

# Conducted test results

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Test Standard(s)                      FCC 15.247 - NI

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## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

### References

TC start	27.02.2024 09:24:36
Ambit temp [°C]   humidity [rel%]	20.8   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 b mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2412 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	20.57	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

### References

TC start	27.02.2024 09:25:16
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 b mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	True   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2437 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	20.34	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 b mode

### References

TC start	27.02.2024 09:25:51
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 b mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 b mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	True   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2462 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	20.4	dBm	PASS

Verdict

PASS



## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

### References

TC start	27.02.2024 09:26:27
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 g mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2412 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.8	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

### References

TC start	27.02.2024 09:26:58
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 g mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	True   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2437 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.68	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 g mode

### References

TC start	27.02.2024 09:27:42
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 g mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 g mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	True   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2462 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.8	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

### References

TC start	27.02.2024 09:28:24
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2412 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.94	dBm	PASS

Verdict

PASS



## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

### References

TC start	27.02.2024 09:29:07
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	True   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2437 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.84	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT20 mode

### References

TC start	27.02.2024 09:29:42
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT20 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2412
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	True   Freq [MHz] 2462
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2462 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.68	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT40 mode

### References

TC start	27.02.2024 09:30:29
Ambit temp [°C]   humidity [rel%]	20.9   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT40 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 2422
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2452
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2422 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	24	dBm	PASS

Verdict

PASS

## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT40 mode

### References

TC start	27.02.2024 09:31:09
Ambit temp [°C]   humidity [rel%]	21.0   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT40 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2422
Frequency mid to test	True   Freq [MHz] 2437
Frequency high to test	False   Freq [MHz] 2452
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2437 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	24.06	dBm	PASS

Verdict

PASS



## FCC 15.247 # Peak output power PM DTS ~ WLAN2G4 n-HT40 mode

### References

TC start	27.02.2024 09:31:49
Ambit temp [°C]   humidity [rel%]	21.0   40
System version	4.7.1.6
Standard   Version	FCC 15.247   NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
Description	FCC 15.247 Peak output power PM DTS - WLAN2G4 n-HT40 mode
Information	

### EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	No

### Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
Antenna port used	1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 2422
Frequency mid to test	False   Freq [MHz] 2437
Frequency high to test	True   Freq [MHz] 2452
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.7
Full path name   type	EUT - SignalingUnit - PowerMeter

### Equipment

Switch matrix,CTCadvanced,SPM-4 NI DAQ,28016133,NI
Power sensor,Keysight Technologies,U2021XA,MY59190010,A.04.06

## Test at TX 2452 MHz

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	--	30	23.88	dBm	PASS

Verdict

PASS

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