Conducted test results

No.1-2152-25-01-09_TR1-A201-R01

June 26, 2026

Test Standard(s)	FCC 15.407 - NI
	ISED RSS247 - NI

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Authorized

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FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 525
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 530
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3 535
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FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3 **645**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A **650**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A **655**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A **660**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A **665**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **670**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **675**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **680**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **685**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **690**
FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C **695**

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:42:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5180 MHz

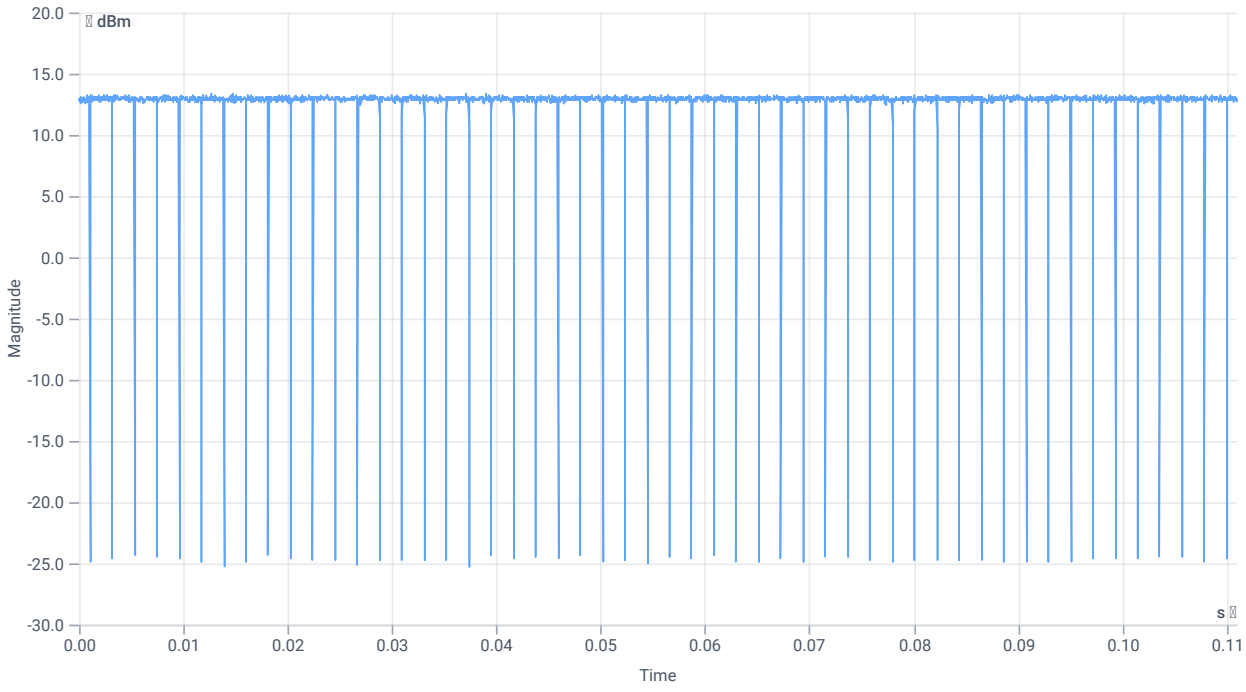
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.35	dBm	INFO
Ref. frequency	---	---	5177.800	MHz	INFO

Evaluation max. duty cycle

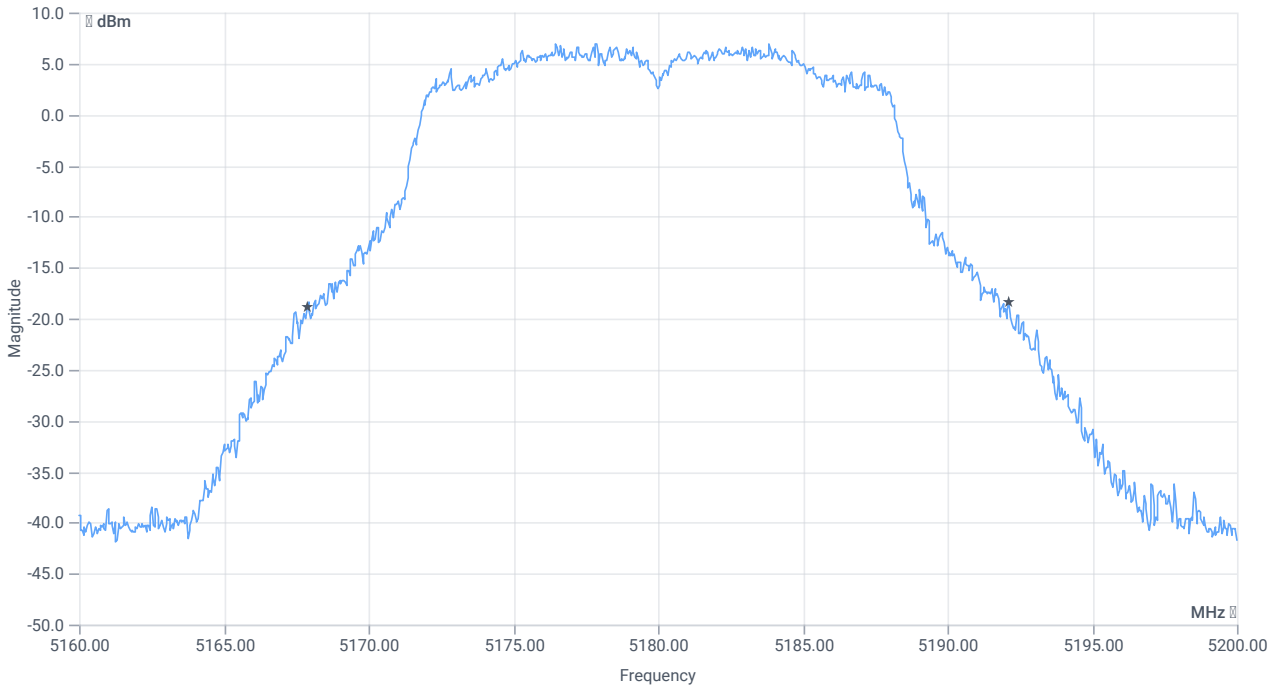
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

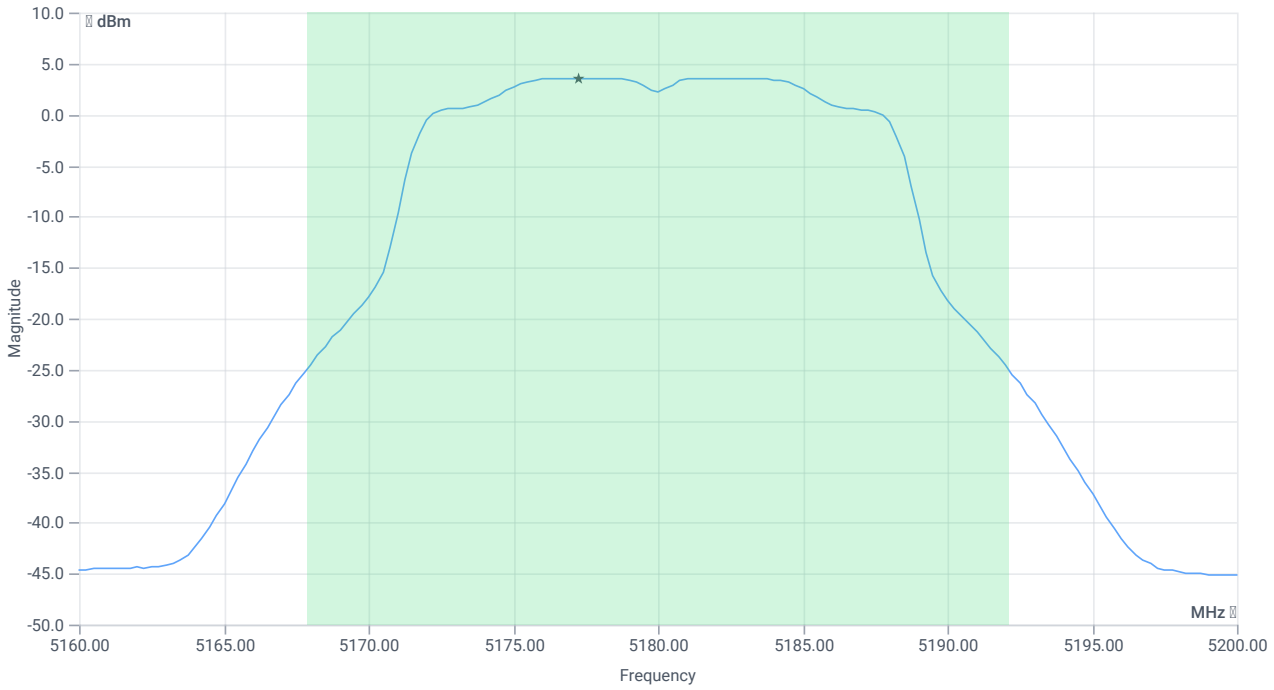
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.24	MHz	INFO
T1 26dB	---	---	5167.8800	MHz	INFO
T2 26dB	---	---	5192.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.35 | 11.48 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.47	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.64	dBm	PASS
LIMIT: 11 dBm + 10 log 24.24					
Max output power DC corrected cond	---	24.85	14.64	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.59	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	3.76	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:44:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5180 MHz

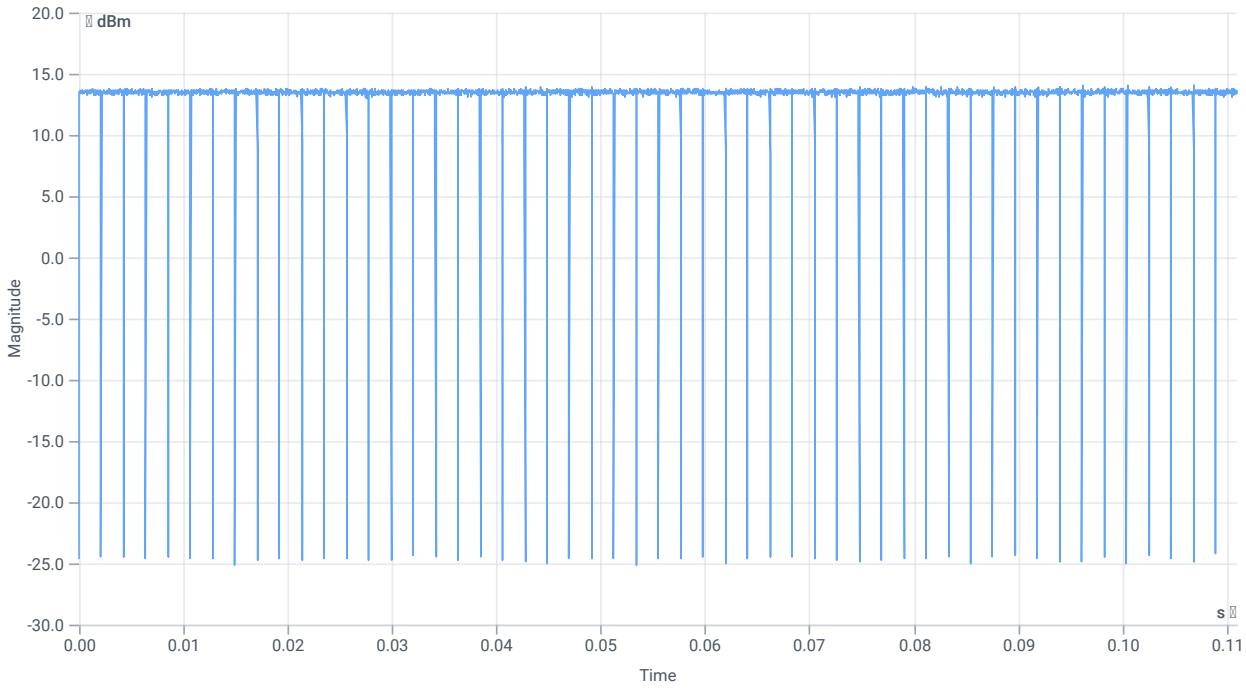
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.18	dBm	INFO
Ref. frequency	---	---	5182.000	MHz	INFO

Evaluation max. duty cycle

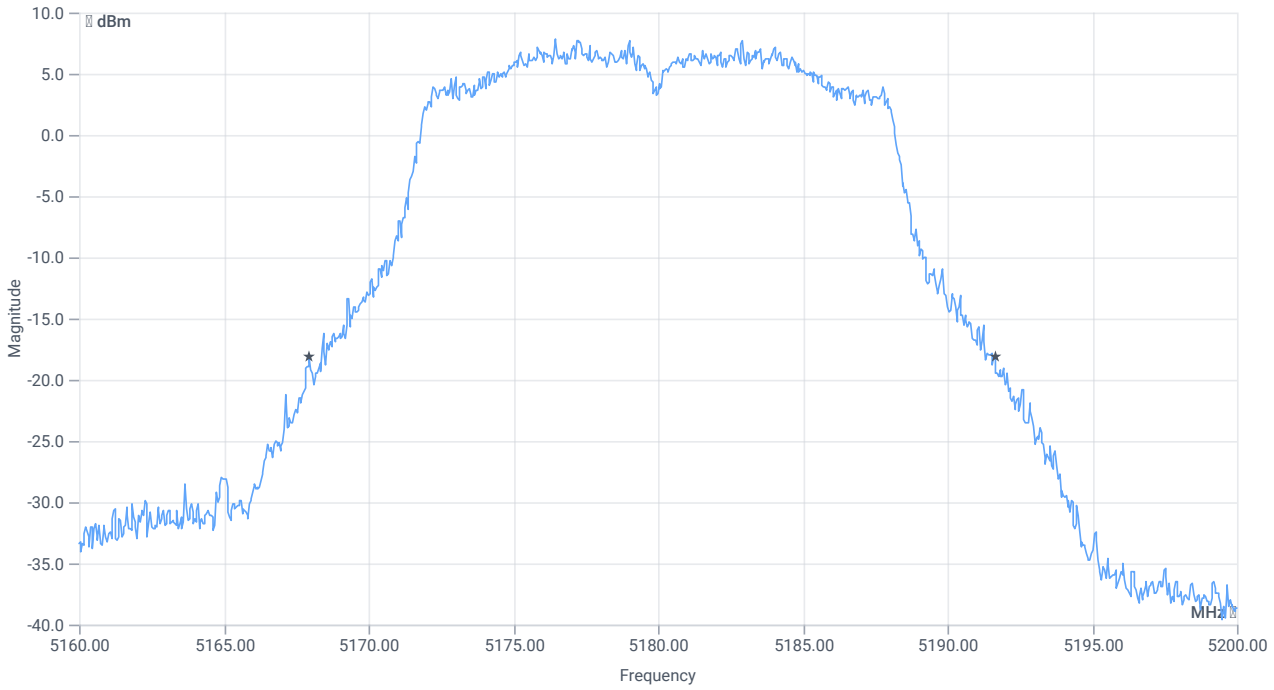
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 50					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

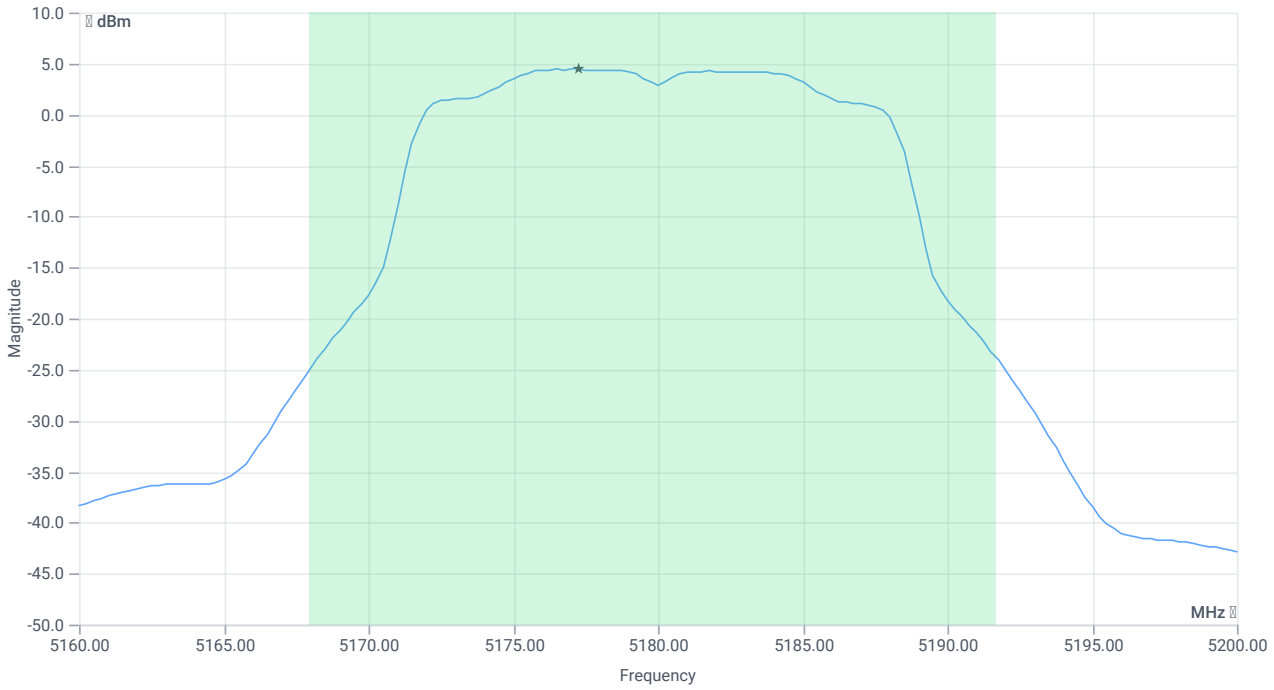
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.68	MHz	INFO
T1 26dB	---	---	5167.9600	MHz	INFO
T2 26dB	---	---	5191.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.18 | 11.46 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.21	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.38	dBm	PASS
LIMIT: 11 dBm + 10 log 23.68					
Max output power DC corrected cond	---	24.74	15.38	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.42	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	4.59	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:48:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5200 MHz

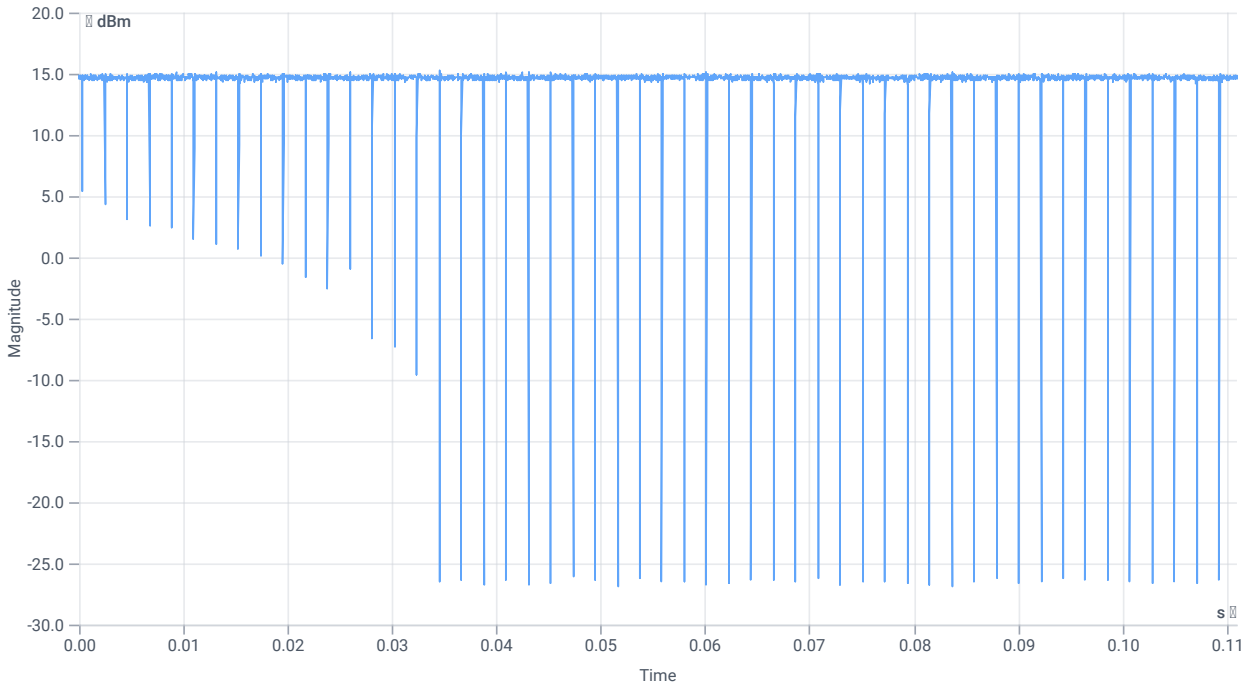
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.89	dBm	INFO
Ref. frequency	---	---	5200.800	MHz	INFO

Evaluation max. duty cycle

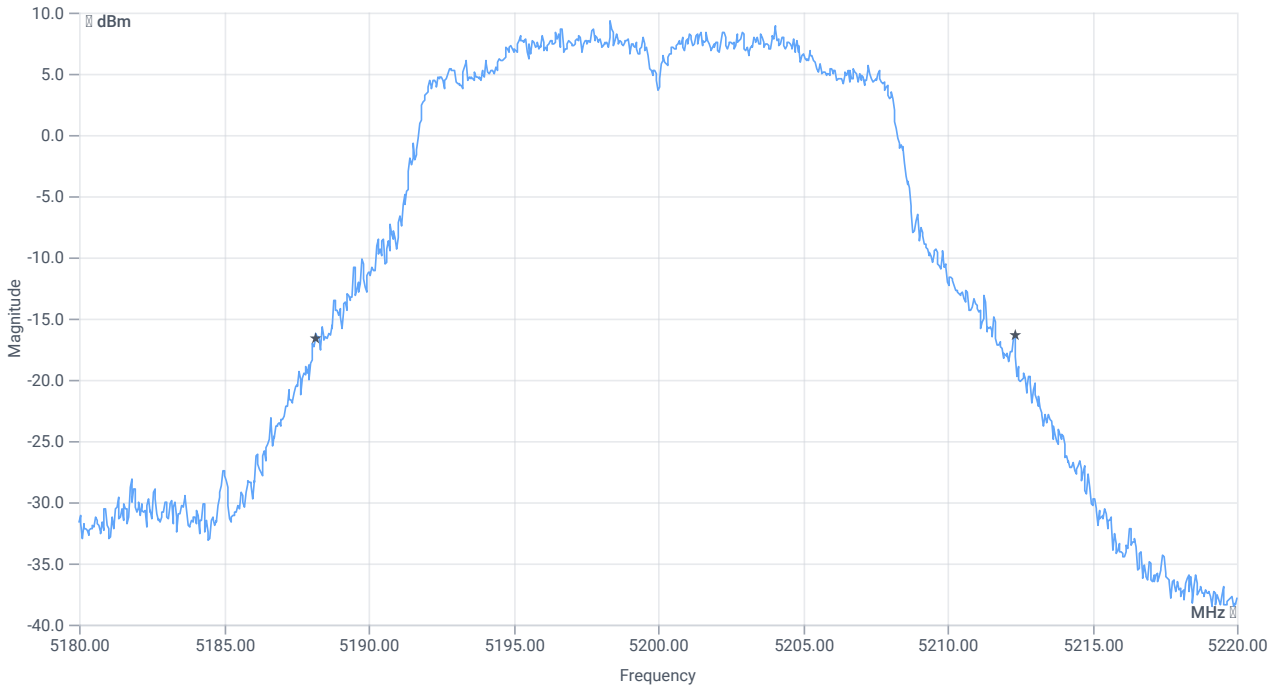
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 50					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

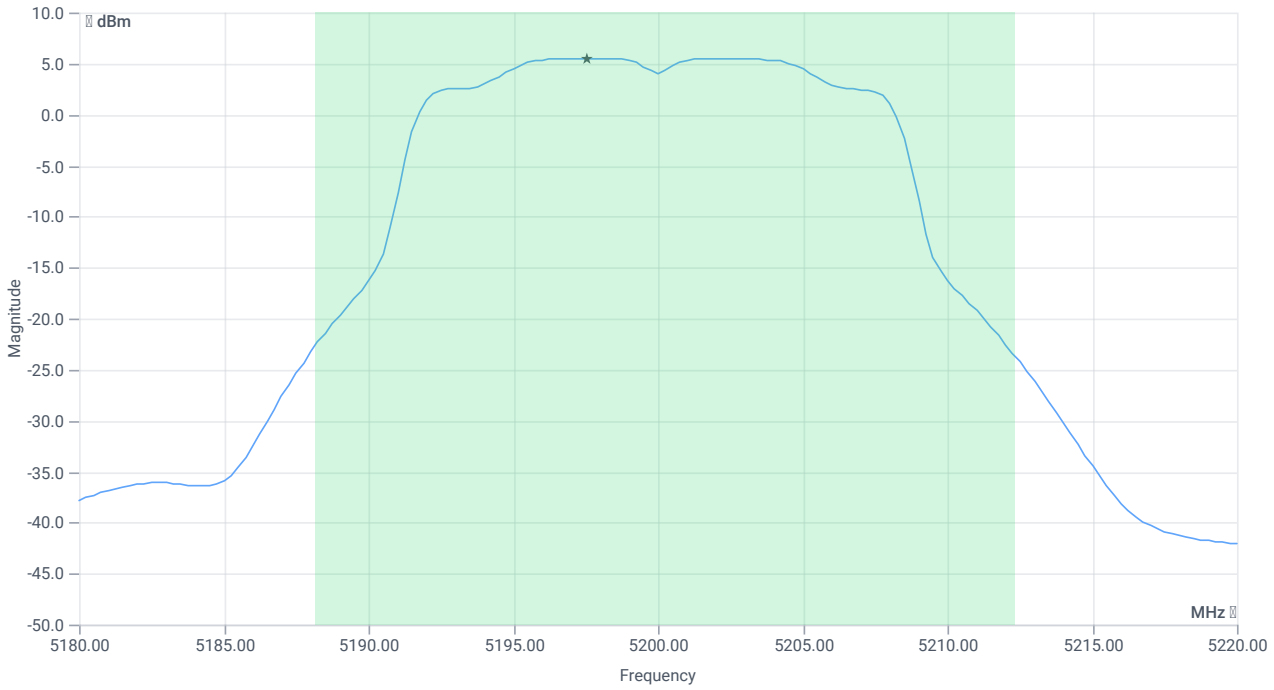
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.16	MHz	INFO
T1 26dB	---	---	5188.1600	MHz	INFO
T2 26dB	---	---	5212.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.89 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.36	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.53	dBm	PASS
LIMIT: 11 dBm + 10 log 24.16					
Max output power DC corrected cond	---	24.83	16.53	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	5.62	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:50:07
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5200 MHz

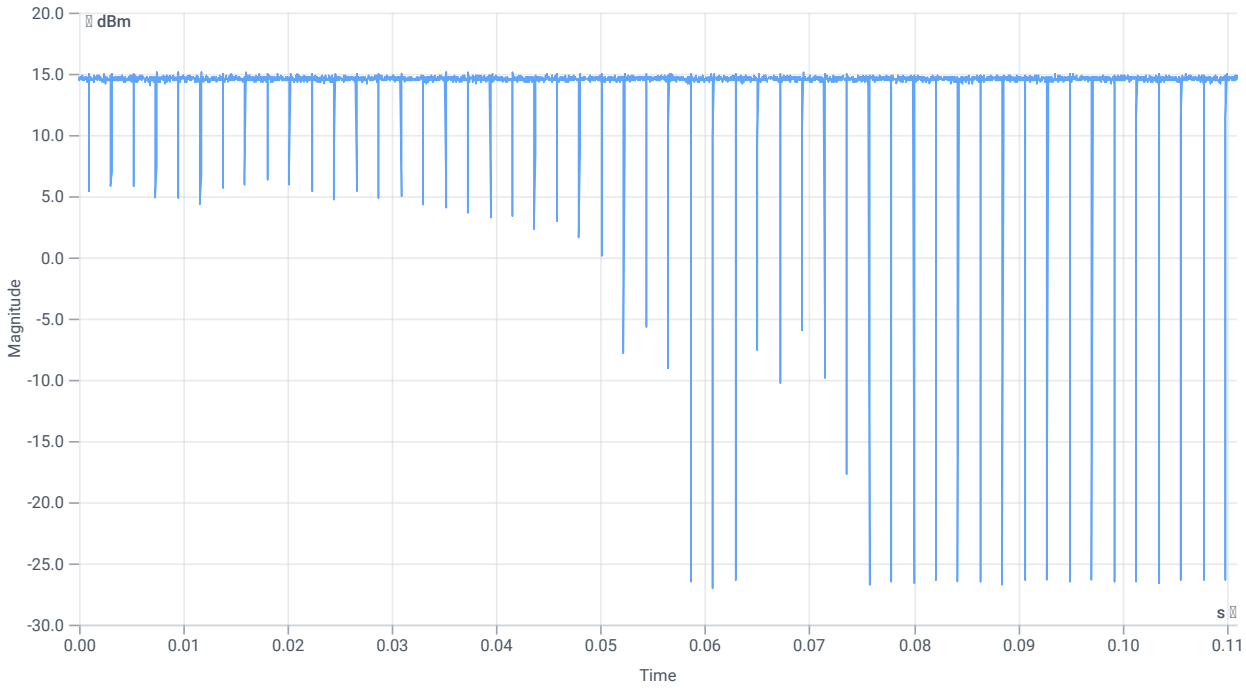
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.97	dBm	INFO
Ref. frequency	---	---	5204.200	MHz	INFO

Evaluation max. duty cycle

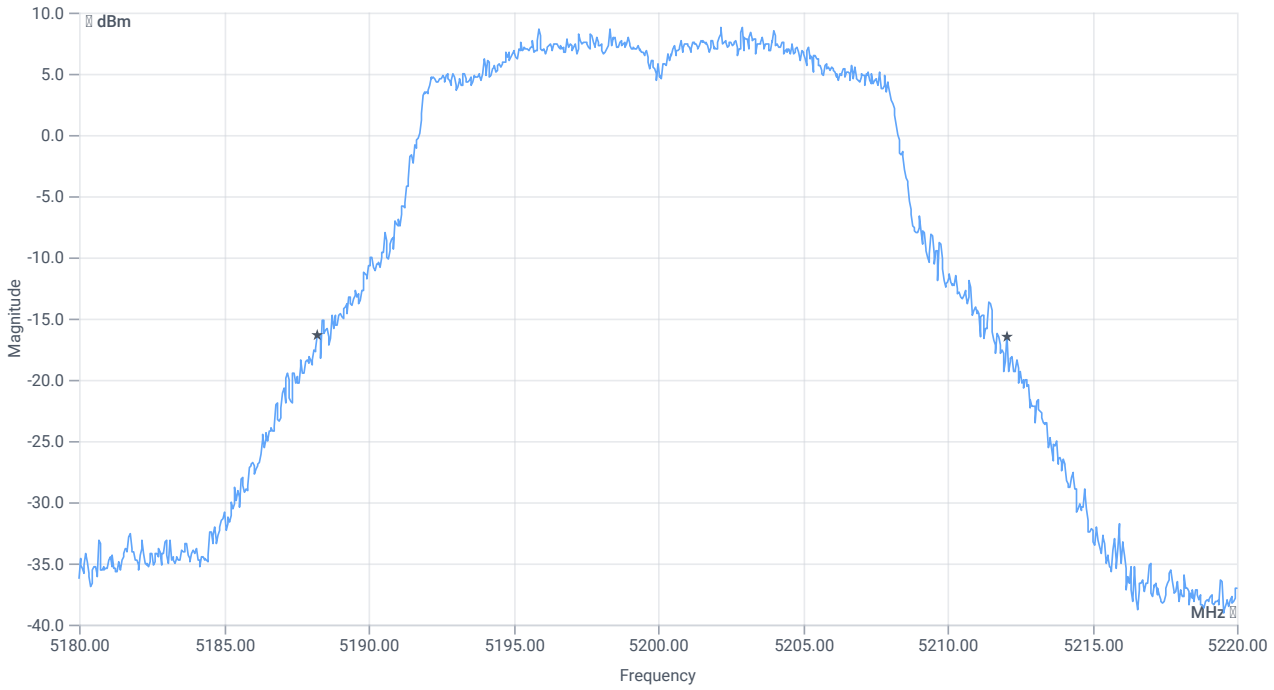
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 42					
Duty cycle (burst Ratio) max	---	---	0.994	---	INFO
Duty cycle max	---	---	0.026	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	12.737	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

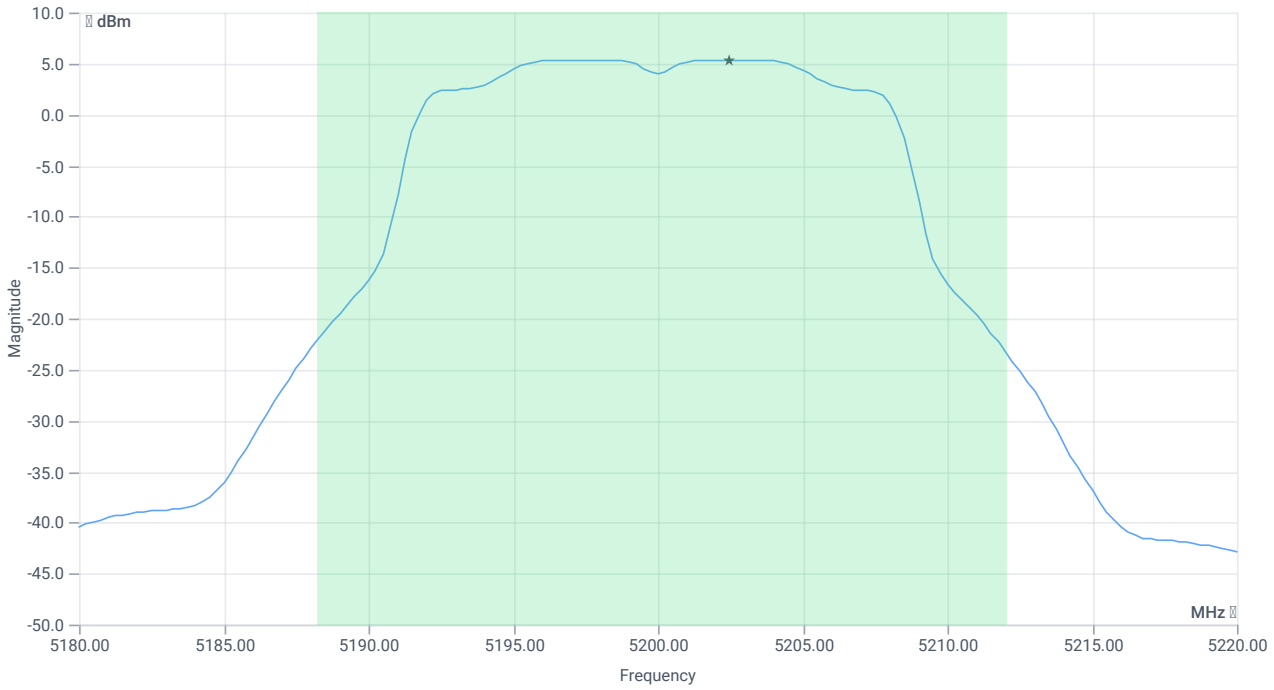
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.84	MHz	INFO
T1 26dB	---	---	5188.2400	MHz	INFO
T2 26dB	---	---	5212.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.97 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.27	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.44	dBm	PASS
LIMIT: 11 dBm + 10 log 23.84					
Max output power DC corrected cond	---	24.77	16.44	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	5.51	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:52:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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 5240 MHz

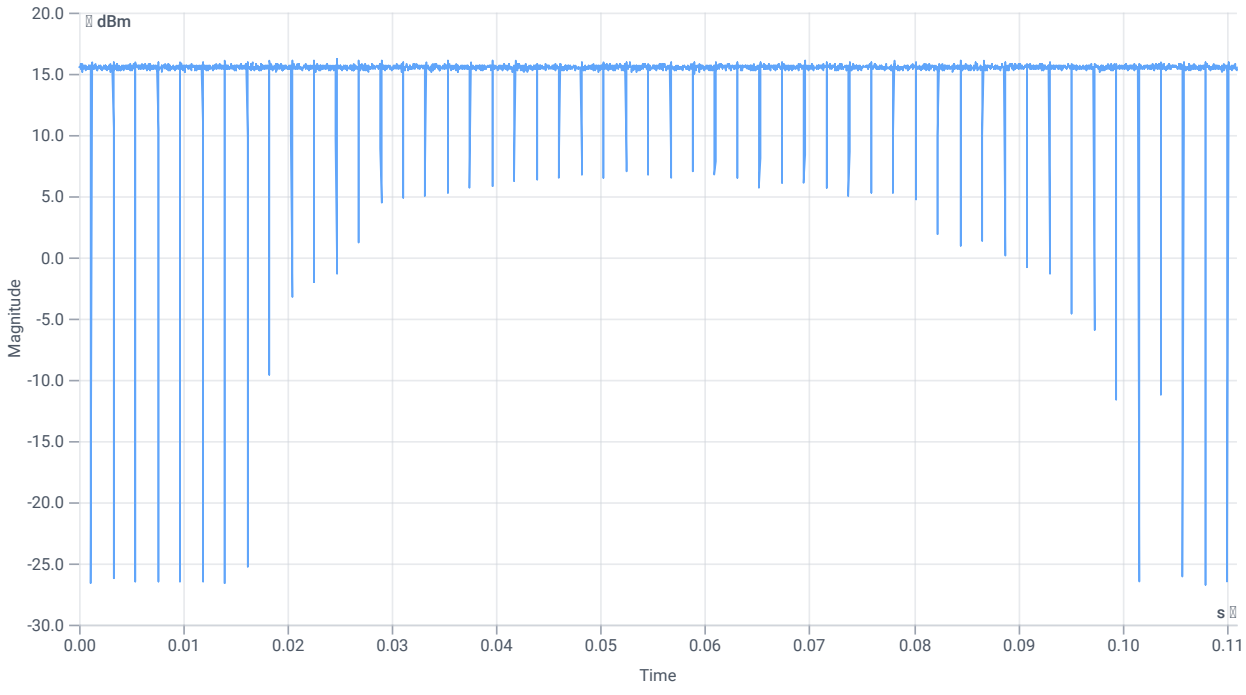
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.36	dBm	INFO
Ref. frequency	---	---	5242.000	MHz	INFO

Evaluation max. duty cycle

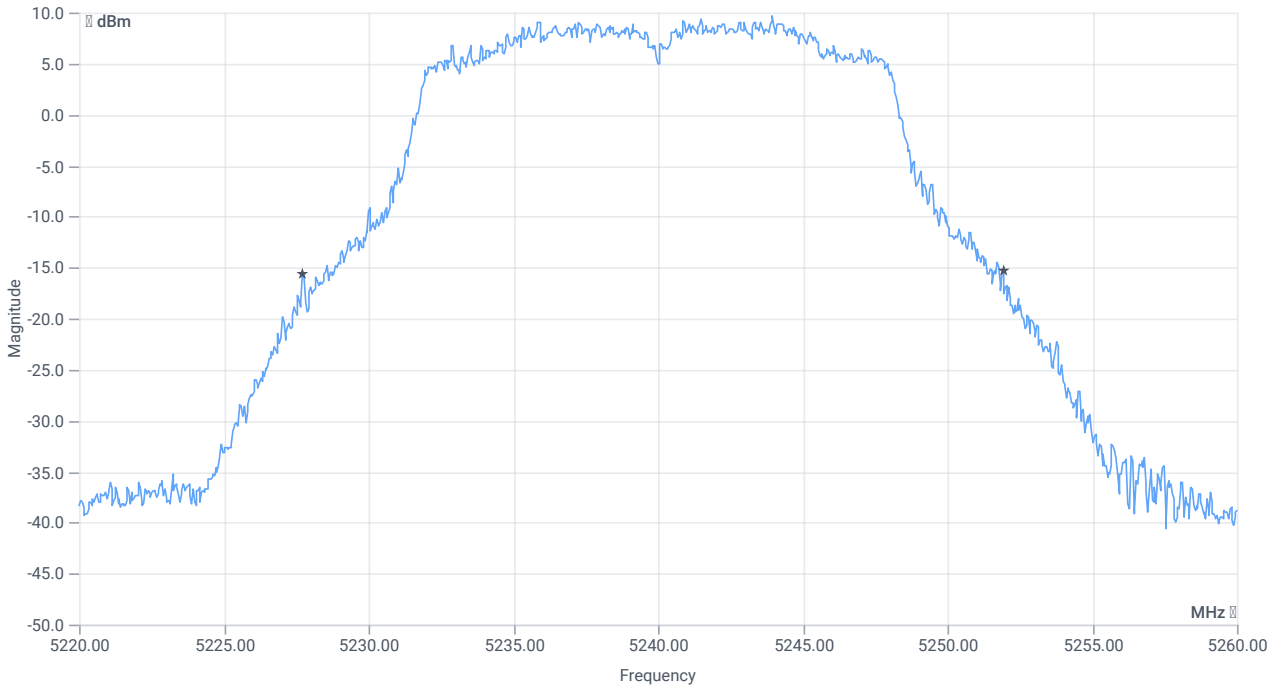
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 40					
Duty cycle (burst Ratio) max	---	---	0.997	---	INFO
Duty cycle max	---	---	0.013	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	25.53	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

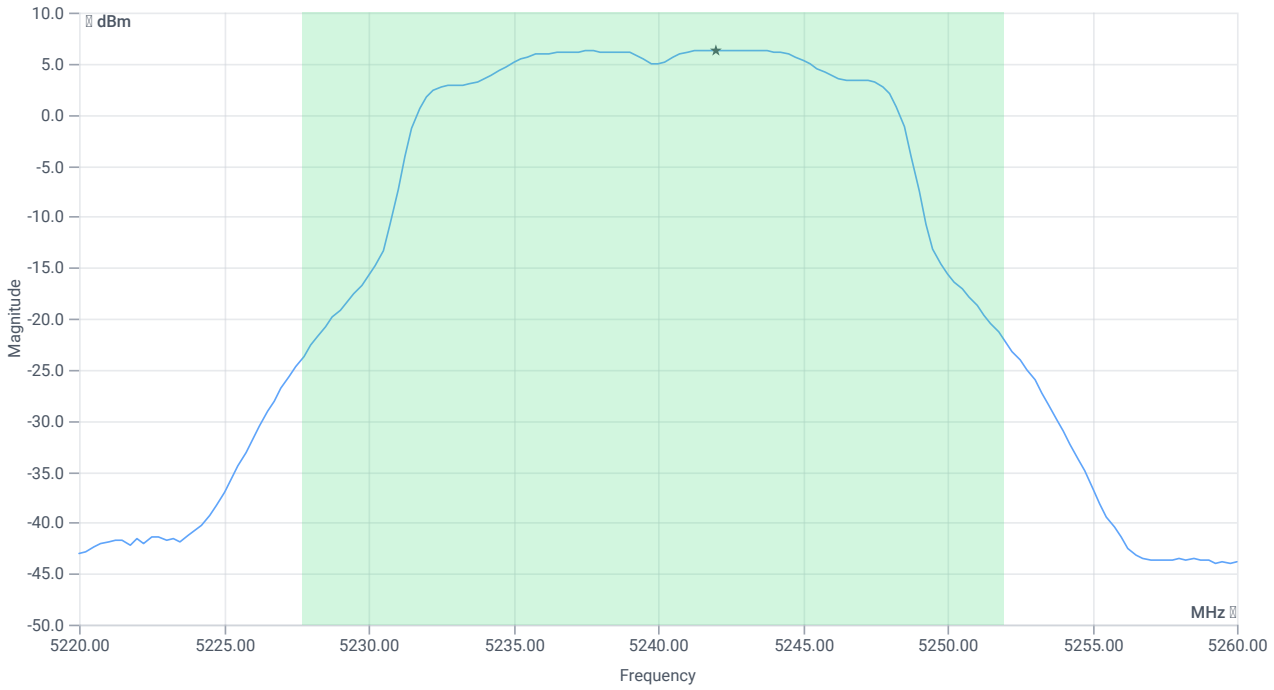
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.2	MHz	INFO
T1 26dB	---	---	5227.7200	MHz	INFO
T2 26dB	---	---	5251.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.36 | 11.37 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.1	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.27	dBm	PASS
LIMIT: 11 dBm + 10 log 24.2					
Max output power DC corrected cond	---	24.84	17.27	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	6.51	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-1

References

TC start	05.05.2026 16:54:15
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5240 MHz

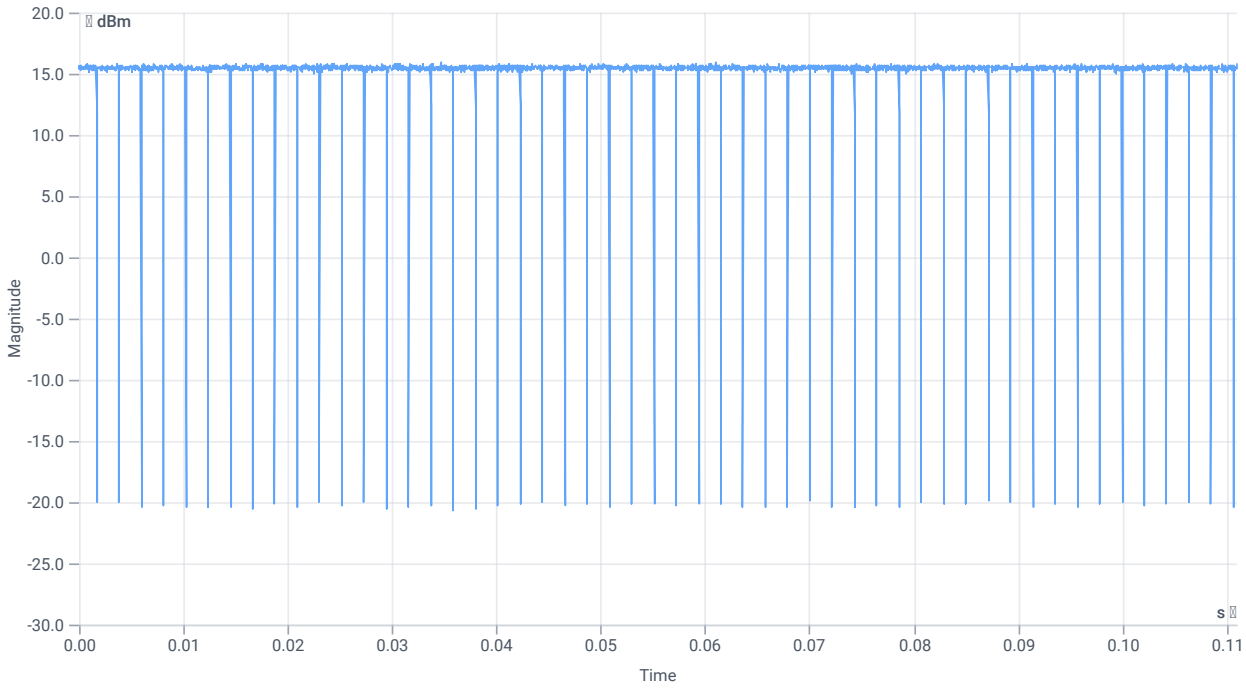
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.85	dBm	INFO
Ref. frequency	---	---	5236.600	MHz	INFO

Evaluation max. duty cycle

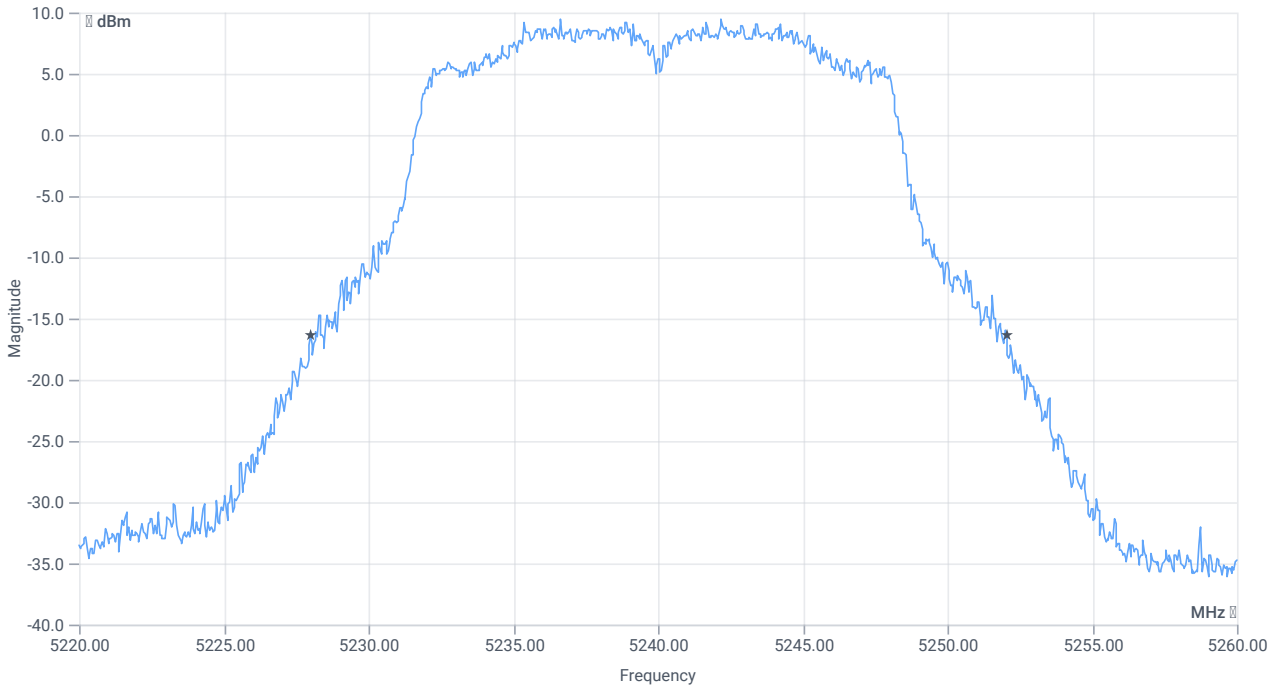
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

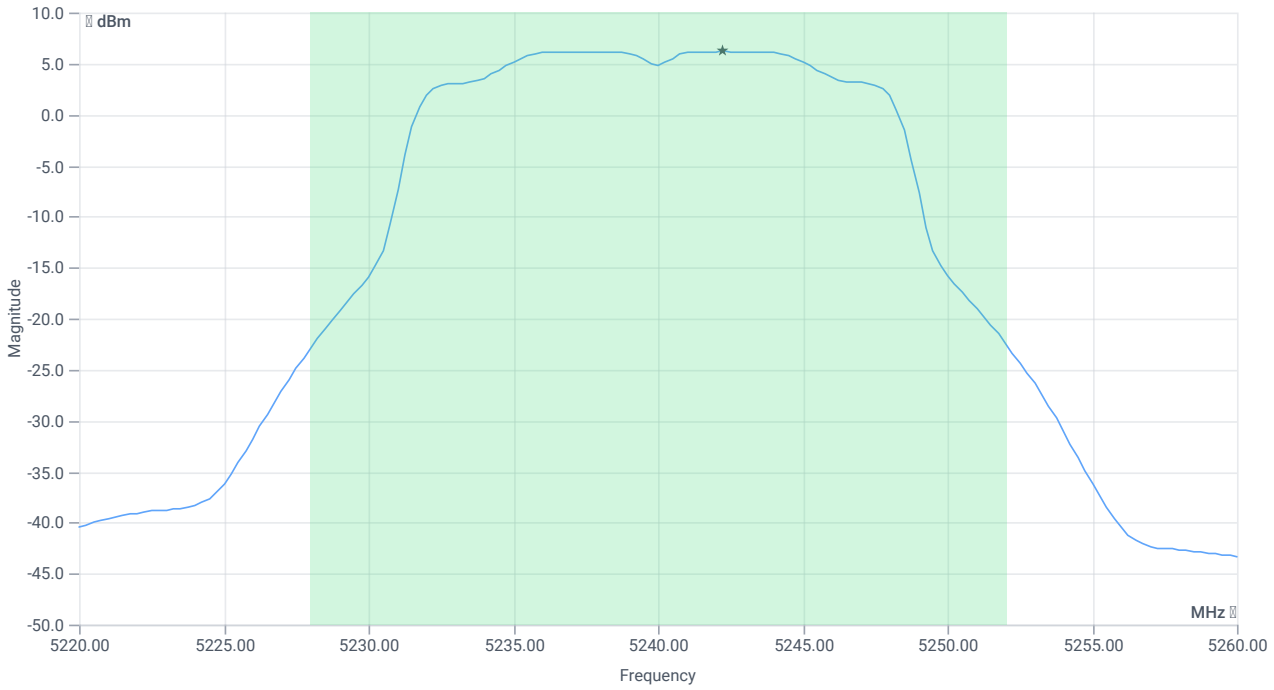
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.04	MHz	INFO
T1 26dB	---	---	5228.0000	MHz	INFO
T2 26dB	---	---	5252.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.85 | 11.34 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.05	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.22	dBm	PASS
LIMIT: 11 dBm + 10 log 24.04					
Max output power DC corrected cond	---	24.81	17.22	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.19	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	11	6.36	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 13:31:35
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5745 MHz

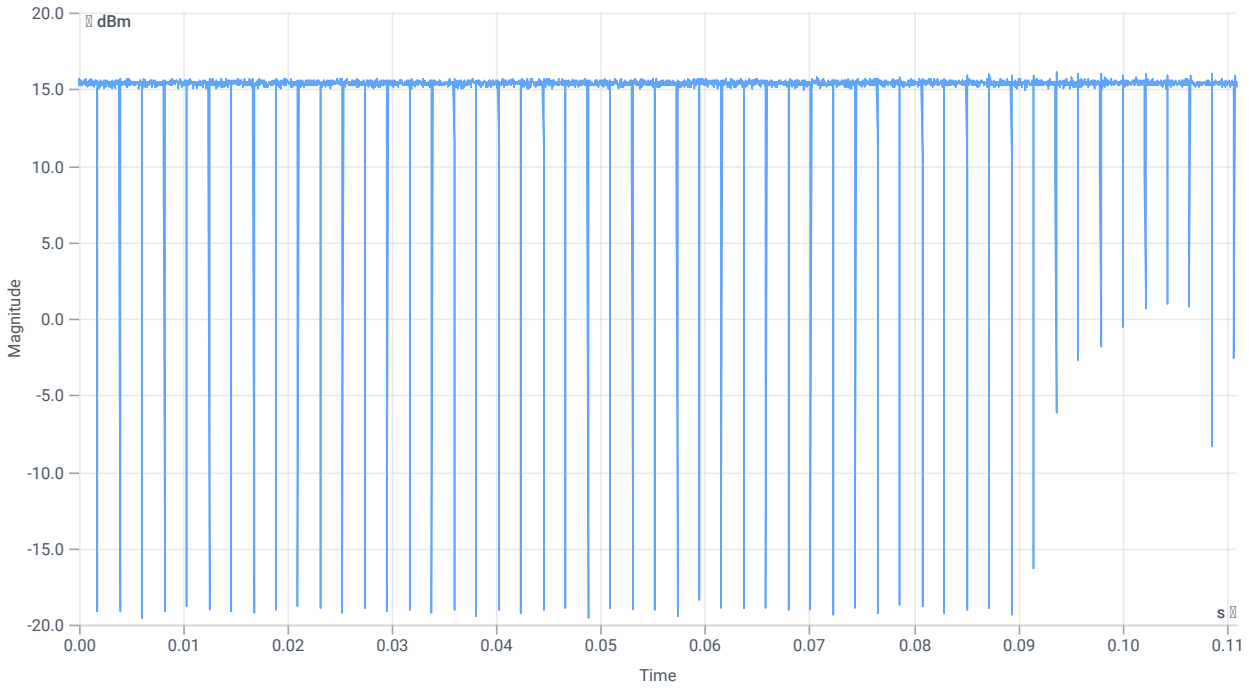
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.61	dBm	INFO
Ref. frequency	---	---	5747.400	MHz	INFO

Evaluation max. duty cycle

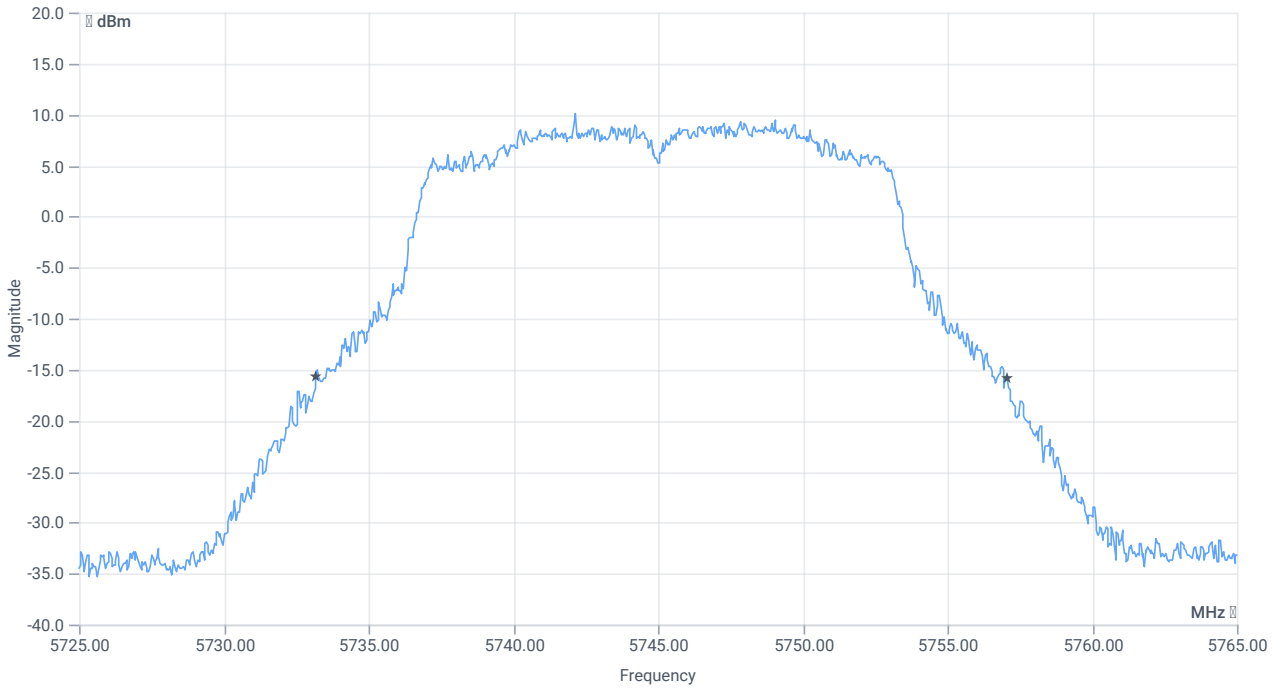
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

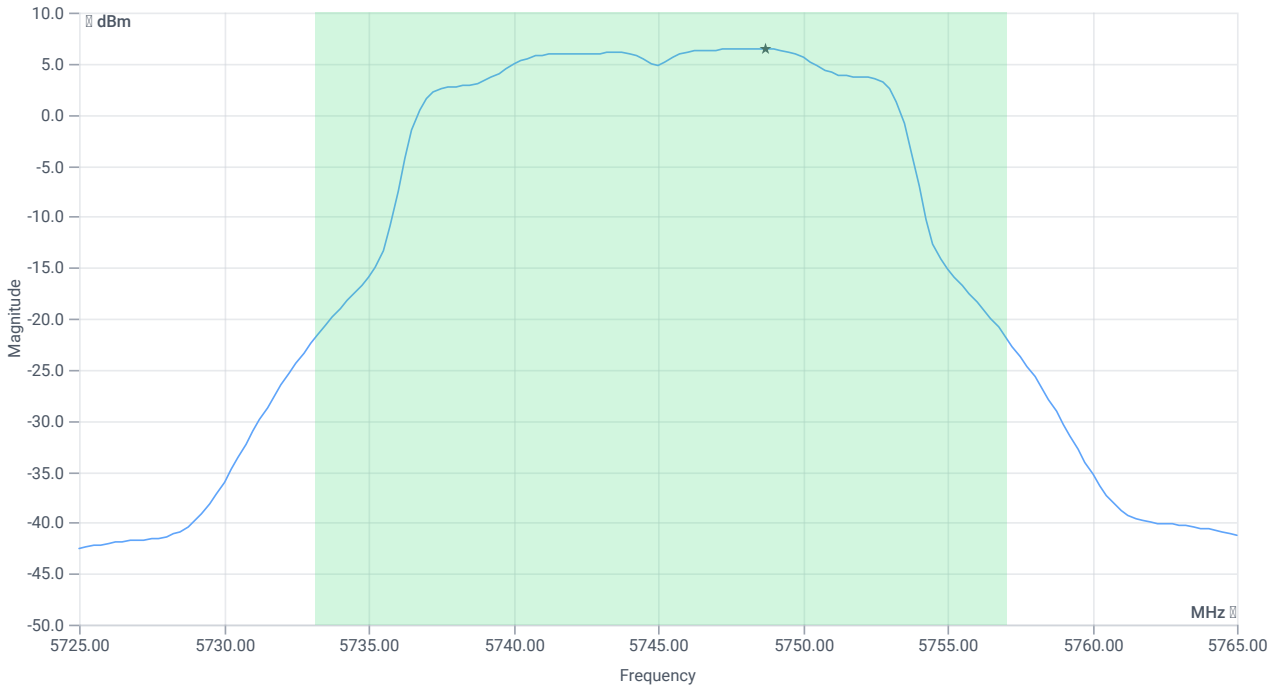
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5733.2000	MHz	INFO
T2 26dB	---	---	5757.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.61 | 11.39 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

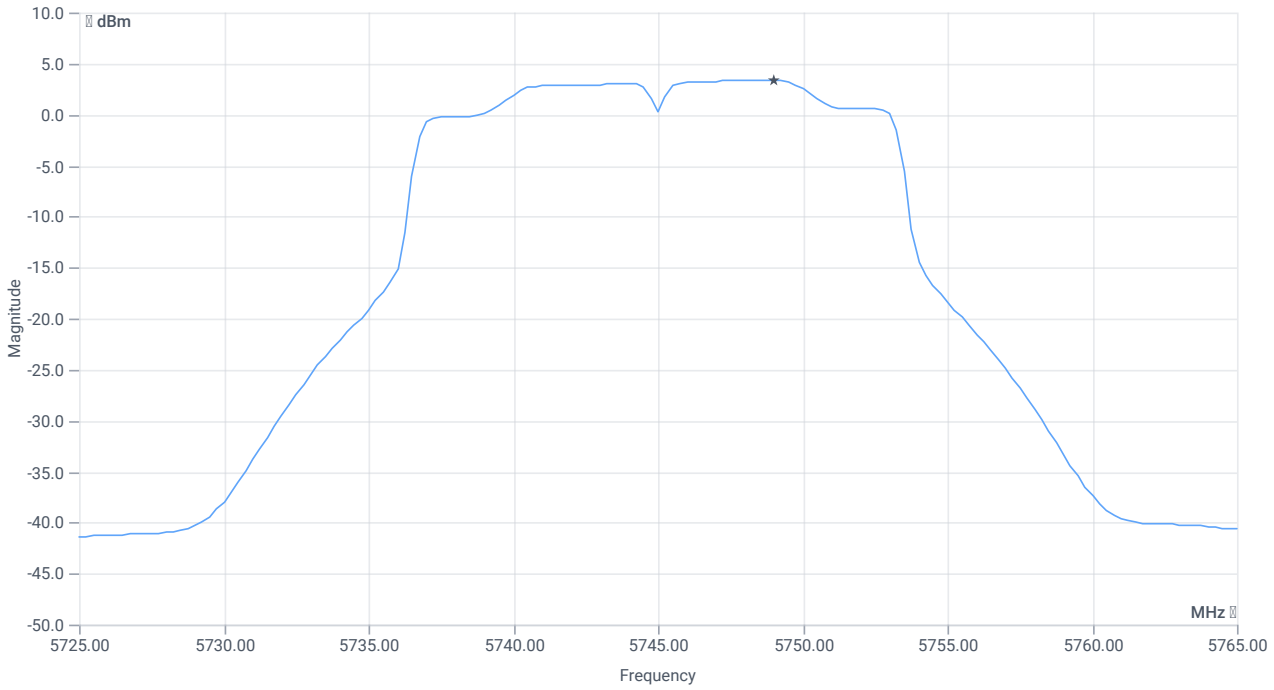
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.12	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.29	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	17.29	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.61 | 11.39 | 35
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.35	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	3.52	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 13:57:00
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5745 MHz

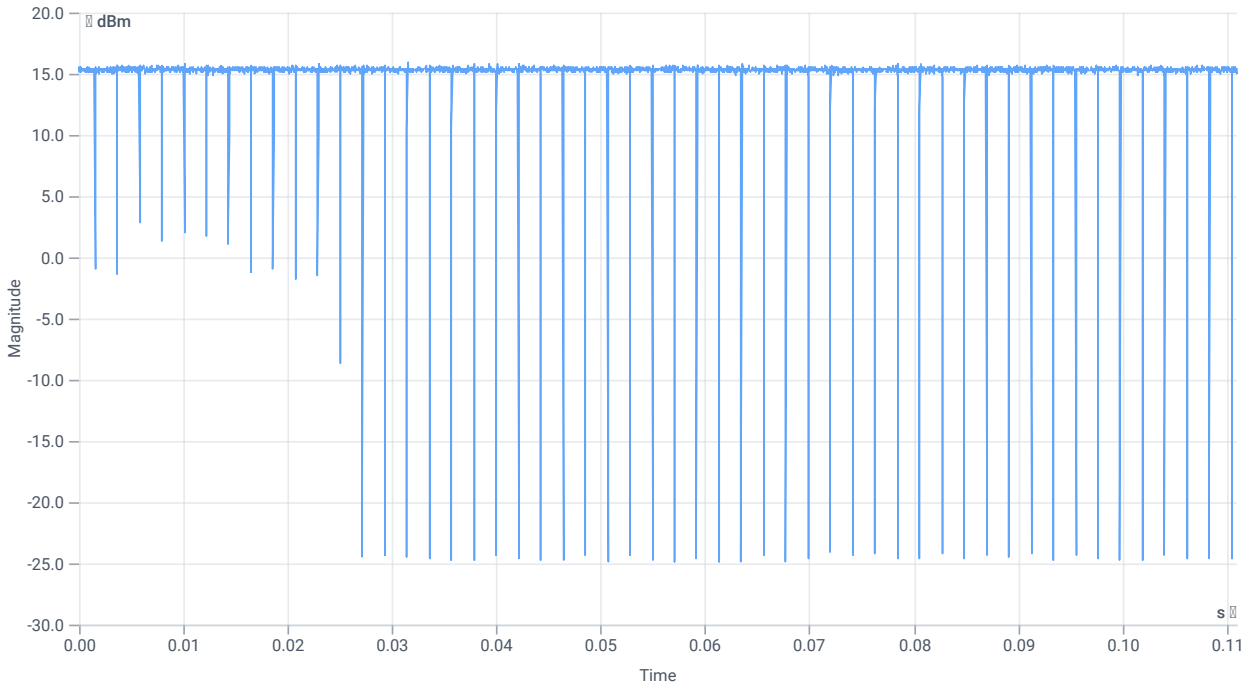
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.94	dBm	INFO
Ref. frequency	---	---	5747.000	MHz	INFO

Evaluation max. duty cycle

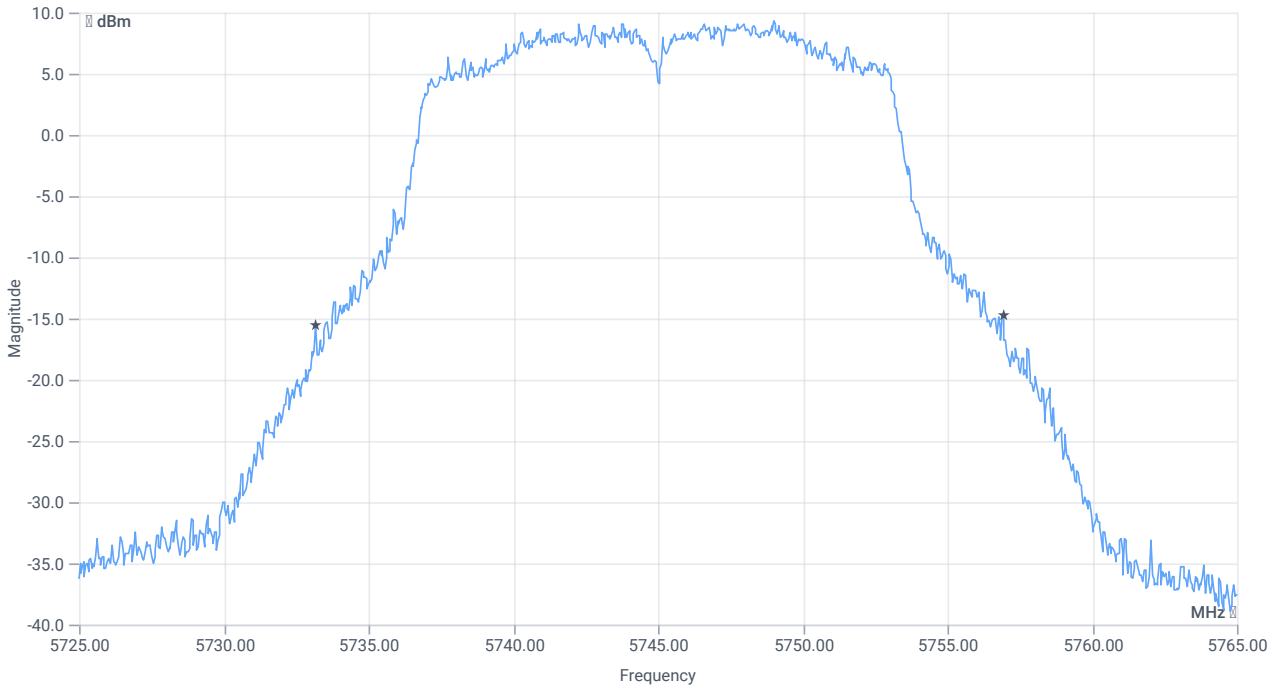
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

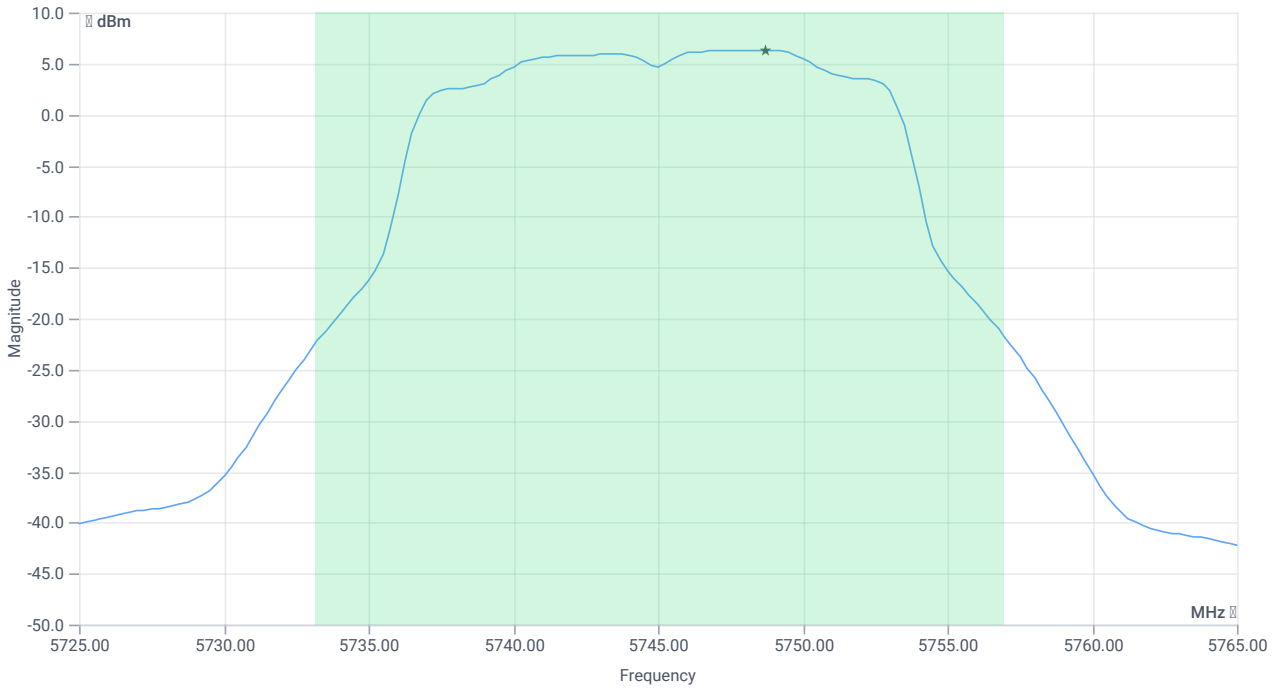
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.76	MHz	INFO
T1 26dB	---	---	5733.1600	MHz	INFO
T2 26dB	---	---	5756.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.94 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

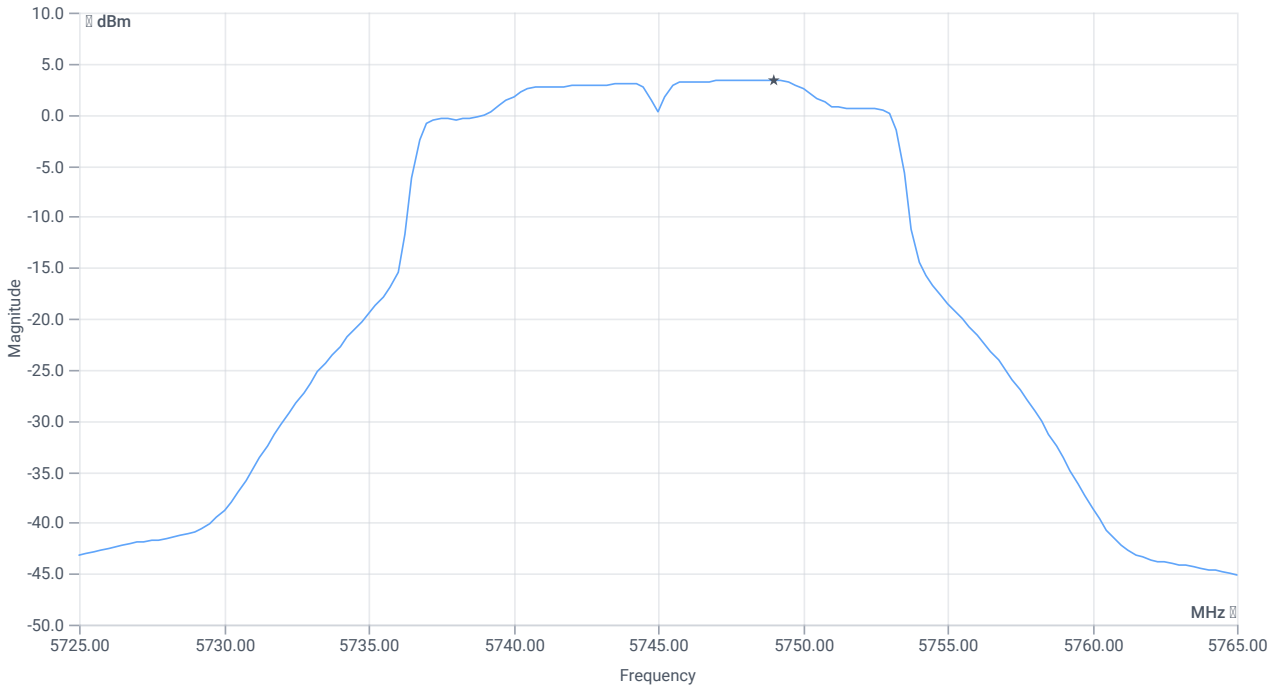
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.97	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.14	dBm	PASS
LIMIT: 11 dBm + 10 log 23.76					
Max output power DC corrected cond	---	24.76	17.14	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.94 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.39	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	3.56	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 14:02:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5785 MHz

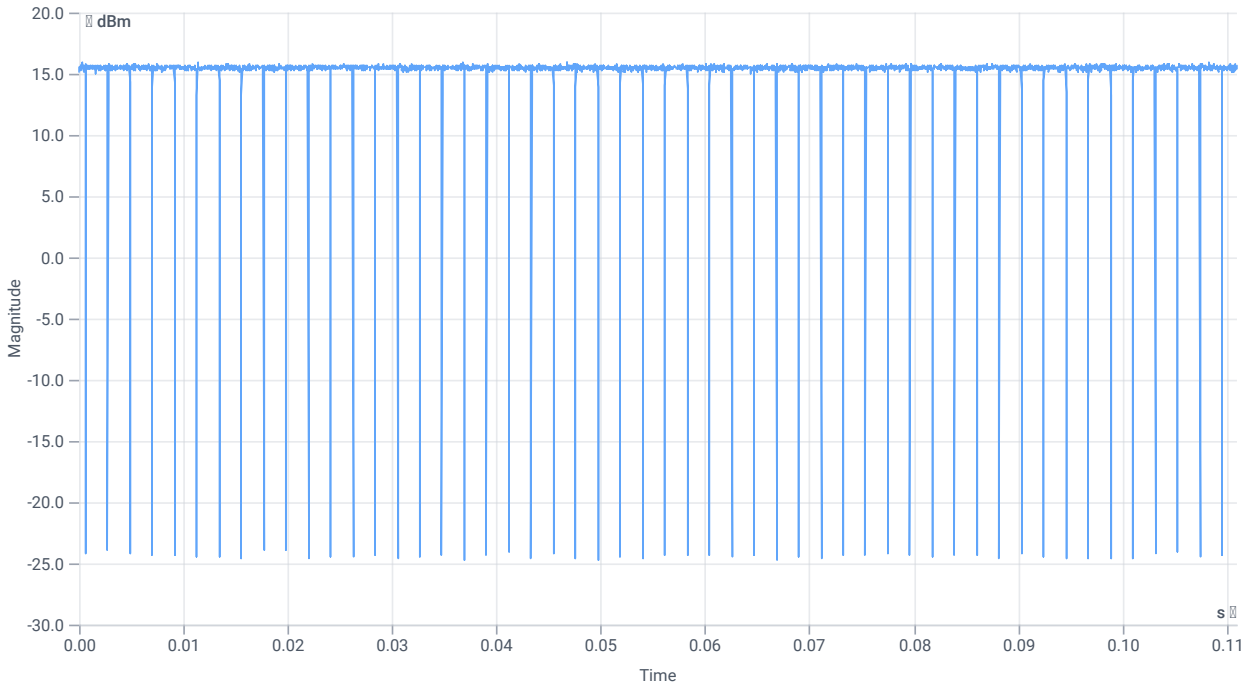
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.97	dBm	INFO
Ref. frequency	---	---	5786.800	MHz	INFO

Evaluation max. duty cycle

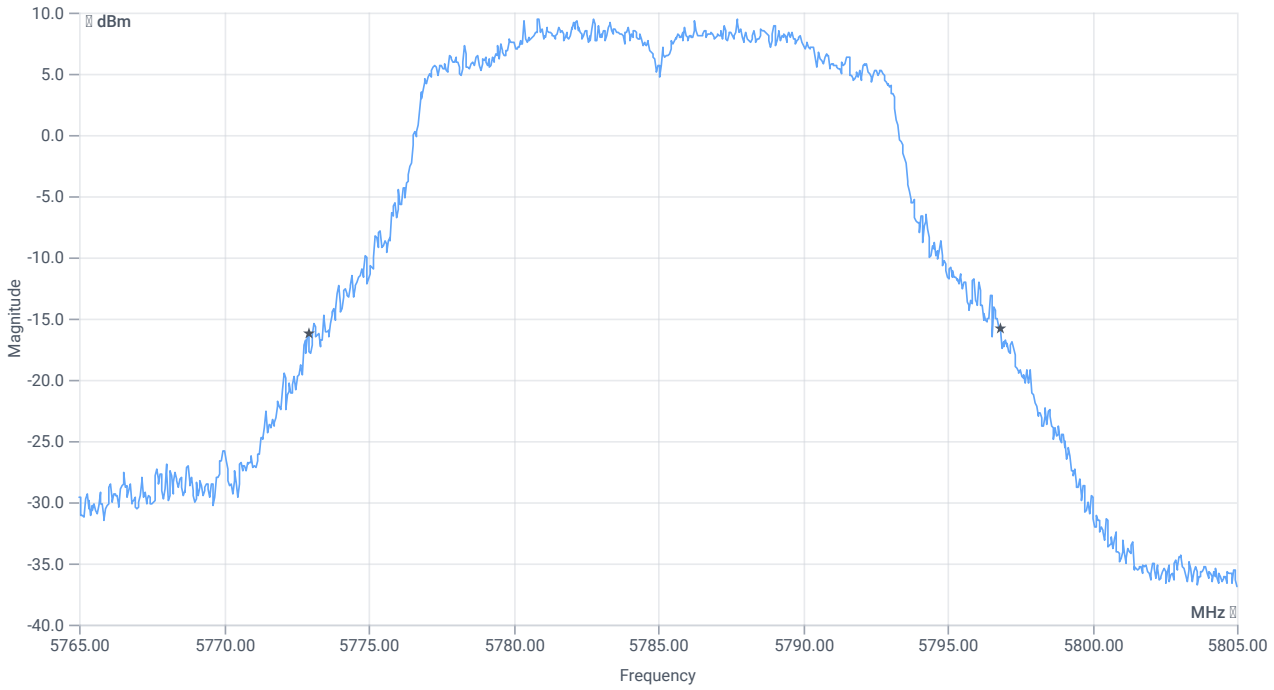
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

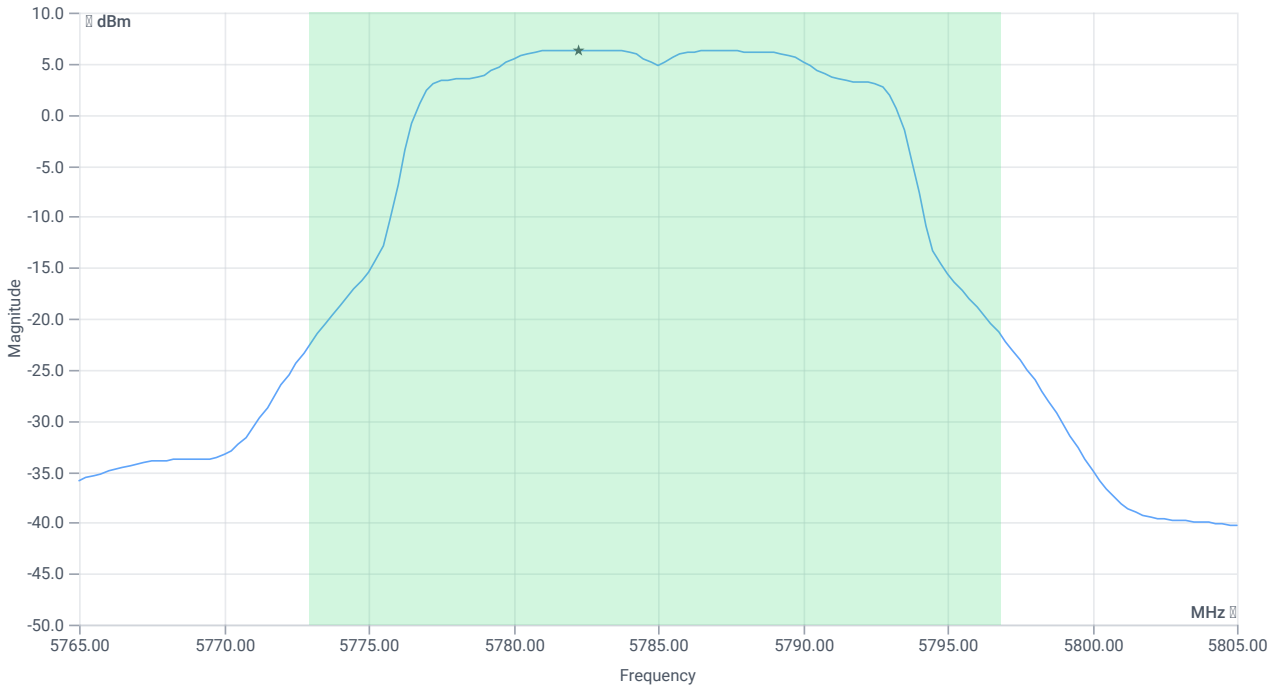
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.92	MHz	INFO
T1 26dB	---	---	5772.9200	MHz	INFO
T2 26dB	---	---	5796.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.97 | 11.37 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

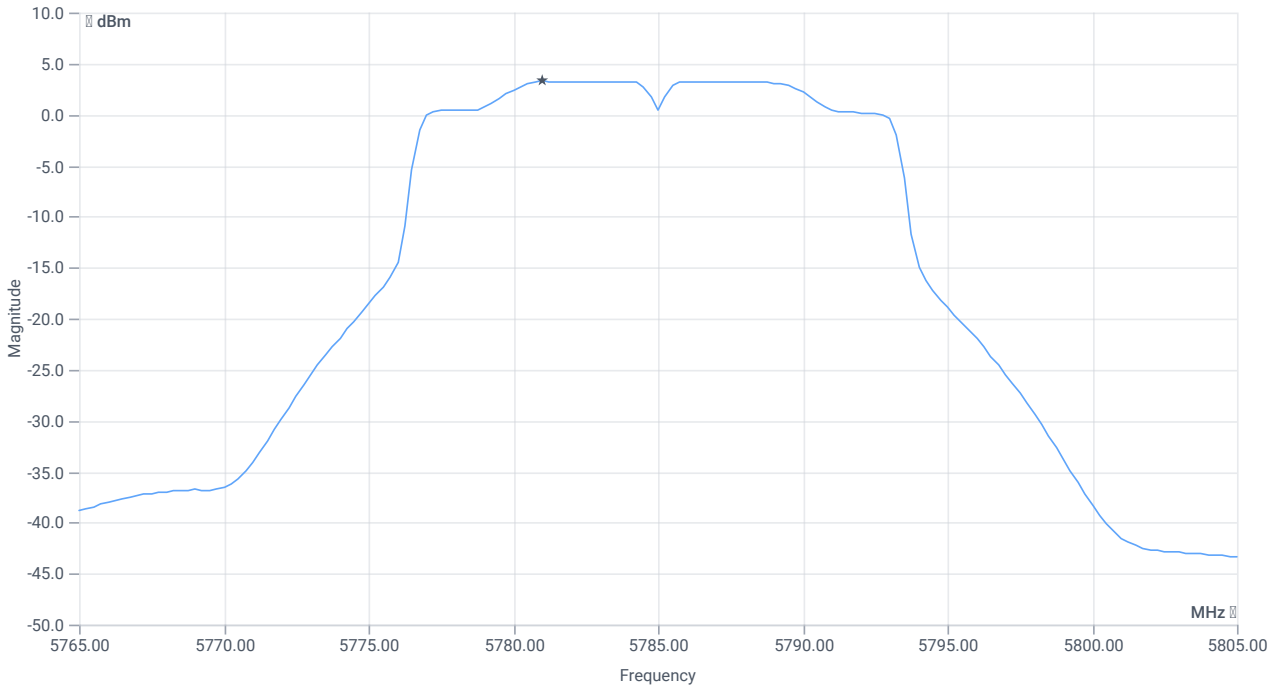
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.18	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.35	dBm	PASS
LIMIT: 11 dBm + 10 log 23.92					
Max output power DC corrected cond	---	24.79	17.35	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.97 | 11.37 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.31	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	3.48	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 14:05:08
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5785 MHz

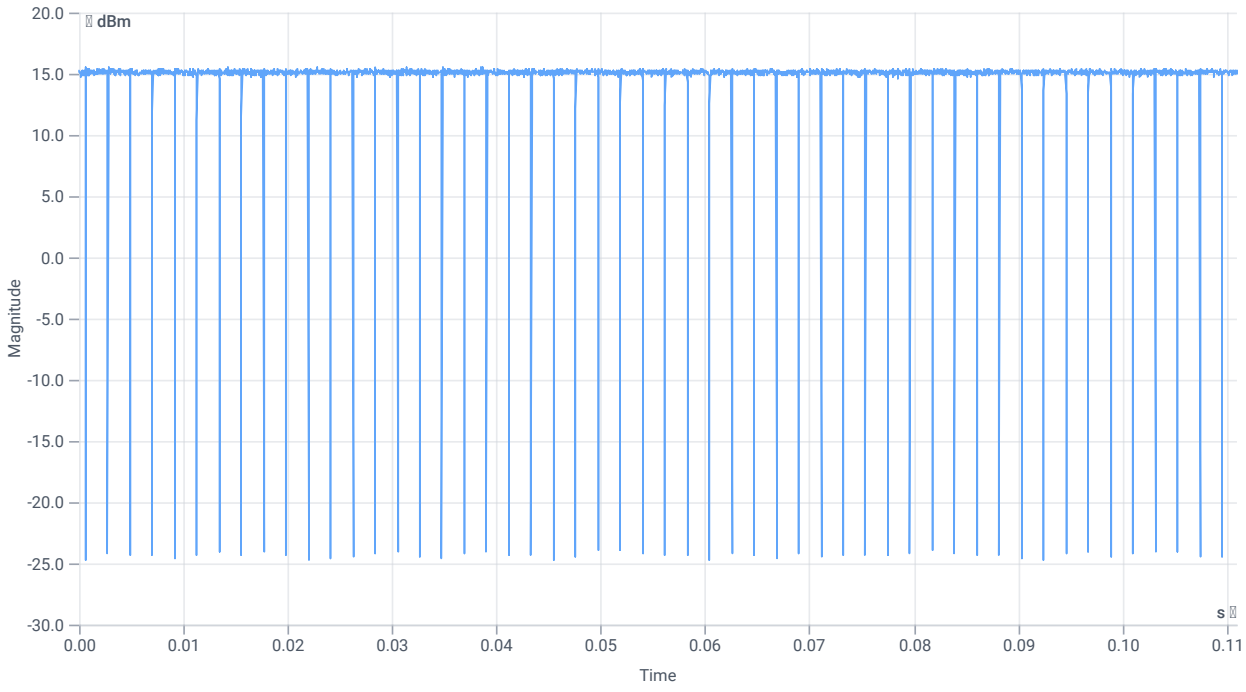
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.63	dBm	INFO
Ref. frequency	---	---	5780.400	MHz	INFO

Evaluation max. duty cycle

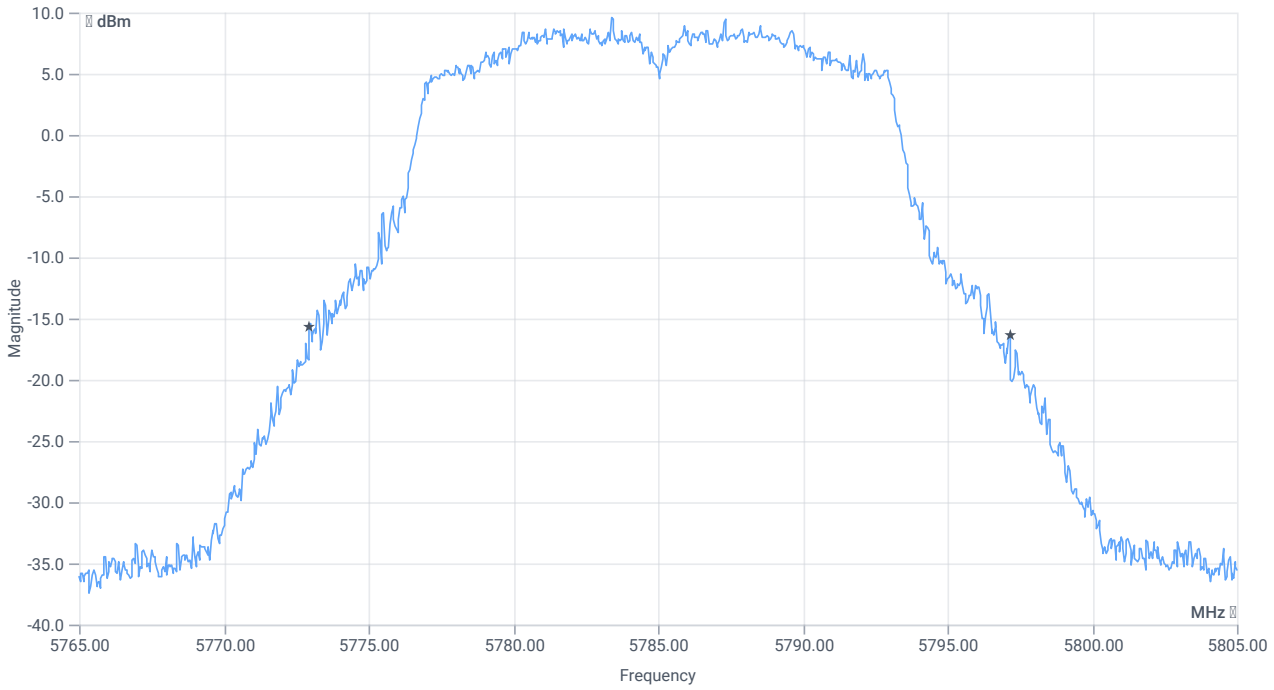
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

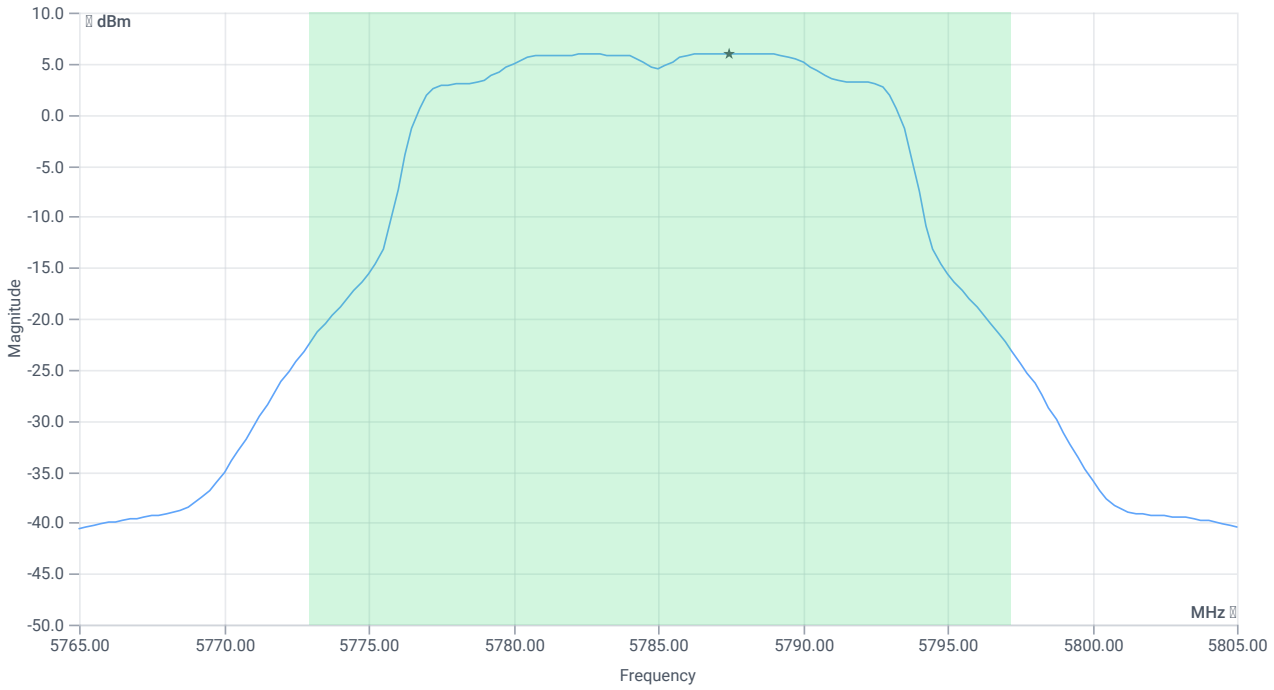
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.2	MHz	INFO
T1 26dB	---	---	5772.9600	MHz	INFO
T2 26dB	---	---	5797.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.63 | 11.4 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

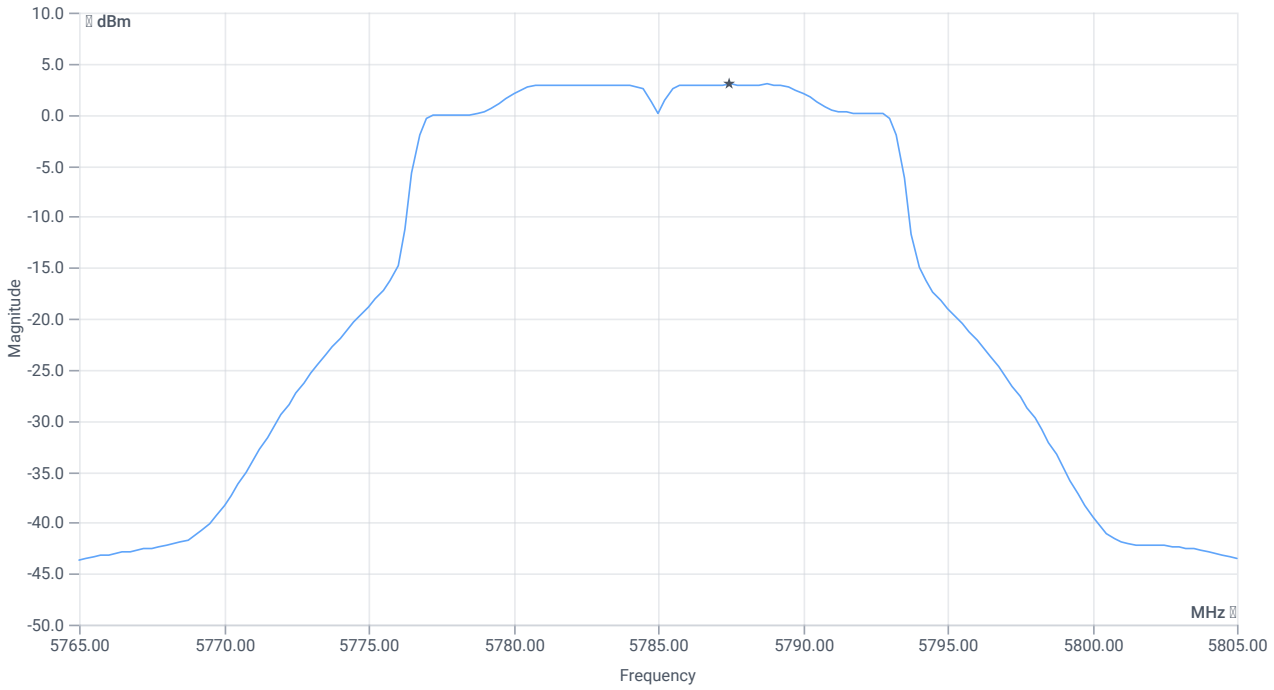
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.87	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.04	dBm	PASS
LIMIT: 11 dBm + 10 log 24.2					
Max output power DC corrected cond	---	24.84	17.04	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.63 | 11.4 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.96	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	3.13	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 14:08:02
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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 5825 MHz

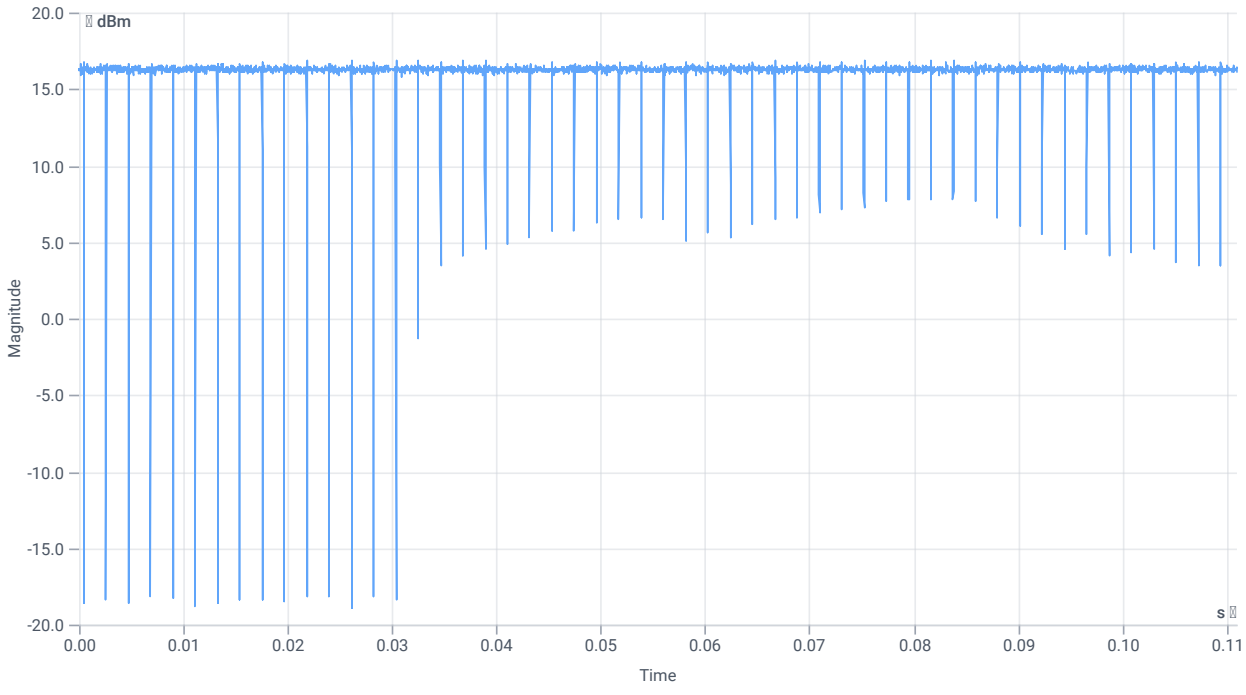
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.25	dBm	INFO
Ref. frequency	---	---	5827.400	MHz	INFO

Evaluation max. duty cycle

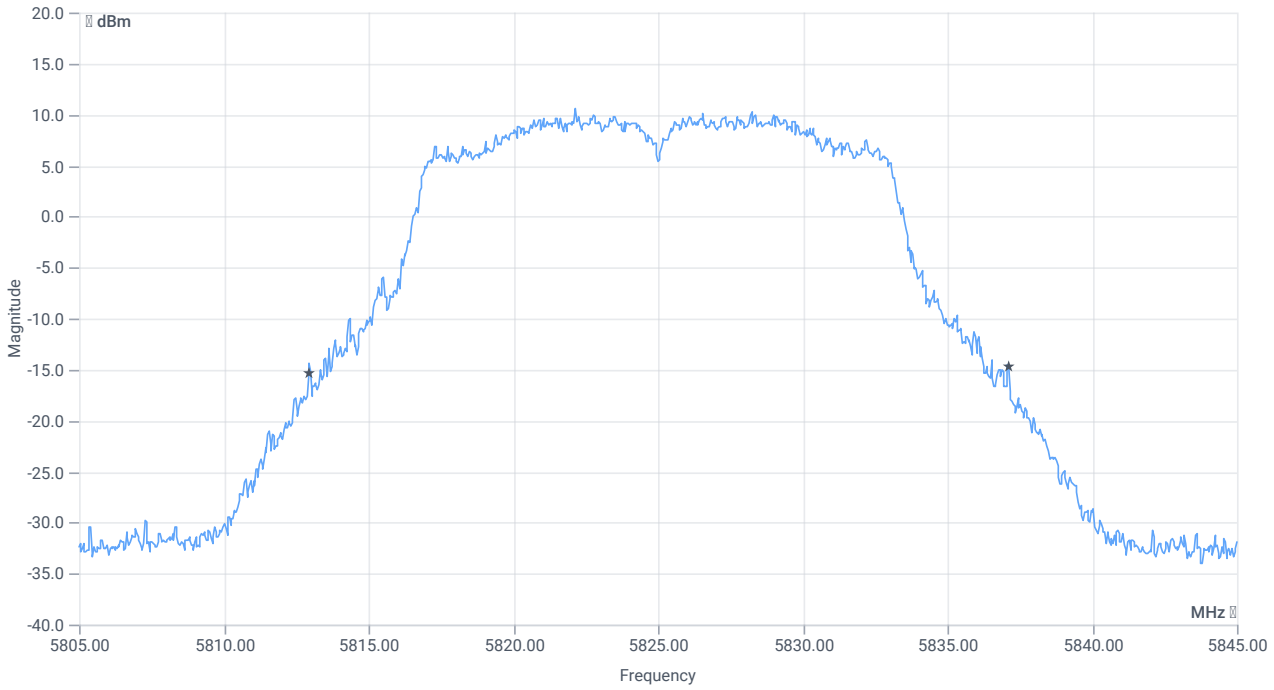
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 43					
Duty cycle (burst Ratio) max	---	---	0.996	---	INFO
Duty cycle max	---	---	0.017	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	19.12	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

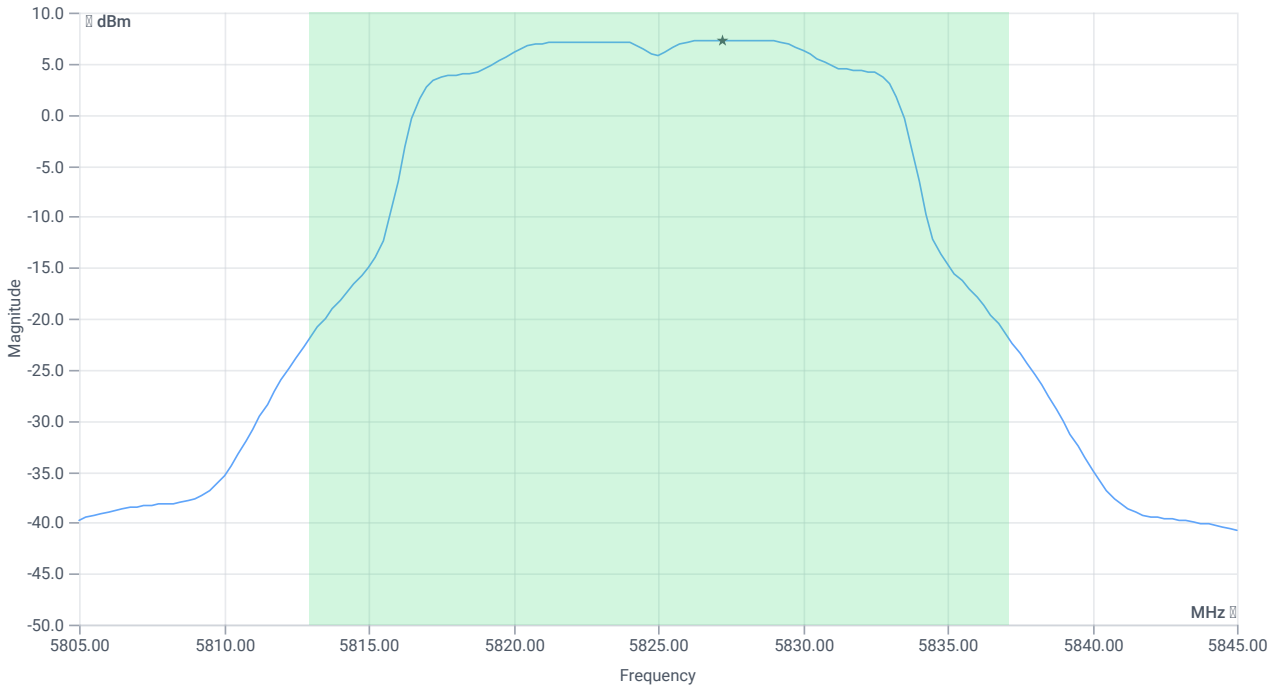
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.2	MHz	INFO
T1 26dB	---	---	5812.9200	MHz	INFO
T2 26dB	---	---	5837.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.25 | 11.42 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

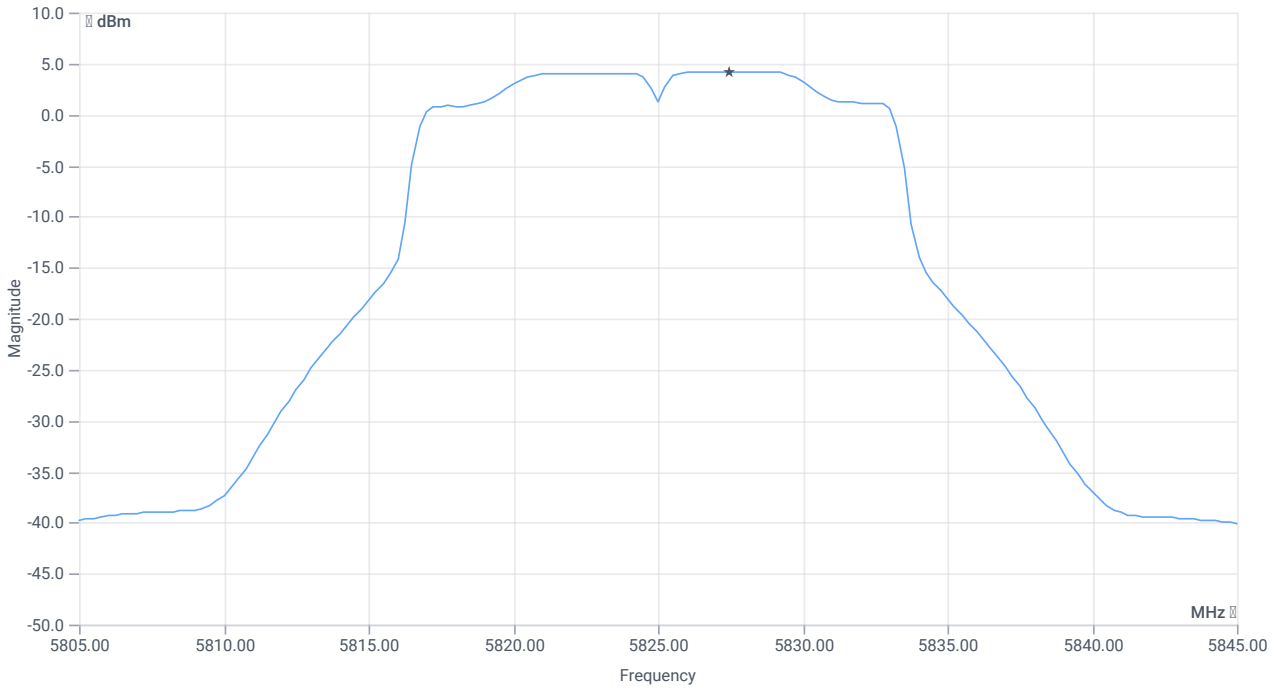
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	18.08	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	18.25	dBm	PASS
LIMIT: 11 dBm + 10 log 24.2					
Max output power DC corrected cond	---	24.84	18.25	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.25 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.19	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	4.36	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-3

References

TC start	07.05.2026 14:10:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5825 MHz

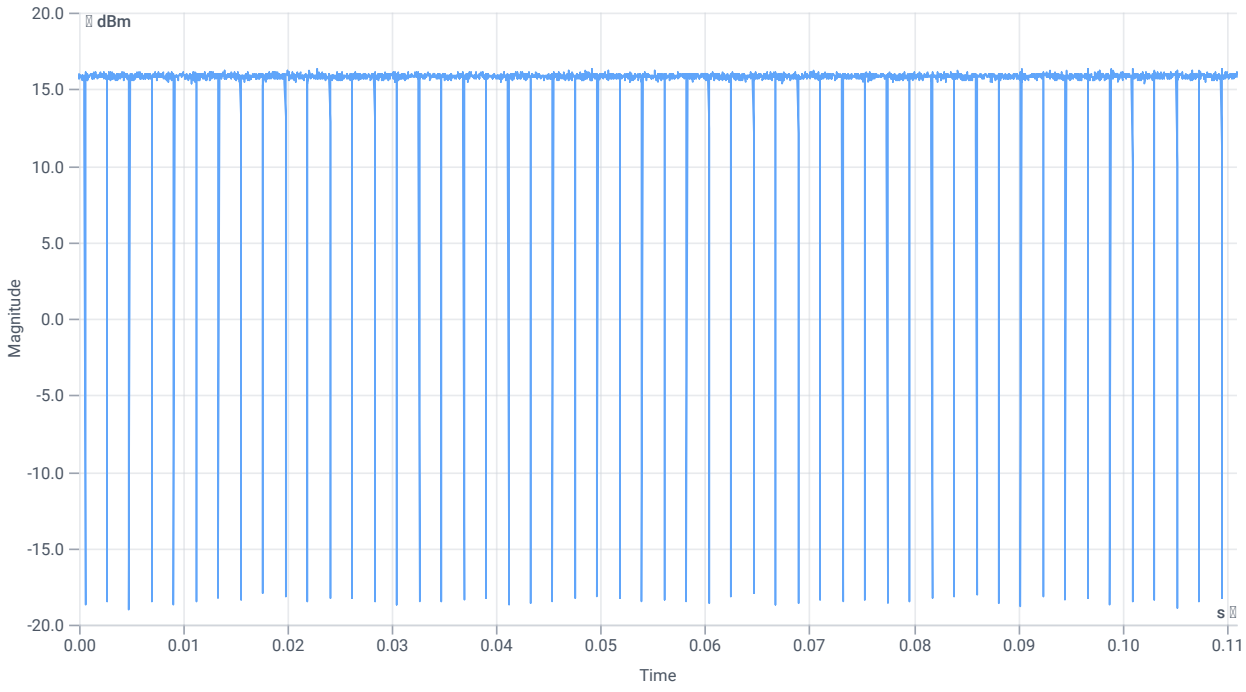
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.54	dBm	INFO
Ref. frequency	---	---	5827.400	MHz	INFO

Evaluation max. duty cycle

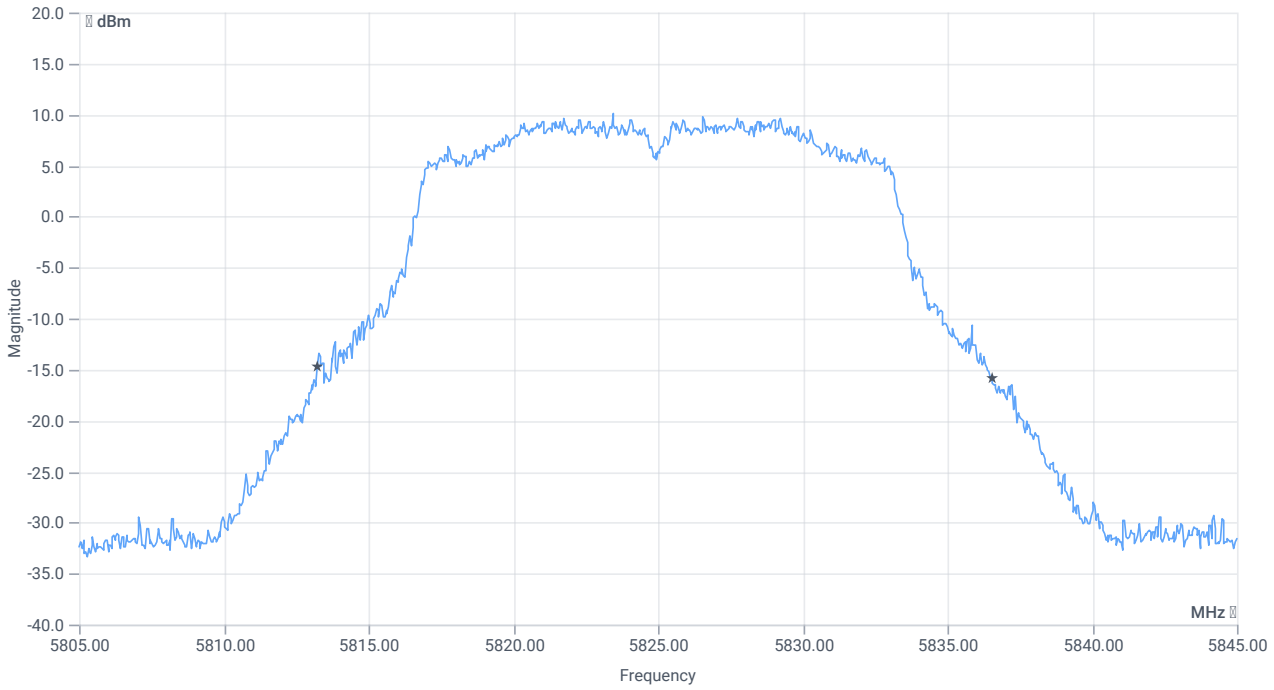
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

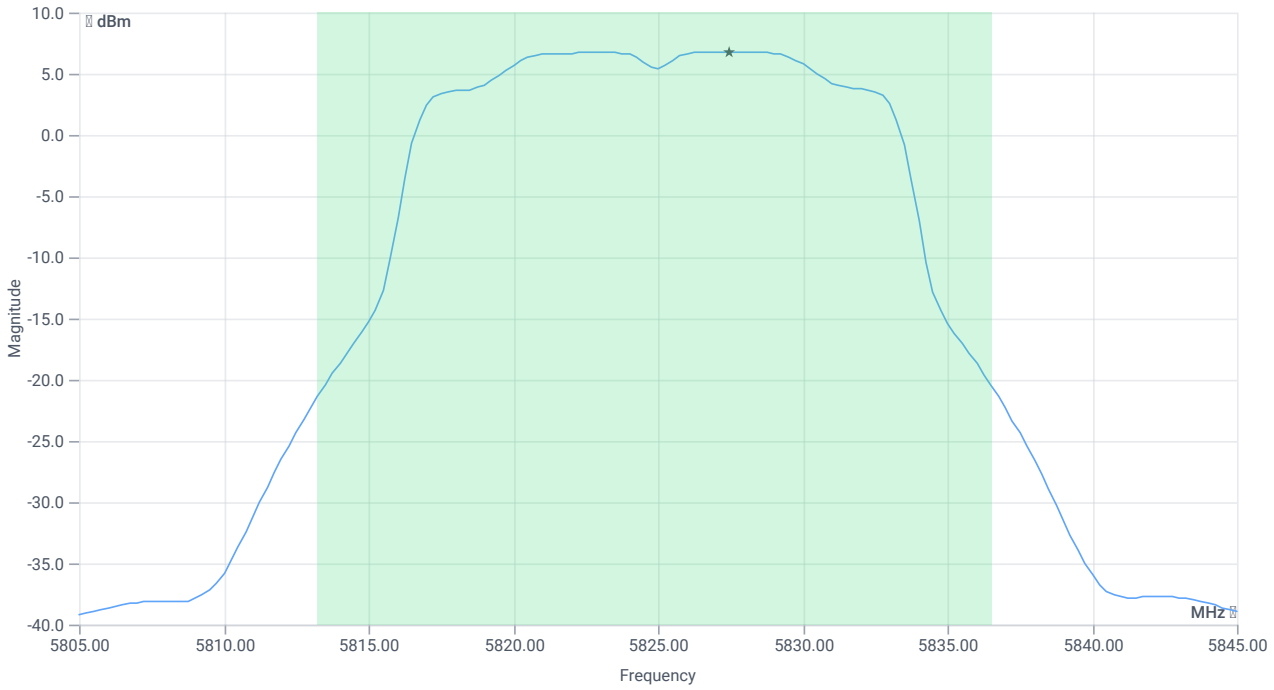
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.28	MHz	INFO
T1 26dB	---	---	5813.2400	MHz	INFO
T2 26dB	---	---	5836.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.54 | 11.42 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

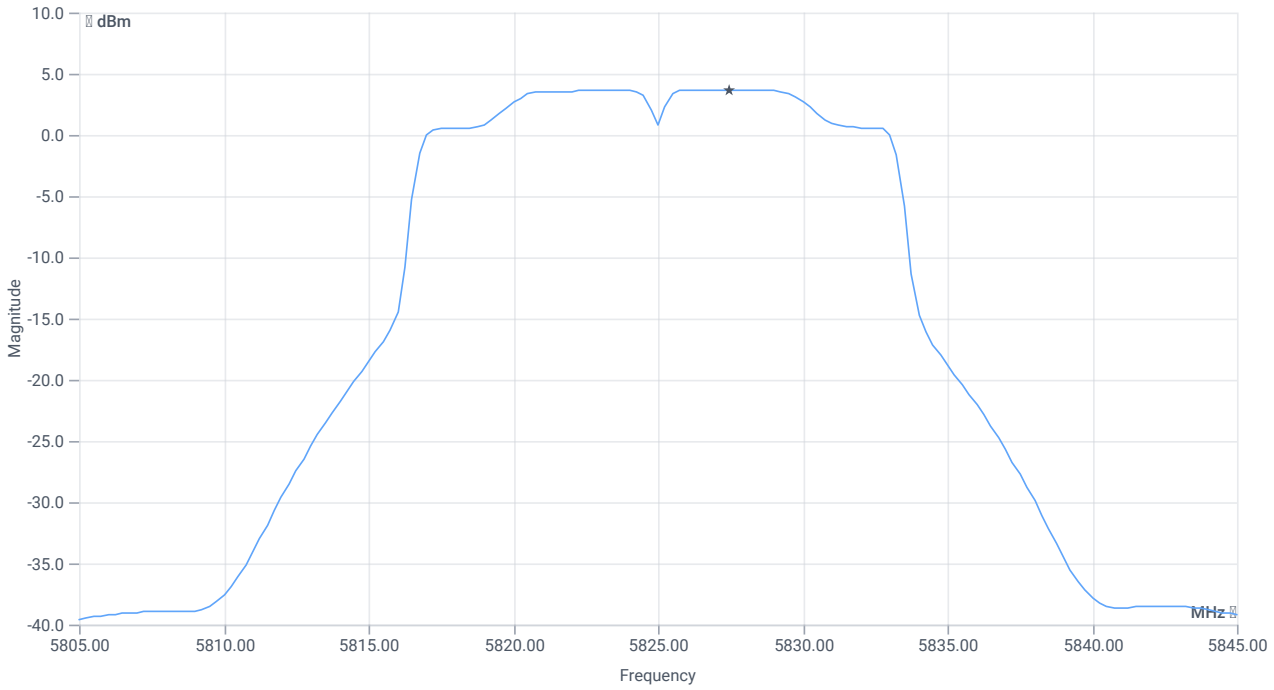
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.63	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.8	dBm	PASS
LIMIT: 11 dBm + 10 log 23.28					
Max output power DC corrected cond	---	24.67	17.8	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.54 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.68	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO
Power spectral density DC corrected cond	---	30	3.85	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:18:42
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5260 MHz

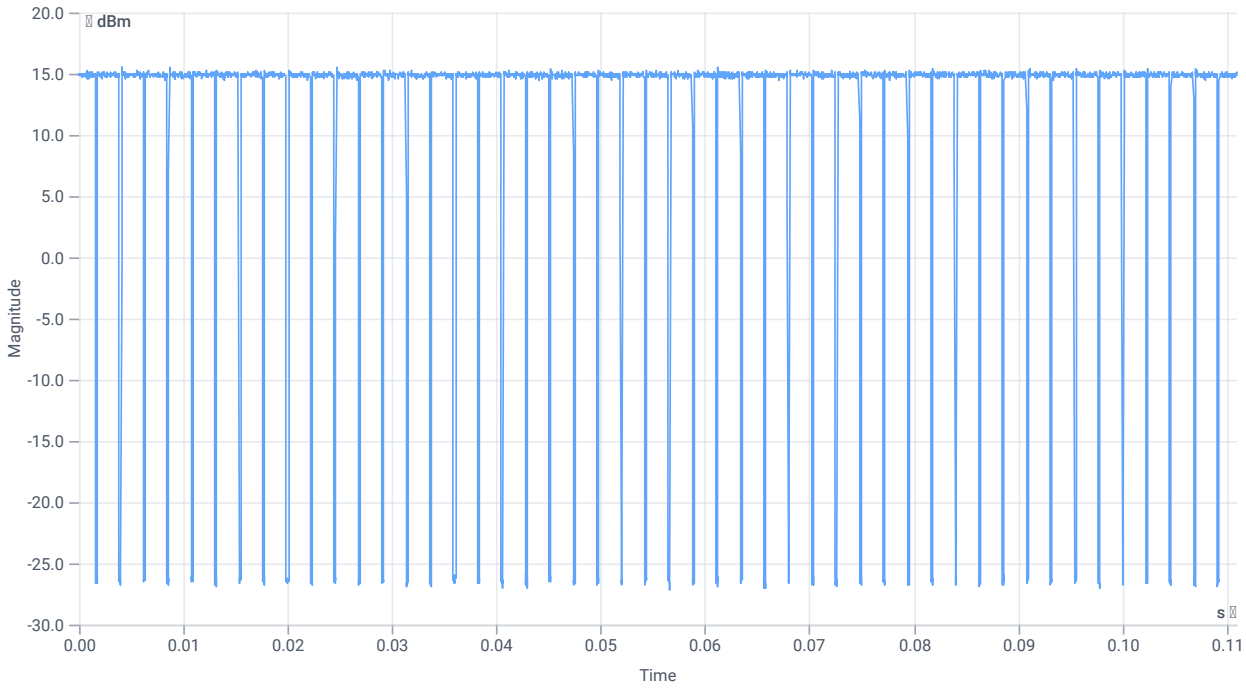
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.01	dBm	INFO
Ref. frequency	---	---	5262.800	MHz	INFO

Evaluation max. duty cycle

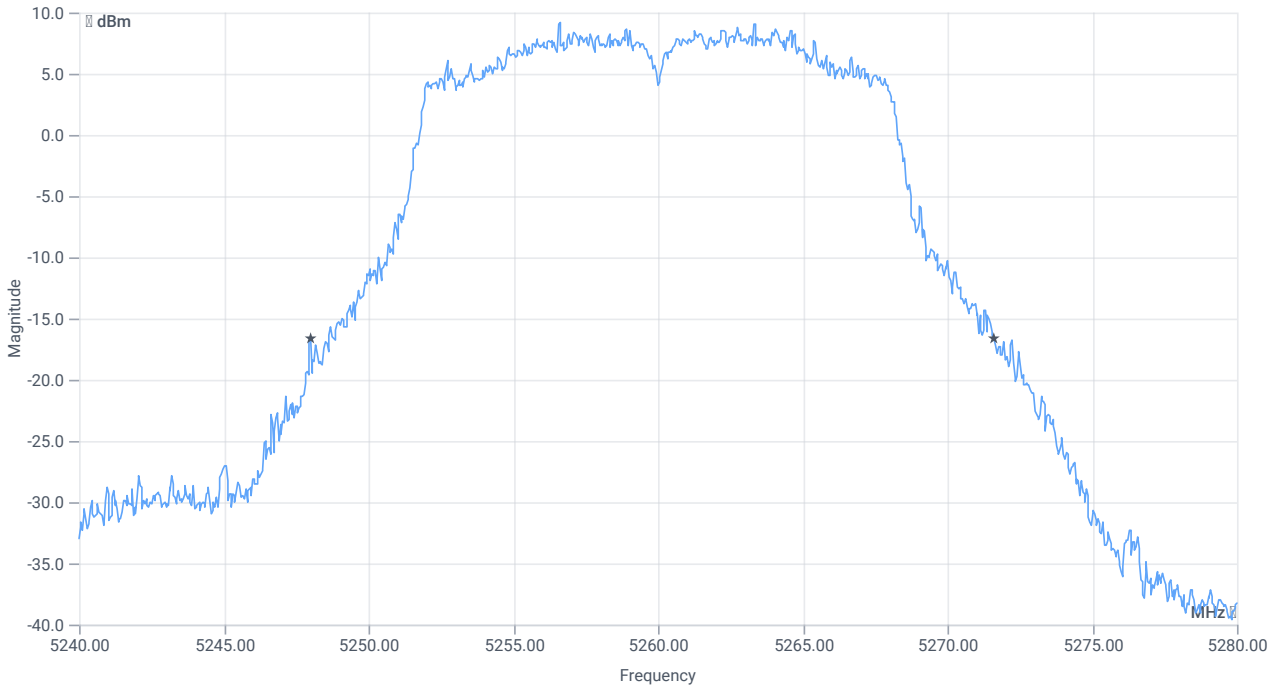
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 47					
Duty cycle (burst Ratio) max	---	---	0.902	---	INFO
Duty cycle max	---	---	0.448	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.6	MHz	INFO
T1 26dB	---	---	5248.0000	MHz	INFO
T2 26dB	---	---	5271.6000	MHz	INFO

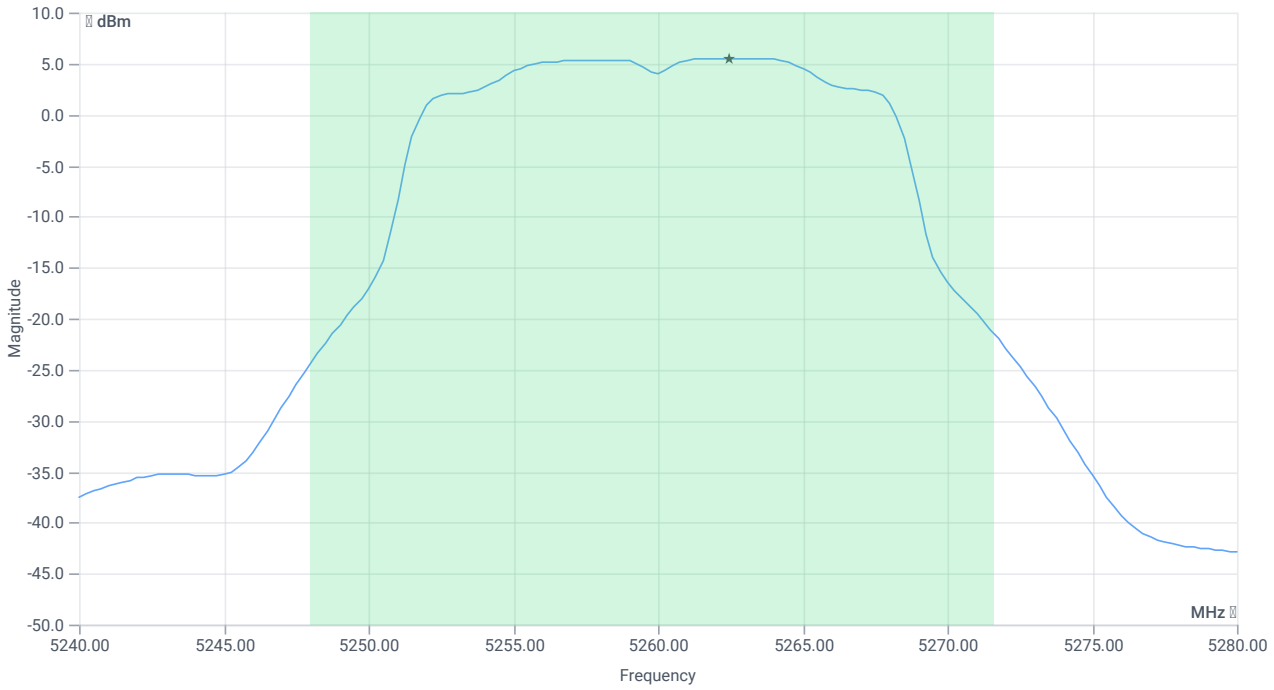
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.01 | 11.32 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.26	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.76	dBm	PASS
LIMIT: 11 dBm + 10 log 23.6					
Max output power DC corrected cond	---	24.73	16.76	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.76	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.47	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.97	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:24:04
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5260 MHz

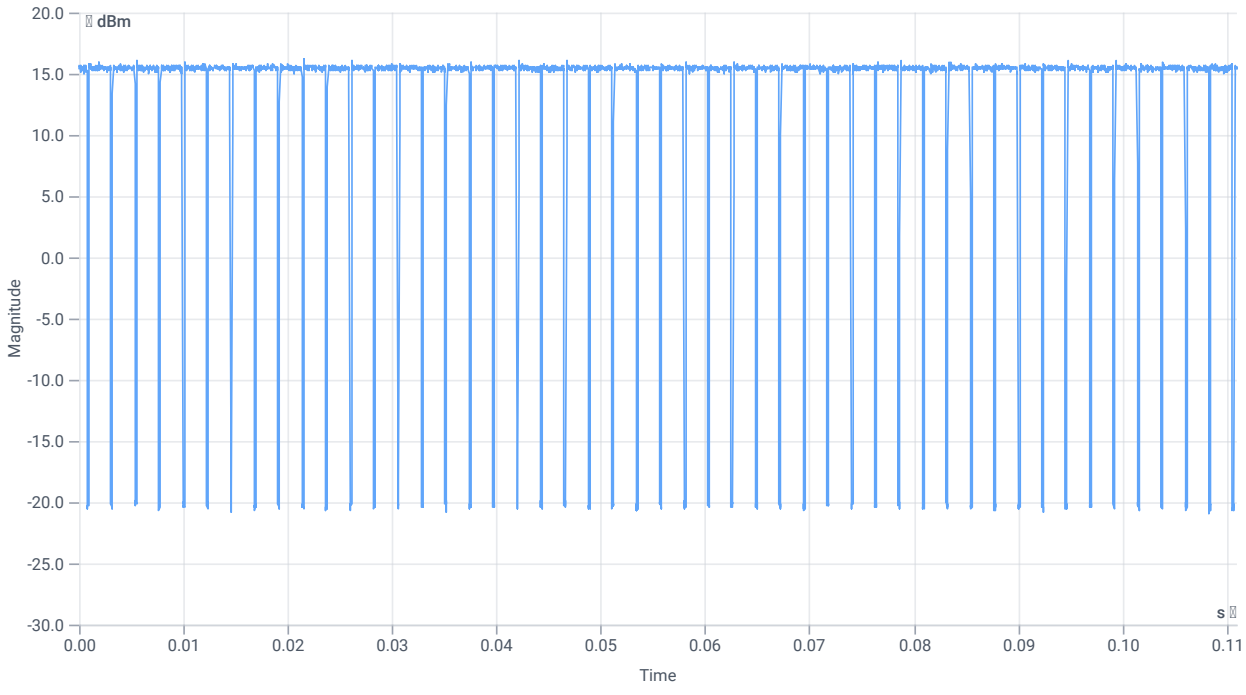
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.88	dBm	INFO
Ref. frequency	---	---	5256.200	MHz	INFO

Evaluation max. duty cycle

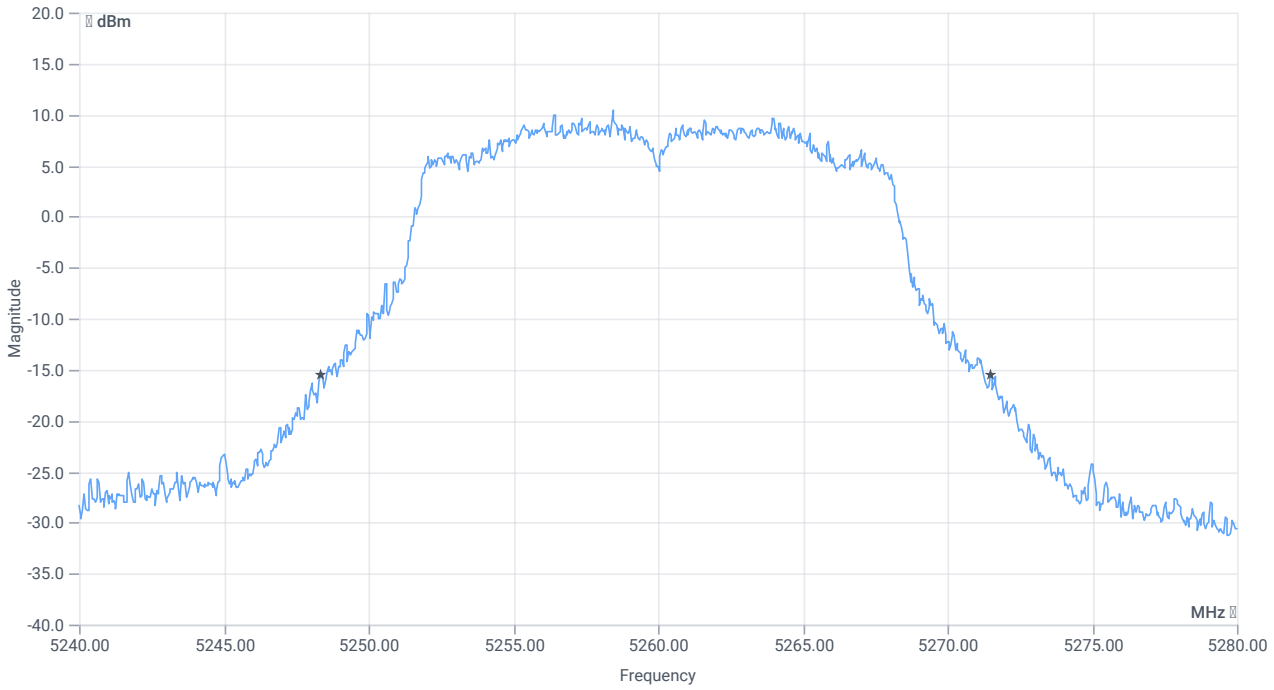
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.904	---	INFO
Duty cycle max	---	---	0.438	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.081	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.16	MHz	INFO
T1 26dB	---	---	5248.3200	MHz	INFO
T2 26dB	---	---	5271.4800	MHz	INFO

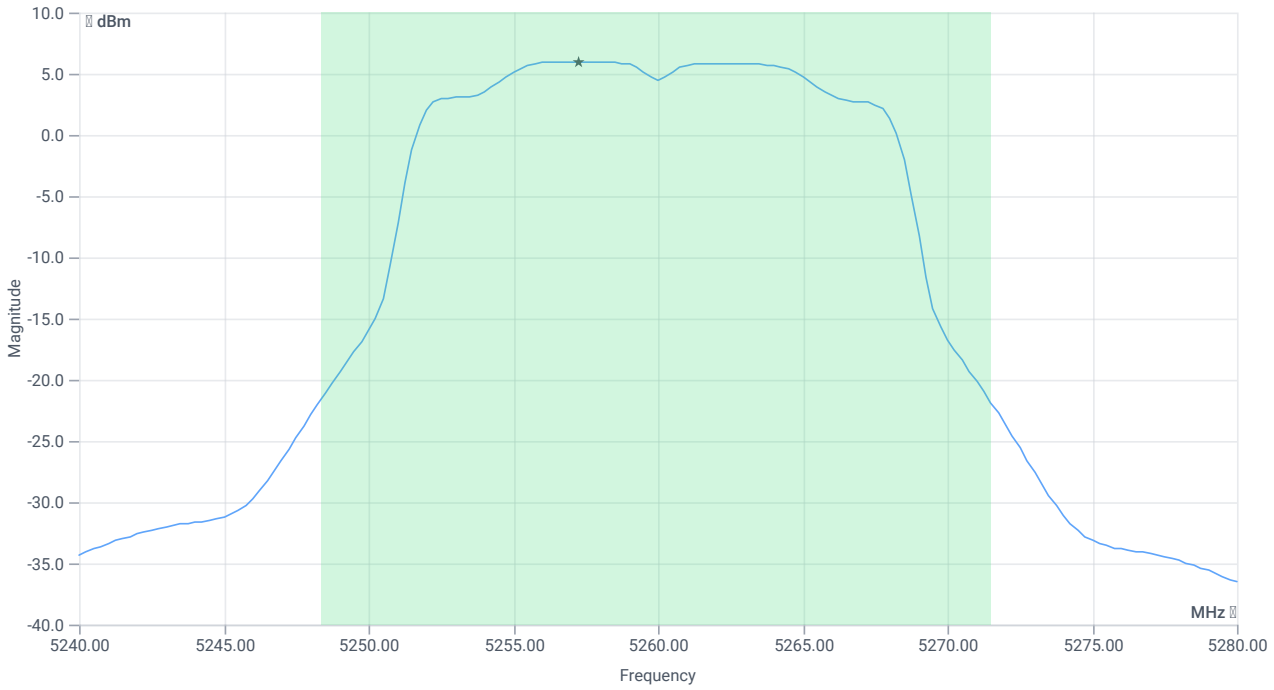
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.88 | 11.29 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.79	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.29	dBm	PASS
LIMIT: 11 dBm + 10 log 23.16					
Max output power DC corrected cond	---	24.65	17.29	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.29	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.94	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.44	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:25:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5280 MHz

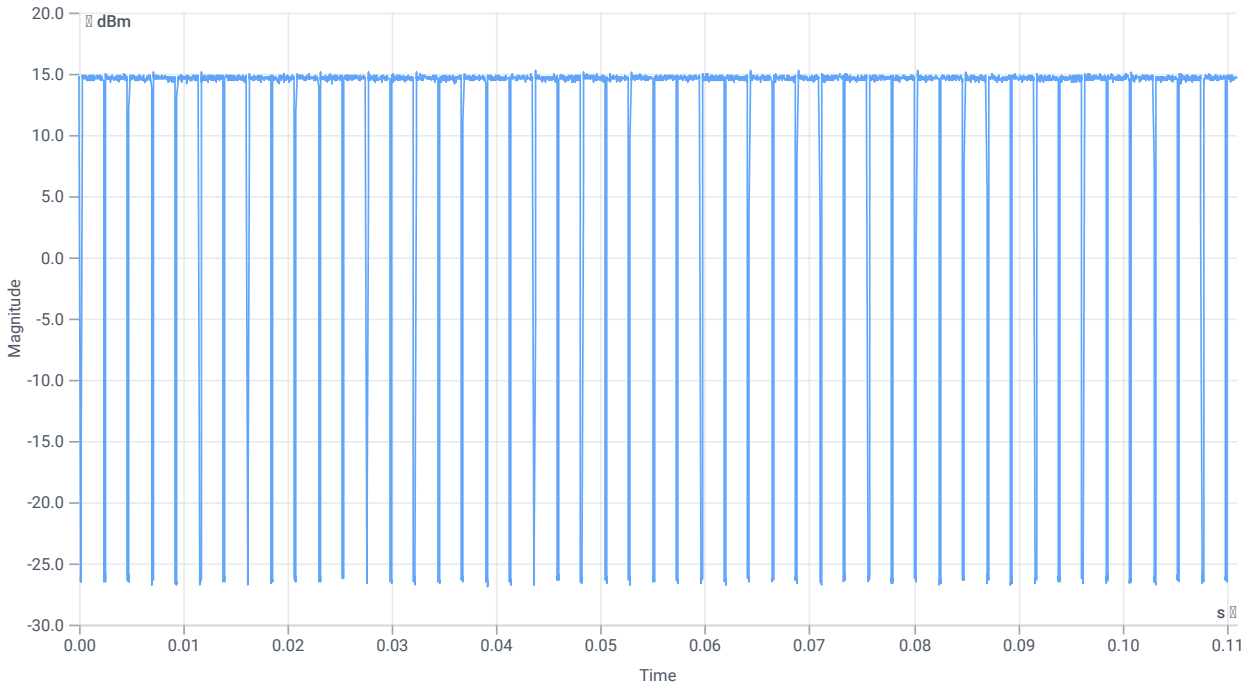
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.84	dBm	INFO
Ref. frequency	---	---	5276.200	MHz	INFO

Evaluation max. duty cycle

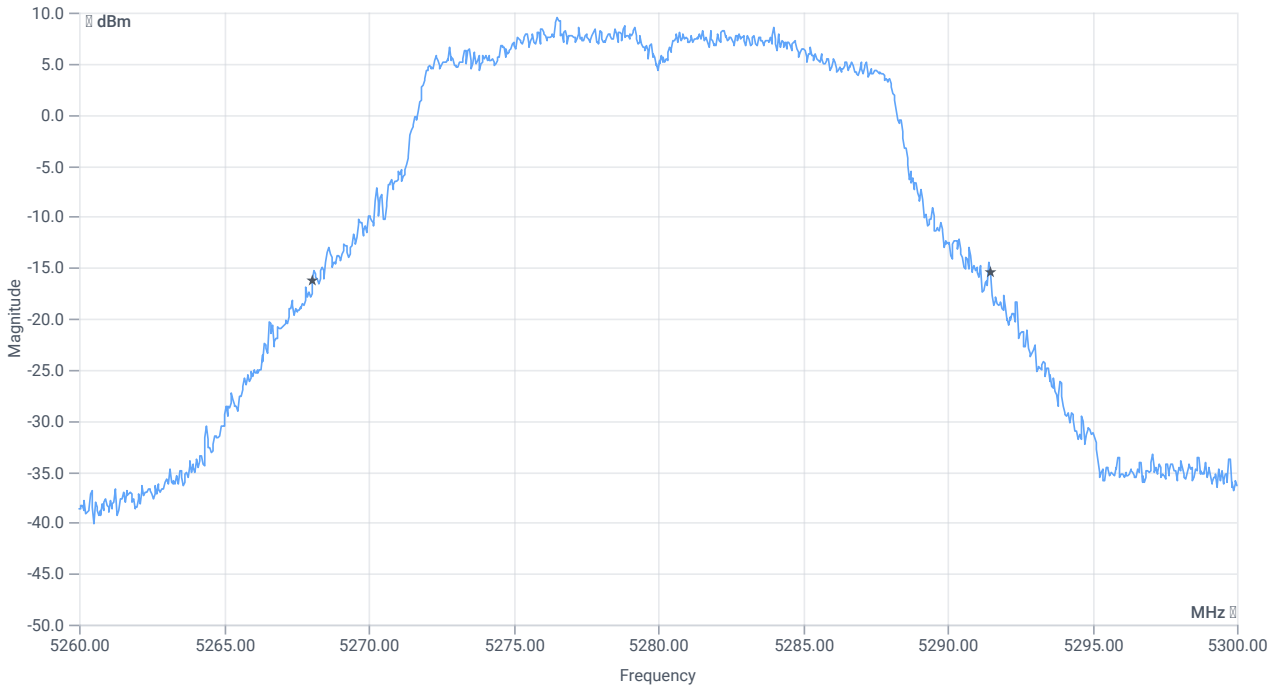
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.904	---	INFO
Duty cycle max	---	---	0.438	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.081	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.4	MHz	INFO
T1 26dB	---	---	5268.0800	MHz	INFO
T2 26dB	---	---	5291.4800	MHz	INFO

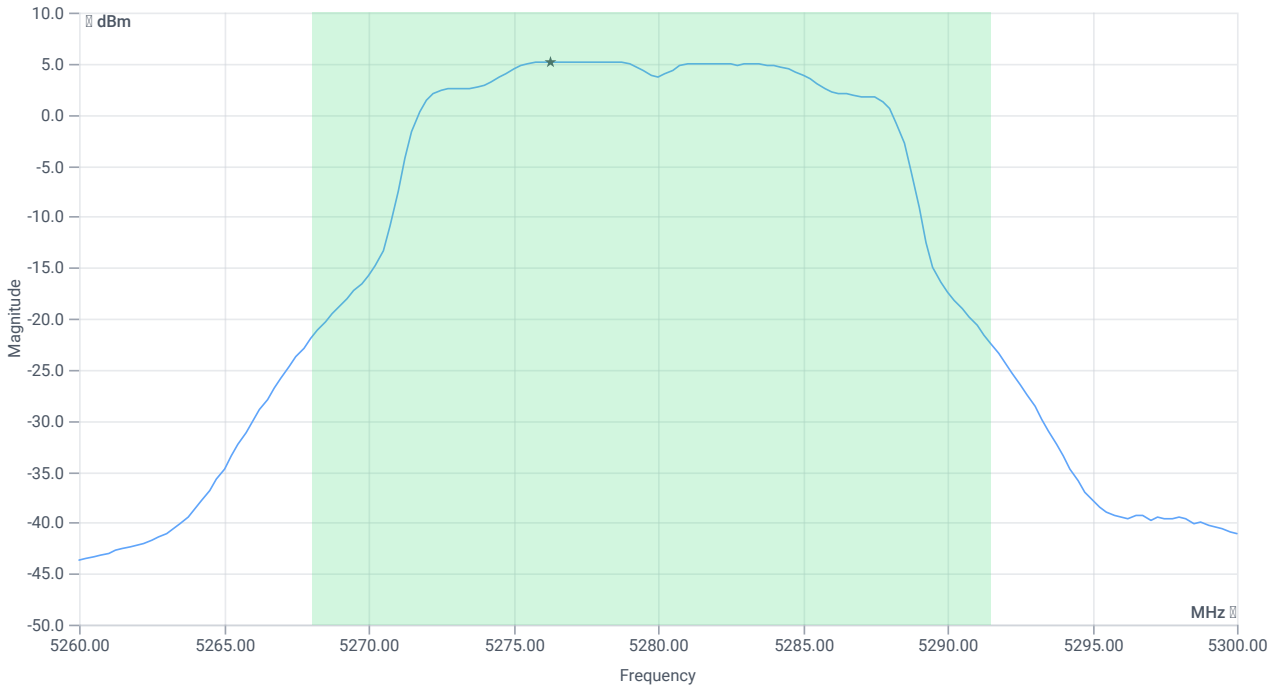
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.84 | 11.36 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.01	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.51	dBm	PASS
LIMIT: 11 dBm + 10 log 23.4					
Max output power DC corrected cond	---	24.69	16.51	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.51	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.21	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.71	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:27:43
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5280 MHz

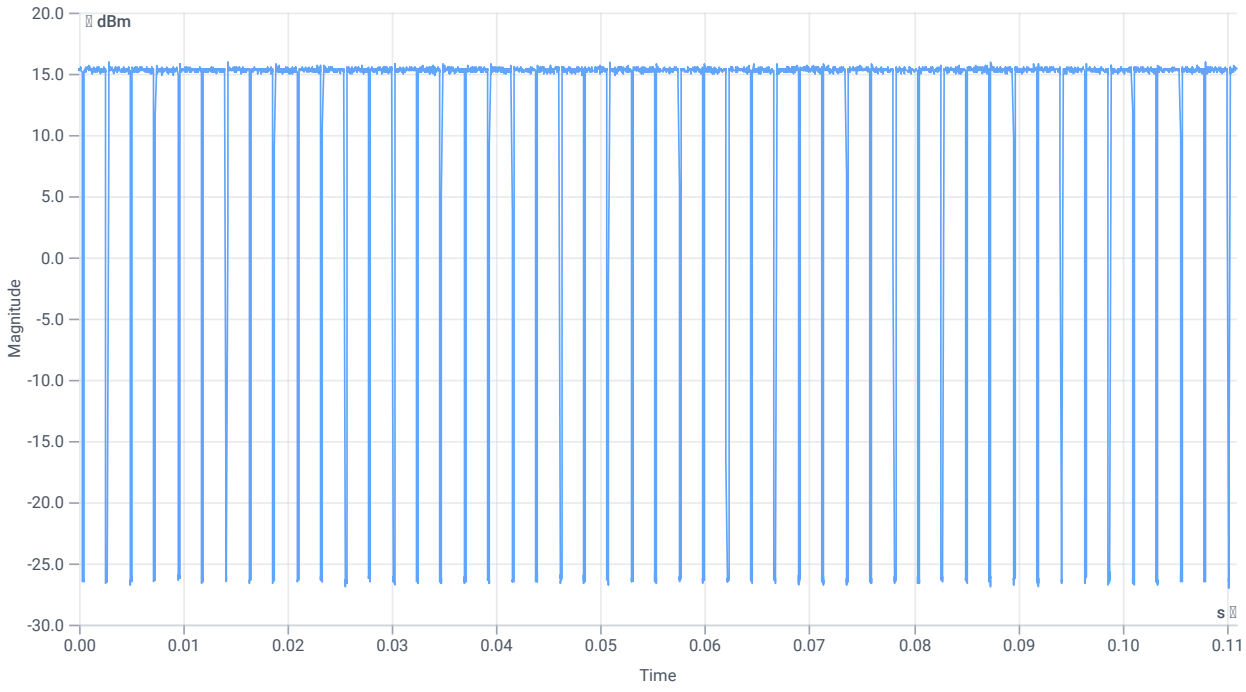
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.56	dBm	INFO
Ref. frequency	---	---	5282.400	MHz	INFO

Evaluation max. duty cycle

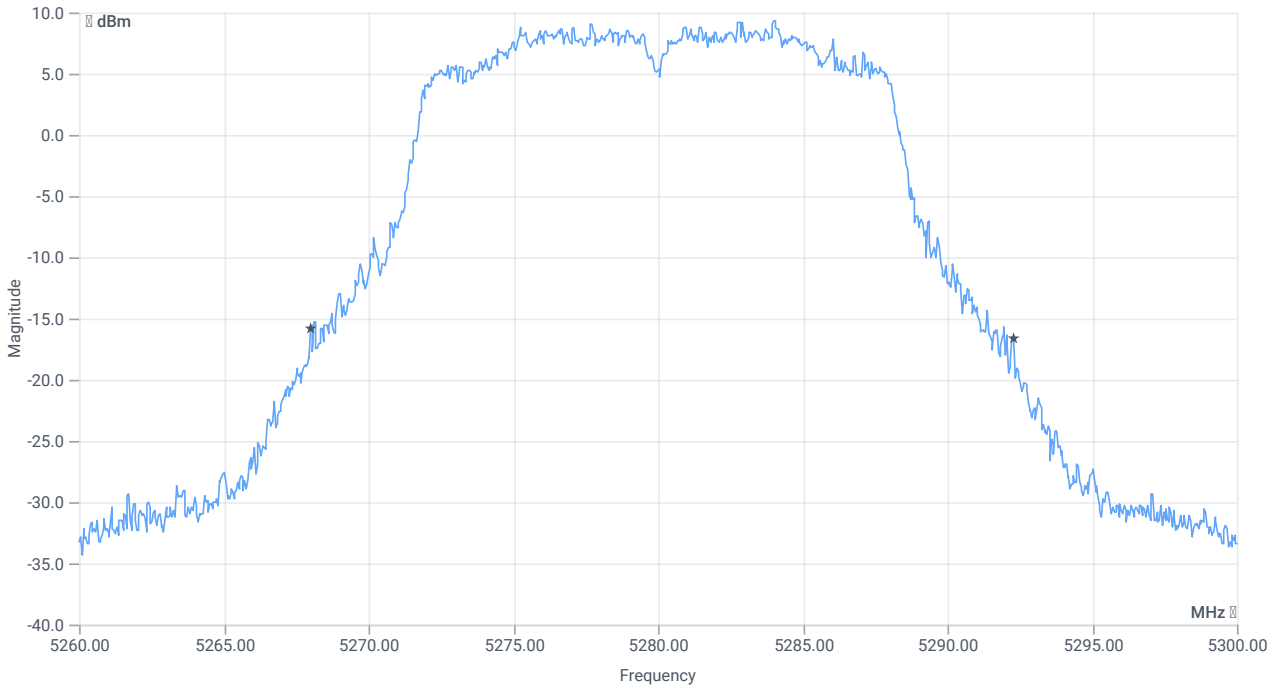
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.904	---	INFO
Duty cycle max	---	---	0.438	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.081	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.28	MHz	INFO
T1 26dB	---	---	5268.0000	MHz	INFO
T2 26dB	---	---	5292.2800	MHz	INFO

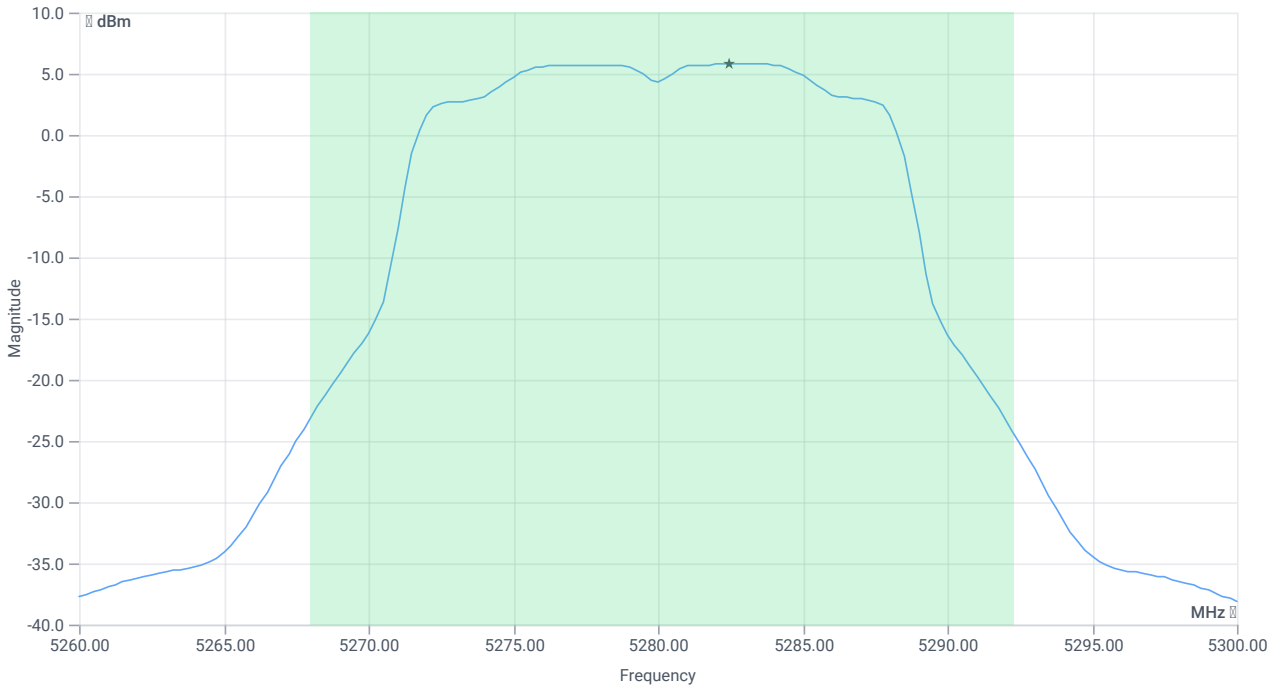
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.56 | 11.33 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.65	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.15	dBm	PASS
LIMIT: 11 dBm + 10 log 24.28					
Max output power DC corrected cond	---	24.85	17.15	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.15	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.78	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.28	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:29:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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 5320 MHz

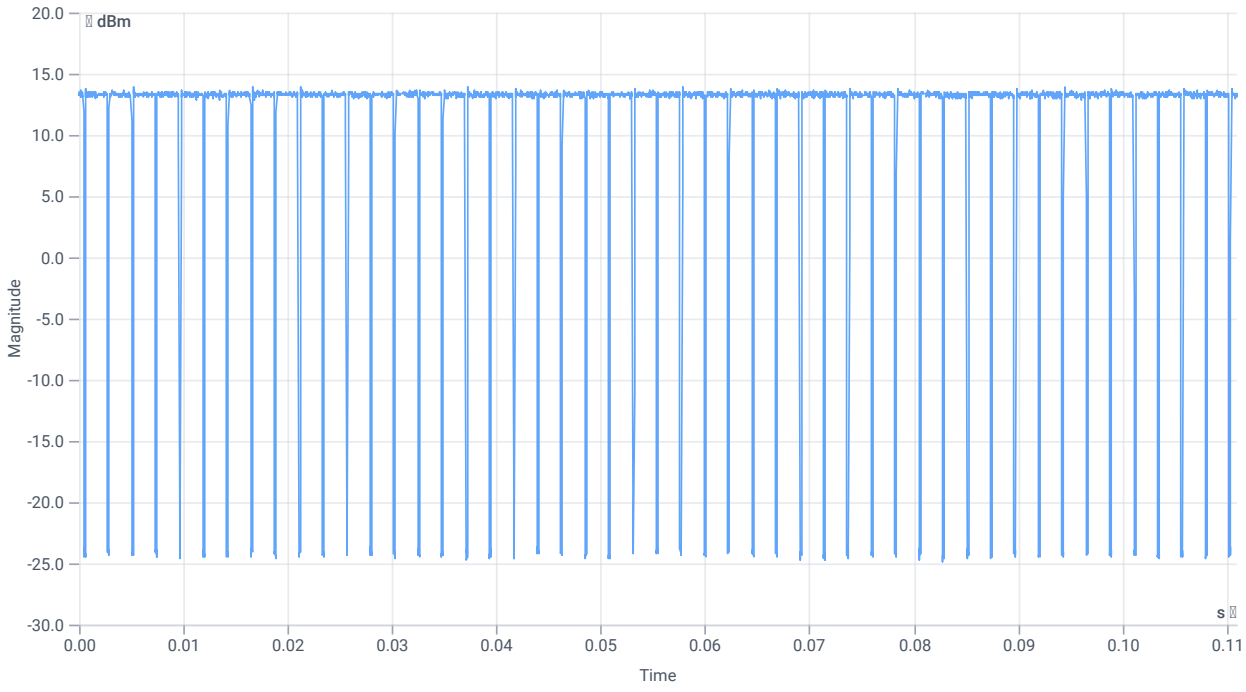
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.69	dBm	INFO
Ref. frequency	---	---	5321.200	MHz	INFO

Evaluation max. duty cycle

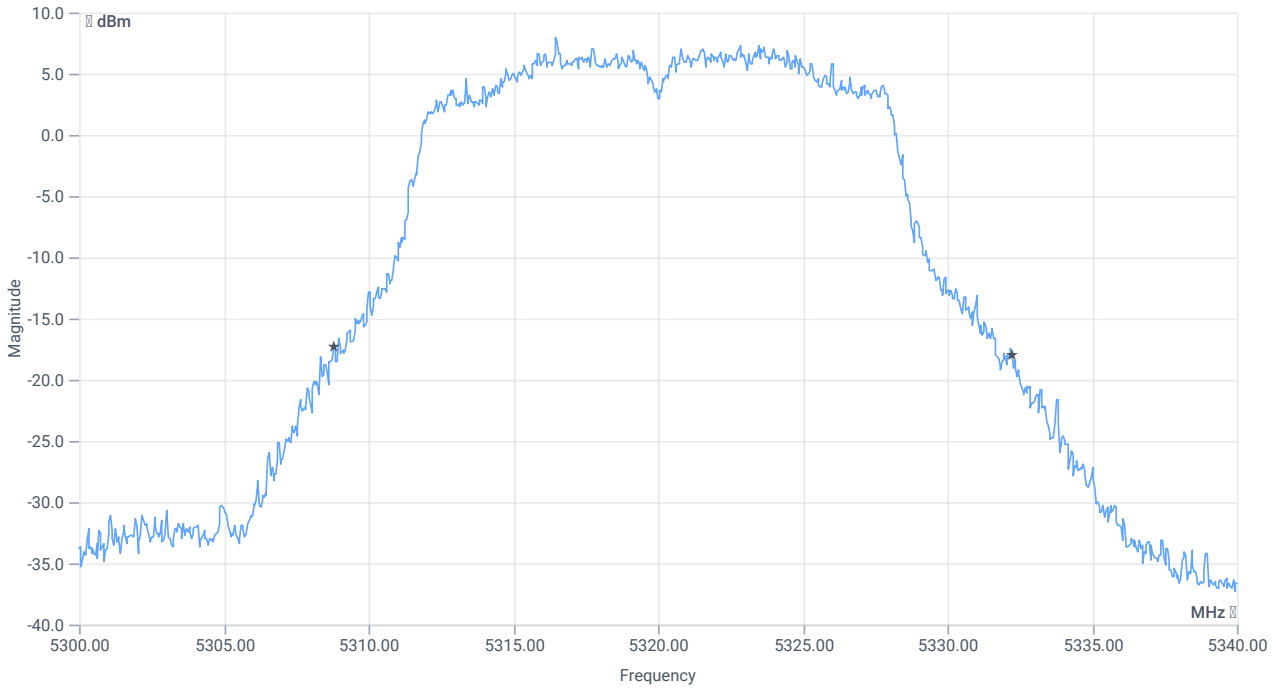
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 48					
Duty cycle (burst Ratio) max	---	---	0.904	---	INFO
Duty cycle max	---	---	0.438	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.081	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.44	MHz	INFO
T1 26dB	---	---	5308.8000	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

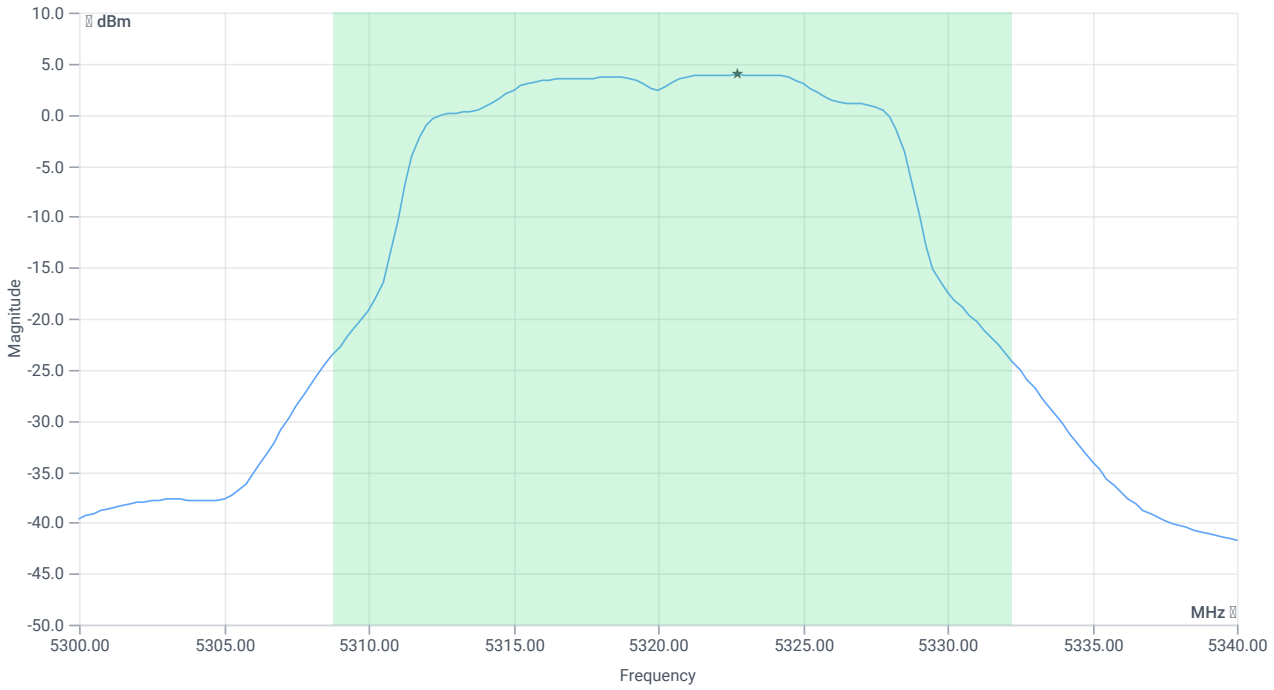
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.69 | 11.48 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.62	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.12	dBm	PASS
LIMIT: 11 dBm + 10 log 23.44					
Max output power DC corrected cond	---	24.7	15.12	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.12	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.94	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	4.44	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2A

References

TC start	06.05.2026 13:31:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5320 MHz

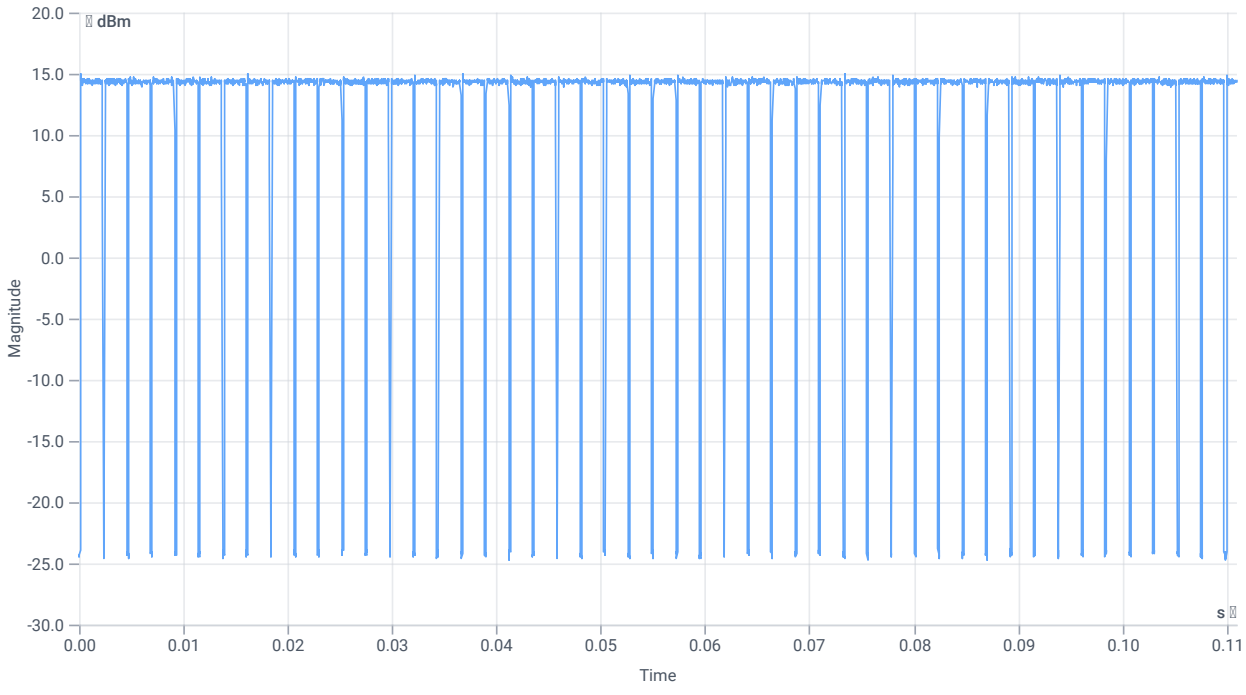
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.57	dBm	INFO
Ref. frequency	---	---	5321.400	MHz	INFO

Evaluation max. duty cycle

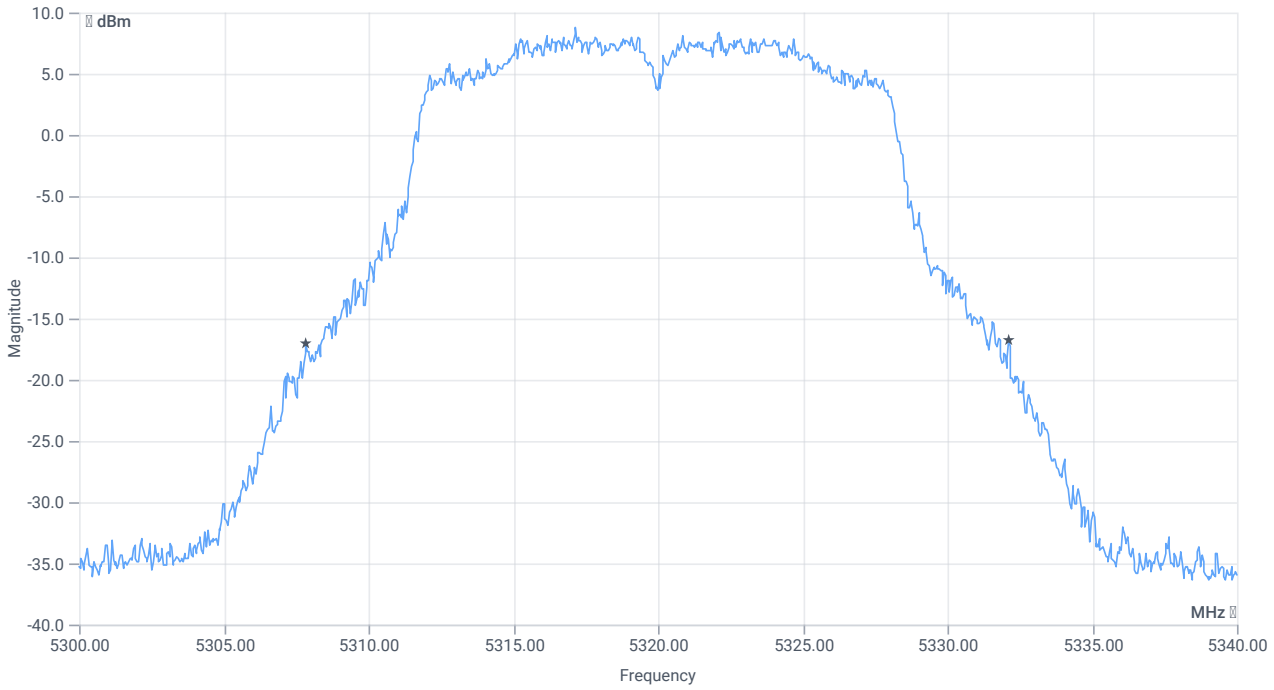
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 47					
Duty cycle (burst Ratio) max	---	---	0.904	---	INFO
Duty cycle max	---	---	0.438	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.892	---	INFO
Duty cycle min	---	---	0.496	dB	INFO
Max TX burst length	---	---	2.081	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.28	MHz	INFO
T1 26dB	---	---	5307.8400	MHz	INFO
T2 26dB	---	---	5332.1200	MHz	INFO

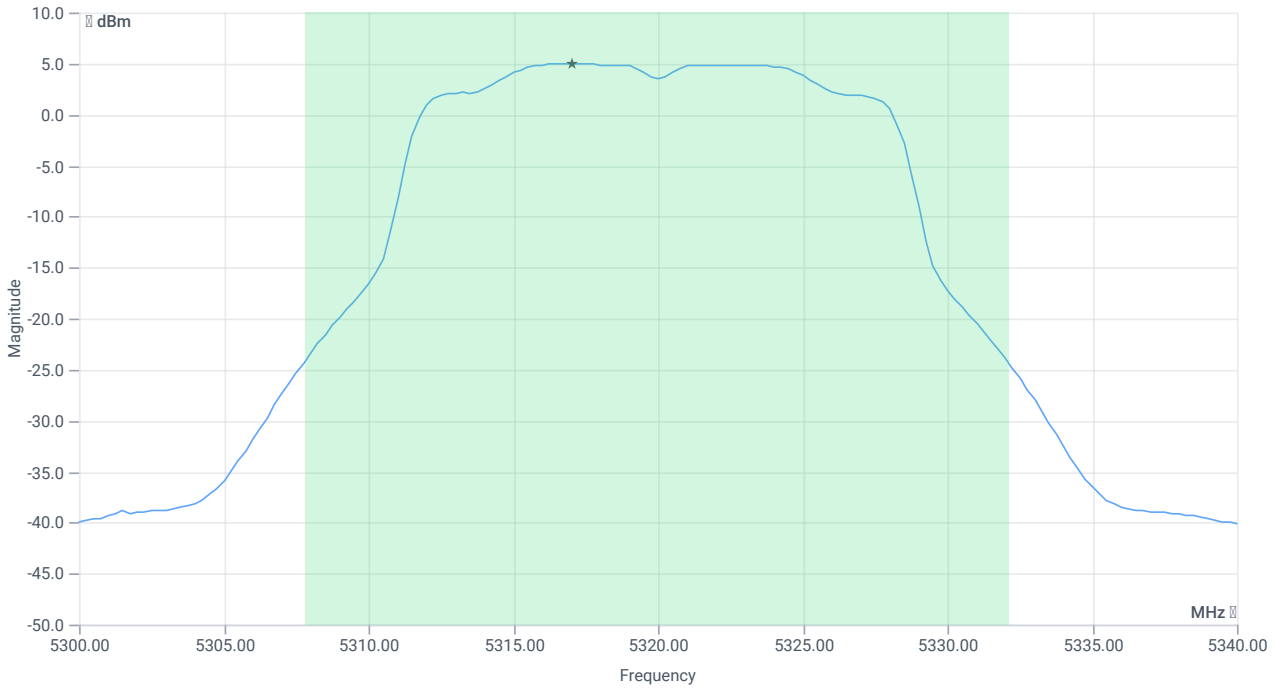
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.57 | 11.47 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.81	dBm	INFO
Duty cycle correction	---	---	0.5	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.31	dBm	PASS
LIMIT: 11 dBm + 10 log 24.28					
Max output power DC corrected cond	---	24.85	16.31	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.31	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.97	dBm/1MHz	INFO
Duty cycle correction	---	---	0.5	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.47	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:45:04
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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 5500 MHz

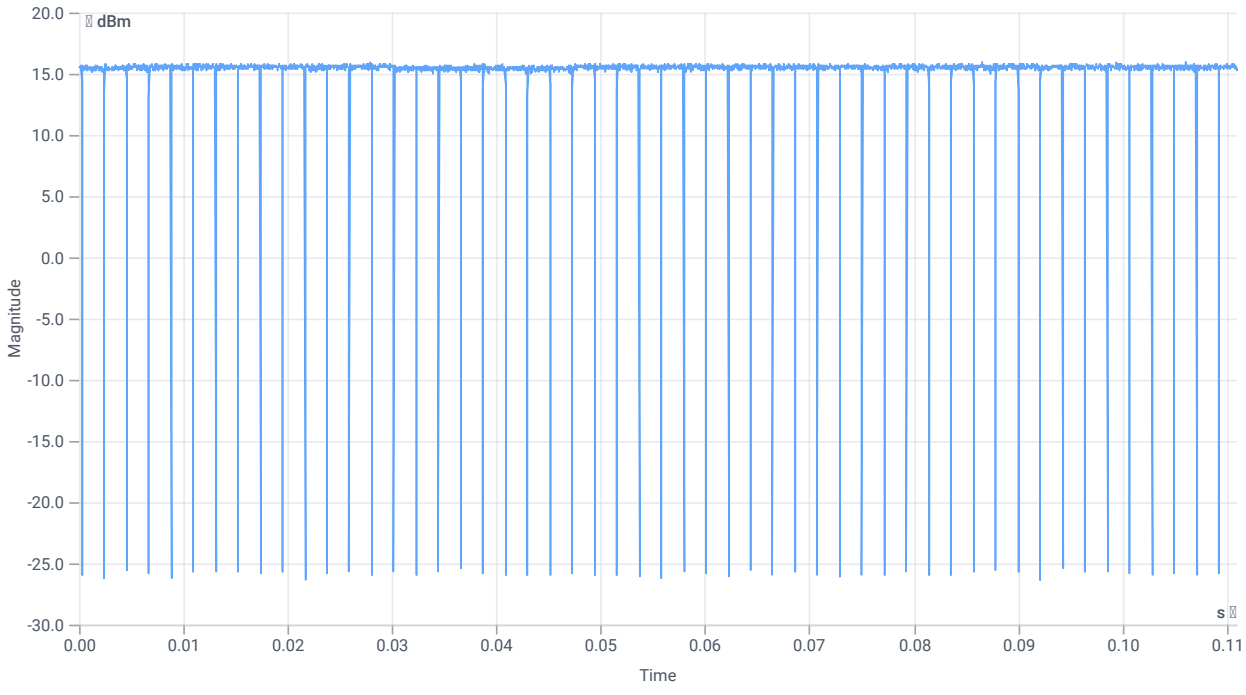
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.80	dBm	INFO
Ref. frequency	---	---	5504.400	MHz	INFO

Evaluation max. duty cycle

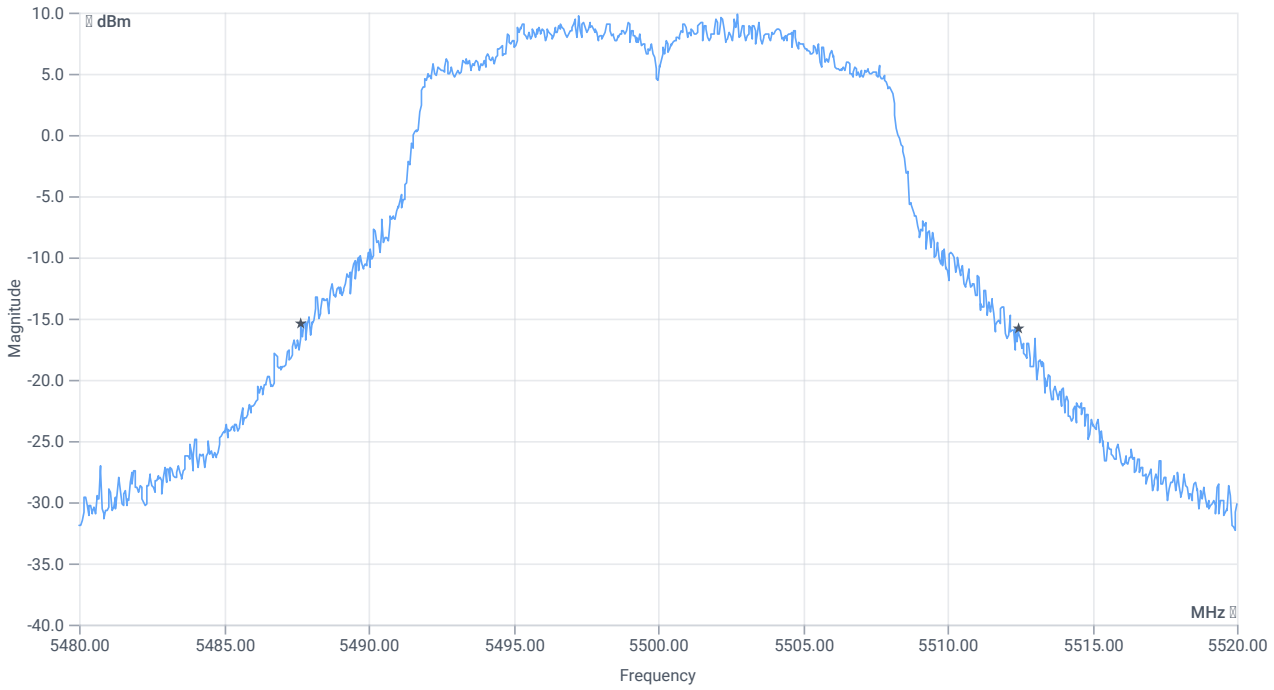
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

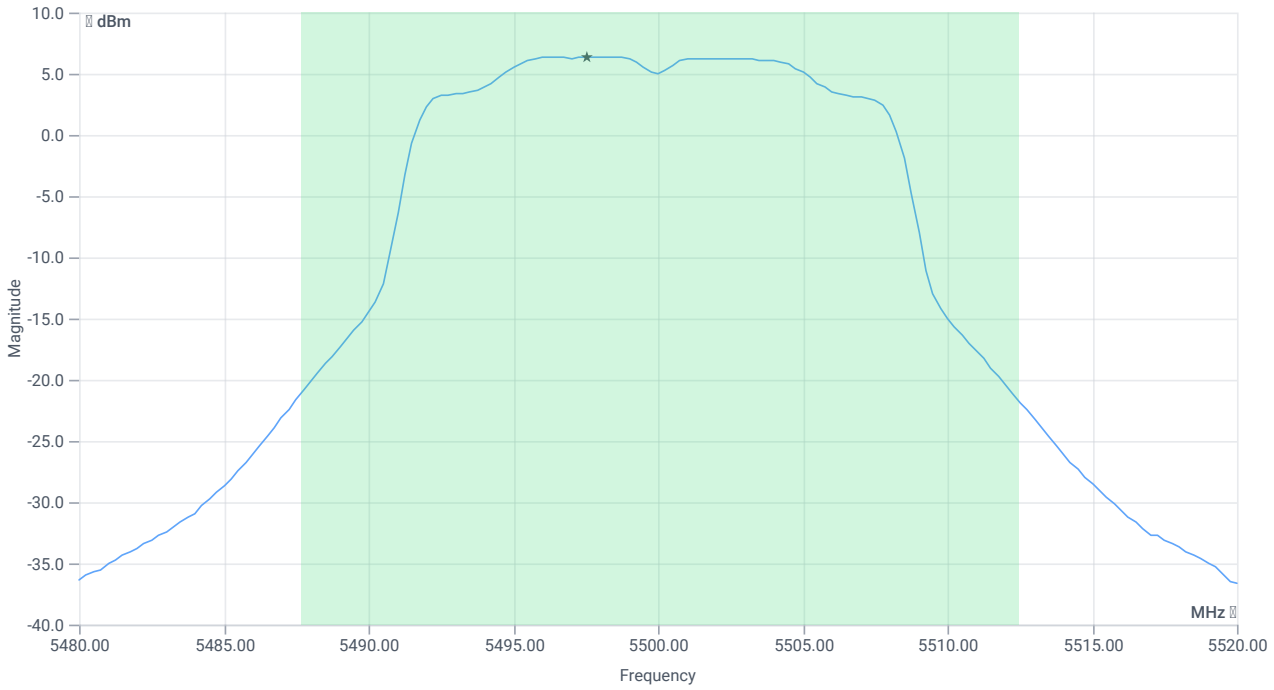
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.76	MHz	INFO
T1 26dB	---	---	5487.6800	MHz	INFO
T2 26dB	---	---	5512.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.80 | 11.6 | 30
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.19	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.36	dBm	PASS
LIMIT: 11 dBm + 10 log 24.76					
Max output power DC corrected cond	---	24.94	17.36	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.36	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.37	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.54	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:46:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5500 MHz

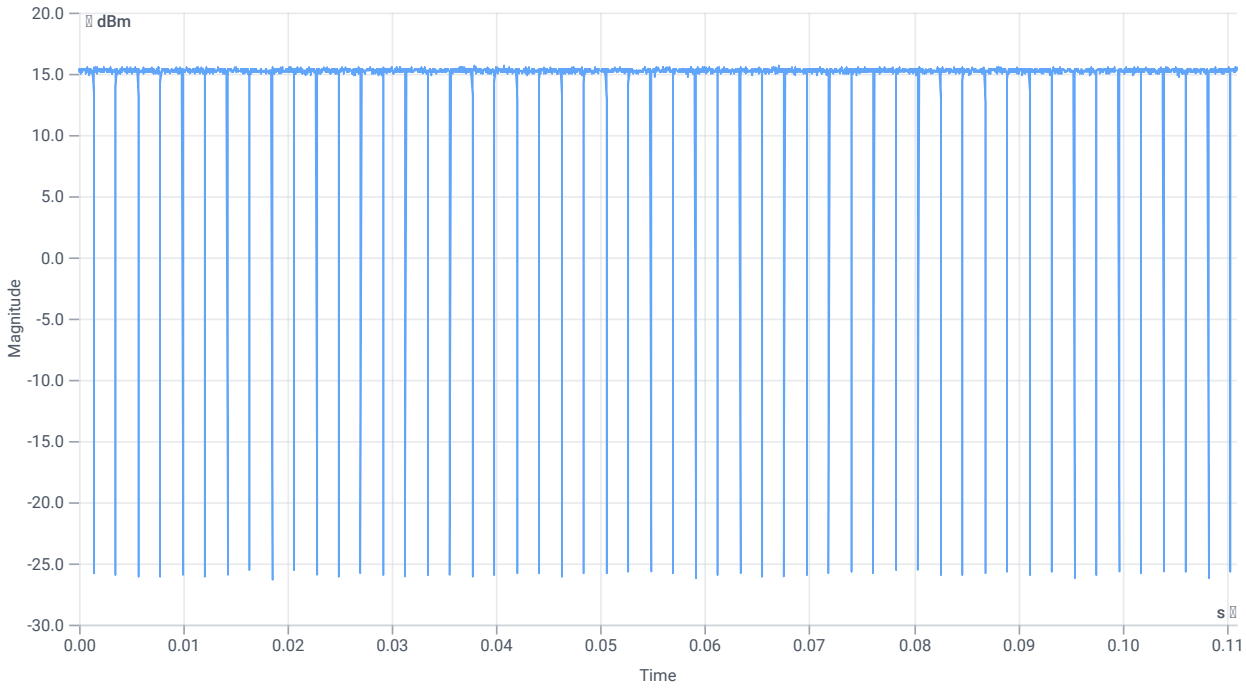
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.42	dBm	INFO
Ref. frequency	---	---	5495.600	MHz	INFO

Evaluation max. duty cycle

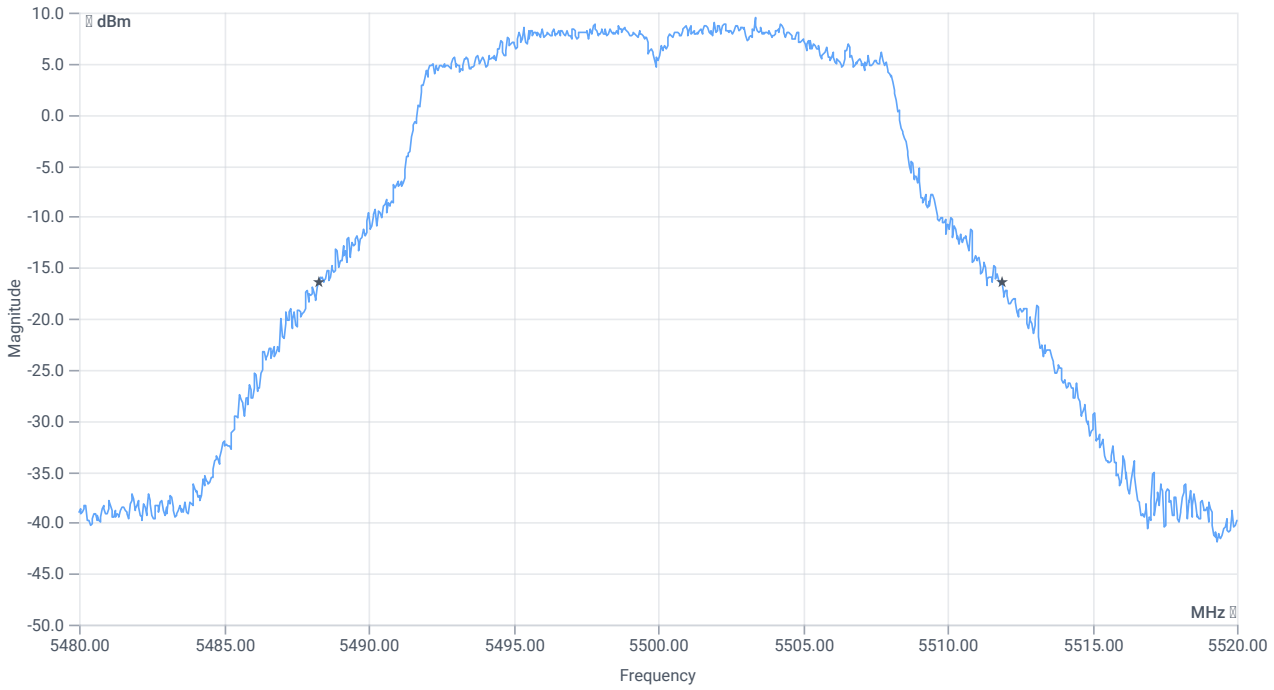
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

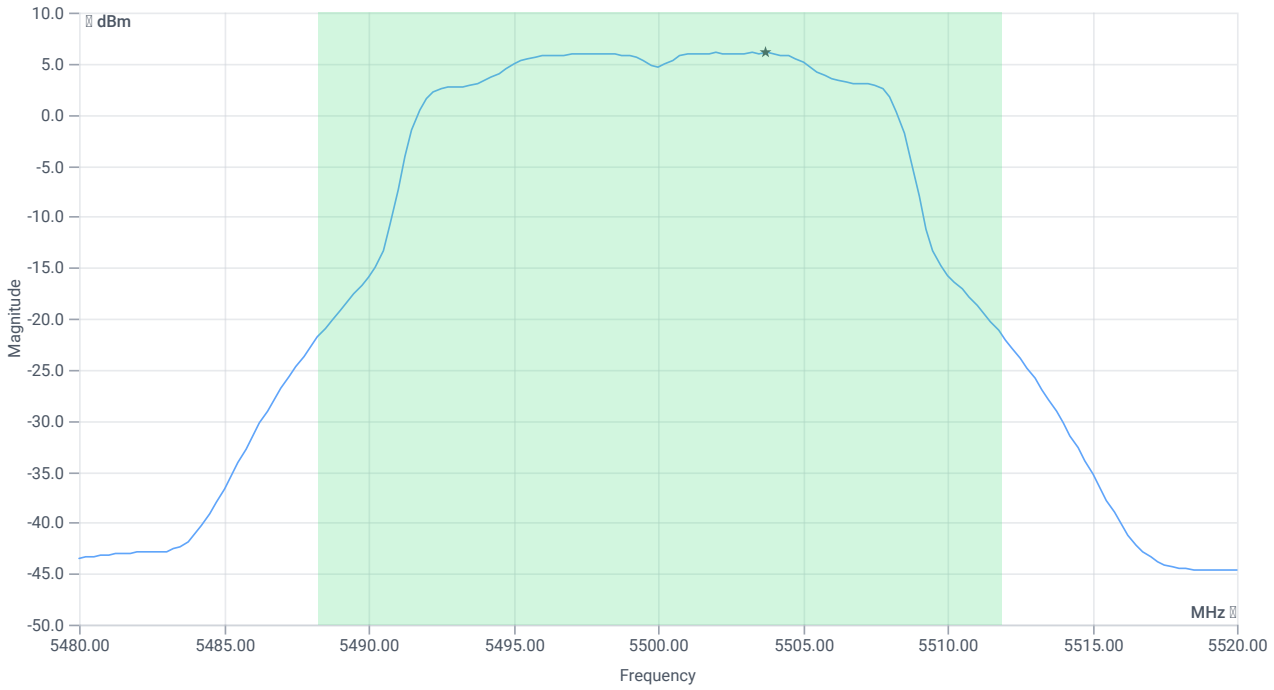
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.6	MHz	INFO
T1 26dB	---	---	5488.2800	MHz	INFO
T2 26dB	---	---	5511.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.42 | 11.55 | 30
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.86	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.03	dBm	PASS
LIMIT: 11 dBm + 10 log 23.6					
Max output power DC corrected cond	---	24.73	17.03	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.03	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.04	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.21	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:48:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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 5600 MHz

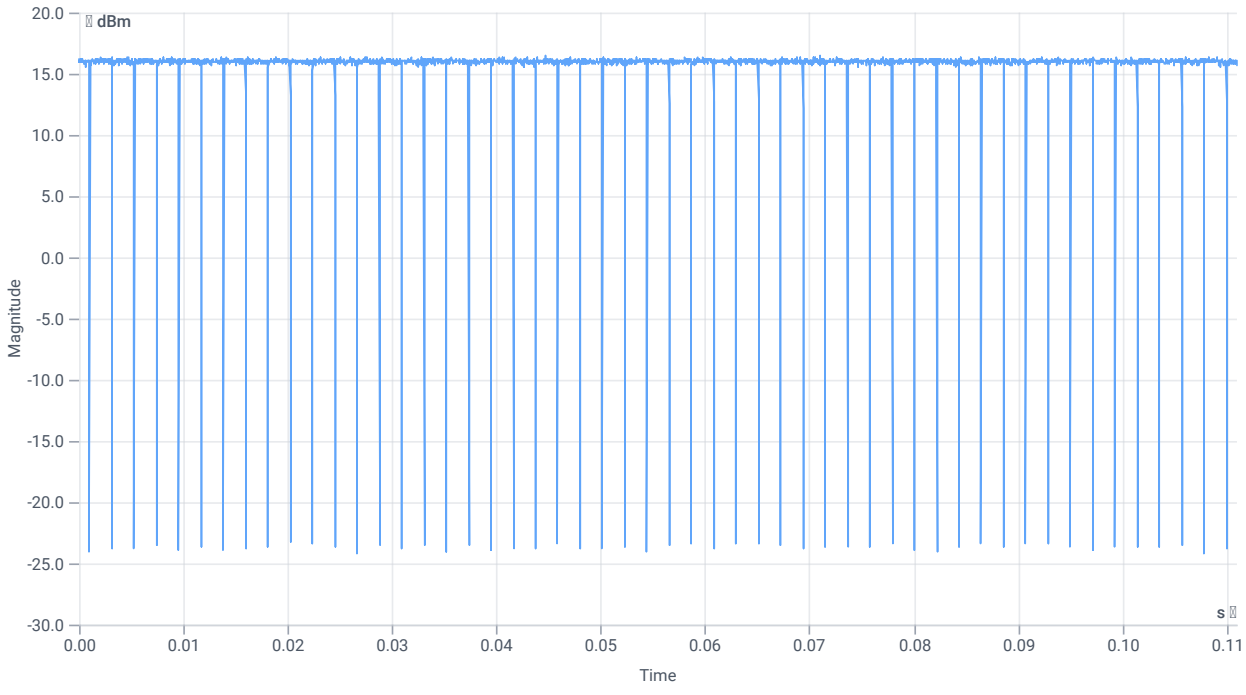
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.56	dBm	INFO
Ref. frequency	---	---	5603.800	MHz	INFO

Evaluation max. duty cycle

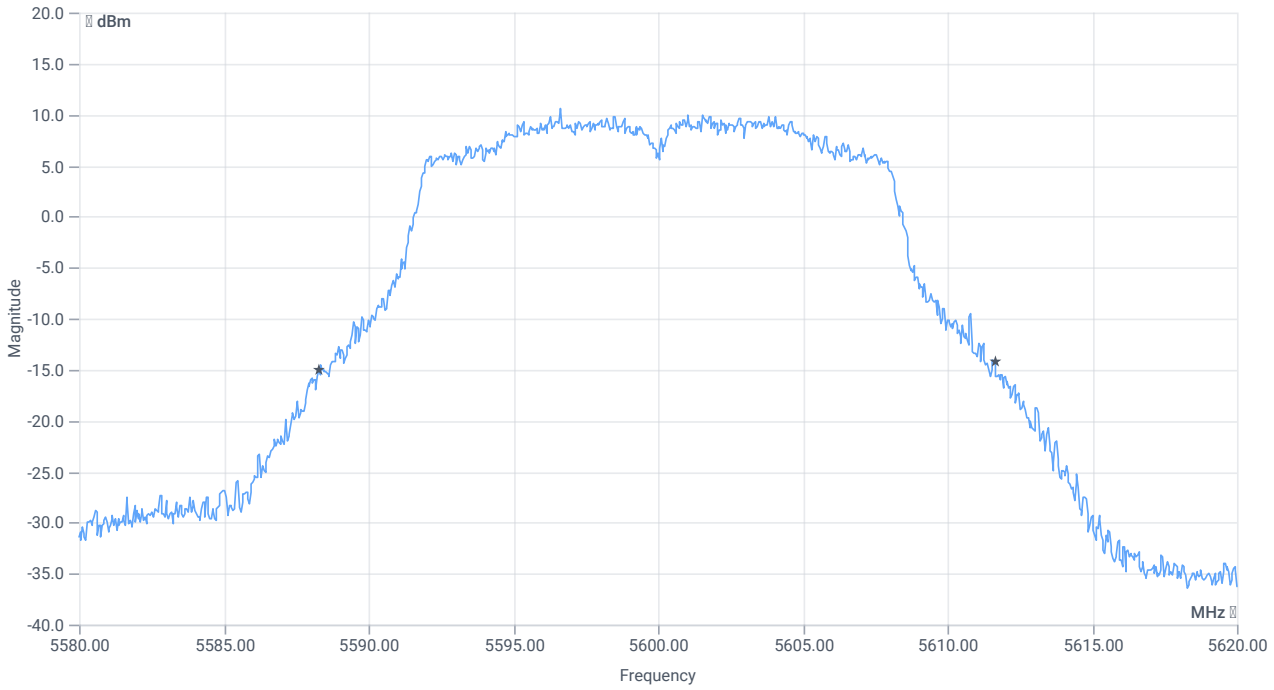
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

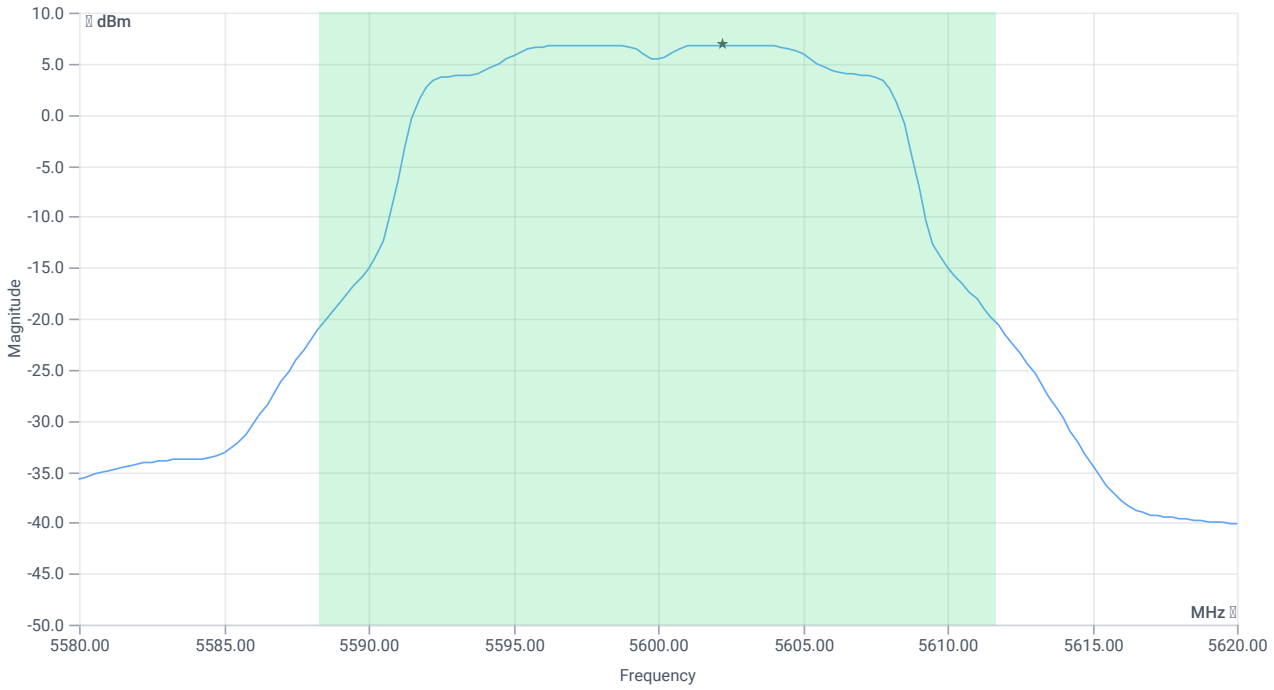
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.36	MHz	INFO
T1 26dB	---	---	5588.2800	MHz	INFO
T2 26dB	---	---	5611.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.56 | 11.62 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.72	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.89	dBm	PASS
LIMIT: 11 dBm + 10 log 23.36					
Max output power DC corrected cond	---	24.68	17.89	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.89	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.84	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	7.01	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:50:45
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5600 MHz

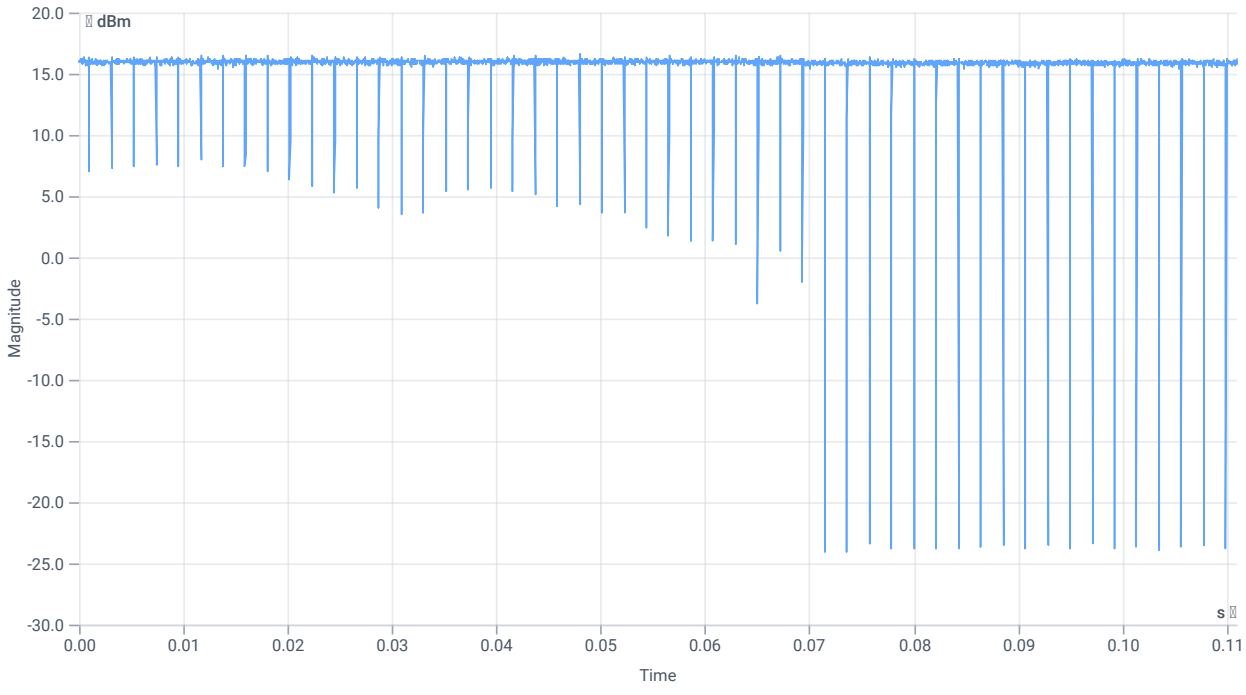
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.64	dBm	INFO
Ref. frequency	---	---	5604.200	MHz	INFO

Evaluation max. duty cycle

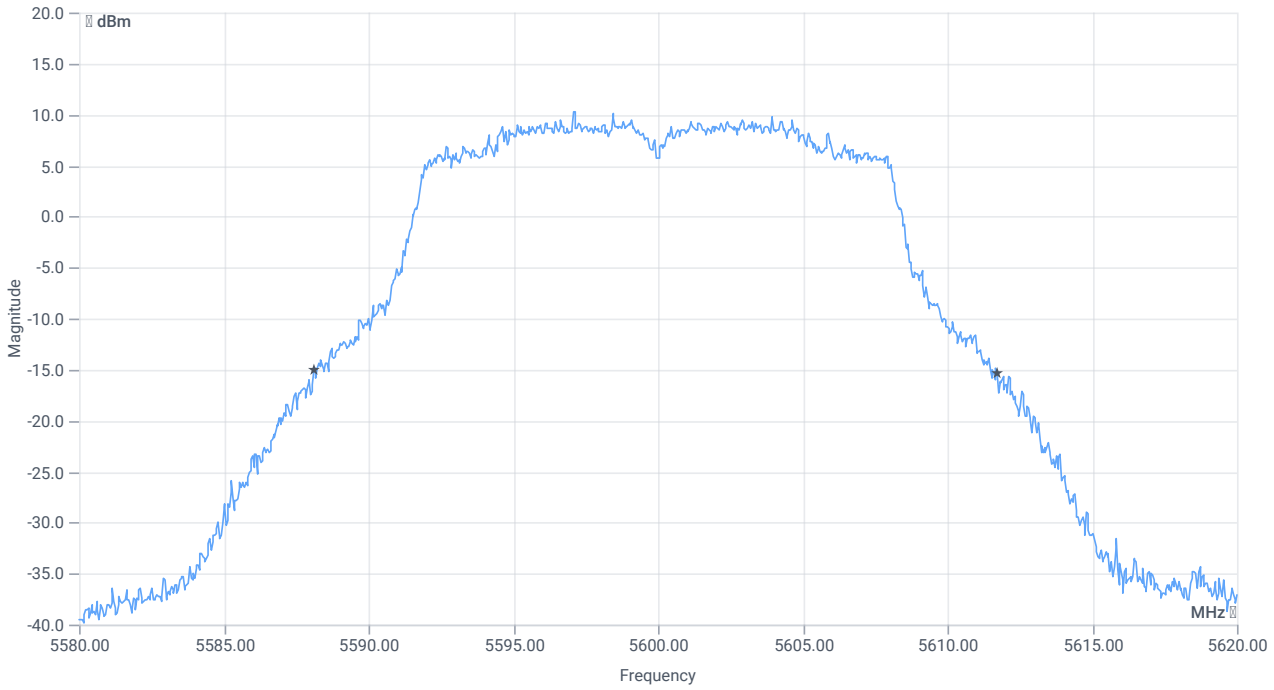
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 42					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

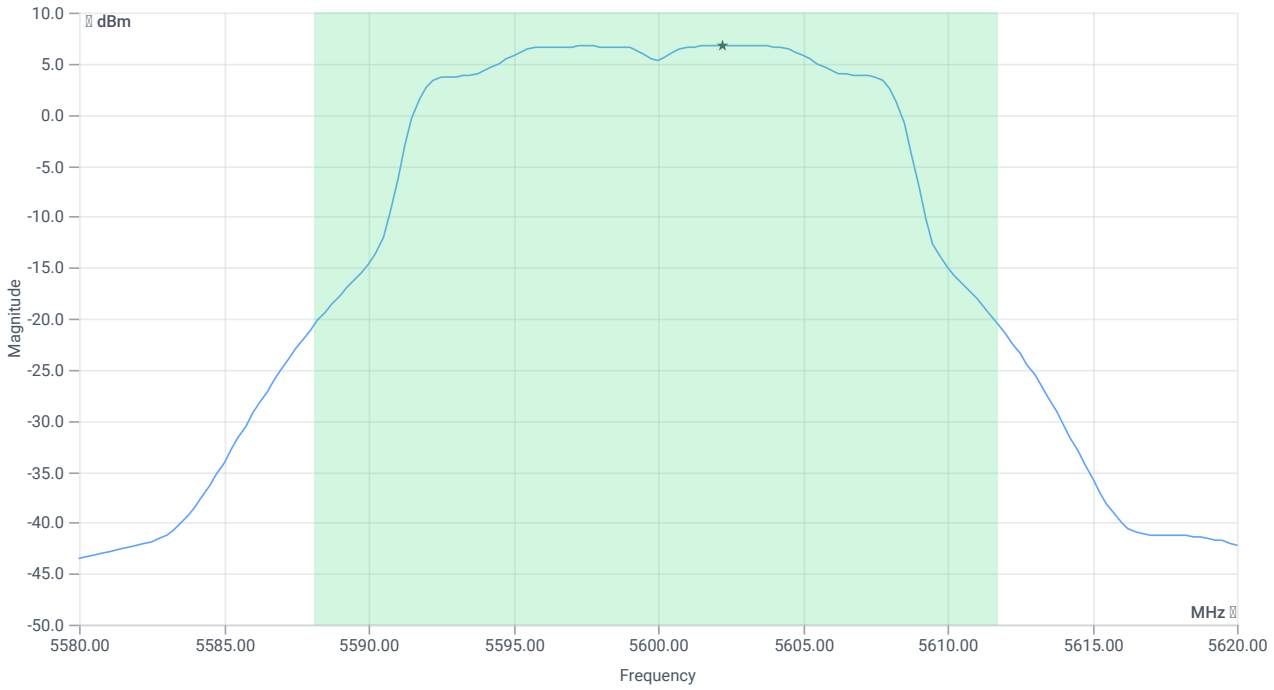
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.6	MHz	INFO
T1 26dB	---	---	5588.1200	MHz	INFO
T2 26dB	---	---	5611.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.64 | 11.67 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.64	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.81	dBm	PASS
LIMIT: 11 dBm + 10 log 23.6					
Max output power DC corrected cond	---	24.73	17.81	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.81	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.71	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.88	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:52:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
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 5700 MHz

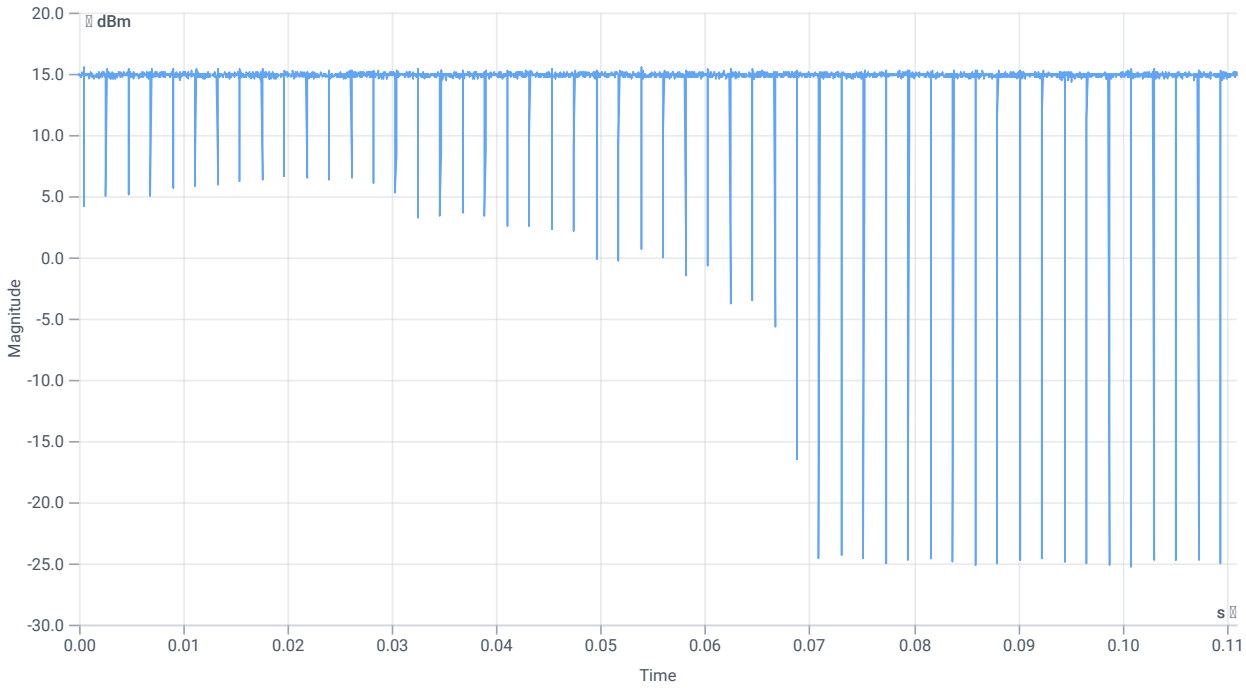
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.46	dBm	INFO
Ref. frequency	---	---	5696.400	MHz	INFO

Evaluation max. duty cycle

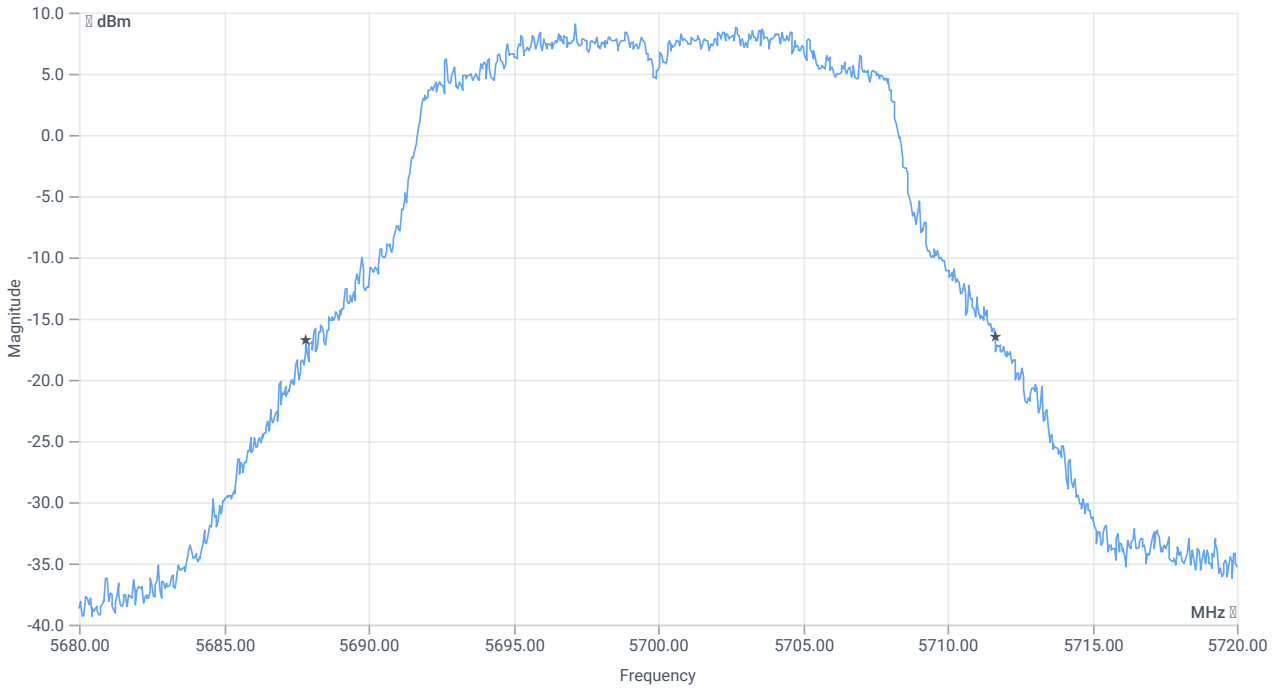
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 41					
Duty cycle (burst Ratio) max	---	---	0.996	---	INFO
Duty cycle max	---	---	0.017	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	23.393	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

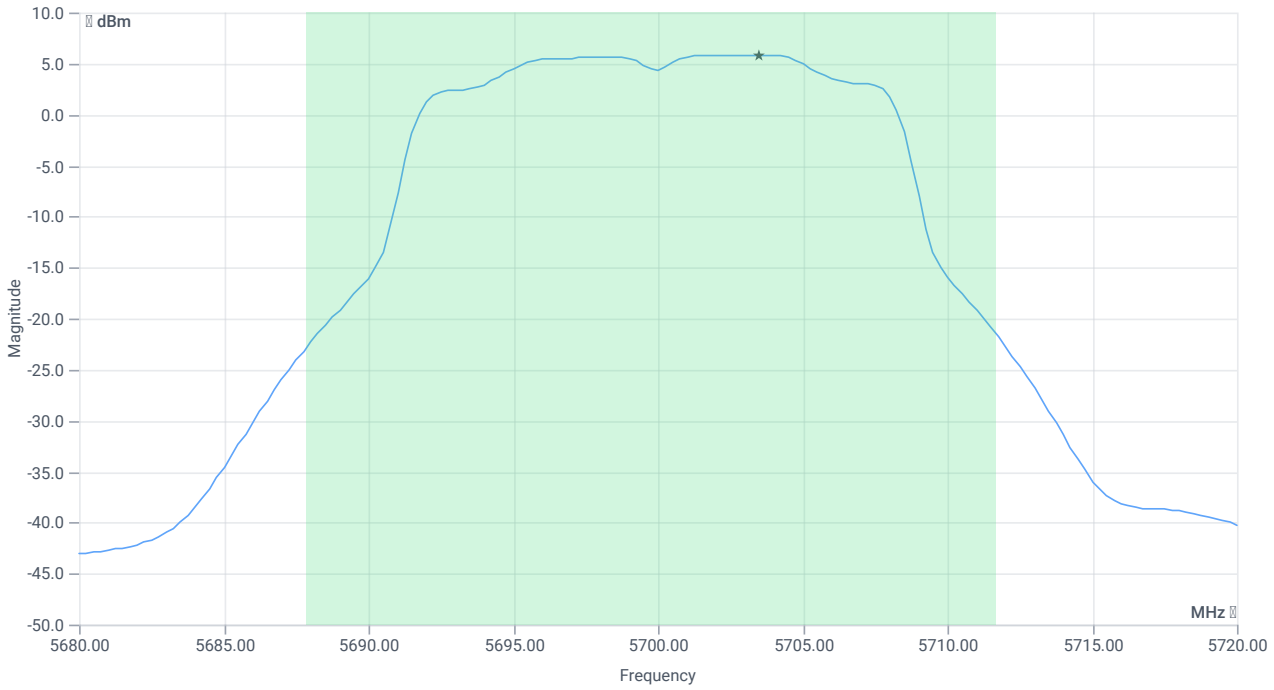
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.8	MHz	INFO
T1 26dB	---	---	5687.8400	MHz	INFO
T2 26dB	---	---	5711.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.46 | 11.52 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.62	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.79	dBm	PASS
LIMIT: 11 dBm + 10 log 23.8					
Max output power DC corrected cond	---	24.77	16.79	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.79	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.86	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.03	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx a mode U-NII-2C

References

TC start	07.05.2026 07:54:30
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5700 MHz

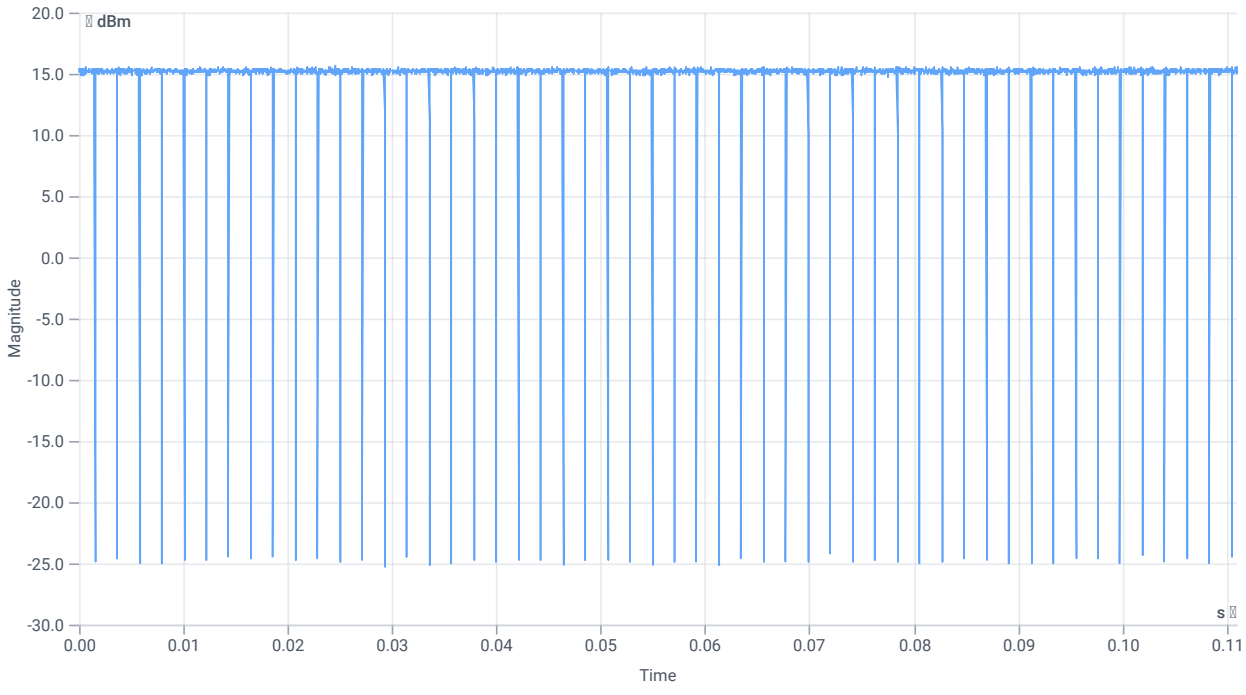
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.61	dBm	INFO
Ref. frequency	---	---	5704.200	MHz	INFO

Evaluation max. duty cycle

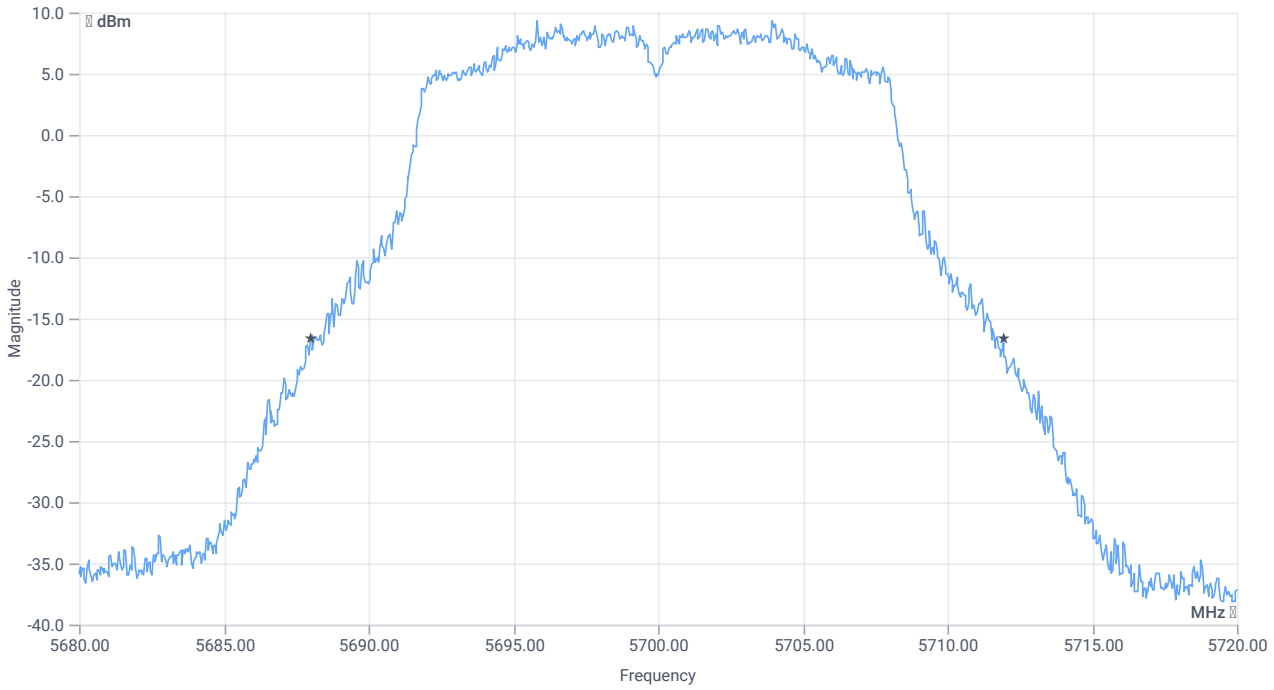
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 51					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.961	---	INFO
Duty cycle min	---	---	0.173	dB	INFO
Max TX burst length	---	---	2.054	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

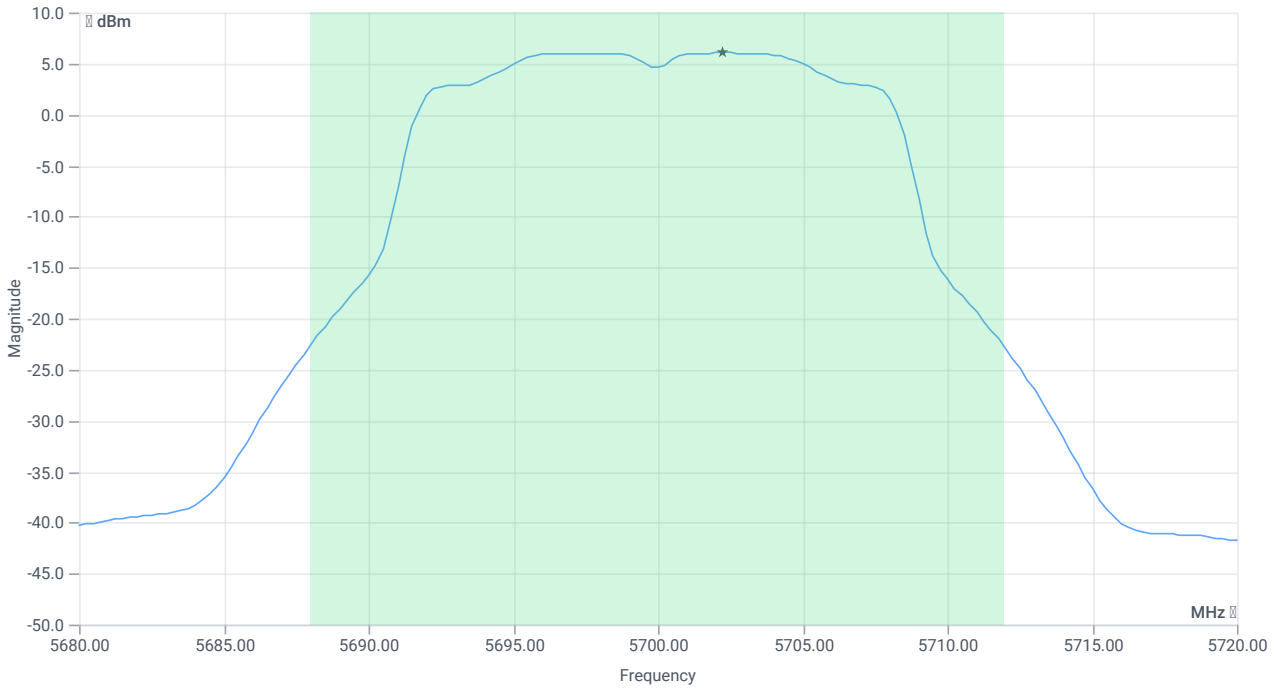
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.92	MHz	INFO
T1 26dB	---	---	5688.0000	MHz	INFO
T2 26dB	---	---	5711.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.61 | 11.54 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.87	dBm	INFO
Duty cycle correction	---	---	0.17	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.04	dBm	PASS
LIMIT: 11 dBm + 10 log 23.92					
Max output power DC corrected cond	---	24.79	17.04	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.04	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.04	dBm/1MHz	INFO
Duty cycle correction	---	---	0.17	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.21	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-1_2A

References

TC start	06.05.2026 12:07:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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 5250 MHz

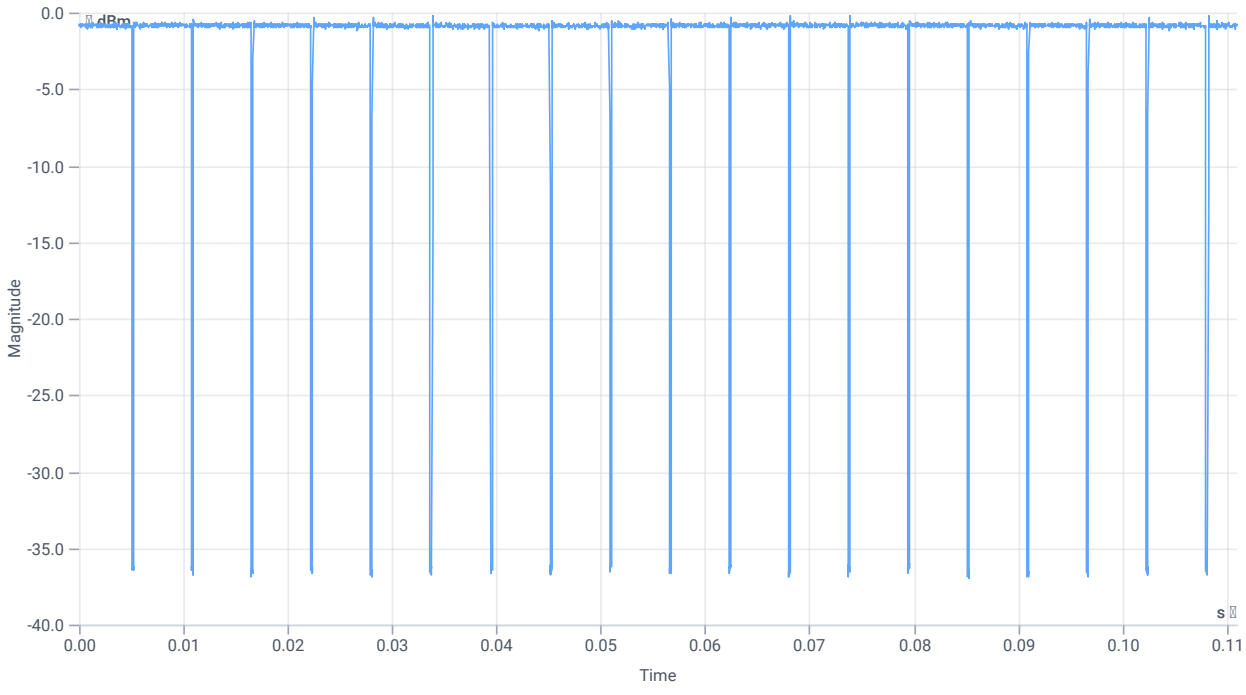
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.55	dBm	INFO
Ref. frequency	---	---	5266.580	MHz	INFO

Evaluation max. duty cycle

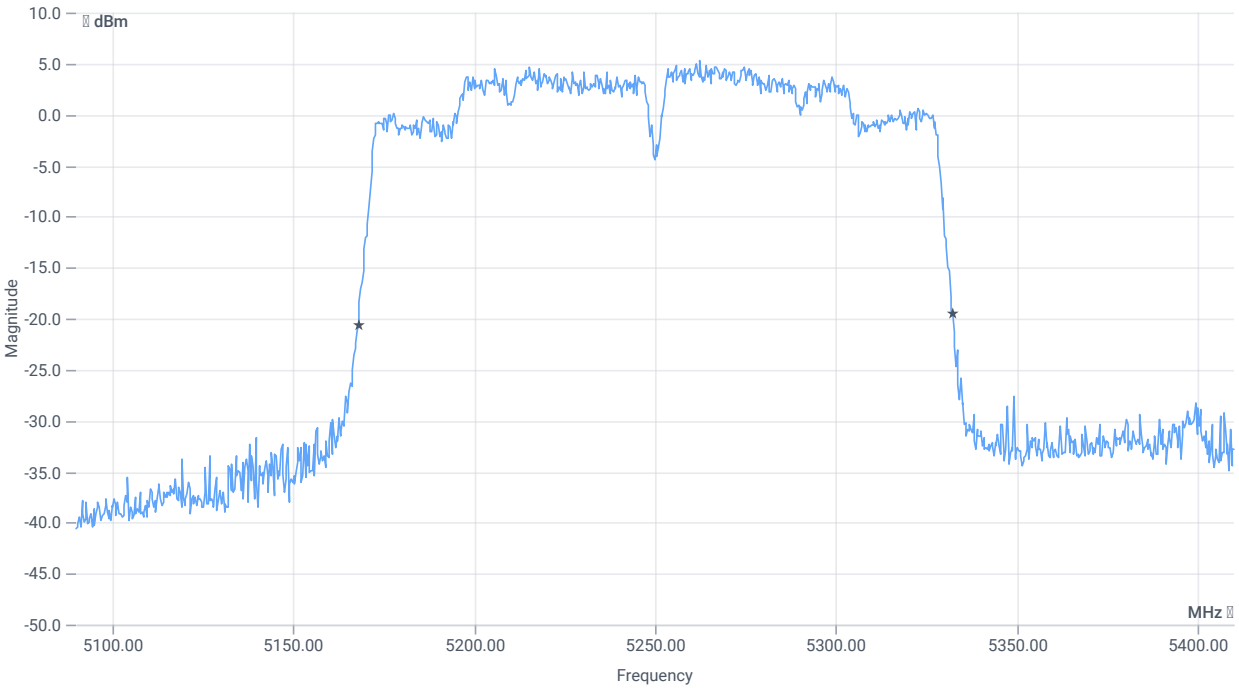
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 18					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.956	---	INFO
Duty cycle min	---	---	0.195	dB	INFO
Max TX burst length	---	---	5.495	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

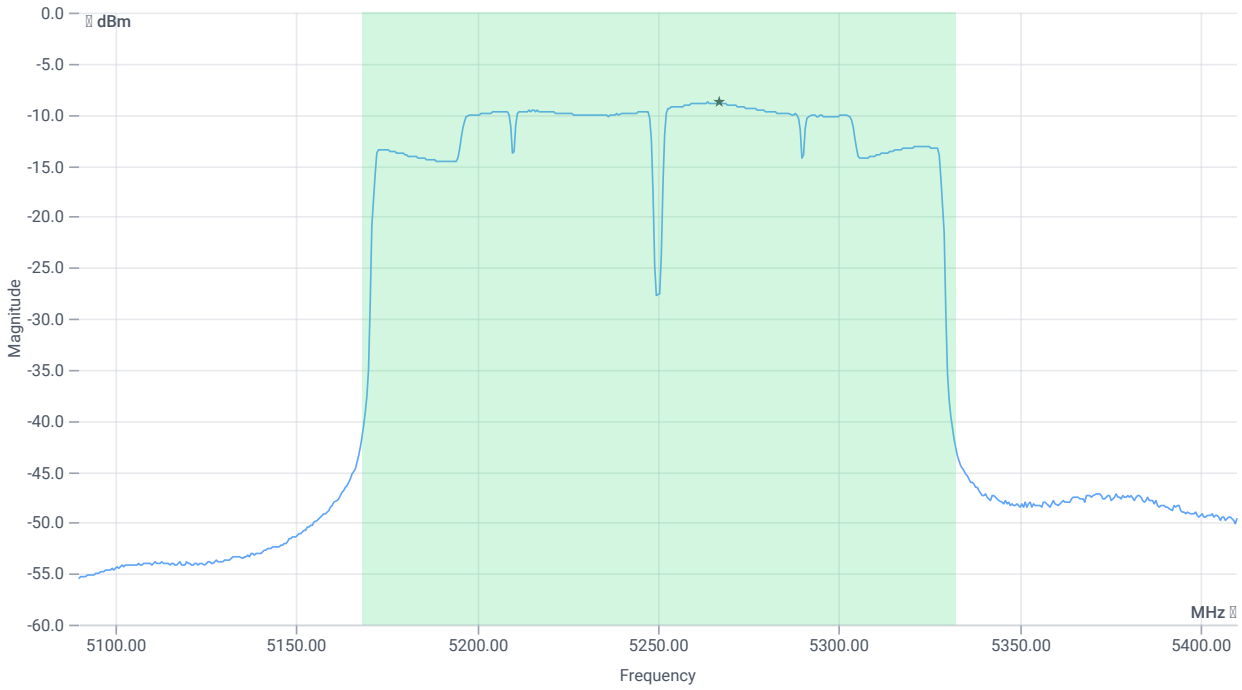
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.16	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.45 | 11.32 | 15
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.88	dBm	INFO
Duty cycle correction	---	---	0.2	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.08	dBm	PASS
LIMIT: 11 dBm + 10 log 164.16					
Max output power DC corrected cond	---	33.15	11.08	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.83	dBm/1MHz	INFO
Duty cycle correction	---	---	0.2	dB	INFO
Power spectral density DC corrected cond	---	11	-8.63	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-1_2A

References

TC start	06.05.2026 12:13:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5250 MHz

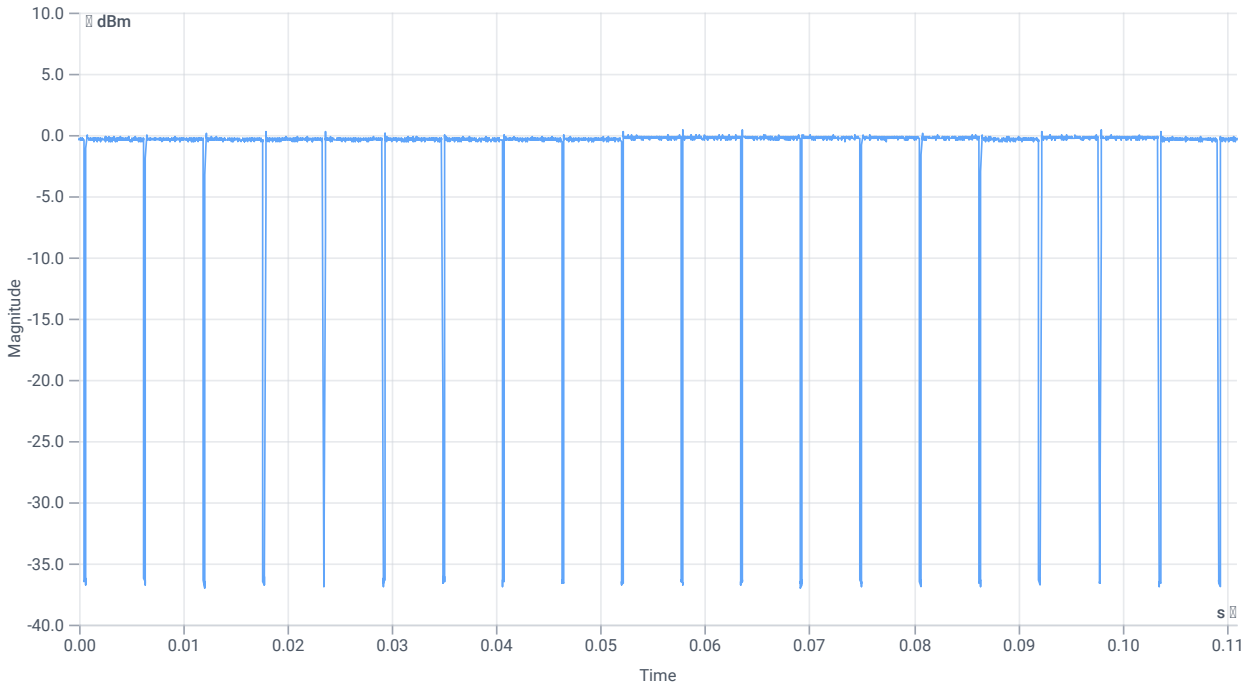
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.54	dBm	INFO
Ref. frequency	---	---	5232.620	MHz	INFO

Evaluation max. duty cycle

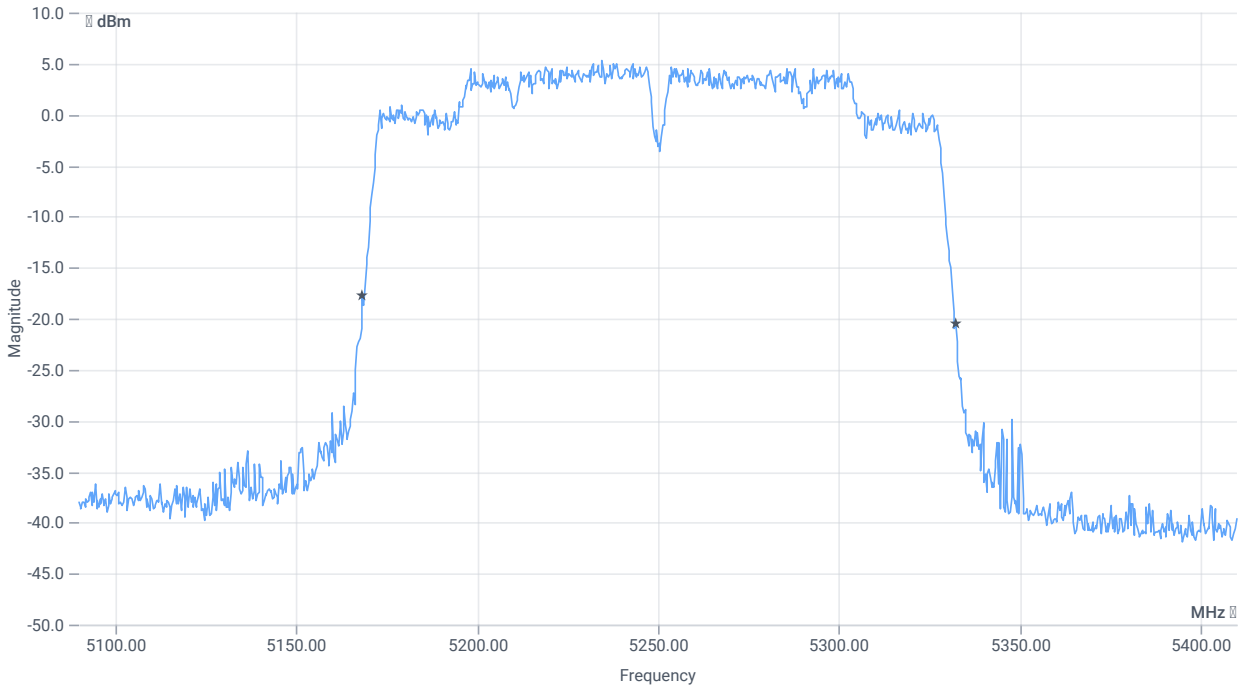
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 19					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.956	---	INFO
Duty cycle min	---	---	0.195	dB	INFO
Max TX burst length	---	---	5.495	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

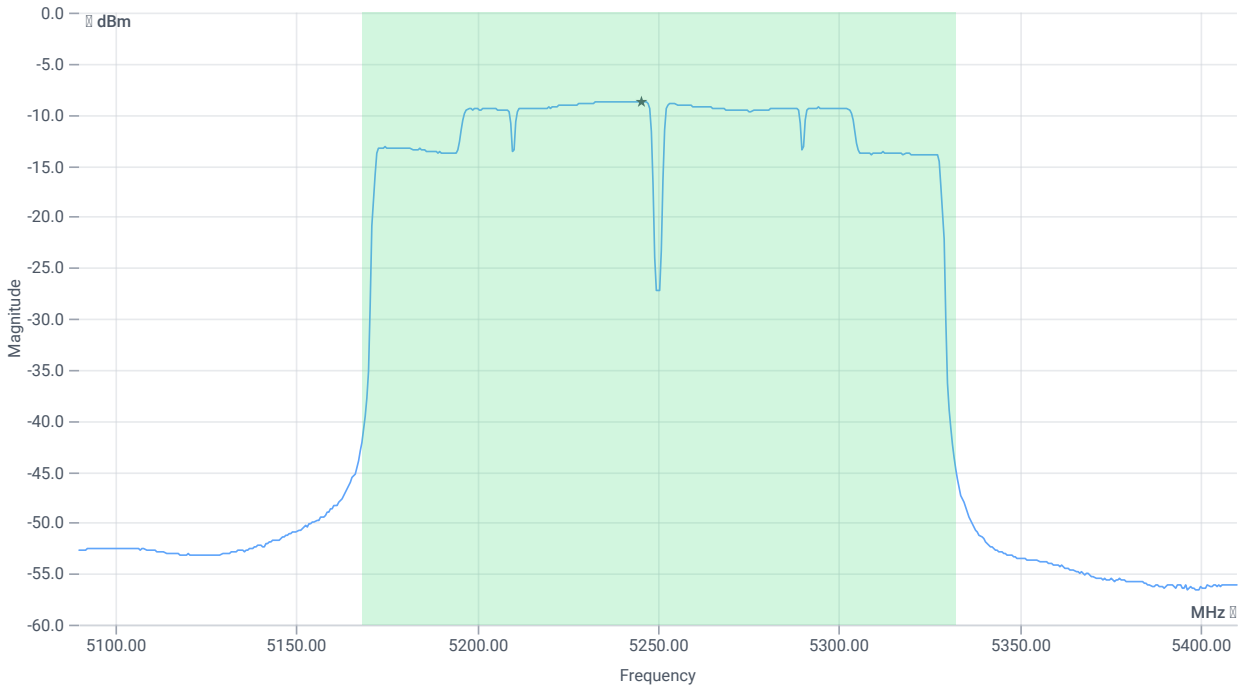
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	163.84	MHz	INFO
T1 26dB	---	---	5168.4000	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.46 | 11.28 | 15
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	11.29	dBm	INFO
Duty cycle correction	---	---	0.2	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.49	dBm	PASS
LIMIT: 11 dBm + 10 log 163.84					
Max output power DC corrected cond	---	33.14	11.49	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.68	dBm/1MHz	INFO
Duty cycle correction	---	---	0.2	dB	INFO
Power spectral density DC corrected cond	---	11	-8.48	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-1_2A

References

TC start	06.05.2026 13:59:08
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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 5250 MHz

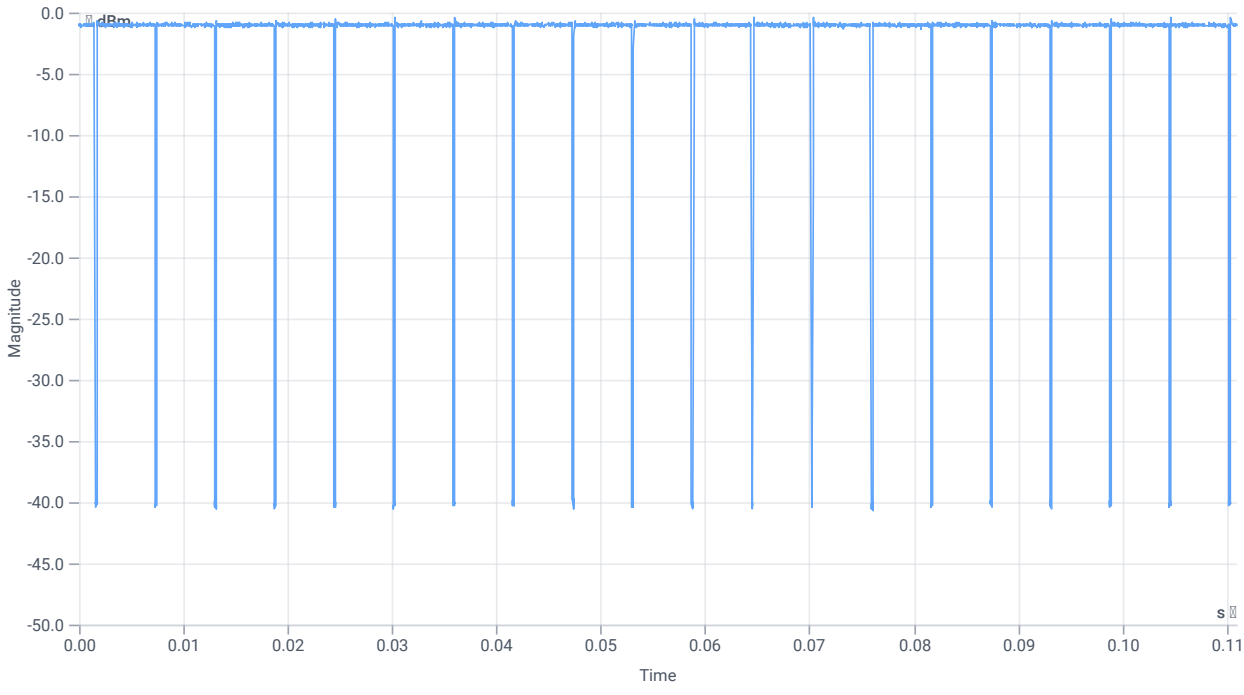
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.96	dBm	INFO
Ref. frequency	---	---	5258.790	MHz	INFO

Evaluation max. duty cycle

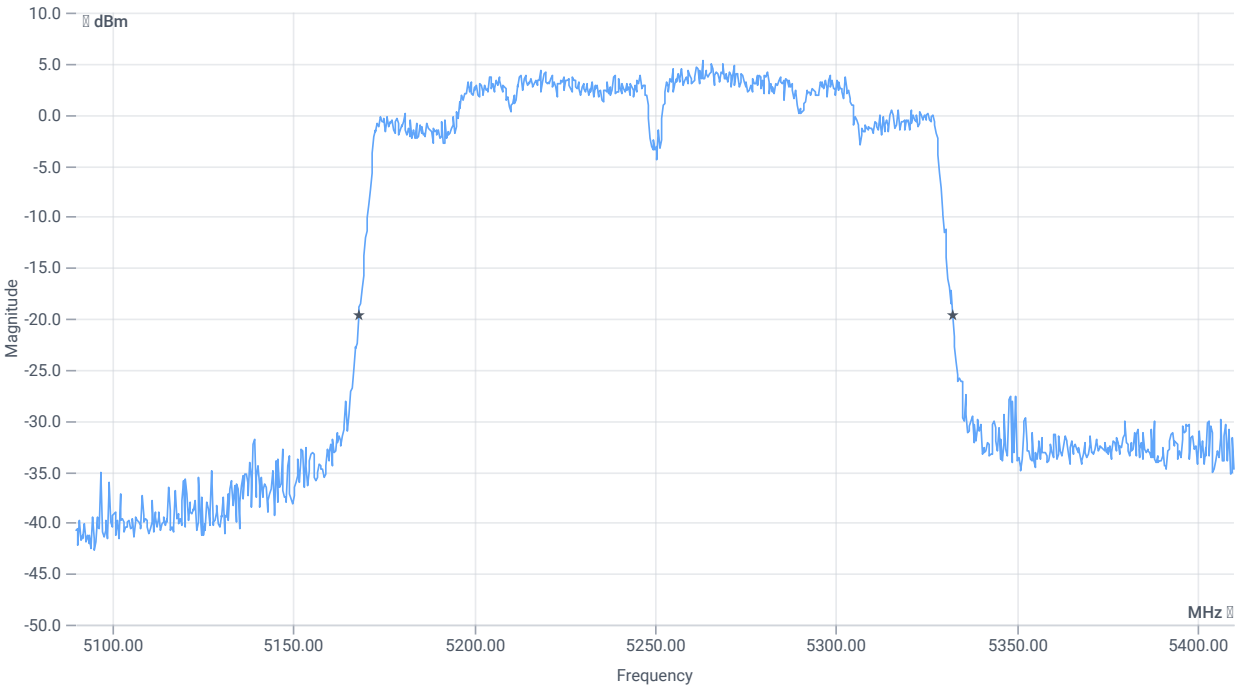
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 19					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.956	---	INFO
Duty cycle min	---	---	0.195	dB	INFO
Max TX burst length	---	---	5.495	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

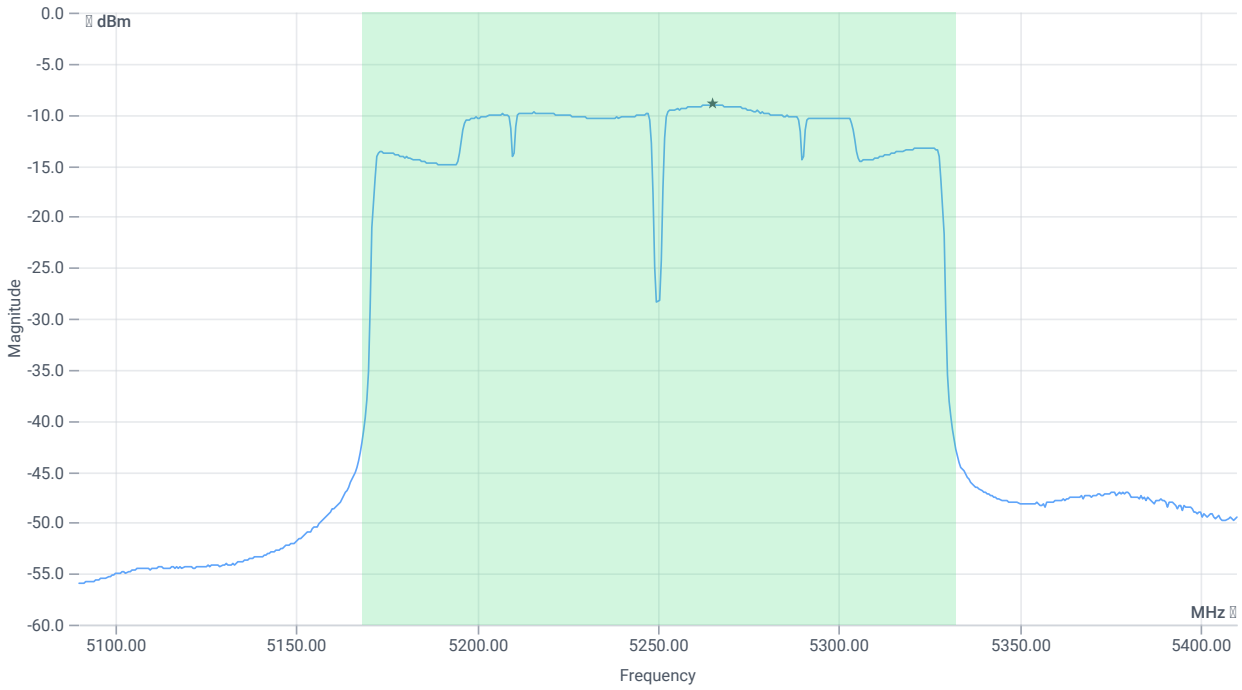
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.16	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.04 | 11.32 | 15
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.65	dBm	INFO
Duty cycle correction	---	---	0.2	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.85	dBm	PASS
LIMIT: 11 dBm + 10 log 164.16					
Max output power DC corrected cond	---	33.15	10.85	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.98	dBm/1MHz	INFO
Duty cycle correction	---	---	0.2	dB	INFO
Power spectral density DC corrected cond	---	11	-8.78	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-1_2A

References

TC start	06.05.2026 14:05:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5250 MHz

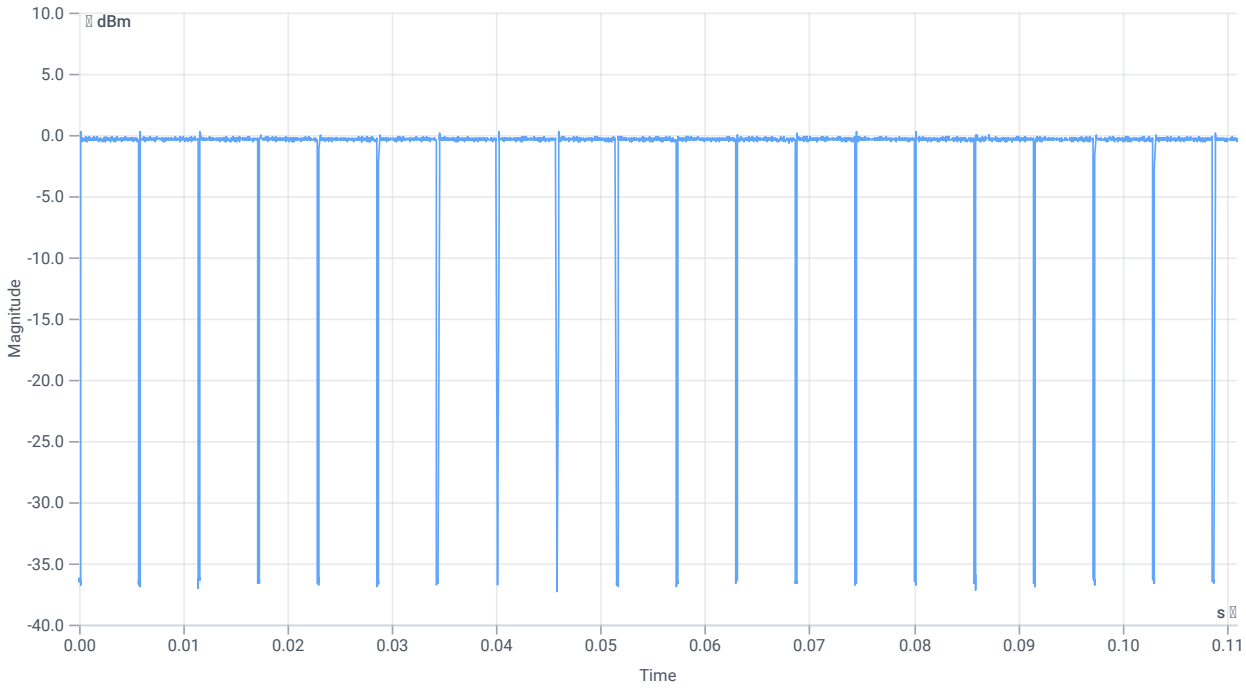
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.48	dBm	INFO
Ref. frequency	---	---	5253.000	MHz	INFO

Evaluation max. duty cycle

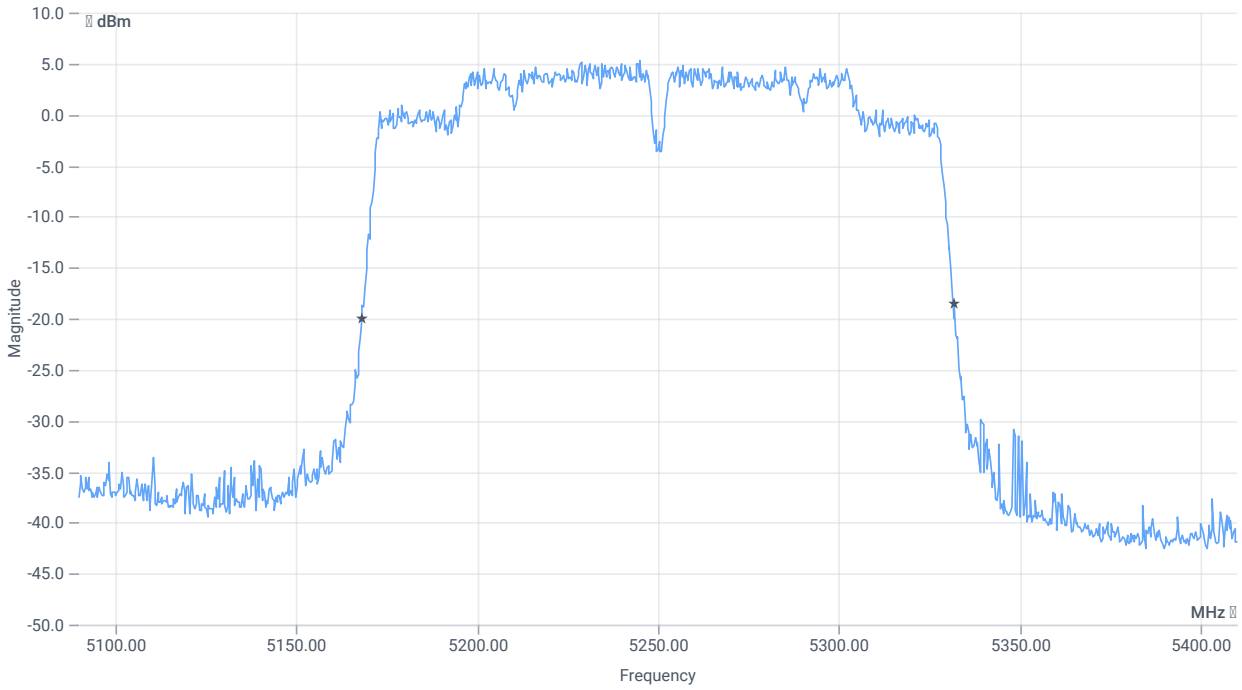
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 18					
Duty cycle (burst Ratio) max	---	---	0.961	---	INFO
Duty cycle max	---	---	0.173	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.956	---	INFO
Duty cycle min	---	---	0.195	dB	INFO
Max TX burst length	---	---	5.495	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

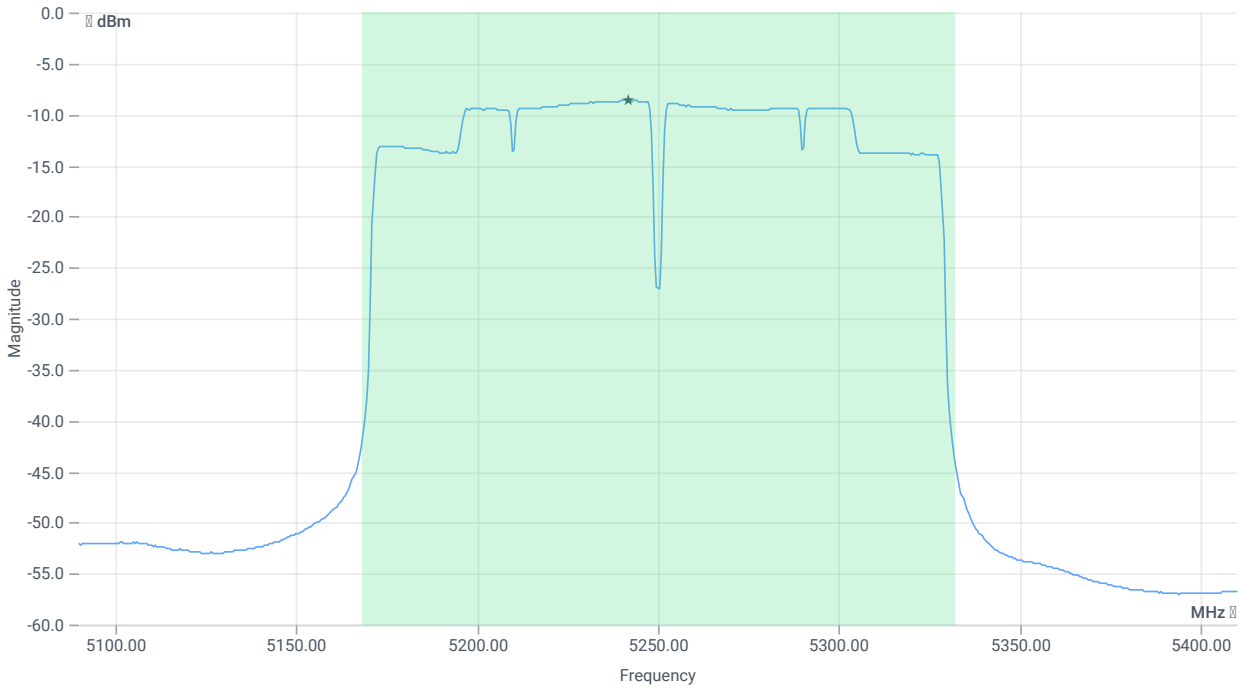
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	163.84	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5331.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.52 | 11.28 | 15
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	11.31	dBm	INFO
Duty cycle correction	---	---	0.2	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.51	dBm	PASS
LIMIT: 11 dBm + 10 log 163.84					
Max output power DC corrected cond	---	33.14	11.51	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.62	dBm/1MHz	INFO
Duty cycle correction	---	---	0.2	dB	INFO
Power spectral density DC corrected cond	---	11	-8.42	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-2C

References

TC start	07.05.2026 08:37:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5570
Frequency high to test	False | Freq [MHz] 0
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 5570 MHz

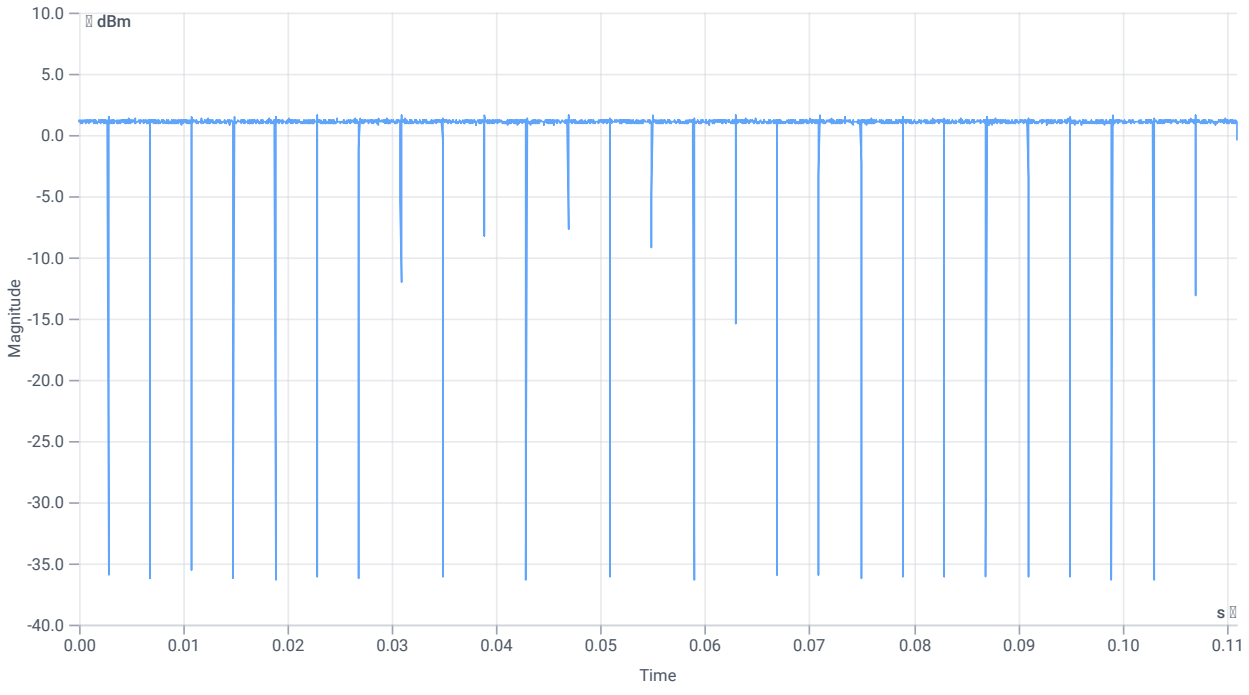
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.54	dBm	INFO
Ref. frequency	---	---	5537.430	MHz	INFO

Evaluation max. duty cycle

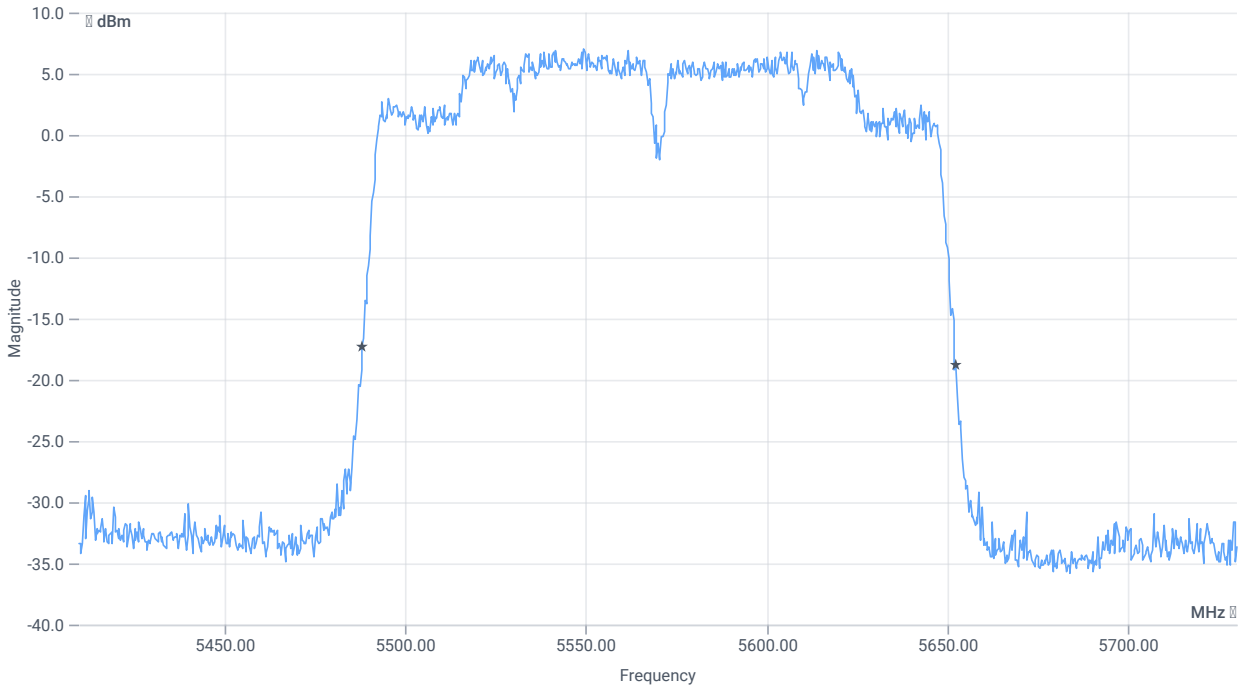
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 24					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.936	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

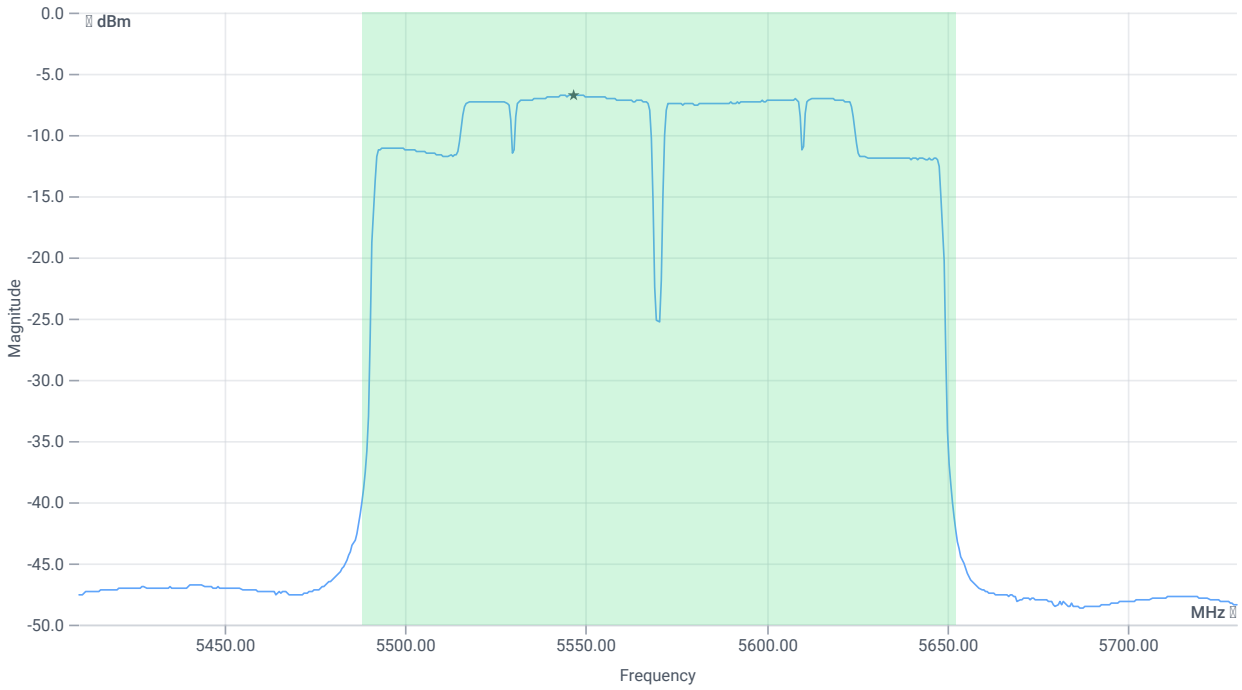
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	163.84	MHz	INFO
T1 26dB	---	---	5488.4000	MHz	INFO
T2 26dB	---	---	5652.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.54 | 11.41 | 20
Start [MHz] | Stop [MHz]	5410.000 | 5730.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.35	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.44	dBm	PASS
LIMIT: 11 dBm + 10 log 163.84					
Max output power DC corrected cond	---	33.14	13.44	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.44	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-6.77	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-6.68	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT160 mode U-NII-2C

References

TC start	07.05.2026 08:42:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT160 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT160 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5570
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5570 MHz

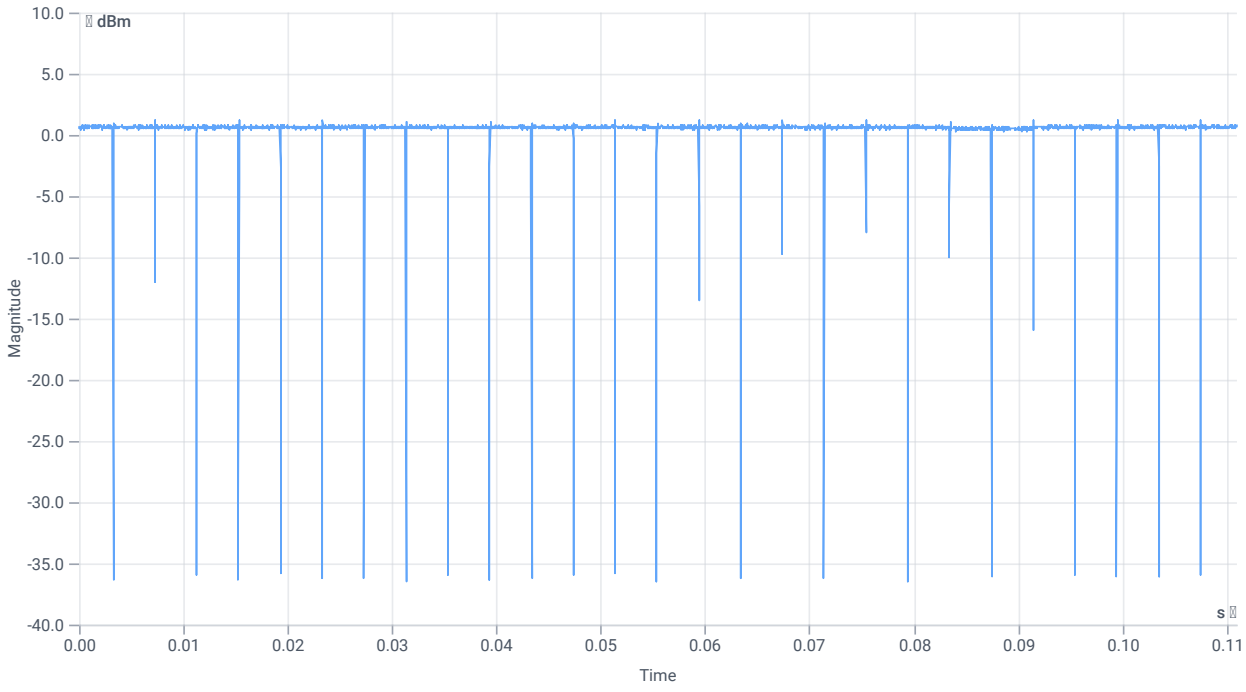
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	0.90	dBm	INFO
Ref. frequency	---	---	5614.160	MHz	INFO

Evaluation max. duty cycle

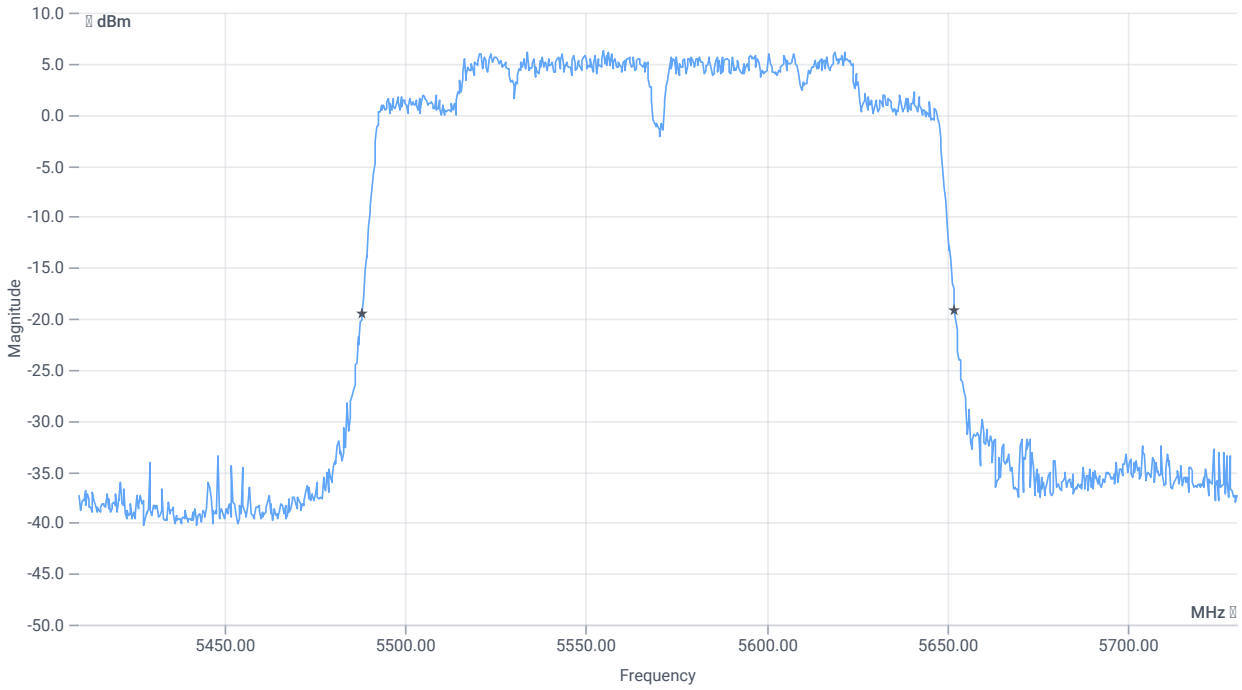
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.936	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

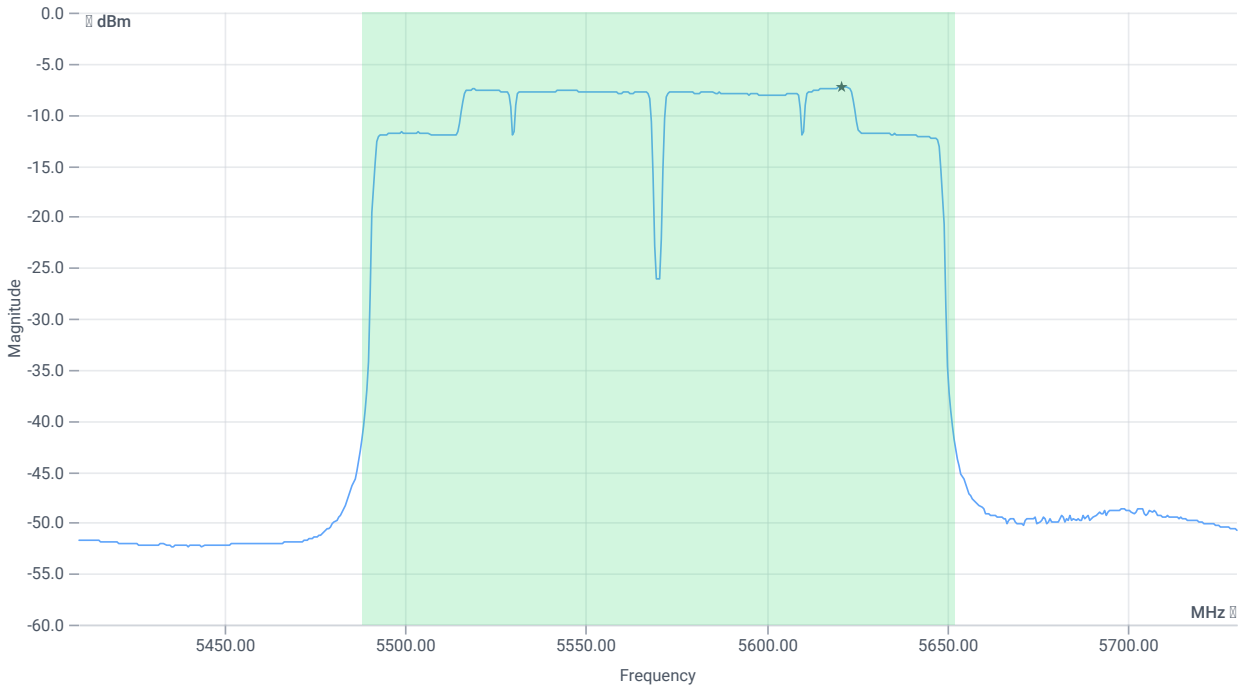
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	163.52	MHz	INFO
T1 26dB	---	---	5488.4000	MHz	INFO
T2 26dB	---	---	5651.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.90 | 11.39 | 20
Start [MHz] | Stop [MHz]	5410.000 | 5730.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	12.79	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.88	dBm	PASS
LIMIT: 11 dBm + 10 log 163.52					
Max output power DC corrected cond	---	33.14	12.88	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	12.88	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-7.32	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-7.23	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-1

References

TC start	06.05.2026 11:50:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
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 5210 MHz

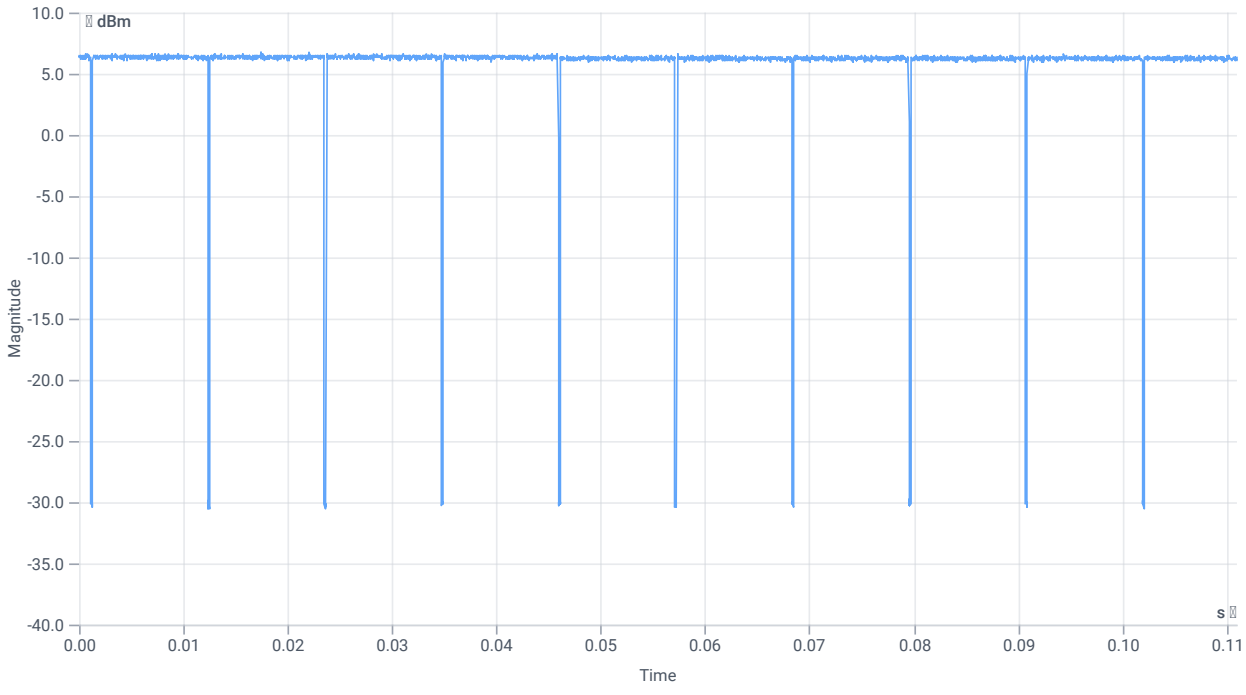
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.92	dBm	INFO
Ref. frequency	---	---	5217.990	MHz	INFO

Evaluation max. duty cycle

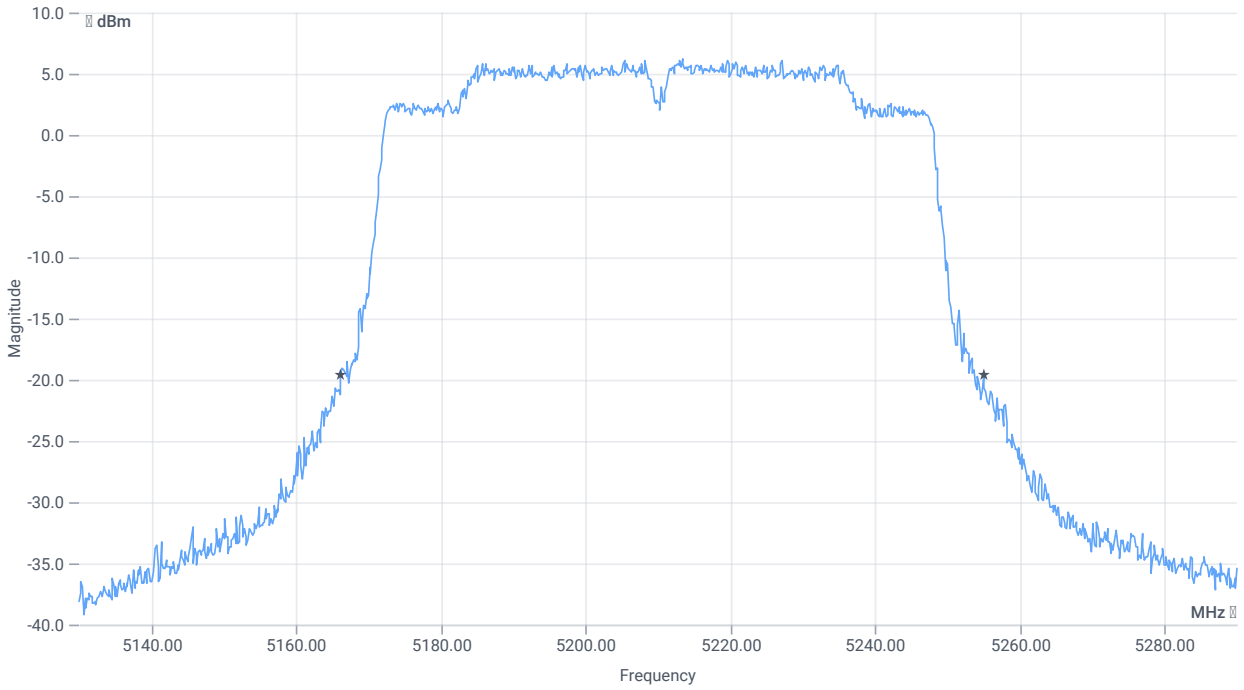
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 9					
Duty cycle (burst Ratio) max	---	---	0.98	---	INFO
Duty cycle max	---	---	0.088	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.978	---	INFO
Duty cycle min	---	---	0.097	dB	INFO
Max TX burst length	---	---	10.989	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

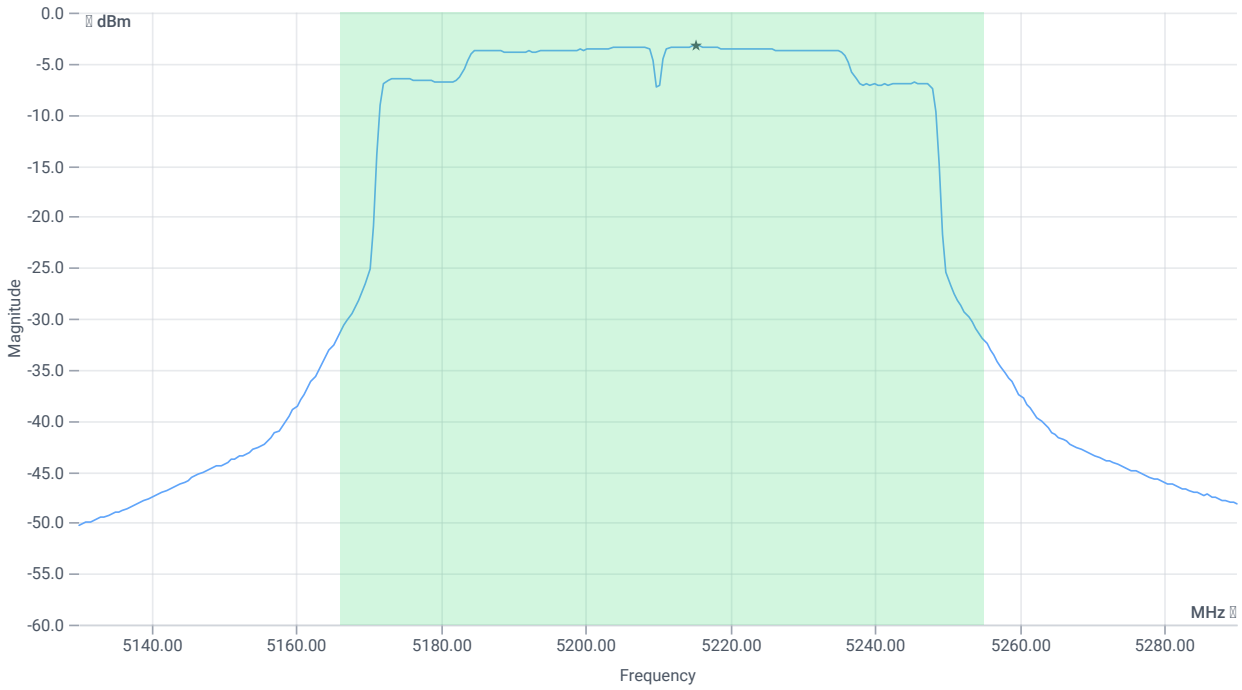
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	88.8	MHz	INFO
T1 26dB	---	---	5166.1600	MHz	INFO
T2 26dB	---	---	5254.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.92 | 11.52 | 20
Start [MHz] | Stop [MHz]	5130.000 | 5290.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.13	dBm	INFO
Duty cycle correction	---	---	0.1	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.23	dBm	PASS
LIMIT: 11 dBm + 10 log 88.8					
Max output power DC corrected cond	---	30.48	14.23	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.29	dBm/1MHz	INFO
Duty cycle correction	---	---	0.1	dB	INFO
Power spectral density DC corrected cond	---	11	-3.19	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-1

References

TC start	06.05.2026 11:53:22
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5210 MHz

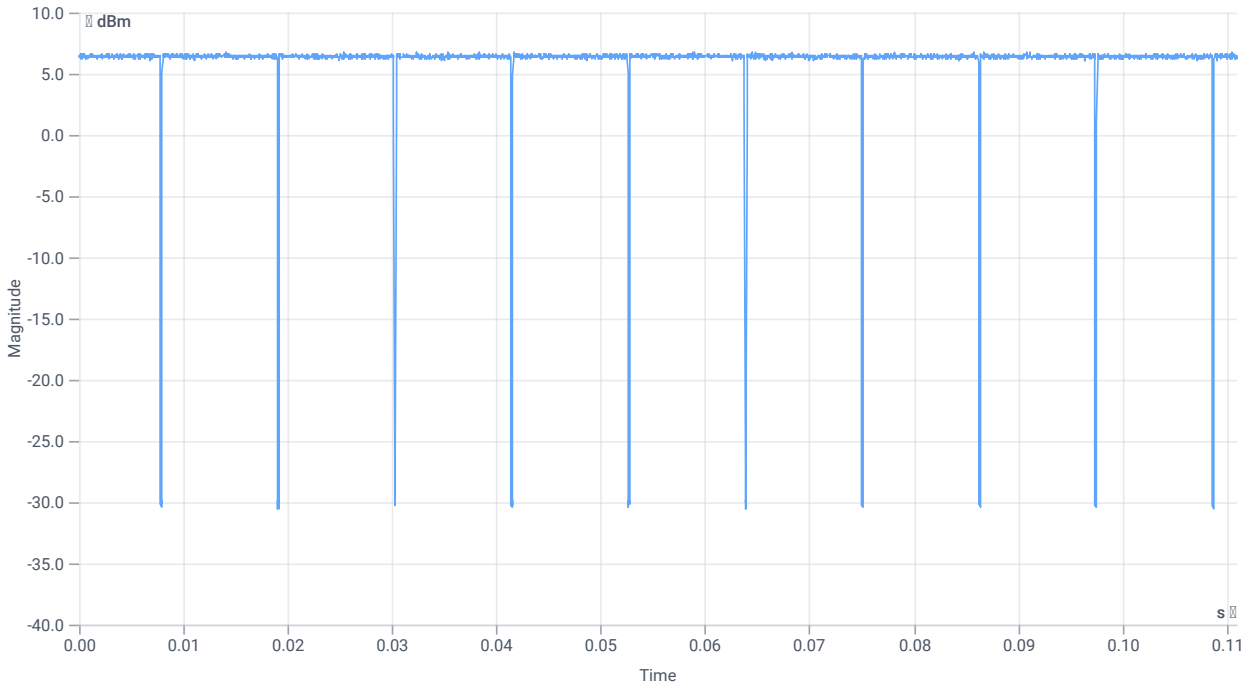
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.72	dBm	INFO
Ref. frequency	---	---	5234.380	MHz	INFO

Evaluation max. duty cycle

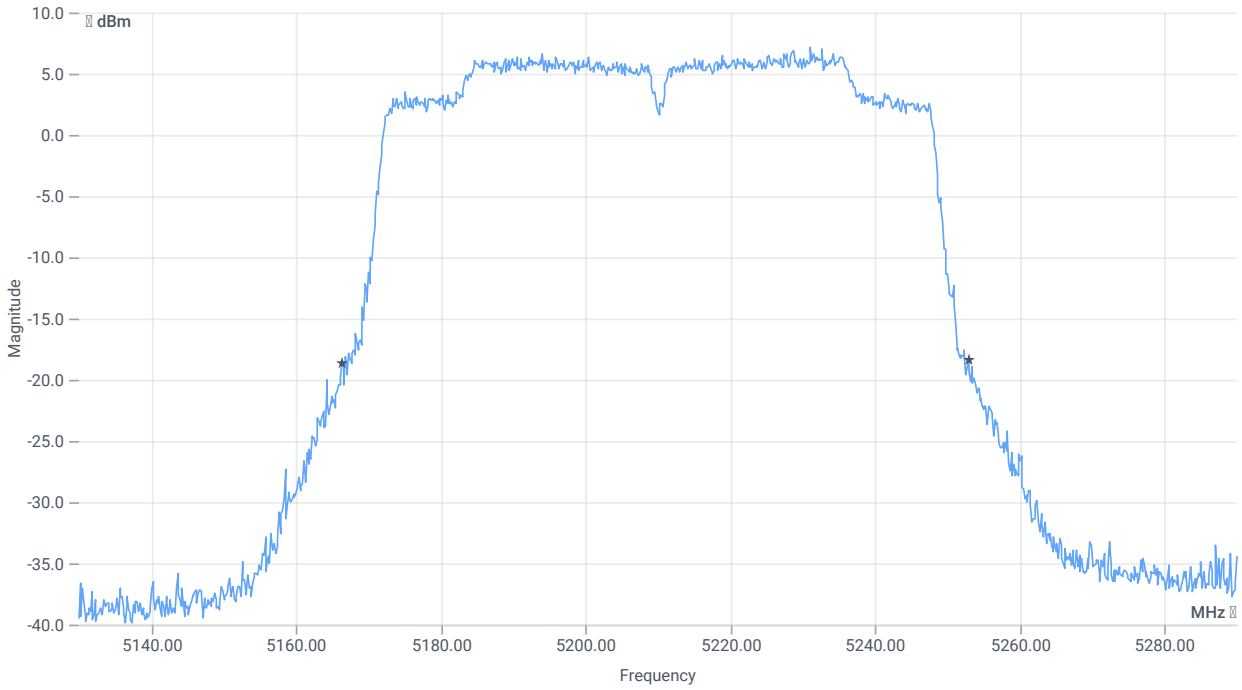
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 9					
Duty cycle (burst Ratio) max	---	---	0.98	---	INFO
Duty cycle max	---	---	0.088	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.978	---	INFO
Duty cycle min	---	---	0.097	dB	INFO
Max TX burst length	---	---	10.989	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

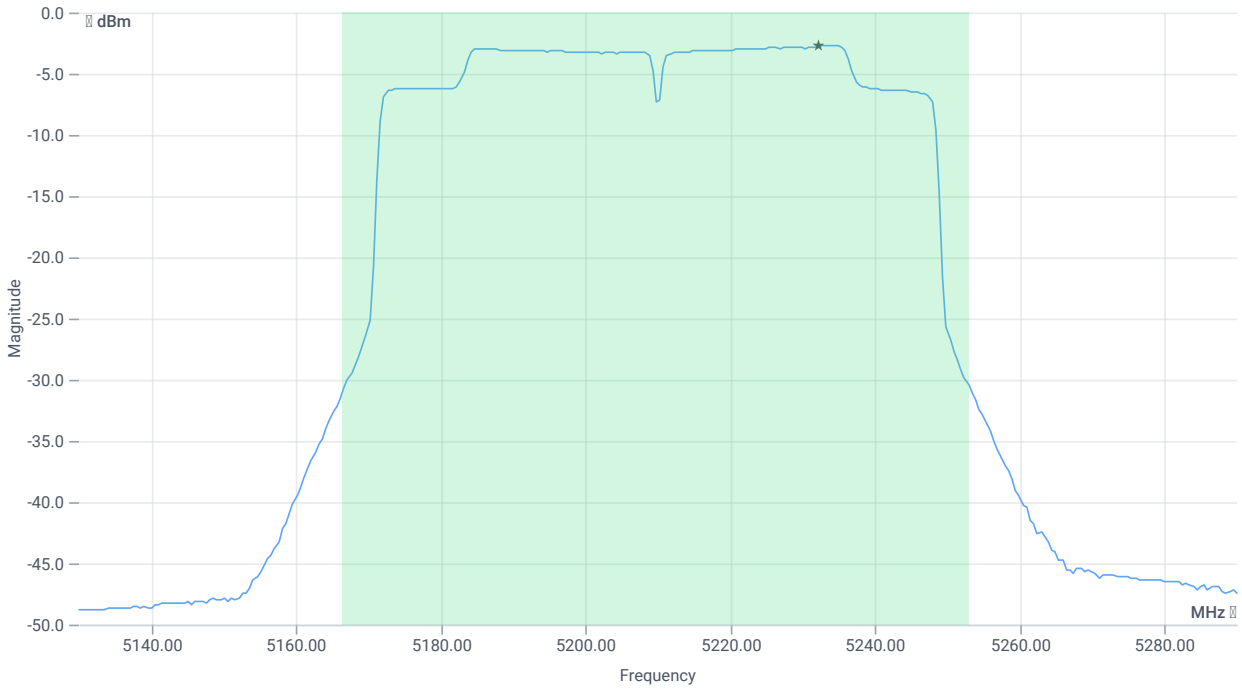
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	86.56	MHz	INFO
T1 26dB	---	---	5166.3200	MHz	INFO
T2 26dB	---	---	5252.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.72 | 11.52 | 25
Start [MHz] | Stop [MHz]	5130.000 | 5290.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.67	dBm	INFO
Duty cycle correction	---	---	0.1	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.77	dBm	PASS
LIMIT: 11 dBm + 10 log 86.56					
Max output power DC corrected cond	---	30.37	14.77	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.73	dBm/1MHz	INFO
Duty cycle correction	---	---	0.1	dB	INFO
Power spectral density DC corrected cond	---	11	-2.63	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-3

References

TC start	07.05.2026 15:05:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
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 5775 MHz

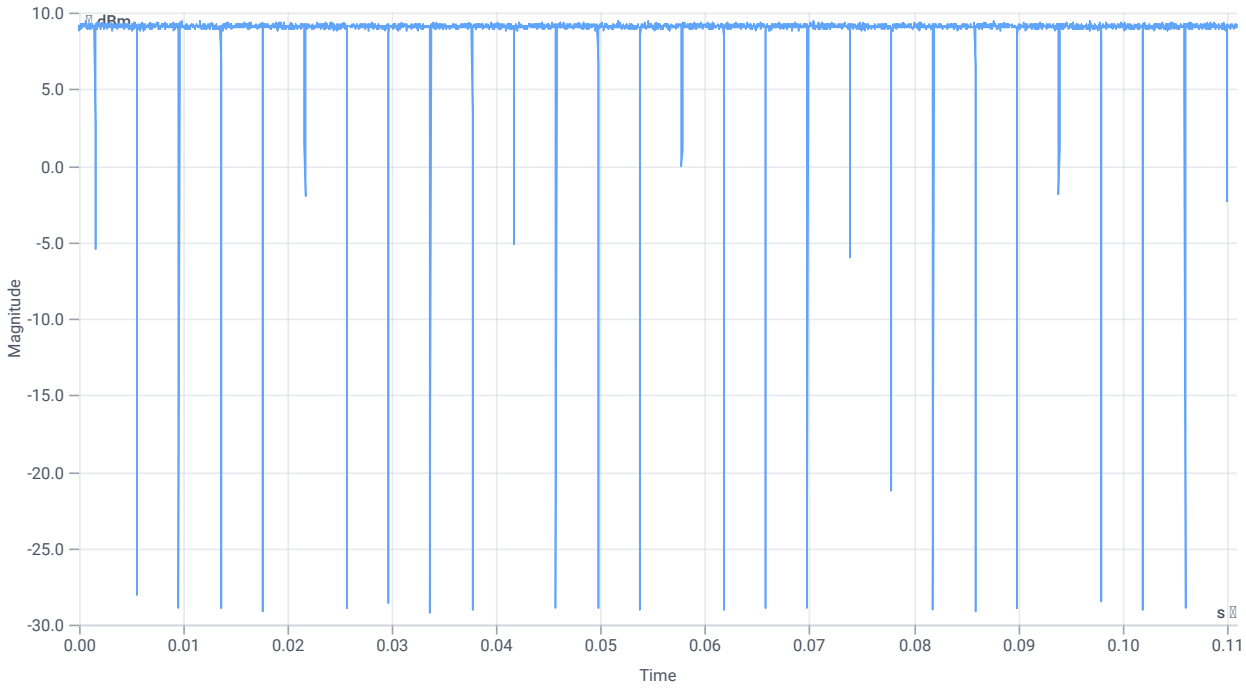
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.26	dBm	INFO
Ref. frequency	---	---	5778.000	MHz	INFO

Evaluation max. duty cycle

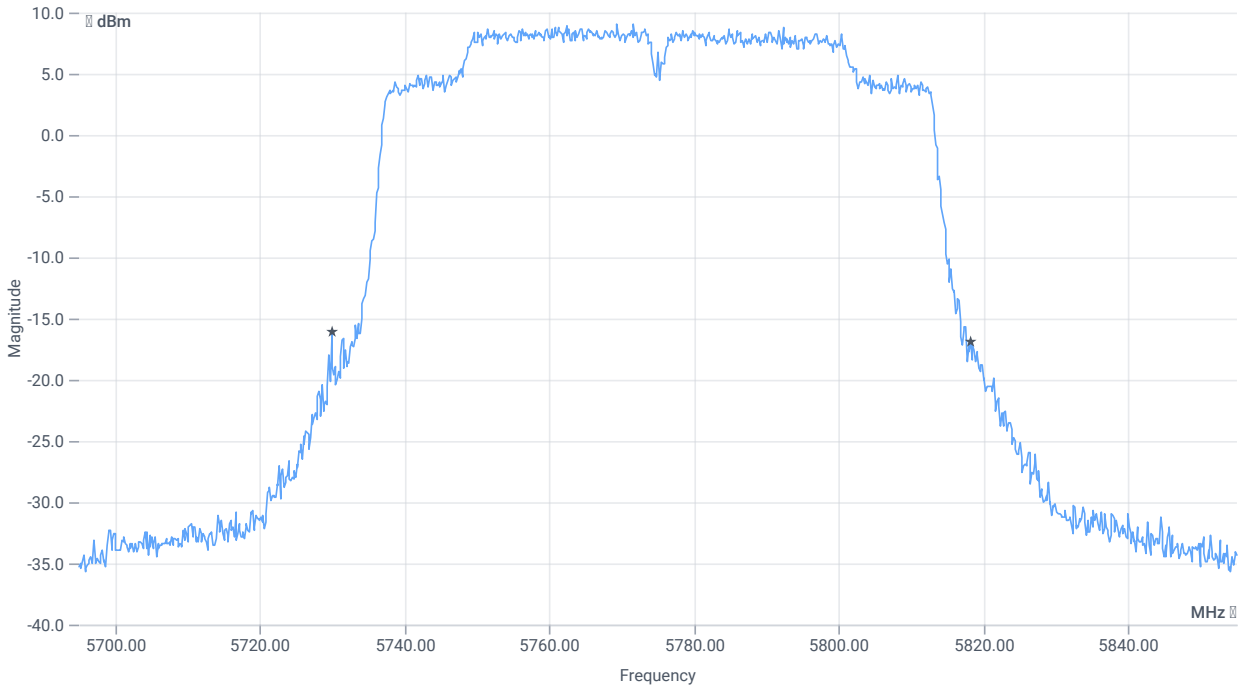
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.936	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

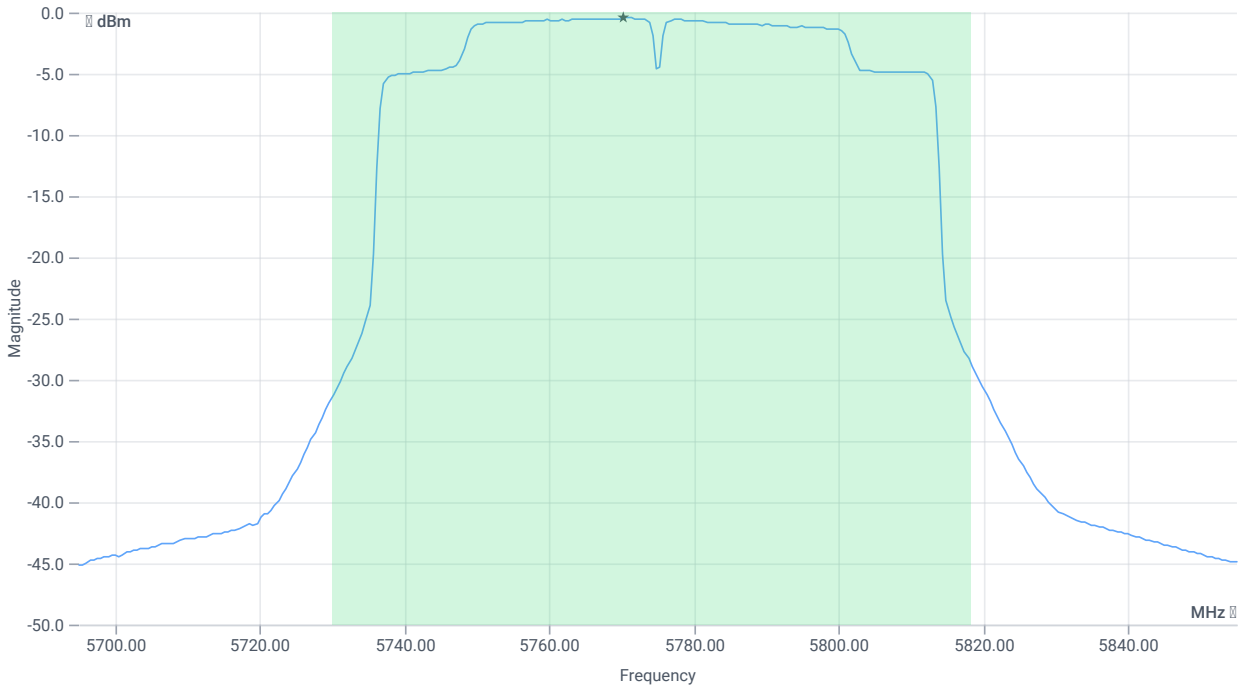
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	88.32	MHz	INFO
T1 26dB	---	---	5729.8800	MHz	INFO
T2 26dB	---	---	5818.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.26 | 11.37 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

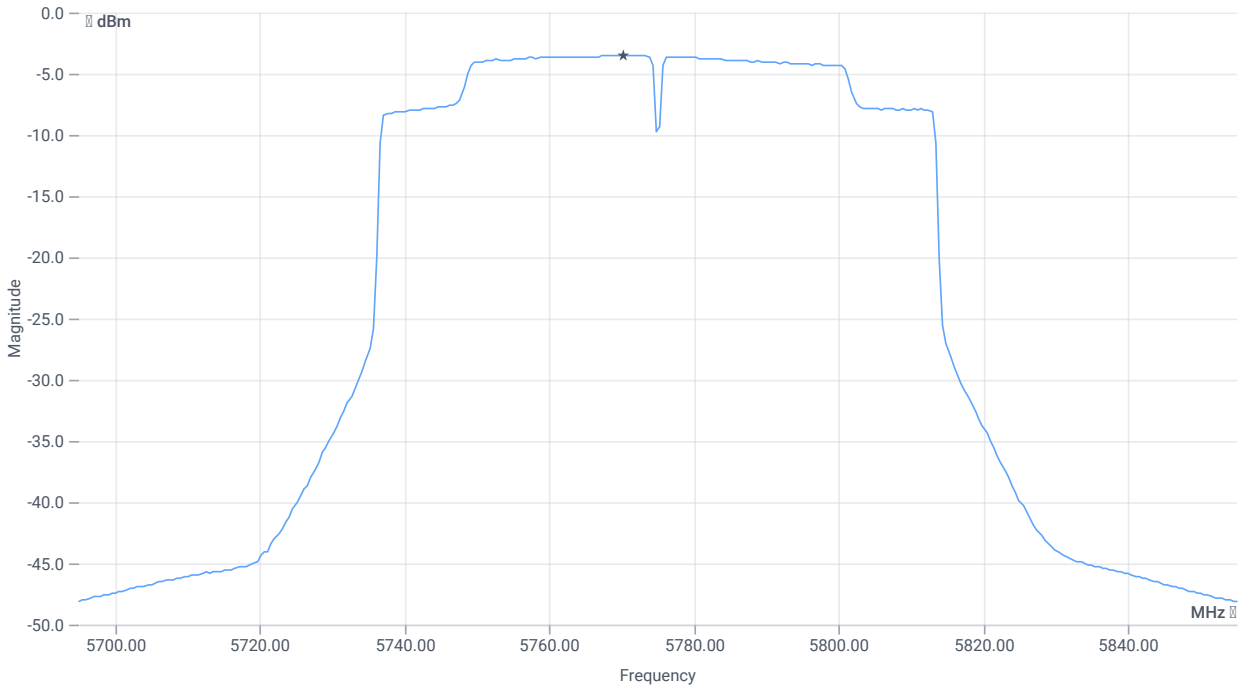
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.8	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	16.89	dBm	PASS
LIMIT: 11 dBm + 10 log 88.32					
Max output power DC corrected cond	---	30.46	16.89	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.26 | 11.37 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.5	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-3.41	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-3

References

TC start	07.05.2026 15:10:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5775 MHz

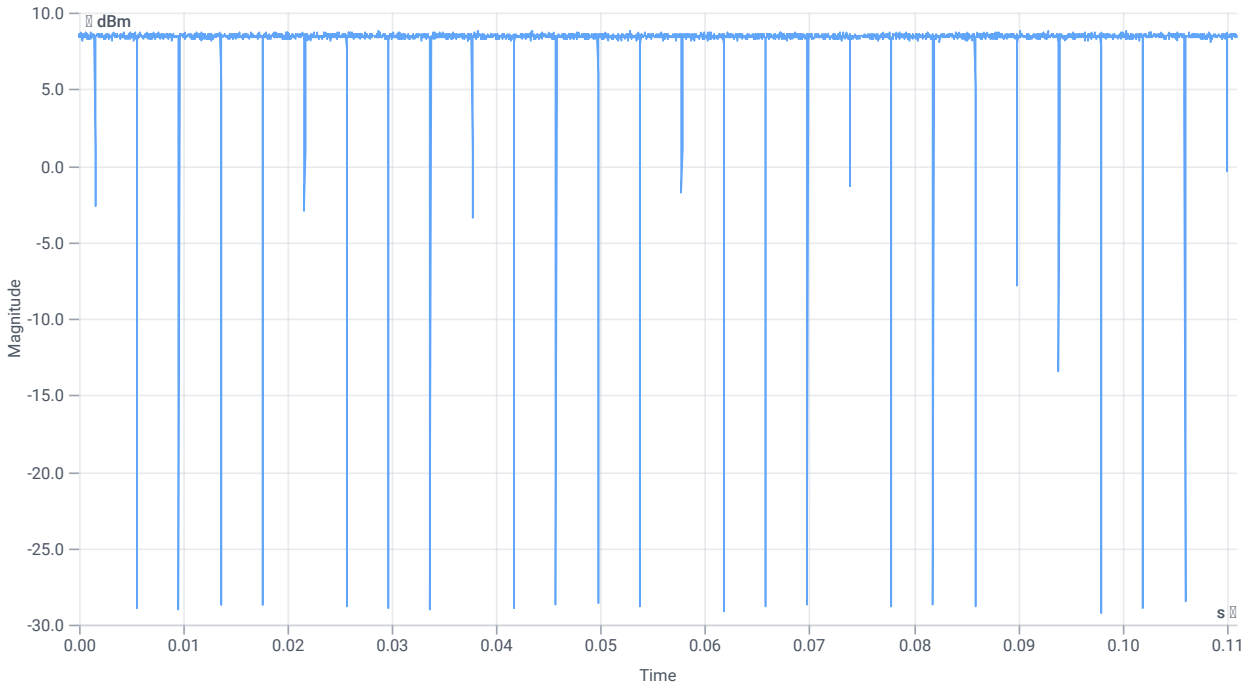
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.63	dBm	INFO
Ref. frequency	---	---	5750.820	MHz	INFO

Evaluation max. duty cycle

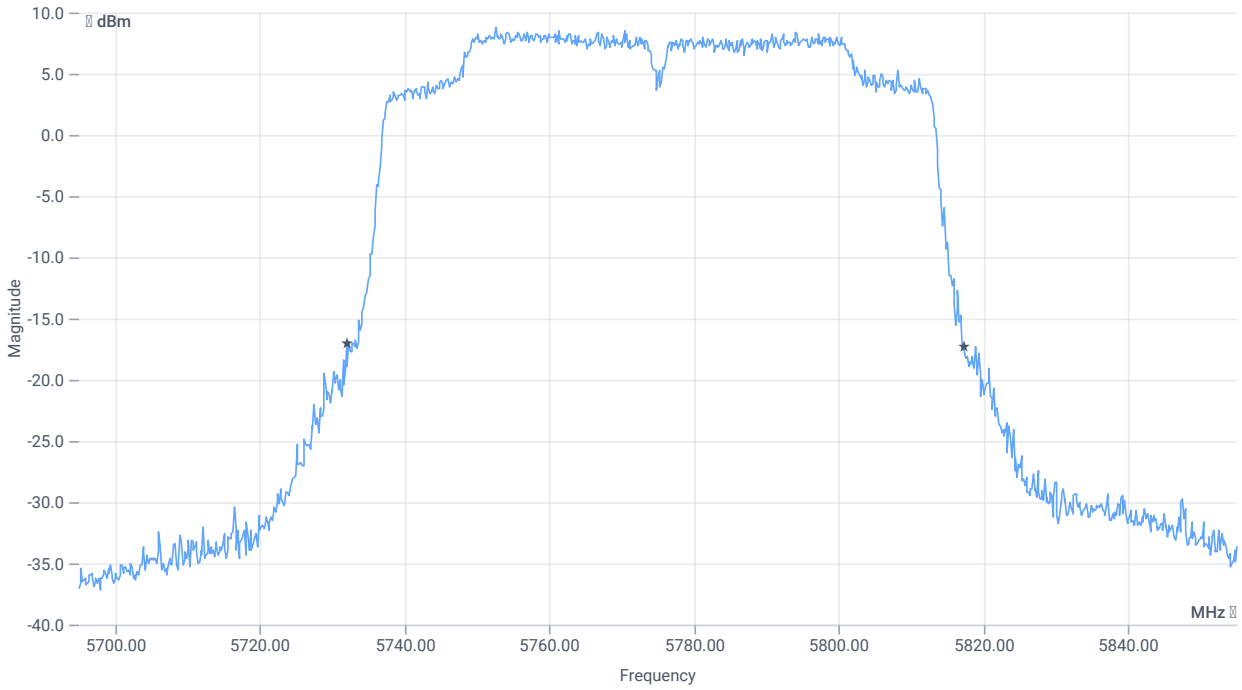
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

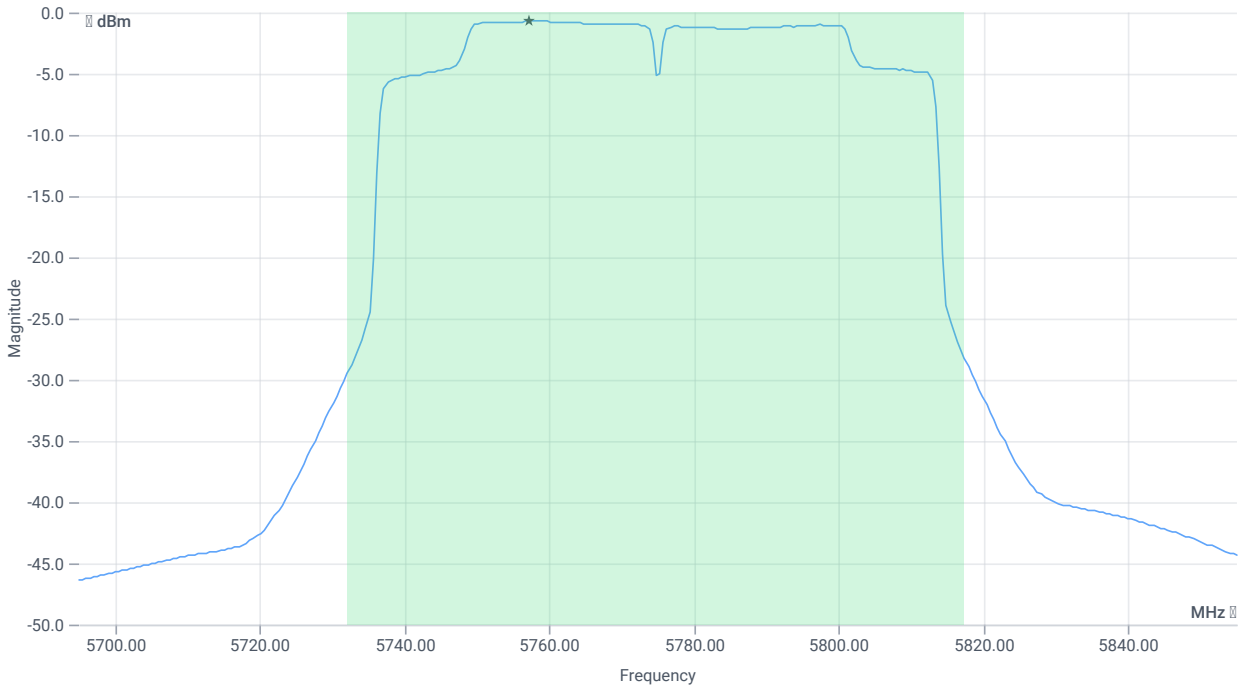
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	85.28	MHz	INFO
T1 26dB	---	---	5731.9600	MHz	INFO
T2 26dB	---	---	5817.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.63 | 11.41 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

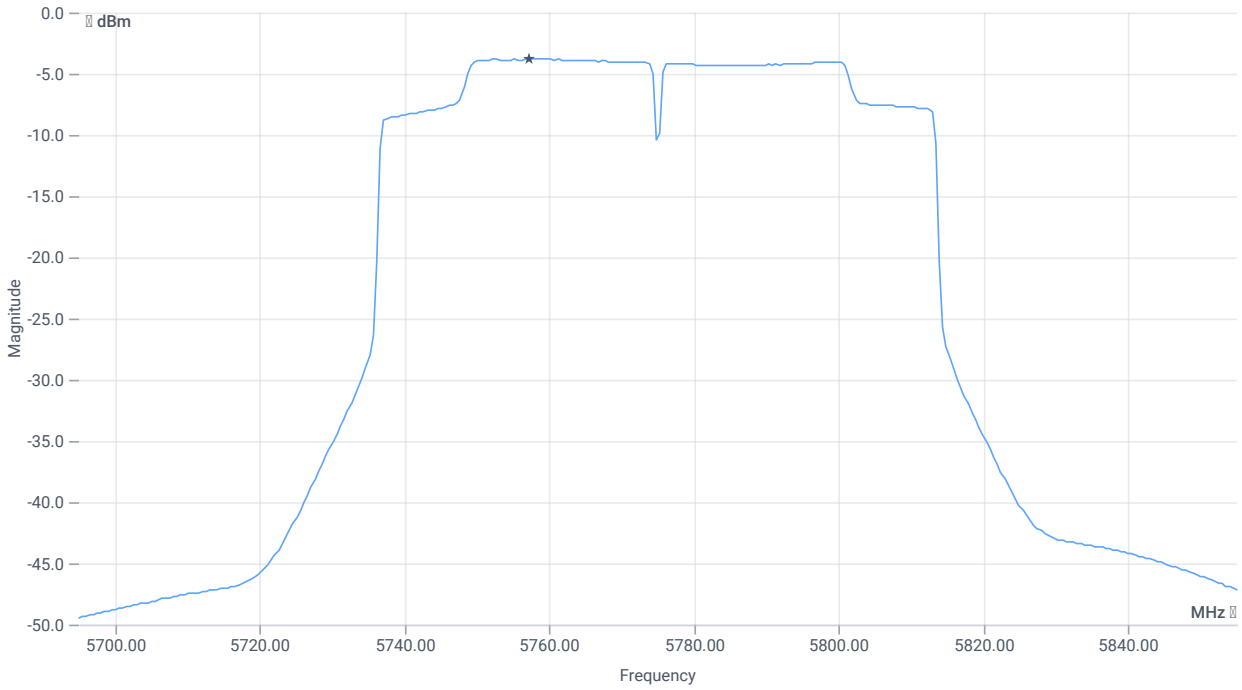
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.63	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	16.72	dBm	PASS
LIMIT: 11 dBm + 10 log 85.28					
Max output power DC corrected cond	---	30.31	16.72	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.63 | 11.41 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.74	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-3.65	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2A

References

TC start	06.05.2026 13:52:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
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 5290 MHz

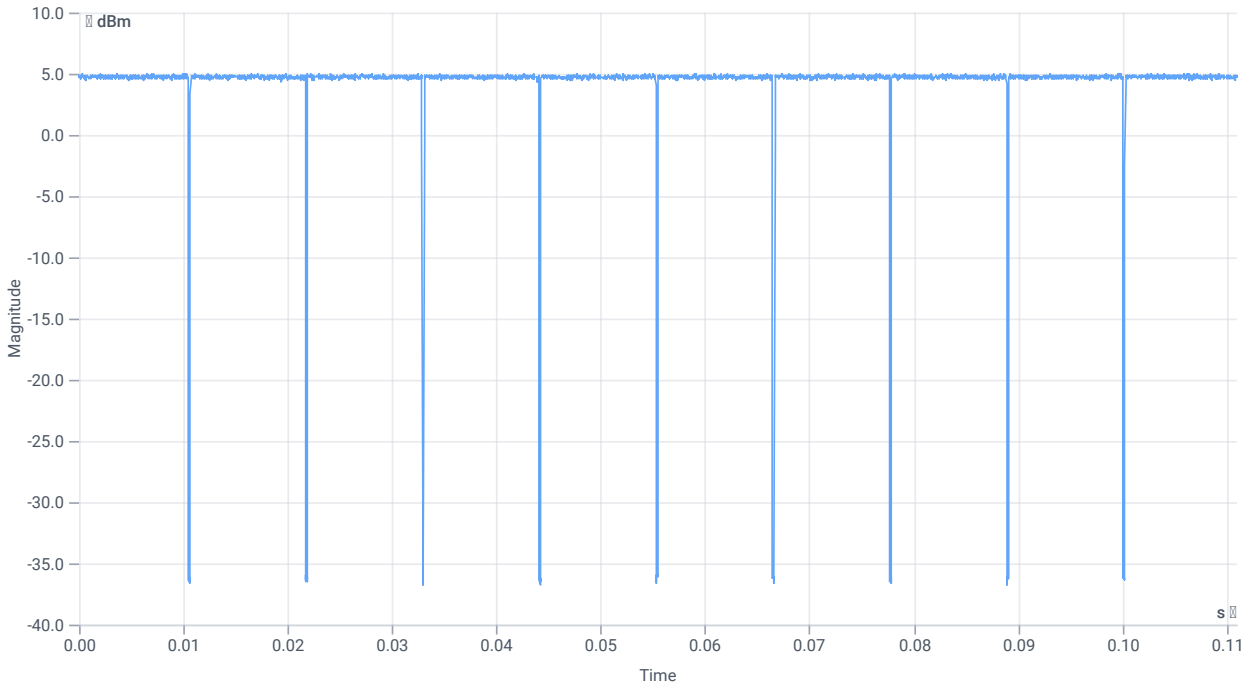
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.35	dBm	INFO
Ref. frequency	---	---	5265.220	MHz	INFO

Evaluation max. duty cycle

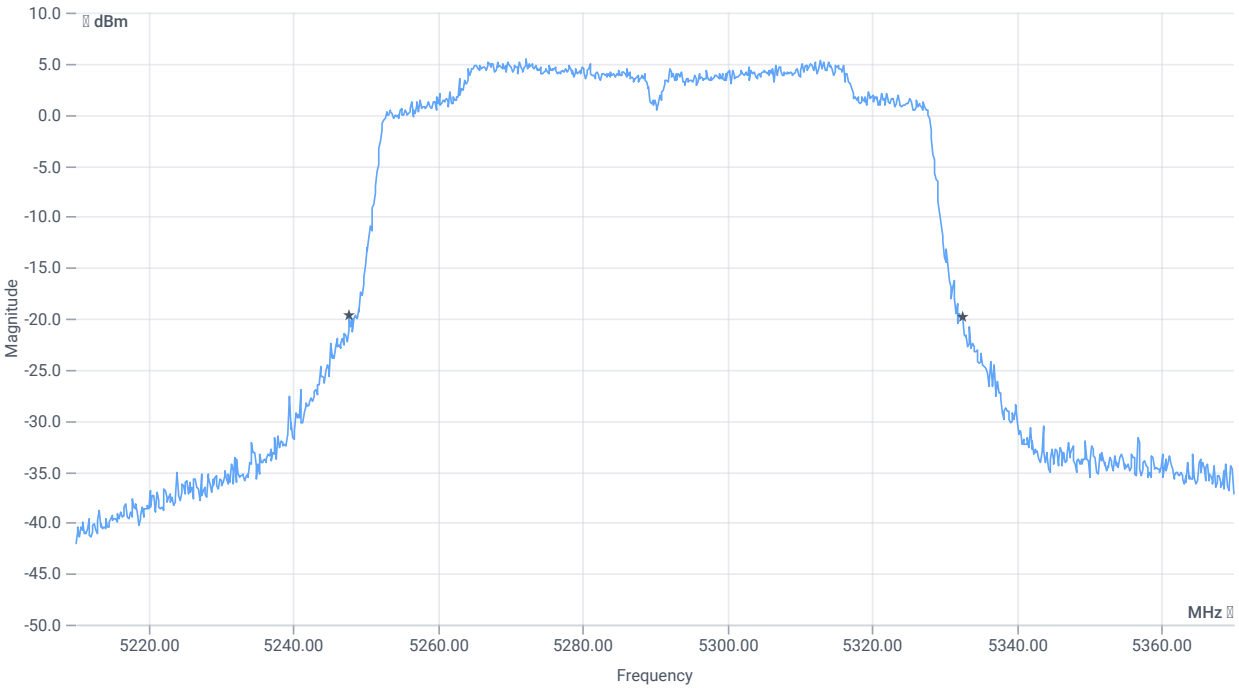
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 8					
Duty cycle (burst Ratio) max	---	---	0.98	---	INFO
Duty cycle max	---	---	0.088	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.978	---	INFO
Duty cycle min	---	---	0.097	dB	INFO
Max TX burst length	---	---	10.989	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.8	MHz	INFO
T1 26dB	---	---	5247.7600	MHz	INFO
T2 26dB	---	---	5332.5600	MHz	INFO

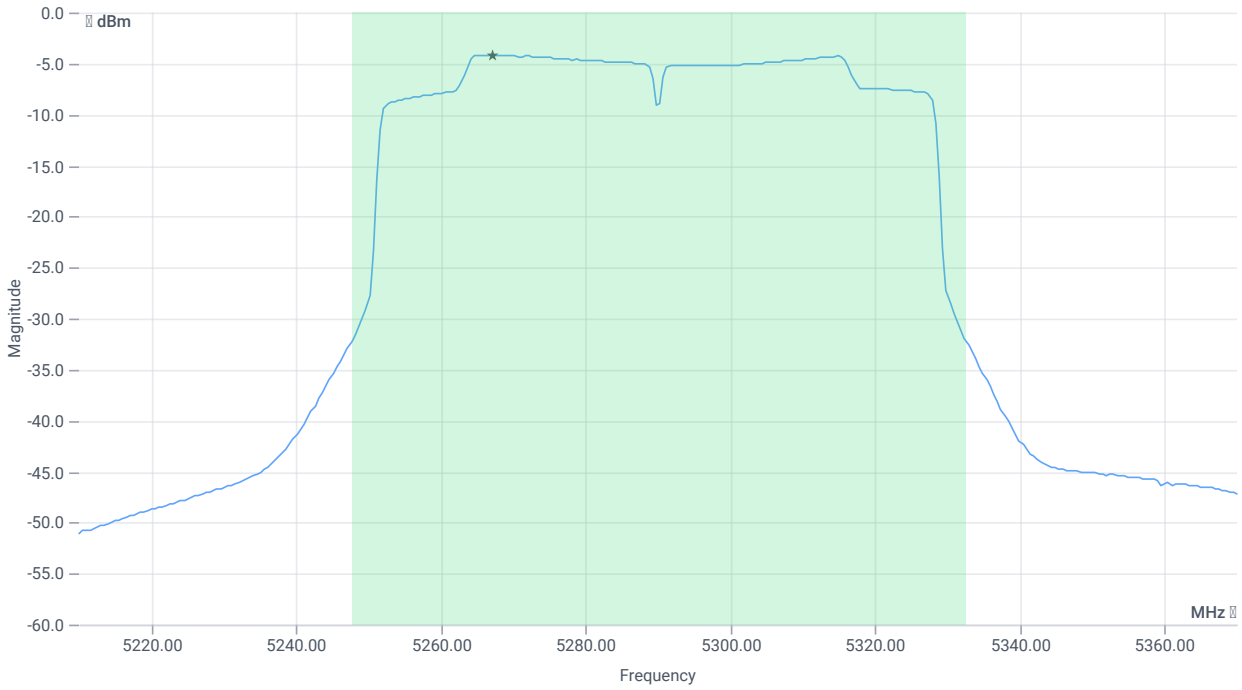
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.35 | 11.37 | 20
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.04	dBm	INFO
Duty cycle correction	---	---	0.1	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.14	dBm	PASS
LIMIT: 11 dBm + 10 log 84.8					
Max output power DC corrected cond	---	30.28	13.14	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.14	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.14	dBm/1MHz	INFO
Duty cycle correction	---	---	0.1	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.04	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2A

References

TC start	06.05.2026 13:55:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5290 MHz

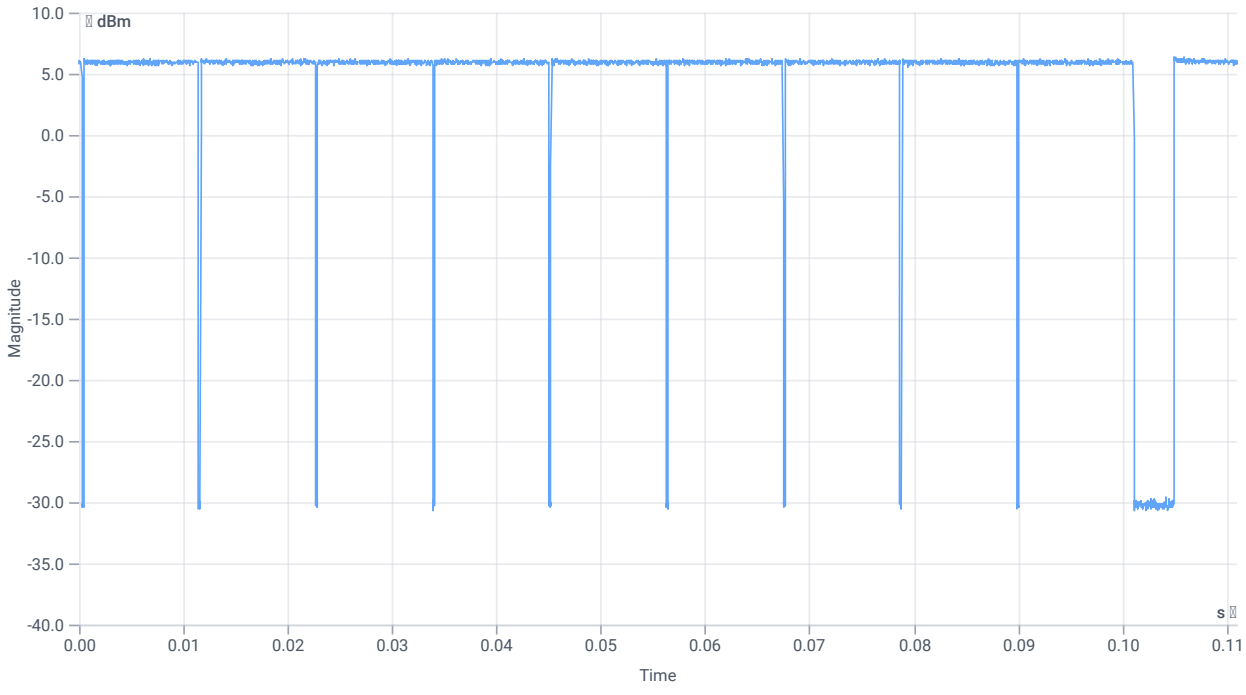
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.36	dBm	INFO
Ref. frequency	---	---	5305.980	MHz	INFO

Evaluation max. duty cycle

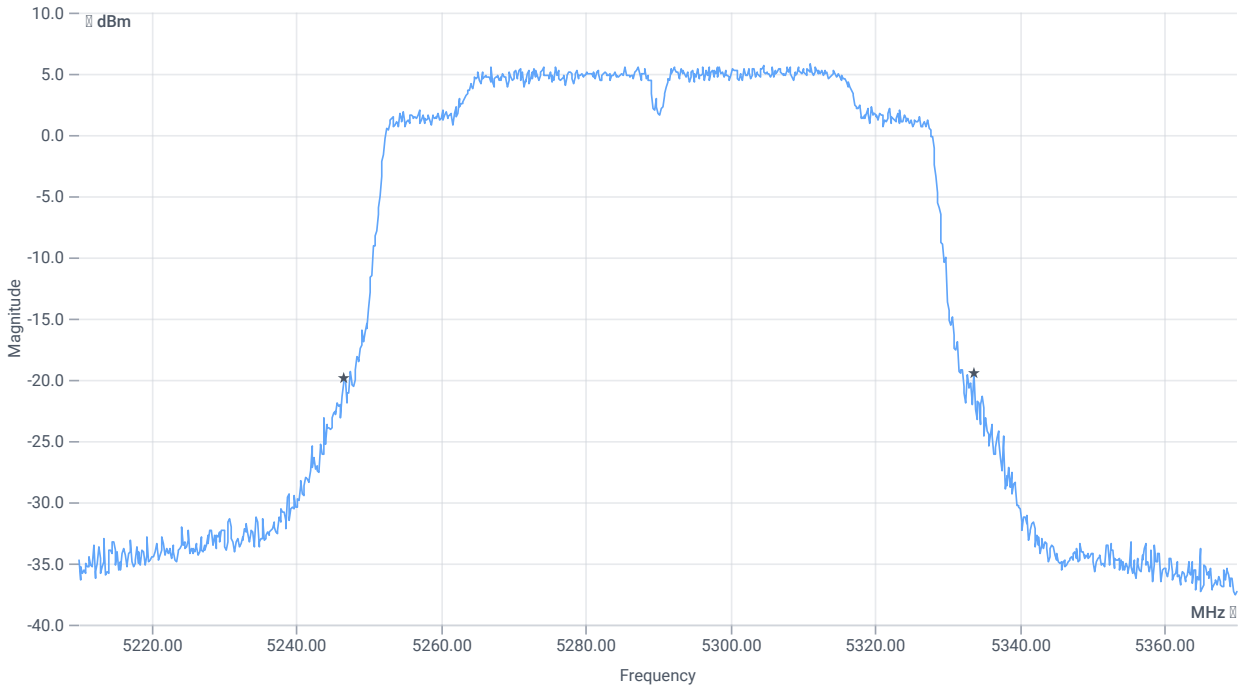
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 9					
Duty cycle (burst Ratio) max	---	---	0.98	---	INFO
Duty cycle max	---	---	0.088	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.978	---	INFO
Duty cycle min	---	---	0.097	dB	INFO
Max TX burst length	---	---	10.989	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	87.04	MHz	INFO
T1 26dB	---	---	5246.6400	MHz	INFO
T2 26dB	---	---	5333.6800	MHz	INFO

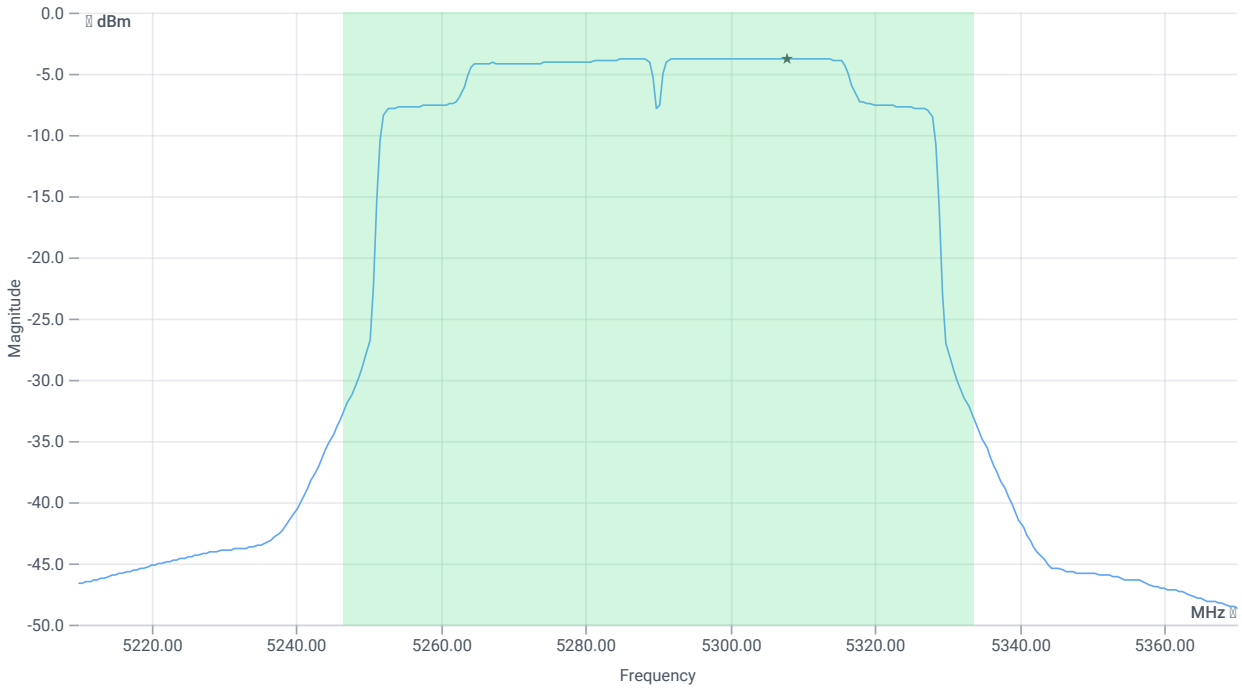
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.36 | 11.36 | 20
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.73	dBm	INFO
Duty cycle correction	---	---	0.1	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.83	dBm	PASS
LIMIT: 11 dBm + 10 log 87.04					
Max output power DC corrected cond	---	30.4	13.83	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.83	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.74	dBm/1MHz	INFO
Duty cycle correction	---	---	0.1	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.64	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	07.05.2026 08:22:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
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 5530 MHz

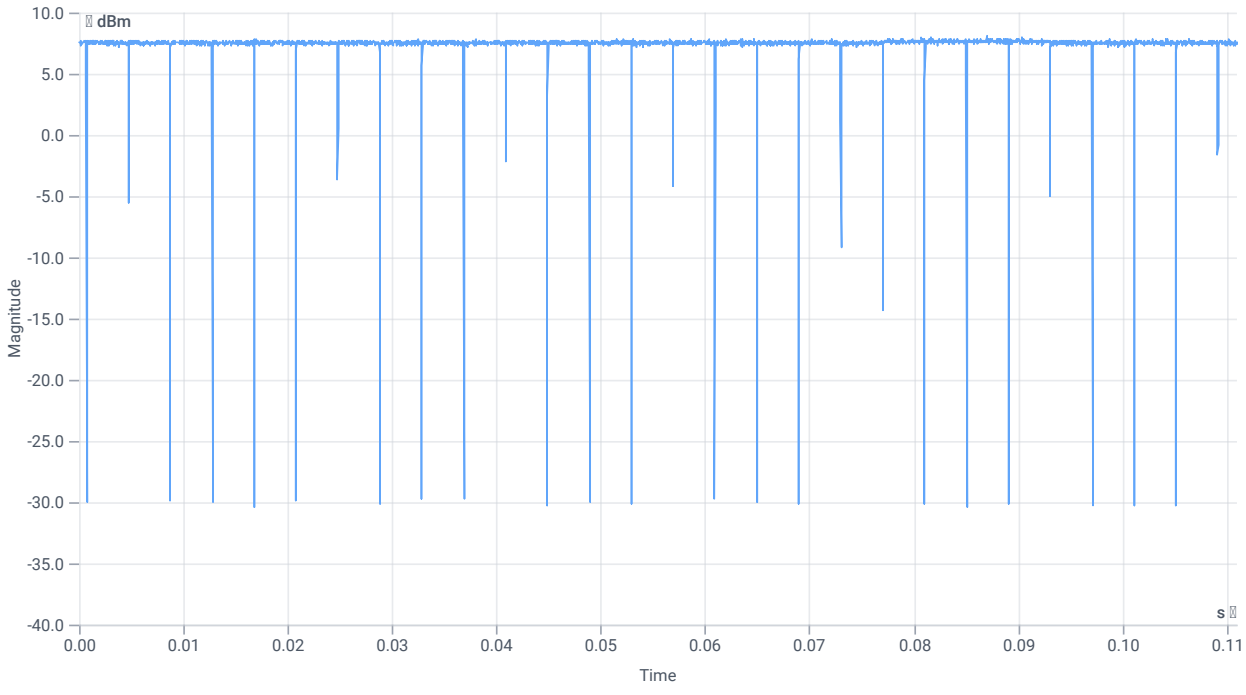
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.07	dBm	INFO
Ref. frequency	---	---	5506.020	MHz	INFO

Evaluation max. duty cycle

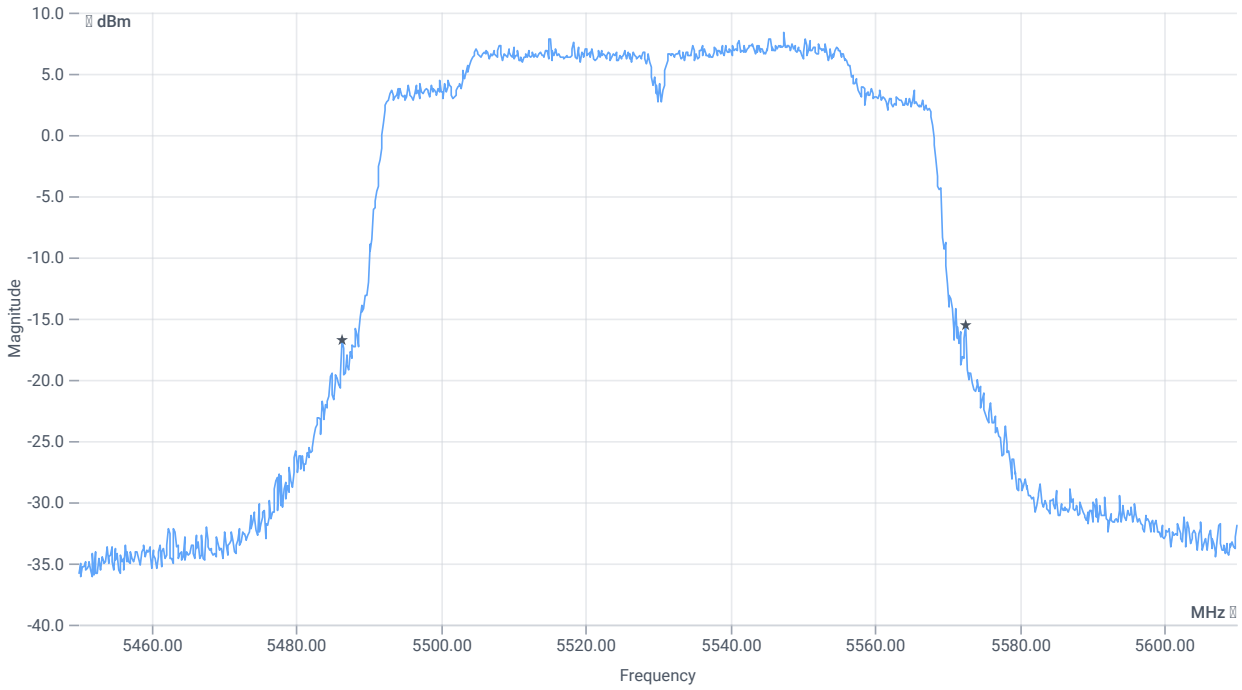
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

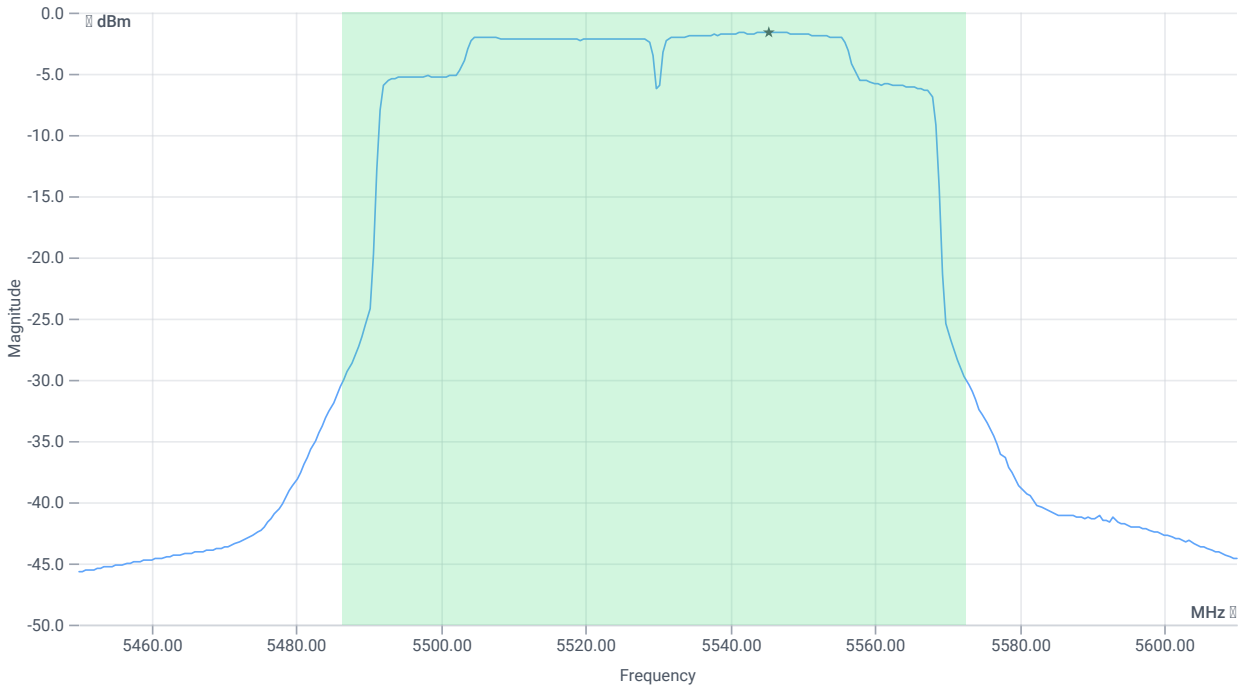
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	86.24	MHz	INFO
T1 26dB	---	---	5486.3200	MHz	INFO
T2 26dB	---	---	5572.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.07 | 11.41 | 25
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.69	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.78	dBm	PASS
LIMIT: 11 dBm + 10 log 86.24					
Max output power DC corrected cond	---	30.36	15.78	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.78	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.59	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-1.5	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	07.05.2026 08:25:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5530 MHz

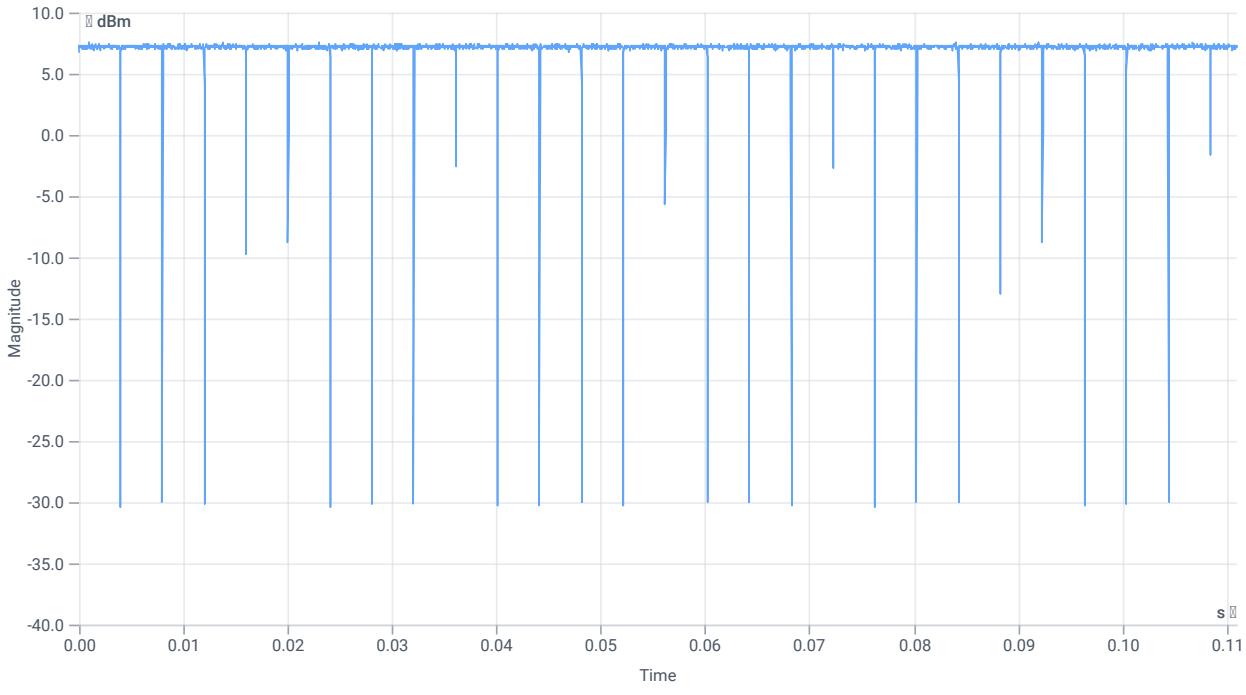
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.52	dBm	INFO
Ref. frequency	---	---	5526.200	MHz	INFO

Evaluation max. duty cycle

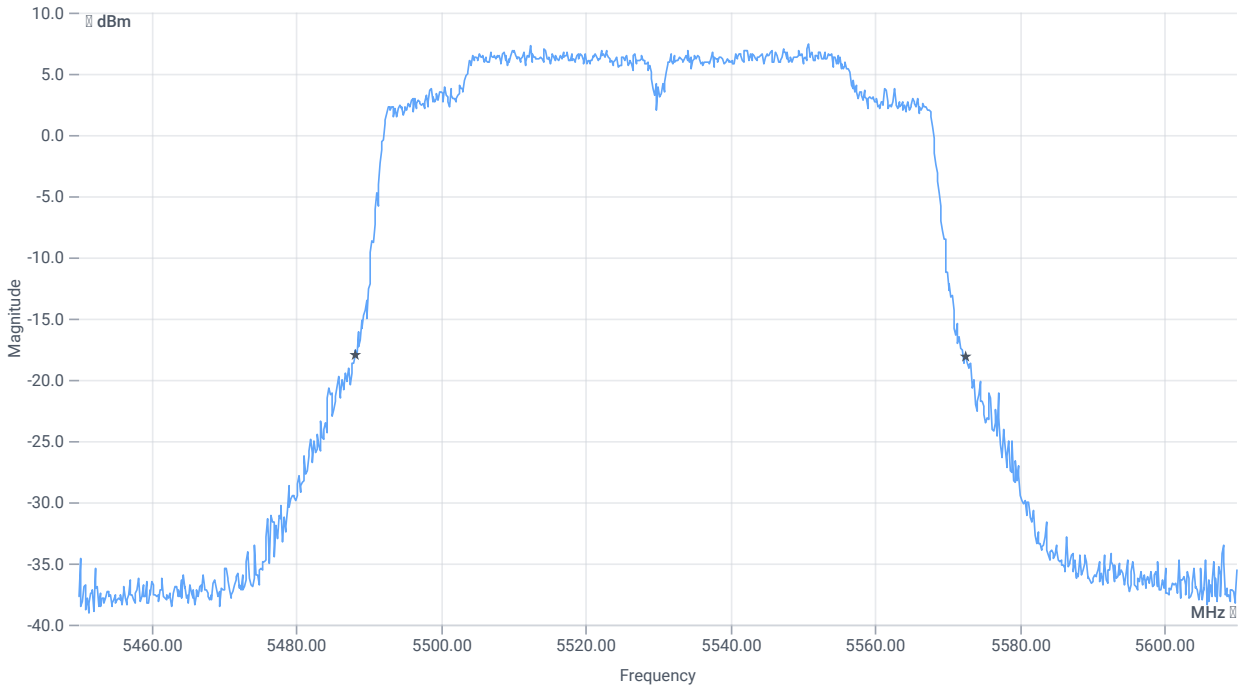
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

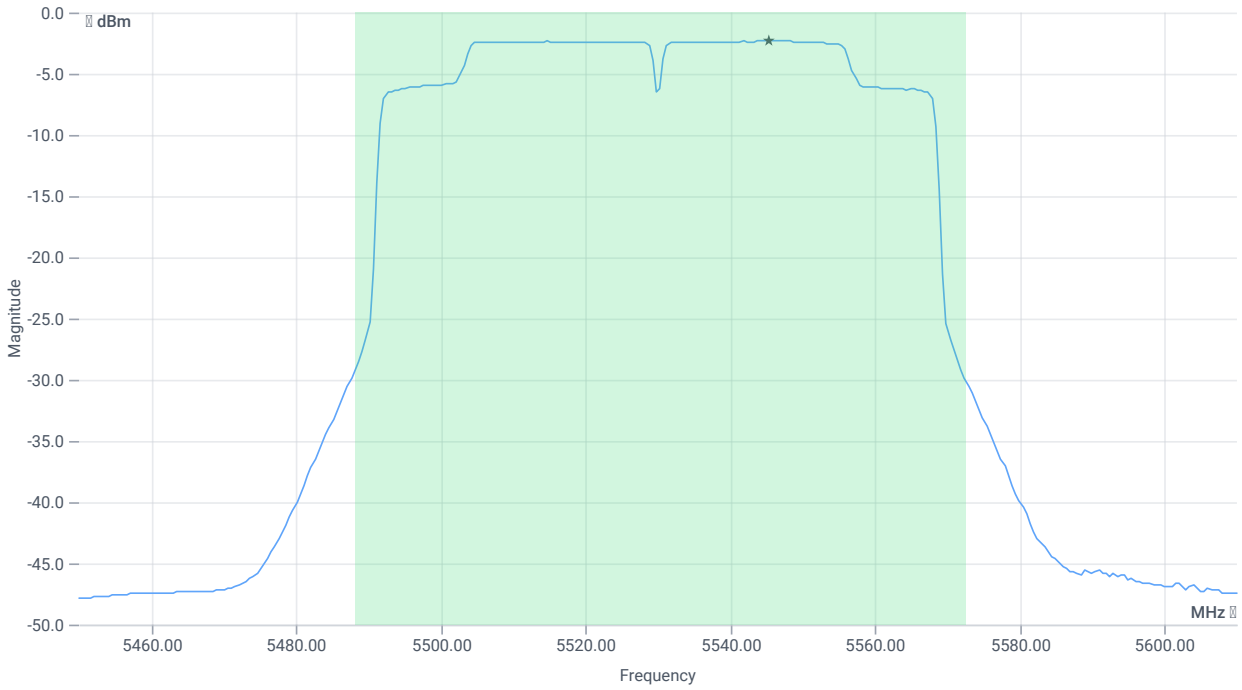
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.48	MHz	INFO
T1 26dB	---	---	5488.0800	MHz	INFO
T2 26dB	---	---	5572.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.52 | 11.35 | 25
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.24	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.33	dBm	PASS
LIMIT: 11 dBm + 10 log 84.48					
Max output power DC corrected cond	---	30.27	15.33	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.33	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.28	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.19	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	07.05.2026 08:28:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
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 5610 MHz

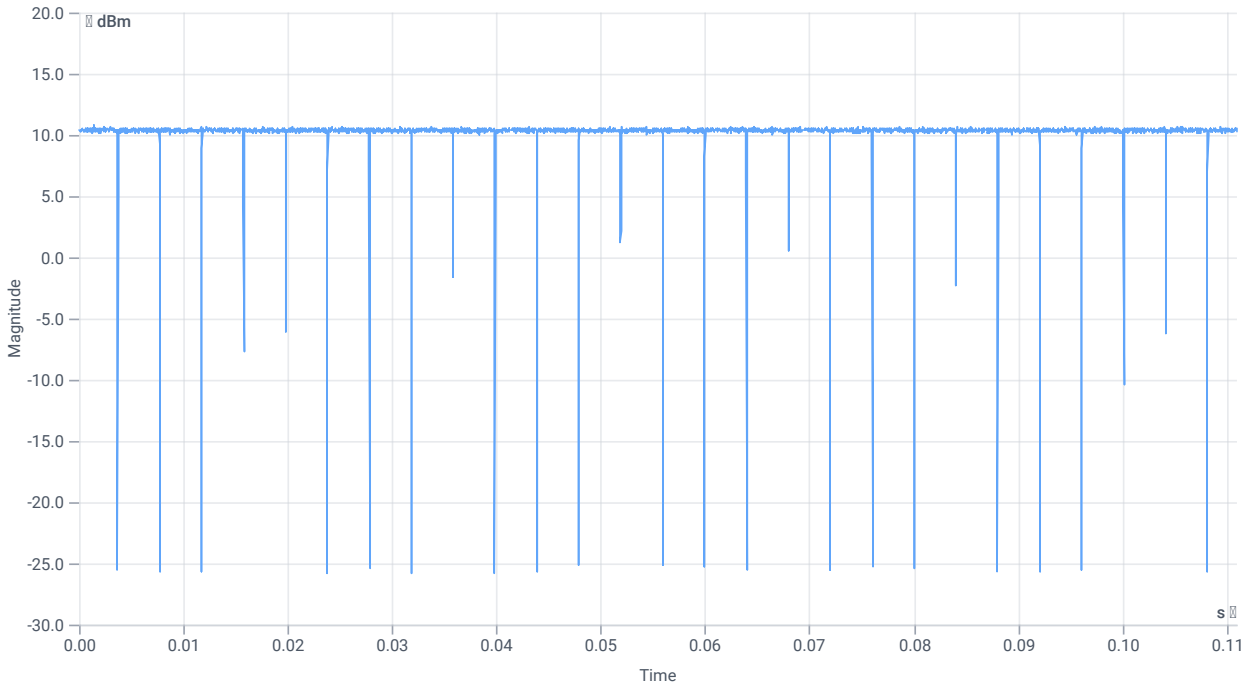
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.73	dBm	INFO
Ref. frequency	---	---	5621.190	MHz	INFO

Evaluation max. duty cycle

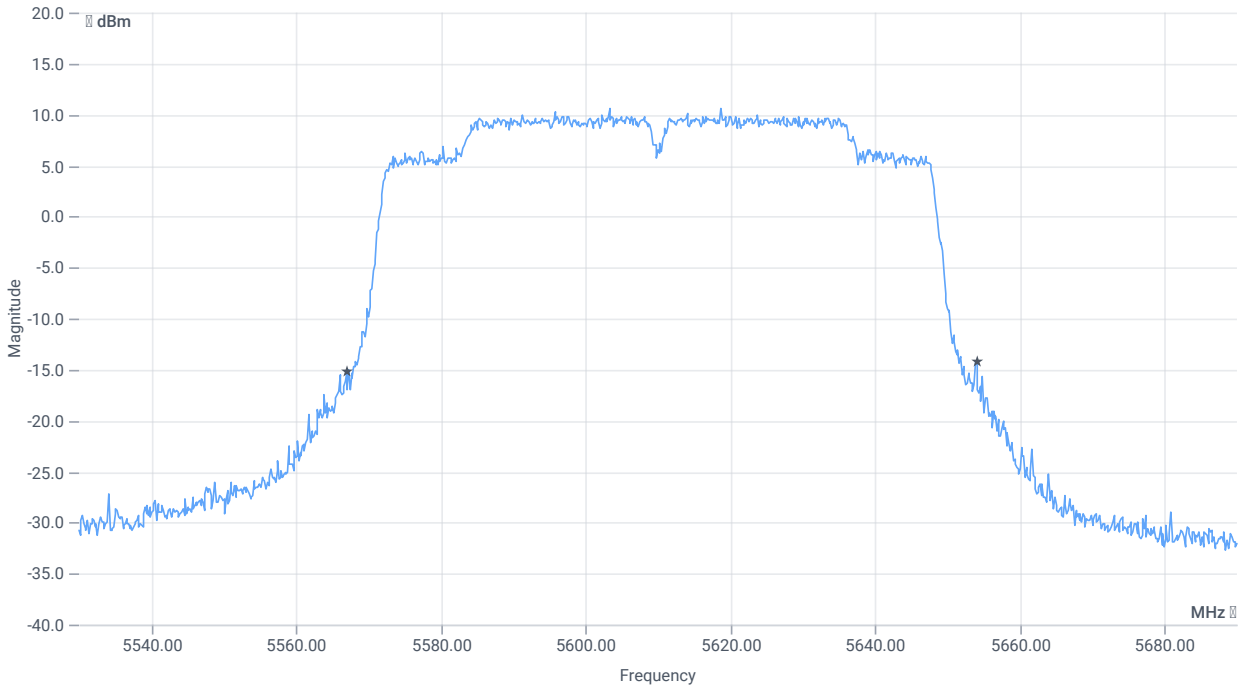
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.936	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

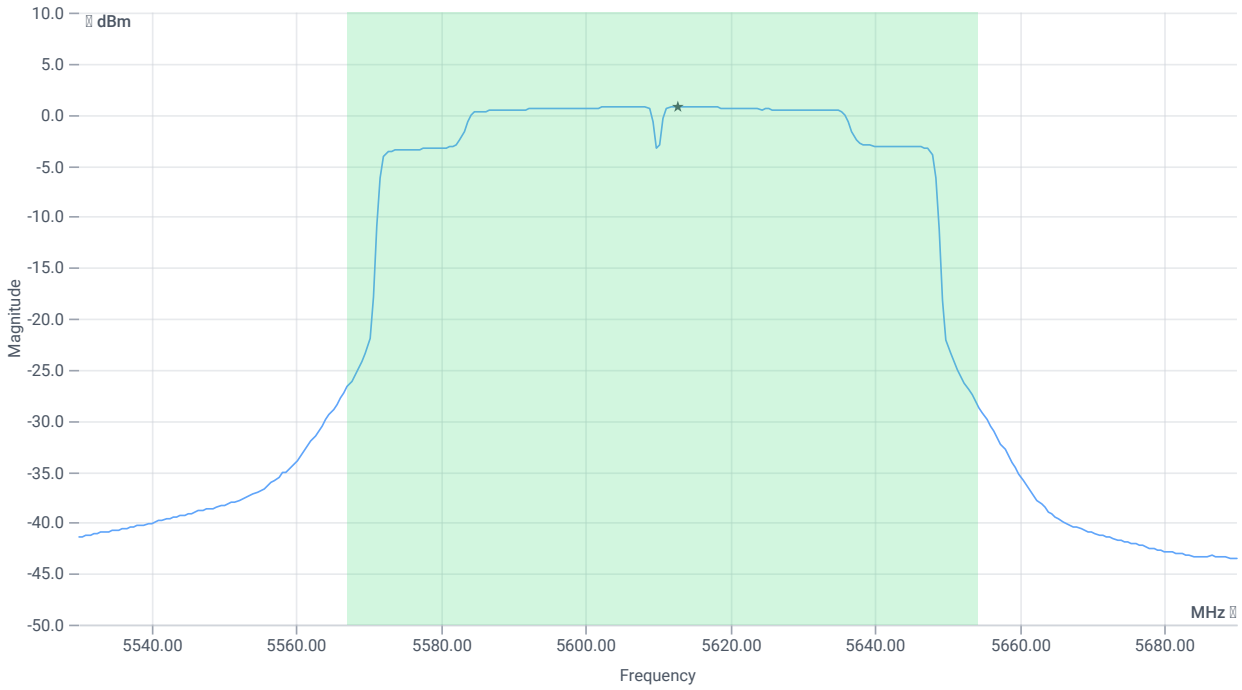
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	87.04	MHz	INFO
T1 26dB	---	---	5566.9600	MHz	INFO
T2 26dB	---	---	5654.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.73 | 11.61 | 25
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	18.21	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.3	dBm	PASS
LIMIT: 11 dBm + 10 log 87.04					
Max output power DC corrected cond	---	30.4	18.3	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.3	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.8	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.89	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	07.05.2026 08:31:20
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 5690
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5610 MHz

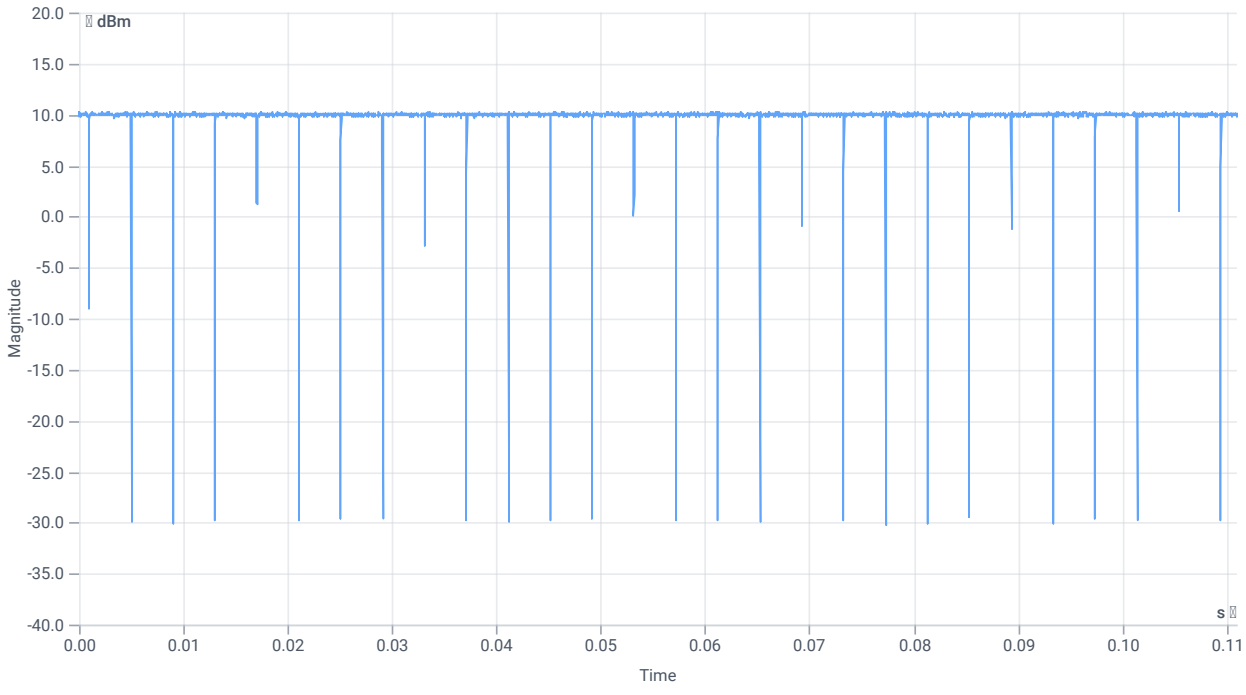
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.25	dBm	INFO
Ref. frequency	---	---	5627.980	MHz	INFO

Evaluation max. duty cycle

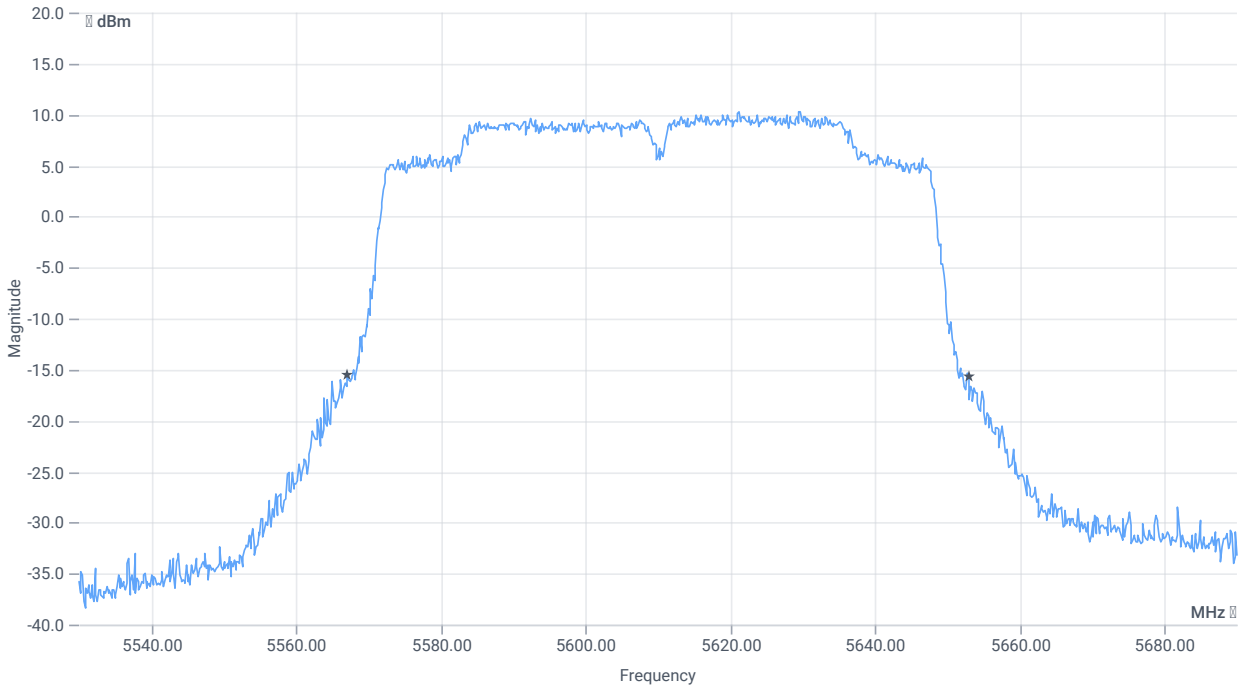
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.937	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

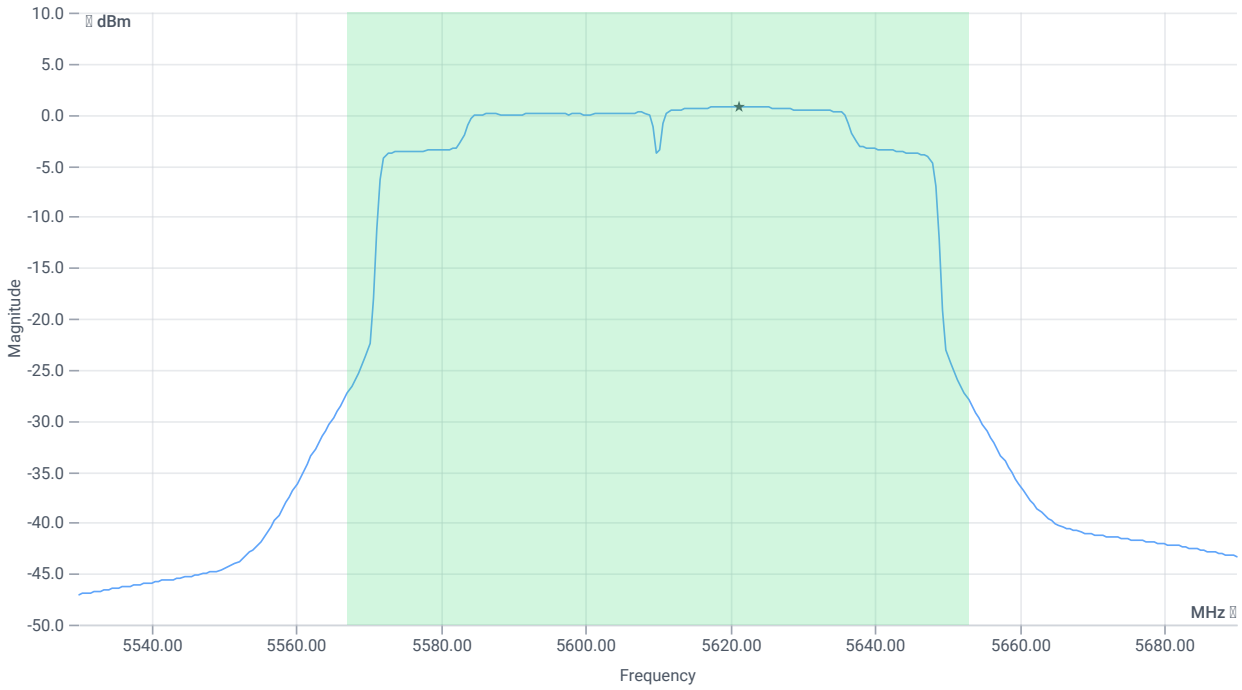
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	85.76	MHz	INFO
T1 26dB	---	---	5567.1200	MHz	INFO
T2 26dB	---	---	5652.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.25 | 11.64 | 25
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.94	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.03	dBm	PASS
LIMIT: 11 dBm + 10 log 85.76					
Max output power DC corrected cond	---	30.33	18.03	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.03	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.72	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.81	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-1_2A

References

TC start	06.05.2026 09:46:51
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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 5250 MHz

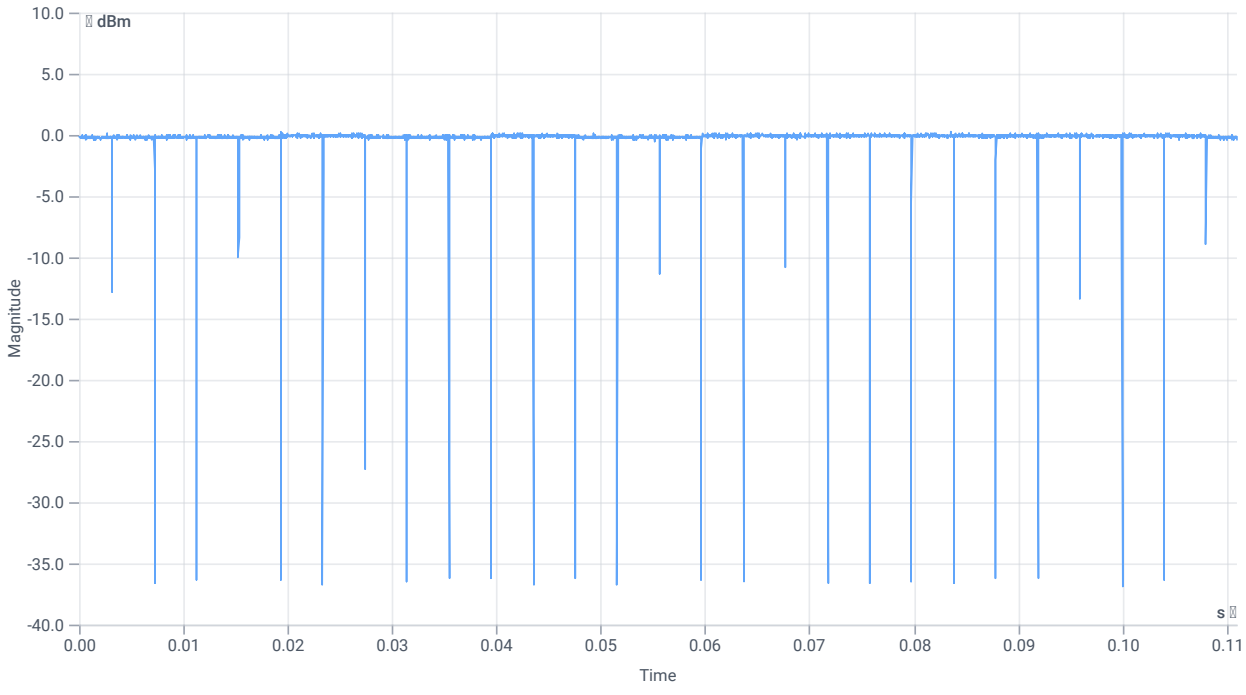
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	0.54	dBm	INFO
Ref. frequency	---	---	5275.170	MHz	INFO

Evaluation max. duty cycle

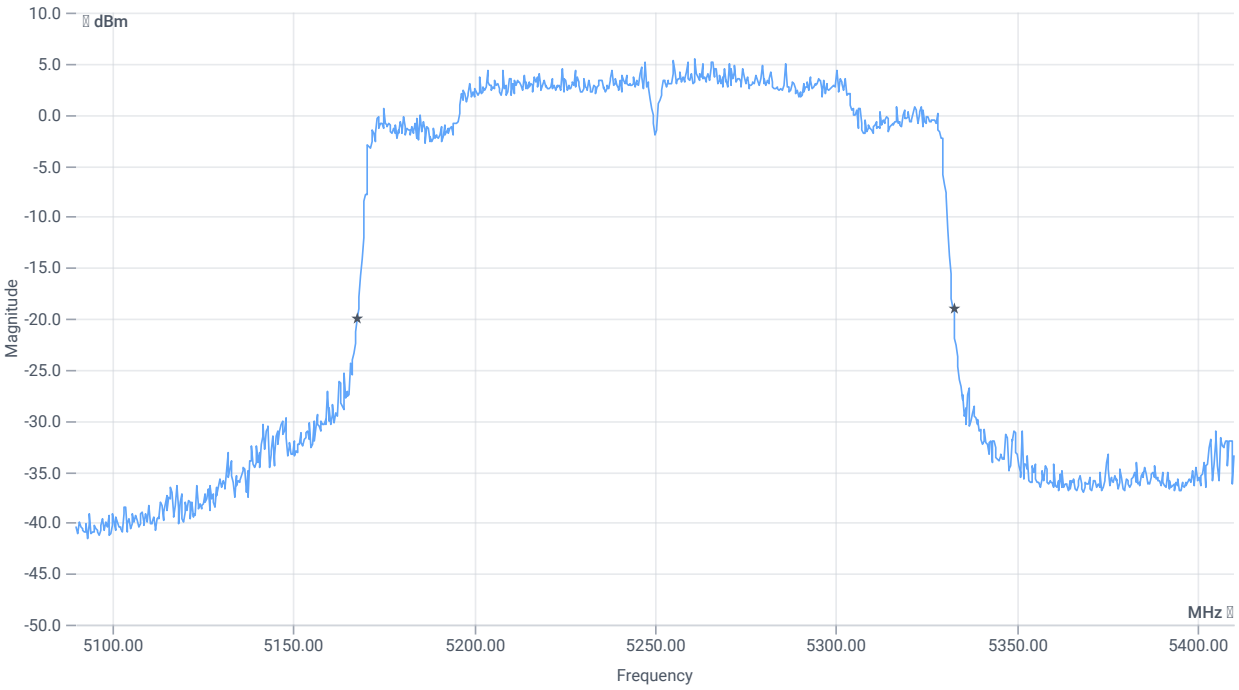
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

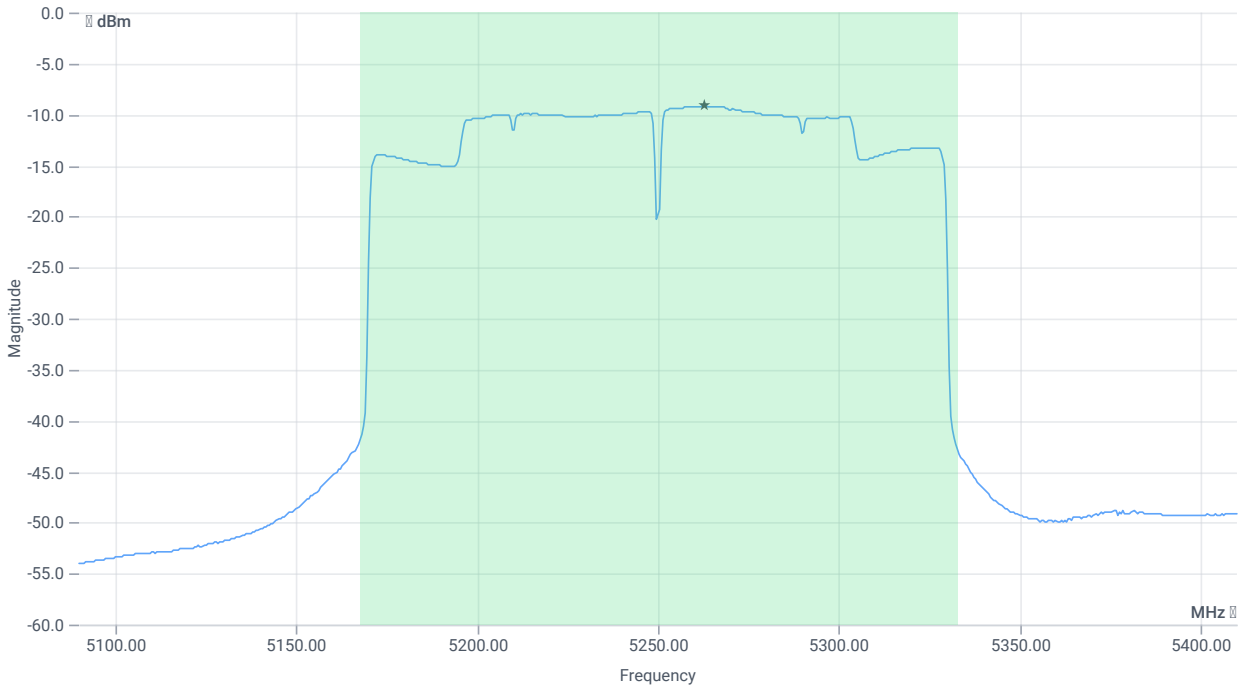
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.8	MHz	INFO
T1 26dB	---	---	5167.7600	MHz	INFO
T2 26dB	---	---	5332.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.54 | 11.32 | 20
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.75	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.84	dBm	PASS
LIMIT: 11 dBm + 10 log 164.8					
Max output power DC corrected cond	---	33.17	10.84	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-9.08	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-8.99	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-1_2A

References

TC start	06.05.2026 09:52:15
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5250 MHz

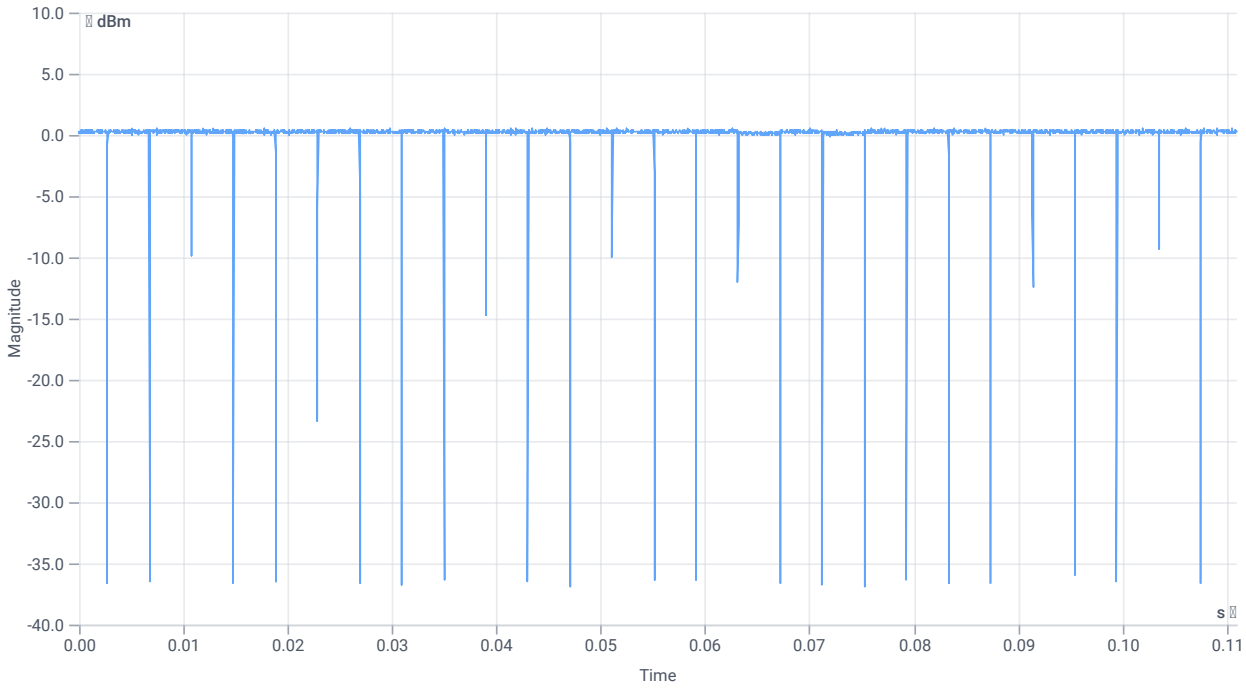
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.22	dBm	INFO
Ref. frequency	---	---	5228.420	MHz	INFO

Evaluation max. duty cycle

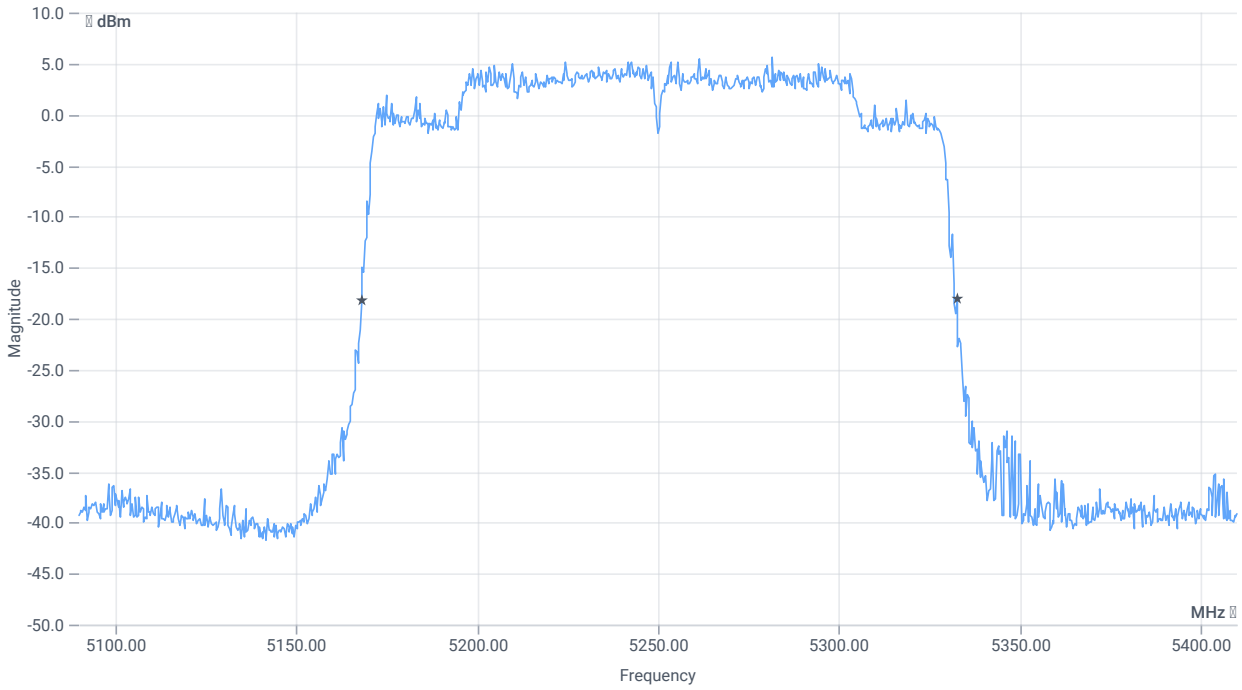
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.973	---	INFO
Duty cycle min	---	---	0.119	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.111	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

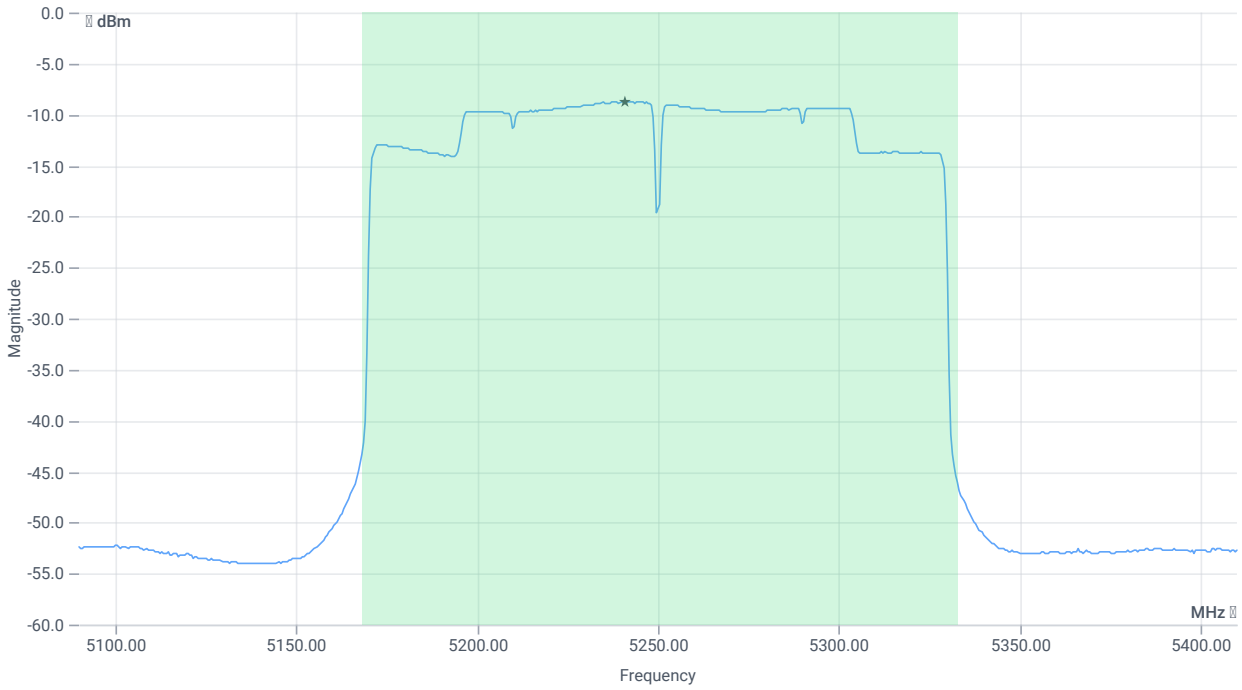
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.48	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5332.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.22 | 11.28 | 20
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	11.28	dBm	INFO
Duty cycle correction	---	---	0.12	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.4	dBm	PASS
LIMIT: 11 dBm + 10 log 164.48					
Max output power DC corrected cond	---	33.16	11.4	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.76	dBm/1MHz	INFO
Duty cycle correction	---	---	0.12	dB	INFO
Power spectral density DC corrected cond	---	11	-8.64	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-1_2A

References

TC start	06.05.2026 15:34:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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 5250 MHz

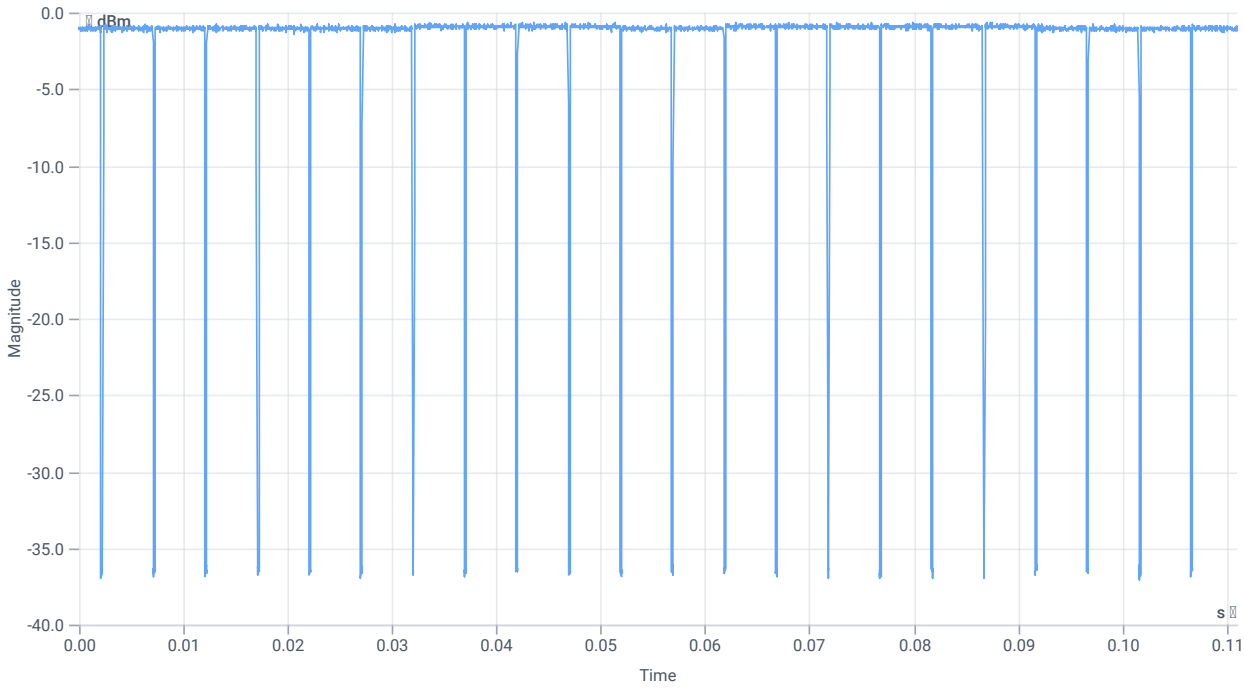
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	0.73	dBm	INFO
Ref. frequency	---	---	5267.180	MHz	INFO

Evaluation max. duty cycle

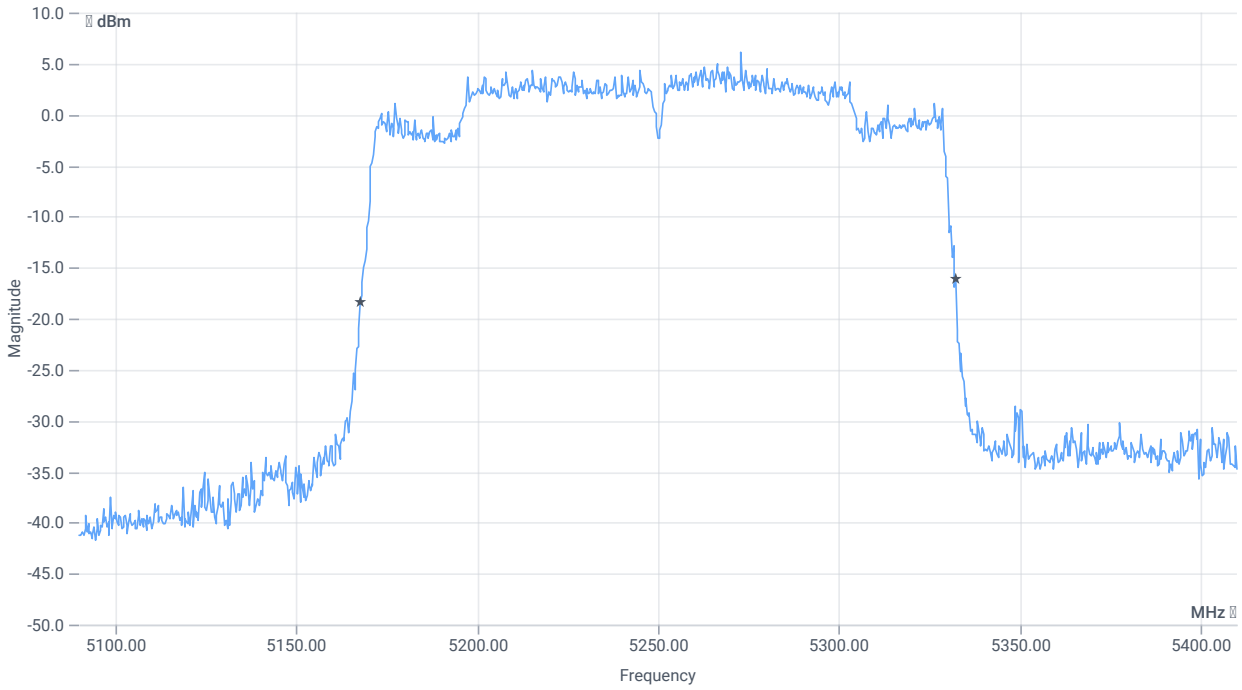
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 21					
Duty cycle (burst Ratio) max	---	---	0.955	---	INFO
Duty cycle max	---	---	0.2	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.95	---	INFO
Duty cycle min	---	---	0.223	dB	INFO
Max TX burst length	---	---	4.745	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

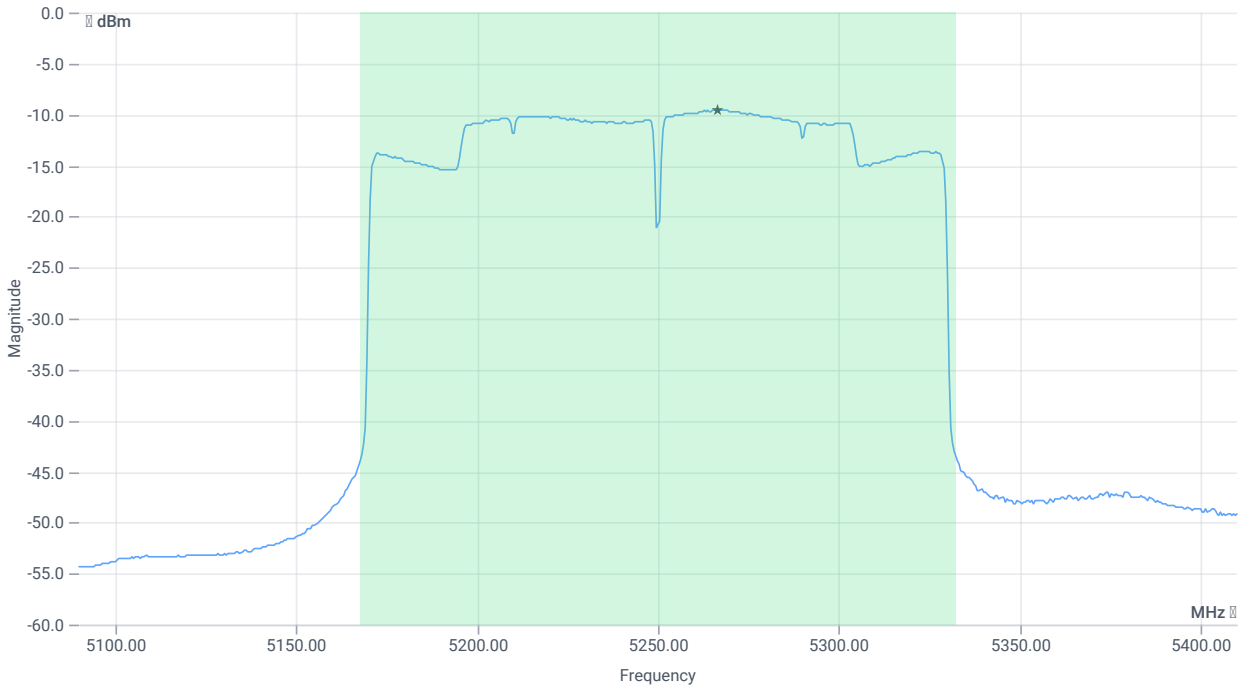
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.48	MHz	INFO
T1 26dB	---	---	5167.7600	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.73 | 11.32 | 20
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.31	dBm	INFO
Duty cycle correction	---	---	0.22	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.53	dBm	PASS
LIMIT: 11 dBm + 10 log 164.48					
Max output power DC corrected cond	---	33.16	10.53	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-9.54	dBm/1MHz	INFO
Duty cycle correction	---	---	0.22	dB	INFO
Power spectral density DC corrected cond	---	11	-9.32	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-1_2A

References

TC start	06.05.2026 15:39:47
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-1_2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5250
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5250 MHz

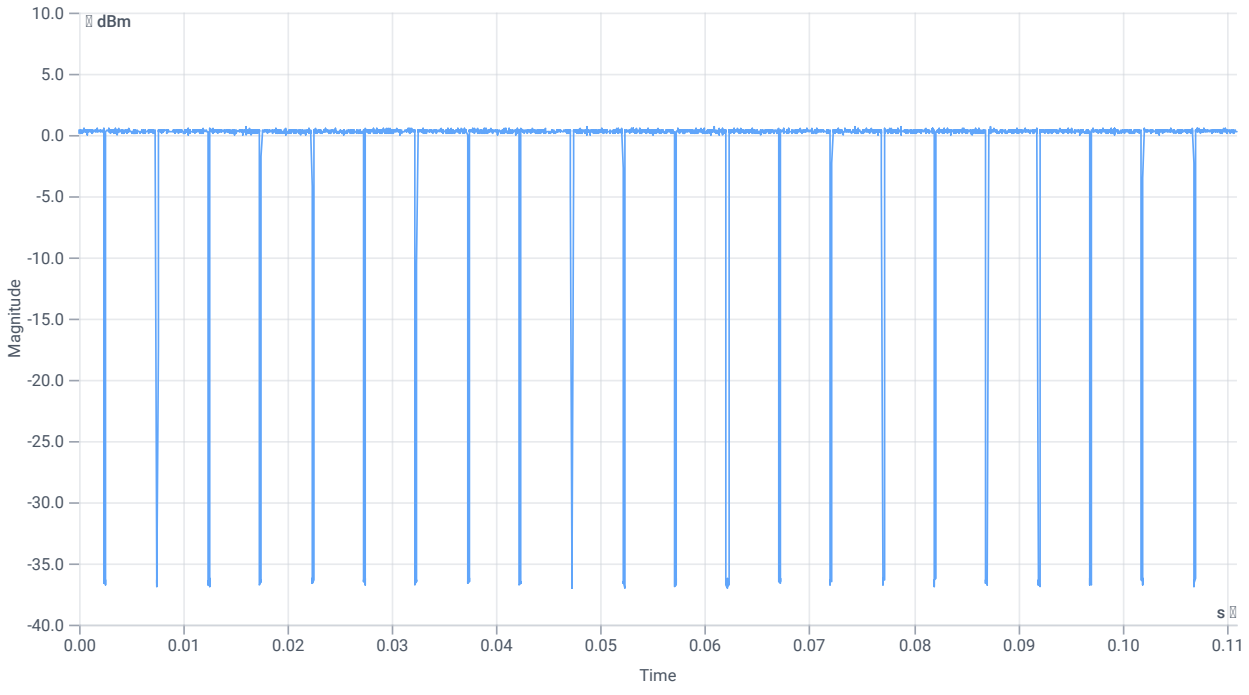
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.59	dBm	INFO
Ref. frequency	---	---	5239.610	MHz	INFO

Evaluation max. duty cycle

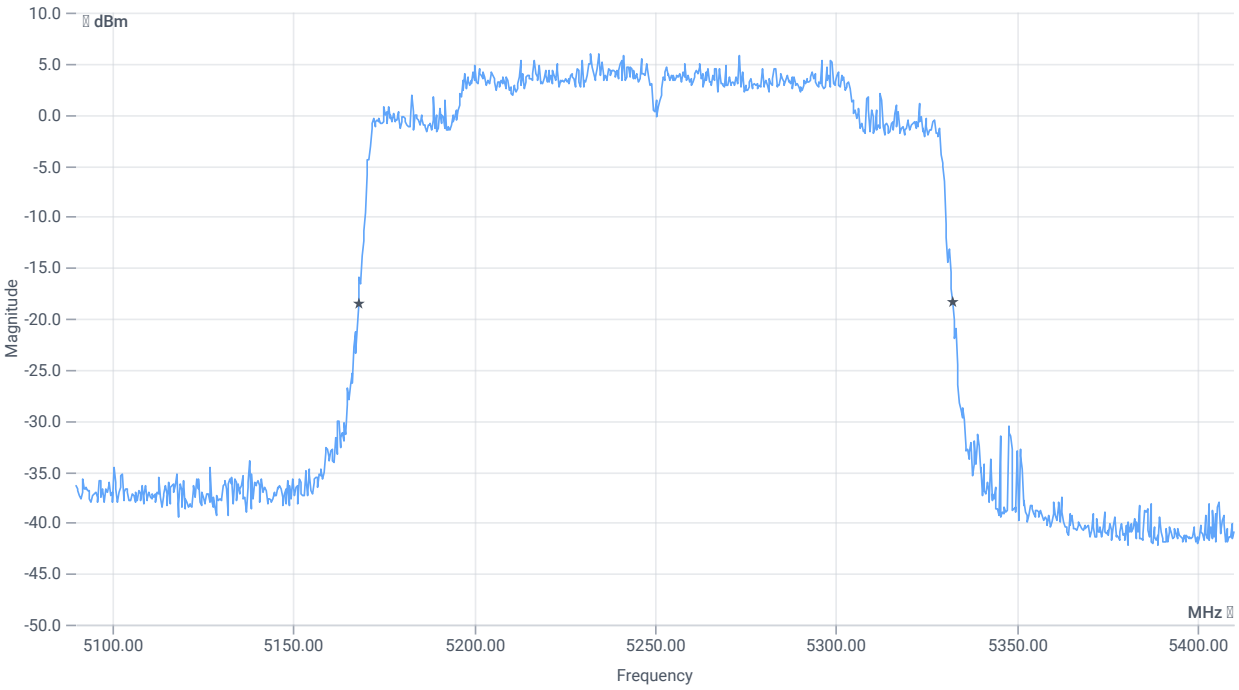
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 21					
Duty cycle (burst Ratio) max	---	---	0.955	---	INFO
Duty cycle max	---	---	0.2	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.95	---	INFO
Duty cycle min	---	---	0.223	dB	INFO
Max TX burst length	---	---	4.745	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

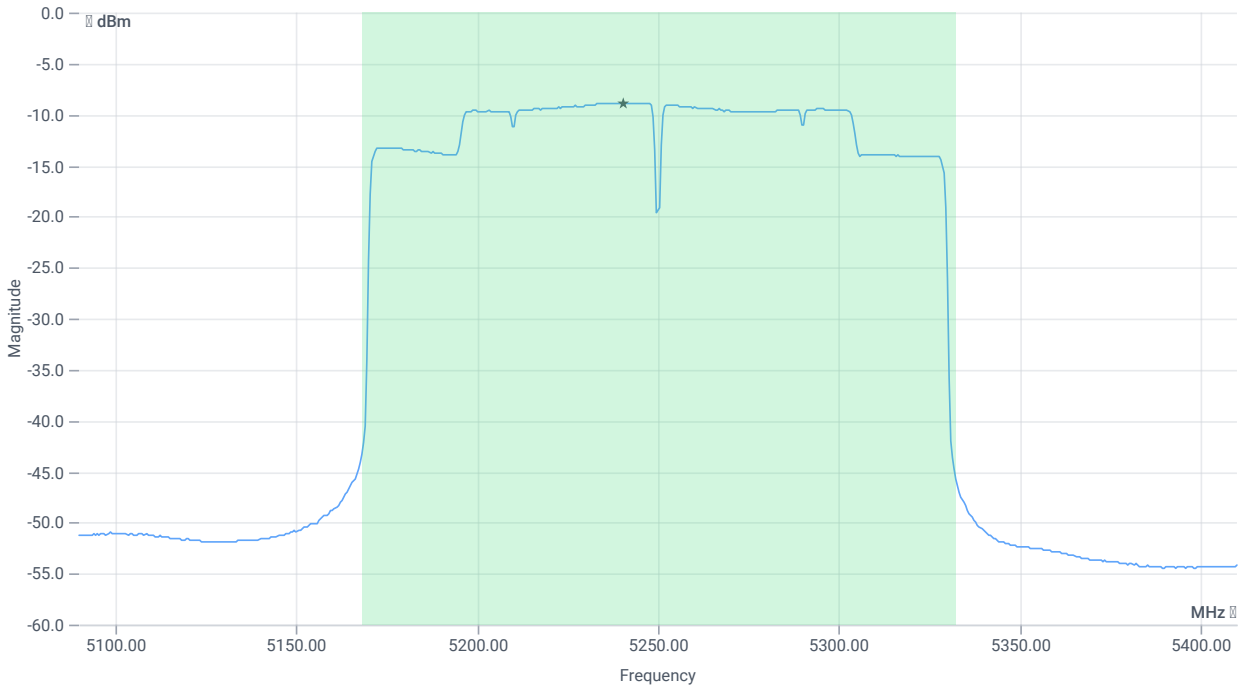
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.16	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5332.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.59 | 11.28 | 20
Start [MHz] | Stop [MHz]	5090.000 | 5410.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	11.24	dBm	INFO
Duty cycle correction	---	---	0.22	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.46	dBm	PASS
LIMIT: 11 dBm + 10 log 164.16					
Max output power DC corrected cond	---	33.15	11.46	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.86	dBm/1MHz	INFO
Duty cycle correction	---	---	0.22	dB	INFO
Power spectral density DC corrected cond	---	11	-8.64	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-2C

References

TC start	07.05.2026 11:06:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5570
Frequency high to test	False | Freq [MHz] 0
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 5570 MHz

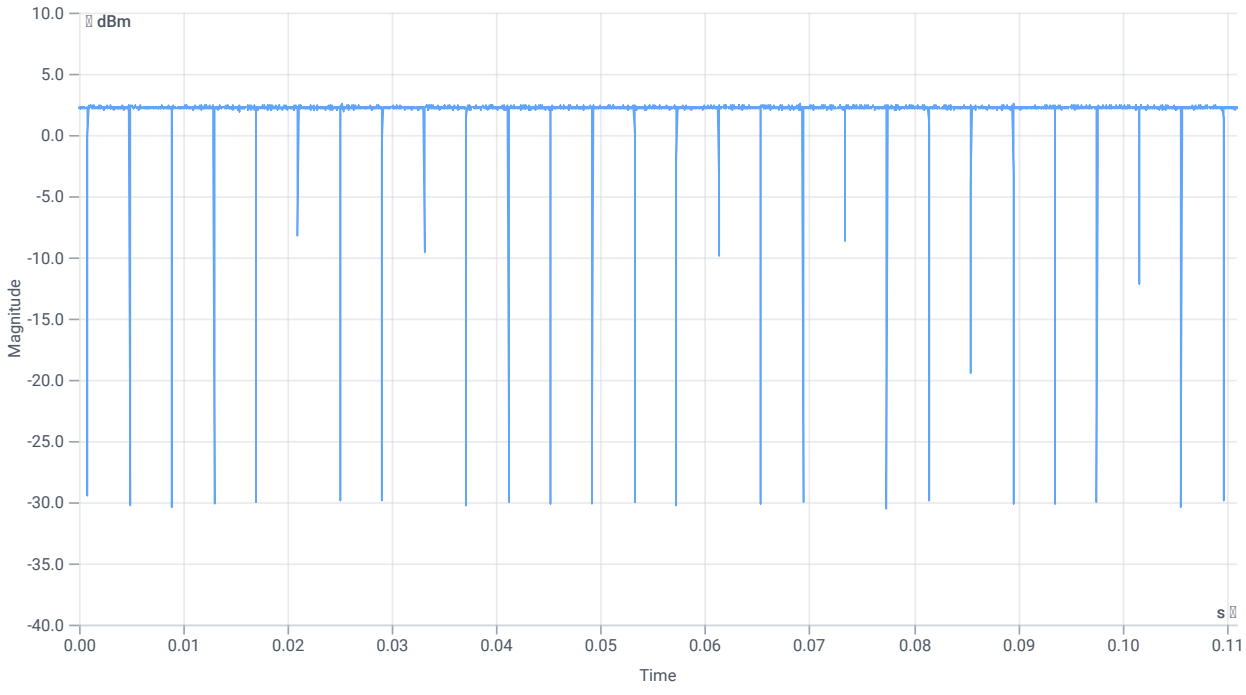
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.85	dBm	INFO
Ref. frequency	---	---	5560.010	MHz	INFO

Evaluation max. duty cycle

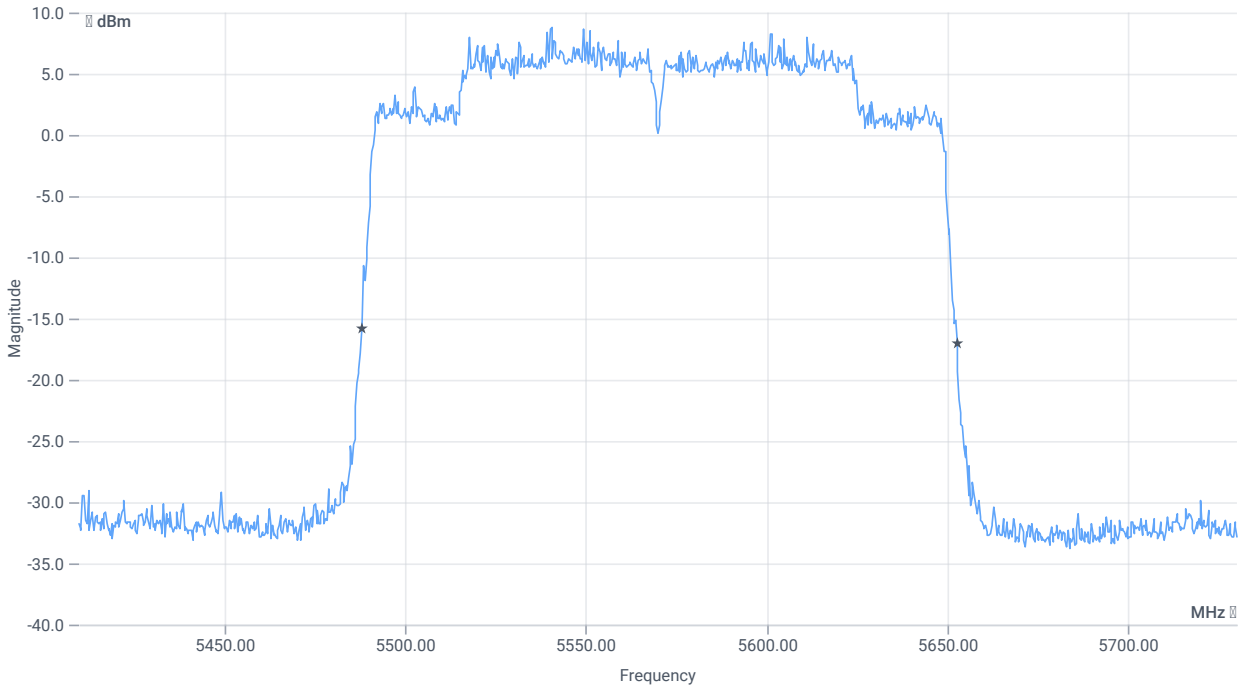
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

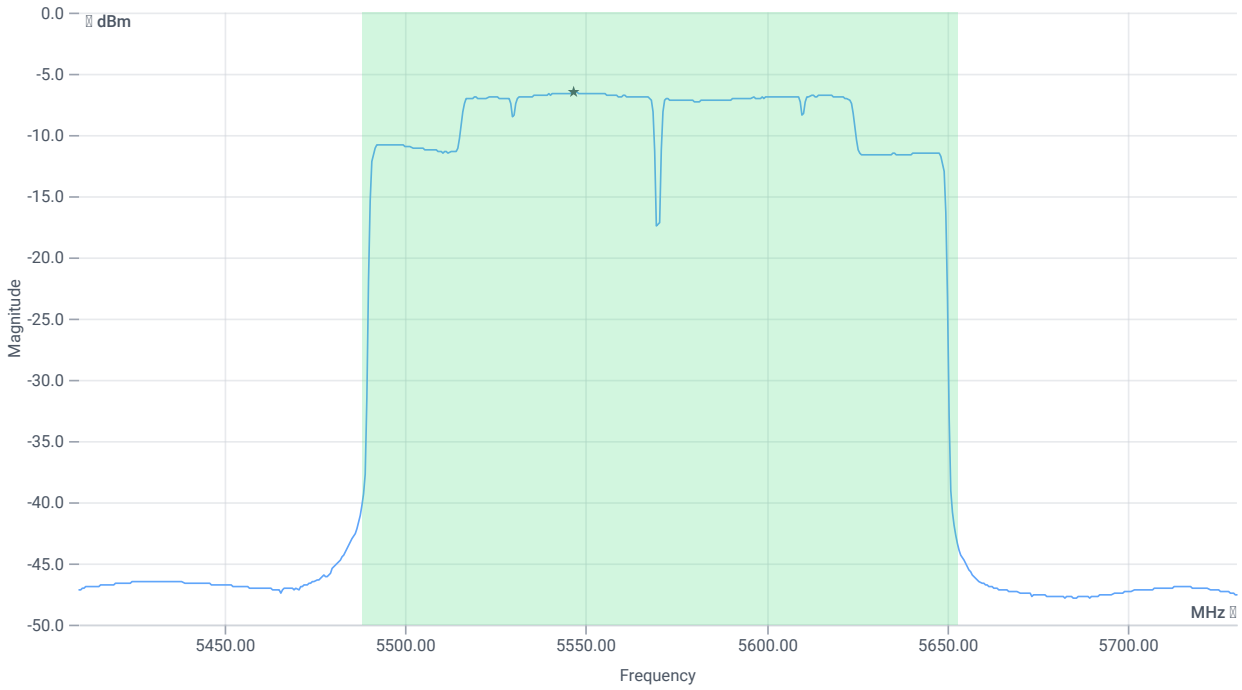
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.48	MHz	INFO
T1 26dB	---	---	5488.0800	MHz	INFO
T2 26dB	---	---	5652.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.85 | 11.41 | 20
Start [MHz] | Stop [MHz]	5410.000 | 5730.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.74	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.83	dBm	PASS
LIMIT: 11 dBm + 10 log 164.48					
Max output power DC corrected cond	---	33.16	13.83	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.83	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-6.54	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-6.45	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE160 U-NII-2C

References

TC start	07.05.2026 11:11:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE160 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE160
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5570
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5570 MHz

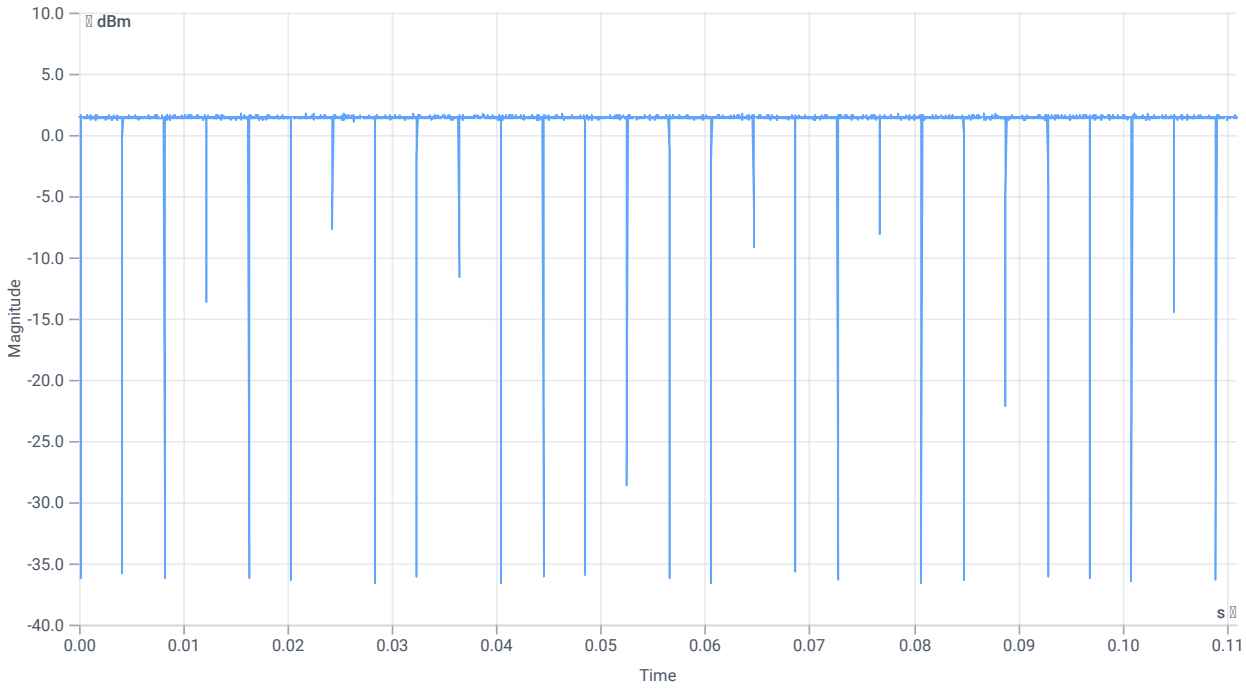
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.93	dBm	INFO
Ref. frequency	---	---	5537.430	MHz	INFO

Evaluation max. duty cycle

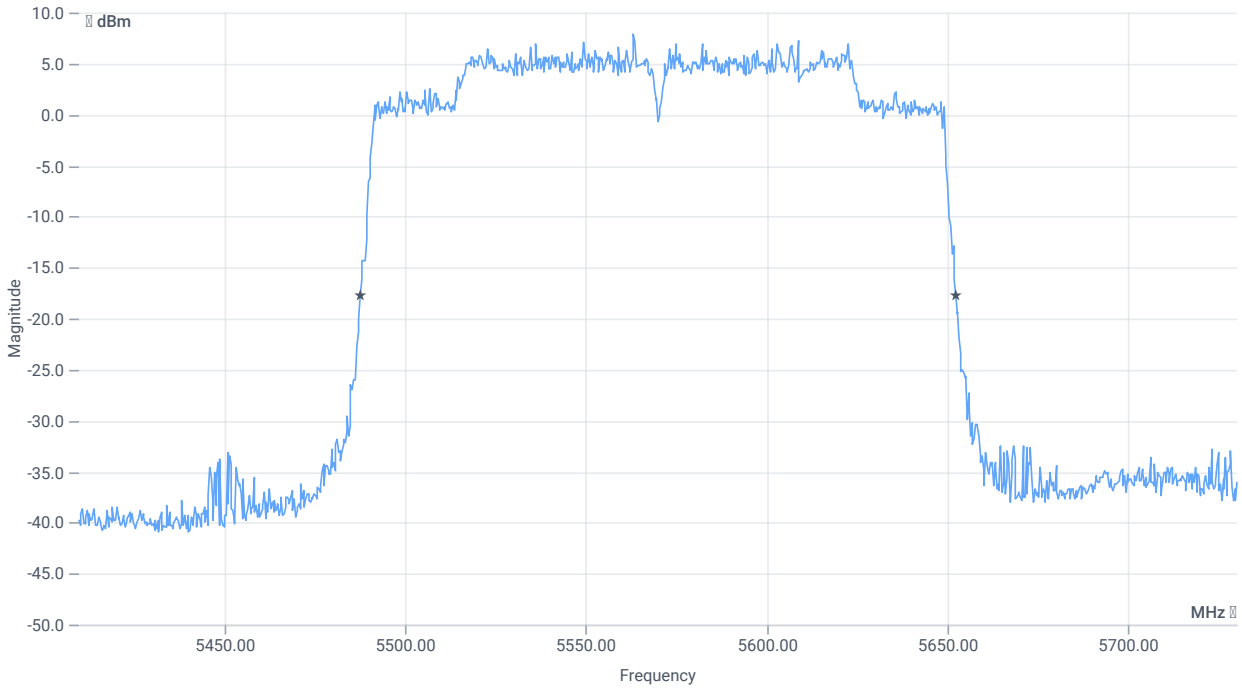
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

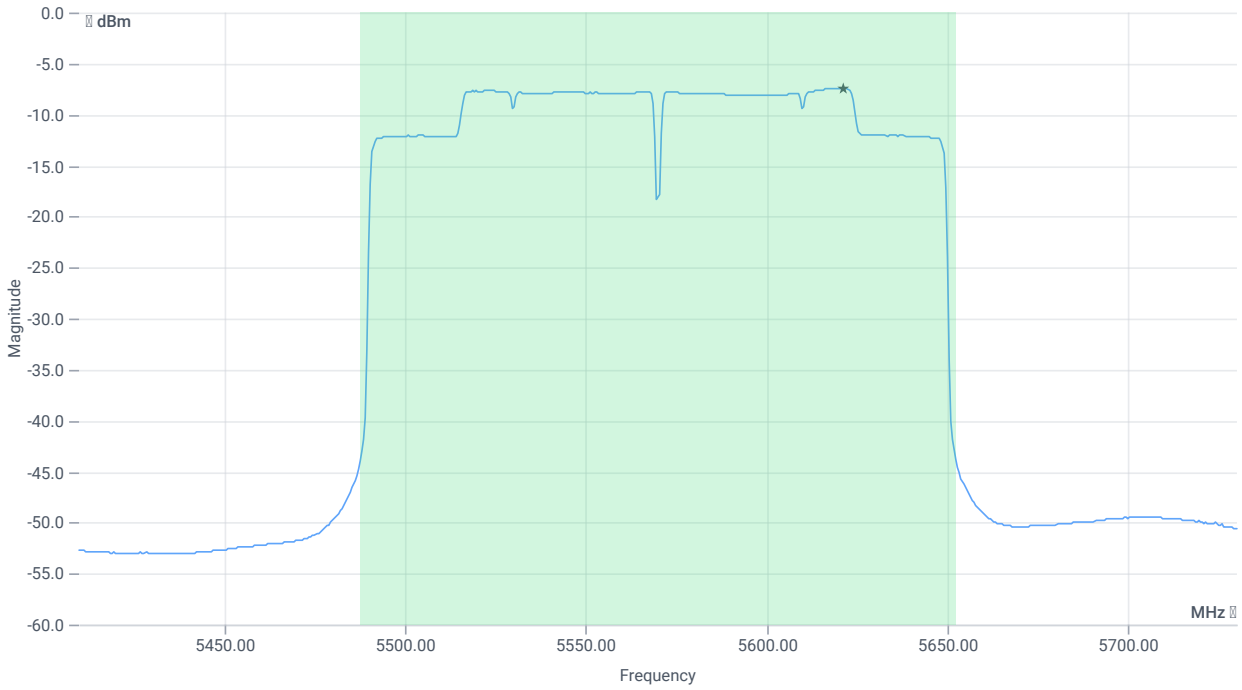
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	164.48	MHz	INFO
T1 26dB	---	---	5487.7600	MHz	INFO
T2 26dB	---	---	5652.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.93 | 11.39 | 20
Start [MHz] | Stop [MHz]	5410.000 | 5730.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	237000 | 1 | 640 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	12.81	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.9	dBm	PASS
LIMIT: 11 dBm + 10 log 164.48					
Max output power DC corrected cond	---	33.16	12.9	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	12.9	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-7.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-7.36	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:06:24
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5745 MHz

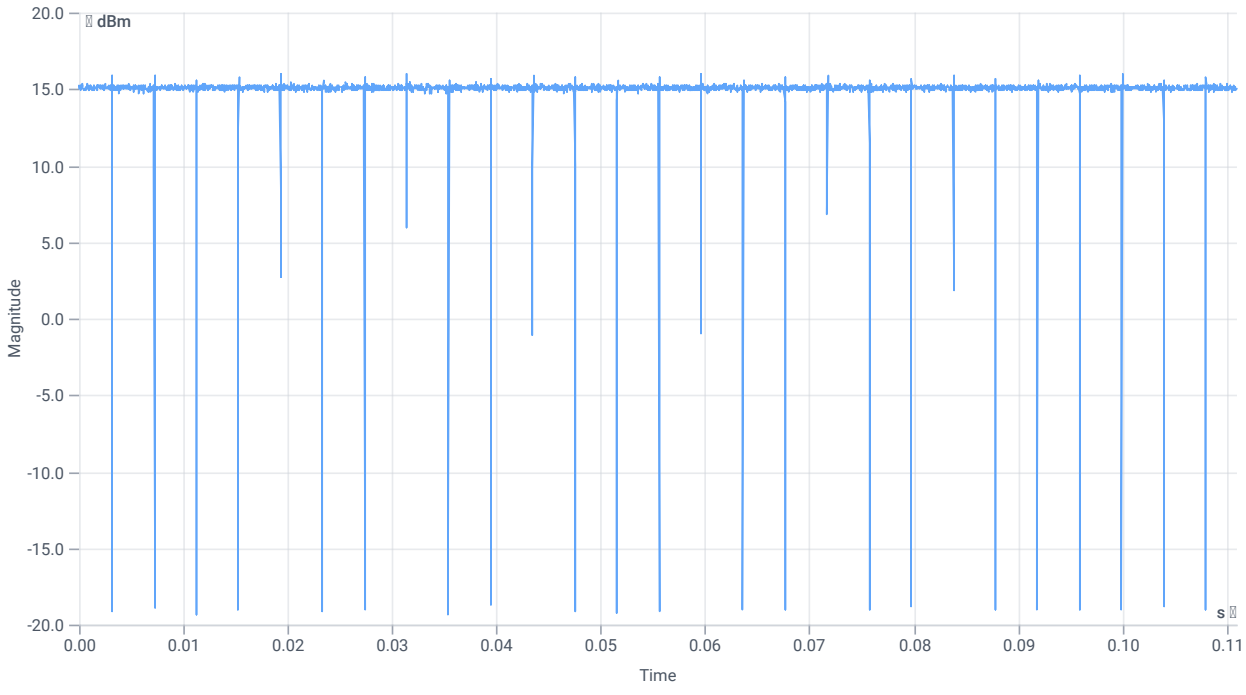
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.31	dBm	INFO
Ref. frequency	---	---	5742.200	MHz	INFO

Evaluation max. duty cycle

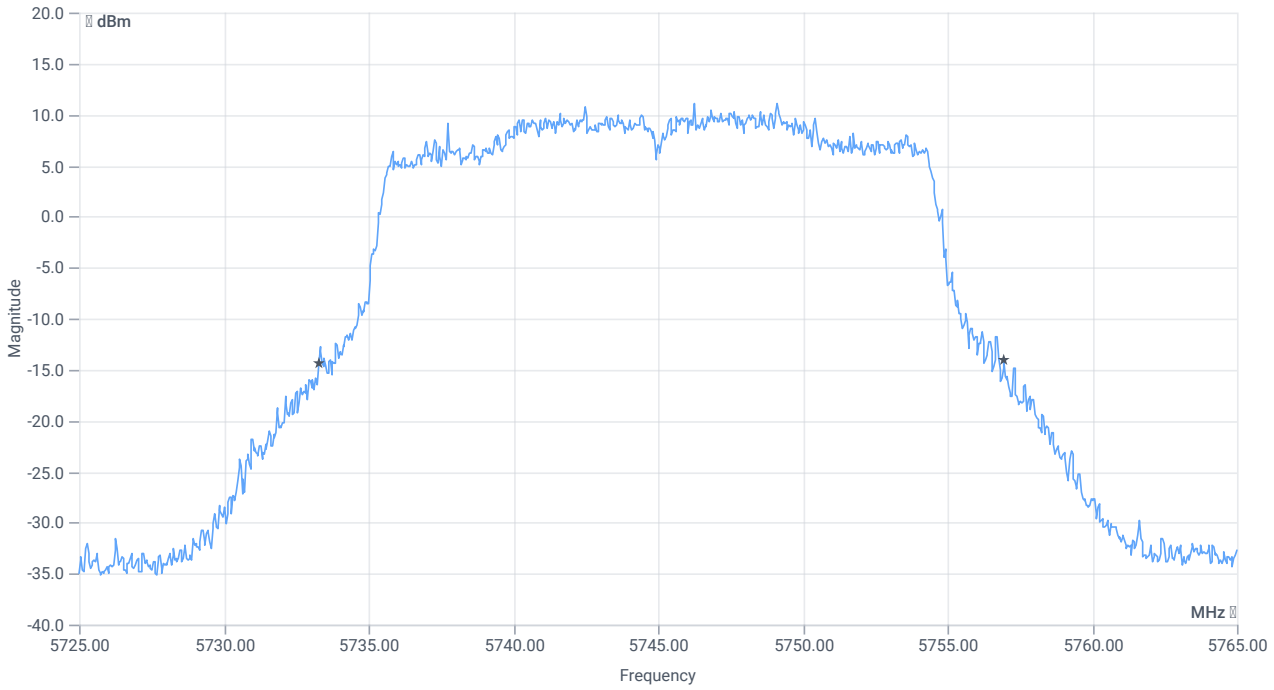
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

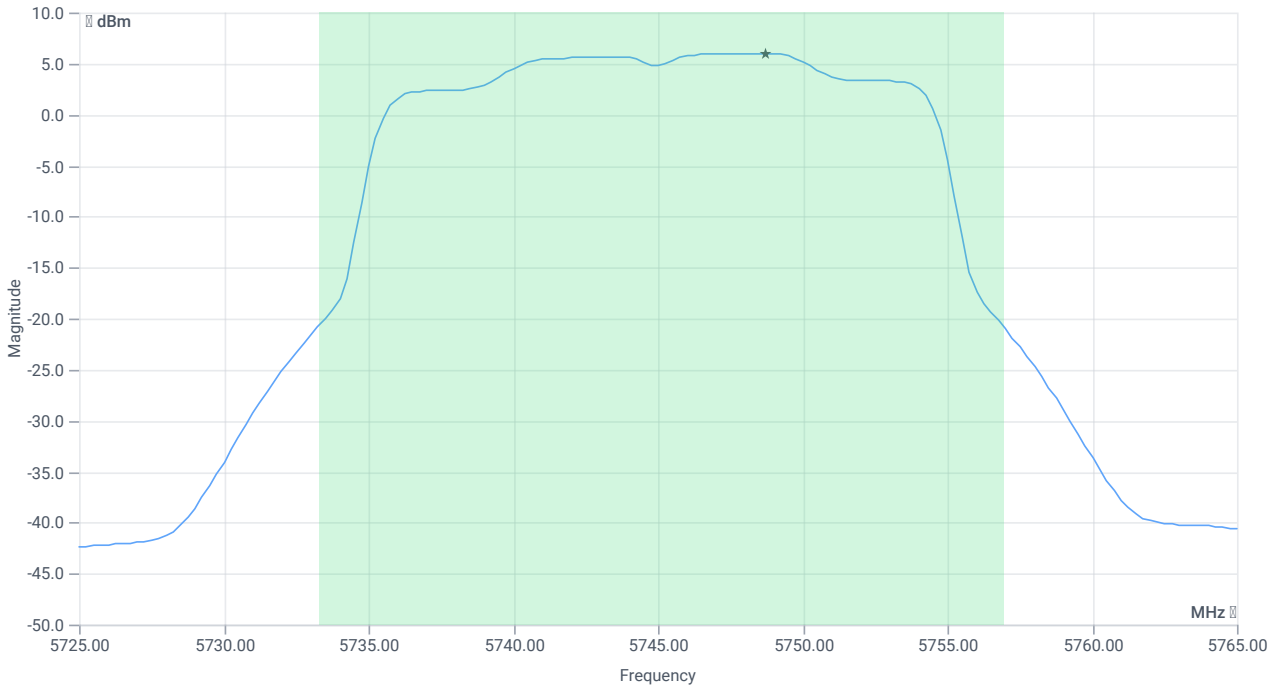
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.68	MHz	INFO
T1 26dB	---	---	5733.2800	MHz	INFO
T2 26dB	---	---	5756.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.31 | 11.39 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

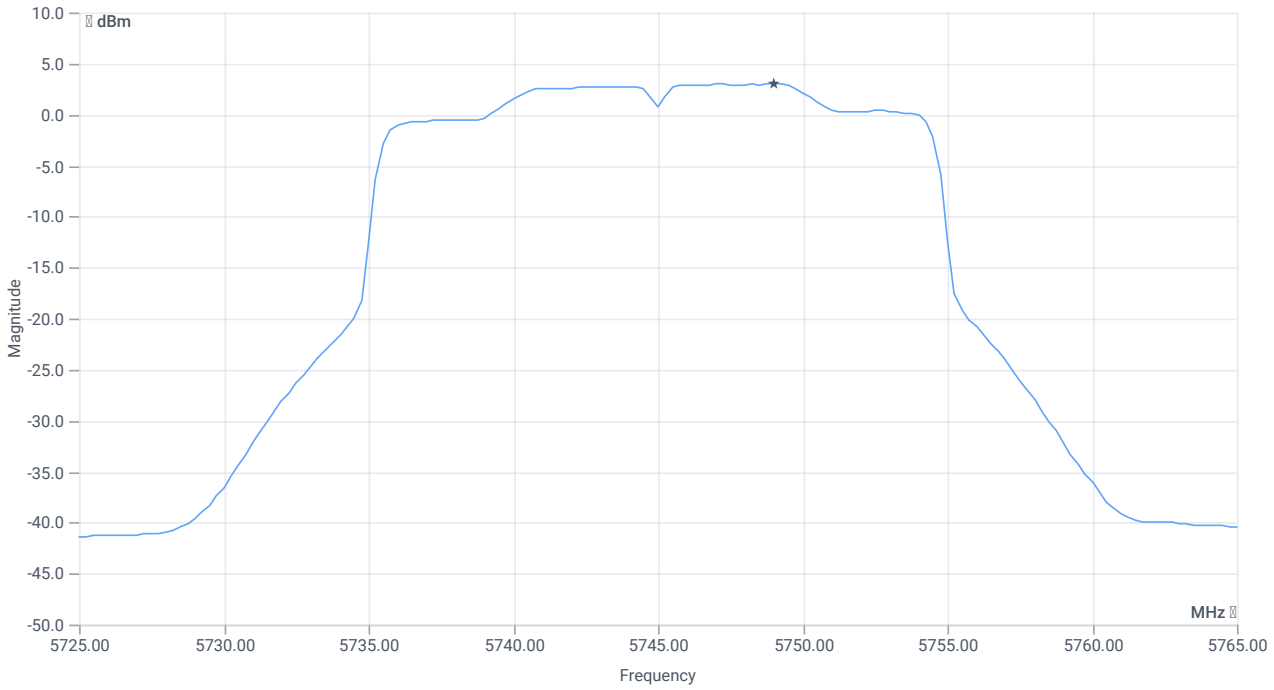
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.12	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.21	dBm	PASS
LIMIT: 11 dBm + 10 log 23.68					
Max output power DC corrected cond	---	24.74	17.21	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.31 | 11.39 | 35
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.99	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.08	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:09:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5745 MHz

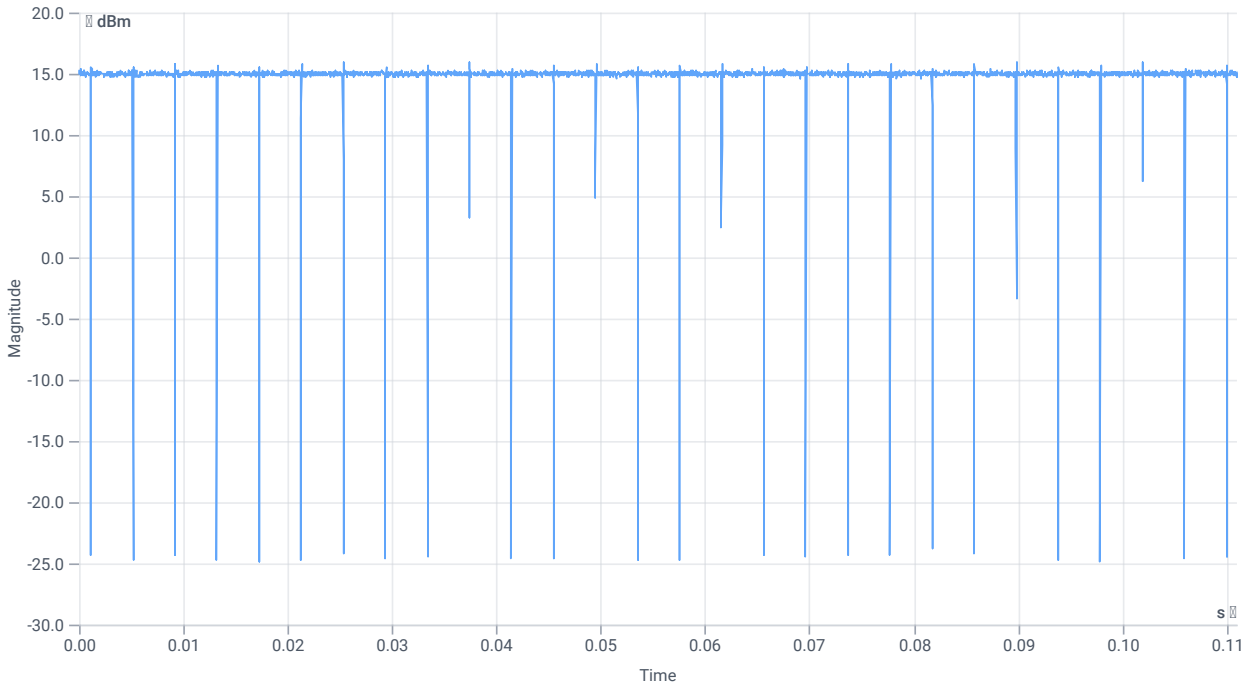
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.41	dBm	INFO
Ref. frequency	---	---	5739.010	MHz	INFO

Evaluation max. duty cycle

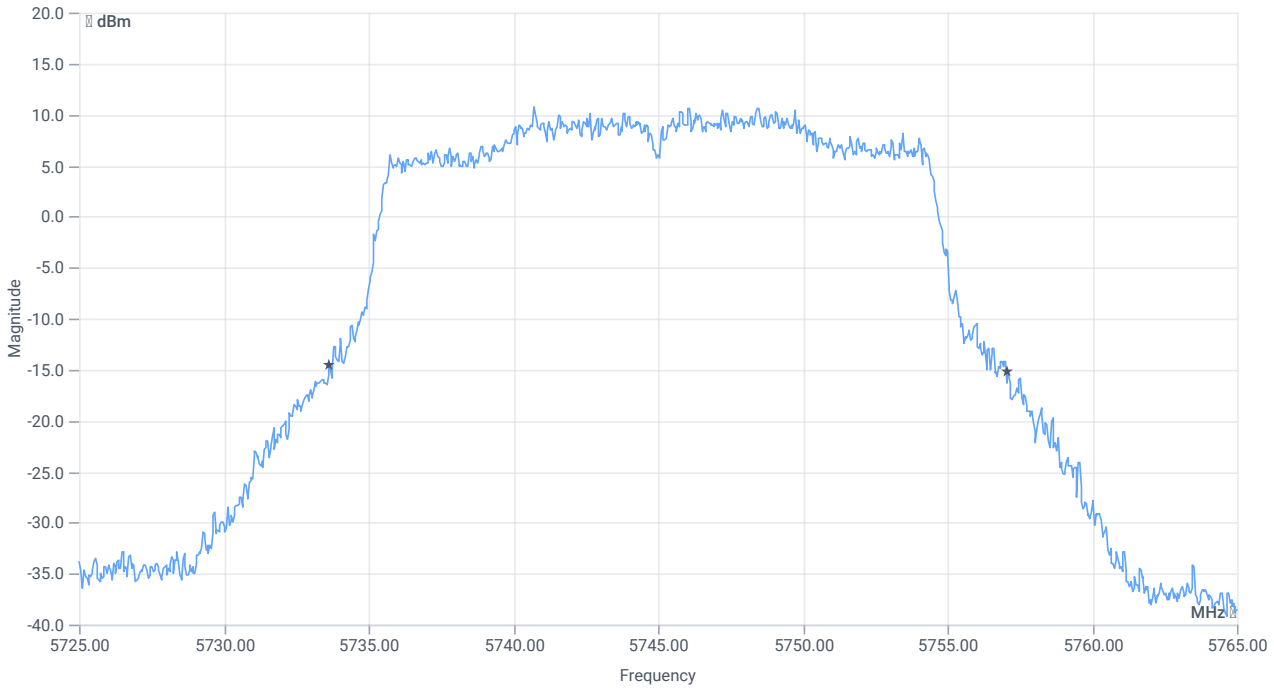
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

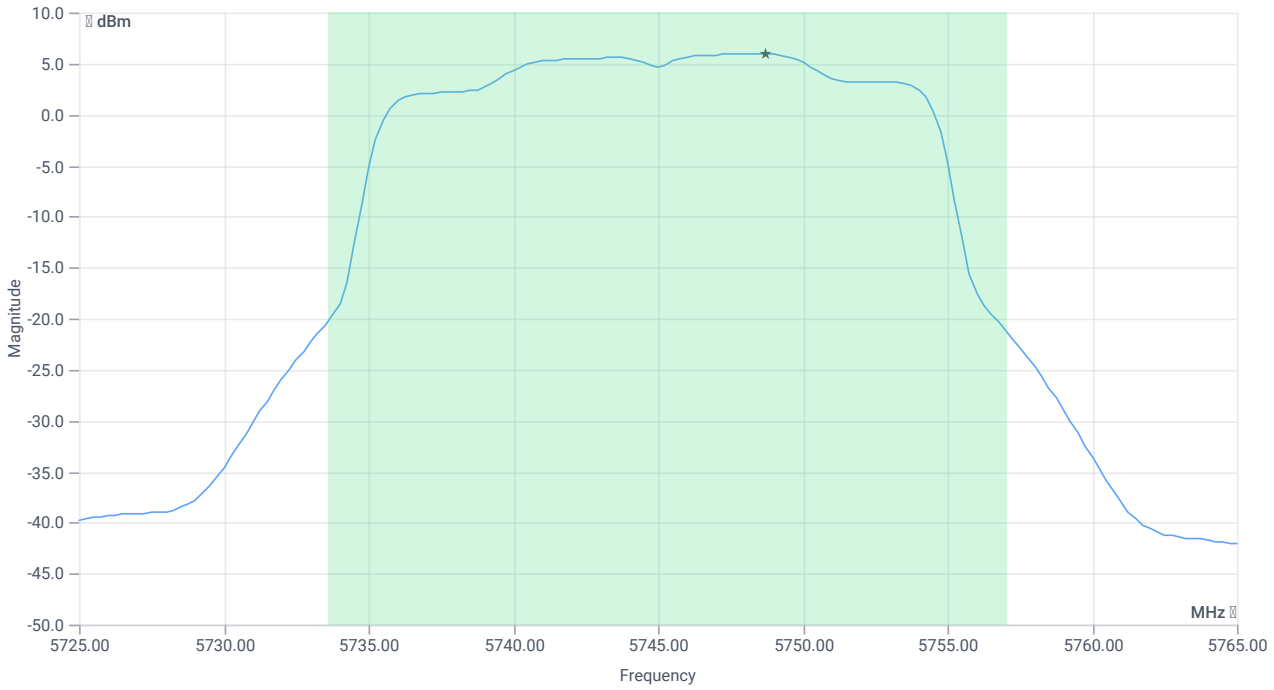
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.44	MHz	INFO
T1 26dB	---	---	5733.6400	MHz	INFO
T2 26dB	---	---	5757.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.41 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

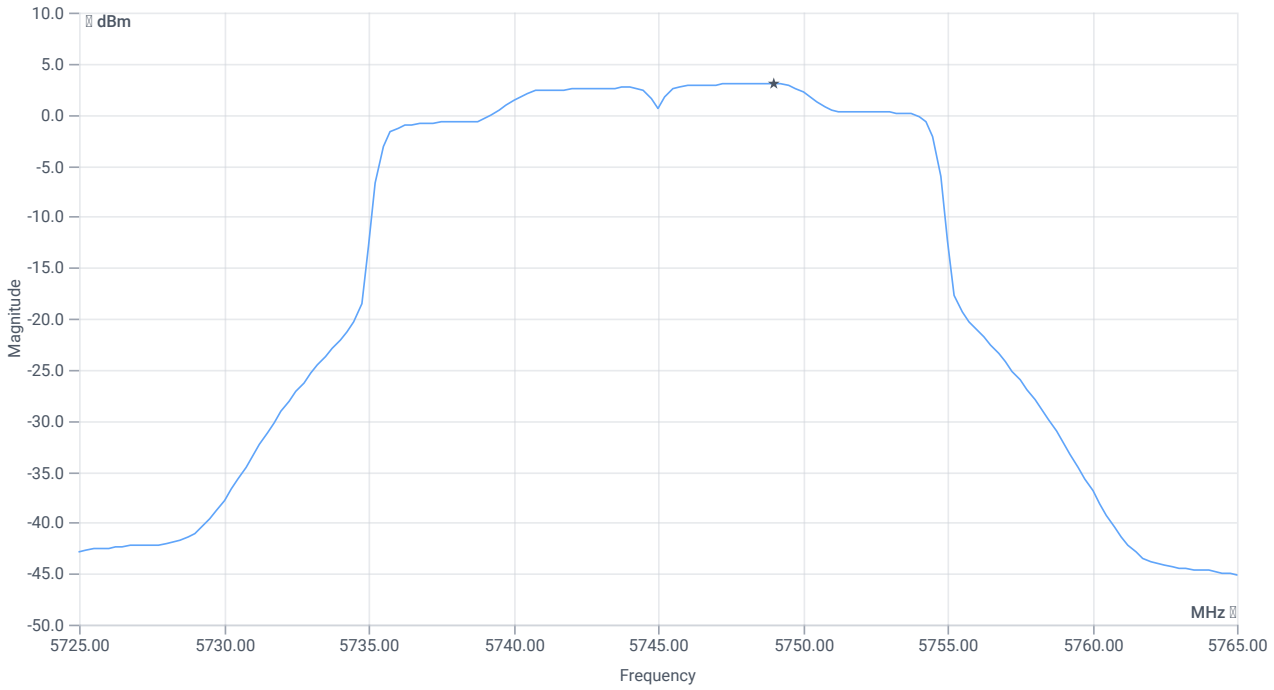
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.09	dBm	PASS
LIMIT: 11 dBm + 10 log 23.44					
Max output power DC corrected cond	---	24.7	17.09	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.41 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.02	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.11	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:18:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5785 MHz

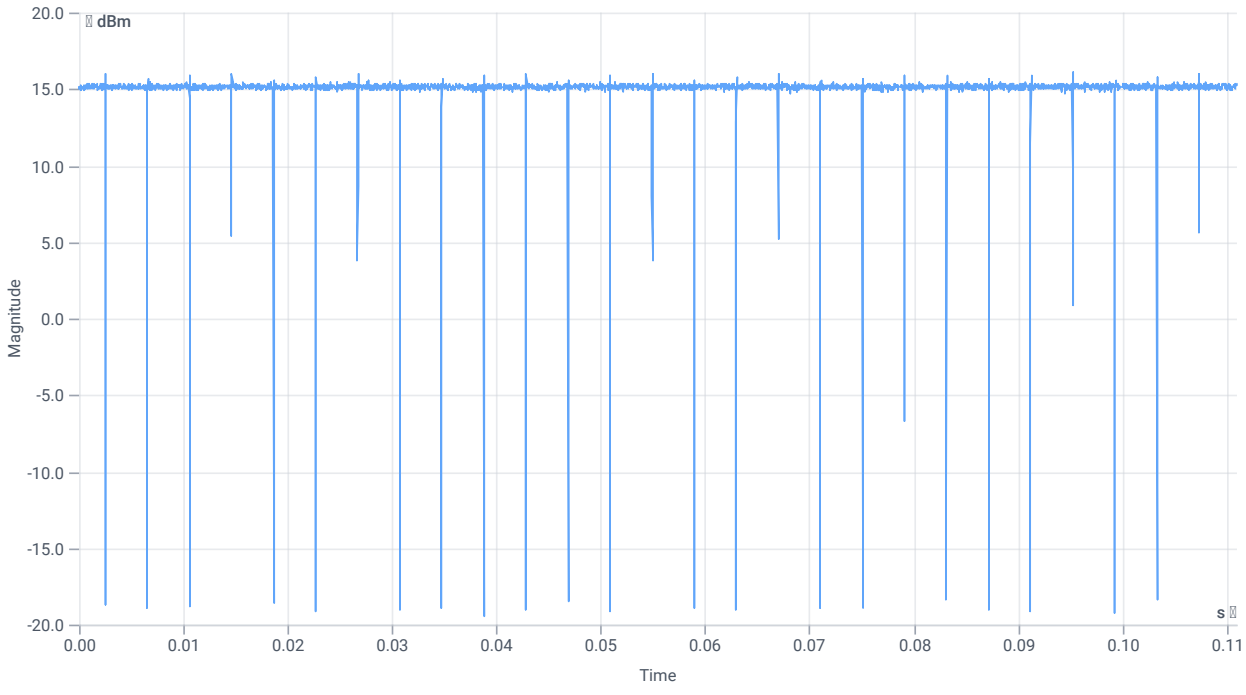
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.74	dBm	INFO
Ref. frequency	---	---	5781.600	MHz	INFO

Evaluation max. duty cycle

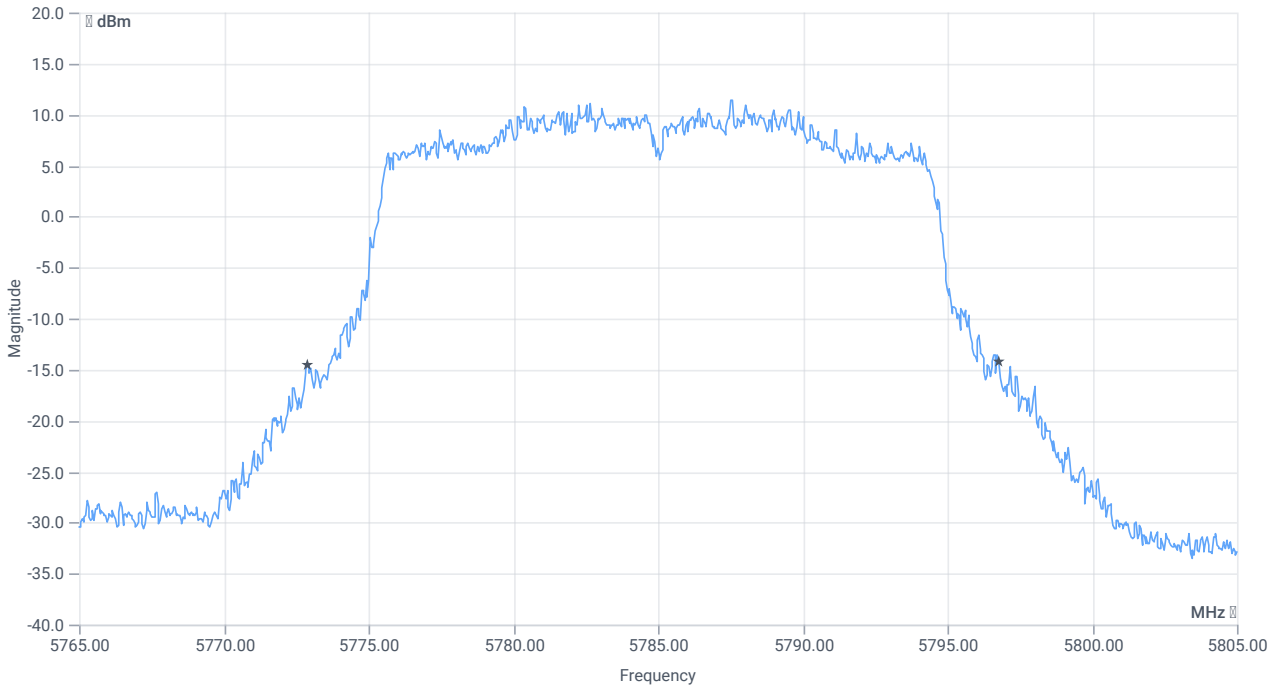
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

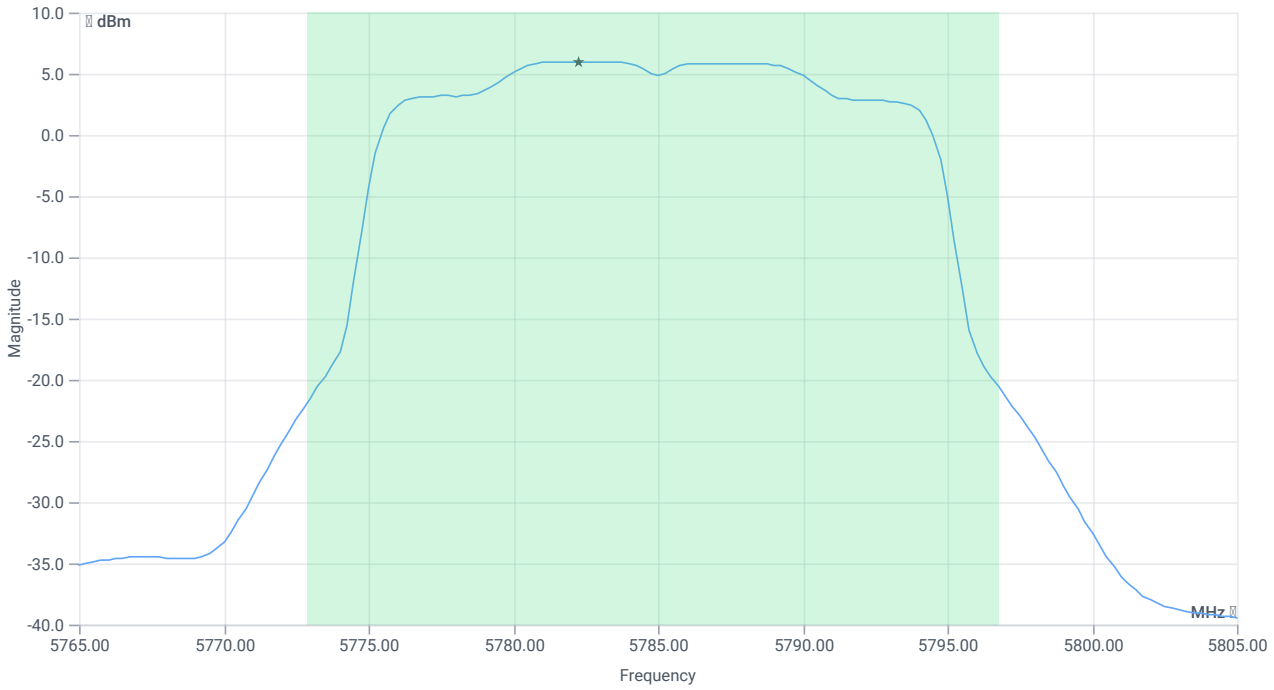
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5772.8800	MHz	INFO
T2 26dB	---	---	5796.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.74 | 11.37 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

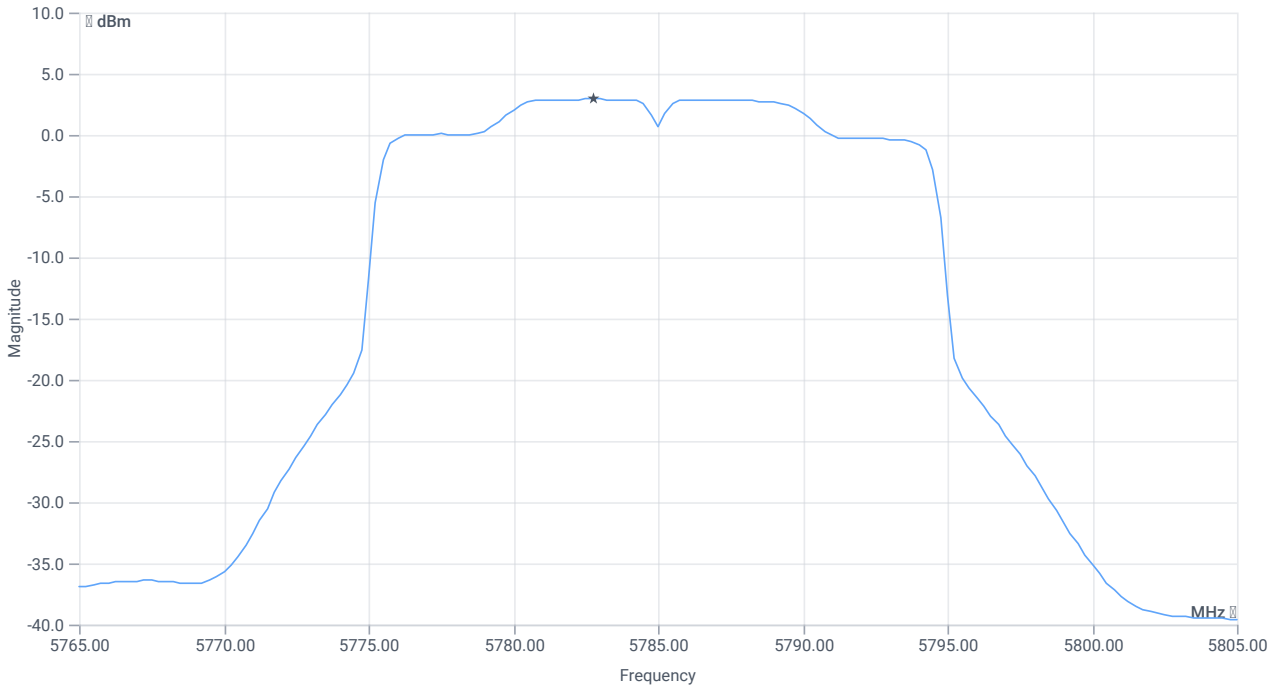
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.24	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.33	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	17.33	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.74 | 11.37 | 35
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.95	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.04	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:20:55
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5785 MHz

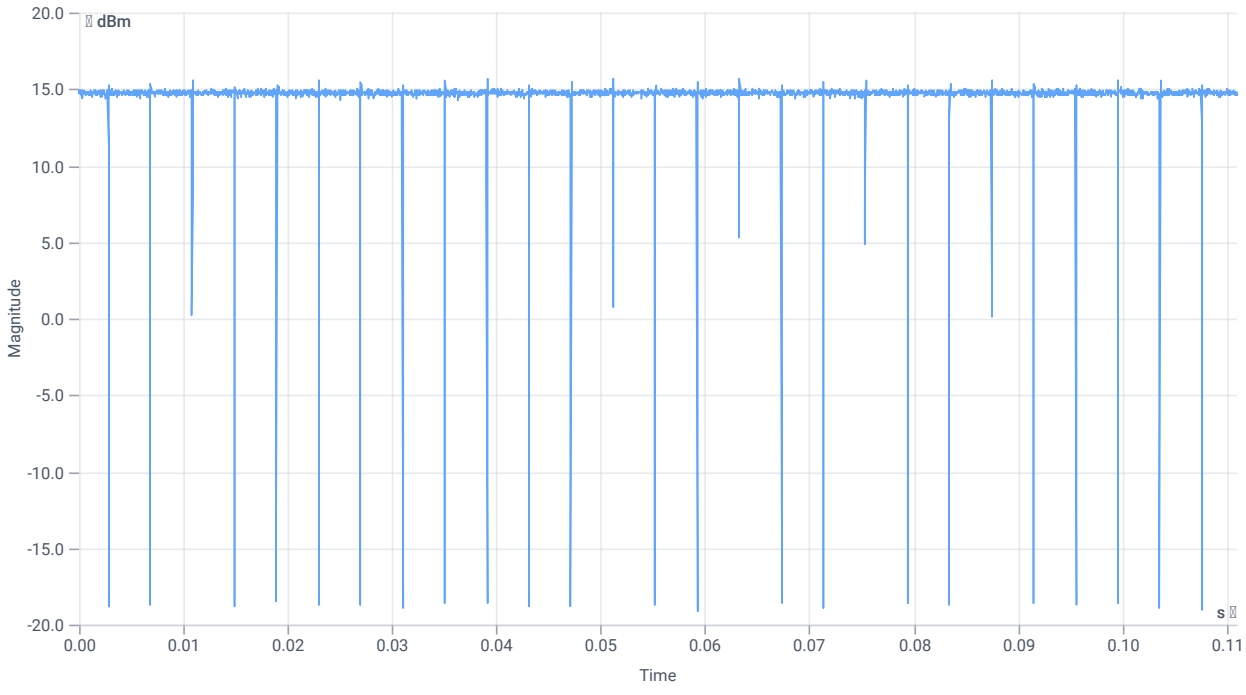
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.32	dBm	INFO
Ref. frequency	---	---	5781.000	MHz	INFO

Evaluation max. duty cycle

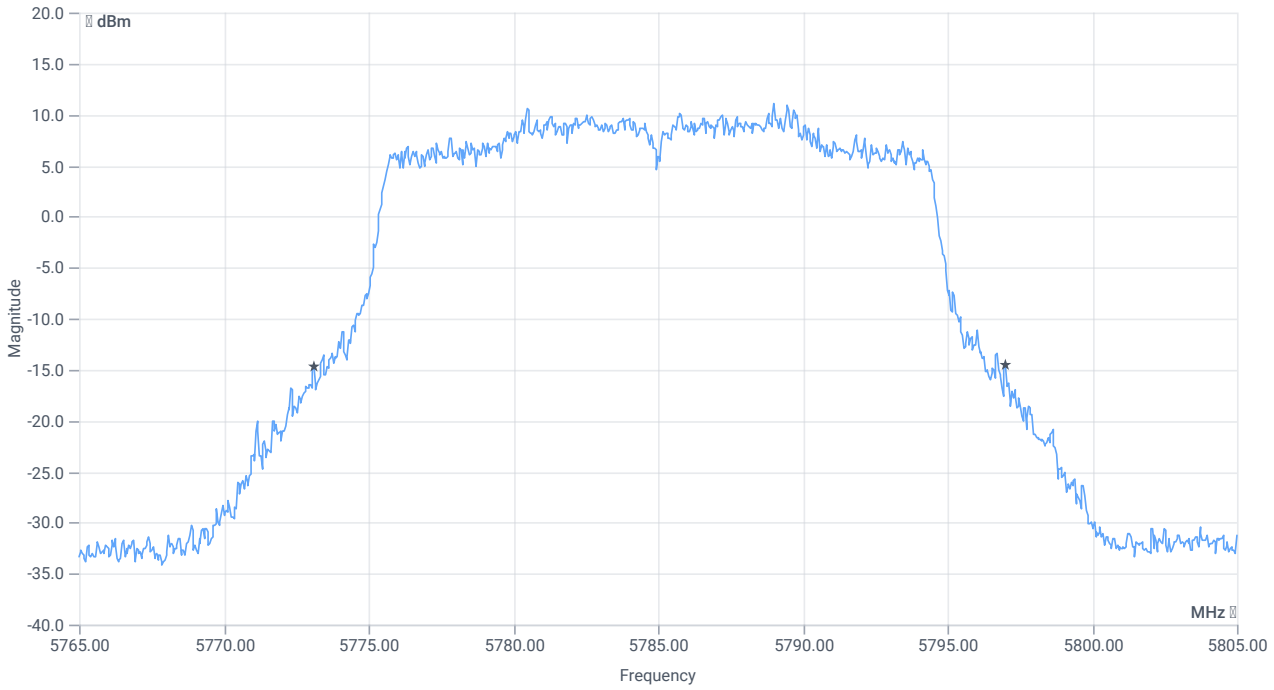
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

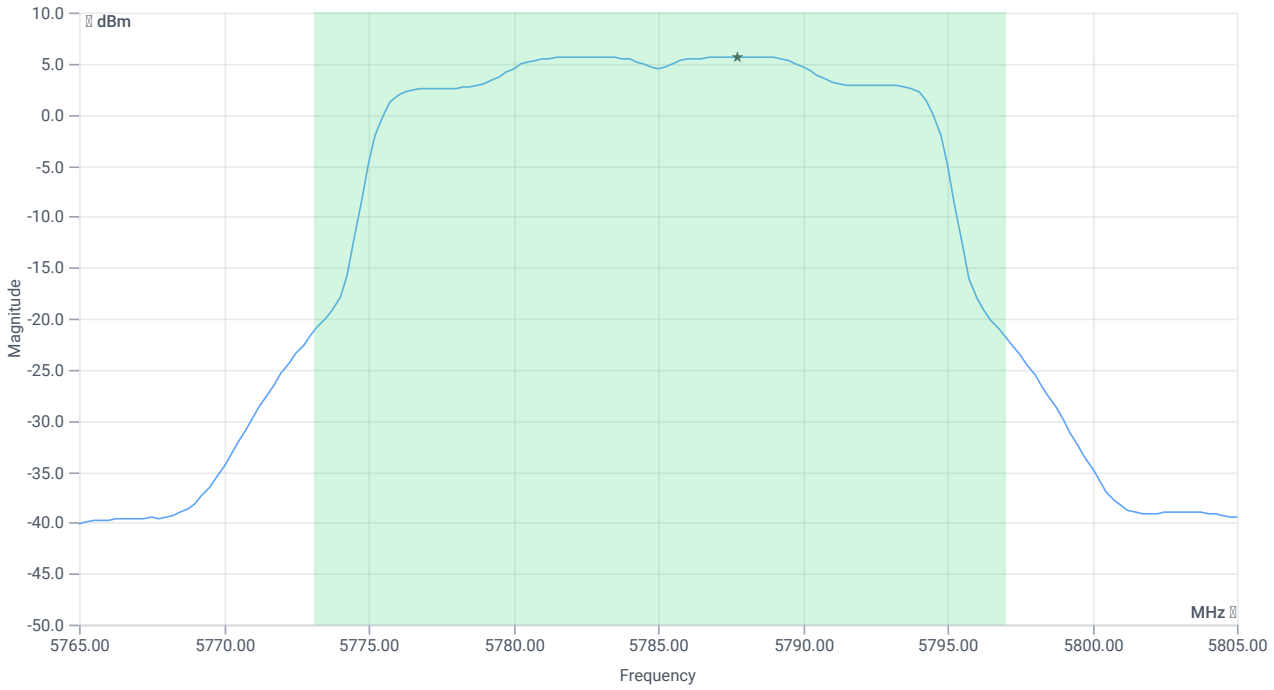
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5773.1200	MHz	INFO
T2 26dB	---	---	5797.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.32 | 11.4 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

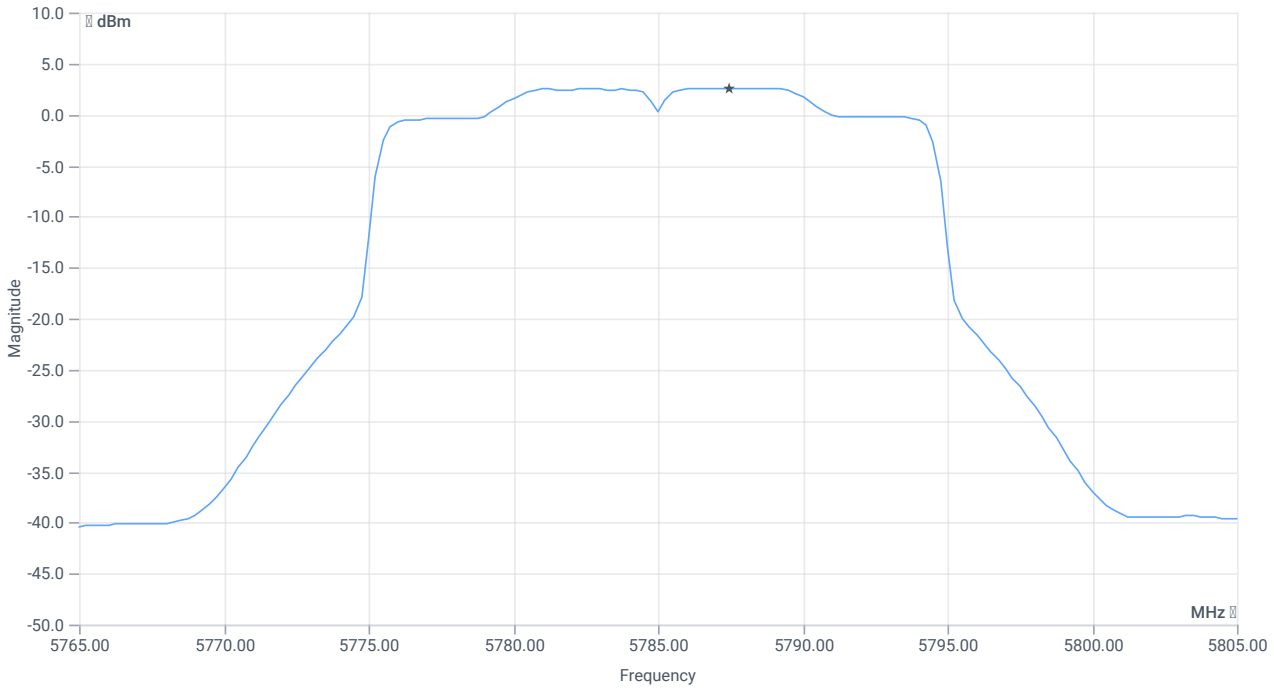
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.91	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	17	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.32 | 11.4 | 35
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.56	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	2.65	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:24:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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 5825 MHz

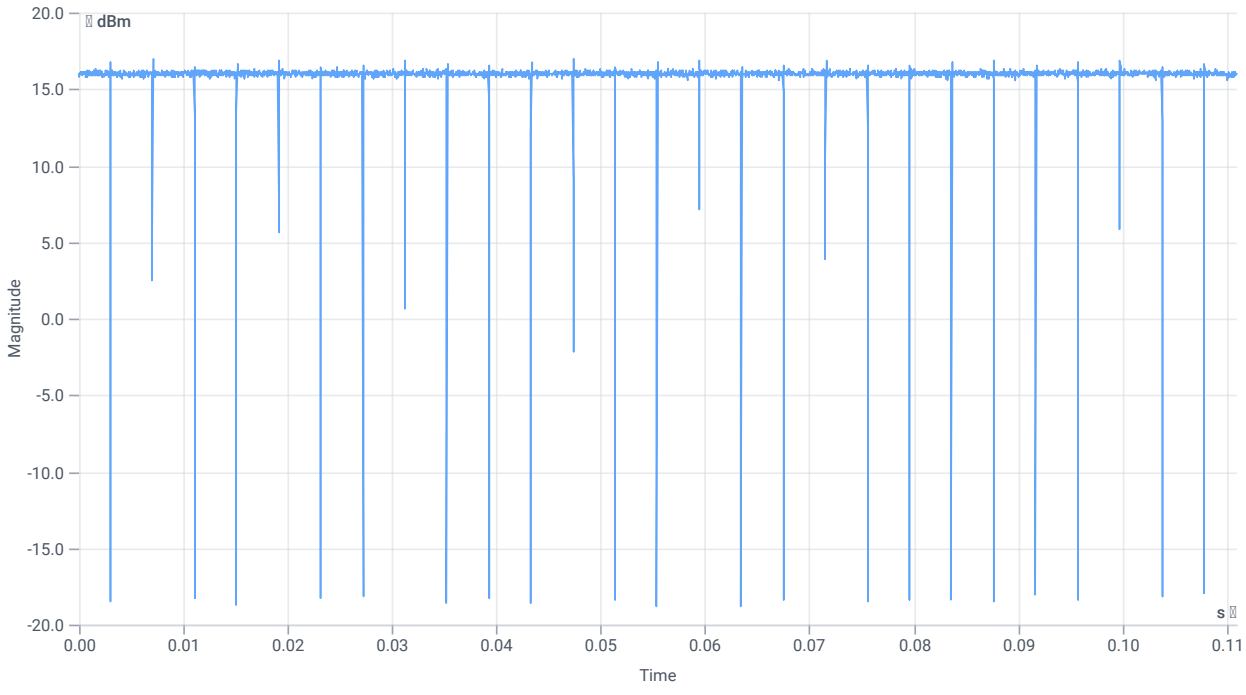
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.70	dBm	INFO
Ref. frequency	---	---	5826.600	MHz	INFO

Evaluation max. duty cycle

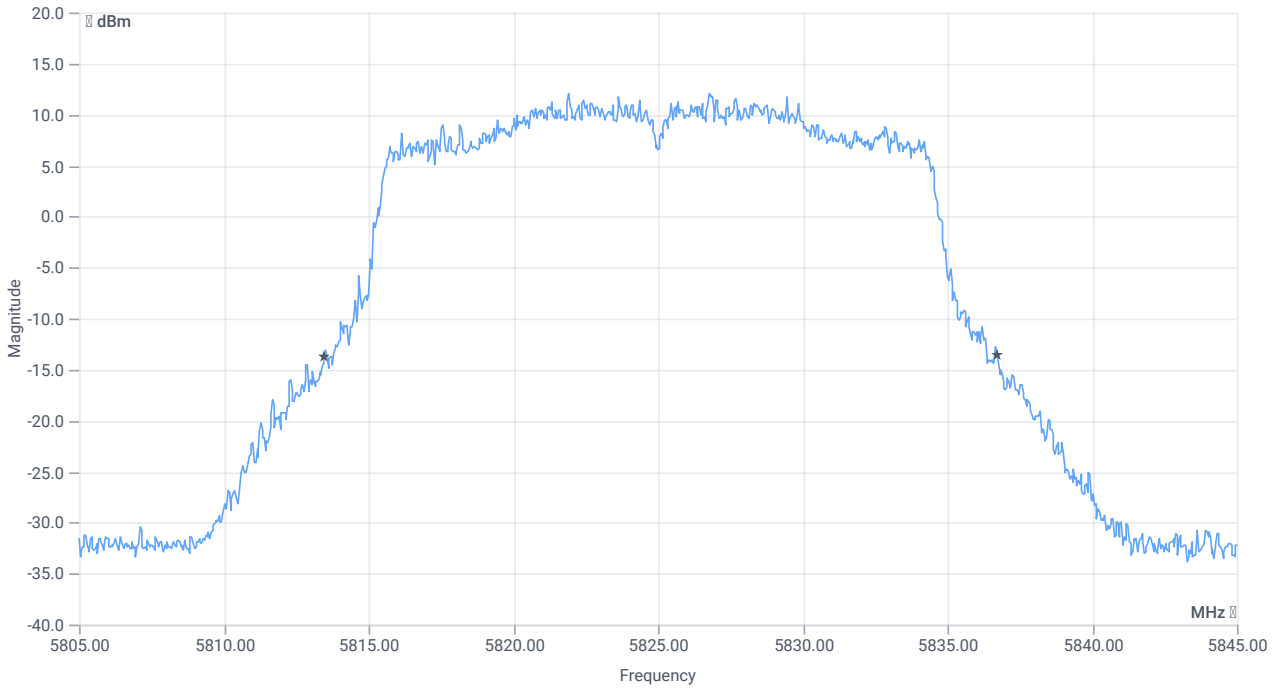
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

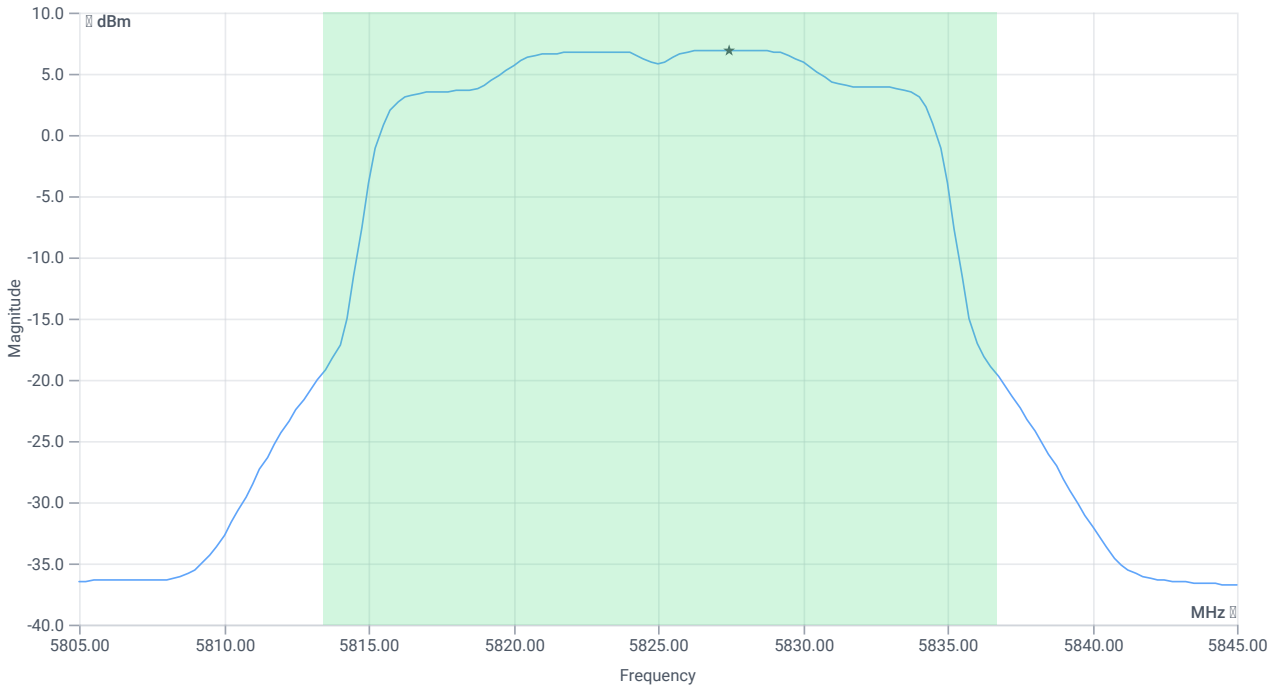
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.24	MHz	INFO
T1 26dB	---	---	5813.4800	MHz	INFO
T2 26dB	---	---	5836.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.70 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

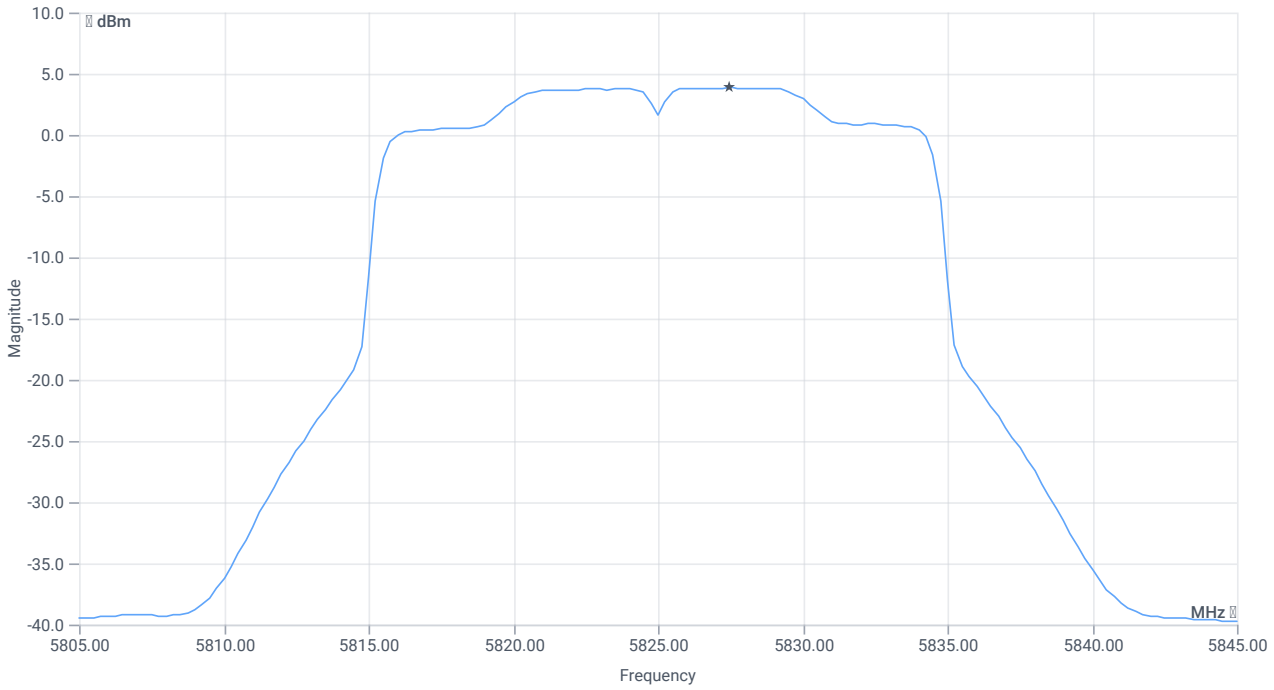
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	18.08	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	18.17	dBm	PASS
LIMIT: 11 dBm + 10 log 23.24					
Max output power DC corrected cond	---	24.66	18.17	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.70 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.86	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.95	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	07.05.2026 16:27:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5825 MHz

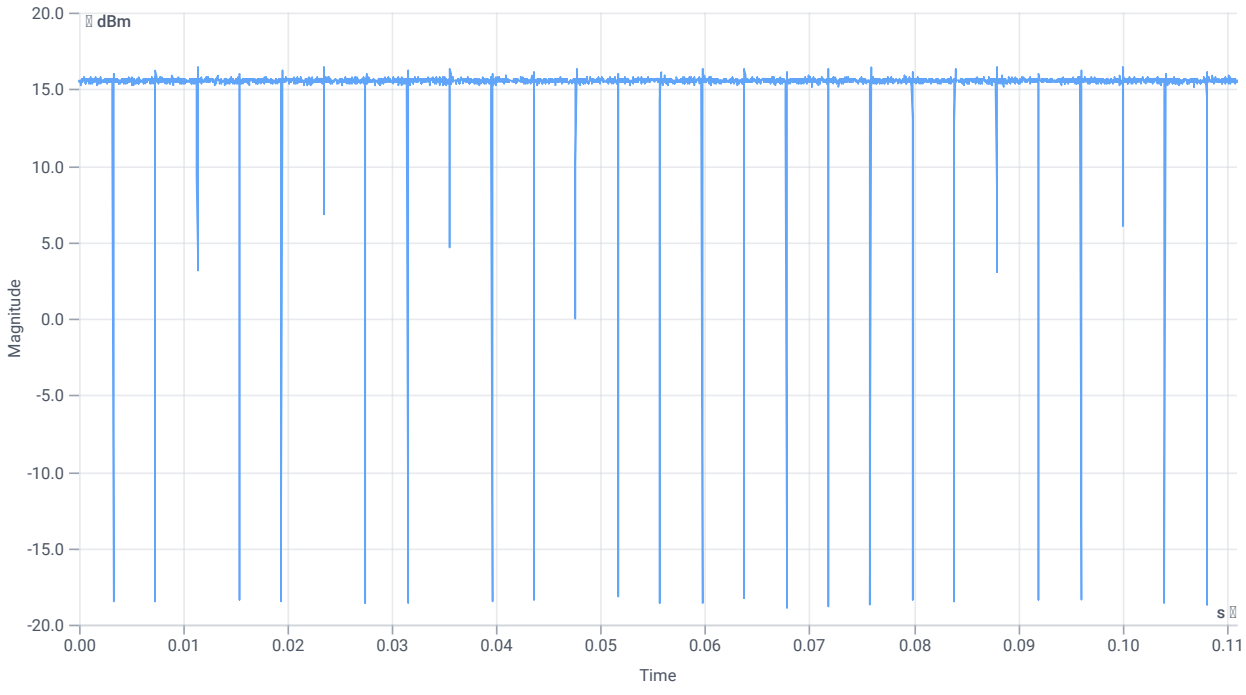
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.61	dBm	INFO
Ref. frequency	---	---	5820.200	MHz	INFO

Evaluation max. duty cycle

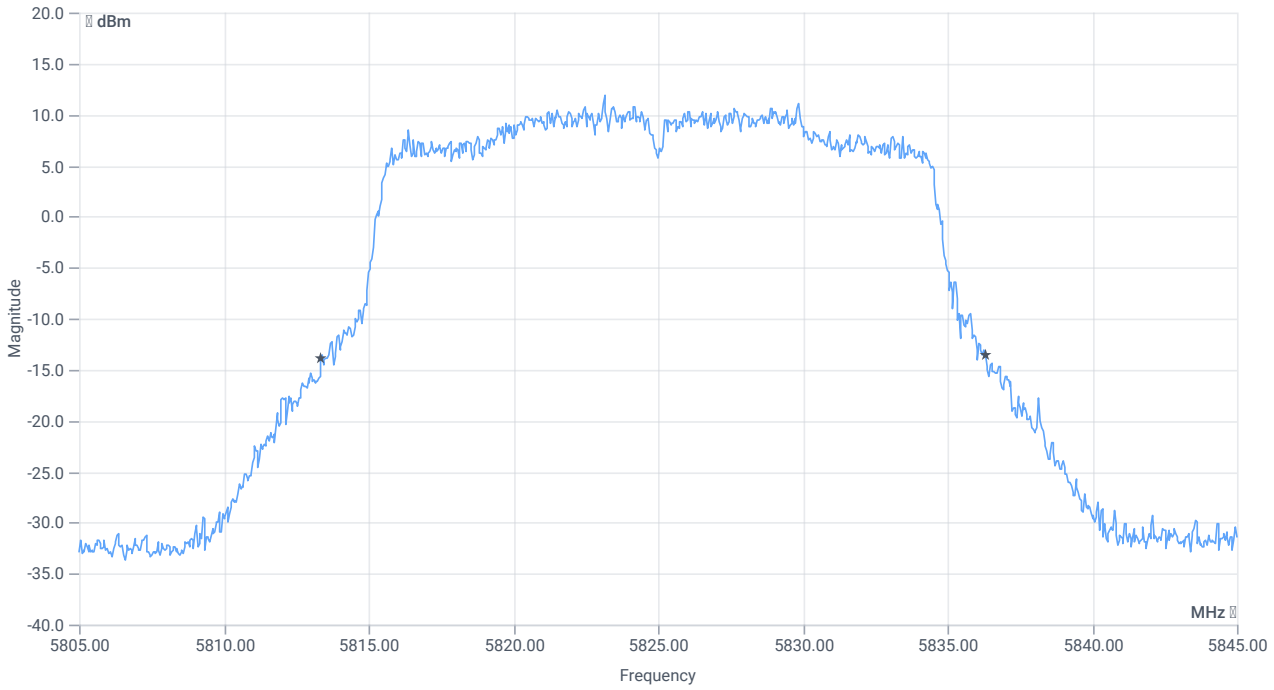
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

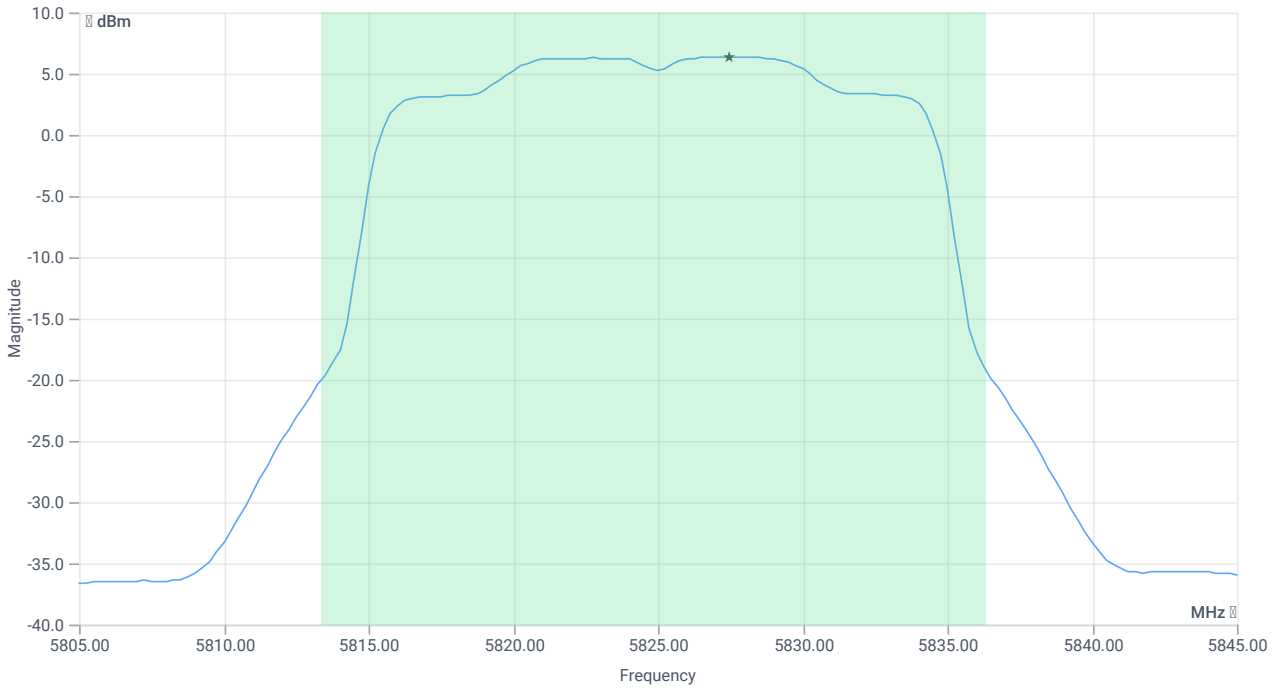
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.96	MHz	INFO
T1 26dB	---	---	5813.3600	MHz	INFO
T2 26dB	---	---	5836.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.61 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

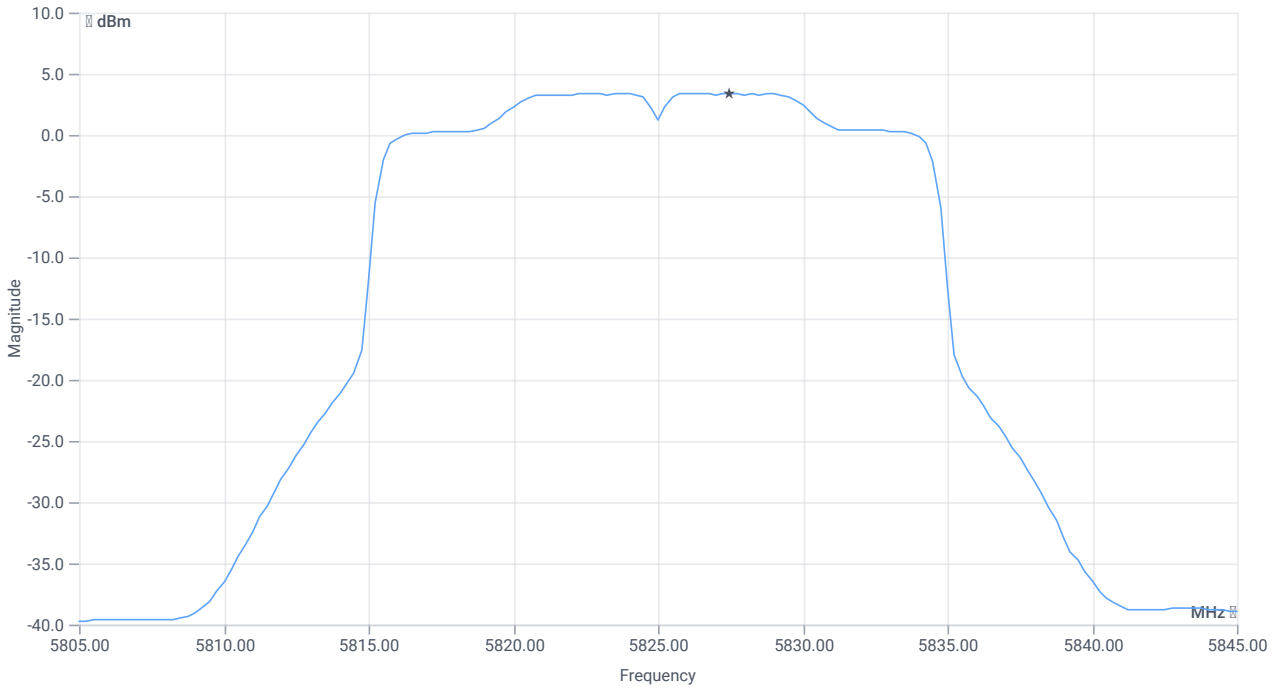
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.57	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.66	dBm	PASS
LIMIT: 11 dBm + 10 log 22.96					
Max output power DC corrected cond	---	24.61	17.66	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.61 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.4	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.49	dBm/0.5MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:18:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5180 MHz

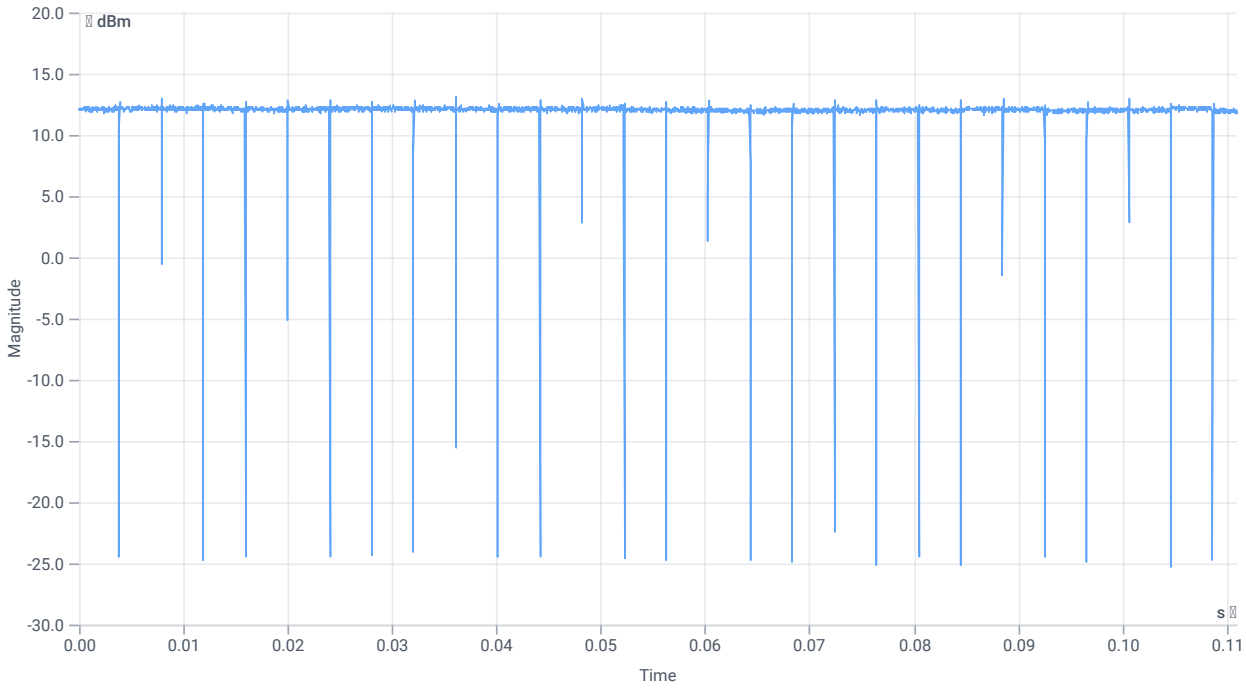
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.03	dBm	INFO
Ref. frequency	---	---	5179.600	MHz	INFO

Evaluation max. duty cycle

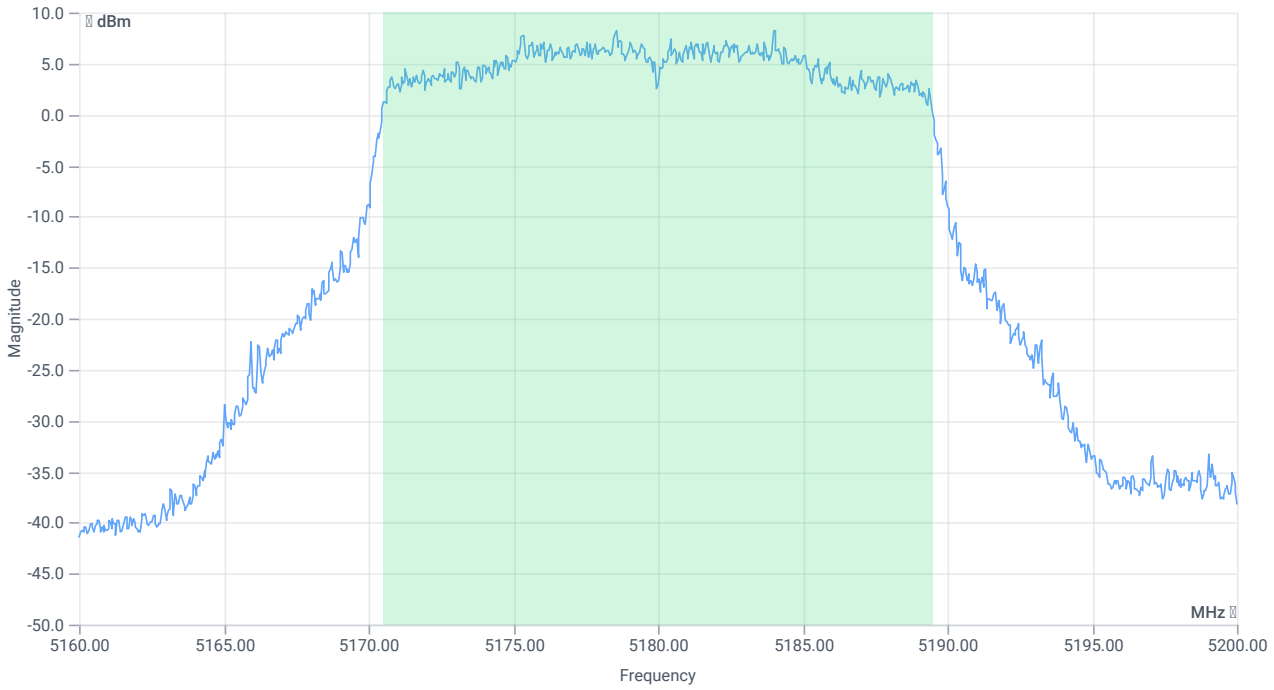
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.981	MHz	INFO
T1 99%	---	---	5170.4895	MHz	INFO
T2 99%	---	---	5189.4705	MHz	INFO

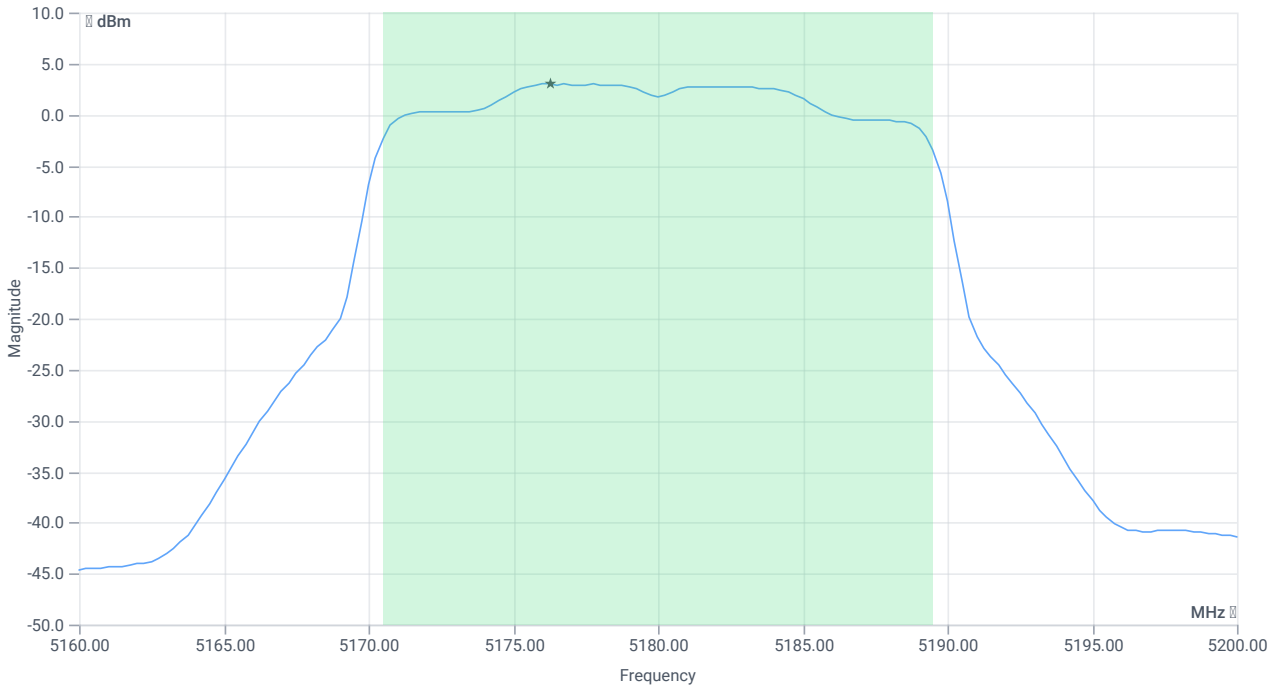
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5180 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.03 | 11.48 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	14.07	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	14.16	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	14.16	dBm	PASS
LIMIT: 10 dBm + 10 log 18.981					
Max output power DC corrected eirp	---	22.78	14.16	dBm	PASS
Power spectral density eirp	---		2.97	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	3.06	dBm/1MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:21:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5180 MHz

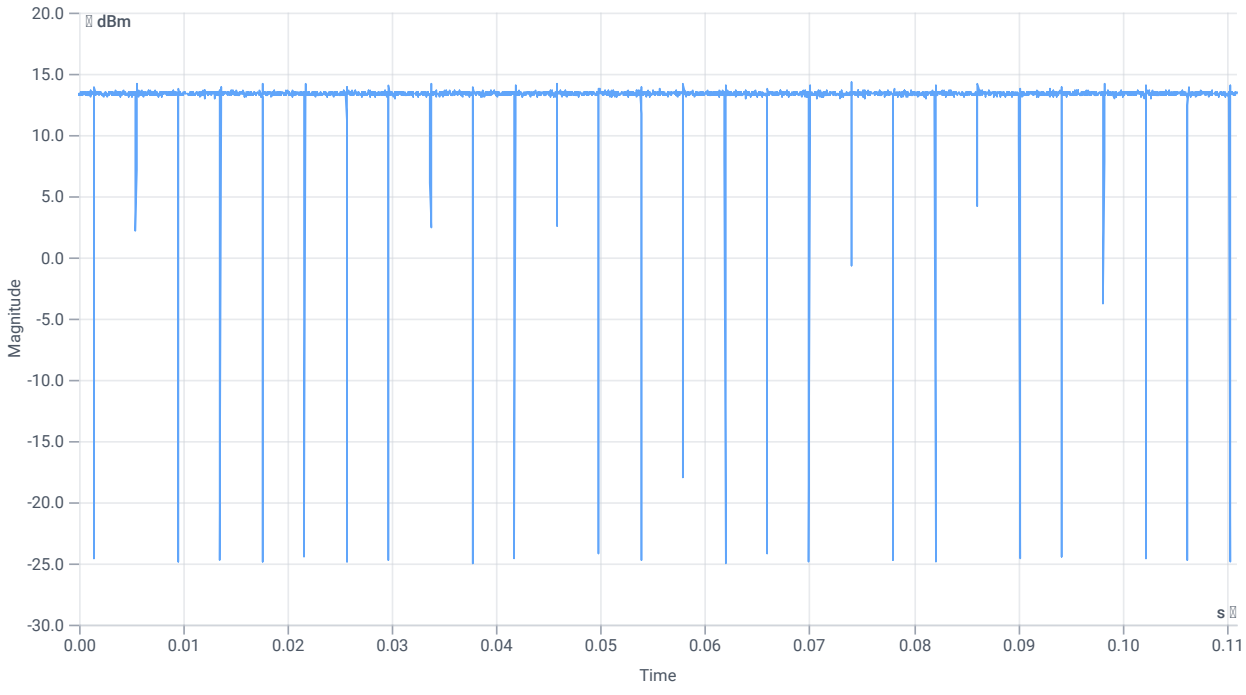
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.19	dBm	INFO
Ref. frequency	---	---	5181.000	MHz	INFO

Evaluation max. duty cycle

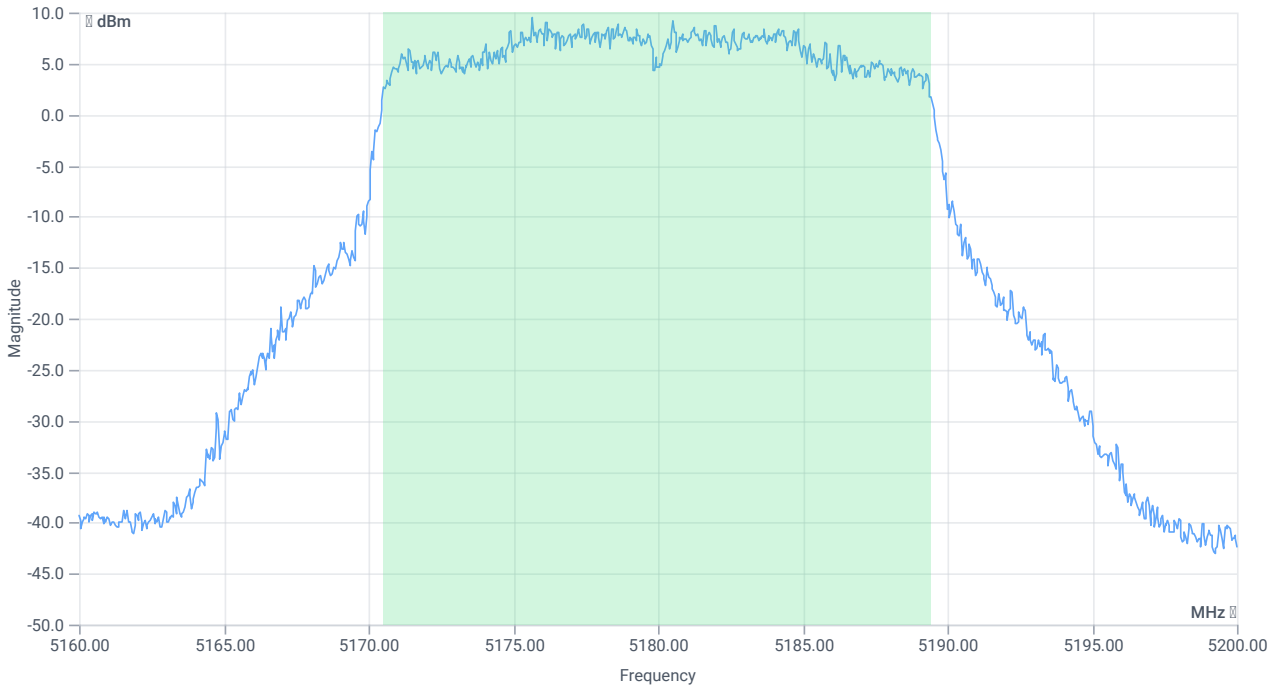
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.941	MHz	INFO
T1 99%	---	---	5170.4895	MHz	INFO
T2 99%	---	---	5189.4306	MHz	INFO

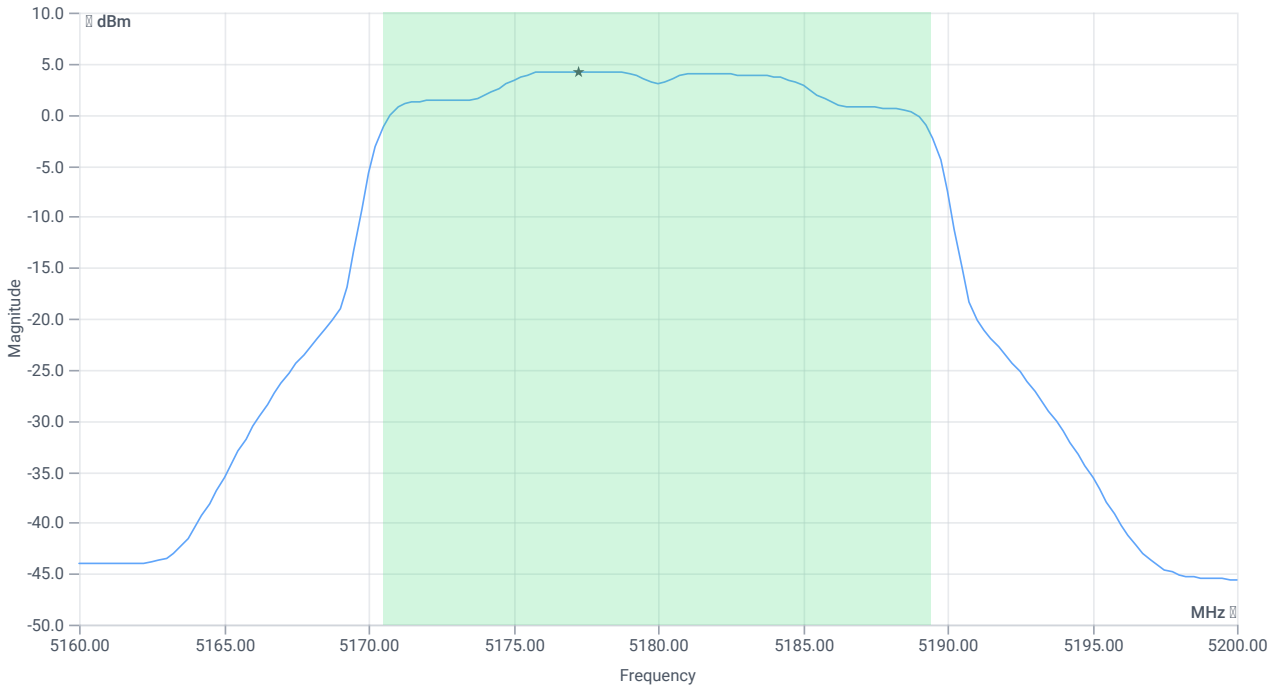
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5180 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.19 | 11.46 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	15.29	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	15.38	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	15.38	dBm	PASS
LIMIT: 10 dBm + 10 log 18.941					
Max output power DC corrected eirp	---	22.77	15.38	dBm	PASS
Power spectral density eirp	---		4.22	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	4.31	dBm/1MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:23:53
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5200 MHz

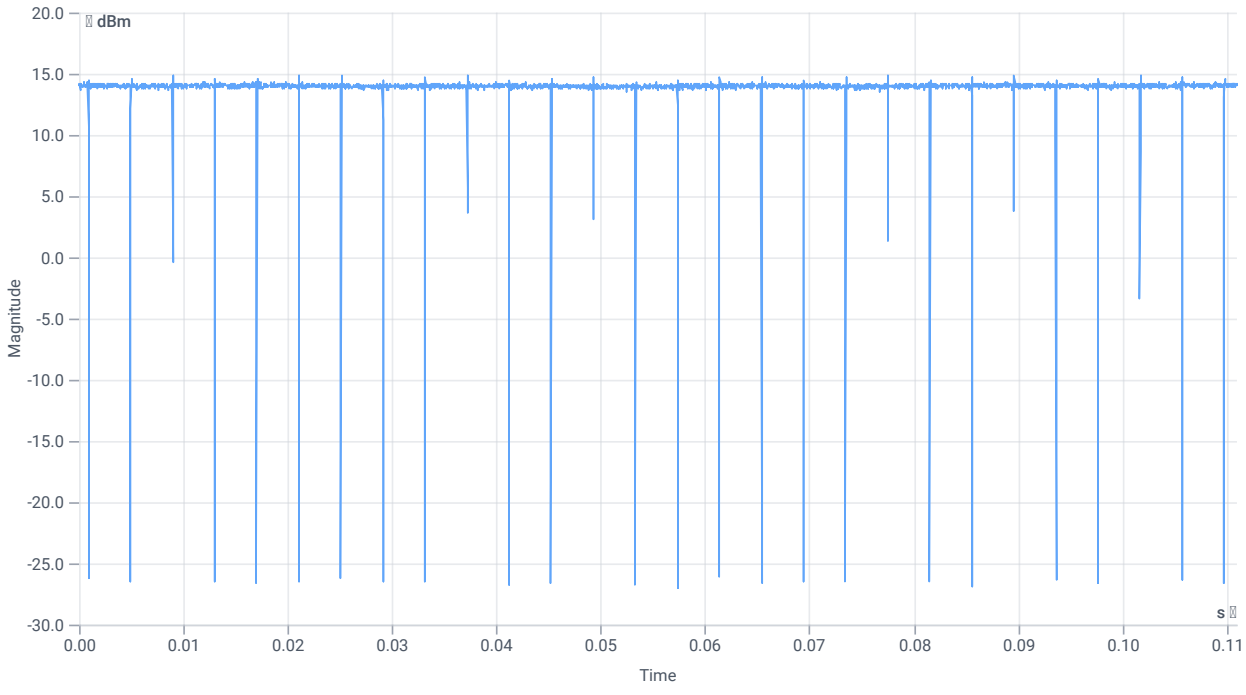
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.68	dBm	INFO
Ref. frequency	---	---	5201.200	MHz	INFO

Evaluation max. duty cycle

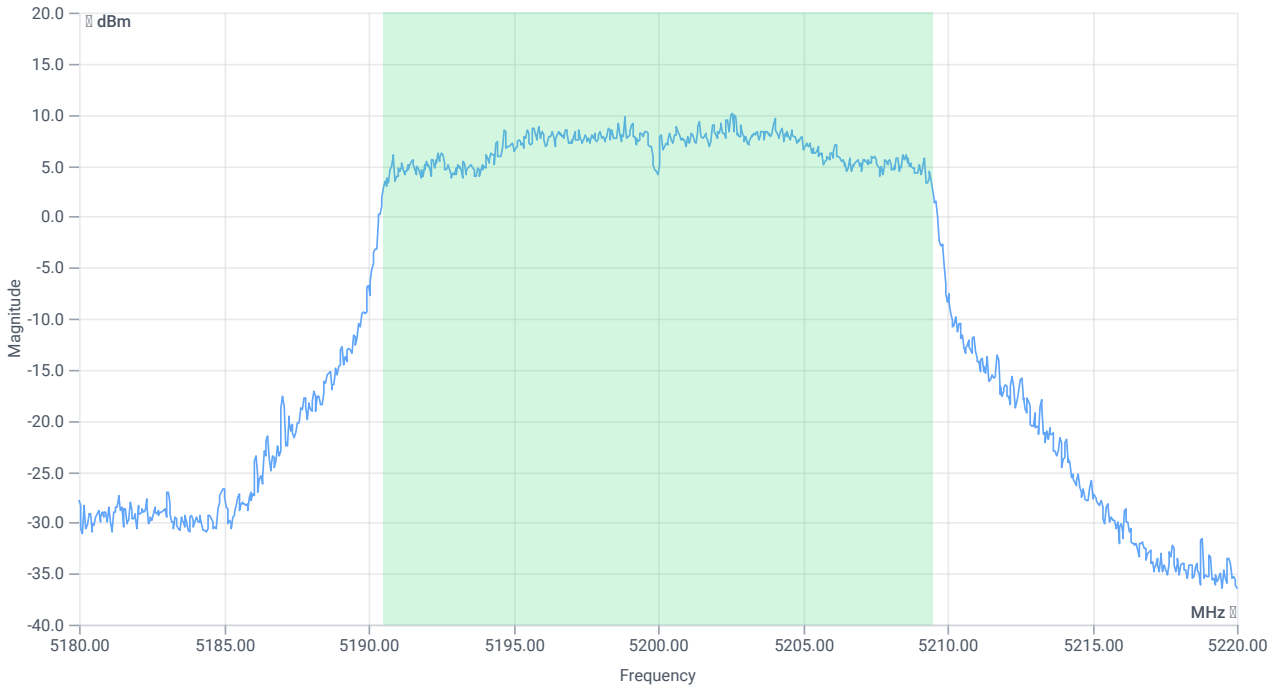
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.981	MHz	INFO
T1 99%	---	---	5190.5295	MHz	INFO
T2 99%	---	---	5209.5105	MHz	INFO

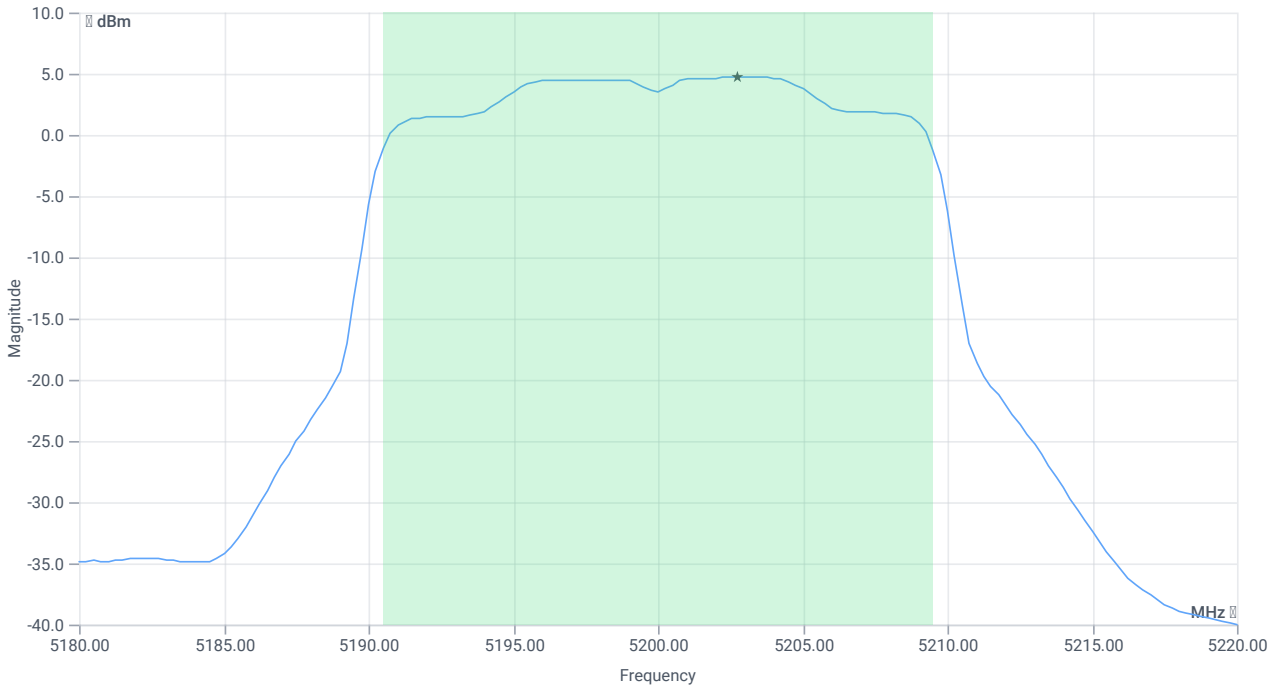
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5200 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.68 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	15.84	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	15.93	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	15.93	dBm	PASS
LIMIT: 10 dBm + 10 log 18.981					
Max output power DC corrected eirp	---	22.78	15.93	dBm	PASS
Power spectral density eirp	---		4.68	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	4.77	dBm/1MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:25:45
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5200 MHz

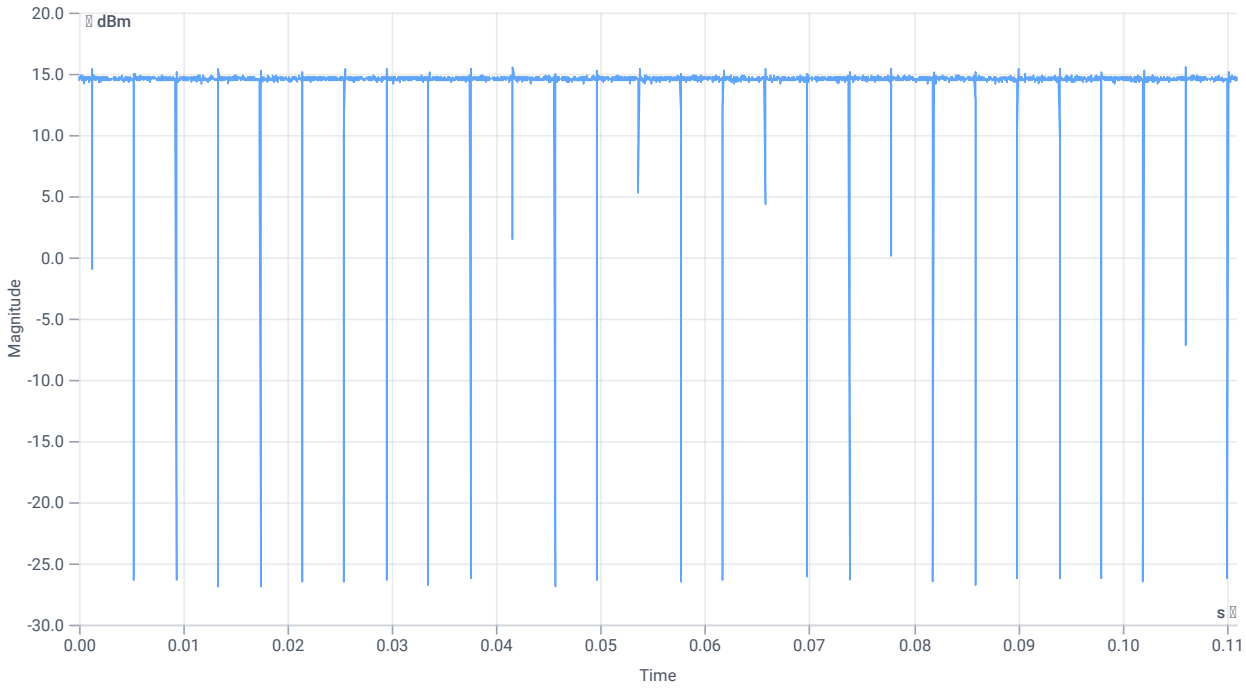
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.25	dBm	INFO
Ref. frequency	---	---	5197.800	MHz	INFO

Evaluation max. duty cycle

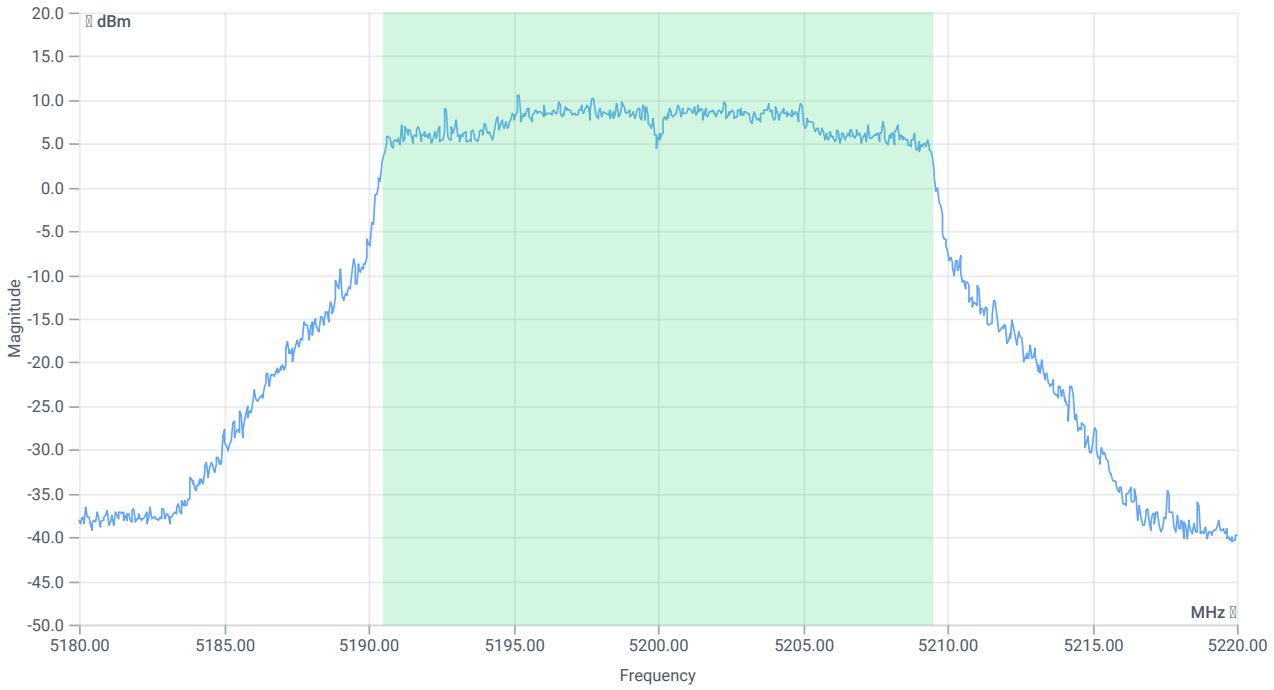
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.981	MHz	INFO
T1 99%	---	---	5190.4895	MHz	INFO
T2 99%	---	---	5209.4705	MHz	INFO

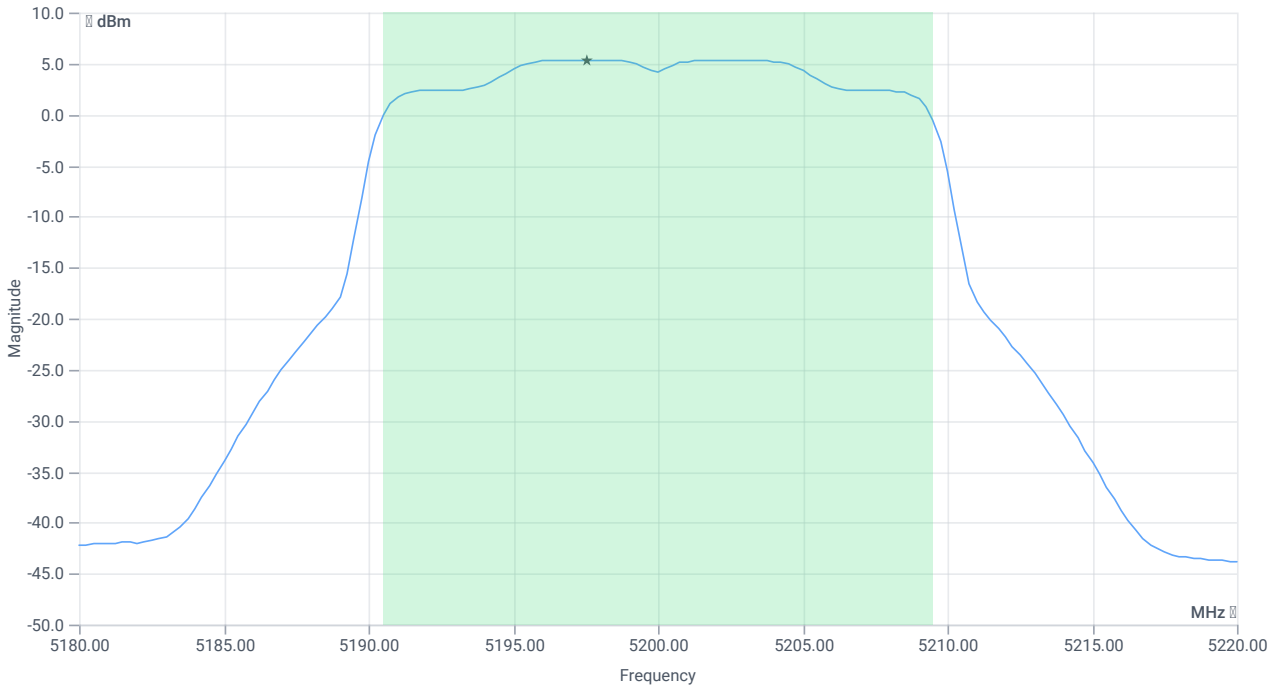
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5200 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.25 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	16.57	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	16.66	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	16.66	dBm	PASS
LIMIT: 10 dBm + 10 log 18.981					
Max output power DC corrected eirp	---	22.78	16.66	dBm	PASS
Power spectral density eirp	---		5.32	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	5.41	dBm/1MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:27:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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 5240 MHz

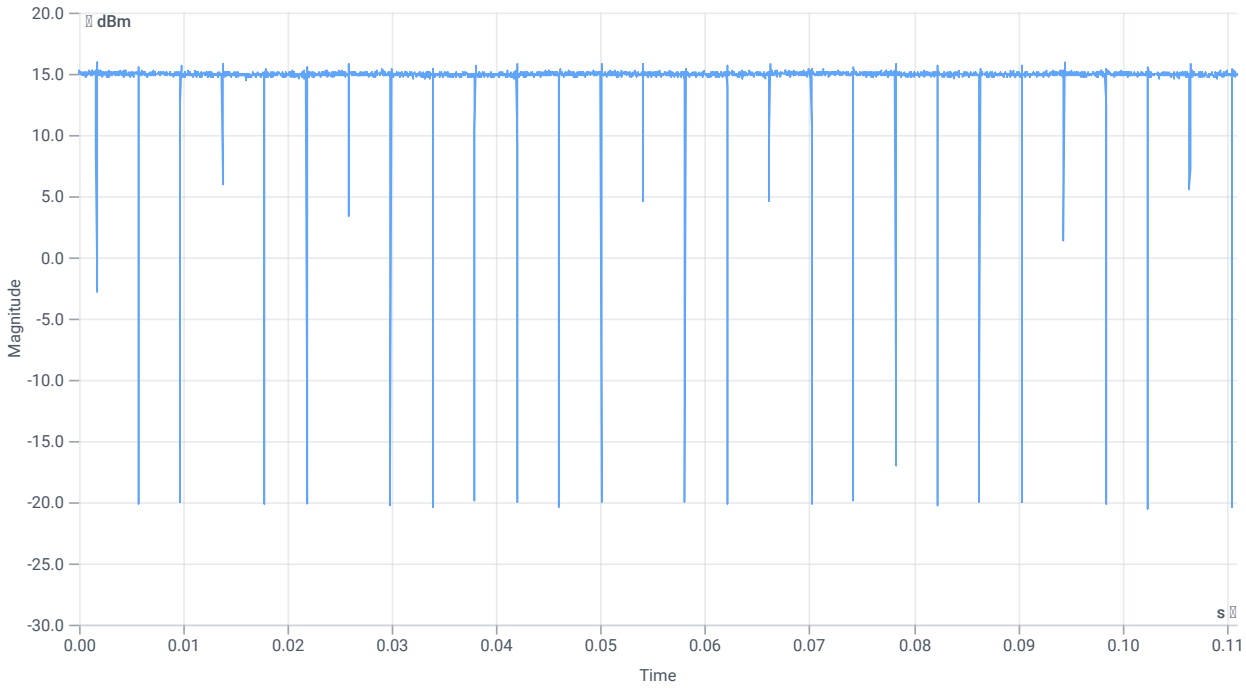
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.66	dBm	INFO
Ref. frequency	---	---	5242.200	MHz	INFO

Evaluation max. duty cycle

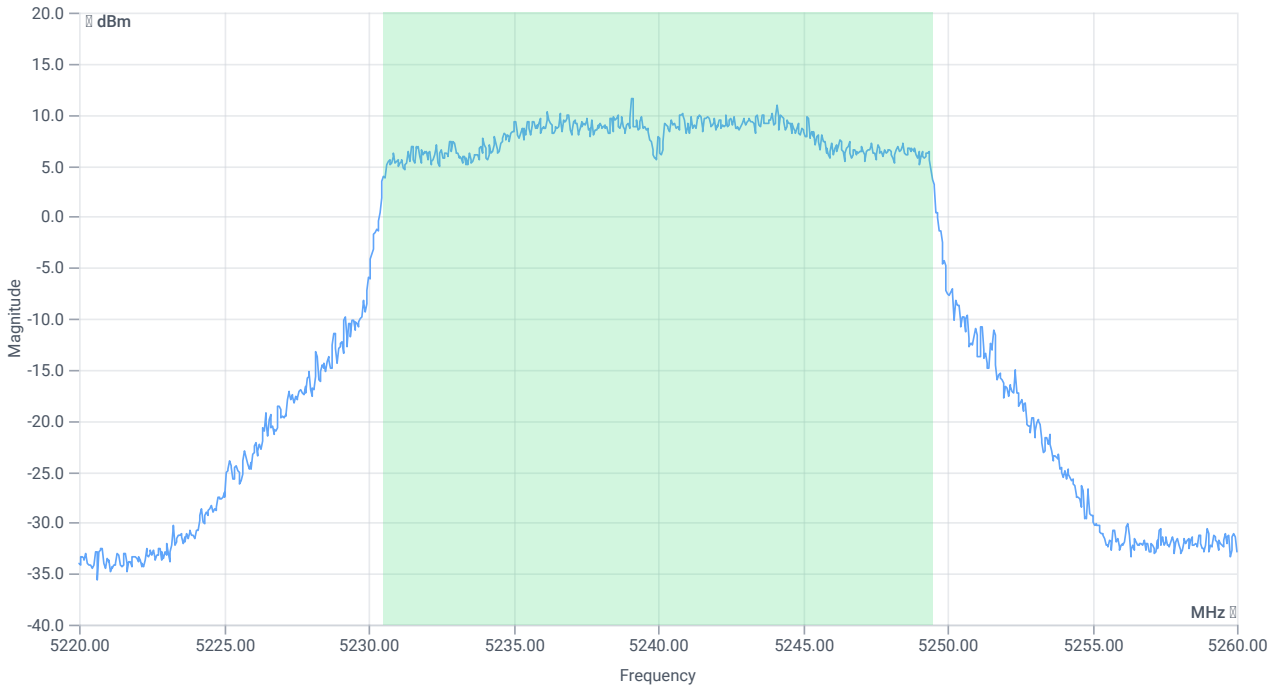
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.941	MHz	INFO
T1 99%	---	---	5230.5295	MHz	INFO
T2 99%	---	---	5249.4705	MHz	INFO

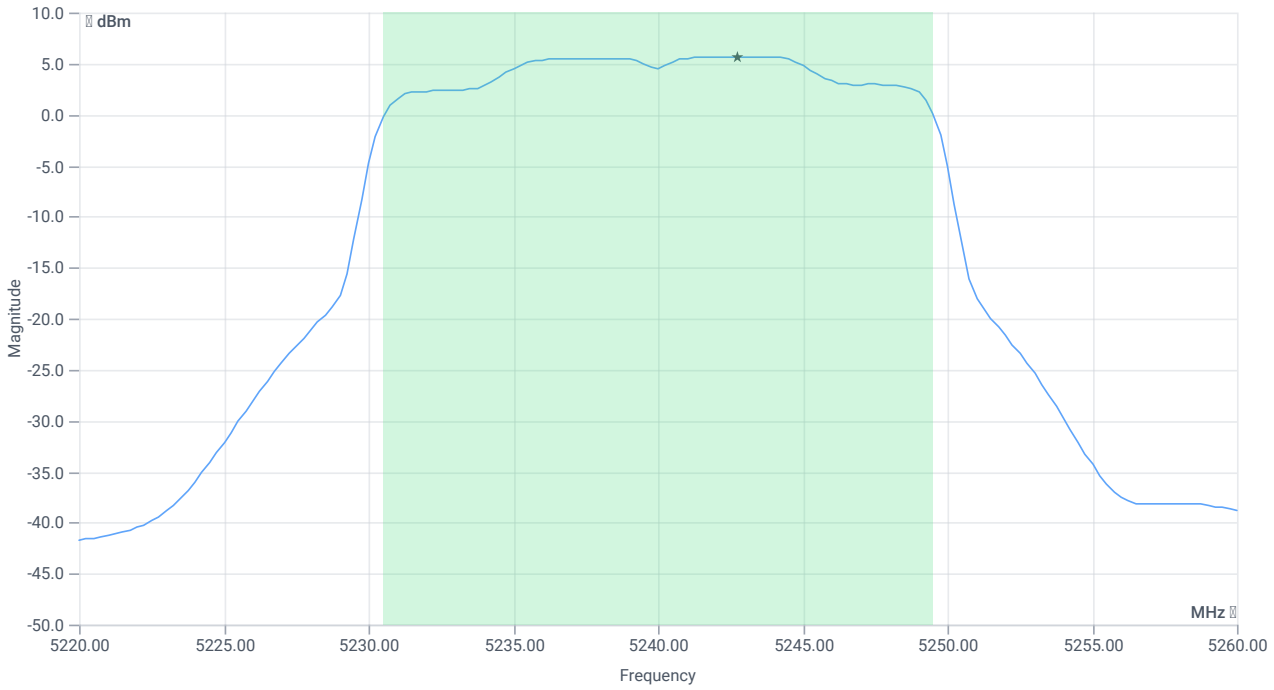
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5240 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.66 | 11.37 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	16.84	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	16.93	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	16.93	dBm	PASS
LIMIT: 10 dBm + 10 log 18.941					
Max output power DC corrected eirp	---	22.77	16.93	dBm	PASS
Power spectral density eirp	---		5.7	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	5.79	dBm/1MHz	PASS

Verdict
PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	06.05.2026 09:29:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	ISED RSS247 | NI
Method	
Description	ISED Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5240 MHz

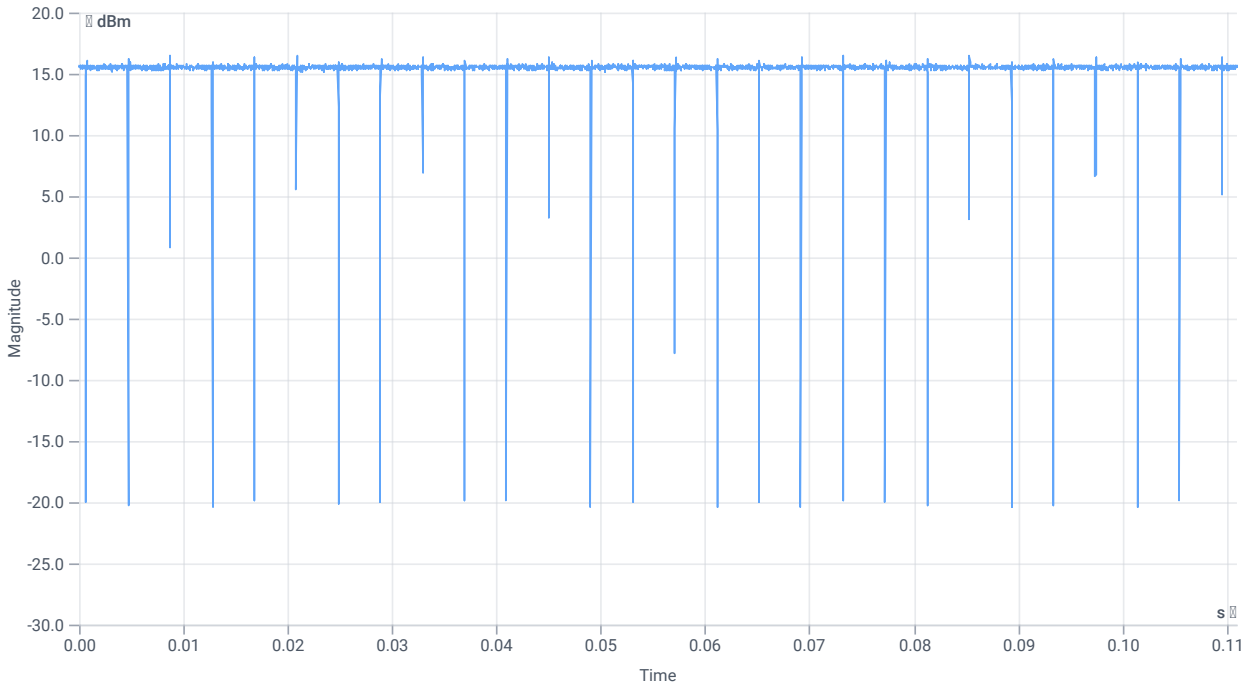
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.02	dBm	INFO
Ref. frequency	---	---	5243.200	MHz	INFO

Evaluation max. duty cycle

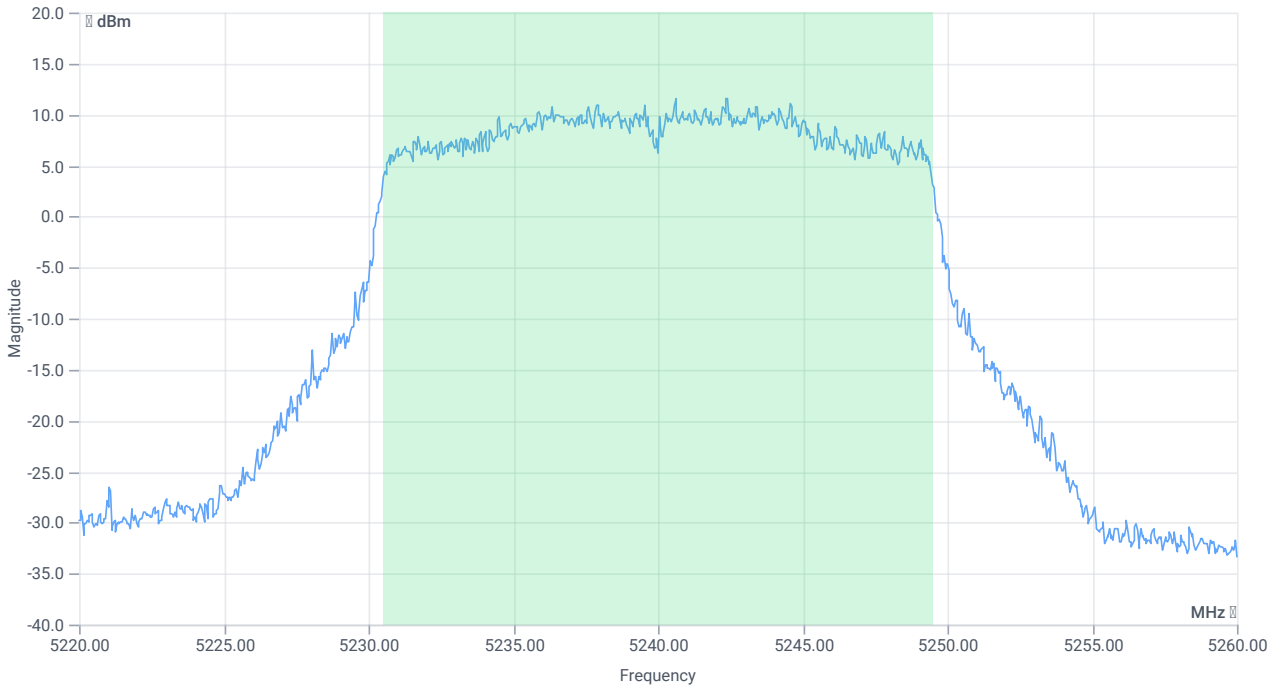
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.941	MHz	INFO
T1 99%	---	---	5230.5295	MHz	INFO
T2 99%	---	---	5249.4705	MHz	INFO

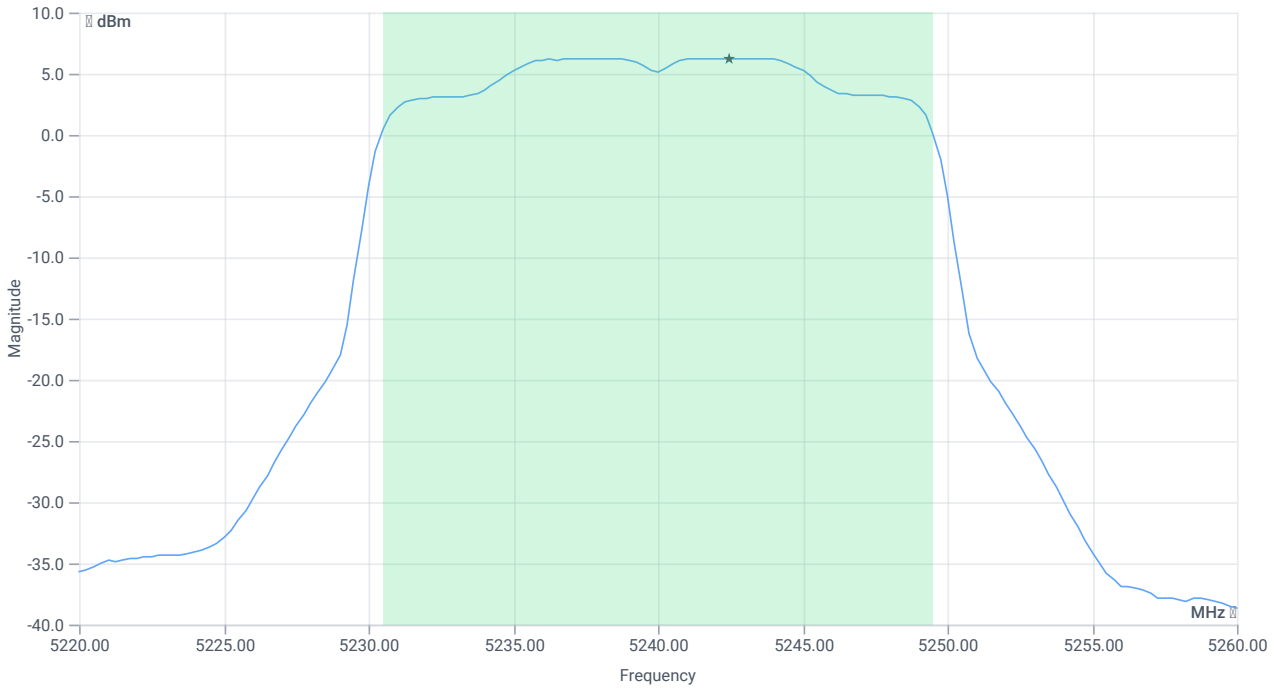
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5240 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.02 | 11.34 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	17.45	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Max output power DC corrected cond	---	---	17.54	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	17.54	dBm	PASS
LIMIT: 10 dBm + 10 log 18.941					
Max output power DC corrected eirp	---	22.77	17.54	dBm	PASS
Power spectral density eirp	---		6.27	dBm/1MHz	INFO
Power spectral density DC corrected eirp	---	10	6.36	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:08:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5260 MHz

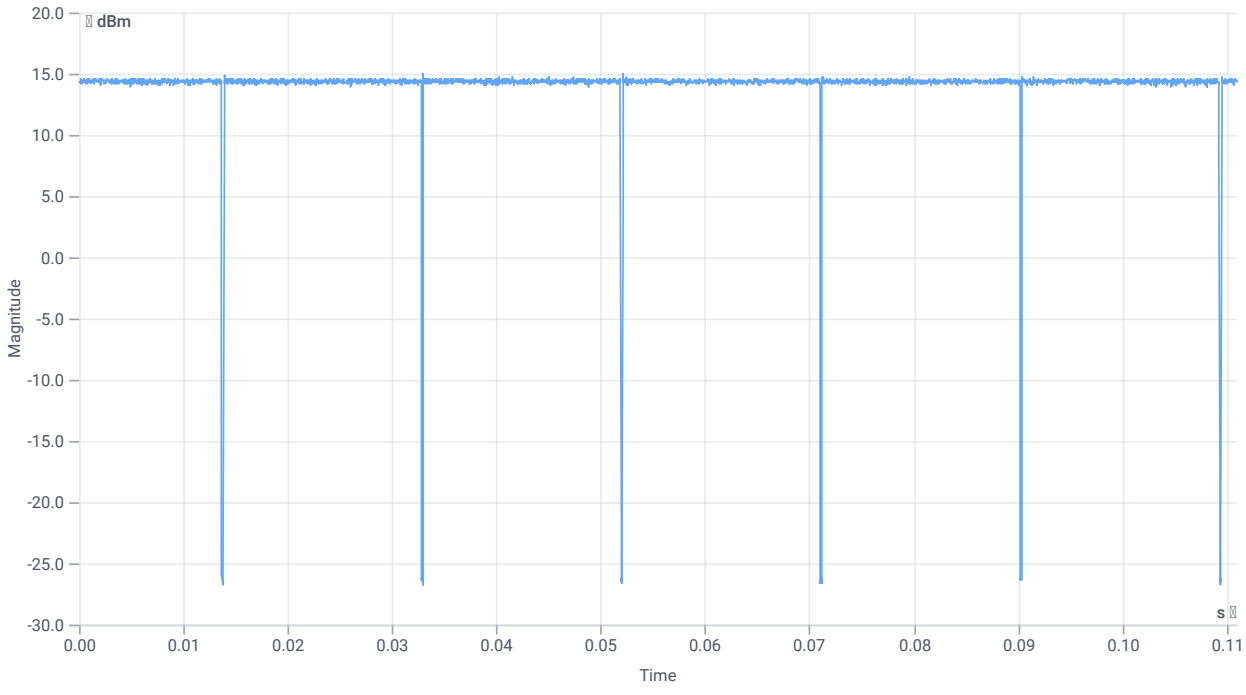
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.54	dBm	INFO
Ref. frequency	---	---	5264.600	MHz	INFO

Evaluation max. duty cycle

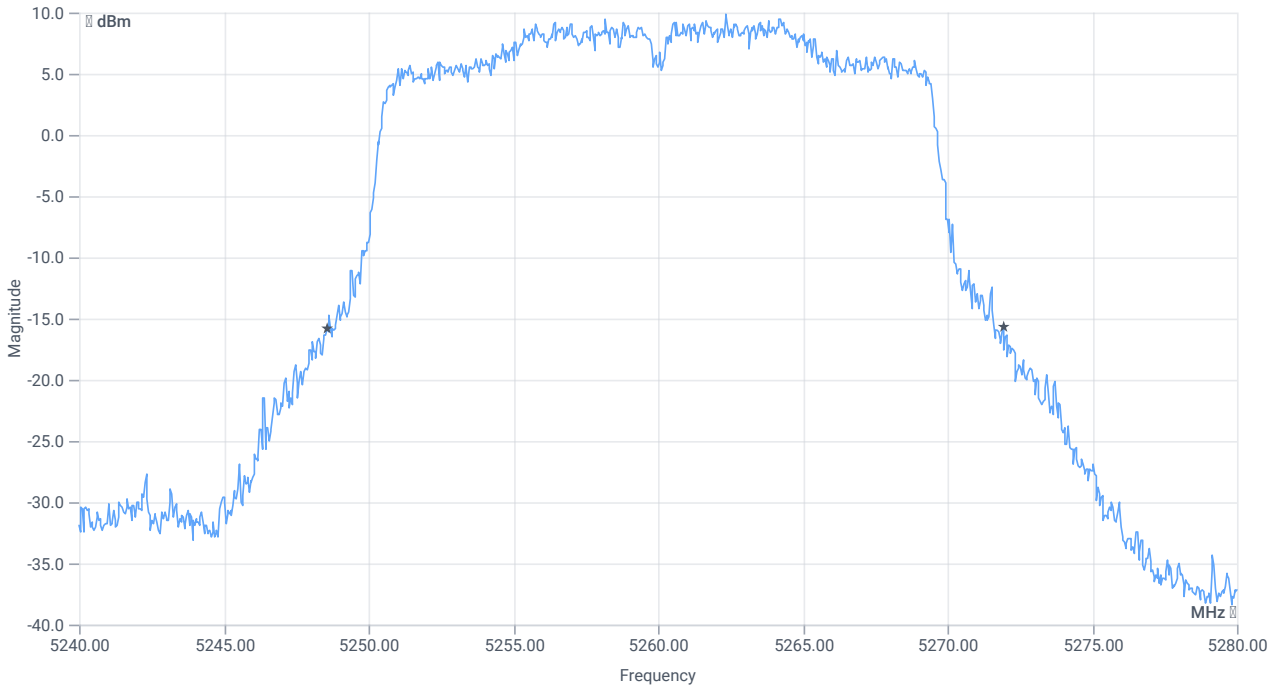
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.36	MHz	INFO
T1 26dB	---	---	5248.5600	MHz	INFO
T2 26dB	---	---	5271.9200	MHz	INFO

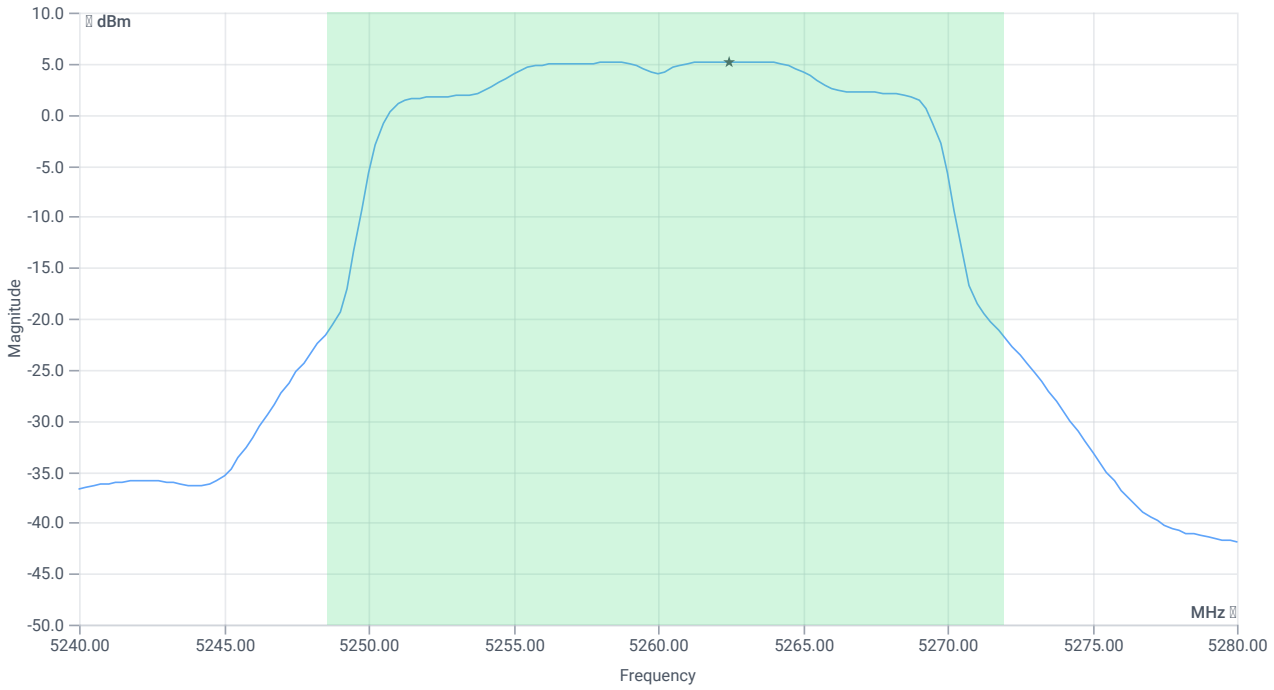
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.54 | 11.32 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.34	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.4	dBm	PASS
LIMIT: 11 dBm + 10 log 23.36					
Max output power DC corrected cond	---	24.68	16.4	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.4	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.15	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.21	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:10:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5260 MHz

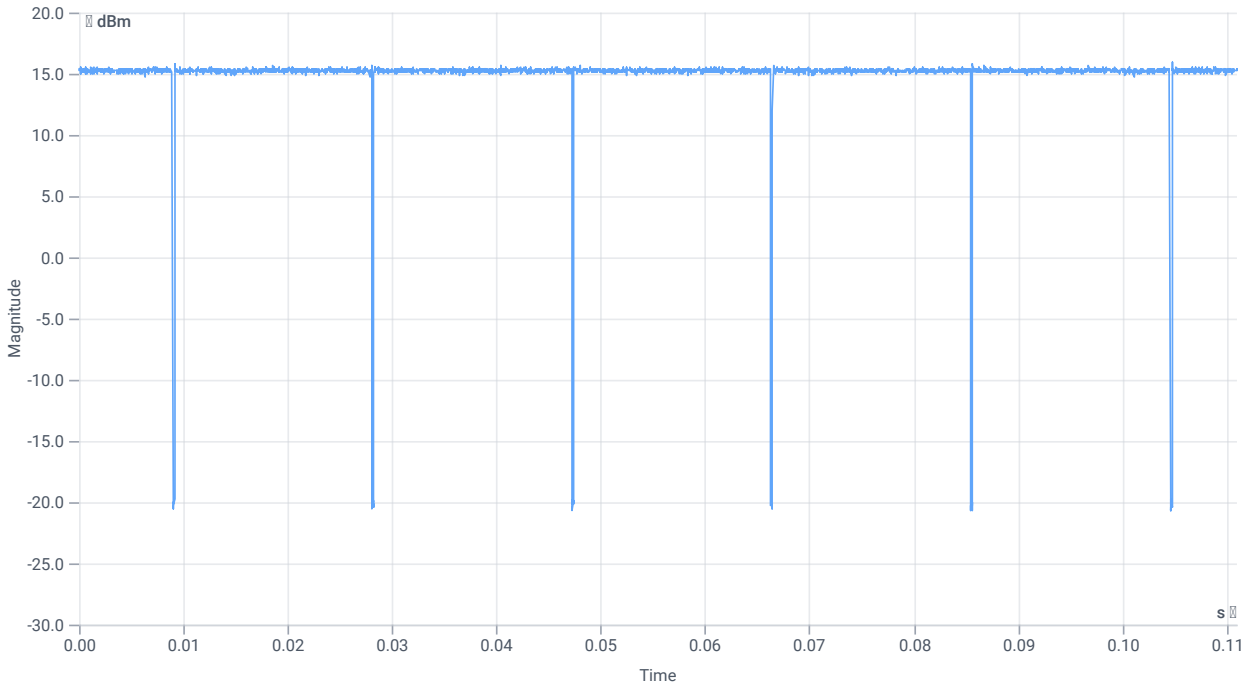
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.23	dBm	INFO
Ref. frequency	---	---	5255.600	MHz	INFO

Evaluation max. duty cycle

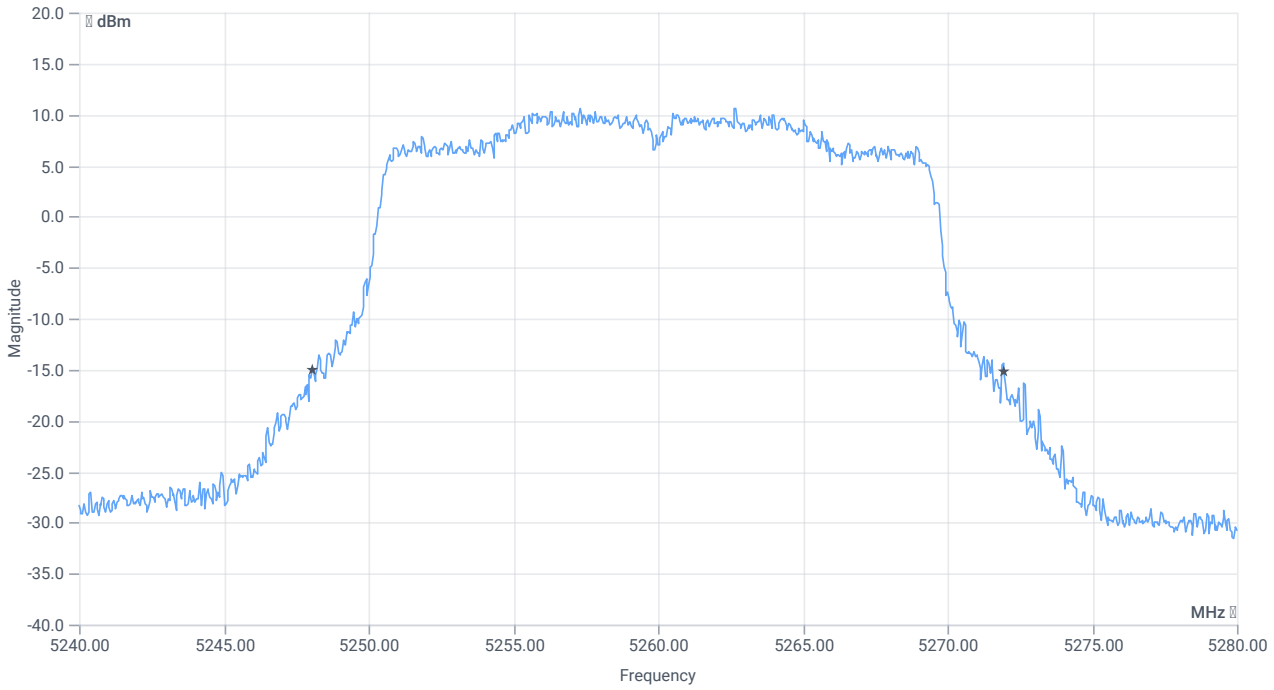
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.92	MHz	INFO
T1 26dB	---	---	5248.0400	MHz	INFO
T2 26dB	---	---	5271.9600	MHz	INFO

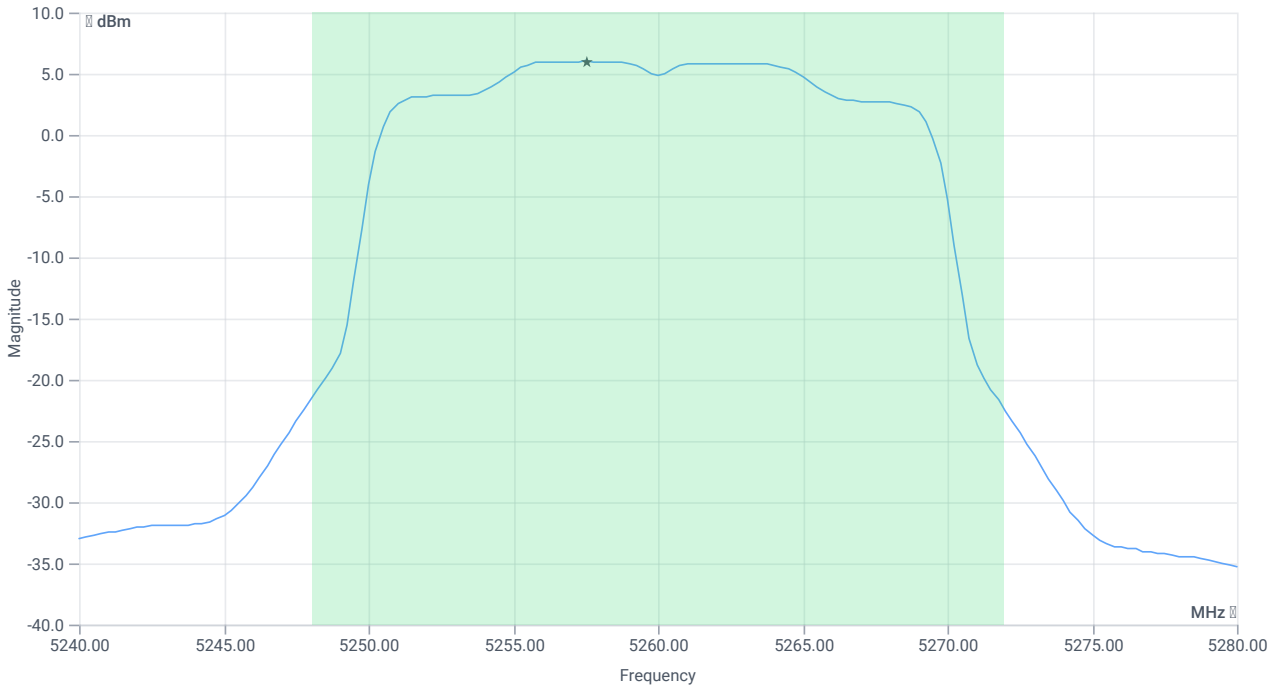
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	28.23 | 11.29 | 35
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.23	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.29	dBm	PASS
LIMIT: 11 dBm + 10 log 23.92					
Max output power DC corrected cond	---	24.79	17.29	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.29	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.01	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.07	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:12:35
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5280 MHz

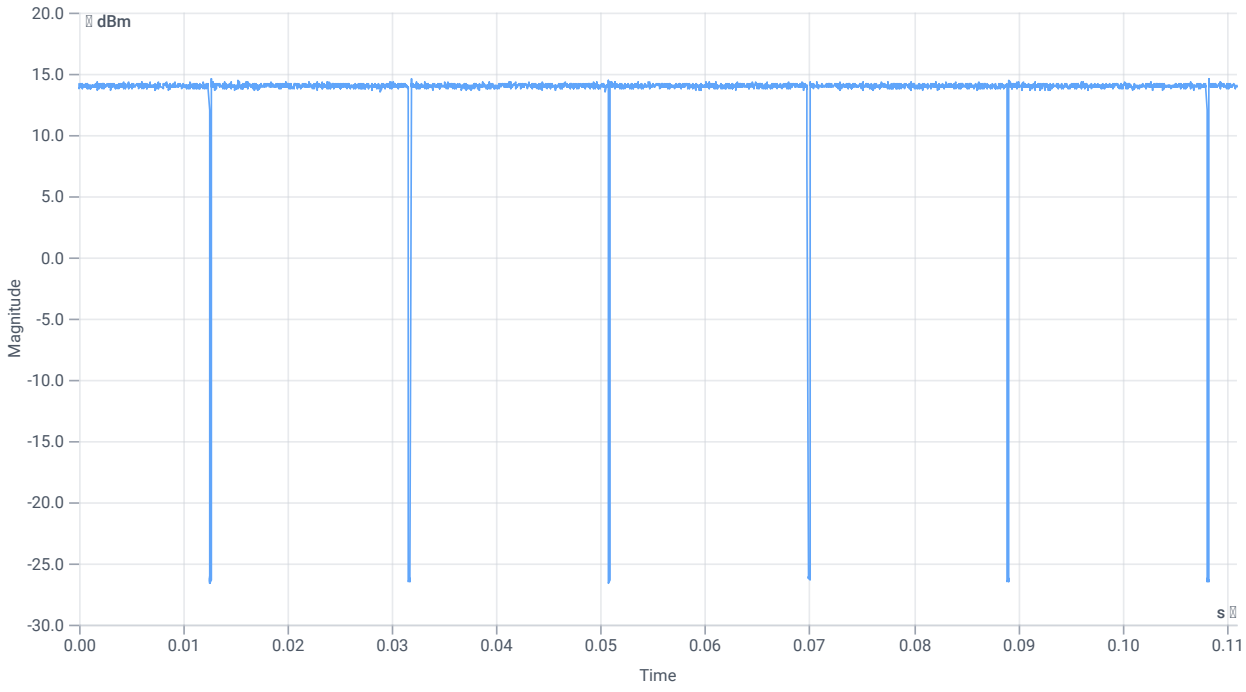
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.05	dBm	INFO
Ref. frequency	---	---	5276.000	MHz	INFO

Evaluation max. duty cycle

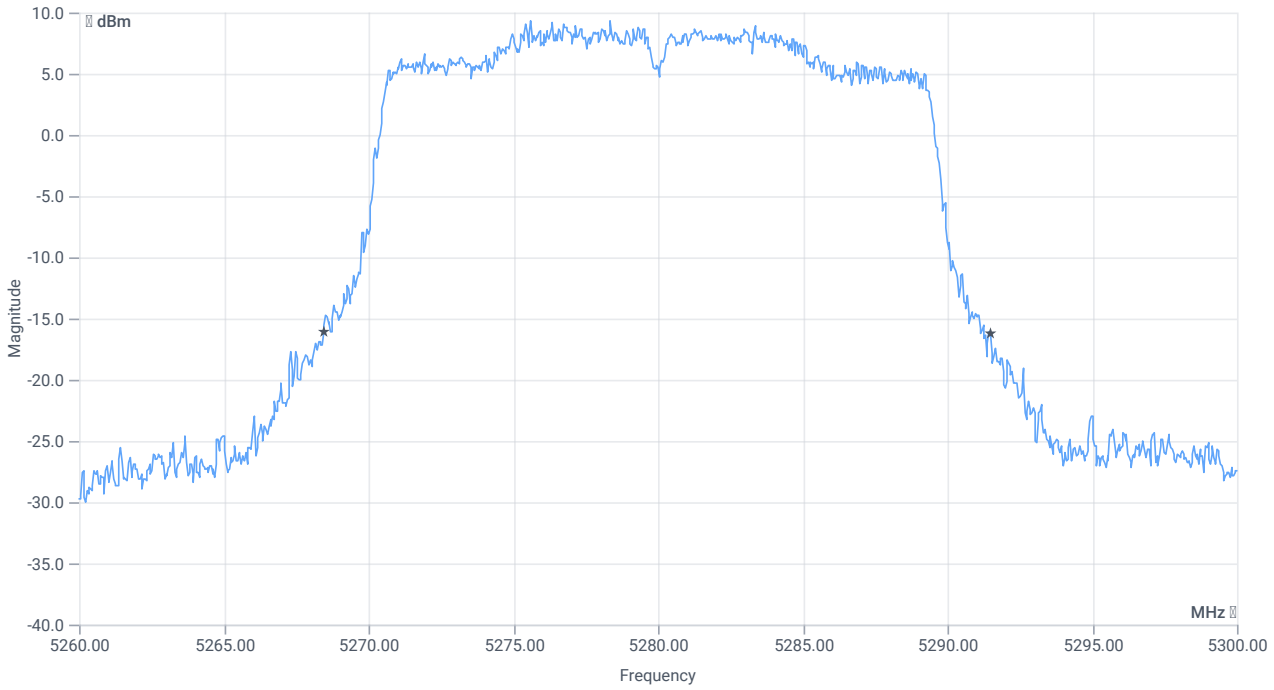
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.04	MHz	INFO
T1 26dB	---	---	5268.4400	MHz	INFO
T2 26dB	---	---	5291.4800	MHz	INFO

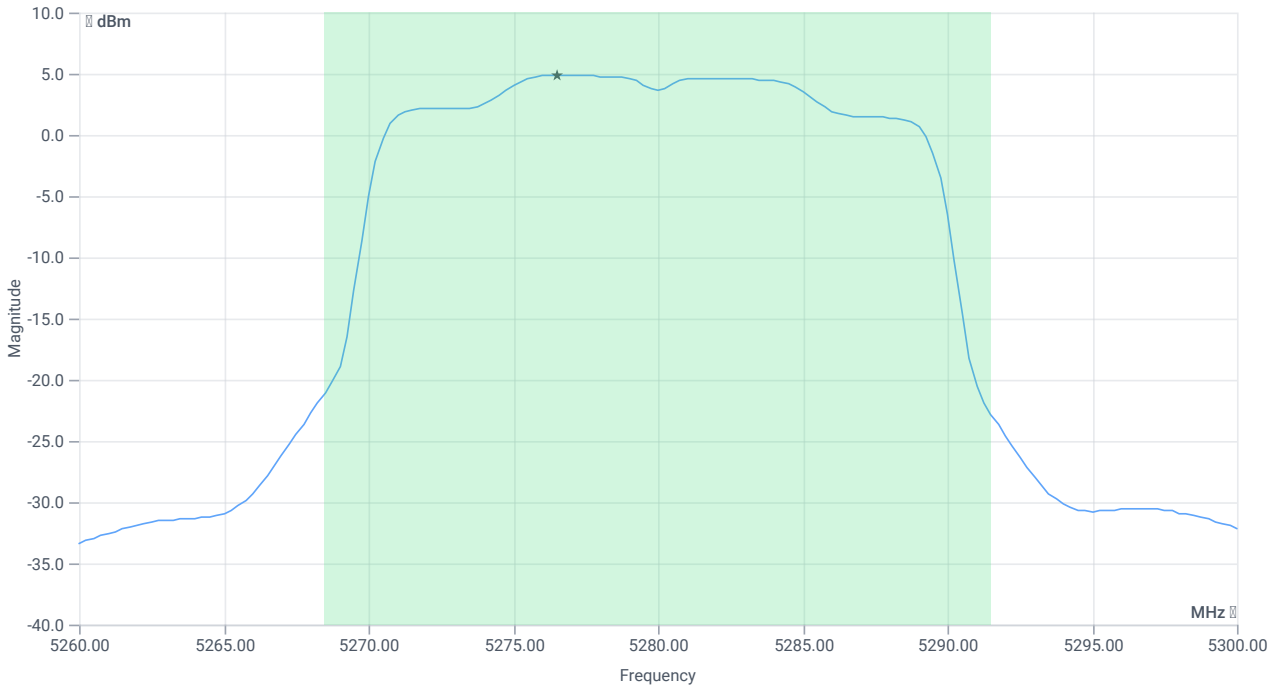
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.05 | 11.36 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.04	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.1	dBm	PASS
LIMIT: 11 dBm + 10 log 23.04					
Max output power DC corrected cond	---	24.62	16.1	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.1	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.85	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	4.91	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:14:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5280 MHz

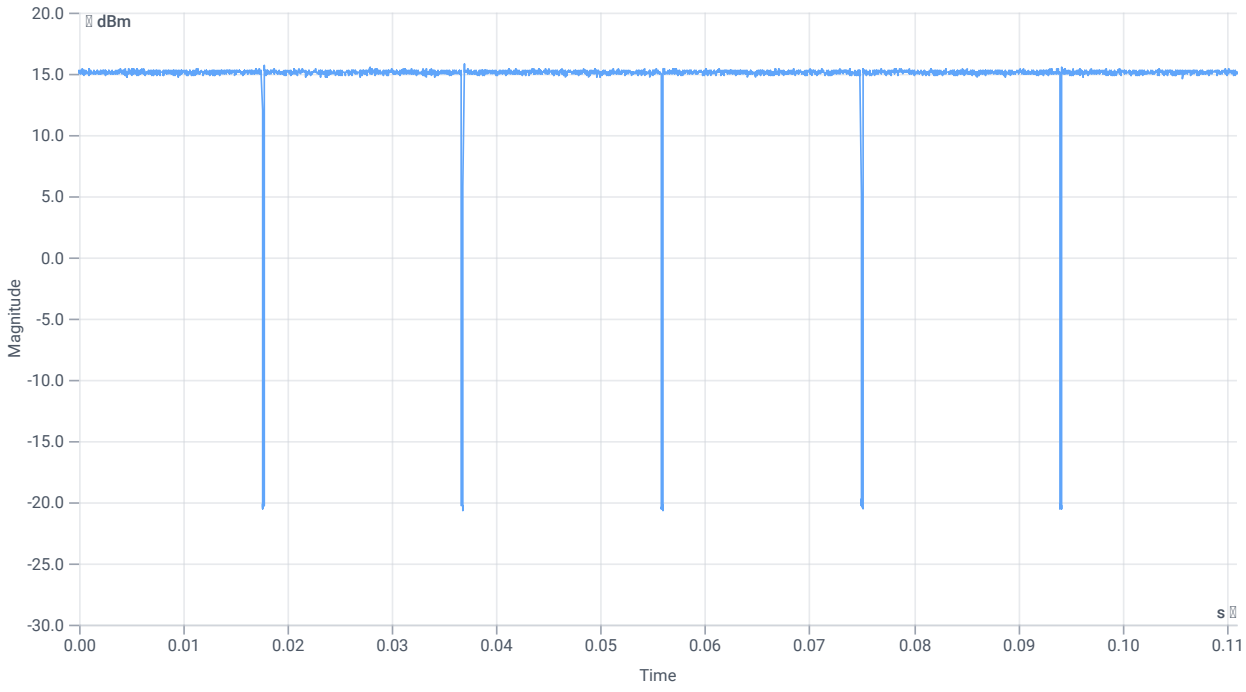
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.64	dBm	INFO
Ref. frequency	---	---	5277.400	MHz	INFO

Evaluation max. duty cycle

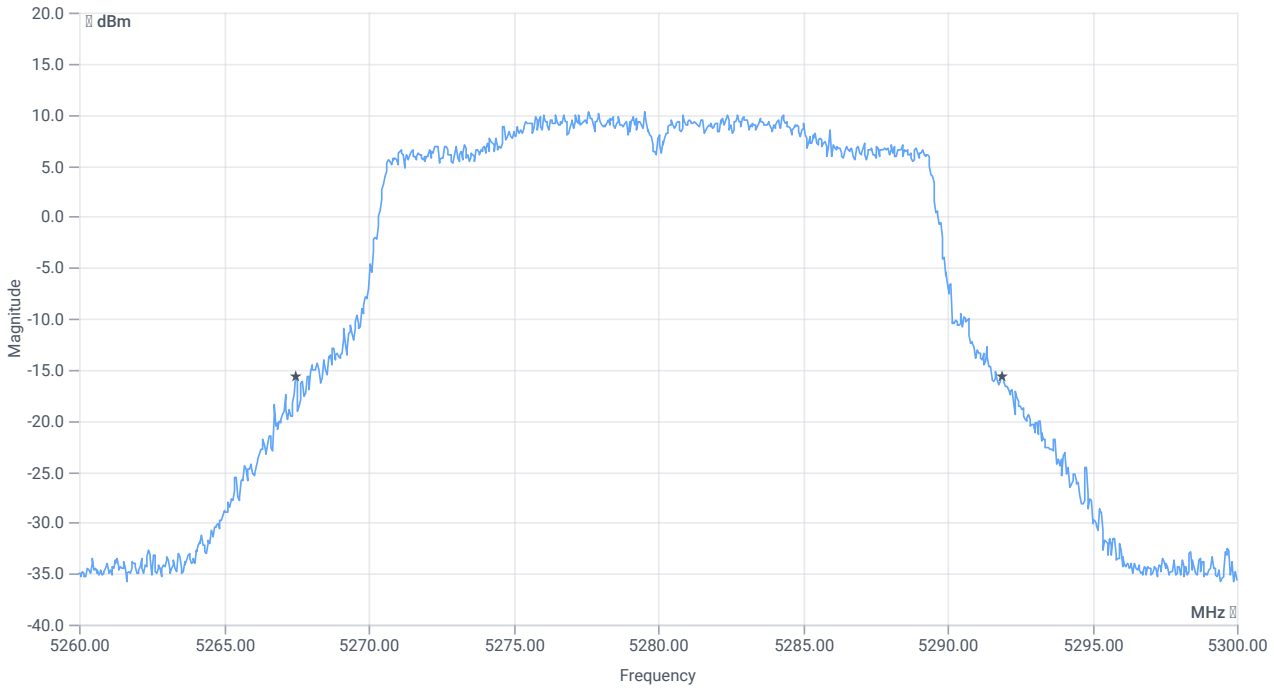
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 4					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.4	MHz	INFO
T1 26dB	---	---	5267.4800	MHz	INFO
T2 26dB	---	---	5291.8800	MHz	INFO

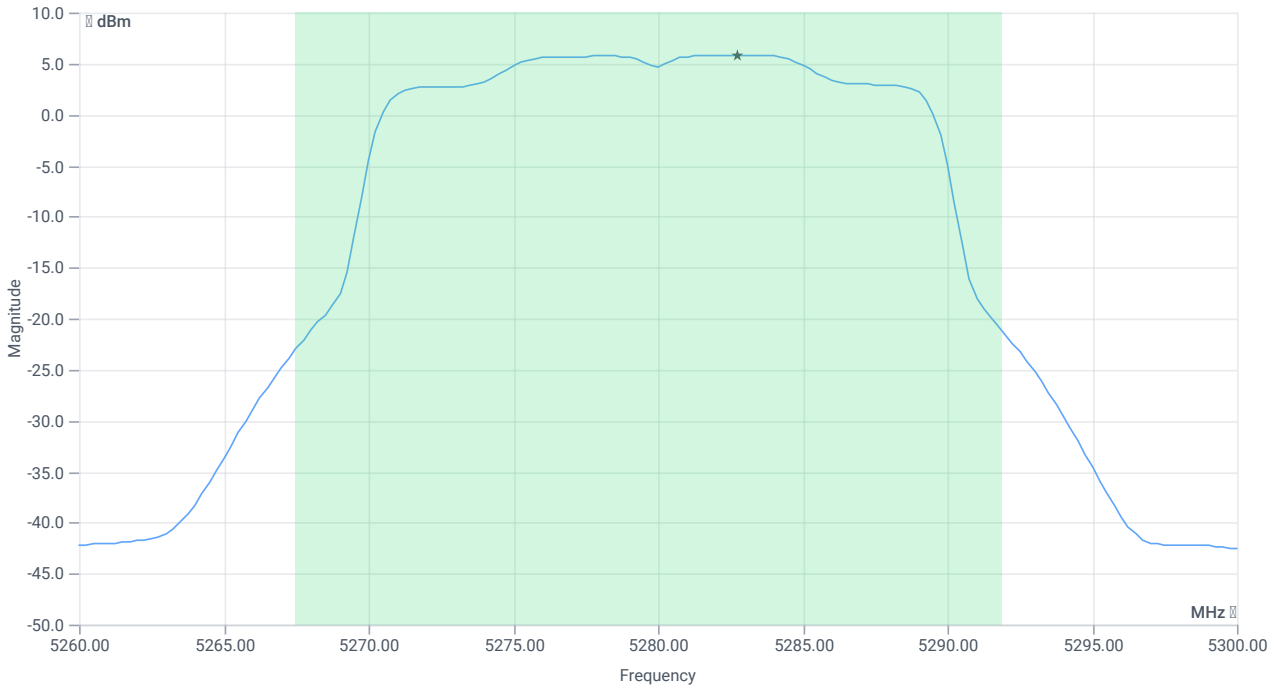
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.64 | 11.33 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.08	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.14	dBm	PASS
LIMIT: 11 dBm + 10 log 24.4					
Max output power DC corrected cond	---	24.87	17.14	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.14	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.88	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:16:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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 5320 MHz

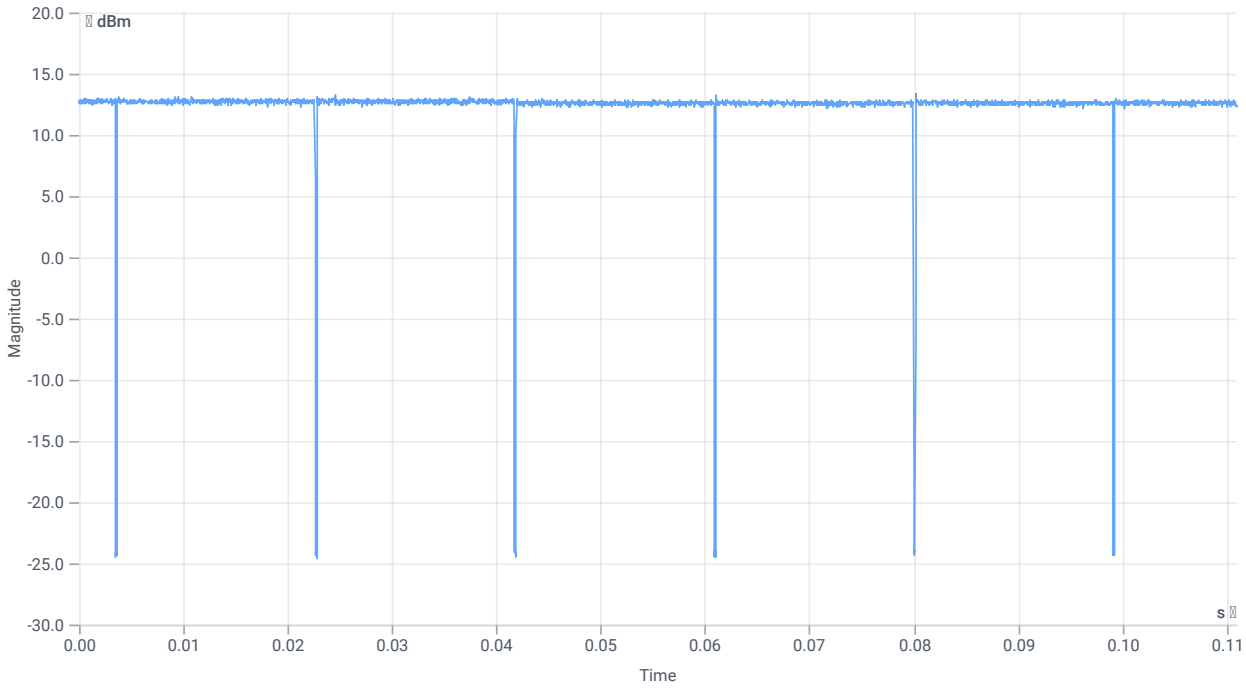
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.64	dBm	INFO
Ref. frequency	---	---	5324.600	MHz	INFO

Evaluation max. duty cycle

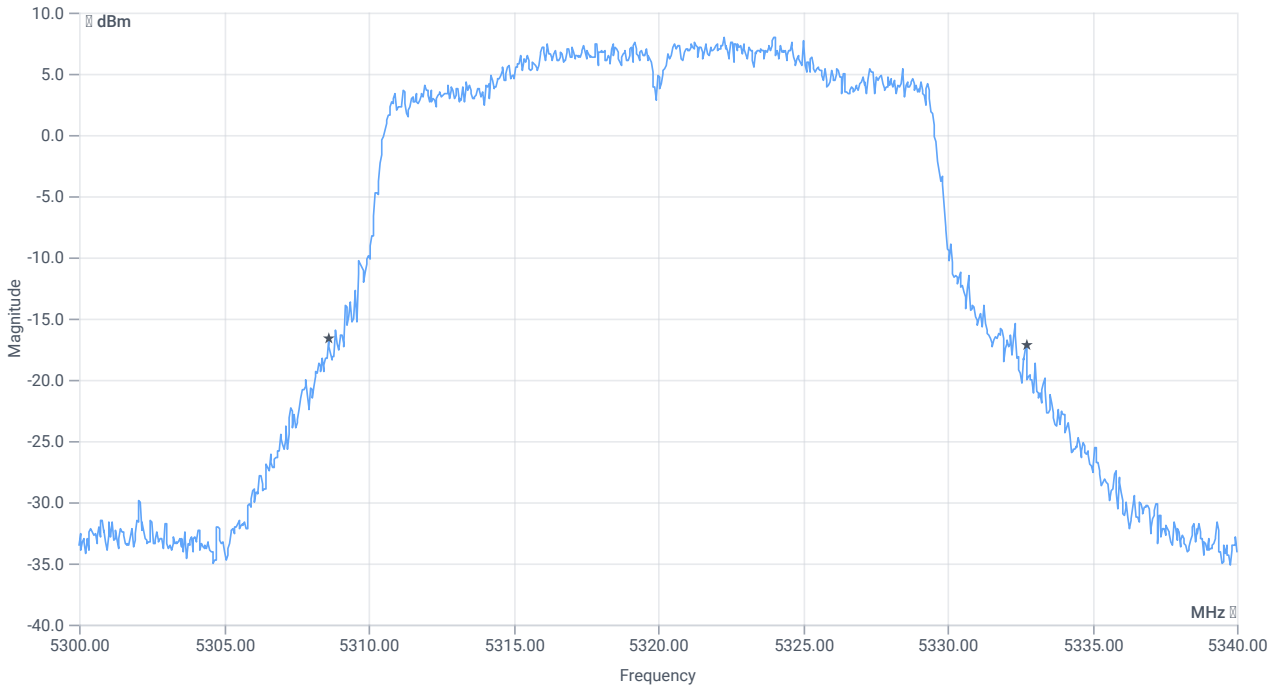
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.12	MHz	INFO
T1 26dB	---	---	5308.6000	MHz	INFO
T2 26dB	---	---	5332.7200	MHz	INFO

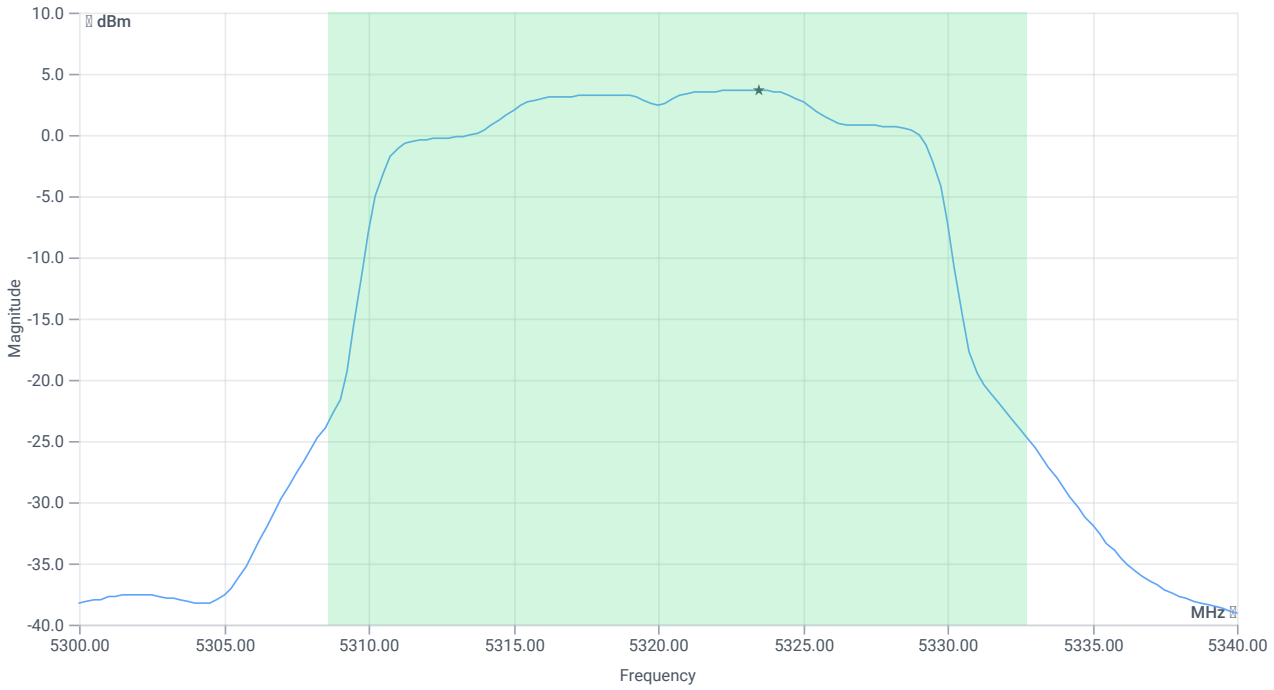
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.64 | 11.48 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.67	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.73	dBm	PASS
LIMIT: 11 dBm + 10 log 24.12					
Max output power DC corrected cond	---	24.82	14.73	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	14.73	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.61	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	3.67	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	06.05.2026 15:18:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5320 MHz

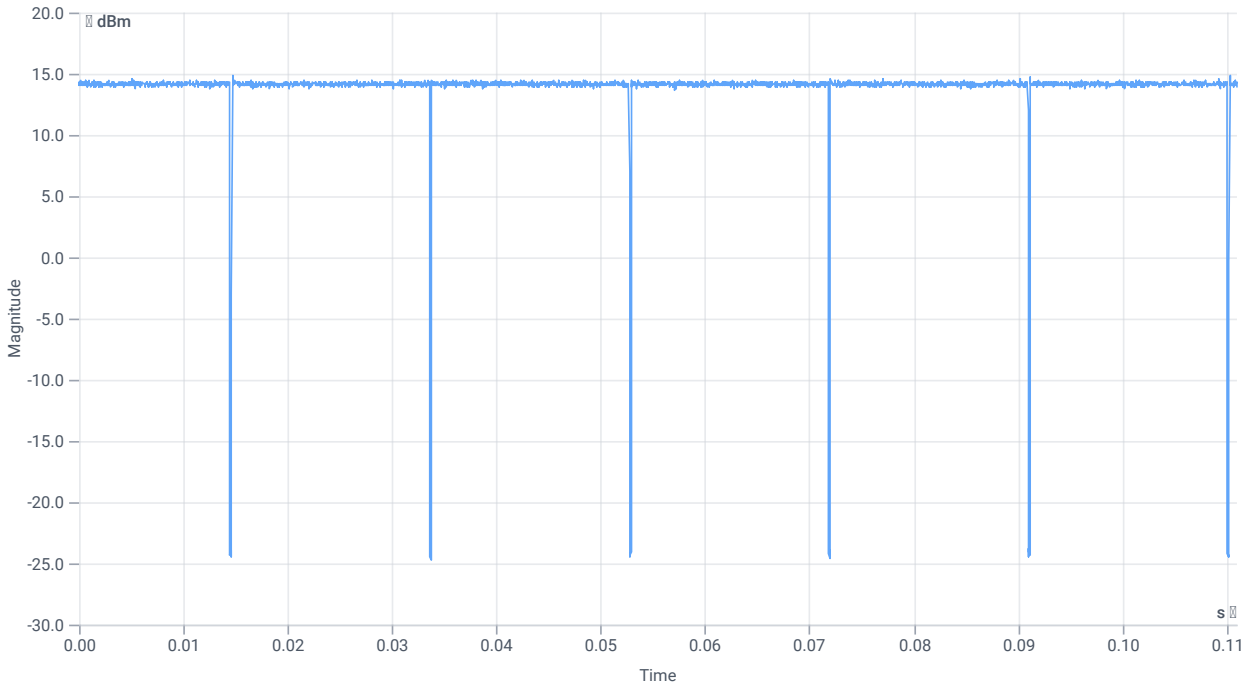
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.10	dBm	INFO
Ref. frequency	---	---	5316.600	MHz	INFO

Evaluation max. duty cycle

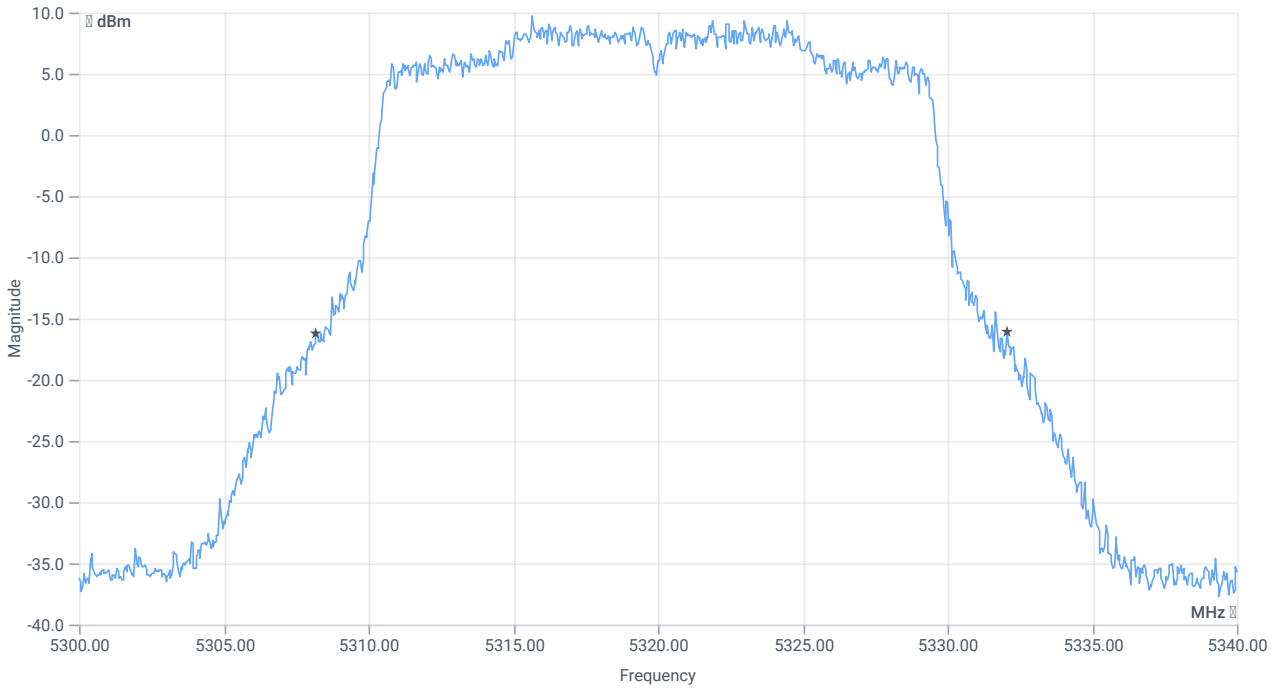
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5308.2000	MHz	INFO
T2 26dB	---	---	5332.0800	MHz	INFO

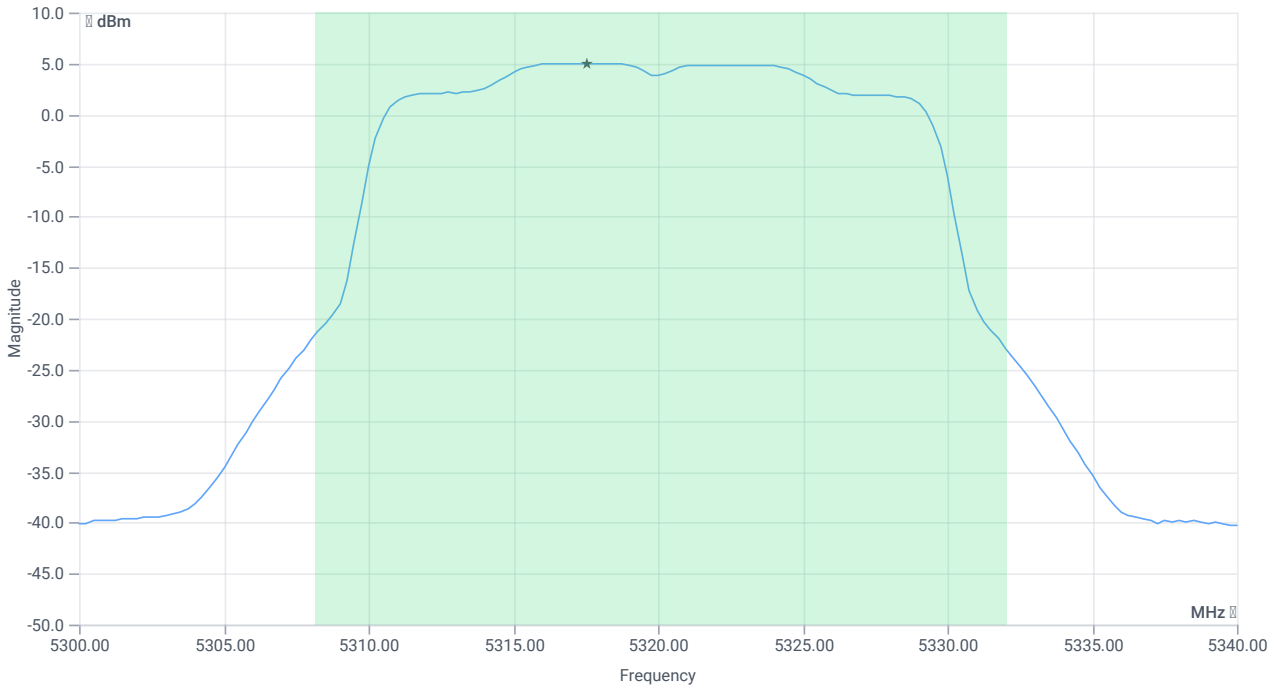
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.10 | 11.47 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.23	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.29	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	16.29	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.29	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.98	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.04	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:26:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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 5500 MHz

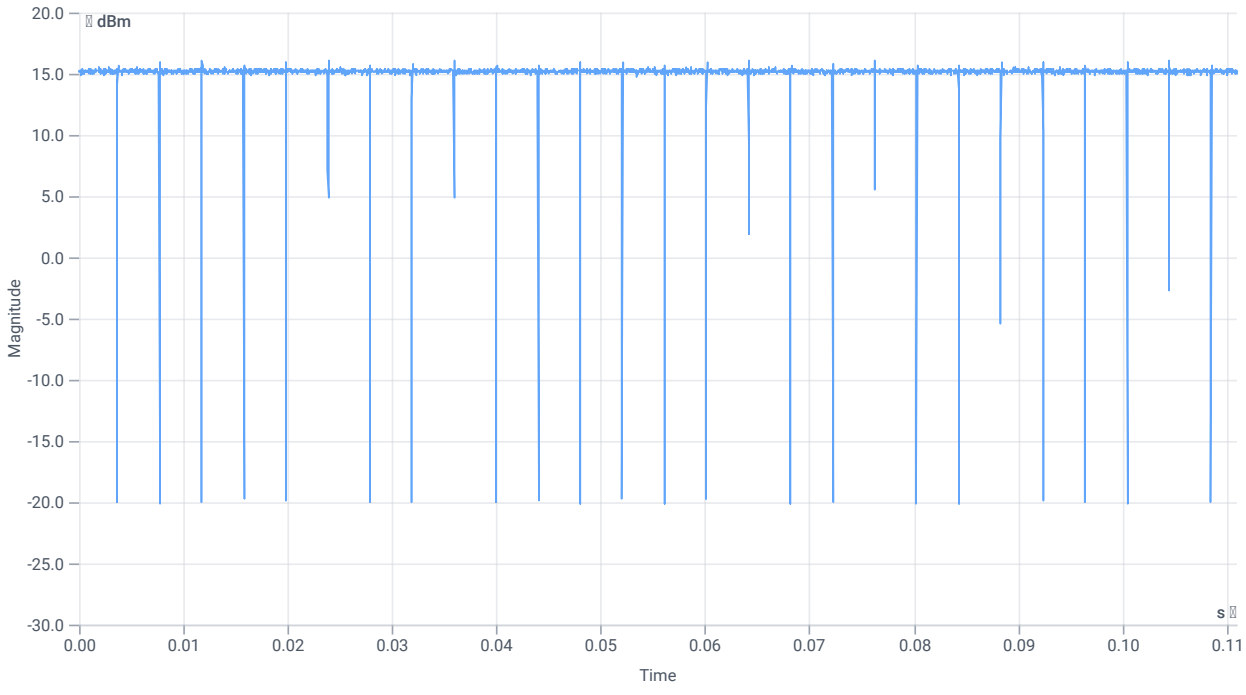
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.87	dBm	INFO
Ref. frequency	---	---	5496.400	MHz	INFO

Evaluation max. duty cycle

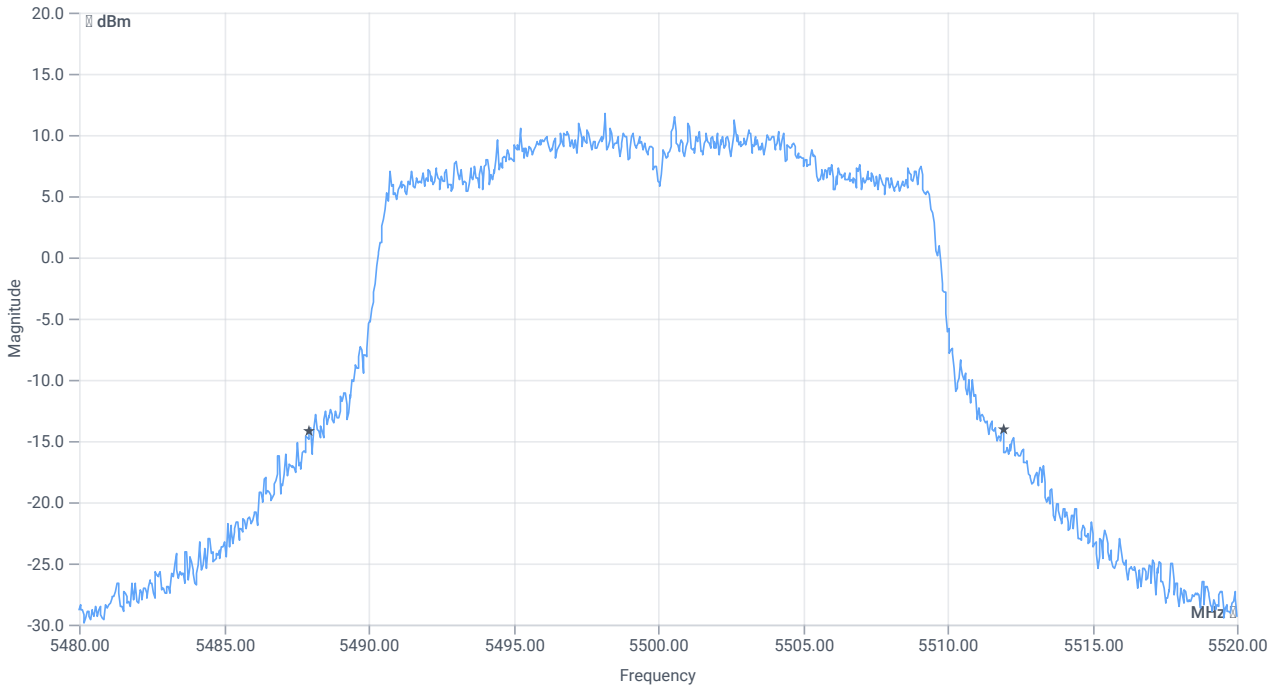
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

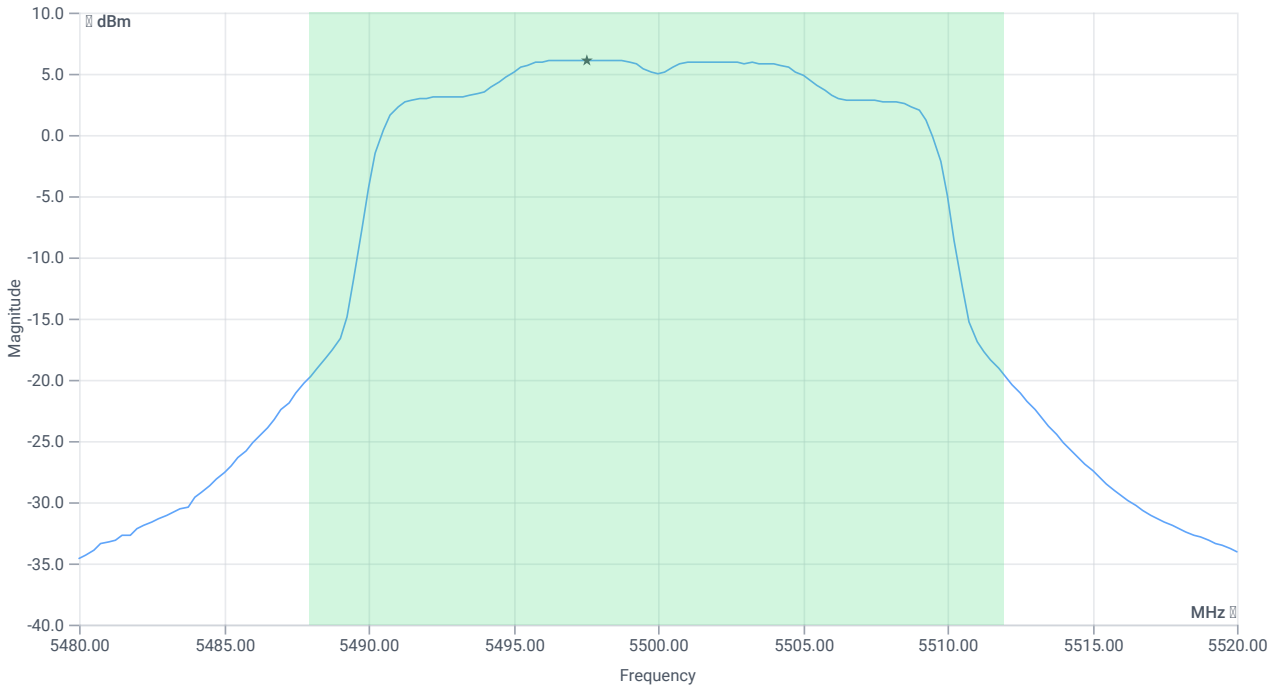
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.96	MHz	INFO
T1 26dB	---	---	5487.9600	MHz	INFO
T2 26dB	---	---	5511.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.87 | 11.6 | 30
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.28	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.37	dBm	PASS
LIMIT: 11 dBm + 10 log 23.96					
Max output power DC corrected cond	---	24.79	17.37	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.37	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.18	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:27:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5500 MHz

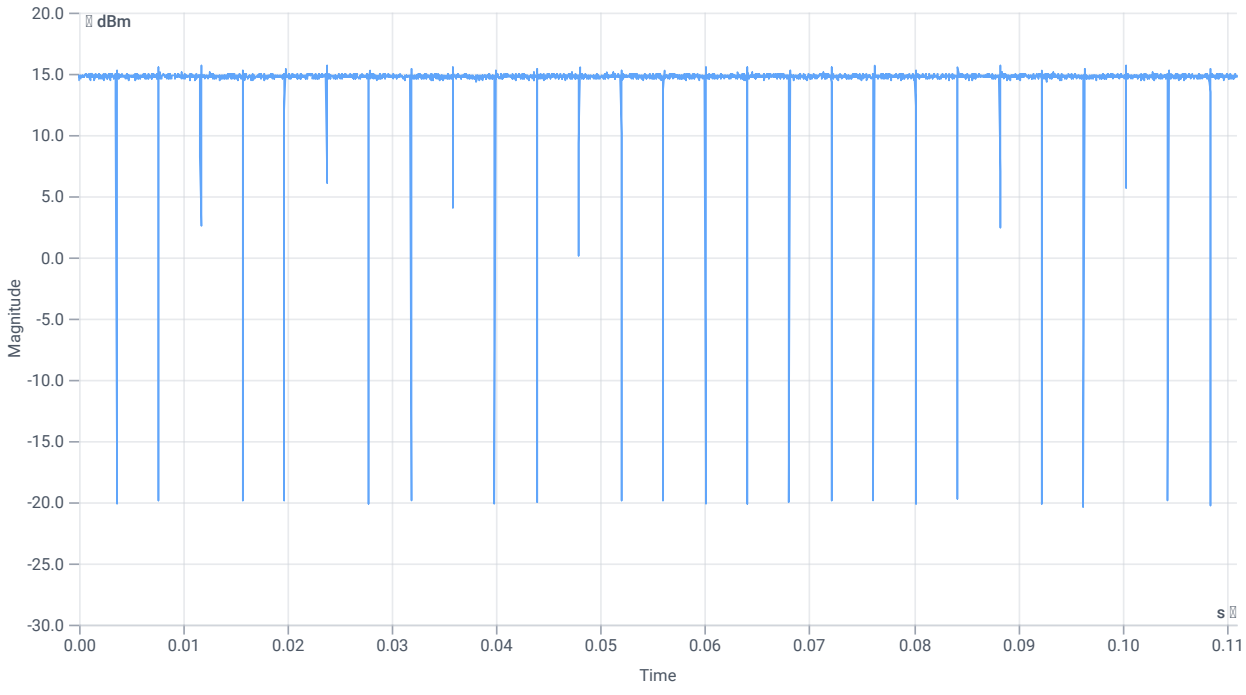
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.55	dBm	INFO
Ref. frequency	---	---	5497.200	MHz	INFO

Evaluation max. duty cycle

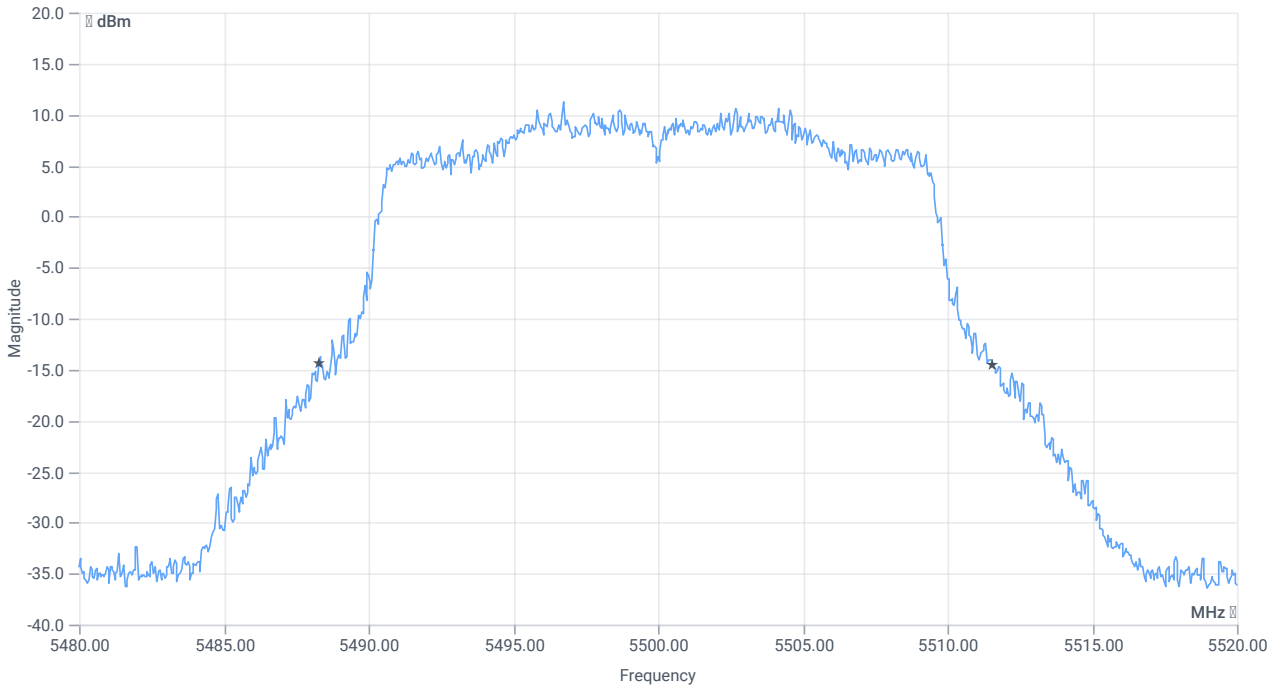
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 24					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

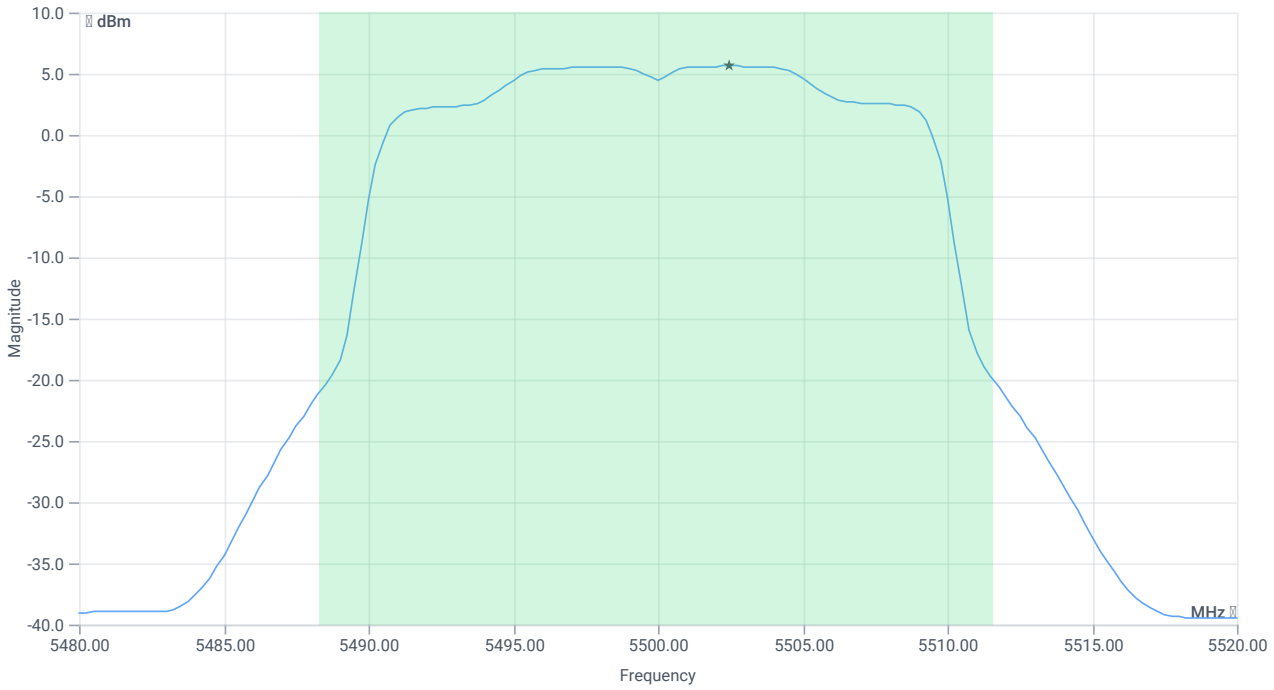
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.28	MHz	INFO
T1 26dB	---	---	5488.2800	MHz	INFO
T2 26dB	---	---	5511.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.55 | 11.55 | 35
Start [MHz] | Stop [MHz]	5480.000 | 5520.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.83	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.92	dBm	PASS
LIMIT: 11 dBm + 10 log 23.28					
Max output power DC corrected cond	---	24.67	16.92	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.92	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.62	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.71	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:29:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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 5600 MHz

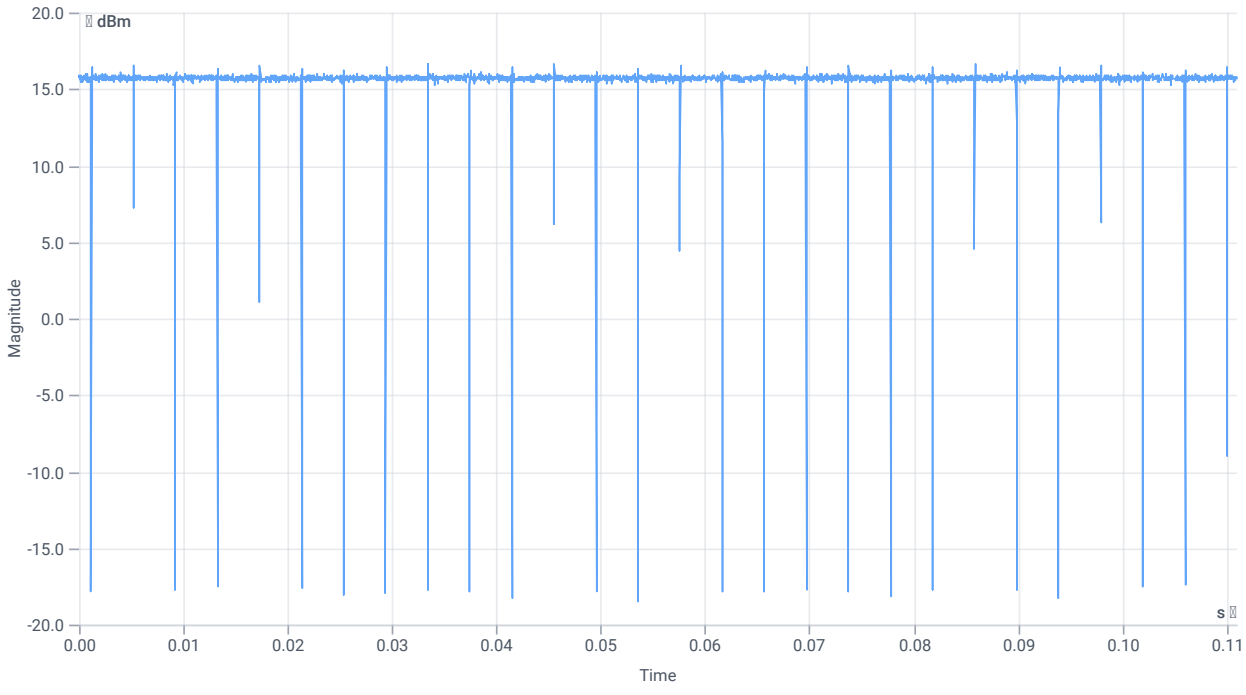
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.78	dBm	INFO
Ref. frequency	---	---	5596.200	MHz	INFO

Evaluation max. duty cycle

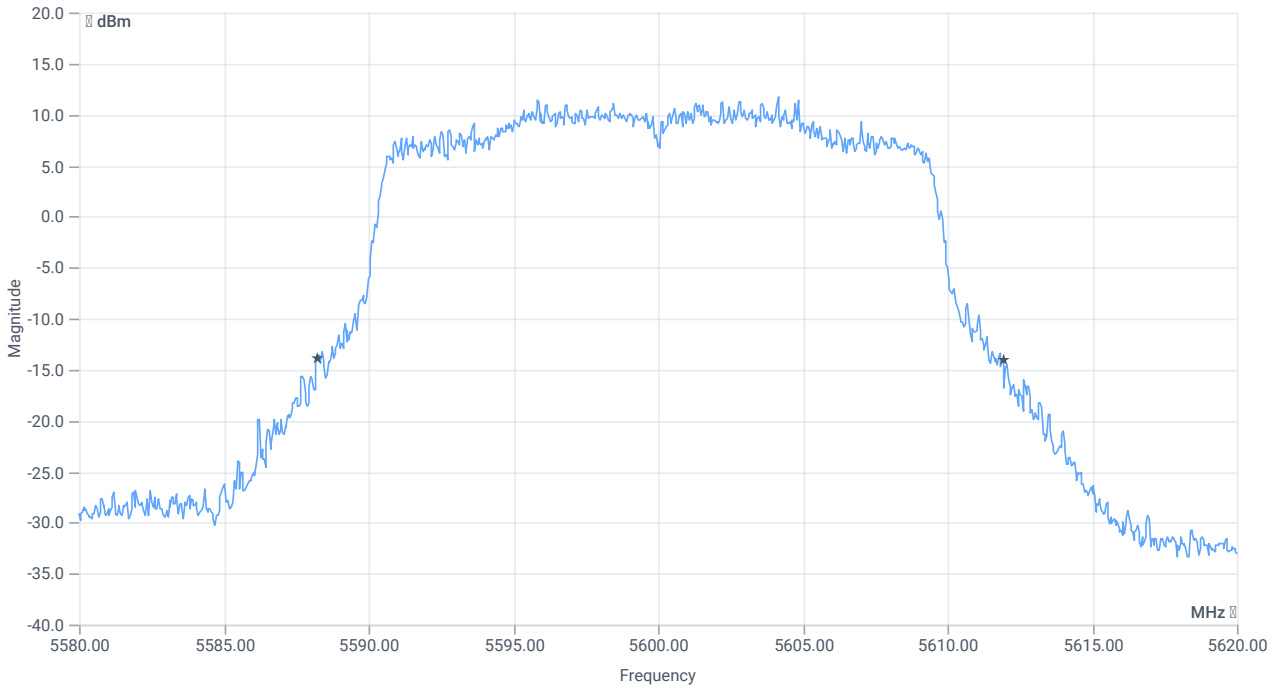
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

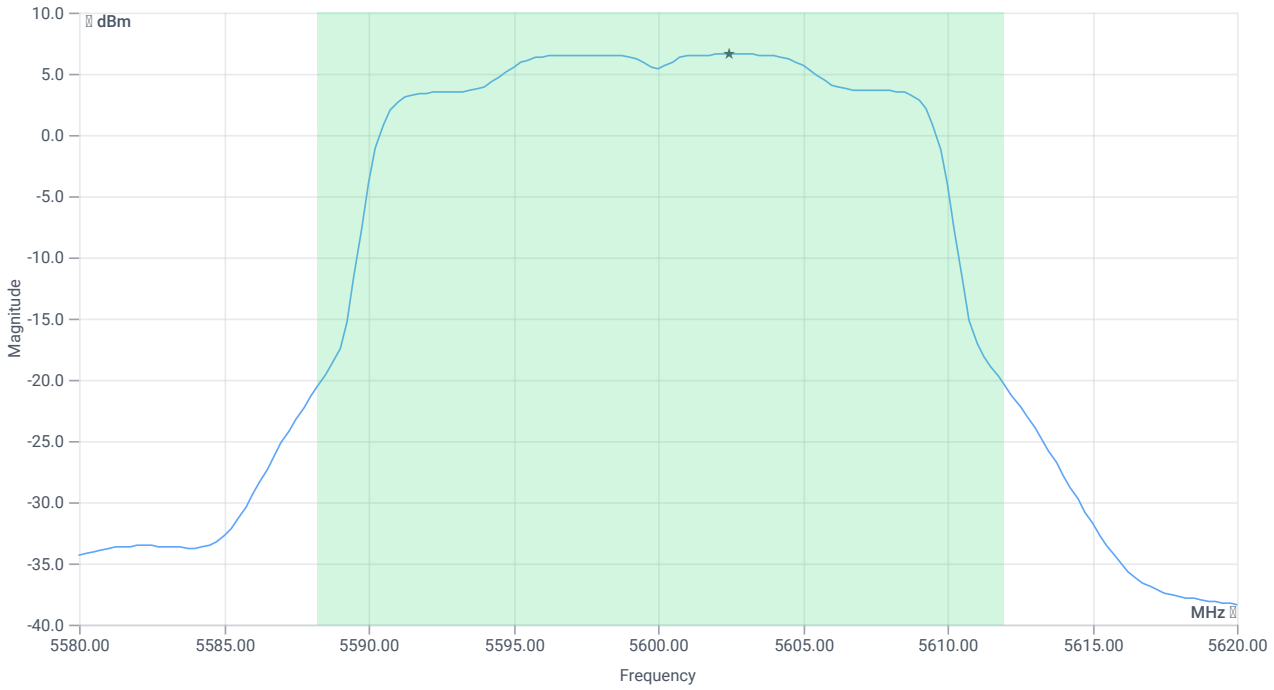
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.68	MHz	INFO
T1 26dB	---	---	5588.2400	MHz	INFO
T2 26dB	---	---	5611.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.78 | 11.62 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.85	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.94	dBm	PASS
LIMIT: 11 dBm + 10 log 23.68					
Max output power DC corrected cond	---	24.74	17.94	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.94	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.57	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.66	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:31:35
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5600 MHz

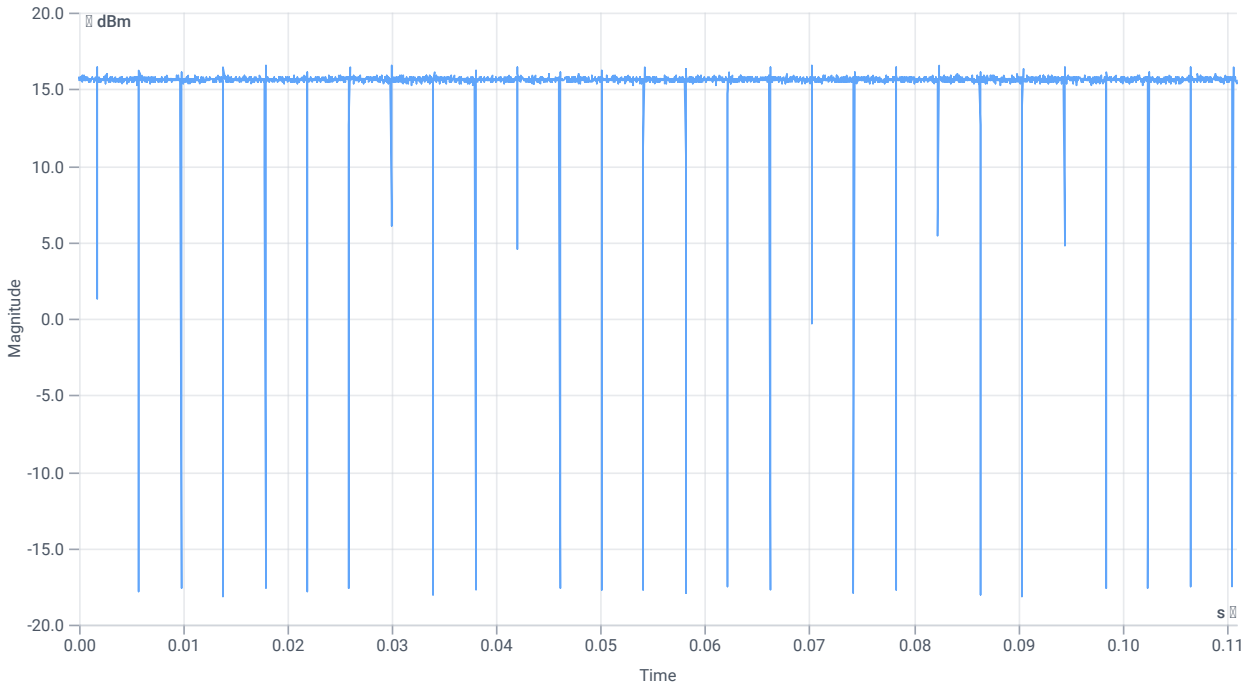
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.73	dBm	INFO
Ref. frequency	---	---	5600.600	MHz	INFO

Evaluation max. duty cycle

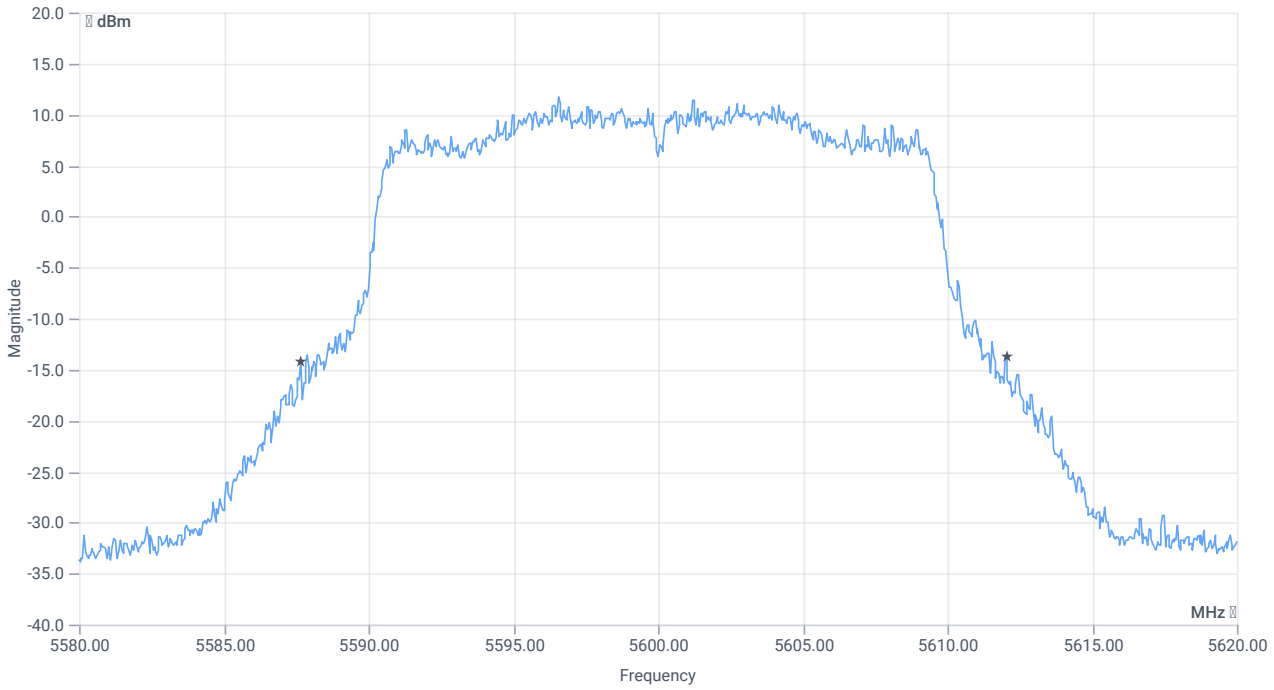
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

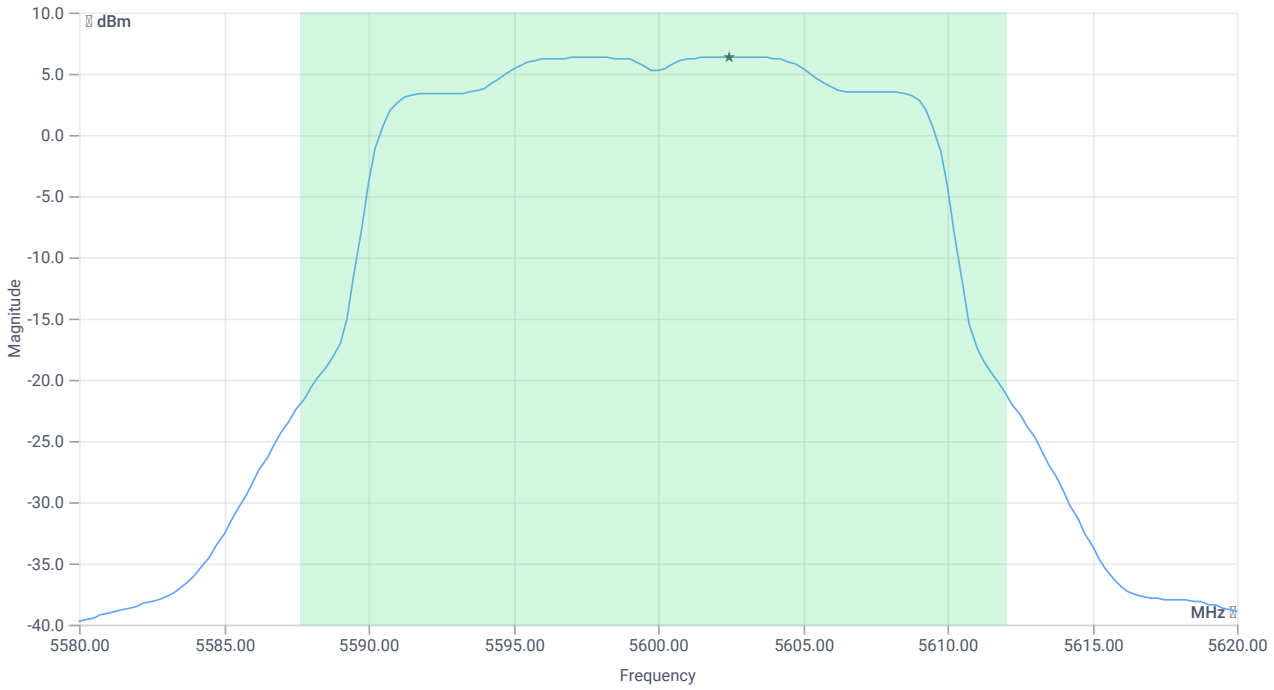
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.36	MHz	INFO
T1 26dB	---	---	5587.6800	MHz	INFO
T2 26dB	---	---	5612.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.73 | 11.67 | 30
Start [MHz] | Stop [MHz]	5580.000 | 5620.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.66	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.75	dBm	PASS
LIMIT: 11 dBm + 10 log 24.36					
Max output power DC corrected cond	---	24.87	17.75	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.75	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.43	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:33:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
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 5700 MHz

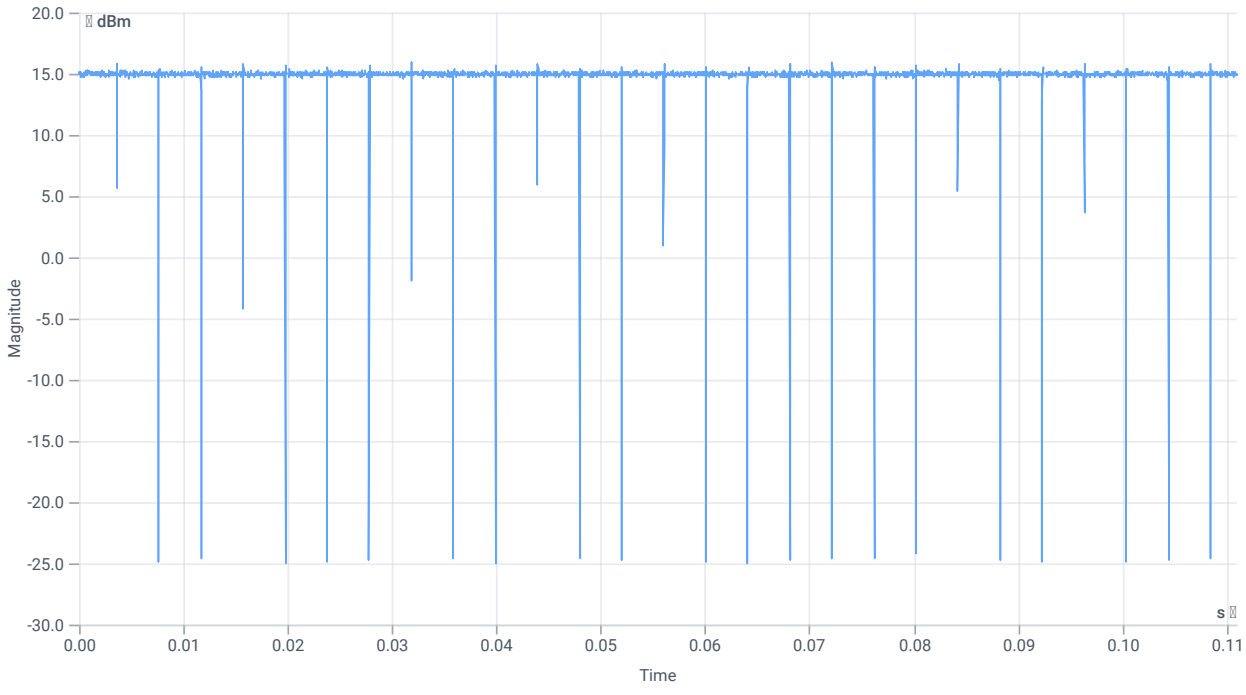
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.69	dBm	INFO
Ref. frequency	---	---	5696.000	MHz	INFO

Evaluation max. duty cycle

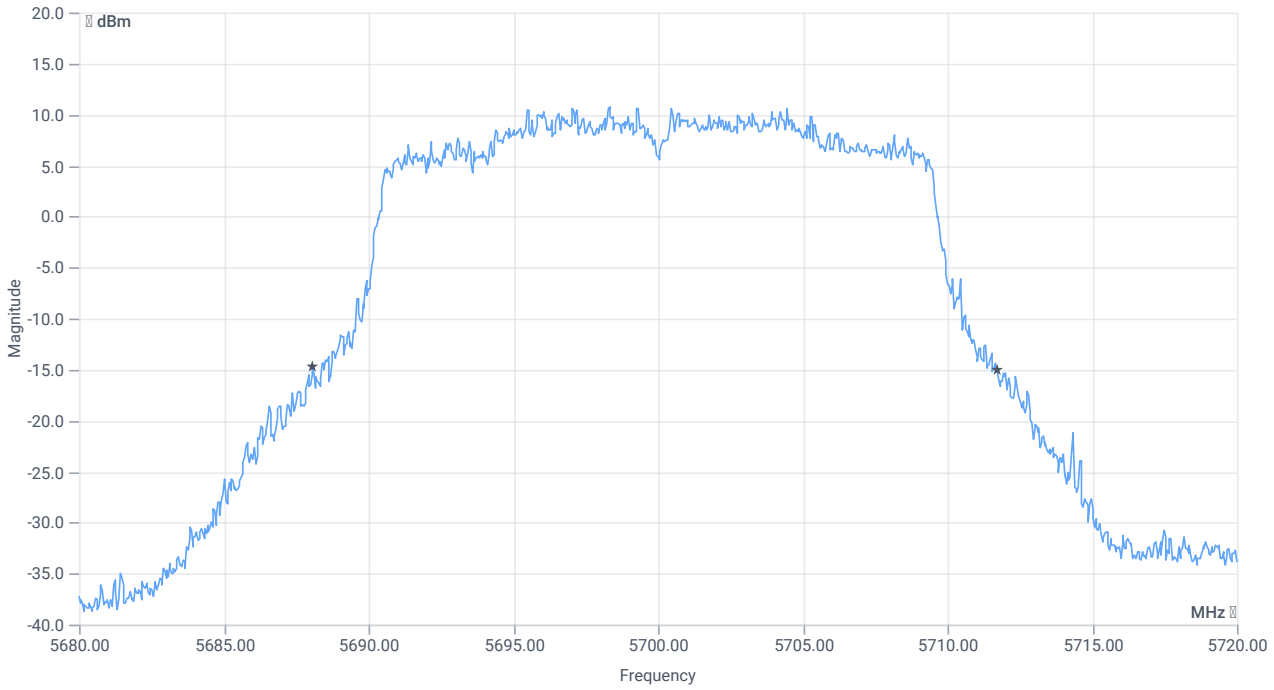
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

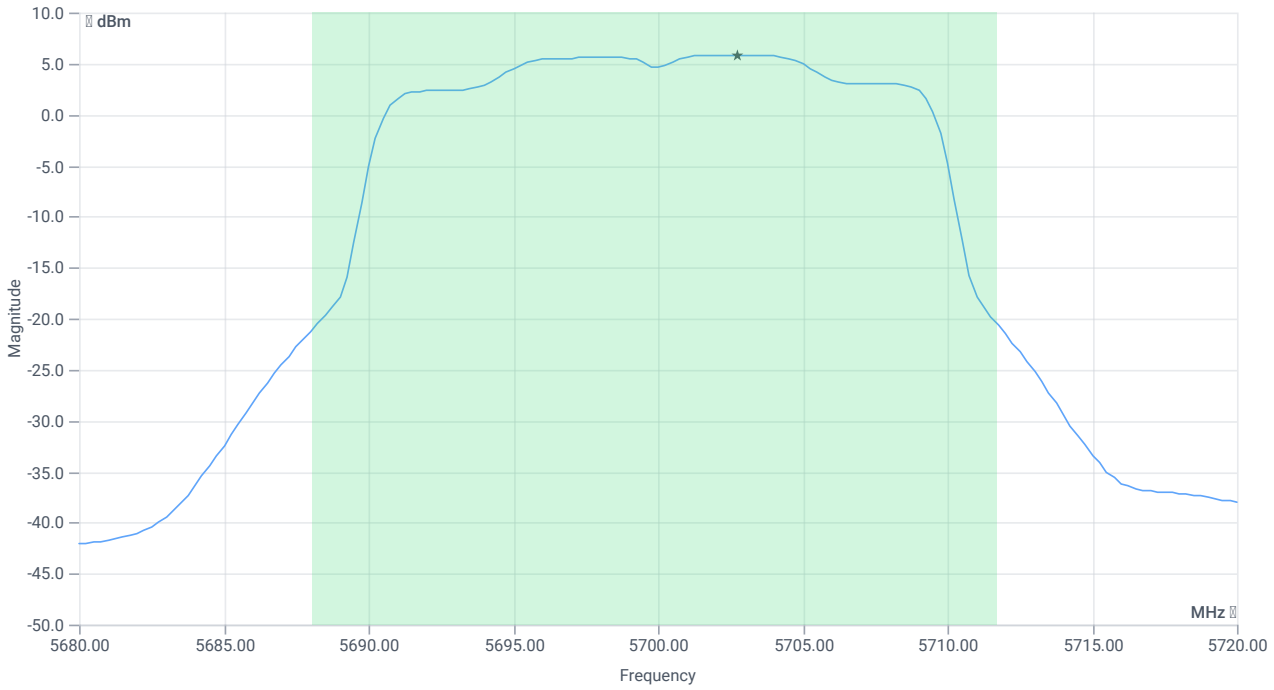
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.64	MHz	INFO
T1 26dB	---	---	5688.0800	MHz	INFO
T2 26dB	---	---	5711.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.69 | 11.52 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.09	dBm	PASS
LIMIT: 11 dBm + 10 log 23.64					
Max output power DC corrected cond	---	24.74	17.09	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.09	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.91	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	07.05.2026 10:35:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5700 MHz

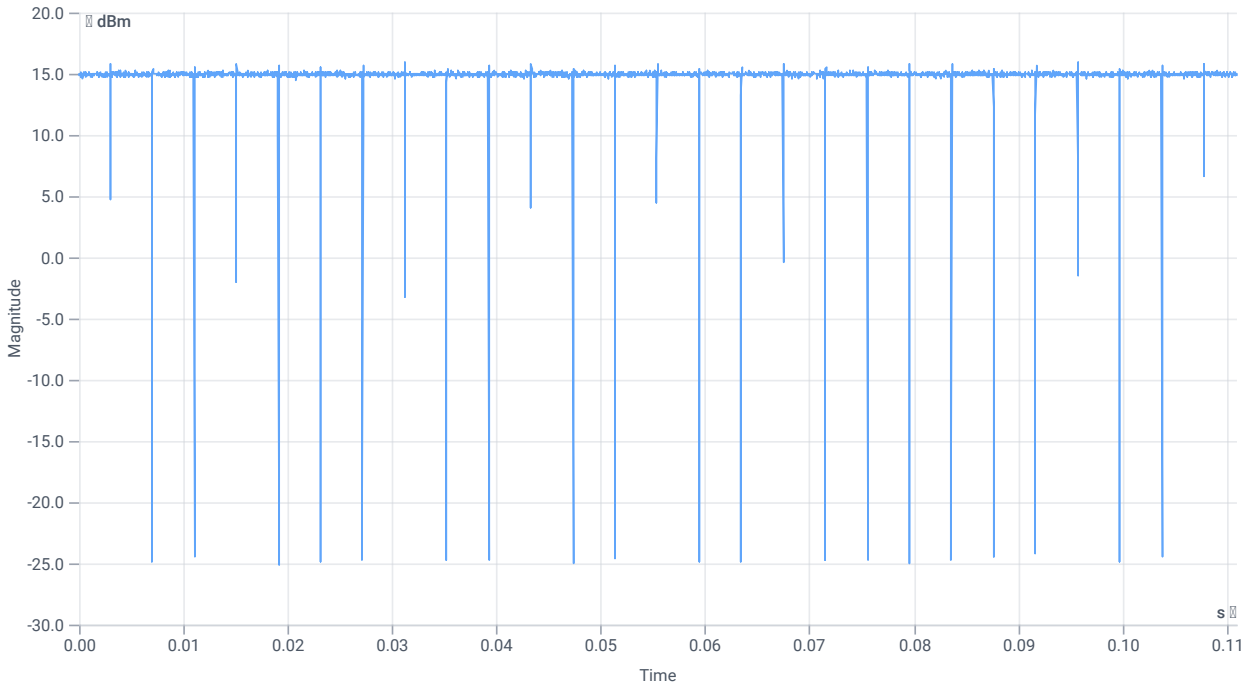
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.89	dBm	INFO
Ref. frequency	---	---	5700.800	MHz	INFO

Evaluation max. duty cycle

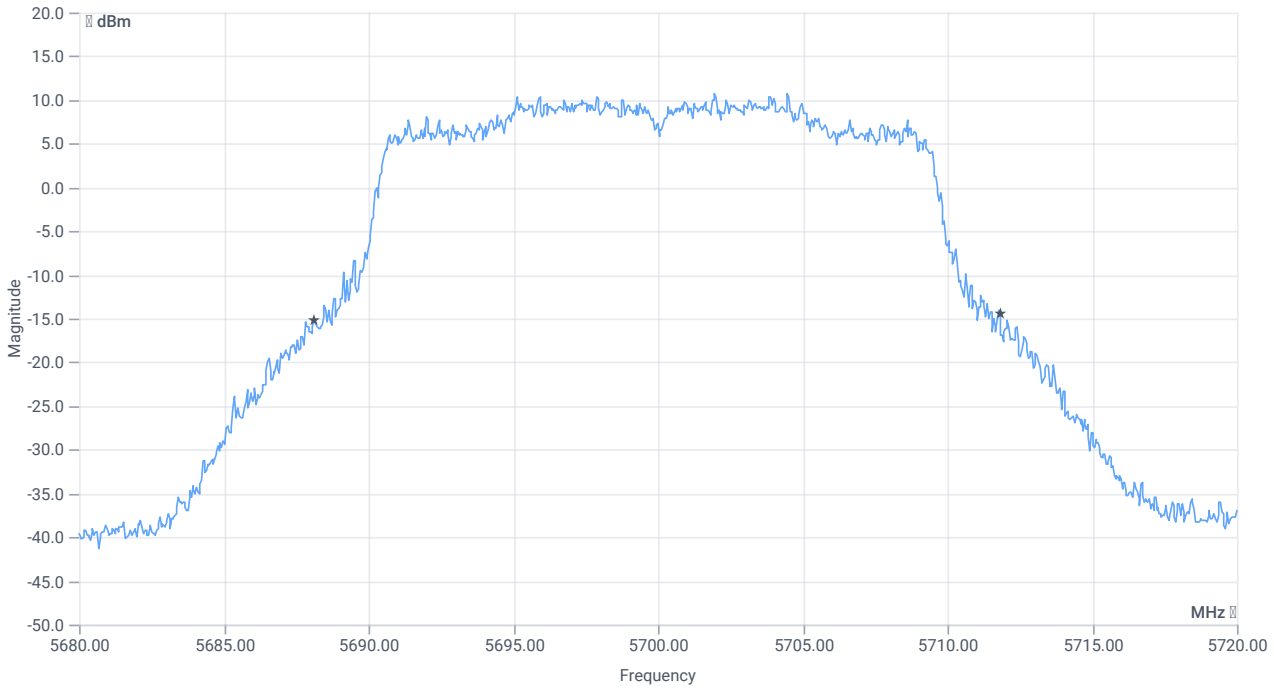
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

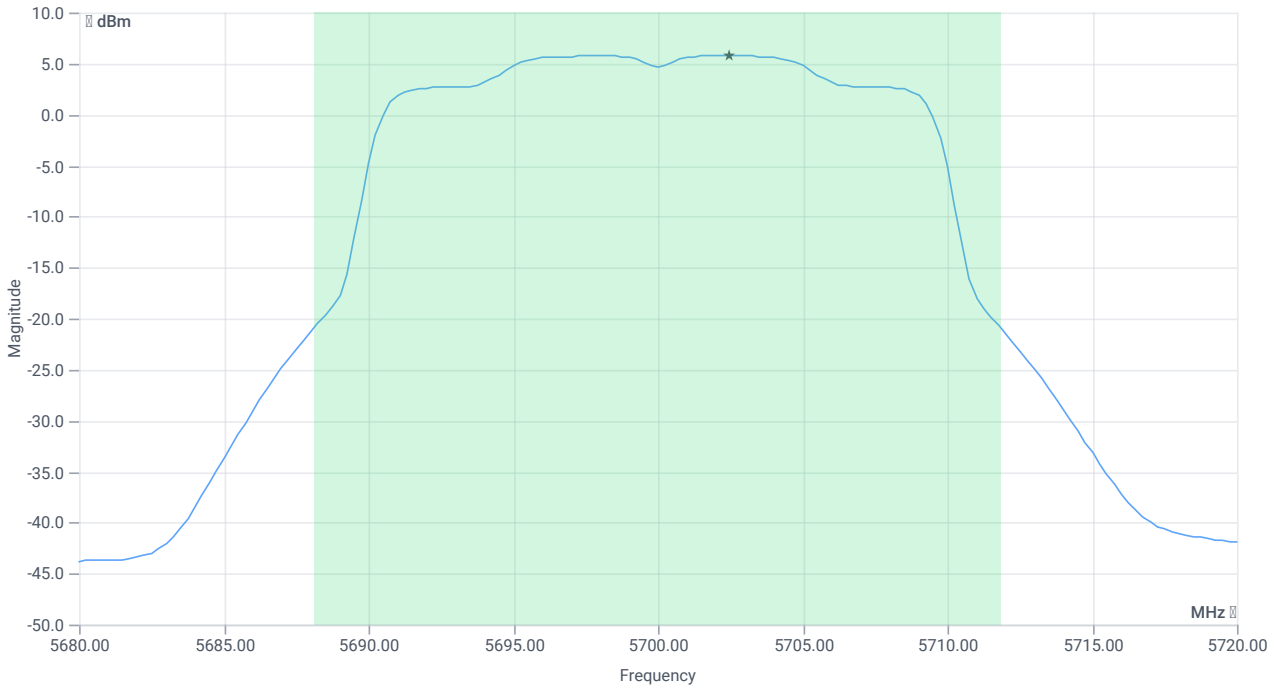
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.68	MHz	INFO
T1 26dB	---	---	5688.1200	MHz	INFO
T2 26dB	---	---	5711.8000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.89 | 11.54 | 30
Start [MHz] | Stop [MHz]	5680.000 | 5720.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.09	dBm	PASS
LIMIT: 11 dBm + 10 log 23.68					
Max output power DC corrected cond	---	24.74	17.09	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.09	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.74	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.83	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	07.05.2026 16:30:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
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 5755 MHz

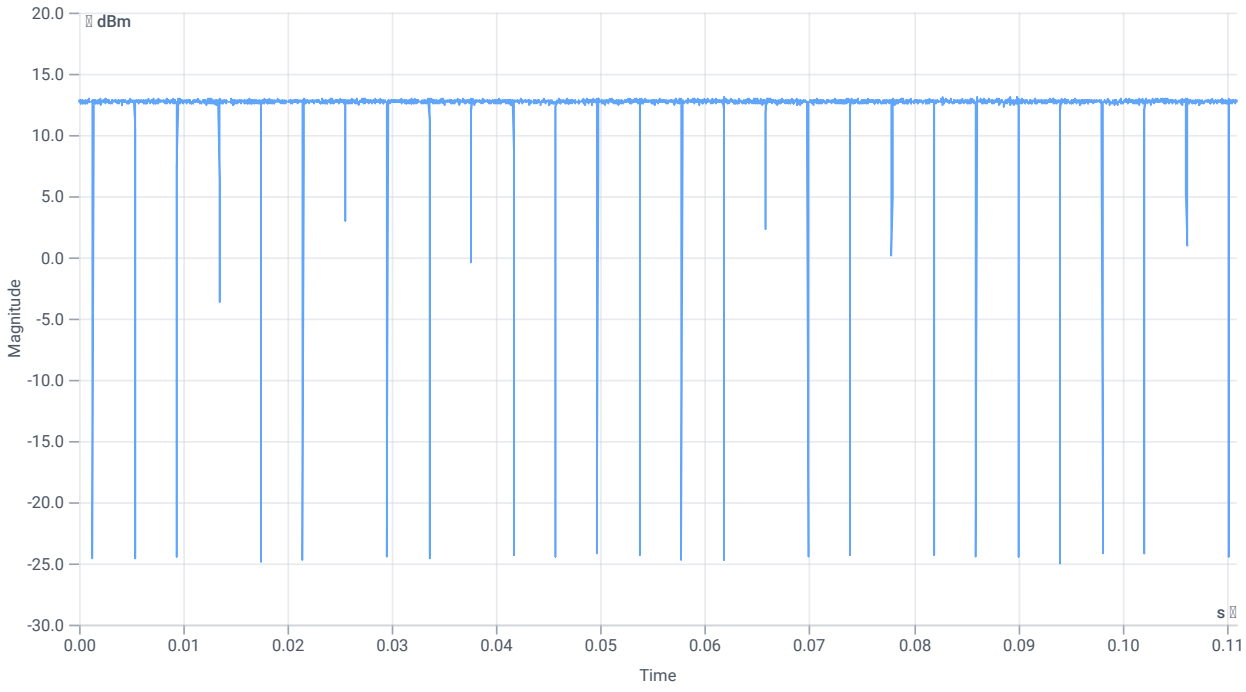
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.65	dBm	INFO
Ref. frequency	---	---	5767.790	MHz	INFO

Evaluation max. duty cycle

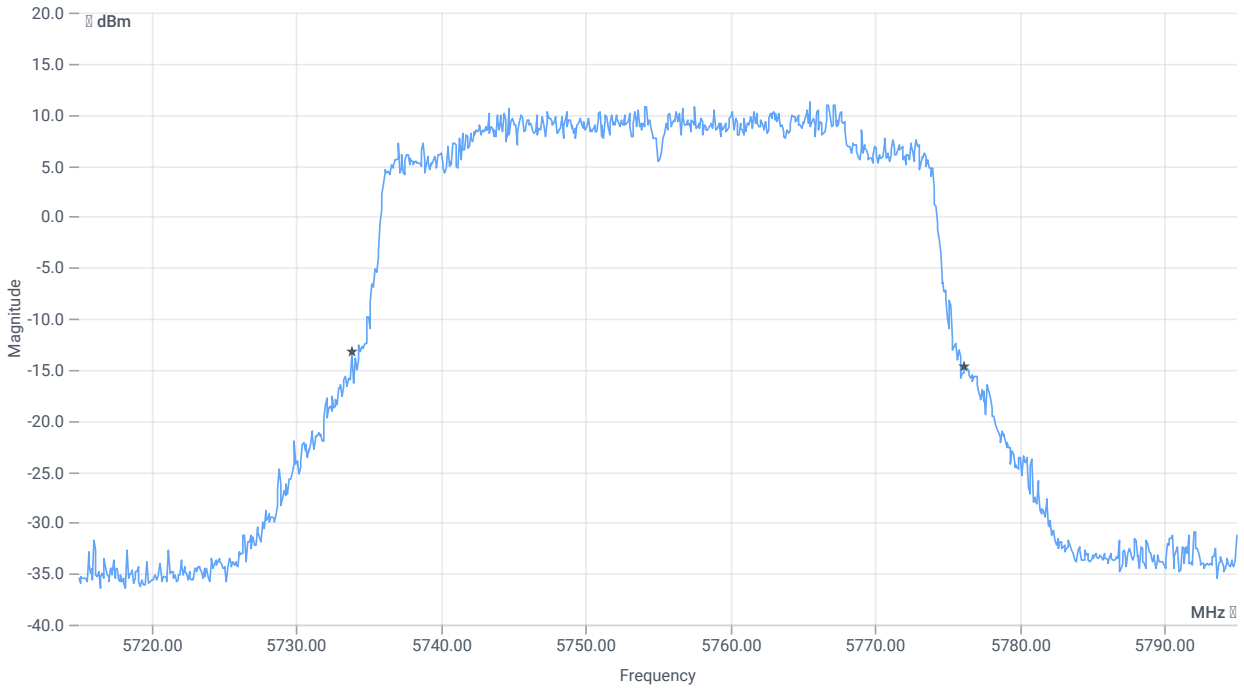
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

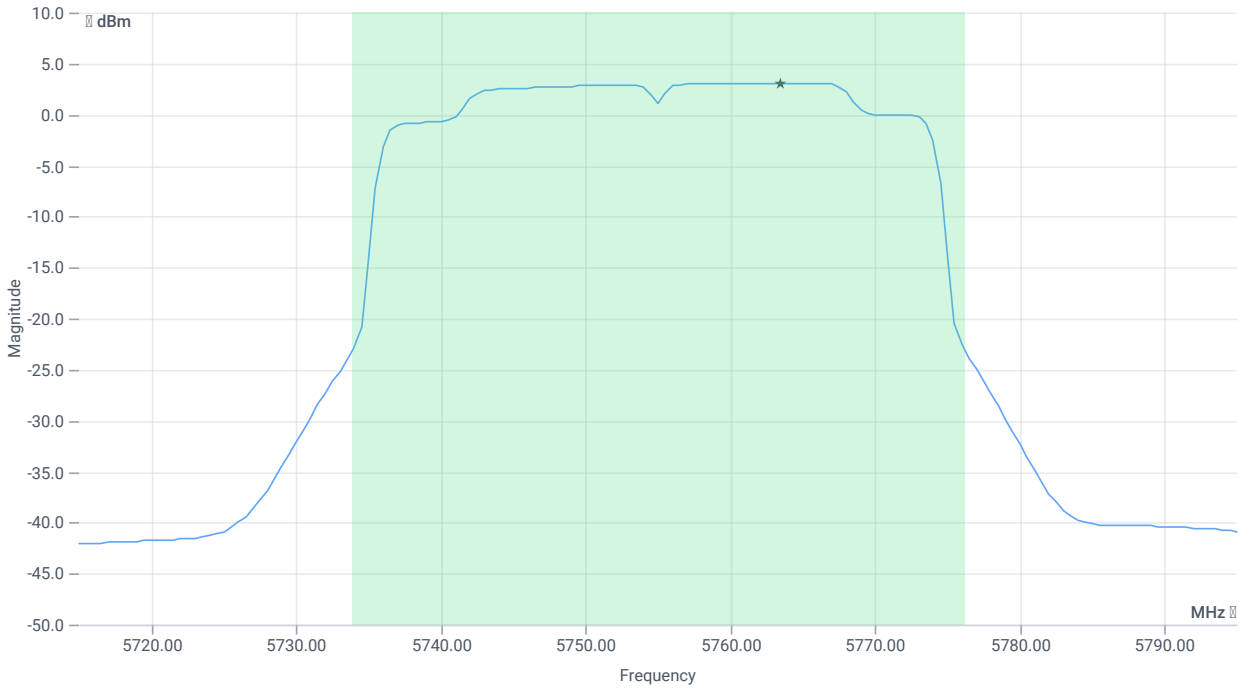
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.4	MHz	INFO
T1 26dB	---	---	5733.8000	MHz	INFO
T2 26dB	---	---	5776.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.65 | 11.37 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

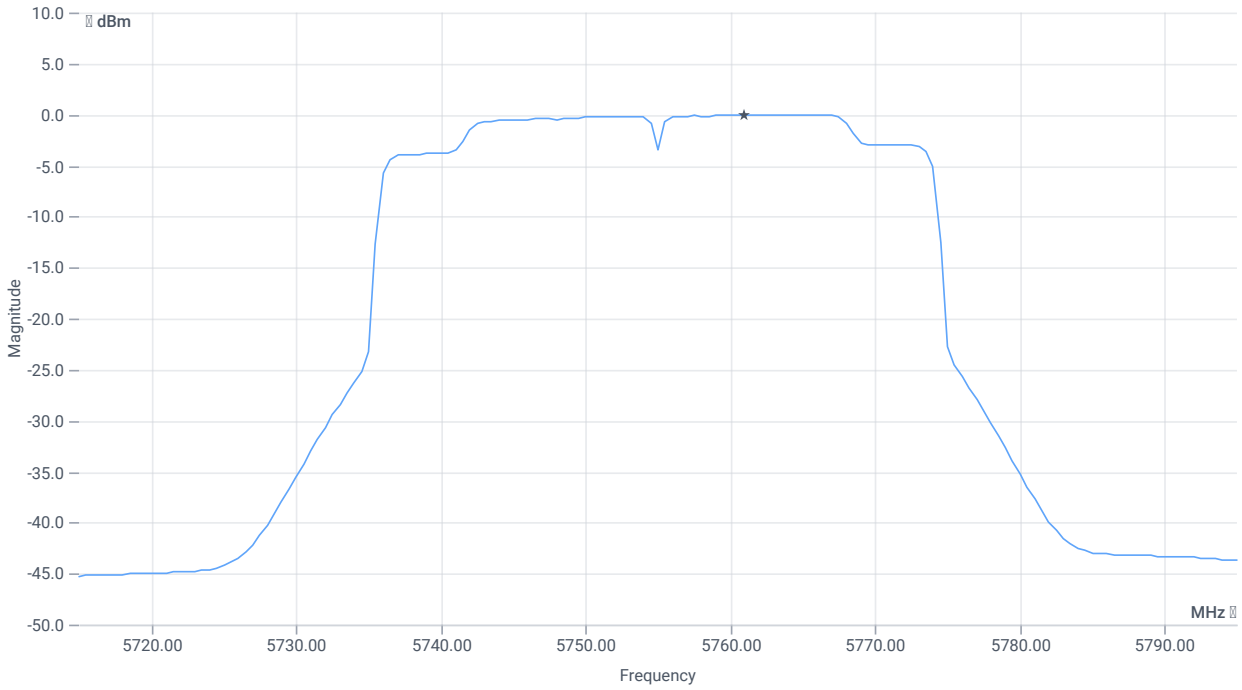
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.55	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.64	dBm	PASS
LIMIT: 11 dBm + 10 log 42.4					
Max output power DC corrected cond	---	27.27	17.64	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.65 | 11.37 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.01	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	0.1	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	07.05.2026 16:32:59
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

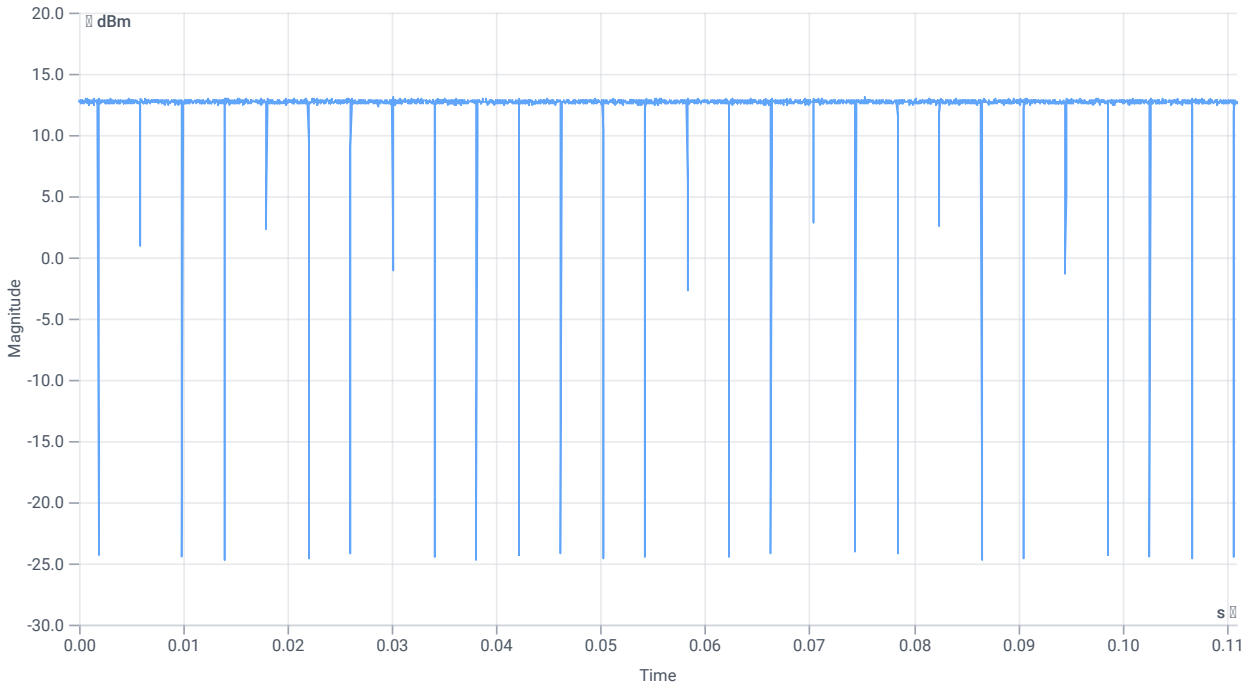
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.29	dBm	INFO
Ref. frequency	---	---	5760.790	MHz	INFO

Evaluation max. duty cycle

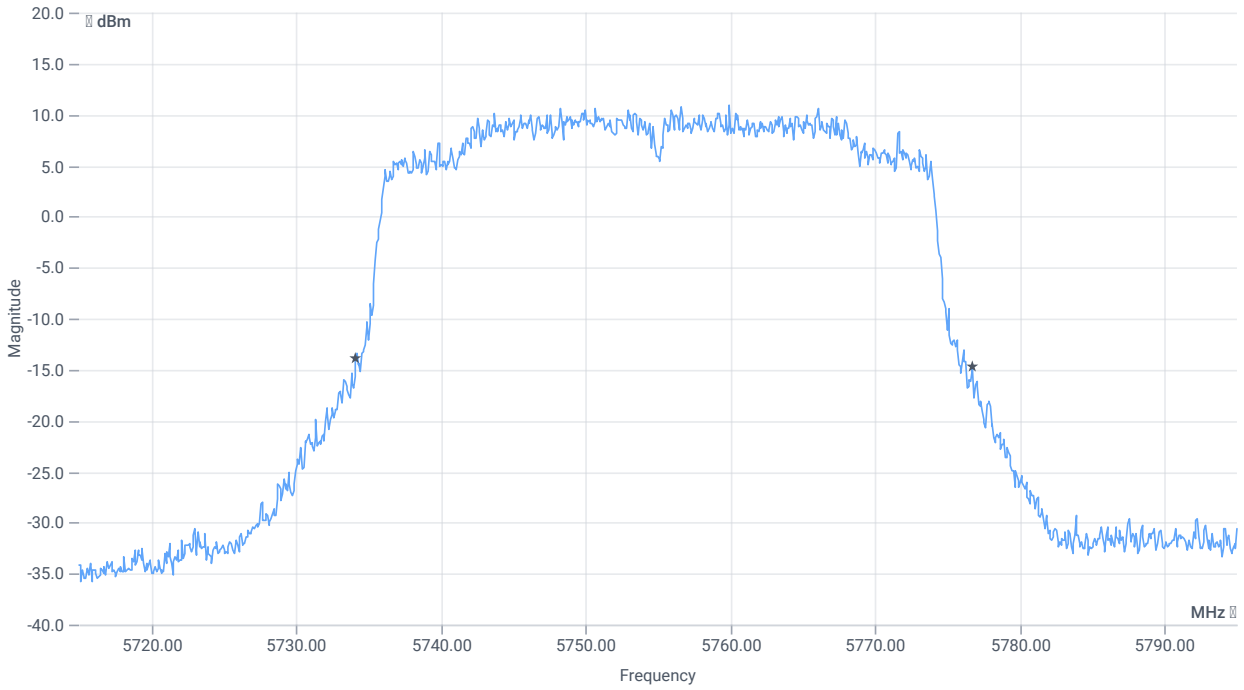
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

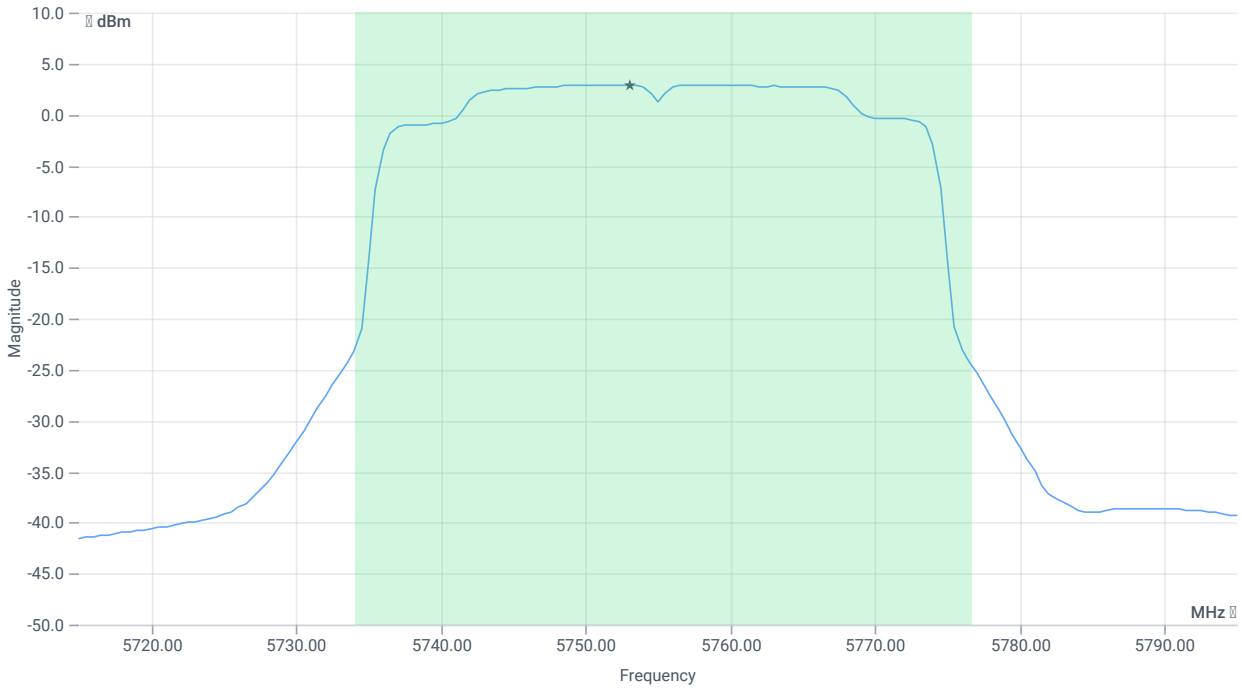
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.64	MHz	INFO
T1 26dB	---	---	5734.1200	MHz	INFO
T2 26dB	---	---	5776.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.29 | 11.43 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

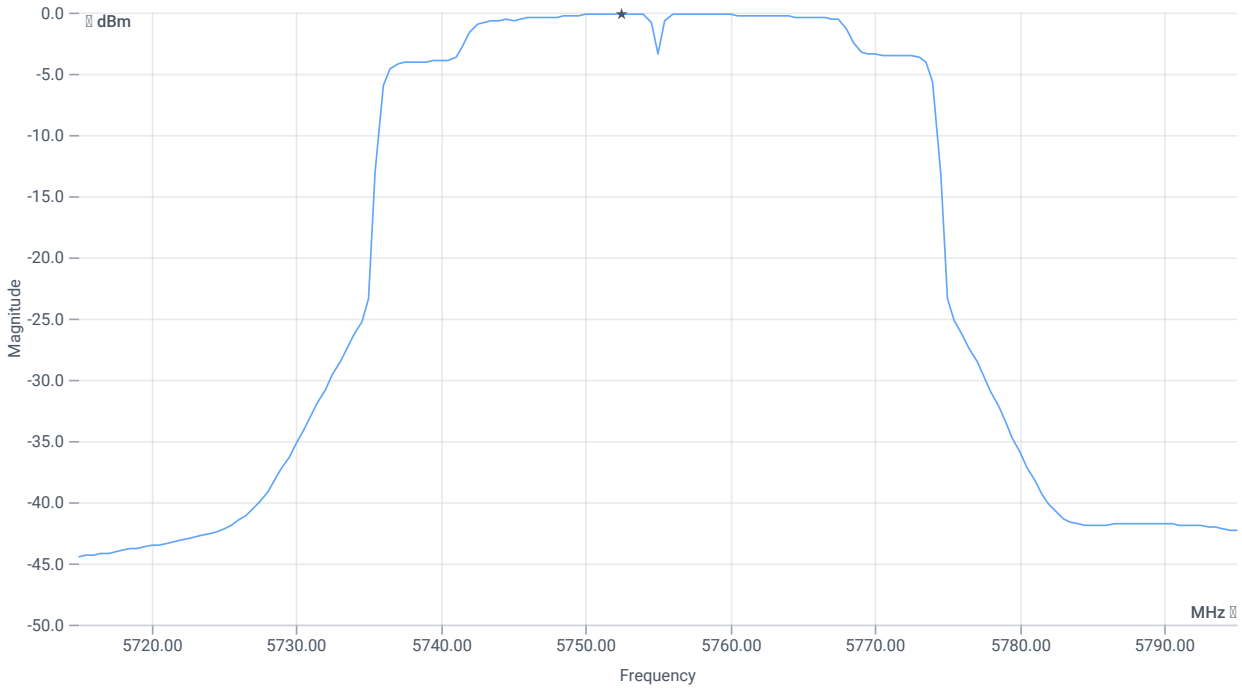
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.42	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.51	dBm	PASS
LIMIT: 11 dBm + 10 log 42.64					
Max output power DC corrected cond	---	27.3	17.51	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.29 | 11.43 | 30
Start [MHz] | Stop [MHz]	5715.000 | 5795.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.12	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-0.03	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	07.05.2026 16:36:01
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
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 5795 MHz

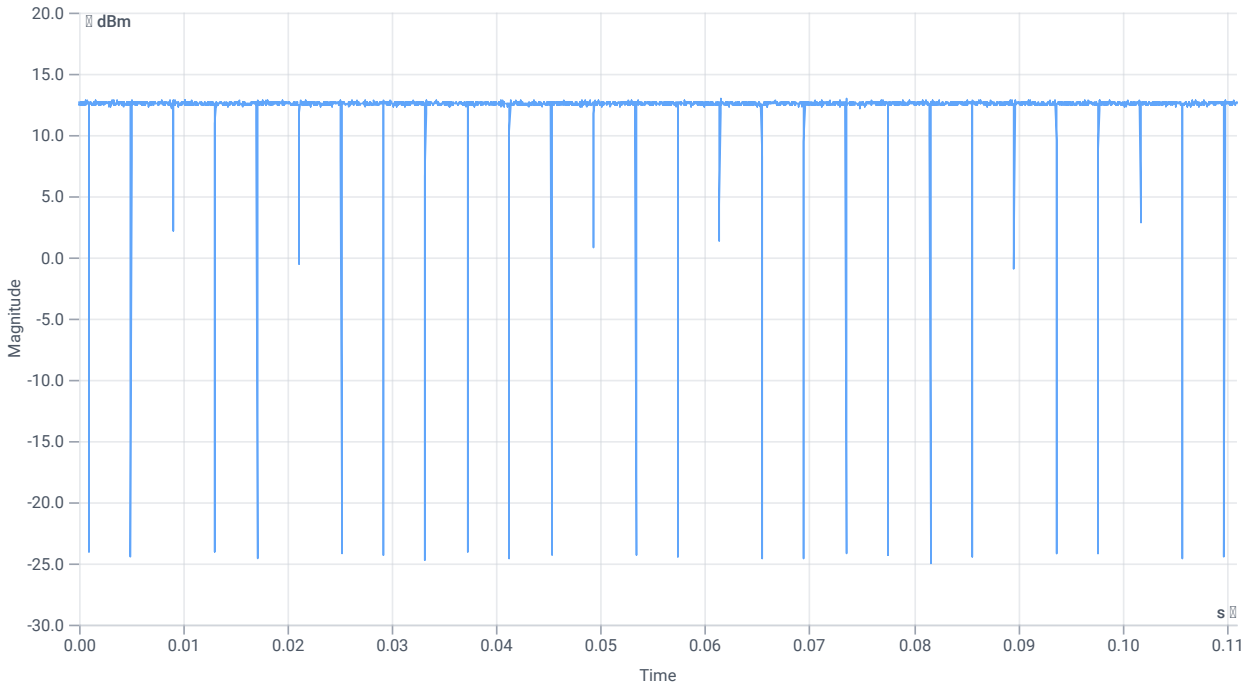
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.13	dBm	INFO
Ref. frequency	---	---	5802.990	MHz	INFO

Evaluation max. duty cycle

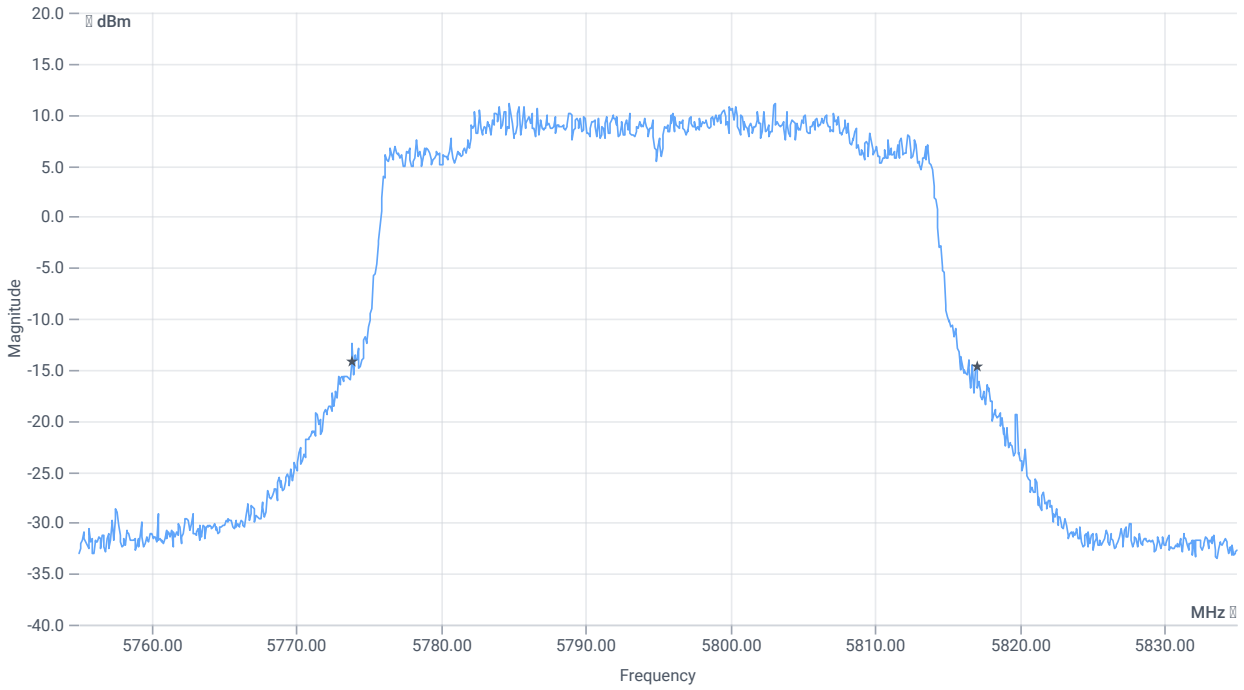
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

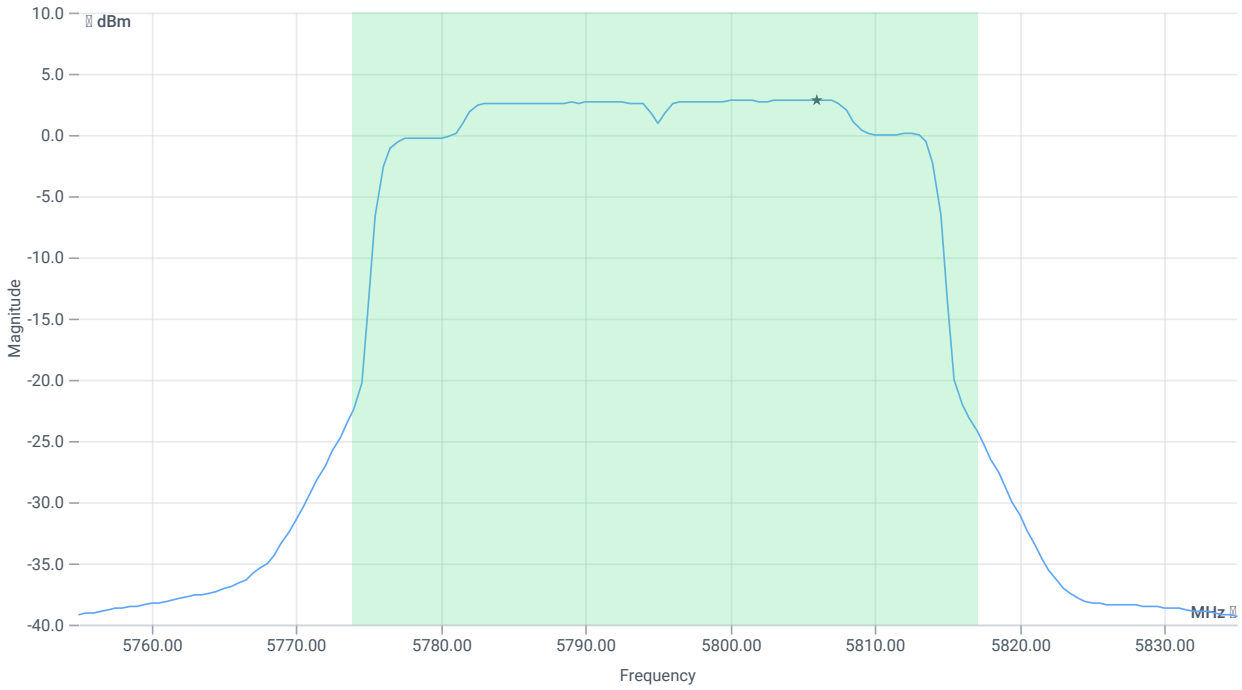
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.2	MHz	INFO
T1 26dB	---	---	5773.8000	MHz	INFO
T2 26dB	---	---	5817.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.13 | 11.37 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

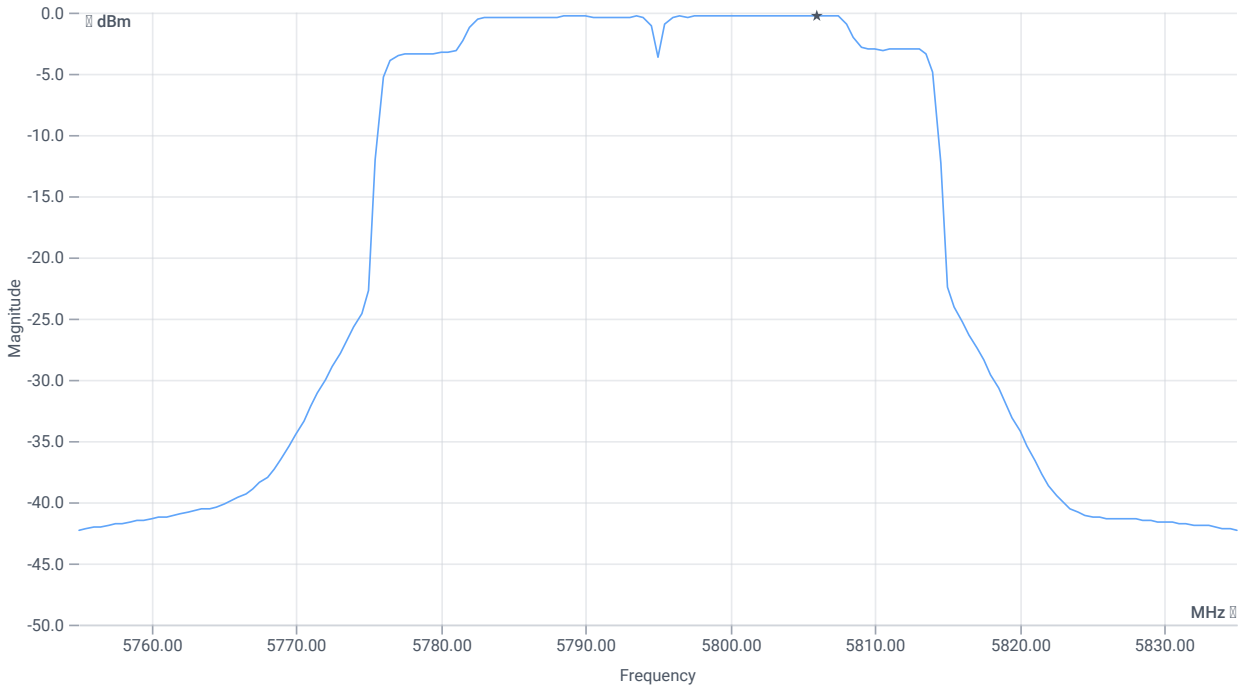
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.48	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.57	dBm	PASS
LIMIT: 11 dBm + 10 log 43.2					
Max output power DC corrected cond	---	27.35	17.57	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.13 | 11.37 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.22	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-0.13	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	07.05.2026 16:38:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

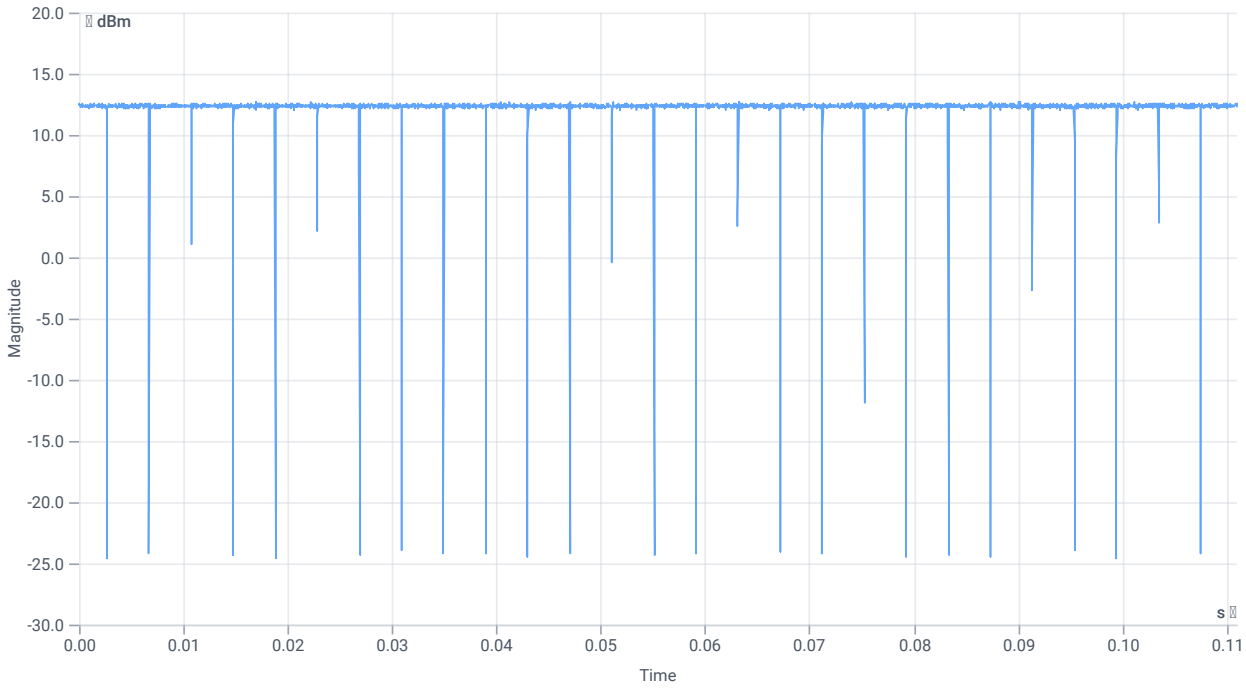
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.56	dBm	INFO
Ref. frequency	---	---	5800.590	MHz	INFO

Evaluation max. duty cycle

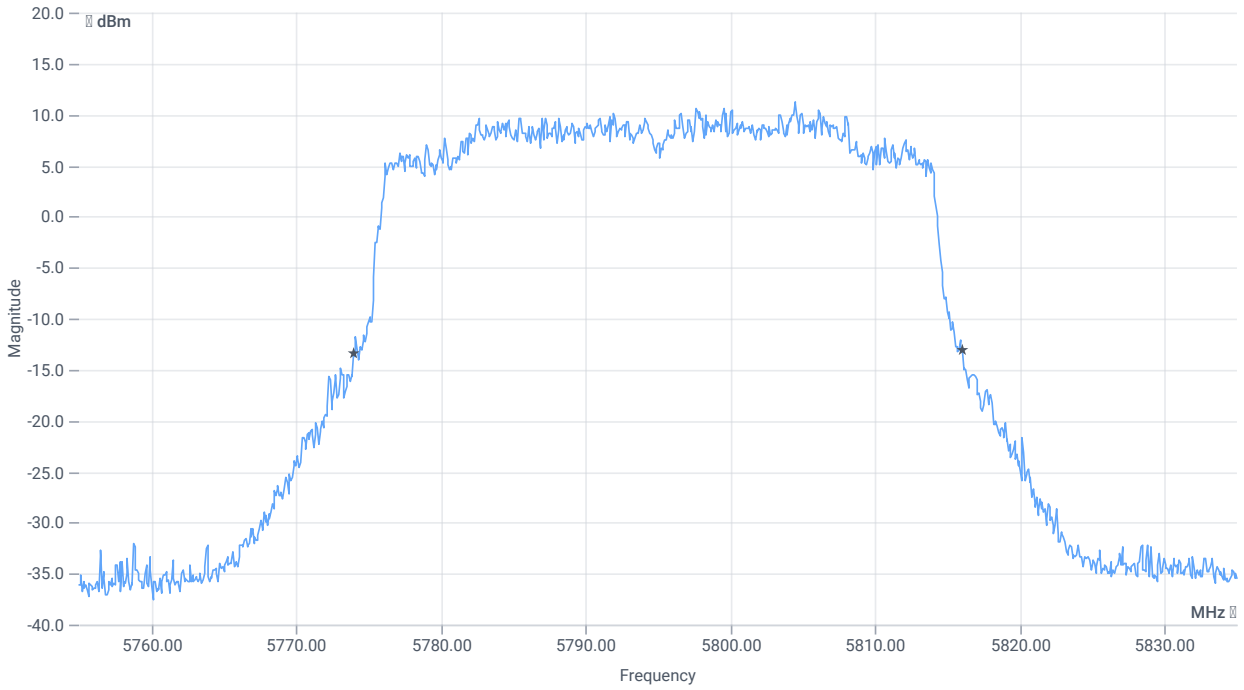
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

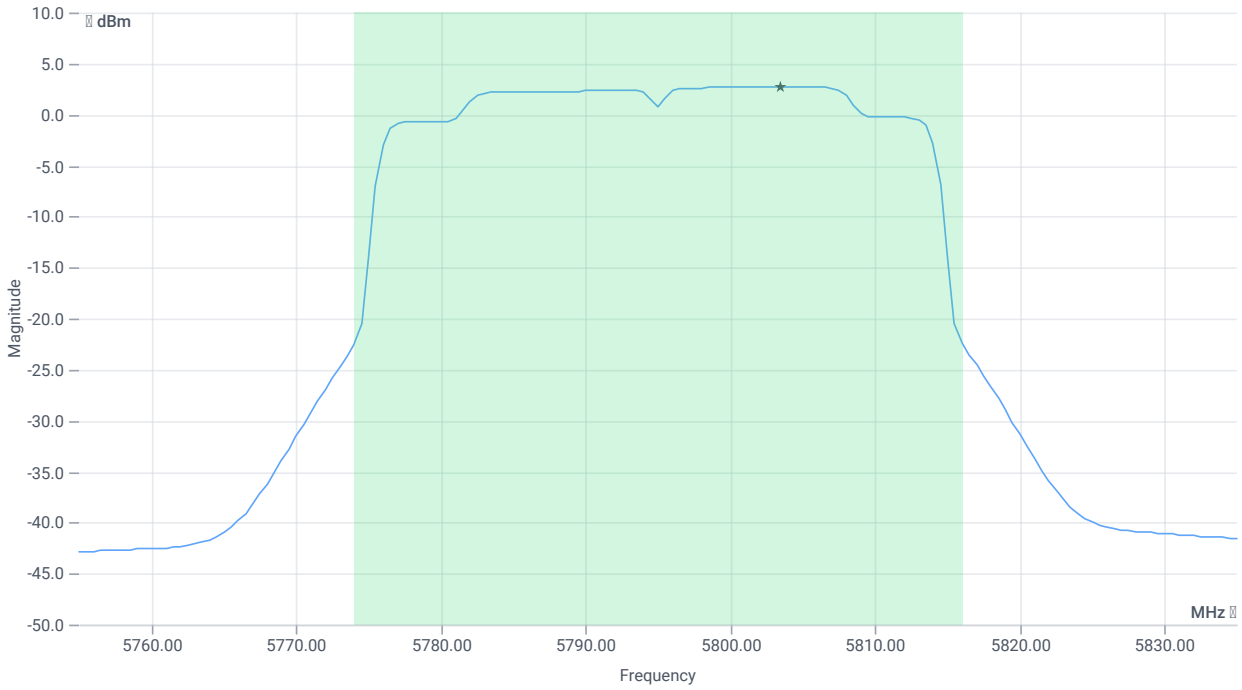
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.08	MHz	INFO
T1 26dB	---	---	5773.9600	MHz	INFO
T2 26dB	---	---	5816.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.56 | 11.39 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

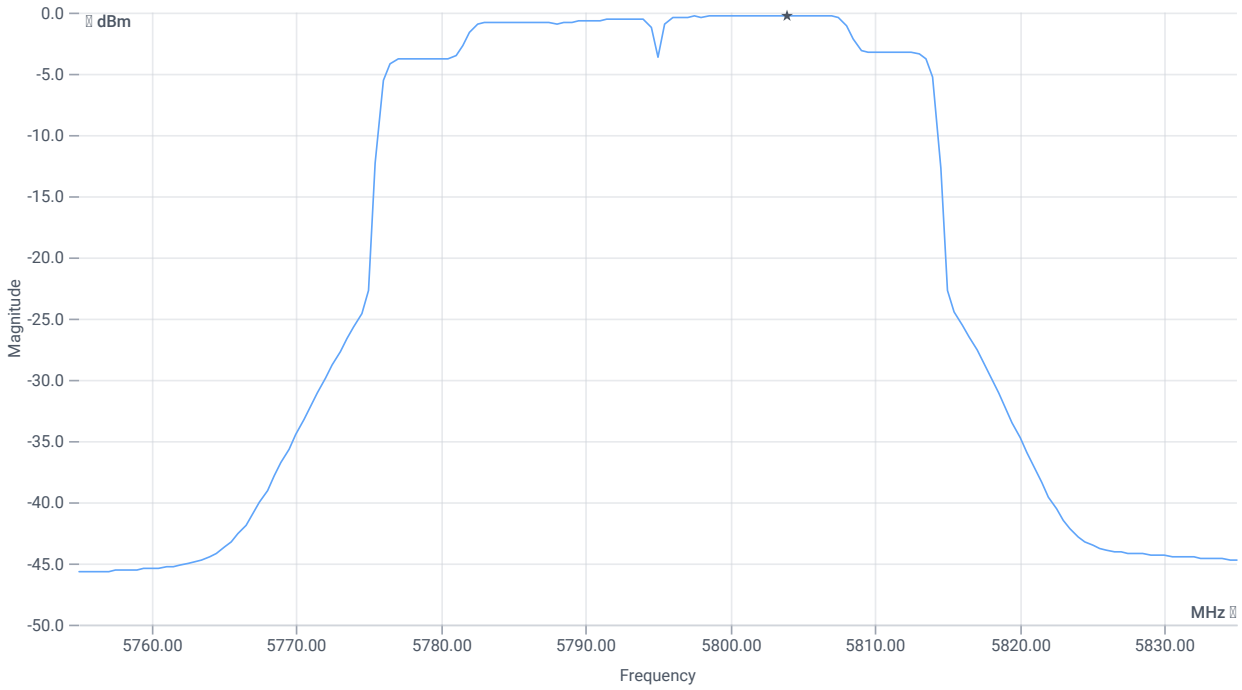
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.21	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.3	dBm	PASS
LIMIT: 11 dBm + 10 log 42.08					
Max output power DC corrected cond	---	27.24	17.3	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.56 | 11.39 | 30
Start [MHz] | Stop [MHz]	5755.000 | 5835.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.23	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-0.14	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	06.05.2026 09:32:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
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 5190 MHz

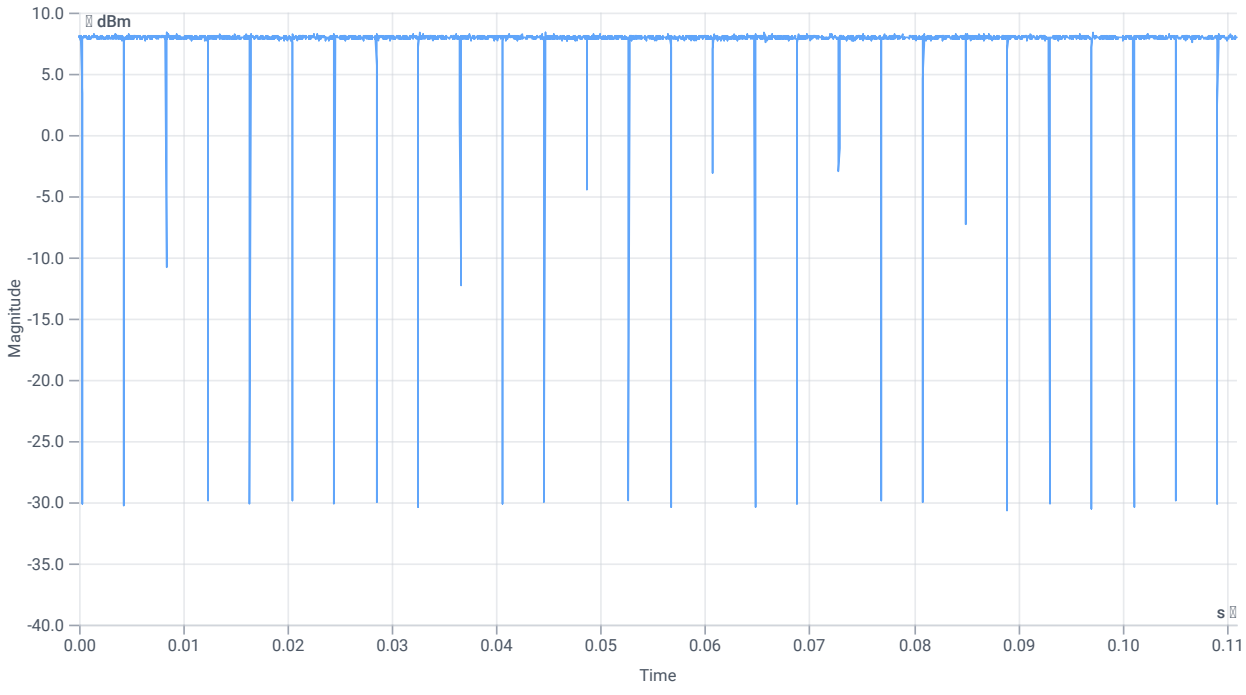
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.75	dBm	INFO
Ref. frequency	---	---	5180.610	MHz	INFO

Evaluation max. duty cycle

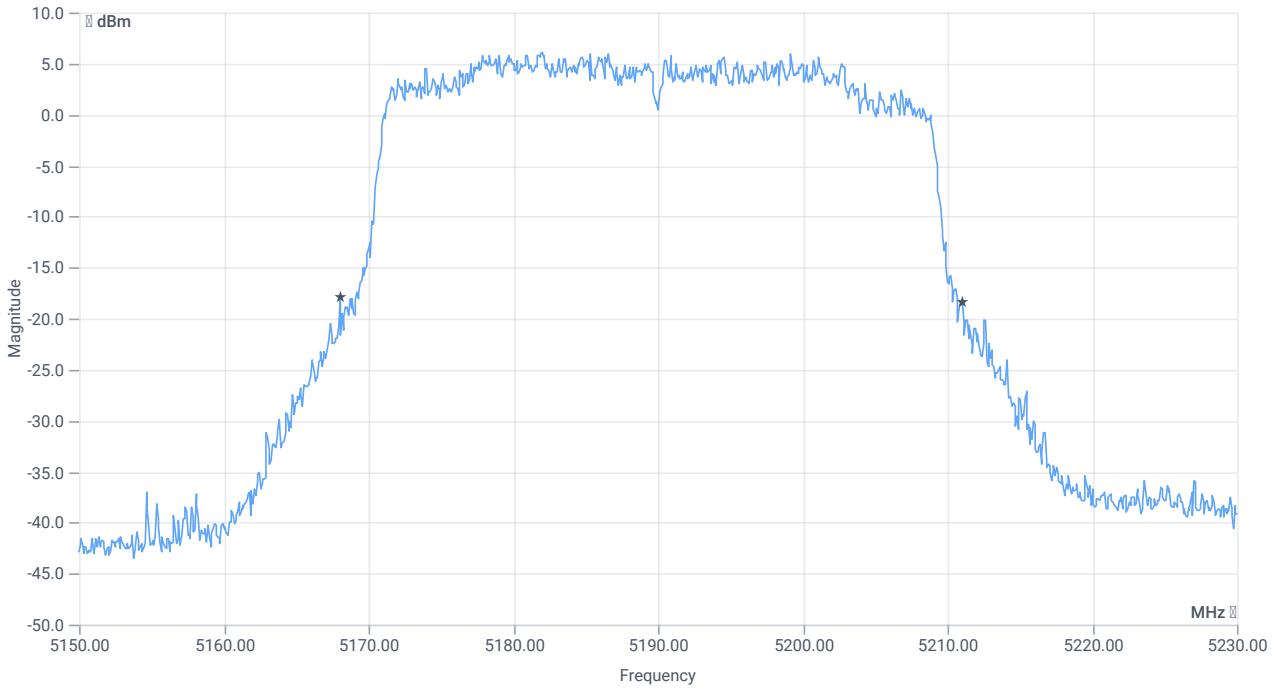
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

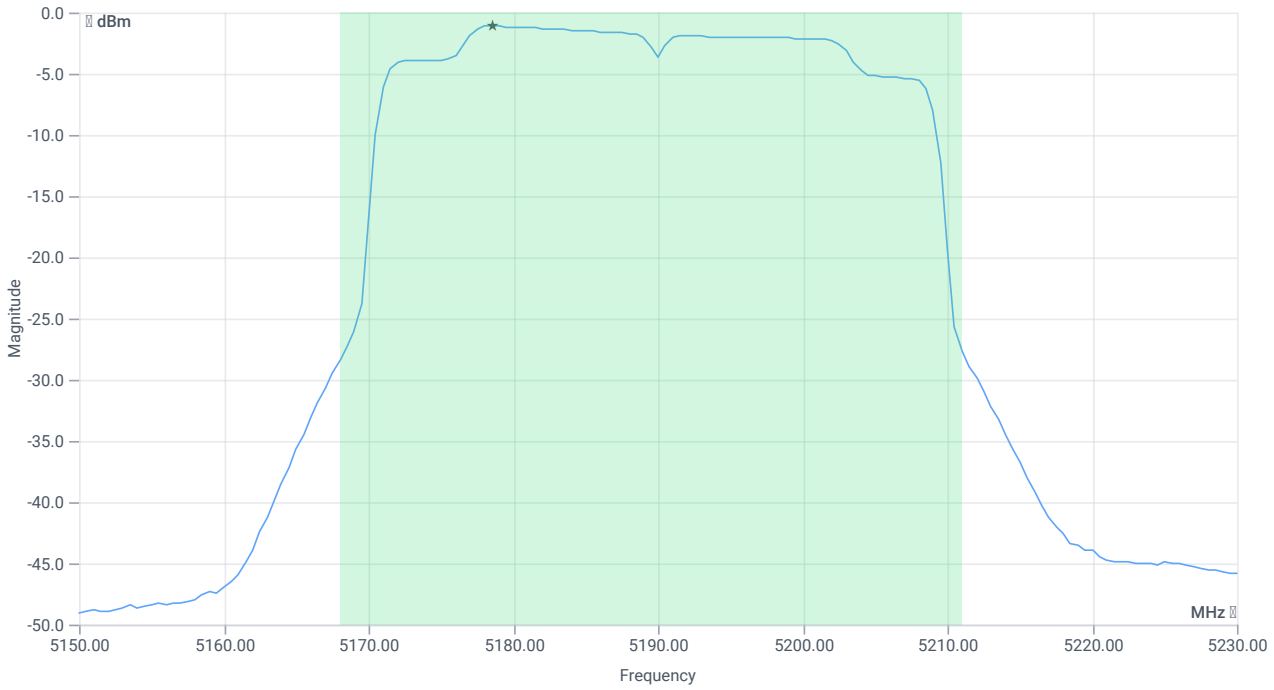
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.04	MHz	INFO
T1 26dB	---	---	5168.0000	MHz	INFO
T2 26dB	---	---	5211.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.75 | 11.52 | 25
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.06	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.15	dBm	PASS
LIMIT: 11 dBm + 10 log 43.04					
Max output power DC corrected cond	---	27.34	13.15	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.13	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-1.04	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	06.05.2026 09:34:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5190 MHz

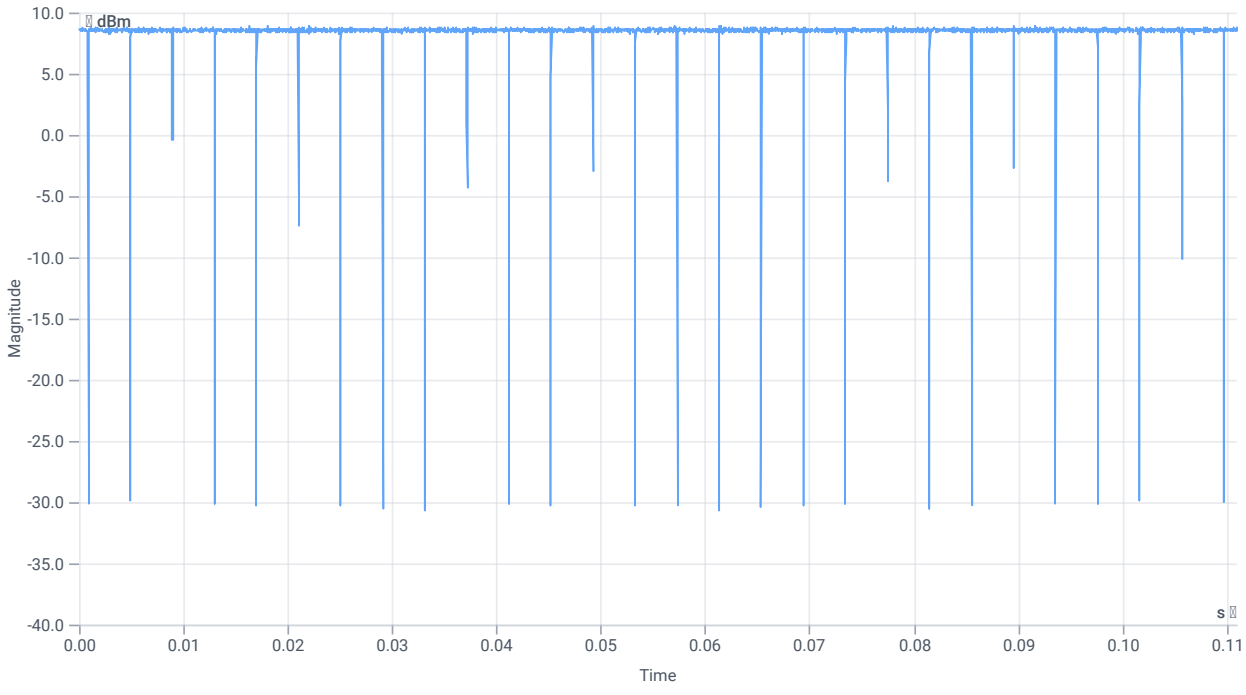
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.29	dBm	INFO
Ref. frequency	---	---	5179.810	MHz	INFO

Evaluation max. duty cycle

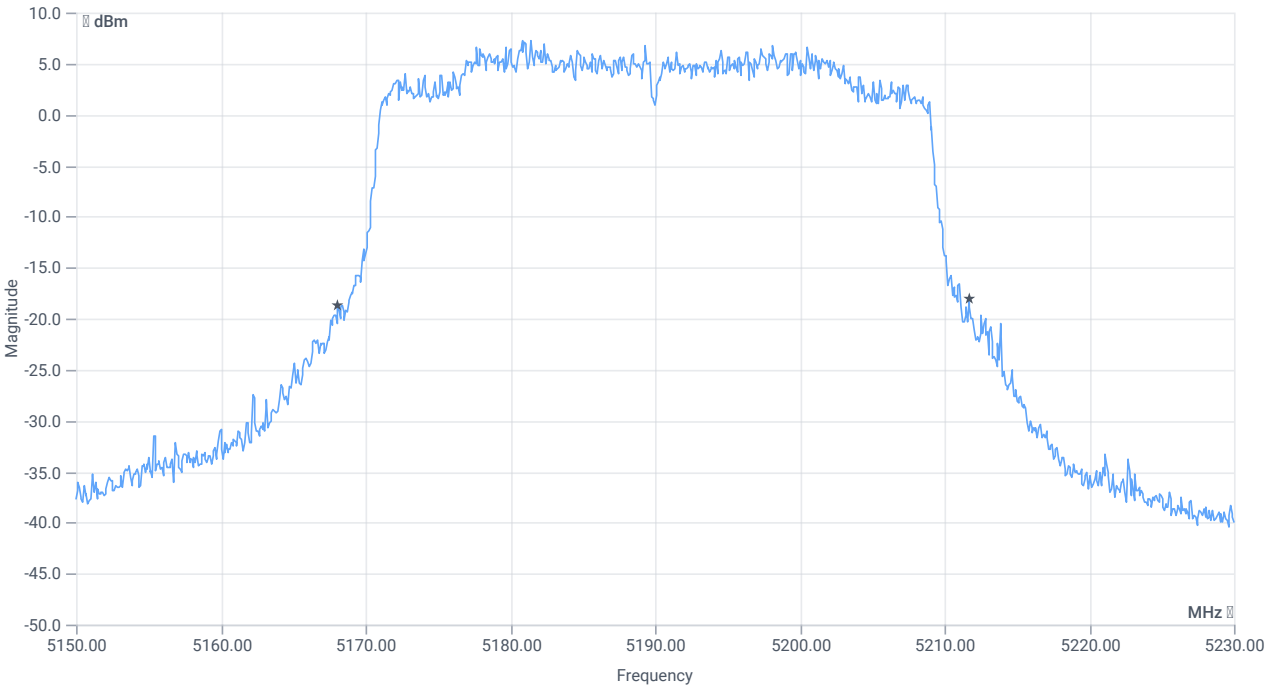
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

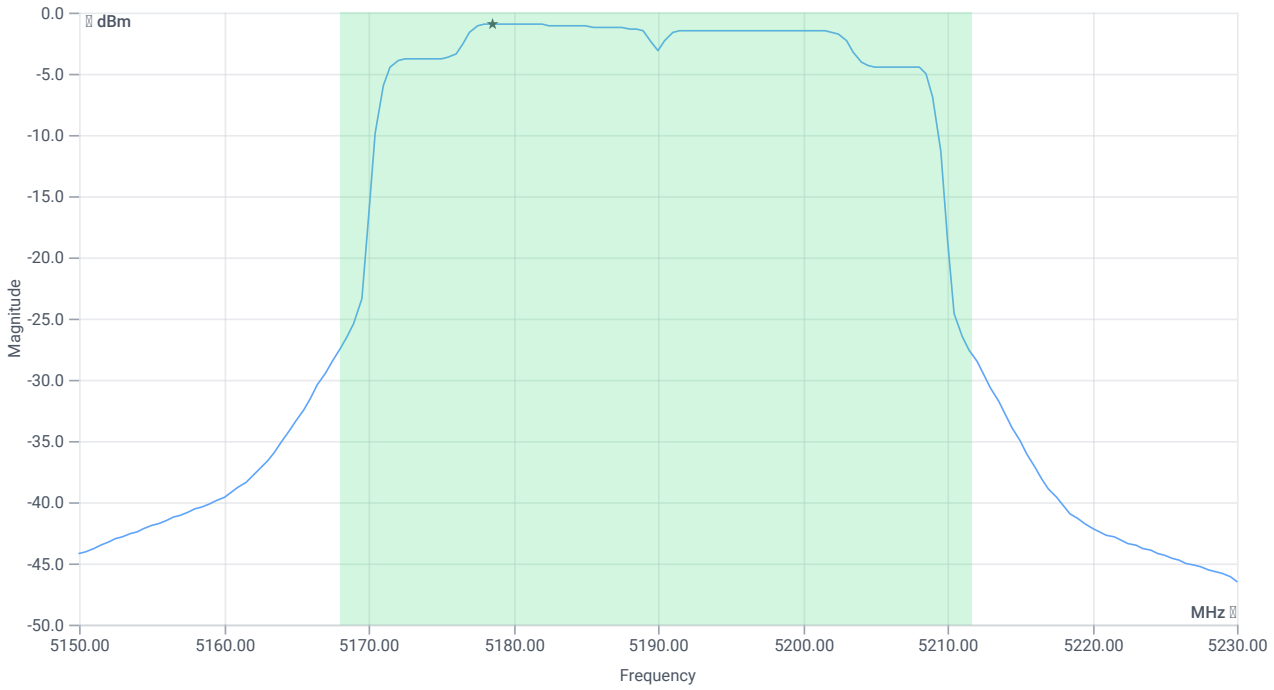
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.6	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5211.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.29 | 11.52 | 25
Start [MHz] | Stop [MHz]	5150.000 | 5230.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.51	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.6	dBm	PASS
LIMIT: 11 dBm + 10 log 43.6					
Max output power DC corrected cond	---	27.39	13.6	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.9	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-0.81	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	06.05.2026 09:36:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
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 5230 MHz

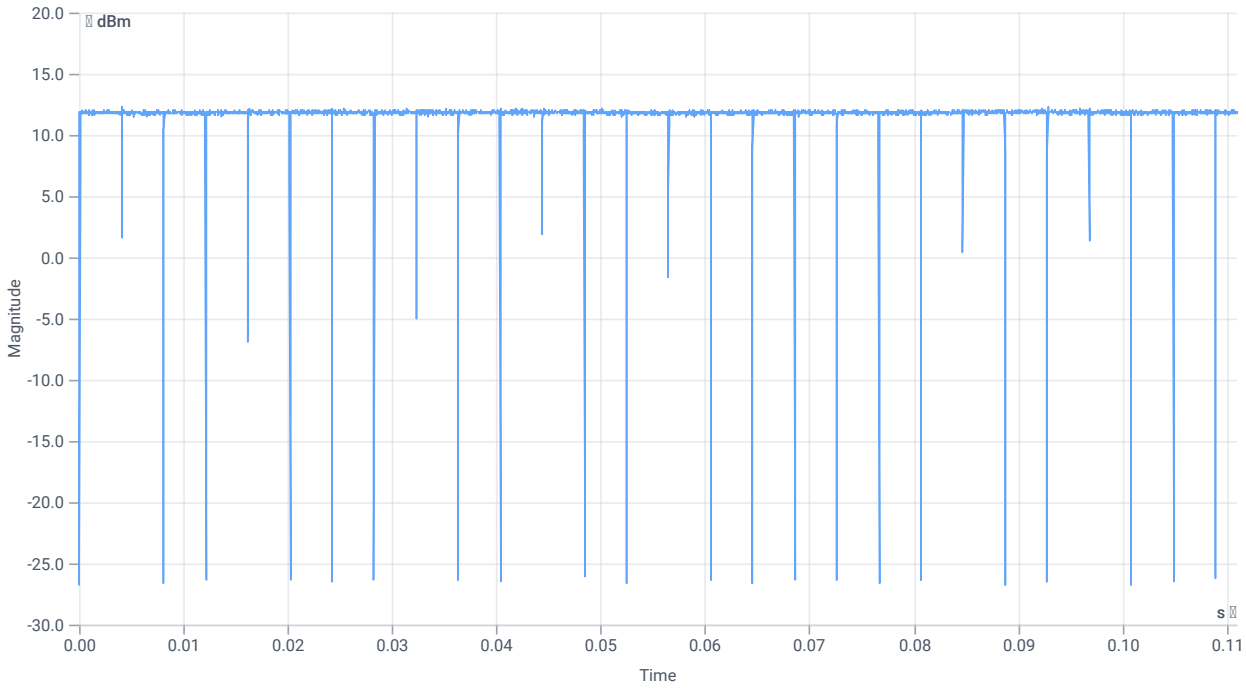
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.32	dBm	INFO
Ref. frequency	---	---	5219.810	MHz	INFO

Evaluation max. duty cycle

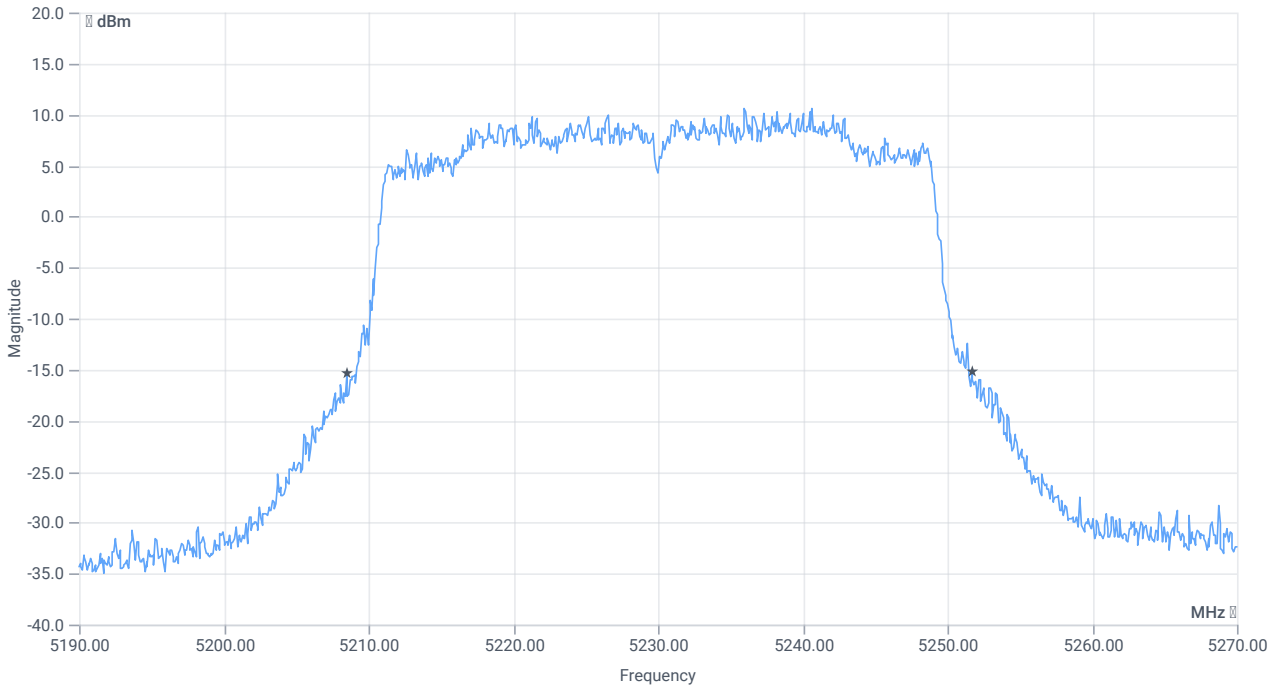
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

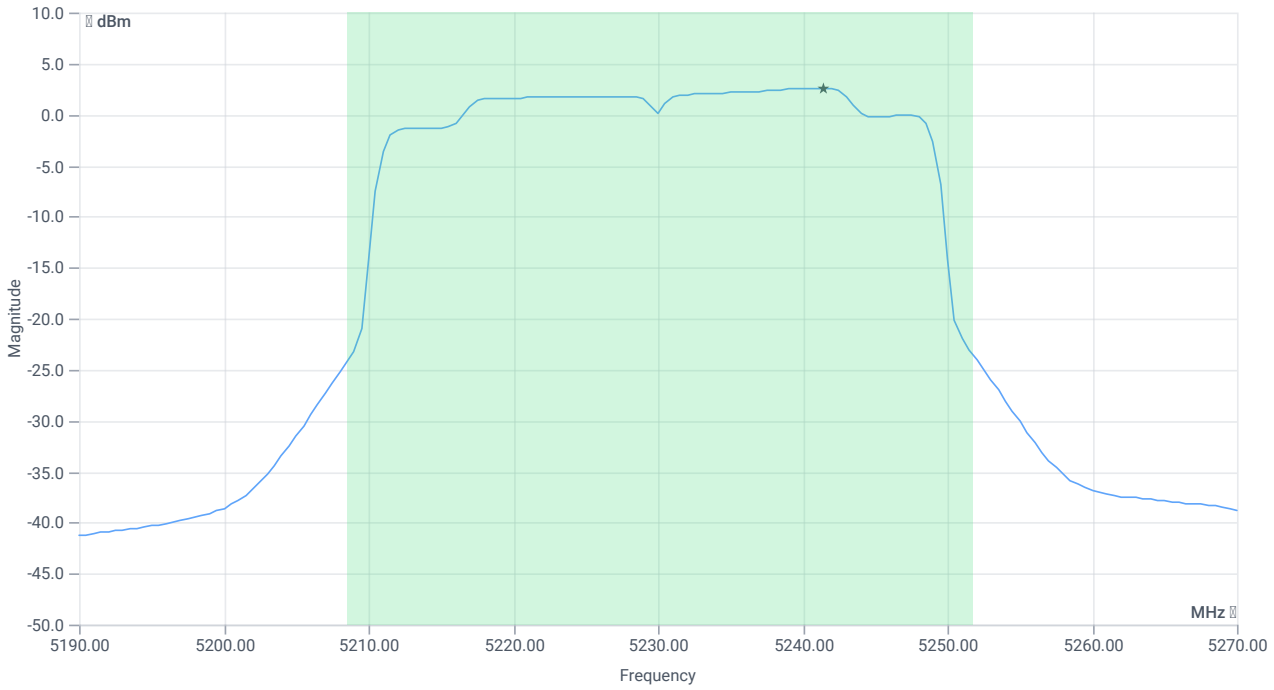
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.2	MHz	INFO
T1 26dB	---	---	5208.4800	MHz	INFO
T2 26dB	---	---	5251.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.32 | 11.42 | 30
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.79	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.88	dBm	PASS
LIMIT: 11 dBm + 10 log 43.2					
Max output power DC corrected cond	---	27.35	16.88	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.56	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	2.65	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	06.05.2026 09:38:26
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5230 MHz

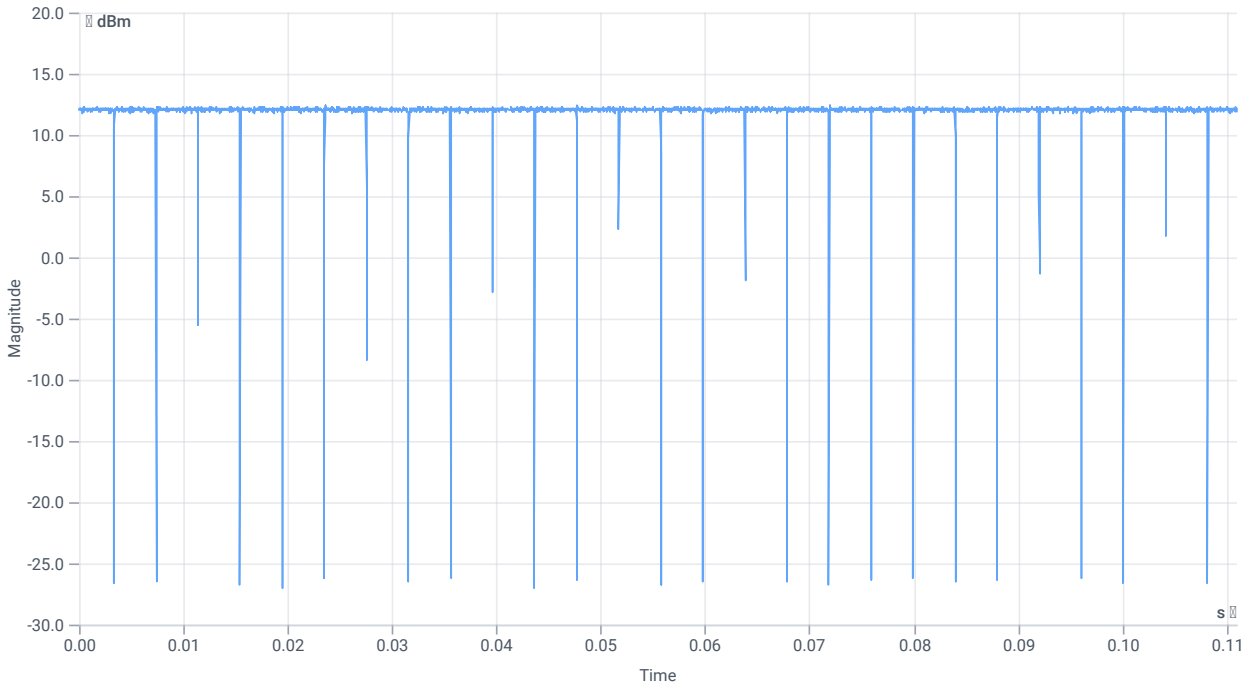
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.43	dBm	INFO
Ref. frequency	---	---	5239.390	MHz	INFO

Evaluation max. duty cycle

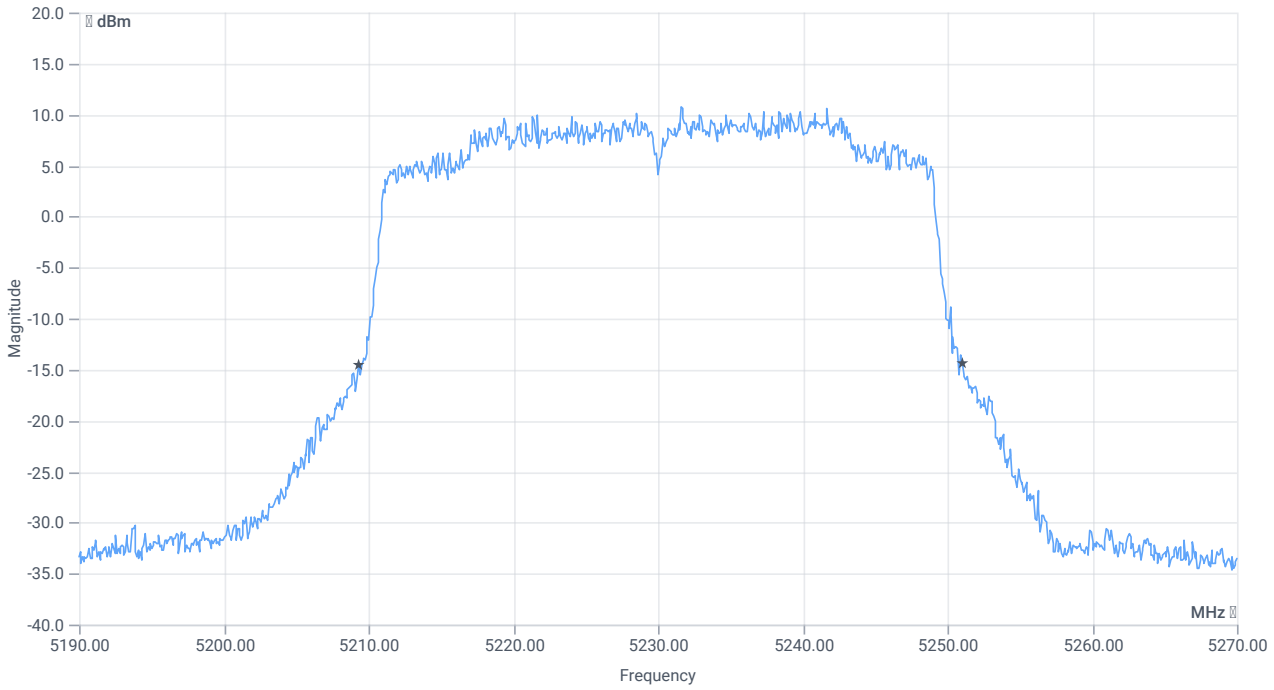
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

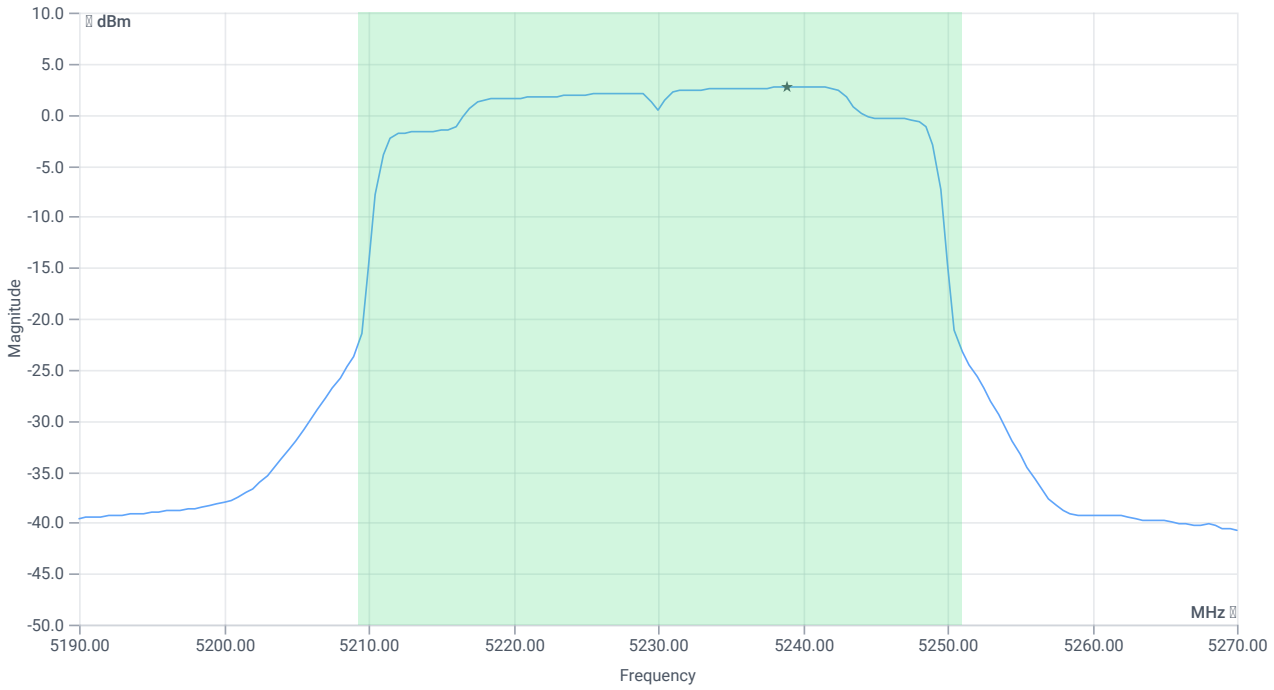
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.76	MHz	INFO
T1 26dB	---	---	5209.2800	MHz	INFO
T2 26dB	---	---	5251.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.43 | 11.4 | 30
Start [MHz] | Stop [MHz]	5190.000 | 5270.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.91	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17	dBm	PASS
LIMIT: 11 dBm + 10 log 41.76					
Max output power DC corrected cond	---	27.21	17	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.68	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	2.77	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	06.05.2026 15:20:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
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 5270 MHz

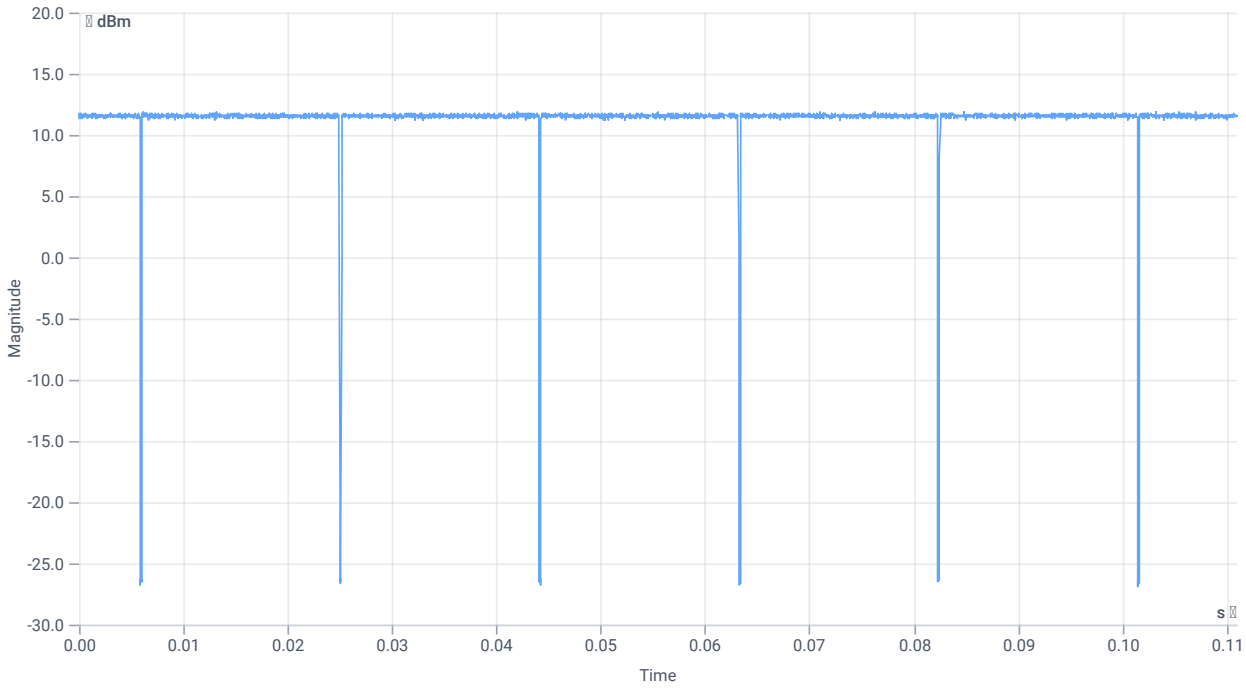
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.59	dBm	INFO
Ref. frequency	---	---	5278.590	MHz	INFO

Evaluation max. duty cycle

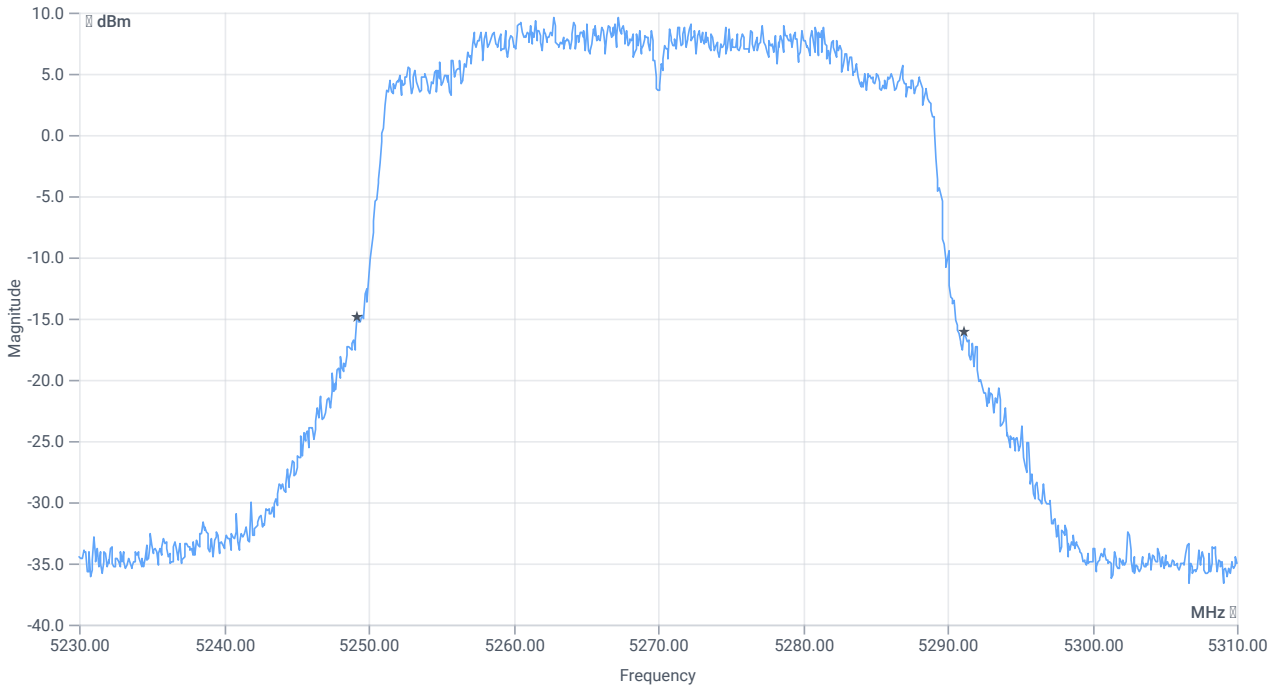
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42	MHz	INFO
T1 26dB	---	---	5249.2000	MHz	INFO
T2 26dB	---	---	5291.2000	MHz	INFO

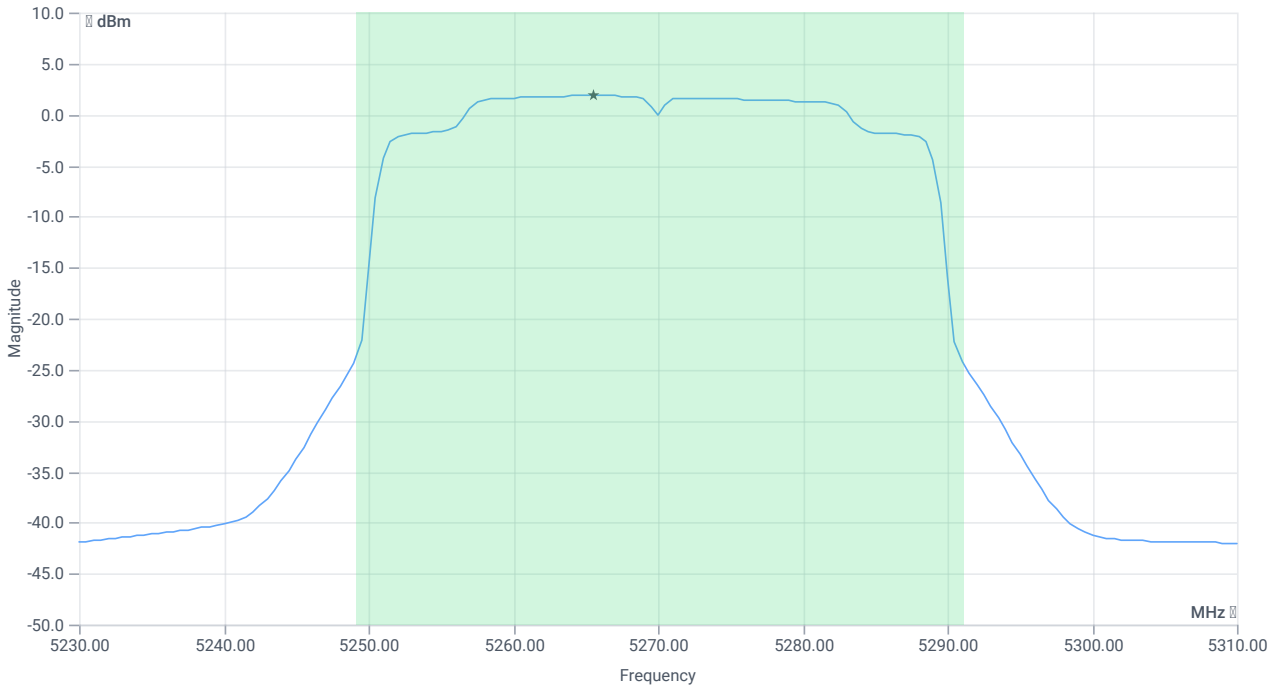
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.59 | 11.34 | 30
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.25	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.31	dBm	PASS
LIMIT: 11 dBm + 10 log 42					
Max output power DC corrected cond	---	27.23	16.31	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.31	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.84	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	1.9	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	06.05.2026 15:22:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5270 MHz

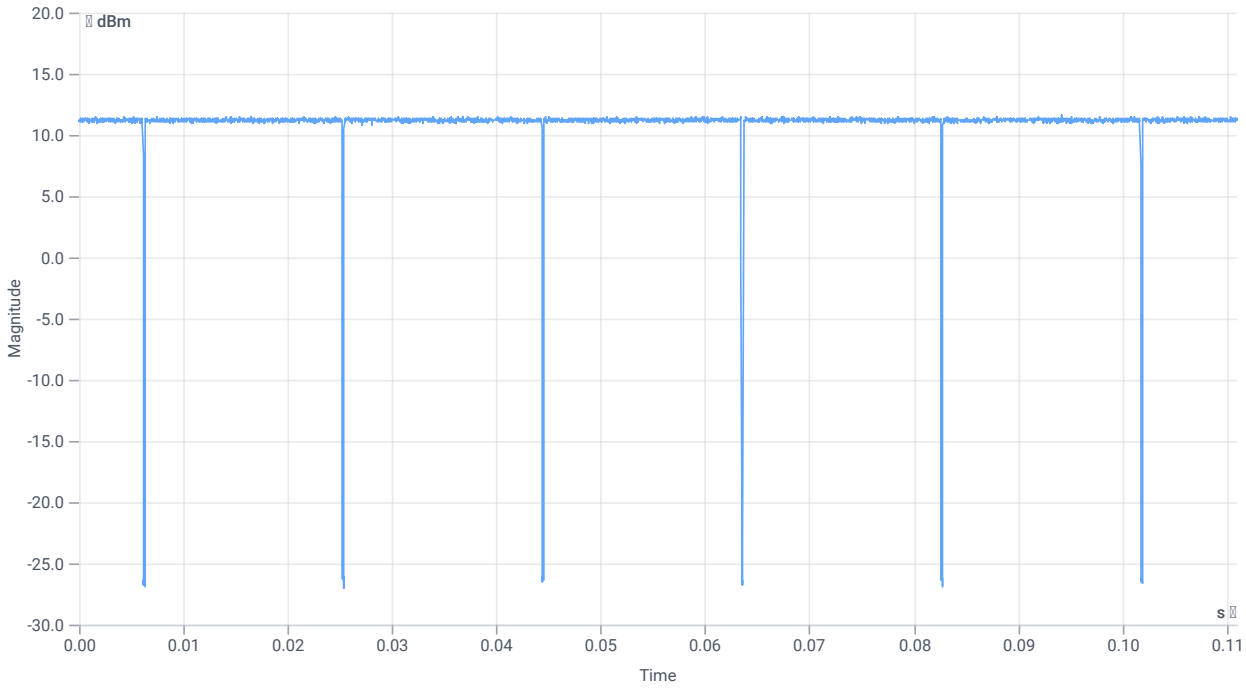
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.49	dBm	INFO
Ref. frequency	---	---	5258.610	MHz	INFO

Evaluation max. duty cycle

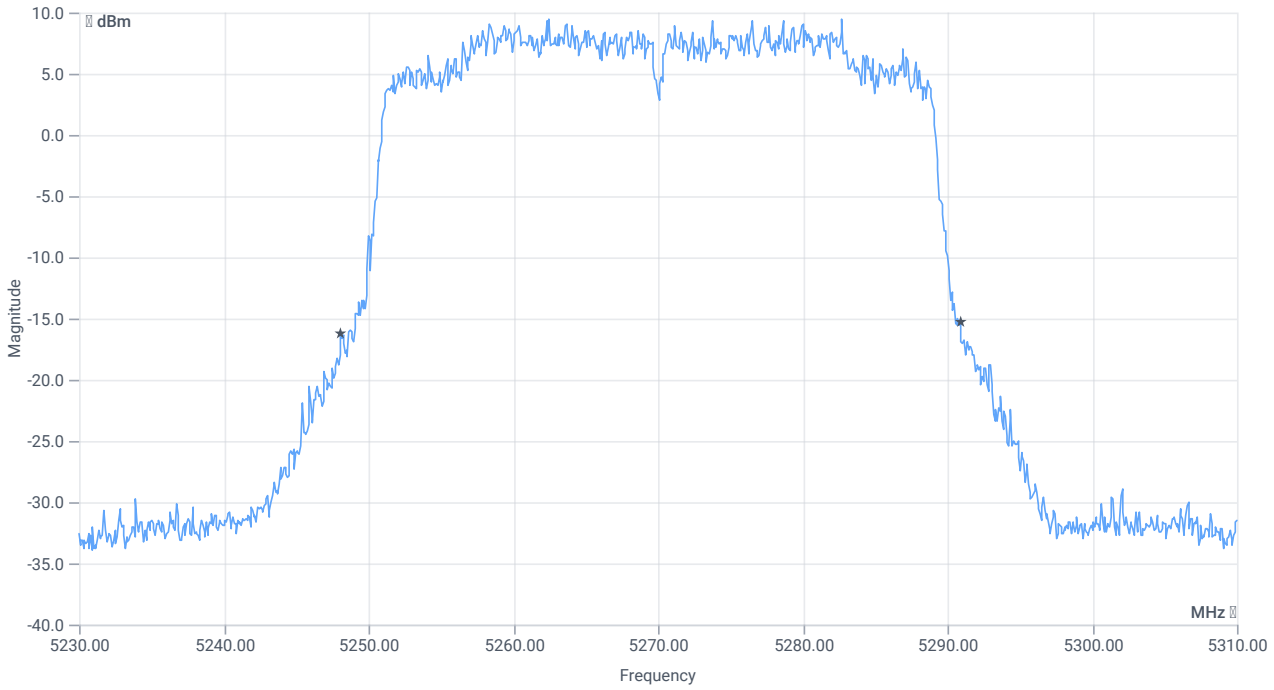
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.8	MHz	INFO
T1 26dB	---	---	5248.0800	MHz	INFO
T2 26dB	---	---	5290.8800	MHz	INFO

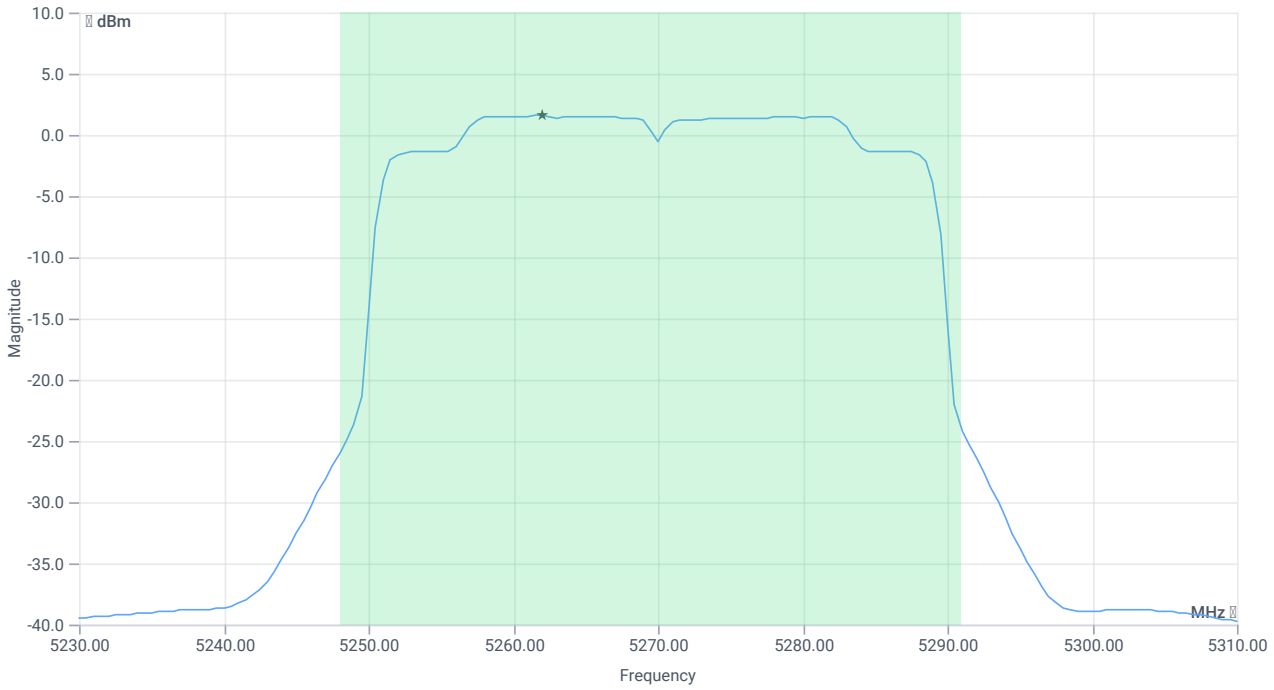
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.49 | 11.31 | 30
Start [MHz] | Stop [MHz]	5230.000 | 5310.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.2	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.26	dBm	PASS
LIMIT: 11 dBm + 10 log 42.8					
Max output power DC corrected cond	---	27.31	16.26	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.26	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.58	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	1.64	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	06.05.2026 15:24:21
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
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 5310 MHz

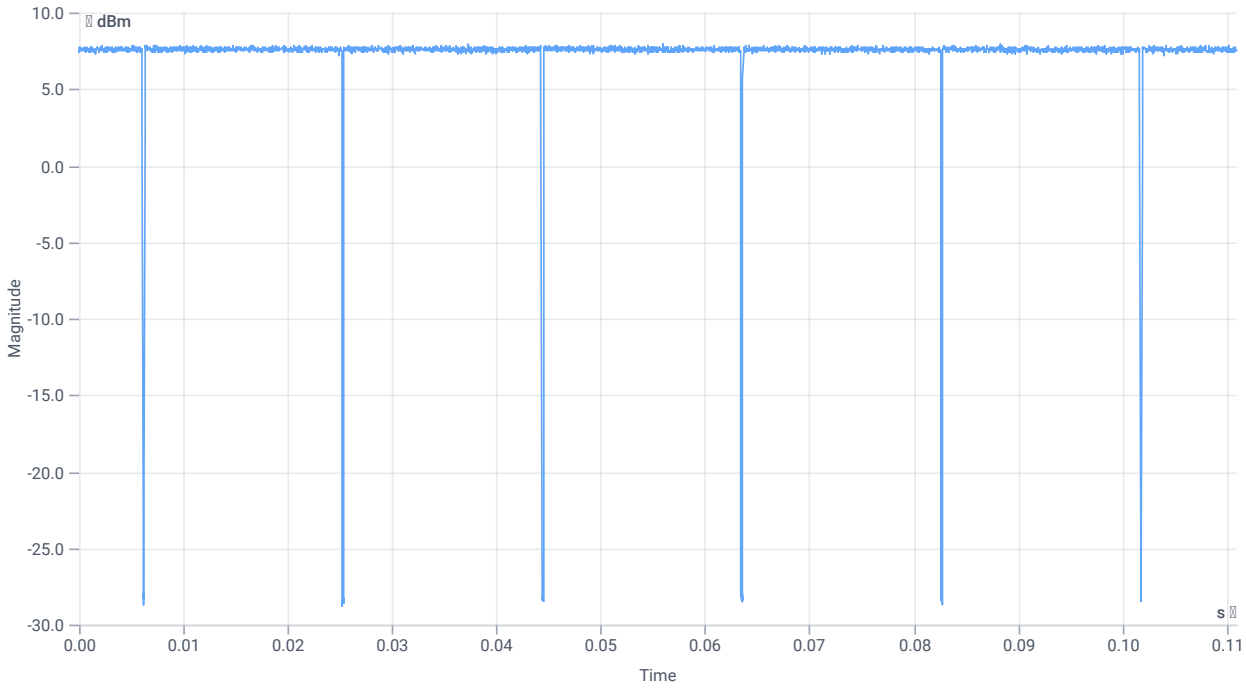
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.91	dBm	INFO
Ref. frequency	---	---	5315.590	MHz	INFO

Evaluation max. duty cycle

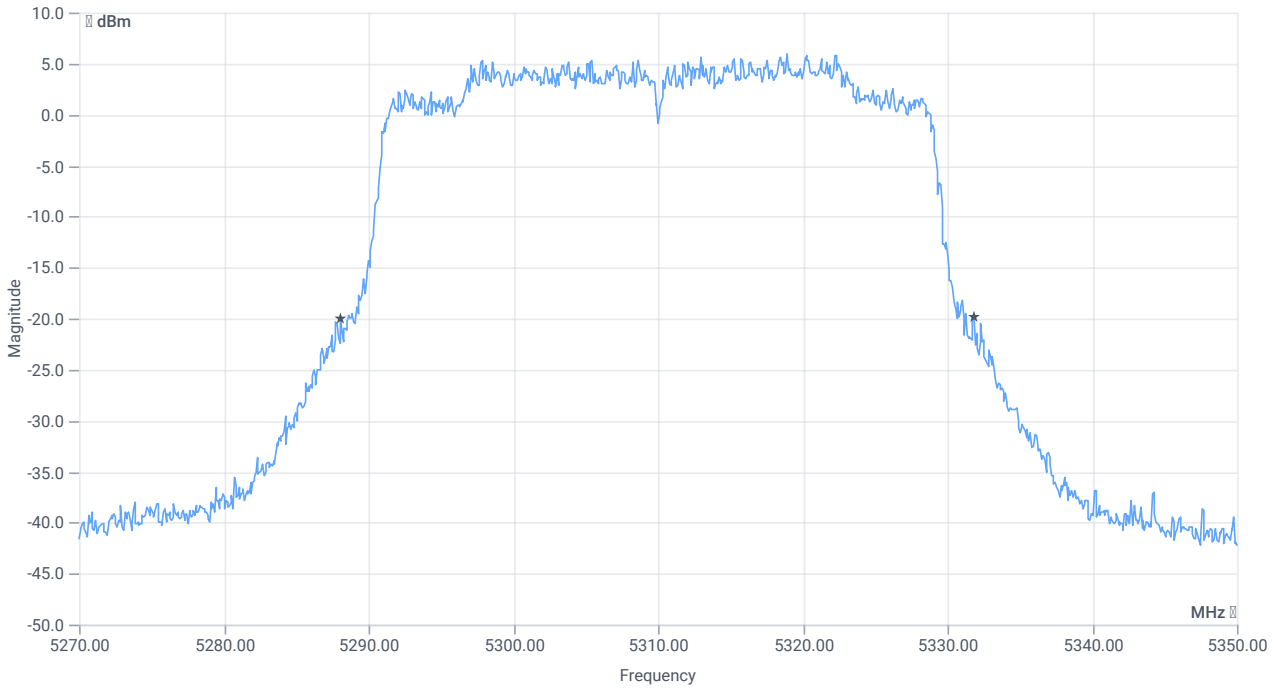
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.76	MHz	INFO
T1 26dB	---	---	5288.0800	MHz	INFO
T2 26dB	---	---	5331.8400	MHz	INFO

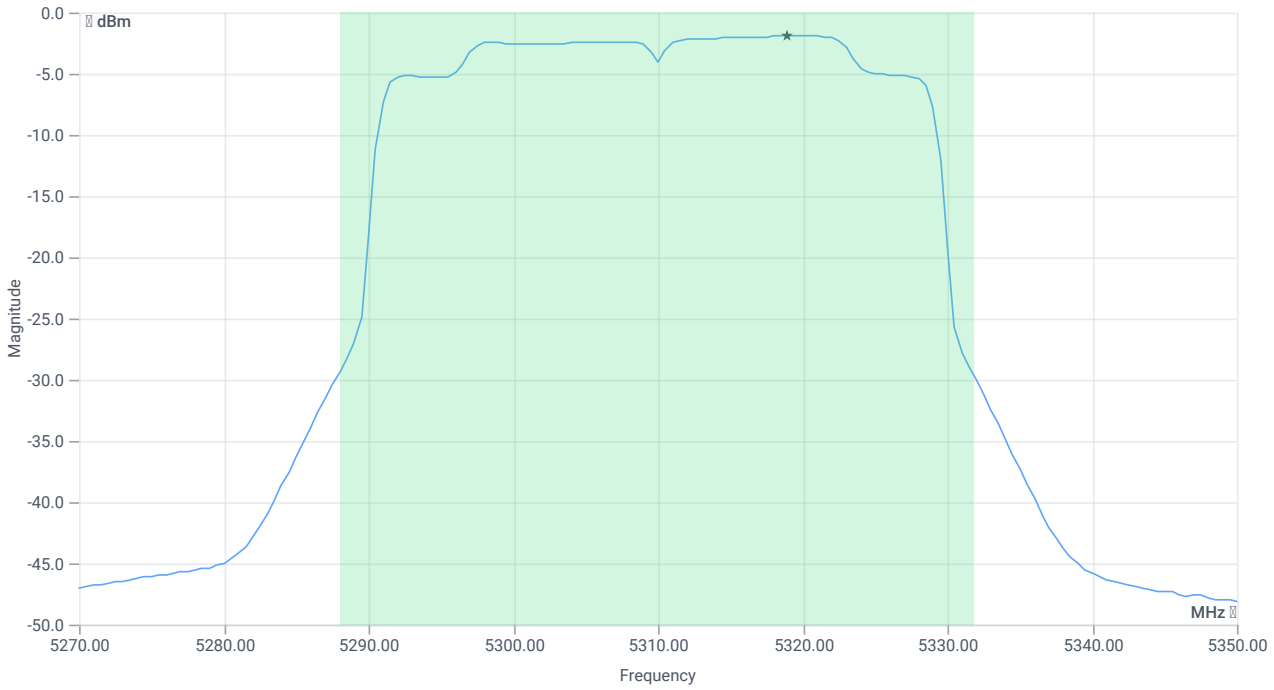
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.91 | 11.43 | 25
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	12.51	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.57	dBm	PASS
LIMIT: 11 dBm + 10 log 43.76					
Max output power DC corrected cond	---	27.41	12.57	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	12.57	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.92	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-1.86	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	06.05.2026 15:26:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5310 MHz

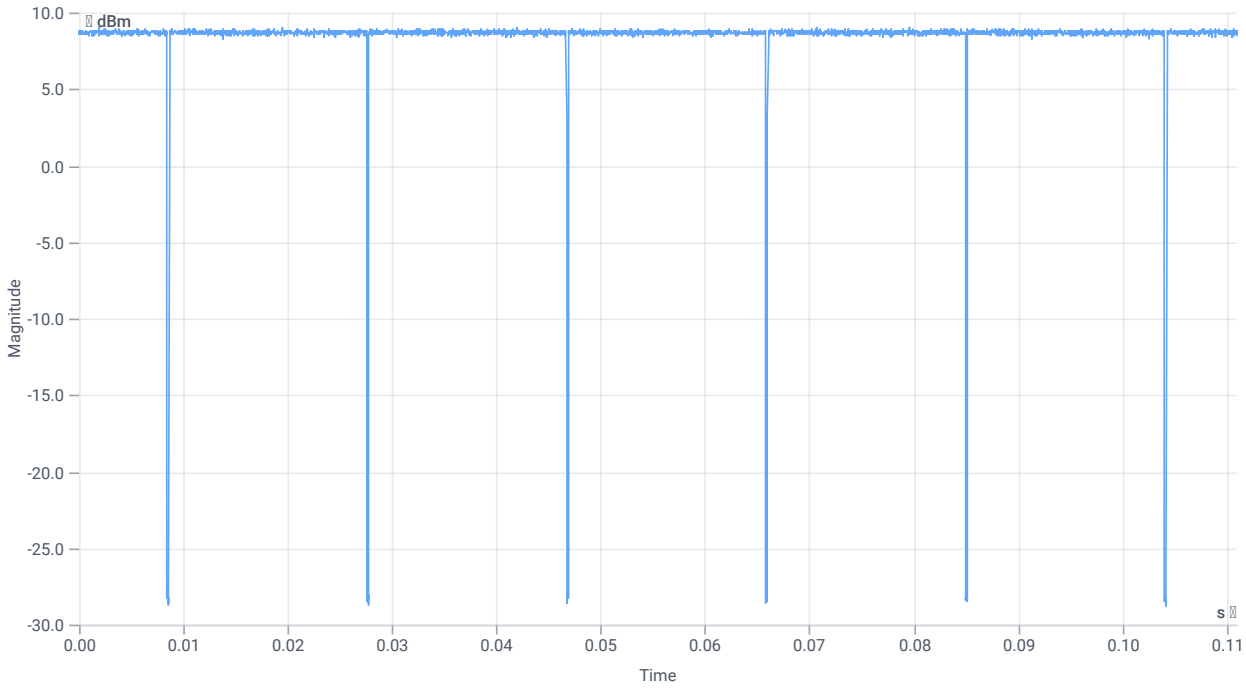
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.01	dBm	INFO
Ref. frequency	---	---	5303.810	MHz	INFO

Evaluation max. duty cycle

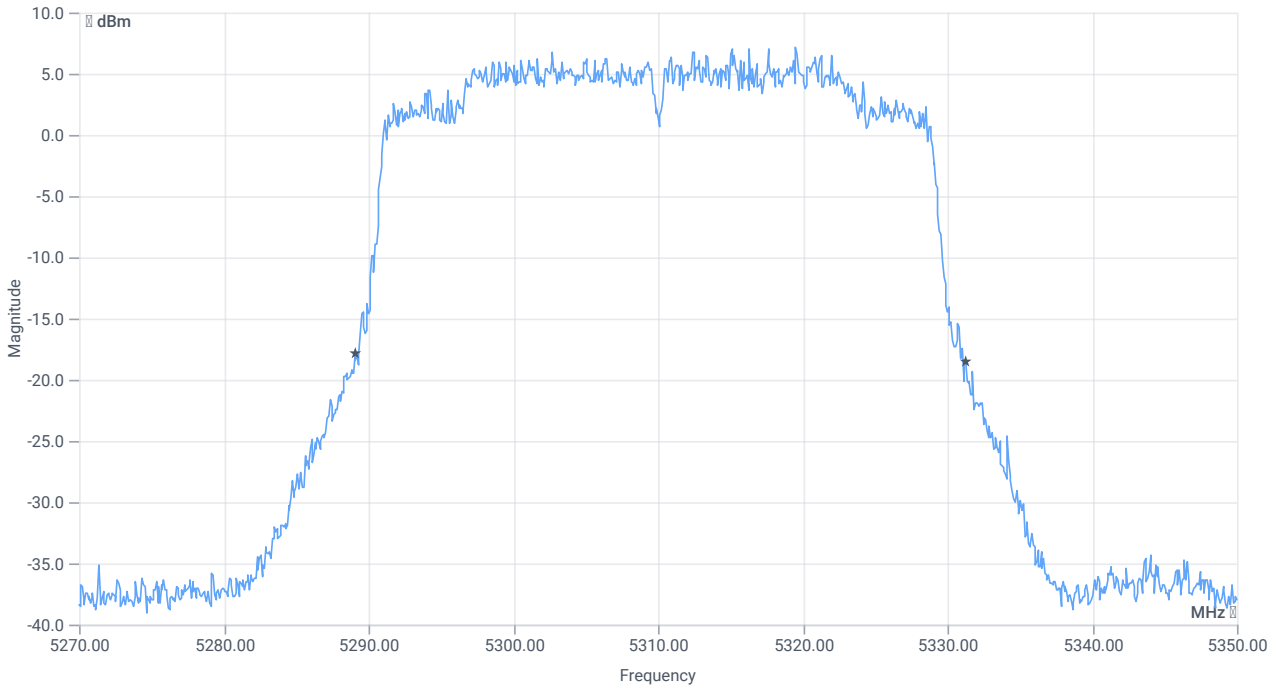
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.24	MHz	INFO
T1 26dB	---	---	5289.0400	MHz	INFO
T2 26dB	---	---	5331.2800	MHz	INFO

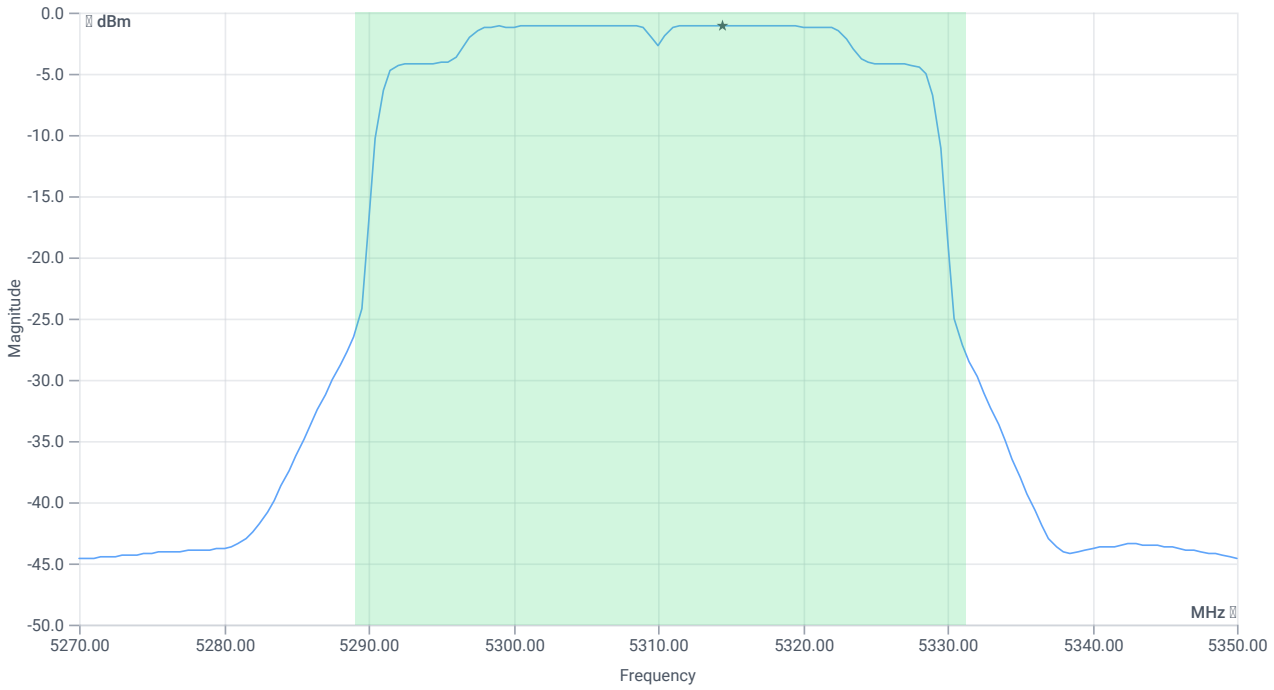
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.01 | 11.42 | 25
Start [MHz] | Stop [MHz]	5270.000 | 5350.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.63	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.69	dBm	PASS
LIMIT: 11 dBm + 10 log 42.24					
Max output power DC corrected cond	---	27.26	13.69	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.69	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.02	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-0.96	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:37:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
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 5510 MHz

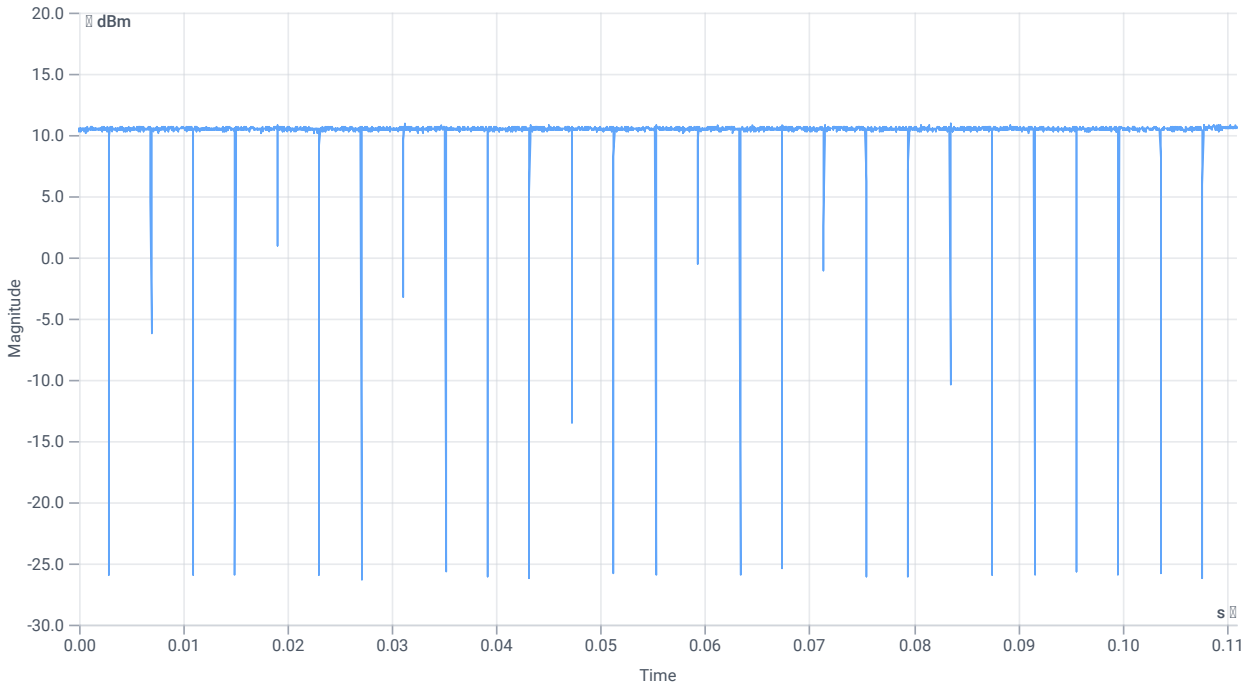
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.22	dBm	INFO
Ref. frequency	---	---	5515.590	MHz	INFO

Evaluation max. duty cycle

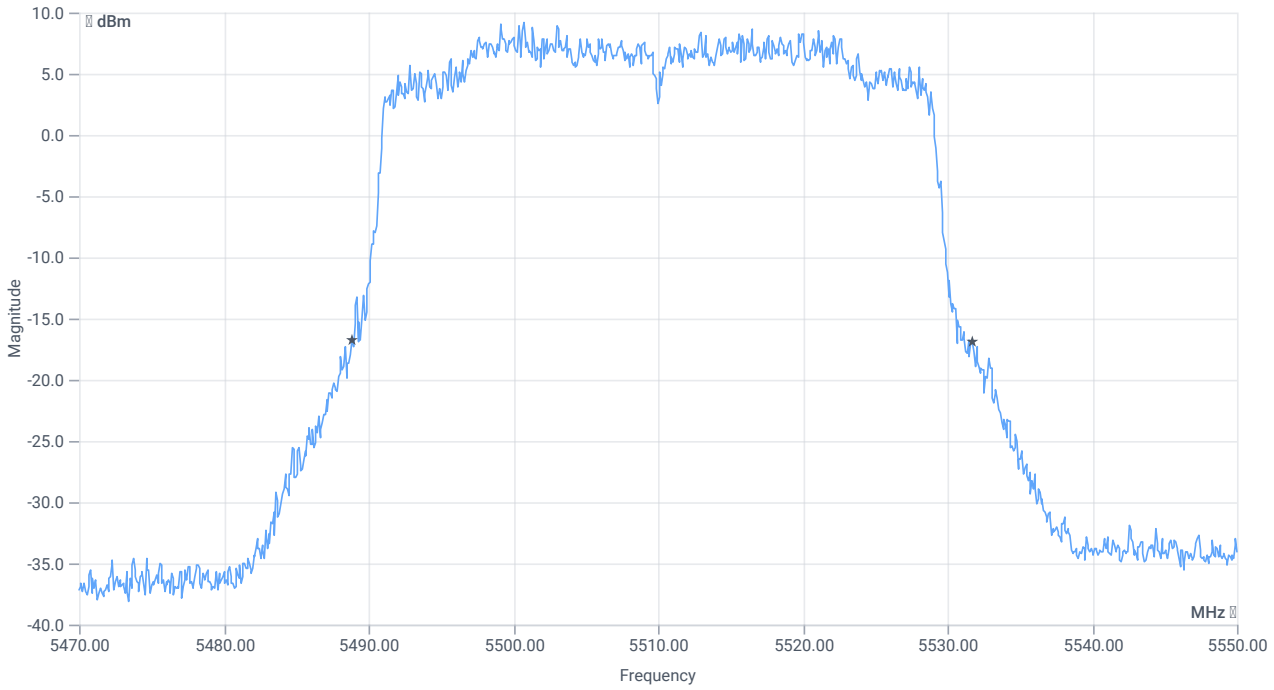
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

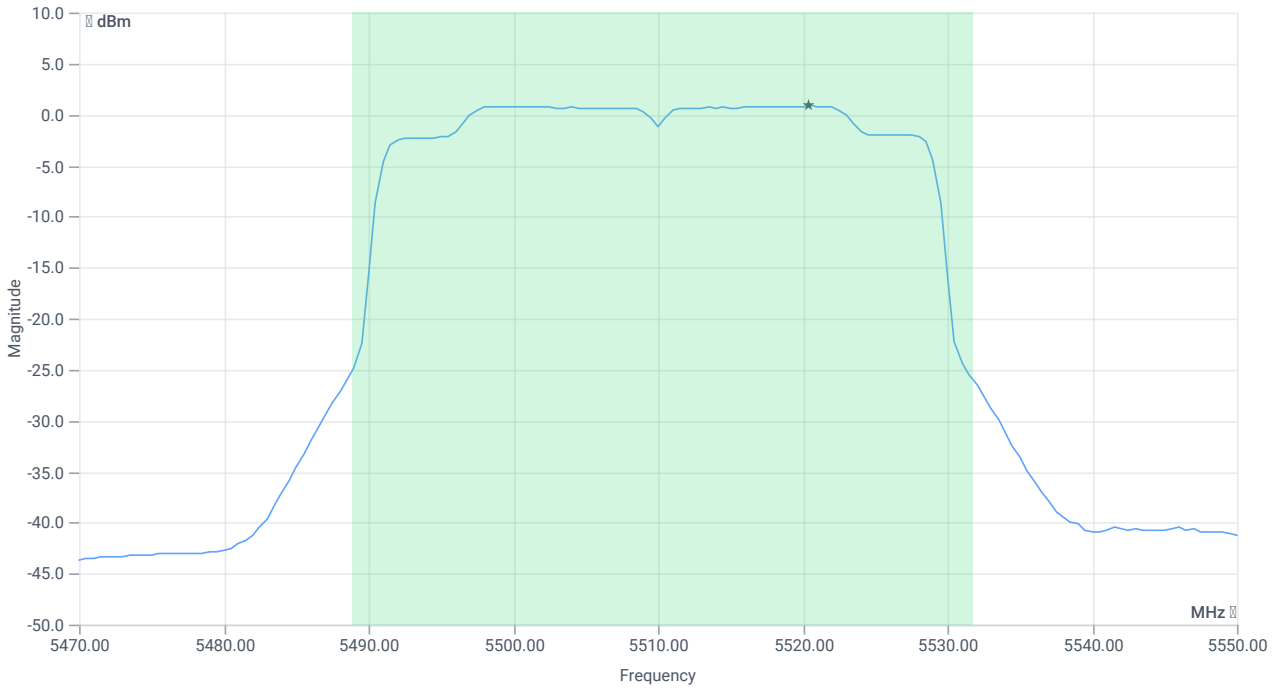
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.96	MHz	INFO
T1 26dB	---	---	5488.8000	MHz	INFO
T2 26dB	---	---	5531.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.22 | 11.54 | 30
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.47	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.56	dBm	PASS
LIMIT: 11 dBm + 10 log 42.96					
Max output power DC corrected cond	---	27.33	15.56	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.56	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.84	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.93	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:40:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5510 MHz

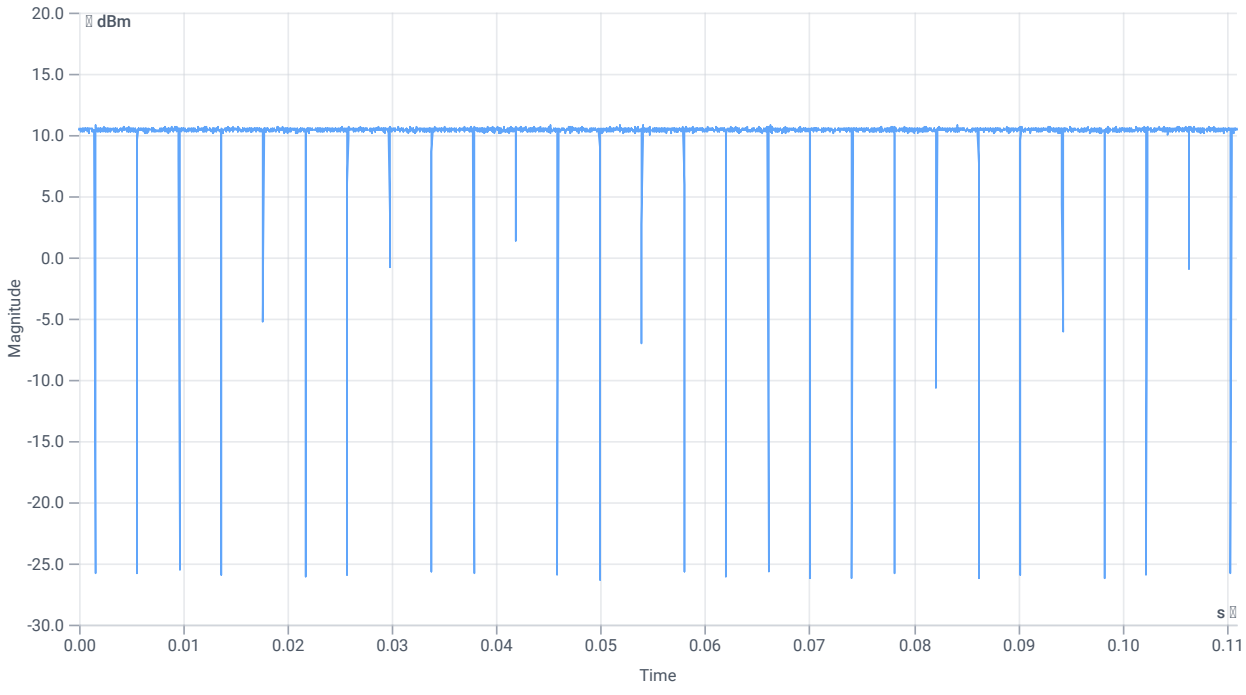
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.24	dBm	INFO
Ref. frequency	---	---	5519.190	MHz	INFO

Evaluation max. duty cycle

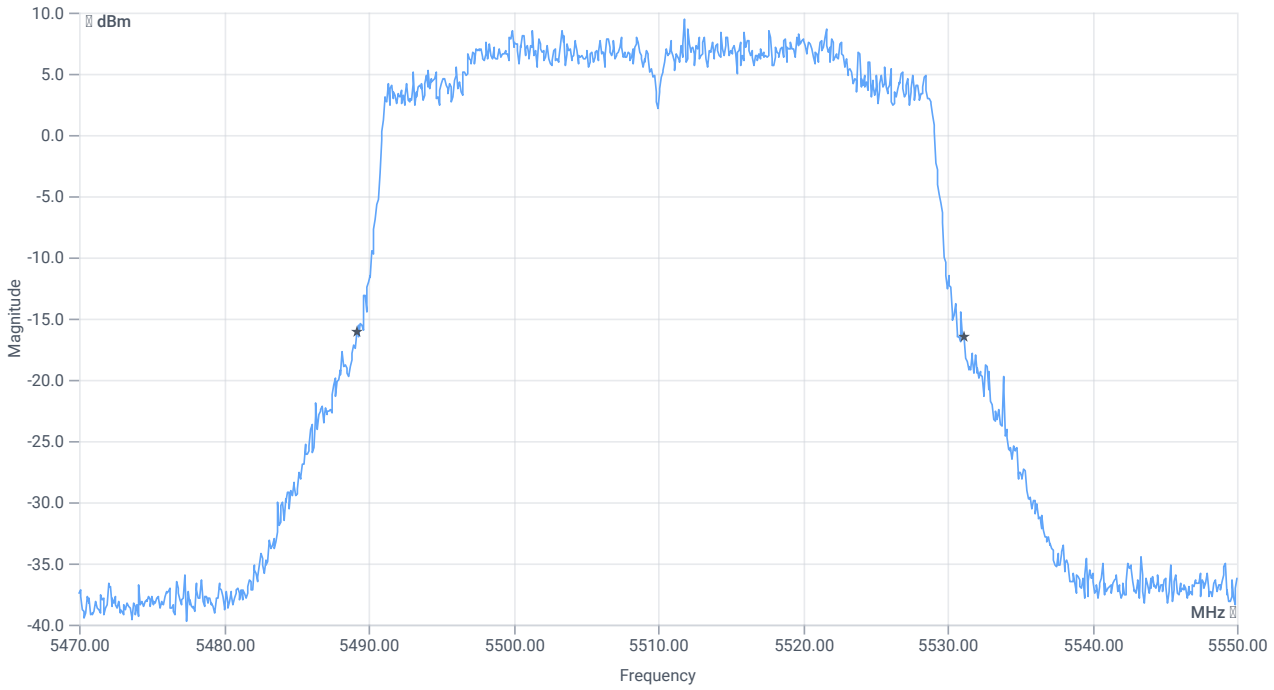
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

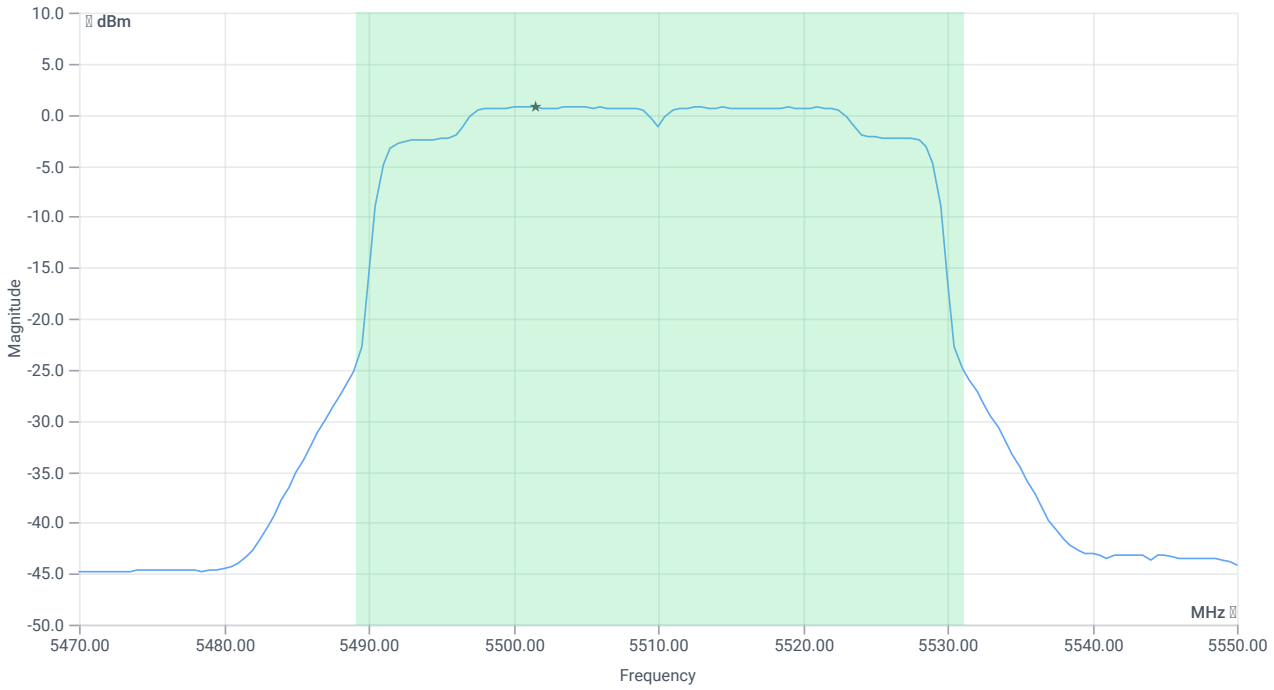
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42	MHz	INFO
T1 26dB	---	---	5489.2000	MHz	INFO
T2 26dB	---	---	5531.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.24 | 11.49 | 30
Start [MHz] | Stop [MHz]	5470.000 | 5550.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.38	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.47	dBm	PASS
LIMIT: 11 dBm + 10 log 42					
Max output power DC corrected cond	---	27.23	15.47	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.47	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.74	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.83	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:44:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
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 5590 MHz

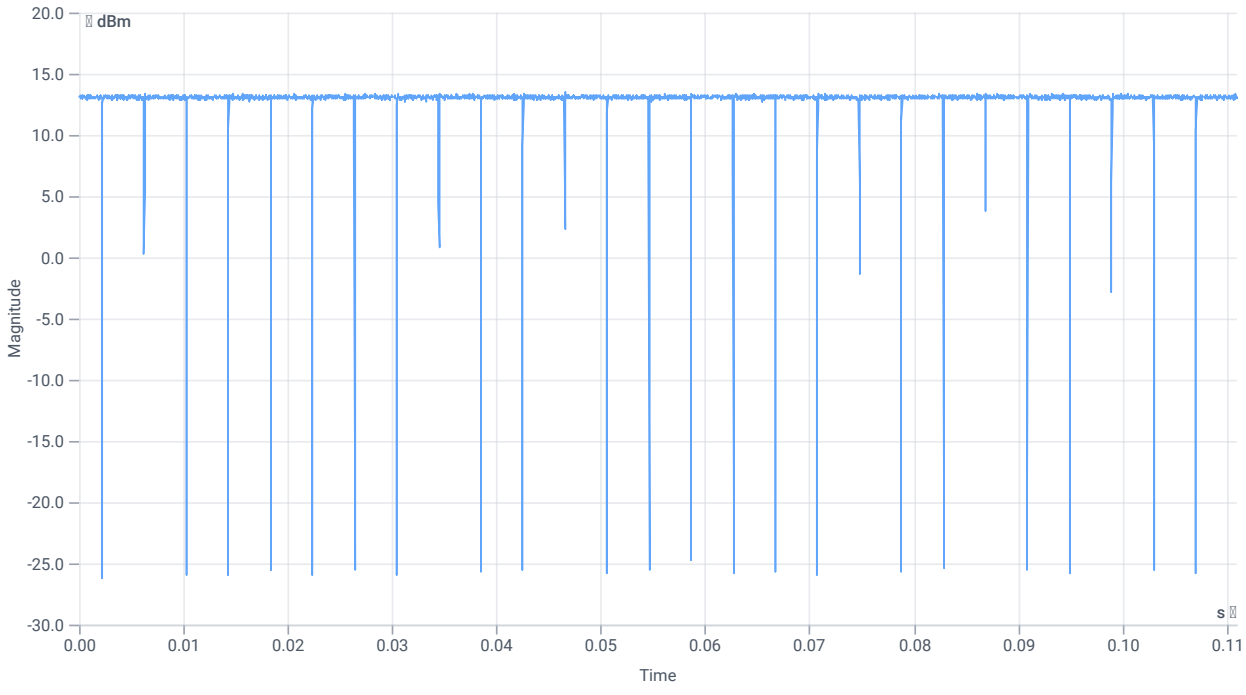
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.12	dBm	INFO
Ref. frequency	---	---	5592.000	MHz	INFO

Evaluation max. duty cycle

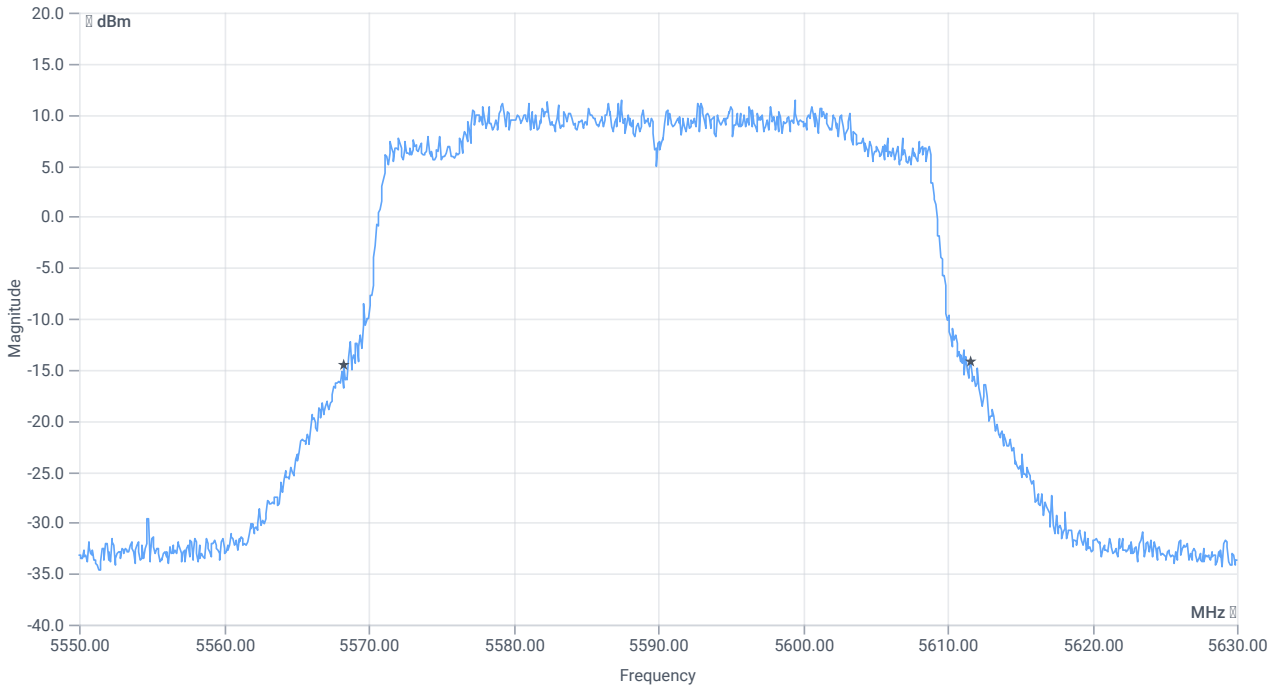
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

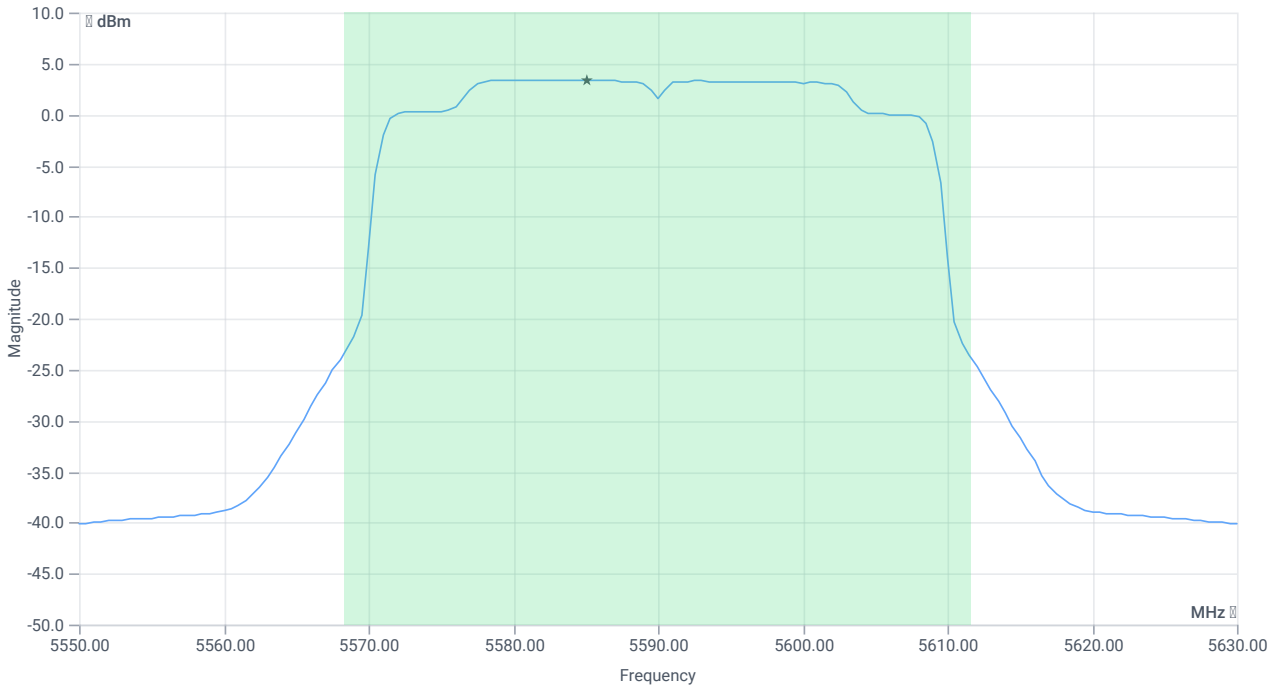
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.28	MHz	INFO
T1 26dB	---	---	5568.3200	MHz	INFO
T2 26dB	---	---	5611.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.12 | 11.55 | 30
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.97	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.06	dBm	PASS
LIMIT: 11 dBm + 10 log 43.28					
Max output power DC corrected cond	---	27.36	18.06	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.06	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	3.43	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:45:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5590 MHz

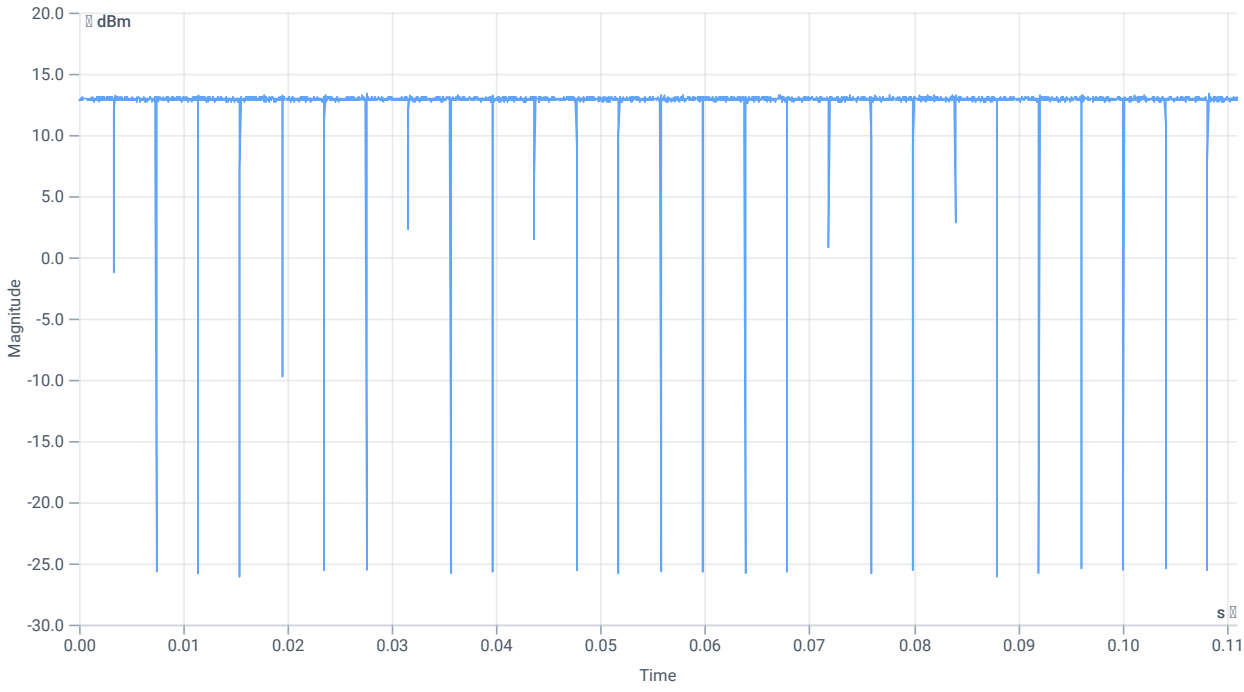
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.87	dBm	INFO
Ref. frequency	---	---	5598.790	MHz	INFO

Evaluation max. duty cycle

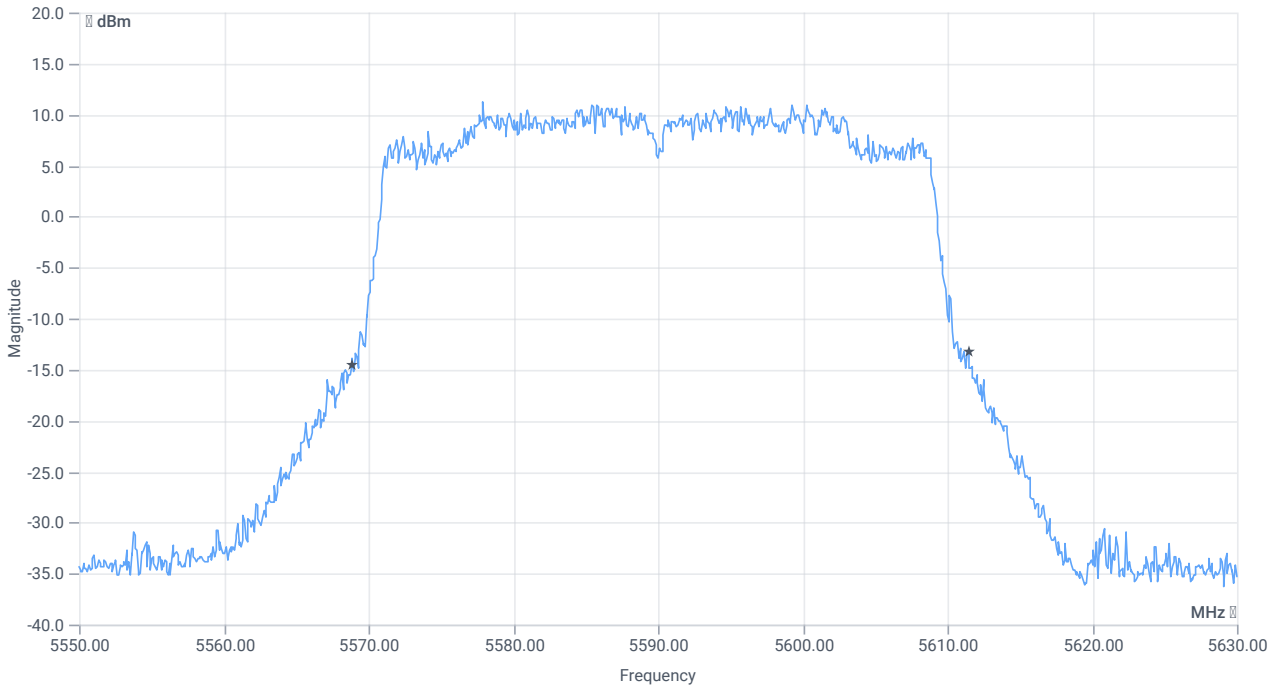
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

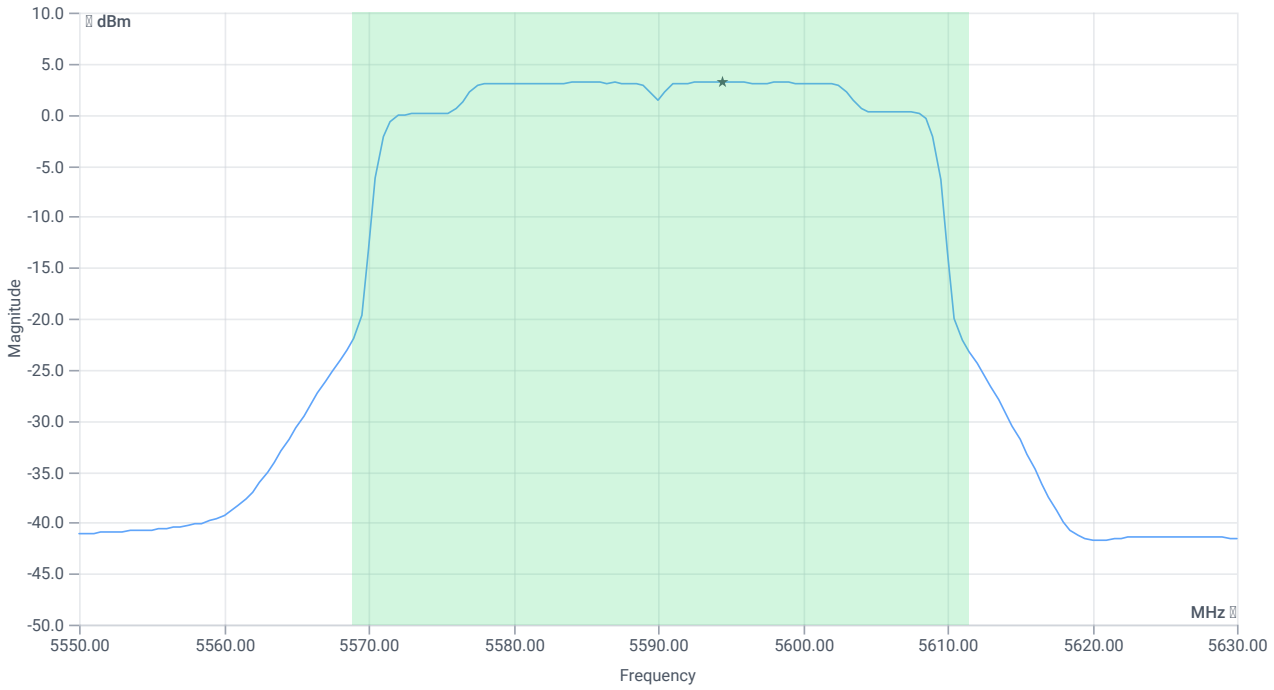
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.64	MHz	INFO
T1 26dB	---	---	5568.8000	MHz	INFO
T2 26dB	---	---	5611.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.87 | 11.58 | 30
Start [MHz] | Stop [MHz]	5550.000 | 5630.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.84	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.93	dBm	PASS
LIMIT: 11 dBm + 10 log 42.64					
Max output power DC corrected cond	---	27.3	17.93	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.93	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.12	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	3.21	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:47:53
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
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 5670 MHz

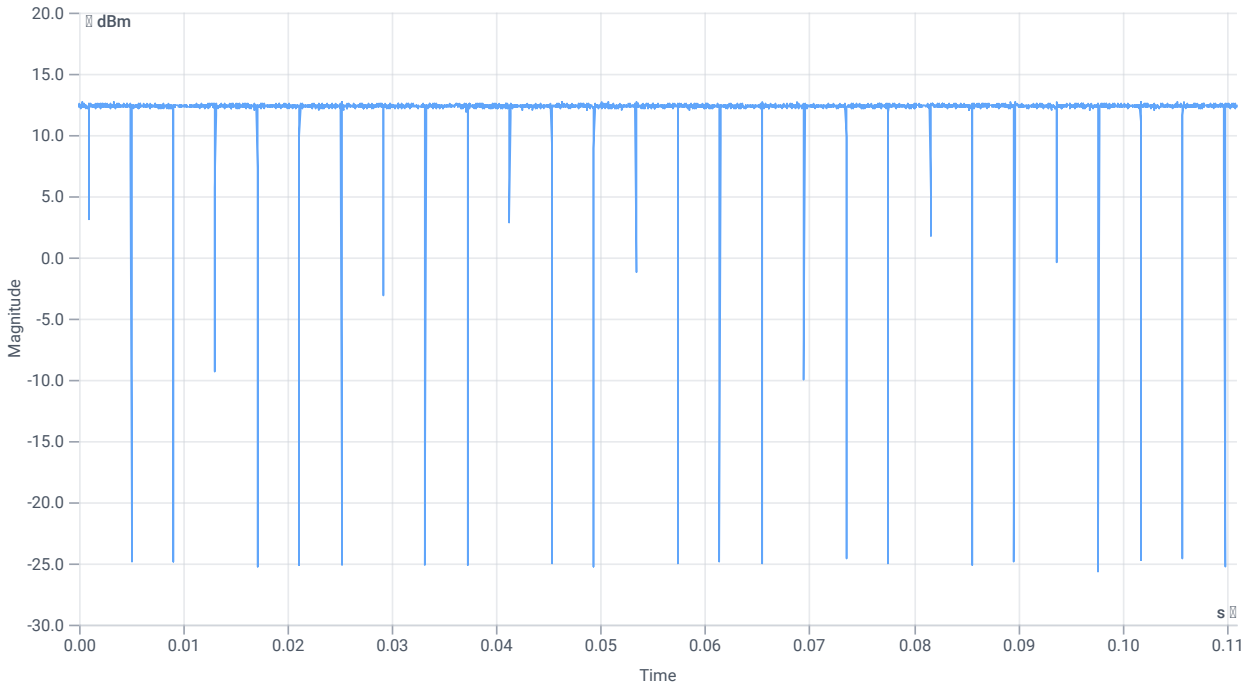
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.02	dBm	INFO
Ref. frequency	---	---	5666.200	MHz	INFO

Evaluation max. duty cycle

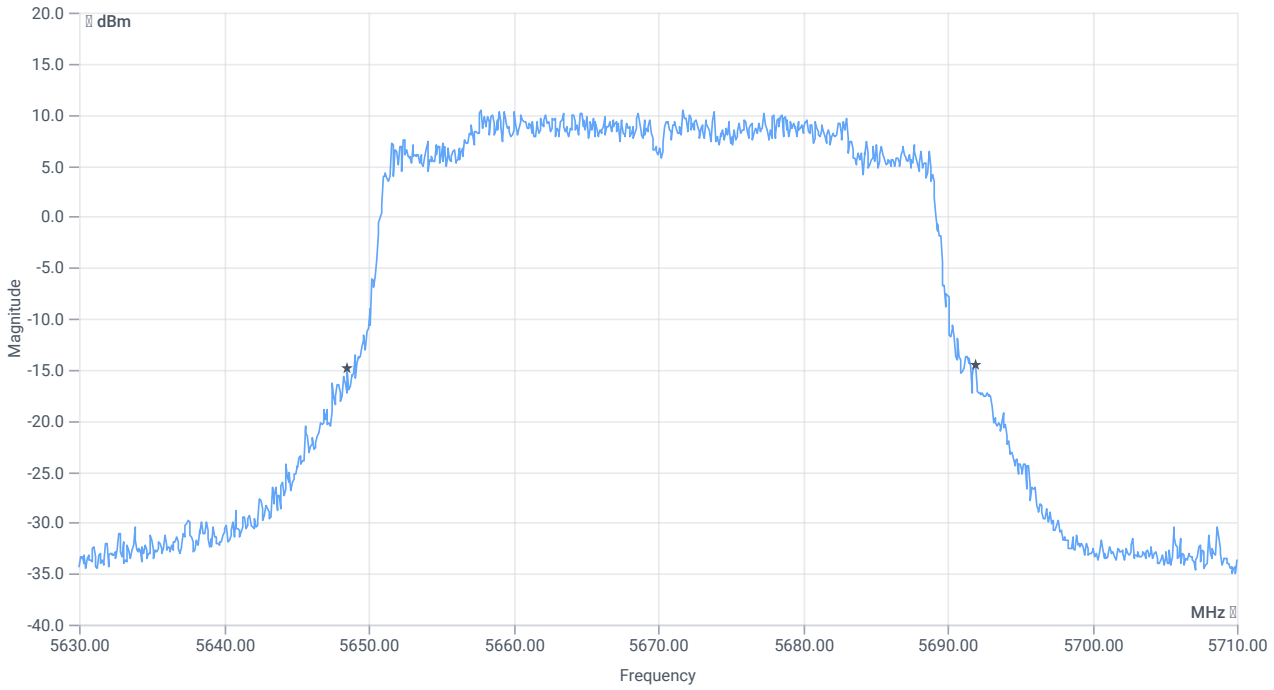
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

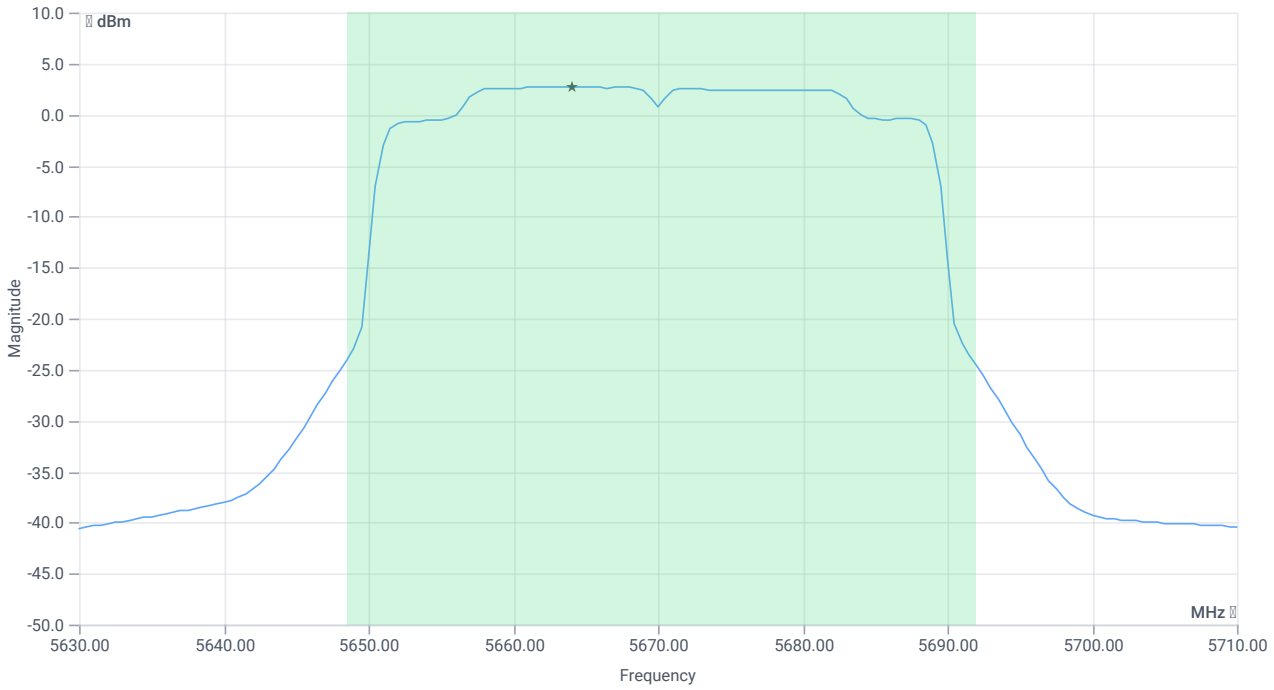
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.36	MHz	INFO
T1 26dB	---	---	5648.5600	MHz	INFO
T2 26dB	---	---	5691.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.02 | 11.51 | 30
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.27	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.36	dBm	PASS
LIMIT: 11 dBm + 10 log 43.36					
Max output power DC corrected cond	---	27.37	17.36	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.36	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.75	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	2.84	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	07.05.2026 10:49:37
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5670 MHz

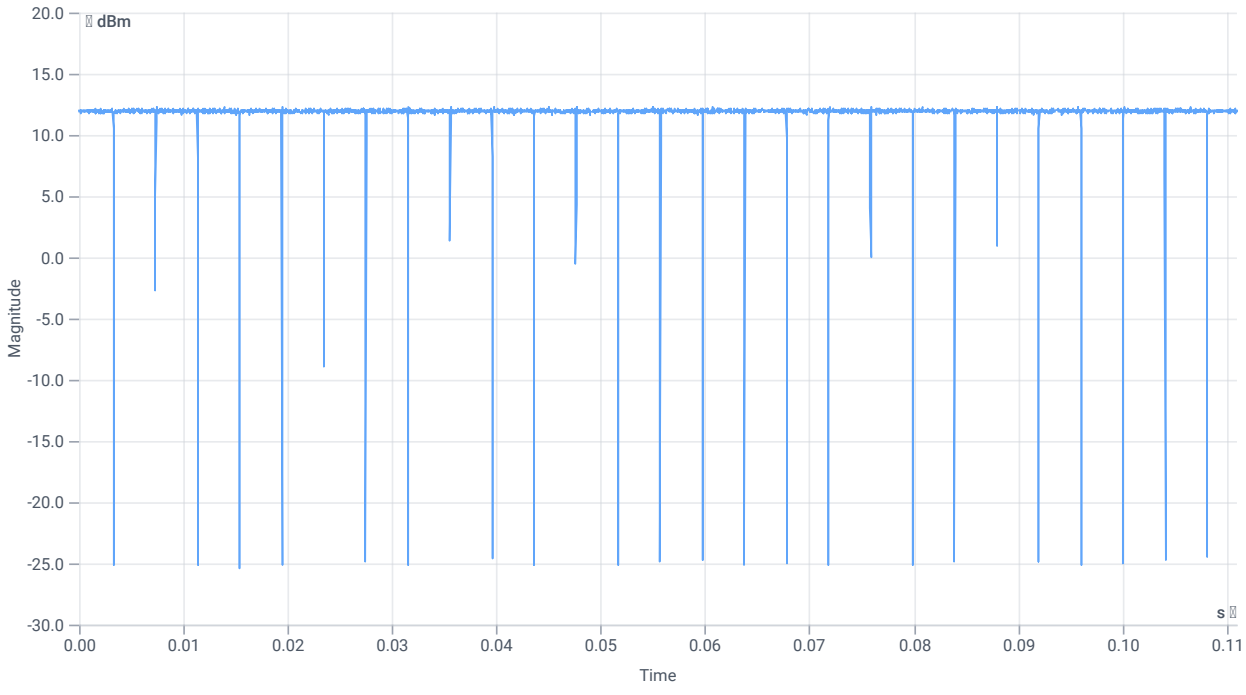
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.01	dBm	INFO
Ref. frequency	---	---	5666.800	MHz	INFO

Evaluation max. duty cycle

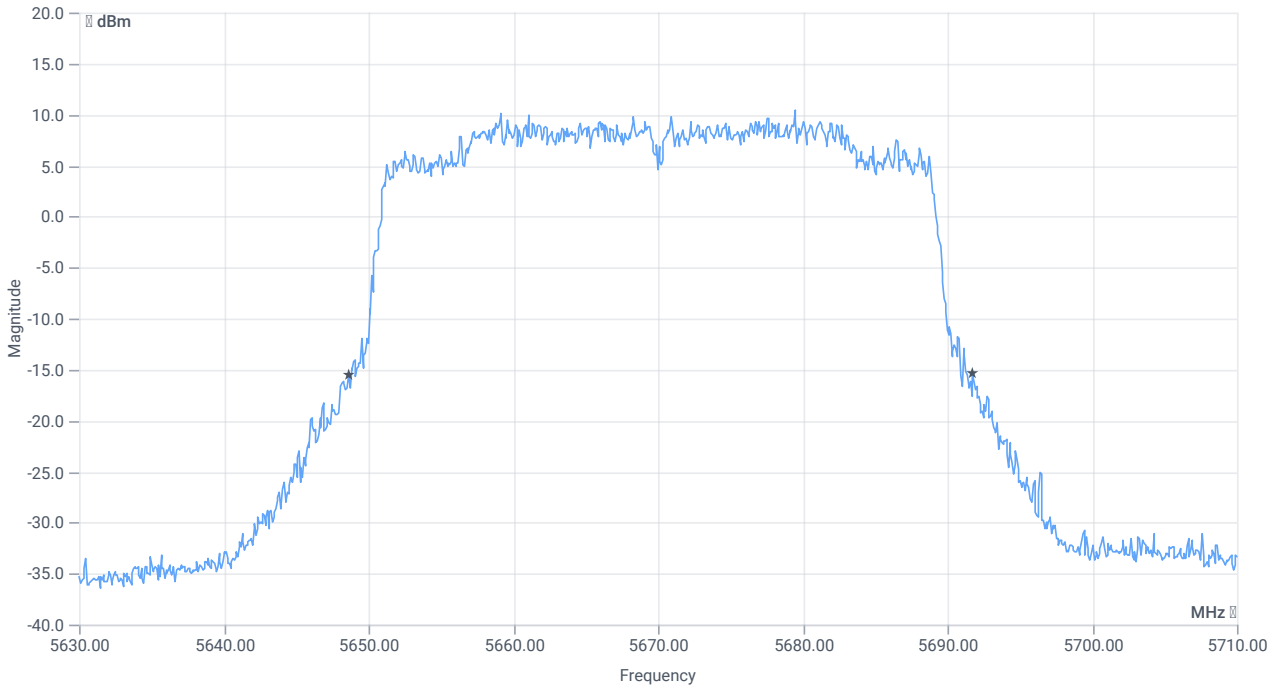
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

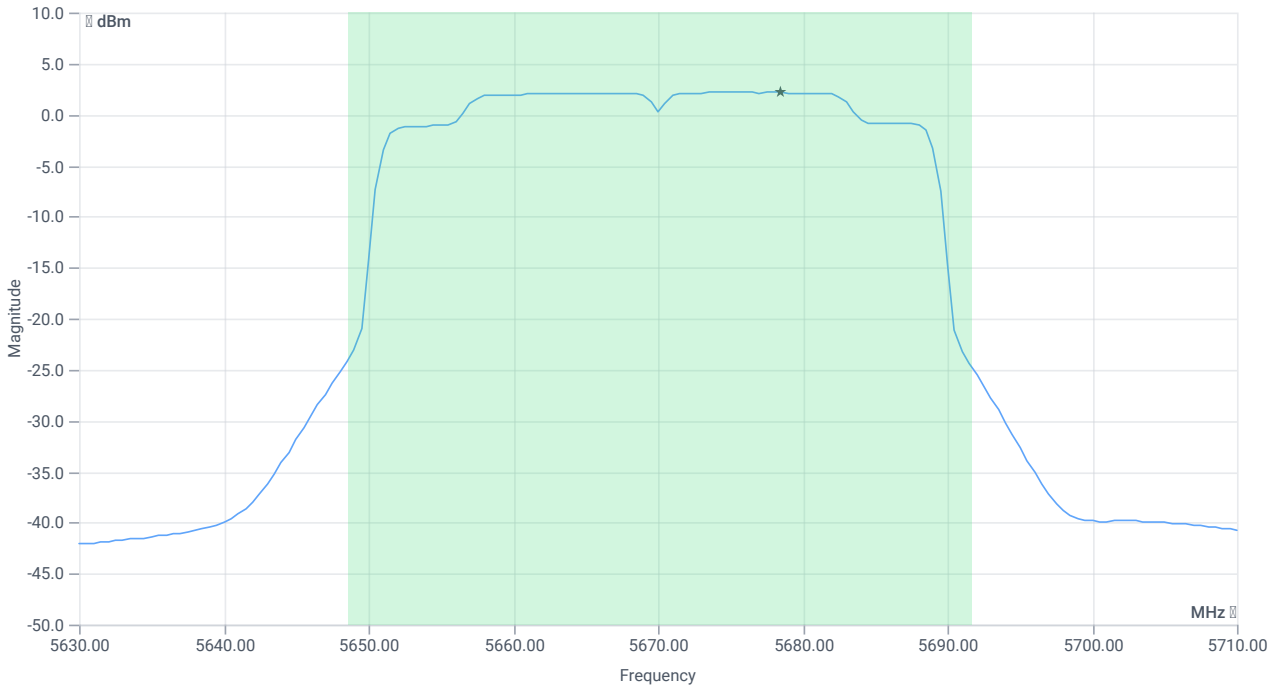
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.12	MHz	INFO
T1 26dB	---	---	5648.6400	MHz	INFO
T2 26dB	---	---	5691.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.01 | 11.48 | 30
Start [MHz] | Stop [MHz]	5630.000 | 5710.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.8	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.89	dBm	PASS
LIMIT: 11 dBm + 10 log 43.12					
Max output power DC corrected cond	---	27.35	16.89	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.89	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.18	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	2.27	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3

References

TC start	07.05.2026 16:41:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
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 5775 MHz

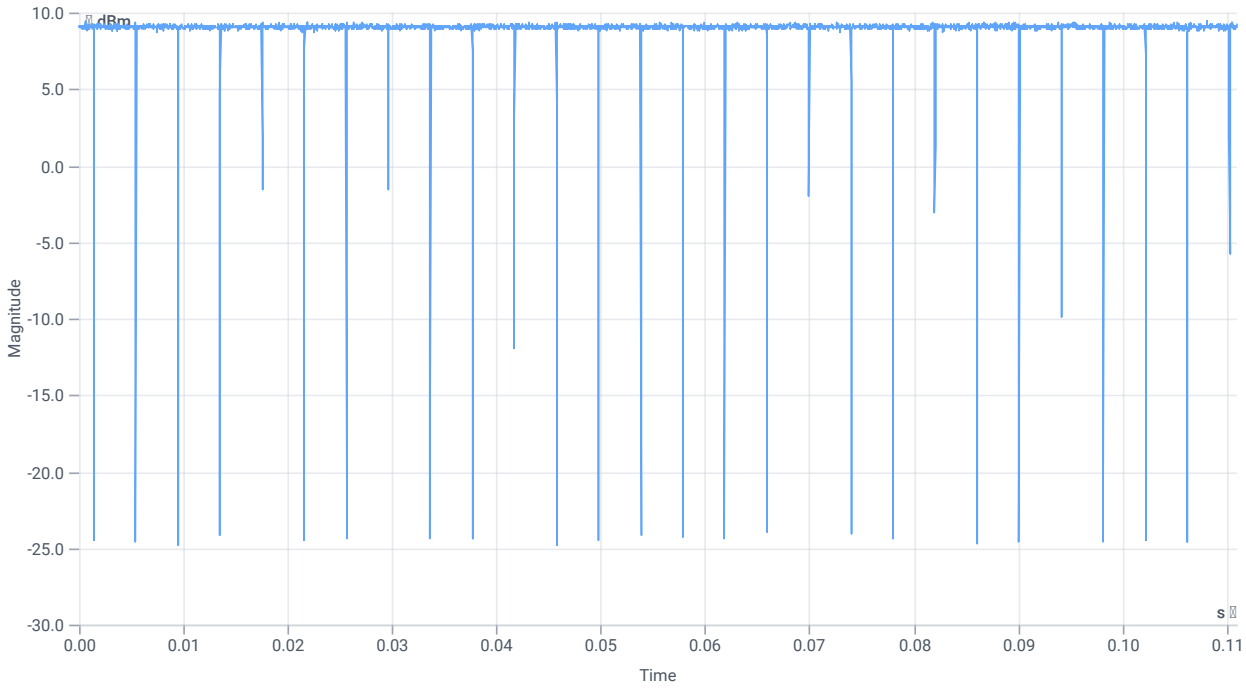
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.91	dBm	INFO
Ref. frequency	---	---	5766.810	MHz	INFO

Evaluation max. duty cycle

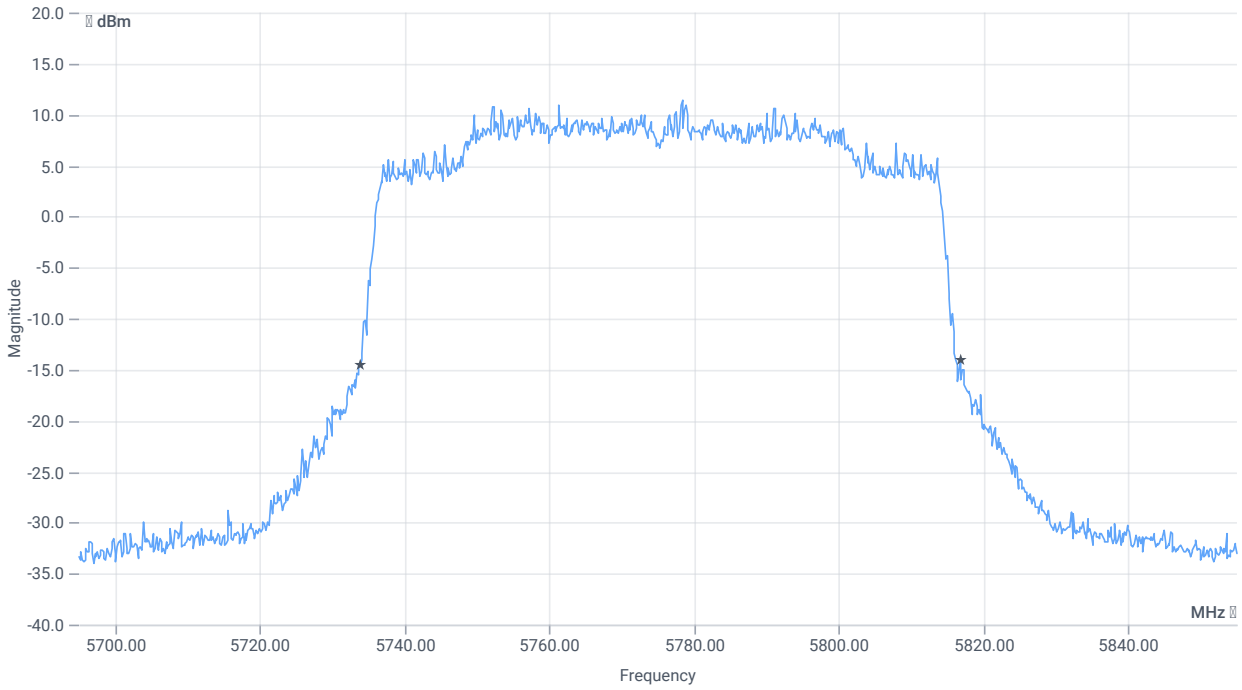
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

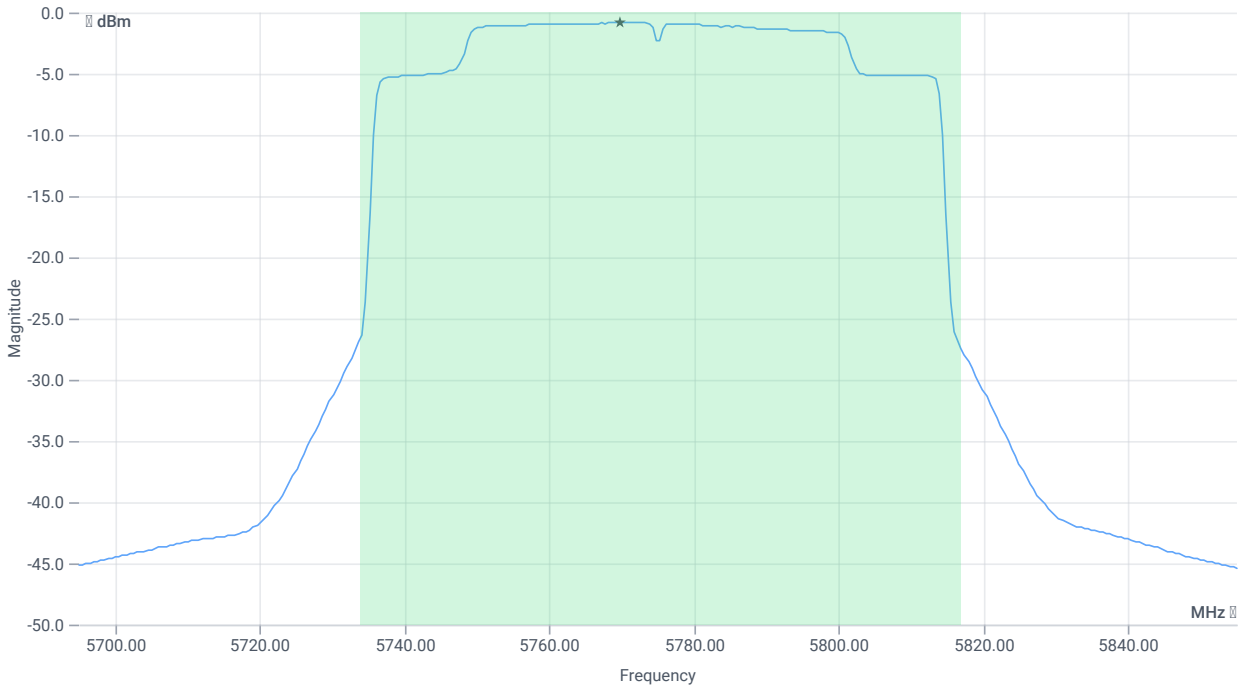
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.88	MHz	INFO
T1 26dB	---	---	5733.8800	MHz	INFO
T2 26dB	---	---	5816.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.91 | 11.37 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

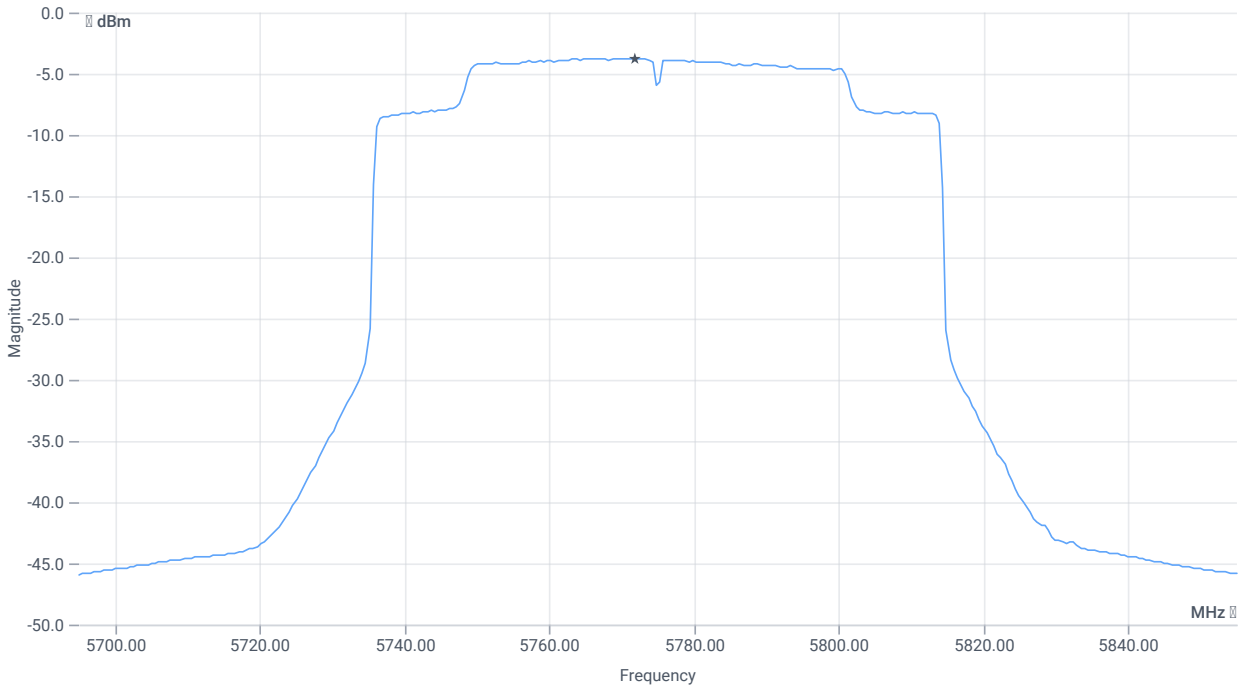
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.58	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	16.67	dBm	PASS
LIMIT: 11 dBm + 10 log 82.88					
Max output power DC corrected cond	---	30.18	16.67	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.91 | 11.37 | 30
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.75	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-3.66	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3

References

TC start	07.05.2026 16:55:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5775
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5775 MHz

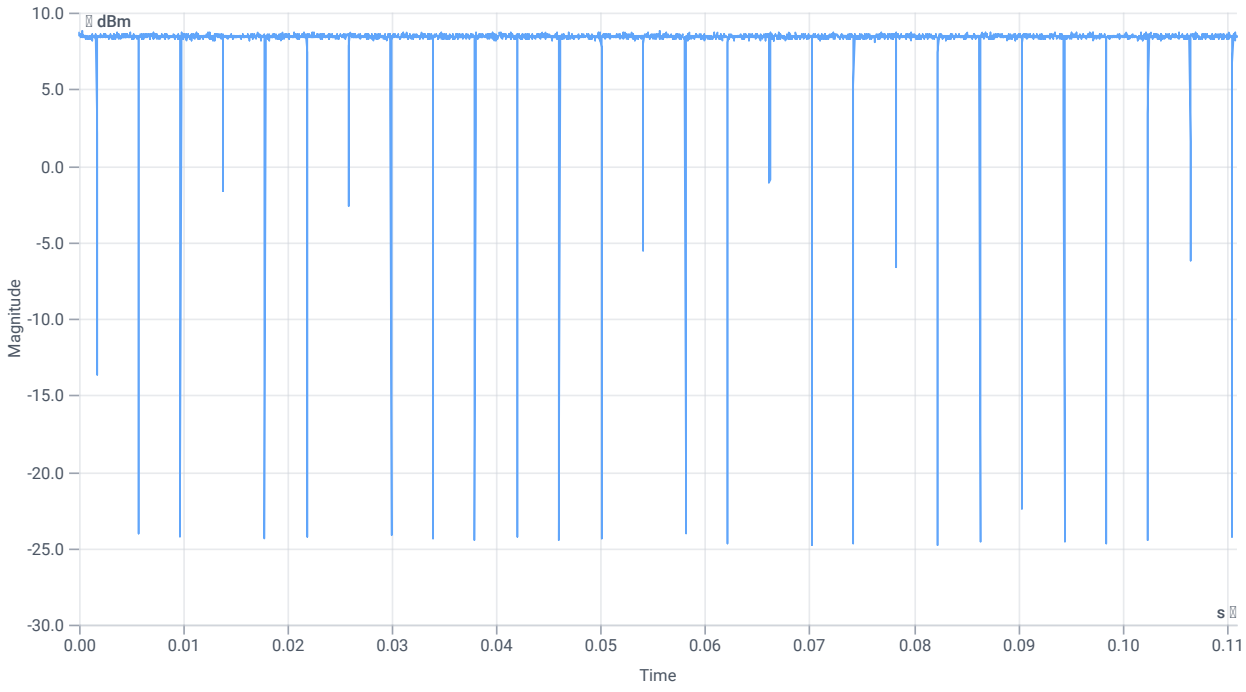
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.62	dBm	INFO
Ref. frequency	---	---	5754.020	MHz	INFO

Evaluation max. duty cycle

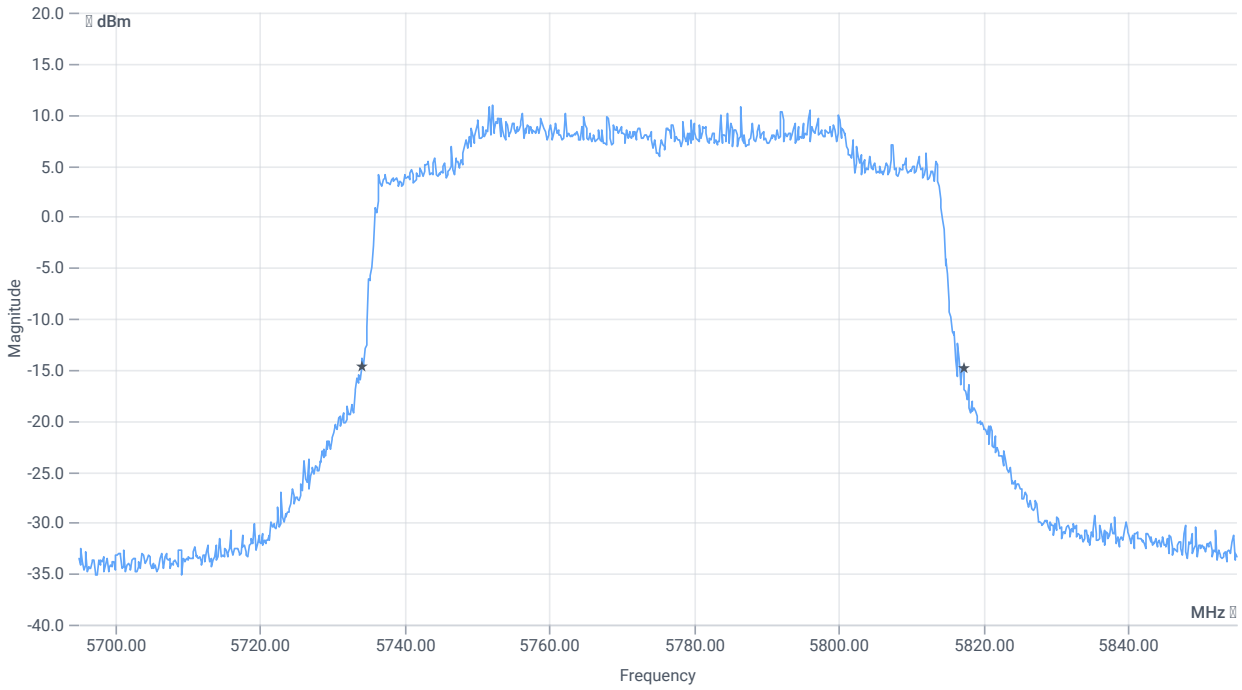
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

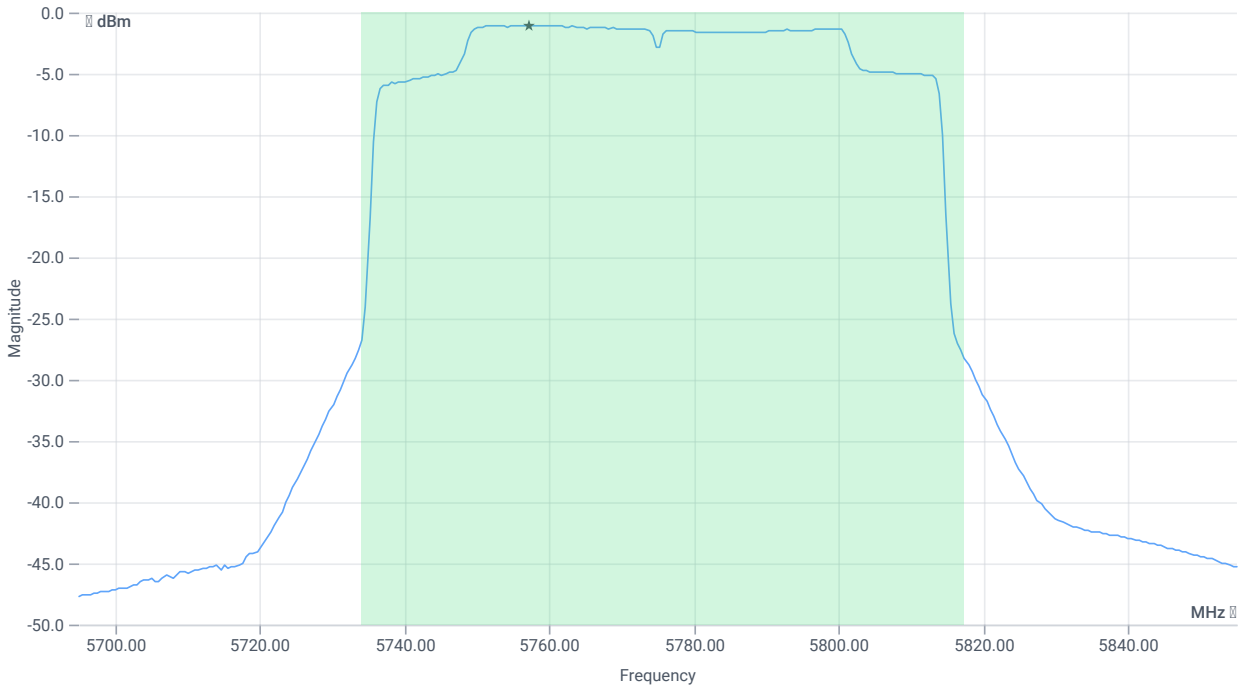
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.2	MHz	INFO
T1 26dB	---	---	5734.0400	MHz	INFO
T2 26dB	---	---	5817.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.62 | 11.41 | 25
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

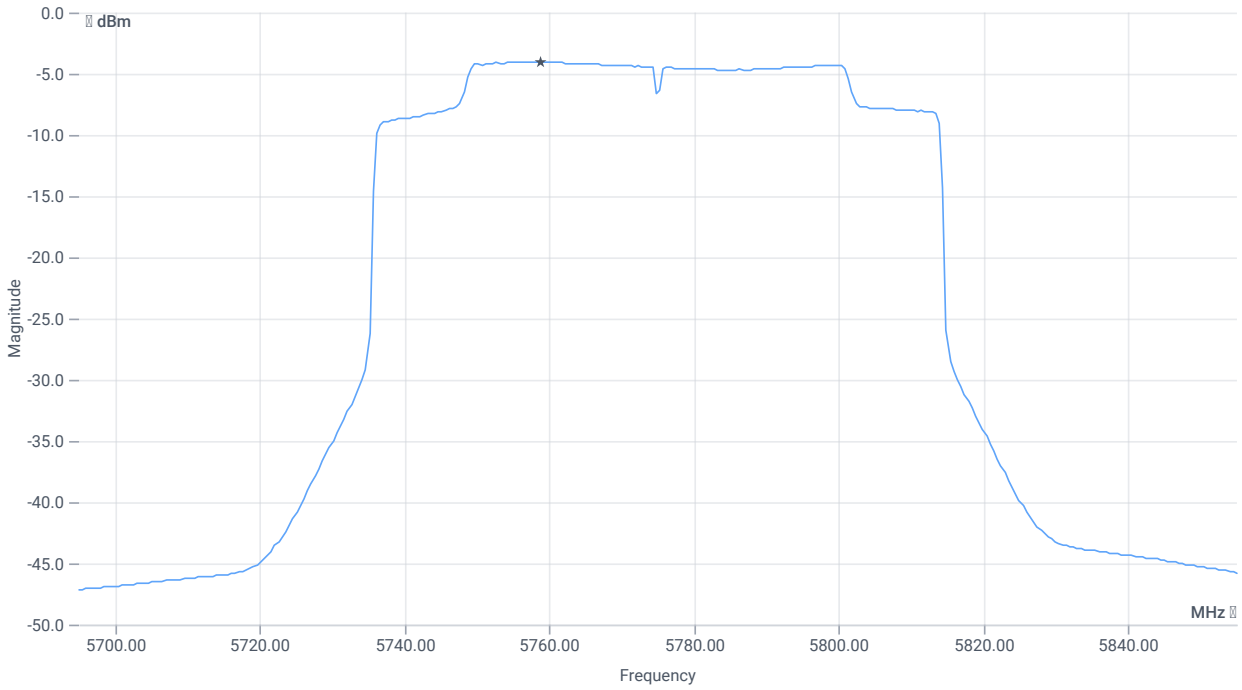
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.37	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	16.46	dBm	PASS
LIMIT: 11 dBm + 10 log 83.2					
Max output power DC corrected cond	---	30.2	16.46	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.62 | 11.41 | 30
Start [MHz] | Stop [MHz]	5695.000 | 5855.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.01	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	-3.92	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-1

References

TC start	06.05.2026 09:40:43
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
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 5210 MHz

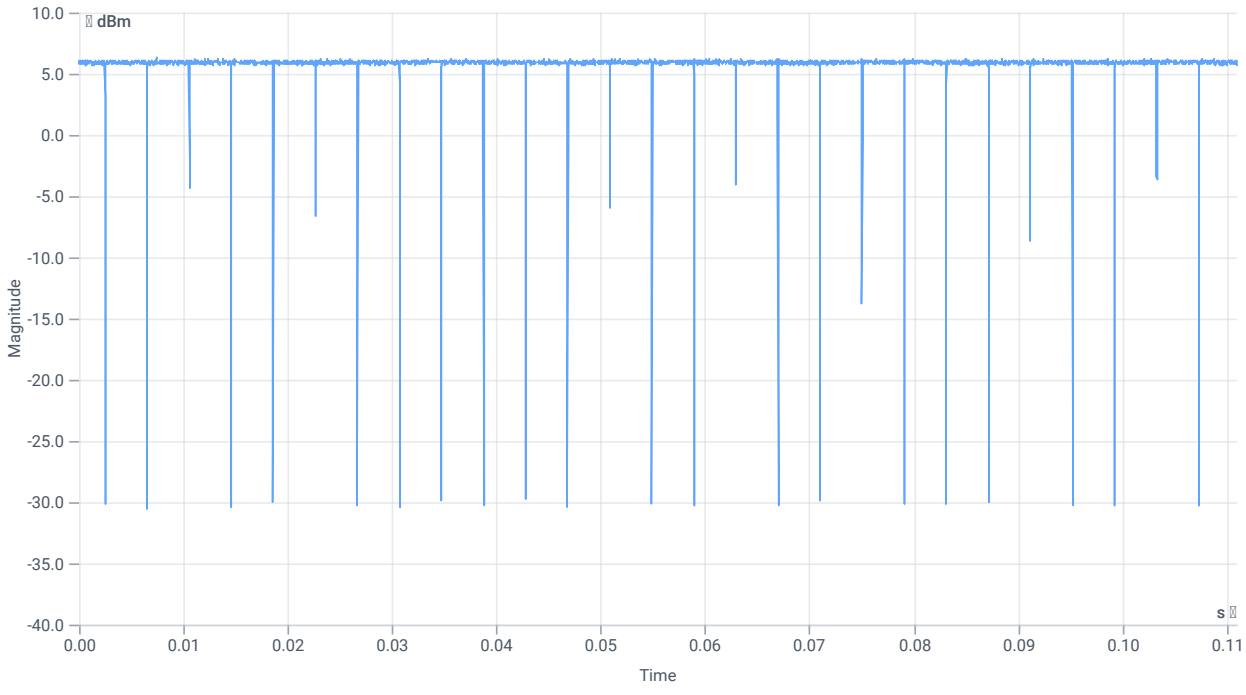
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.77	dBm	INFO
Ref. frequency	---	---	5230.380	MHz	INFO

Evaluation max. duty cycle

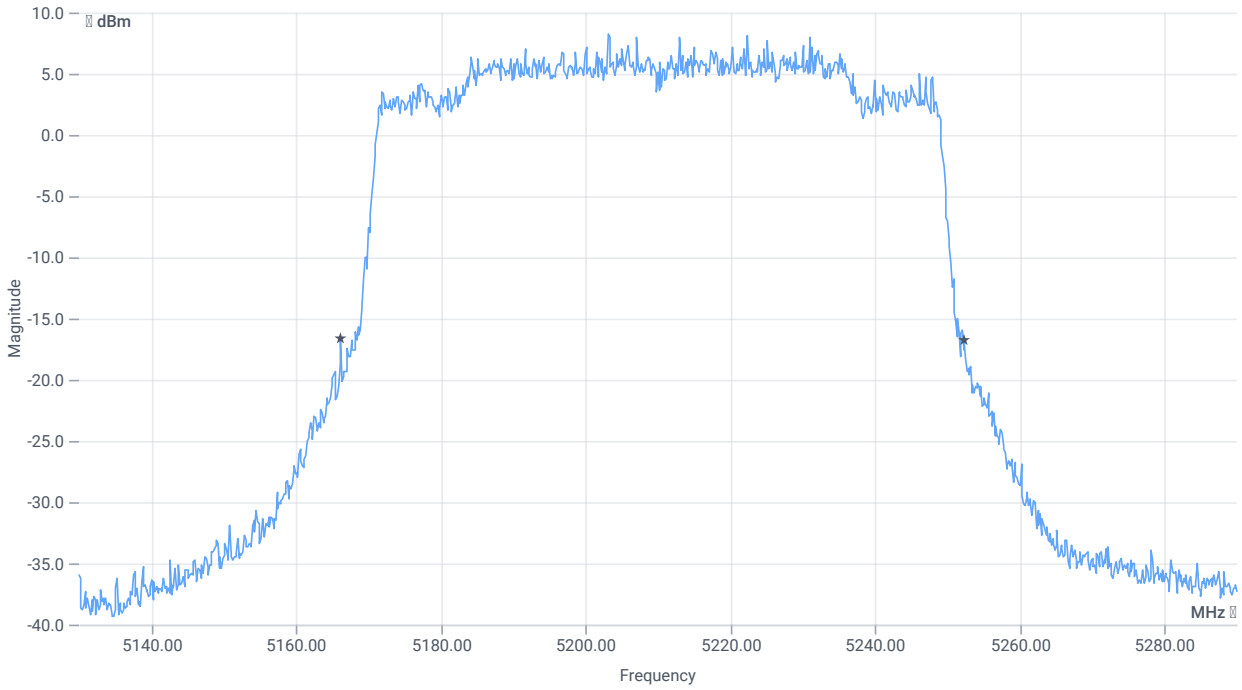
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

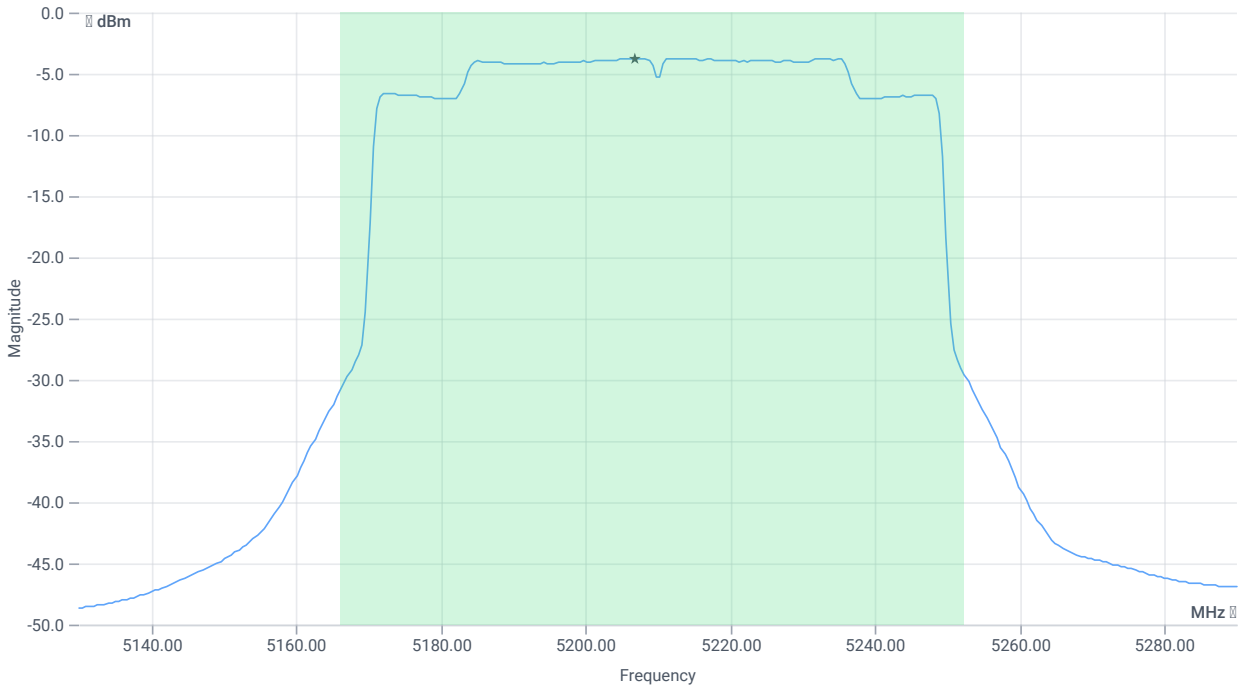
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	86.24	MHz	INFO
T1 26dB	---	---	5166.1600	MHz	INFO
T2 26dB	---	---	5252.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.77 | 11.52 | 25
Start [MHz] | Stop [MHz]	5130.000 | 5290.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.93	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.02	dBm	PASS
LIMIT: 11 dBm + 10 log 86.24					
Max output power DC corrected cond	---	30.36	14.02	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.79	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-3.7	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-1

References

TC start	06.05.2026 09:43:48
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5210
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5210 MHz

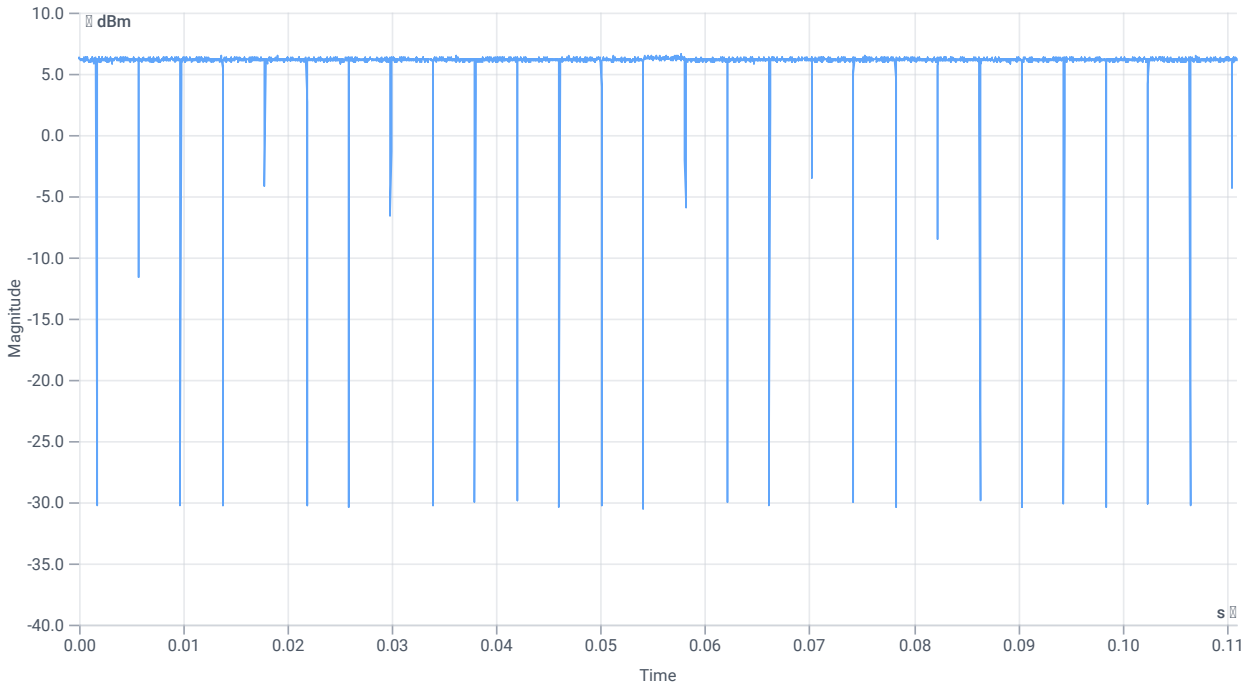
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.68	dBm	INFO
Ref. frequency	---	---	5205.000	MHz	INFO

Evaluation max. duty cycle

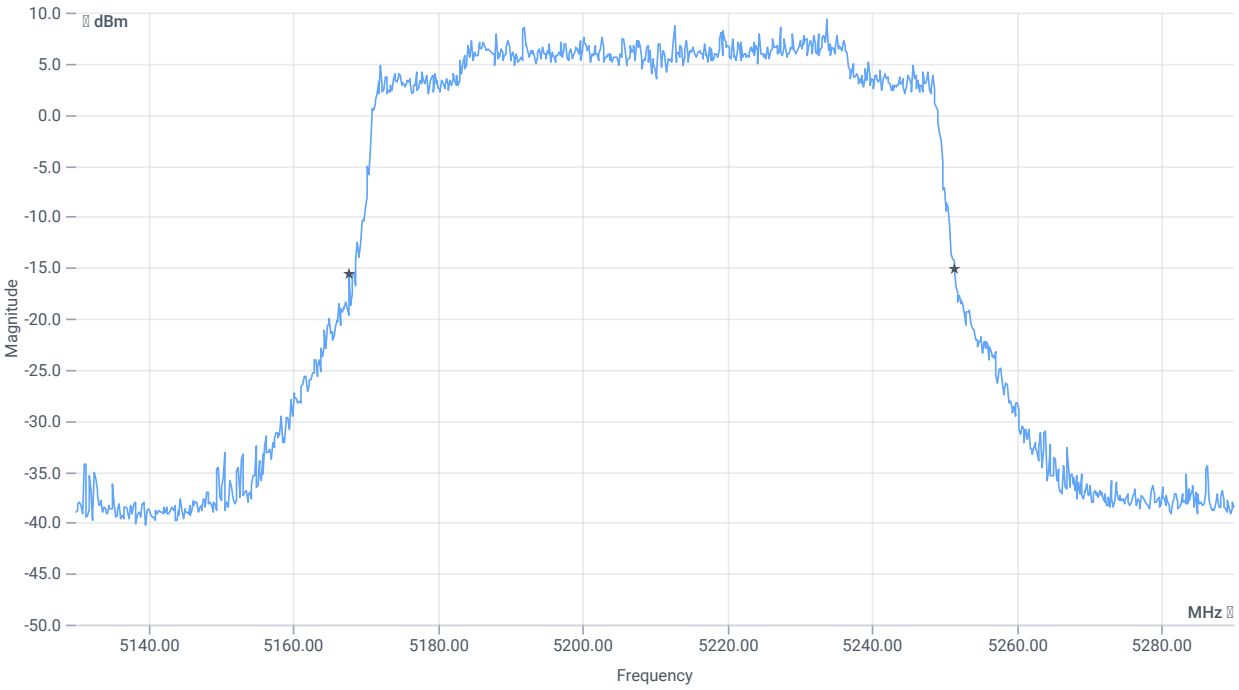
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

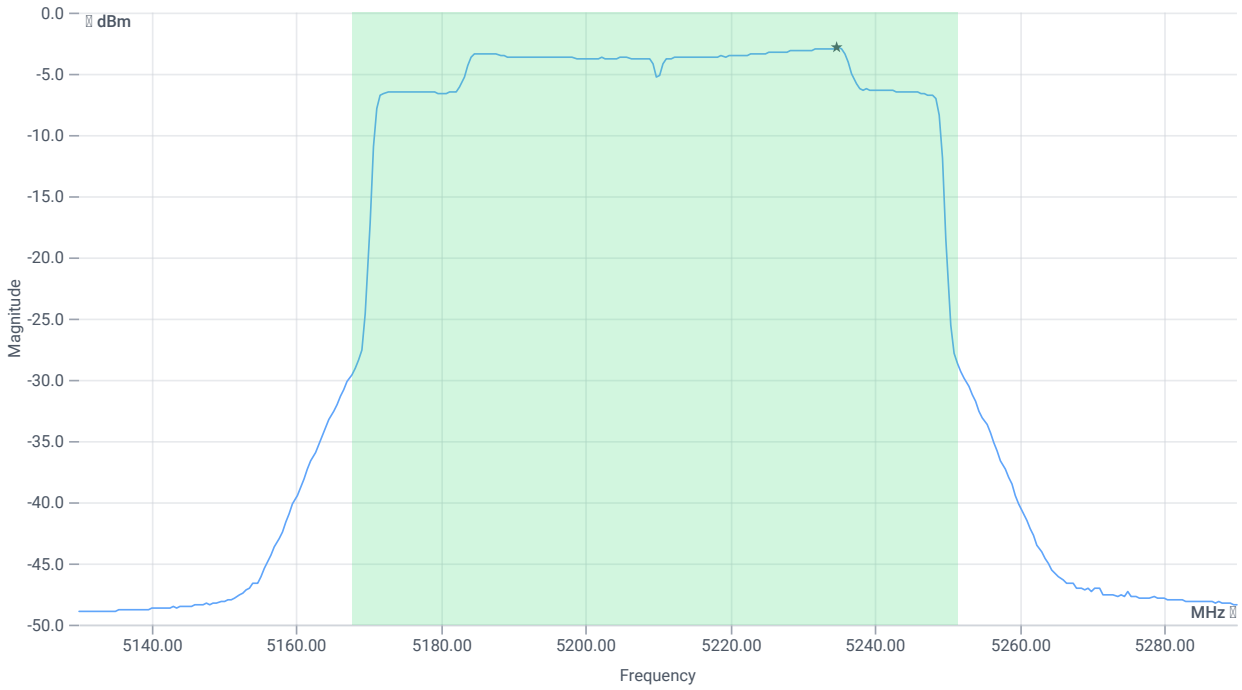
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.68	MHz	INFO
T1 26dB	---	---	5167.7600	MHz	INFO
T2 26dB	---	---	5251.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.68 | 11.52 | 25
Start [MHz] | Stop [MHz]	5130.000 | 5290.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.37	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.46	dBm	PASS
LIMIT: 11 dBm + 10 log 83.68					
Max output power DC corrected cond	---	30.23	14.46	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.89	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-2.8	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2A

References

TC start	06.05.2026 15:28:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
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 5290 MHz

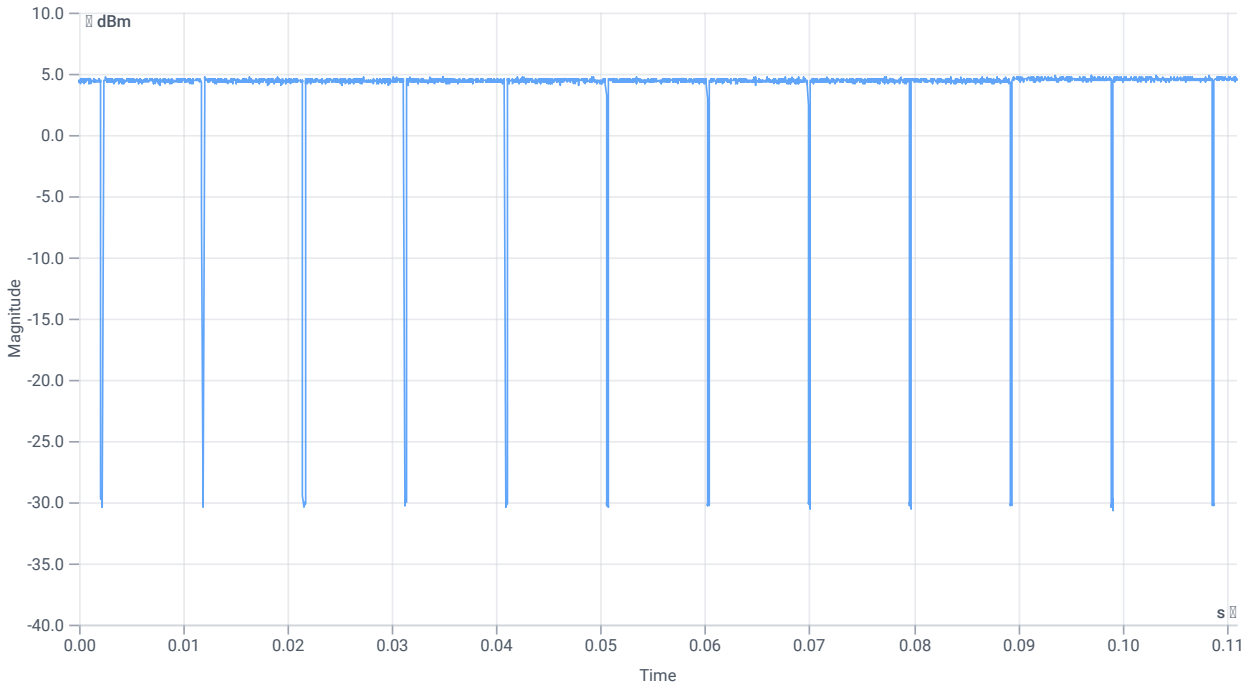
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.12	dBm	INFO
Ref. frequency	---	---	5276.010	MHz	INFO

Evaluation max. duty cycle

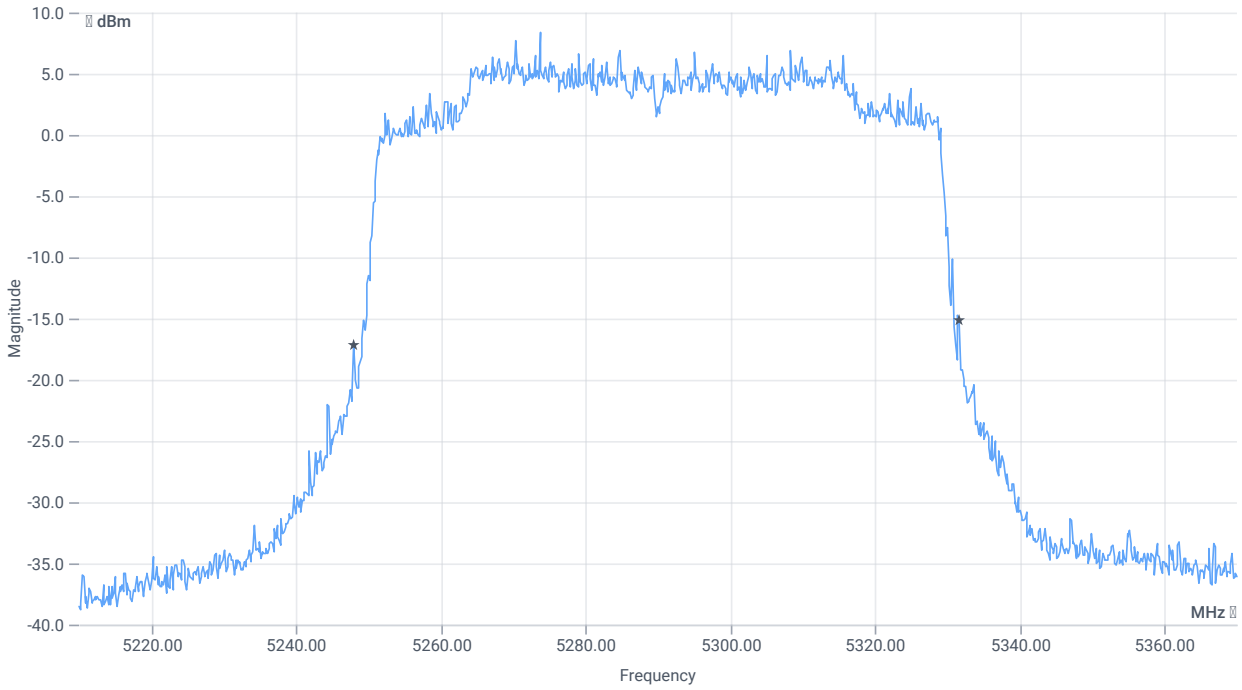
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 11					
Duty cycle (burst Ratio) max	---	---	0.977	---	INFO
Duty cycle max	---	---	0.101	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.974	---	INFO
Duty cycle min	---	---	0.114	dB	INFO
Max TX burst length	---	---	9.463	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.68	MHz	INFO
T1 26dB	---	---	5247.9200	MHz	INFO
T2 26dB	---	---	5331.6000	MHz	INFO

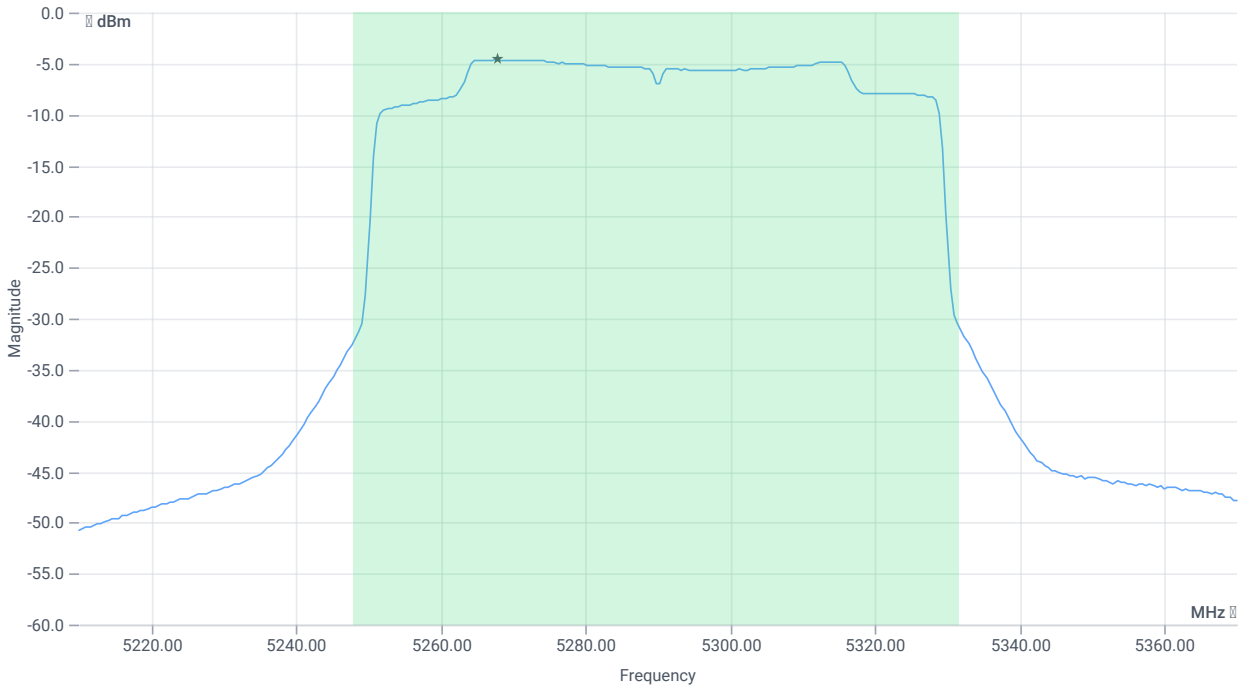
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.12 | 11.37 | 20
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	12.65	dBm	INFO
Duty cycle correction	---	---	0.11	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.76	dBm	PASS
LIMIT: 11 dBm + 10 log 83.68					
Max output power DC corrected cond	---	30.23	12.76	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	12.76	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.59	dBm/1MHz	INFO
Duty cycle correction	---	---	0.11	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.48	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2A

References

TC start	06.05.2026 15:31:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 0
Frequency mid to test	True | Freq [MHz] 5290
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5290 MHz

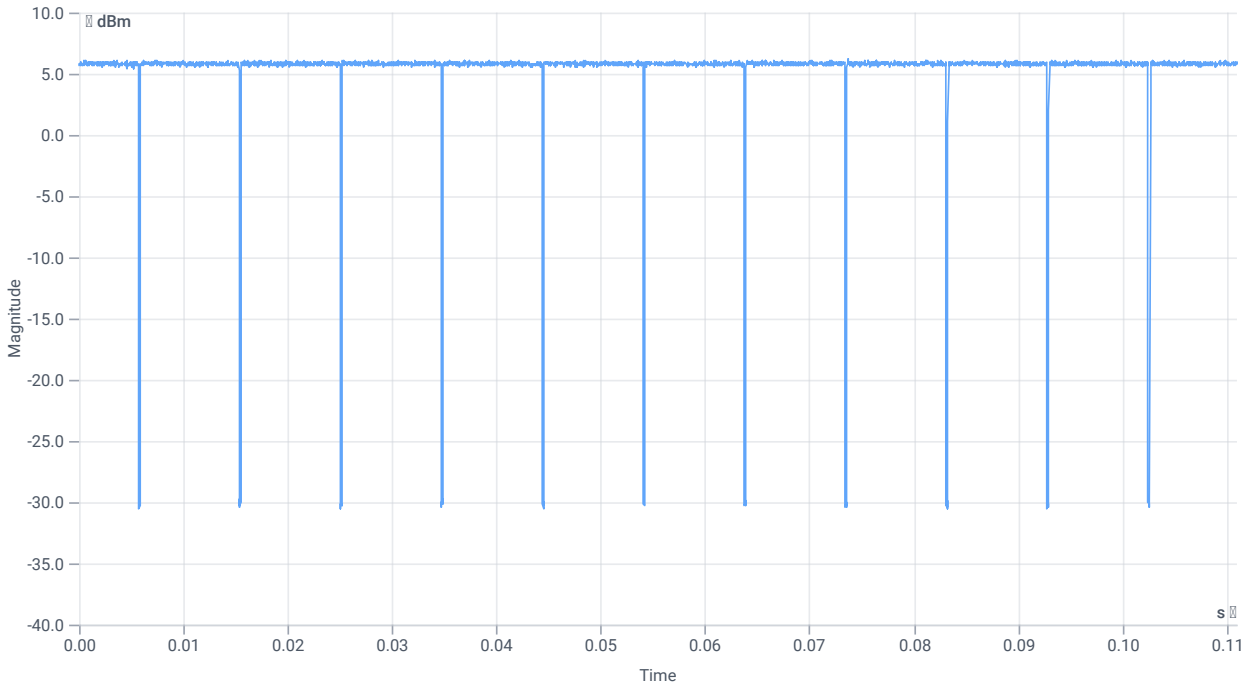
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.79	dBm	INFO
Ref. frequency	---	---	5285.600	MHz	INFO

Evaluation max. duty cycle

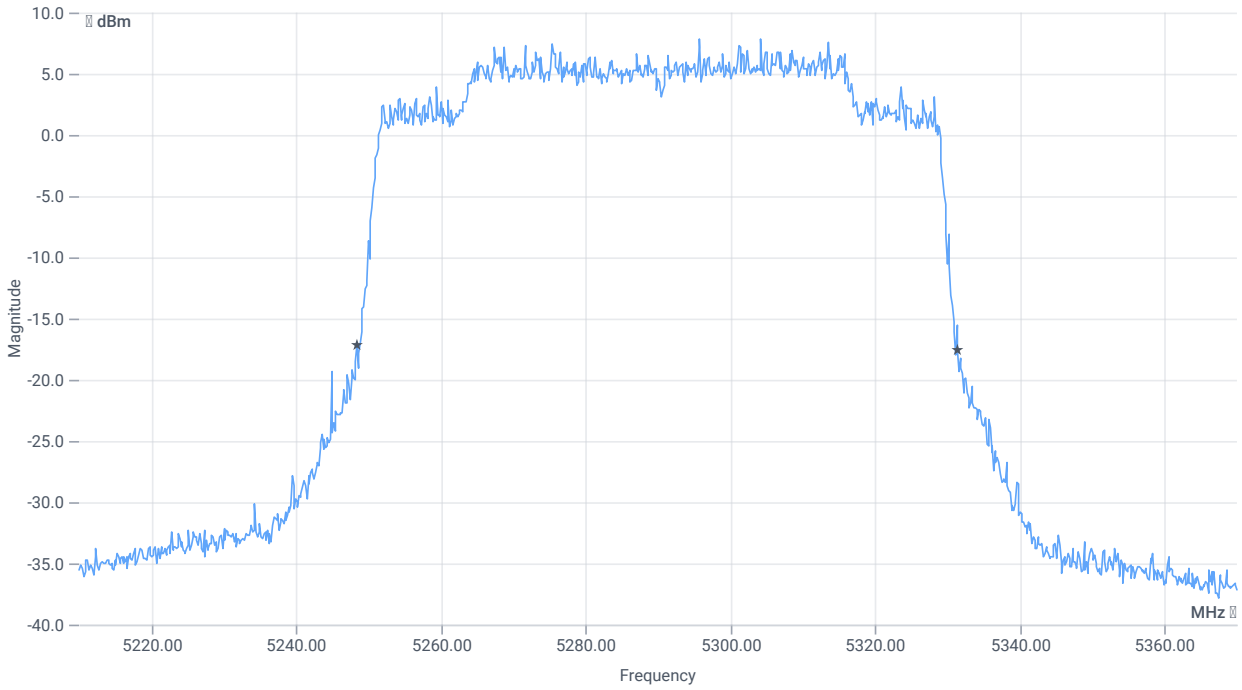
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 10					
Duty cycle (burst Ratio) max	---	---	0.977	---	INFO
Duty cycle max	---	---	0.101	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.974	---	INFO
Duty cycle min	---	---	0.114	dB	INFO
Max TX burst length	---	---	9.463	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.04	MHz	INFO
T1 26dB	---	---	5248.4000	MHz	INFO
T2 26dB	---	---	5331.4400	MHz	INFO

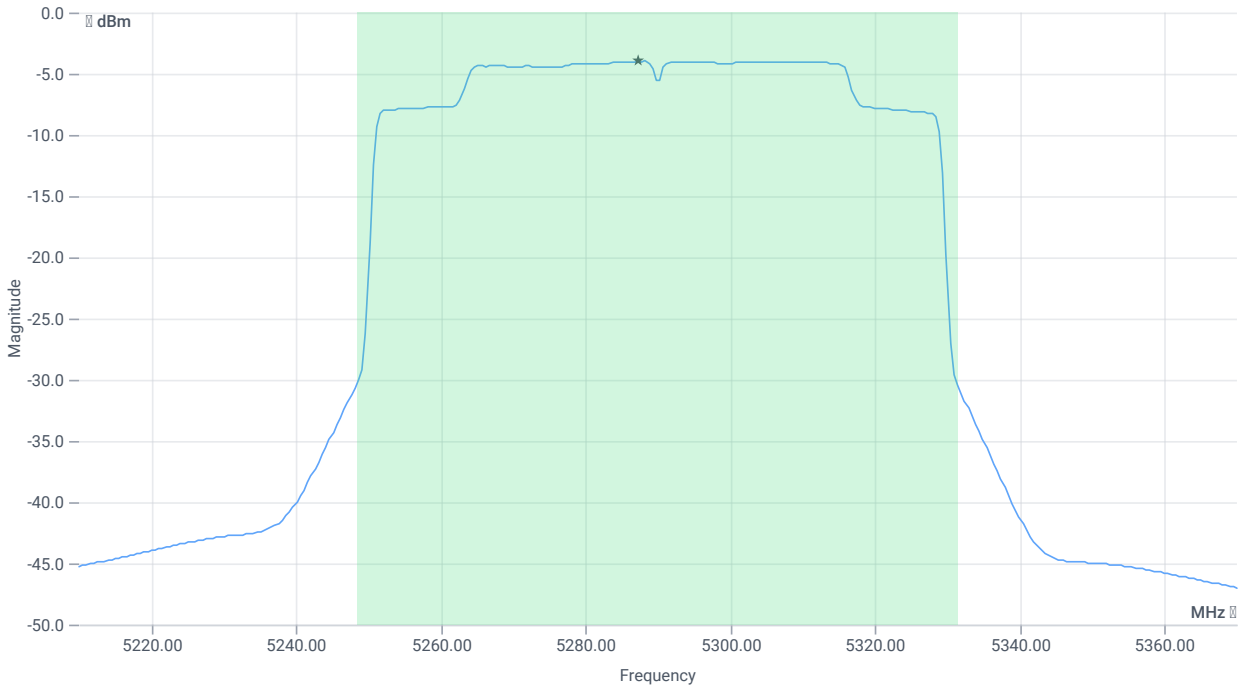
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.79 | 11.36 | 25
Start [MHz] | Stop [MHz]	5210.000 | 5370.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.56	dBm	INFO
Duty cycle correction	---	---	0.11	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.67	dBm	PASS
LIMIT: 11 dBm + 10 log 83.04					
Max output power DC corrected cond	---	30.19	13.67	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.67	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.98	dBm/1MHz	INFO
Duty cycle correction	---	---	0.11	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.87	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

References

TC start	07.05.2026 10:51:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 0
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 5530 MHz

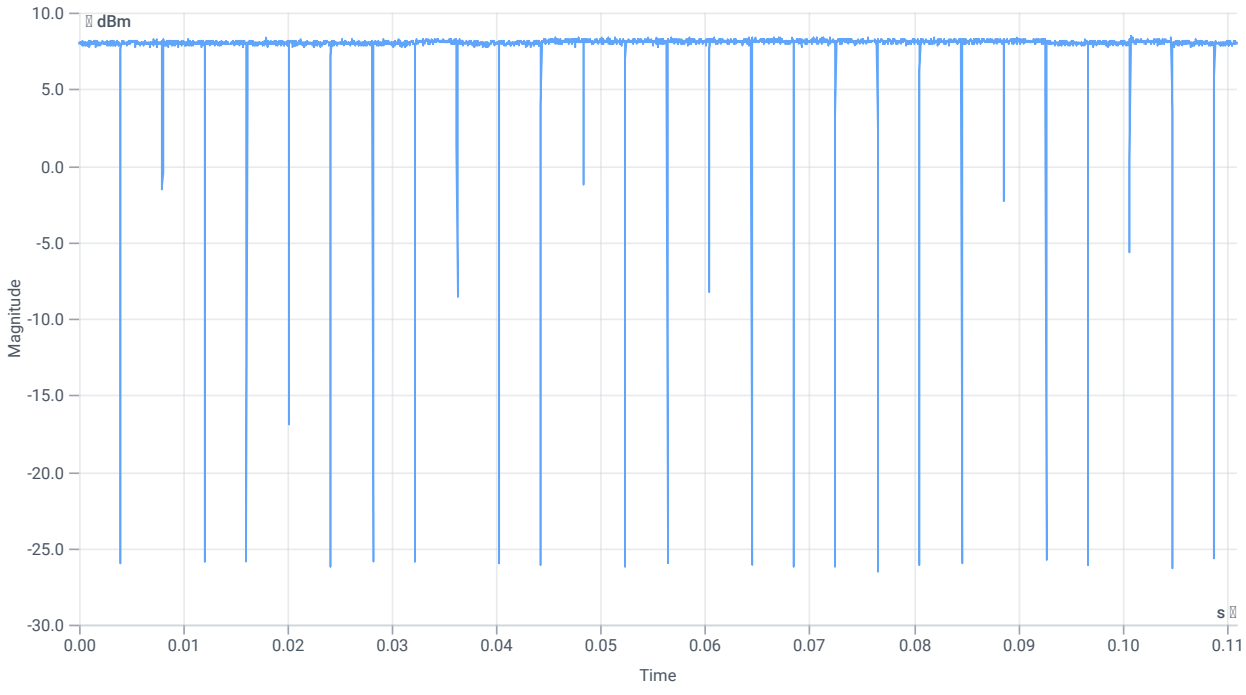
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.31	dBm	INFO
Ref. frequency	---	---	5550.780	MHz	INFO

Evaluation max. duty cycle

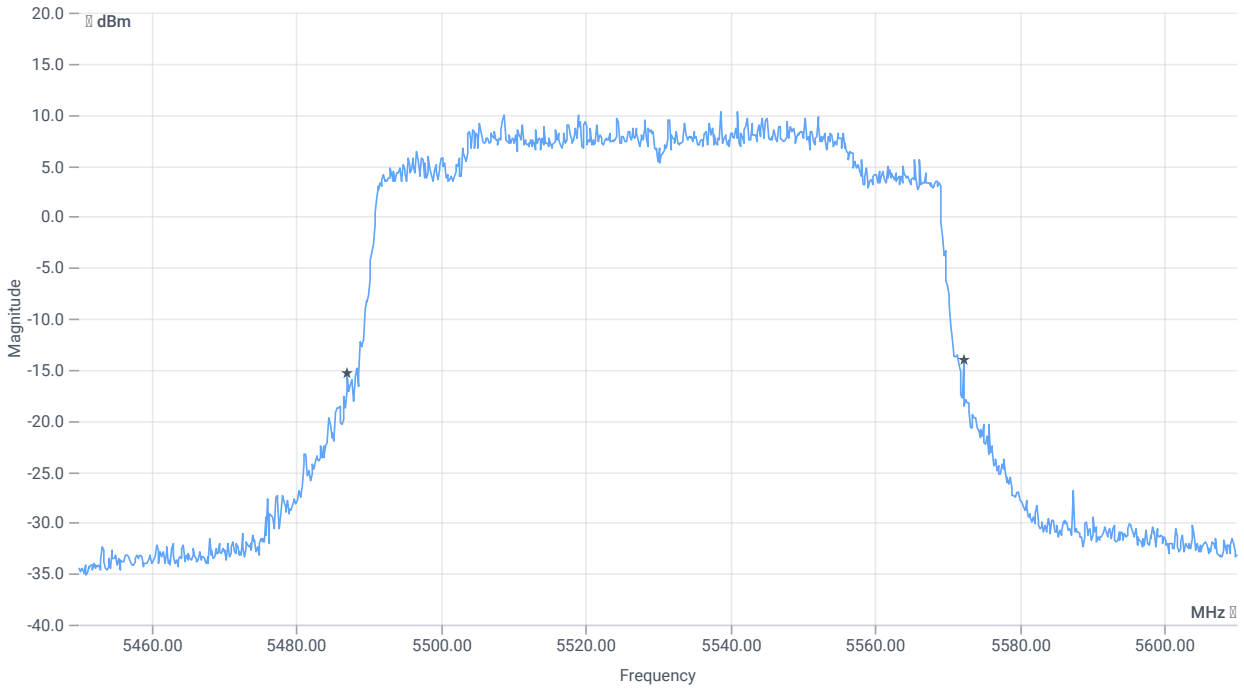
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

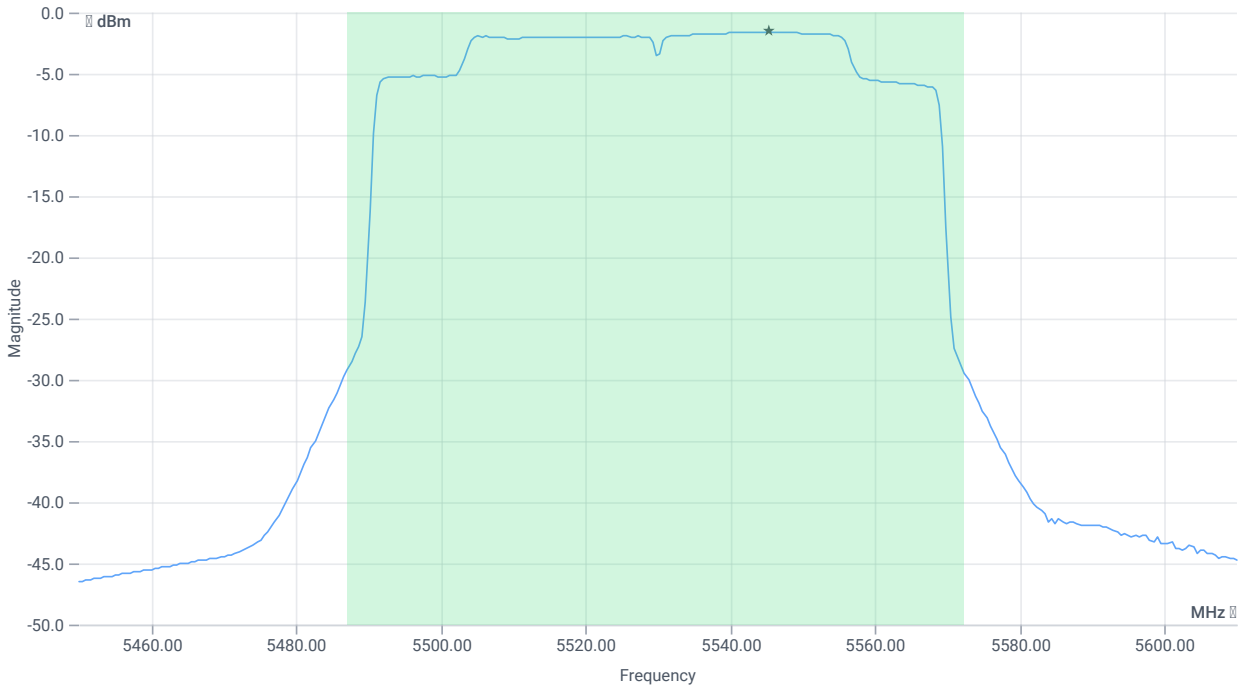
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	85.12	MHz	INFO
T1 26dB	---	---	5487.1200	MHz	INFO
T2 26dB	---	---	5572.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.31 | 11.41 | 25
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.89	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.98	dBm	PASS
LIMIT: 11 dBm + 10 log 85.12					
Max output power DC corrected cond	---	30.3	15.98	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.98	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.55	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-1.46	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

References

TC start	07.05.2026 10:54:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5530
Frequency mid to test	False | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5530 MHz

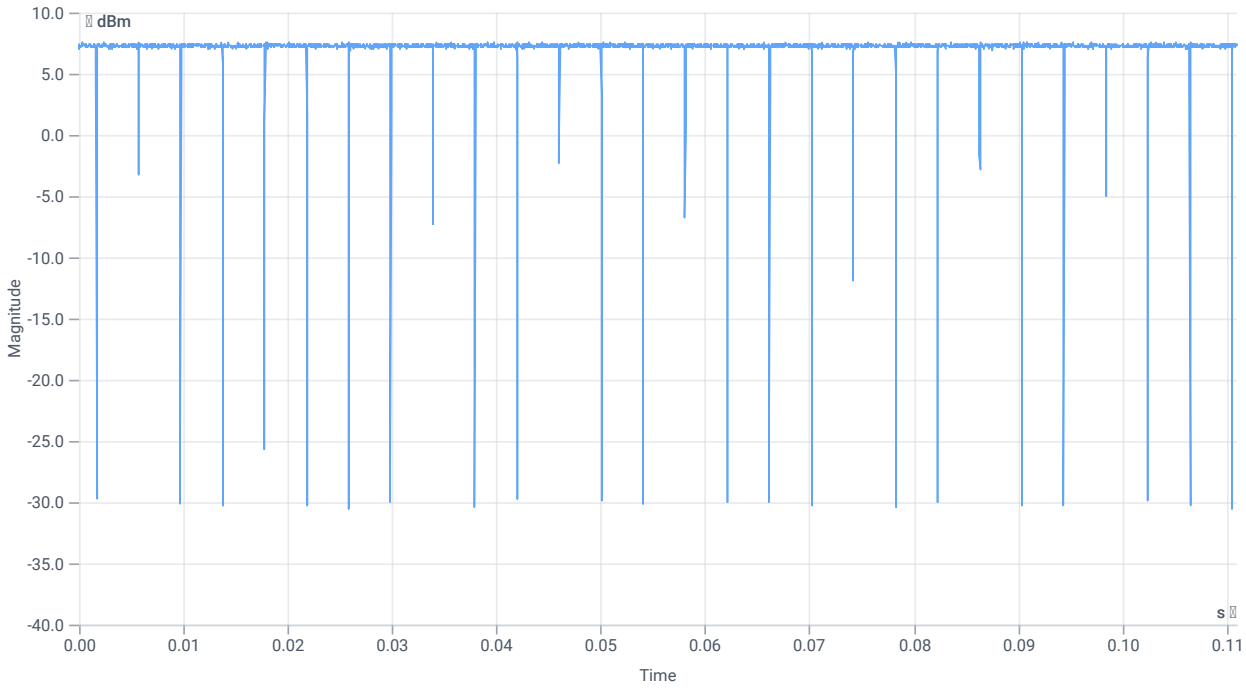
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.70	dBm	INFO
Ref. frequency	---	---	5517.210	MHz	INFO

Evaluation max. duty cycle

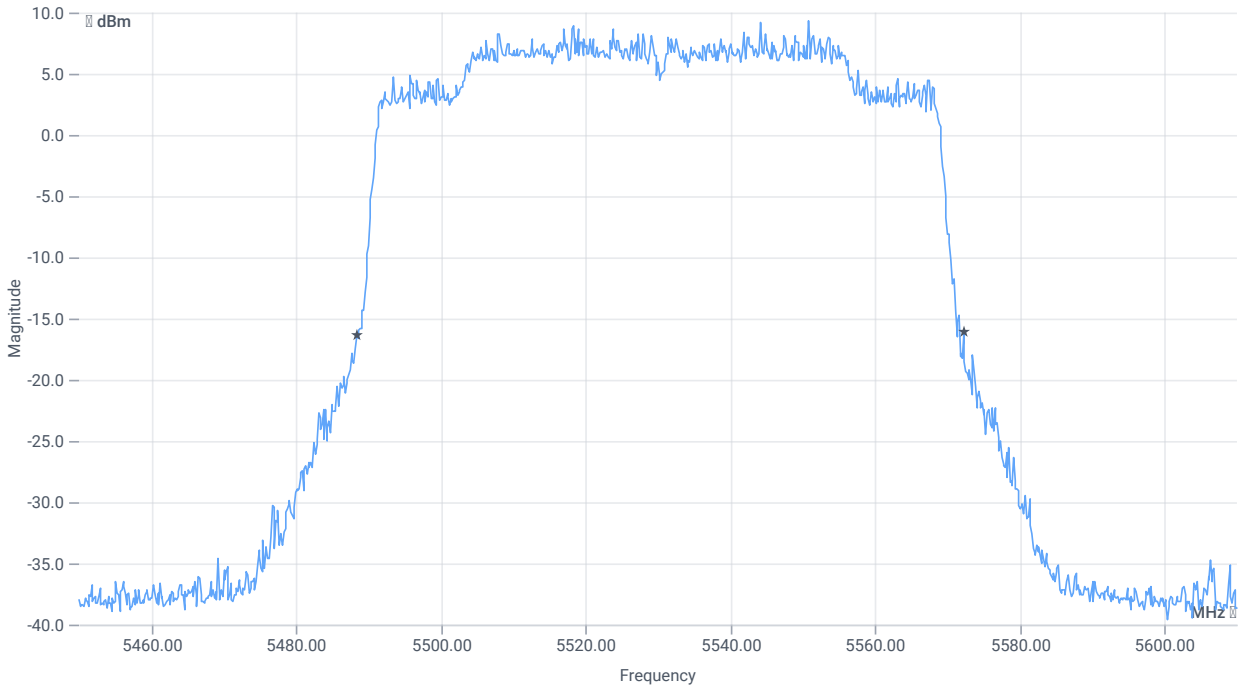
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

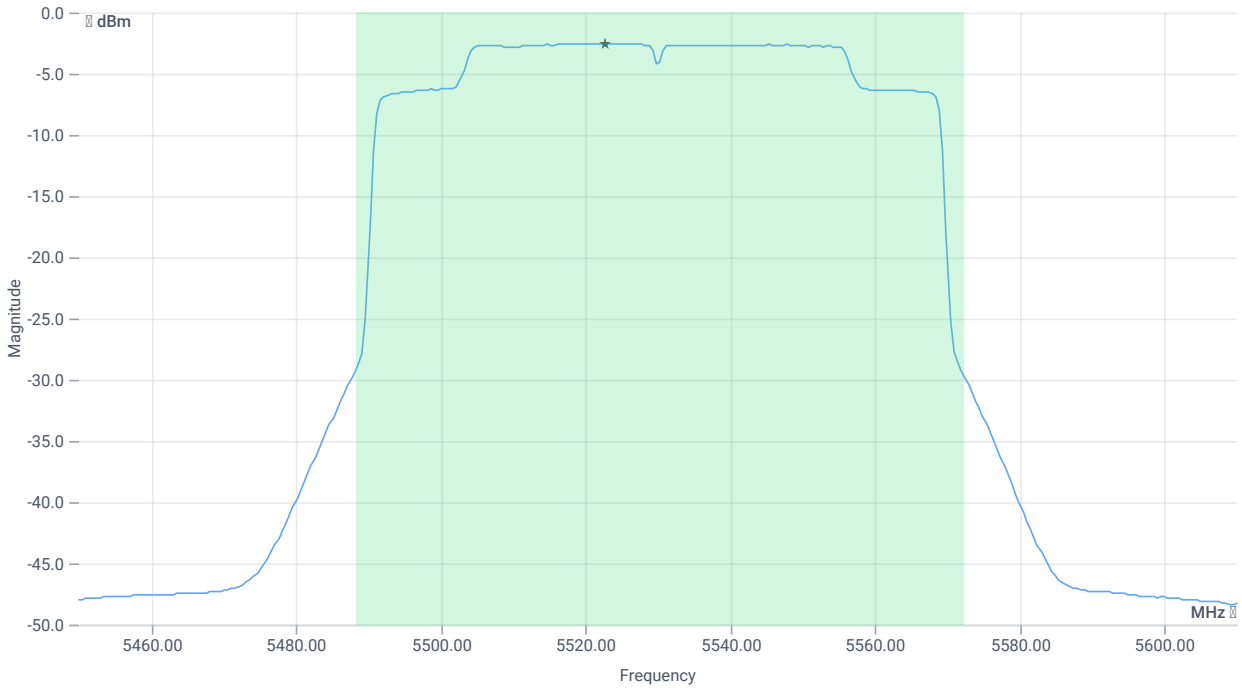
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.84	MHz	INFO
T1 26dB	---	---	5488.4000	MHz	INFO
T2 26dB	---	---	5572.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.70 | 11.35 | 25
Start [MHz] | Stop [MHz]	5450.000 | 5610.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.05	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.14	dBm	PASS
LIMIT: 11 dBm + 10 log 83.84					
Max output power DC corrected cond	---	30.23	15.14	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.14	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.56	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.47	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

References

TC start	07.05.2026 11:00:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 0
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 5610 MHz

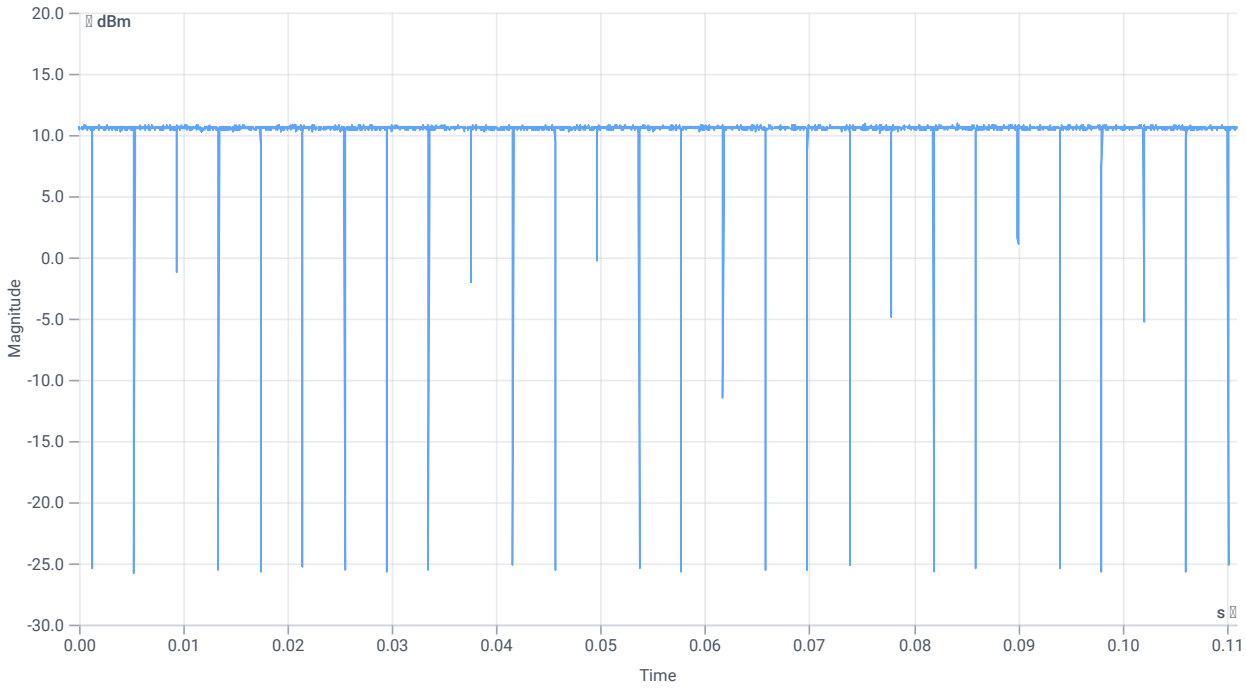
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.48	dBm	INFO
Ref. frequency	---	---	5602.610	MHz	INFO

Evaluation max. duty cycle

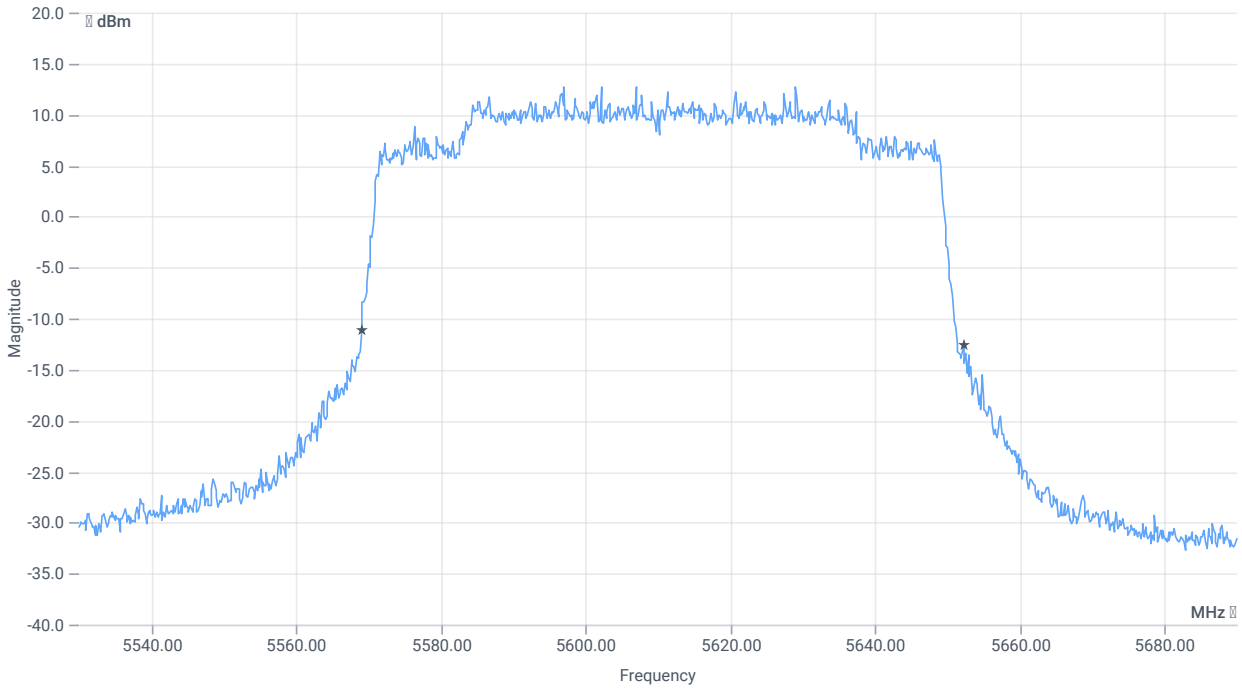
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

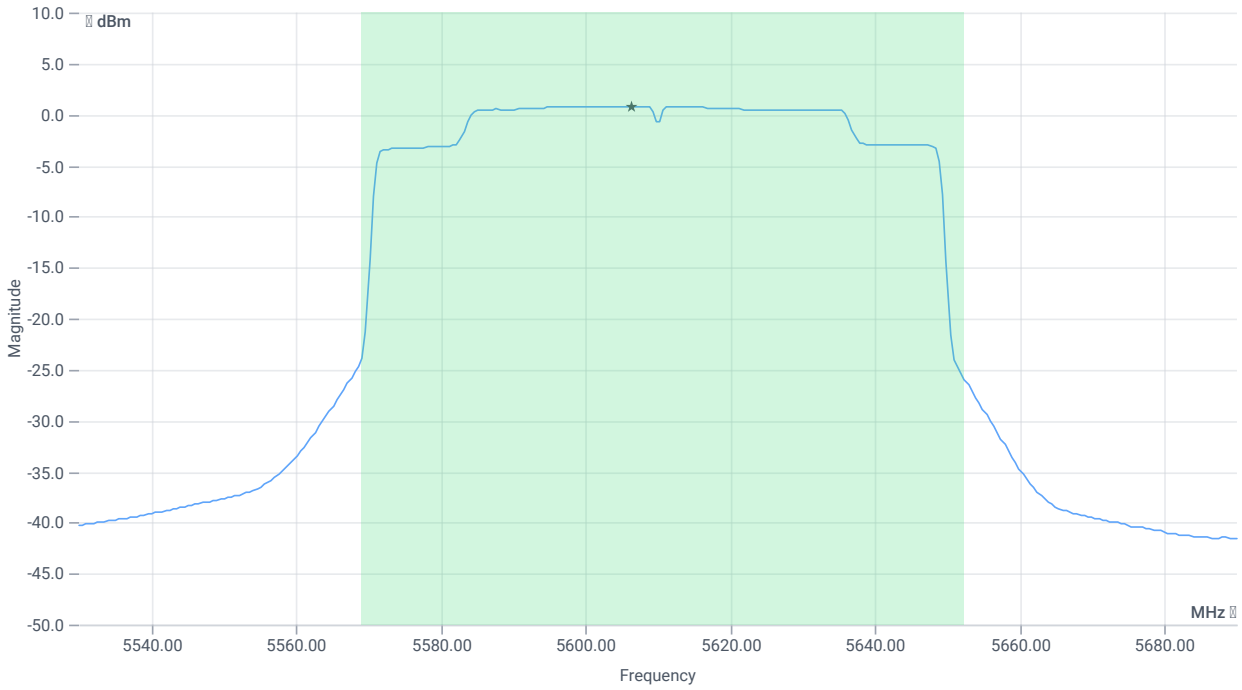
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.2	MHz	INFO
T1 26dB	---	---	5569.0400	MHz	INFO
T2 26dB	---	---	5652.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.48 | 11.61 | 30
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	18.33	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.42	dBm	PASS
LIMIT: 11 dBm + 10 log 83.2					
Max output power DC corrected cond	---	30.2	18.42	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.42	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.81	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.9	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

References

TC start	07.05.2026 11:03:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE80 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE80
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5530
Frequency mid to test	True | Freq [MHz] 5610
Frequency high to test	False | Freq [MHz] 0
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5610 MHz

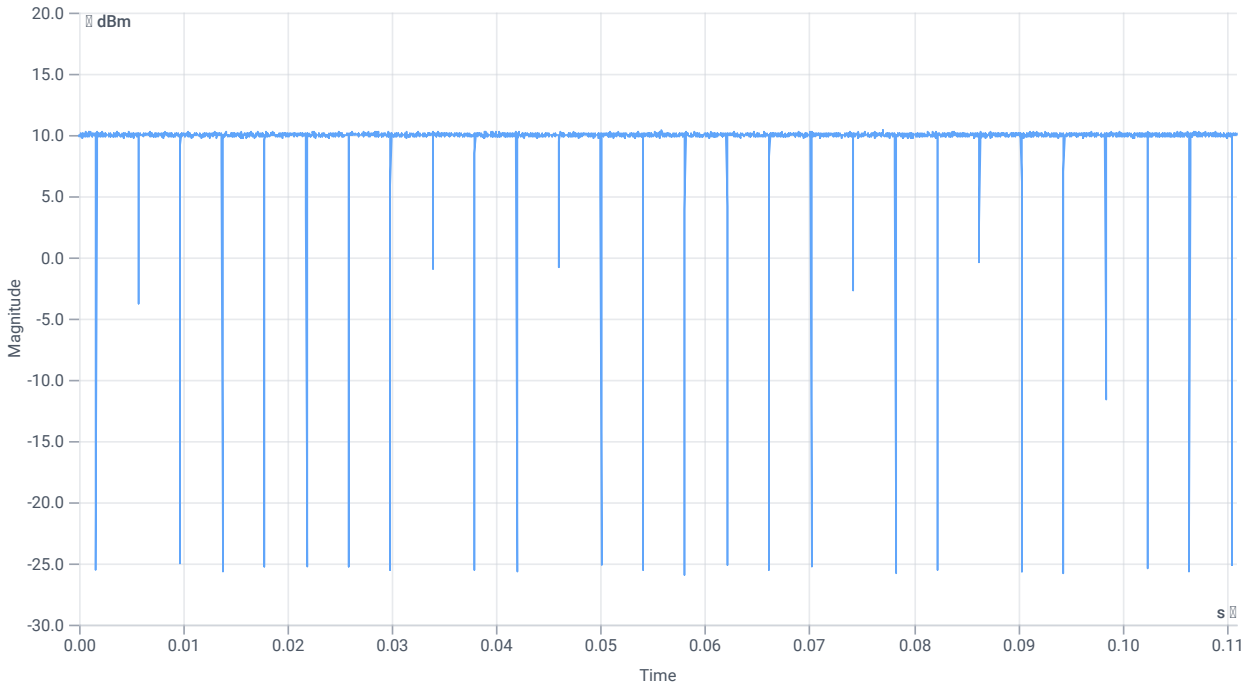
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.87	dBm	INFO
Ref. frequency	---	---	5625.380	MHz	INFO

Evaluation max. duty cycle

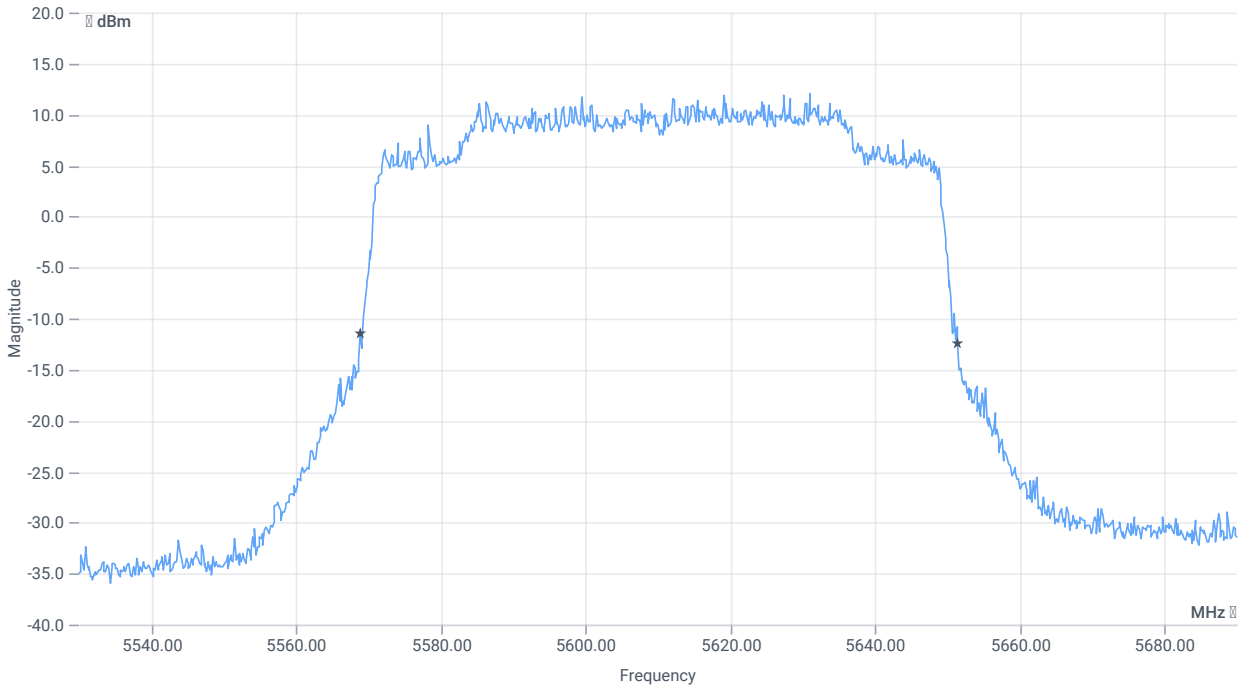
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

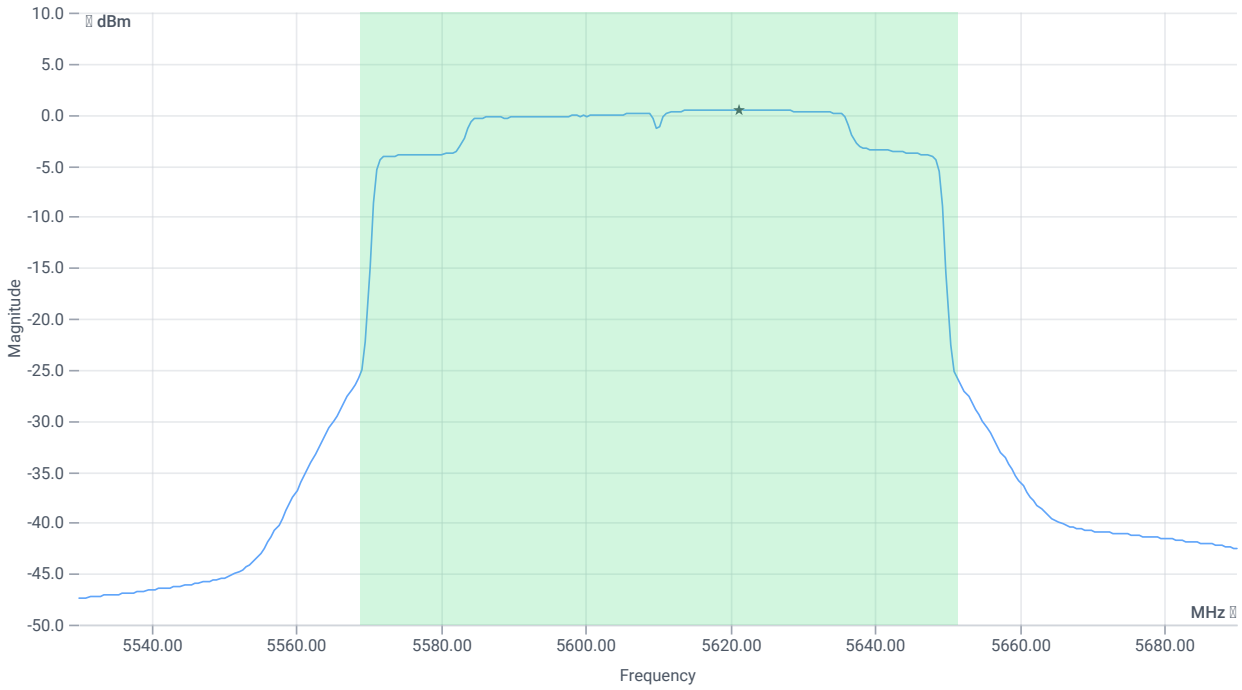
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.56	MHz	INFO
T1 26dB	---	---	5568.8800	MHz	INFO
T2 26dB	---	---	5651.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.87 | 11.64 | 25
Start [MHz] | Stop [MHz]	5530.000 | 5690.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	119000 | 1 | 320 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.82	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.91	dBm	PASS
LIMIT: 11 dBm + 10 log 82.56					
Max output power DC corrected cond	---	30.17	17.91	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.91	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.51	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	0.6	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 16:58:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5180 MHz

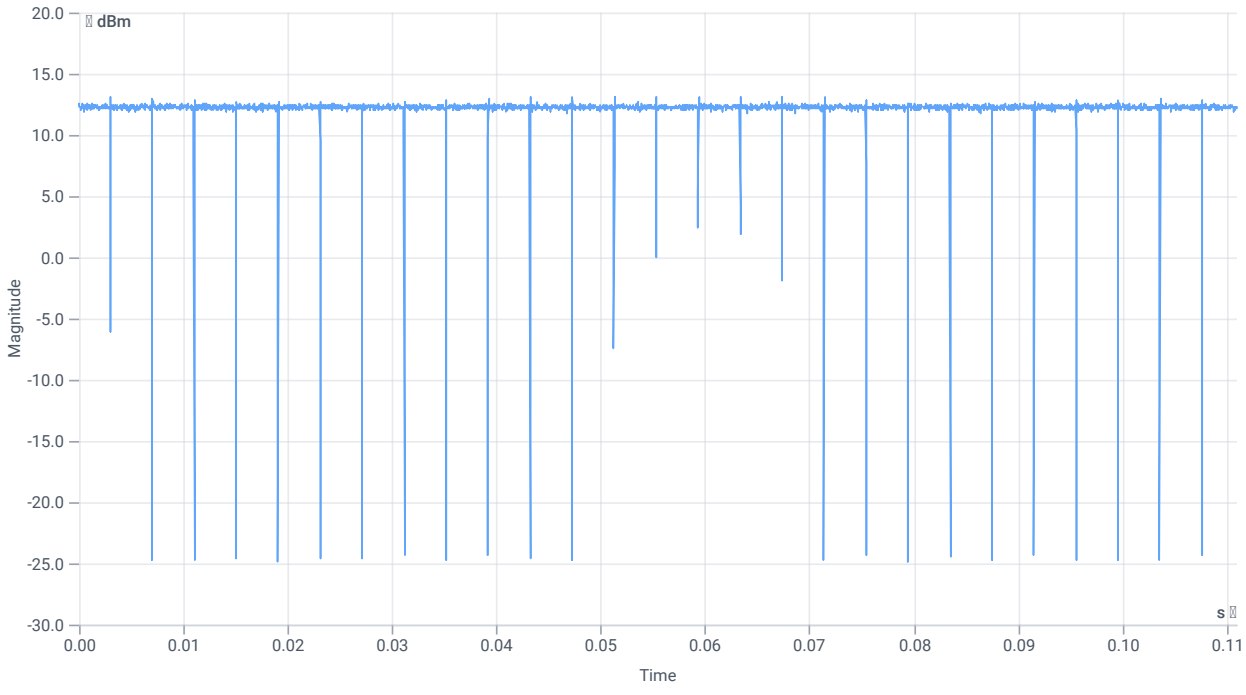
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.49	dBm	INFO
Ref. frequency	---	---	5177.400	MHz	INFO

Evaluation max. duty cycle

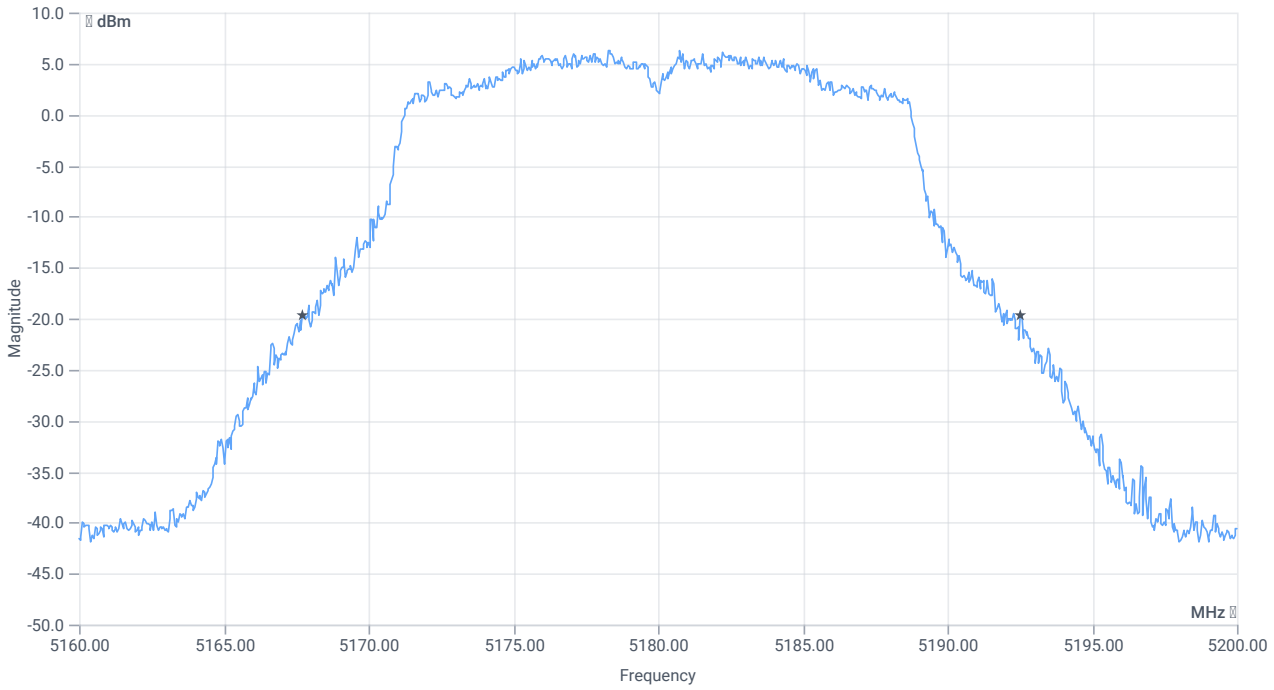
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

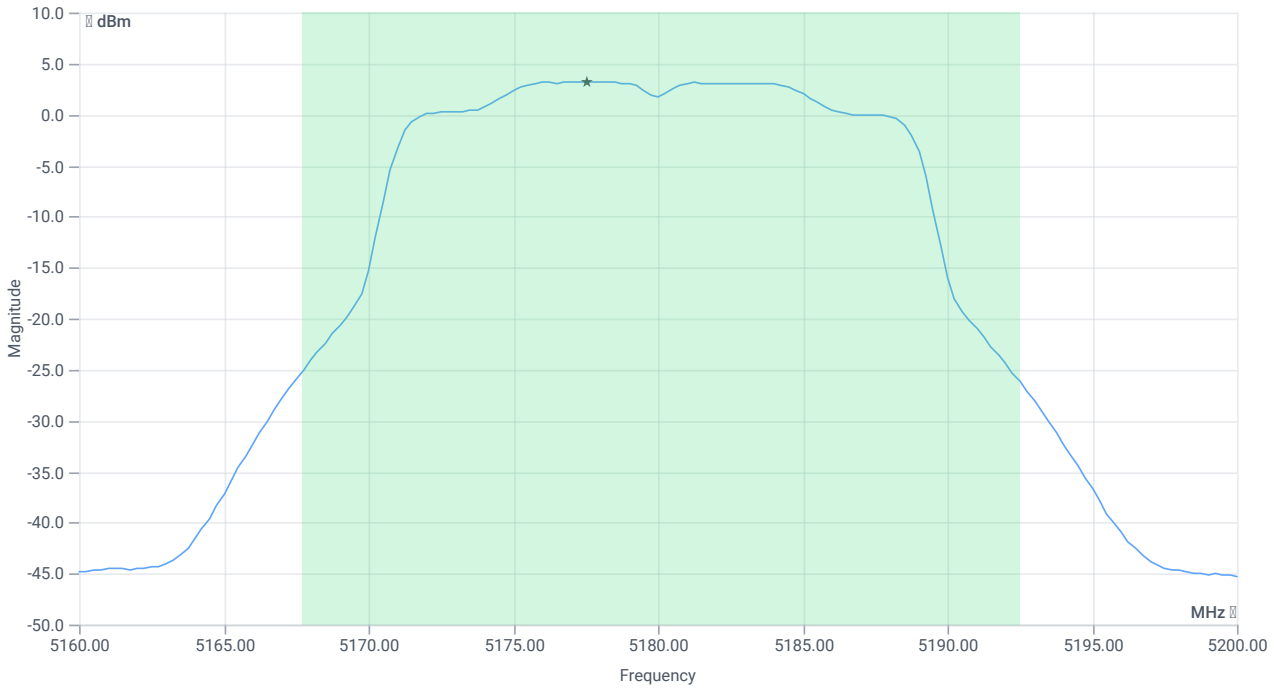
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.8	MHz	INFO
T1 26dB	---	---	5167.7200	MHz	INFO
T2 26dB	---	---	5192.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.49 | 11.48 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.23	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.32	dBm	PASS
LIMIT: 11 dBm + 10 log 24.8					
Max output power DC corrected cond	---	24.94	14.32	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.21	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	3.3	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 17:00:15
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5180 MHz

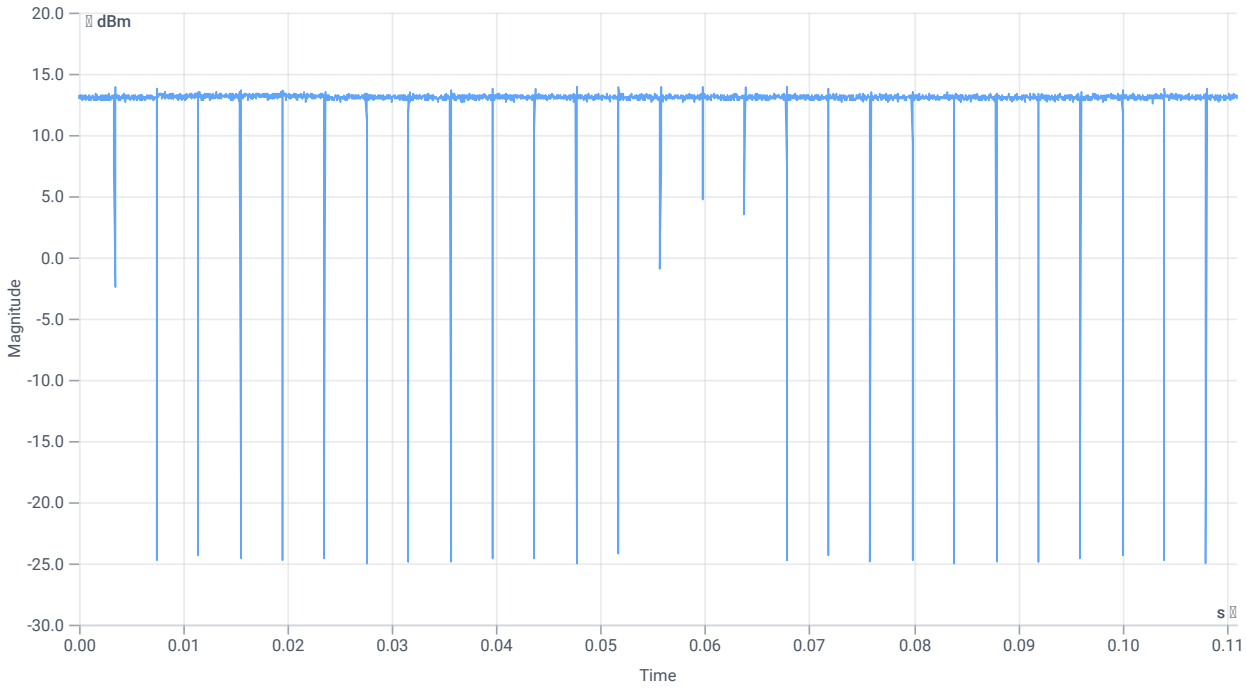
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.68	dBm	INFO
Ref. frequency	---	---	5177.600	MHz	INFO

Evaluation max. duty cycle

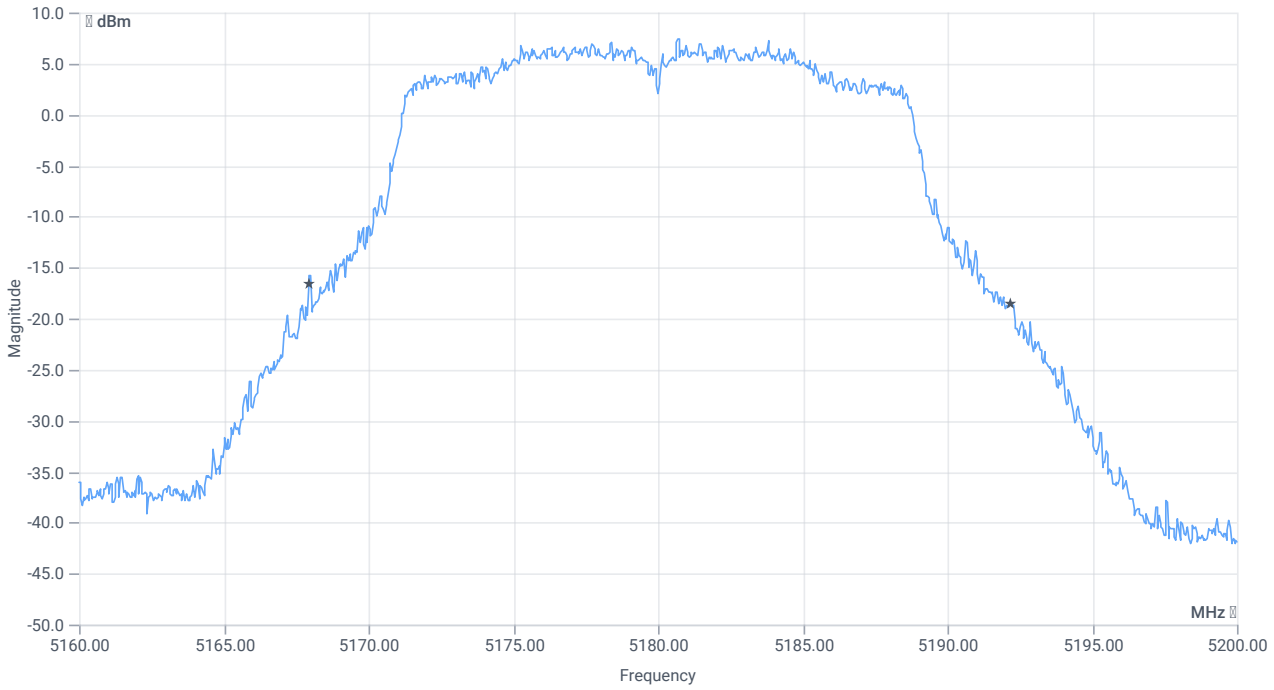
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

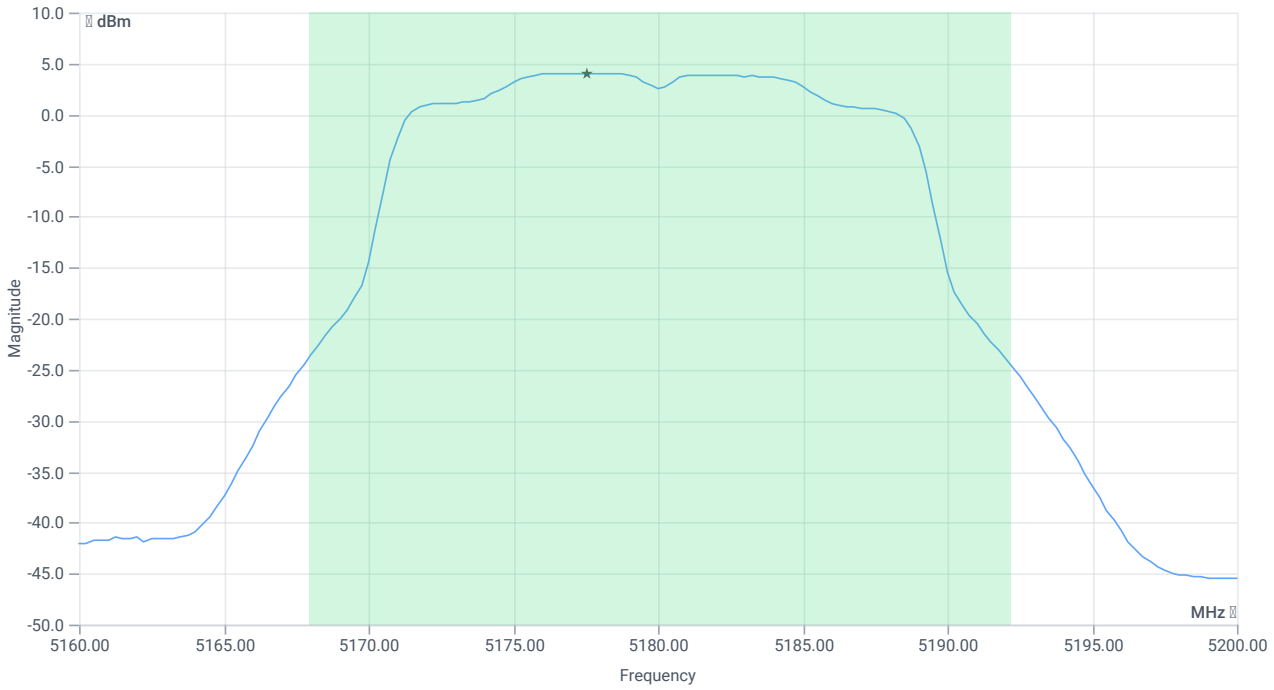
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.28	MHz	INFO
T1 26dB	---	---	5167.9200	MHz	INFO
T2 26dB	---	---	5192.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.68 | 11.46 | 30
Start [MHz] | Stop [MHz]	5160.000 | 5200.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	15.02	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.11	dBm	PASS
LIMIT: 11 dBm + 10 log 24.28					
Max output power DC corrected cond	---	24.85	15.11	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	4.07	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	4.16	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 17:02:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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 5200 MHz

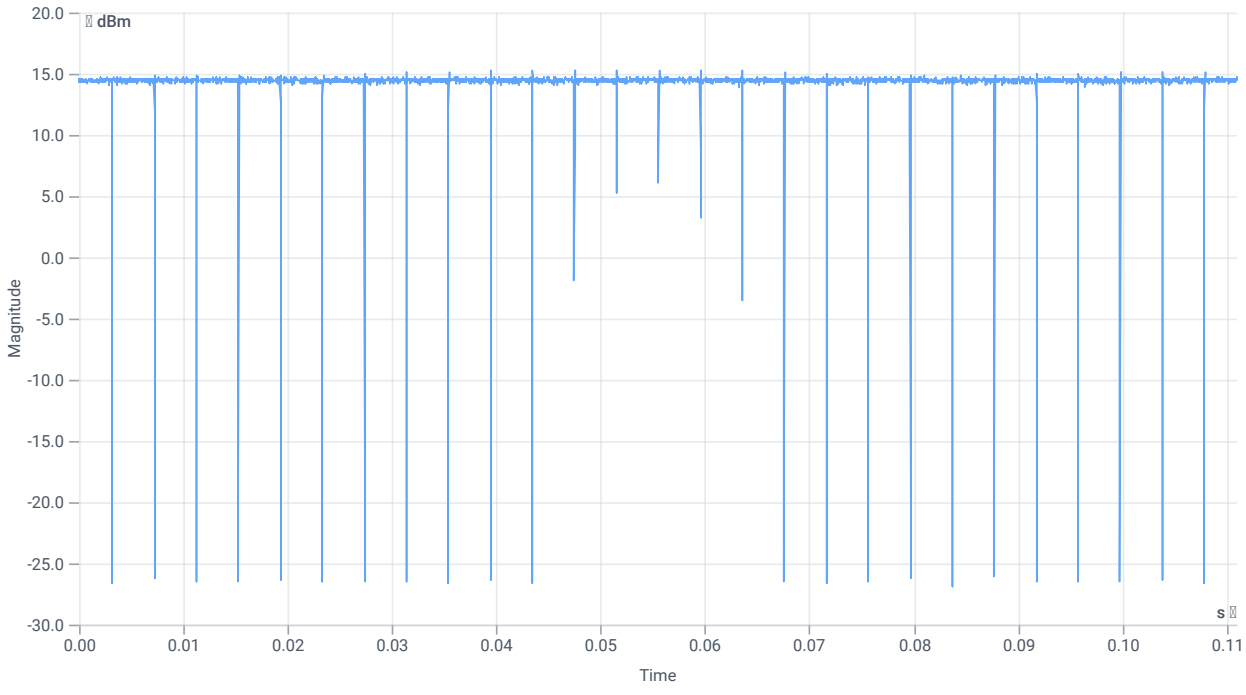
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.66	dBm	INFO
Ref. frequency	---	---	5196.200	MHz	INFO

Evaluation max. duty cycle

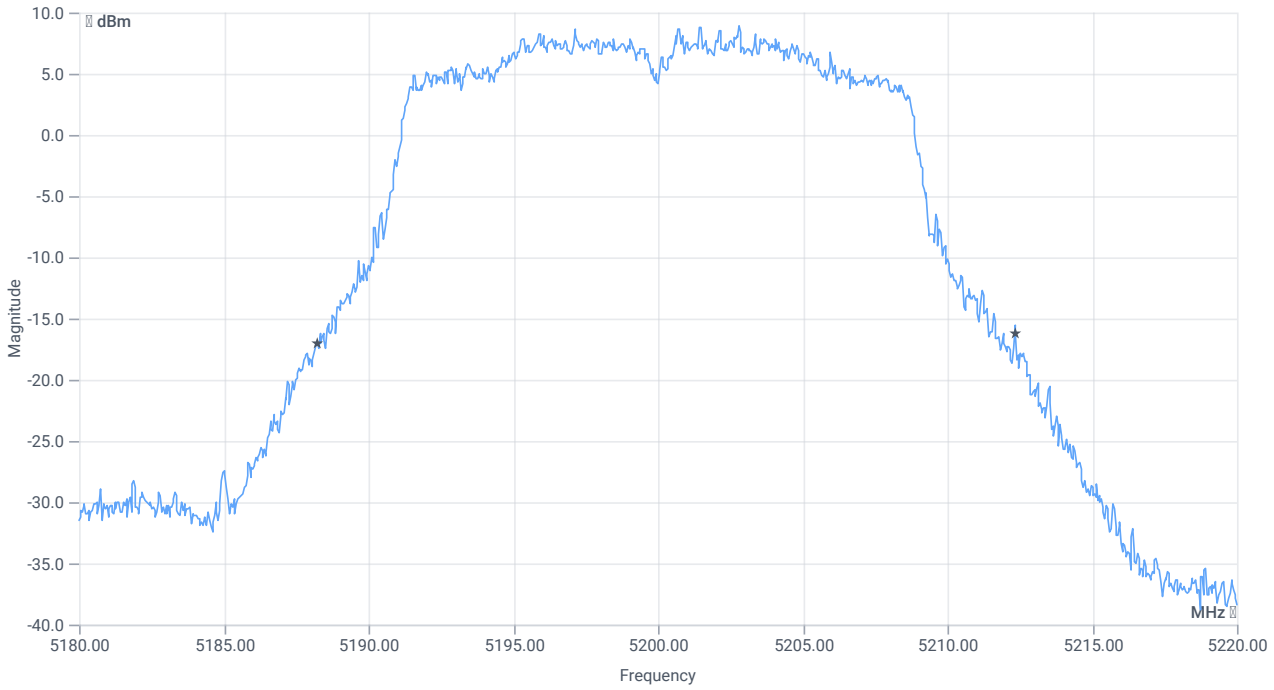
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

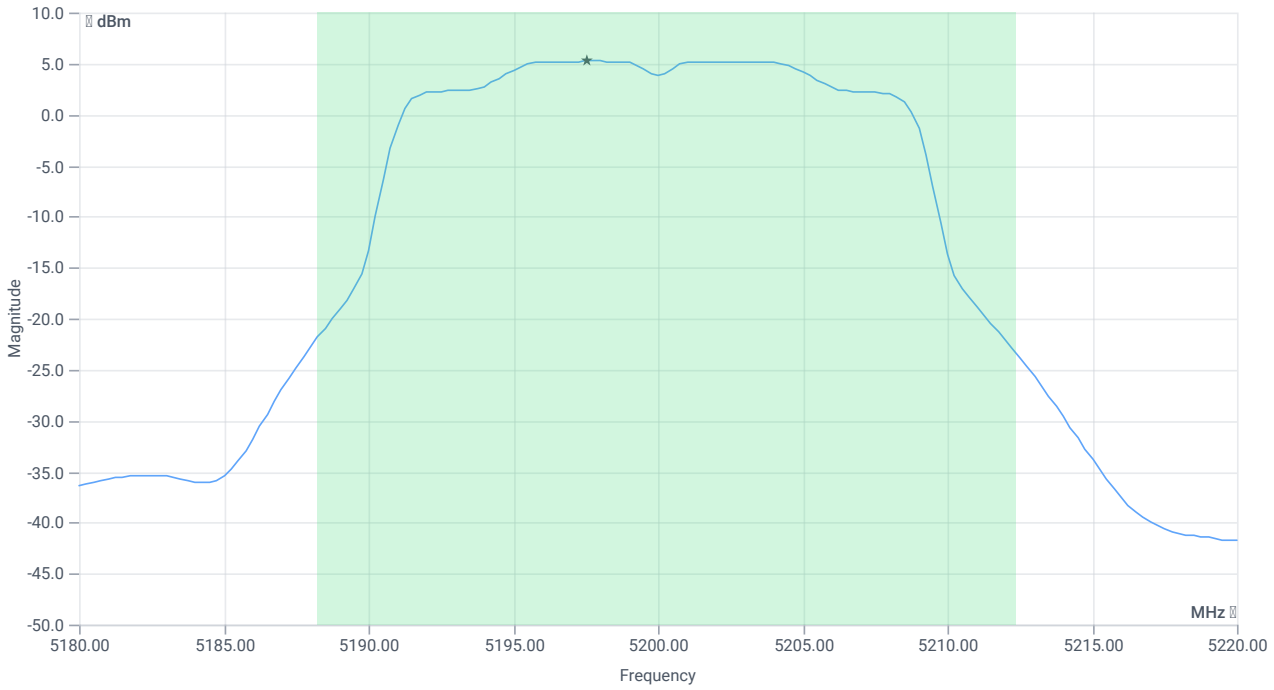
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.12	MHz	INFO
T1 26dB	---	---	5188.2400	MHz	INFO
T2 26dB	---	---	5212.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.66 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.33	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.42	dBm	PASS
LIMIT: 11 dBm + 10 log 24.12					
Max output power DC corrected cond	---	24.82	16.42	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.24	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	5.33	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 17:04:01
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5200 MHz

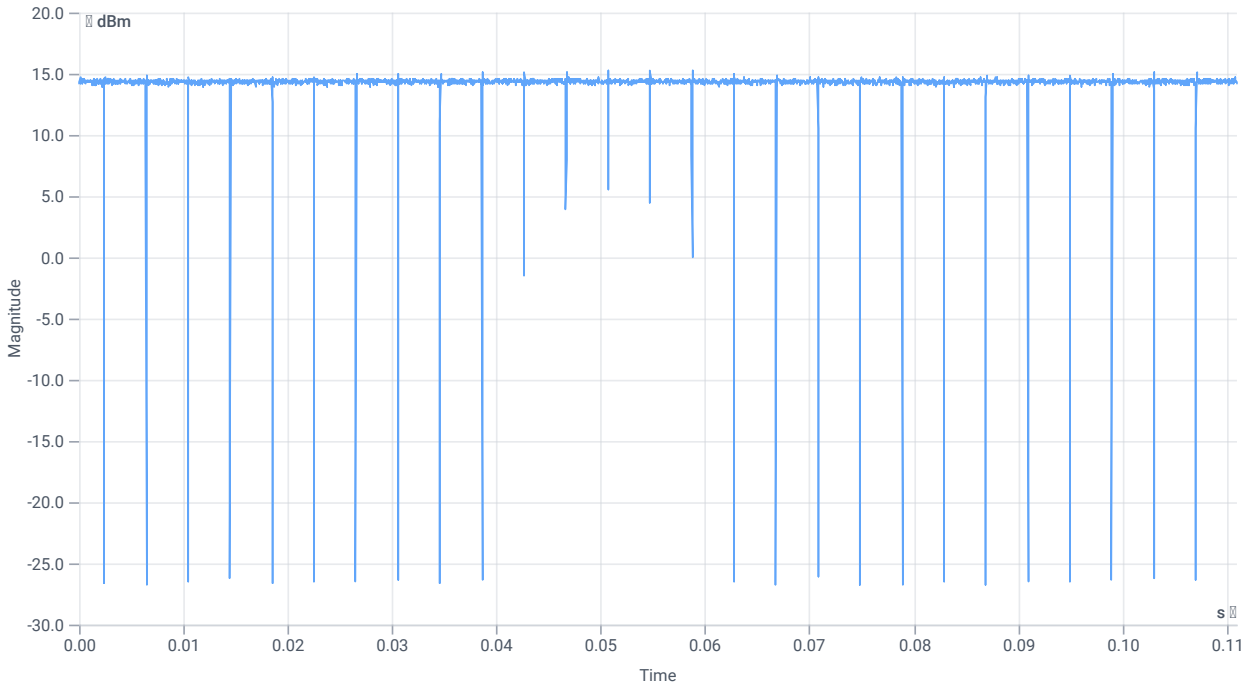
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.09	dBm	INFO
Ref. frequency	---	---	5203.200	MHz	INFO

Evaluation max. duty cycle

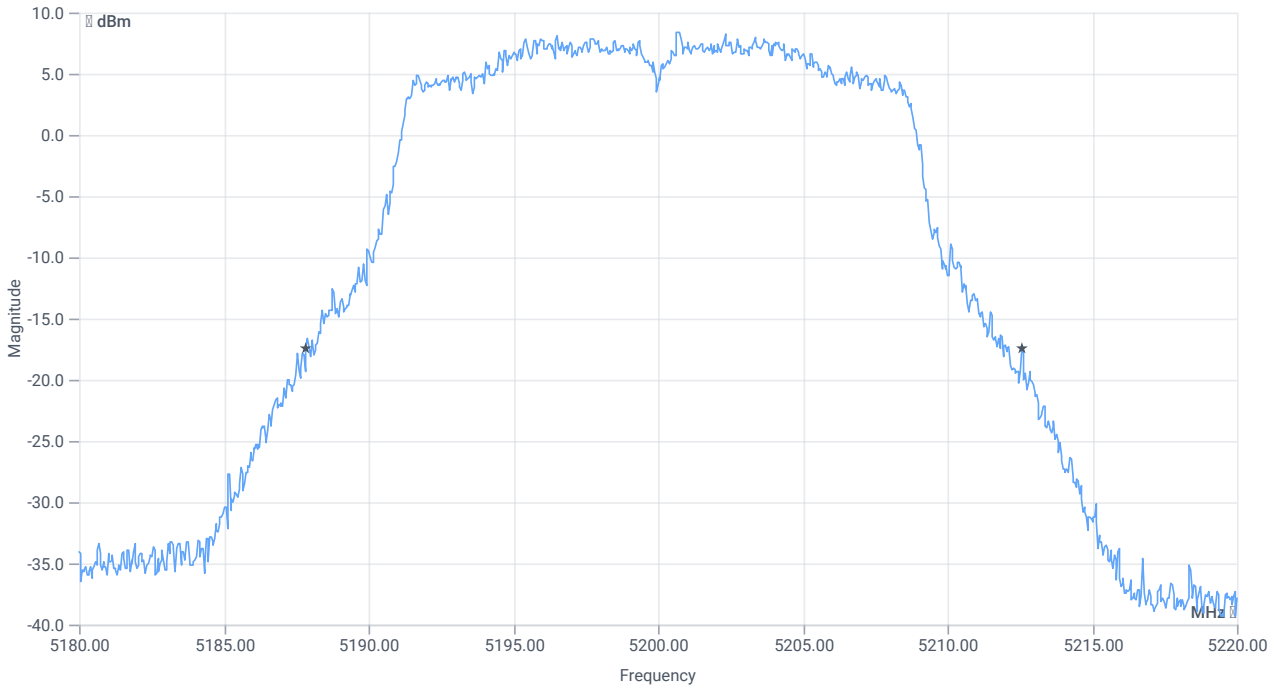
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

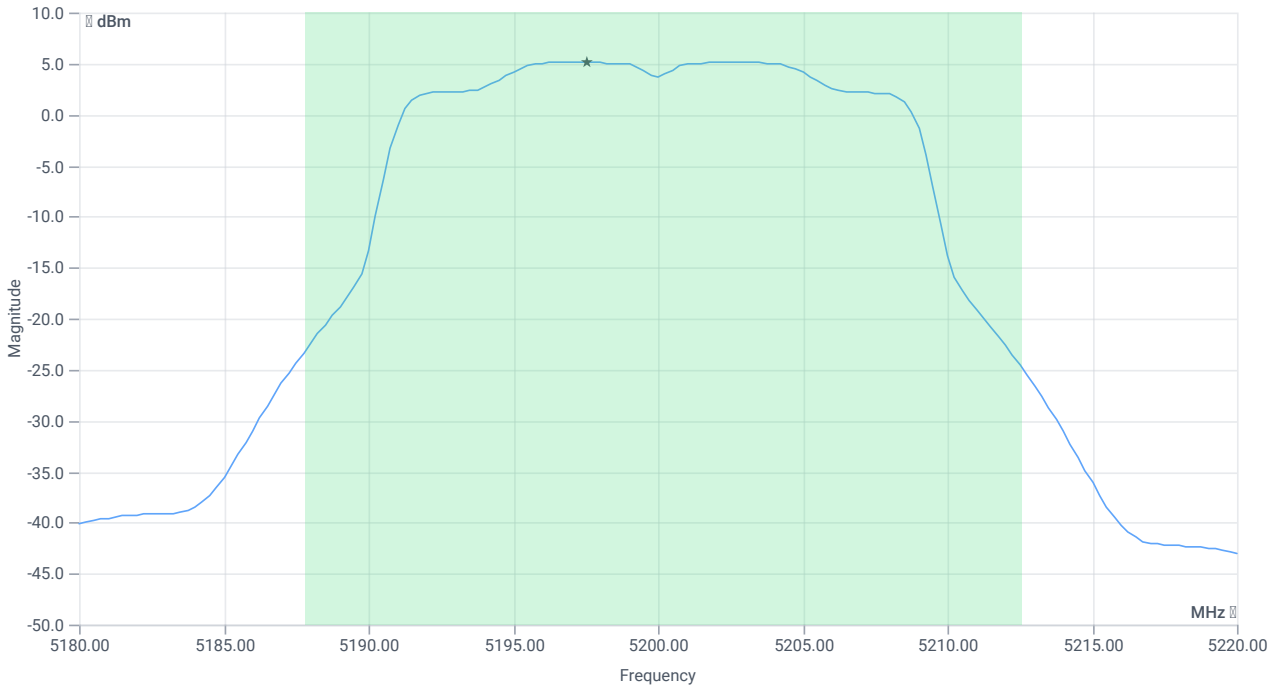
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.72	MHz	INFO
T1 26dB	---	---	5187.8400	MHz	INFO
T2 26dB	---	---	5212.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.09 | 11.57 | 30
Start [MHz] | Stop [MHz]	5180.000 | 5220.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.22	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.31	dBm	PASS
LIMIT: 11 dBm + 10 log 24.72					
Max output power DC corrected cond	---	24.93	16.31	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.1	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	5.19	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 17:05:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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 5240 MHz

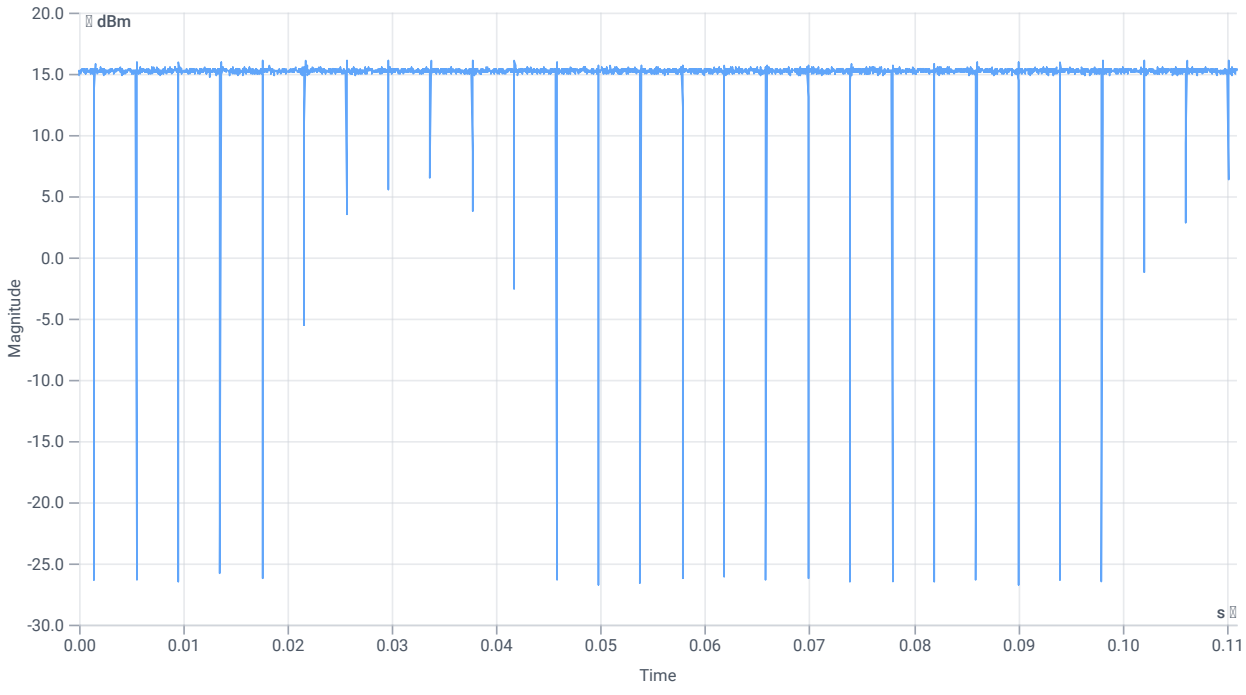
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.86	dBm	INFO
Ref. frequency	---	---	5237.200	MHz	INFO

Evaluation max. duty cycle

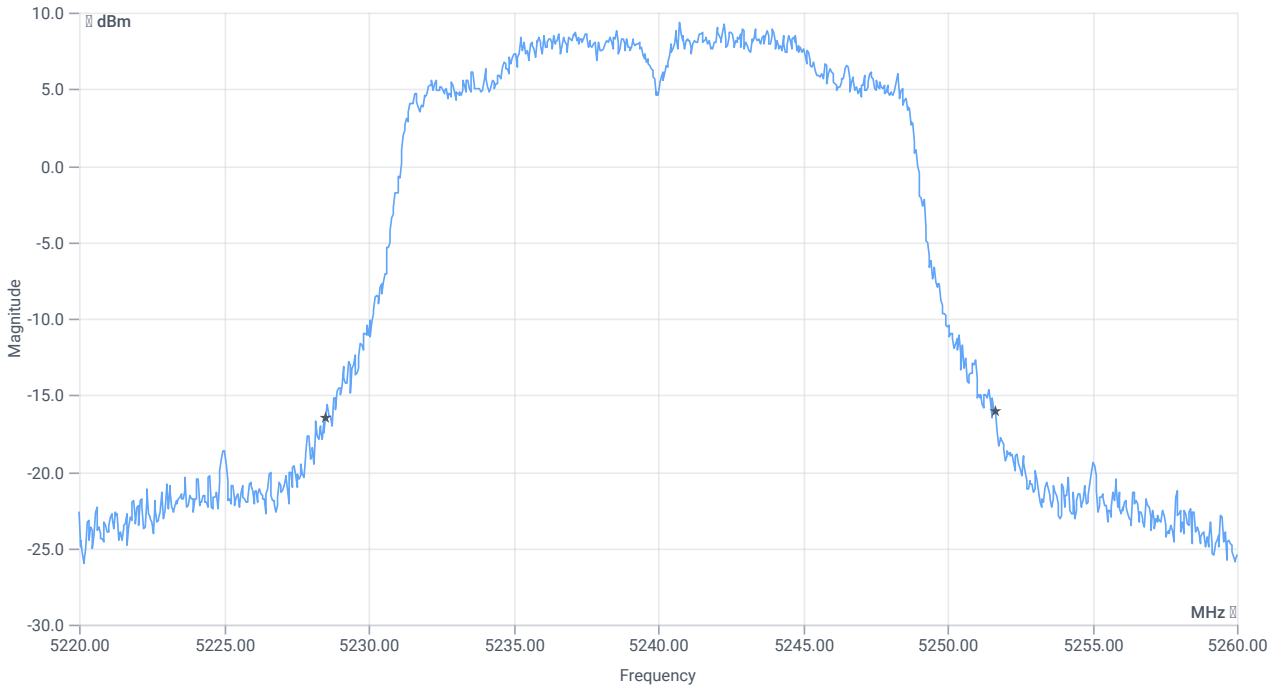
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

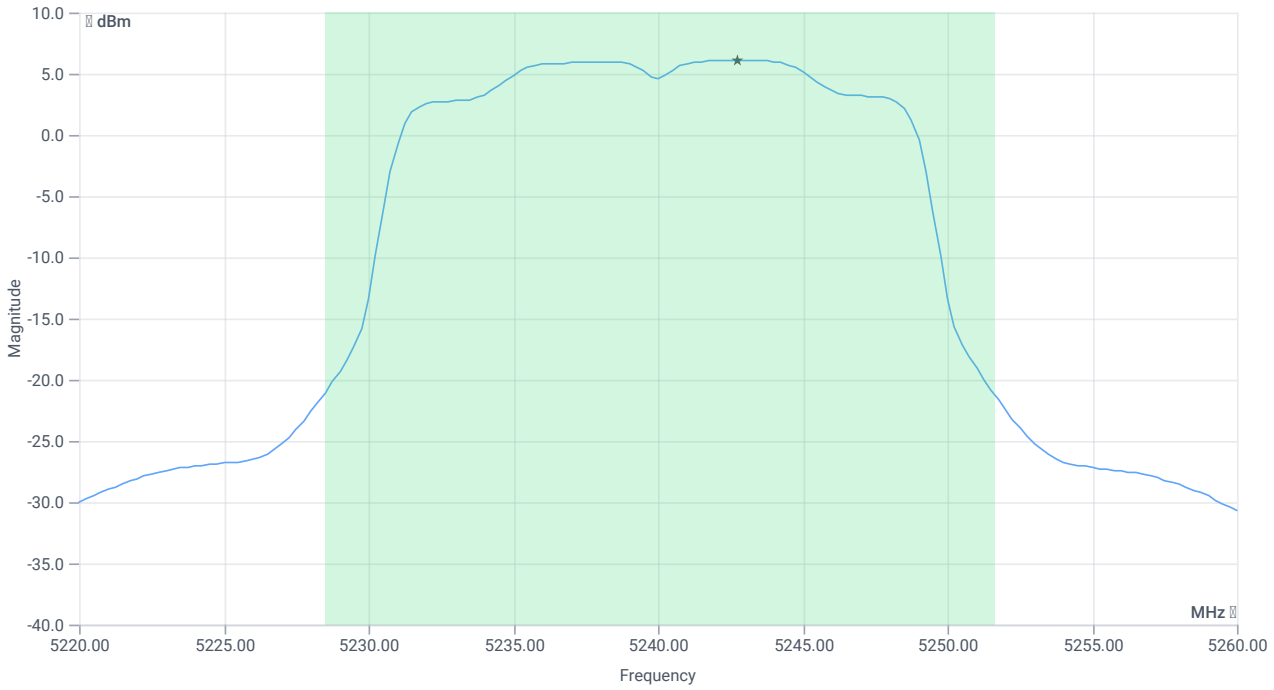
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.16	MHz	INFO
T1 26dB	---	---	5228.5200	MHz	INFO
T2 26dB	---	---	5251.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.86 | 11.37 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.08	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.17	dBm	PASS
LIMIT: 11 dBm + 10 log 23.16					
Max output power DC corrected cond	---	24.65	17.17	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	6.06	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	6.15	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	05.05.2026 17:07:37
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5240 MHz

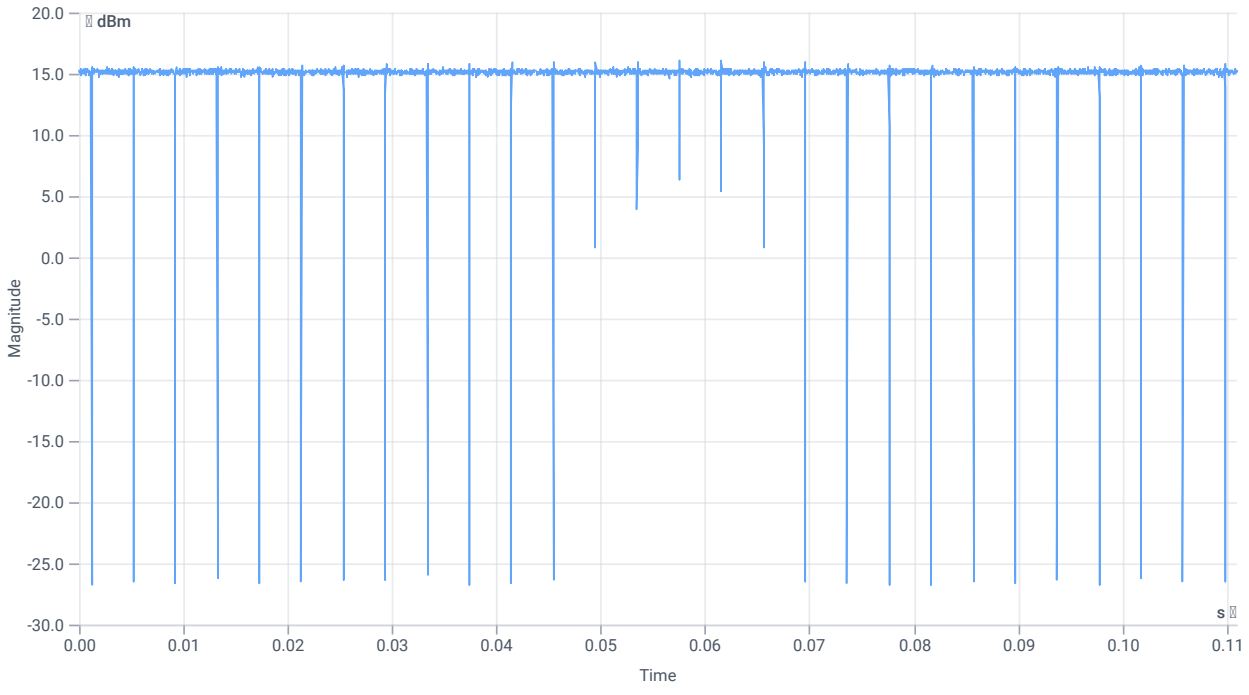
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.95	dBm	INFO
Ref. frequency	---	---	5238.400	MHz	INFO

Evaluation max. duty cycle

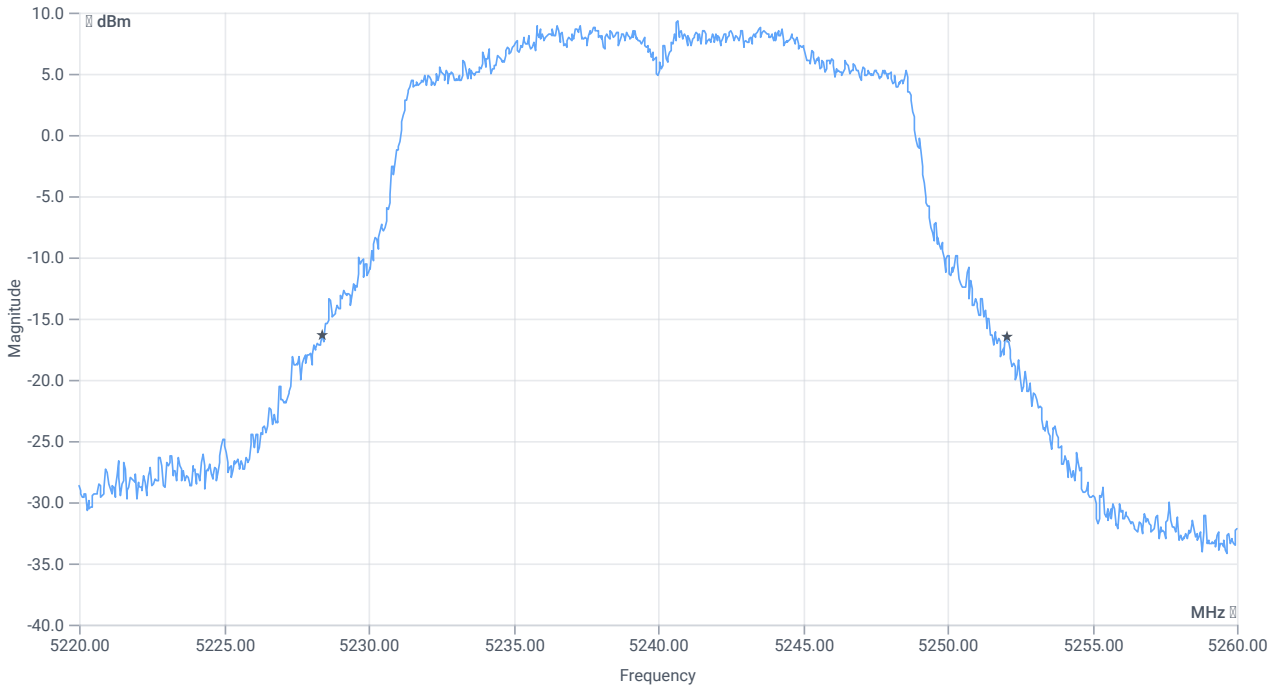
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

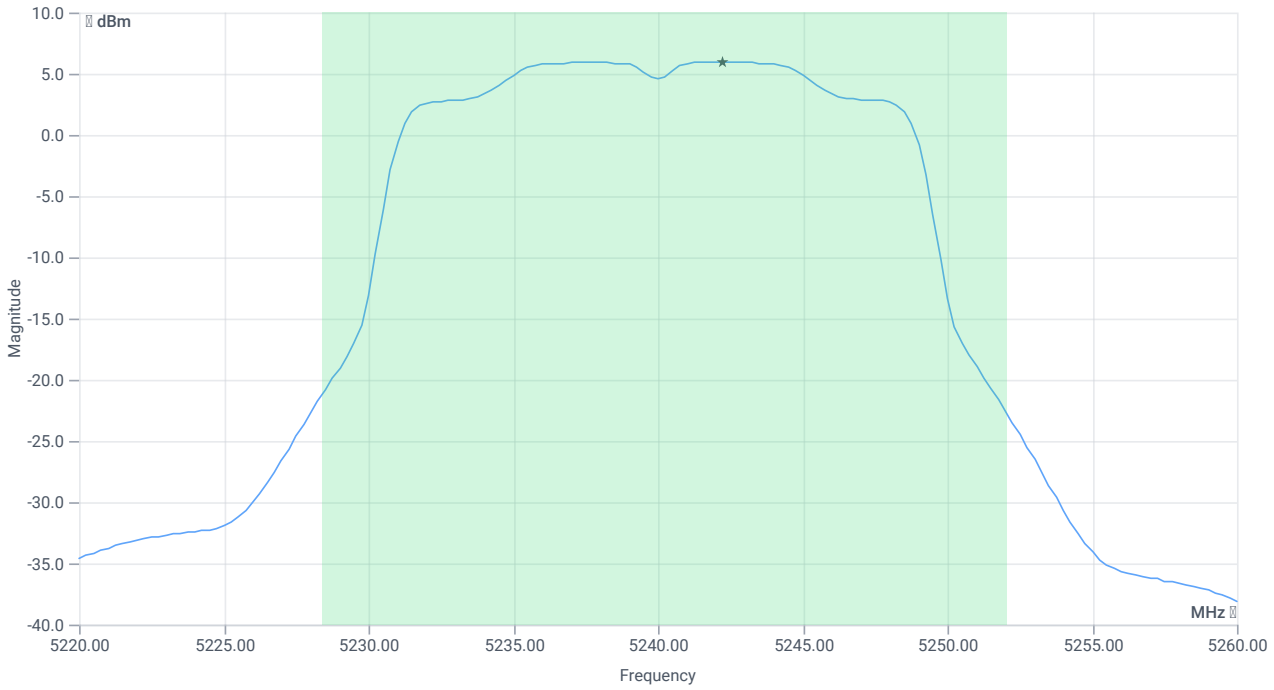
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.64	MHz	INFO
T1 26dB	---	---	5228.4000	MHz	INFO
T2 26dB	---	---	5252.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.95 | 11.34 | 30
Start [MHz] | Stop [MHz]	5220.000 | 5260.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.99	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.08	dBm	PASS
LIMIT: 11 dBm + 10 log 23.64					
Max output power DC corrected cond	---	24.74	17.08	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.92	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	6.01	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:13:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5745 MHz

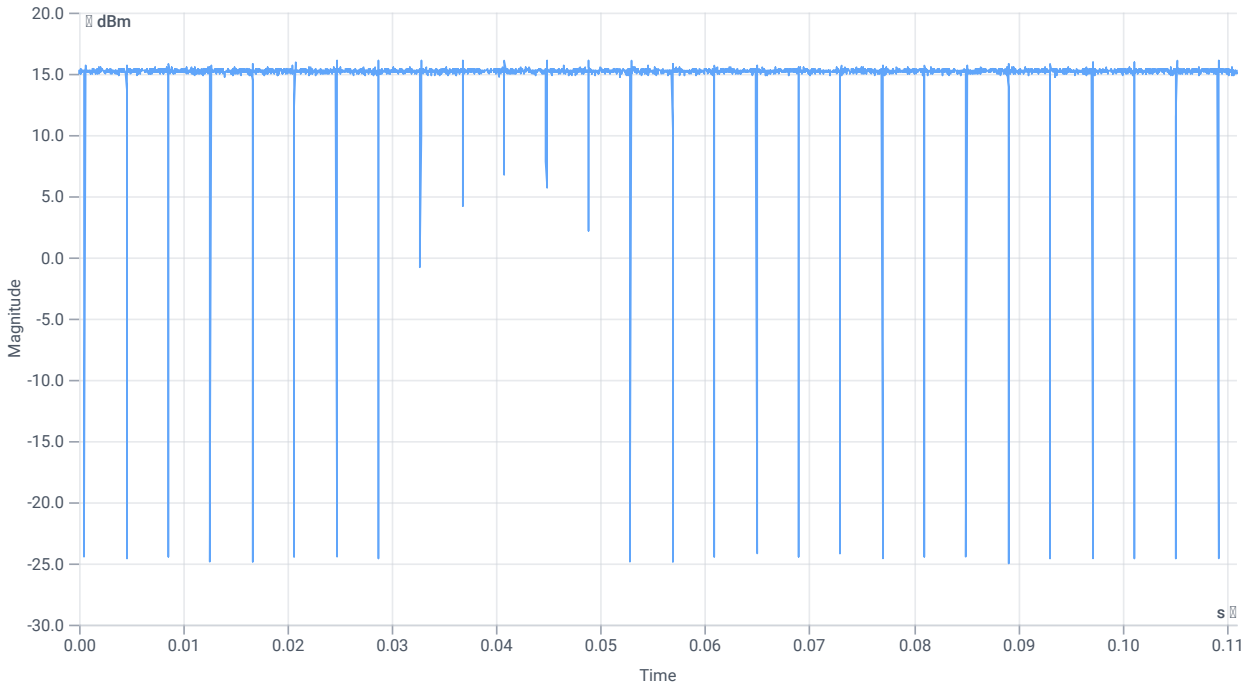
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.81	dBm	INFO
Ref. frequency	---	---	5746.400	MHz	INFO

Evaluation max. duty cycle

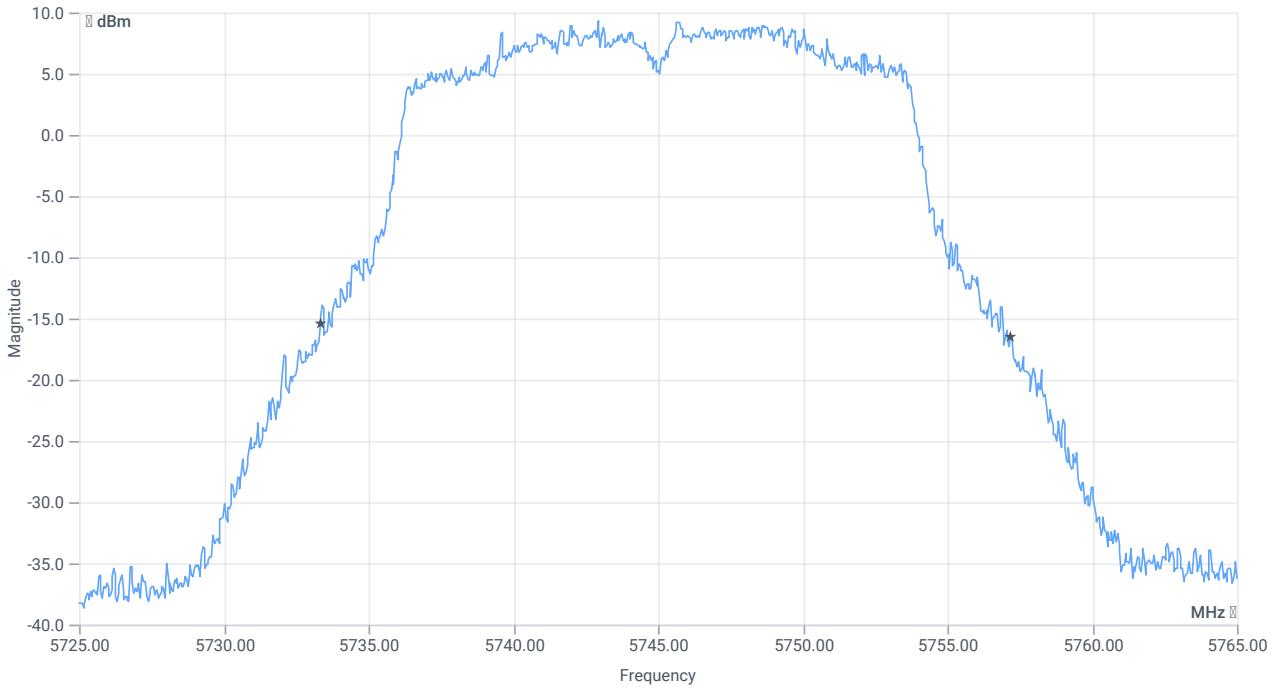
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

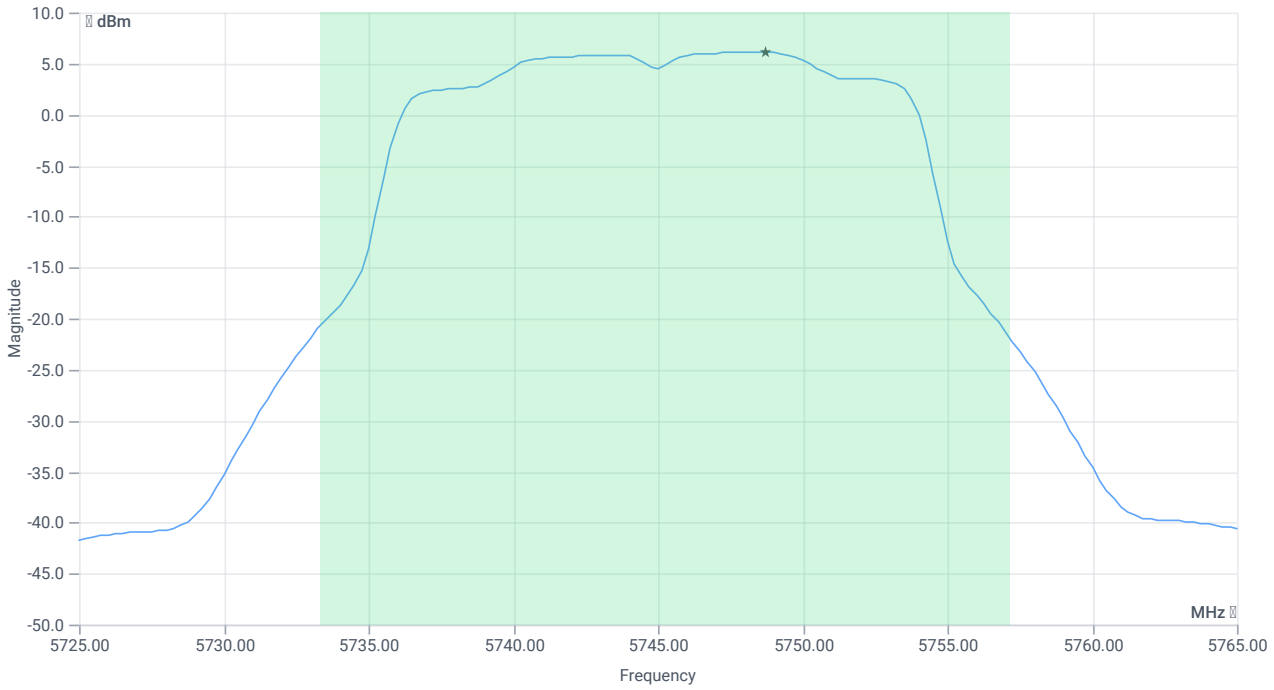
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5733.3200	MHz	INFO
T2 26dB	---	---	5757.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.81 | 11.39 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

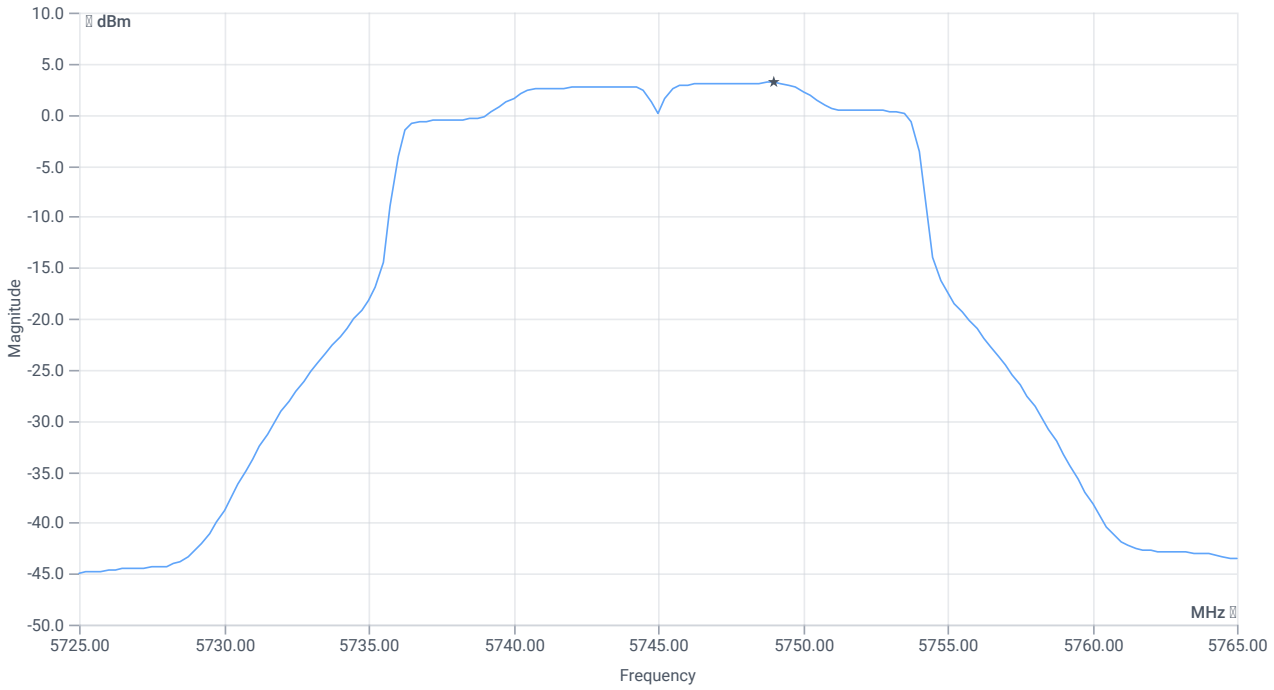
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.03	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.12	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	17.12	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.81 | 11.39 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.13	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.22	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:16:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5745 MHz

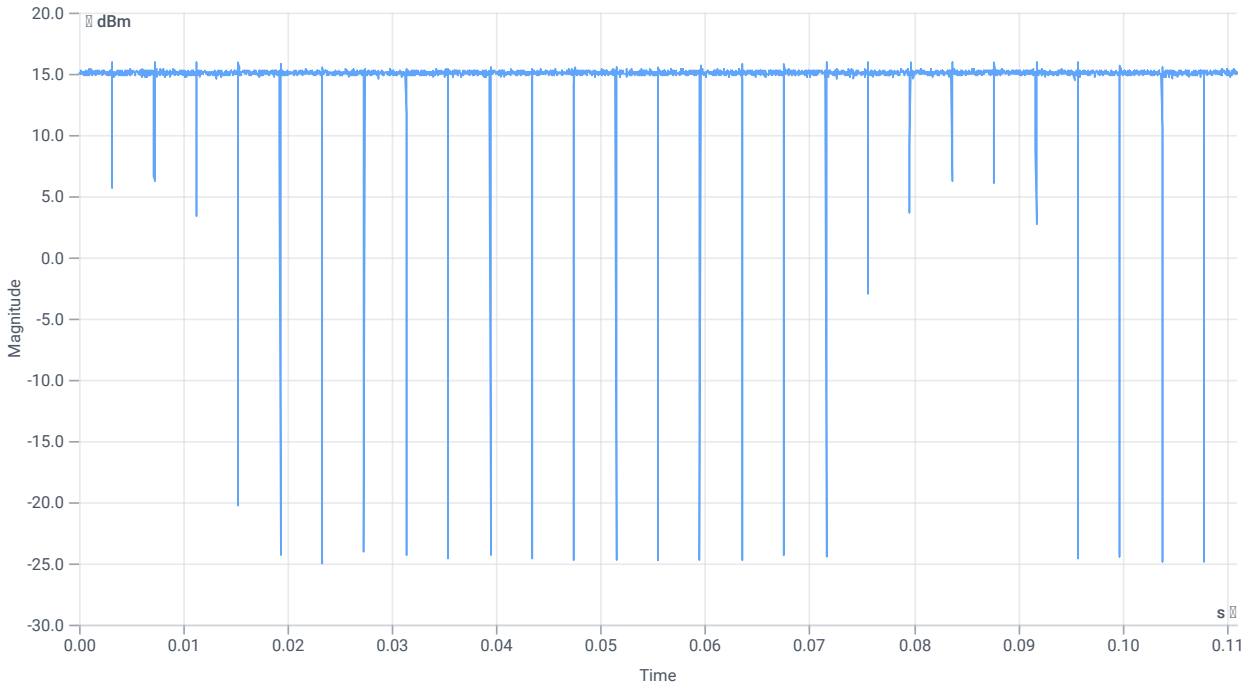
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.47	dBm	INFO
Ref. frequency	---	---	5743.000	MHz	INFO

Evaluation max. duty cycle

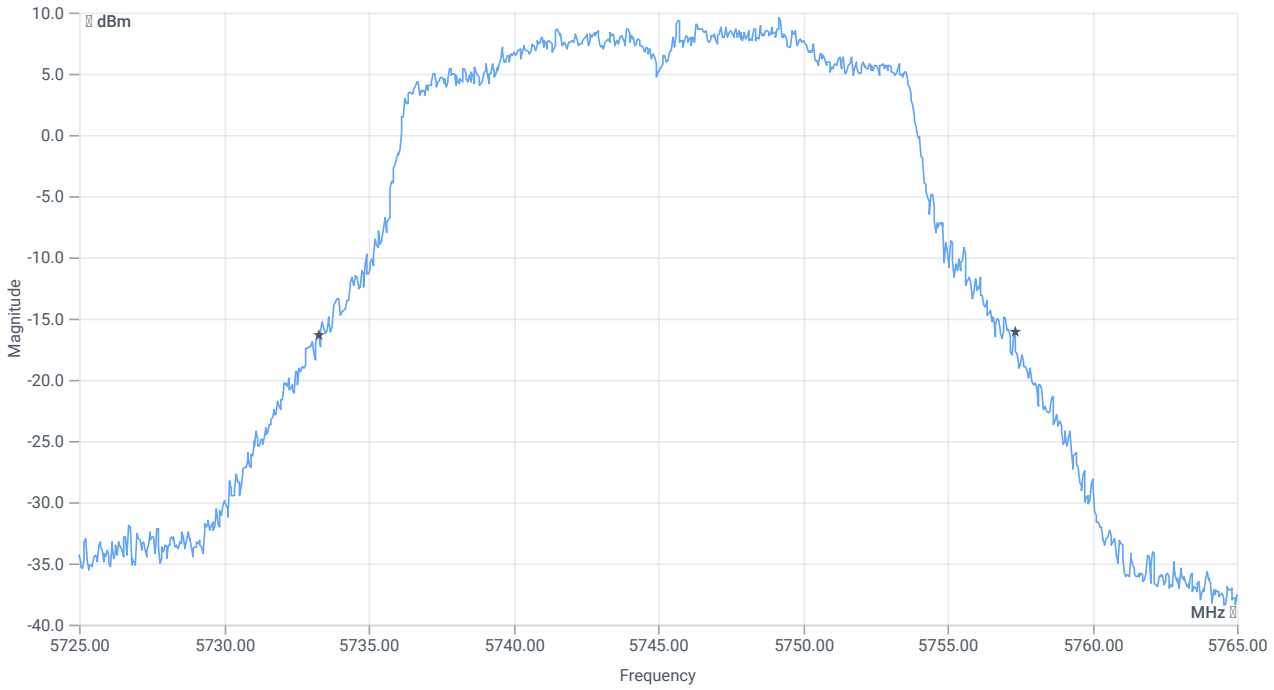
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 23					
Duty cycle (burst Ratio) max	---	---	0.993	---	INFO
Duty cycle max	---	---	0.031	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	12.016	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

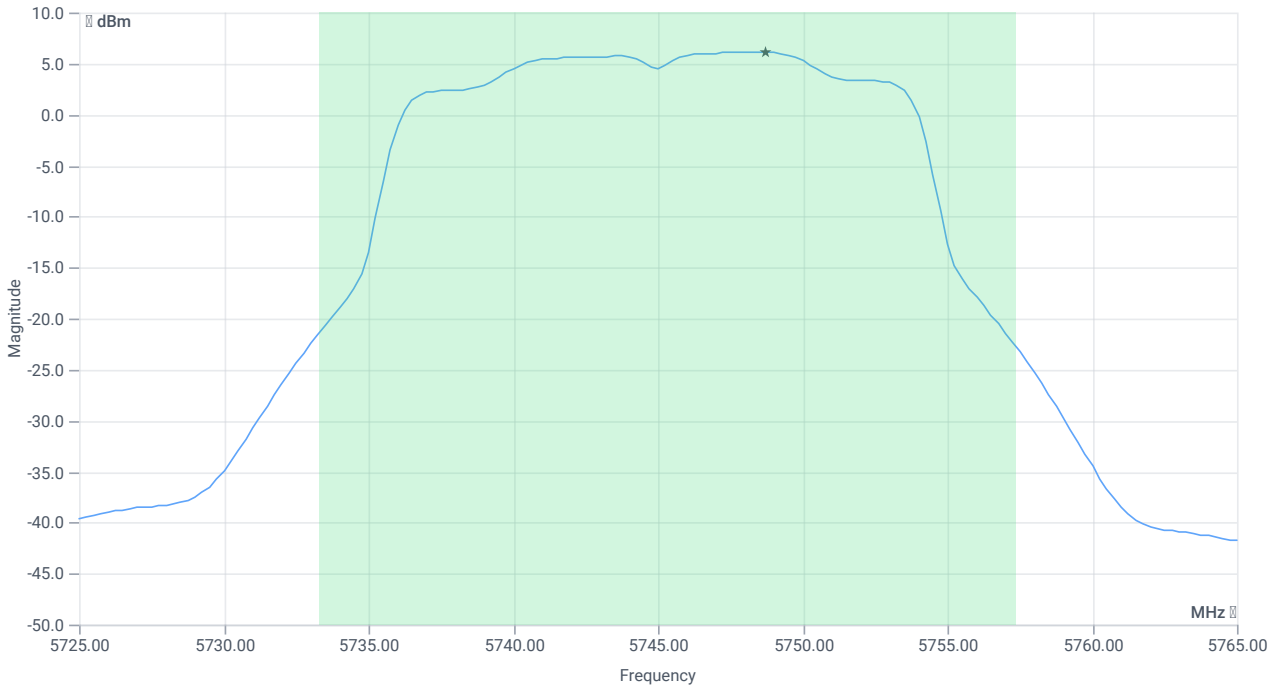
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.04	MHz	INFO
T1 26dB	---	---	5733.2800	MHz	INFO
T2 26dB	---	---	5757.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.47 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

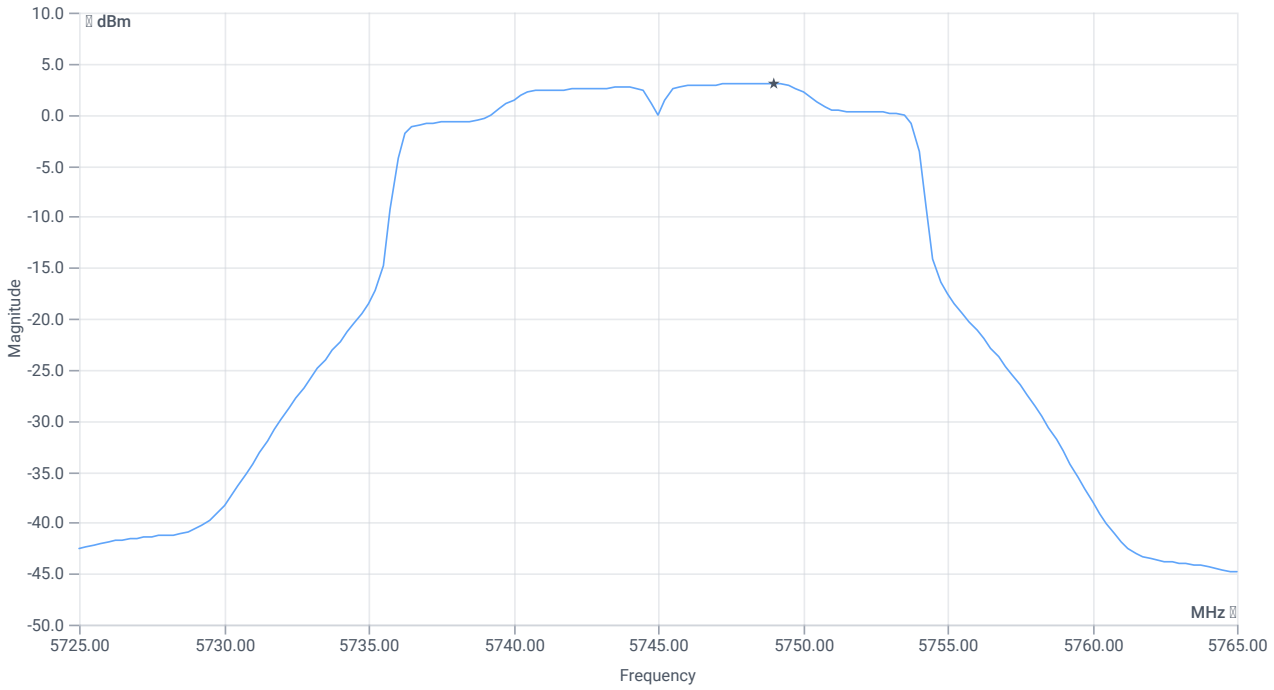
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.96	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.05	dBm	PASS
LIMIT: 11 dBm + 10 log 24.04					
Max output power DC corrected cond	---	24.81	17.05	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.47 | 11.44 | 30
Start [MHz] | Stop [MHz]	5725.000 | 5765.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.06	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.15	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:19:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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 5785 MHz

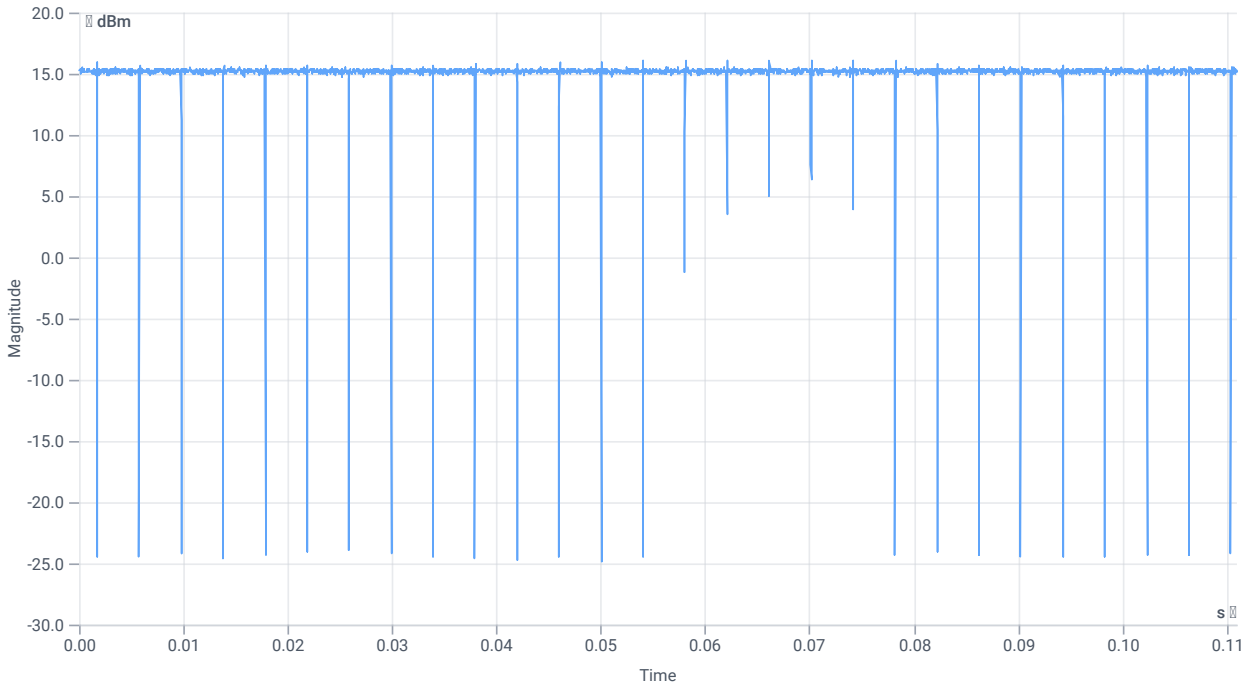
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.05	dBm	INFO
Ref. frequency	---	---	5783.200	MHz	INFO

Evaluation max. duty cycle

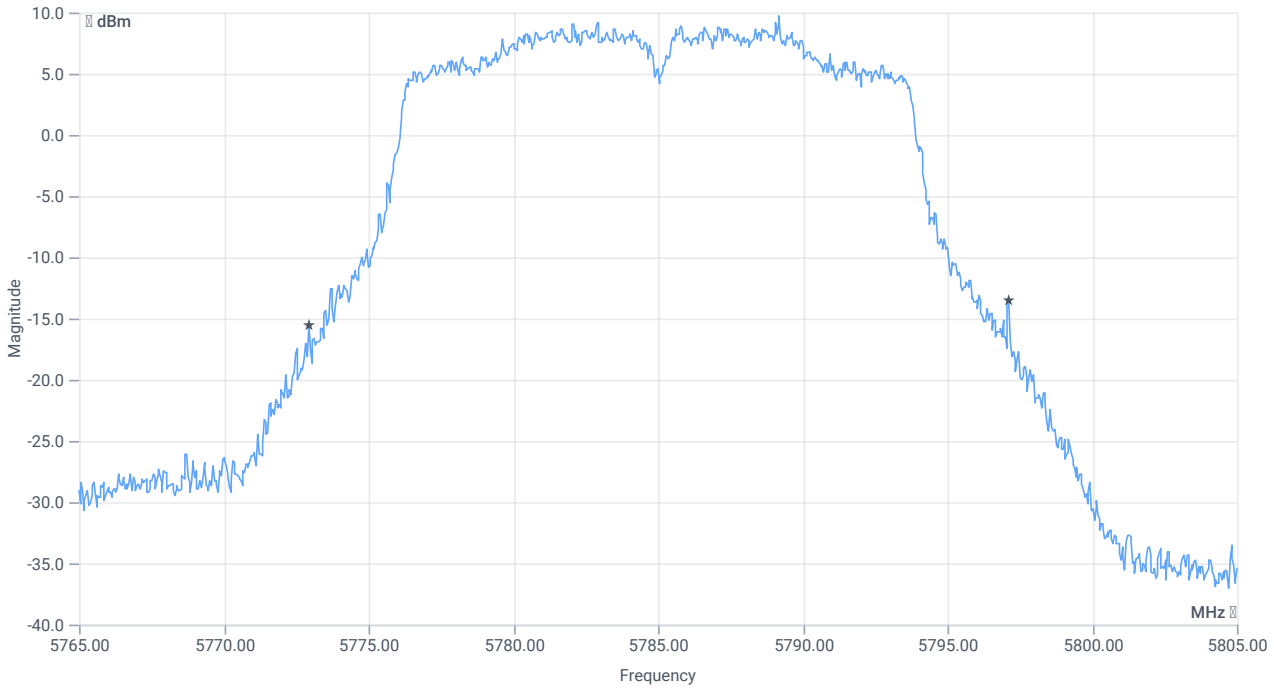
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 26					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

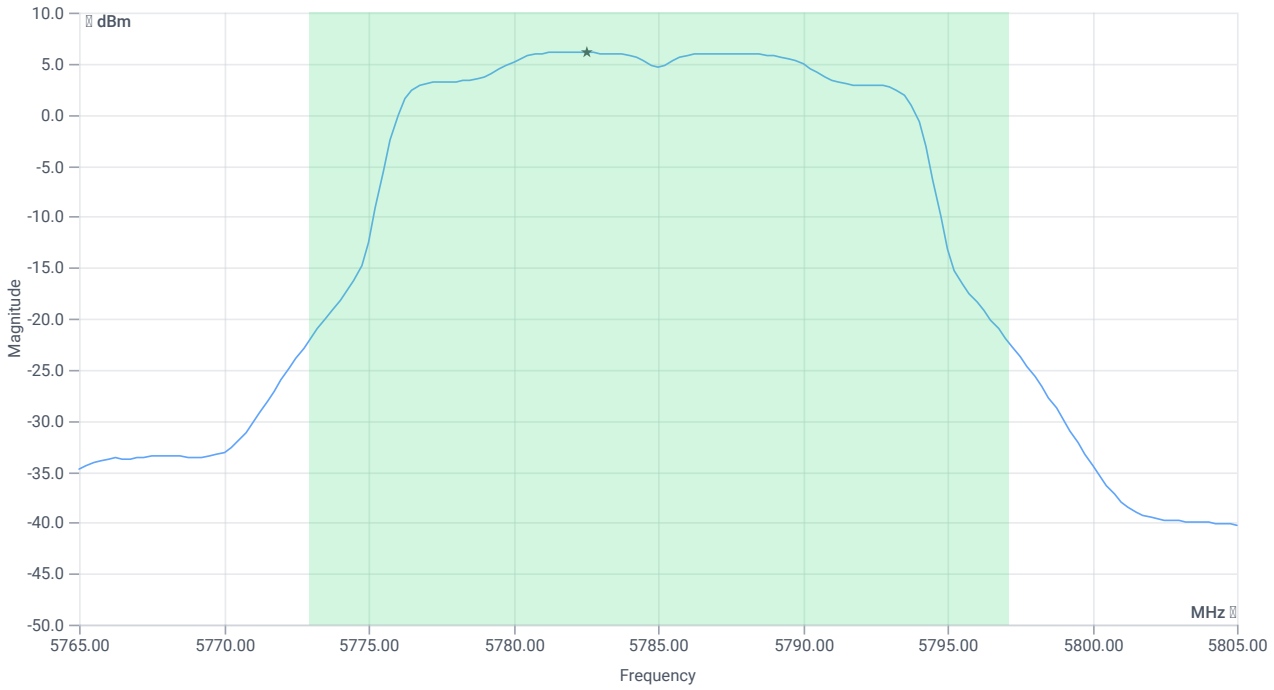
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.2	MHz	INFO
T1 26dB	---	---	5772.9200	MHz	INFO
T2 26dB	---	---	5797.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.05 | 11.37 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

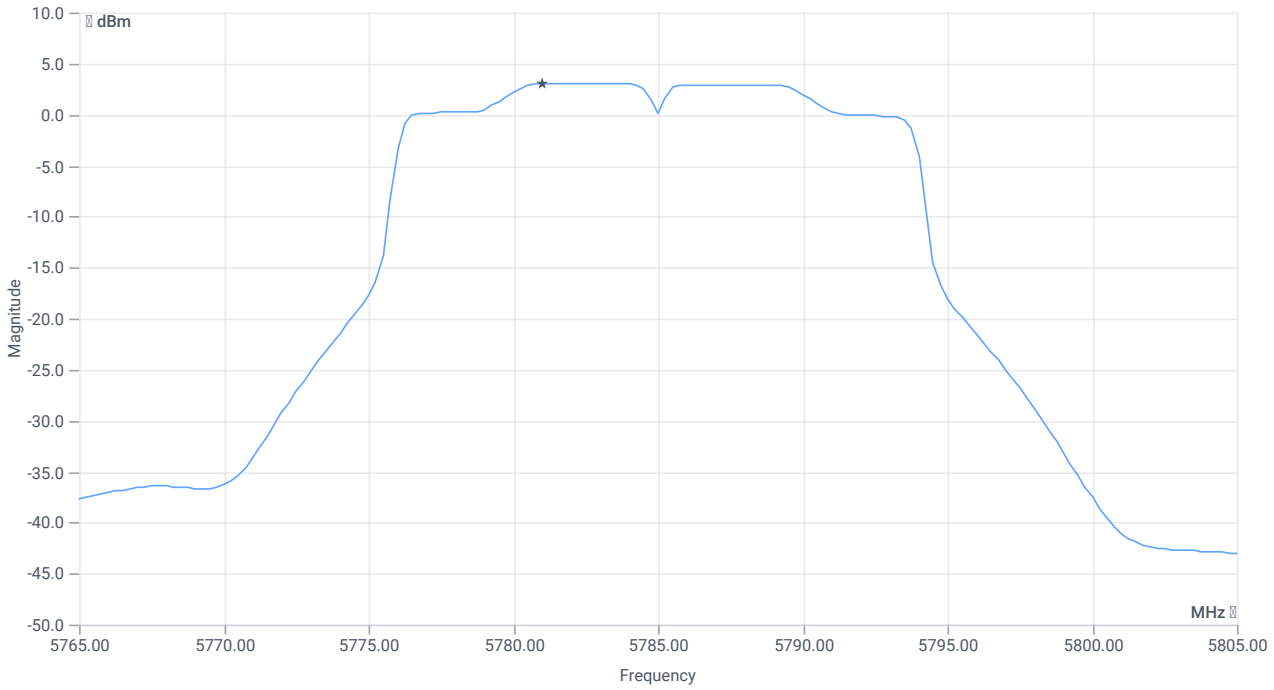
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.11	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.2	dBm	PASS
LIMIT: 11 dBm + 10 log 24.2					
Max output power DC corrected cond	---	24.84	17.2	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.05 | 11.37 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.06	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.15	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:22:37
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5785 MHz

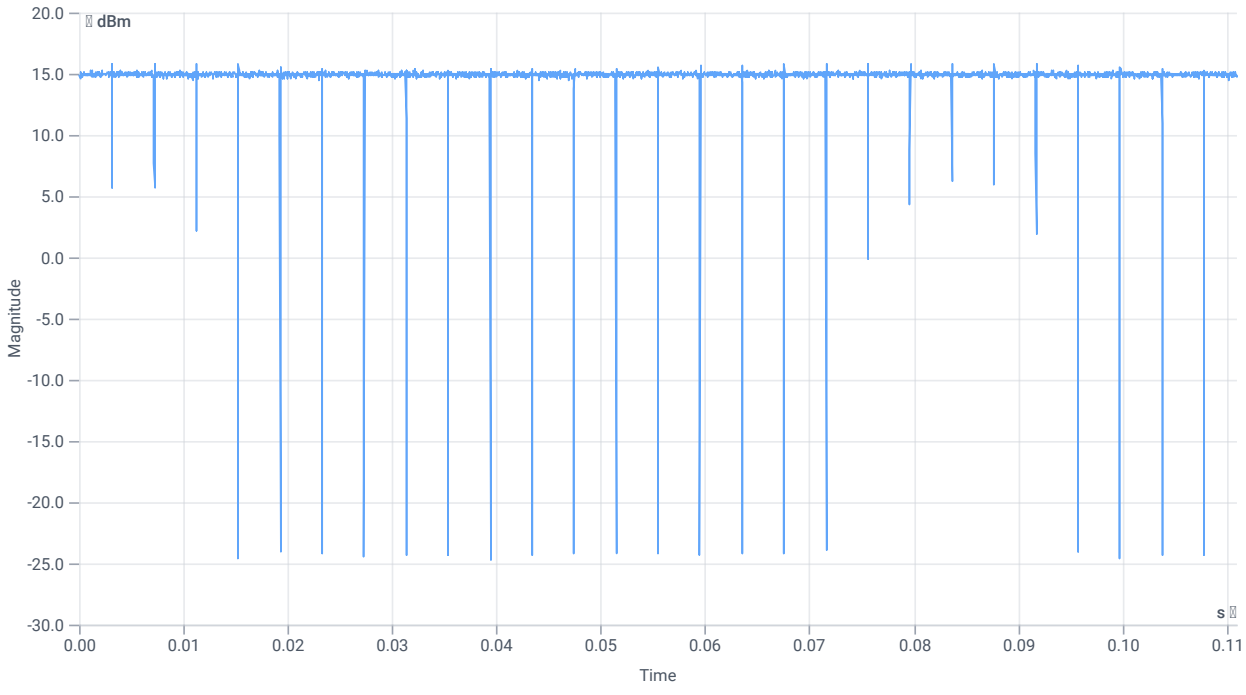
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.01	dBm	INFO
Ref. frequency	---	---	5787.800	MHz	INFO

Evaluation max. duty cycle

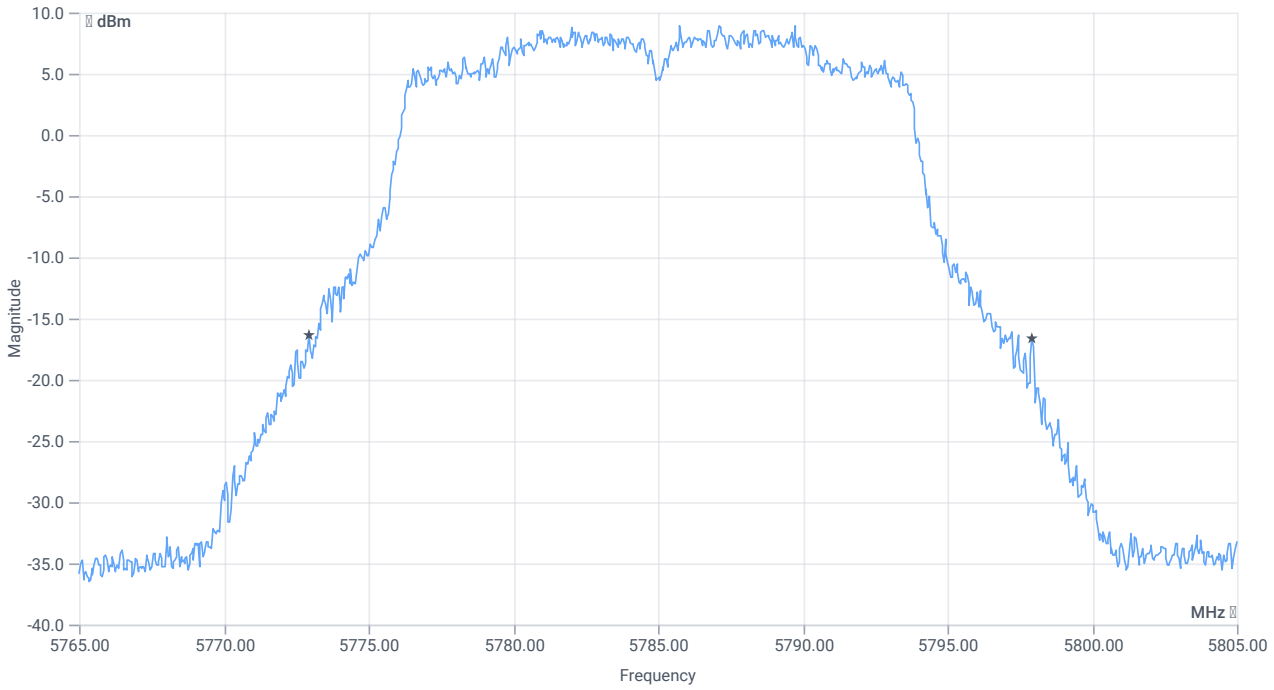
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 24					
Duty cycle (burst Ratio) max	---	---	0.993	---	INFO
Duty cycle max	---	---	0.031	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	12.016	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

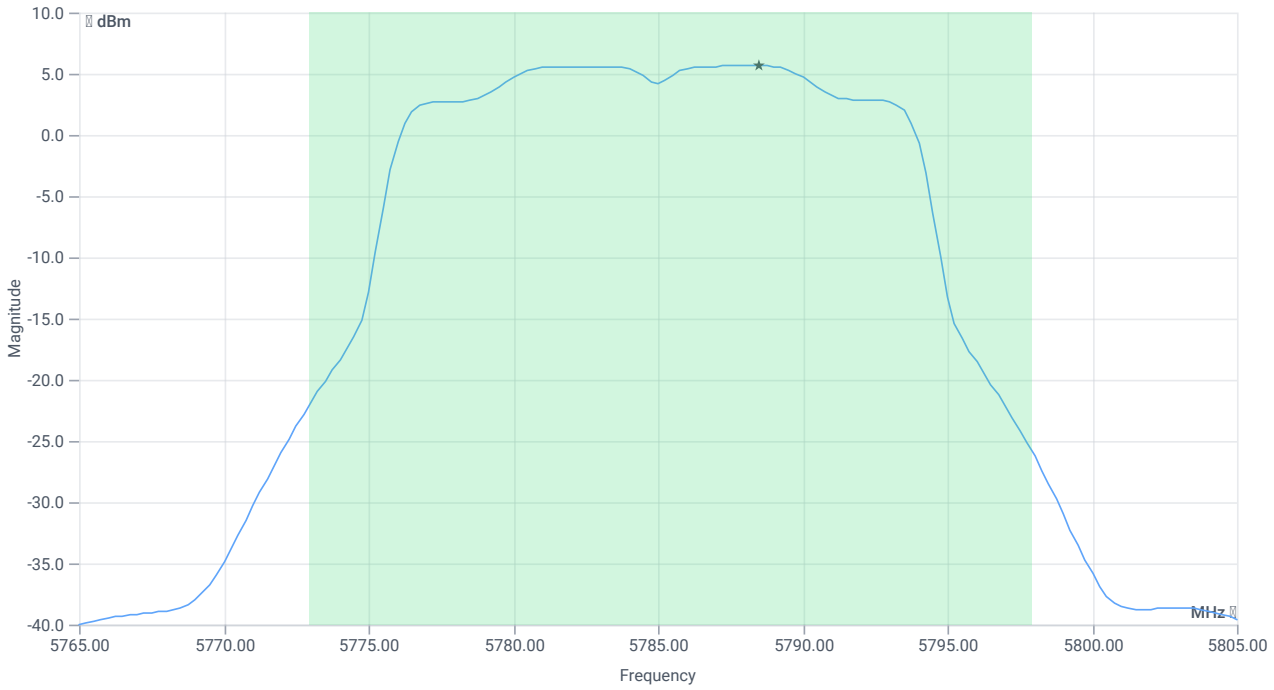
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	25	MHz	INFO
T1 26dB	---	---	5772.9200	MHz	INFO
T2 26dB	---	---	5797.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.01 | 11.4 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

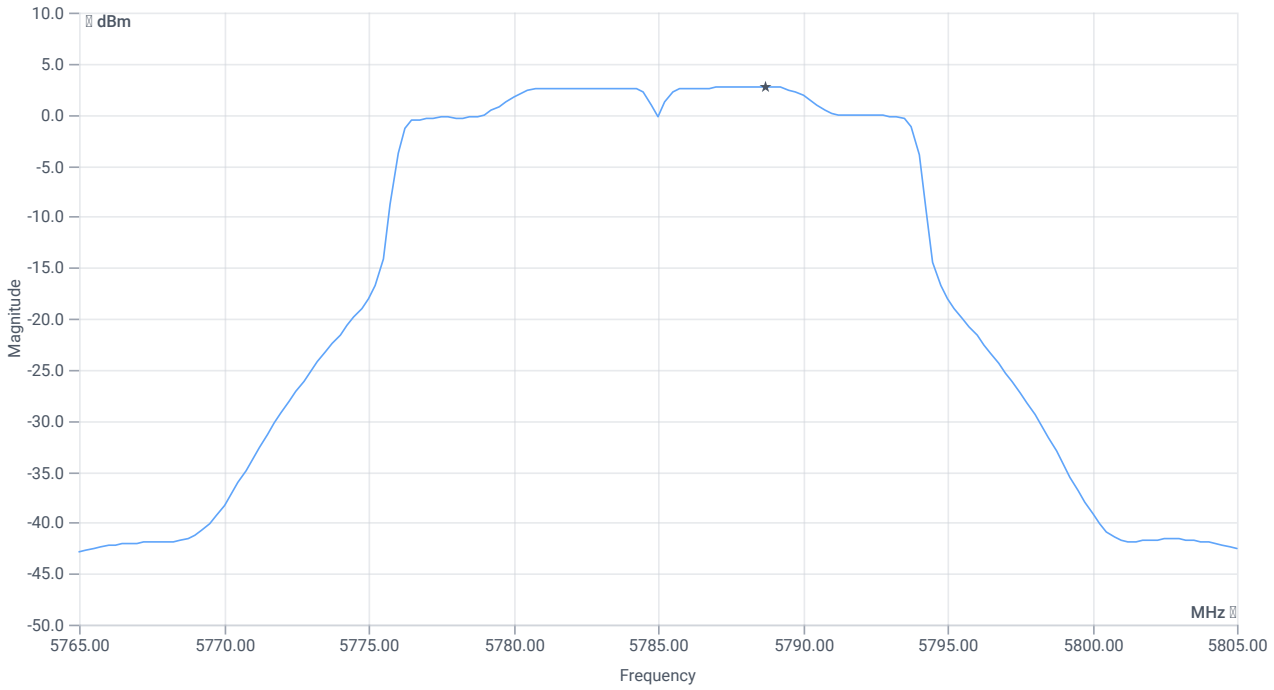
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.76	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	16.85	dBm	PASS
LIMIT: 11 dBm + 10 log 25					
Max output power DC corrected cond	---	24.98	16.85	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.01 | 11.4 | 30
Start [MHz] | Stop [MHz]	5765.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.68	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	2.77	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:46:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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 5825 MHz

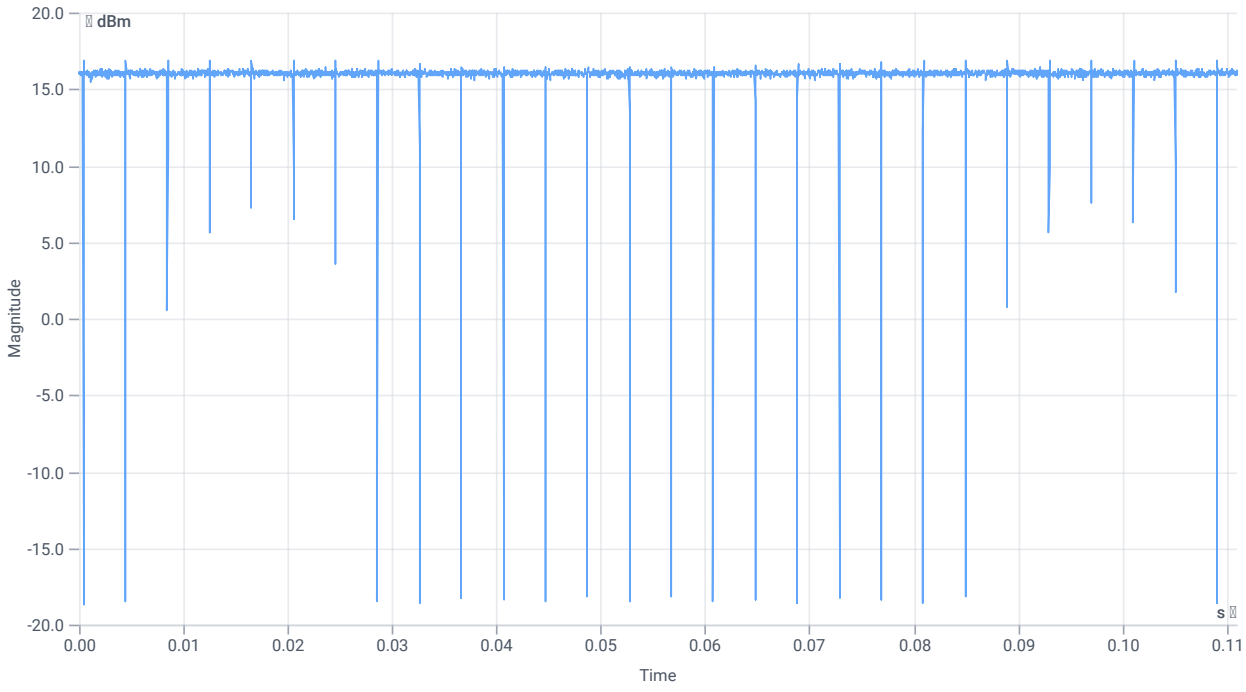
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.16	dBm	INFO
Ref. frequency	---	---	5827.400	MHz	INFO

Evaluation max. duty cycle

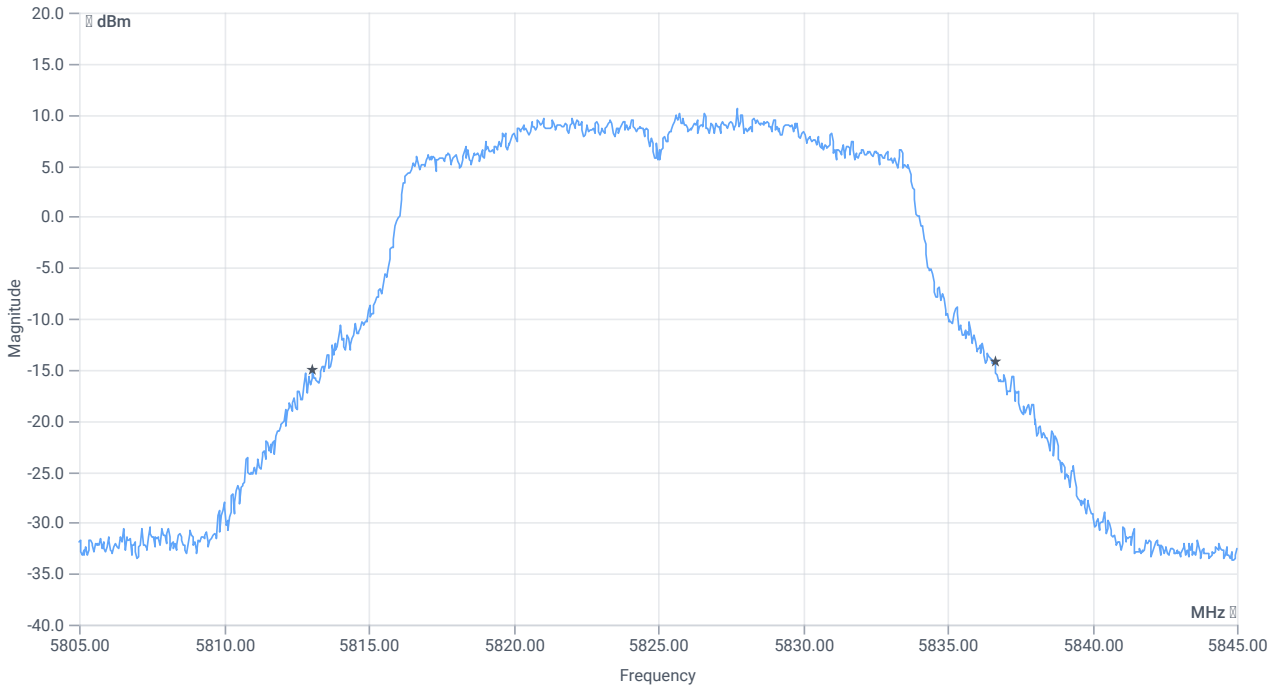
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	INFO
Duty cycle max	---	---	0.044	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	7.992	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

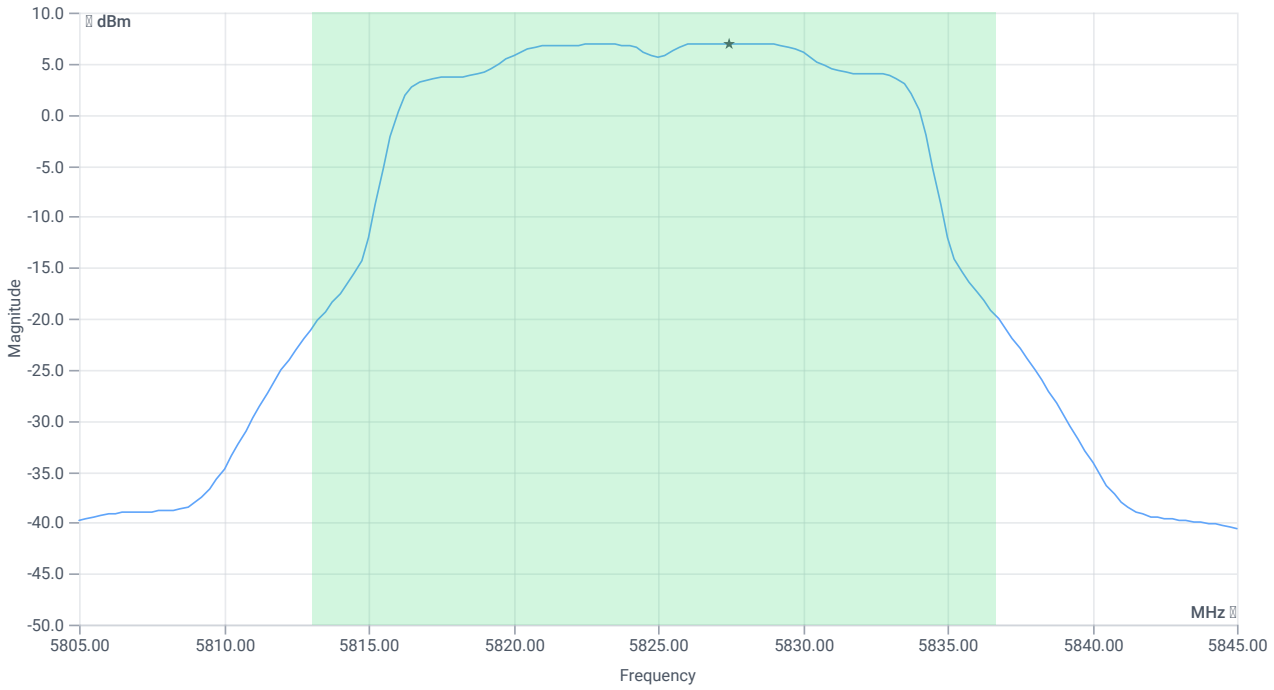
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.56	MHz	INFO
T1 26dB	---	---	5813.0800	MHz	INFO
T2 26dB	---	---	5836.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.16 | 11.42 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

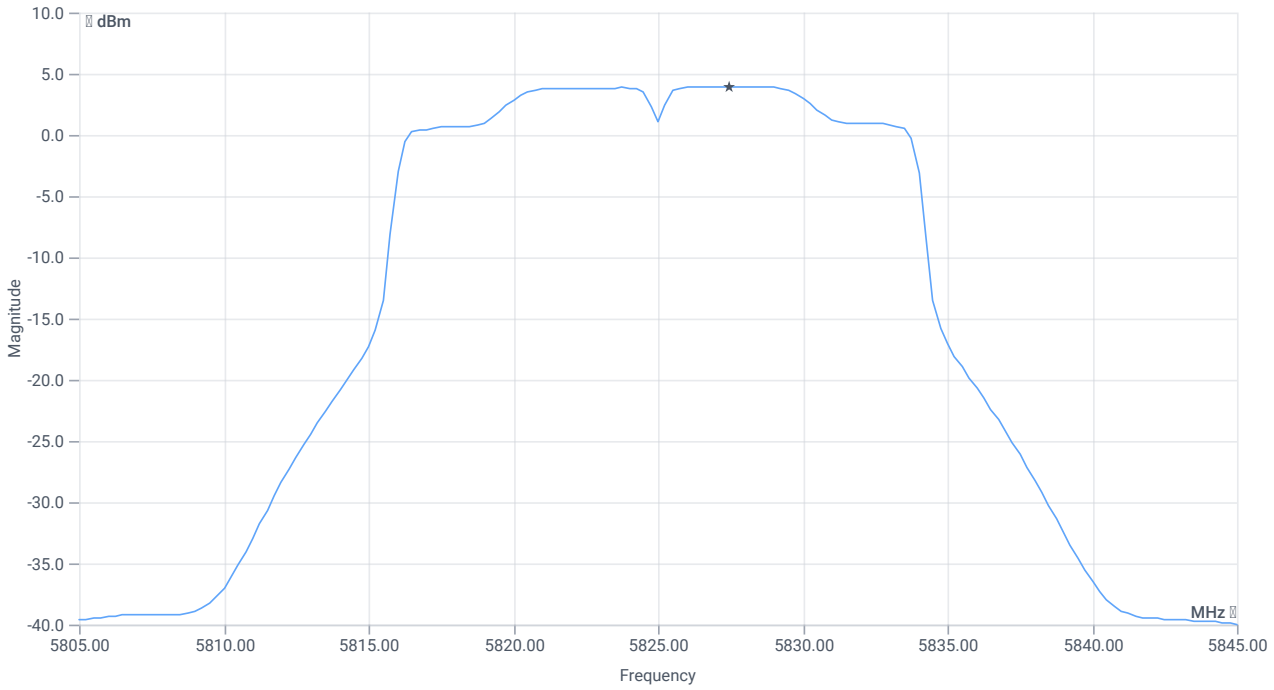
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.99	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	18.08	dBm	PASS
LIMIT: 11 dBm + 10 log 23.56					
Max output power DC corrected cond	---	24.72	18.08	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.16 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.95	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	4.04	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	07.05.2026 14:50:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	True | Freq [MHz] 5825
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5825 MHz

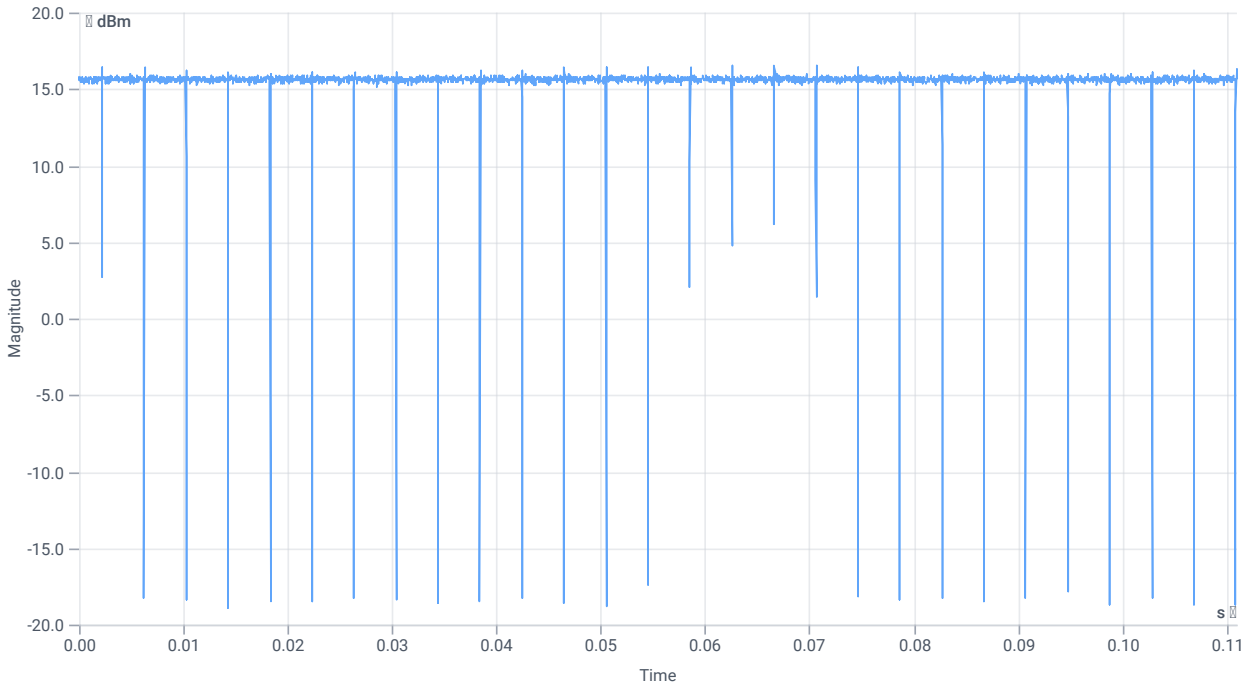
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.59	dBm	INFO
Ref. frequency	---	---	5826.800	MHz	INFO

Evaluation max. duty cycle

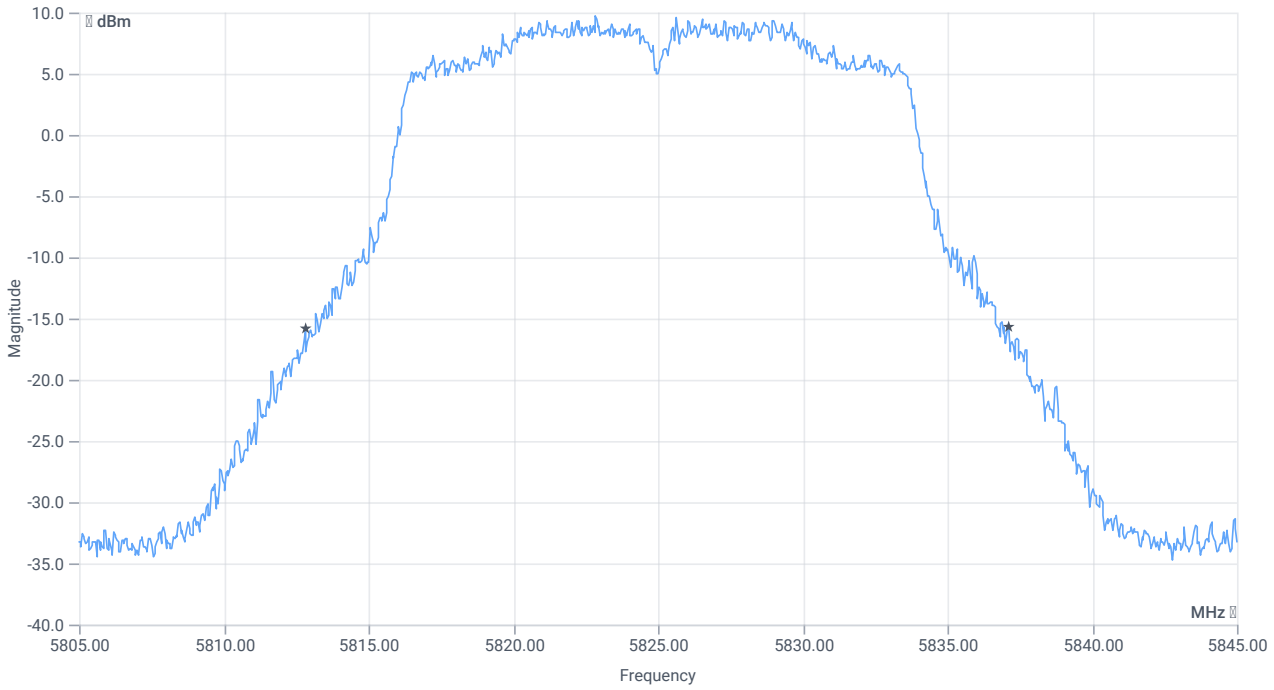
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 27					
Duty cycle (burst Ratio) max	---	---	0.979	---	INFO
Duty cycle max	---	---	0.092	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.979	---	INFO
Duty cycle min	---	---	0.092	dB	INFO
Max TX burst length	---	---	3.968	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

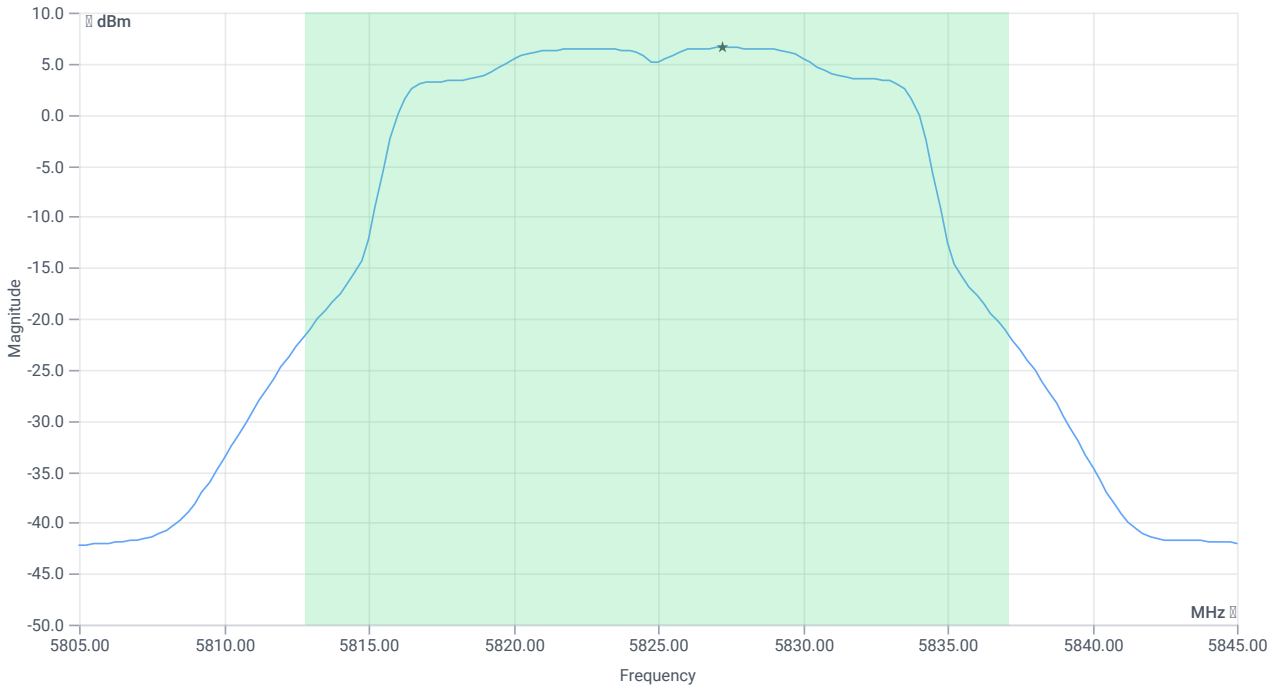
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.32	MHz	INFO
T1 26dB	---	---	5812.8000	MHz	INFO
T2 26dB	---	---	5837.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.59 | 11.42 | 30
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

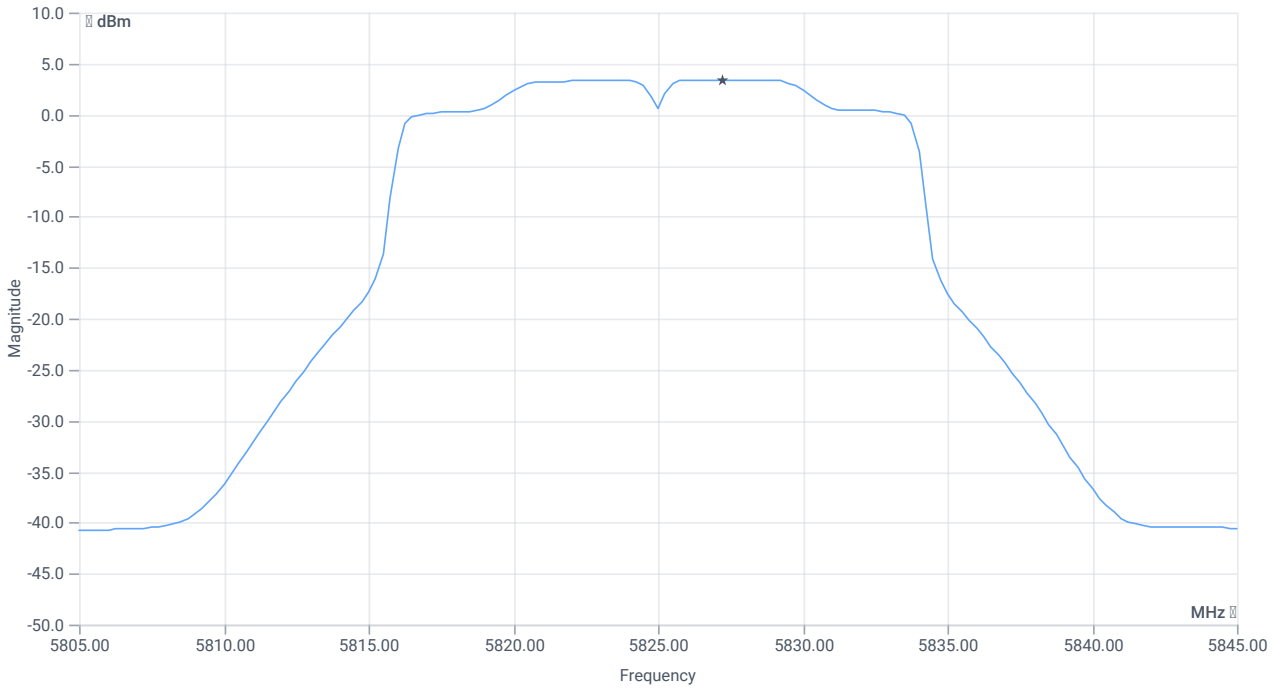
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.56	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.65	dBm	PASS
LIMIT: 11 dBm + 10 log 24.32					
Max output power DC corrected cond	---	24.86	17.65	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.59 | 11.42 | 35
Start [MHz] | Stop [MHz]	5805.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.39	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	3.48	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:33:51
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5260 MHz

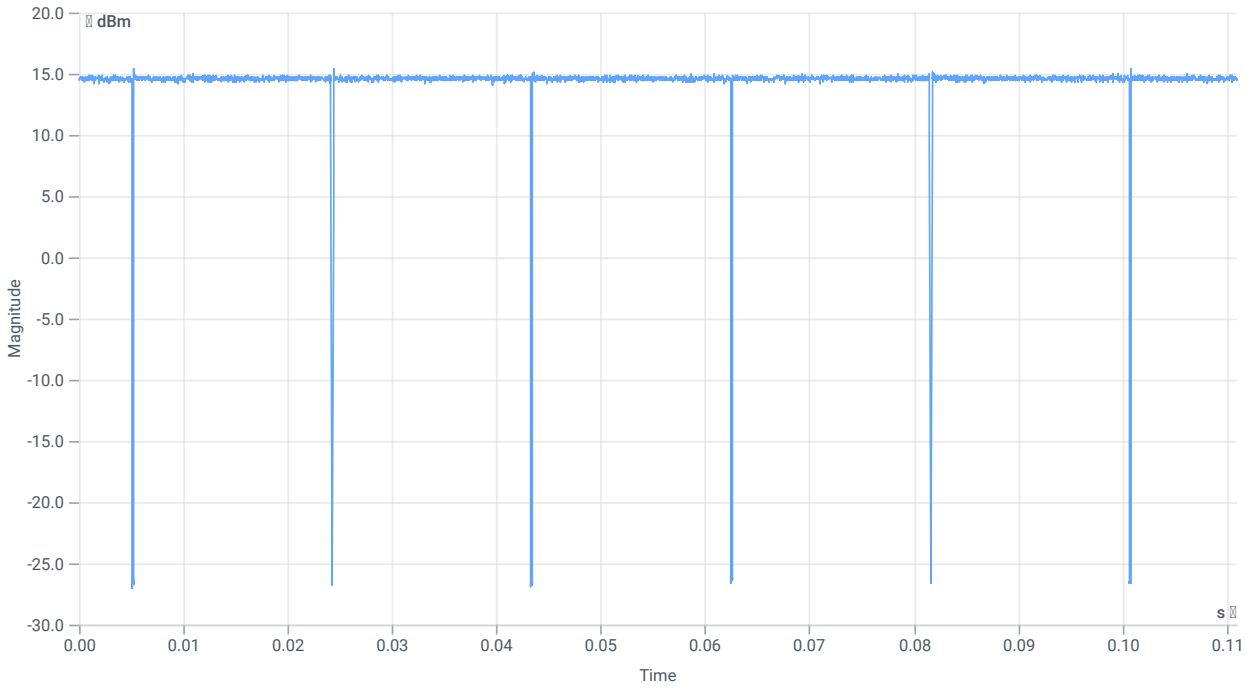
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.02	dBm	INFO
Ref. frequency	---	---	5256.600	MHz	INFO

Evaluation max. duty cycle

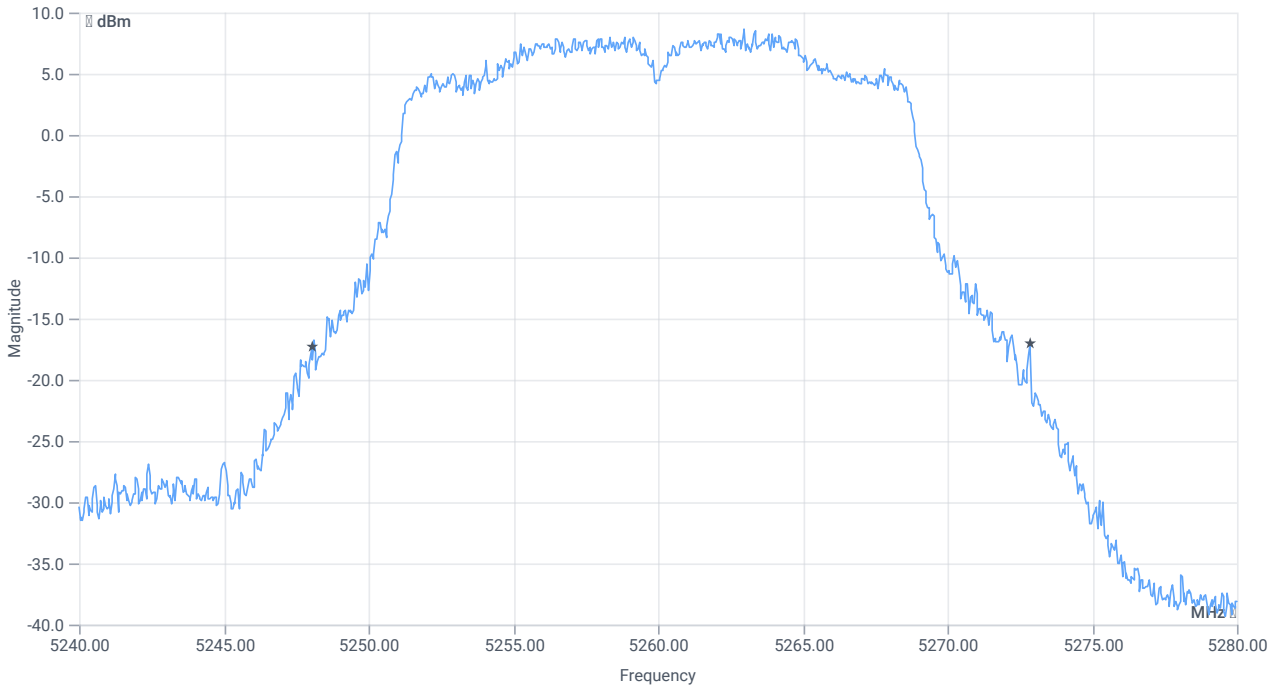
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.8	MHz	INFO
T1 26dB	---	---	5248.0400	MHz	INFO
T2 26dB	---	---	5272.8400	MHz	INFO

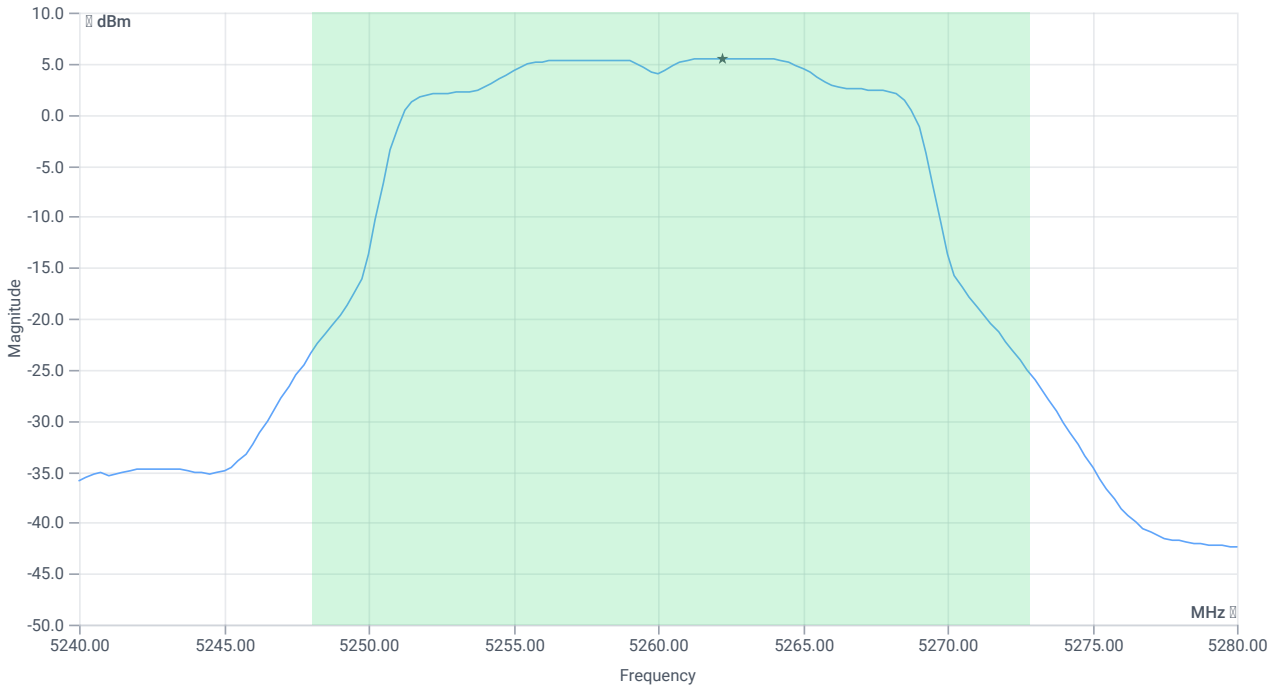
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.02 | 11.32 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.47	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.53	dBm	PASS
LIMIT: 11 dBm + 10 log 24.8					
Max output power DC corrected cond	---	24.94	16.53	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.53	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.49	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.55	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:35:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5260 MHz

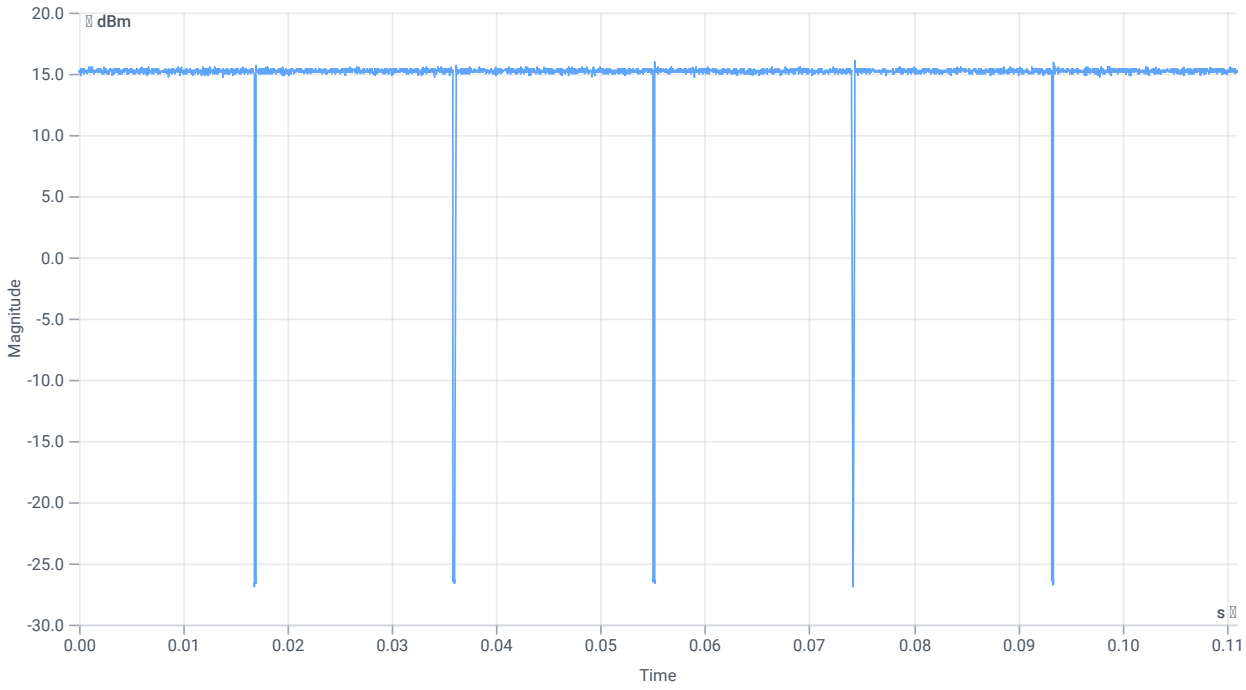
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.81	dBm	INFO
Ref. frequency	---	---	5258.600	MHz	INFO

Evaluation max. duty cycle

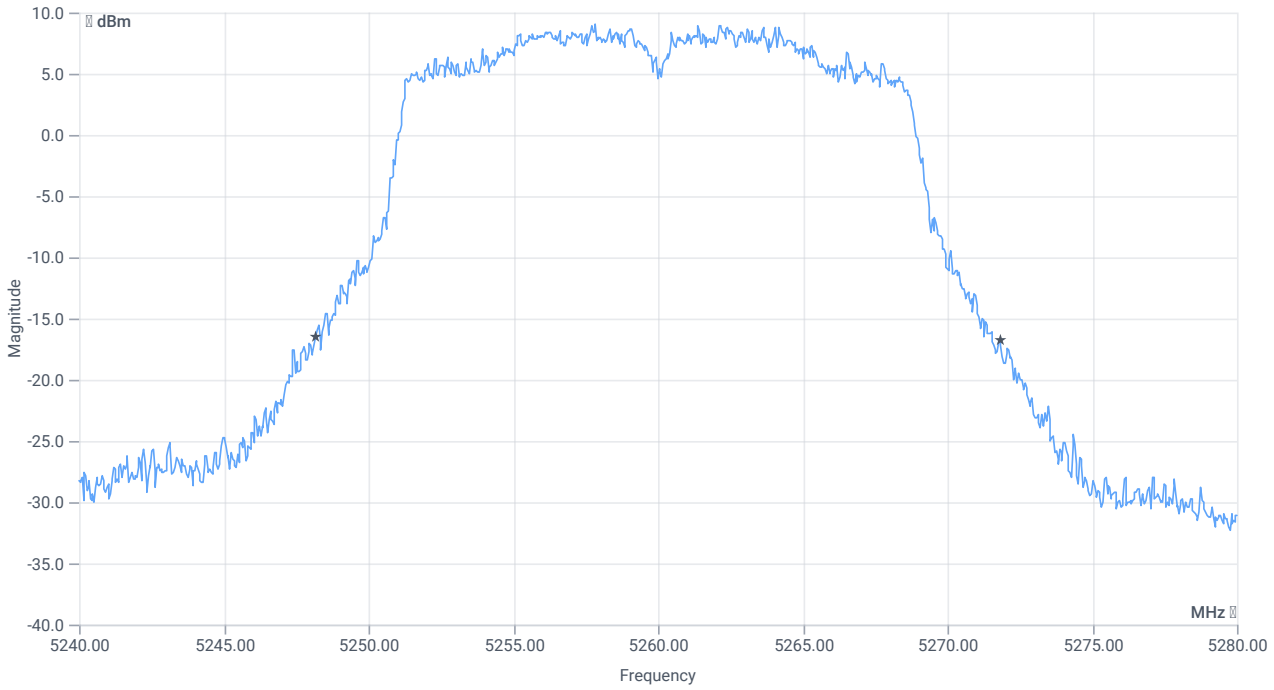
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 4					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.988	---	INFO
Duty cycle min	---	---	0.052	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.222	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.64	MHz	INFO
T1 26dB	---	---	5248.1600	MHz	INFO
T2 26dB	---	---	5271.8000	MHz	INFO

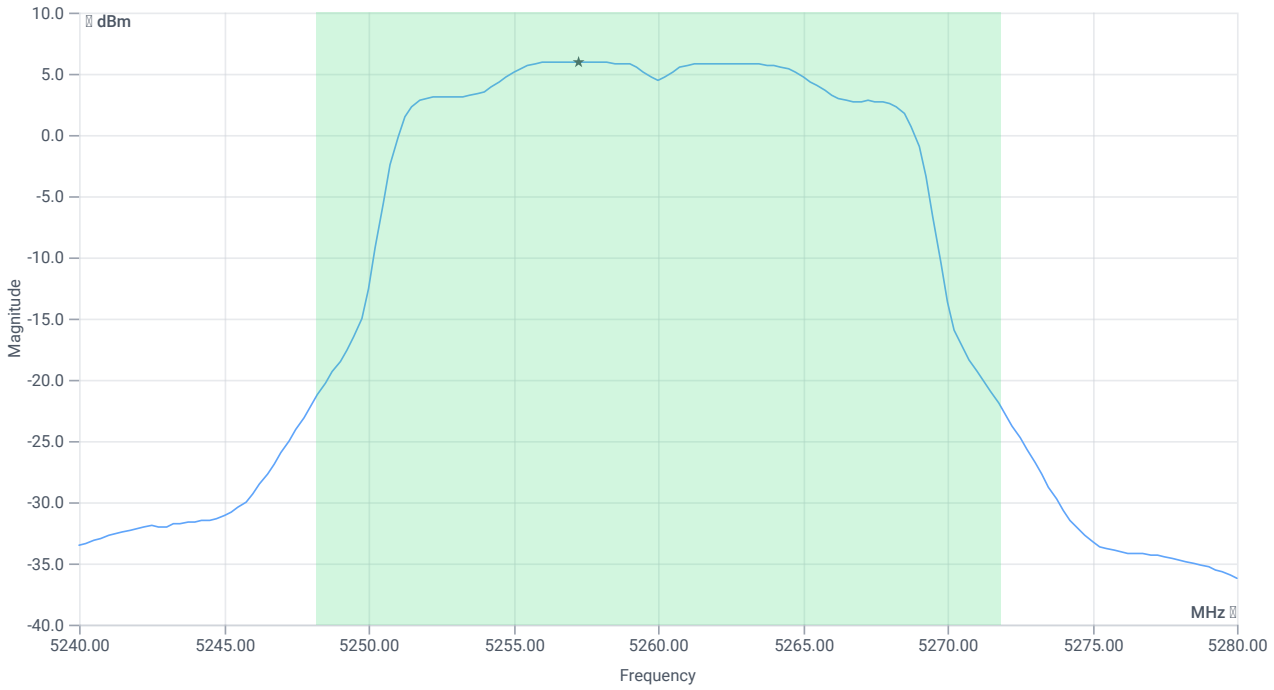
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.81 | 11.29 | 30
Start [MHz] | Stop [MHz]	5240.000 | 5280.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17	dBm	INFO
Duty cycle correction	---	---	0.05	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.05	dBm	PASS
LIMIT: 11 dBm + 10 log 23.64					
Max output power DC corrected cond	---	24.74	17.05	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.05	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.97	dBm/1MHz	INFO
Duty cycle correction	---	---	0.05	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	6.02	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:37:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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 5280 MHz

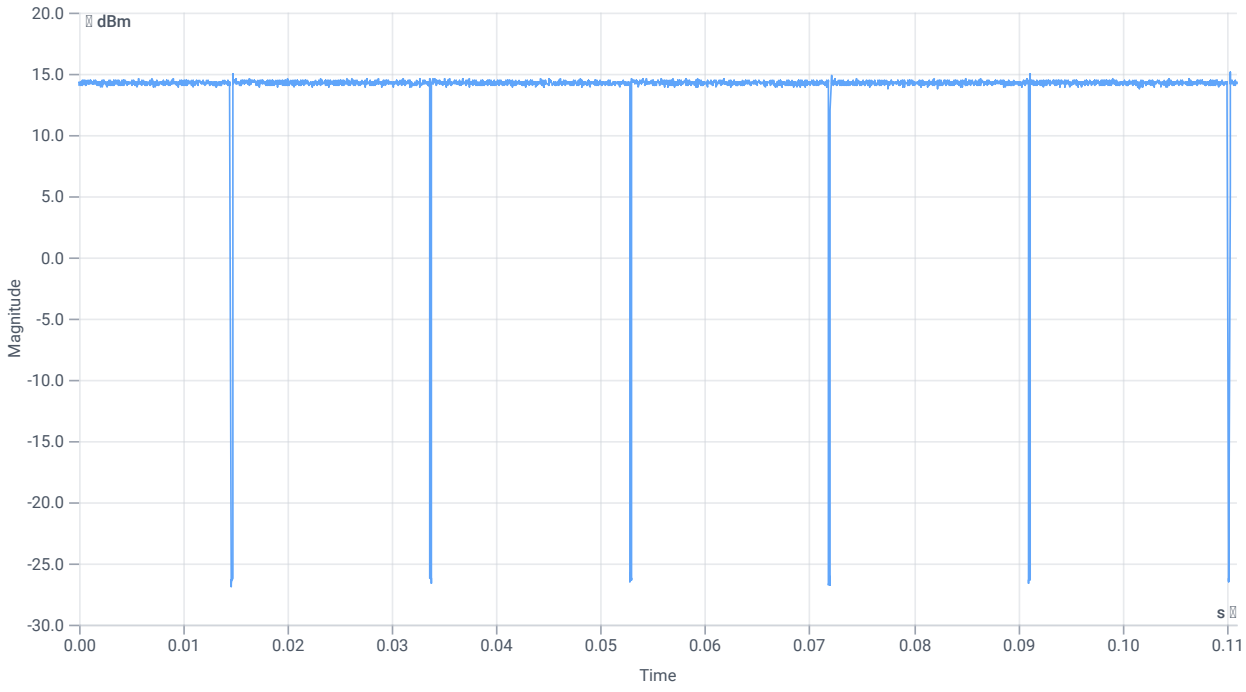
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.25	dBm	INFO
Ref. frequency	---	---	5283.000	MHz	INFO

Evaluation max. duty cycle

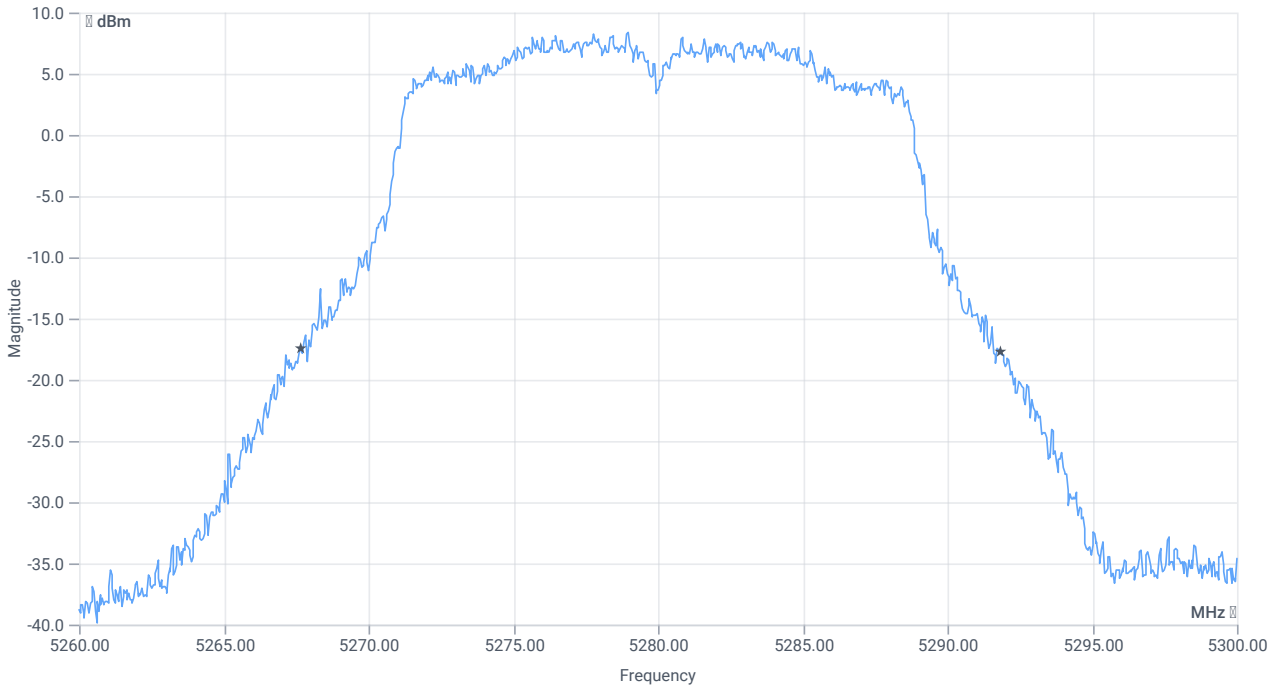
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.16	MHz	INFO
T1 26dB	---	---	5267.6400	MHz	INFO
T2 26dB	---	---	5291.8000	MHz	INFO

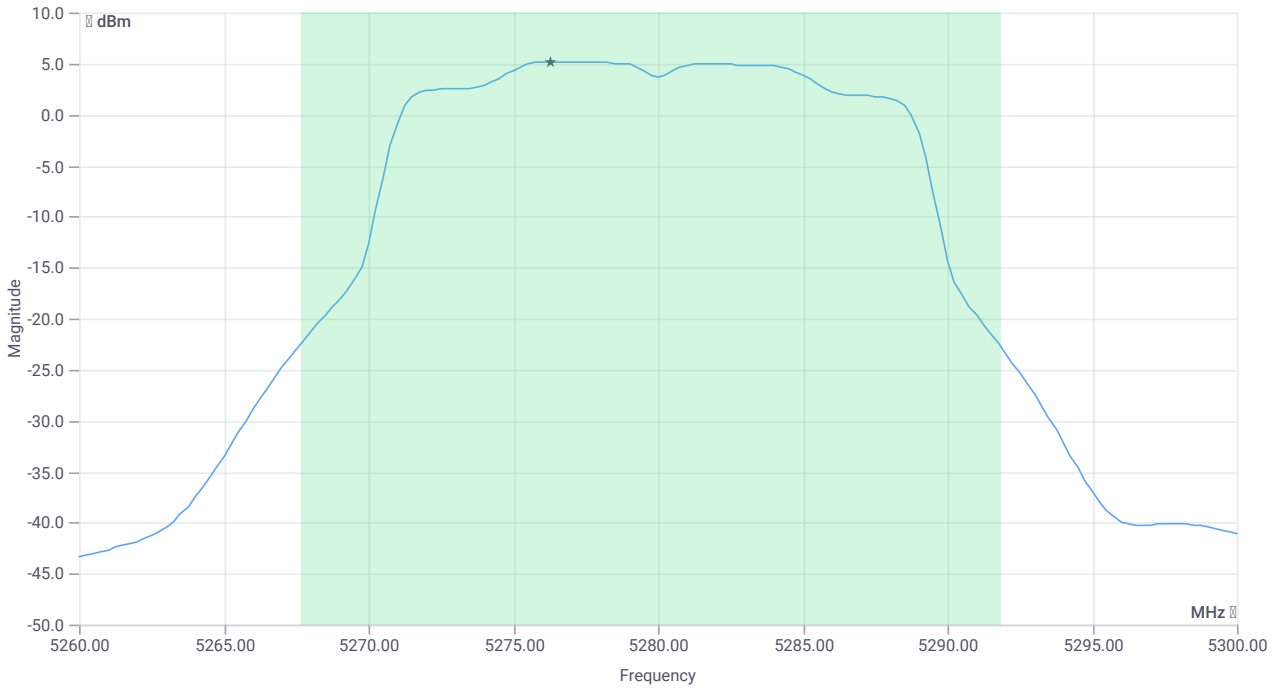
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.25 | 11.36 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.16	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.22	dBm	PASS
LIMIT: 11 dBm + 10 log 24.16					
Max output power DC corrected cond	---	24.83	16.22	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.22	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.15	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.21	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:39:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5280 MHz

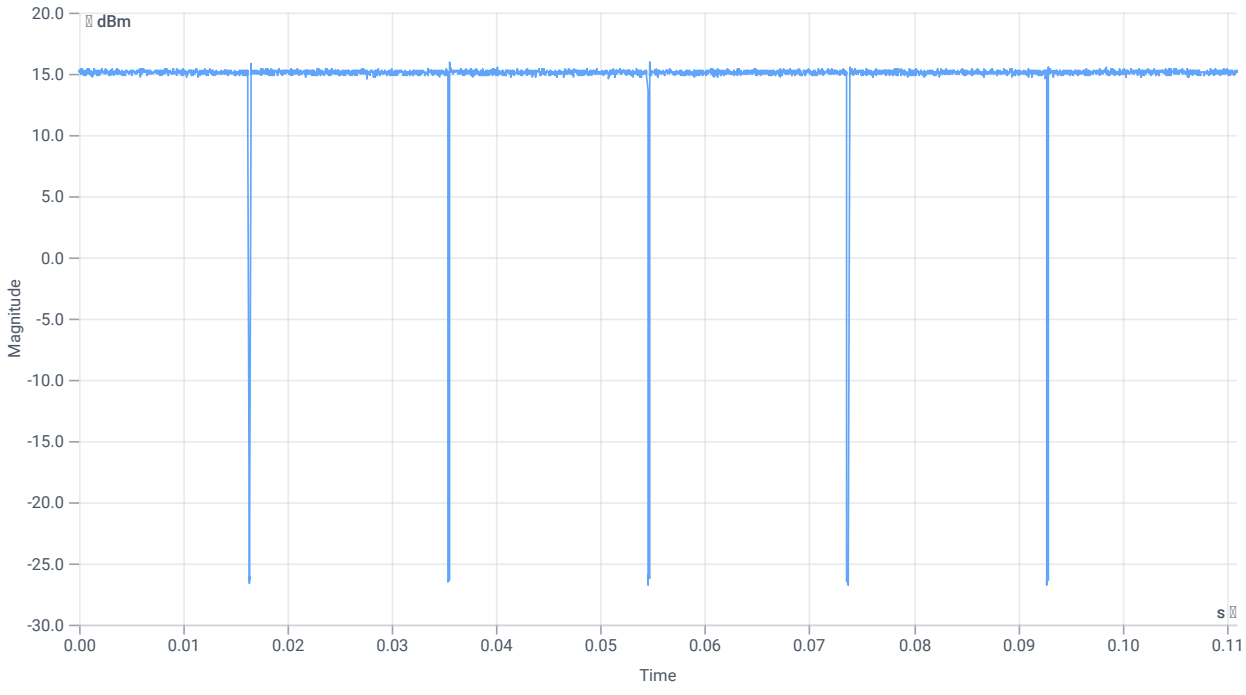
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.15	dBm	INFO
Ref. frequency	---	---	5282.200	MHz	INFO

Evaluation max. duty cycle

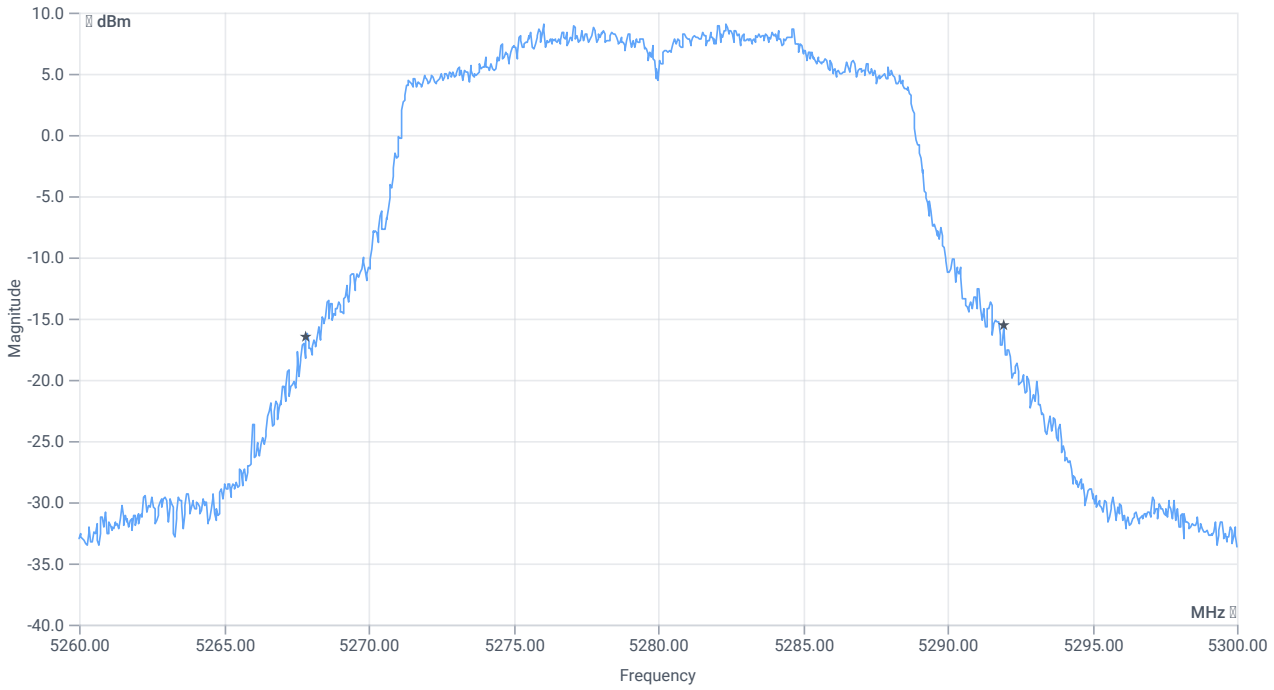
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 4					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.12	MHz	INFO
T1 26dB	---	---	5267.8400	MHz	INFO
T2 26dB	---	---	5291.9600	MHz	INFO

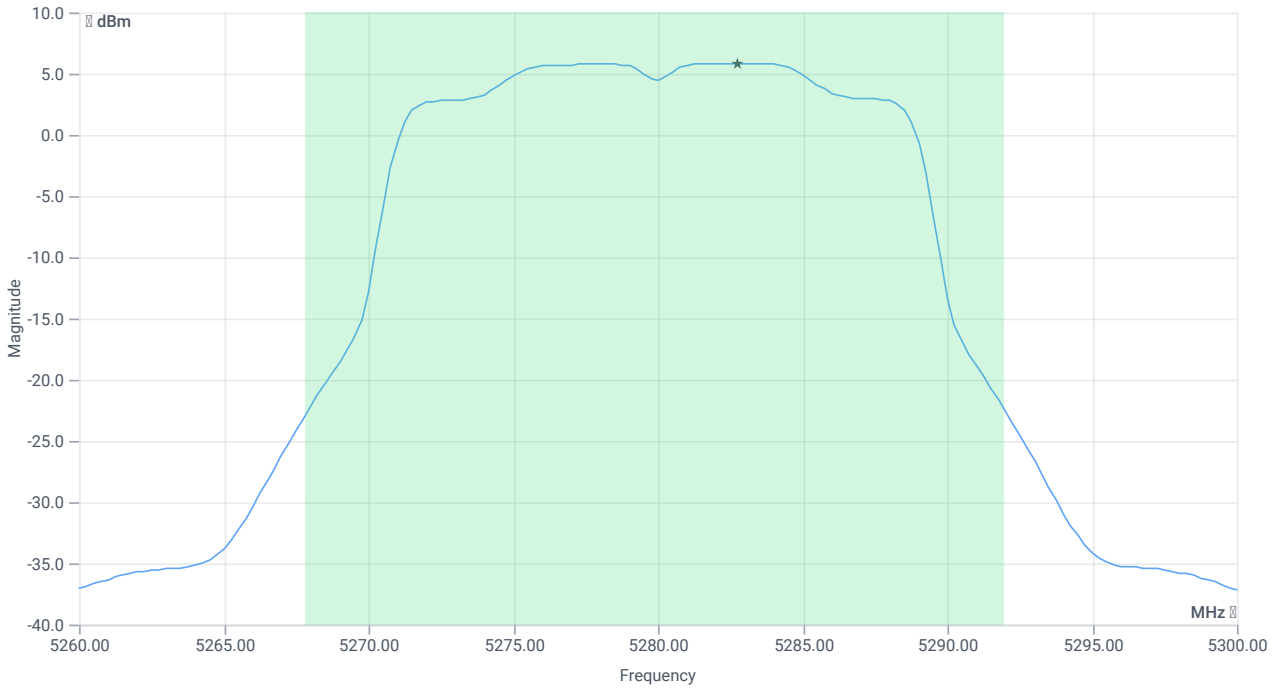
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.15 | 11.33 | 30
Start [MHz] | Stop [MHz]	5260.000 | 5300.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.94	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17	dBm	PASS
LIMIT: 11 dBm + 10 log 24.12					
Max output power DC corrected cond	---	24.82	17	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	5.86	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	5.92	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:41:00
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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 5320 MHz

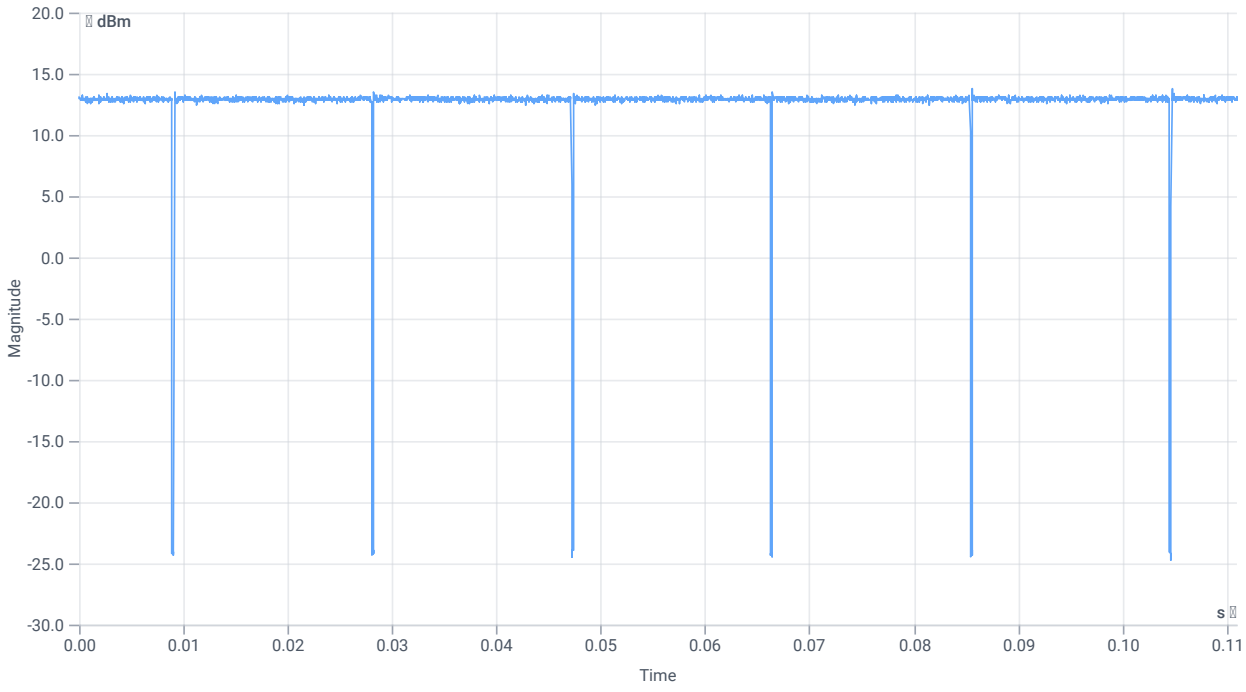
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.60	dBm	INFO
Ref. frequency	---	---	5322.400	MHz	INFO

Evaluation max. duty cycle

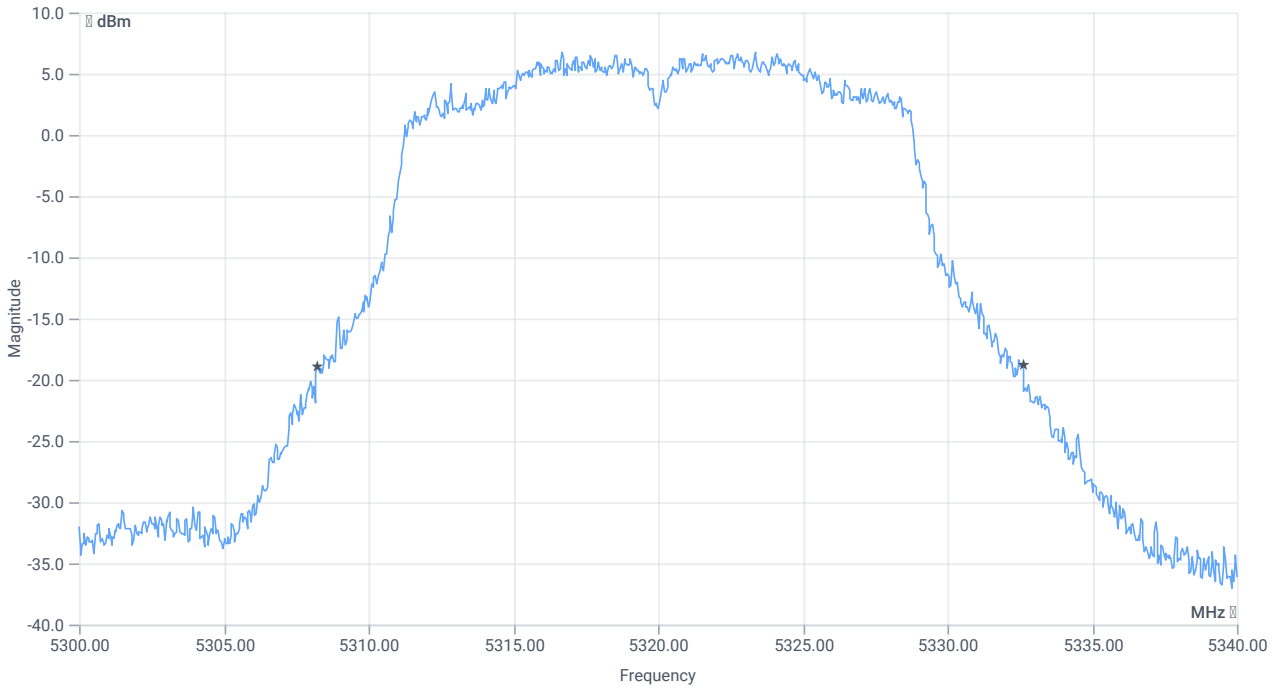
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.36	MHz	INFO
T1 26dB	---	---	5308.2400	MHz	INFO
T2 26dB	---	---	5332.6000	MHz	INFO

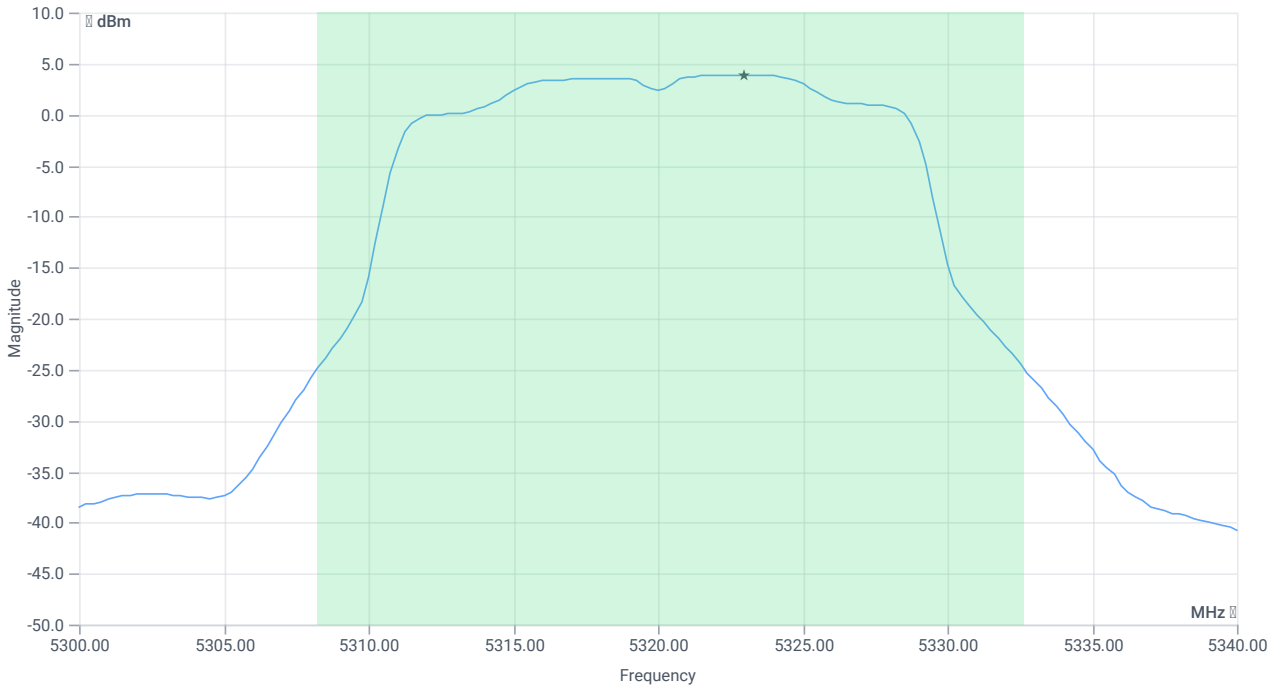
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.60 | 11.48 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	14.75	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.81	dBm	PASS
LIMIT: 11 dBm + 10 log 24.36					
Max output power DC corrected cond	---	24.87	14.81	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	14.81	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.85	dBm/1MHz	INFO
Duty cycle correction	---	---	0.06	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	3.91	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	06.05.2026 13:42:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.6.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

Number of antenna ports	2
User Interaction	No
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103809,3.70
Switch matrix,cetecom advanced GmbH,USM,B001,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
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	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5320 MHz

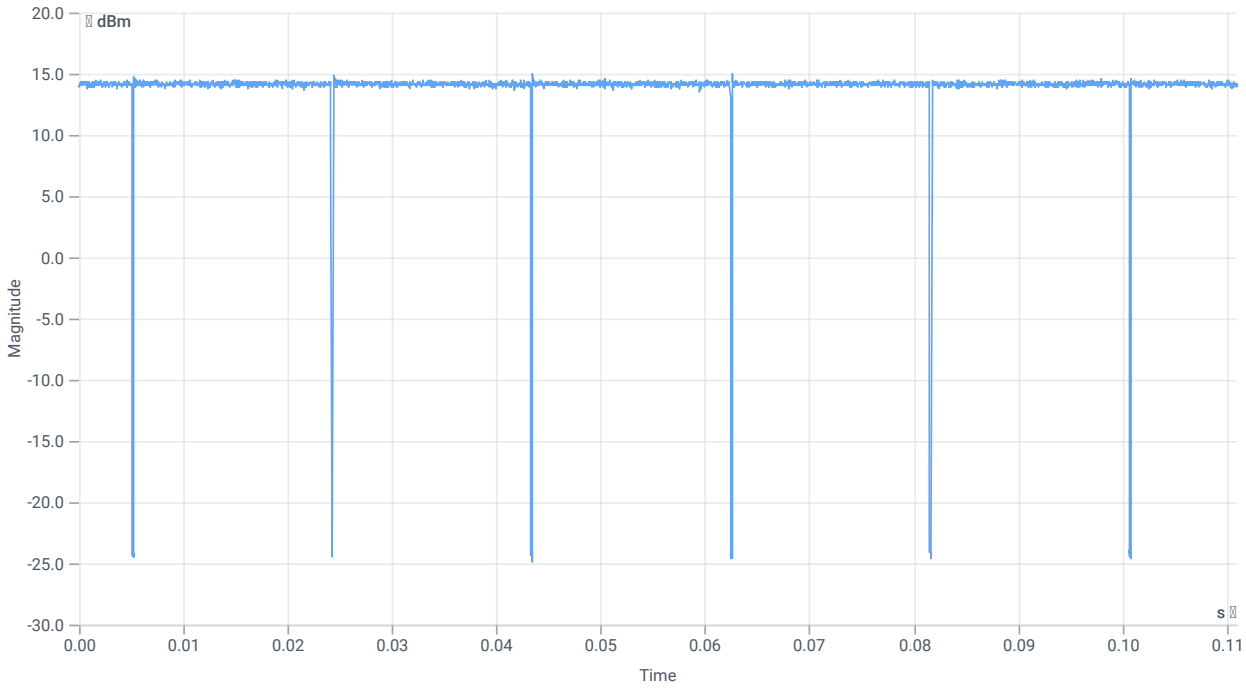
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.34	dBm	INFO
Ref. frequency	---	---	5318.000	MHz	INFO

Evaluation max. duty cycle

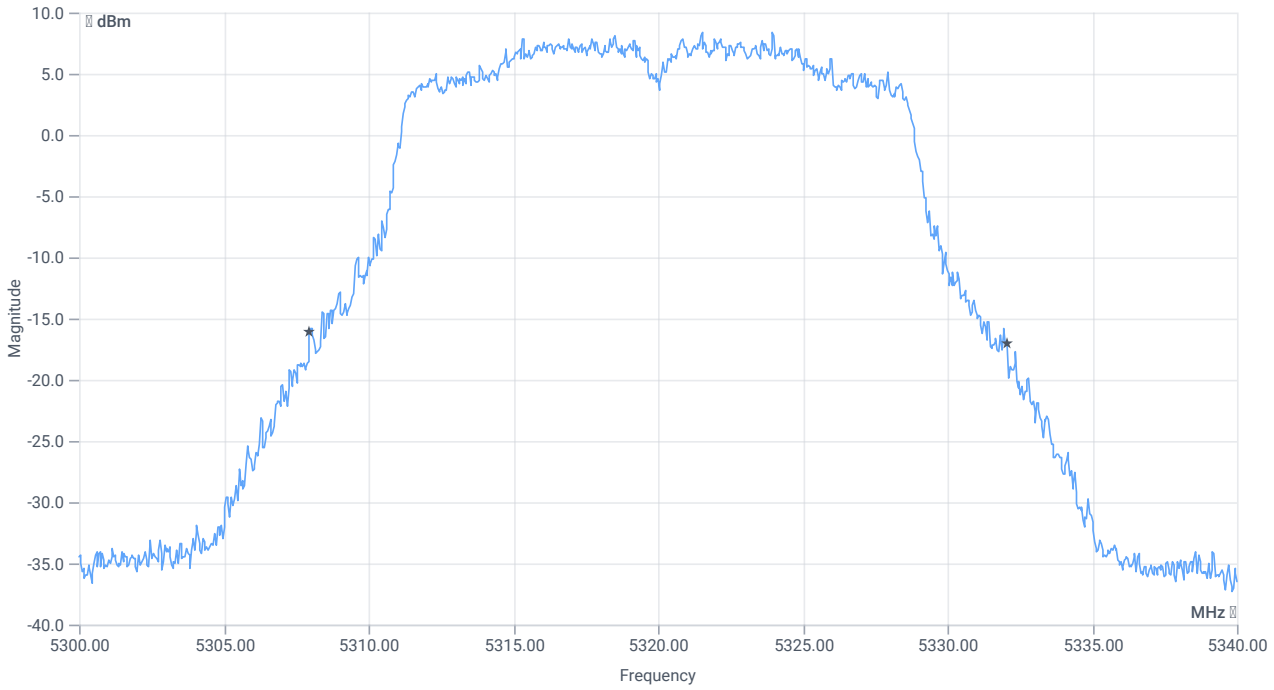
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 5					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.987	---	INFO
Duty cycle min	---	---	0.057	dB	INFO
Max TX burst length	---	---	18.898	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.12	MHz	INFO
T1 26dB	---	---	5307.9600	MHz	INFO
T2 26dB	---	---	5332.0800	MHz	INFO

Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.34 | 11.47 | 30
Start [MHz] | Stop [MHz]	5300.000 | 5340.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	RMS | MAXH
Sweep: time [ms] | count | points per Section | type	59600 | 1 | 161 | SWE