

Measurement Results

No.1-5071/22-01-02_Log1_conducted

Test logging

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Document authorized:

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EUT Information

EUT DEFINITION

Manufacturer	MEC
Type	Display
Serial Number	NI
Setup Number	1.0
Version SW	NI
Version FW	NI
Version HW	NI
Comment 1	
Comment 2	
Temperature [°C] Min	-20
Temperature [°C] Nom	20
Temperature [°C] Max	55
Voltage [V] Min	3.3
Voltage [V] Nom	3.8
Voltage [V] Max	4.2

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 n-HT20 mode

Test References

TC Start	25.01.2023 10:27:54
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 n-HT20 mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2462 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	14.92	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 n-HT20 mode

Test References

TC Start	25.01.2023 10:27:12
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 n-HT20 mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2437 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	14.77	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 n-HT20 mode

Test References

TC Start	25.01.2023 10:26:50
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 n-HT20 mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2412 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.11	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 g mode

Test References

TC Start	25.01.2023 10:24:22
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 g mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2462 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.56	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 g mode

Test References

TC Start	25.01.2023 10:23:37
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 g mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2437 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.39	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 g mode

Test References

TC Start	25.01.2023 10:23:08
Ambit Temp [°C] Humidity [rel%]	24.9 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 g mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2412 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.2	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 b mode

Test References

TC Start	25.01.2023 10:21:10
Ambit Temp [°C] Humidity [rel%]	24.8 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 b mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2462 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.57	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 b mode

Test References

TC Start	25.01.2023 10:20:43
Ambit Temp [°C] Humidity [rel%]	24.8 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 b mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2437 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.28	dBm	PASS

Verdict

PASS

FCC 15.247 # Maximum peak conducted output power PM DTS ~ WLAN2G4 b mode

Test References

TC Start	25.01.2023 10:20:06
Ambit Temp [°C] Humidity [rel%]	24.8 24
System Version	3.3.4.3
Test Specification	FCC 15.247 -
Test Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.3 PKPM1 Peak-reading Power Meter Method
TC Version	0.0.1
My Description	FCC 15.247 Max Peak Output Power Powermeter Conducted DTS - WLAN2G4 b mode

Add. Information

EUT Common Settings WLAN2G4

Number of Antenna Ports	1
User Interaction	Yes

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
Switched Path	EUT - SignalingUnit - PowerMeter

Test Equipment

Switch matrix,CTCadvanced,RSM-1 NI DAQ,31534892,NI

Power sensor,Keysight Technologies,U2042XA,MY58020014,A.02.06

Test at TX 2412 MHz

RESULT

<i>Test Description</i>	<i>Lower Limit</i>	<i>Upper Limit</i>	<i>Measured</i>	<i>Unit</i>	<i>Verdict</i>
Found Peak cond.	--	--	15.15	dBm	PASS

Verdict

PASS

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