

FCC Test Report

Equipment : Mobile EFT-POS
Brand Name : AEVI
Model No. : bbbcd(bbb-custom version of device, e.g. P01 for CBA specific unit, 0-9, A-Z; c-Wifi or 3G+Wifi version of device, W or G;d-0-9)
FCC ID : OHBMTPT10WBG
Standard : 47 CFR FCC Part 15.247
Frequency : 2400 MHz – 2483.5 MHz
FCC Classification : DTS
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant : AAEON Technology Inc.
Manufacturer : 5F, No. 135, Lane 235, Pao Chiao Rd.,Taipei, Taiwan

The product sample received on May 10, 2016 and completely tested on Jun. 07, 2016. We, SPORTON, 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., the test report shall not be reproduced except in full.

Reviewed by:


Kevin Liang / Assistant Manager

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Appendix I. Test Result of AC Power-line Conducted Emissions

Appendix A. Test Result of Emission Bandwidth

Appendix B. Test Result of Maximum Conducted Output Power

Appendix C. Test Result of Power Spectral Density

Appendix D. Test Result of Emissions in Non-restricted Frequency Bands

Appendix E. Test Result of Emissions in Restricted Frequency Bands

Appendix F. Test Photos

Appendix G. Photographs of EUT

Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Fundamental Emission Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 20 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

[illegible]

1 General Description

1.1 Information

1.1.1 RF General Information

Band	Mode	BWch (MHz)	Nss-Min	Nant
2.4G	11b	20	1	1
2.4G	11g	20	1	1
2.4G	HT20	20	1,(M0-7)	1

Note:

- ♦ 2.4G is the 2.4GHz Band (2.4-2.4835GHz).
- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

Antenna Category	
☒	Integral antenna (antenna permanently attached)
☐	Temporary RF connector provided
☒	No temporary RF connector provided Transmit chains bypass antenna and soldered temporary RF connector provided for connected measurement. In case of conducted measurements the transmitter shall be connected to the measuring equipment via a suitable attenuator and correct for all losses in the RF path.
☐	External antenna (dedicated antennas)
☐	Single power level with corresponding antenna(s).
☐	Multiple power level and corresponding antenna(s).
☐	RF connector provided
☐	Unique antenna connector. (e.g., MMCX, U.FL, IPX, and RP-SMA, RP-N type...)
☐	Standard antenna connector. (e.g., SMA, N, BNC, and TNC type...)

Antenna General Information			
No.	Ant. Cat.	Ant. Type	Gain (dBi)
1	Integral	PCB	2

1.1.3 Type of EUT

Identify EUT	
EUT Serial Number	N/A
Presentation of Equipment	☒ Production ; ☐ Pre-Production ; ☐ Prototype
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	T(s)	VBW(Hz) $\geq 1/T$
11b	0.997	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
11g	0.98	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
HT20	0.979	1.313m	1k

1.1.5 EUT Operational Condition

Supply Voltage	☒ AC mains	☒ DC	
Type of DC Source	☐ Internal DC supply	☒ External AC adapter	☒ Battery

1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013
- ♦ FCC KDB 558074 D01 v03r05
- ♦ FCC KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location				
☒	HWA YA	ADD	No. 52, Hwa Ya 1st Rd., Hwa Ya Technology Park, Kwei-Shan District, Tao Yuan City, Taiwan, R.O.C.	
		TEL	886-3-327-3456	FAX : 886-3-318-0055

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Ryan	23°C / 56%	31/05/2016
RF Conducted	TH01-HY	Howard	23.5°C / 65%	23/05/2016
Radiated	03CH09-HY	Joe	22.2°C / 51.8%	22/05/2016

Test site registered number [553509] with FCC.

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))

Measurement Uncertainty		
Test Item		Uncertainty
AC power-line conducted emissions		±2.3 dB
Emission bandwidth, 6dB bandwidth		±0.6 %
RF output power, conducted		±0.1 dB
Power density, conducted		±0.6 dB
Unwanted emissions, conducted	9 – 150 kHz	±0.4 dB
	0.15 – 30 MHz	±0.4 dB
	30 – 1000 MHz	±0.6 dB
	1 – 18 GHz	±0.5 dB
	18 – 40 GHz	±0.5 dB
	40 – 200 GHz	N/A
All emissions, radiated	9 – 150 kHz	±2.5 dB
	0.15 – 30 MHz	±2.3 dB
	30 – 1000 MHz	±2.6 dB
	1 – 18 GHz	±3.6 dB
	18 – 40 GHz	±3.8 dB
	40 – 200 GHz	N/A
Temperature		±0.8 °C
Humidity		±5 %
DC and low frequency voltages		±0.9%
Time		±1.4 %
Duty Cycle		±0.6 %

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TN,VN	TN	20°C
	VN	110V
Radiated EMI	Remark	-
Charging Module+Charging Station	-	-
Pole mount	-	-
Printer only	-	-
Printer+Charging Station	-	-
Radiated RF	-	-
TX	-	-
Radiated Cabinet	Remark	-
Radiated Cabinet	Antenna Terminal	-
PAR	Abbreviation	Remark
-	-	-
Freq. Stability	Abbreviation	Remark
-	-	-

2.2 Test Channel Mode

Test Software Version	DOS
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Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Power Setting
2.4G	11b	20	1	1	2412	L	20000
2.4G	11b	20	1	1	2437	M	20000
2.4G	11b	20	1	1	2462	H	20000
2.4G	11g	20	1	1	2412	L	20000
2.4G	11g	20	1	1	2437	M	20000
2.4G	11g	20	1	1	2462	H	18500
2.4G	HT20	20	1,(M0-7)	1	2412	L	20000
2.4G	HT20	20	1,(M0-7)	1	2437	M	20000
2.4G	HT20	20	1,(M0-7)	1	2462	H	20000

Abbreviation Explanation

Band	Mode	BWch (MHz)	Nss-Min	Nant	Ch. (MHz)	Range	Test Cond.	Abbreviation
2.4G	HT20	20	1,(M0-15)	2	2412	L	TN,VN	2.4G;HT20;20;1,(M0-15);2;2412;L;TN,VN
2.4G	HT40	40	1,(M0-15)	2	2437	M	TN,VN	2.4G;HT40;40;1,(M0-15);2;2437;M;TN,VN

Note:

- ♦ Test range channel consist of L (Low Ch.), M (Middle Ch.), H (High Ch.), S (Single Ch).

2.3 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: 120Vac / 60Hz
Operating Mode	Operating Mode Description
1	Pole mount mode.
2	Simple Tablet mode.
3	Charging Module+Charging Station mode.
4	Printer+Charging Station mode.
5	Printer only mode.
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth, Fundamental Emission Output Power, Power Spectral Density, Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
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.		
User Position	☐ EUT will be placed in fixed position. ☐ EUT will be placed in mobile position and operating multiple positions. EUT shall be performed three orthogonal planes. ☒ EUT will be a hand-held or body-worn battery-powered devices and operating multiple positions. EUT shall be performed three orthogonal planes.		
Operating Mode < 1GHz	☒ 1. Pole mount mode. ☒ 2. Simple Tablet mode. ☒ 3. Charging Module+Charging Station mode. ☒ 4. Printer+Charging Station mode. ☒ 5. Printer only mode.		
For operating mode 1 is the worst case and it was record in this test report.			
Orthogonal Planes of EUT	X Plane 	Y Plane 	Z Plane 
Worst Planes of EUT			V

2.4 Accessories and Support Equipment

Support Local

No.	Equipment	Brand	Model	FCC ID
1	NOTE BOOK (x2)	DELL	E5540	DoC
2	AC adapter for NB	DELL	LA65NS2-01	DoC

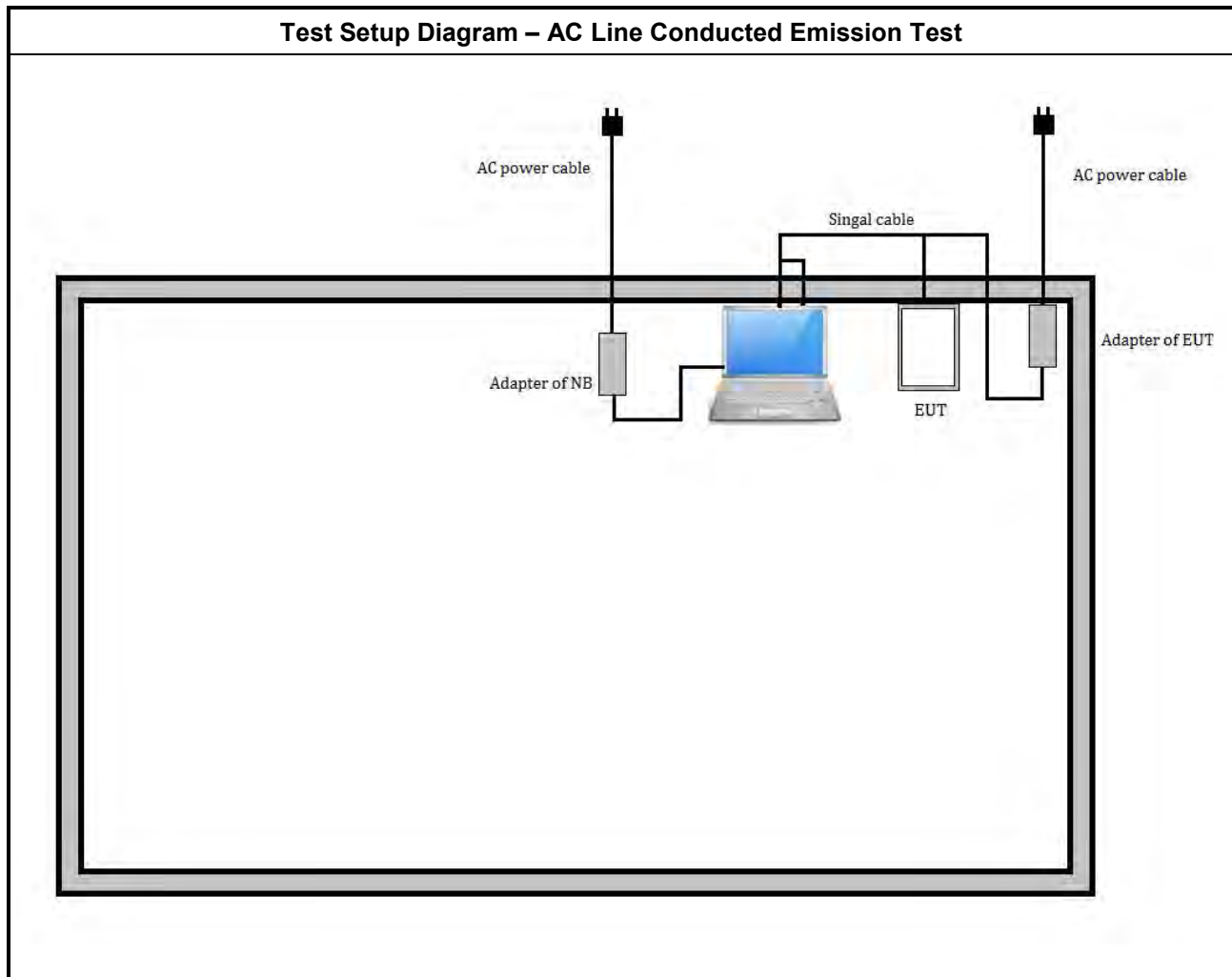
Support Remote

No.	Equipment	Brand	Model	FCC ID
-	-	-	-	-

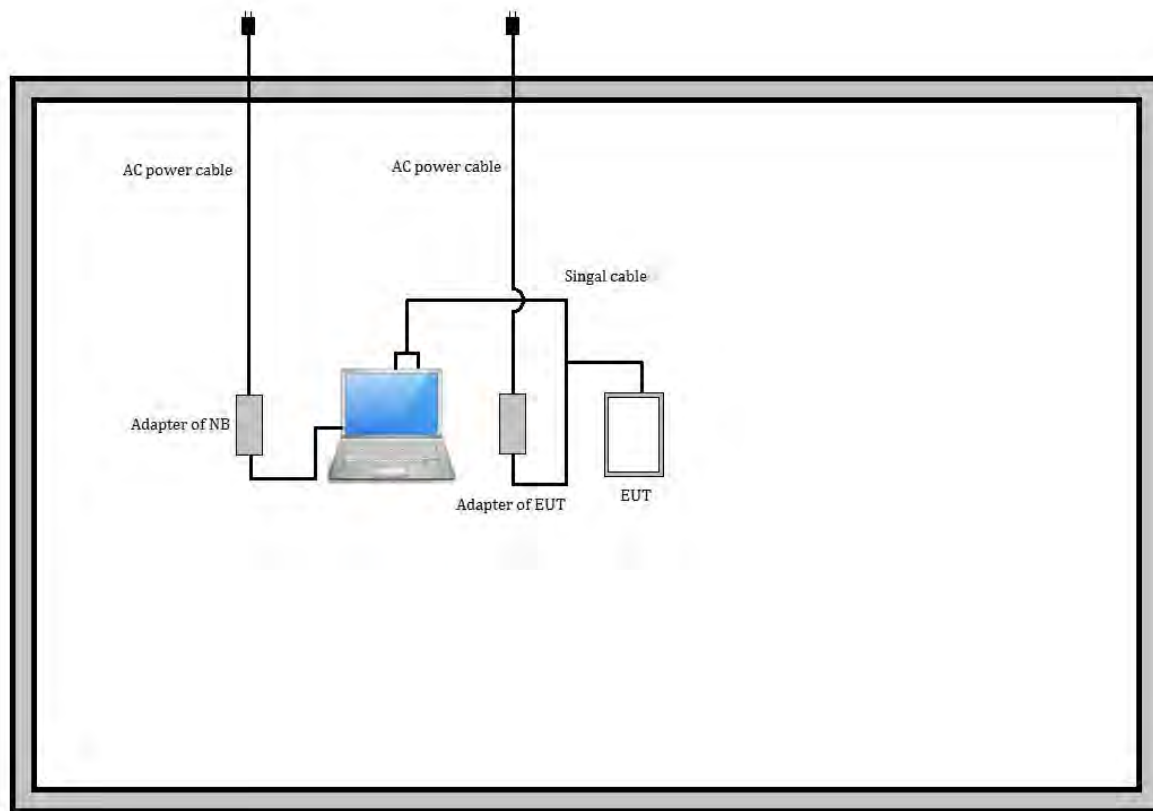
Accessories

AC Adapter 1	Brand Name	AOEM	Model Name	A0605TD-120054
	Power Rating	I/P:100-240Vac, 1.8A, O/P: 12Vdc, 5.4A		
	Power Cord	0.2 meter, non-shielded cable, with w/o ferrite core		
Battery 1	Brand Name	Aaeon	Model Name	POS-5000B
	Power Rating	7.4Vdc, 4540 mAh	Type	Li-ion,NCA103450
Power Extend cable	Brand Name	AOEM	Model Name	A0605TD-120054
	Signal Line	1.5 meter, non-shielded cable, w/o ferrite core		
Singal cable	Brand Name	FLYINGWAY	Model Name	FWAA513
	Signal Line	3.1 meter, Braided-Shielded cable, with two ferrite core		

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test



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.

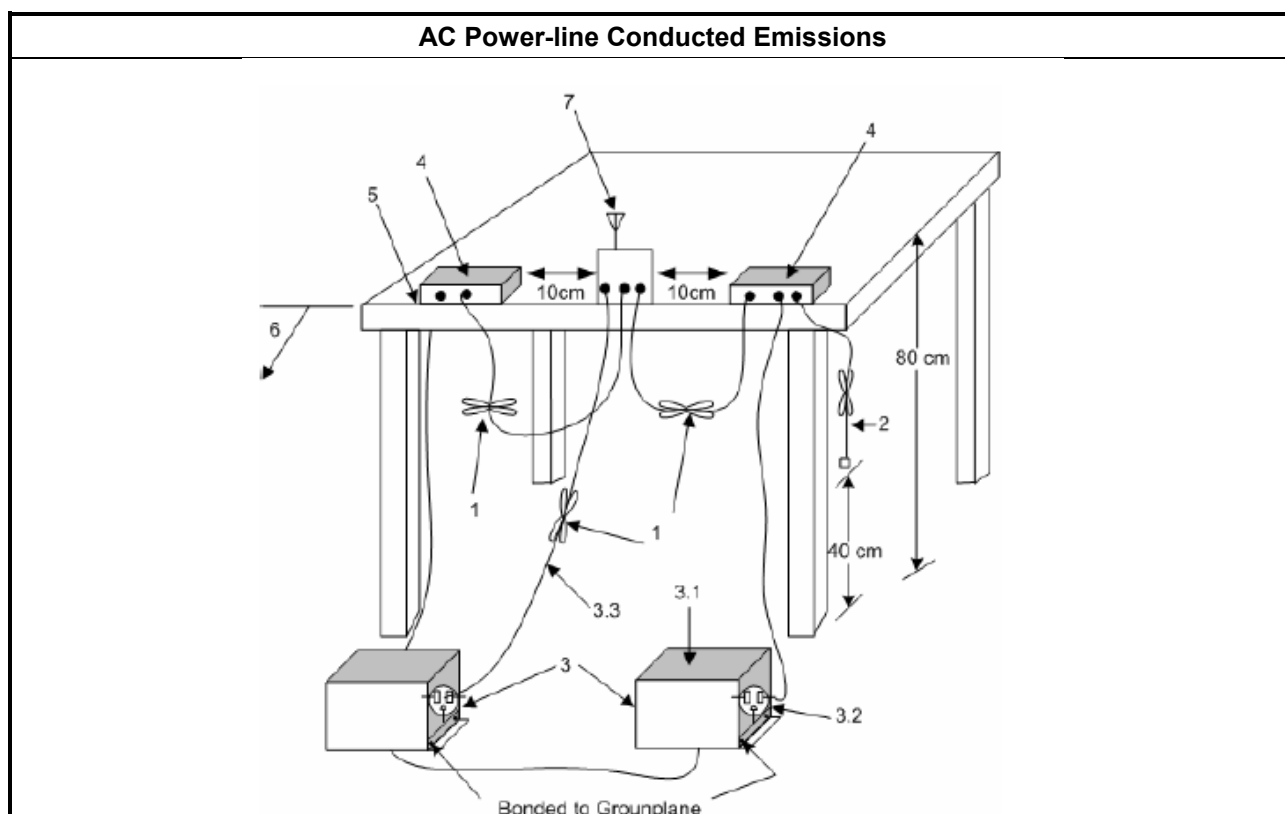
3.1.2 Measuring Instruments

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 Test Setup





3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix I

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

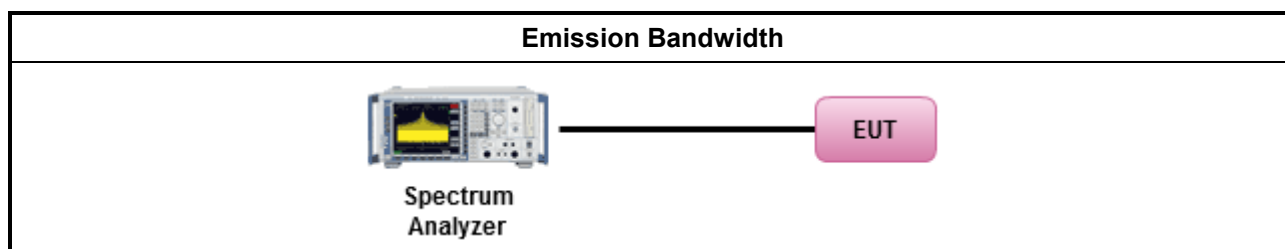
3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
☐	Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.3 Fundamental Emission Output Power

3.3.1 Fundamental Emission Output Power Limit

Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit	
2400-2483.5 MHz Band:	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
2400-2483.5 MHz Band	
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	Smart antenna system (SAS)
	- Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm.	

RF Output Power Limit - IC	
Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit and e.i.r.p.	
2400-2483.5 MHz Band:	
	Point-to-multipoint systems (P2M): $P_{Out} \leq 30$ dBm (1 W); $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): If $P_{eirp} > 36$ dBm, $G_{TX} \leq P_{Out}$
	Smart antenna system (SAS): If $P_{eirp} > 36$ dBm, $G_{TX} \leq P_{Out}$
	- Single beam: follow P2M, P2P limits - Overlap beam: follow P2M limit - Aggregate power on all beams: follow P2M limit + 8dB
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm.	

DTS-RF Output Power Limit	
Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit	
5725-5850 MHz Band:	
	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30$ dBm
e.i.r.p. Power Limit:	
5725-5850 MHz Band	
	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): N/A
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm.	

RF Output Power Limit - IC	
Maximum Peak Conducted Output Power or Maximum Conducted Output Power Limit and e.i.r.p.	
5725-5850 MHz Band:	
	Point-to-multipoint systems (P2M): $P_{Out} \leq 30$ dBm (1 W); $P_{eirp} \leq 36$ dBm (4 W)
	Point-to-point systems (P2P): If $P_{eirp} > 36$ dBm, $G_{TX} \leq P_{Out}$
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi. P_{eirp} = e.i.r.p. Power in dBm.	

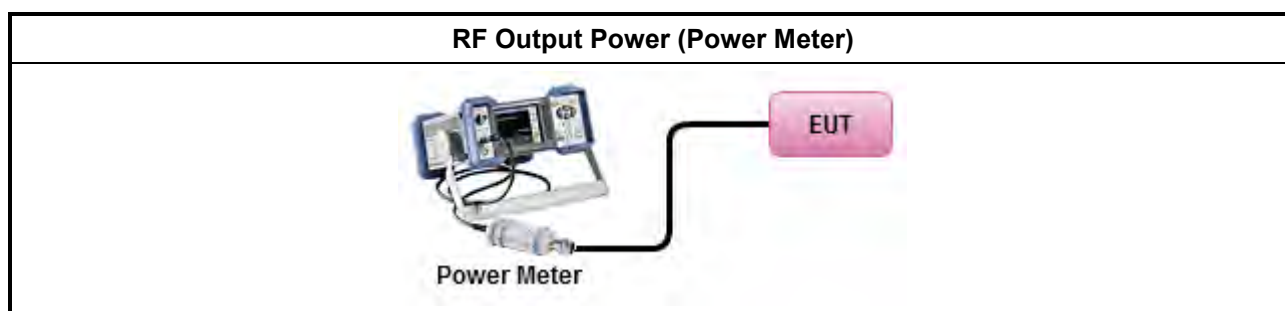
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
☐	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
Maximum Conducted Output Power	
[duty cycle ≥ 98% or external video / power trigger]	
☐	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☐	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
☐	Refer as FCC KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
RF power meter and average over on/off periods with duty factor or gated trigger	
☒	Refer as FCC KDB 558074, clause 9.2.3 Method AVGPM (using an RF average power meter).
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup





3.3.5 Test Result of Maximum Peak Conducted Output Power

Refer as Appendix B

3.3.6 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
Power Spectral Density (PSD) ≤ 8 dBm/3kHz

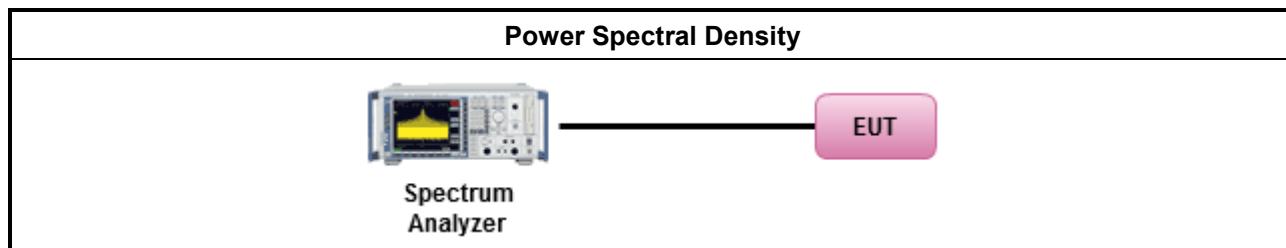
3.4.2 Measuring Instruments

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. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒ Refer as FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak). [duty cycle $\geq 98\%$ or external video / power trigger]
☐ Refer as FCC KDB 558074, clause 10.3 Method AVGPS-1 (spectral trace averaging).
☐ Refer as FCC KDB 558074, clause 10.4 Method AVGPS-2 (slow sweep speed) duty cycle $< 98\%$ and average over on/off periods with duty factor
☐ Refer as FCC KDB 558074, clause 10.5 Method AVGPS-1 Alt (spectral trace averaging).
☐ Refer as FCC KDB 558074, clause 10.6 Method AVGPS-2 Alt. (slow sweep speed)
For conducted measurement.
If The EUT supports multiple transmit chains using options given below:
☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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 N_{TX} 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.
☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐ Option 3: Measure and add $10 \log(N)$ dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with $10 \log(N)$. Or each transmit chains shall be add $10 \log(N)$ to compared with the limit.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix C

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

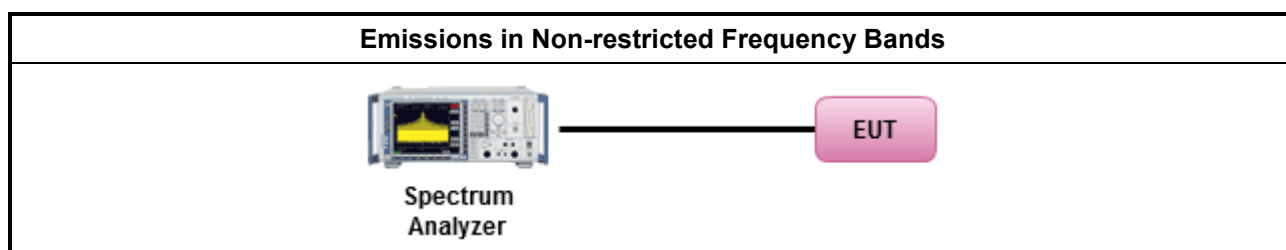
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
Refer as FCC KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup



3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band 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

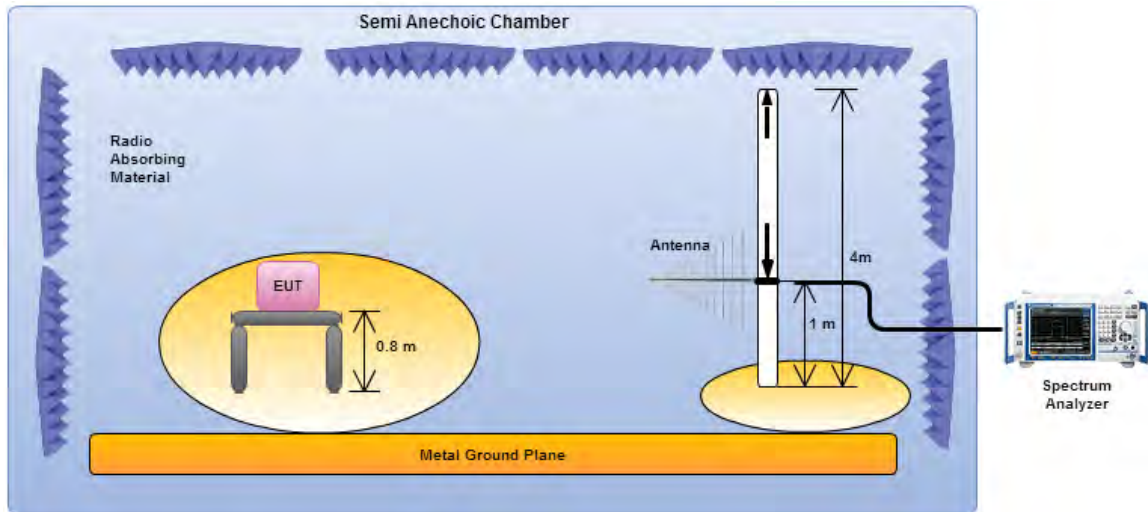
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.9.2.2 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq 98\%$)
	☐ Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
	☒ Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq 1/T$).
	☐ Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq 1/T$, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	☒ Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
For the transmitter band-edge emissions shall be measured using following options below:	
	Refer as FCC KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	Refer as FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.
	Refer as FCC KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
For conducted and cabinet radiation measurement, refer as FCC KDB 558074, clause 12.2.2.	
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add $10 \log(N)$ dB
	For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

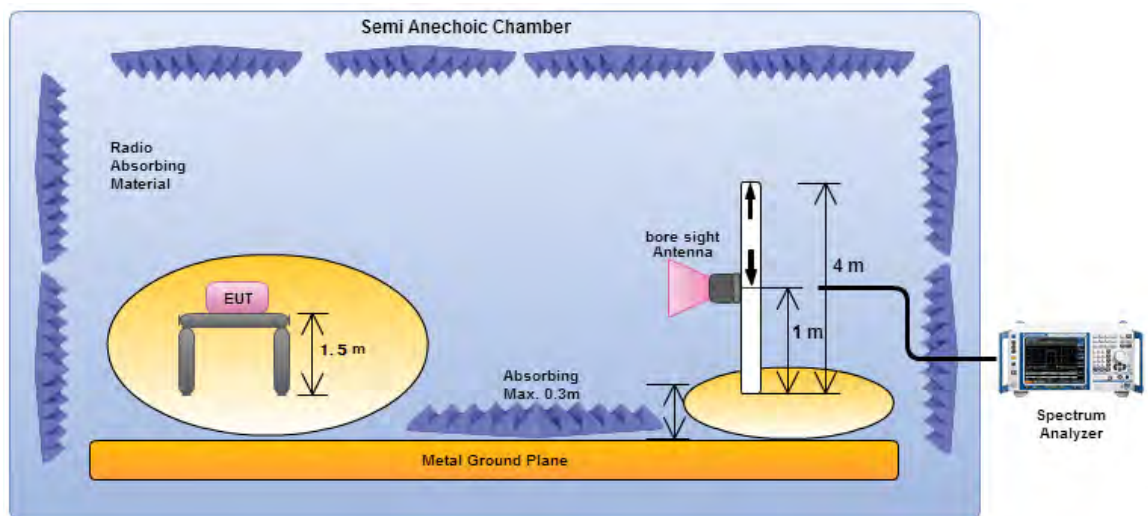
3.6.4 Test Setup

Transmitter Radiated Unwanted Emissions (below 1GHz)



Magnetic field tests shall be performed in the frequency range of 9 kHz to 30 MHz using a calibrated loop antenna. Electric field tests shall be performed in the frequency range of 30 MHz to 1000 MHz using a calibrated bi-log antenna.

Transmitter Radiated Unwanted Emissions (below 1GHz)



Electric field tests shall be performed in the frequency range of 1 GHz to 10th harmonic of highest fundamental frequency or 40 GHz using a calibrated horn antenna.

3.6.5 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

3.6.6 Transmitter Radiated Unwanted Emissions

Refer as Appendix E.1~E.2

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Until	Remark
Spectrum Analyzer	R&S	FSV 40	101500	9KHz~40GHz	May 12, 2016	May 11, 2017	TH01-HY
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	Jul. 28, 2015	Jul. 27, 2016	TH01-HY
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	Feb. 04 ,2016	Feb. 03 ,2017	TH01-HY
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	Feb. 04, 2016	Feb. 03, 2017	TH01-HY

Instrument for Radiated Test

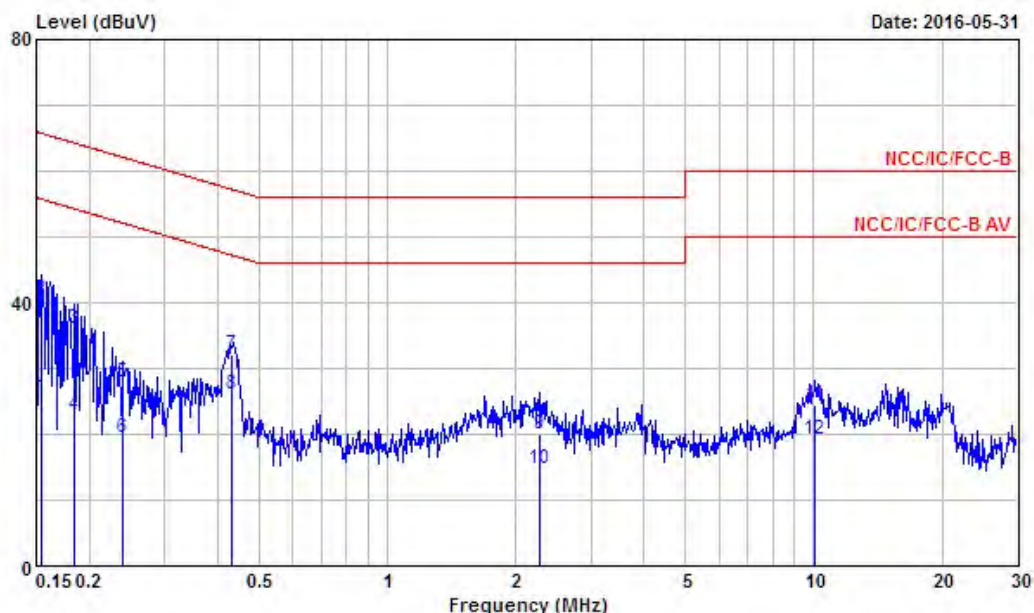
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Until	Remark
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz 3m	May 14, 2016	May 13, 2017	03CH03-HY
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz 3m	Jul. 01, 2015	Jun. 30, 2016	03CH03-HY
Amplifier	EMC	EMC913 5	980232	9kHz ~ 1.0GHz	Jan. 29, 2016	Jan. 28, 2017	03CH03-HY
Amplifier	Agilent	8449B	3008A02096	1GHz ~ 26.5GHz	Apr.11.2016	Apr.10.2017	03CH03-HY
Spectrum	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	Jul. 15, 2015	Jul. 14, 2016	03CH03-HY
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL 6111D & MTJ6102	35418	30MHz ~ 1GHz	Mar. 31, 2016	Mar. 30, 2017	03CH03-HY
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1534	1GHz ~ 18GHz	Apr. 22, 2016	Apr. 21, 2017	03CH03-HY
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170614	18GHz ~ 40GHz	Jan. 04, 2016	Jan. 03, 2017	03CH03-HY

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Until	Remark
EMC Receiver	KETSIGHT	N9038A	MY54130031	20Hz ~ 8.4GHz	Apr. 14, 2016	Apr. 13, 2017	CO04-HY
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	Jan. 26, 2016	Jan. 25, 2017	CO04-HY
LISN (Support Unit)	R&S	ENV216	101295	9kHz ~ 30MHz	Nov. 04, 2015	Nov. 03, 2016	CO04-HY
RF Cable-CON	HUBER+SUHNER	RG213/U	076118320200 01	9kHz ~ 30MHz	Oct. 30, 2015	Oct. 29, 2016	CO04-HY
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	NCR	NCR	CO04-HY
EMC Receiver	KETSIGHT	N9038A	MY54130031	20Hz ~ 8.4GHz	Apr. 14, 2016	Apr. 13, 2017	CO04-HY

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Neutral
Operating Function	Pole mount mode.		



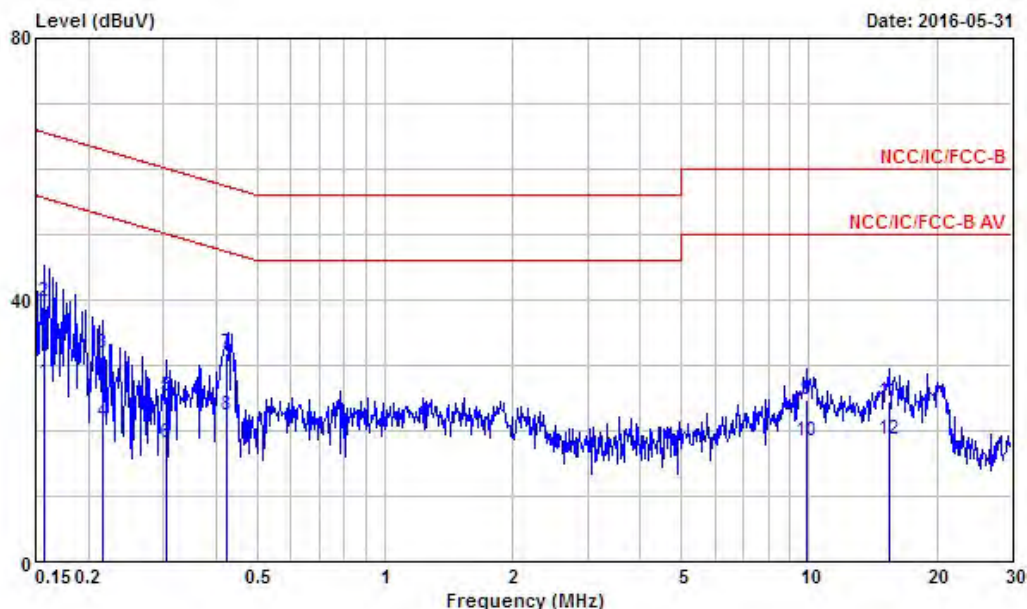
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.1540270	25.47	-30.31	55.78	25.15	0.10	0.22	Average
2	0.1540270	40.56	-25.22	65.78	40.24	0.10	0.22	QP
3	0.1844300	35.98	-28.30	64.28	35.59	0.11	0.28	QP
4	0.1844300	22.88	-31.40	54.28	22.49	0.11	0.28	Average
5	0.2391010	27.88	-34.25	62.13	27.52	0.11	0.25	QP
6	0.2391010	19.40	-32.73	52.13	19.04	0.11	0.25	Average
7	0.4319090	32.00	-25.22	57.22	31.78	0.12	0.10	QP
8	0.4319090	26.12	-21.10	47.22	25.90	0.12	0.10	Average
9	2.270	19.89	-36.11	56.00	19.47	0.16	0.26	QP
10	2.270	14.63	-31.37	46.00	14.21	0.16	0.26	Average
11	10.070	24.43	-35.57	60.00	23.95	0.28	0.20	QP
12	10.070	19.32	-30.68	50.00	18.84	0.28	0.20	Average

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	Pole mount mode.		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.1564950	27.48	-28.17	55.65	27.14	0.11	0.23	Average
2	0.1564950	39.83	-25.82	65.65	39.49	0.11	0.23	QP
3	0.2162030	31.73	-31.23	62.96	31.34	0.11	0.28	QP
4	0.2162030	21.20	-31.76	52.96	20.81	0.11	0.28	Average
5	0.3050910	25.22	-34.88	60.10	24.92	0.12	0.18	QP
6	0.3050910	18.10	-32.00	50.10	17.80	0.12	0.18	Average
7	0.4237480	31.84	-25.53	57.37	31.62	0.12	0.10	QP
8	0.4237480	22.37	-25.00	47.37	22.15	0.12	0.10	Average
9	9.910	24.83	-35.17	60.00	24.37	0.26	0.20	QP
10	9.910	18.34	-31.66	50.00	17.88	0.26	0.20	Average
11	15.390	24.38	-35.62	60.00	23.86	0.32	0.20	QP
12	15.390	18.57	-31.43	50.00	18.05	0.32	0.20	Average

Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.

Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)



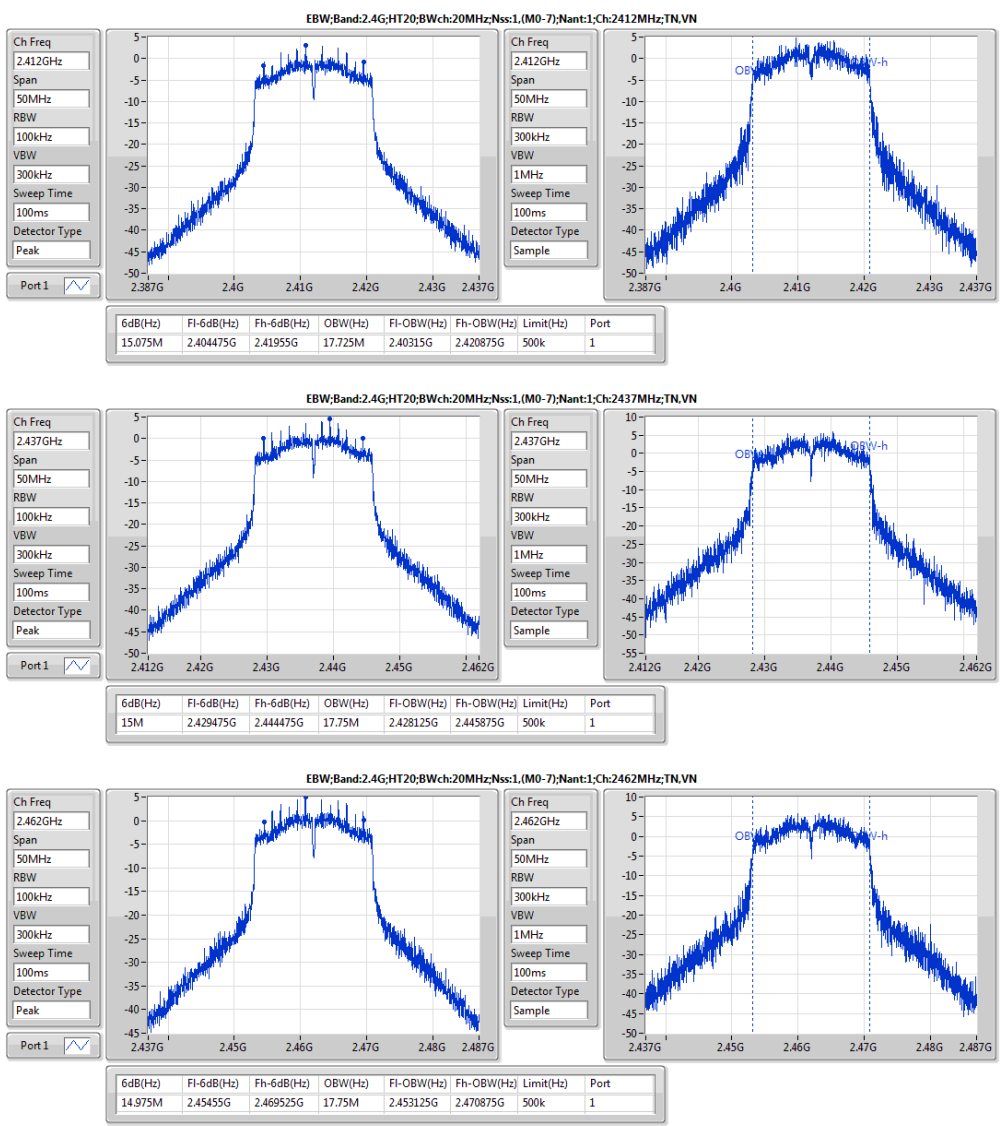
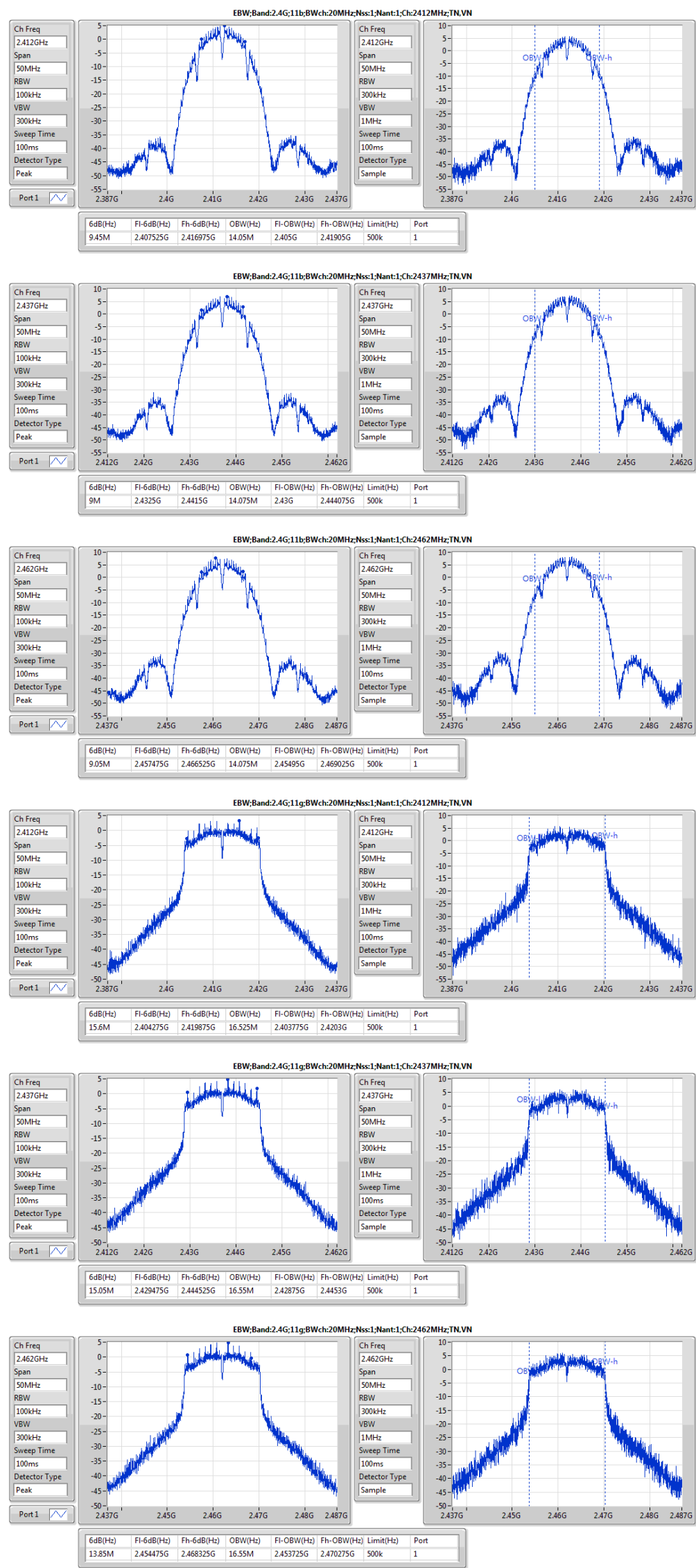
Summary

Mode	N dB (Hz)	OBW (Hz)	ITU-Code
2.4G;11b;20;1;1	9.45M	14.075M	14M1G1D
2.4G;11g;20;1;1	15.6M	16.55M	16M5D1D
2.4G;HT20;20;1;(M0-7);1	15.075M	17.75M	17M7D1D



Result

Mode	Result	Limit	P1-N dB (Hz)	P1-OBW (Hz)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	500k	9.45M	14.05M
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	500k	9M	14.075M
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	500k	9.05M	14.075M
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	500k	15.6M	16.525M
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	500k	15.05M	16.55M
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	500k	13.85M	16.55M
2.4G;HT20;20;1;(M0-7);1;2412;L;TN,VN	Pass	500k	15.075M	17.725M
2.4G;HT20;20;1;(M0-7);1;2437;M;TN,VN	Pass	500k	15M	17.75M
2.4G;HT20;20;1;(M0-7);1;2462;H;TN,VN	Pass	500k	14.975M	17.75M





Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;20;1;1	19.54	0.08995	21.54	0.14256
2.4G;11g;20;1;1	22.33	0.171	24.33	0.27102
2.4G;HT20;20;1,(M0-7);1	22.31	0.17022	24.31	0.26977

Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP Lim. (dBm)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	2.00	19.00	36.00	17.00	30.00	17.00
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	2.00	20.77	36.00	18.77	30.00	18.77
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	2.00	21.54	36.00	19.54	30.00	19.54
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	2.00	24.33	36.00	22.33	30.00	22.33
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	2.00	24.31	36.00	22.31	30.00	22.31
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	2.00	24.01	36.00	22.01	30.00	22.01
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	2.00	24.31	36.00	22.31	30.00	22.31
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	2.00	24.21	36.00	22.21	30.00	22.21
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	2.00	24.04	36.00	22.04	30.00	22.04



Summary

Mode	Sum (dBm)	Sum (W)	EIRP (dBm)	EIRP (W)
2.4G;11b;20;1;1	17.22	0.05272	19.22	0.08356
2.4G;11g;20;1;1	15.69	0.03707	17.69	0.05875
2.4G;HT20;20;1,(M0-7);1	15.69	0.03707	17.69	0.05875

Result

Mode	Result	DG (dBi)	EIRP (dBm)	EIRP Lim. (dBm)	Sum (dBm)	Sum Lim. (dBm)	P1 (dBm)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	2.00	16.79	36.00	14.79	30.00	14.79
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	2.00	18.49	36.00	16.49	30.00	16.49
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	2.00	19.22	36.00	17.22	30.00	17.22
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	2.00	16.82	36.00	14.82	30.00	14.82
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	2.00	17.69	36.00	15.69	30.00	15.69
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	2.00	17.63	36.00	15.63	30.00	15.63
2.4G;HT20;20;1,(M0-7);1;2412;L;TN,VN	Pass	2.00	16.02	36.00	14.02	30.00	14.02
2.4G;HT20;20;1,(M0-7);1;2437;M;TN,VN	Pass	2.00	16.99	36.00	14.99	30.00	14.99
2.4G;HT20;20;1,(M0-7);1;2462;H;TN,VN	Pass	2.00	17.69	36.00	15.69	30.00	15.69



Summary

Mode	PD (dBm/RBW)	EIRP.PD (dBm/RBW)
2.4G;11b;20;1;1	-6.77	-4.77
2.4G;11g;20;1;1	-8.87	-6.87
2.4G;HT20;20;1,(M0-7);1	-10.36	-8.36



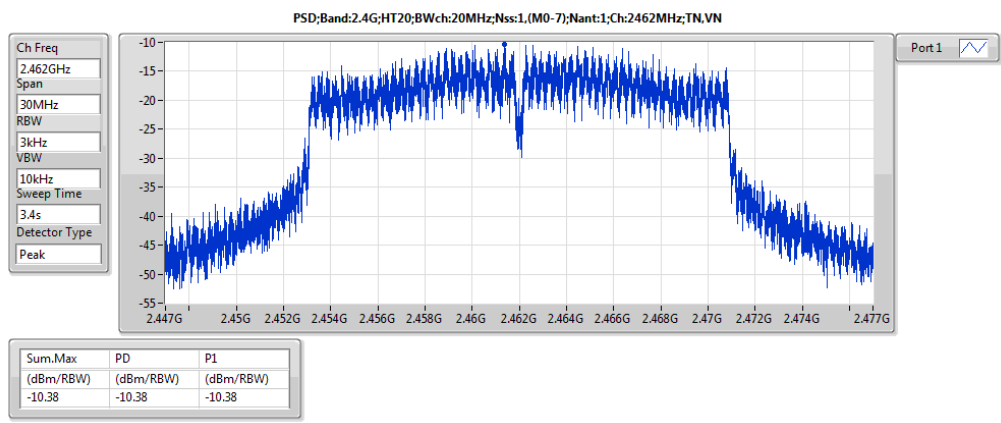
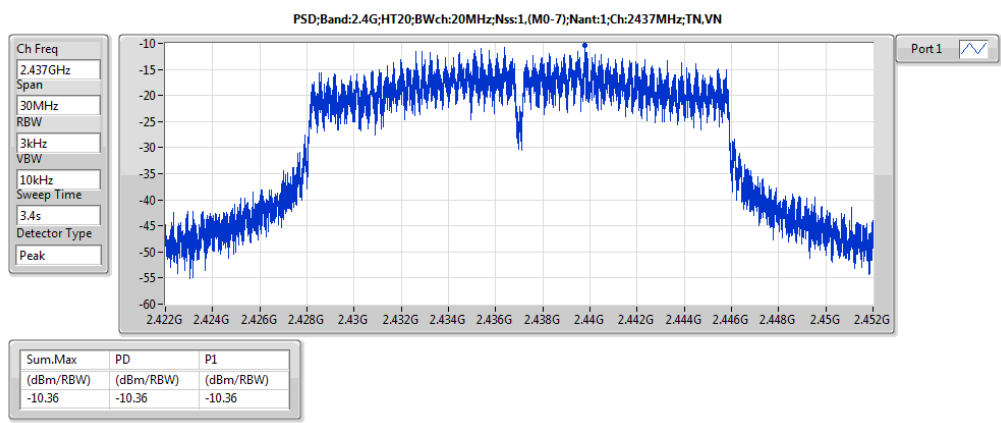
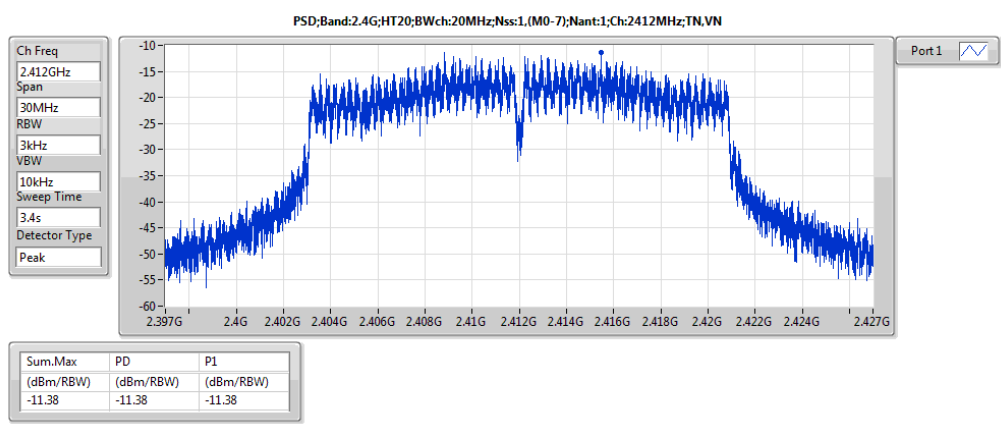
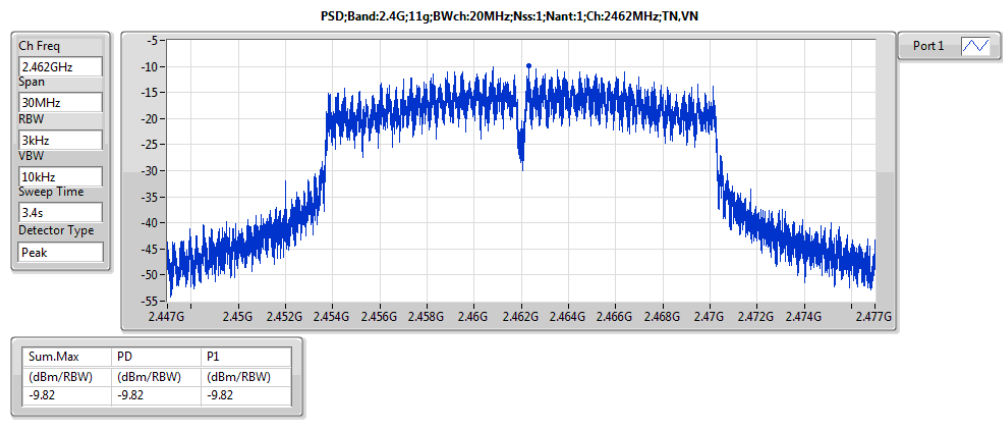
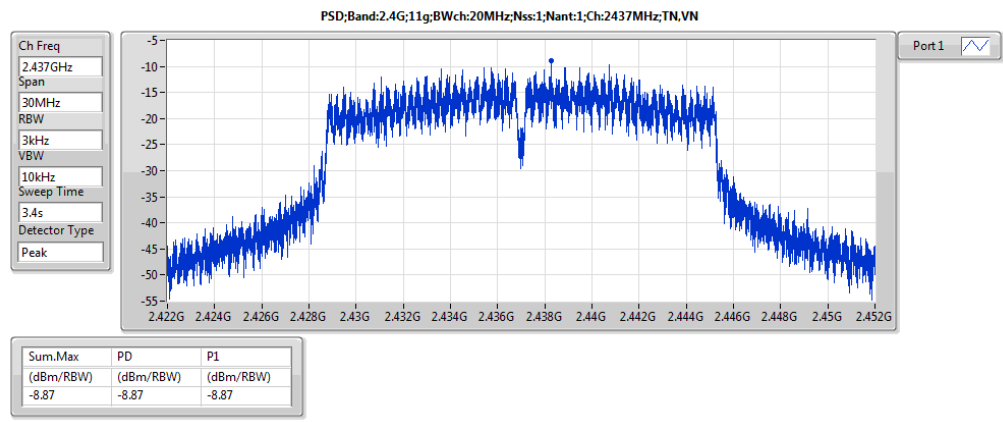
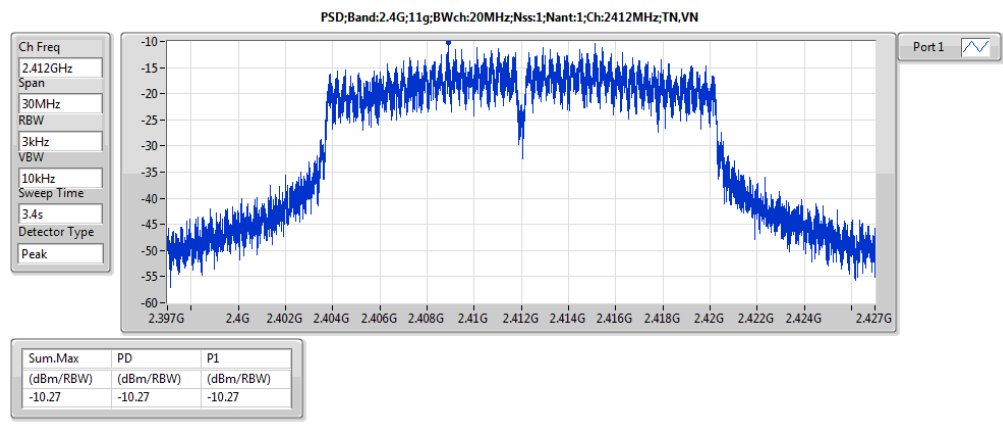
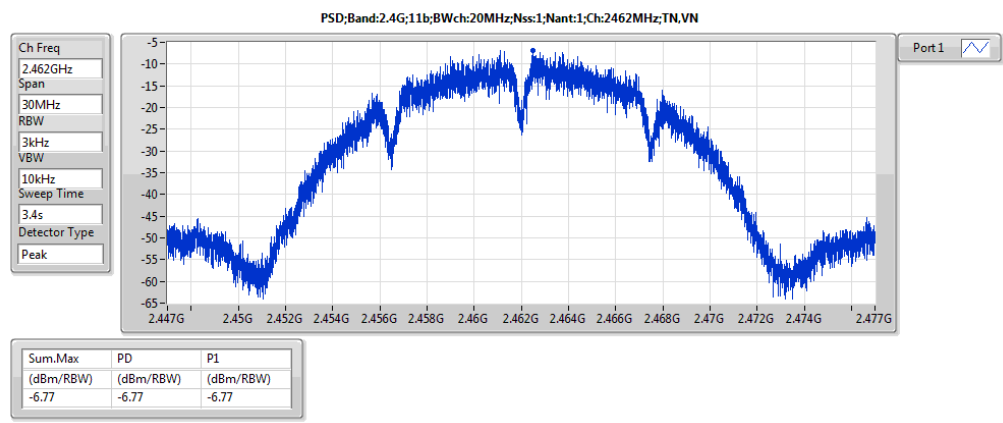
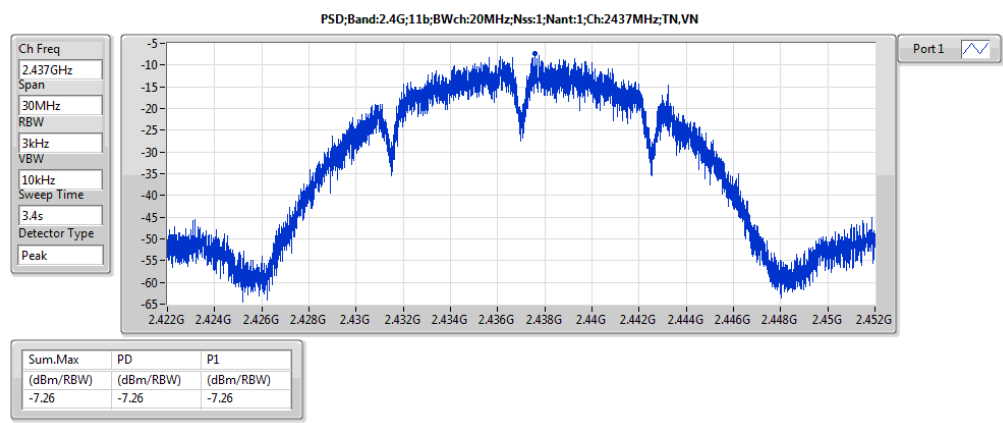
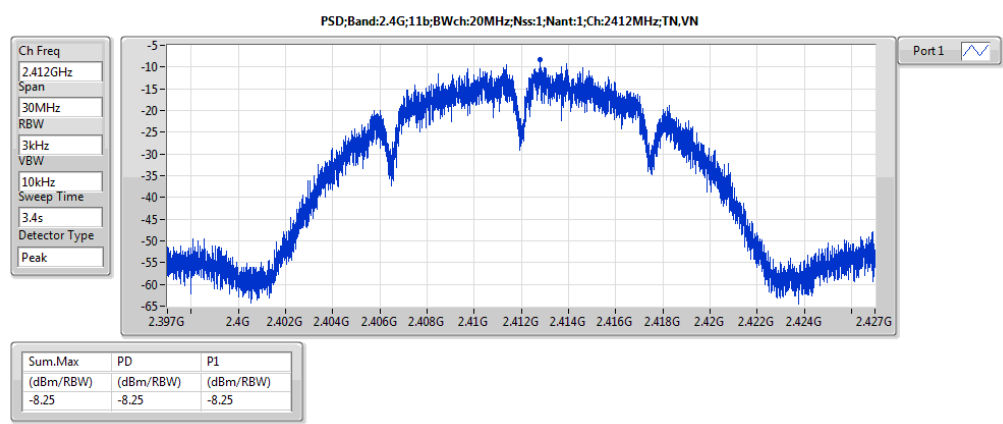
Result

Mode	Result	Meas.RBW (Hz)	Lim.RBW (Hz)	BWCF (dB)	DG (dBi)	Sum.Max (dBm/RBW)	PD (dBm/RBW)	PD.Limit (dBm/RBW)	EIRP.PD (dBm/RBW)	EIRP.PD.Li m (dBm/RBW)	P1 (dBm/RBW)
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	3k	3k	0.00	2.00	-8.25	-8.25	8.00	-6.25	Inf	-8.25
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	3k	3k	0.00	2.00	-7.26	-7.26	8.00	-5.26	Inf	-7.26
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	3k	3k	0.00	2.00	-6.77	-6.77	8.00	-4.77	Inf	-6.77
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	3k	3k	0.00	2.00	-10.27	-10.27	8.00	-8.27	Inf	-10.27
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	3k	3k	0.00	2.00	-8.87	-8.87	8.00	-6.87	Inf	-8.87
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	3k	3k	0.00	2.00	-9.82	-9.82	8.00	-7.82	Inf	-9.82
2.4G;HT20;20;1;(M0-7);1;2412;L;TN,VN	Pass	3k	3k	0.00	2.00	-11.38	-11.38	8.00	-9.38	Inf	-11.38
2.4G;HT20;20;1;(M0-7);1;2437;M;TN,VN	Pass	3k	3k	0.00	2.00	-10.36	-10.36	8.00	-8.36	Inf	-10.36
2.4G;HT20;20;1;(M0-7);1;2462;H;TN,VN	Pass	3k	3k	0.00	2.00	-10.38	-10.38	8.00	-8.38	Inf	-10.38



PSD Result

Appendix C





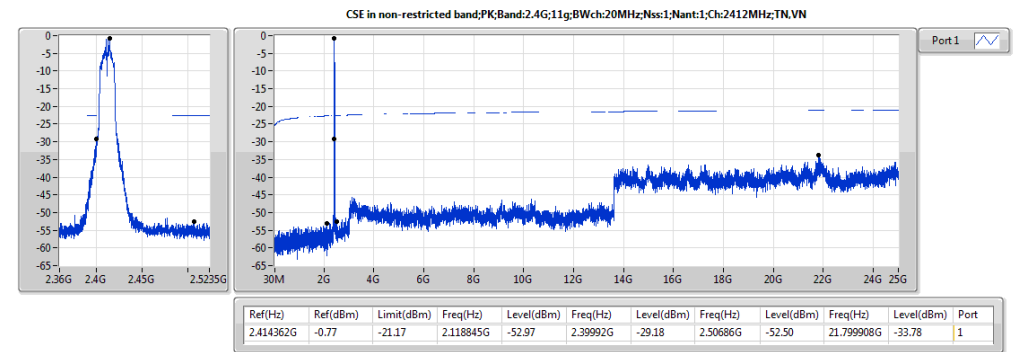
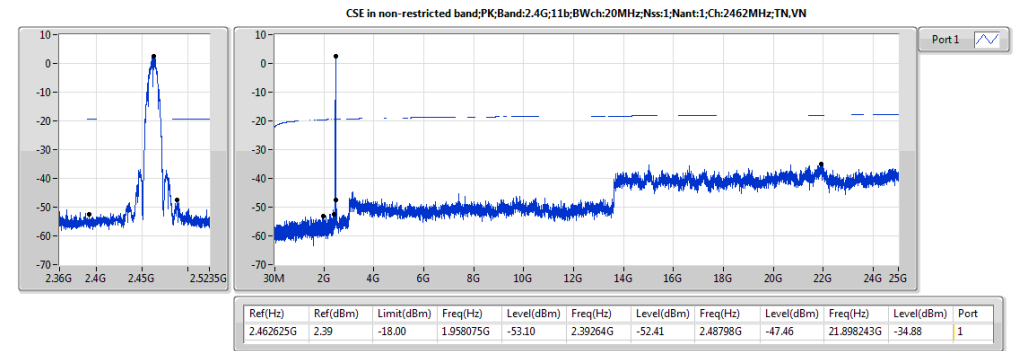
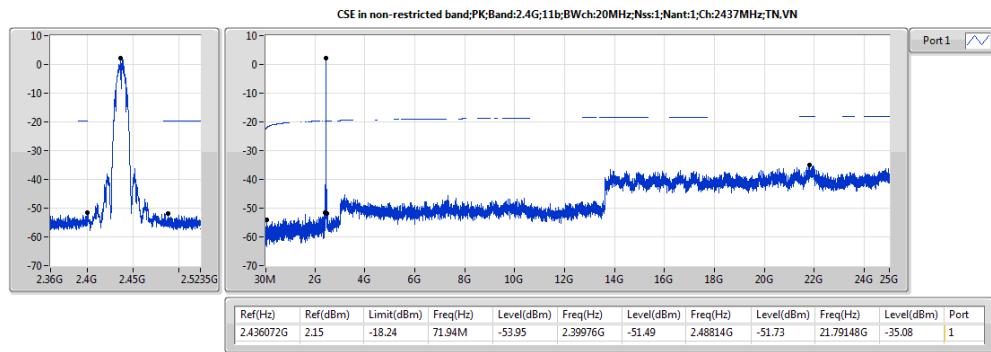
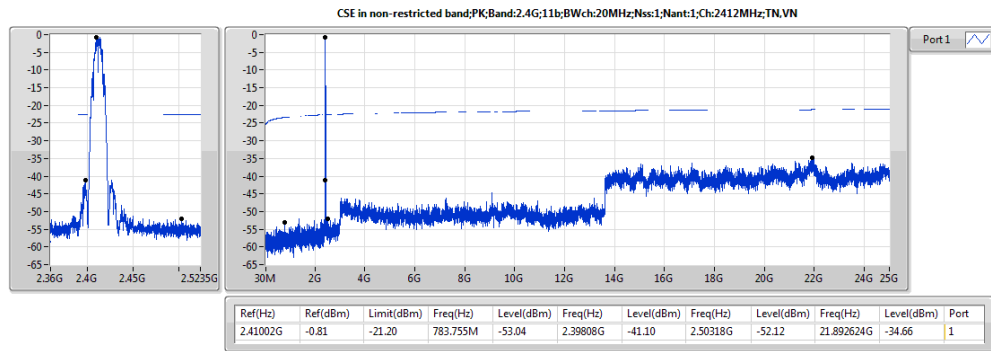
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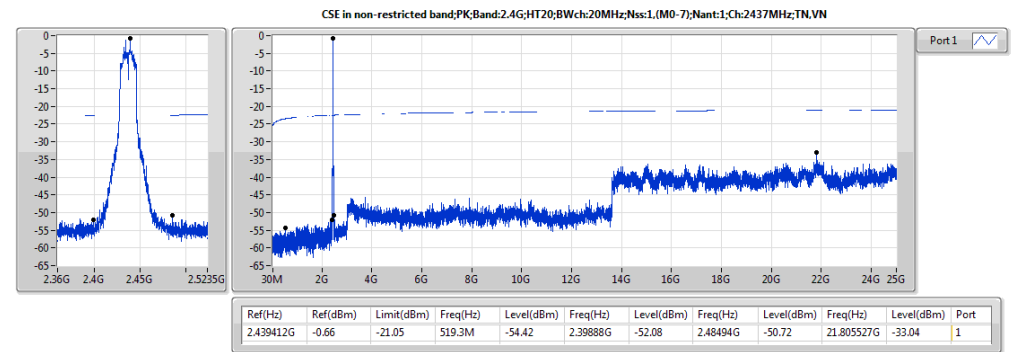
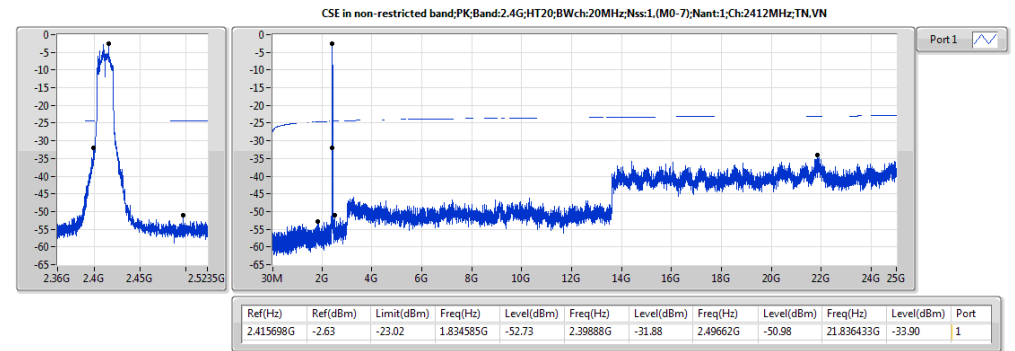
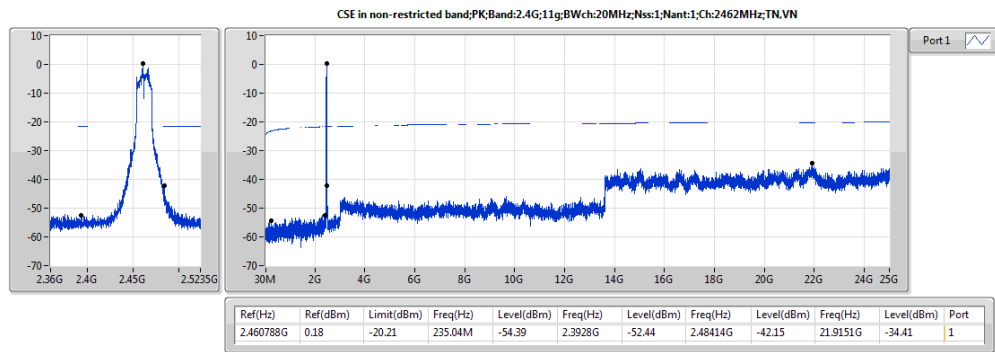
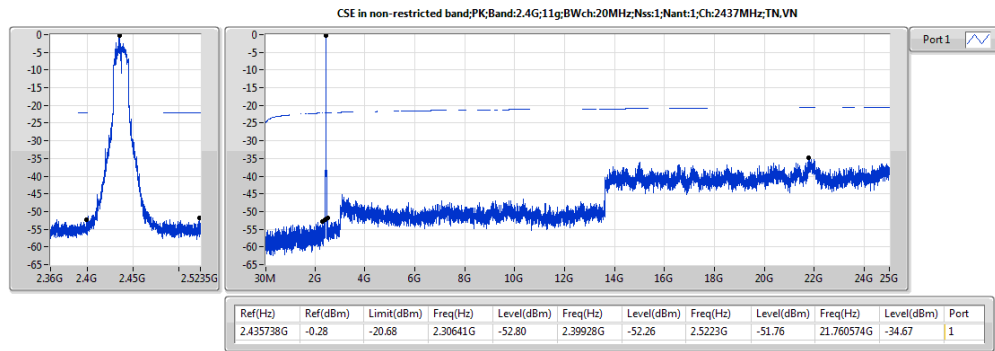
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	2.414362G	-0.77	-21.17	2.118845G	-52.97	2.39992G	-29.18	2.50686G	-52.50	21.799908G	-33.78	1



Result

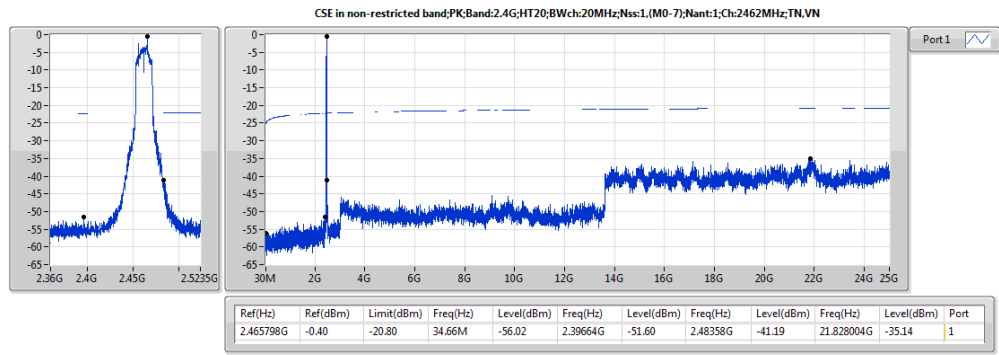
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4G;11b;20;1;1;2412;L;TN,VN	Pass	2.41002G	-0.81	-20.81	783.755M	-53.04	2.39808G	-41.10	2.50318G	-52.12	21.892624G	-34.66	1
2.4G;11b;20;1;1;2437;M;TN,VN	Pass	2.436072G	2.15	-17.85	71.94M	-53.95	2.39976G	-51.49	2.48814G	-51.73	21.79148G	-35.08	1
2.4G;11b;20;1;1;2462;H;TN,VN	Pass	2.462625G	2.39	-17.61	1.958075G	-53.10	2.39264G	-52.41	2.48798G	-47.46	21.898243G	-34.88	1
2.4G;11g;20;1;1;2412;L;TN,VN	Pass	2.414362G	-0.77	-20.77	2.118845G	-52.97	2.39992G	-29.18	2.50686G	-52.50	21.799908G	-33.78	1
2.4G;11g;20;1;1;2437;M;TN,VN	Pass	2.435738G	-0.28	-20.28	2.30641G	-52.80	2.39928G	-52.26	2.5223G	-51.76	21.760574G	-34.67	1
2.4G;11g;20;1;1;2462;H;TN,VN	Pass	2.460788G	0.18	-19.82	235.04M	-54.39	2.3928G	-52.44	2.48414G	-42.15	21.9151G	-34.41	1
2.4G;HT20;20;1;(M0-7);1;2412;L;TN,VN	Pass	2.415698G	-2.63	-22.63	1.834585G	-52.73	2.39888G	-31.88	2.49662G	-50.98	21.836433G	-33.90	1
2.4G;HT20;20;1;(M0-7);1;2437;M;TN,VN	Pass	2.439412G	-0.66	-20.66	519.3M	-54.42	2.39888G	-52.08	2.48494G	-50.72	21.805527G	-33.04	1
2.4G;HT20;20;1;(M0-7);1;2462;H;TN,VN	Pass	2.465798G	-0.40	-20.40	34.66M	-56.02	2.39664G	-51.60	2.48358G	-41.19	21.828004G	-35.14	1







CSEndB Result





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	QP	340.4M	43.92	46.00	-2.08	-15.46	3	H	NaN	NaN	-



Result

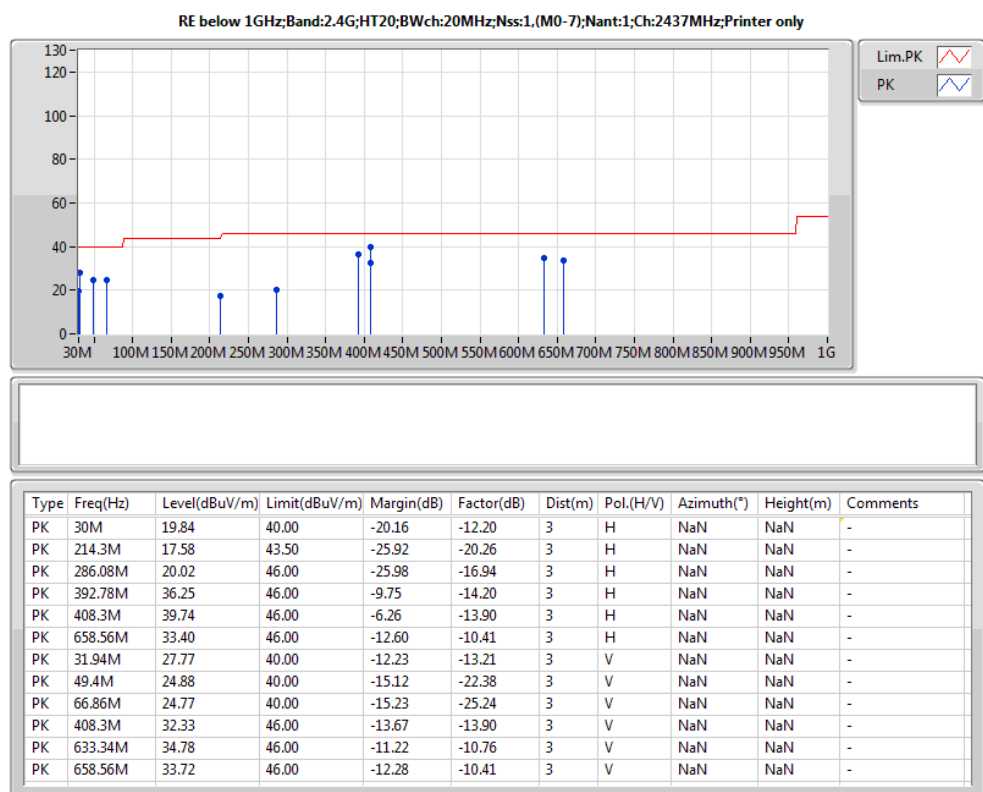
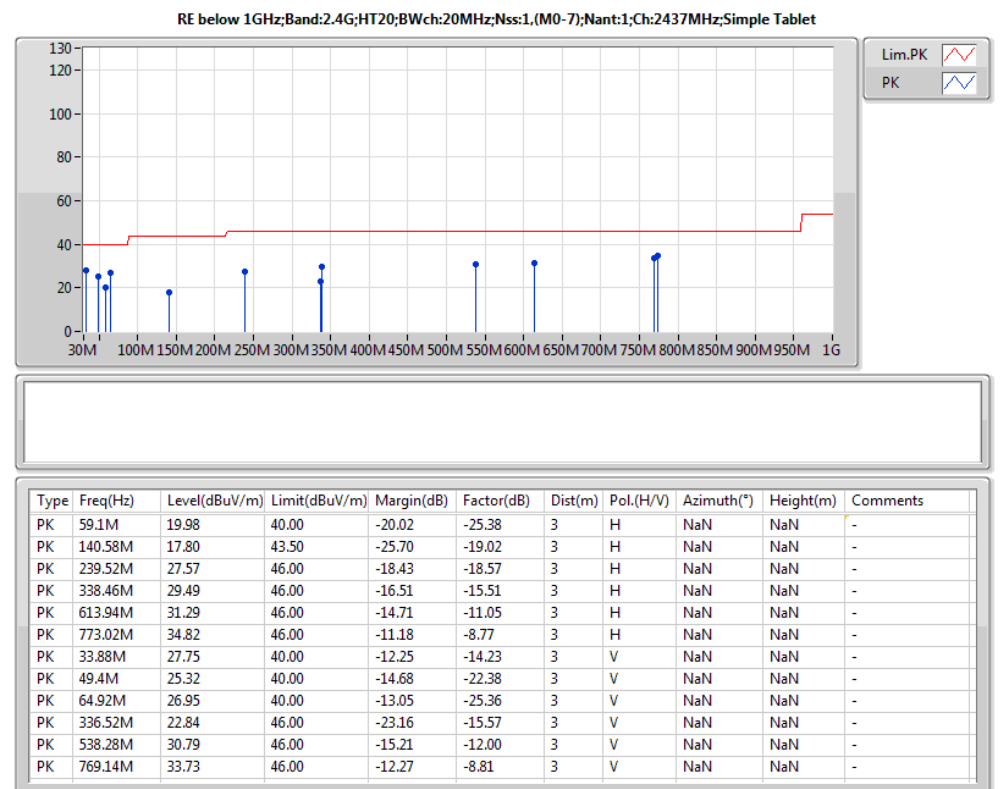
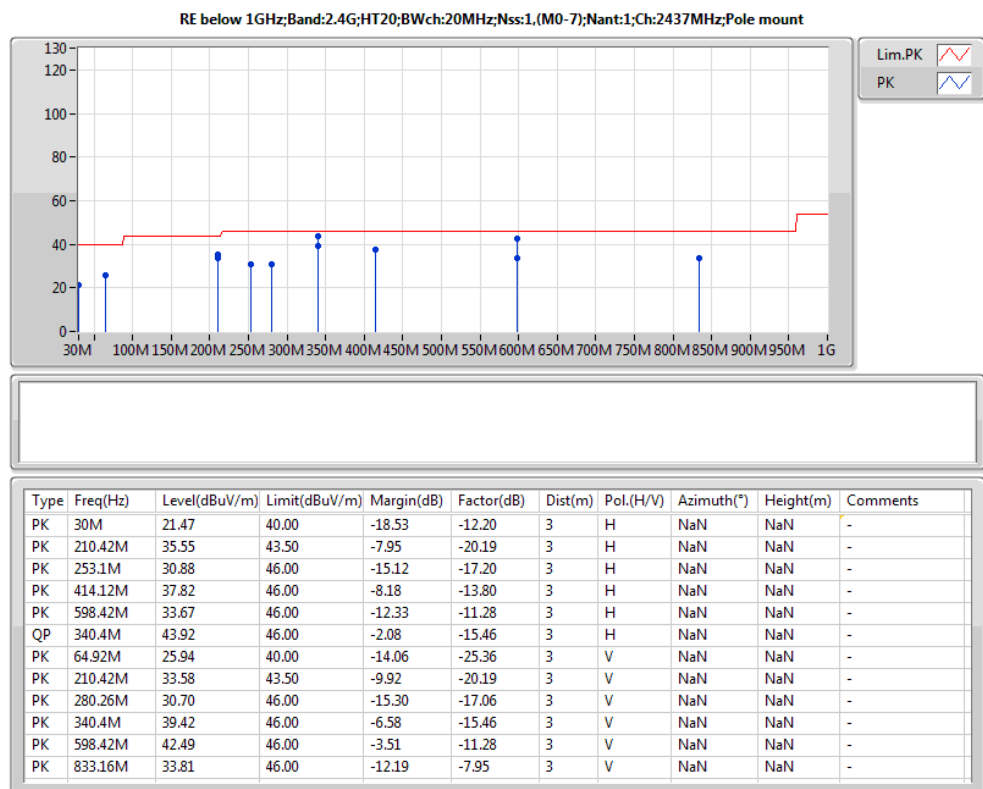
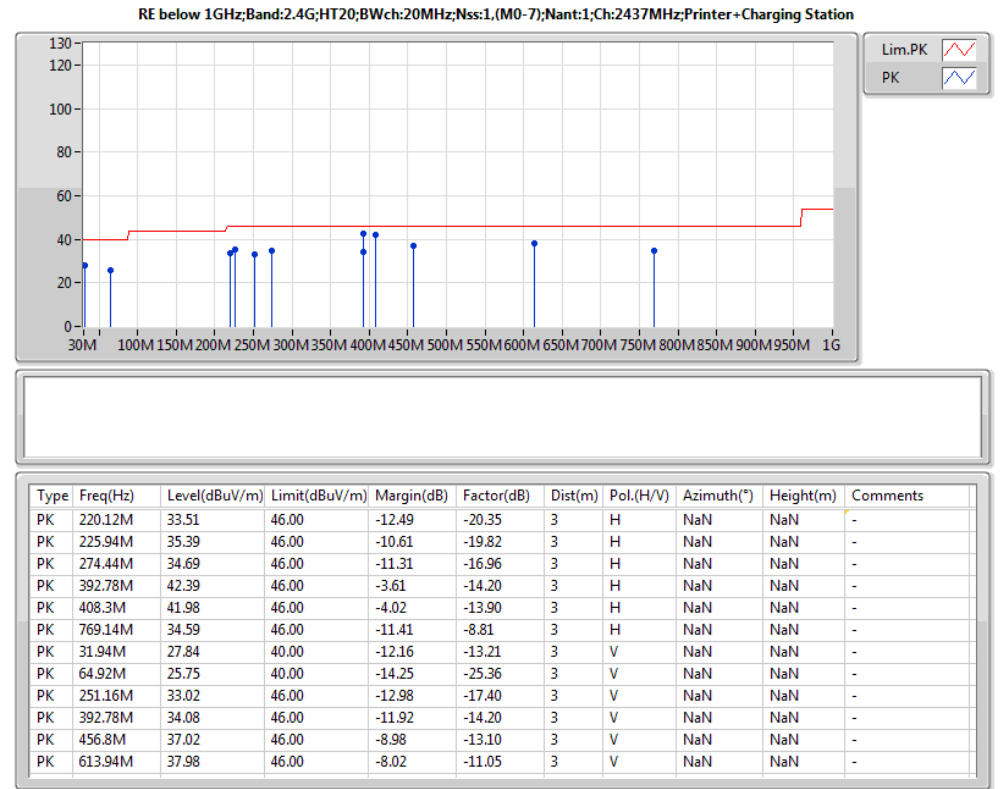
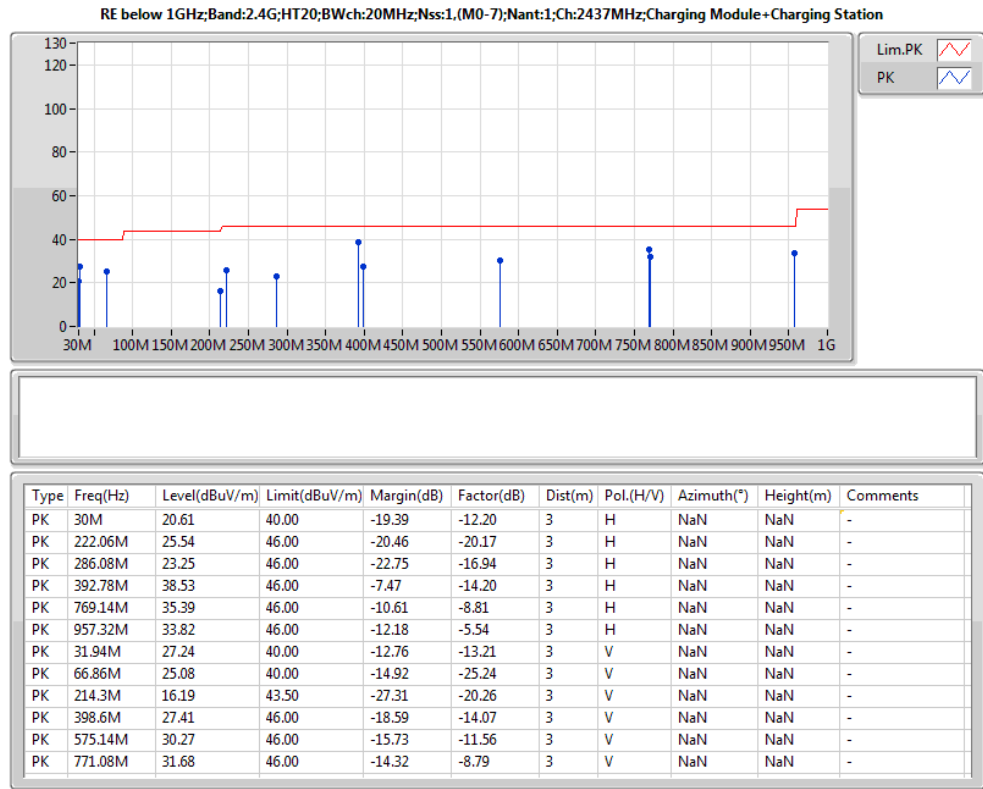
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	30M	20.61	40.00	-19.39	-12.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	222.06M	25.54	46.00	-20.46	-20.17	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	286.08M	23.25	46.00	-22.75	-16.94	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	392.78M	38.53	46.00	-7.47	-14.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	769.14M	35.39	46.00	-10.61	-8.81	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	957.32M	33.82	46.00	-12.18	-5.54	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	31.94M	27.24	40.00	-12.76	-13.21	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	66.86M	25.08	40.00	-14.92	-25.24	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	214.3M	16.19	43.50	-27.31	-20.26	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	398.6M	27.41	46.00	-18.59	-14.07	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	575.14M	30.27	46.00	-15.73	-11.56	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Charging Module+Charging Station	Pass	PK	771.08M	31.68	46.00	-14.32	-8.79	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	30M	21.47	40.00	-18.53	-12.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	210.42M	35.55	43.50	-7.95	-20.19	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	253.1M	30.88	46.00	-15.12	-17.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	414.12M	37.82	46.00	-8.18	-13.80	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	598.42M	33.67	46.00	-12.33	-11.28	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	QP	340.4M	43.92	46.00	-2.08	-15.46	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	64.92M	25.94	40.00	-14.06	-25.36	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	210.42M	33.58	43.50	-9.92	-20.19	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	280.26M	30.70	46.00	-15.30	-17.06	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	340.4M	39.42	46.00	-6.58	-15.46	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	598.42M	42.49	46.00	-3.51	-11.28	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Pole mount	Pass	PK	833.16M	33.81	46.00	-12.19	-7.95	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	30M	19.84	40.00	-20.16	-12.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	214.3M	17.58	43.50	-25.92	-20.26	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	286.08M	20.02	46.00	-25.98	-16.94	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	392.78M	36.25	46.00	-9.75	-14.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	408.3M	39.74	46.00	-6.26	-13.90	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	658.56M	33.40	46.00	-12.60	-10.41	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	31.94M	27.77	40.00	-12.23	-13.21	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	49.4M	24.88	40.00	-15.12	-22.38	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	66.86M	24.77	40.00	-15.23	-25.24	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	408.3M	32.33	46.00	-13.67	-13.90	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	633.34M	34.78	46.00	-11.22	-10.76	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer only	Pass	PK	658.56M	33.72	46.00	-12.28	-10.41	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	220.12M	33.51	46.00	-12.49	-20.35	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	225.94M	35.39	46.00	-10.61	-19.82	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	274.44M	34.69	46.00	-11.31	-16.96	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	392.78M	42.39	46.00	-3.61	-14.20	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	408.3M	41.98	46.00	-4.02	-13.90	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	769.14M	34.59	46.00	-11.41	-8.81	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	31.94M	27.84	40.00	-12.16	-13.21	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	64.92M	25.75	40.00	-14.25	-25.36	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	251.16M	33.02	46.00	-12.98	-17.40	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	392.78M	34.08	46.00	-11.92	-14.20	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	456.8M	37.02	46.00	-8.98	-13.10	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Printer+Charging Station	Pass	PK	613.94M	37.98	46.00	-8.02	-11.05	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	59.1M	19.98	40.00	-20.02	-25.38	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	140.58M	17.80	43.50	-25.70	-19.02	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	239.52M	27.57	46.00	-18.43	-18.57	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	338.46M	29.49	46.00	-16.51	-15.51	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	613.94M	31.29	46.00	-14.71	-11.05	3	H	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	773.02M	34.82	46.00	-11.18	-8.77	3	H	NaN	NaN	-



RSE below 1GHz Result

Appendix E

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	33.88M	27.75	40.00	-12.25	-14.23	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	49.4M	25.32	40.00	-14.68	-22.38	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	64.92M	26.95	40.00	-13.05	-25.36	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	336.52M	22.84	46.00	-23.16	-15.57	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	538.28M	30.79	46.00	-15.21	-12.00	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2437;M;Simple Tablet	Pass	PK	769.14M	33.73	46.00	-12.27	-8.81	3	V	NaN	NaN	-





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;1,(M0-7);1;2462;H;TX	Pass	AV	2.4836G	52.61	54.00	-1.39	-3.66	3	H	NaN	NaN	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.38616G	47.06	54.00	-6.94	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	2.411024G	100.35	Inf	-Inf	-3.78	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.385936G	55.23	74.00	-18.77	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	2.41192G	103.31	Inf	-Inf	-3.78	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	4.824G	40.80	54.00	-13.20	2.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	4.824G	48.30	74.00	-25.70	2.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	7.236G	51.47	Inf	-Inf	8.07	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	9.648G	55.63	Inf	-Inf	11.53	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	AV	4.824G	43.90	54.00	-10.10	2.10	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	4.824G	49.30	74.00	-24.70	2.10	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	7.236G	51.67	Inf	-Inf	8.07	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2412;L;TX	Pass	PK	9.648G	56.03	Inf	-Inf	11.53	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.38638G	40.87	54.00	-13.13	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.43616G	102.64	Inf	-Inf	-3.71	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	2.4848G	41.35	54.00	-12.65	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.38714G	52.05	74.00	-21.95	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.43692G	105.68	Inf	-Inf	-3.70	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	2.48404G	52.21	74.00	-21.79	-4.10	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	4.874G	40.73	54.00	-13.27	2.21	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	4.874G	47.17	74.00	-26.83	2.21	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	7.311G	38.41	54.00	-15.59	8.29	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	7.311G	49.87	74.00	-24.13	8.29	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	9.748G	55.33	Inf	-Inf	11.71	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	4.874G	42.61	54.00	-11.39	2.21	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	4.874G	48.81	74.00	-25.19	2.21	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	AV	7.311G	40.69	54.00	-13.31	8.29	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	7.311G	51.49	74.00	-22.51	8.29	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2437;M;TX	Pass	PK	9.748G	57.11	Inf	-Inf	11.71	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.461G	100.18	Inf	-Inf	-3.63	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	2.488G	47.44	54.00	-6.56	-3.66	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.462G	103.04	Inf	-Inf	-3.63	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	2.4884G	54.96	74.00	-19.04	-3.66	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	4.924G	39.27	54.00	-14.73	2.31	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	4.924G	46.56	74.00	-27.44	2.31	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	7.386G	38.51	54.00	-15.49	8.50	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	7.386G	51.06	74.00	-22.94	8.50	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	9.848G	55.84	Inf	-Inf	11.88	3	H	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	4.924G	42.51	54.00	-11.49	2.31	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	4.924G	48.81	74.00	-25.19	2.31	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	AV	7.386G	40.70	54.00	-13.30	8.50	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	7.386G	51.60	74.00	-22.40	8.50	3	V	NaN	NaN	-
2.4G;11b;20;1;1;2462;H;TX	Pass	PK	9.848G	56.98	Inf	-Inf	11.88	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.389968G	51.96	54.00	-2.04	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	2.413264G	98.33	Inf	-Inf	-3.77	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.389744G	69.41	74.00	-4.59	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	2.409008G	106.88	Inf	-Inf	-3.78	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	4.824G	34.60	54.00	-19.40	2.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	4.824G	45.20	74.00	-28.80	2.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	7.236G	50.66	Inf	-Inf	8.07	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	9.648G	54.77	Inf	-Inf	11.53	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	AV	4.824G	35.60	54.00	-18.40	2.10	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	4.824G	45.30	74.00	-28.70	2.10	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	7.236G	51.47	Inf	-Inf	8.07	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2412;L;TX	Pass	PK	9.648G	55.63	Inf	-Inf	11.53	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.38942G	40.43	54.00	-13.57	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.43578G	96.77	Inf	-Inf	-3.71	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	2.48366G	40.84	54.00	-13.16	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.3822G	51.79	74.00	-22.21	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.43388G	105.14	Inf	-Inf	-3.71	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	2.49544G	51.87	74.00	-22.13	-4.10	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.874G	33.23	54.00	-20.77	2.21	3	H	NaN	NaN	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.874G	44.68	74.00	-29.32	2.21	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	7.311G	39.76	54.00	-14.24	8.29	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	7.311G	51.31	74.00	-22.69	8.29	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	9.748G	54.49	Inf	-Inf	11.71	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	4.874G	34.61	54.00	-19.39	2.21	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	4.874G	45.46	74.00	-28.54	2.21	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	AV	7.311G	40.43	54.00	-13.57	8.29	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	7.311G	51.16	74.00	-22.84	8.29	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2437;M;TX	Pass	PK	9.748G	55.18	Inf	-Inf	11.71	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4634G	95.50	Inf	-Inf	-3.63	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	2.4836G	52.14	54.00	-1.86	-3.66	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4652G	103.77	Inf	-Inf	-3.62	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	2.4838G	67.90	74.00	-6.10	-3.66	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	4.924G	33.29	54.00	-20.71	2.31	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	4.924G	44.89	74.00	-29.11	2.31	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	7.386G	39.66	54.00	-14.34	8.50	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	7.386G	50.66	74.00	-23.34	8.50	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	9.848G	55.66	Inf	-Inf	11.88	3	H	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	4.924G	34.91	54.00	-19.09	2.31	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	4.924G	45.41	74.00	-28.59	2.31	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	AV	7.386G	41.00	54.00	-13.00	8.50	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	7.386G	51.70	74.00	-22.30	8.50	3	V	NaN	NaN	-
2.4G;11g;20;1;1;2462;H;TX	Pass	PK	9.848G	56.38	Inf	-Inf	11.88	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	AV	2.389968G	50.36	54.00	-3.64	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	AV	2.409904G	96.41	Inf	-Inf	-3.78	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	2.389072G	67.34	74.00	-6.66	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	2.41192G	104.80	Inf	-Inf	-3.78	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	AV	4.824G	32.88	54.00	-21.12	2.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	4.824G	44.88	74.00	-29.12	2.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	7.236G	50.92	Inf	-Inf	8.07	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	9.648G	55.27	Inf	-Inf	11.53	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	AV	4.824G	34.90	54.00	-19.10	2.10	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	4.824G	45.20	74.00	-28.80	2.10	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	7.236G	51.17	Inf	-Inf	8.07	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2412;L;TX	Pass	PK	9.648G	55.98	Inf	-Inf	11.88	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	2.38904G	40.06	54.00	-13.94	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	2.43958G	95.75	Inf	-Inf	-3.70	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	2.48442G	40.96	54.00	-13.04	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	2.37688G	51.86	74.00	-22.14	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	2.4392G	103.99	Inf	-Inf	-3.70	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	2.48632G	51.68	74.00	-22.32	-4.10	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	4.874G	33.35	54.00	-20.65	2.21	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	4.874G	45.06	74.00	-28.94	2.21	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	7.311G	39.13	54.00	-14.87	8.29	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	7.311G	50.76	74.00	-23.24	8.29	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	9.748G	55.40	Inf	-Inf	11.71	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	4.874G	34.71	54.00	-19.29	2.21	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	4.874G	45.41	74.00	-28.59	2.21	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	AV	7.311G	40.49	54.00	-13.51	8.29	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	7.311G	51.69	74.00	-22.31	8.29	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2437;M;TX	Pass	PK	9.748G	56.31	Inf	-Inf	11.71	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	AV	2.4646G	95.44	Inf	-Inf	-3.62	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	AV	2.4836G	52.61	54.00	-1.39	-3.66	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	2.464G	103.16	Inf	-Inf	-3.62	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	2.4836G	67.72	74.00	-6.28	-3.66	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	AV	4.924G	33.45	54.00	-20.55	2.31	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	4.924G	45.05	74.00	-28.95	2.31	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	AV	7.386G	39.07	54.00	-14.93	8.50	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	7.386G	51.08	74.00	-22.92	8.50	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	9.848G	55.39	Inf	-Inf	11.88	3	H	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	AV	4.924G	35.01	54.00	-18.99	2.31	3	V	NaN	NaN	-
2.4G;HT20;20;1;(M0-7);1;2462;H;TX	Pass	PK	4.924G	45.81	74.00	-28.19	2.31	3	V	NaN	NaN	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2.4G;HT20;20;1,(M0-7);1;2462;H;TX	Pass	AV	7.386G	41.10	54.00	-12.90	8.50	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2462;H;TX	Pass	PK	7.386G	52.20	74.00	-21.80	8.50	3	V	NaN	NaN	-
2.4G;HT20;20;1,(M0-7);1;2462;H;TX	Pass	PK	9.848G	56.78	Inf	-Inf	11.88	3	V	NaN	NaN	-

