FCC Test Report

FCC ID	:	**QYL9260NG**
Equipment	:	**WLAN module**
Brand Name	:	**Getac**
Model Name	:	**9260NGW**
Applicant	:	**Getac Technology Corporation. 5F., Building A, No. 209, Sec.1, Nangang Rd.,Nangang Dist., Taipei City 11568, Taiwan, R.O.C.**
Manufacturer	:	**Intel Mobile Communications 100 Center Point Circle, Suite 200, Columbia, South Carolina 29210 USA**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Jul. 01, 2019, and testing was started from Jul. 05, 2019 and completed on Jul. 08, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR6D2154-28AN	01	Initial issue of report	Aug. 20, 2019

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Maximum Conducted Output Power	PASS	-
3.2	15.407(b)	Unwanted Emissions	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: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160)	5250	50 [1]
5470-5725		5570	114 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX(Port 1)
5.25-5.35GHz	802.11a	20	1TX(Port 1)
5.47-5.725GHz	802.11a	20	1TX(Port 1)
5.725-5.85GHz	802.11a	20	1TX(Port 1)
5.15-5.25GHz	802.11a	20	1TX(Port 2)
5.25-5.35GHz	802.11a	20	1TX(Port 2)
5.47-5.725GHz	802.11a	20	1TX(Port 2)
5.725-5.85GHz	802.11a	20	1TX(Port 2)
5.15-5.25GHz	802.11n HT20	20	1TX(Port 1)
5.25-5.35GHz	802.11n HT20	20	1TX(Port 1)
5.47-5.725GHz	802.11n HT20	20	1TX(Port 1)
5.725-5.85GHz	802.11n HT20	20	1TX(Port 1)
5.15-5.25GHz	802.11n HT20	20	1TX(Port 2)
5.25-5.35GHz	802.11n HT20	20	1TX(Port 2)

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11n HT20	20	1TX(Port 2)
5.725-5.85GHz	802.11n HT20	20	1TX(Port 2)
5.15-5.25GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	1TX(Port 1)
5.25-5.35GHz	802.11n HT40	40	1TX(Port 1)
5.47-5.725GHz	802.11n HT40	40	1TX(Port 1)
5.725-5.85GHz	802.11n HT40	40	1TX(Port 1)
5.15-5.25GHz	802.11n HT40	40	1TX(Port 2)
5.25-5.35GHz	802.11n HT40	40	1TX(Port 2)
5.47-5.725GHz	802.11n HT40	40	1TX(Port 2)
5.725-5.85GHz	802.11n HT40	40	1TX(Port 2)
5.15-5.25GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT20	20	1TX(Port 1)
5.25-5.35GHz	802.11ac VHT20	20	1TX(Port 1)
5.47-5.725GHz	802.11ac VHT20	20	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT20	20	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT20	20	1TX(Port 2)
5.25-5.35GHz	802.11ac VHT20	20	1TX(Port 2)
5.47-5.725GHz	802.11ac VHT20	20	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT20	20	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	1TX(Port 1)
5.25-5.35GHz	802.11ac VHT40	40	1TX(Port 1)
5.47-5.725GHz	802.11ac VHT40	40	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT40	40	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT40	40	1TX(Port 2)

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT40	40	1TX(Port 2)
5.47-5.725GHz	802.11ac VHT40	40	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT40	40	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	
5.25-5.35GHz	802.11ac VHT80	80	1TX(Port 1)
5.47-5.725GHz	802.11ac VHT80	80	1TX(Port 1)
5.725-5.85GHz	802.11ac VHT80	80	1TX(Port 1)
5.15-5.25GHz	802.11ac VHT80	80	1TX(Port 1)
5.25-5.35GHz	802.11ac VHT80	80	1TX(Port 2)
5.47-5.725GHz	802.11ac VHT80	80	1TX(Port 2)
5.725-5.85GHz	802.11ac VHT80	80	1TX(Port 2)
5.15-5.25GHz	802.11ac VHT80	80	1TX(Port 2)
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT160	160	1TX(Port 1)
5.25-5.35GHz	802.11ac VHT160	160	2TX
5.47-5.725GHz	802.11ac VHT160	160	2TX

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80, VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	PIFA	IPEX
1	-	-	PIFA	IPEX

Ant.	Port	Gain (dBi)											
		2.4G		BT		5G							
						UNII-1		UNII-2A		UNII-2C		UNII-3	
1(Aux)	2	-	-0.33	-	0.34	-	0.45	-	0.43	-	1.24	-	1.10
2(Main)	1	0.34	-	-	-	-0.15	-	-0.97	-	0.26	-	1.03	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b/g/n mode (1TX/1RX)
Support diversity function and pre-tested on each single chain.
For IEEE 802.11 n mode (2TX/2RX)
Ant. 1 (port 2) and Ant. 2 (port 1) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 (port 2) could transmit/receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac mode (1TX/1RX)
Support diversity function and pre-tested on each single chain.
For IEEE 802.11 n/ac mode (2TX/2RX)
Ant. 1 (port 2) and Ant. 2 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Host System			
EUT Function	☐	Outdoor	☐	Indoor
	☐	Fixed P2P	☒	Client
Beamforming Function	☐	With beamforming	☒	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

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.:	1.Getac / A140 2.Getac / A140G2
☐	Other:	

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.851	0.7	2.05m	1k
802.11n HT20	0.856	0.68	1.909m	1k
802.11n HT40	0.845	0.73	937.5u	3k
802.11ac VHT160	0.825	0.84	253.75u	10k
802.11ac VHT20	0.859	0.66	1.918m	1k
802.11ac VHT40	0.845	0.73	946.25u	3k
802.11ac VHT80	0.814	0.89	462.5u	3k

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

1.1.5 Table for Permissive Change

Modifications	Performance Checking
Host system were added, the model name : A140 and A140G2.	Conducted Output power and emissions in Restricted Frequency Bands

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
- KDB 789033 D02 v02r01
- KDB 662911 D01 v02r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Ryan	22.5~24.5°C / 49~52%	08/Jul/2019
RF Conducted	TH06-HY	Gary	23.5~25.5°C / 65~69%	05/Jul/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 °C	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	DRTU v11.1902.0-09060

Mode	PowerSetting
802.11a_Nss1,(6Mbps)_1TX(Port1)	-
5180MHz	15
5200MHz	15.25
5220MHz	15.25
5240MHz	15.25
5260MHz	15.125
5280MHz	15.125
5300MHz	15
5320MHz	15
5500MHz	15
5580MHz	14.875
5620MHz	14.875
5660MHz	15
5700MHz	15.25
5745MHz	15.25
5785MHz	14.875
5825MHz	15
802.11a_Nss1,(6Mbps)_1TX(Port2)	-
5180MHz	15.75
5200MHz	15.625
5220MHz	15.75
5240MHz	15.625
5260MHz	15.5

Mode	PowerSetting
5280MHz	15.5
5300MHz	15.5
5320MHz	15.375
5500MHz	15.5
5580MHz	15.125
5620MHz	15.25
5660MHz	15.375
5700MHz	15.625
5745MHz	15.75
5785MHz	15.250
5825MHz	15.375
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-
5180MHz	15.125
5200MHz	15.125
5220MHz	15.375
5240MHz	15.375
5260MHz	15.125
5280MHz	15.125
5300MHz	15.125
5320MHz	15
5500MHz	15
5580MHz	15
5620MHz	14.75
5660MHz	15
5700MHz	15.25
5745MHz	15.375
5785MHz	14.875
5825MHz	15.125
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	15.75
5200MHz	15.75
5220MHz	15.75
5240MHz	15.625
5260MHz	15.5
5280MHz	15.5

Mode	PowerSetting
5300MHz	15.5
5320MHz	15.5
5500MHz	15.5
5580MHz	15.125
5620MHz	15.25
5660MHz	15.375
5700MHz	15.625
5745MHz	15.75
5785MHz	15.375
5825MHz	15.5
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	12,12.75
5200MHz	12.125,12.875
5220MHz	12.375,12.875
5240MHz	12.25,12.75
5260MHz	12.125,12.625
5280MHz	12.125,12.625
5300MHz	12.125,12.625
5320MHz	12,12.5
5500MHz	12,12.75
5580MHz	11.875,12.125
5620MHz	11.875,12.5
5660MHz	12.125,12.625
5700MHz	12.375,12.75
5745MHz	12.375,12.75
5785MHz	12,12.375
5825MHz	12.125,12.5
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-
5190MHz	15.125
5230MHz	15.375
5270MHz	15.375
5310MHz	14.625
5510MHz	15.125
5550MHz	15.125
5630MHz	15.125

Mode	PowerSetting
5670MHz	15
5755MHz	15.25
5795MHz	14.875
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	15.75
5230MHz	15.75
5270MHz	15.5
5310MHz	15.125
5510MHz	15.625
5550MHz	15.25
5630MHz	15.375
5670MHz	15.375
5755MHz	15.625
5795MHz	15.375
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	12,12.75
5230MHz	12.375,12.875
5270MHz	12.125,12.750
5310MHz	11.625,12.125
5510MHz	12,12.75
5550MHz	12.125,12.375
5630MHz	12,12.5
5670MHz	12.125,12.5
5755MHz	12.375,12.75
5795MHz	12,12.375
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-
5180MHz	15.125
5200MHz	15.125
5220MHz	15.375
5240MHz	15.375
5260MHz	15.125
5280MHz	15.125
5300MHz	15.125
5320MHz	15
5500MHz	15

Mode	PowerSetting
5580MHz	15
5620MHz	14.75
5660MHz	15
5700MHz	15.25
5745MHz	15.375
5785MHz	14.875
5825MHz	15.125
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-
5180MHz	15.75
5200MHz	15.75
5220MHz	15.75
5240MHz	15.625
5260MHz	15.5
5280MHz	15.5
5300MHz	15.5
5320MHz	15.5
5500MHz	15.5
5580MHz	15.125
5620MHz	15.25
5660MHz	15.375
5700MHz	15.375
5745MHz	15.75
5785MHz	15.375
5825MHz	15.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	12,12.75
5200MHz	12.125,12.875
5220MHz	12.375,12.875
5240MHz	12.25,12.75
5260MHz	12.125,12.625
5280MHz	12.125,12.625
5300MHz	12.125,12.625
5320MHz	12,12.5
5500MHz	12,12.75
5580MHz	11.875,12.125

Mode	PowerSetting
5620MHz	11.875,12.5
5660MHz	12.125,12.625
5700MHz	12.125,12.625
5745MHz	12.375,12.75
5785MHz	12,12.375
5825MHz	12.125,12.5
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-
5190MHz	15.125
5230MHz	15.375
5270MHz	15.375
5310MHz	14.625
5510MHz	15.125
5550MHz	15.125
5630MHz	15.125
5670MHz	15
5755MHz	15.25
5795MHz	14.875
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-
5190MHz	15.75
5230MHz	15.75
5270MHz	15.5
5310MHz	15.125
5510MHz	15.625
5550MHz	15.25
5630MHz	15.375
5670MHz	15.375
5755MHz	15.625
5795MHz	15.375
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	12,12.75
5230MHz	12.375,12.875
5270MHz	12.125,12.750
5310MHz	11.625,12.125
5510MHz	12,12.75
5550MHz	12.125,12.375

Mode	PowerSetting
5630MHz	12,12.5
5670MHz	12.125,12.5
5755MHz	12.375,12.75
5795MHz	12,12.375
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-
5210MHz	15.375
5290MHz	15.125
5530MHz	15
5610MHz	14.875
5775MHz	14.875
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-
5210MHz	15.75
5290MHz	15.5
5530MHz	15.5
5610MHz	15.25
5775MHz	15.375
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	12.375,12.875
5290MHz	12.125,12.625
5530MHz	12.125,12.625
5610MHz	11.875,12.375
5775MHz	12,12.5
802.11ac VHT160_Nss1,(MCS0)_1TX(Port1)	-
5250MHz Straddle 5.15-5.25GHz	12.625
5570MHz	12.5
802.11ac VHT160_Nss1,(MCS0)_1TX(Port2)	-
5250MHz Straddle 5.25-5.35GHz	13.125
5570MHz	12.75
802.11ac VHT160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.25-5.35GHz	9.625,10.5
5570MHz	9.5,9.875

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Conducted Output Power
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted 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		
1	Adapter Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT		V	

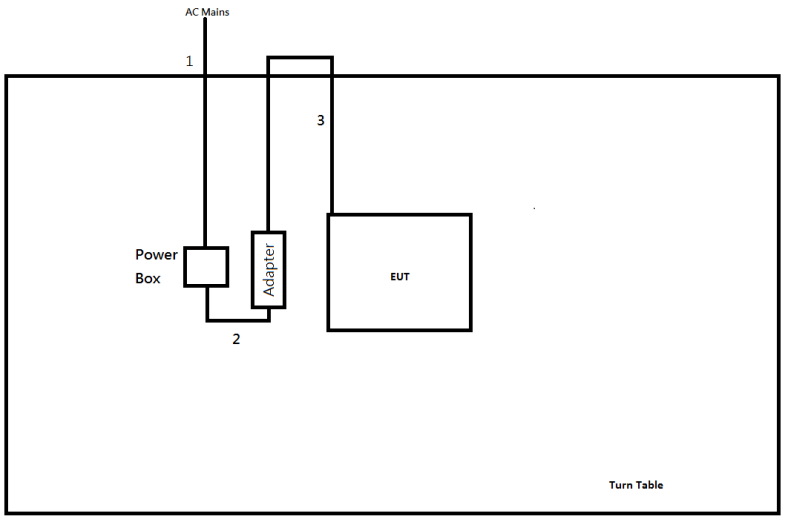
2.4 Support Equipment

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	AC Adapter	FSP	FSP065-RBBN3	DoC

Support Equipment – Radiated				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	AC Adapter	FSP	FSP065-RBBN3	DoC

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	1.5	-
2	AC Power line	No	1.5	-
3	DC Power line	No	1.45	-

3 Transmitter Test Result

3.1 Maximum Conducted Output Power

3.1.1 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.	

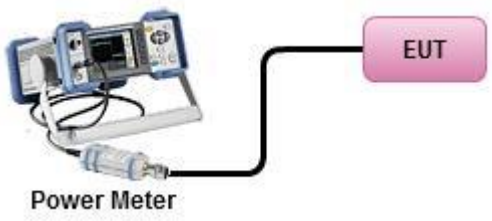
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	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)
	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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.1.4 Test Setup

RF Output Power (Power Meter)


3.1.5 Test Result of Maximum Conducted Output Power

Refer as Appendix A

3.2 Unwanted Emissions

3.2.1 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).	

3.2.2 Measuring Instruments

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

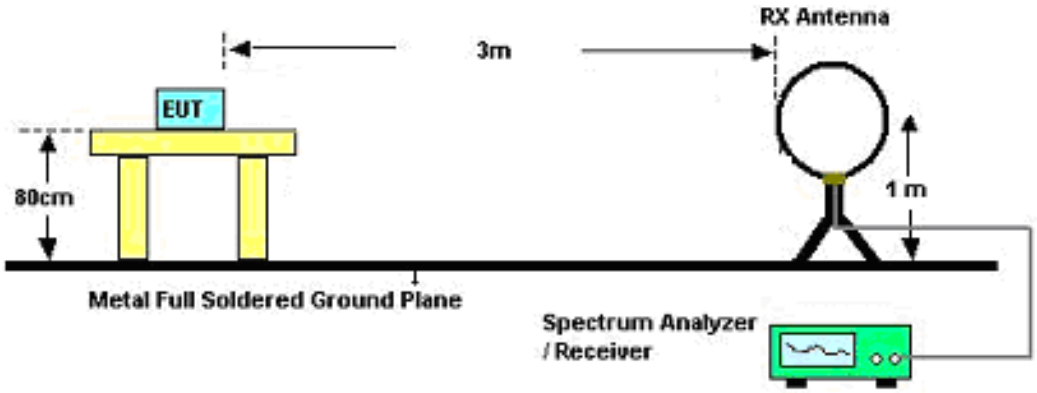
3.2.3 Test Procedures

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 ≥ 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.

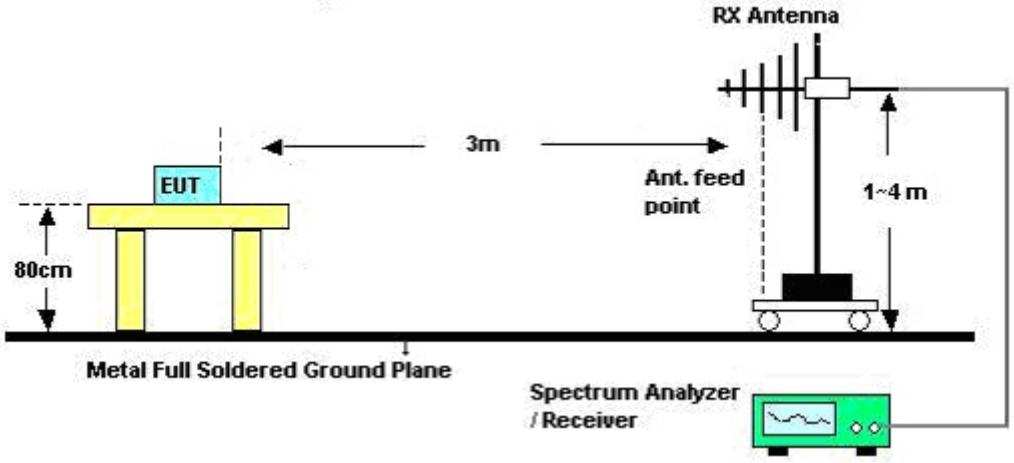
3.2.4 Test Setup

Transmitter Radiated Unwanted Emissions

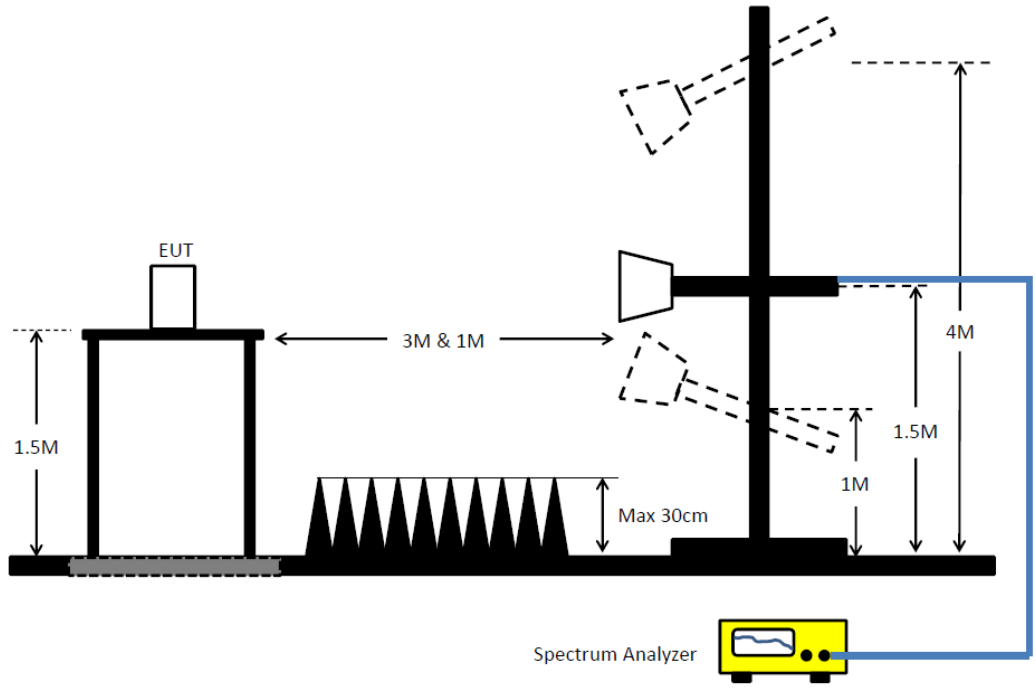
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.2.5 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.

3.2.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix B

3.3 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz ~ 1GHz	22/Apr/2019	21/Apr/2020
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz ~ 18GHz	13/Jun/2019	12/Jun/2020
Microwave System Premplifier	KEYSIGHT	87422A	MY53270197	1GHz ~ 18GHz	30/Nov/2018	29/Nov/2019
Amplifier	EMC	EMC9135	980232	9KHz~1GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz ~ 44GHz	31/Jul/2018	30/Jul/2019
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D & MTJ6102-05	35418 / 3	30MHz~1GHz	02/Oct/2018	03/Oct/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA9120 D 1534	1GHz~18GHz	22/May/2019	21/May/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170614	18GHz~40GHz	22/May/2019	21/May/2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
LF-CABLE-2019 0218	Jye Bao	RG142	CB028	9kHz ~ 1GHz	18/Feb/2019	17/Feb/2020
RF Cable-high	HUBER+SUHNER	SUCOFLEX104	SN 556626/4 + 556627	1GHz ~ 40GHz	13/Mar/2019	12/Mar/2020

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.98	0.03963	15.83	0.03828
802.11a_Nss1,(6Mbps)_1TX(Port2)	15.98	0.03963	16.43	0.04395
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	15.93	0.03917	15.78	0.03784
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	15.94	0.03926	16.39	0.04355
802.11n HT20_Nss1,(MCS0)_2TX	15.95	0.03936	16.40	0.04365
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	15.90	0.03890	15.75	0.03758
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	15.90	0.03890	16.35	0.04315
802.11n HT40_Nss1,(MCS0)_2TX	15.94	0.03926	16.39	0.04355
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.98	0.03963	15.83	0.03828
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	15.98	0.03963	16.43	0.04395
802.11ac VHT20_Nss1,(MCS0)_2TX	15.97	0.03954	16.42	0.04385
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	15.93	0.03917	15.78	0.03784
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	15.94	0.03926	16.39	0.04355
802.11ac VHT40_Nss1,(MCS0)_2TX	15.97	0.03954	16.42	0.04385
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	15.90	0.03890	15.75	0.03758
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.96	0.03945	16.41	0.04375
802.11ac VHT80_Nss1,(MCS0)_2TX	15.95	0.03936	16.40	0.04365
802.11ac VHT160_Nss1,(MCS0)_1TX(Port1)	13.43	0.02203	13.28	0.02128
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.98	0.03963	15.01	0.03170
802.11a_Nss1,(6Mbps)_1TX(Port2)	15.99	0.03972	16.42	0.04385
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	15.93	0.03917	14.96	0.03133
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	15.93	0.03917	16.36	0.04325
802.11n HT20_Nss1,(MCS0)_2TX	15.94	0.03926	16.37	0.04335
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	15.93	0.03917	14.96	0.03133
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	15.88	0.03873	16.31	0.04276
802.11n HT40_Nss1,(MCS0)_2TX	15.92	0.03908	16.35	0.04315
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.99	0.03972	15.02	0.03177
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	15.96	0.03945	16.39	0.04355
802.11ac VHT20_Nss1,(MCS0)_2TX	15.97	0.03954	16.40	0.04365
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	15.97	0.03954	15.00	0.03162
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	15.92	0.03908	16.35	0.04315
802.11ac VHT40_Nss1,(MCS0)_2TX	15.97	0.03954	16.40	0.04365
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	15.96	0.03945	14.99	0.03155
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.98	0.03963	16.41	0.04375
802.11ac VHT80_Nss1,(MCS0)_2TX	15.98	0.03963	16.41	0.04375
802.11ac VHT160_Nss1,(MCS0)_1TX(Port2)	13.44	0.02208	13.87	0.02438
802.11ac VHT160_Nss1,(MCS0)_2TX	13.41	0.02193	13.84	0.02421
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.99	0.03972	16.25	0.04217
802.11a_Nss1,(6Mbps)_1TX(Port2)	15.98	0.03963	17.22	0.05272
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	15.94	0.03926	16.20	0.04169
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	15.92	0.03908	17.16	0.05200

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11n HT20_Nss1,(MCS0)_2TX	15.94	0.03926	17.18	0.05224
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	15.96	0.03945	16.22	0.04188
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	15.96	0.03945	17.20	0.05248
802.11n HT40_Nss1,(MCS0)_2TX	15.95	0.03936	17.19	0.05236
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.98	0.03963	16.24	0.04207
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	15.98	0.03963	17.22	0.05272
802.11ac VHT20_Nss1,(MCS0)_2TX	15.98	0.03963	17.22	0.05272
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	15.98	0.03963	16.24	0.04207
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	15.99	0.03972	17.23	0.05284
802.11ac VHT40_Nss1,(MCS0)_2TX	15.98	0.03963	17.22	0.05272
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	15.98	0.03963	16.24	0.04207
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.98	0.03963	17.22	0.05272
802.11ac VHT80_Nss1,(MCS0)_2TX	15.98	0.03963	17.22	0.05272
802.11ac VHT160_Nss1,(MCS0)_1TX(Port1)	13.46	0.02218	13.72	0.02355
802.11ac VHT160_Nss1,(MCS0)_1TX(Port2)	13.46	0.02218	14.70	0.02951
802.11ac VHT160_Nss1,(MCS0)_2TX	13.48	0.02228	14.72	0.02965
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	15.97	0.03954	17.00	0.05012
802.11a_Nss1,(6Mbps)_1TX(Port2)	15.94	0.03926	17.04	0.05058
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	15.93	0.03917	16.96	0.04966
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	15.95	0.03936	17.05	0.05070
802.11n HT20_Nss1,(MCS0)_2TX	15.95	0.03936	17.05	0.05070
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	15.91	0.03899	16.94	0.04943
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	15.90	0.03890	17.00	0.05012
802.11n HT40_Nss1,(MCS0)_2TX	15.95	0.03936	17.05	0.05070
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	15.96	0.03945	16.99	0.05000
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	15.97	0.03954	17.07	0.05093
802.11ac VHT20_Nss1,(MCS0)_2TX	15.98	0.03963	17.08	0.05105
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	15.95	0.03936	16.98	0.04989
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	15.96	0.03945	17.06	0.05082
802.11ac VHT40_Nss1,(MCS0)_2TX	15.98	0.03963	17.08	0.05105
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	15.94	0.03926	16.97	0.04977
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	15.98	0.03963	17.08	0.05105
802.11ac VHT80_Nss1,(MCS0)_2TX	15.97	0.03954	17.07	0.05093

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	-0.15	15.89		15.89	24.00	15.74	30.00
5200MHz	Pass	-0.15	15.98		15.98	24.00	15.83	30.00
5220MHz	Pass	-0.15	15.92		15.92	24.00	15.77	30.00
5240MHz	Pass	-0.15	15.97		15.97	24.00	15.82	30.00
5260MHz	Pass	-0.97	15.98		15.98	24.00	15.01	30.00
5280MHz	Pass	-0.97	15.96		15.96	24.00	14.99	30.00
5300MHz	Pass	-0.97	15.90		15.90	24.00	14.93	30.00
5320MHz	Pass	-0.97	15.91		15.91	24.00	14.94	30.00
5500MHz	Pass	0.26	15.94		15.94	24.00	16.20	30.00
5580MHz	Pass	0.26	15.98		15.98	24.00	16.24	30.00
5620MHz	Pass	0.26	15.95		15.95	24.00	16.21	30.00
5660MHz	Pass	0.26	15.91		15.91	24.00	16.17	30.00
5700MHz	Pass	0.26	15.99		15.99	24.00	16.25	30.00
5745MHz	Pass	1.03	15.90		15.90	30.00	16.93	36.00
5785MHz	Pass	1.03	15.97		15.97	30.00	17.00	36.00
5825MHz	Pass	1.03	15.90		15.90	30.00	16.93	36.00
802.11a_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-
5180MHz	Pass	0.45		15.98	15.98	24.00	16.43	30.00
5200MHz	Pass	0.45		15.90	15.90	24.00	16.35	30.00
5220MHz	Pass	0.45		15.93	15.93	24.00	16.38	30.00
5240MHz	Pass	0.45		15.98	15.98	24.00	16.43	30.00
5260MHz	Pass	0.43		15.98	15.98	24.00	16.41	30.00
5280MHz	Pass	0.43		15.95	15.95	24.00	16.38	30.00
5300MHz	Pass	0.43		15.99	15.99	24.00	16.42	30.00
5320MHz	Pass	0.43		15.95	15.95	24.00	16.38	30.00
5500MHz	Pass	1.24		15.96	15.96	24.00	17.20	30.00
5580MHz	Pass	1.24		15.89	15.89	24.00	17.13	30.00
5620MHz	Pass	1.24		15.97	15.97	24.00	17.21	30.00
5660MHz	Pass	1.24		15.91	15.91	24.00	17.15	30.00
5700MHz	Pass	1.24		15.98	15.98	24.00	17.22	30.00
5745MHz	Pass	1.10		15.91	15.91	30.00	17.01	36.00
5785MHz	Pass	1.10		15.94	15.94	30.00	17.04	36.00
5825MHz	Pass	1.10		15.94	15.94	30.00	17.04	36.00
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	-0.15	15.92		15.92	24.00	15.77	30.00
5200MHz	Pass	-0.15	15.90		15.90	24.00	15.75	30.00
5220MHz	Pass	-0.15	15.89		15.89	24.00	15.74	30.00
5240MHz	Pass	-0.15	15.93		15.93	24.00	15.78	30.00
5260MHz	Pass	-0.97	15.88		15.88	24.00	14.91	30.00
5280MHz	Pass	-0.97	15.90		15.90	24.00	14.93	30.00
5300MHz	Pass	-0.97	15.93		15.93	24.00	14.96	30.00
5320MHz	Pass	-0.97	15.88		15.88	24.00	14.91	30.00
5500MHz	Pass	0.26	15.86		15.86	24.00	16.12	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5580MHz	Pass	0.26	15.92		15.92	24.00	16.18	30.00
5620MHz	Pass	0.26	15.90		15.90	24.00	16.16	30.00
5660MHz	Pass	0.26	15.91		15.91	24.00	16.17	30.00
5700MHz	Pass	0.26	15.94		15.94	24.00	16.20	30.00
5745MHz	Pass	1.03	15.93		15.93	30.00	16.96	36.00
5785MHz	Pass	1.03	15.89		15.89	30.00	16.92	36.00
5825MHz	Pass	1.03	15.87		15.87	30.00	16.90	36.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5180MHz	Pass	0.45		15.88	15.88	24.00	16.33	30.00
5200MHz	Pass	0.45		15.94	15.94	24.00	16.39	30.00
5220MHz	Pass	0.45		15.85	15.85	24.00	16.30	30.00
5240MHz	Pass	0.45		15.86	15.86	24.00	16.31	30.00
5260MHz	Pass	0.43		15.86	15.86	24.00	16.29	30.00
5280MHz	Pass	0.43		15.86	15.86	24.00	16.29	30.00
5300MHz	Pass	0.43		15.93	15.93	24.00	16.36	30.00
5320MHz	Pass	0.43		15.91	15.91	24.00	16.34	30.00
5500MHz	Pass	1.24		15.92	15.92	24.00	17.16	30.00
5580MHz	Pass	1.24		15.88	15.88	24.00	17.12	30.00
5620MHz	Pass	1.24		15.90	15.90	24.00	17.14	30.00
5660MHz	Pass	1.24		15.89	15.89	24.00	17.13	30.00
5700MHz	Pass	1.24		15.92	15.92	24.00	17.16	30.00
5745MHz	Pass	1.10		15.95	15.95	30.00	17.05	36.00
5785MHz	Pass	1.10		15.91	15.91	30.00	17.01	36.00
5825MHz	Pass	1.10		15.89	15.89	30.00	16.99	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	0.45	12.92	12.95	15.95	24.00	16.40	30.00
5200MHz	Pass	0.45	12.90	12.92	15.92	24.00	16.37	30.00
5220MHz	Pass	0.45	12.89	12.92	15.92	24.00	16.37	30.00
5240MHz	Pass	0.45	12.90	12.90	15.91	24.00	16.36	30.00
5260MHz	Pass	0.43	12.91	12.93	15.93	24.00	16.36	30.00
5280MHz	Pass	0.43	12.90	12.92	15.92	24.00	16.35	30.00
5300MHz	Pass	0.43	12.93	12.92	15.94	24.00	16.37	30.00
5320MHz	Pass	0.43	12.87	12.95	15.92	24.00	16.35	30.00
5500MHz	Pass	1.24	12.93	12.87	15.91	24.00	17.15	30.00
5580MHz	Pass	1.24	12.90	12.85	15.89	24.00	17.13	30.00
5620MHz	Pass	1.24	12.93	12.93	15.94	24.00	17.18	30.00
5660MHz	Pass	1.24	12.96	12.90	15.94	24.00	17.18	30.00
5700MHz	Pass	1.24	12.92	12.90	15.92	24.00	17.16	30.00
5745MHz	Pass	1.10	12.91	12.89	15.91	30.00	17.01	36.00
5785MHz	Pass	1.10	12.93	12.95	15.95	30.00	17.05	36.00
5825MHz	Pass	1.10	12.90	12.92	15.92	30.00	17.02	36.00
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
5190MHz	Pass	-0.15	15.89		15.89	24.00	15.74	30.00
5230MHz	Pass	-0.15	15.90		15.90	24.00	15.75	30.00
5270MHz	Pass	-0.97	15.93		15.93	24.00	14.96	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5310MHz	Pass	-0.97	15.37		15.37	24.00	14.40	30.00
5510MHz	Pass	0.26	15.92		15.92	24.00	16.18	30.00
5550MHz	Pass	0.26	15.93		15.93	24.00	16.19	30.00
5630MHz	Pass	0.26	15.96		15.96	24.00	16.22	30.00
5670MHz	Pass	0.26	15.90		15.90	24.00	16.16	30.00
5755MHz	Pass	1.03	15.87		15.87	30.00	16.90	36.00
5795MHz	Pass	1.03	15.91		15.91	30.00	16.94	36.00
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5190MHz	Pass	0.45		15.90	15.90	24.00	16.35	30.00
5230MHz	Pass	0.45		15.88	15.88	24.00	16.33	30.00
5270MHz	Pass	0.43		15.88	15.88	24.00	16.31	30.00
5310MHz	Pass	0.43		15.41	15.41	24.00	15.84	30.00
5510MHz	Pass	1.24		15.96	15.96	24.00	17.20	30.00
5550MHz	Pass	1.24		15.93	15.93	24.00	17.17	30.00
5630MHz	Pass	1.24		15.94	15.94	24.00	17.18	30.00
5670MHz	Pass	1.24		15.94	15.94	24.00	17.18	30.00
5755MHz	Pass	1.10		15.88	15.88	30.00	16.98	36.00
5795MHz	Pass	1.10		15.90	15.90	30.00	17.00	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	0.45	12.92	12.93	15.94	24.00	16.39	30.00
5230MHz	Pass	0.45	12.93	12.90	15.93	24.00	16.38	30.00
5270MHz	Pass	0.43	12.89	12.92	15.92	24.00	16.35	30.00
5310MHz	Pass	0.43	12.44	12.41	15.44	24.00	15.87	30.00
5510MHz	Pass	1.24	12.92	12.96	15.95	24.00	17.19	30.00
5550MHz	Pass	1.24	12.91	12.92	15.93	24.00	17.17	30.00
5630MHz	Pass	1.24	12.93	12.90	15.93	24.00	17.17	30.00
5670MHz	Pass	1.24	12.89	12.91	15.91	24.00	17.15	30.00
5755MHz	Pass	1.10	12.93	12.94	15.95	30.00	17.05	36.00
5795MHz	Pass	1.10	12.87	12.89	15.89	30.00	16.99	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
5180MHz	Pass	-0.15	15.97		15.97	24.00	15.82	30.00
5200MHz	Pass	-0.15	15.94		15.94	24.00	15.79	30.00
5220MHz	Pass	-0.15	15.98		15.98	24.00	15.83	30.00
5240MHz	Pass	-0.15	15.97		15.97	24.00	15.82	30.00
5260MHz	Pass	-0.97	15.95		15.95	24.00	14.98	30.00
5280MHz	Pass	-0.97	15.92		15.92	24.00	14.95	30.00
5300MHz	Pass	-0.97	15.99		15.99	24.00	15.02	30.00
5320MHz	Pass	-0.97	15.91		15.91	24.00	14.94	30.00
5500MHz	Pass	0.26	15.90		15.90	24.00	16.16	30.00
5580MHz	Pass	0.26	15.96		15.96	24.00	16.22	30.00
5620MHz	Pass	0.26	15.94		15.94	24.00	16.20	30.00
5660MHz	Pass	0.26	15.98		15.98	24.00	16.24	30.00
5700MHz	Pass	0.26	15.98		15.98	24.00	16.24	30.00
5745MHz	Pass	1.03	15.96		15.96	30.00	16.99	36.00
5785MHz	Pass	1.03	15.92		15.92	30.00	16.95	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5825MHz	Pass	1.03	15.90		15.90	30.00	16.93	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5180MHz	Pass	0.45		15.92	15.92	24.00	16.37	30.00
5200MHz	Pass	0.45		15.98	15.98	24.00	16.43	30.00
5220MHz	Pass	0.45		15.90	15.90	24.00	16.35	30.00
5240MHz	Pass	0.45		15.92	15.92	24.00	16.37	30.00
5260MHz	Pass	0.43		15.91	15.91	24.00	16.34	30.00
5280MHz	Pass	0.43		15.92	15.92	24.00	16.35	30.00
5300MHz	Pass	0.43		15.95	15.95	24.00	16.38	30.00
5320MHz	Pass	0.43		15.96	15.96	24.00	16.39	30.00
5500MHz	Pass	1.24		15.98	15.98	24.00	17.22	30.00
5580MHz	Pass	1.24		15.92	15.92	24.00	17.16	30.00
5620MHz	Pass	1.24		15.95	15.95	24.00	17.19	30.00
5660MHz	Pass	1.24		15.91	15.91	24.00	17.15	30.00
5700MHz	Pass	1.24		15.92	15.92	24.00	17.16	30.00
5745MHz	Pass	1.10		15.97	15.97	30.00	17.07	36.00
5785MHz	Pass	1.10		15.95	15.95	30.00	17.05	36.00
5825MHz	Pass	1.10		15.96	15.96	30.00	17.06	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	0.45	12.93	12.98	15.97	24.00	16.42	30.00
5200MHz	Pass	0.45	12.92	12.96	15.95	24.00	16.40	30.00
5220MHz	Pass	0.45	12.90	12.94	15.93	24.00	16.38	30.00
5240MHz	Pass	0.45	12.93	12.90	15.93	24.00	16.38	30.00
5260MHz	Pass	0.43	12.94	12.96	15.96	24.00	16.39	30.00
5280MHz	Pass	0.43	12.94	12.95	15.96	24.00	16.39	30.00
5300MHz	Pass	0.43	12.95	12.97	15.97	24.00	16.40	30.00
5320MHz	Pass	0.43	12.90	12.98	15.95	24.00	16.38	30.00
5500MHz	Pass	1.24	12.93	12.96	15.96	24.00	17.20	30.00
5580MHz	Pass	1.24	12.88	12.92	15.91	24.00	17.15	30.00
5620MHz	Pass	1.24	12.95	12.98	15.98	24.00	17.22	30.00
5660MHz	Pass	1.24	12.97	12.94	15.97	24.00	17.21	30.00
5700MHz	Pass	1.24	12.96	12.94	15.96	24.00	17.20	30.00
5745MHz	Pass	1.10	12.93	12.92	15.94	30.00	17.04	36.00
5785MHz	Pass	1.10	12.96	12.98	15.98	30.00	17.08	36.00
5825MHz	Pass	1.10	12.94	12.97	15.97	30.00	17.07	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
5190MHz	Pass	-0.15	15.93		15.93	24.00	15.78	30.00
5230MHz	Pass	-0.15	15.92		15.92	24.00	15.77	30.00
5270MHz	Pass	-0.97	15.97		15.97	24.00	15.00	30.00
5310MHz	Pass	-0.97	15.40		15.40	24.00	14.43	30.00
5510MHz	Pass	0.26	15.96		15.96	24.00	16.22	30.00
5550MHz	Pass	0.26	15.97		15.97	24.00	16.23	30.00
5630MHz	Pass	0.26	15.98		15.98	24.00	16.24	30.00
5670MHz	Pass	0.26	15.92		15.92	24.00	16.18	30.00
5755MHz	Pass	1.03	15.90		15.90	30.00	16.93	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5795MHz	Pass	1.03	15.95		15.95	30.00	16.98	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5190MHz	Pass	0.45		15.94	15.94	24.00	16.39	30.00
5230MHz	Pass	0.45		15.90	15.90	24.00	16.35	30.00
5270MHz	Pass	0.43		15.92	15.92	24.00	16.35	30.00
5310MHz	Pass	0.43		15.45	15.45	24.00	15.88	30.00
5510MHz	Pass	1.24		15.99	15.99	24.00	17.23	30.00
5550MHz	Pass	1.24		15.97	15.97	24.00	17.21	30.00
5630MHz	Pass	1.24		15.98	15.98	24.00	17.22	30.00
5670MHz	Pass	1.24		15.97	15.97	24.00	17.21	30.00
5755MHz	Pass	1.10		15.96	15.96	30.00	17.06	36.00
5795MHz	Pass	1.10		15.92	15.92	30.00	17.02	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	0.45	12.95	12.97	15.97	24.00	16.42	30.00
5230MHz	Pass	0.45	12.96	12.93	15.96	24.00	16.41	30.00
5270MHz	Pass	0.43	12.95	12.97	15.97	24.00	16.40	30.00
5310MHz	Pass	0.43	12.48	12.43	15.47	24.00	15.90	30.00
5510MHz	Pass	1.24	12.96	12.98	15.98	24.00	17.22	30.00
5550MHz	Pass	1.24	12.95	12.90	15.94	24.00	17.18	30.00
5630MHz	Pass	1.24	12.97	12.91	15.95	24.00	17.19	30.00
5670MHz	Pass	1.24	12.95	12.95	15.96	24.00	17.20	30.00
5755MHz	Pass	1.10	12.97	12.97	15.98	30.00	17.08	36.00
5795MHz	Pass	1.10	12.91	12.90	15.92	30.00	17.02	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-
5210MHz	Pass	-0.15	15.90		15.90	24.00	15.75	30.00
5290MHz	Pass	-0.97	15.96		15.96	24.00	14.99	30.00
5530MHz	Pass	0.26	15.93		15.93	24.00	16.19	30.00
5610MHz	Pass	0.26	15.98		15.98	24.00	16.24	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	0.26	15.92		15.92	24.00	16.18	30.00
5775MHz	Pass	1.03	15.94		15.94	30.00	16.97	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5210MHz	Pass	0.45		15.96	15.96	24.00	16.41	30.00
5290MHz	Pass	0.43		15.98	15.98	24.00	16.41	30.00
5530MHz	Pass	1.24		15.97	15.97	24.00	17.21	30.00
5610MHz	Pass	1.24		15.98	15.98	24.00	17.22	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	1.24		15.92	15.92	24.00	17.16	30.00
5775MHz	Pass	1.10		15.98	15.98	30.00	17.08	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	0.45	12.97	12.90	15.95	24.00	16.40	30.00
5290MHz	Pass	0.43	13.00	12.94	15.98	24.00	16.41	30.00
5530MHz	Pass	1.24	12.96	12.98	15.98	24.00	17.22	30.00
5610MHz	Pass	1.24	12.99	12.93	15.97	24.00	17.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	1.24	12.95	12.89	15.93	24.00	17.17	30.00
5775MHz	Pass	1.10	12.92	12.99	15.97	30.00	17.07	36.00
802.11ac VHT160_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5250MHz Straddle 5.15-5.25GHz	Pass	-0.15	13.43		13.43	24.00	13.28	30.00
5570MHz	Pass	0.26	13.46		13.46	24.00	13.72	30.00
802.11ac VHT160_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-
5250MHz Straddle 5.25-5.35GHz	Pass	0.43		13.44	13.44	24.00	13.87	30.00
5570MHz	Pass	1.24		13.46	13.46	24.00	14.70	30.00
802.11ac VHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.25-5.35GHz	Pass	0.43	10.41	10.38	13.41	24.00	13.84	30.00
5570MHz	Pass	1.24	10.45	10.49	13.48	24.00	14.72	30.00

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

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	PK	817.64M	39.84	46.00	-6.16	-7.59	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5700MHz	Pass	PK	53.28M	27.16	40.00	-12.84	-24.39	3	Vertical	0	1.00	-
5700MHz	Pass	PK	202.66M	22.67	43.50	-20.83	-20.95	3	Vertical	0	1.00	-
5700MHz	Pass	PK	394.72M	26.70	46.00	-19.30	-14.07	3	Vertical	0	1.00	-
5700MHz	Pass	PK	693.48M	38.97	46.00	-7.03	-9.38	3	Vertical	0	1.00	-
5700MHz	Pass	PK	817.64M	39.84	46.00	-6.16	-7.59	3	Vertical	0	1.00	-
5700MHz	Pass	PK	916.58M	36.02	46.00	-9.98	-6.12	3	Vertical	0	1.00	-
5700MHz	Pass	PK	55.22M	12.68	40.00	-27.32	-25.00	3	Horizontal	360	1.00	-
5700MHz	Pass	PK	239.52M	27.14	46.00	-18.86	-18.65	3	Horizontal	360	1.00	-
5700MHz	Pass	PK	431.58M	24.38	46.00	-21.62	-12.87	3	Horizontal	360	1.00	-
5700MHz	Pass	PK	567.38M	30.44	46.00	-15.56	-10.13	3	Horizontal	360	1.00	-
5700MHz	Pass	PK	699.3M	35.43	46.00	-10.57	-9.31	3	Horizontal	360	1.00	-
5700MHz	Pass	PK	986.42M	33.29	54.00	-20.71	-4.52	3	Horizontal	360	1.00	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

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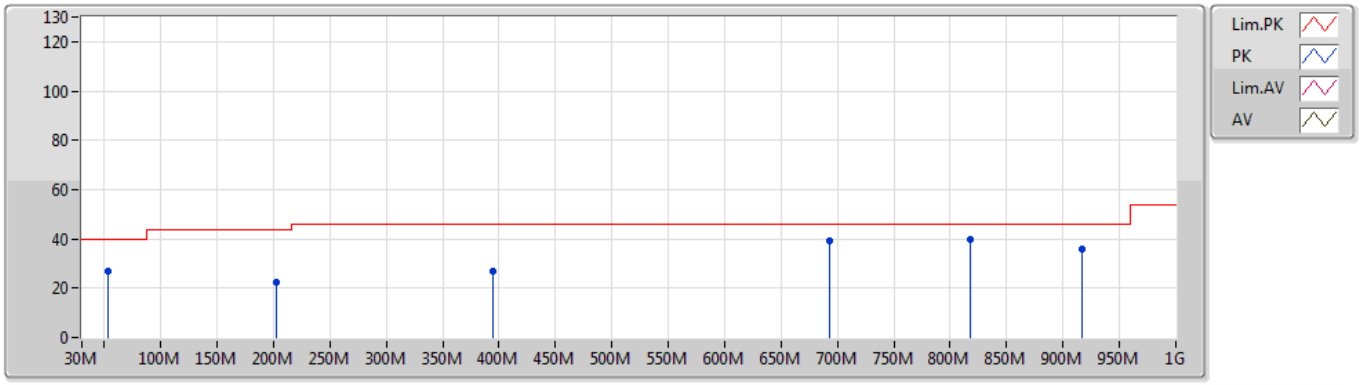
5700MHz_Adapter

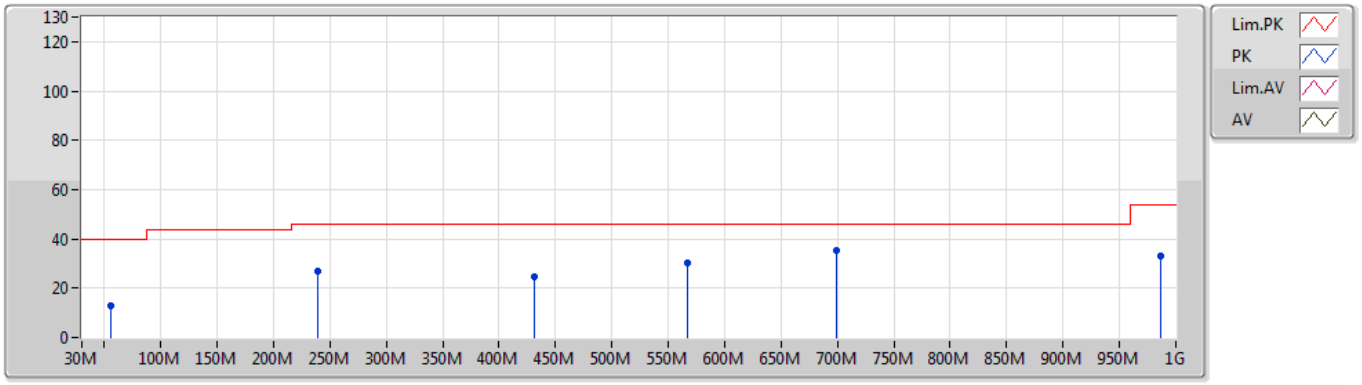


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	53.28M	27.16	40.00	-12.84	-24.39	3	Vertical	0	1.00	-	51.55	12.15	0.60	37.14
PK	202.66M	22.67	43.50	-20.83	-20.95	3	Vertical	0	1.00	-	43.62	14.22	1.19	36.36
PK	394.72M	26.70	46.00	-19.30	-14.07	3	Vertical	0	1.00	-	40.77	20.89	1.66	36.62
PK	693.48M	38.97	46.00	-7.03	-9.38	3	Vertical	0	1.00	-	48.35	25.70	2.27	37.35
PK	817.64M	39.84	46.00	-6.16	-7.59	3	Vertical	0	1.00	-	47.43	27.43	2.48	37.50
PK	916.58M	36.02	46.00	-9.98	-6.12	3	Vertical	0	1.00	-	42.14	28.75	2.56	37.43

802.11a_Nss1,(6Mbps)_1TX(Port1)

08/07/2019

5700MHz_Adapter



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	55.22M	12.68	40.00	-27.32	-25.00	3	Horizontal	360	1.00	-	37.68	11.52	0.60	37.12
PK	239.52M	27.14	46.00	-18.86	-18.65	3	Horizontal	360	1.00	-	45.79	16.49	1.27	36.41
PK	431.58M	24.38	46.00	-21.62	-12.87	3	Horizontal	360	1.00	-	37.25	22.08	1.77	36.72
PK	567.38M	30.44	46.00	-15.56	-10.13	3	Horizontal	360	1.00	-	40.57	24.95	2.04	37.12
PK	699.3M	35.43	46.00	-10.57	-9.31	3	Horizontal	360	1.00	-	44.74	25.77	2.28	37.36
PK	986.42M	33.29	54.00	-20.71	-4.52	3	Horizontal	360	1.00	-	37.81	29.98	2.63	37.13

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX(Port1)	Pass	PK	5.7916G	63.68	68.20	-4.52	11.74	3	Horizontal	129	2.99	-

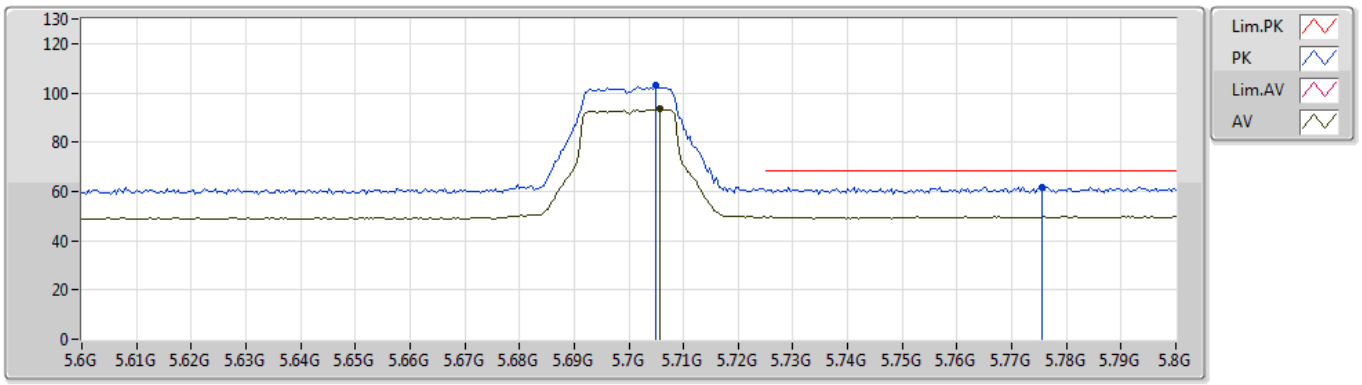
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-	-	-	-	-	-	-
5700MHz	Pass	AV	5.7056G	93.42	Inf	-Inf	11.42	3	Vertical	160	1.01	-
5700MHz	Pass	PK	5.7048G	103.13	Inf	-Inf	11.41	3	Vertical	160	1.01	-
5700MHz	Pass	PK	5.7756G	61.89	68.20	-6.31	11.69	3	Vertical	160	1.01	-
5700MHz	Pass	AV	5.7064G	95.17	Inf	-Inf	11.42	3	Horizontal	129	2.99	-
5700MHz	Pass	PK	5.706G	104.93	Inf	-Inf	11.42	3	Horizontal	129	2.99	-
5700MHz	Pass	PK	5.7916G	63.68	68.20	-4.52	11.74	3	Horizontal	129	2.99	-
5700MHz	Pass	AV	11.40172G	47.14	54.00	-6.86	20.96	3	Vertical	334	1.50	-
5700MHz	Pass	PK	11.40174G	60.11	74.00	-13.89	20.96	3	Vertical	334	1.50	-
5700MHz	Pass	AV	11.40126G	47.14	54.00	-6.86	20.96	3	Horizontal	355	1.49	-
5700MHz	Pass	PK	11.39875G	60.07	74.00	-13.93	20.96	3	Horizontal	355	1.49	-

802.11a_Nss1,(6Mbps)_1TX(Port1)

5700MHz_TX

08/07/2019

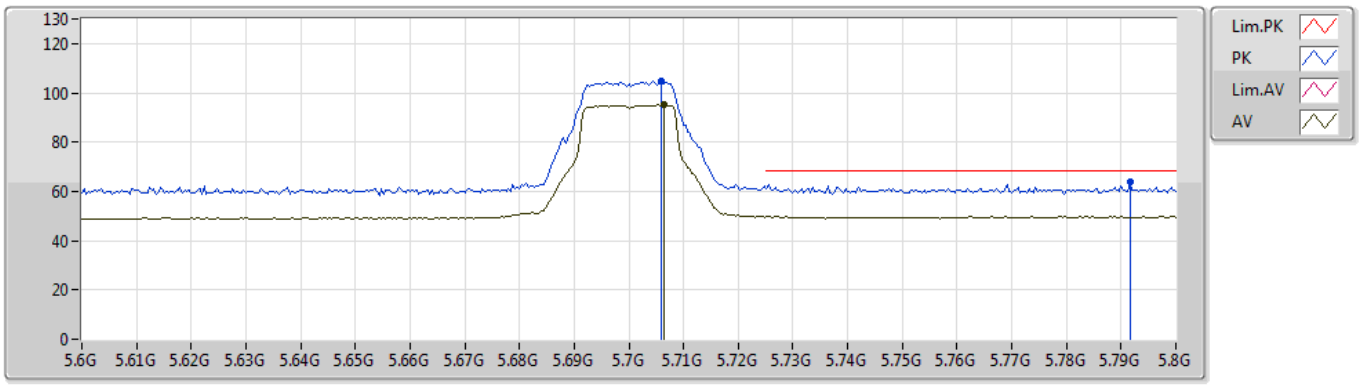


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7056G	93.42	Inf	-Inf	11.42	3	Vertical	160	1.01	-	82.00	31.82	9.35	29.75
PK	5.7048G	103.13	Inf	-Inf	11.41	3	Vertical	160	1.01	-	91.72	31.81	9.35	29.75
PK	5.7756G	61.89	68.20	-6.31	11.69	3	Vertical	160	1.01	-	50.20	32.03	9.44	29.78

802.11a_Nss1,(6Mbps)_1TX(Port1)

5700MHz_TX

08/07/2019

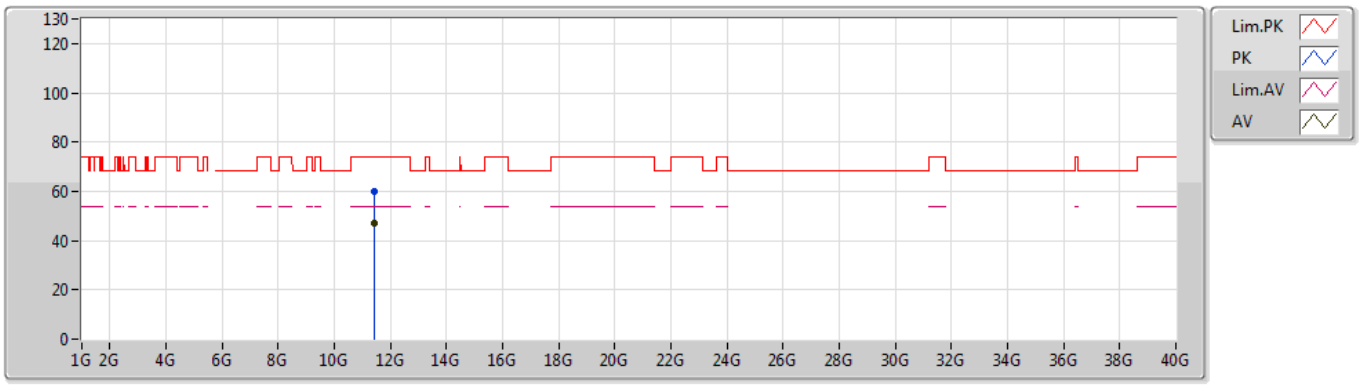


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	5.7064G	95.17	Inf	-Inf	11.42	3	Horizontal	129	2.99	-	83.75	31.82	9.35	29.75
PK	5.706G	104.93	Inf	-Inf	11.42	3	Horizontal	129	2.99	-	93.51	31.82	9.35	29.75
PK	5.7916G	63.68	68.20	-4.52	11.74	3	Horizontal	129	2.99	-	51.94	32.07	9.46	29.79

802.11a_Nss1,(6Mbps)_1TX(Port1)

5700MHz_TX

08/07/2019

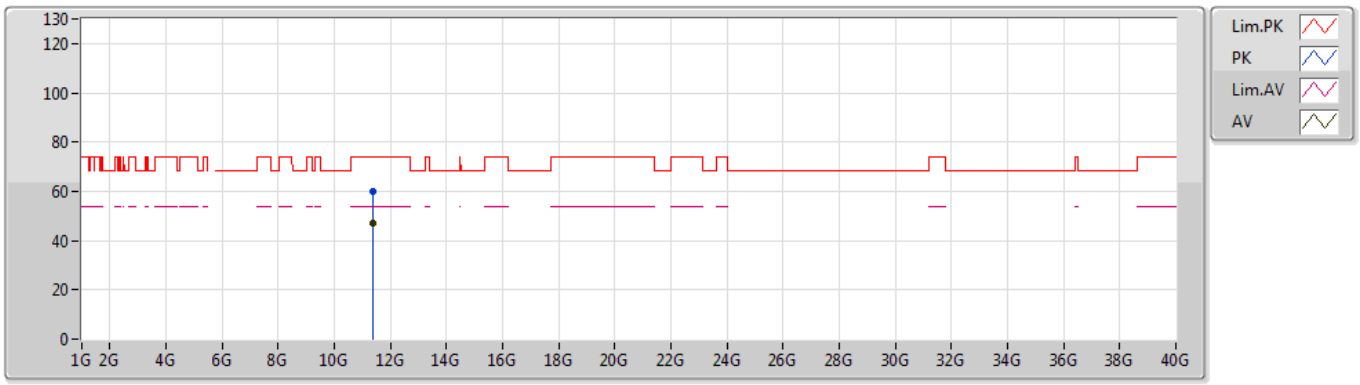


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	11.40172G	47.14	54.00	-6.86	20.96	3	Vertical	334	1.50	-	26.18	39.68	12.55	31.27
PK	11.40174G	60.11	74.00	-13.89	20.96	3	Vertical	334	1.50	-	39.15	39.68	12.55	31.27

802.11a_Nss1,(6Mbps)_1TX(Port1)

5700MHz_TX

08/07/2019



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	11.40126G	47.14	54.00	-6.86	20.96	3	Horizontal	355	1.49	-	26.18	39.68	12.55	31.27
PK	11.39875G	60.07	74.00	-13.93	20.96	3	Horizontal	355	1.49	-	39.11	39.68	12.55	31.27