	-	-	-	-
5805MHz	Pass	PK	61.04M	36.97	40.00	-3.03	3	Vertical	360	1.00	-
5805MHz	Pass	PK	249.22M	34.02	46.00	-11.98	3	Vertical	360	1.00	-
5805MHz	Pass	PK	353.98M	40.82	46.00	-5.18	3	Vertical	360	1.00	-
5805MHz	Pass	PK	433.52M	38.46	46.00	-7.54	3	Vertical	360	1.00	-
5805MHz	Pass	PK	730.34M	39.15	46.00	-6.85	3	Vertical	360	1.00	-
5805MHz	Pass	PK	998.06M	41.95	54.00	-12.05	3	Vertical	360	1.00	-
5805MHz	Pass	PK	49.4M	36.08	40.00	-3.92	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	165.8M	30.71	43.50	-12.79	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	231.76M	36.20	46.00	-9.80	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	365.62M	37.27	46.00	-8.73	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	499.48M	37.18	46.00	-8.82	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	747.8M	36.37	46.00	-9.63	3	Horizontal	0	1.00	-

802.11a_Nss1,(6Mbps)_1RX

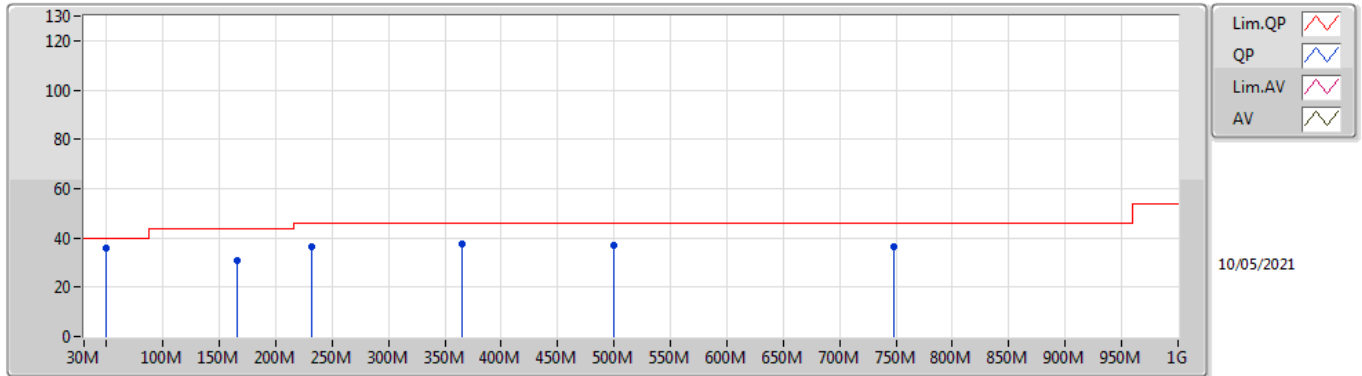
5805MHz_Test Fixture



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	61.04M	36.97	40.00	-3.03	-15.10	3	Vertical	360	1.00	-	52.07	11.54	1.15	27.79
PK	249.22M	34.02	46.00	-11.98	-7.45	3	Vertical	360	1.00	-	41.47	17.45	2.15	27.05
PK	353.98M	40.82	46.00	-5.18	-5.06	3	Vertical	360	1.00	-	45.88	19.72	2.57	27.35
PK	433.52M	38.46	46.00	-7.54	-3.31	3	Vertical	360	1.00	-	41.77	21.80	2.85	27.96
PK	730.34M	39.15	46.00	-6.85	0.28	3	Vertical	360	1.00	-	38.87	24.66	3.66	28.04
PK	998.06M	41.95	54.00	-12.05	3.64	3	Vertical	360	1.00	-	38.31	26.40	4.31	27.07

802.11a_Nss1,(6Mbps)_1RX

5805MHz_Test Fixture



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	49.4M	36.08	40.00	-3.92	-13.23	3	Horizontal	0	1.00	-	49.31	13.40	1.06	27.69
PK	165.8M	30.71	43.50	-12.79	-10.79	3	Horizontal	0	1.00	-	41.50	14.92	1.80	27.51
PK	231.76M	36.20	46.00	-9.80	-9.56	3	Horizontal	0	1.00	-	45.76	15.50	2.08	27.14
PK	365.62M	37.27	46.00	-8.73	-4.92	3	Horizontal	0	1.00	-	42.19	19.92	2.61	27.45
PK	499.48M	37.18	46.00	-8.82	-2.42	3	Horizontal	0	1.00	-	39.60	22.78	3.08	28.28
PK	747.8M	36.37	46.00	-9.63	0.59	3	Horizontal	0	1.00	-	35.78	24.89	3.70	28.00



Summary

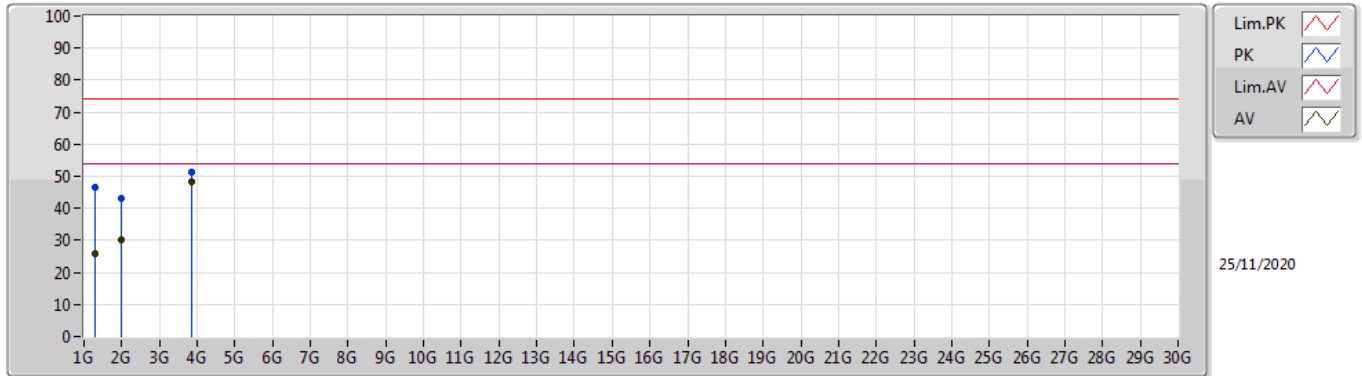
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	Pass	AV	3.86995G	48.19	54.00	-5.81	3	Vertical	267	2.84	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
5805MHz	Pass	AV	1.306G	25.71	54.00	-28.29	3	Vertical	360	1.00	-
5805MHz	Pass	AV	1.986G	30.11	54.00	-23.89	3	Vertical	360	1.00	-
5805MHz	Pass	AV	3.86995G	48.19	54.00	-5.81	3	Vertical	267	2.84	-
5805MHz	Pass	PK	1.306G	46.71	74.00	-27.29	3	Vertical	360	1.00	-
5805MHz	Pass	PK	1.986G	43.31	74.00	-30.69	3	Vertical	360	1.00	-
5805MHz	Pass	PK	3.86994G	51.38	74.00	-22.62	3	Vertical	267	2.84	-
5805MHz	Pass	AV	1.33G	27.65	54.00	-26.35	3	Horizontal	0	1.00	-
5805MHz	Pass	AV	3.86996G	44.15	54.00	-9.85	3	Horizontal	251	1.12	-
5805MHz	Pass	AV	5.39G	31.59	54.00	-22.41	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	1.33G	37.41	74.00	-36.59	3	Horizontal	0	1.00	-
5805MHz	Pass	PK	3.86994G	48.71	74.00	-25.29	3	Horizontal	251	1.12	-
5805MHz	Pass	PK	5.39G	43.00	74.00	-31.00	3	Horizontal	0	1.00	-

802.11a_Nss1,(6Mbps)_1RX

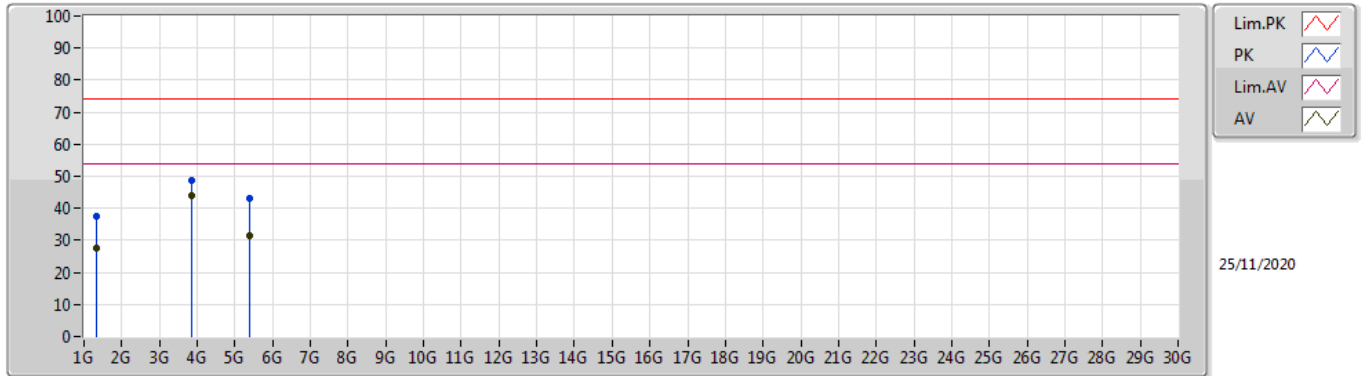
5805MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.306G	25.71	54.00	-28.29	-4.34	3	Vertical	360	1.00	-	30.05	25.74	4.54	34.62
AV	1.986G	30.11	54.00	-23.89	-2.73	3	Vertical	360	1.00	-	32.84	25.97	5.52	34.22
AV	3.86995G	48.19	54.00	-5.81	2.55	3	Vertical	267	2.84	-	45.64	29.48	7.51	34.44
PK	1.306G	46.71	74.00	-27.29	-4.34	3	Vertical	360	1.00	-	51.05	25.74	4.54	34.62
PK	1.986G	43.31	74.00	-30.69	-2.73	3	Vertical	360	1.00	-	46.04	25.97	5.52	34.22
PK	3.86994G	51.38	74.00	-22.62	2.55	3	Vertical	267	2.84	-	48.83	29.48	7.51	34.44

802.11a_Nss1,(6Mbps)_1RX

5805MHz_RX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.33G	27.65	54.00	-26.35	-4.13	3	Horizontal	0	1.00	-	31.78	25.88	4.58	34.59
AV	3.86996G	44.15	54.00	-9.85	2.55	3	Horizontal	251	1.12	-	41.60	29.48	7.51	34.44
AV	5.39G	31.59	54.00	-22.41	5.60	3	Horizontal	0	1.00	-	25.99	31.24	8.61	34.25
PK	1.33G	37.41	74.00	-36.59	-4.13	3	Horizontal	0	1.00	-	41.54	25.88	4.58	34.59
PK	3.86994G	48.71	74.00	-25.29	2.55	3	Horizontal	251	1.12	-	46.16	29.48	7.51	34.44
PK	5.39G	43.00	74.00	-31.00	5.60	3	Horizontal	0	1.00	-	37.40	31.24	8.61	34.25



Maximum Permissible Exposure

Appendix G

Mode	DG (dBi)	Power (dBm)	EIRP (dBm)	Tolerance (dB)	Tune-up EIRP (dBm)	Tune-up EIRP (W)	Distance (cm)	S (mW/cm ²)	S Limit (mW/cm ²)
5.8G;D1D	14.90	17.77	32.67	0.50	33.17	2.07491	20	0.41279	1.00000

1. Photographs of Conducted Emissions Test Configuration - TX Mode

TX Mode

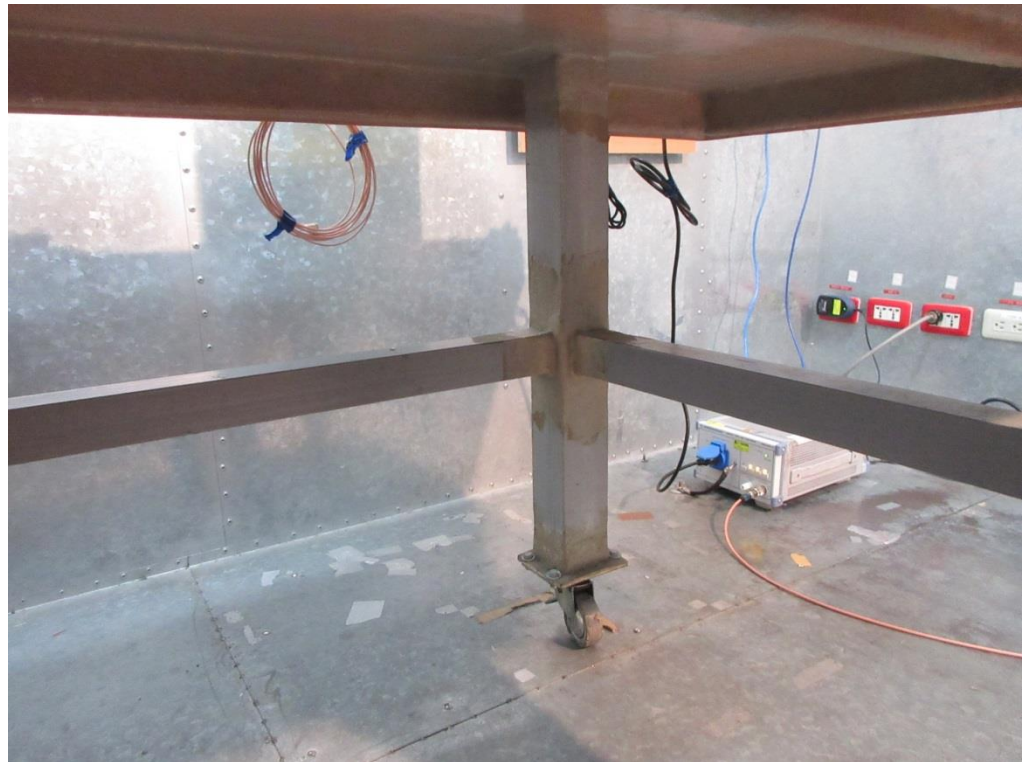
Front view



Side view



Under table view



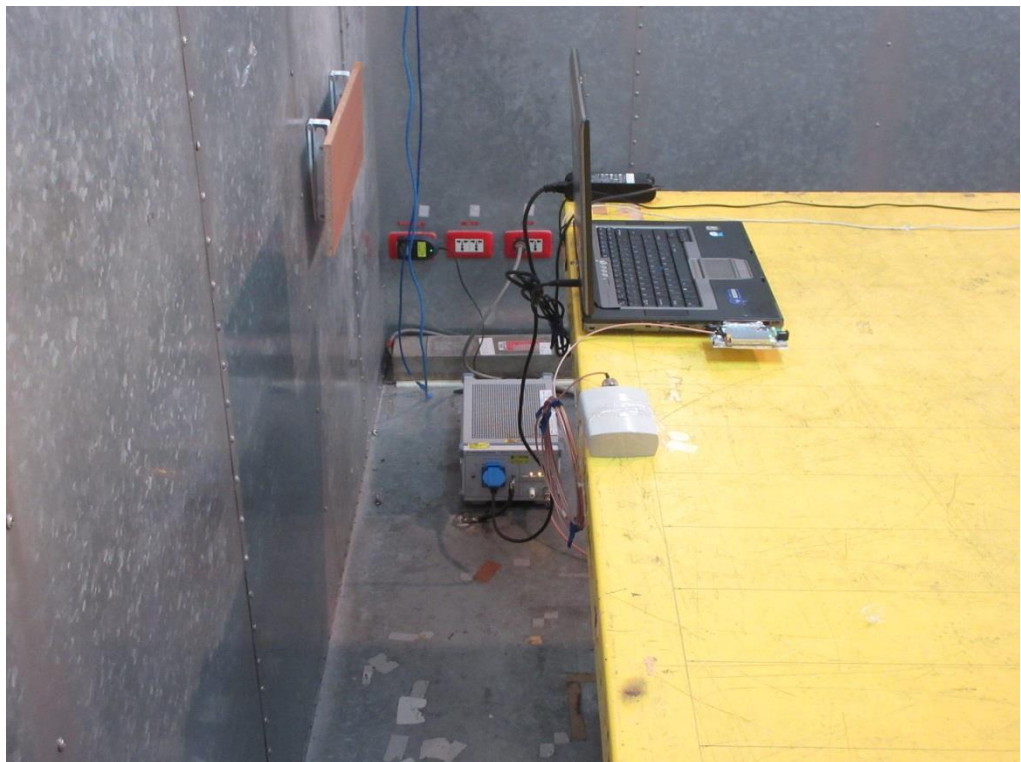
2. Photographs of Conducted Emissions Test Configuration - RX Mode

RX Mode

Front view



Side view



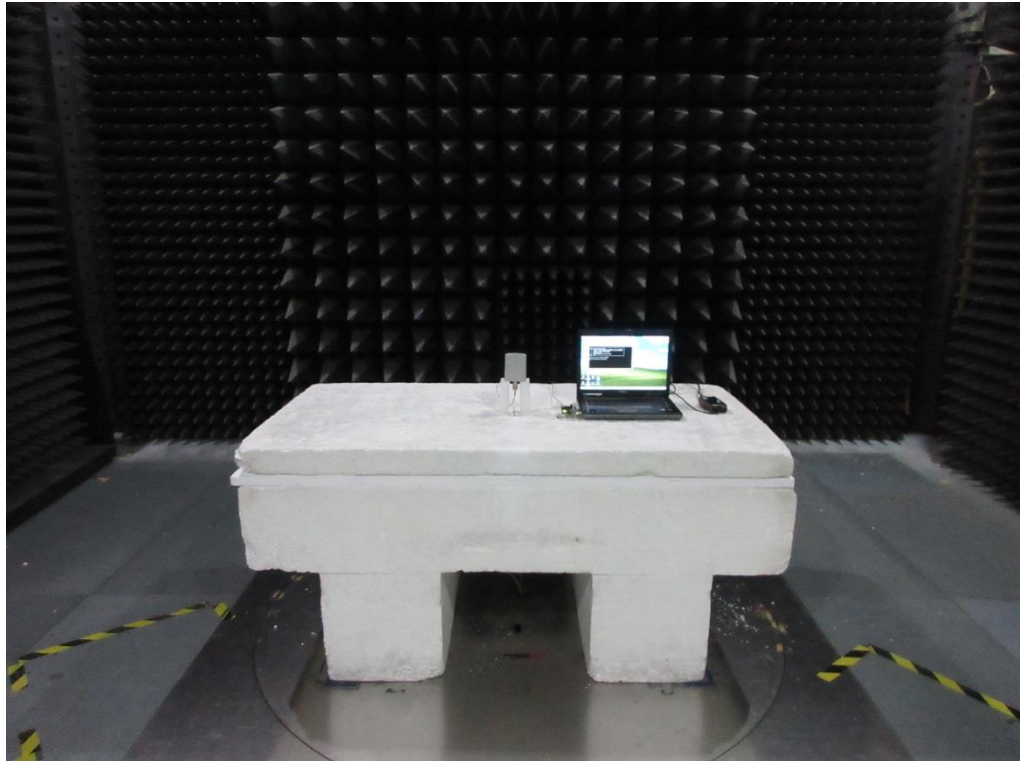
Under table view



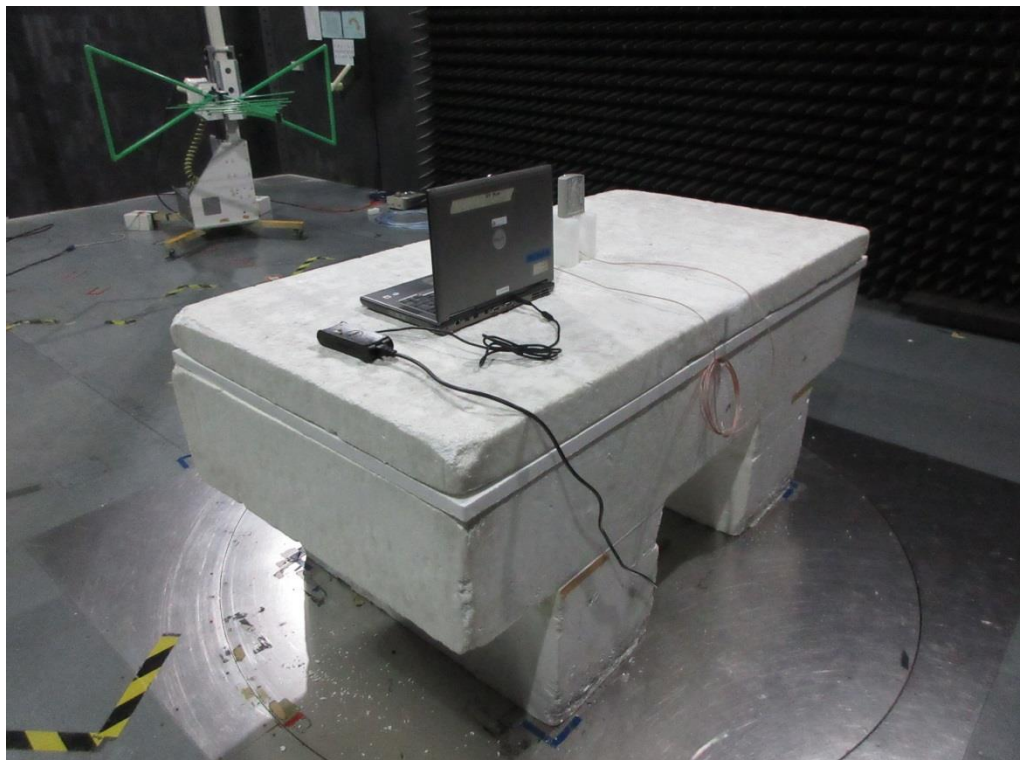
3. Photographs of Radiated Emissions Test Configuration – TX Mode

For radiated emissions 30MHz~1GHz

Front view

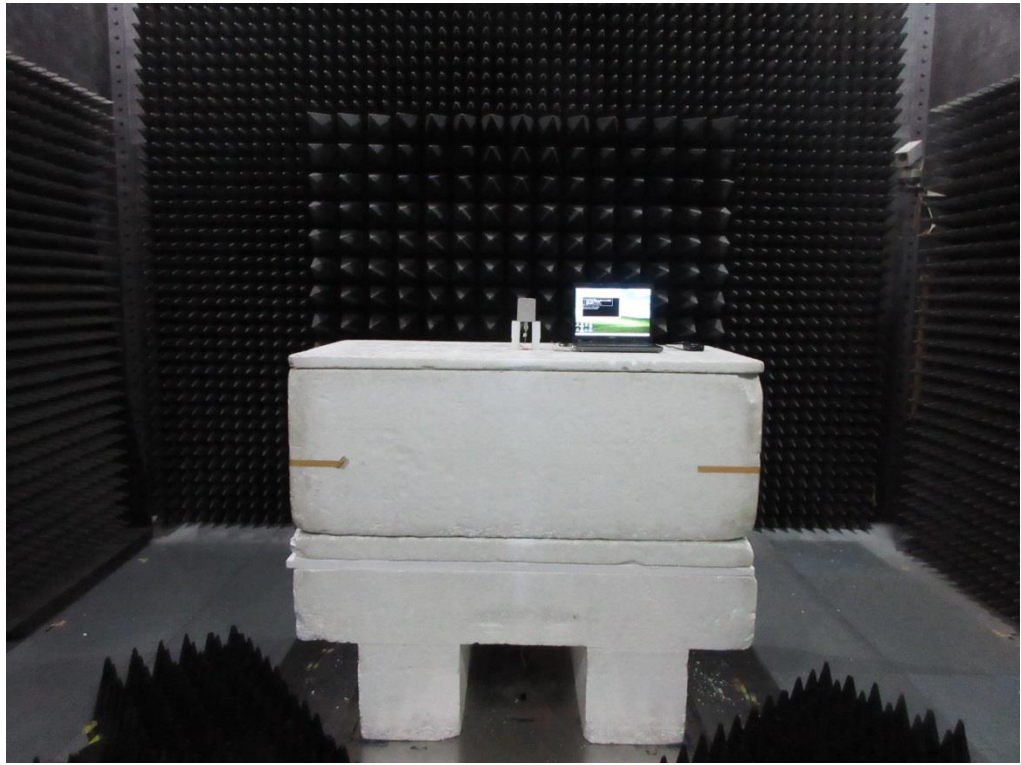


Rear view



For radiated emissions above 1GHz

Front view



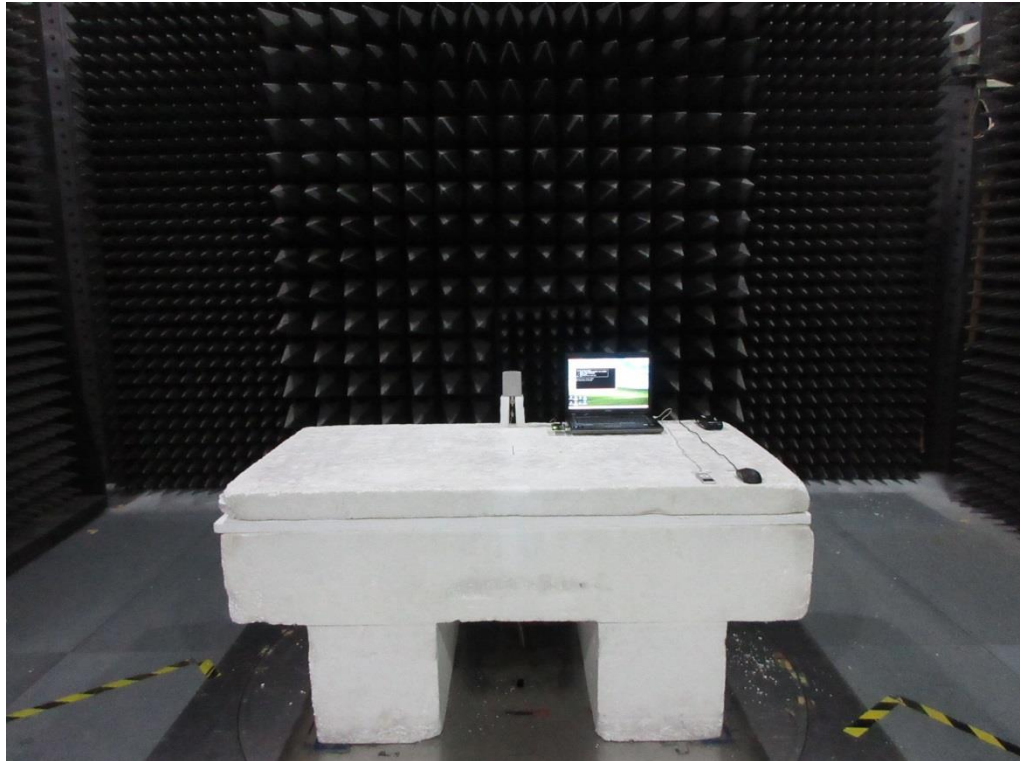
Rear view



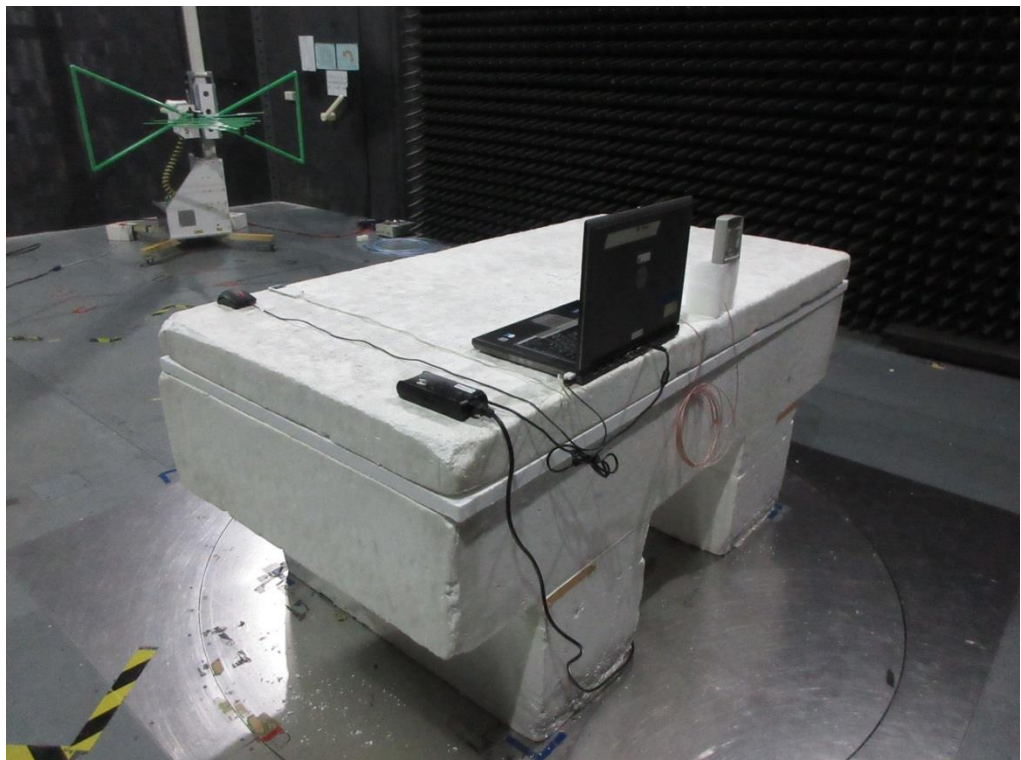
4. Photographs of Radiated Emissions Test Configuration – RX Mode

For radiated emissions 30MHz~1GHz

Front view

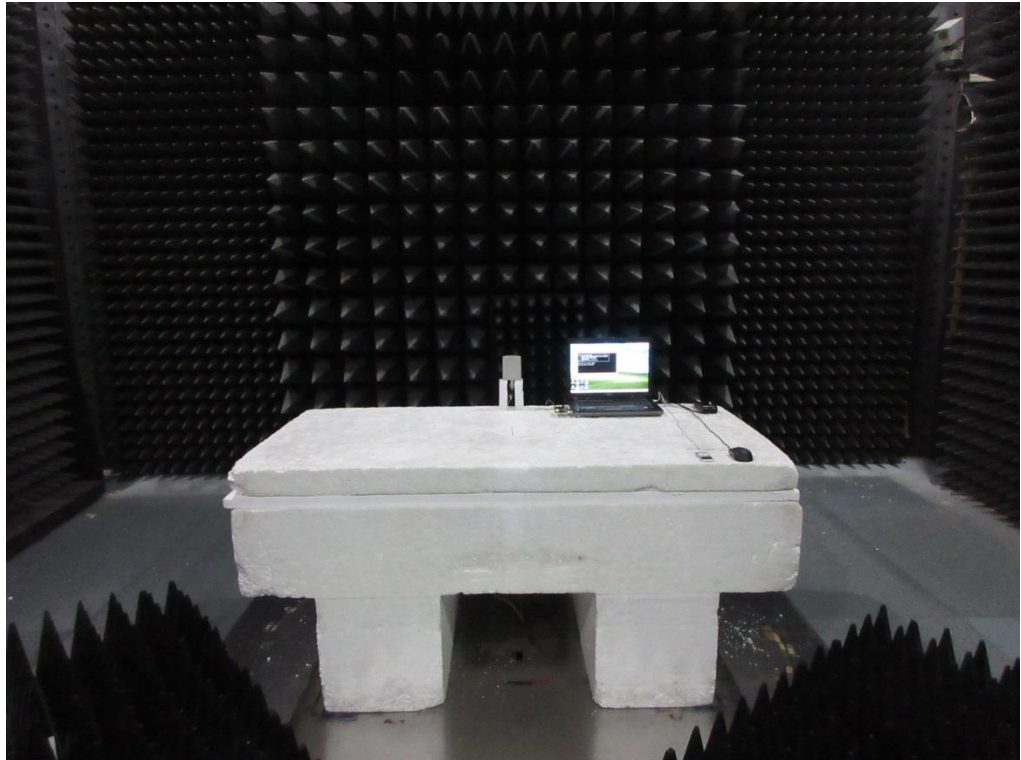


Rear view

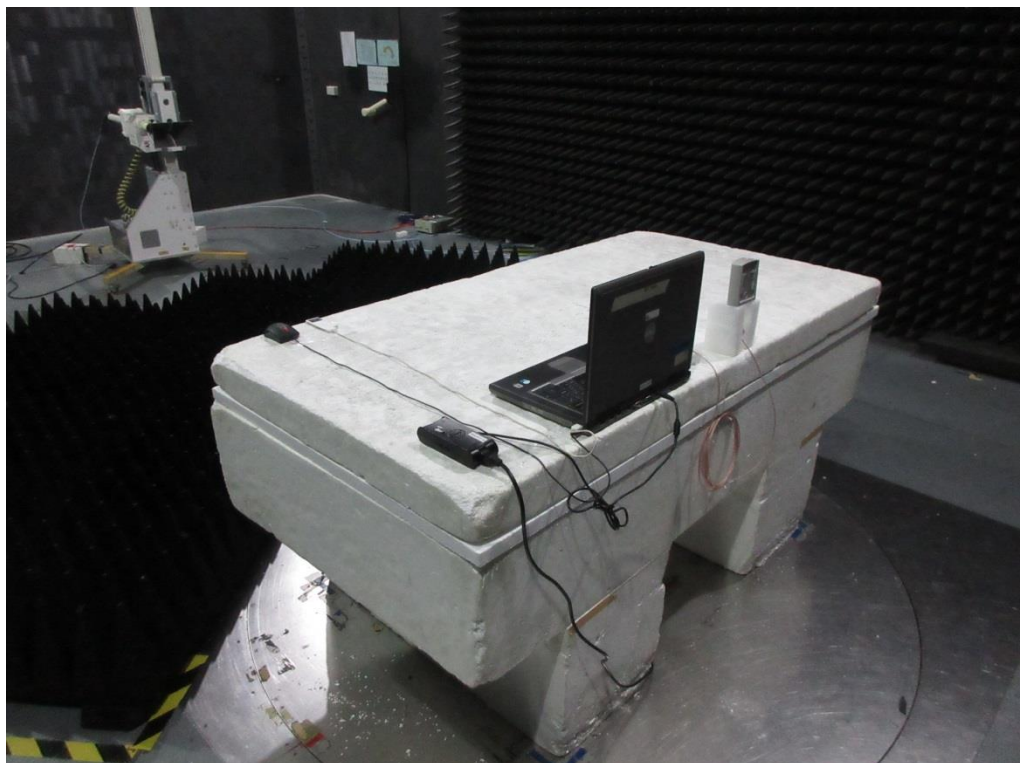


For radiated emissions above 1GHz

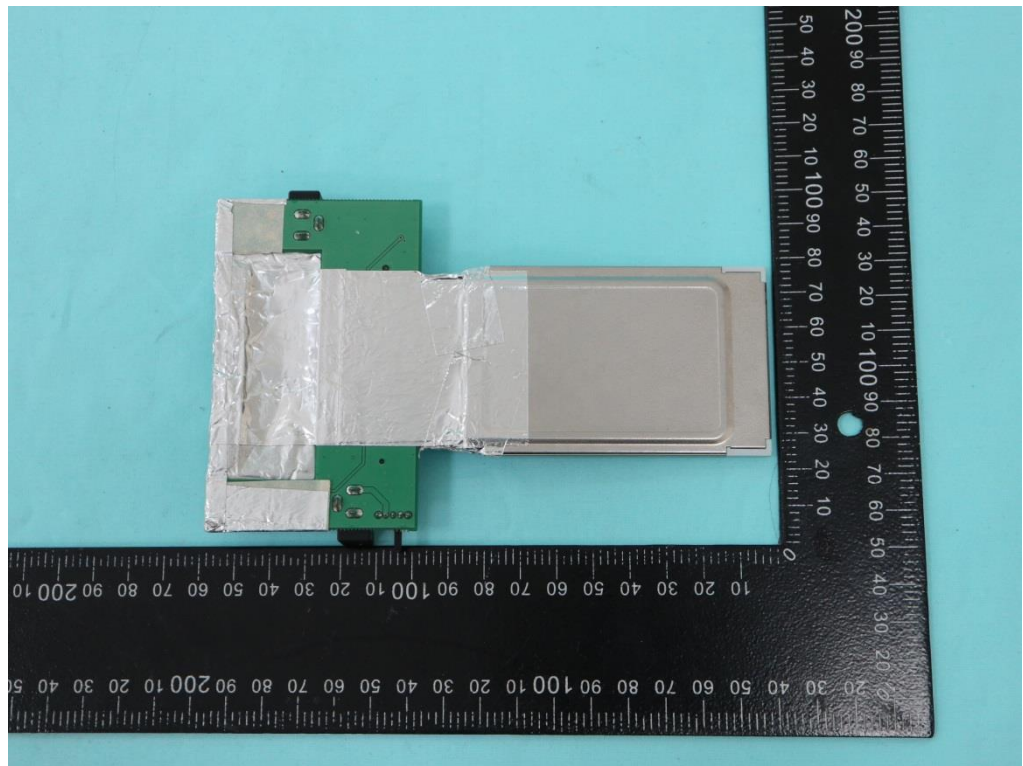
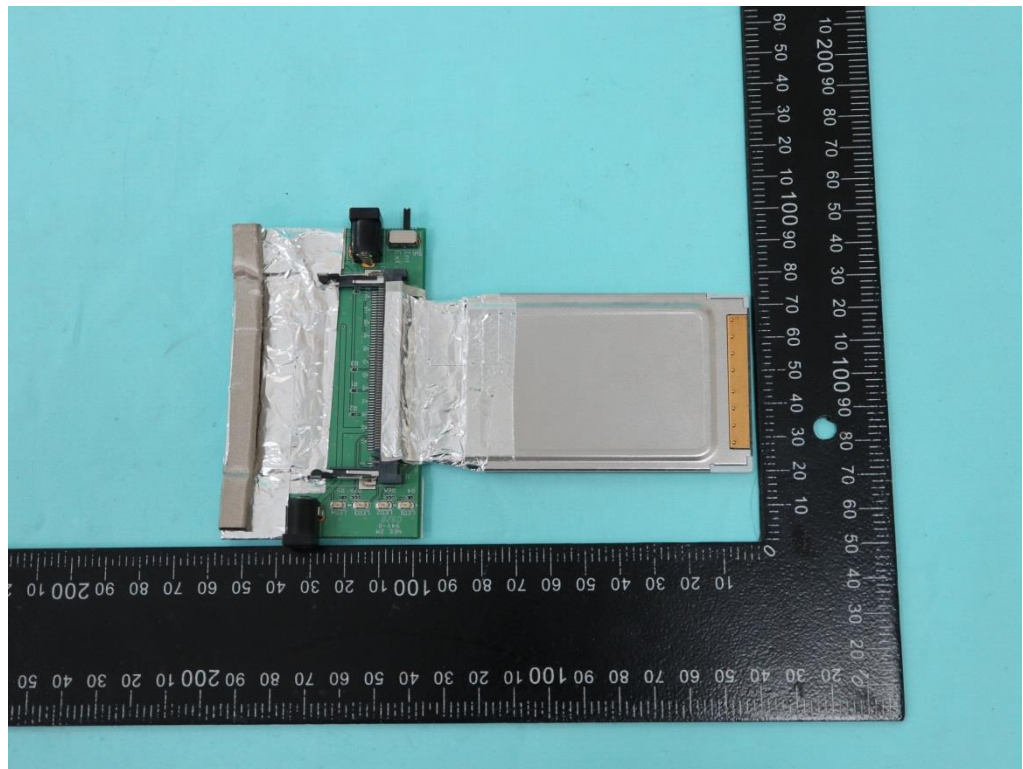
Front view



Rear view



Test fixture
ChiaHsi/
Cardbus to MiniPCI
Card



————THE END————