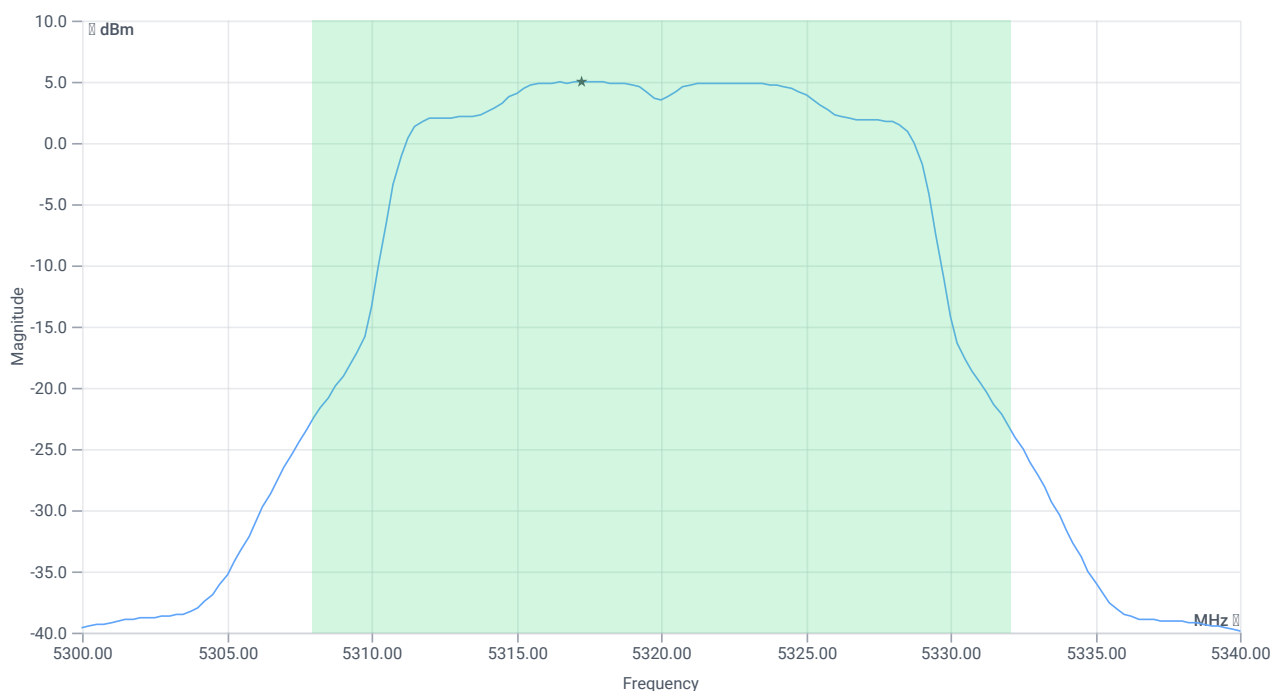




Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.03	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.09	dBm	PASS
LIMIT: 11 dBm + 10 log 24.12					
Max output power DC corrected cond	---	24.82	16.09	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.09	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	---	---	4.96	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	5.02	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 07:56:24
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 n-HT20 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 n-HT20 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

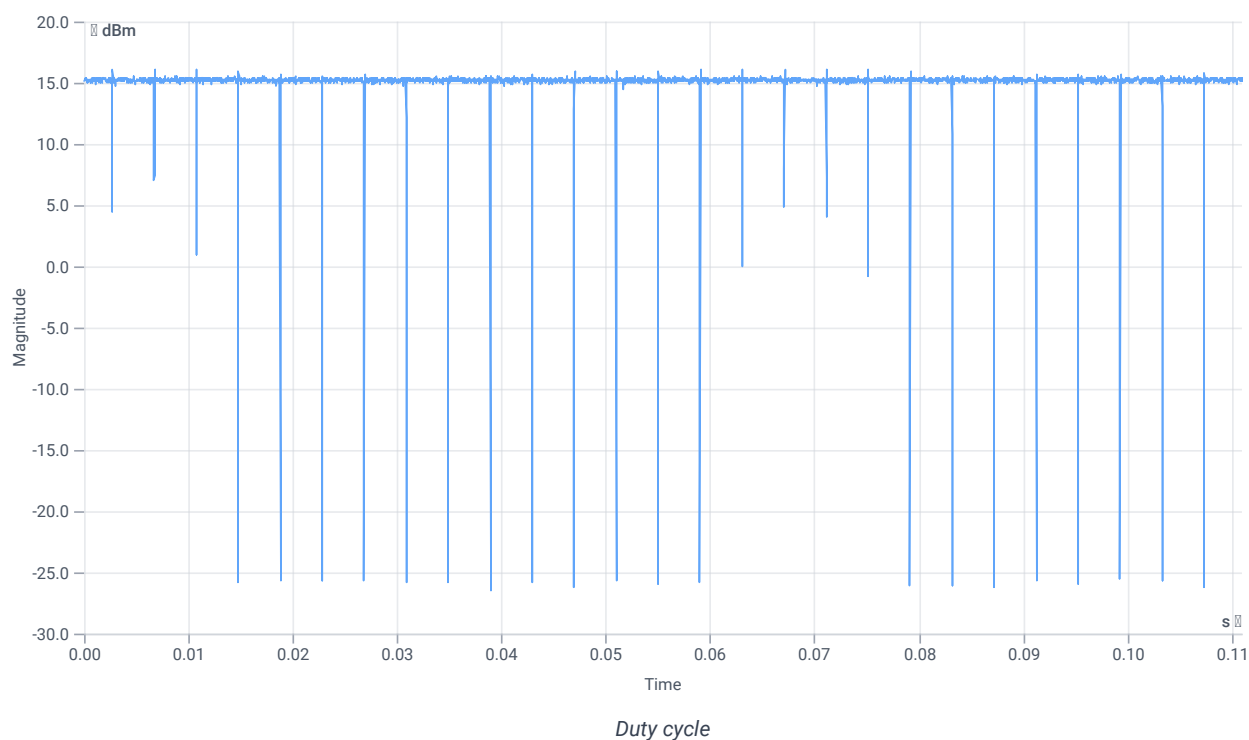
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.47	dBm	INFO
Ref. frequency	---	---	5496.200	MHz	INFO

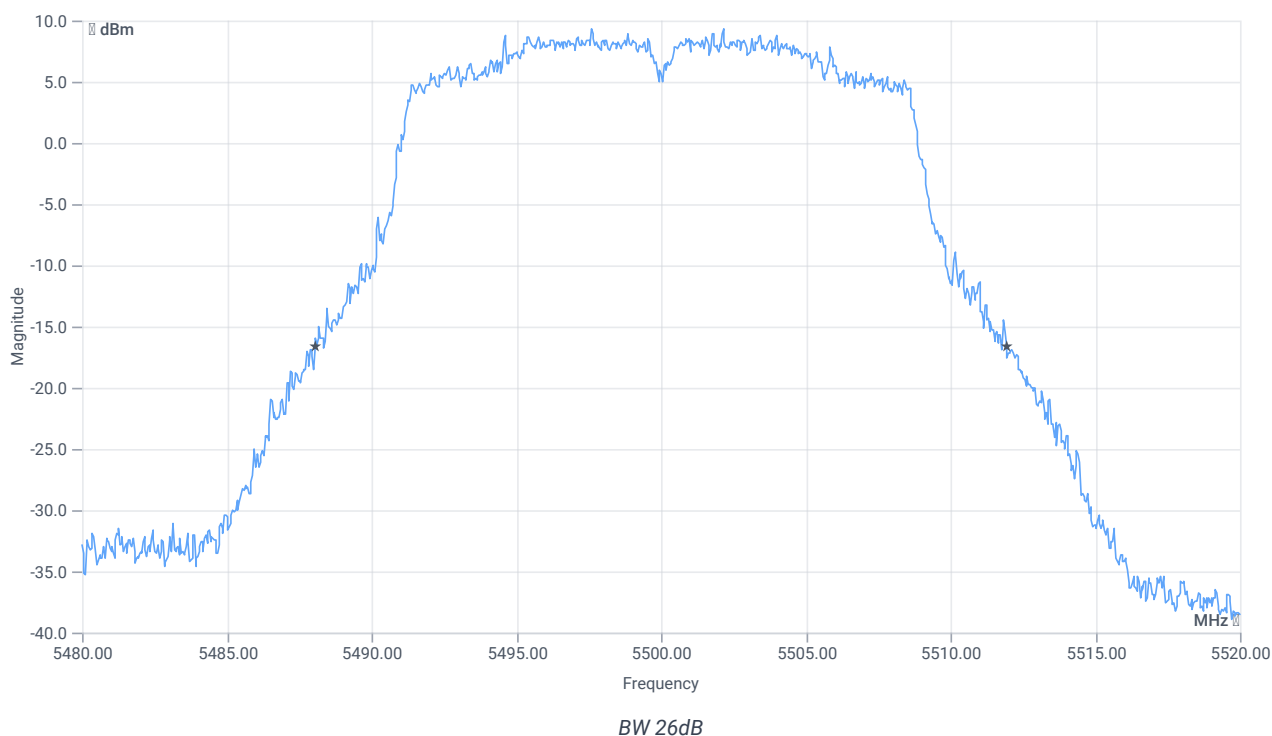
Evaluation max. duty cycle

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



Evaluation bandwidth



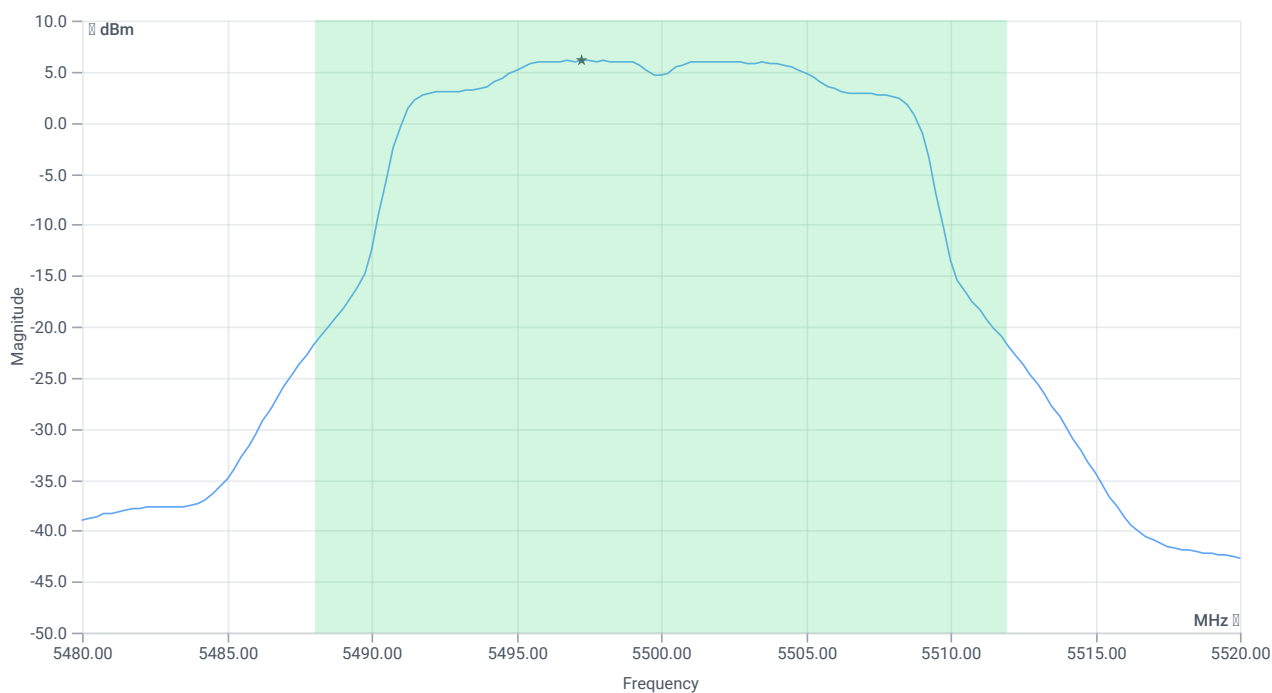
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.88	MHz	INFO
T1 26dB	---	---	5488.0400	MHz	INFO
T2 26dB	---	---	5511.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	26.47 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	---	---	17.07	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.16	dBm	PASS
LIMIT: 11 dBm + 10 log 23.88					
Max output power DC corrected cond	---	24.78	17.16	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.16	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	---	---	6.07	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	6.16	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 07:58:34
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 n-HT20 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 n-HT20 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

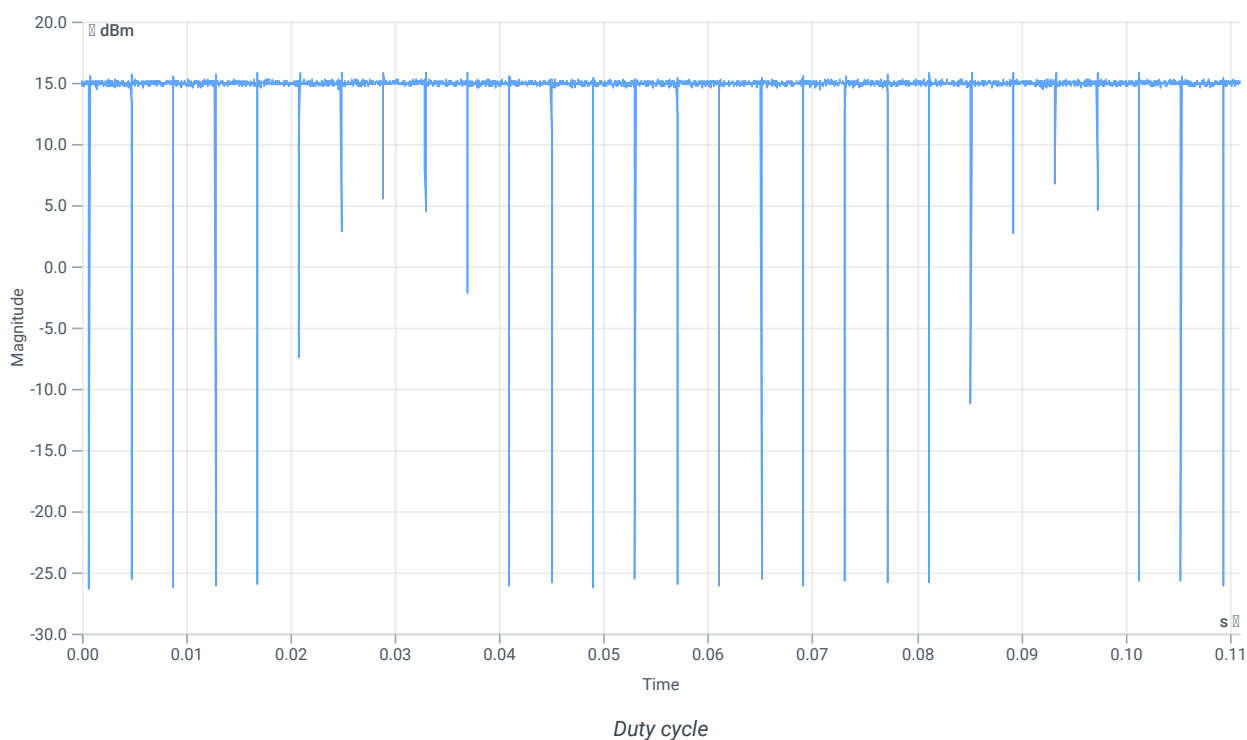
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.59	dBm	INFO
Ref. frequency	---	---	5501.400	MHz	INFO

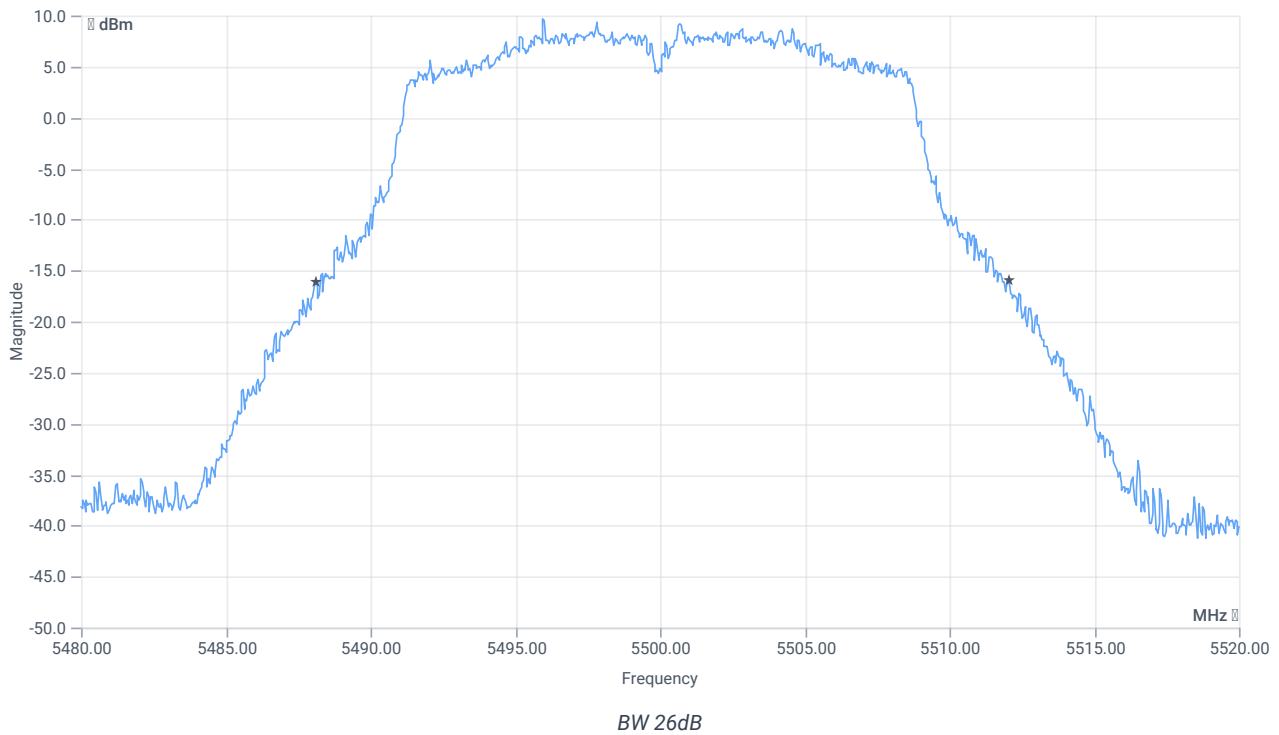
Evaluation max. duty cycle

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



Evaluation bandwidth



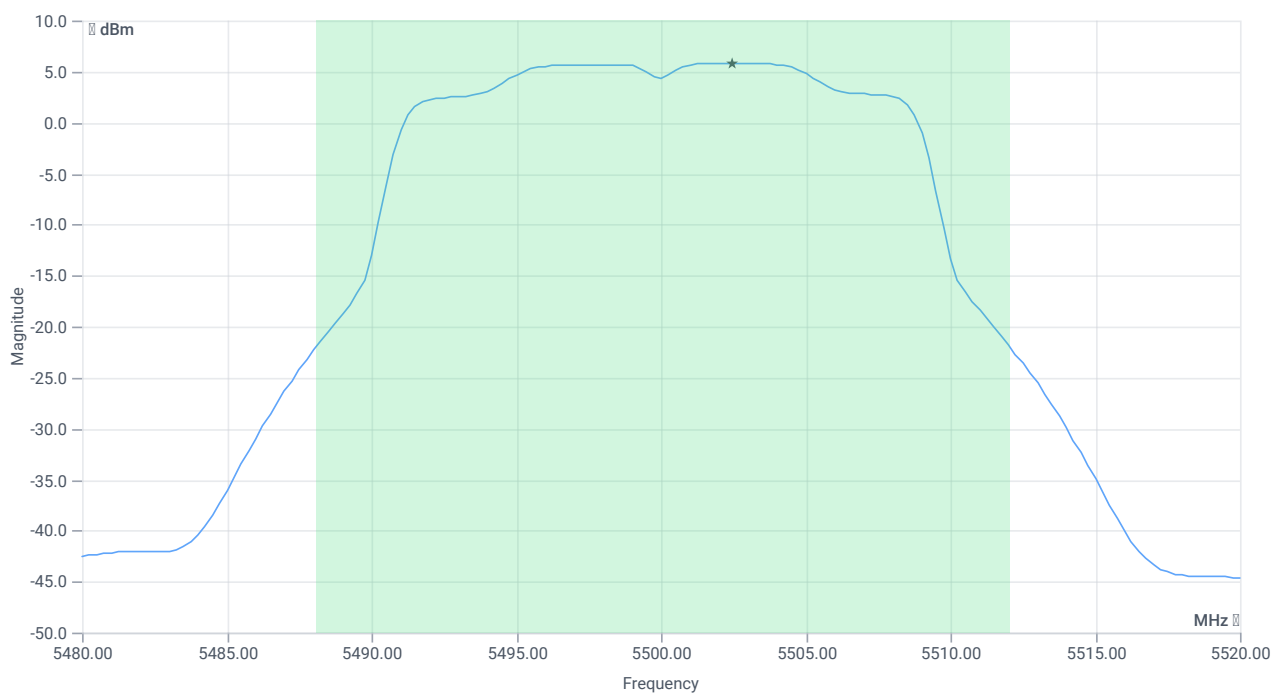
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.96	MHz	INFO
T1 26dB	---	---	5488.1200	MHz	INFO
T2 26dB	---	---	5512.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	25.59 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	---	---	16.8	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 23.96					
Max output power DC corrected cond	---	24.79	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	---	---	5.77	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	5.86	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 08:00:31
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-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 n-HT20 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

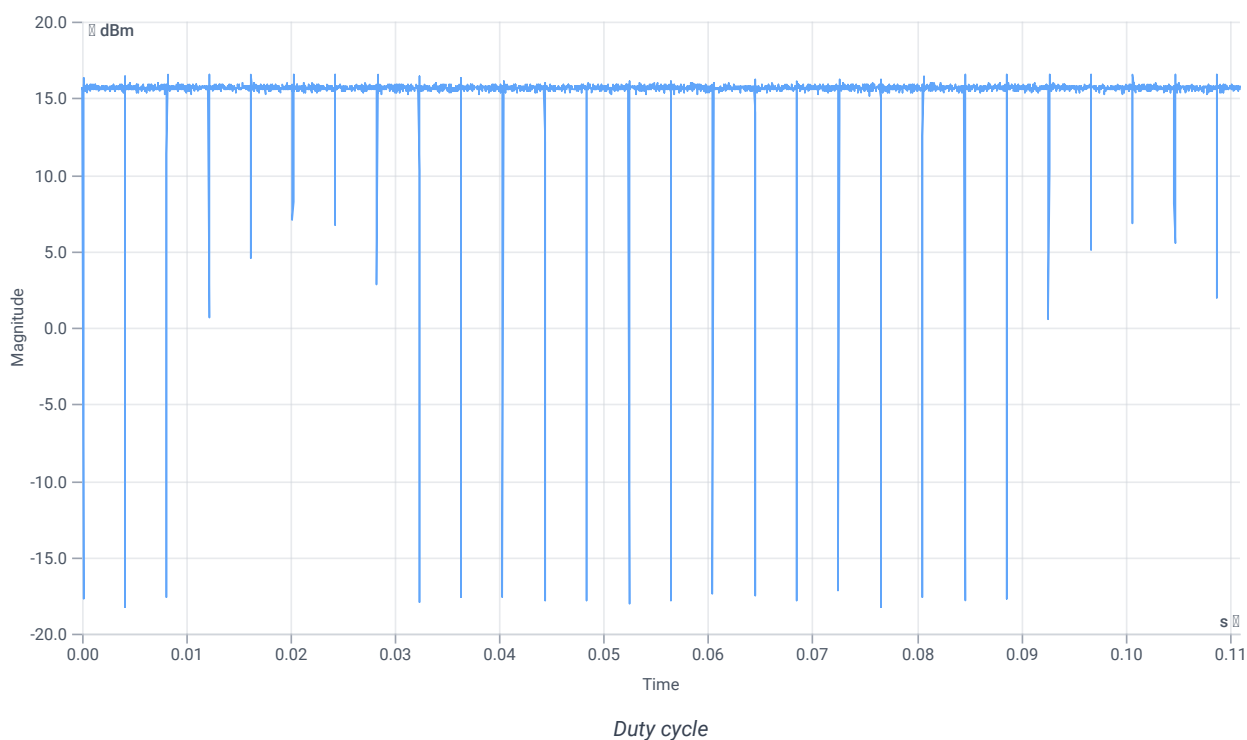
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.81	dBm	INFO
Ref. frequency	---	---	5602.000	MHz	INFO

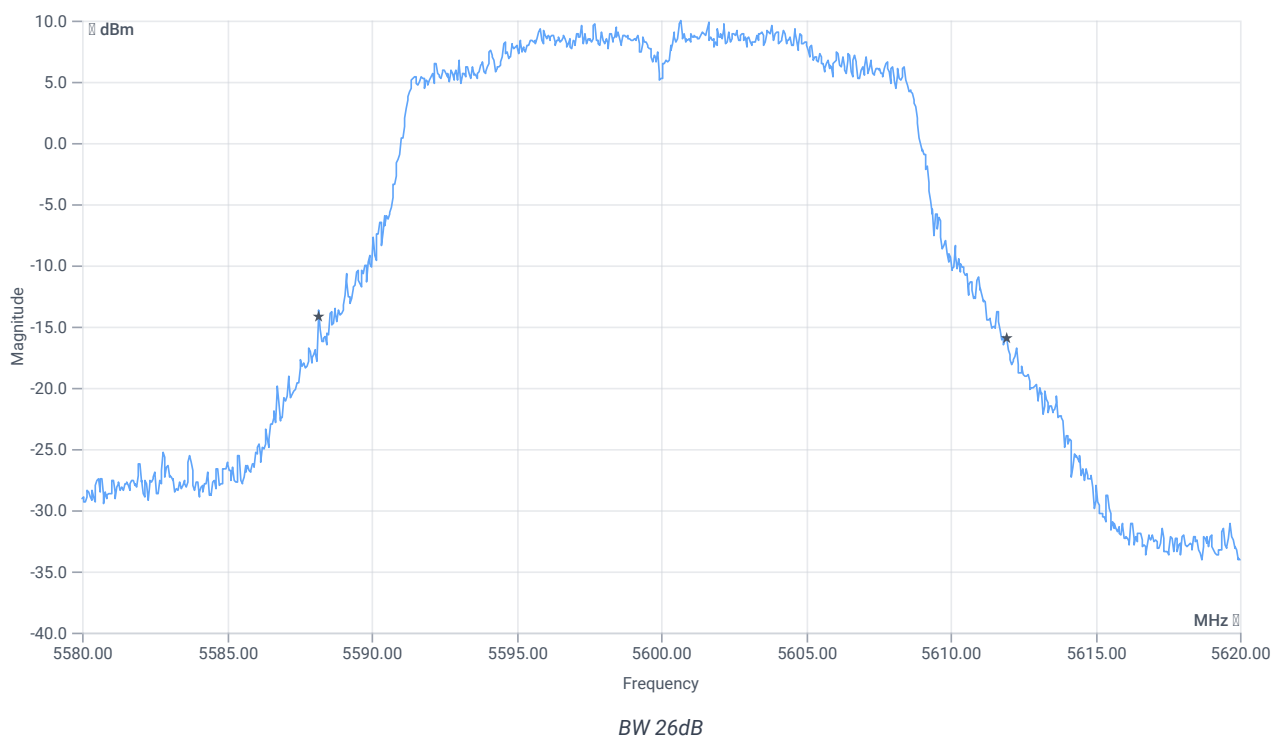
Evaluation max. duty cycle

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



Evaluation bandwidth



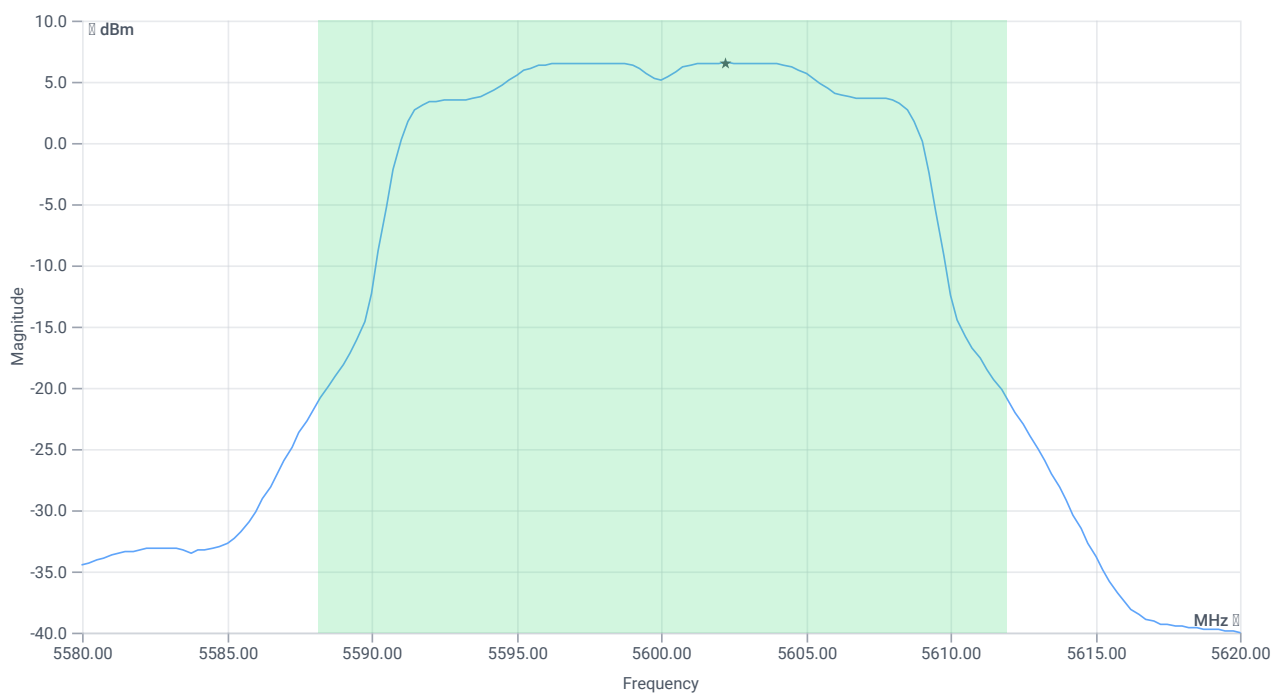
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.8	MHz	INFO
T1 26dB	---	---	5588.1600	MHz	INFO
T2 26dB	---	---	5611.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	26.81 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	---	---	17.64	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.73	dBm	PASS
LIMIT: 11 dBm + 10 log 23.8					
Max output power DC corrected cond	---	24.77	17.73	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.73	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	---	---	6.55	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	6.64	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 08:02:14
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 n-HT20 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 n-HT20 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

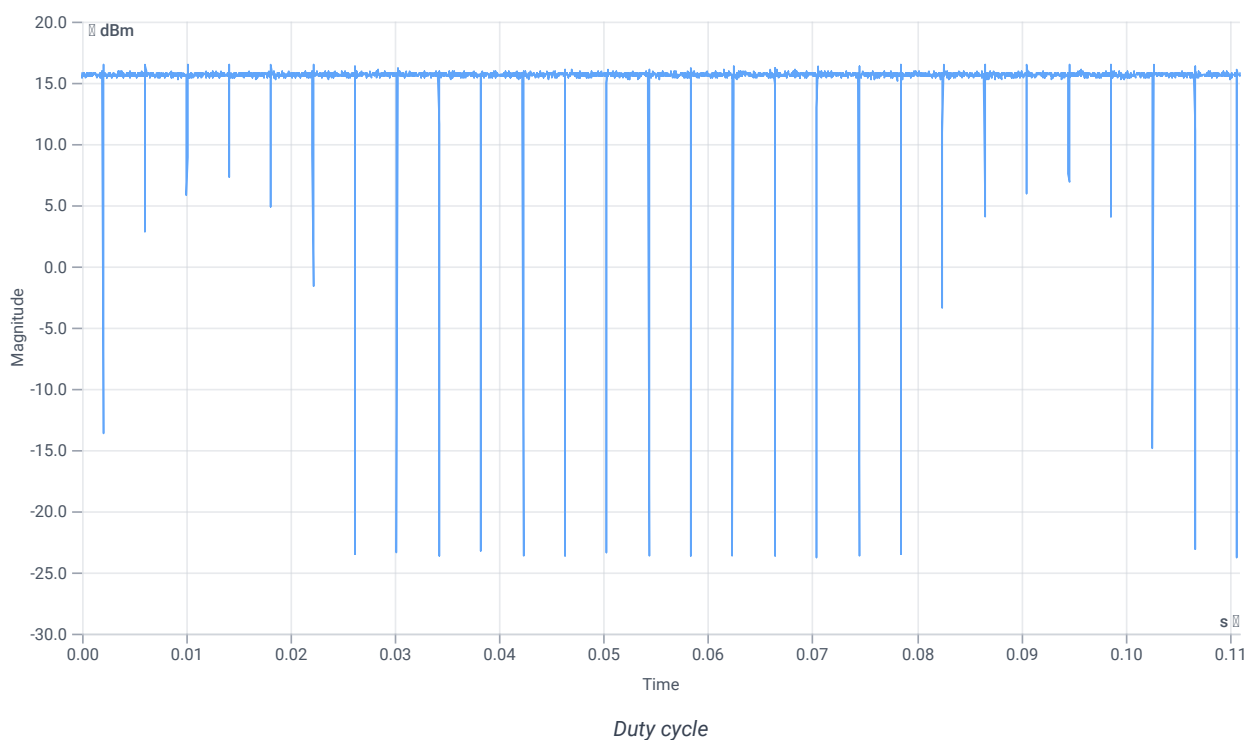
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.35	dBm	INFO
Ref. frequency	---	---	5603.000	MHz	INFO

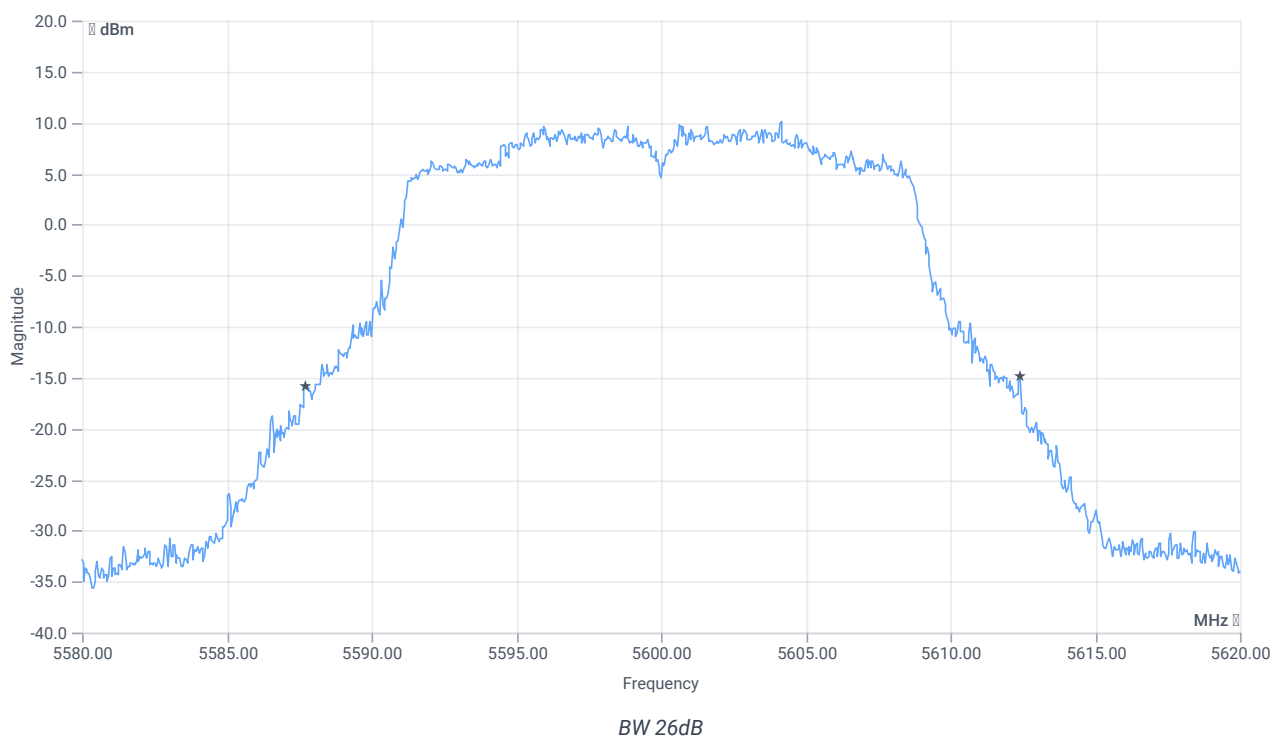
Evaluation max. duty cycle

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



Evaluation bandwidth



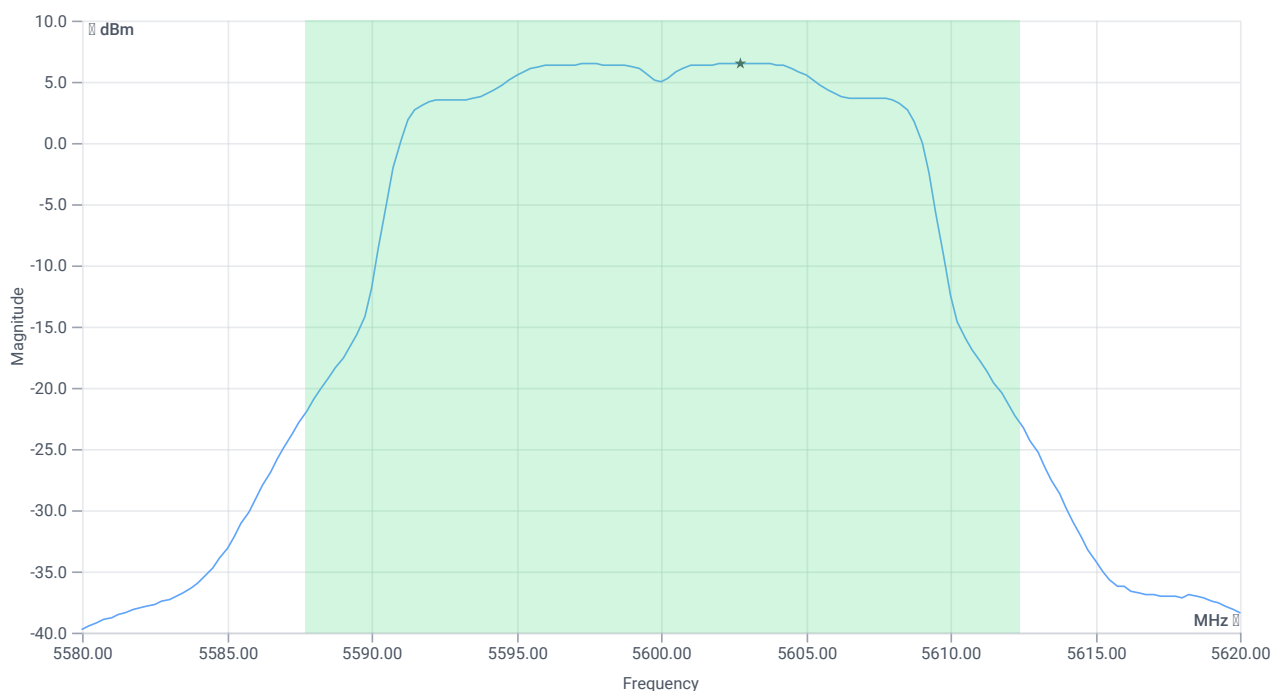
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.68	MHz	INFO
T1 26dB	---	---	5587.7200	MHz	INFO
T2 26dB	---	---	5612.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	26.35 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.58	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.67	dBm	PASS
LIMIT: 11 dBm + 10 log 24.68					
Max output power DC corrected cond	---	24.92	17.67	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.67	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	---	---	6.44	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	6.53	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 08:04:33
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 n-HT20 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 n-HT20 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

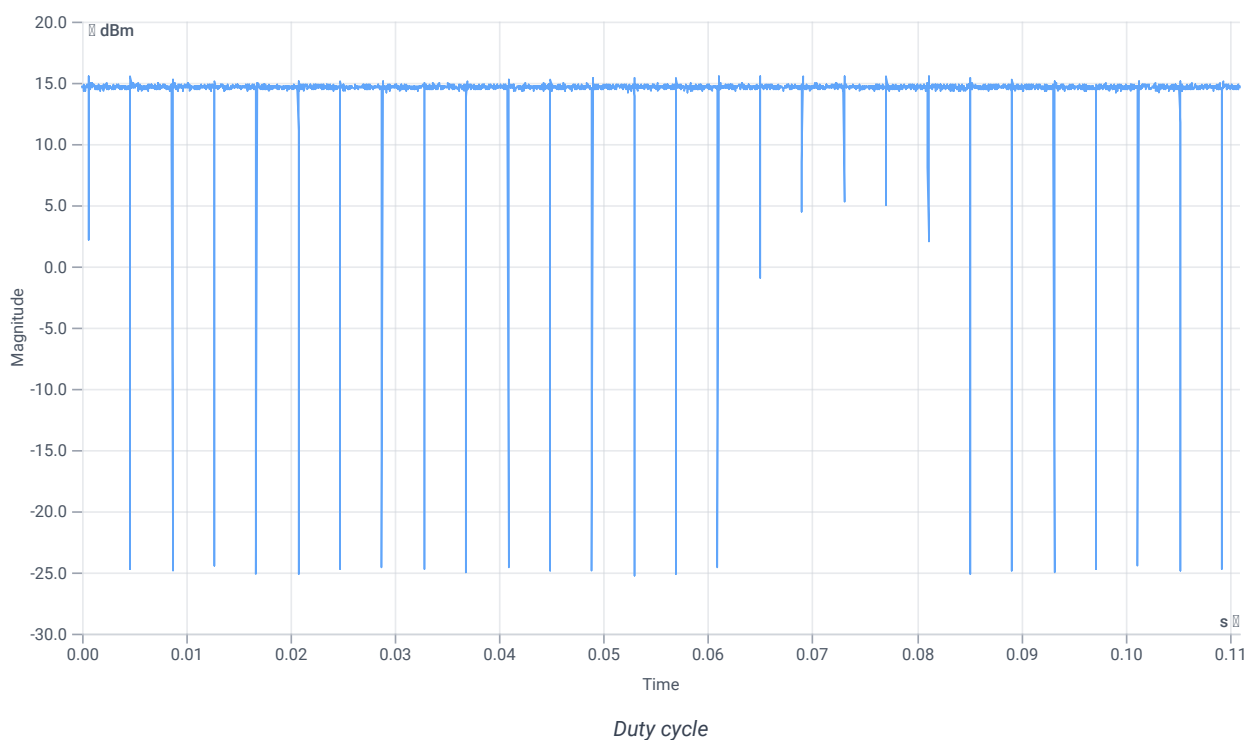
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.34	dBm	INFO
Ref. frequency	---	---	5703.200	MHz	INFO

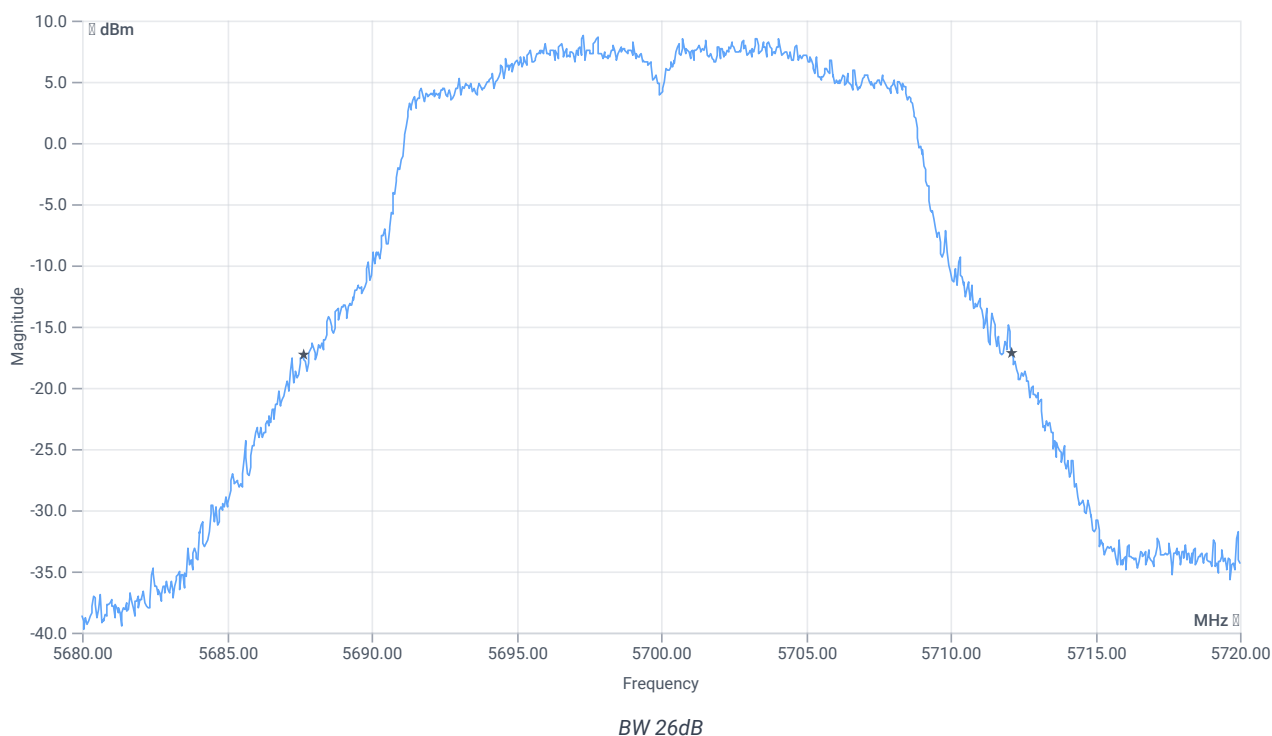
Evaluation max. duty cycle

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



Evaluation bandwidth



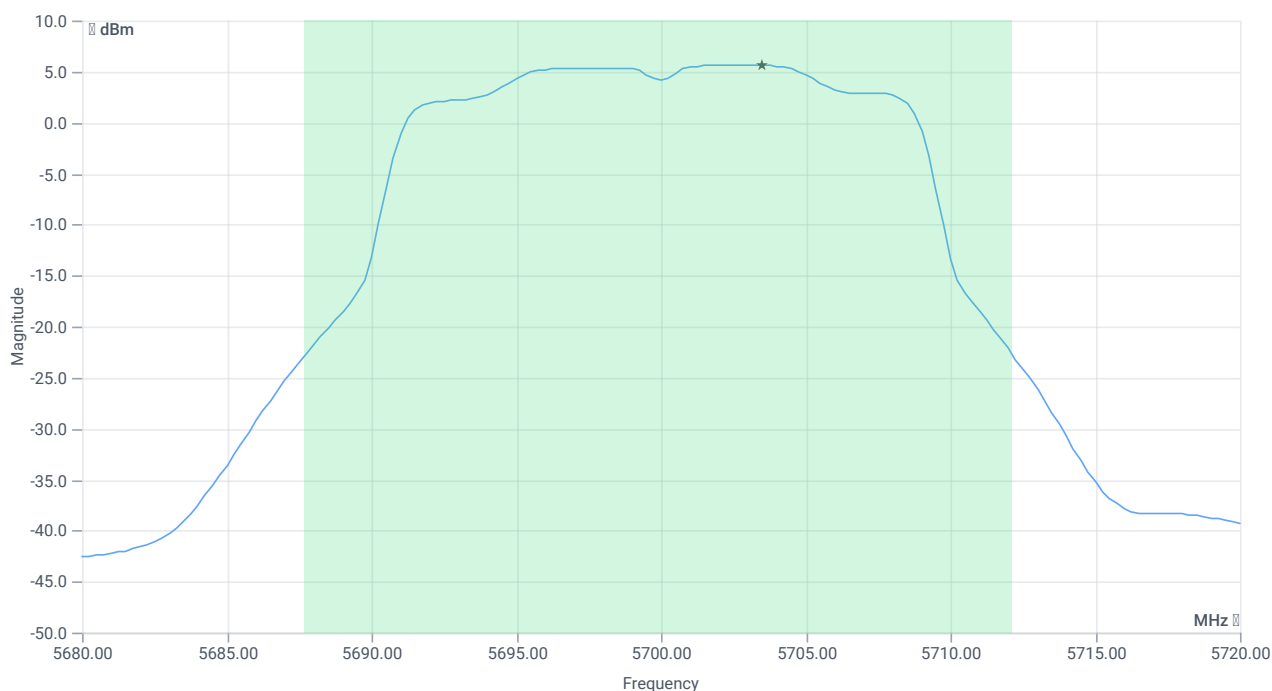
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.48	MHz	INFO
T1 26dB	---	---	5687.6400	MHz	INFO
T2 26dB	---	---	5712.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	25.34 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	---	---	16.58	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.67	dBm	PASS
LIMIT: 11 dBm + 10 log 24.48					
Max output power DC corrected cond	---	24.89	16.67	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.67	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	---	---	5.65	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	5.74	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	07.05.2026 08:06:22
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 n-HT20 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 n-HT20 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

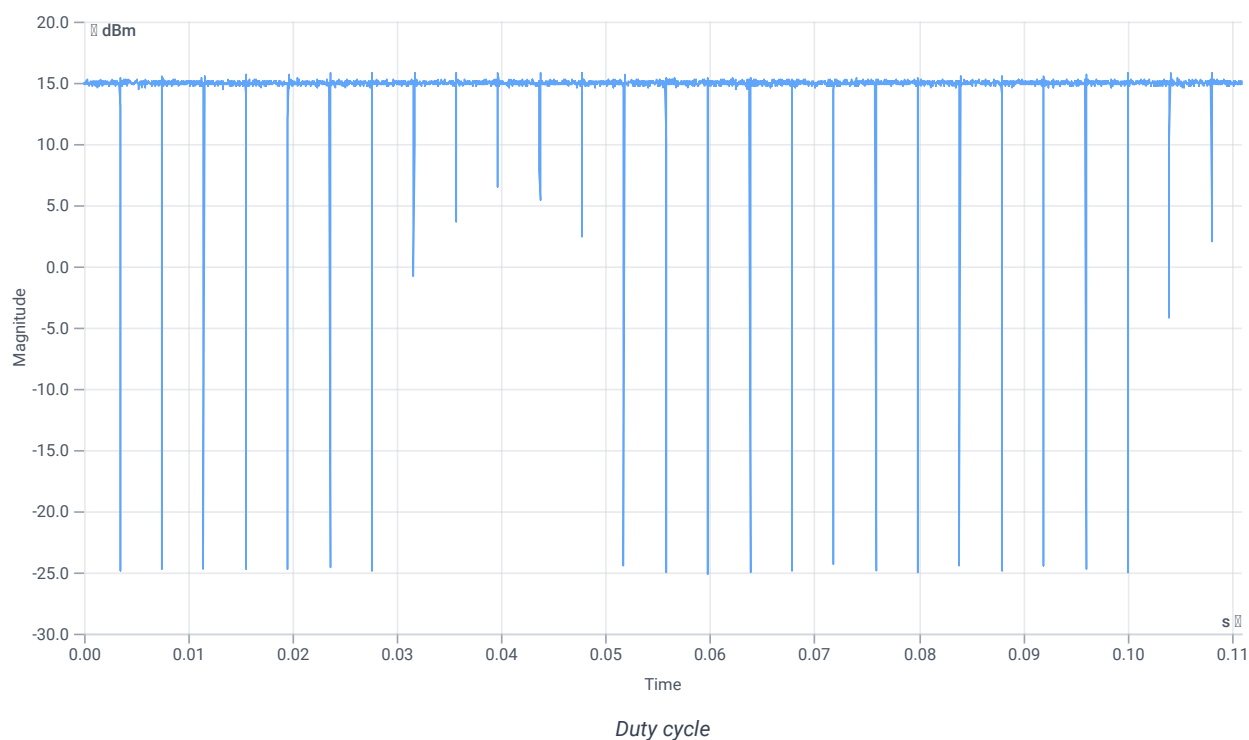
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.96	dBm	INFO
Ref. frequency	---	---	5703.800	MHz	INFO

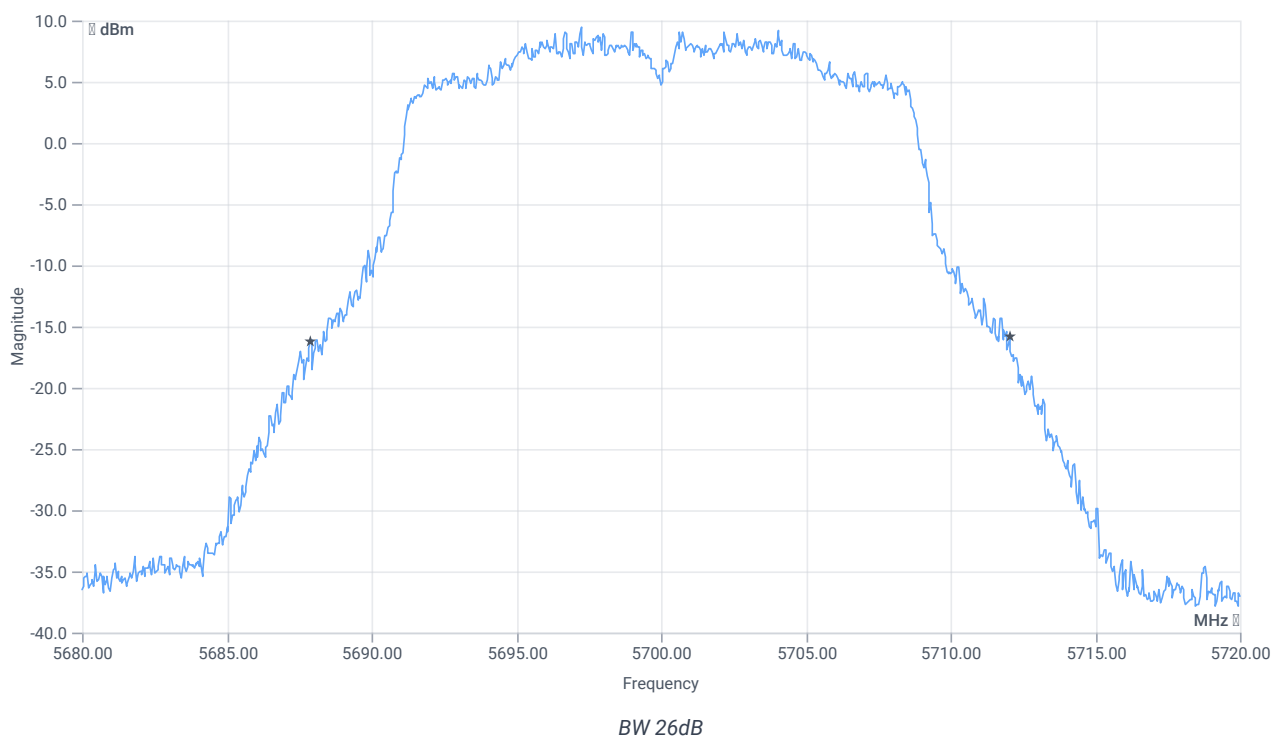
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 25					
Duty cycle (burst Ratio) max	---	---	0.99	---	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



Evaluation bandwidth



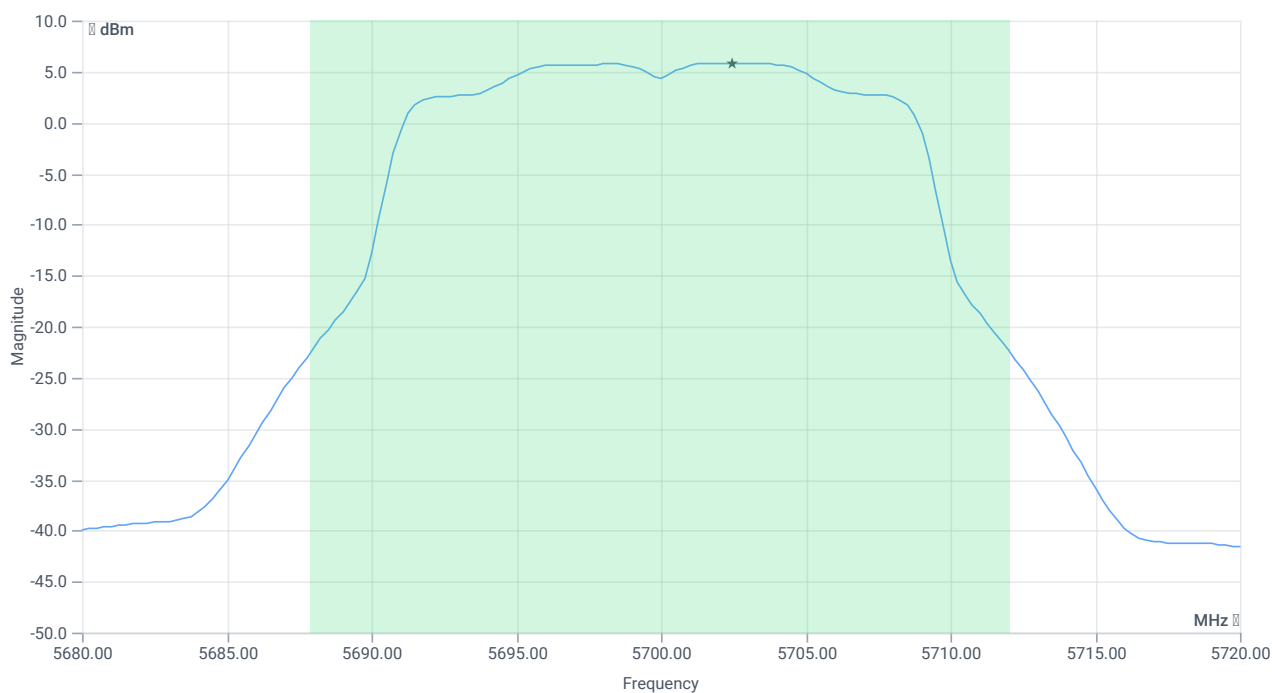
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	24.16	MHz	INFO
T1 26dB	---	---	5687.8800	MHz	INFO
T2 26dB	---	---	5712.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	25.96 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	---	---	16.8	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 24.16					
Max output power DC corrected cond	---	24.83	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	---	---	5.78	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	5.87	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	05.05.2026 17:09:42
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 n-HT40 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-HT40 mode
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.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5190 MHz

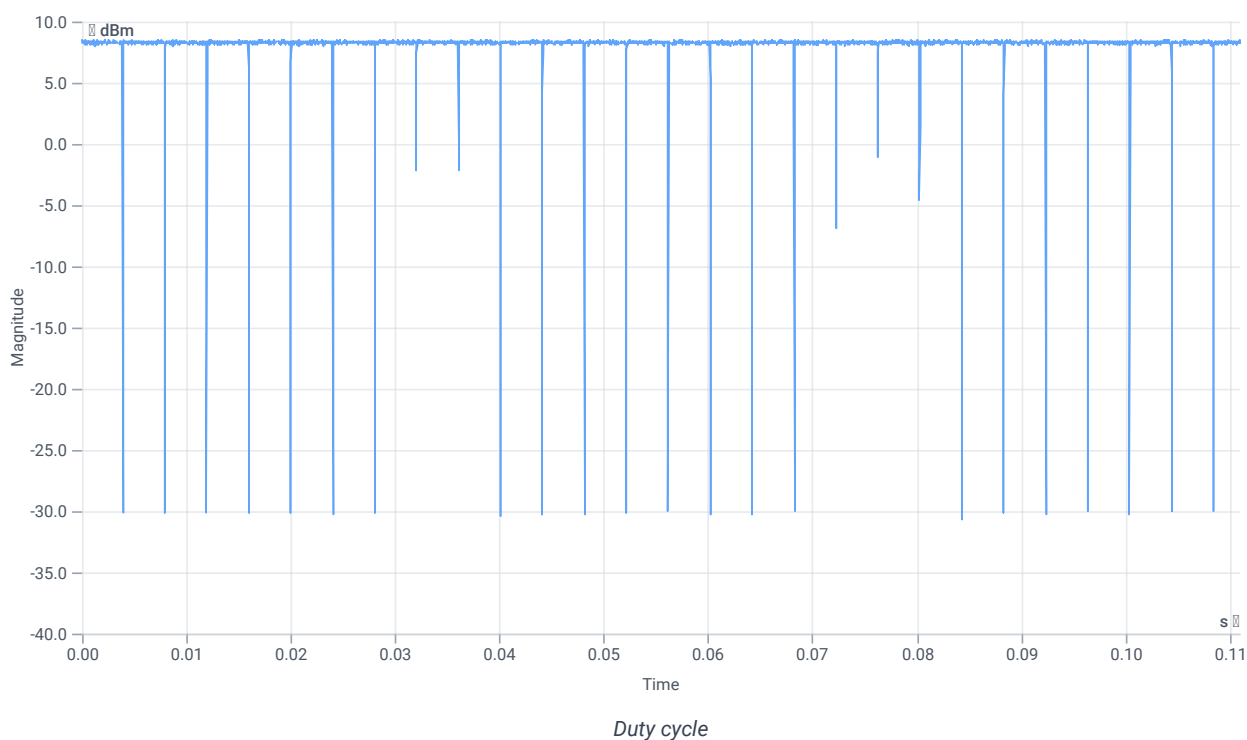
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.19	dBm	INFO
Ref. frequency	---	---	5192.000	MHz	INFO

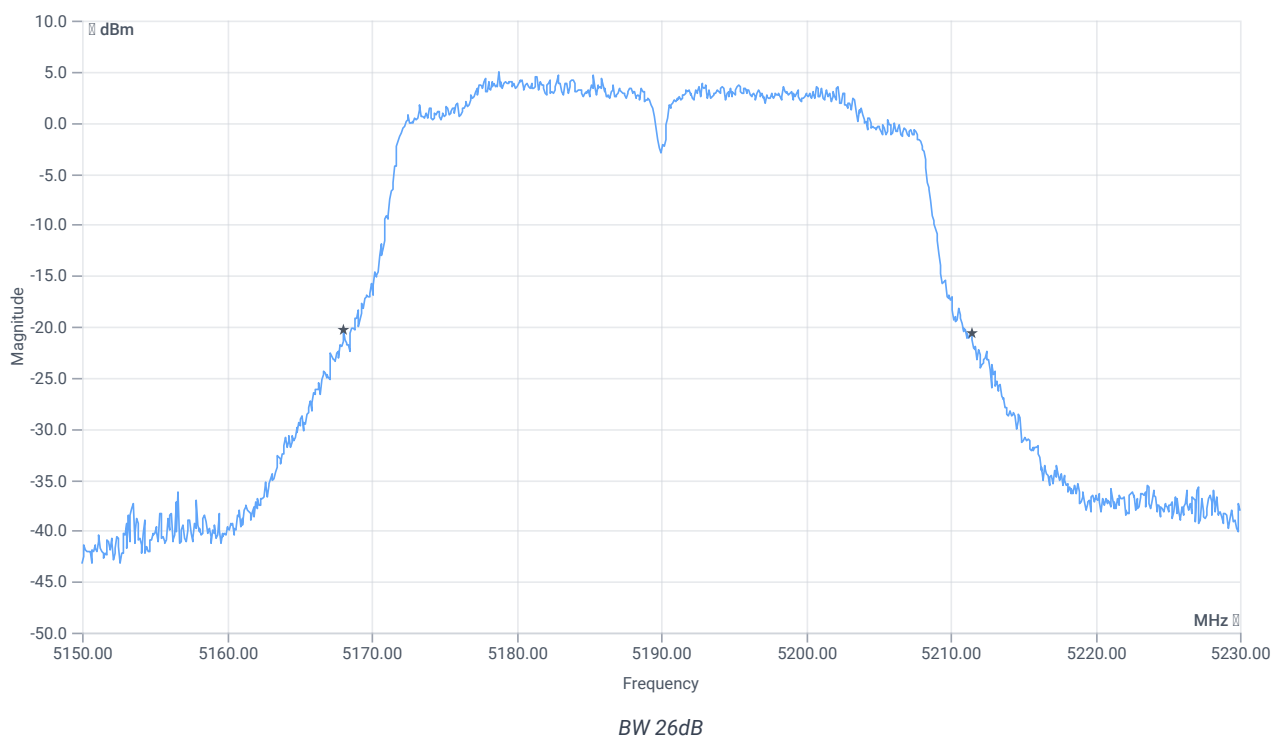
Evaluation max. duty cycle

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	---	---	7.936	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



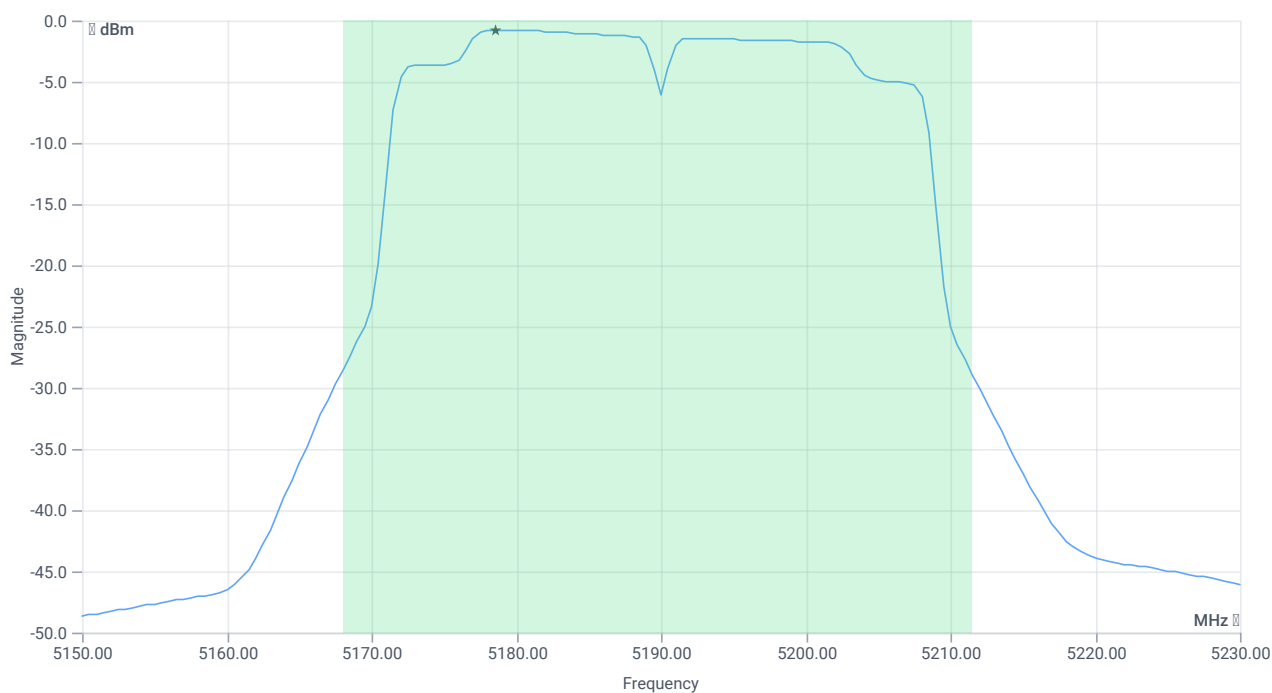
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.36	MHz	INFO
T1 26dB	---	---	5168.0800	MHz	INFO
T2 26dB	---	---	5211.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.19 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.29	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.38	dBm	PASS
LIMIT: 11 dBm + 10 log 43.36					
Max output power DC corrected cond	---	27.37	13.38	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	---	---	-0.76	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-0.67	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	05.05.2026 17:12:05
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 n-HT40 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-HT40 mode
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

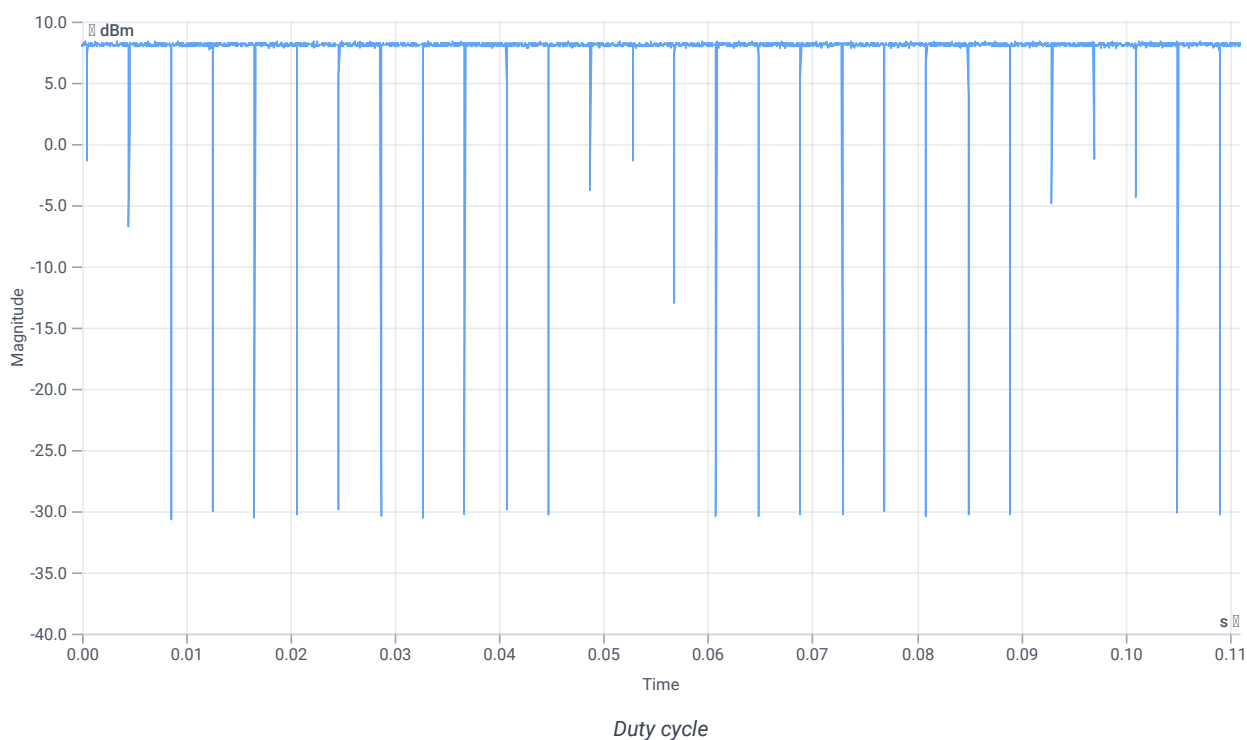
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.81	dBm	INFO
Ref. frequency	---	---	5180.010	MHz	INFO

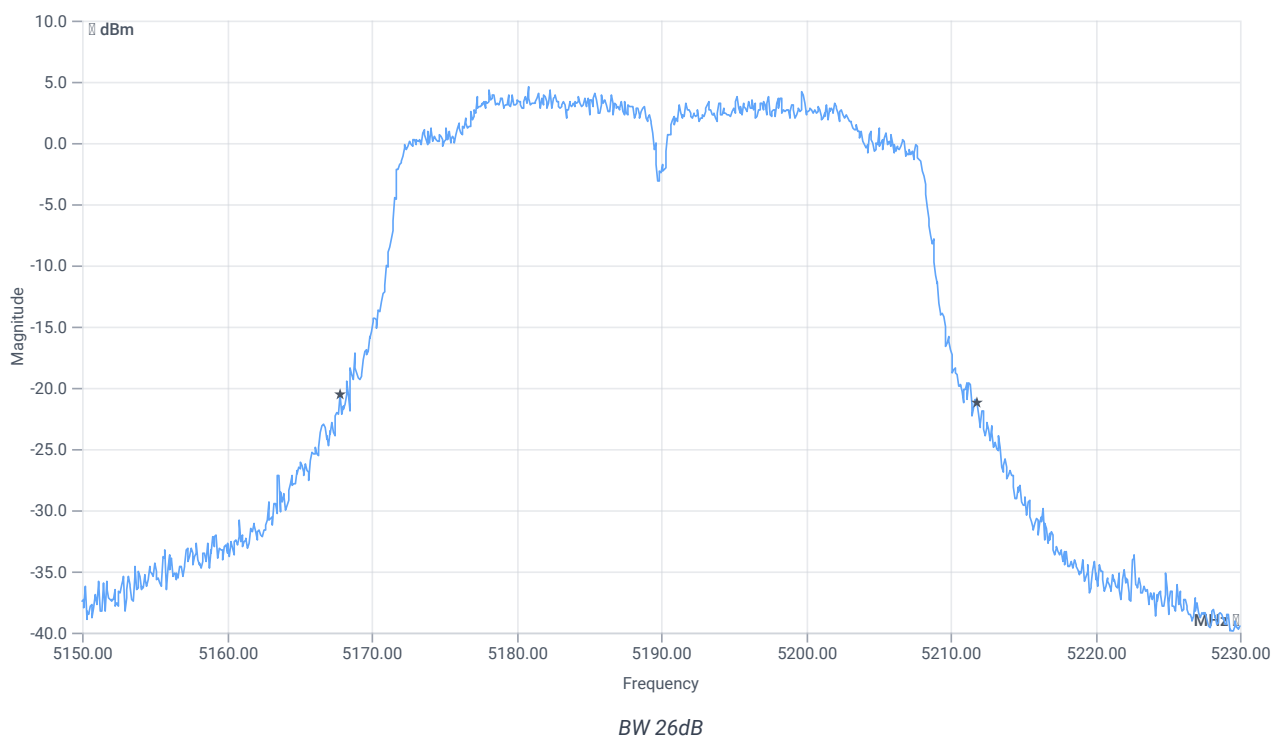
Evaluation max. duty cycle

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



Evaluation bandwidth



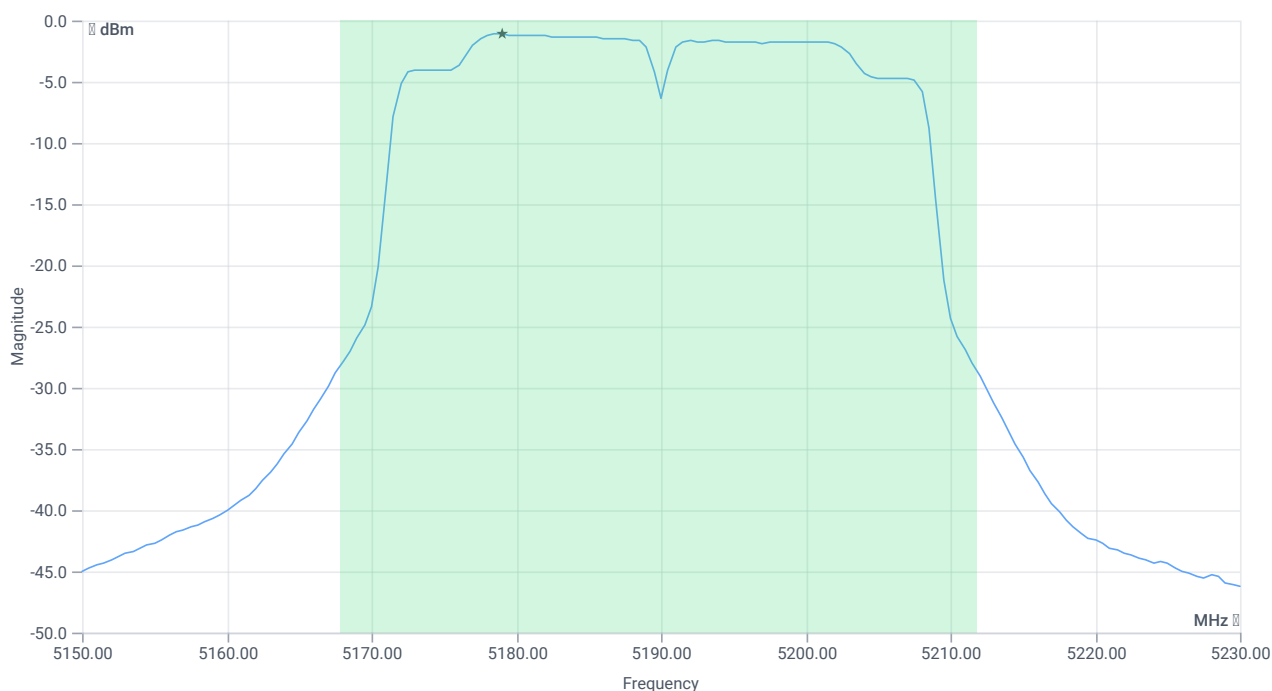
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	44	MHz	INFO
T1 26dB	---	---	5167.8400	MHz	INFO
T2 26dB	---	---	5211.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.81 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	13.07	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.16	dBm	PASS
LIMIT: 11 dBm + 10 log 44					
Max output power DC corrected cond	---	27.43	13.16	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	---	---	-1.08	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	-0.99	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	05.05.2026 17:14:04
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 n-HT40 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-HT40 mode
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

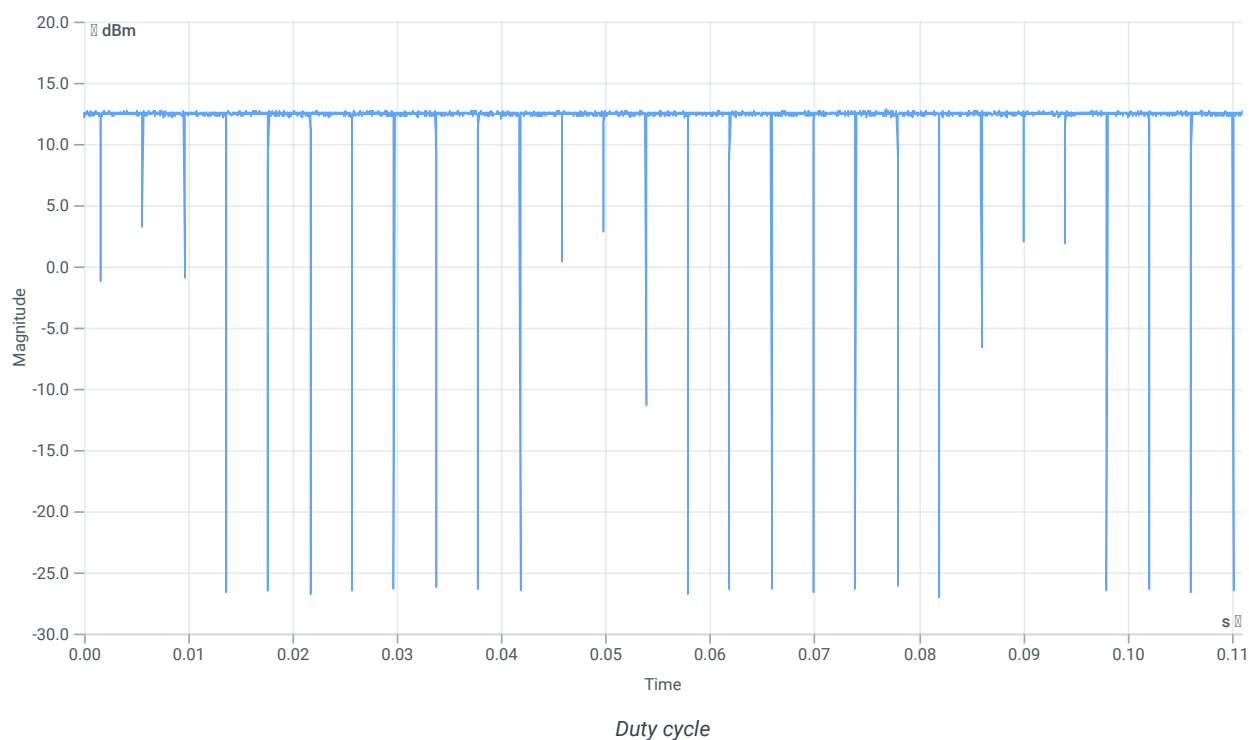
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.50	dBm	INFO
Ref. frequency	---	---	5227.000	MHz	INFO

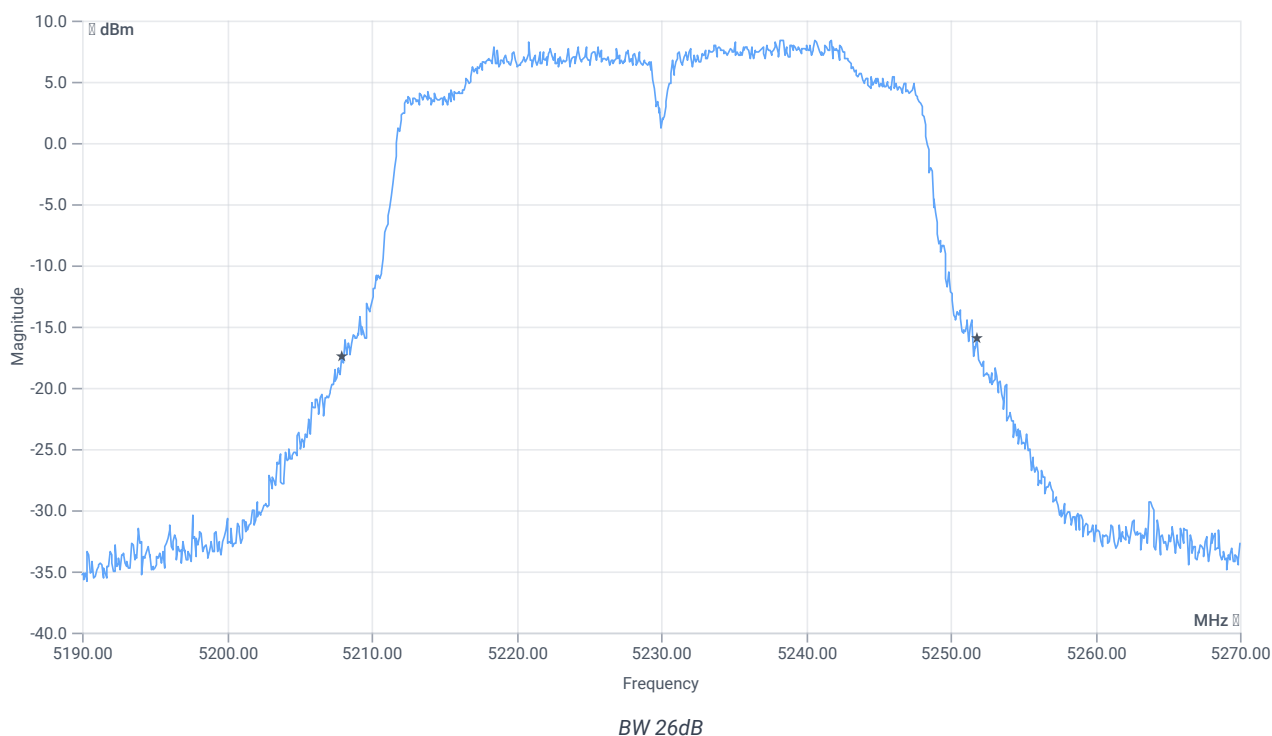
Evaluation max. duty cycle

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	---	---	7.937	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



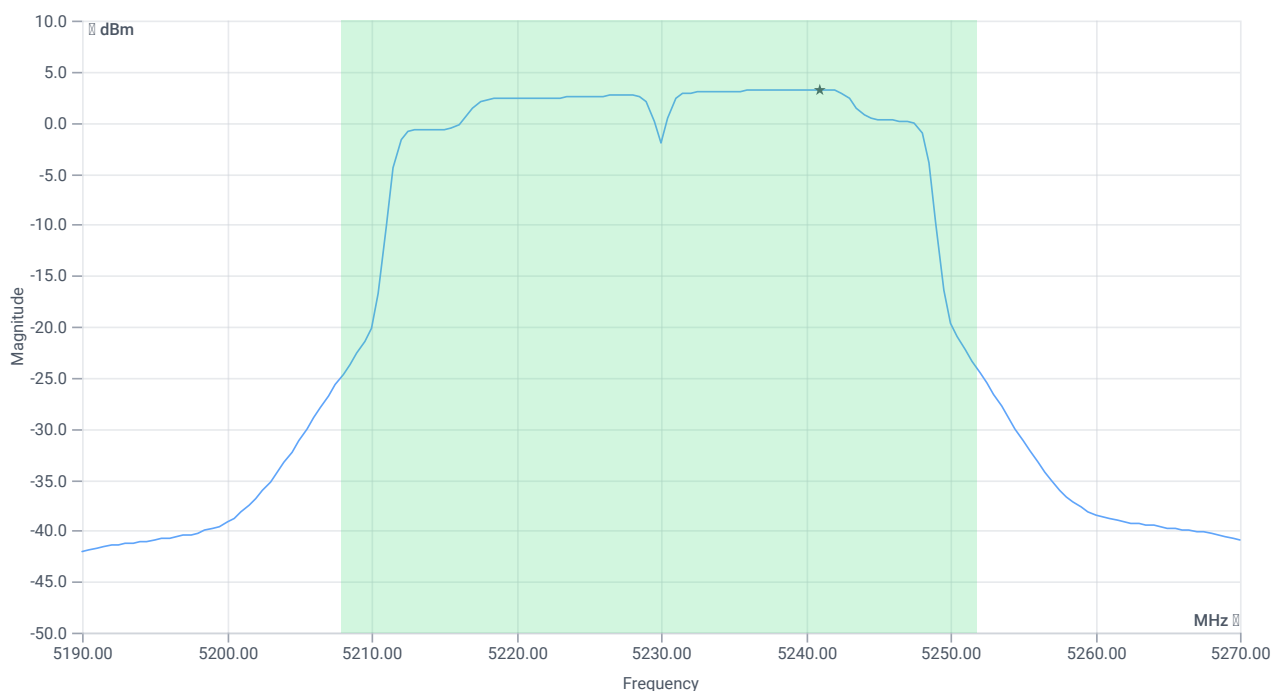
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.92	MHz	INFO
T1 26dB	---	---	5207.9200	MHz	INFO
T2 26dB	---	---	5251.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.50 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.38	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.47	dBm	PASS
LIMIT: 11 dBm + 10 log 43.92					
Max output power DC corrected cond	---	27.43	17.47	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	---	---	3.24	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	3.33	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	05.05.2026 17:15:56
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 n-HT40 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-HT40 mode
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

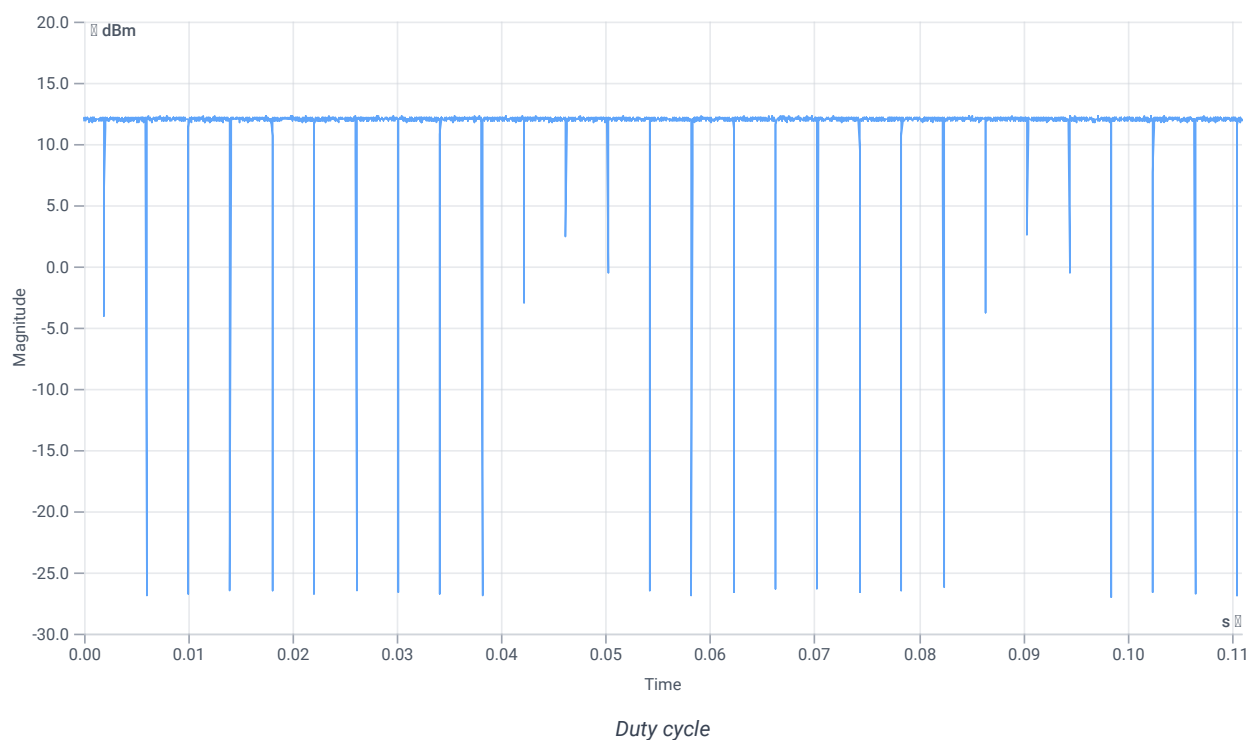
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.27	dBm	INFO
Ref. frequency	---	---	5238.790	MHz	INFO

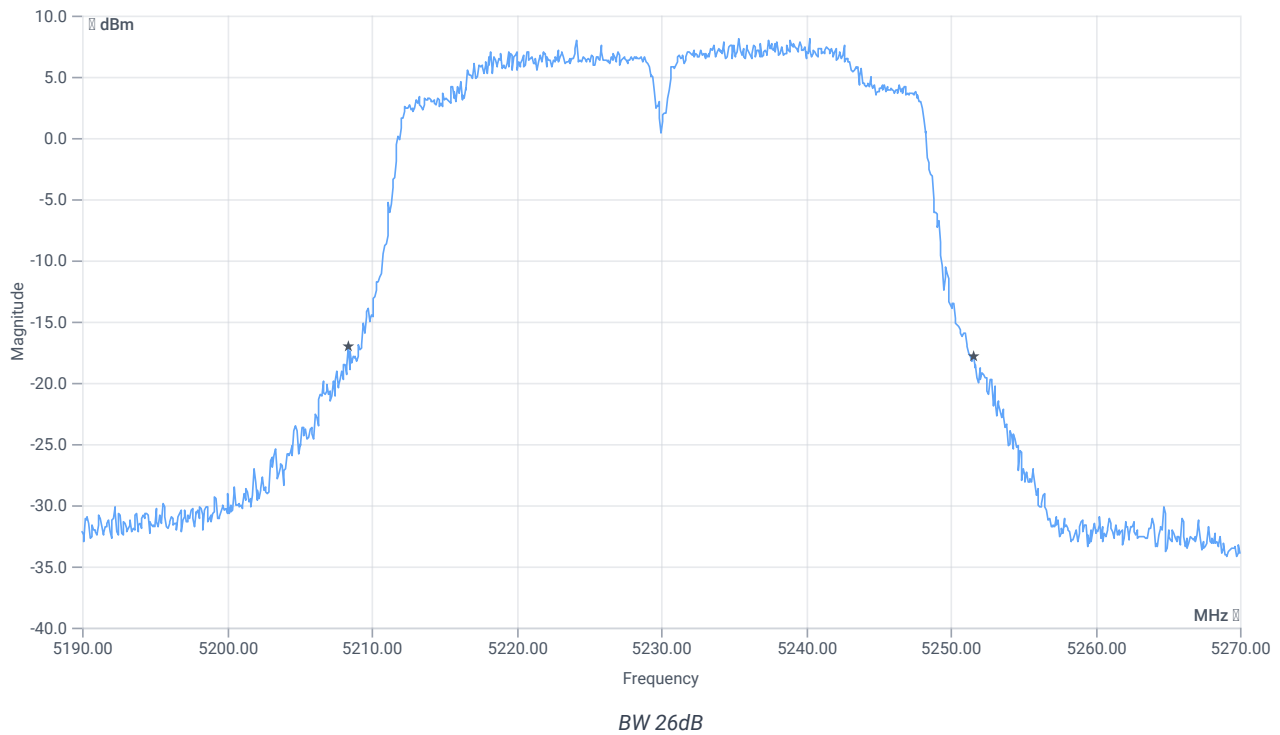
Evaluation max. duty cycle

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



Evaluation bandwidth



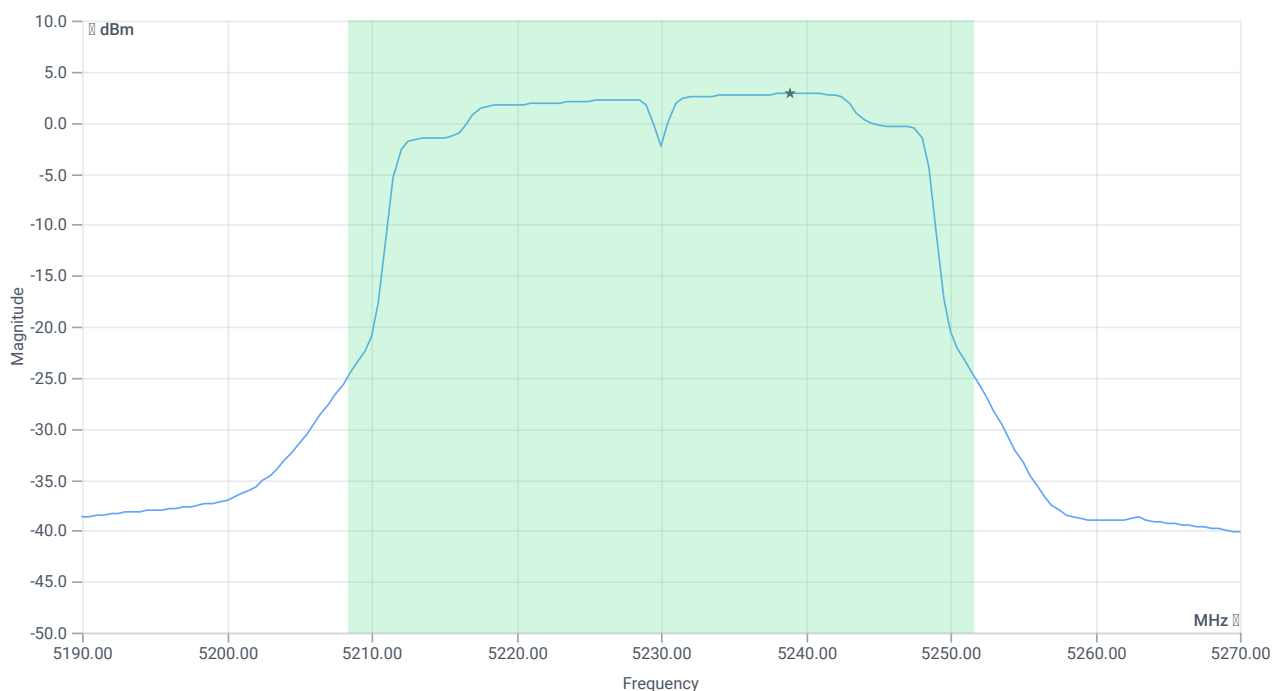
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.2	MHz	INFO
T1 26dB	---	---	5208.4000	MHz	INFO
T2 26dB	---	---	5251.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.27 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.89	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.98	dBm	PASS
LIMIT: 11 dBm + 10 log 43.2					
Max output power DC corrected cond	---	27.35	16.98	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	---	---	2.81	dBm/1MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	11	2.9	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	07.05.2026 14:53:23
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-HT40 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-HT40 mode
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

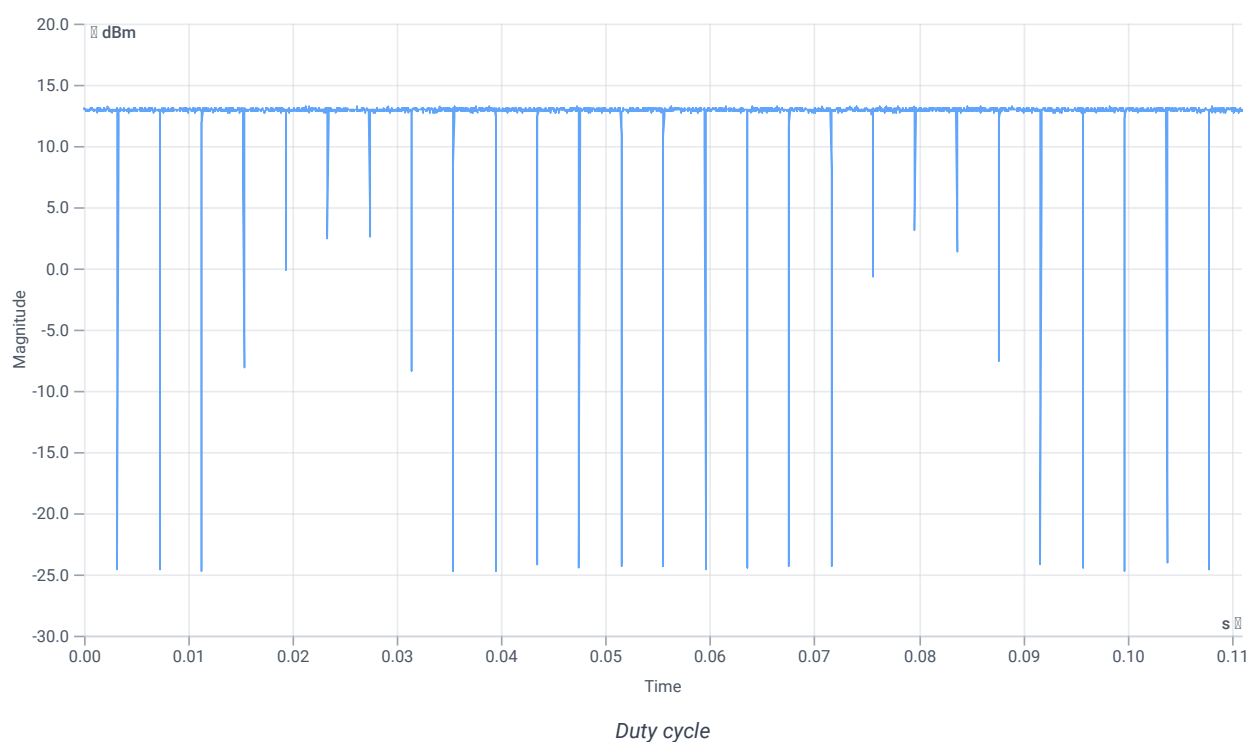
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.93	dBm	INFO
Ref. frequency	---	---	5765.790	MHz	INFO

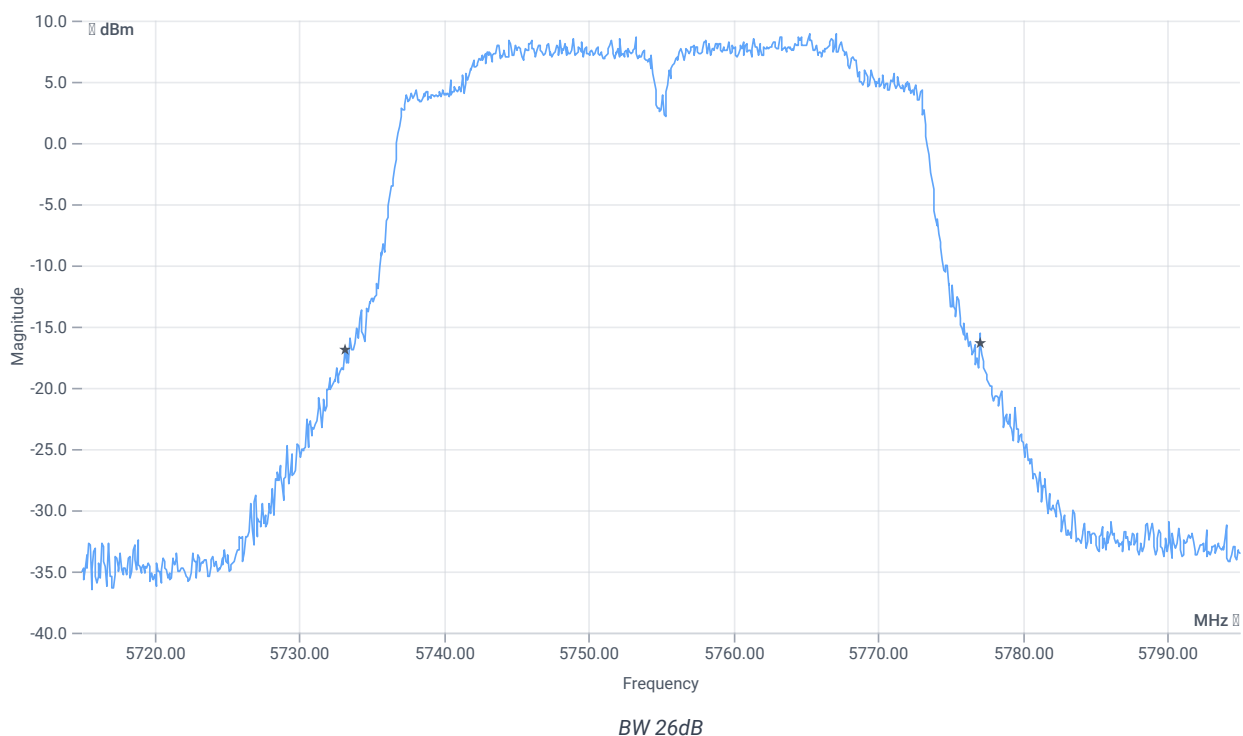
Evaluation max. duty cycle

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	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



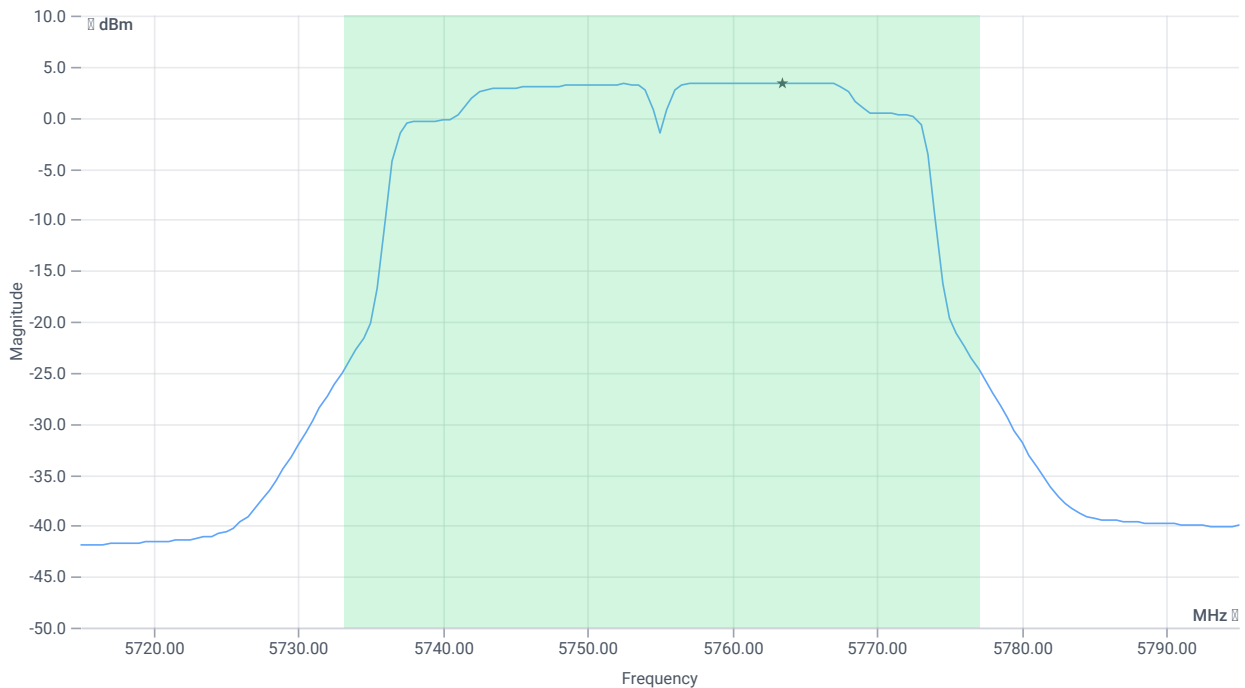
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.92	MHz	INFO
T1 26dB	---	---	5733.1600	MHz	INFO
T2 26dB	---	---	5777.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.93 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

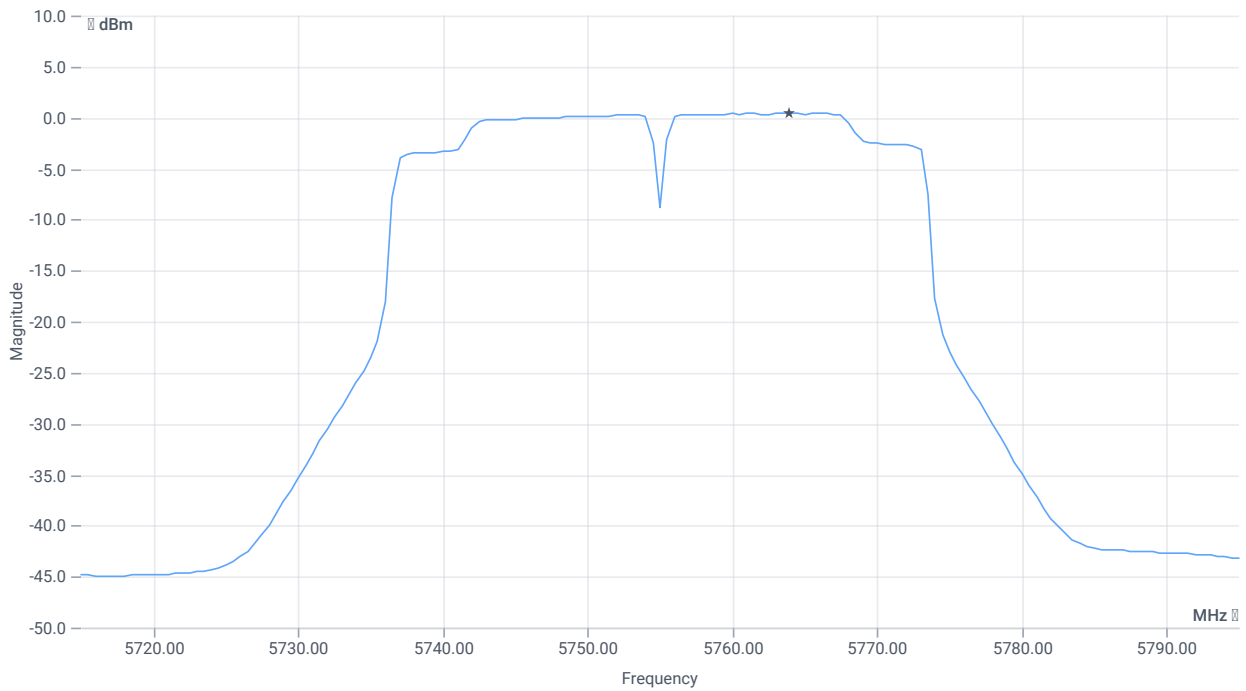
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.77	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.86	dBm	PASS
LIMIT: 11 dBm + 10 log 43.92					
Max output power DC corrected cond	---	27.43	17.86	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.93 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	---	---	0.4	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	0.49	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	07.05.2026 14:56:19
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 n-HT40 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-HT40 mode
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

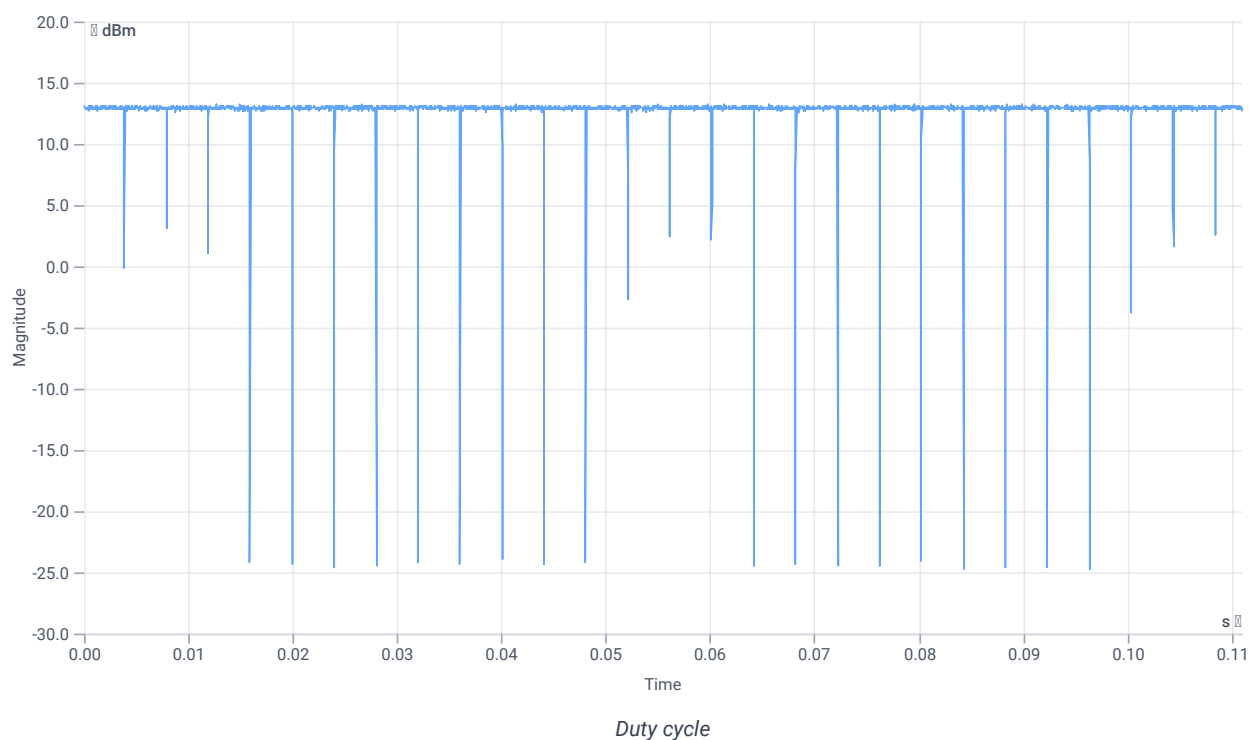
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.03	dBm	INFO
Ref. frequency	---	---	5764.990	MHz	INFO

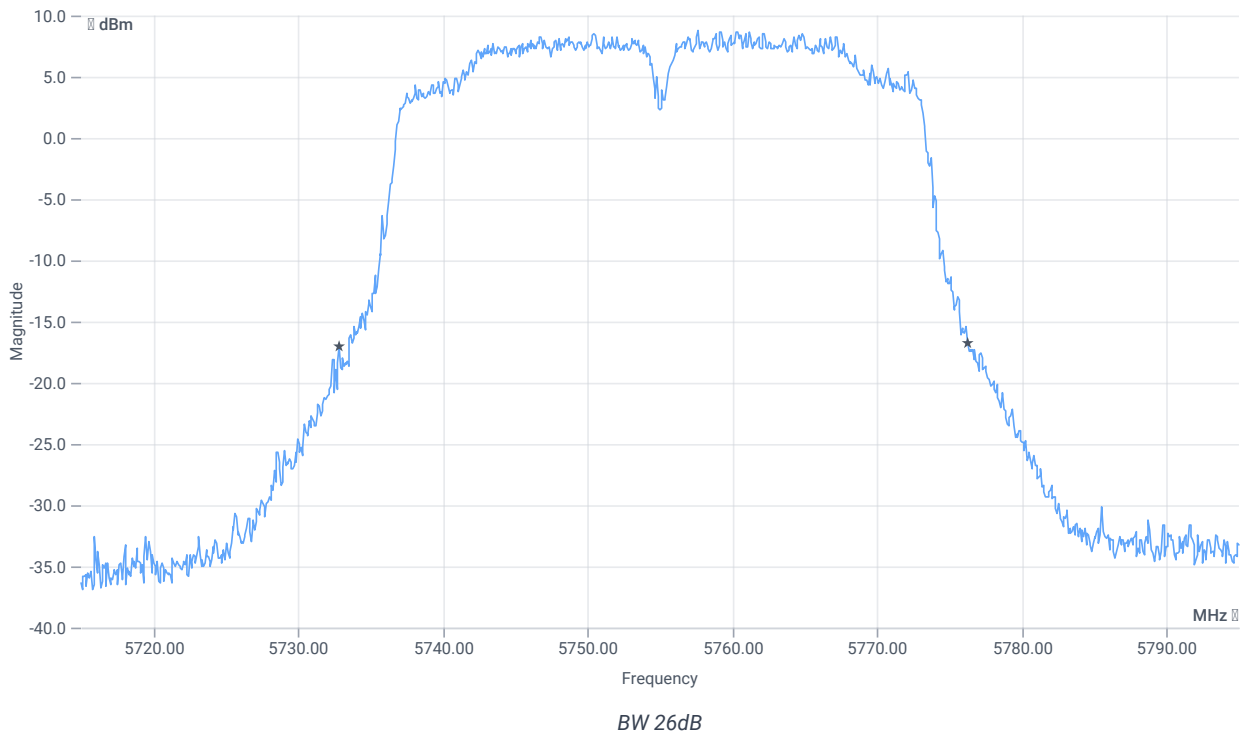
Evaluation max. duty cycle

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



Evaluation bandwidth



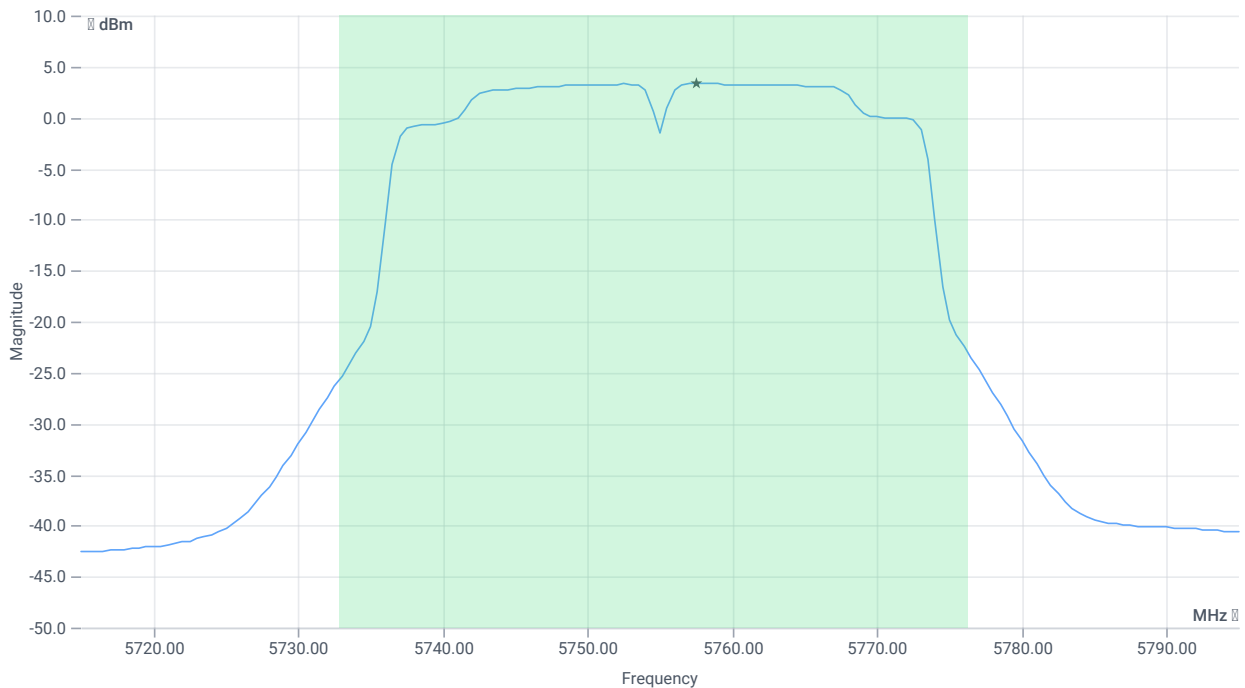
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.44	MHz	INFO
T1 26dB	---	---	5732.8400	MHz	INFO
T2 26dB	---	---	5776.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.03 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

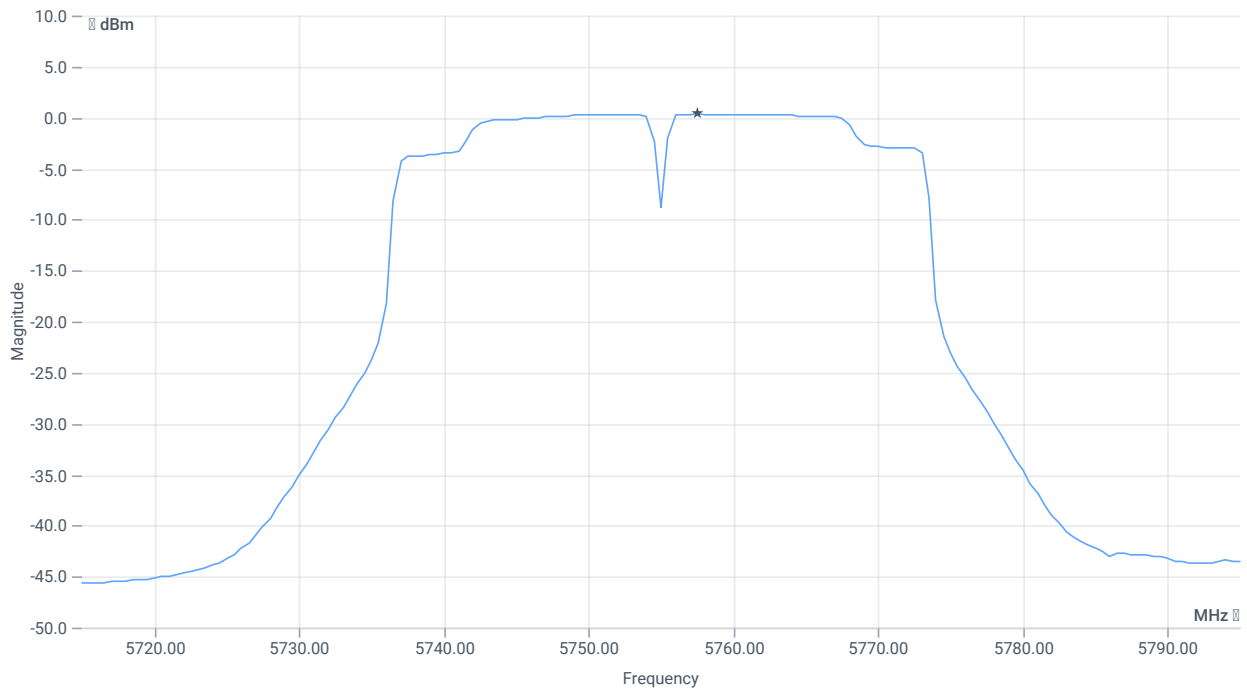
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.62	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.71	dBm	PASS
LIMIT: 11 dBm + 10 log 43.44					
Max output power DC corrected cond	---	27.38	17.71	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.03 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.36	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	0.45	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	07.05.2026 14:59:17
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 n-HT40 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-HT40 mode
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

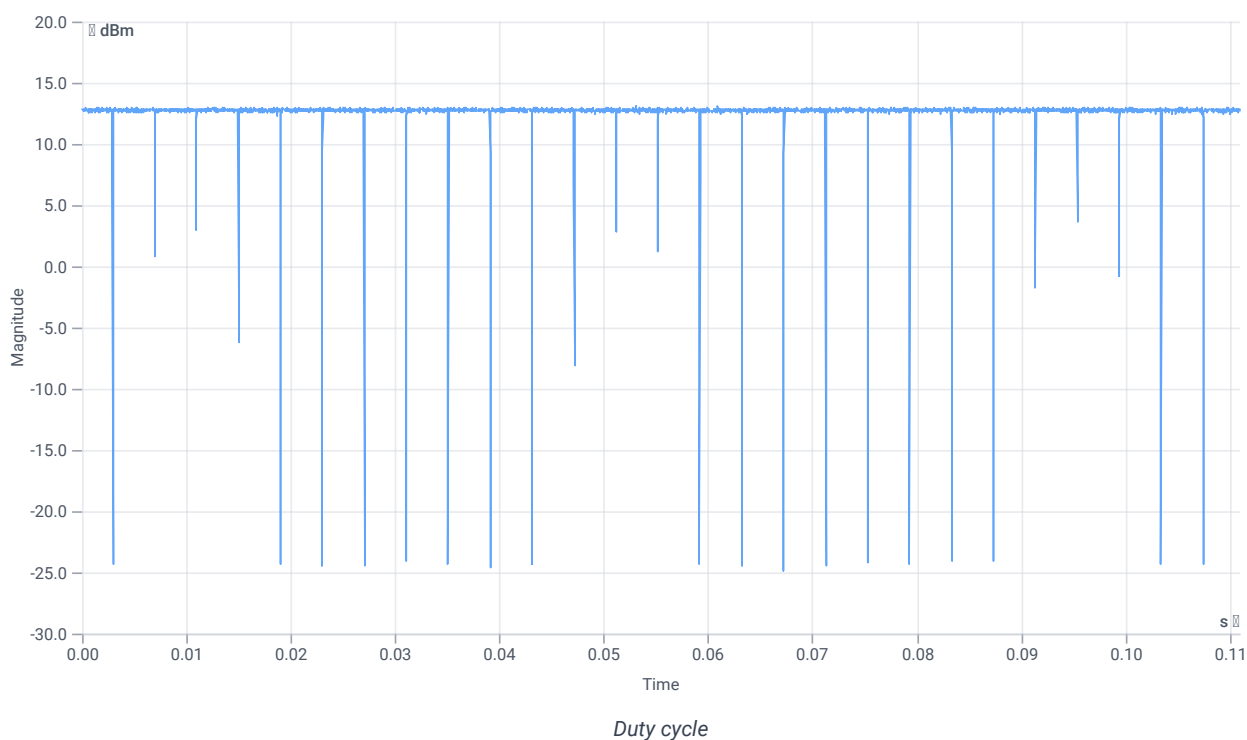
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.65	dBm	INFO
Ref. frequency	---	---	5785.410	MHz	INFO

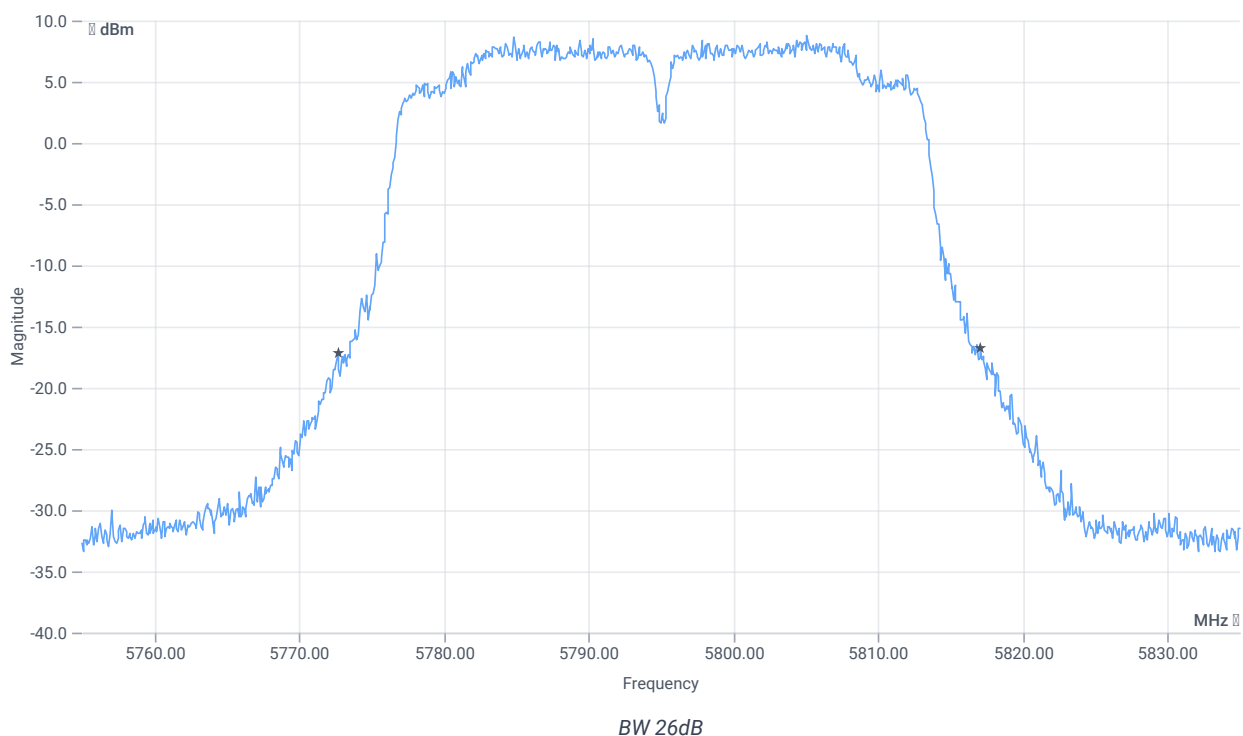
Evaluation max. duty cycle

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



Evaluation bandwidth



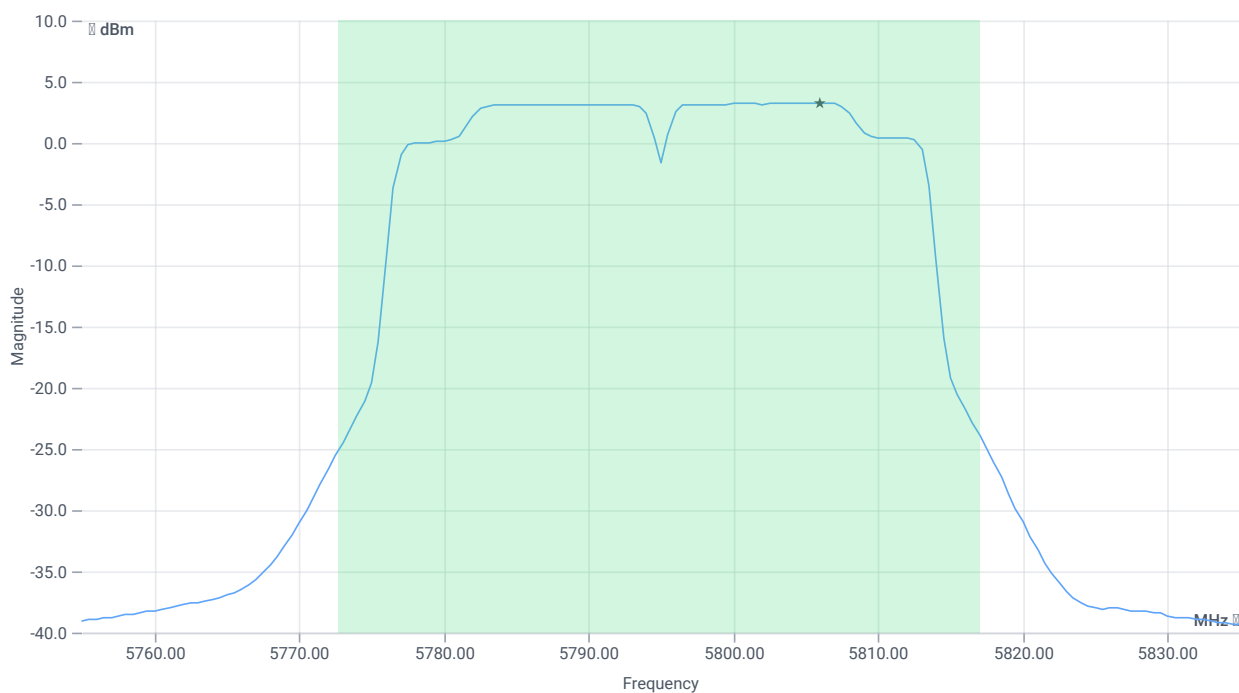
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	44.4	MHz	INFO
T1 26dB	---	---	5772.6800	MHz	INFO
T2 26dB	---	---	5817.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.65 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



RESULT

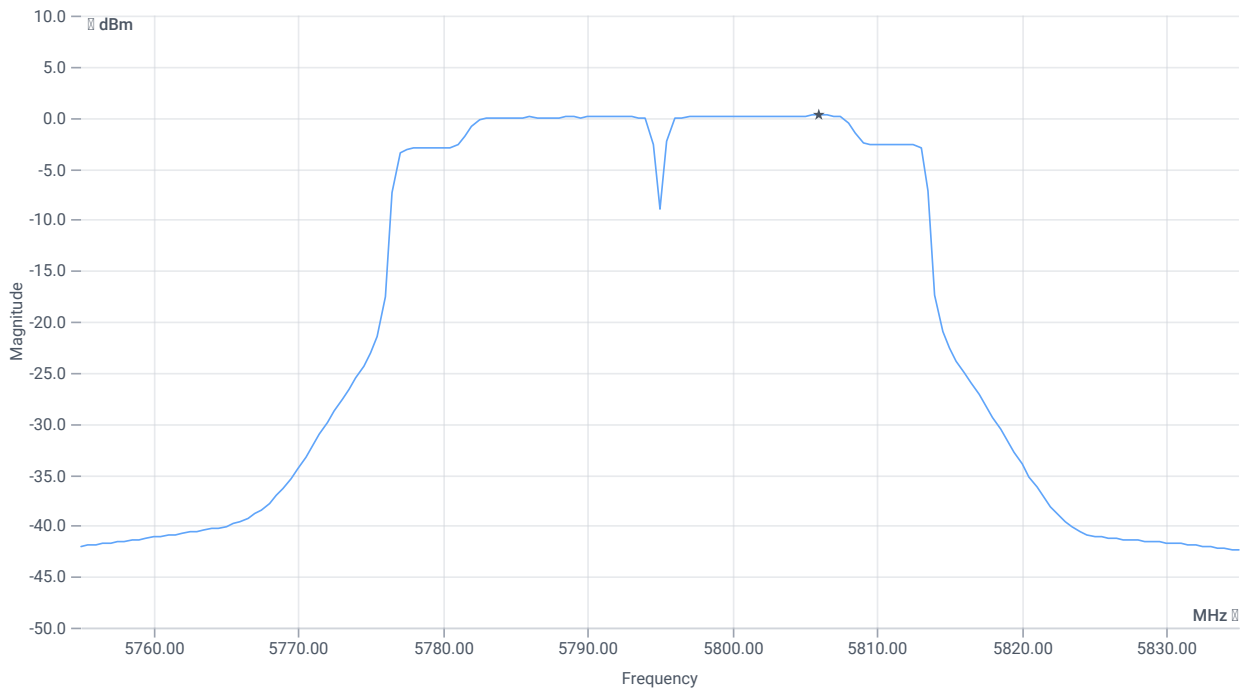
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.74	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.83	dBm	PASS
LIMIT: 11 dBm + 10 log 44.4					
Max output power DC corrected cond	---	27.47	17.83	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.65 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	---	---	0.21	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	0.3	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	07.05.2026 15:02:09
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 n-HT40 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-HT40 mode
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

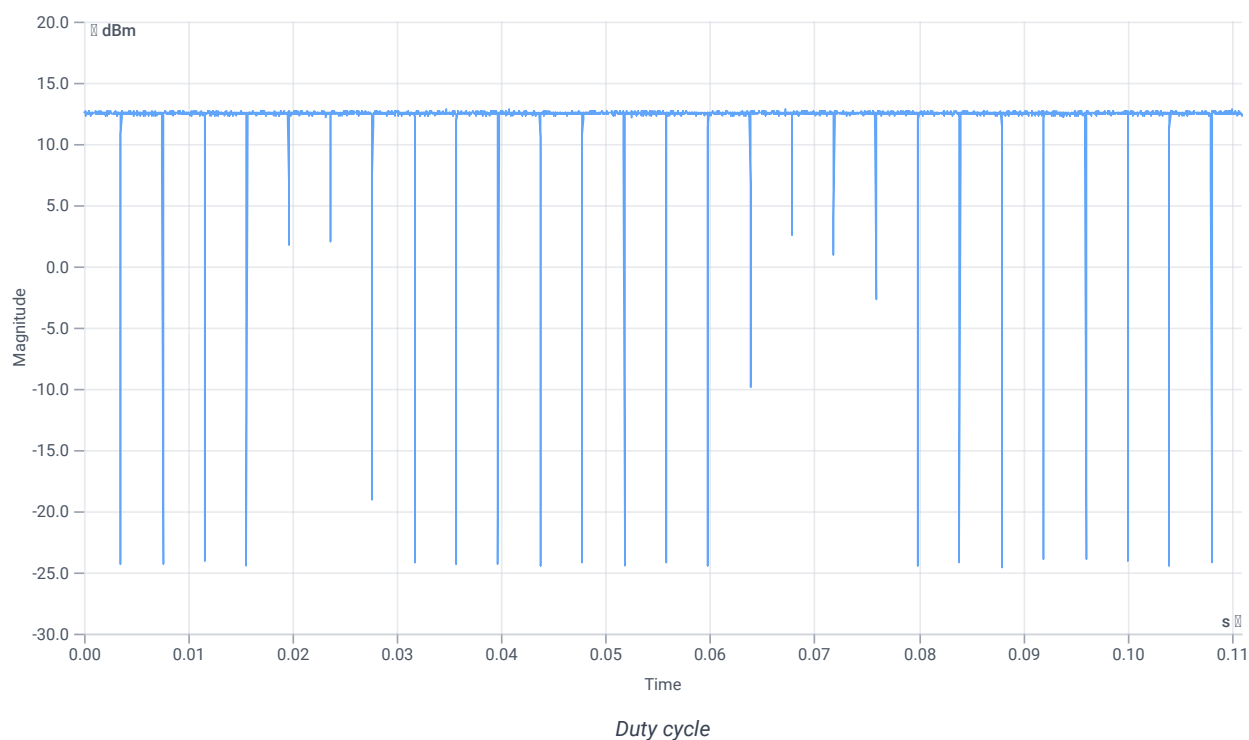
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.56	dBm	INFO
Ref. frequency	---	---	5803.790	MHz	INFO

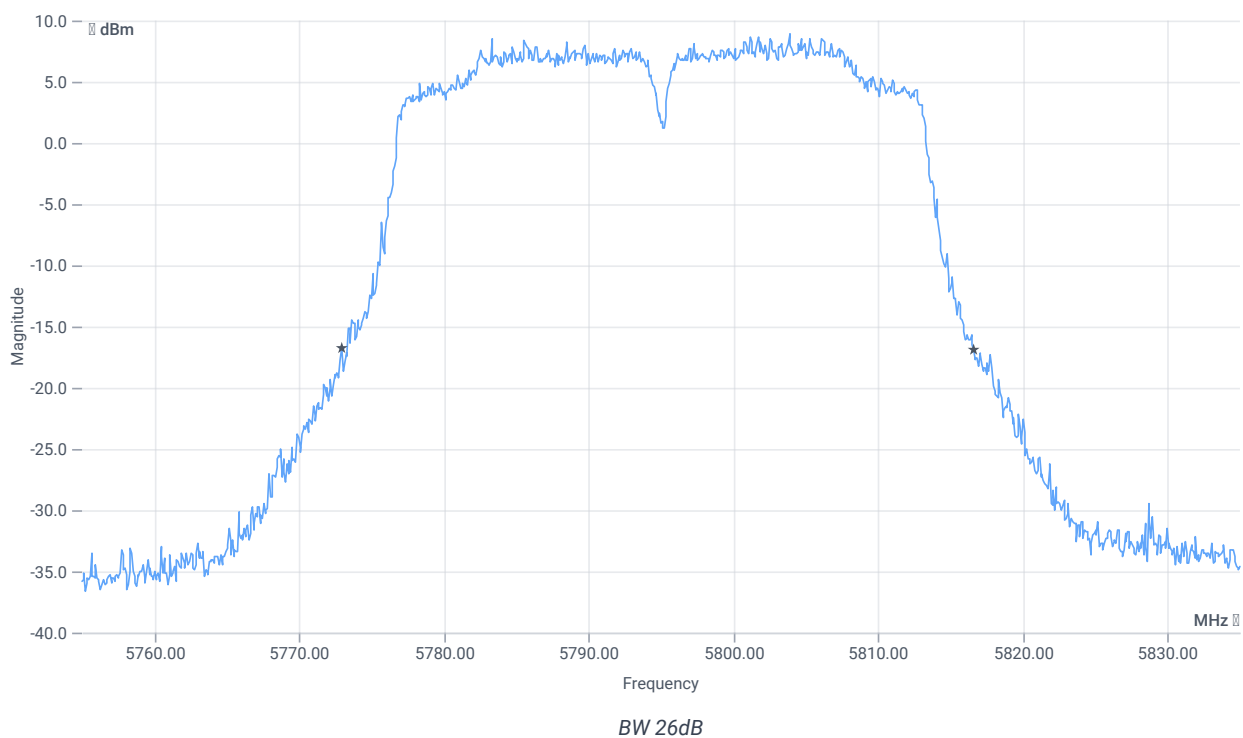
Evaluation max. duty cycle

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	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



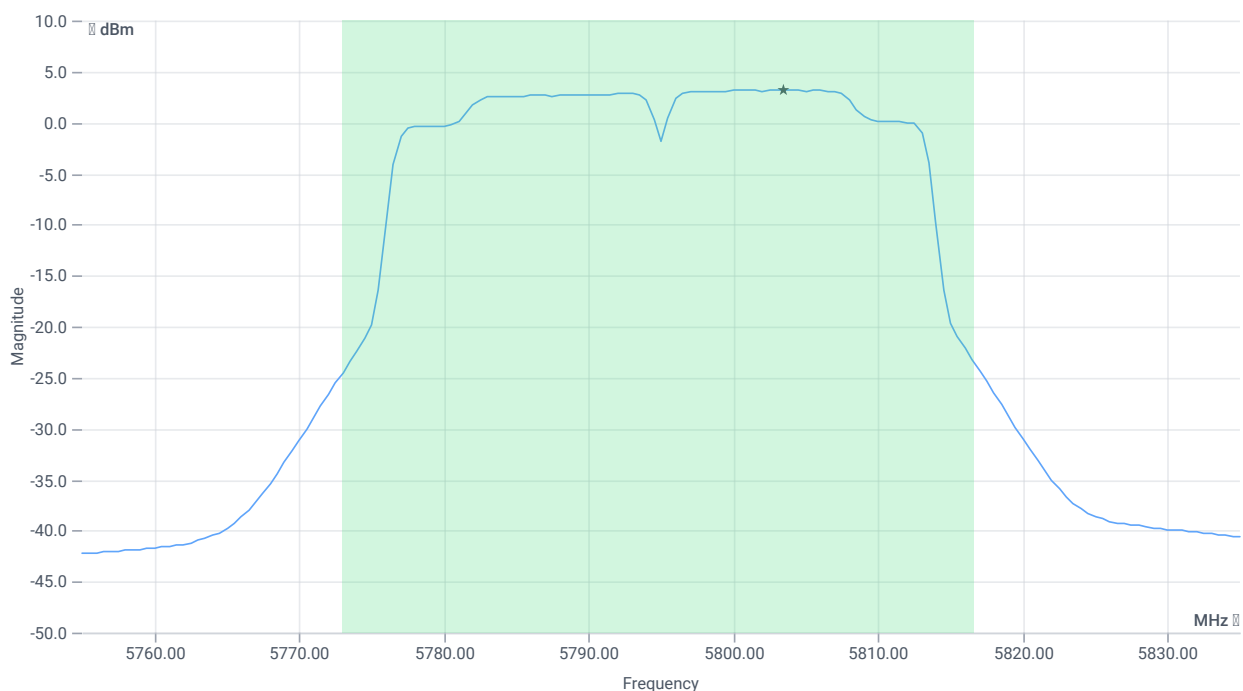
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.68	MHz	INFO
T1 26dB	---	---	5772.9200	MHz	INFO
T2 26dB	---	---	5816.6000	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

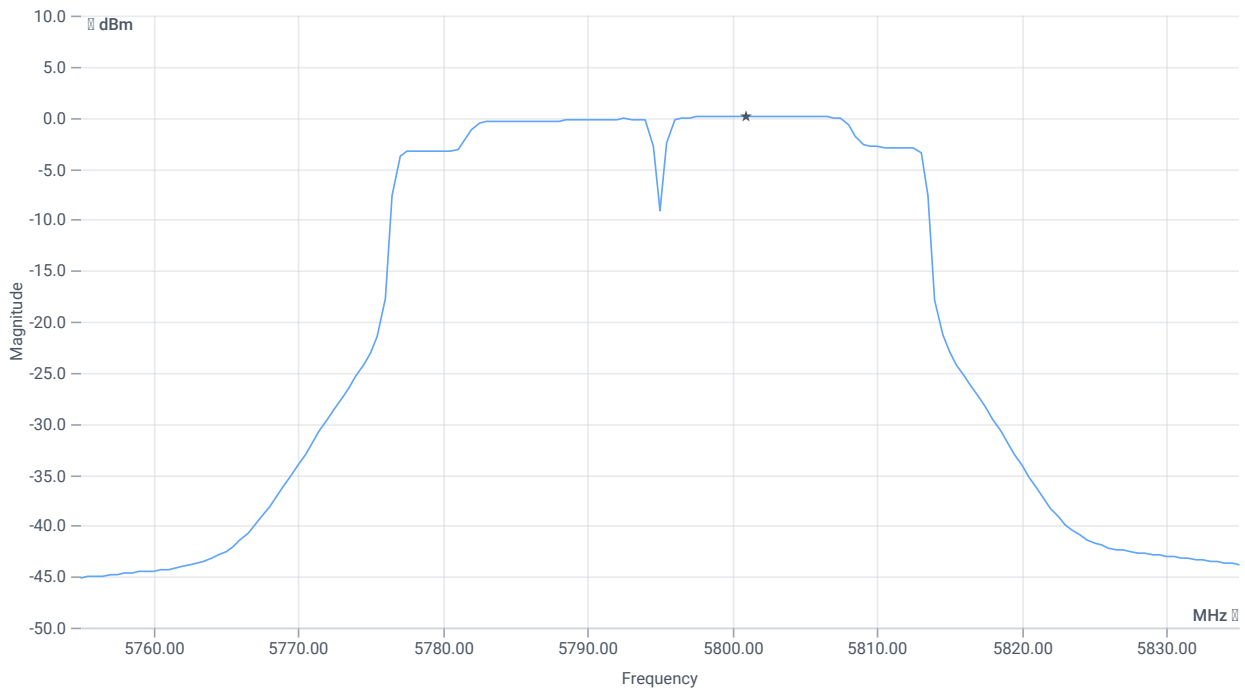
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	17.46	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.55	dBm	PASS
LIMIT: 11 dBm + 10 log 43.68					
Max output power DC corrected cond	---	27.4	17.55	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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.15	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.09	dB	INFO
Power spectral density DC corrected cond	---	30	0.24	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	06.05.2026 13:44:52
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-HT40 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-HT40 mode
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

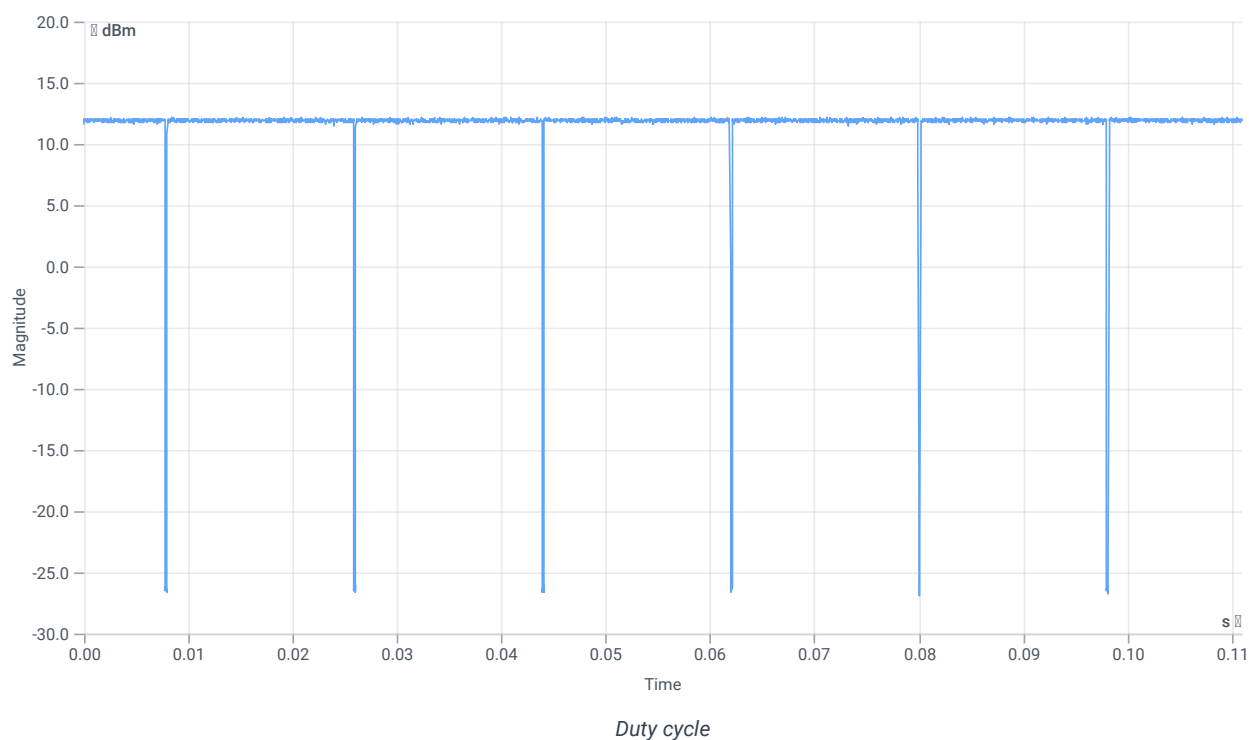
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.69	dBm	INFO
Ref. frequency	---	---	5260.010	MHz	INFO

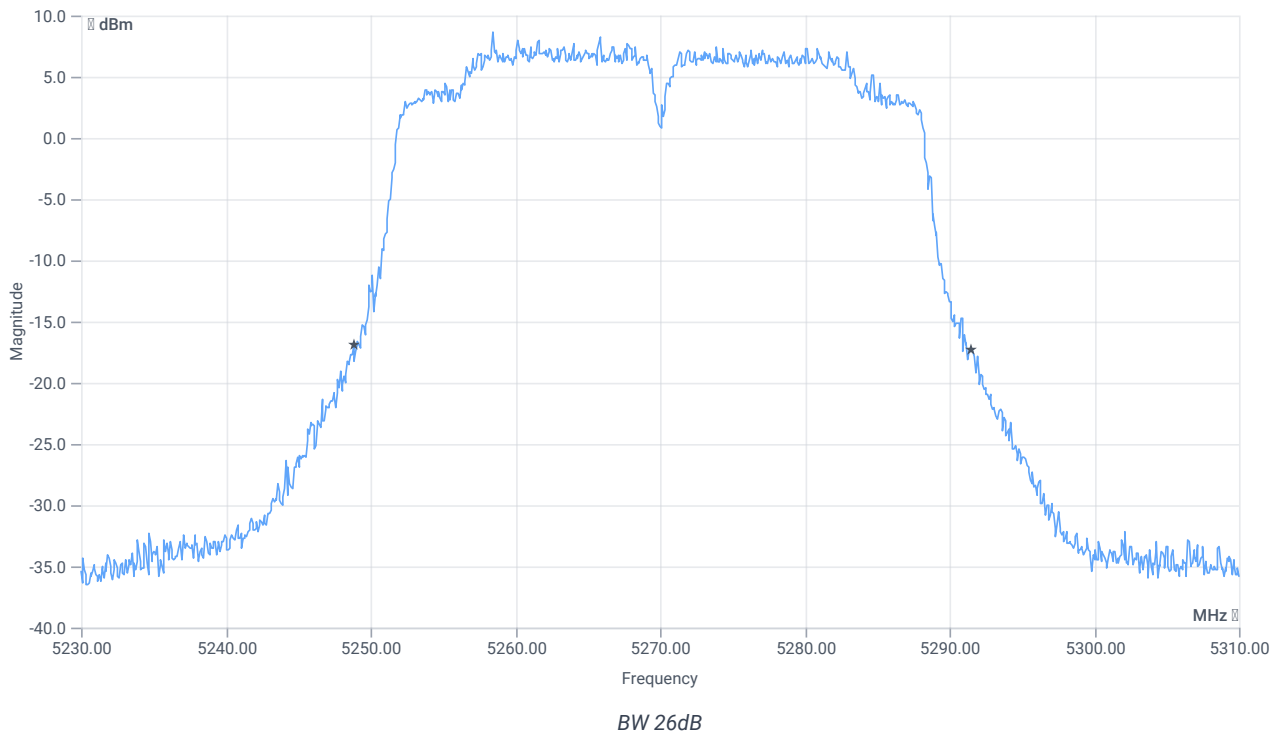
Evaluation max. duty cycle

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	---	---	0.986	---	INFO
Duty cycle min	---	---	0.061	dB	INFO
Max TX burst length	---	---	17.816	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.72	MHz	INFO
T1 26dB	---	---	5248.8000	MHz	INFO
T2 26dB	---	---	5291.5200	MHz	INFO

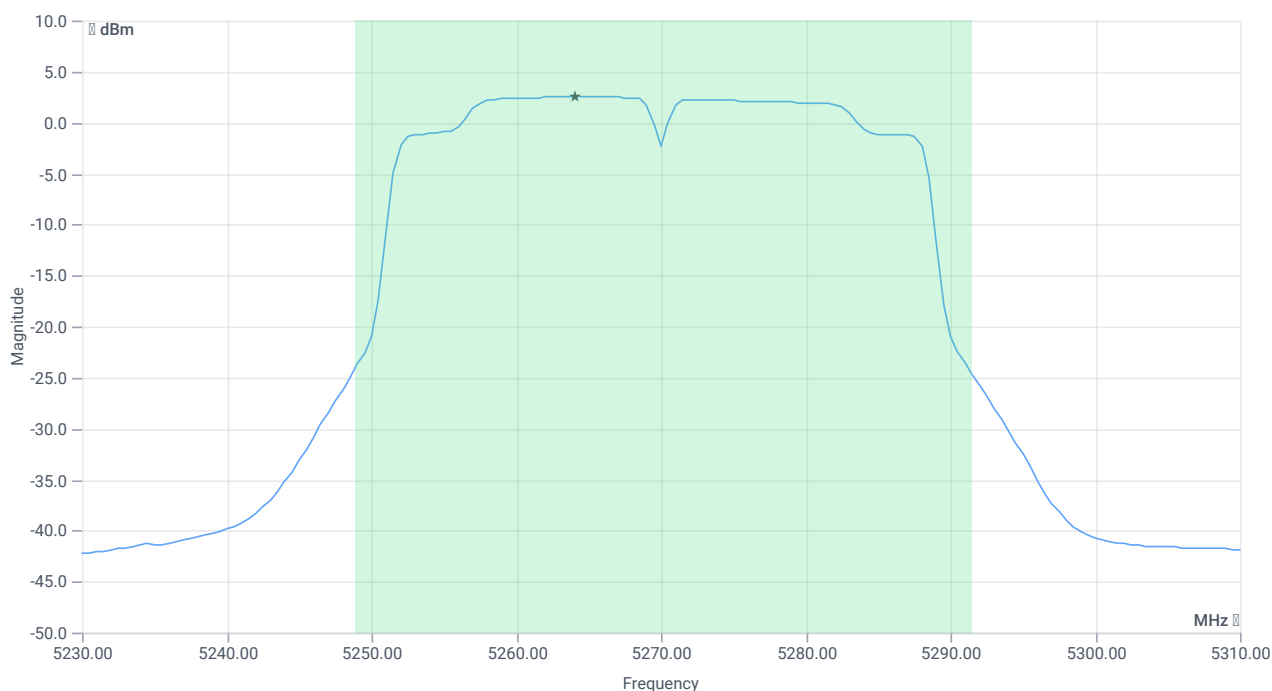
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.69 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	---	---	16.76	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.82	dBm	PASS
LIMIT: 11 dBm + 10 log 42.72					
Max output power DC corrected cond	---	27.31	16.82	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.82	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	---	---	2.51	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	2.57	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	06.05.2026 13:46:41
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-HT40 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-HT40 mode
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

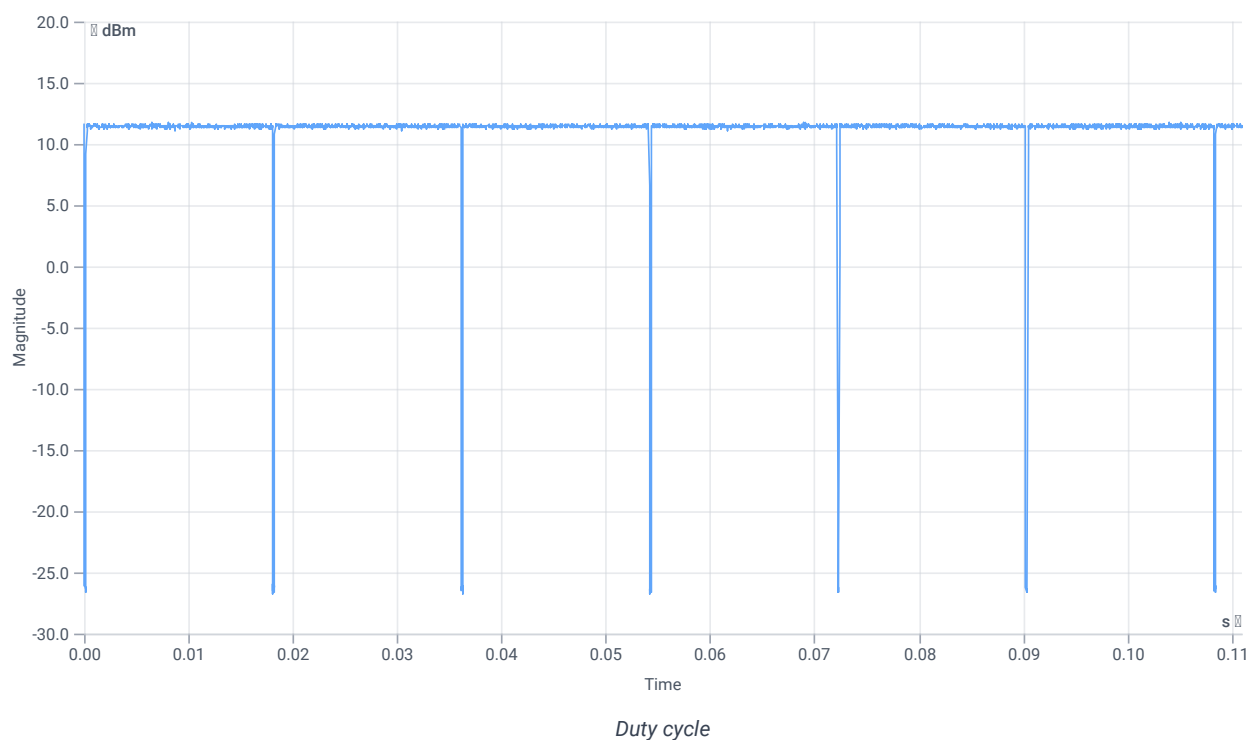
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.71	dBm	INFO
Ref. frequency	---	---	5260.410	MHz	INFO

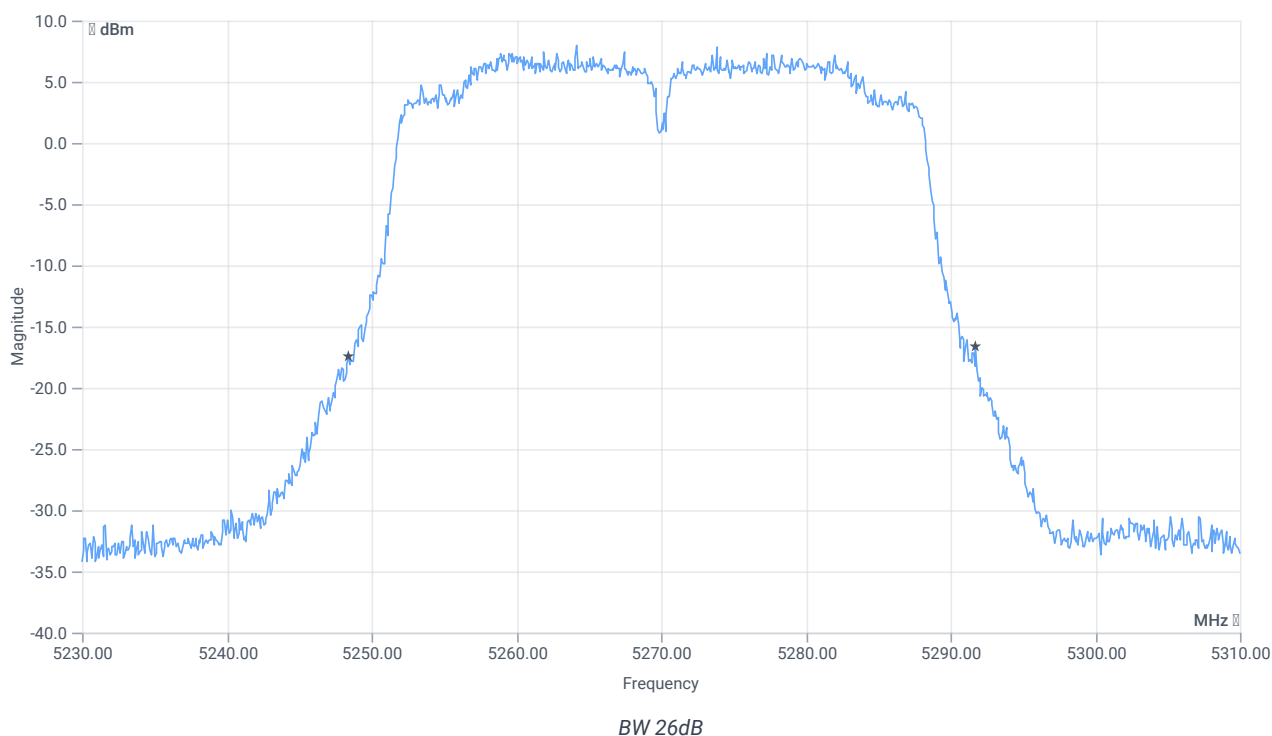
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 6					
Duty cycle (burst Ratio) max	---	---	0.988	---	INFO
Duty cycle max	---	---	0.052	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.986	---	INFO
Duty cycle min	---	---	0.061	dB	INFO
Max TX burst length	---	---	17.816	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.36	MHz	INFO
T1 26dB	---	---	5248.4000	MHz	INFO
T2 26dB	---	---	5291.7600	MHz	INFO

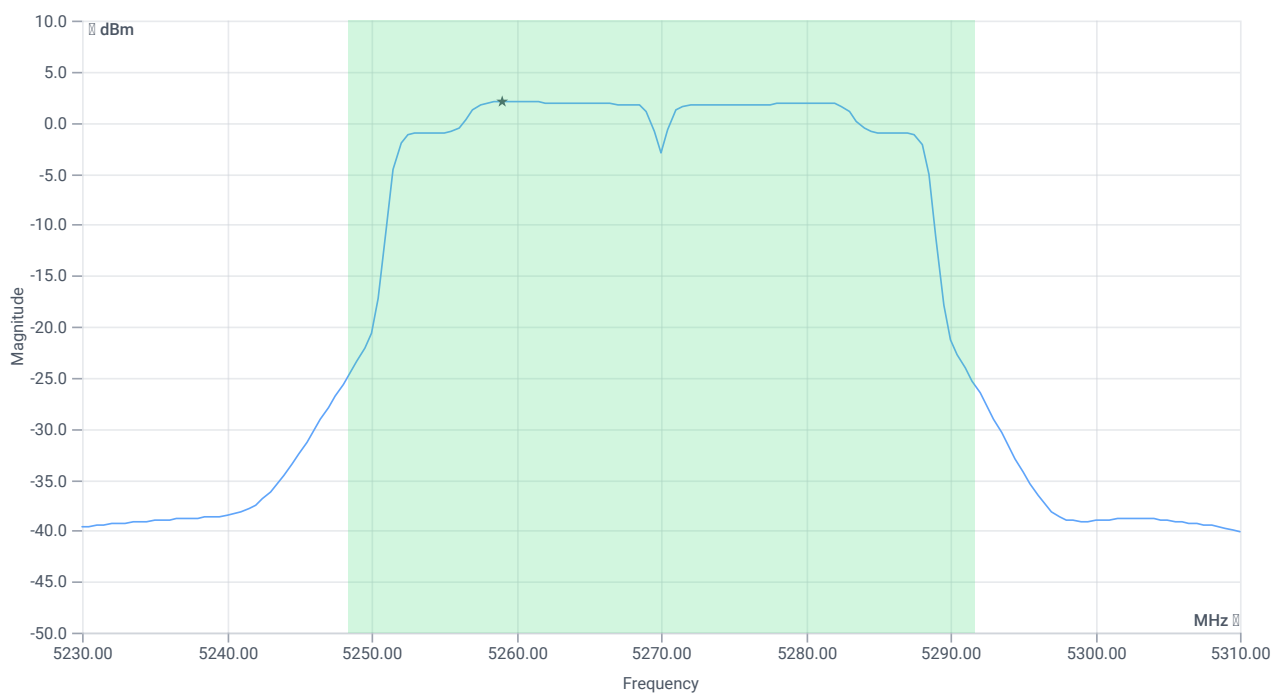
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.71 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.45	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.51	dBm	PASS
LIMIT: 11 dBm + 10 log 43.36					
Max output power DC corrected cond	---	27.37	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	---	---	2.01	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	2.07	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	06.05.2026 13:48:36
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-HT40 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-HT40 mode
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

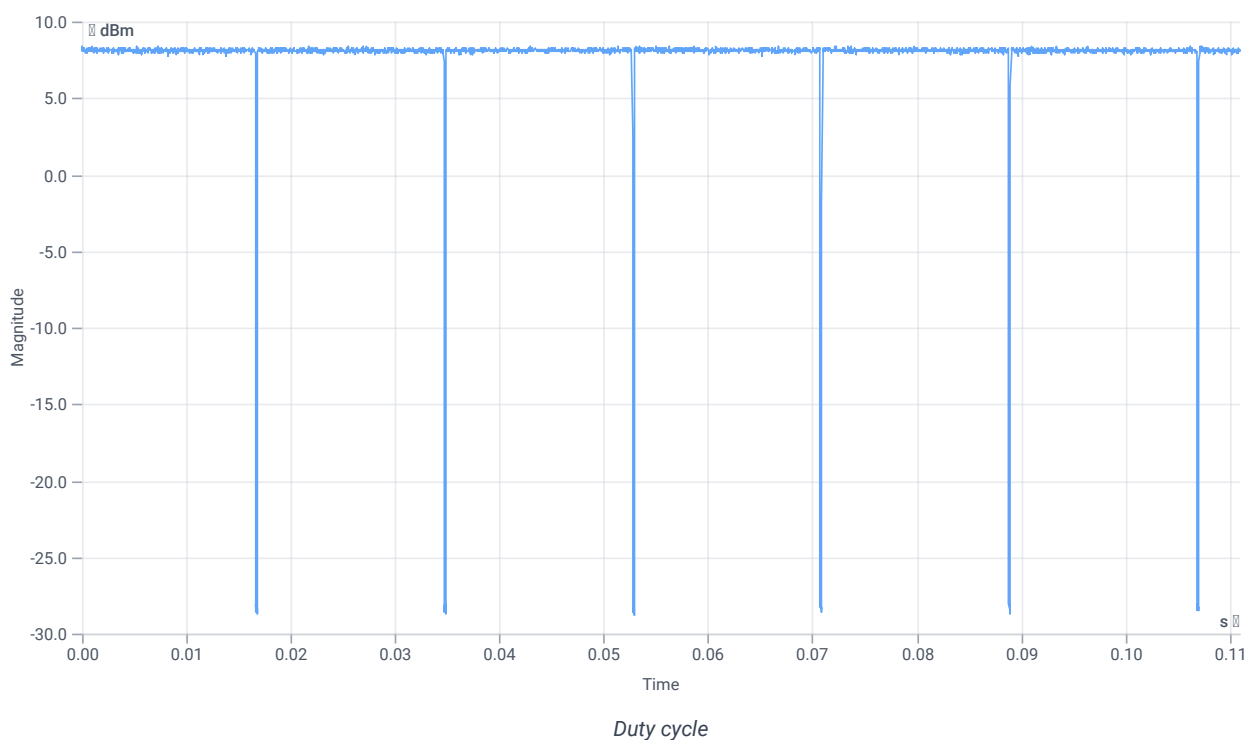
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.75	dBm	INFO
Ref. frequency	---	---	5318.990	MHz	INFO

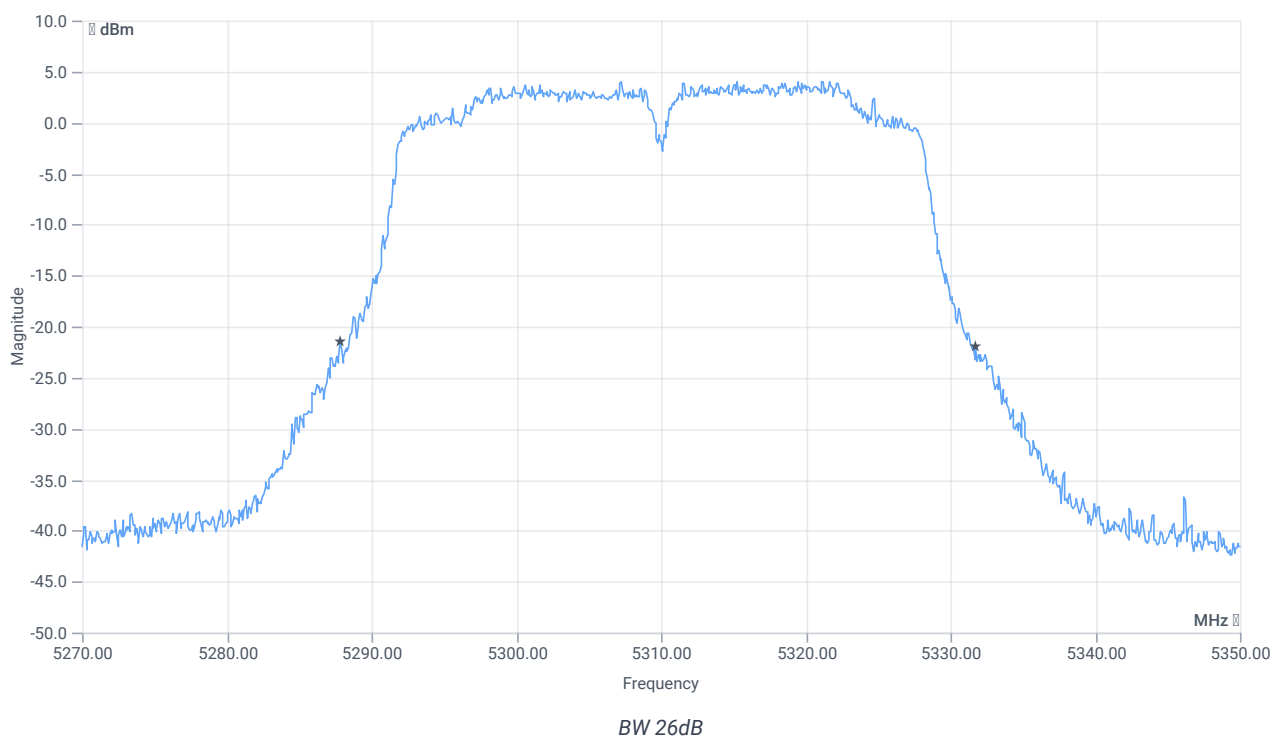
Evaluation max. duty cycle

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	---	---	0.986	---	INFO
Duty cycle min	---	---	0.061	dB	INFO
Max TX burst length	---	---	17.816	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.92	MHz	INFO
T1 26dB	---	---	5287.8400	MHz	INFO
T2 26dB	---	---	5331.7600	MHz	INFO

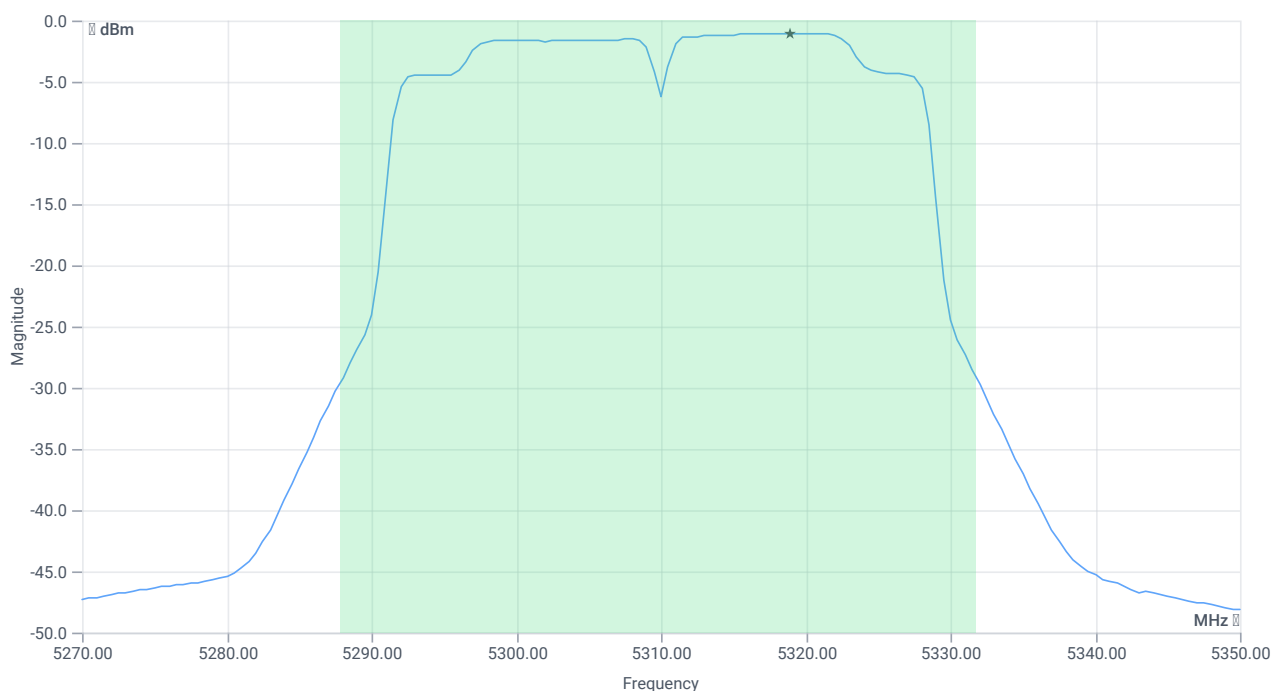
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz
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READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.75 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	---	---	13.18	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.24	dBm	PASS
LIMIT: 11 dBm + 10 log 43.92					
Max output power DC corrected cond	---	27.43	13.24	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.24	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	---	---	-1.06	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	dBm/1MHz	PASS
--	----	----	----	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	06.05.2026 13:50:29
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 n-HT40 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-HT40 mode
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

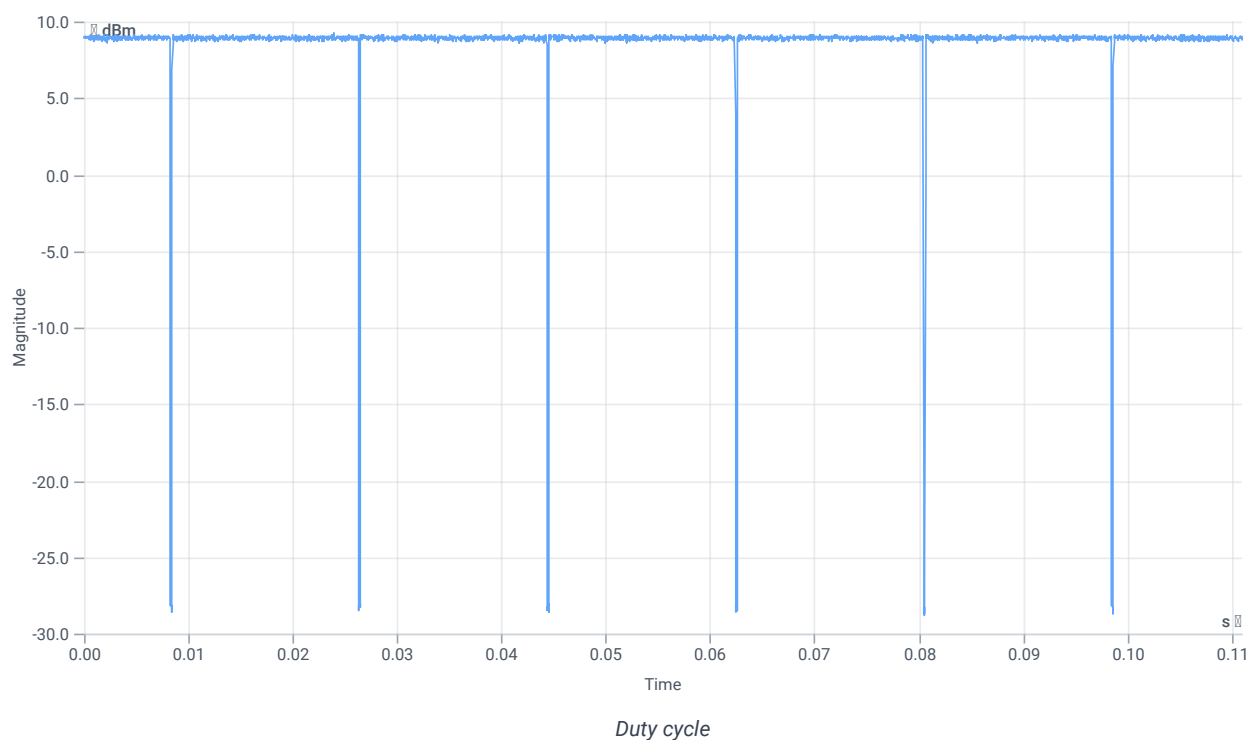
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.74	dBm	INFO
Ref. frequency	---	---	5305.000	MHz	INFO

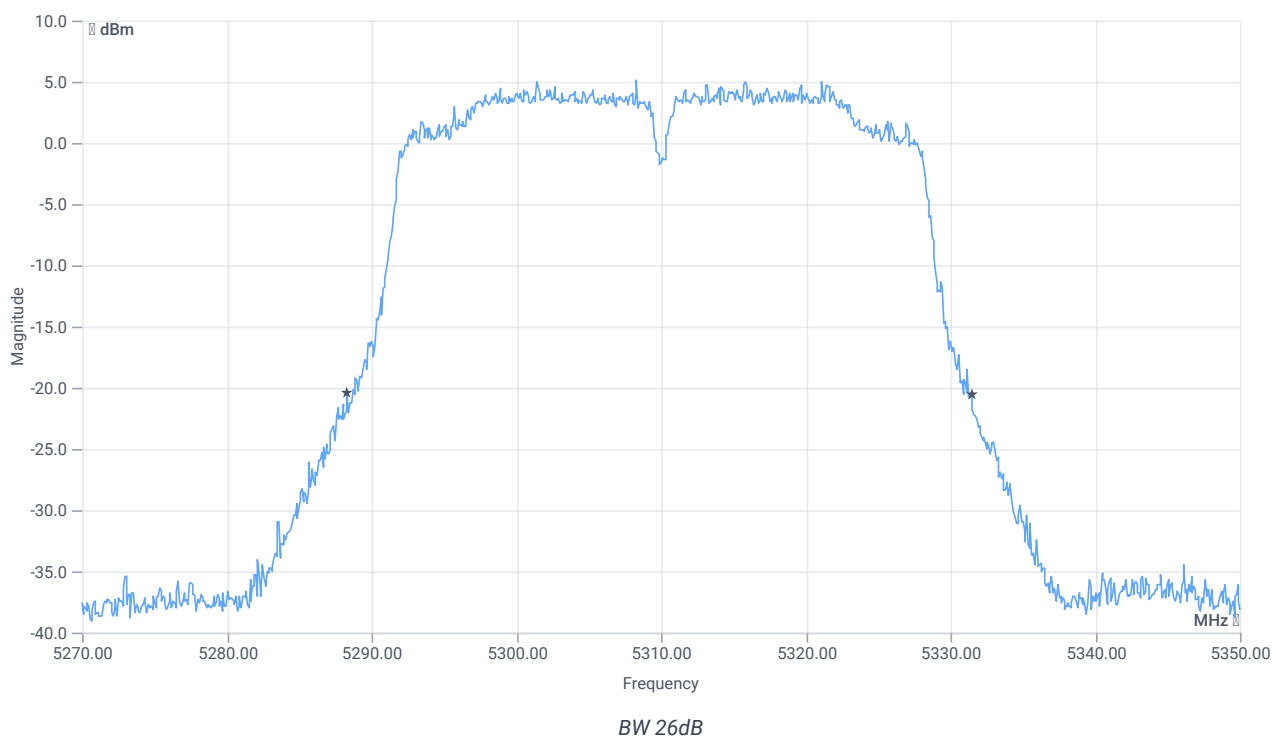
Evaluation max. duty cycle

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	---	---	0.986	---	INFO
Duty cycle min	---	---	0.061	dB	INFO
Max TX burst length	---	---	17.816	ms	INFO
Min gap length	---	---	0.222	ms	INFO
Max gap length	---	---	0.25	ms	INFO



Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.12	MHz	INFO
T1 26dB	---	---	5288.3200	MHz	INFO
T2 26dB	---	---	5331.4400	MHz	INFO

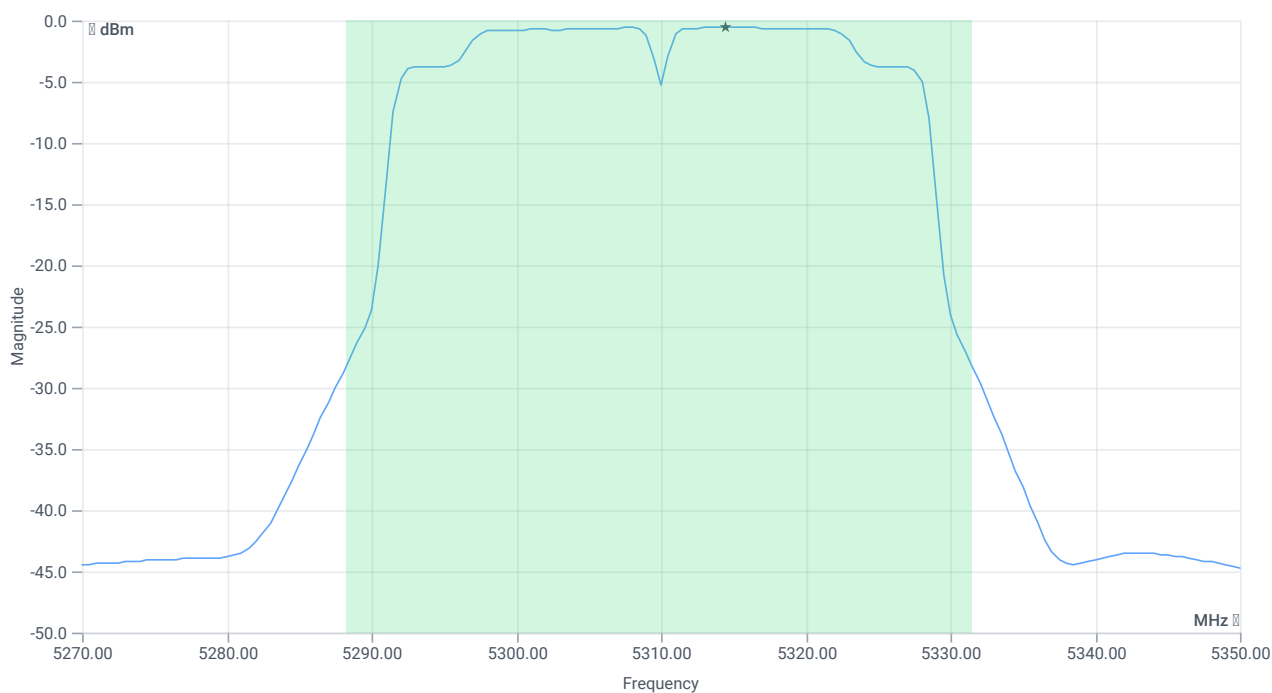
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.74 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	---	---	13.89	dBm	INFO
Duty cycle correction	---	---	0.06	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.95	dBm	PASS
LIMIT: 11 dBm + 10 log 43.12					
Max output power DC corrected cond	---	27.35	13.95	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	13.95	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	---	---	-0.55	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	-0.49	dBm/1MHz	PASS
--	----	----	-------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:08:15
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-HT40 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 n-HT40 mode
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

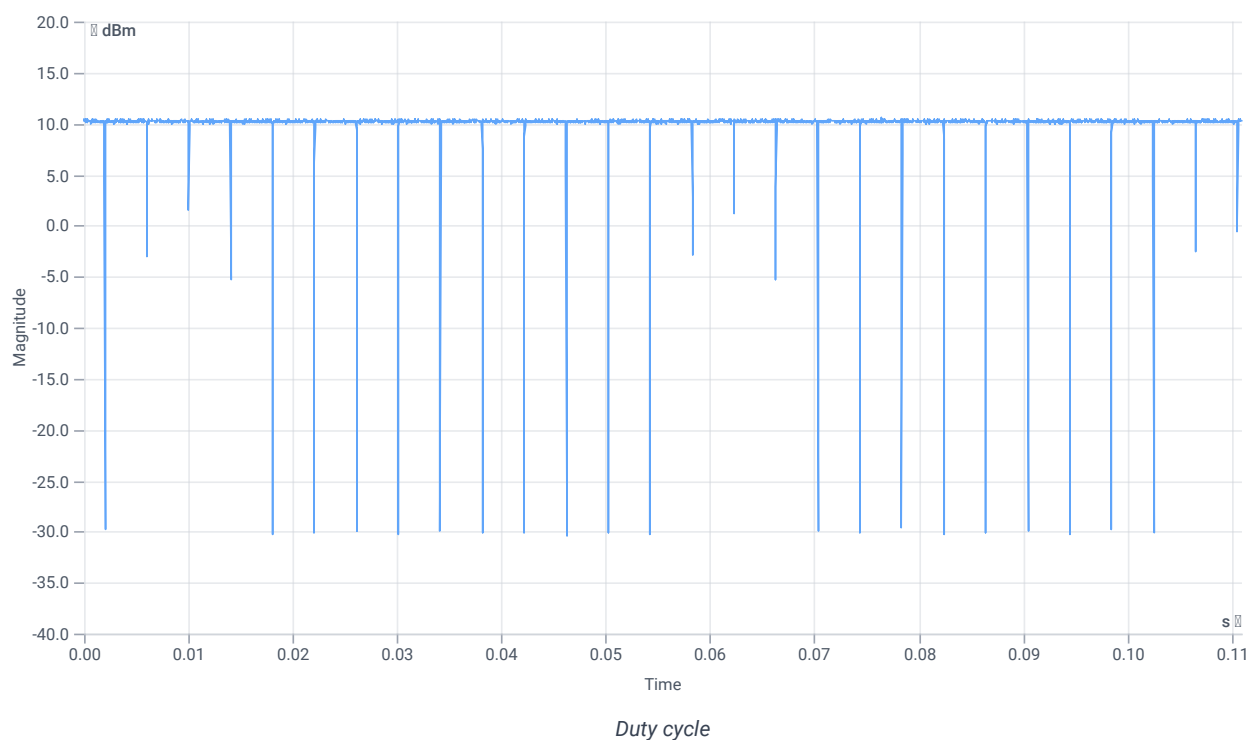
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.22	dBm	INFO
Ref. frequency	---	---	5500.810	MHz	INFO

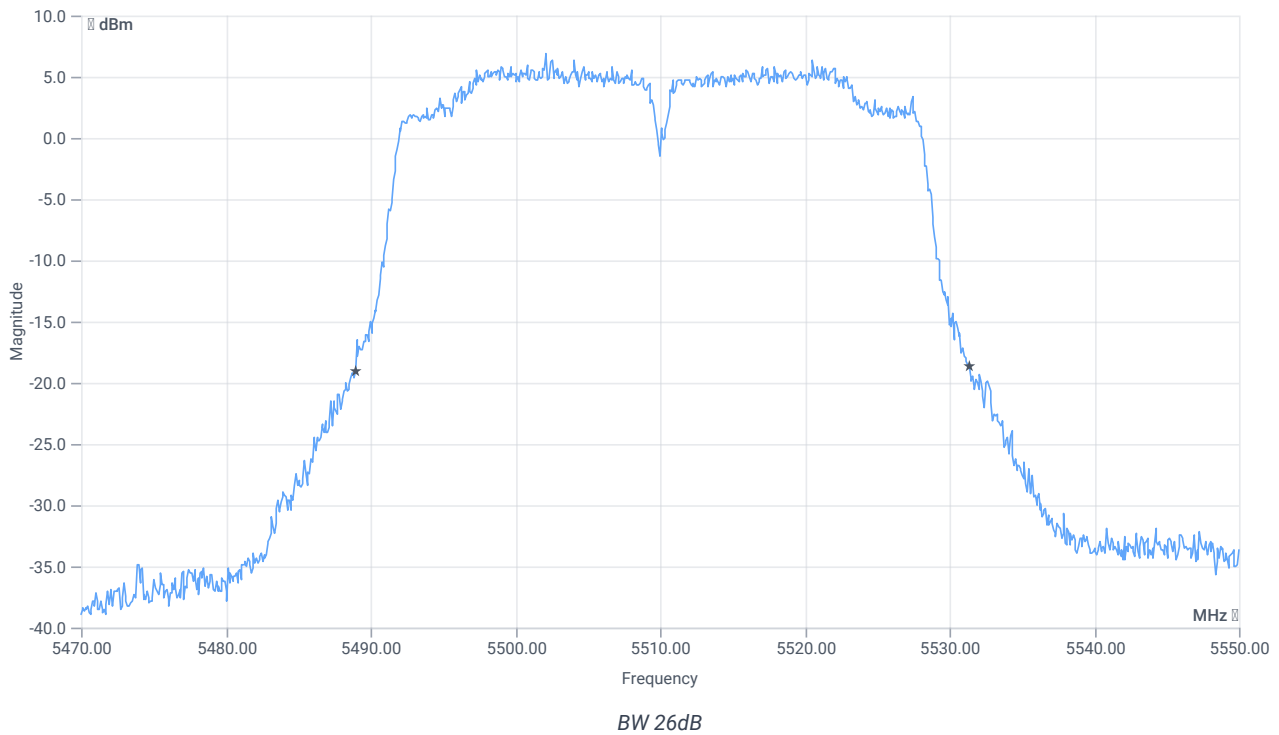
Evaluation max. duty cycle

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



Evaluation bandwidth



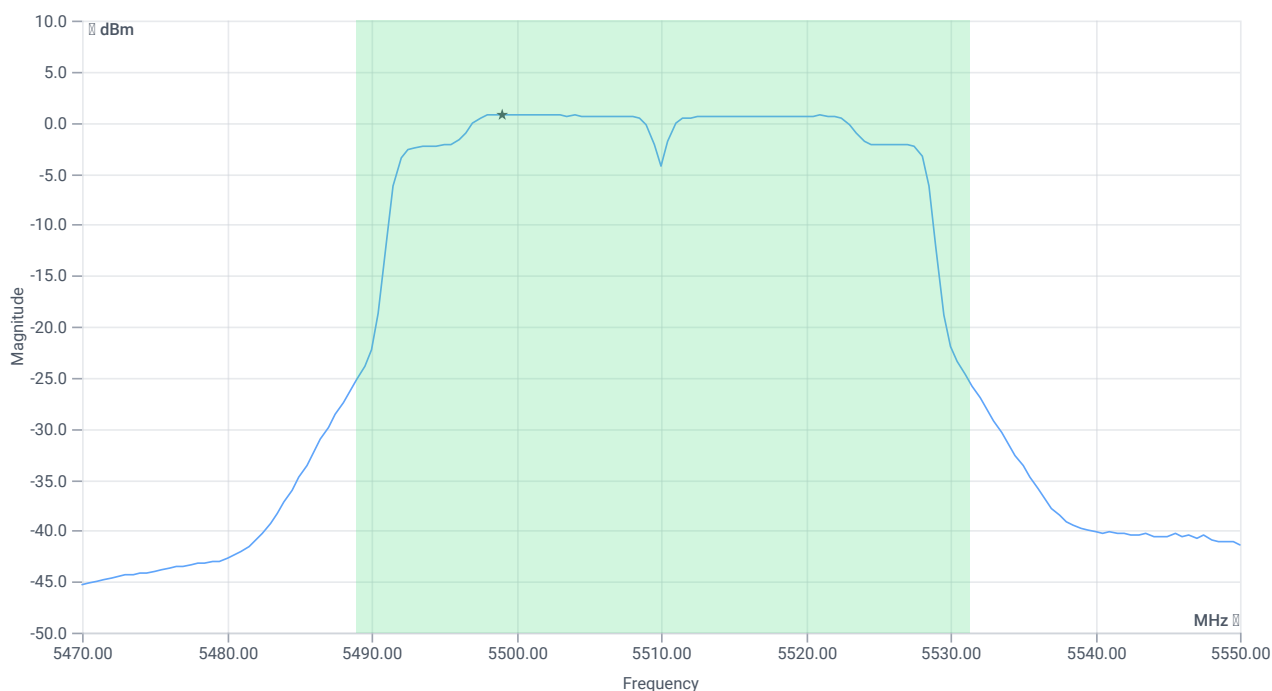
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.4	MHz	INFO
T1 26dB	---	---	5488.9600	MHz	INFO
T2 26dB	---	---	5531.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.22 11.54 25
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	---	---	15.22	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.31	dBm	PASS
LIMIT: 11 dBm + 10 log 42.4					
Max output power DC corrected cond	---	27.27	15.31	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.31	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	---	---	0.78	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	0.87	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:10:12
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-HT40 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 n-HT40 mode
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

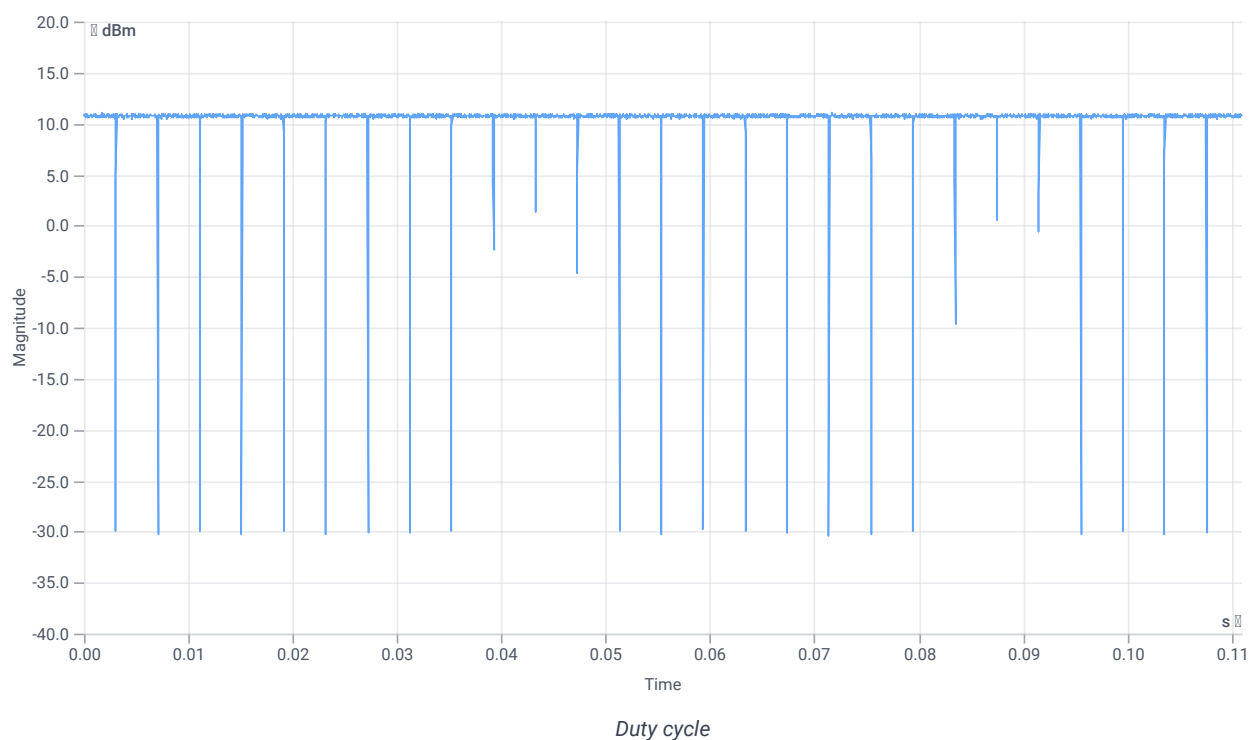
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.02	dBm	INFO
Ref. frequency	---	---	5504.410	MHz	INFO

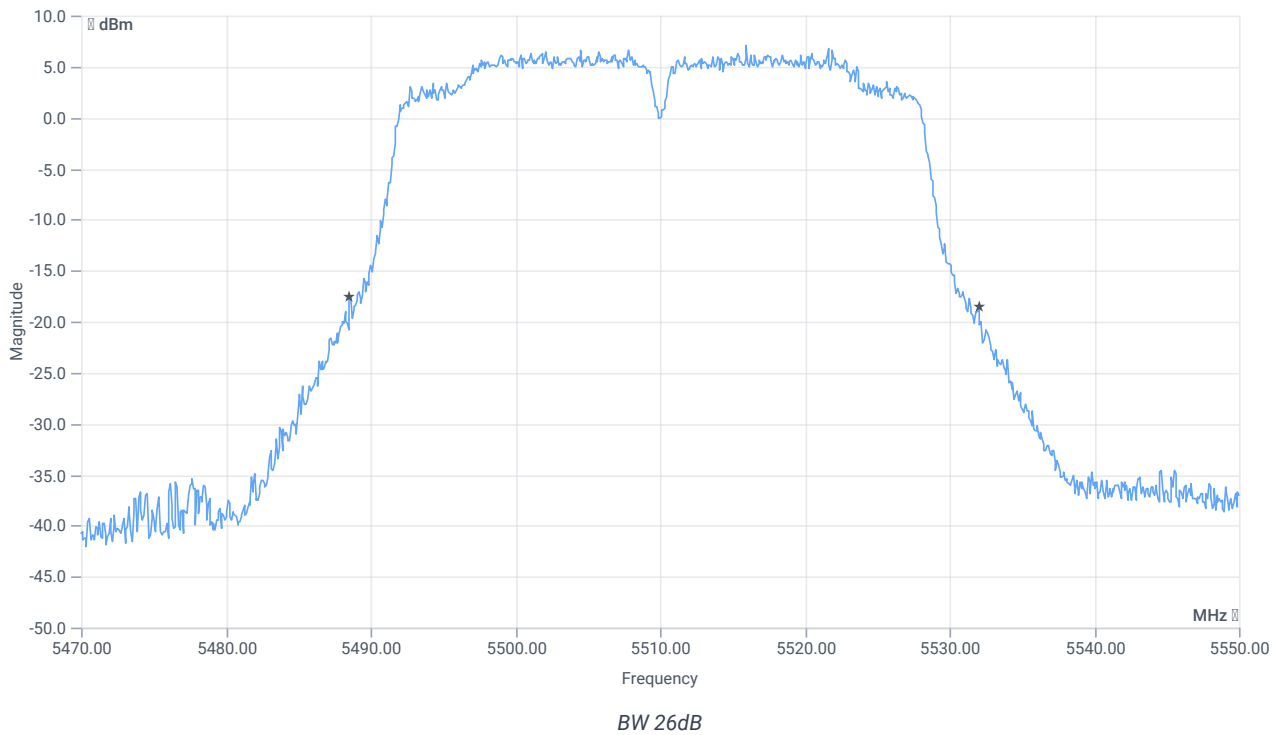
Evaluation max. duty cycle

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



Evaluation bandwidth



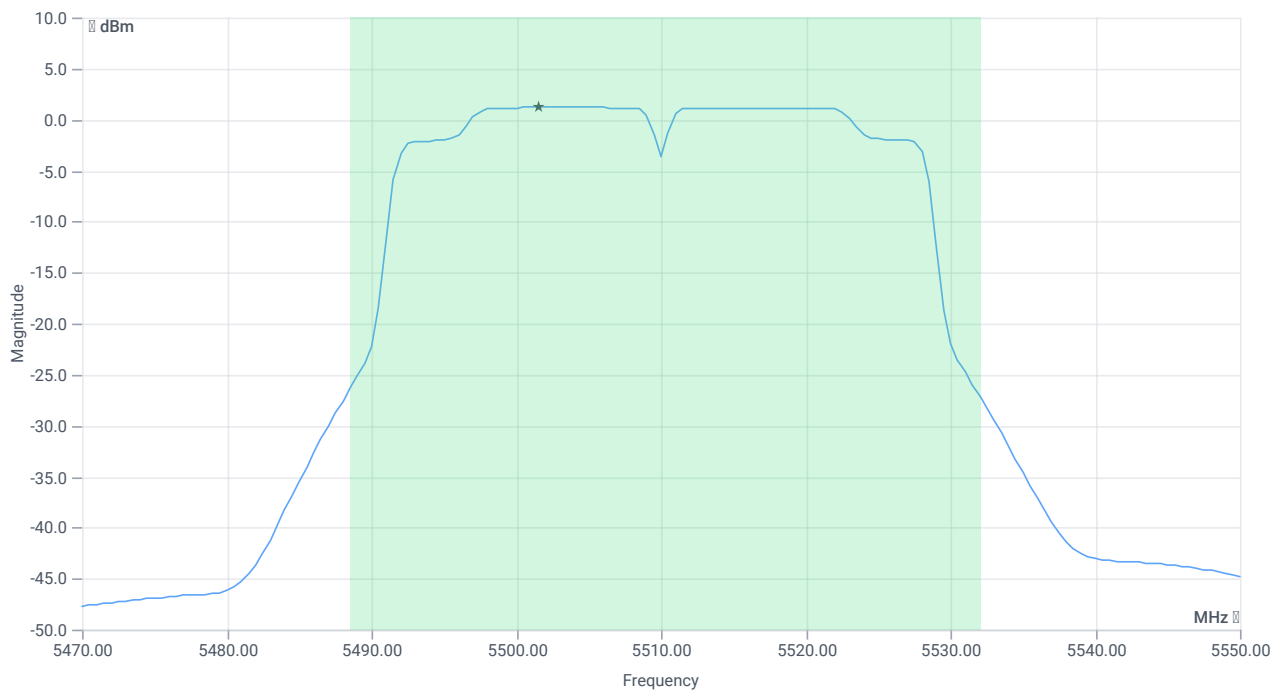
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.44	MHz	INFO
T1 26dB	---	---	5488.5600	MHz	INFO
T2 26dB	---	---	5532.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.02 11.49 25
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	---	---	15.68	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.77	dBm	PASS
LIMIT: 11 dBm + 10 log 43.44					
Max output power DC corrected cond	---	27.38	15.77	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.77	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	---	---	1.21	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	1.3	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:14:32
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 n-HT40 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 n-HT40 mode
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

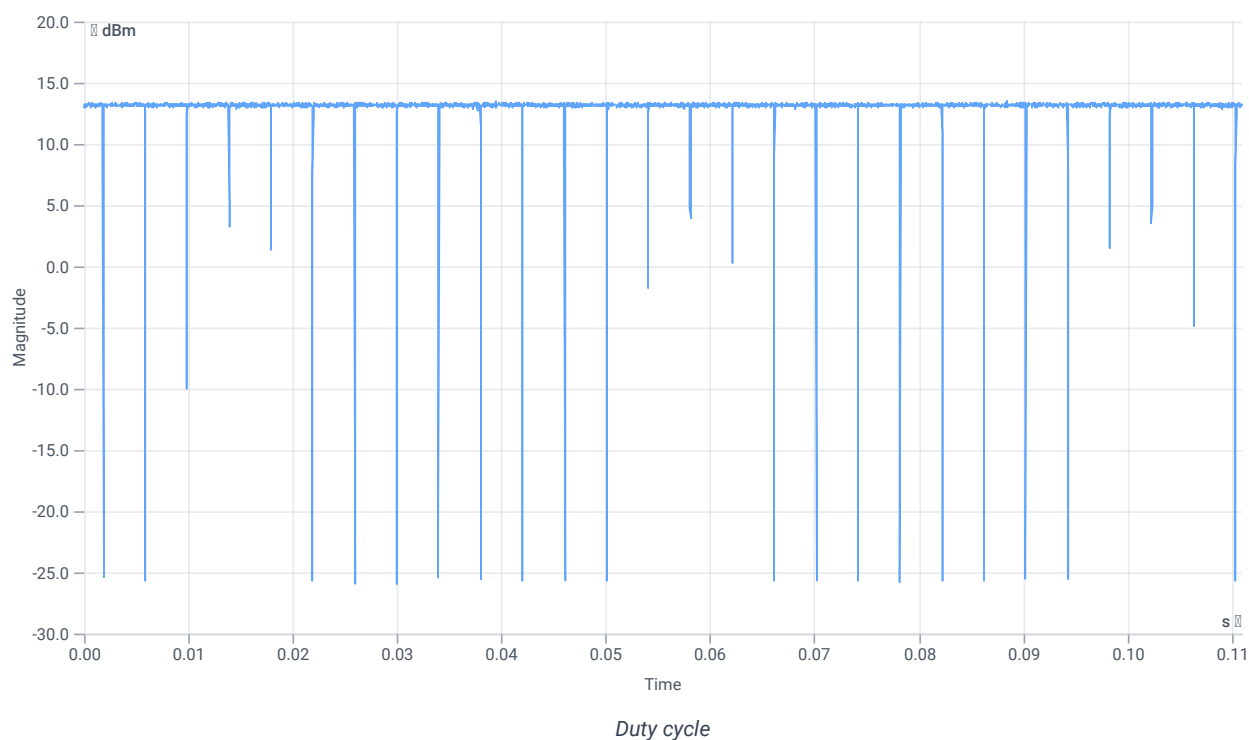
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.14	dBm	INFO
Ref. frequency	---	---	5579.810	MHz	INFO

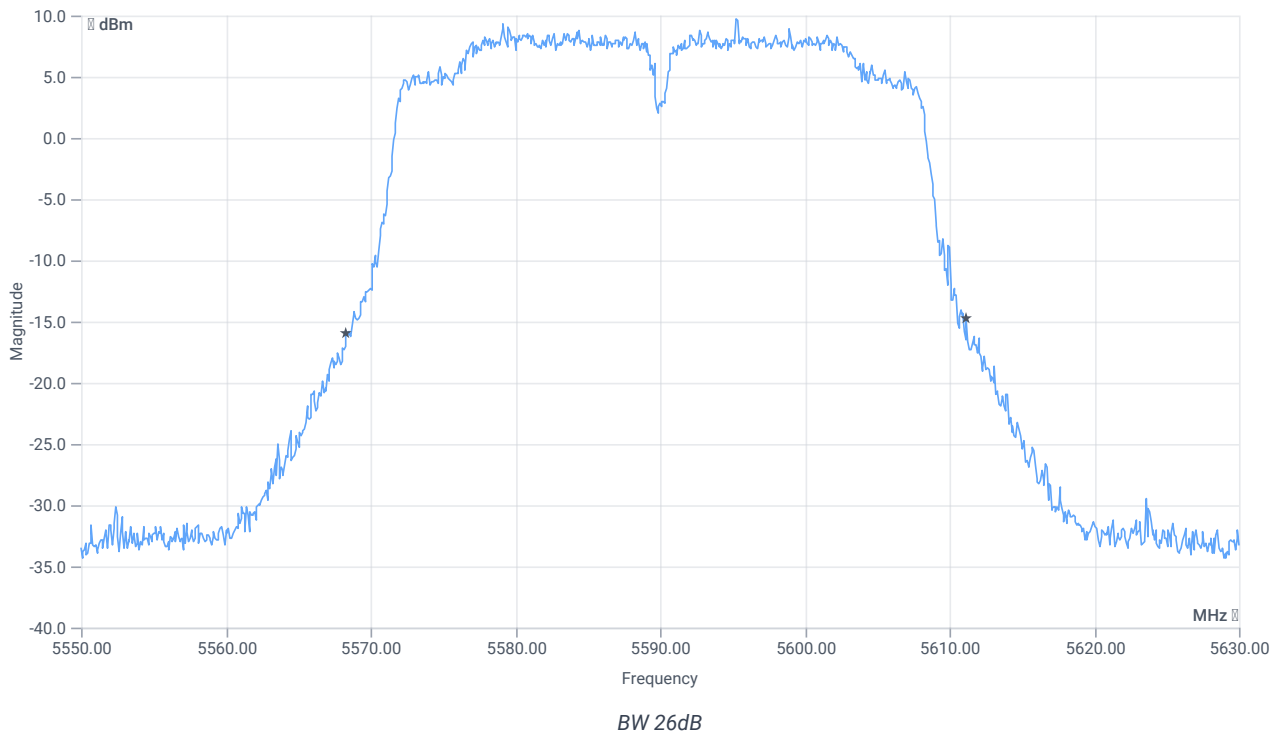
Evaluation max. duty cycle

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



Evaluation bandwidth



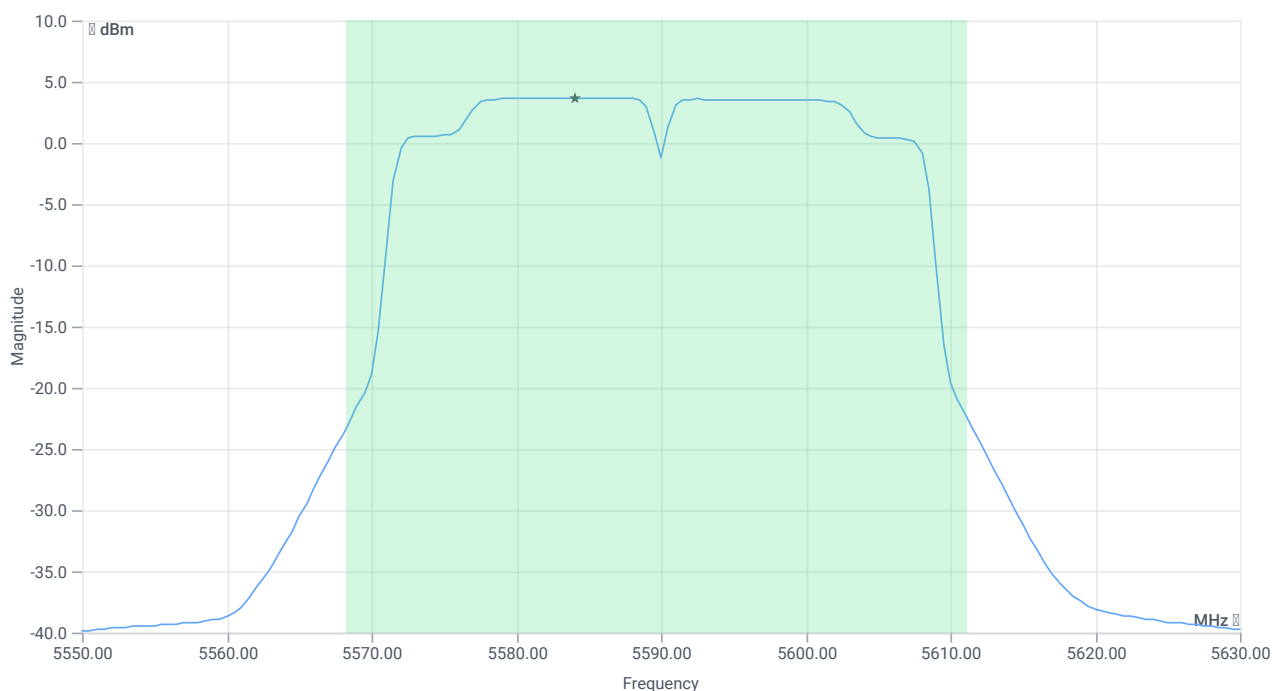
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.88	MHz	INFO
T1 26dB	---	---	5568.3200	MHz	INFO
T2 26dB	---	---	5611.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.14 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	---	---	18.12	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.21	dBm	PASS
LIMIT: 11 dBm + 10 log 42.88					
Max output power DC corrected cond	---	27.32	18.21	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.21	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	---	---	3.64	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	3.73	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:16:30
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 n-HT40 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 n-HT40 mode
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

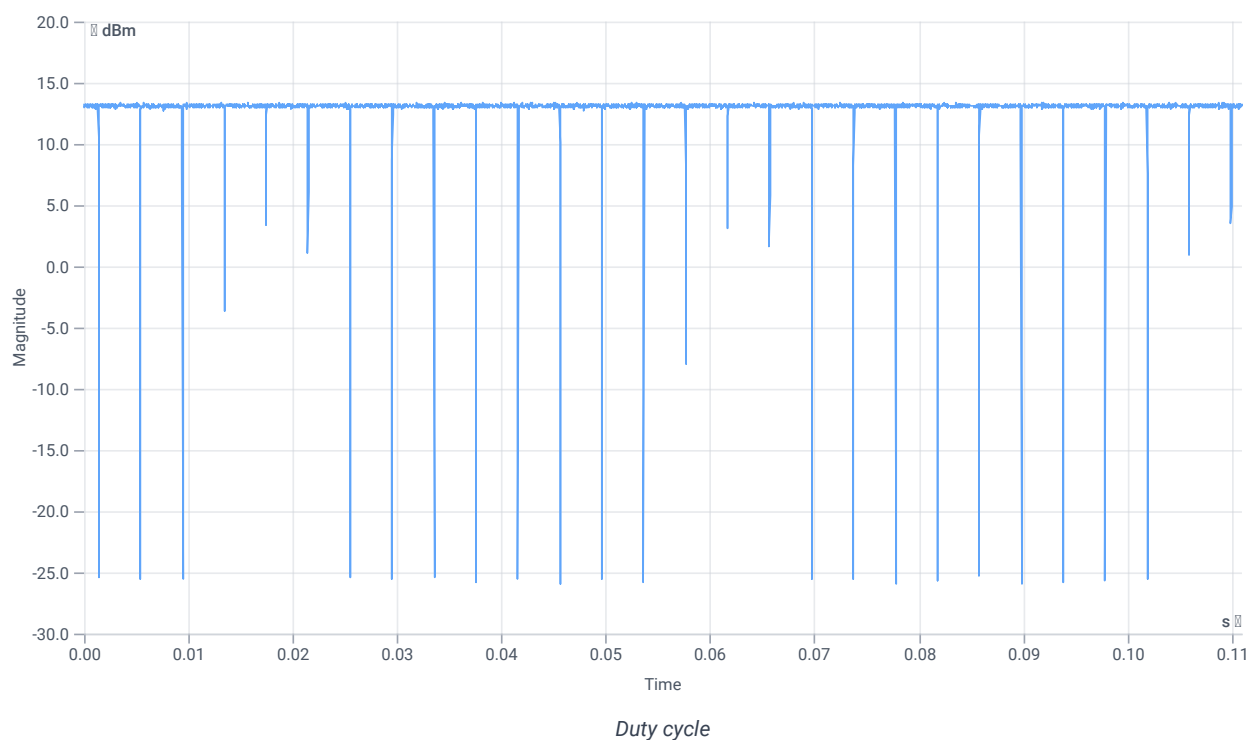
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.51	dBm	INFO
Ref. frequency	---	---	5585.200	MHz	INFO

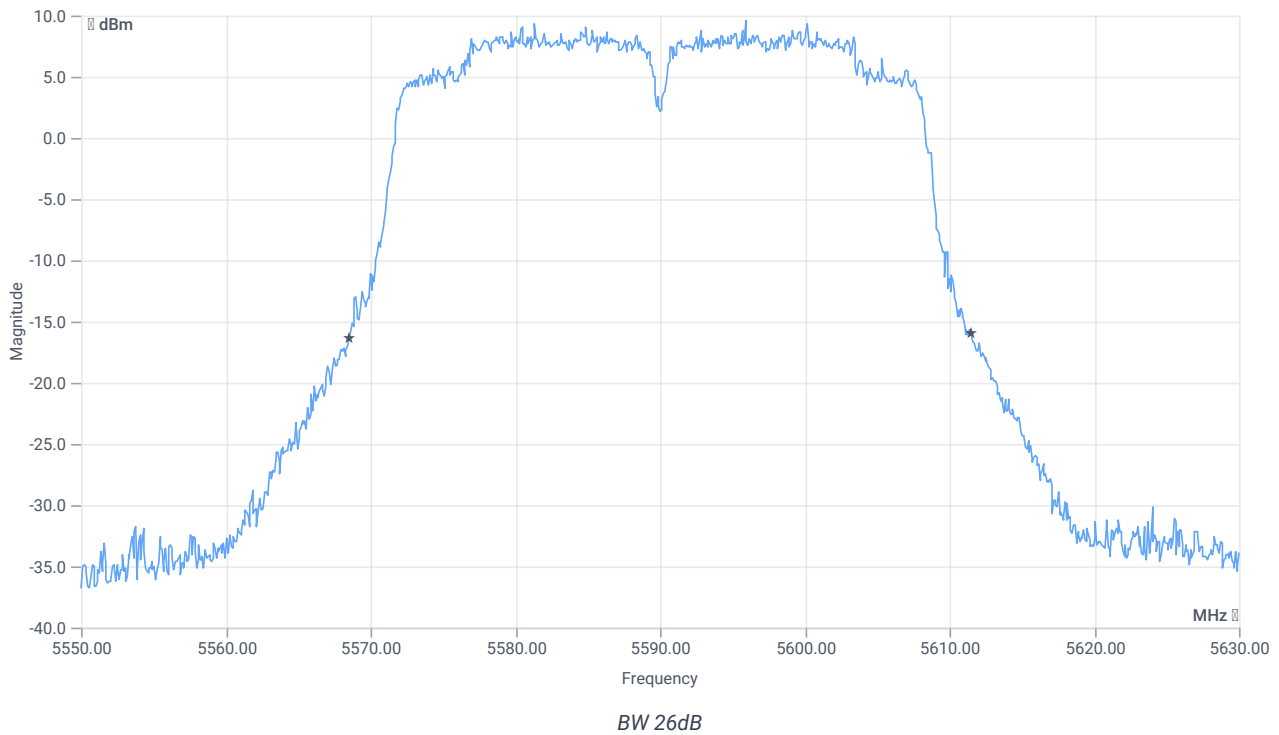
Evaluation max. duty cycle

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	---	---	7.937	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



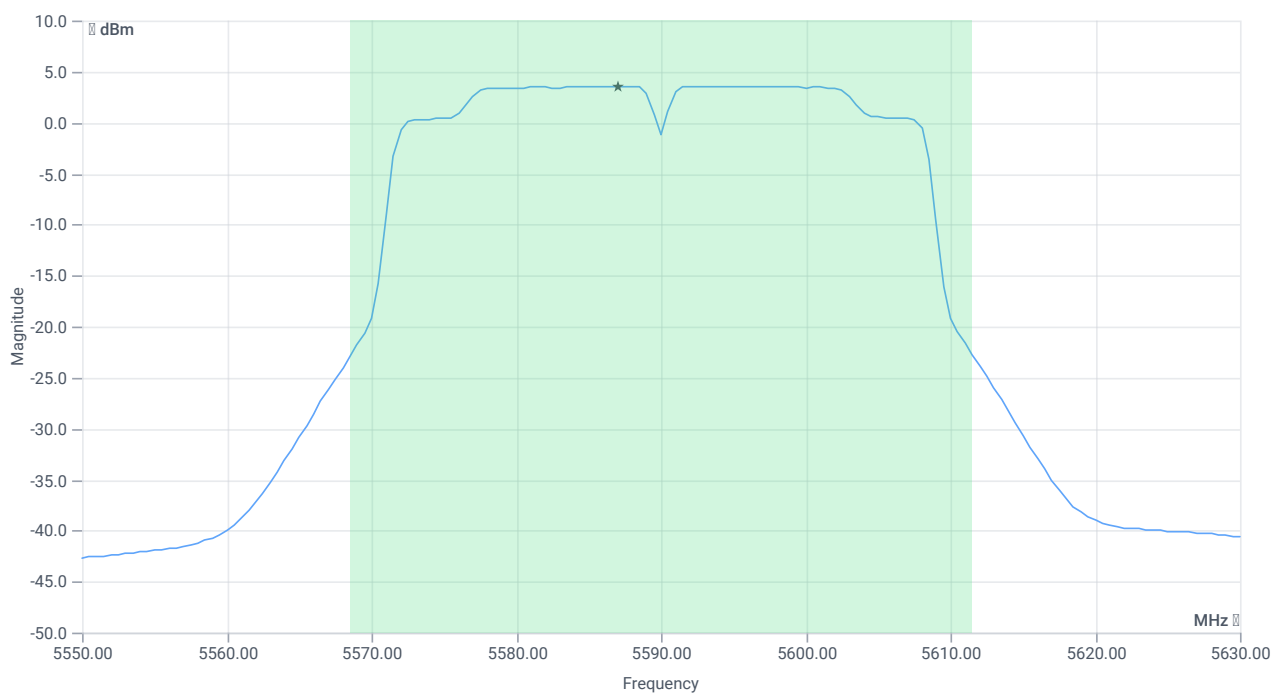
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.96	MHz	INFO
T1 26dB	---	---	5568.5600	MHz	INFO
T2 26dB	---	---	5611.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.51 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	---	---	18.04	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.13	dBm	PASS
LIMIT: 11 dBm + 10 log 42.96					
Max output power DC corrected cond	---	27.33	18.13	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.13	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	---	---	3.56	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	3.65	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:18:33
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 n-HT40 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 n-HT40 mode
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.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5670 MHz

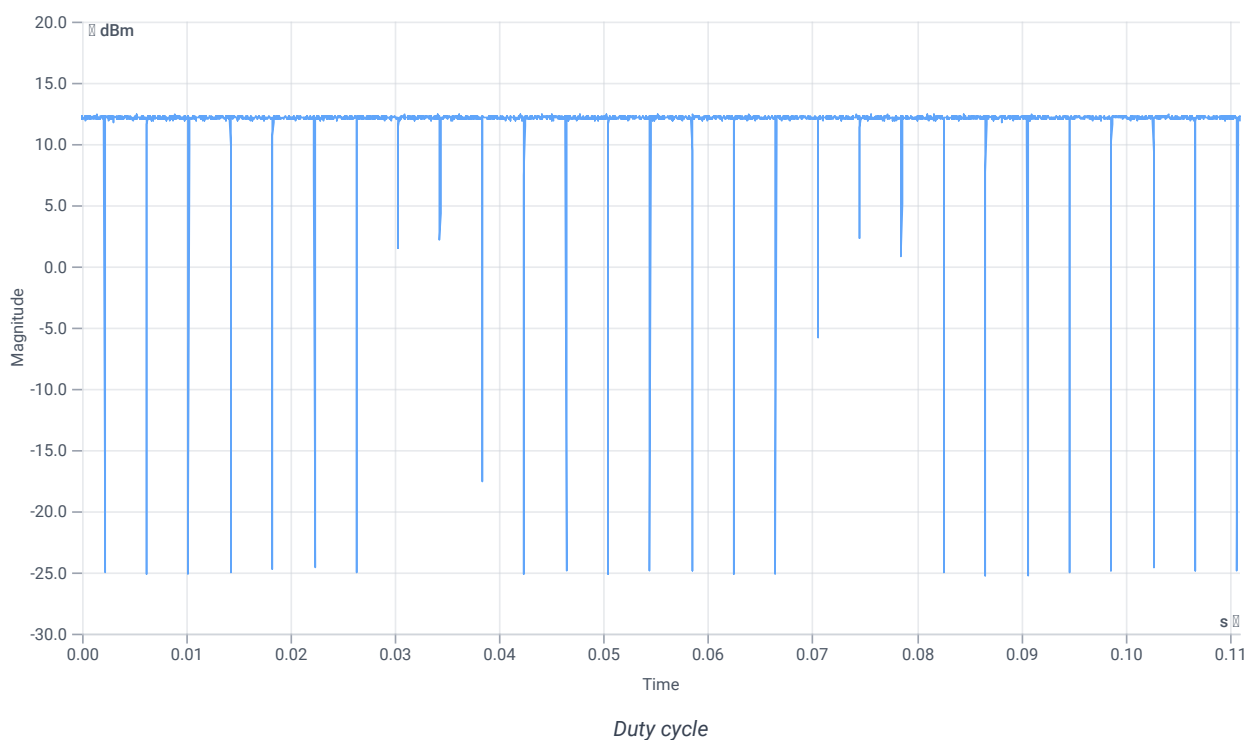
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.14	dBm	INFO
Ref. frequency	---	---	5665.800	MHz	INFO

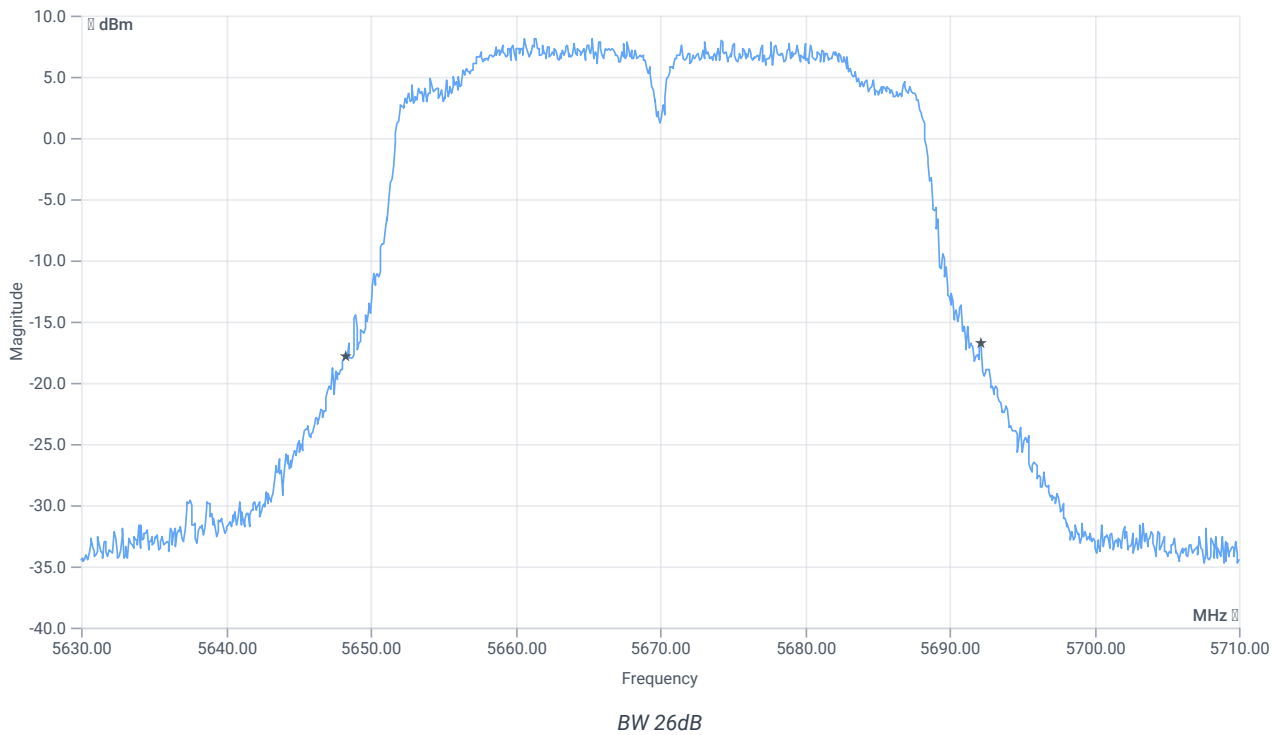
Evaluation max. duty cycle

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	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



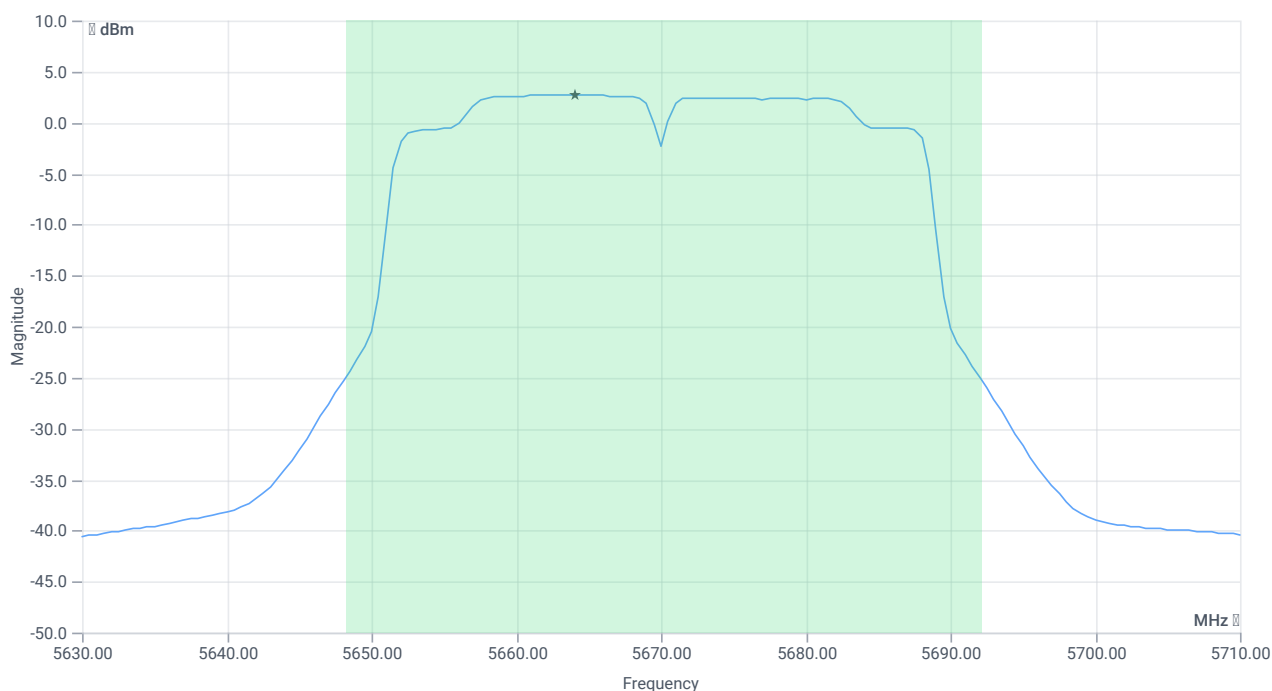
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.84	MHz	INFO
T1 26dB	---	---	5648.3200	MHz	INFO
T2 26dB	---	---	5692.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.14 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	---	---	17.03	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.12	dBm	PASS
LIMIT: 11 dBm + 10 log 43.84					
Max output power DC corrected cond	---	27.42	17.12	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	17.12	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	---	---	2.67	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	2.76	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	07.05.2026 08:20:20
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 n-HT40 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 n-HT40 mode
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

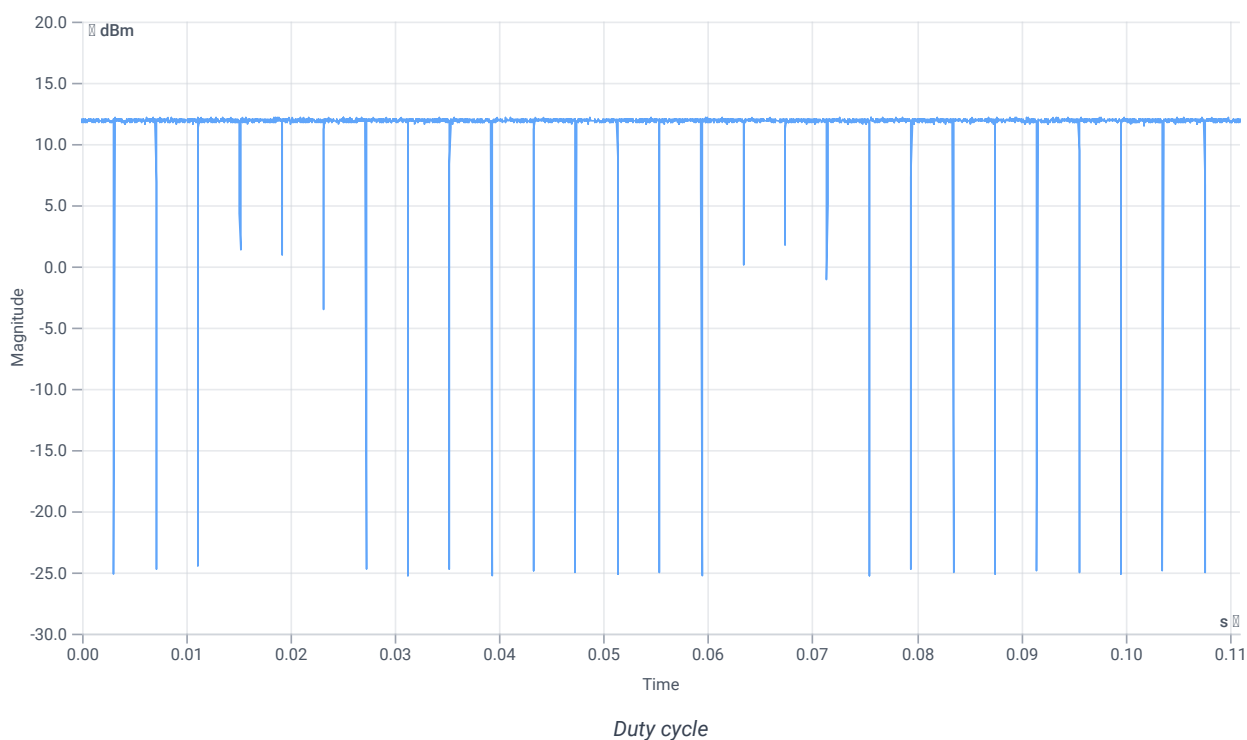
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.75	dBm	INFO
Ref. frequency	---	---	5680.390	MHz	INFO

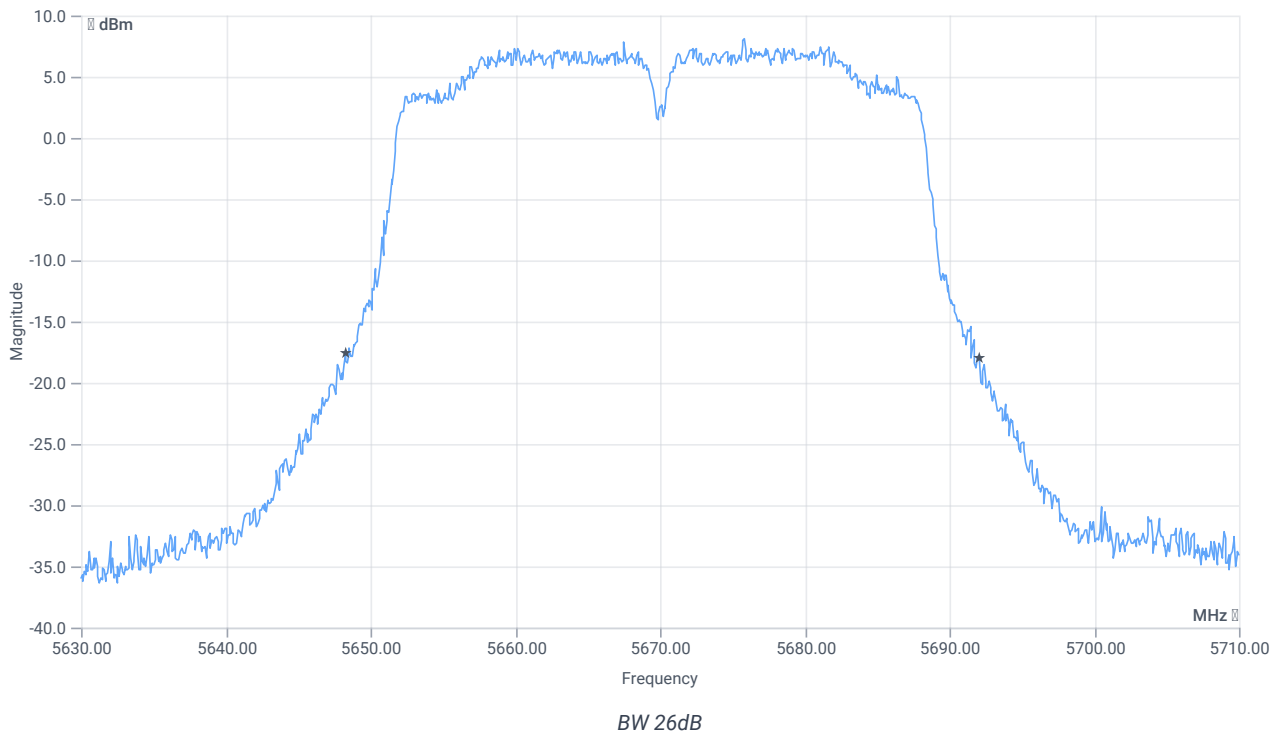
Evaluation max. duty cycle

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	---	---	3.941	ms	INFO
Min gap length	---	---	0.083	ms	INFO
Max gap length	---	---	0.083	ms	INFO



Evaluation bandwidth



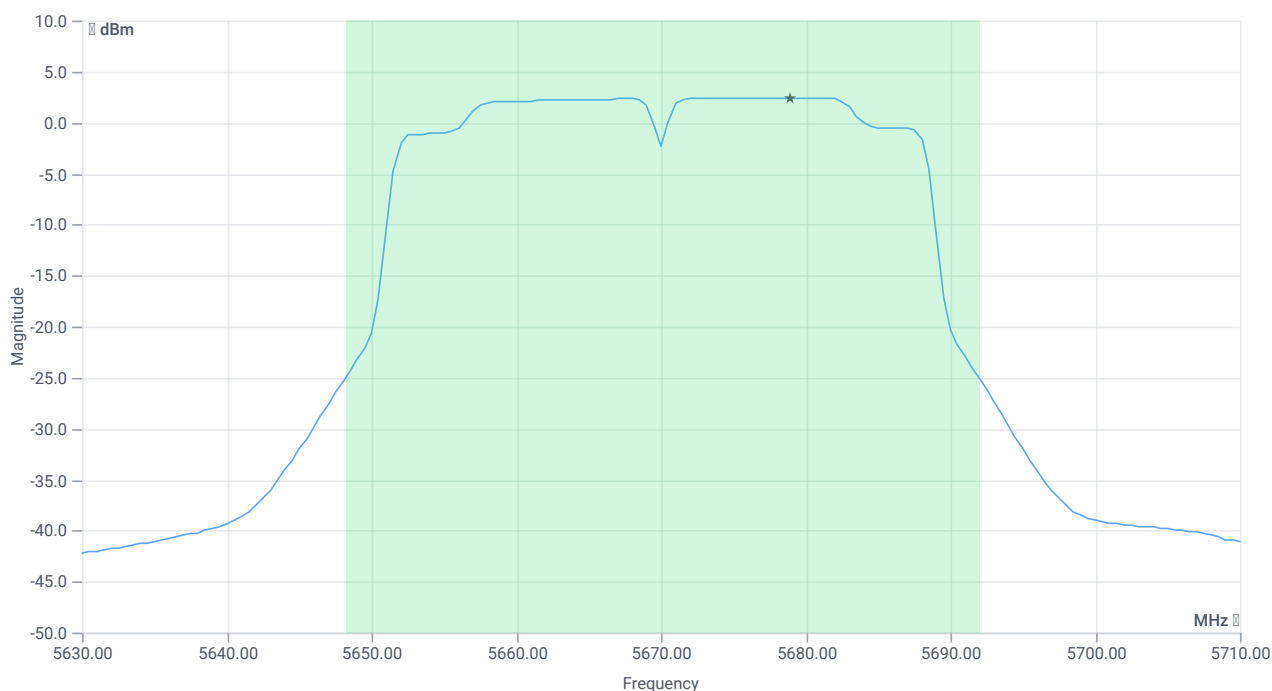
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.76	MHz	INFO
T1 26dB	---	---	5648.2400	MHz	INFO
T2 26dB	---	---	5692.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.75 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



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	16.84	dBm	INFO
Duty cycle correction	---	---	0.09	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	16.93	dBm	PASS
LIMIT: 11 dBm + 10 log 43.76					
Max output power DC corrected cond	---	27.41	16.93	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	16.93	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	---	---	2.42	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	2.51	dBm/1MHz	PASS
--	----	----	------	----------	------

Verdict

PASS

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