Conducted test results

No.1-8481-24-01-15_TR1-A201-R01

July 30, 2025

Test Standard(s)	FCC 15.247 - NI

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FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 b mode

References

TC start	16.07.2025 11:17:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2412 MHz

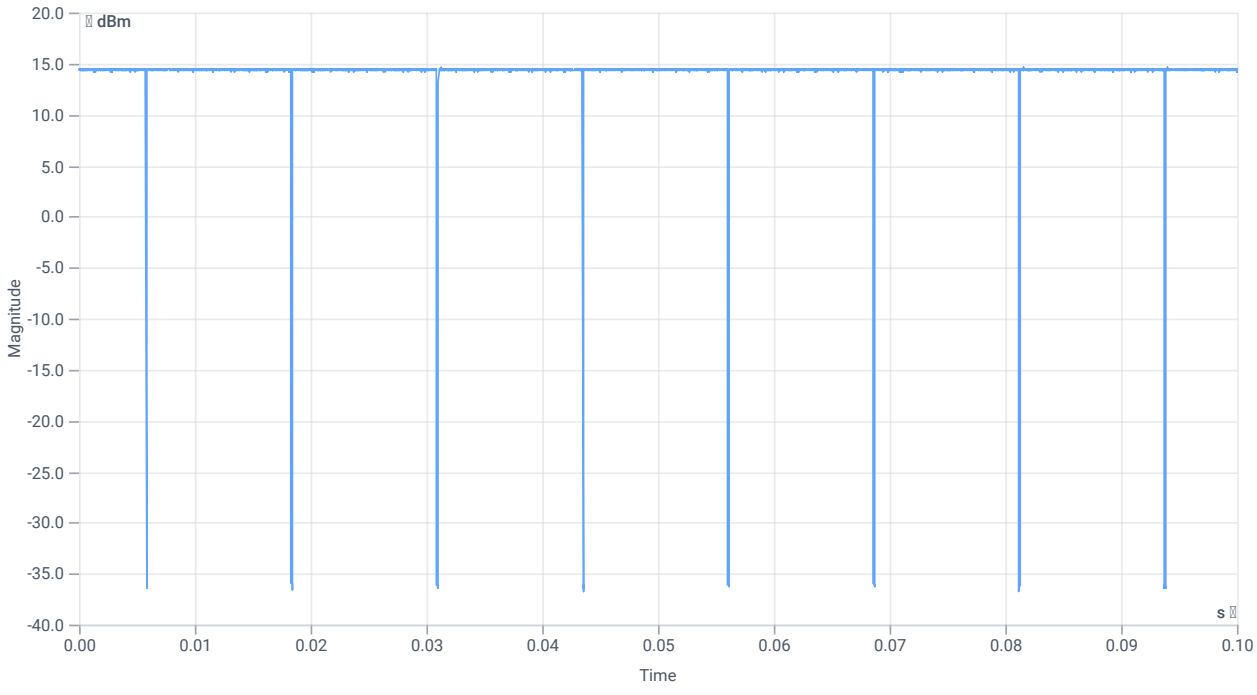
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.37	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.984	---	INFO
Duty cycle min	---	---	0.07	dB	INFO
Max TX burst length	---	---	12.4	ms	INFO
Min gap length	---	---	0.15	ms	INFO
Max gap length	---	---	0.2	ms	INFO

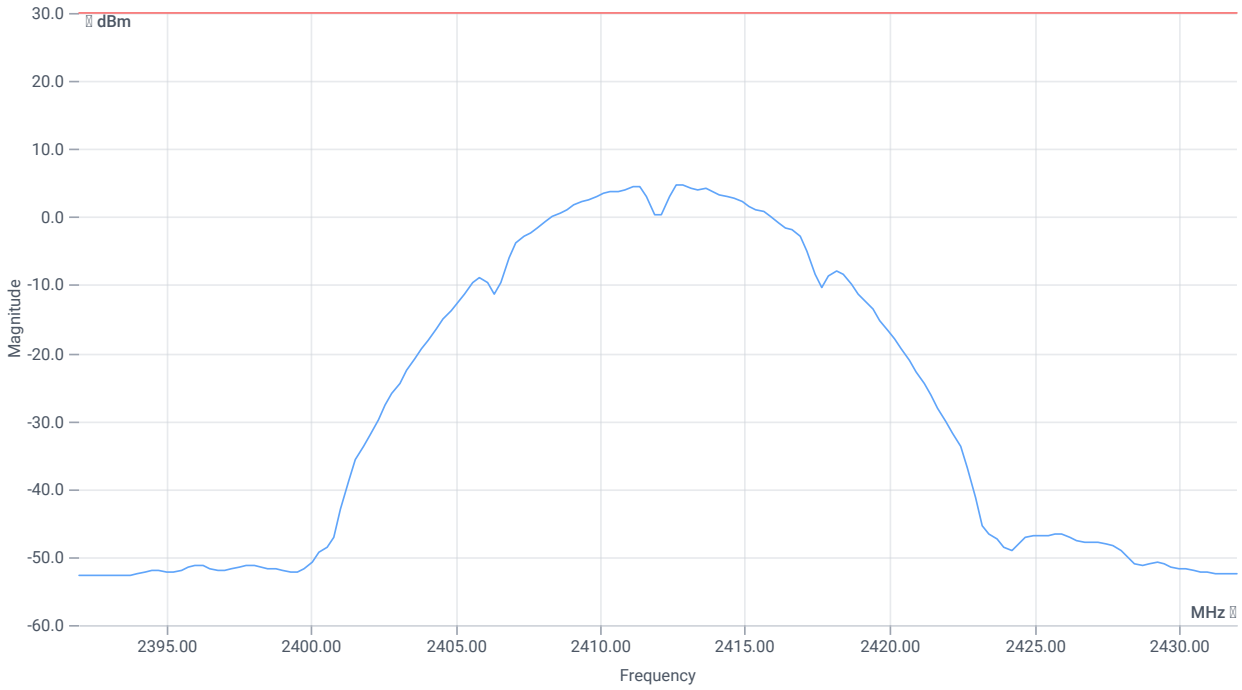


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.37 | 8.88 | 30
Start [MHz] | Stop [MHz]	2392.000 | 2432.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	15.09	dBm	INFO
Duty cycle correction	---	---	0.07	dB	INFO
Avg power DC corrected	---	30	15.16	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 b mode

References

TC start	16.07.2025 11:19:42
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2437 MHz

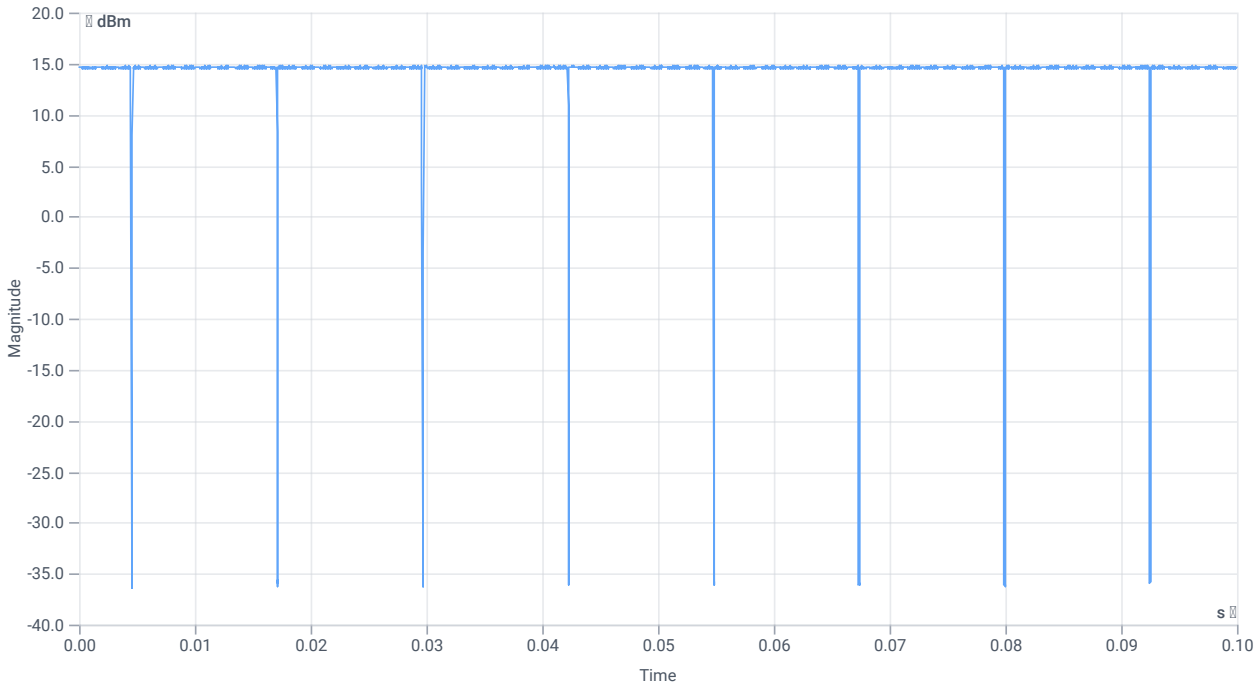
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.41	dBm	INFO
Ref. frequency	---	---	2438.200	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.982	---	INFO
Duty cycle min	---	---	0.079	dB	INFO
Max TX burst length	---	---	12.425	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

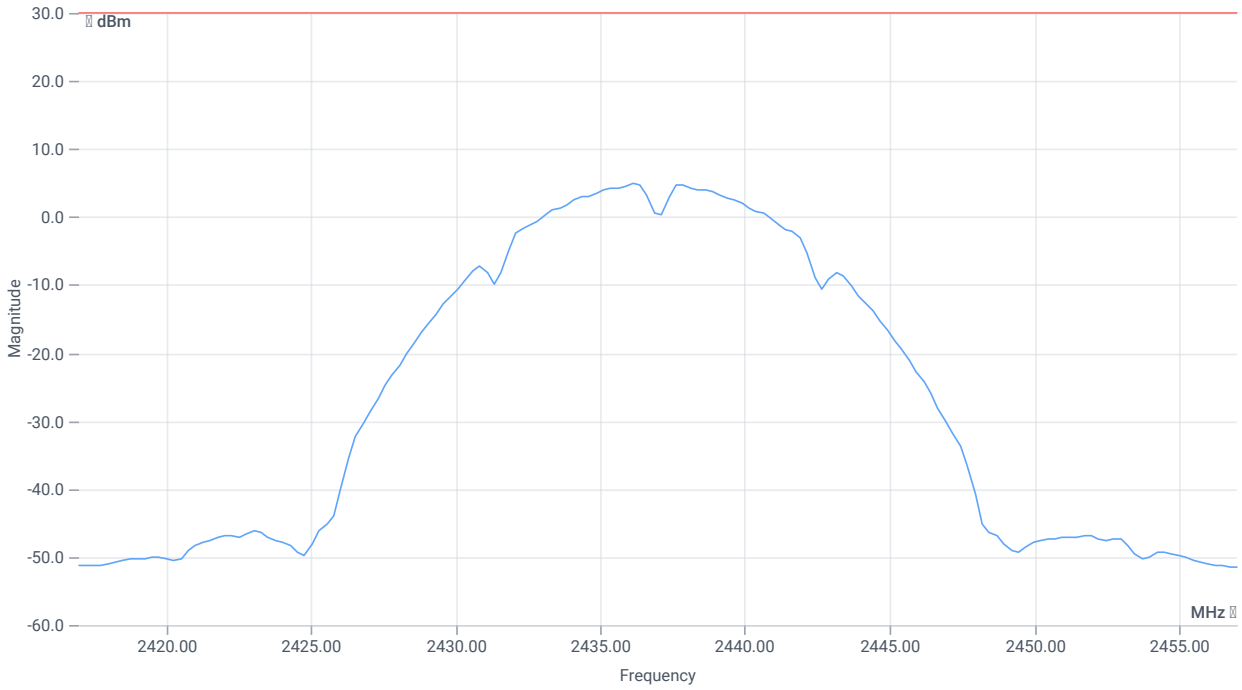


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.41 | 8.94 | 30
Start [MHz] | Stop [MHz]	2417.000 | 2457.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	15.33	dBm	INFO
Duty cycle correction	---	---	0.08	dB	INFO
Avg power DC corrected	---	30	15.41	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 b mode

References

TC start	16.07.2025 11:21:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2462 MHz

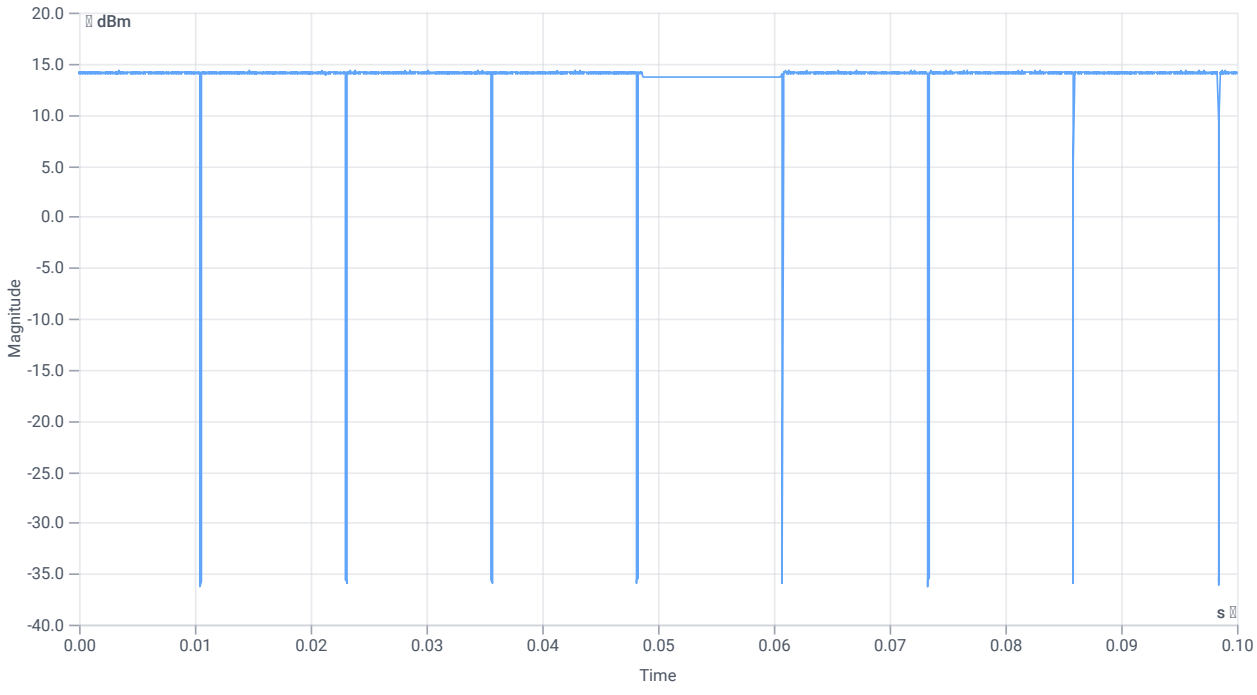
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.14	dBm	INFO
Ref. frequency	---	---	2463.200	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.986	---	INFO
Duty cycle min	---	---	0.061	dB	INFO
Max TX burst length	---	---	12.425	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.175	ms	INFO

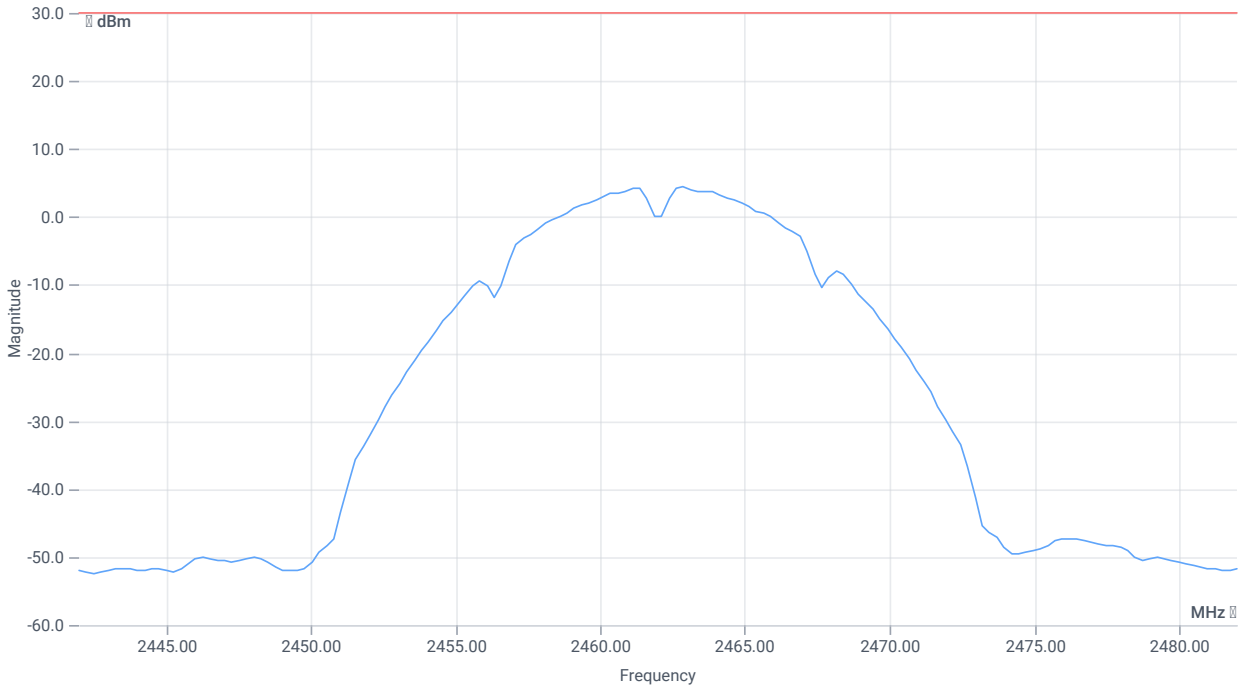


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.14 | 8.99 | 30
Start [MHz] | Stop [MHz]	2442.000 | 2482.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	14.8	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
Avg power DC corrected	---	30	14.86	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 g mode

References

TC start	16.07.2025 11:23:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2412 MHz

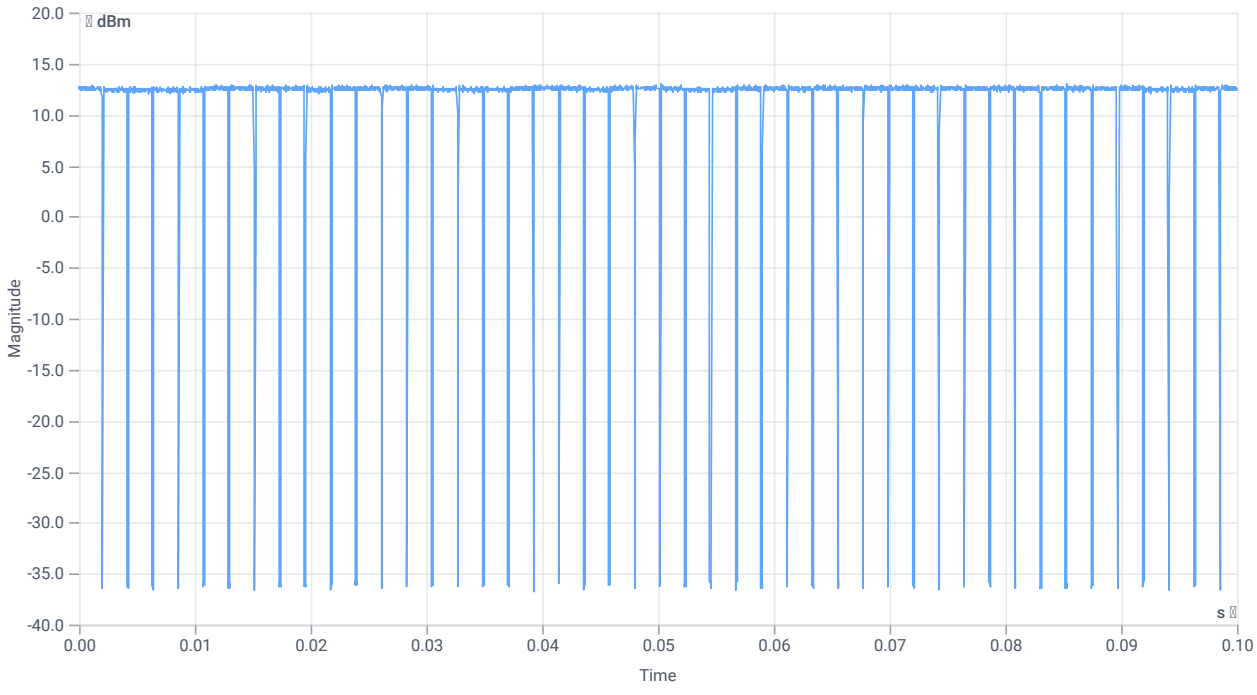
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.04	dBm	INFO
Ref. frequency	---	---	2415.000	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 44					
Duty cycle (burst Ratio) max	---	---	0.943	---	INFO
Duty cycle max	---	---	0.255	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.9	---	INFO
Duty cycle min	---	---	0.458	dB	INFO
Max TX burst length	---	---	2.05	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

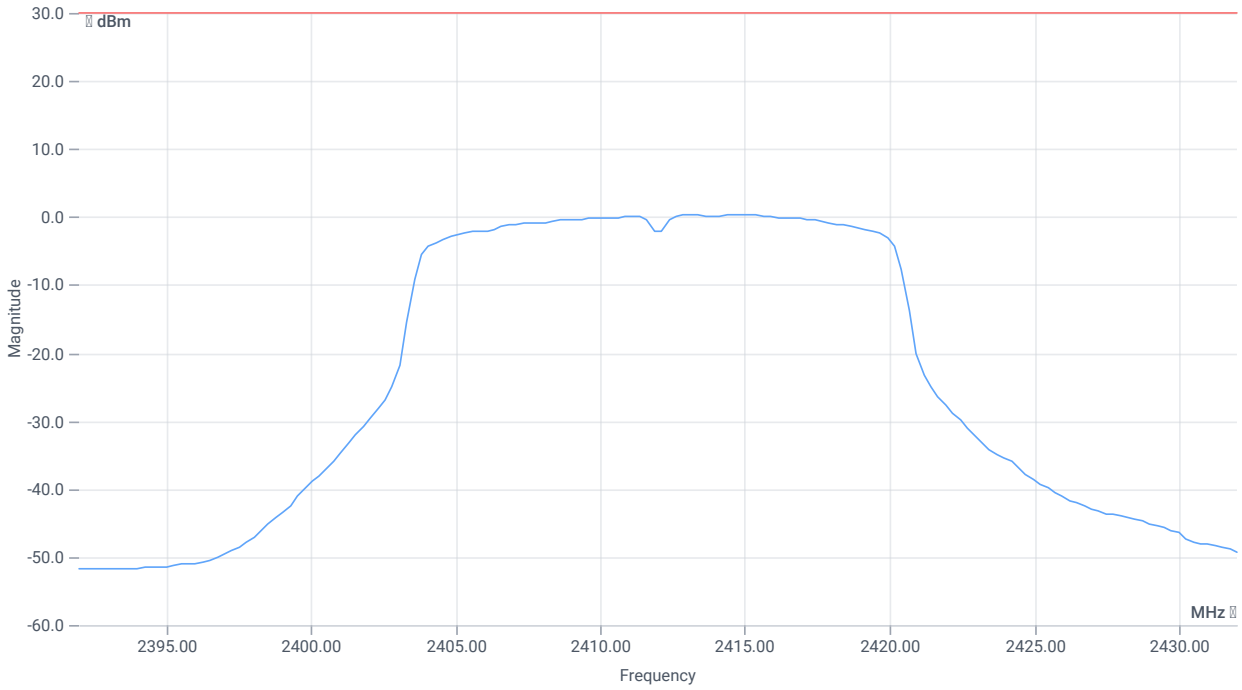


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.04 | 8.88 | 30
Start [MHz] | Stop [MHz]	2392.000 | 2432.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	14.1	dBm	INFO
Duty cycle correction	---	---	0.46	dB	INFO
Avg power DC corrected	---	30	14.56	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 g mode

References

TC start	16.07.2025 11:25:37
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2437 MHz

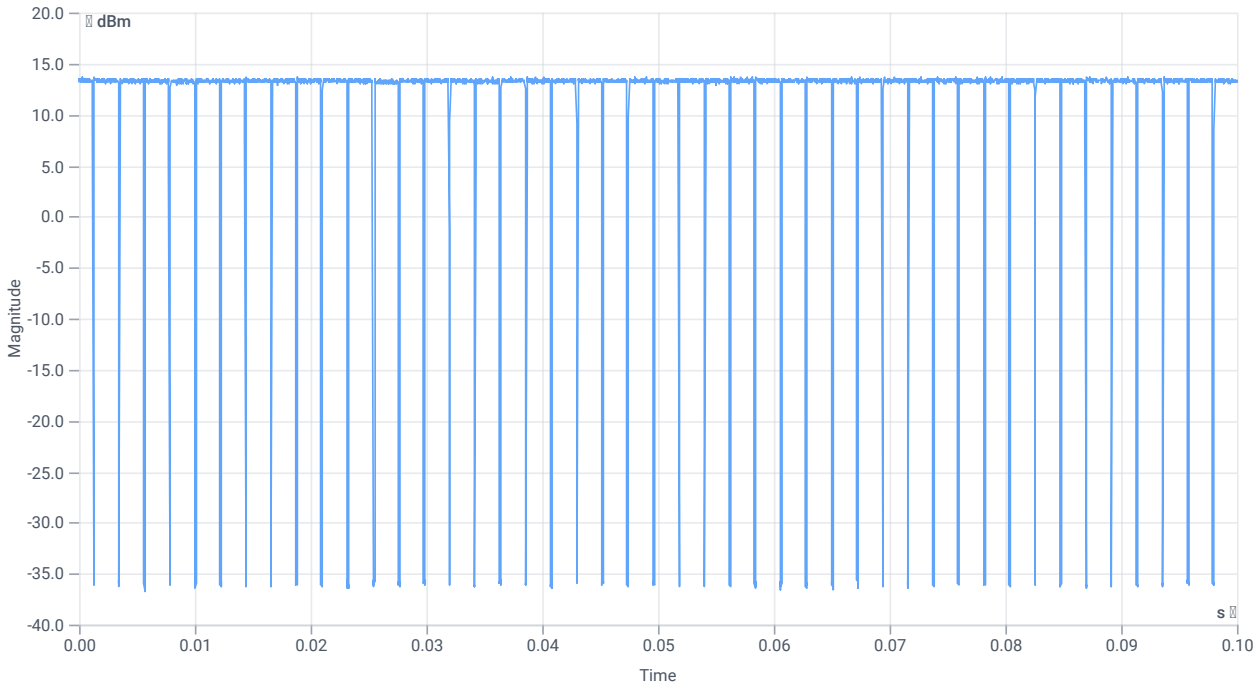
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.29	dBm	INFO
Ref. frequency	---	---	2433.600	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 44					
Duty cycle (burst Ratio) max	---	---	0.943	---	INFO
Duty cycle max	---	---	0.255	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.9	---	INFO
Duty cycle min	---	---	0.458	dB	INFO
Max TX burst length	---	---	2.05	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

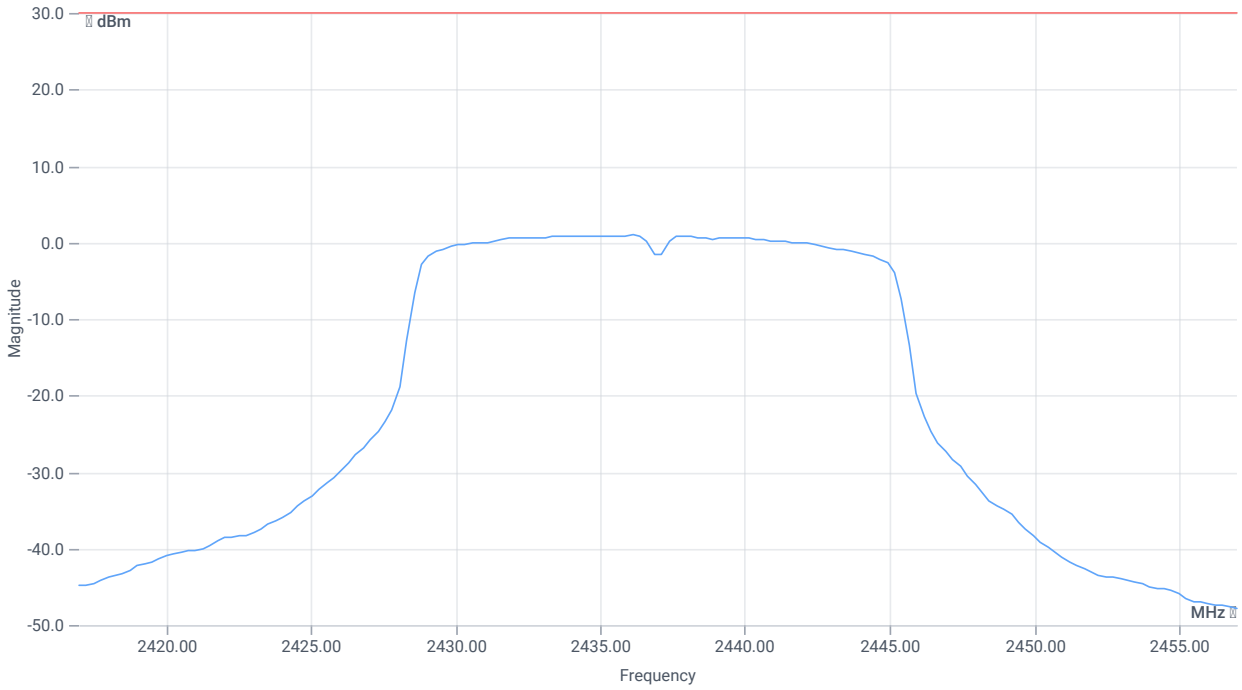


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.29 | 8.94 | 30
Start [MHz] | Stop [MHz]	2417.000 | 2457.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	14.96	dBm	INFO
Duty cycle correction	---	---	0.46	dB	INFO
Avg power DC corrected	---	30	15.42	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 g mode

References

TC start	16.07.2025 11:27:35
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2462 MHz

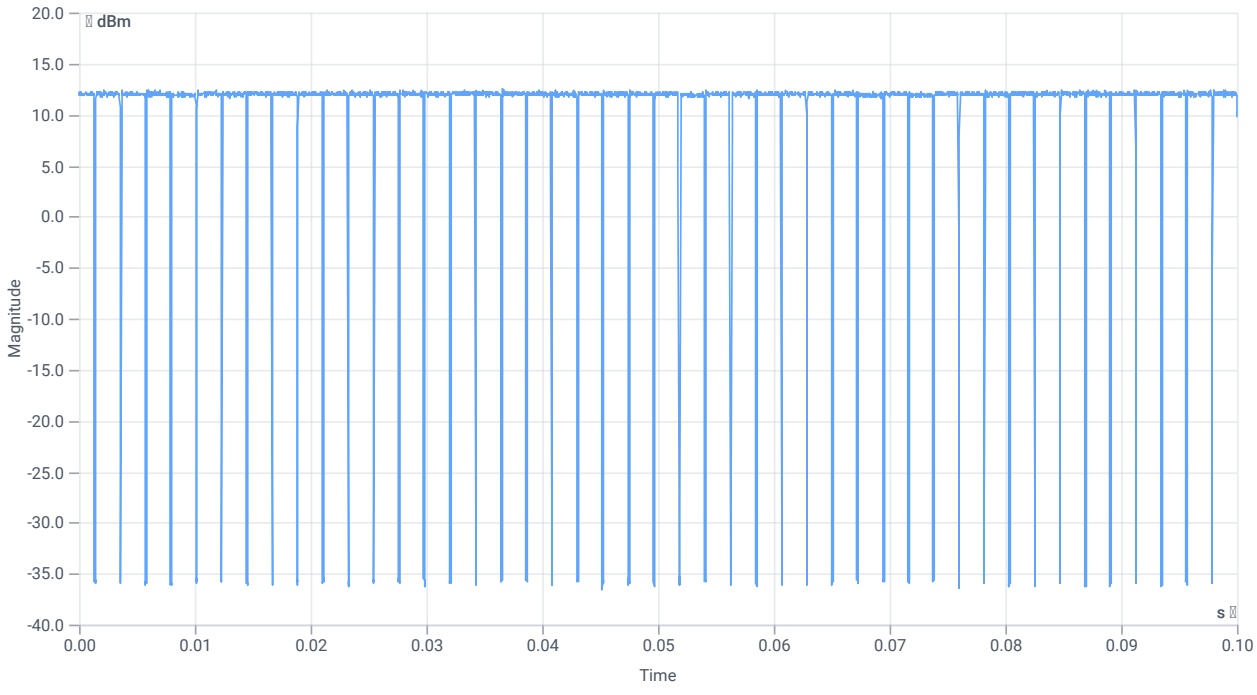
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.56	dBm	INFO
Ref. frequency	---	---	2465.000	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 44					
Duty cycle (burst Ratio) max	---	---	0.943	---	INFO
Duty cycle max	---	---	0.255	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.9	---	INFO
Duty cycle min	---	---	0.458	dB	INFO
Max TX burst length	---	---	2.05	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

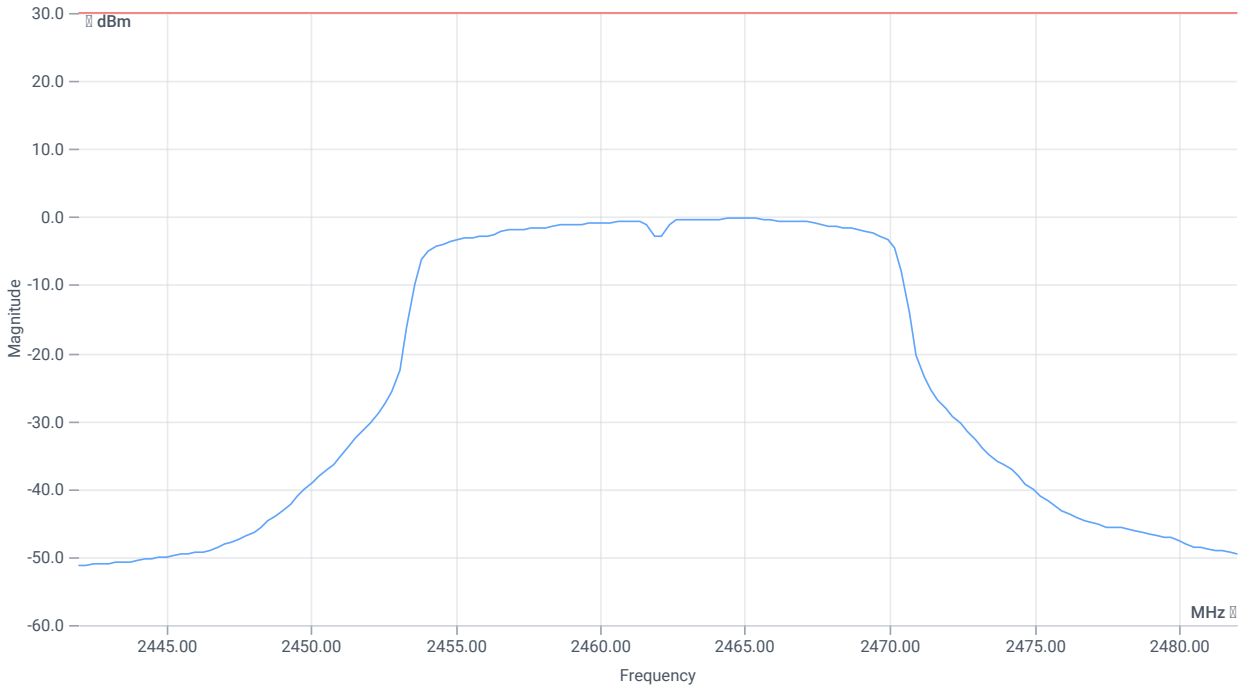


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.56 | 8.99 | 30
Start [MHz] | Stop [MHz]	2442.000 | 2482.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	13.51	dBm	INFO
Duty cycle correction	---	---	0.46	dB	INFO
Avg power DC corrected	---	30	13.97	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 n-HT20 mode

References

TC start	16.07.2025 11:29:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2412 MHz

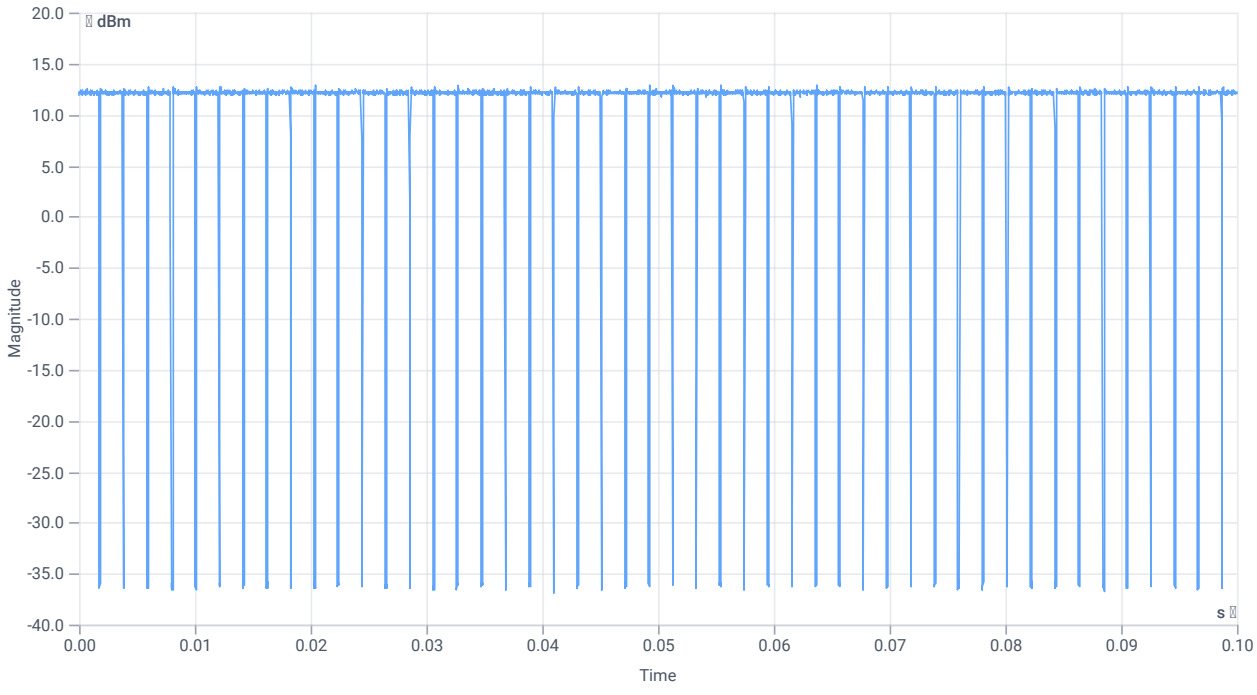
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.28	dBm	INFO
Ref. frequency	---	---	2415.900	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 47					
Duty cycle (burst Ratio) max	---	---	0.938	---	INFO
Duty cycle max	---	---	0.278	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.893	---	INFO
Duty cycle min	---	---	0.491	dB	INFO
Max TX burst length	---	---	1.9	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

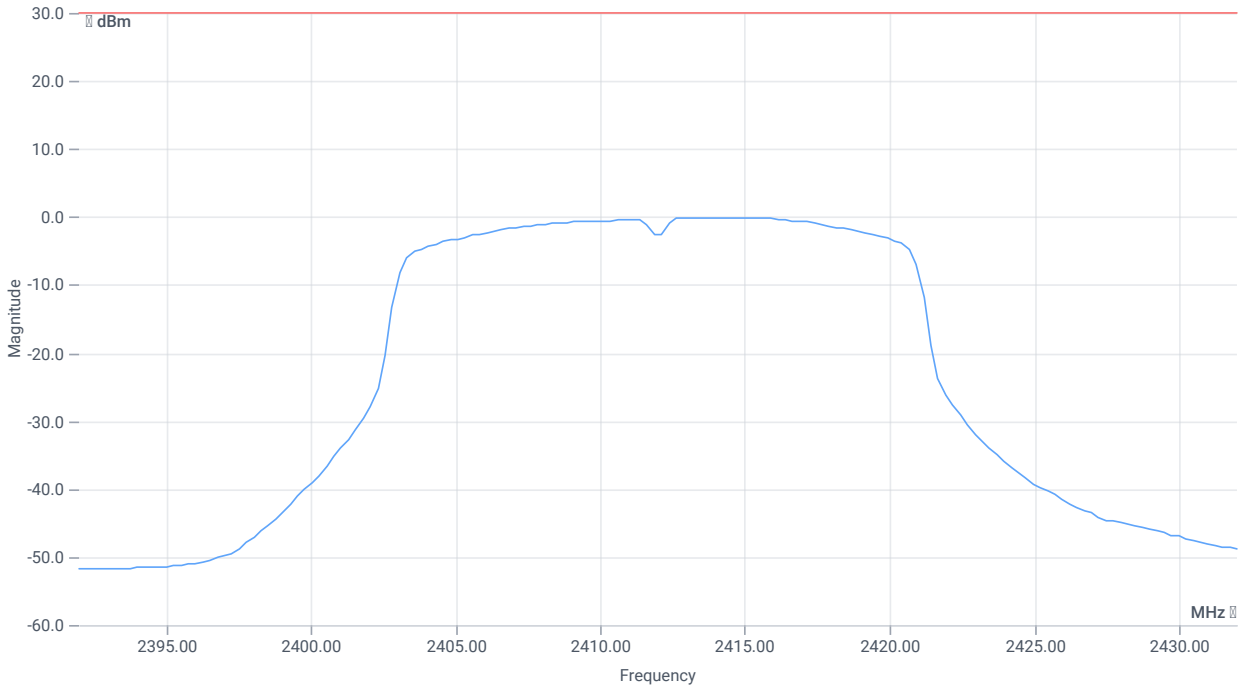


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.28 | 8.88 | 30
Start [MHz] | Stop [MHz]	2392.000 | 2432.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	13.82	dBm	INFO
Duty cycle correction	---	---	0.49	dB	INFO
Avg power DC corrected	---	30	14.31	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 n-HT20 mode

References

TC start	16.07.2025 11:31:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2437 MHz

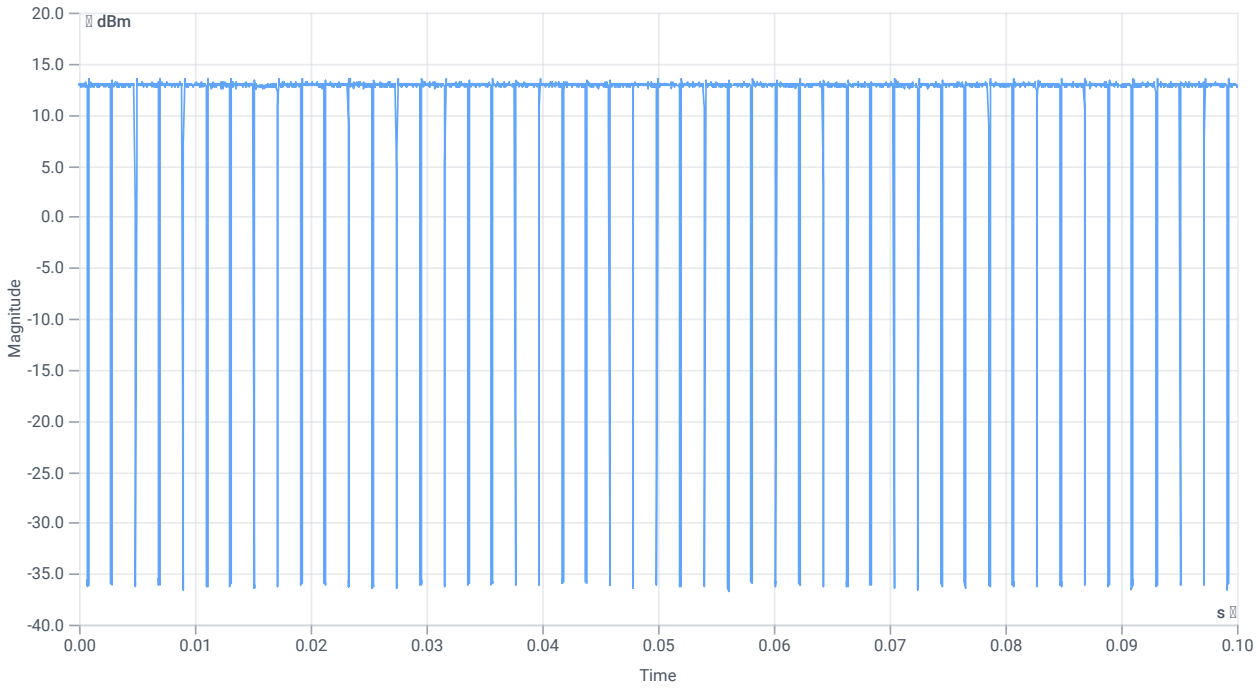
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.16	dBm	INFO
Ref. frequency	---	---	2432.900	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.938	---	INFO
Duty cycle max	---	---	0.278	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.893	---	INFO
Duty cycle min	---	---	0.491	dB	INFO
Max TX burst length	---	---	1.9	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

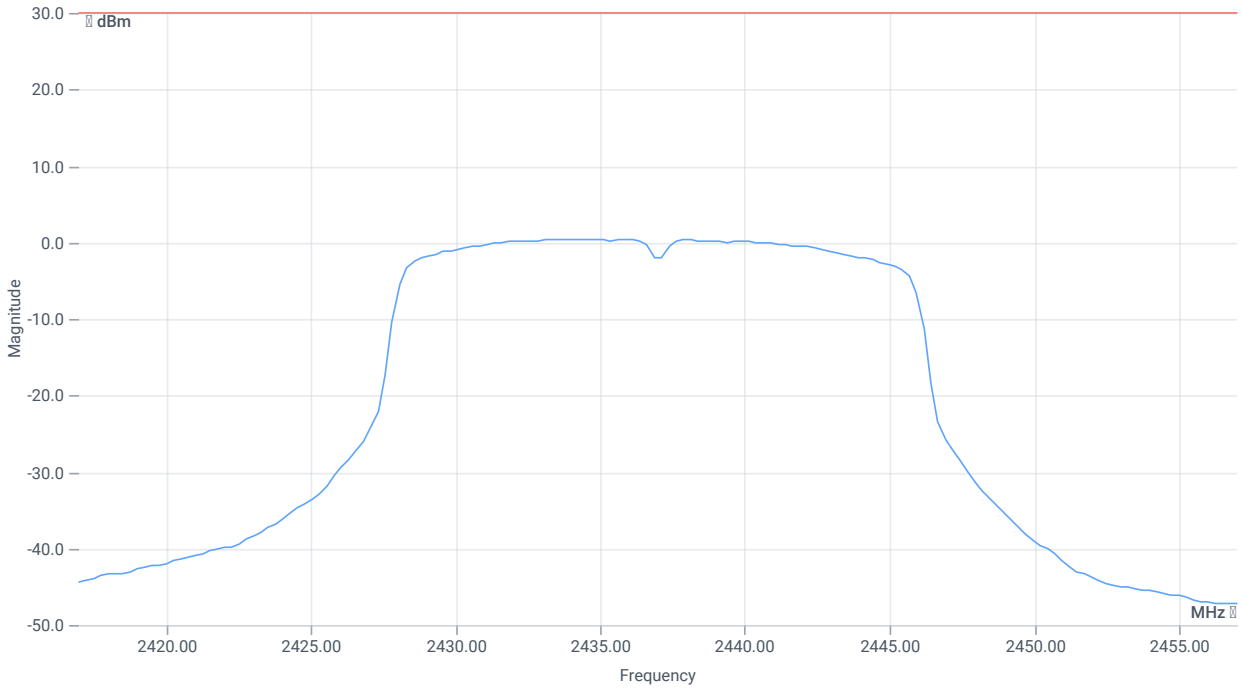


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.16 | 8.94 | 30
Start [MHz] | Stop [MHz]	2417.000 | 2457.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	14.71	dBm	INFO
Duty cycle correction	---	---	0.49	dB	INFO
Avg power DC corrected	---	30	15.2	dBm	PASS

Verdict
PASS

FCC 15.247 # Avg output power SA DTS ~ WLAN2G4 n-HT20 mode

References

TC start	16.07.2025 11:33:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.2.3
Standard | Version	FCC 15.247 | NI
Method	ANSI C63.10-2013 Chapter 11.9.2.2.2 or .4
Description	FCC 15.247 Avg output power SA DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	1
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.70
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT1
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 type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2462 MHz

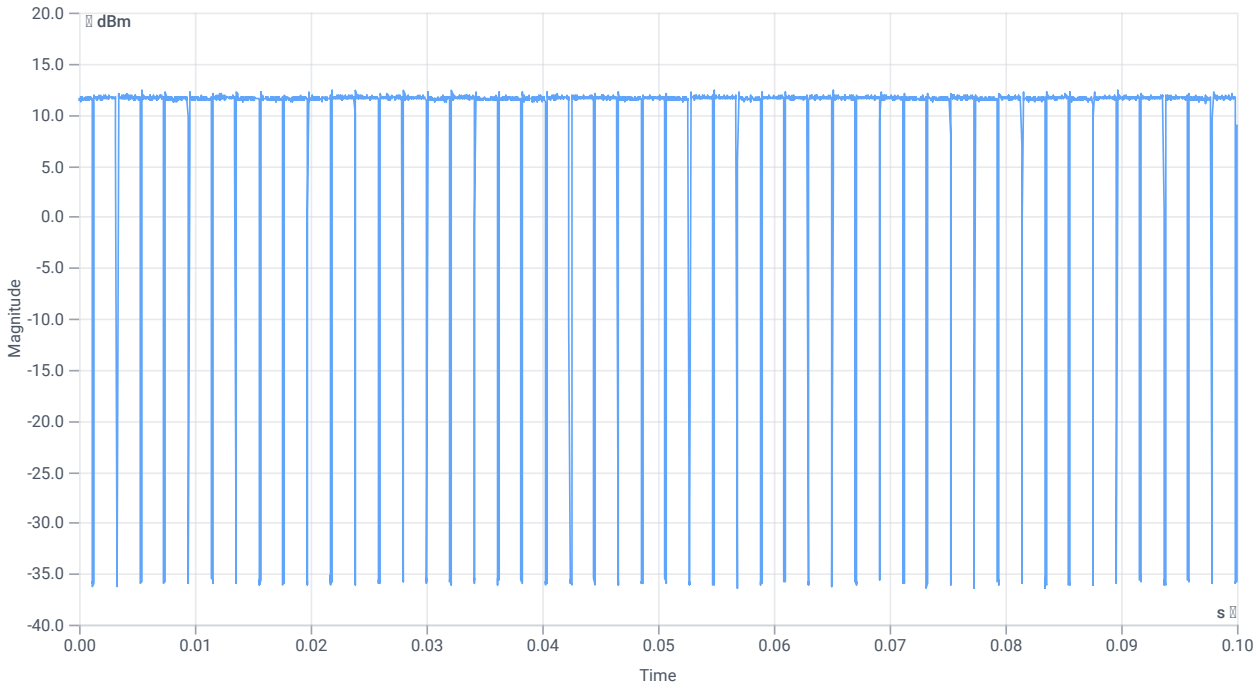
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.10	dBm	INFO
Ref. frequency	---	---	2463.500	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.938	---	INFO
Duty cycle max	---	---	0.278	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.893	---	INFO
Duty cycle min	---	---	0.491	dB	INFO
Max TX burst length	---	---	1.9	ms	INFO
Min gap length	---	---	0.125	ms	INFO
Max gap length	---	---	0.225	ms	INFO

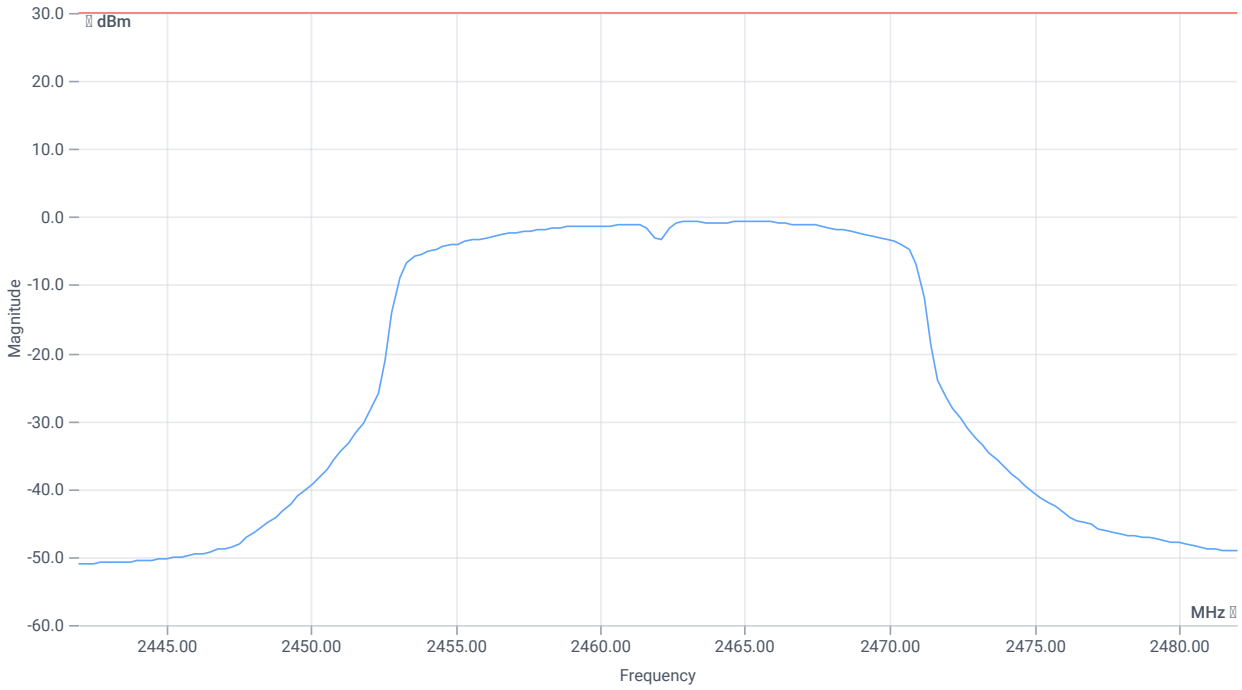


Duty cycle

Avg output power SA DTS

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.10 | 8.99 | 30
Start [MHz] | Stop [MHz]	2442.000 | 2482.000
RBW [MHz] | VBW [MHz]	0.500000 | 2.000000
Detector | TraceMode	RMS | AVER
Sweep: time [ms] | count | points per Section | type	500 | 100 | 160 | SWE



Avg output power SA DTS

RESULT (Channel power method)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Avg output power uncorrected	---	---	13.27	dBm	INFO
Duty cycle correction	---	---	0.49	dB	INFO
Avg power DC corrected	---	30	13.76	dBm	PASS

Verdict

PASS

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