Conducted test results

No.1-1132-25-01-05_TR1-A202-R01

January 27, 2026

Test Standard(s)	FCC 15.407 - NI

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FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A 764
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C 774
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3 784
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1 794
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2A 804
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-2C 814
FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-3 824

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	14.01.2026 15:53:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

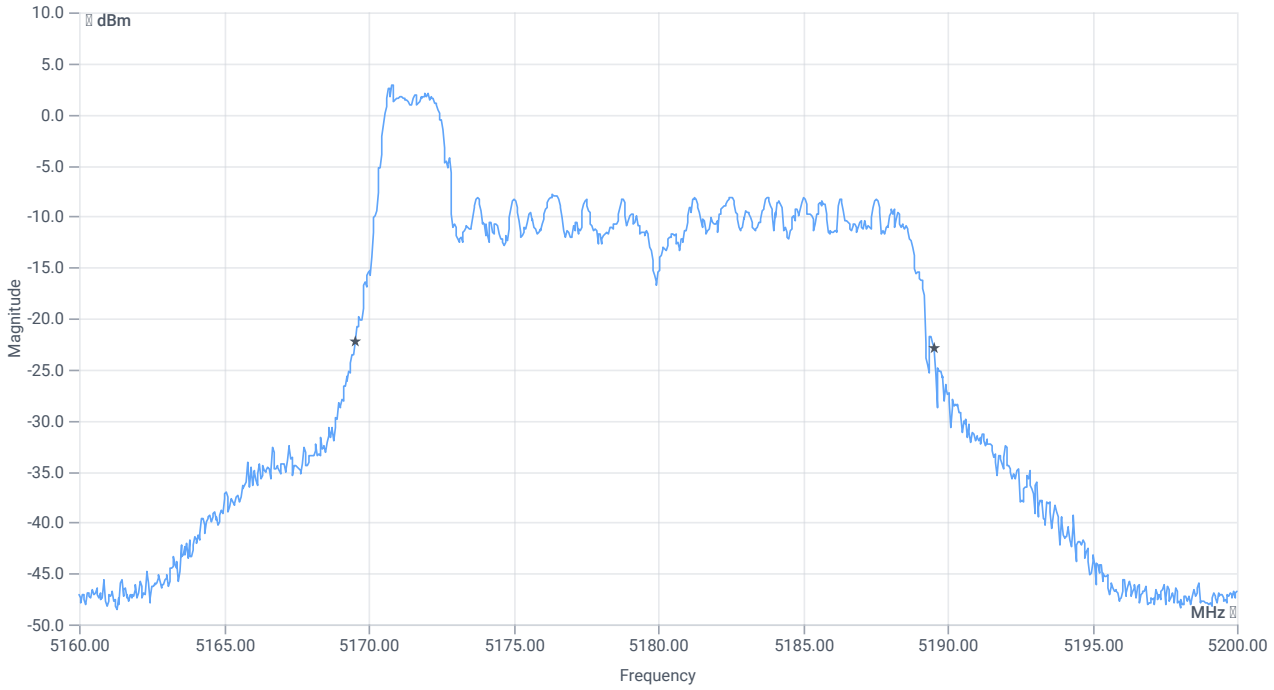
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.54	dBm	INFO
Ref. frequency	---	---	5171.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

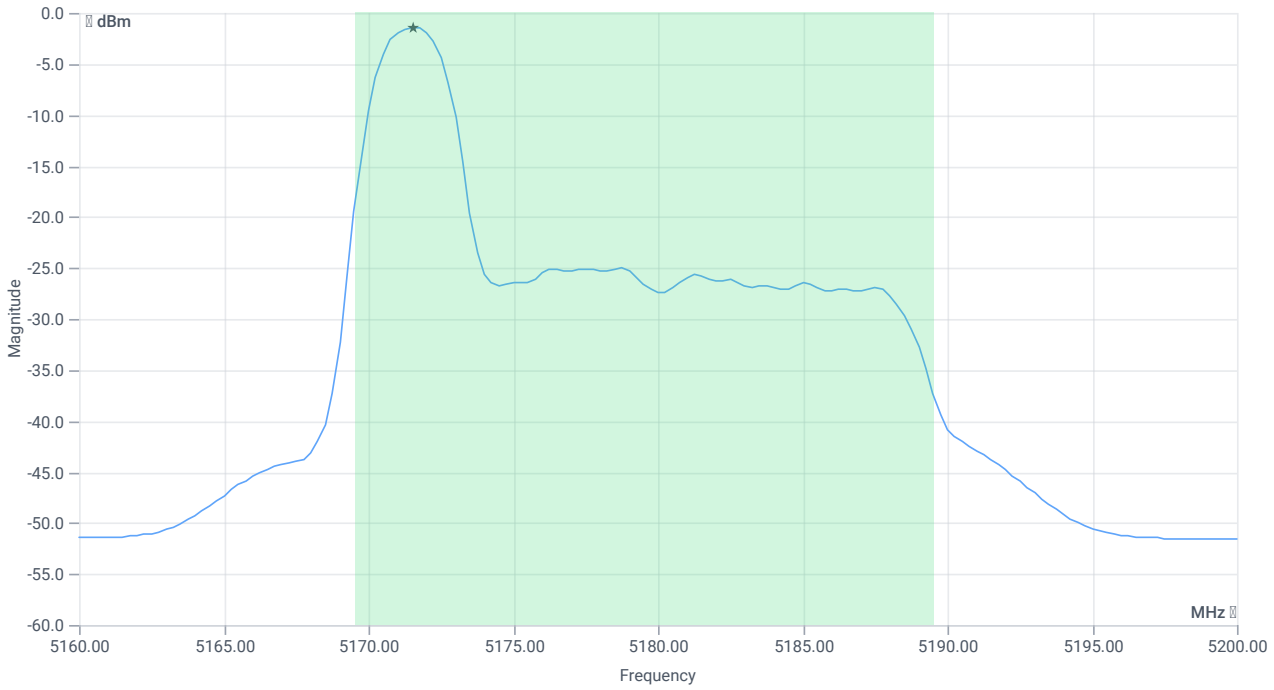
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20	MHz	INFO
T1 26dB	---	---	5169.5200	MHz	INFO
T2 26dB	---	---	5189.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.54 | 10.89 | 25
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	---	---	1.51	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.51	dBm	PASS
LIMIT: 11 dBm + 10 log 20					
Max output power DC corrected cond	---	24.01	1.51	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.42	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.42	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

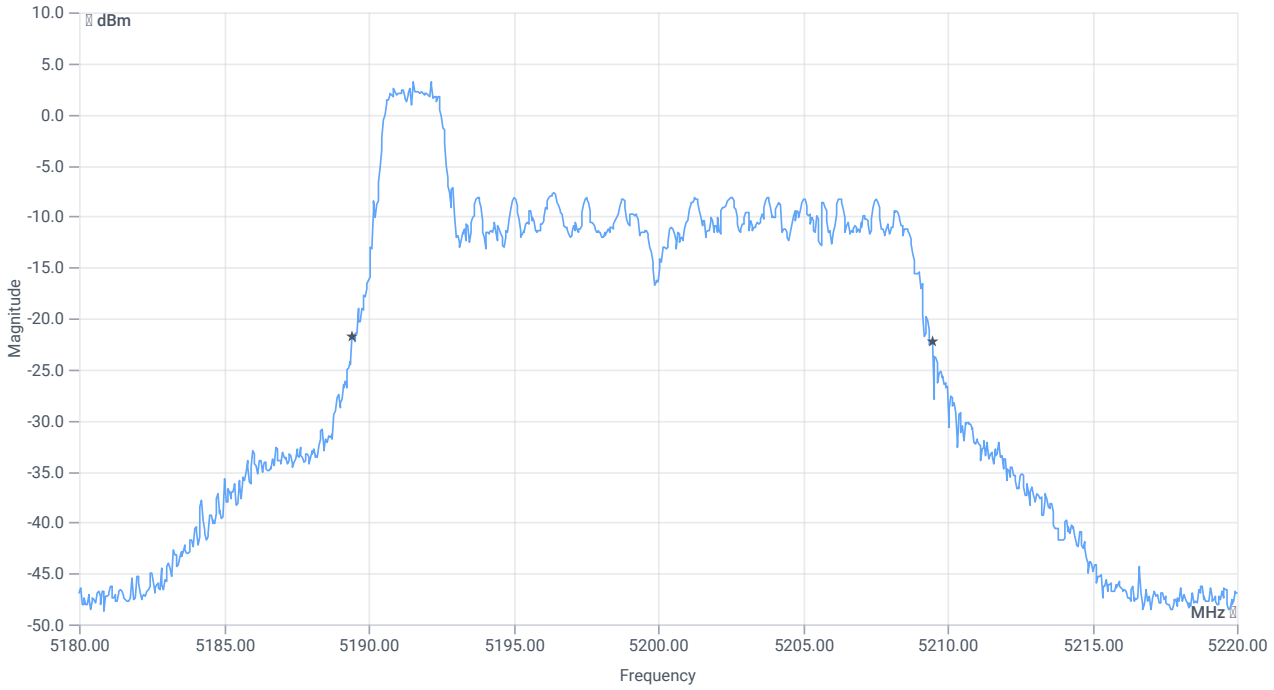
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.88	dBm	INFO
Ref. frequency	---	---	5191.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

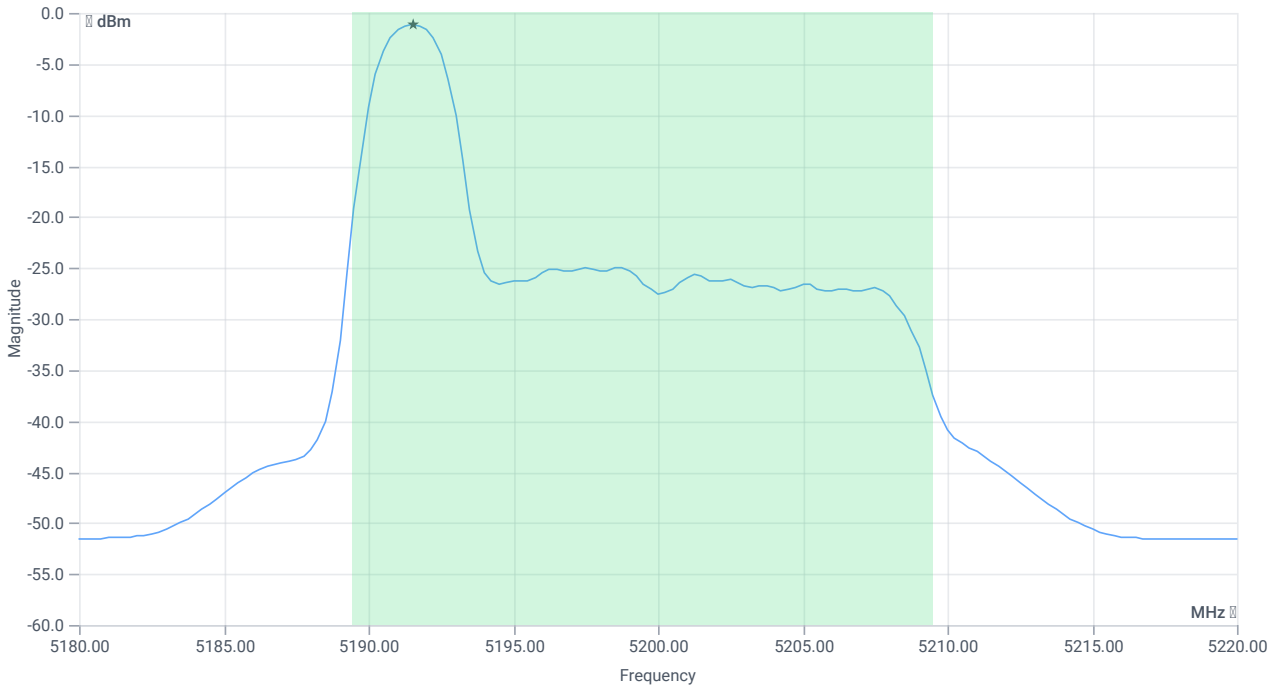
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.04	MHz	INFO
T1 26dB	---	---	5189.4400	MHz	INFO
T2 26dB	---	---	5209.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.88 | 10.85 | 25
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	---	---	1.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.78	dBm	PASS
LIMIT: 11 dBm + 10 log 20.04					
Max output power DC corrected cond	---	24.02	1.78	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.15	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.15	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

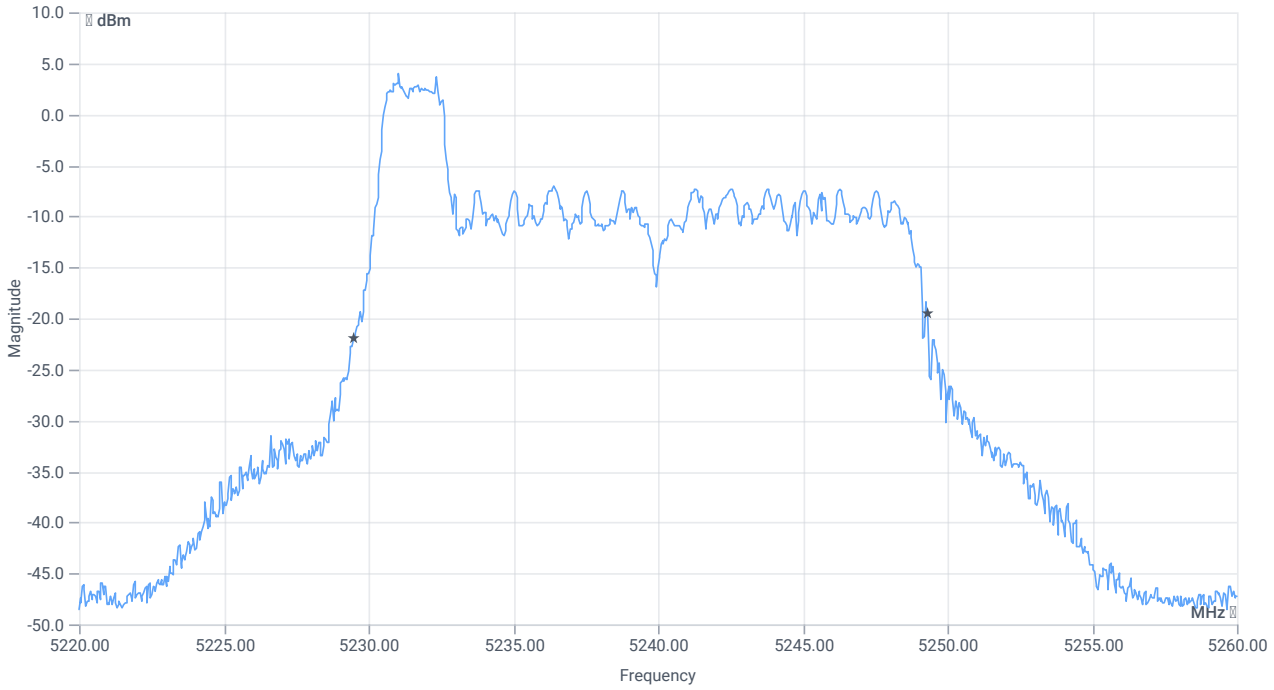
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.53	dBm	INFO
Ref. frequency	---	---	5232.010	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

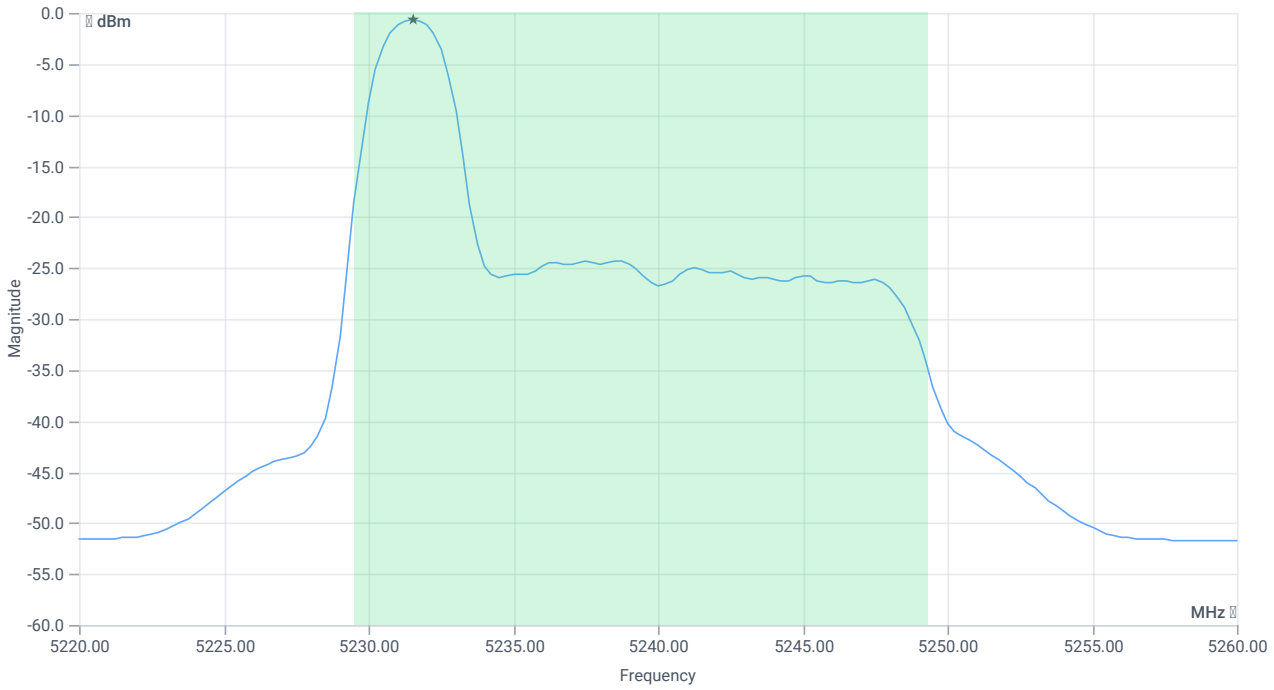
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.84	MHz	INFO
T1 26dB	---	---	5229.4800	MHz	INFO
T2 26dB	---	---	5249.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.53 | 10.86 | 25
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	---	---	2.25	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.25	dBm	PASS
LIMIT: 11 dBm + 10 log 19.84					
Max output power DC corrected cond	---	23.98	2.25	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.66	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.66	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 16:00:48
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

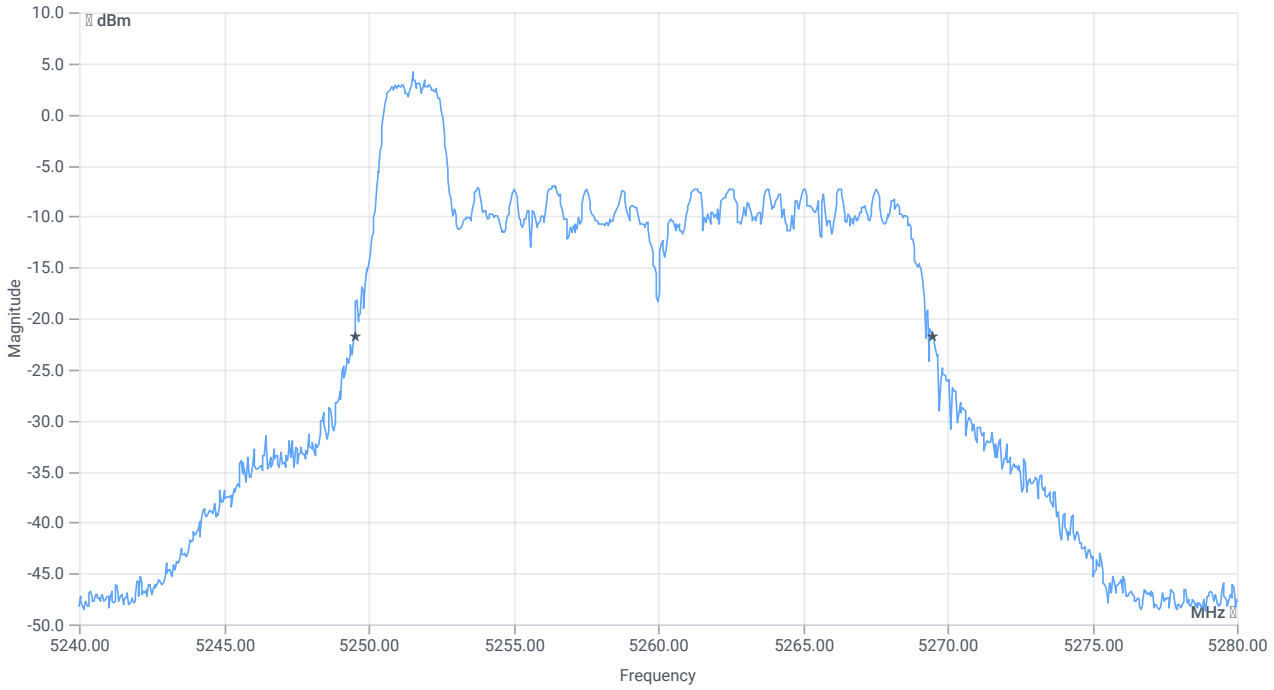
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.62	dBm	INFO
Ref. frequency	---	---	5251.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.96	MHz	INFO
T1 26dB	---	---	5249.5200	MHz	INFO
T2 26dB	---	---	5269.4800	MHz	INFO

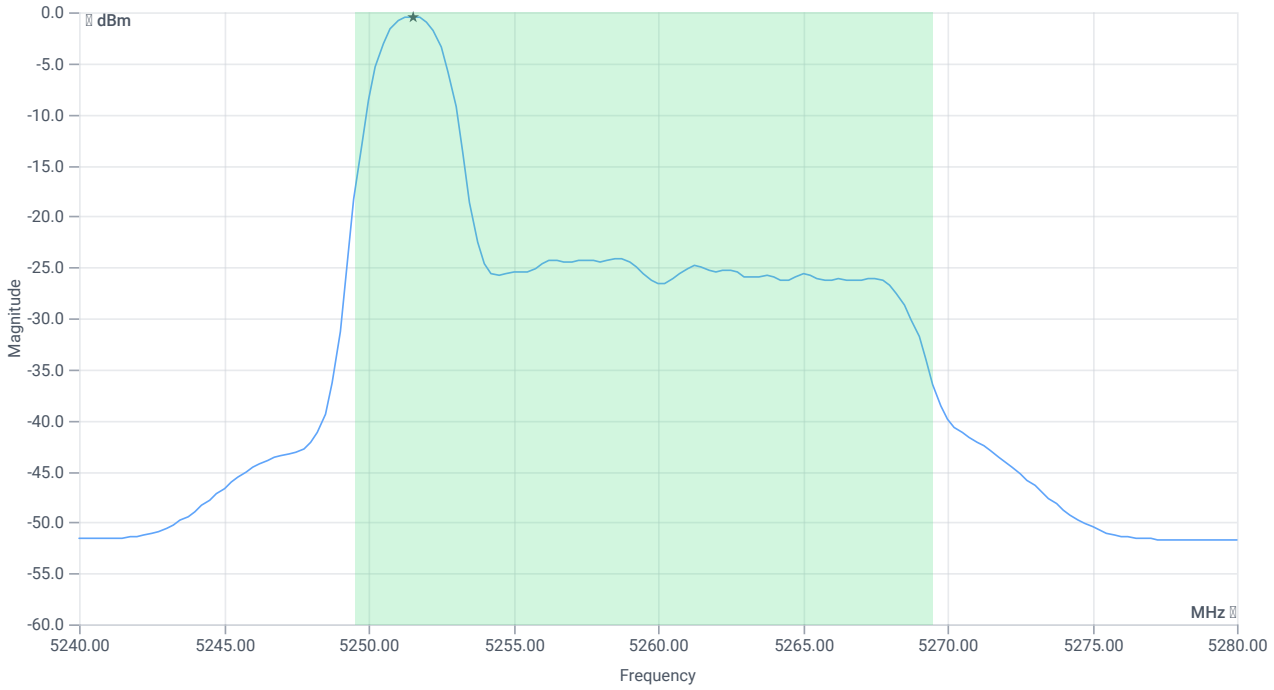
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.62 | 10.85 | 25
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	---	---	2.49	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.49	dBm	PASS
LIMIT: 11 dBm + 10 log 19.96					
Max output power DC corrected cond	---	24	2.49	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.49	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	---	---	-0.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.45	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

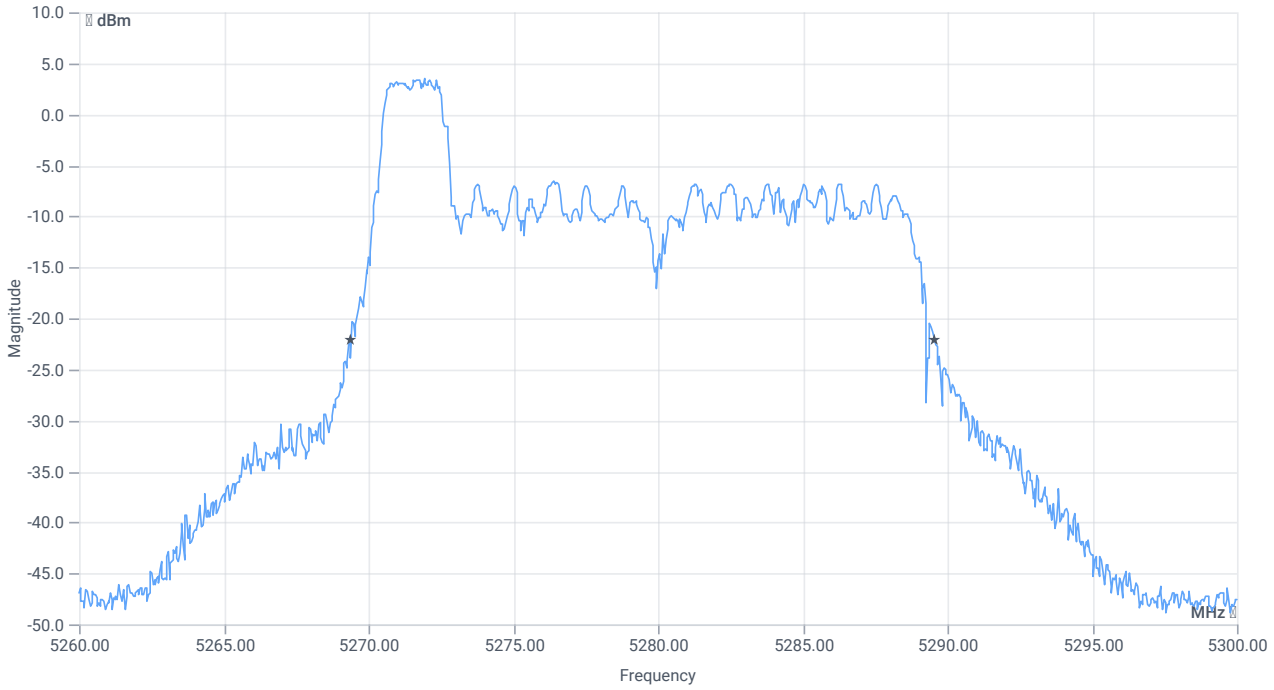
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.75	dBm	INFO
Ref. frequency	---	---	5271.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	---	---	5269.3600	MHz	INFO
T2 26dB	---	---	5289.5600	MHz	INFO

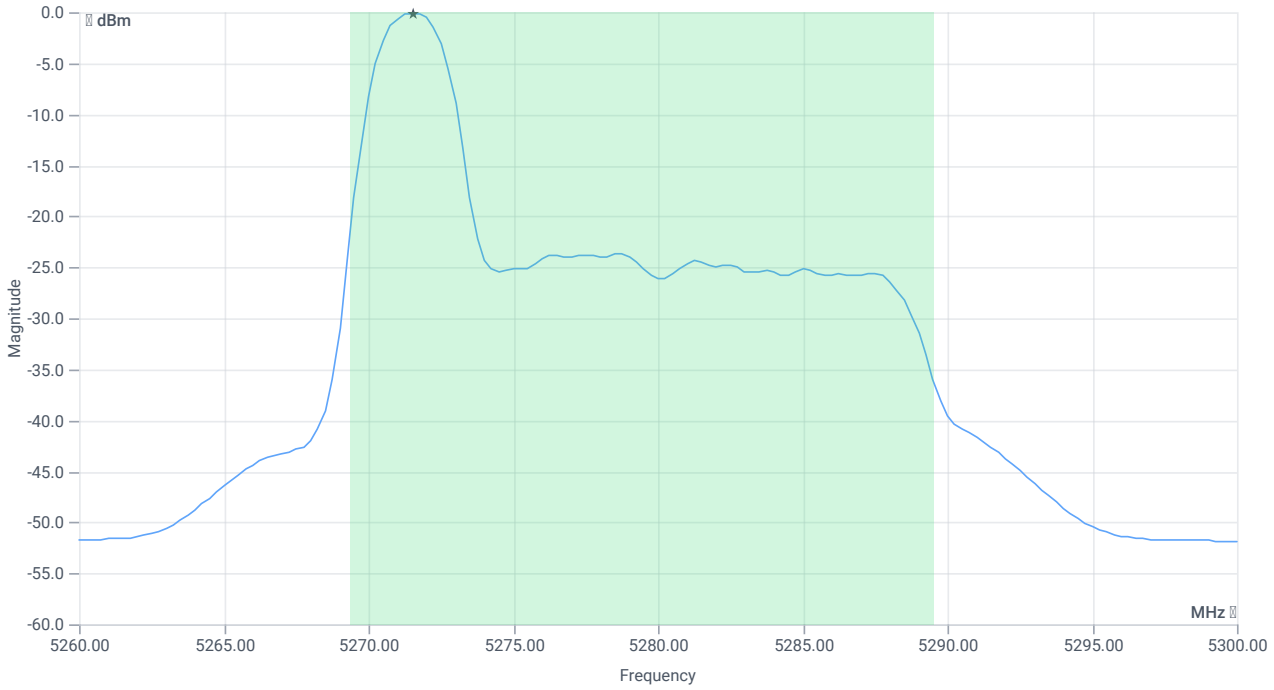
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.75 | 10.84 | 25
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	---	---	2.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.85	dBm	PASS
LIMIT: 11 dBm + 10 log 20.2					
Max output power DC corrected cond	---	24.05	2.85	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.85	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	---	---	-0.11	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.11	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

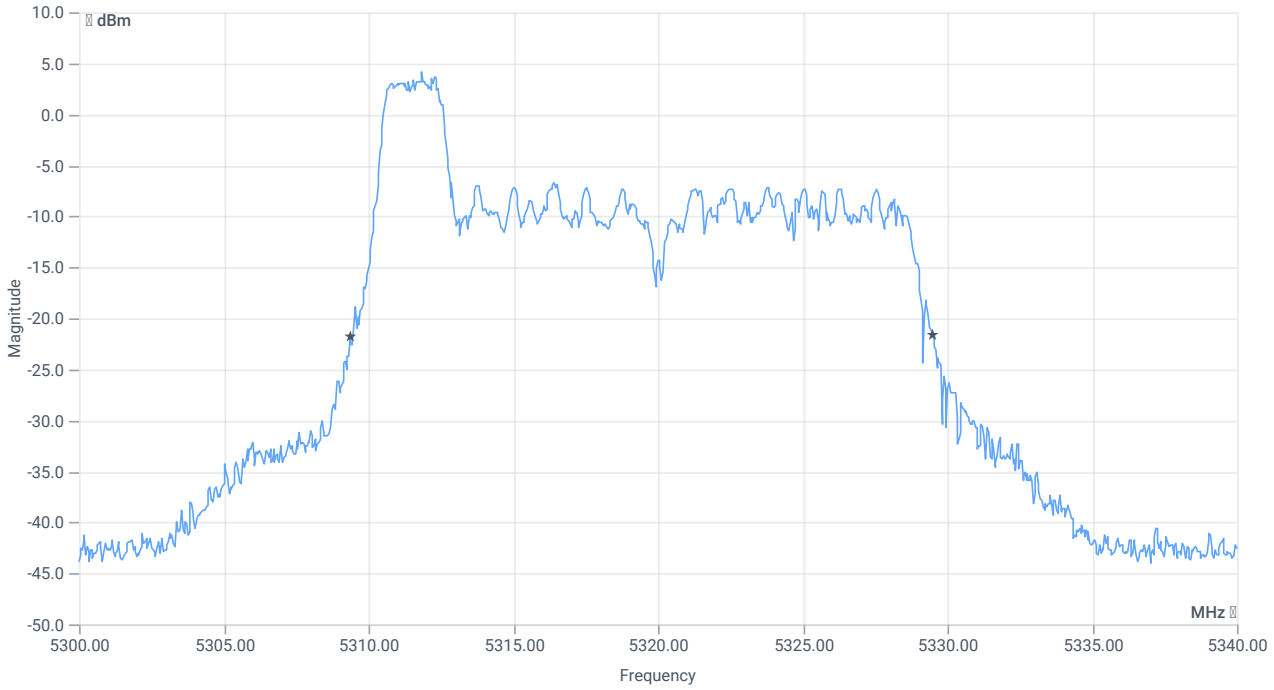
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.06	dBm	INFO
Ref. frequency	---	---	5311.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.12	MHz	INFO
T1 26dB	---	---	5309.3600	MHz	INFO
T2 26dB	---	---	5329.4800	MHz	INFO

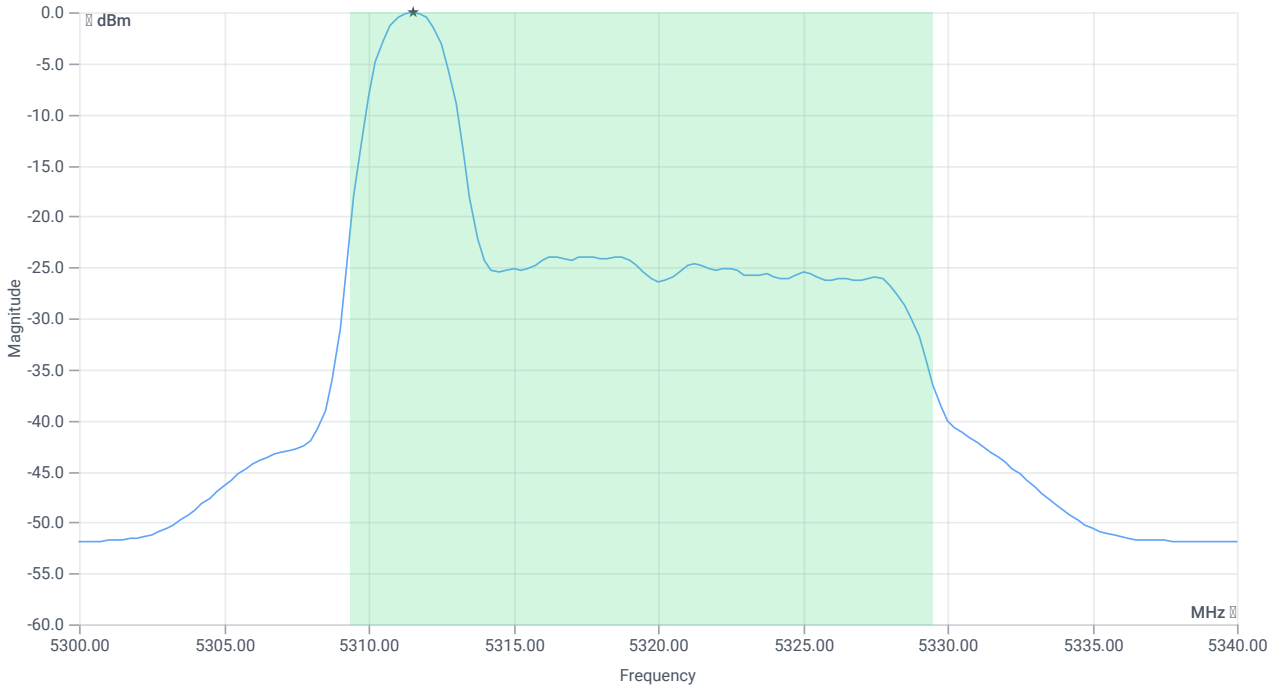
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.06 | 10.76 | 25
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	---	---	2.86	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.86	dBm	PASS
LIMIT: 11 dBm + 10 log 20.12					
Max output power DC corrected cond	---	24.04	2.86	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.86	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	---	---	-0.07	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.07	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 16:09:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

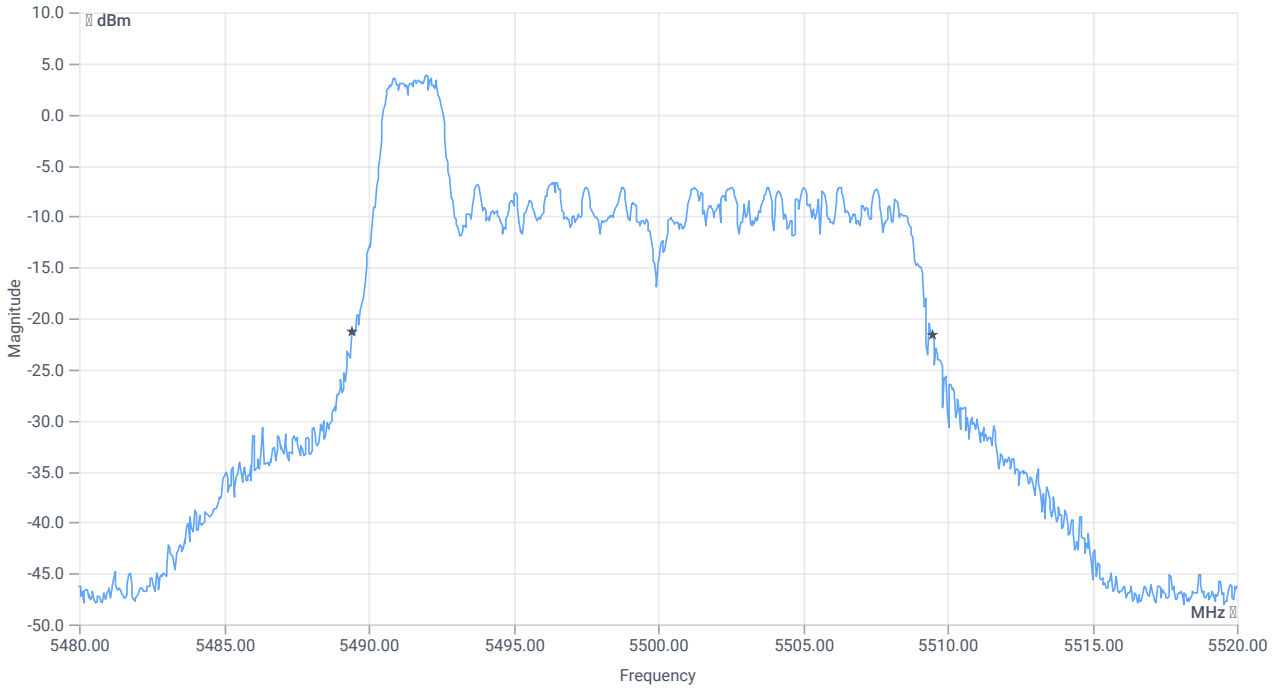
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.03	dBm	INFO
Ref. frequency	---	---	5492.010	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

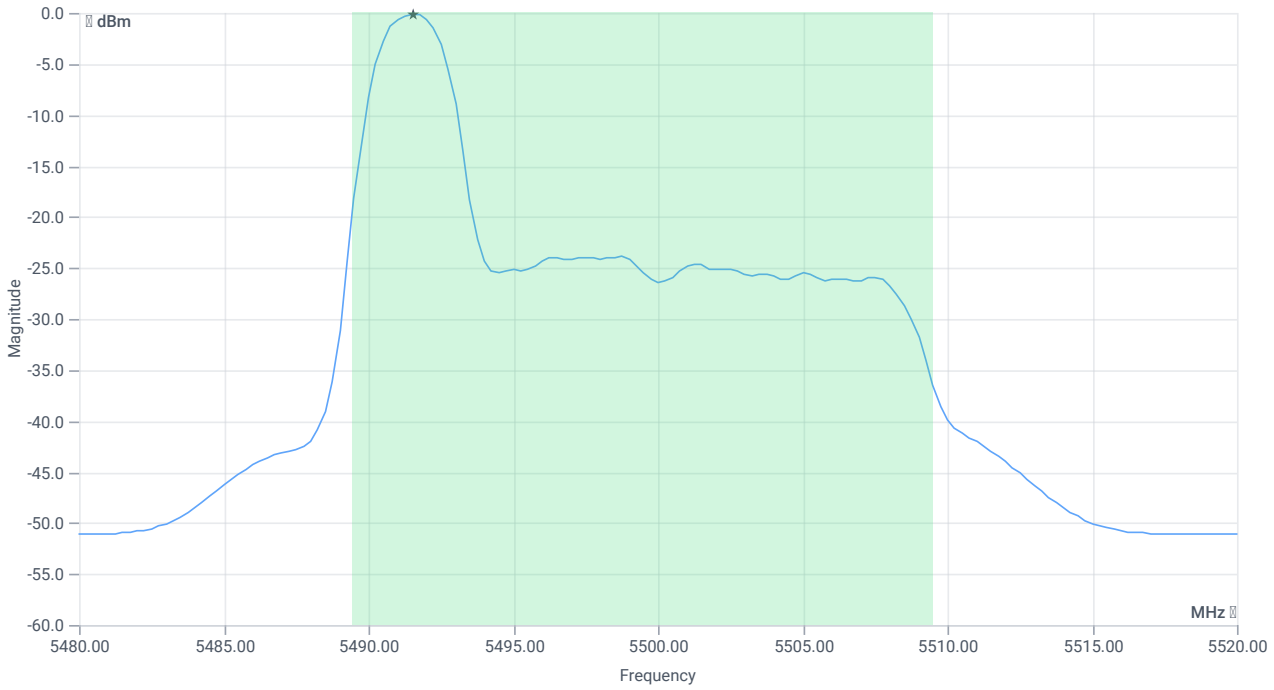
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.04	MHz	INFO
T1 26dB	---	---	5489.4400	MHz	INFO
T2 26dB	---	---	5509.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.03 | 10.87 | 25
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	---	---	2.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.78	dBm	PASS
LIMIT: 11 dBm + 10 log 20.04					
Max output power DC corrected cond	---	24.02	2.78	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.78	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	---	---	-0.16	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.16	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

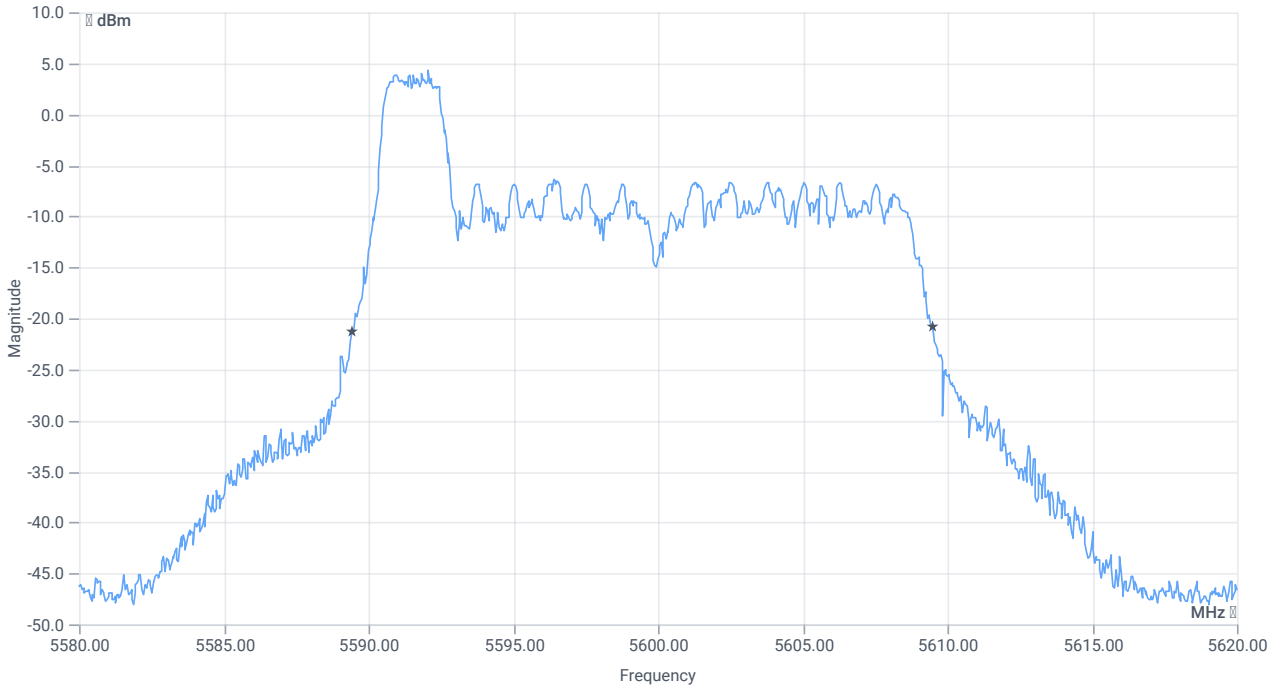
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.16	dBm	INFO
Ref. frequency	---	---	5591.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

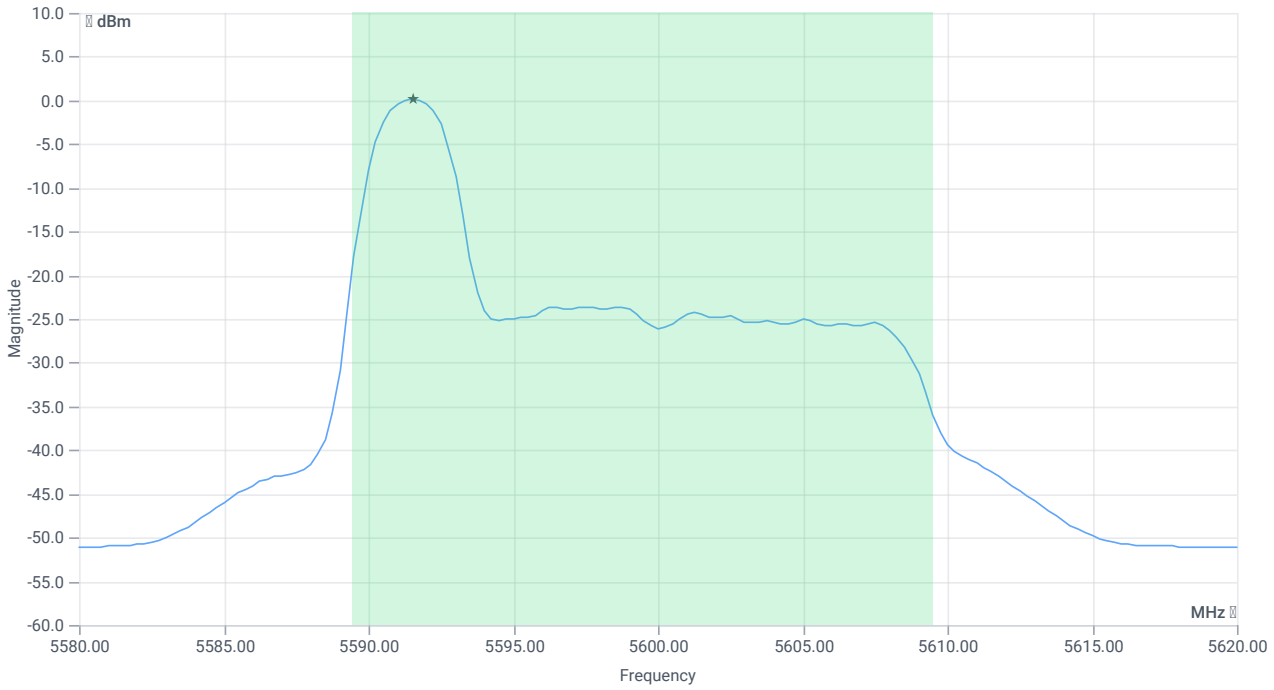
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.04	MHz	INFO
T1 26dB	---	---	5589.4400	MHz	INFO
T2 26dB	---	---	5609.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.16 | 11.02 | 25
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	---	---	3.08	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.08	dBm	PASS
LIMIT: 11 dBm + 10 log 20.04					
Max output power DC corrected cond	---	24.02	3.08	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.08	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	---	---	0.14	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.14	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

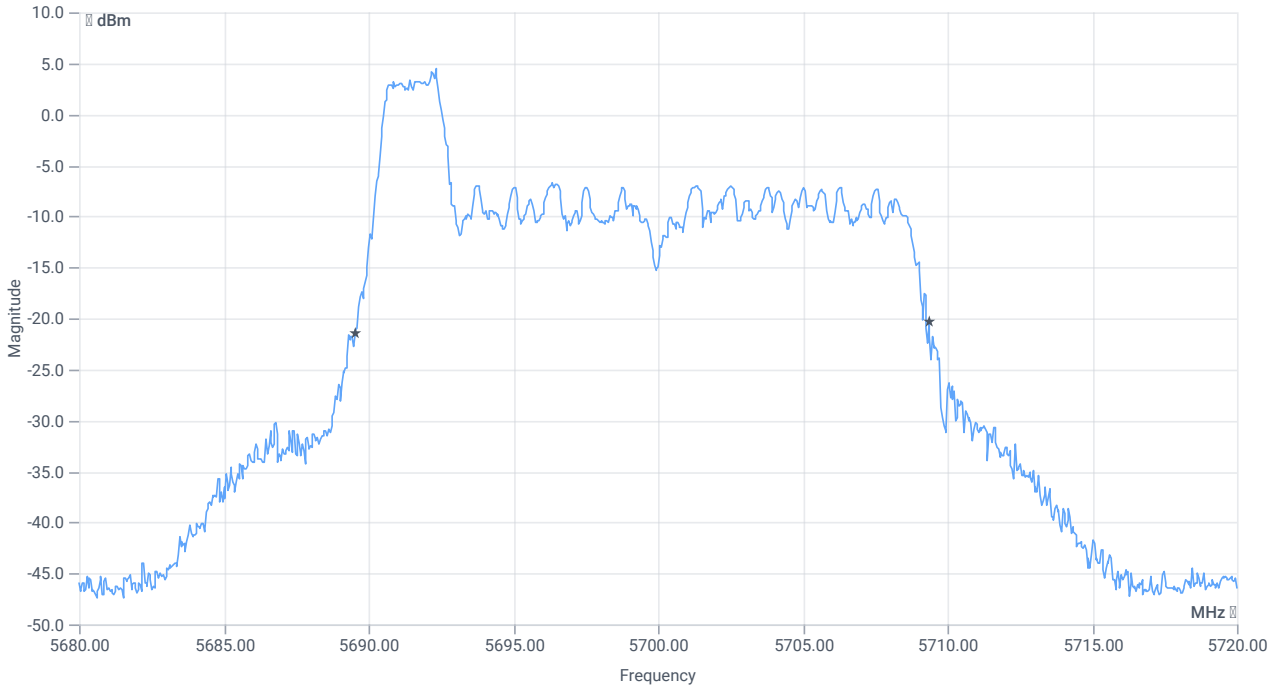
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.39	dBm	INFO
Ref. frequency	---	---	5691.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

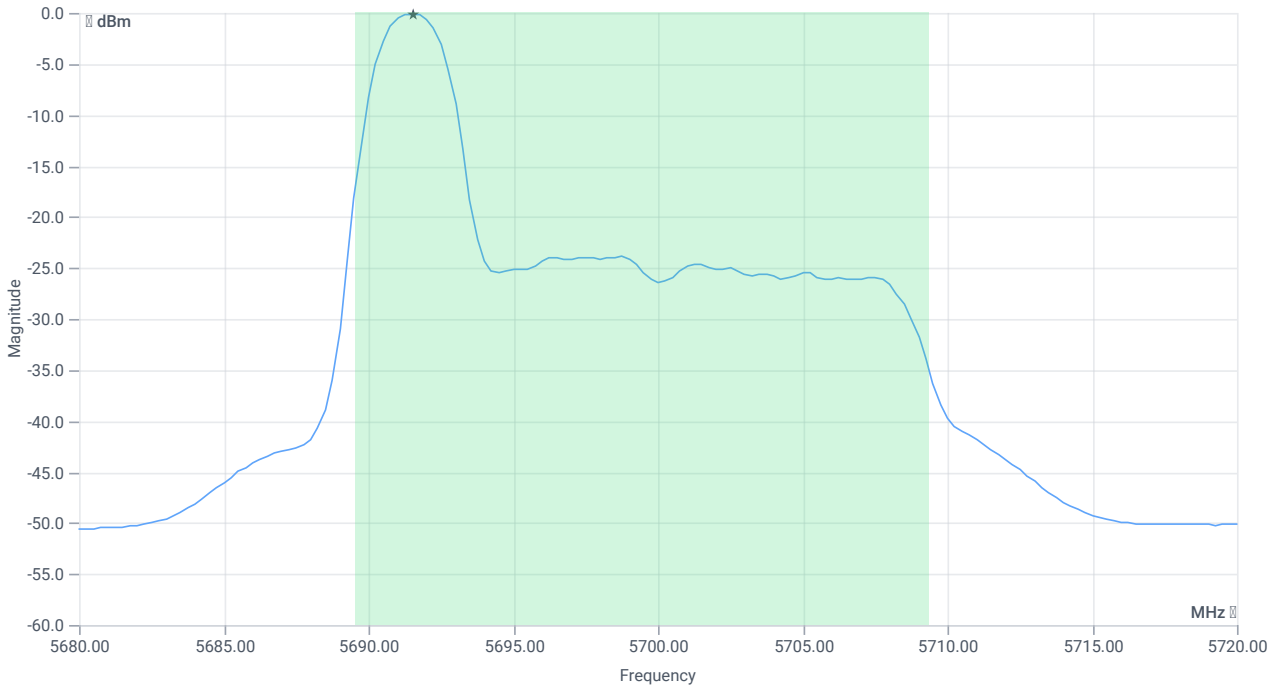
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.84	MHz	INFO
T1 26dB	---	---	5689.5200	MHz	INFO
T2 26dB	---	---	5709.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.39 | 11.16 | 25
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	---	---	2.79	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.79	dBm	PASS
LIMIT: 11 dBm + 10 log 19.84					
Max output power DC corrected cond	---	23.98	2.79	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.79	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	---	---	-0.12	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.12	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 16:18:22
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

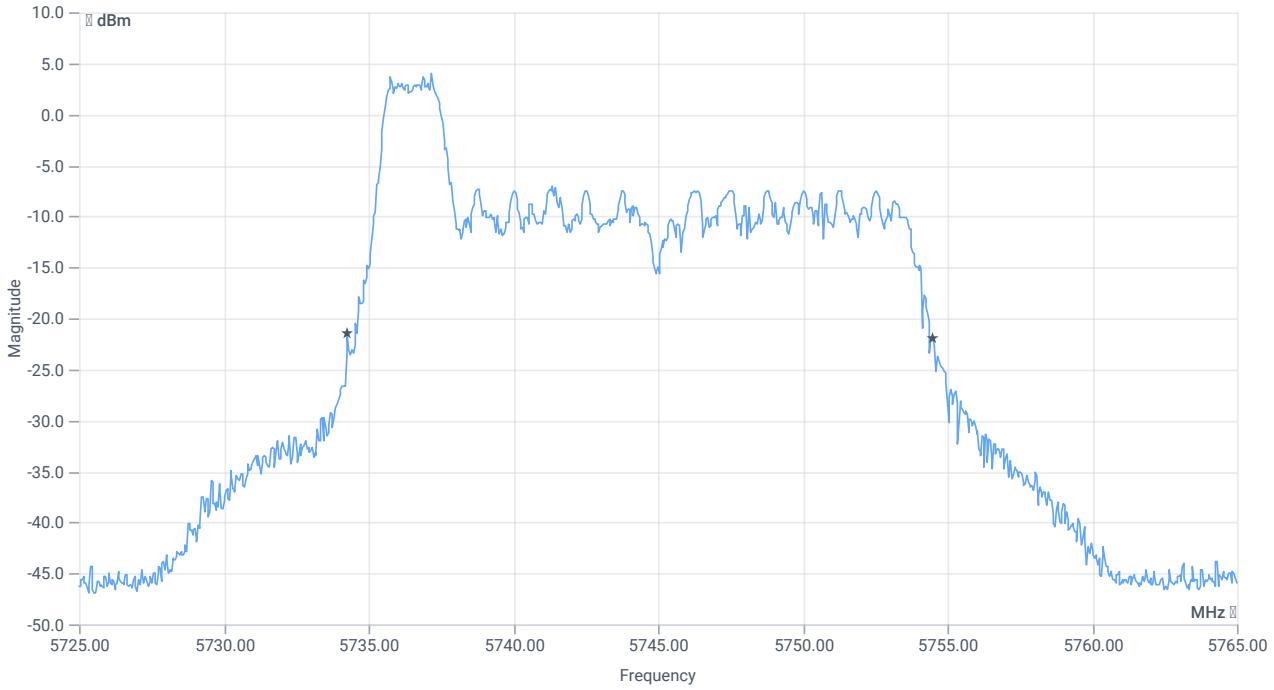
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.13	dBm	INFO
Ref. frequency	---	---	5736.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

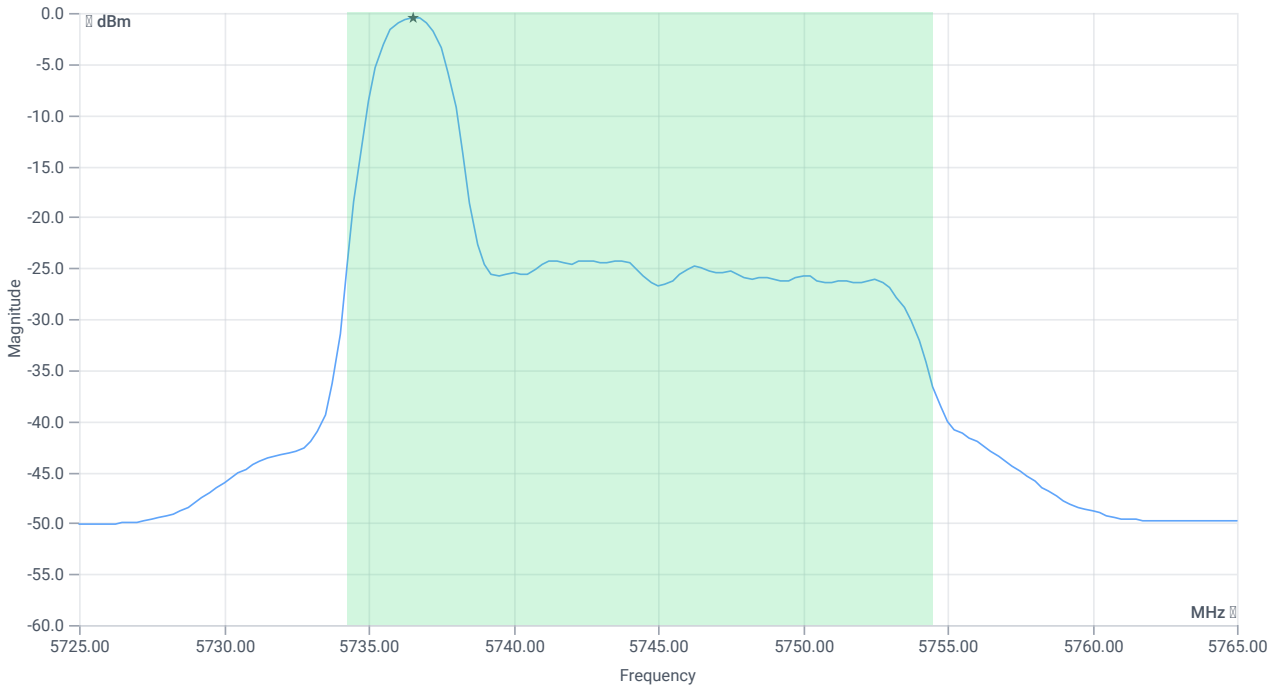
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	---	---	5734.2800	MHz	INFO
T2 26dB	---	---	5754.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.13 | 11.14 | 25
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	---	---	2.47	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.47	dBm	PASS
LIMIT: 11 dBm + 10 log 20.2					
Max output power DC corrected cond	---	24.05	2.47	dBm	na

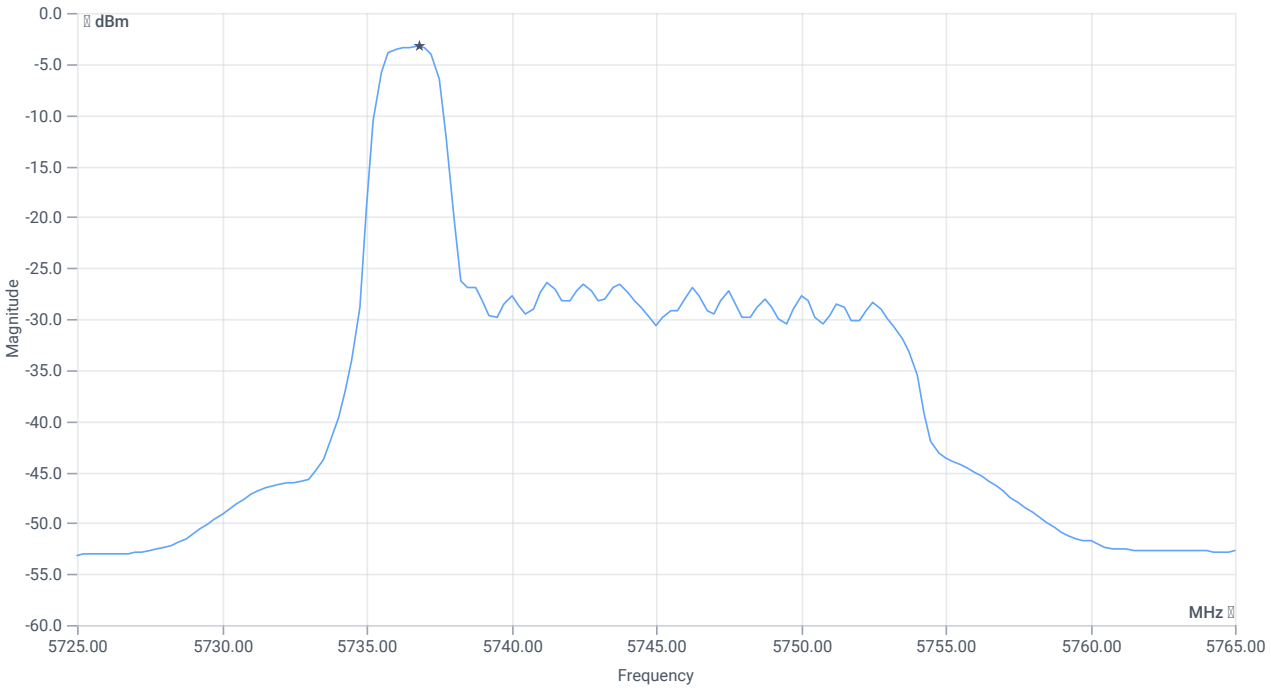
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.13 | 11.14 | 25

READ SA SETTINGS:

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	---	---	-3.32	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.32	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

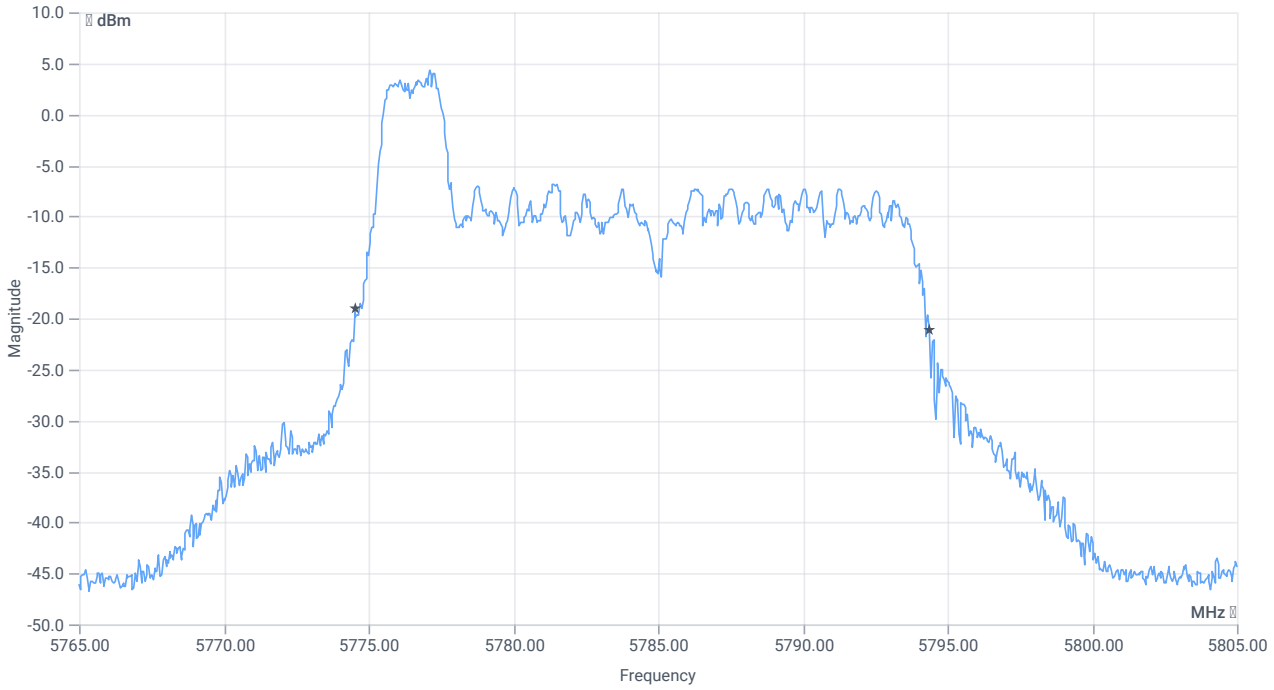
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.53	dBm	INFO
Ref. frequency	---	---	5776.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

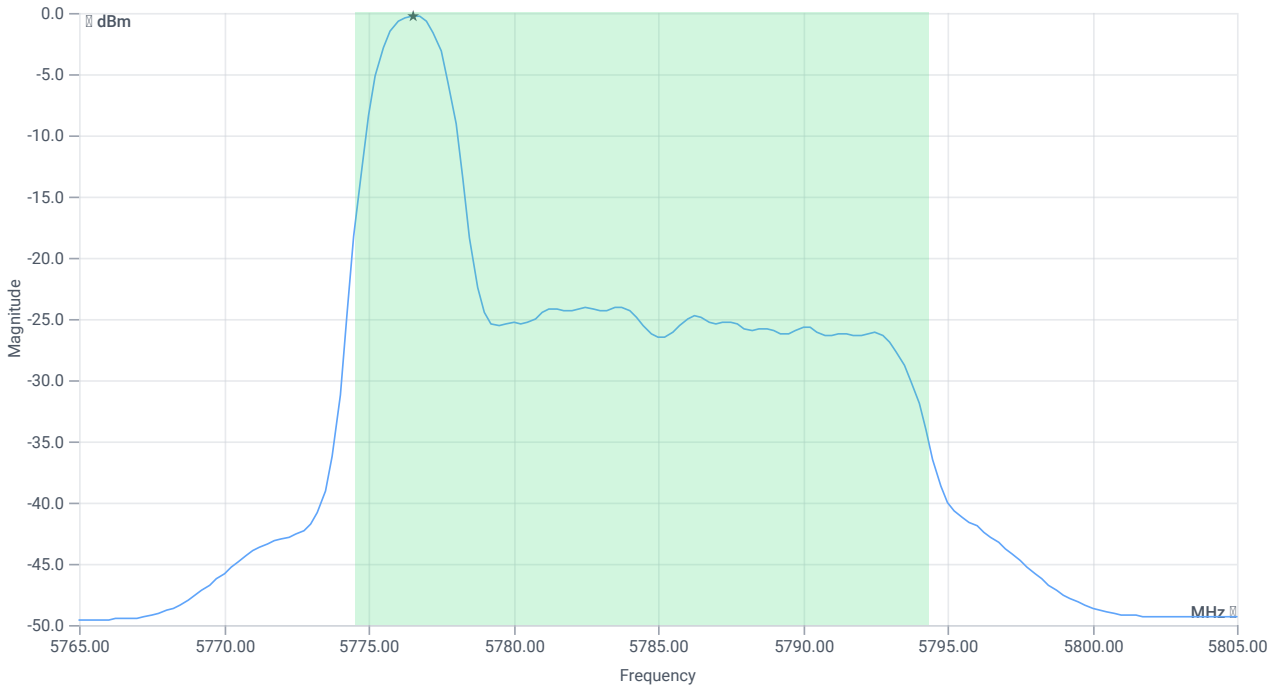
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.88	MHz	INFO
T1 26dB	---	---	5774.5200	MHz	INFO
T2 26dB	---	---	5794.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.53 | 11.31 | 25
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	---	---	2.67	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.67	dBm	PASS
LIMIT: 11 dBm + 10 log 19.88					
Max output power DC corrected cond	---	23.98	2.67	dBm	na

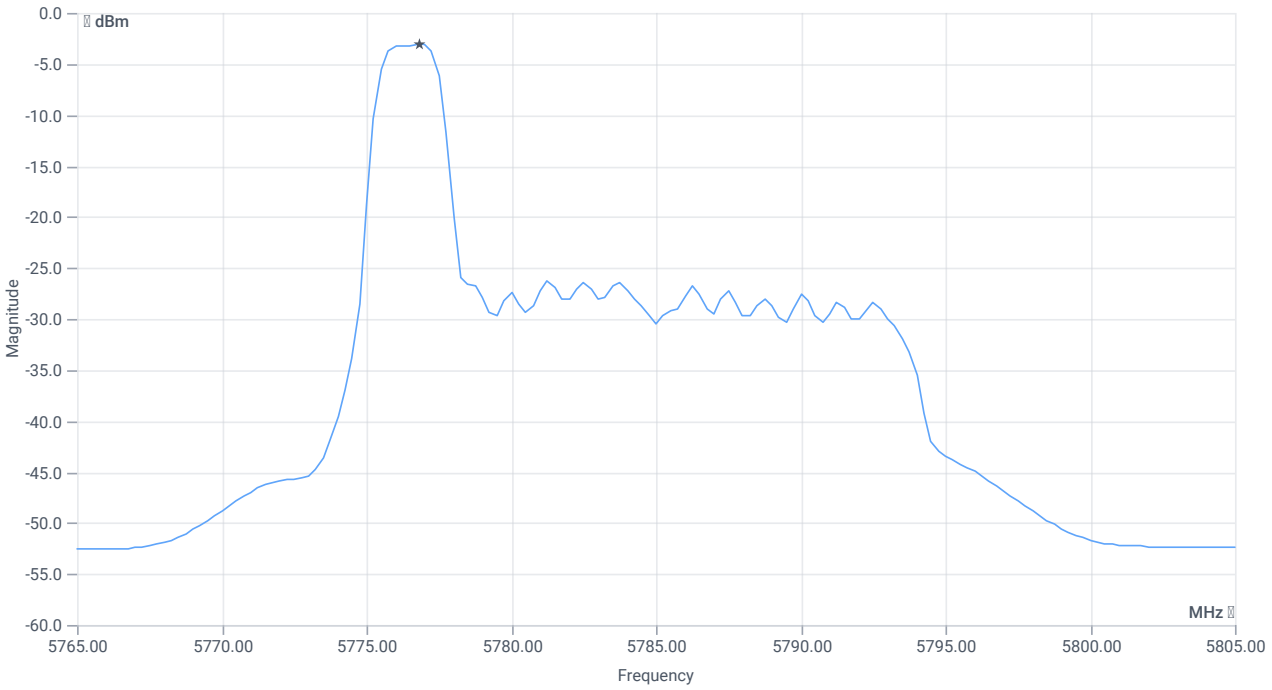
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.53 | 11.31 | 25

READ SA SETTINGS:

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	---	---	-3.09	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.09	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

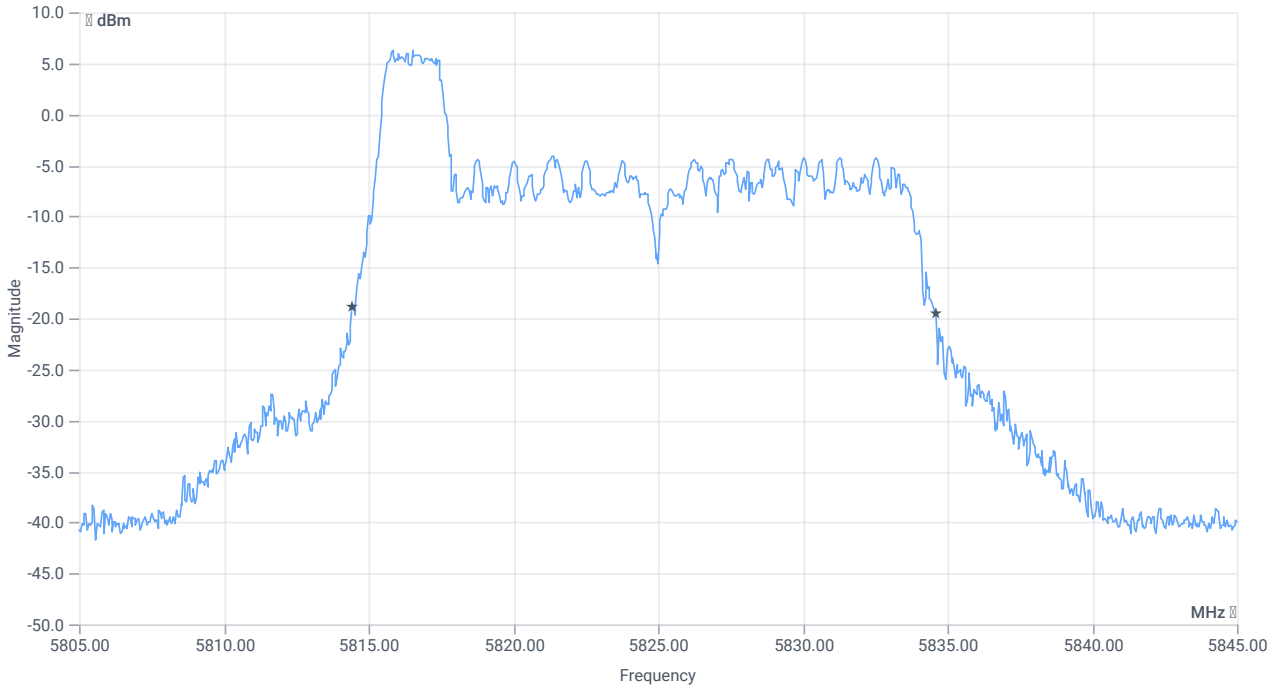
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.61	dBm	INFO
Ref. frequency	---	---	5816.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

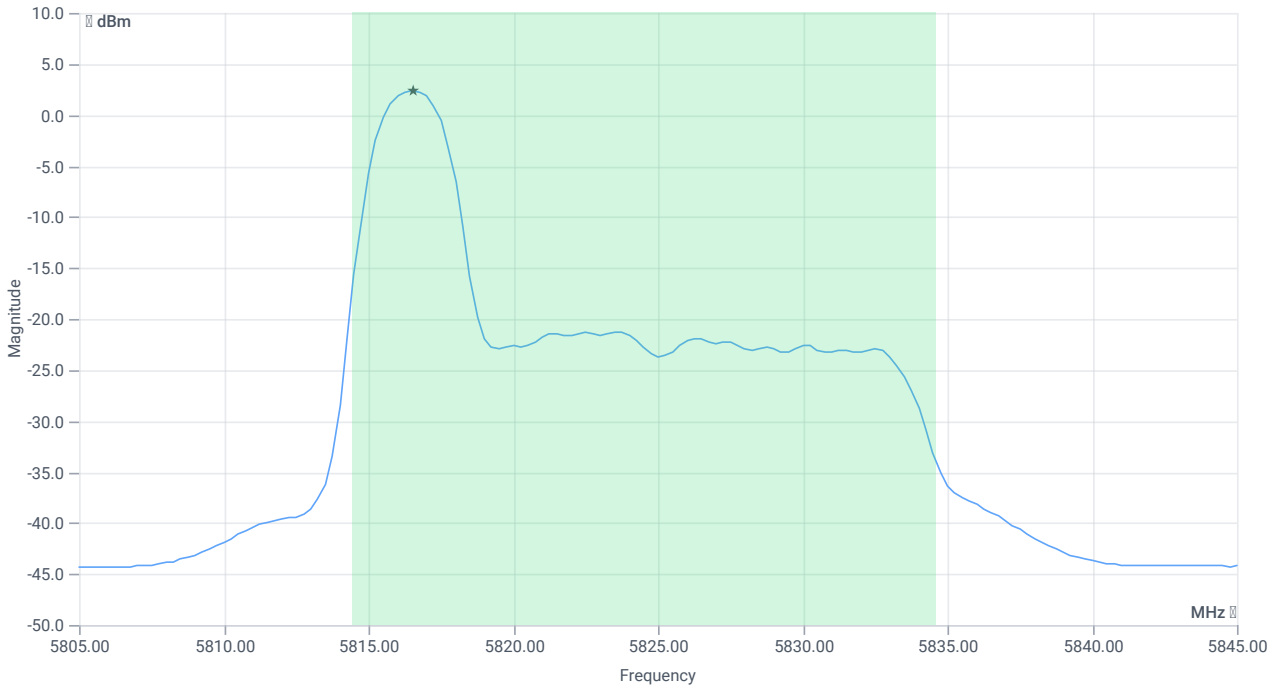
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.16	MHz	INFO
T1 26dB	---	---	5814.4400	MHz	INFO
T2 26dB	---	---	5834.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.61 | 11.29 | 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	---	---	5.29	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	5.29	dBm	PASS
LIMIT: 11 dBm + 10 log 20.16					
Max output power DC corrected cond	---	24.04	5.29	dBm	na

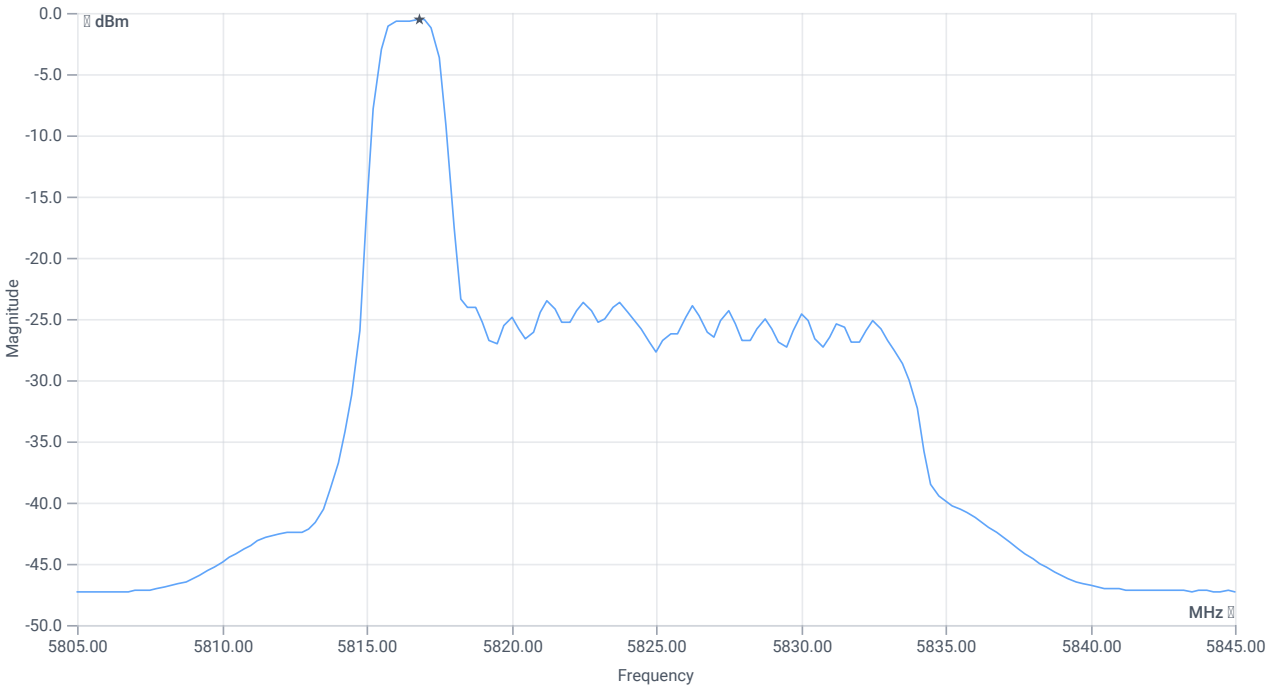
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.61 | 11.29 | 30

READ SA SETTINGS:

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	---	---	-0.52	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.52	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	14.01.2026 15:10:37
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

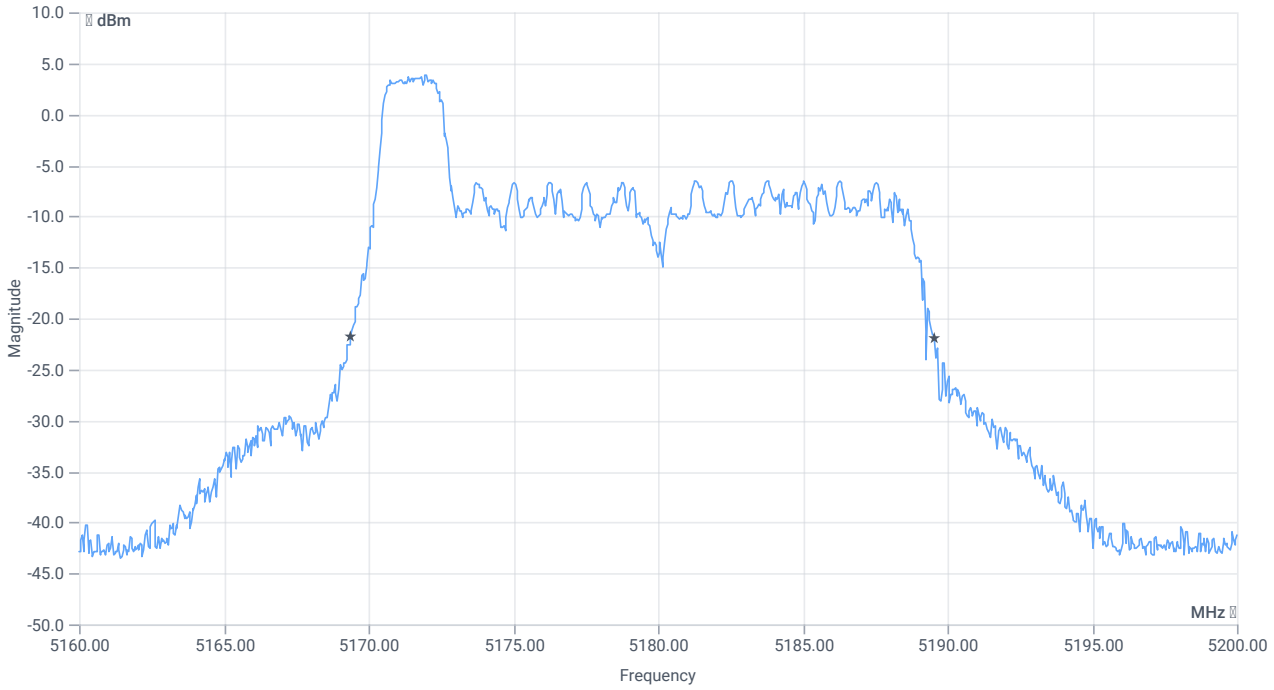
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.12	dBm	INFO
Ref. frequency	---	---	5171.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

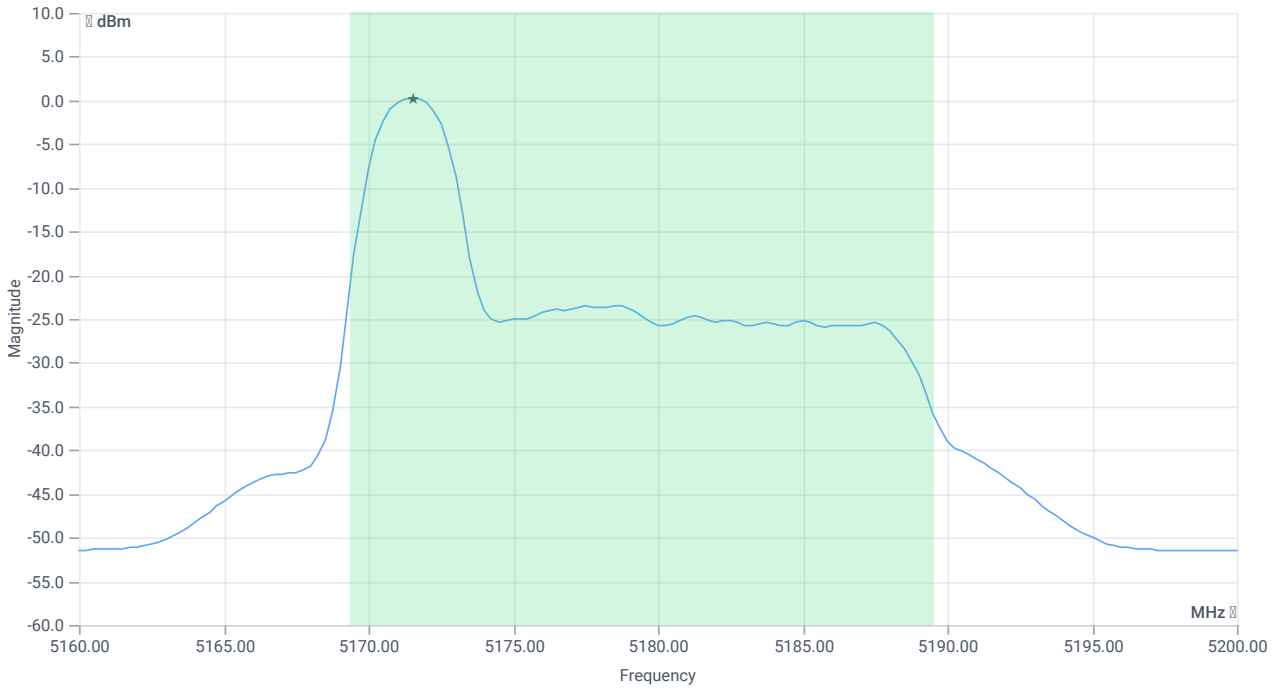
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.16	MHz	INFO
T1 26dB	---	---	5169.4000	MHz	INFO
T2 26dB	---	---	5189.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.12 | 10.89 | 25
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	---	---	3.19	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.19	dBm	PASS
LIMIT: 11 dBm + 10 log 20.16					
Max output power DC corrected cond	---	24.04	3.19	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

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/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.23	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

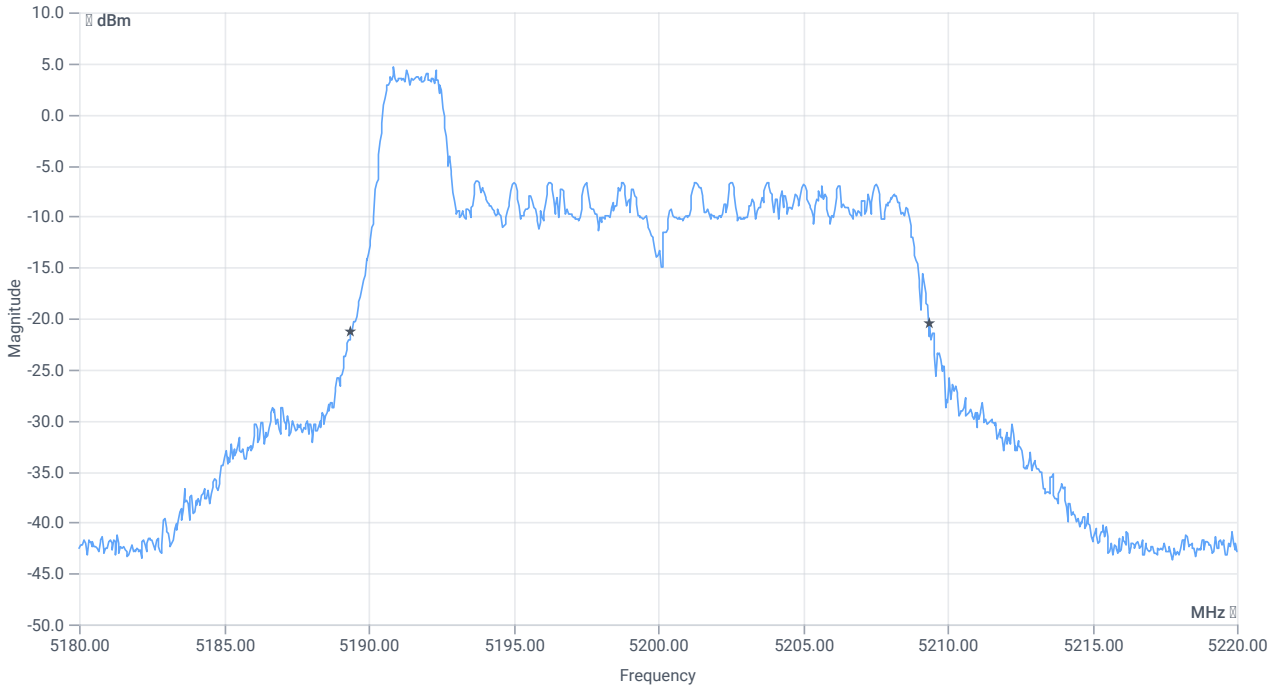
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.87	dBm	INFO
Ref. frequency	---	---	5191.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

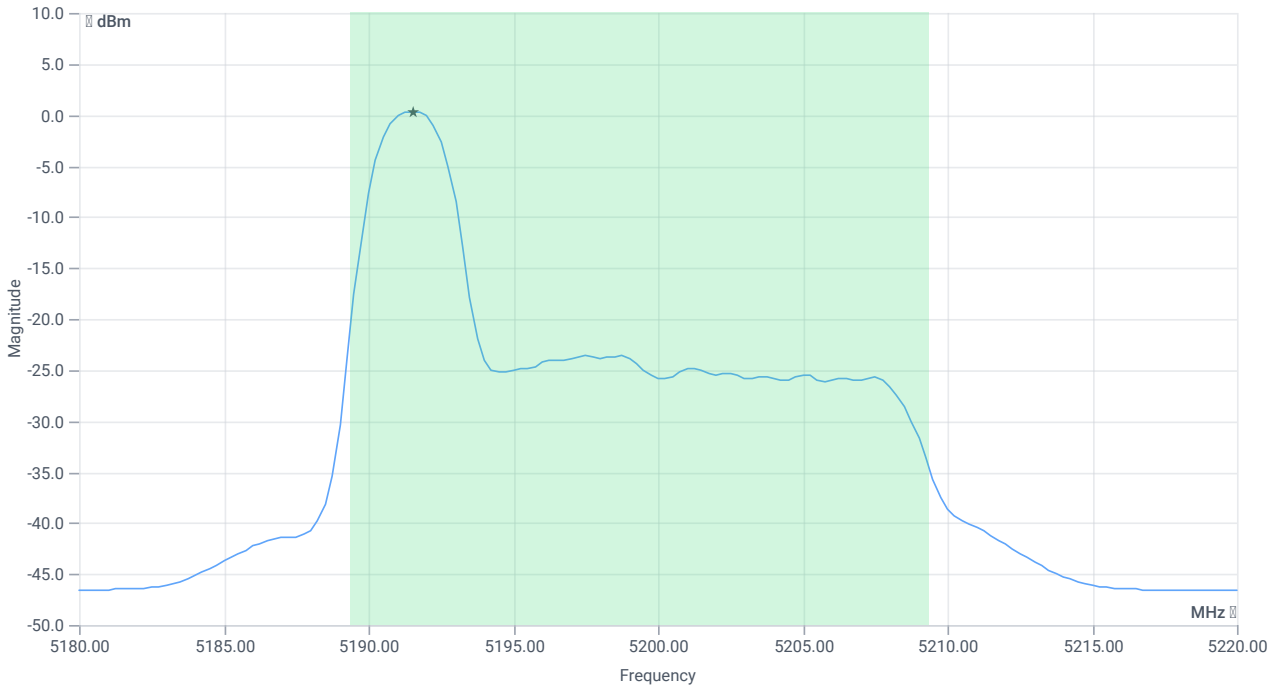
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20	MHz	INFO
T1 26dB	---	---	5189.4000	MHz	INFO
T2 26dB	---	---	5209.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.87 | 10.85 | 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	---	---	3.29	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.29	dBm	PASS
LIMIT: 11 dBm + 10 log 20					
Max output power DC corrected cond	---	24.01	3.29	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.35	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.35	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

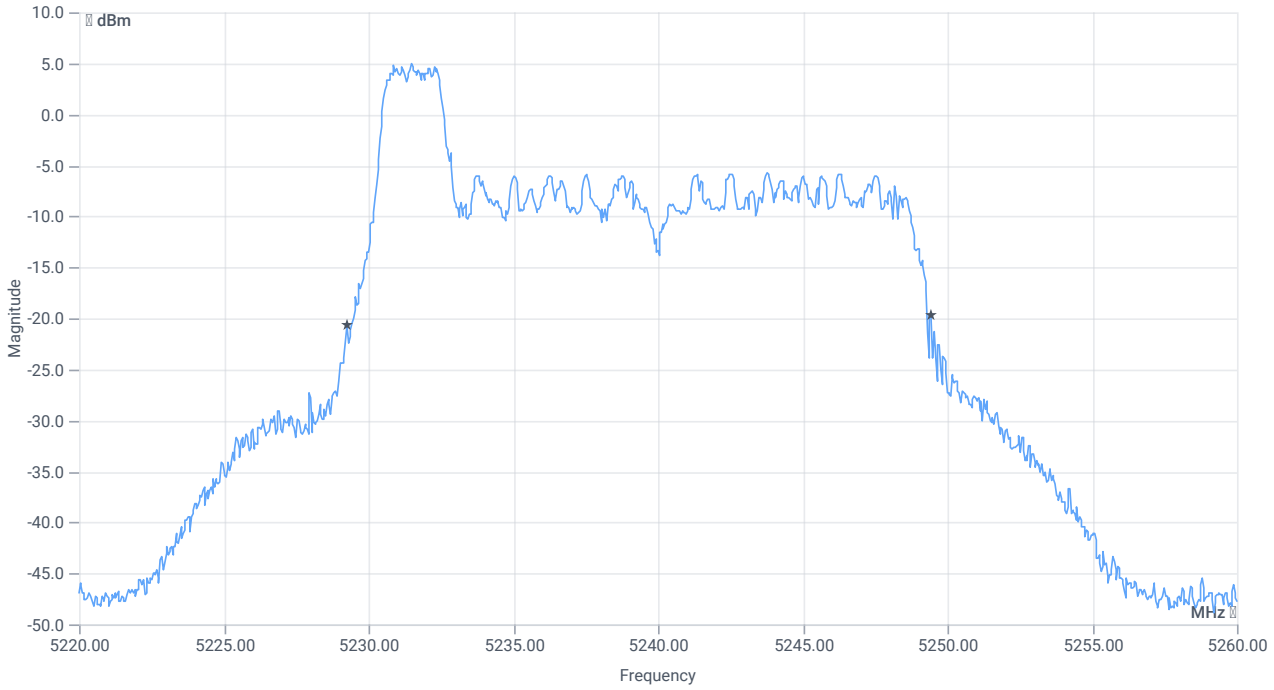
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.70	dBm	INFO
Ref. frequency	---	---	5232.010	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

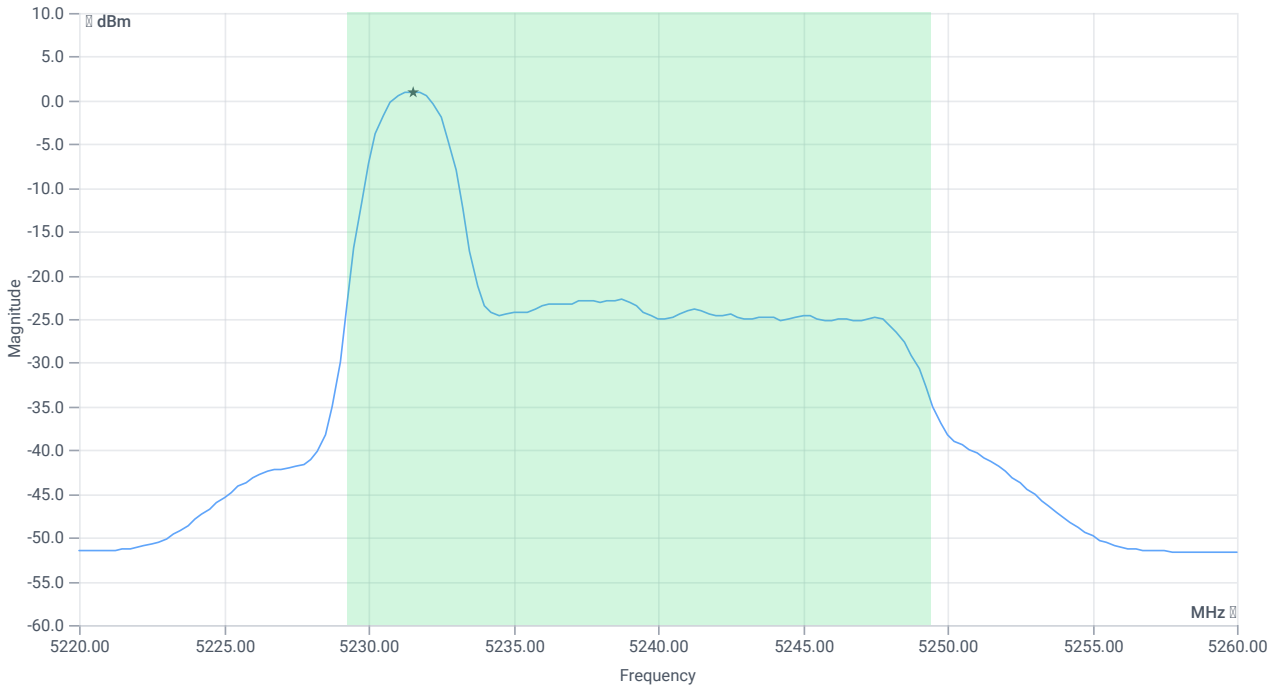
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.2	MHz	INFO
T1 26dB	---	---	5229.2400	MHz	INFO
T2 26dB	---	---	5249.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.70 | 10.86 | 25
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	---	---	3.89	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.89	dBm	PASS
LIMIT: 11 dBm + 10 log 20.2					
Max output power DC corrected cond	---	24.05	3.89	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.94	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.94	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 15:16:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

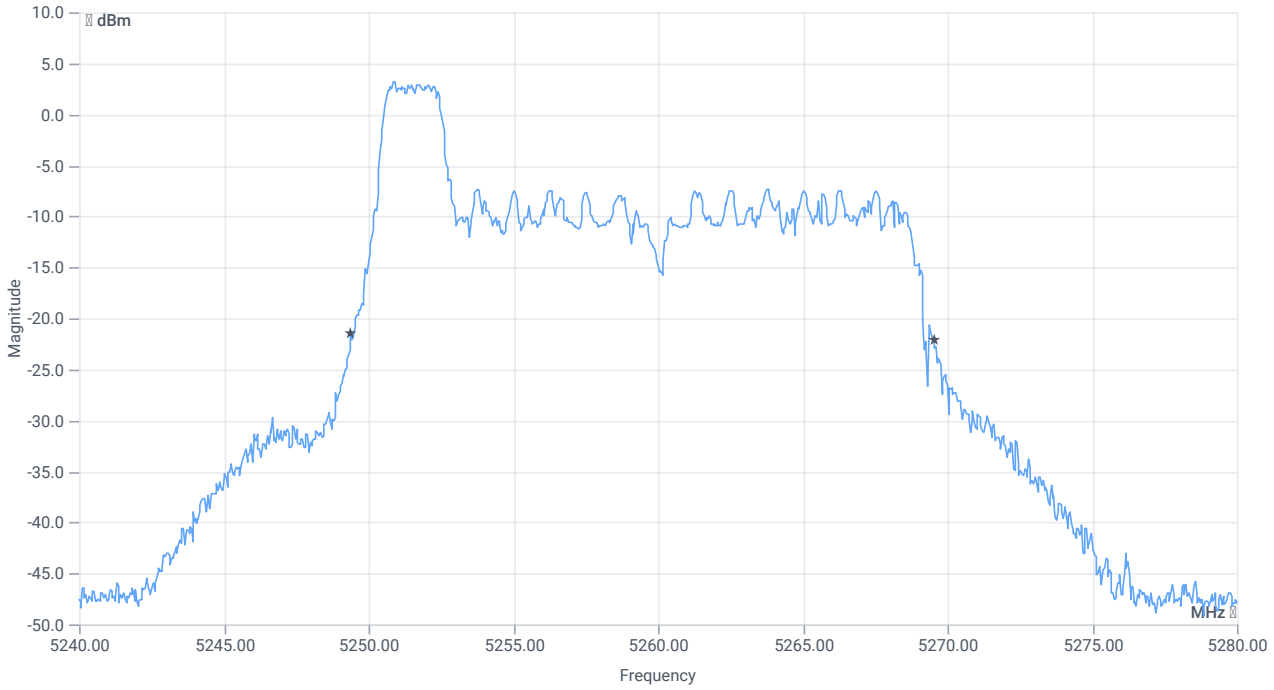
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.92	dBm	INFO
Ref. frequency	---	---	5251.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.12	MHz	INFO
T1 26dB	---	---	5249.4000	MHz	INFO
T2 26dB	---	---	5269.5200	MHz	INFO

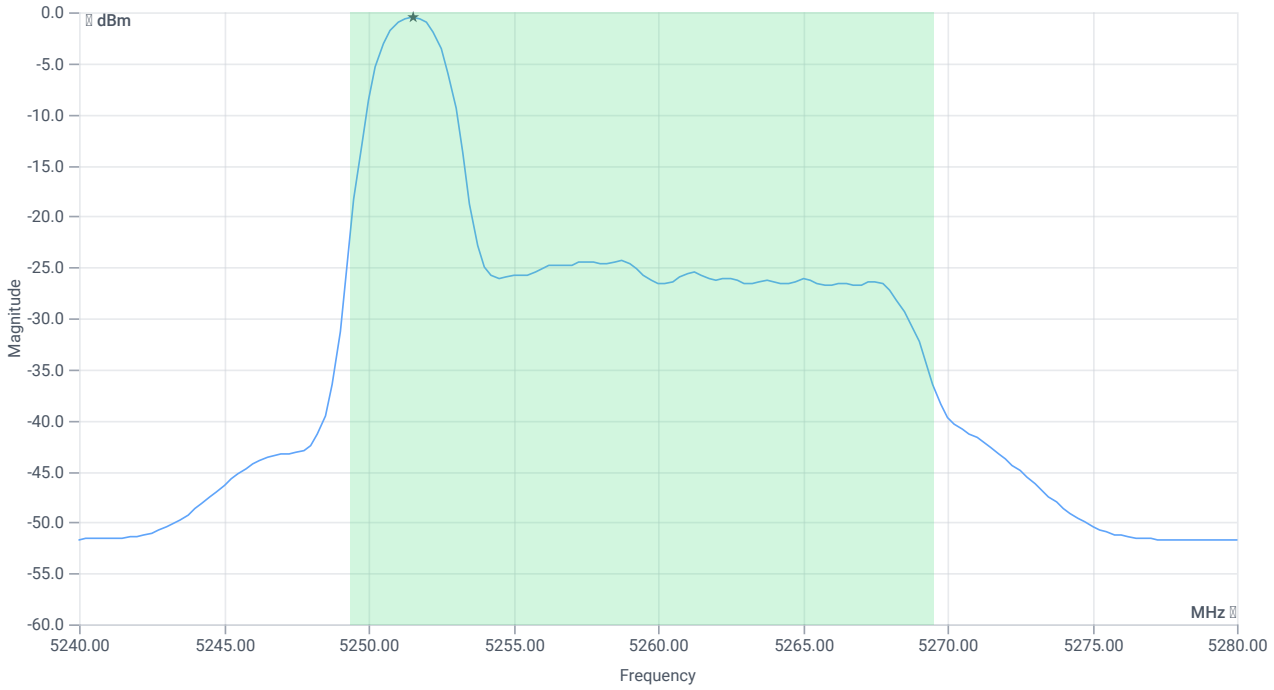
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.92 | 10.85 | 25
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	---	---	2.4	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.4	dBm	PASS
LIMIT: 11 dBm + 10 log 20.12					
Max output power DC corrected cond	---	24.04	2.4	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.4	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	---	---	-0.55	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.55	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

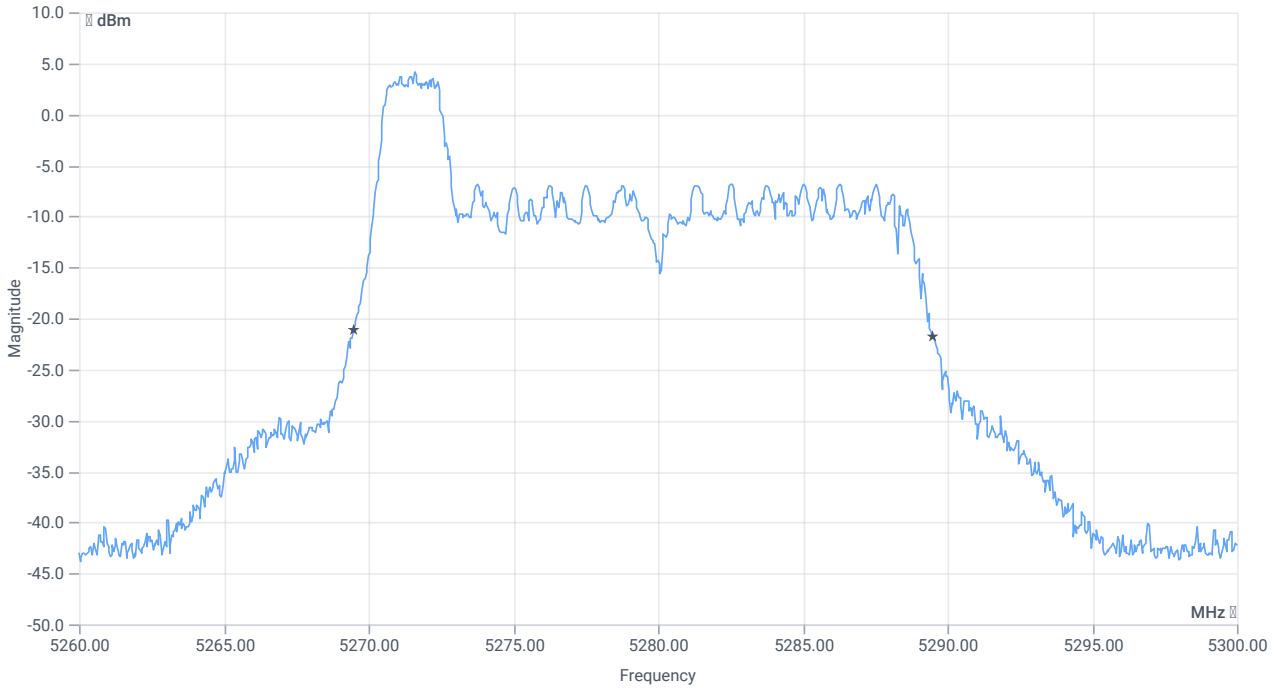
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.30	dBm	INFO
Ref. frequency	---	---	5271.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20	MHz	INFO
T1 26dB	---	---	5269.4800	MHz	INFO
T2 26dB	---	---	5289.4800	MHz	INFO

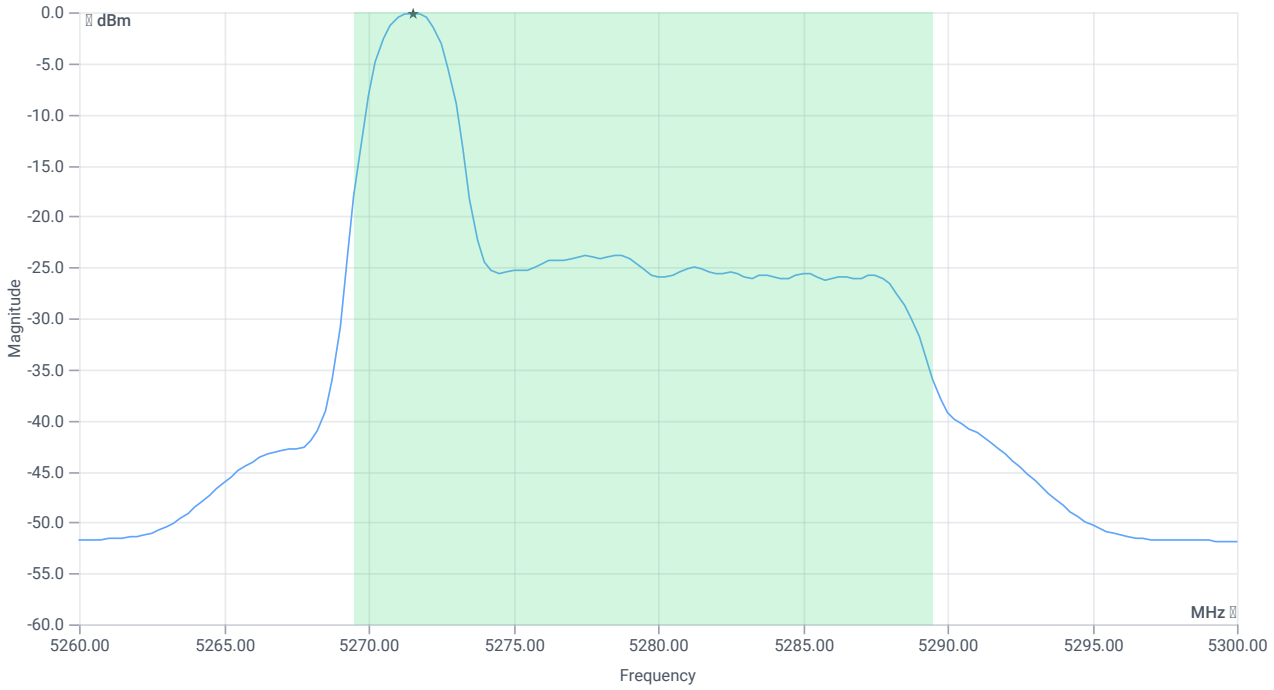
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.30 | 10.84 | 25
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	---	---	2.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.85	dBm	PASS
LIMIT: 11 dBm + 10 log 20					
Max output power DC corrected cond	---	24.01	2.85	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.85	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	---	---	-0.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.09	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

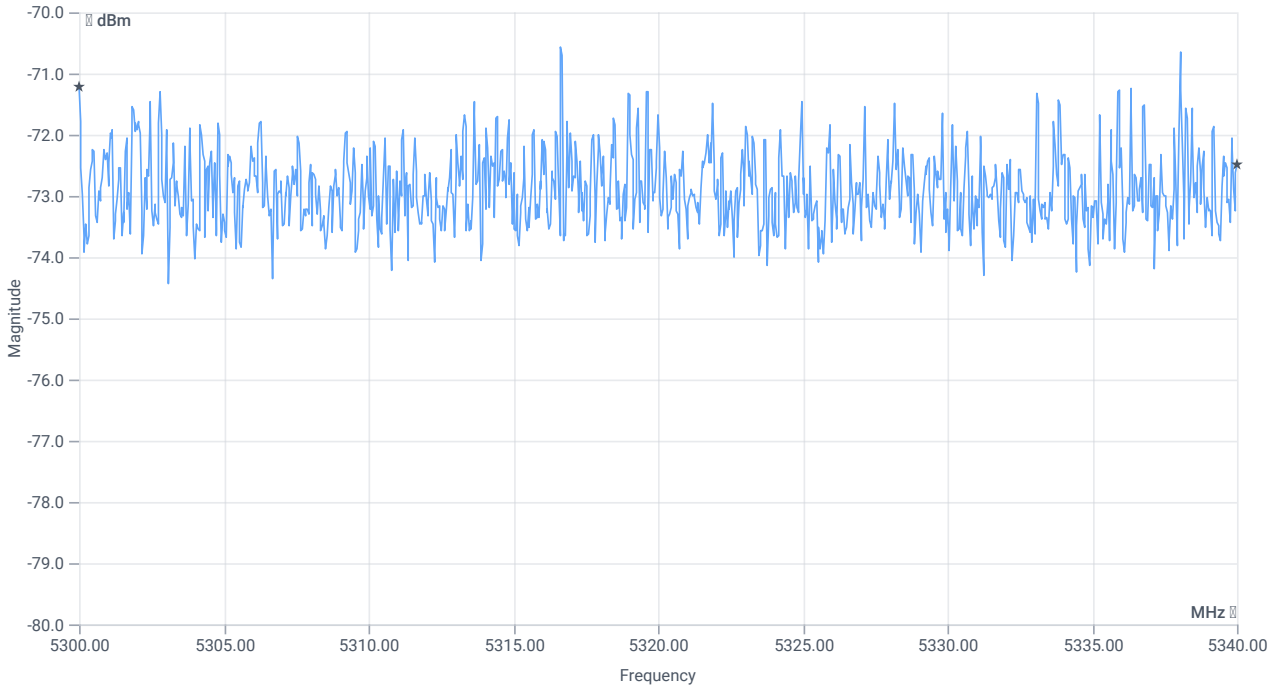
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-25.34	dBm	INFO
Ref. frequency	---	---	5368.150	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40	MHz	INFO
T1 26dB	---	---	5300.0000	MHz	INFO
T2 26dB	---	---	5340.0000	MHz	INFO

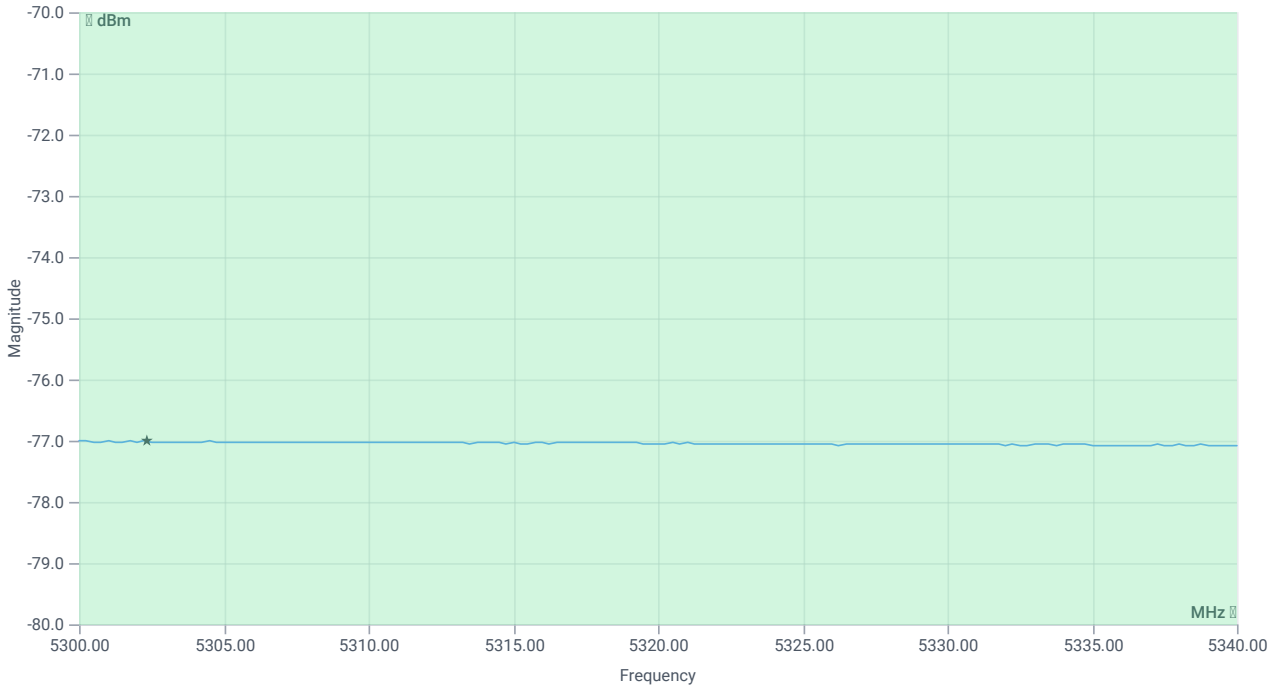
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	-13.34 | 10.76 | 0
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	---	---	-61.3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	-61.3	dBm	PASS
LIMIT: 11 dBm + 10 log 40					
Max output power DC corrected cond	---	27.02	-61.3	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	-61.3	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	---	---	-77	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-77	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 15:25:01
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

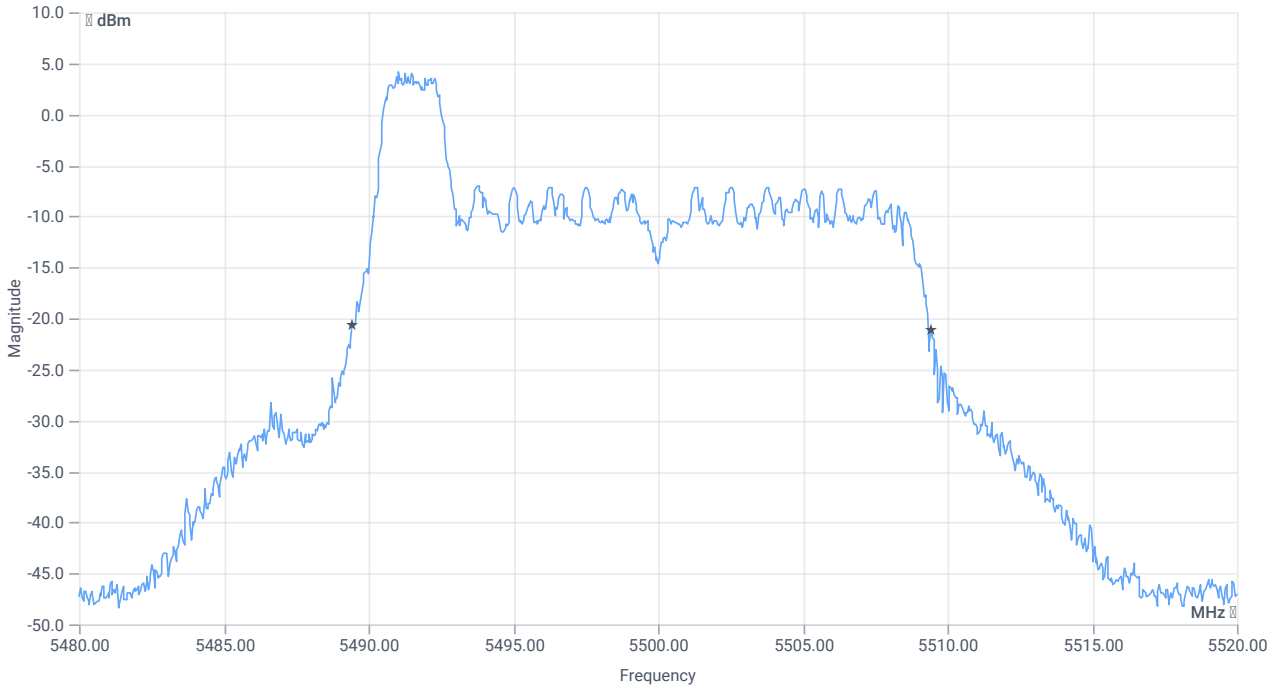
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.20	dBm	INFO
Ref. frequency	---	---	5491.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

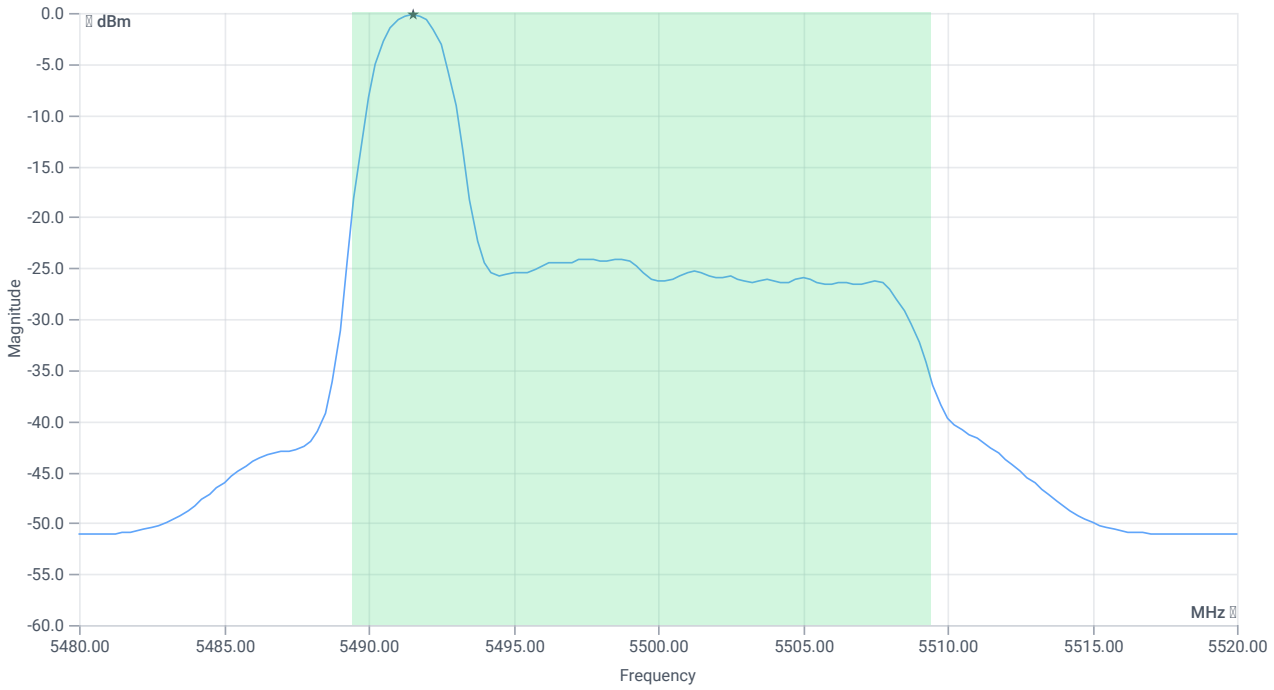
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20	MHz	INFO
T1 26dB	---	---	5489.4400	MHz	INFO
T2 26dB	---	---	5509.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.20 | 10.87 | 25
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	---	---	2.72	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.72	dBm	PASS
LIMIT: 11 dBm + 10 log 20					
Max output power DC corrected cond	---	24.01	2.72	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.72	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	---	---	-0.22	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.22	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

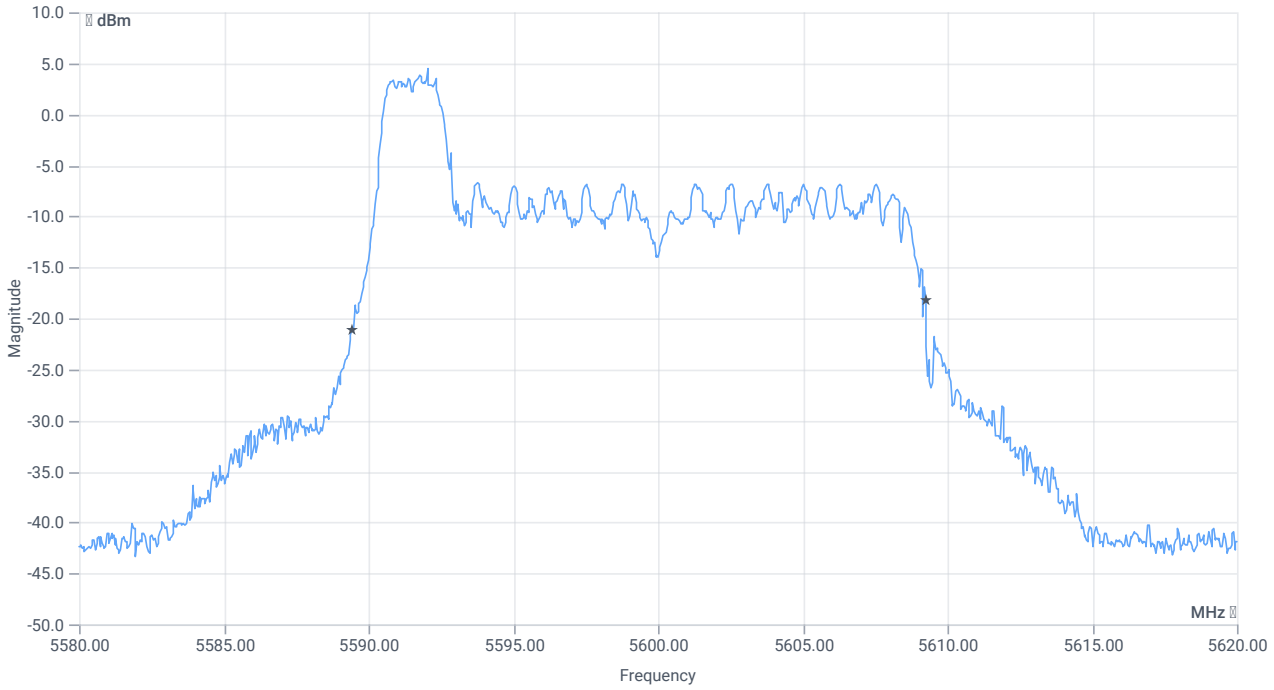
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.29	dBm	INFO
Ref. frequency	---	---	5591.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

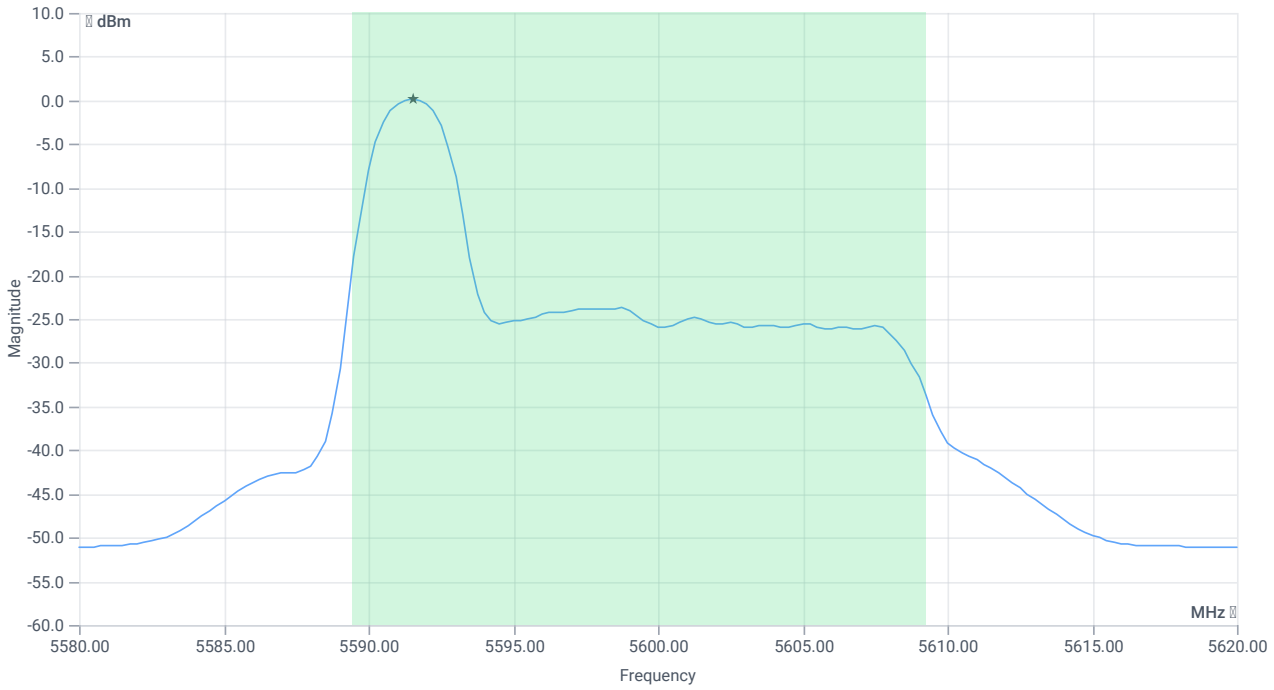
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.8	MHz	INFO
T1 26dB	---	---	5589.4400	MHz	INFO
T2 26dB	---	---	5609.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.29 | 11.02 | 25
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	---	---	3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3	dBm	PASS
LIMIT: 11 dBm + 10 log 19.8					
Max output power DC corrected cond	---	23.97	3	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	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	---	---	0.1	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.1	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

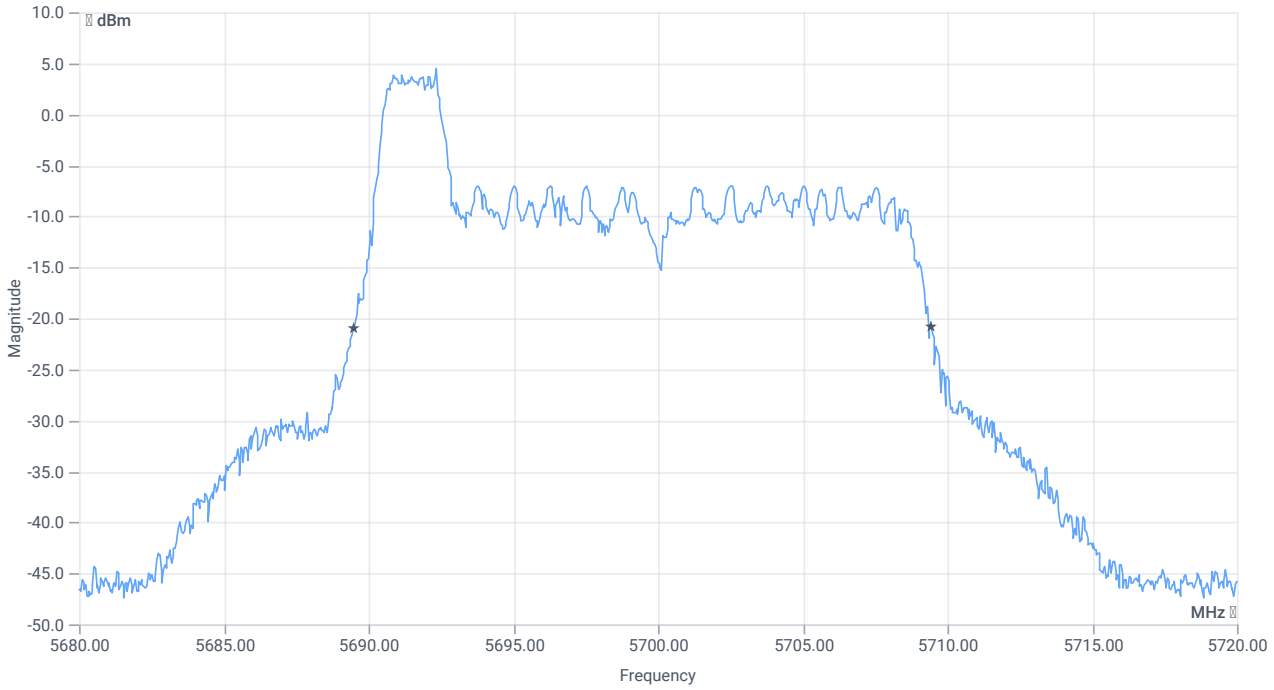
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.36	dBm	INFO
Ref. frequency	---	---	5691.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

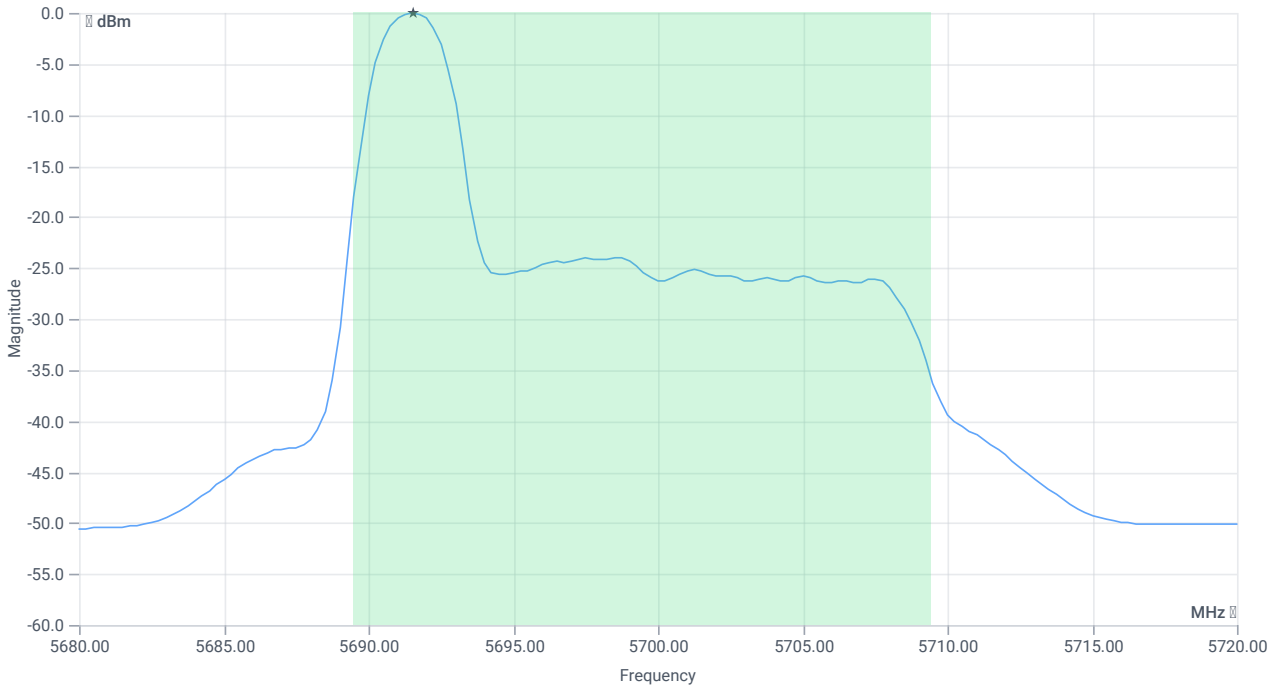
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.96	MHz	INFO
T1 26dB	---	---	5689.4800	MHz	INFO
T2 26dB	---	---	5709.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.36 | 11.16 | 25
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	---	---	2.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.85	dBm	PASS
LIMIT: 11 dBm + 10 log 19.96					
Max output power DC corrected cond	---	24	2.85	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.85	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	---	---	-0.07	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.07	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 15:34:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

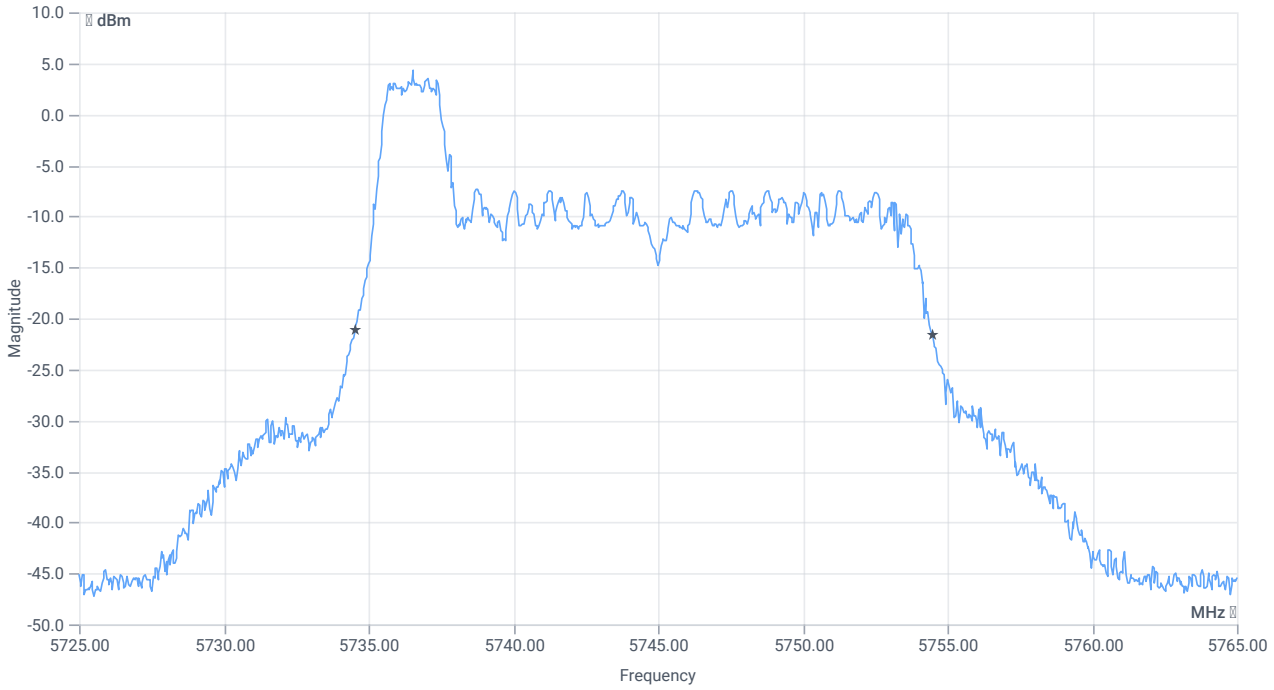
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.39	dBm	INFO
Ref. frequency	---	---	5736.210	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

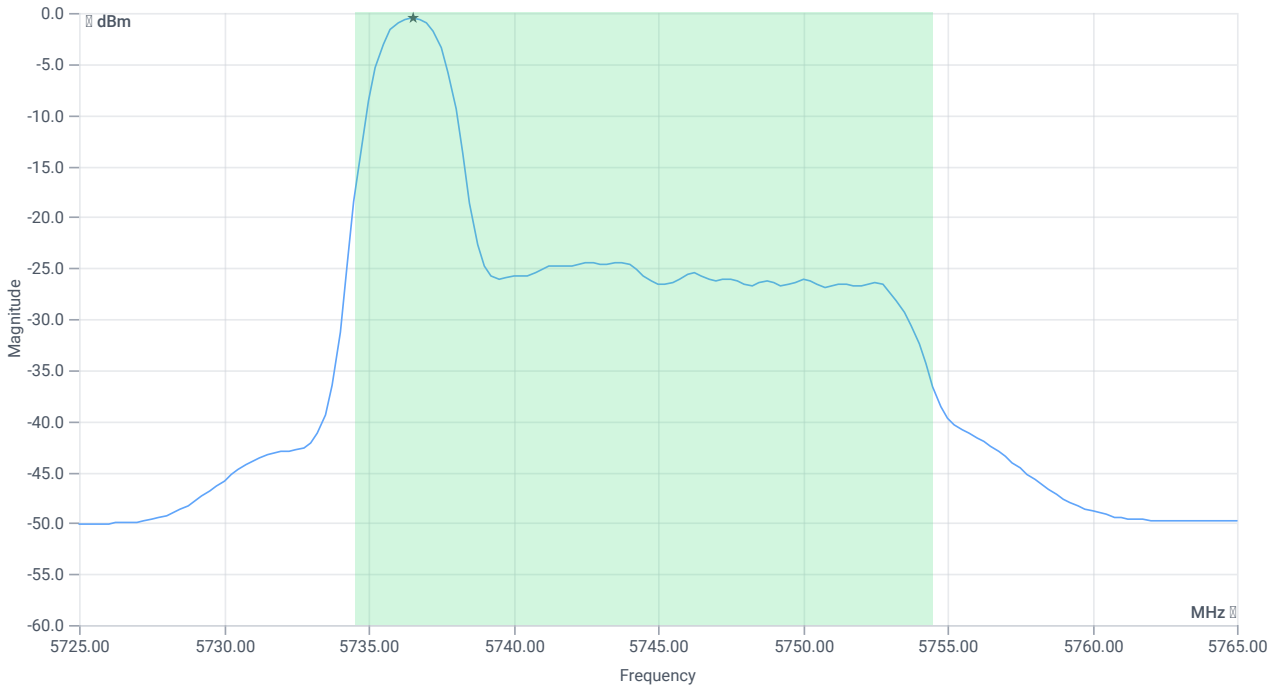
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.96	MHz	INFO
T1 26dB	---	---	5734.5200	MHz	INFO
T2 26dB	---	---	5754.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.39 | 11.14 | 25
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	---	---	2.42	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.42	dBm	PASS
LIMIT: 11 dBm + 10 log 19.96					
Max output power DC corrected cond	---	24	2.42	dBm	na

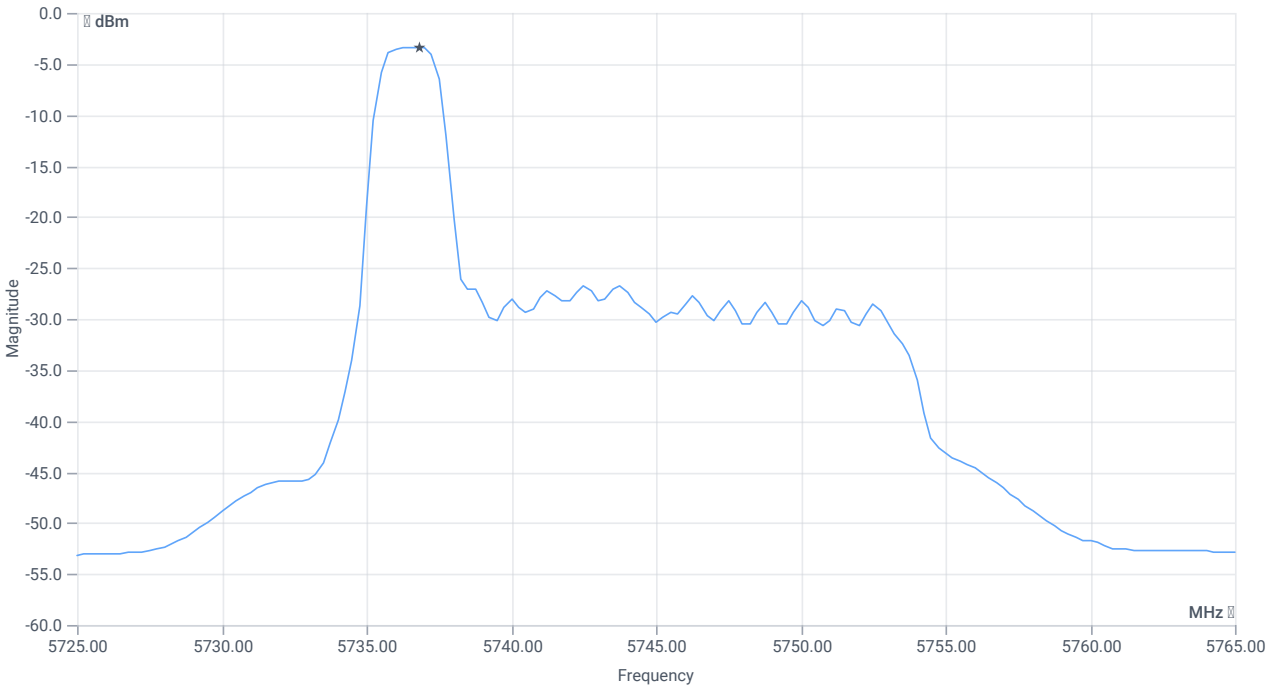
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.39 | 11.14 | 25

READ SA SETTINGS:

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	---	---	-3.38	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.38	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

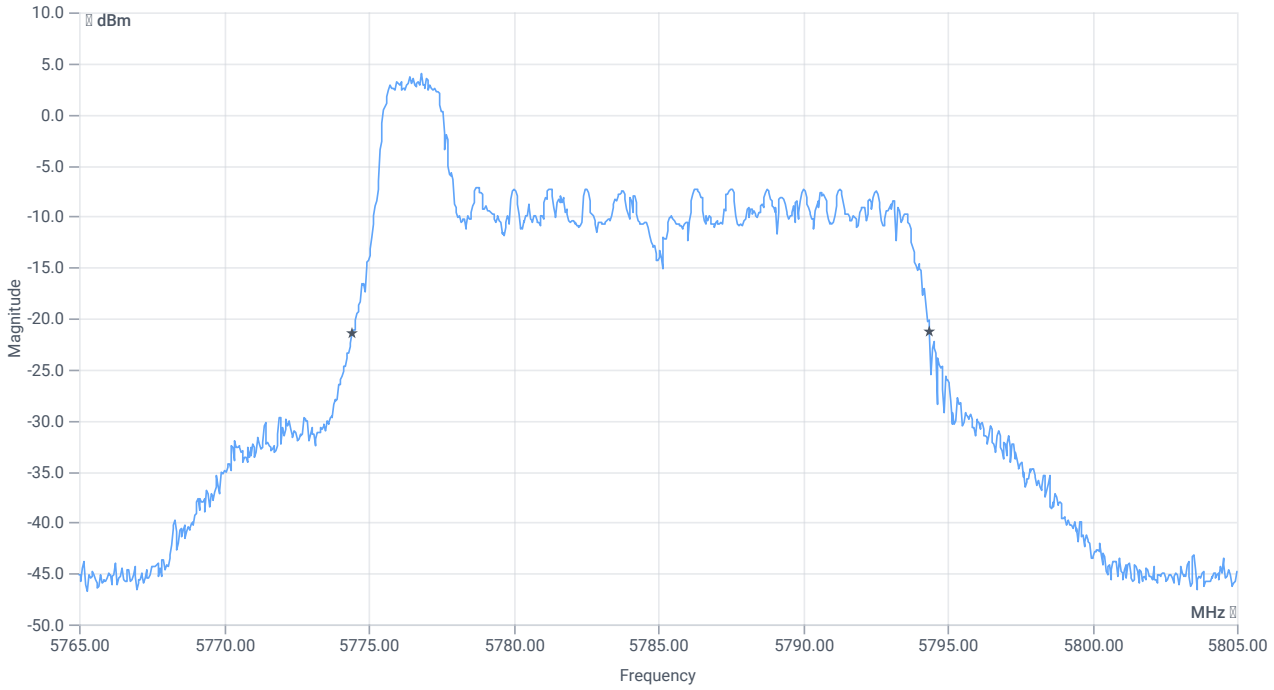
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.25	dBm	INFO
Ref. frequency	---	---	5776.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

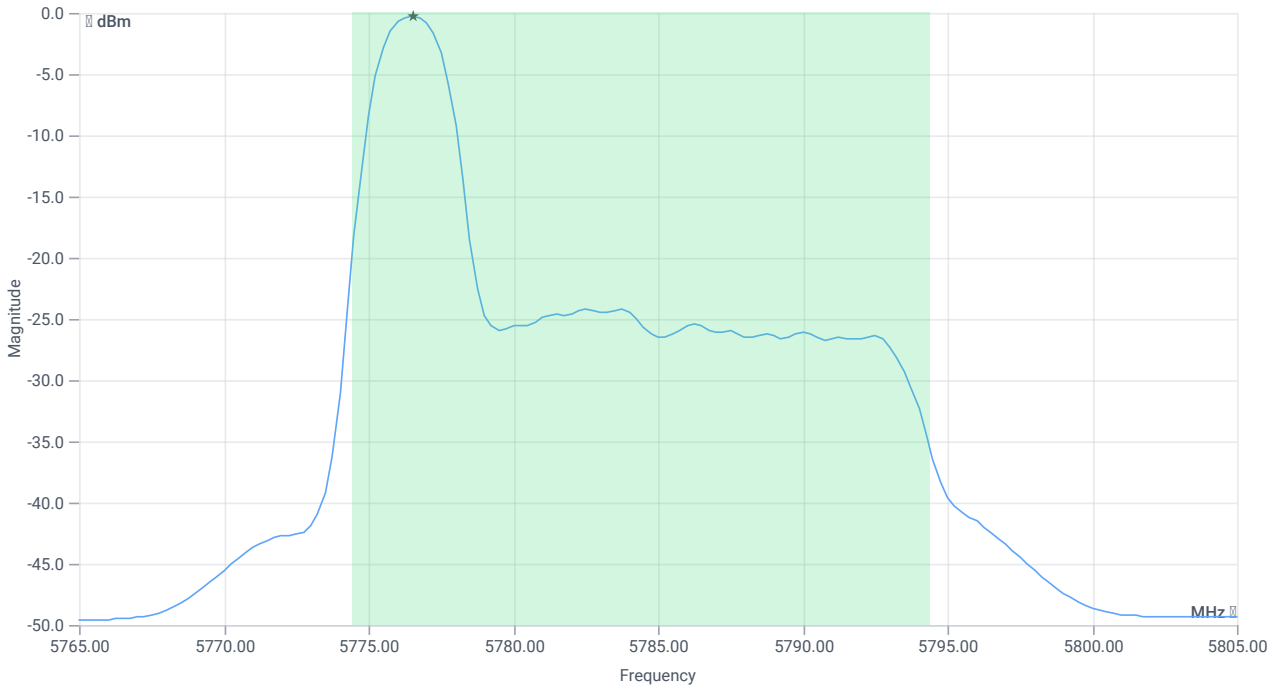
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.96	MHz	INFO
T1 26dB	---	---	5774.4400	MHz	INFO
T2 26dB	---	---	5794.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.25 | 11.31 | 25
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	---	---	2.65	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.65	dBm	PASS
LIMIT: 11 dBm + 10 log 19.96					
Max output power DC corrected cond	---	24	2.65	dBm	na

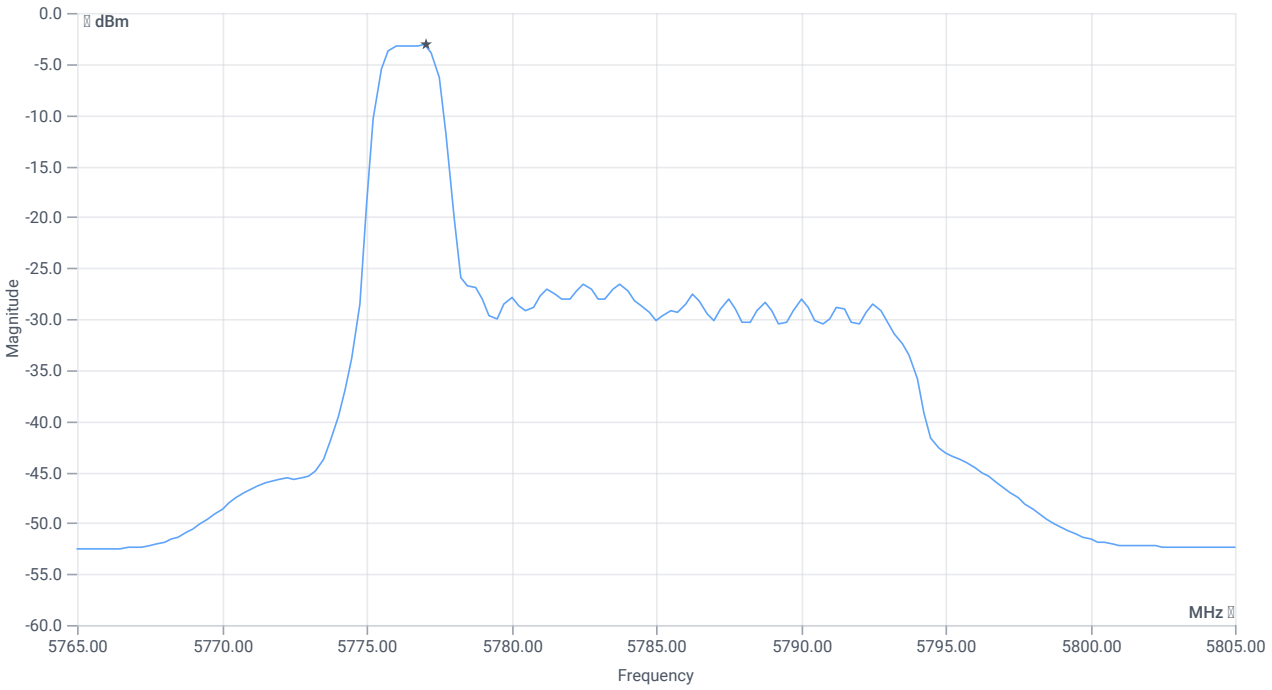
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.25 | 11.31 | 25

READ SA SETTINGS:

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	---	---	-3.16	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.16	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

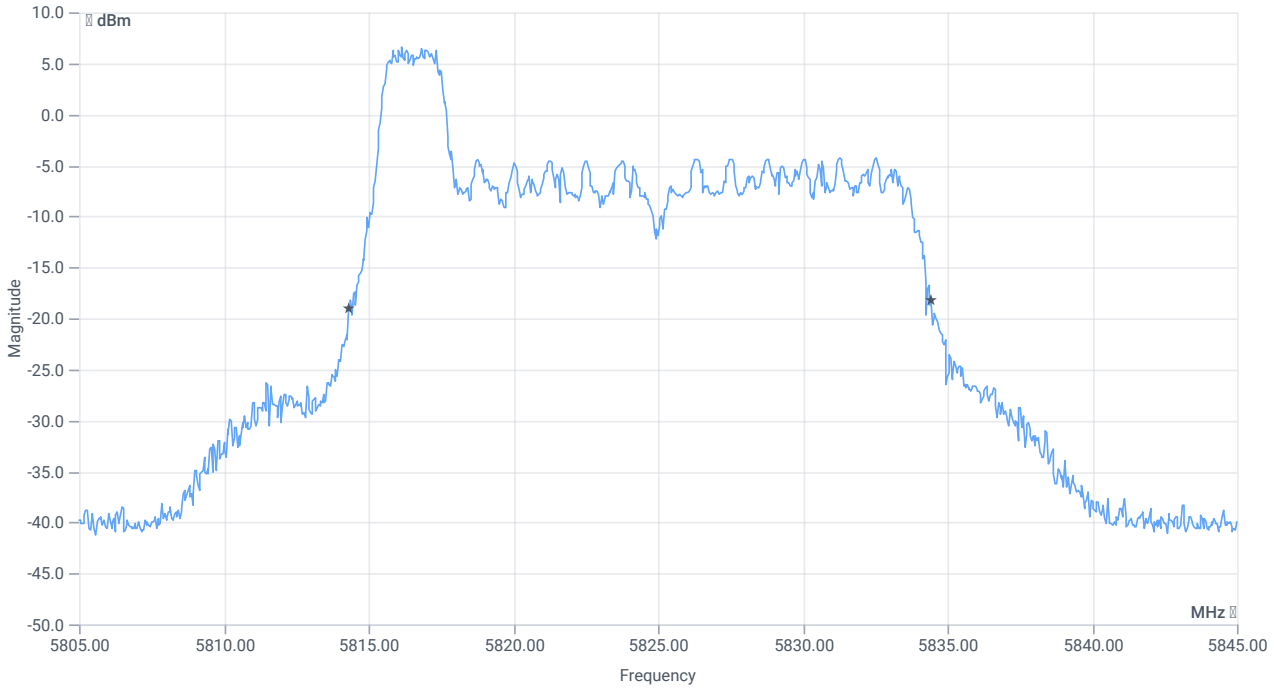
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.30	dBm	INFO
Ref. frequency	---	---	5816.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

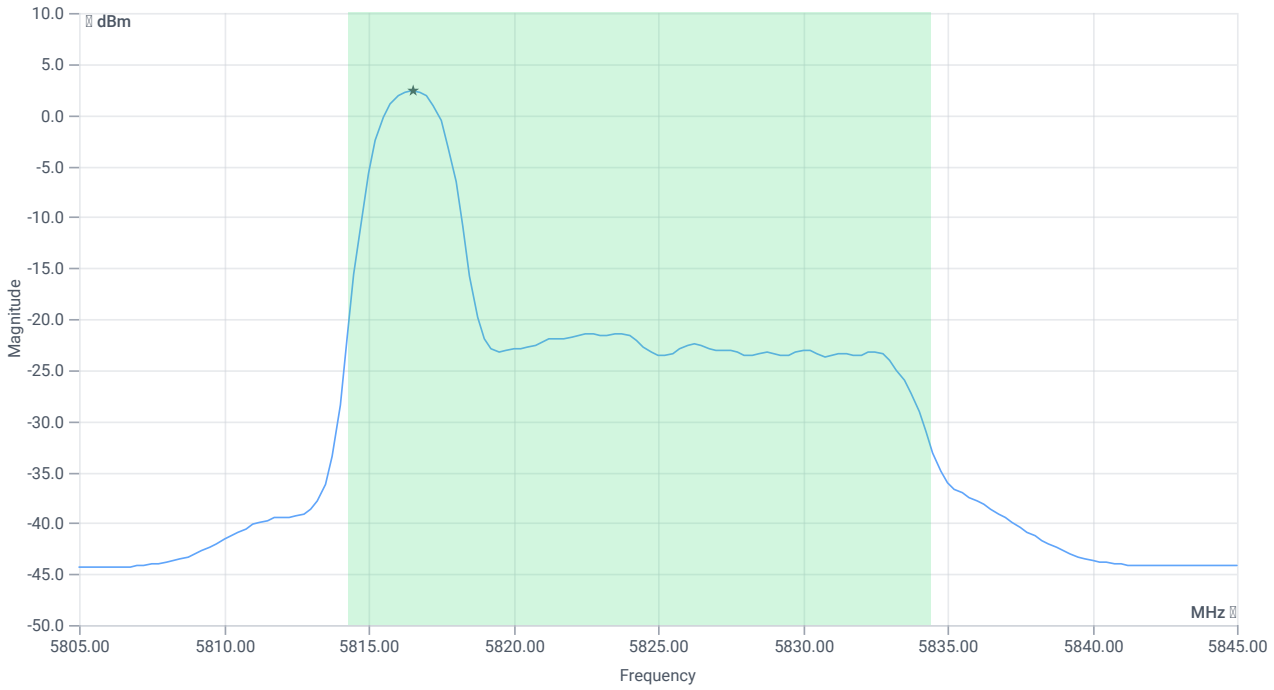
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.12	MHz	INFO
T1 26dB	---	---	5814.3200	MHz	INFO
T2 26dB	---	---	5834.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.30 | 11.29 | 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	---	---	5.26	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	5.26	dBm	PASS
LIMIT: 11 dBm + 10 log 20.12					
Max output power DC corrected cond	---	24.04	5.26	dBm	na

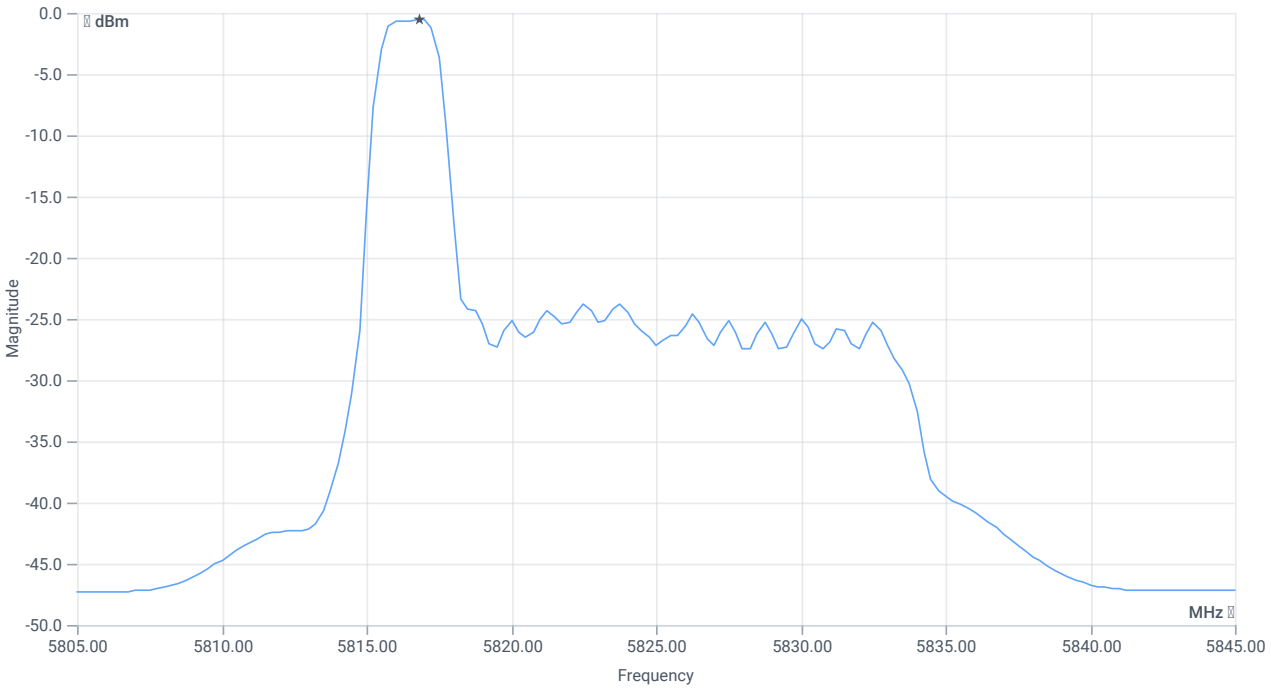
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.30 | 11.29 | 30

READ SA SETTINGS:

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	---	---	-0.57	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.57	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	14.01.2026 15:49:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

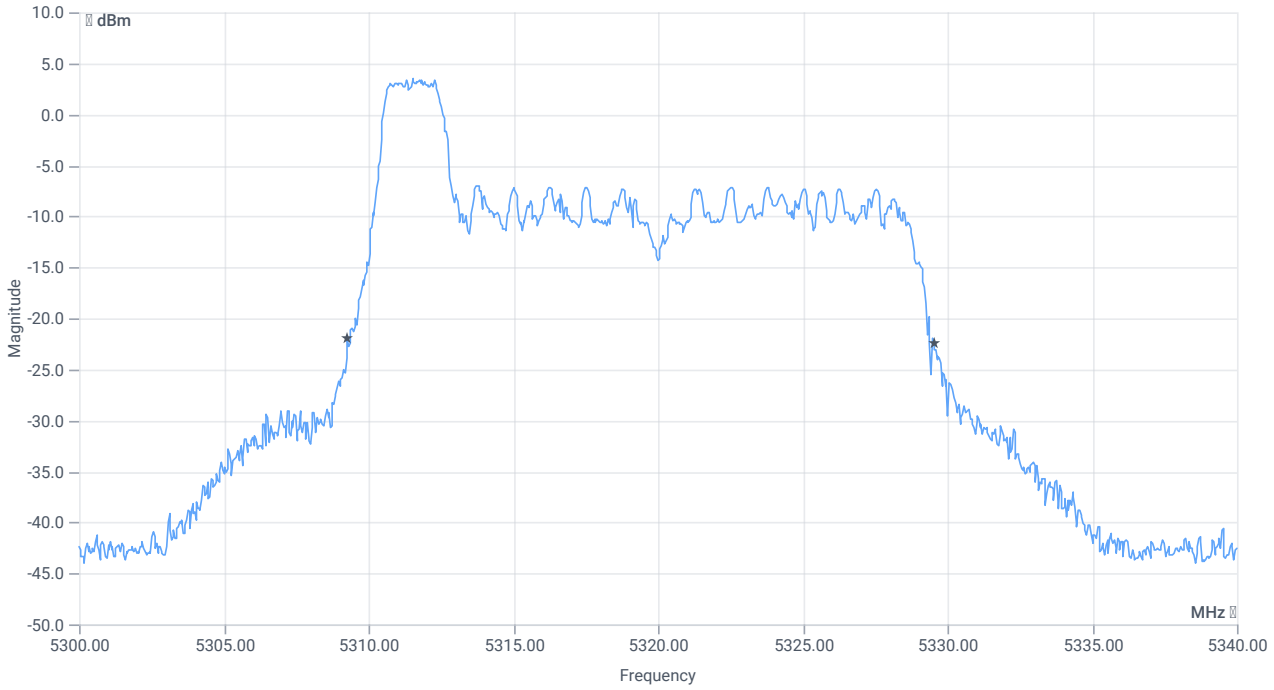
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.97	dBm	INFO
Ref. frequency	---	---	5311.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.24	MHz	INFO
T1 26dB	---	---	5309.2800	MHz	INFO
T2 26dB	---	---	5329.5200	MHz	INFO

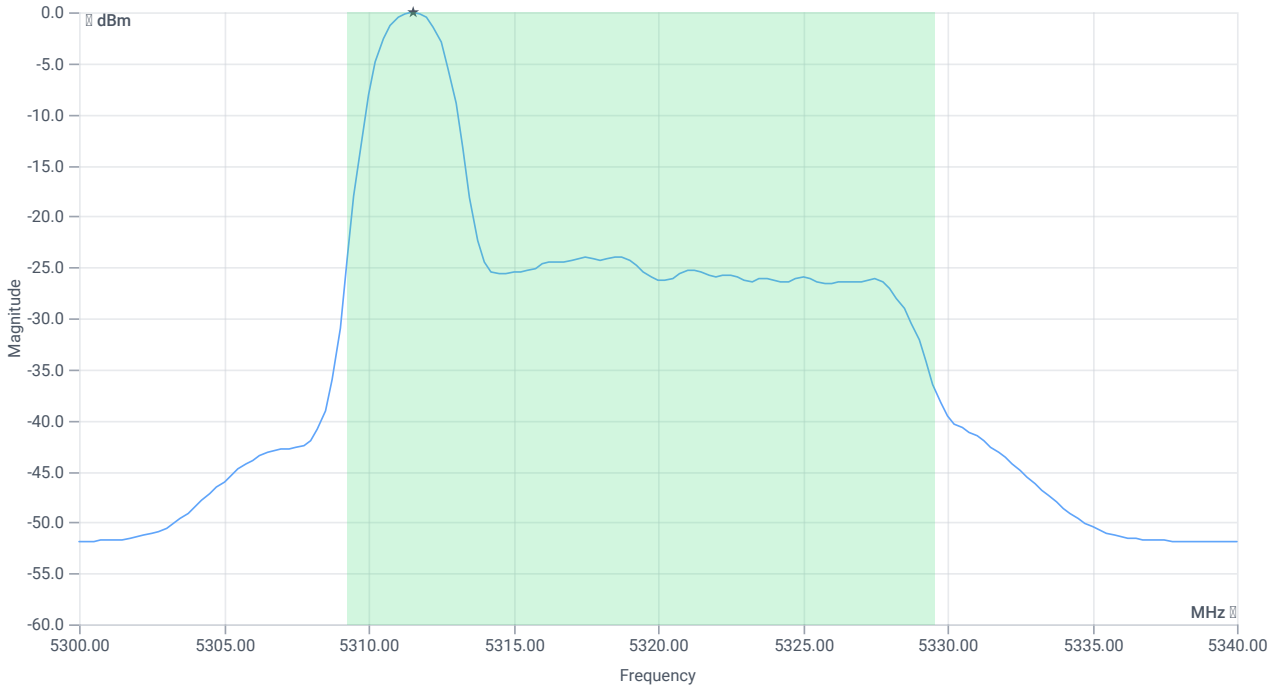
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.97 | 10.76 | 25
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	---	---	2.89	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.89	dBm	PASS
LIMIT: 11 dBm + 10 log 20.24					
Max output power DC corrected cond	---	24.06	2.89	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.89	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	---	---	-0.08	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.08	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	26.01.2026 16:19:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

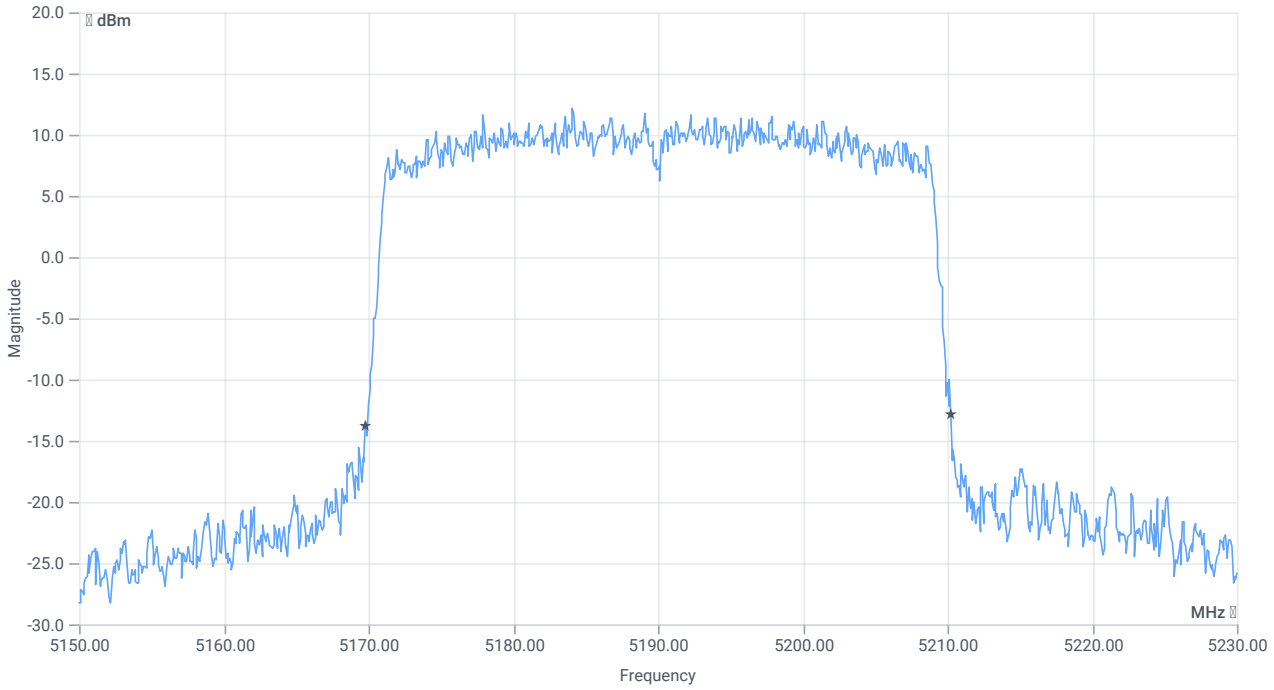
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.26	dBm	INFO
Ref. frequency	---	---	5190.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

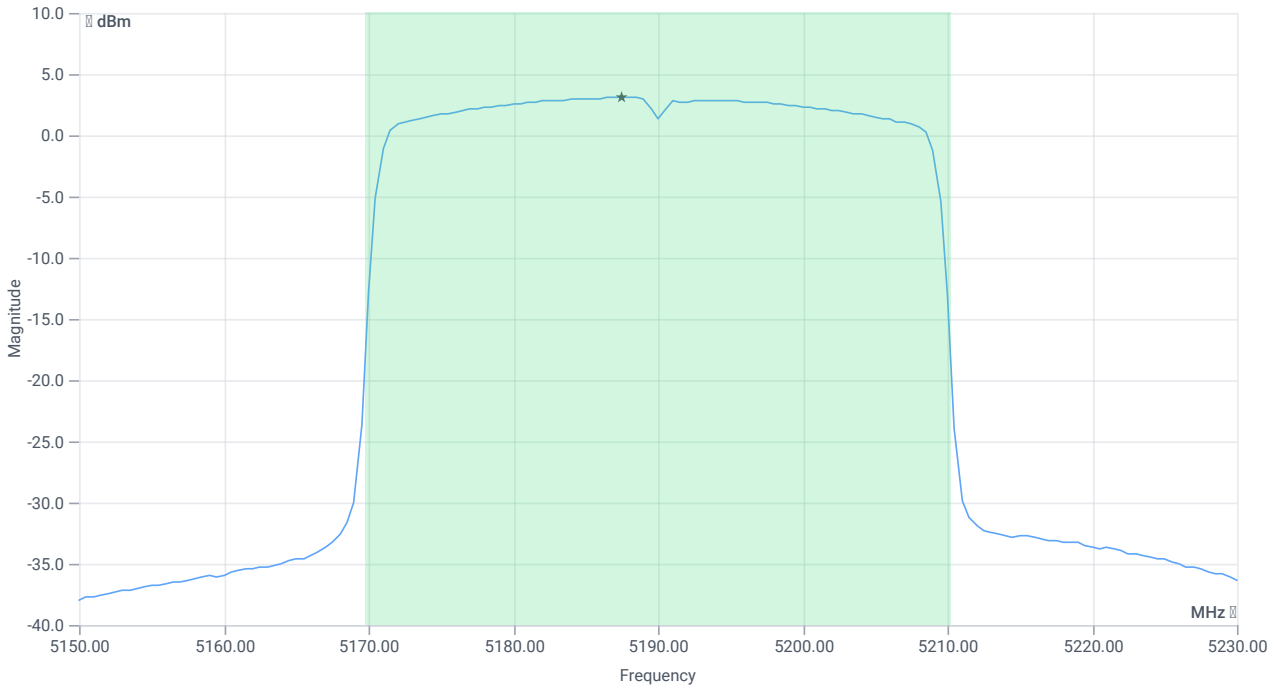
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.48	MHz	INFO
T1 26dB	---	---	5169.7600	MHz	INFO
T2 26dB	---	---	5210.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.26 | 14.57 | 30
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	---	---	17.8	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.8	dBm	PASS
LIMIT: 11 dBm + 10 log 40.48					
Max output power DC corrected cond	---	27.07	17.8	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.1	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.1	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	26.01.2026 16:21:03
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

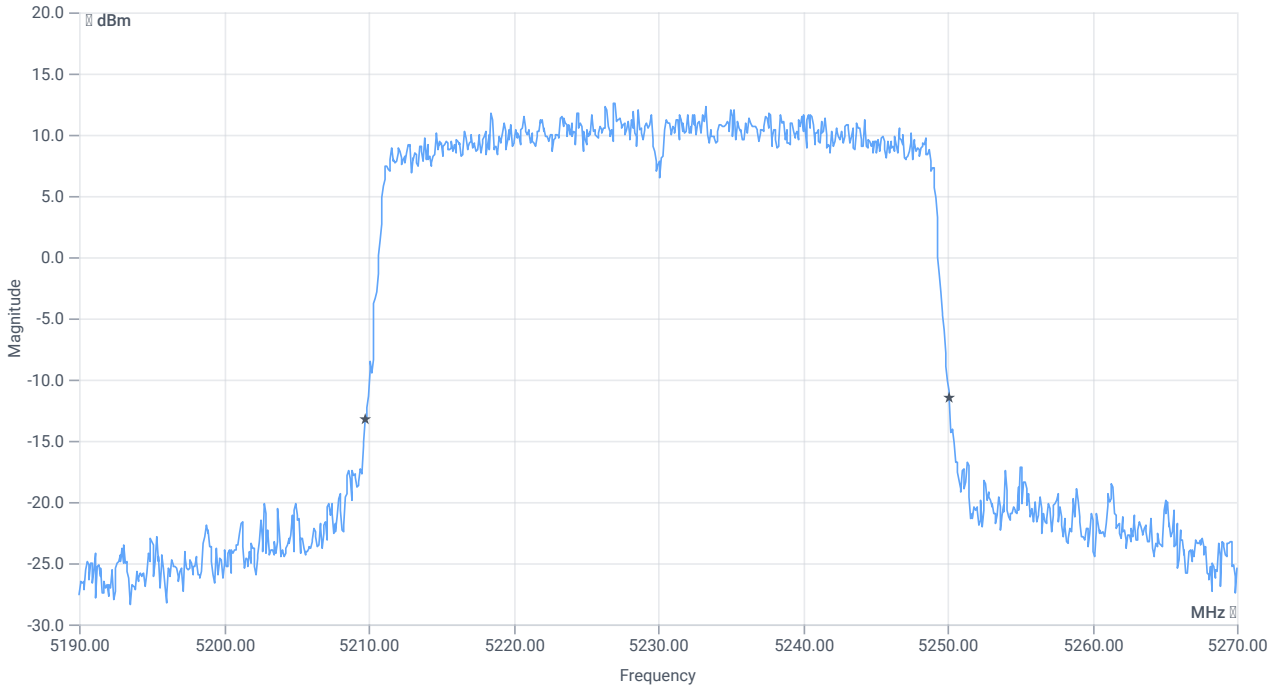
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.49	dBm	INFO
Ref. frequency	---	---	5234.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

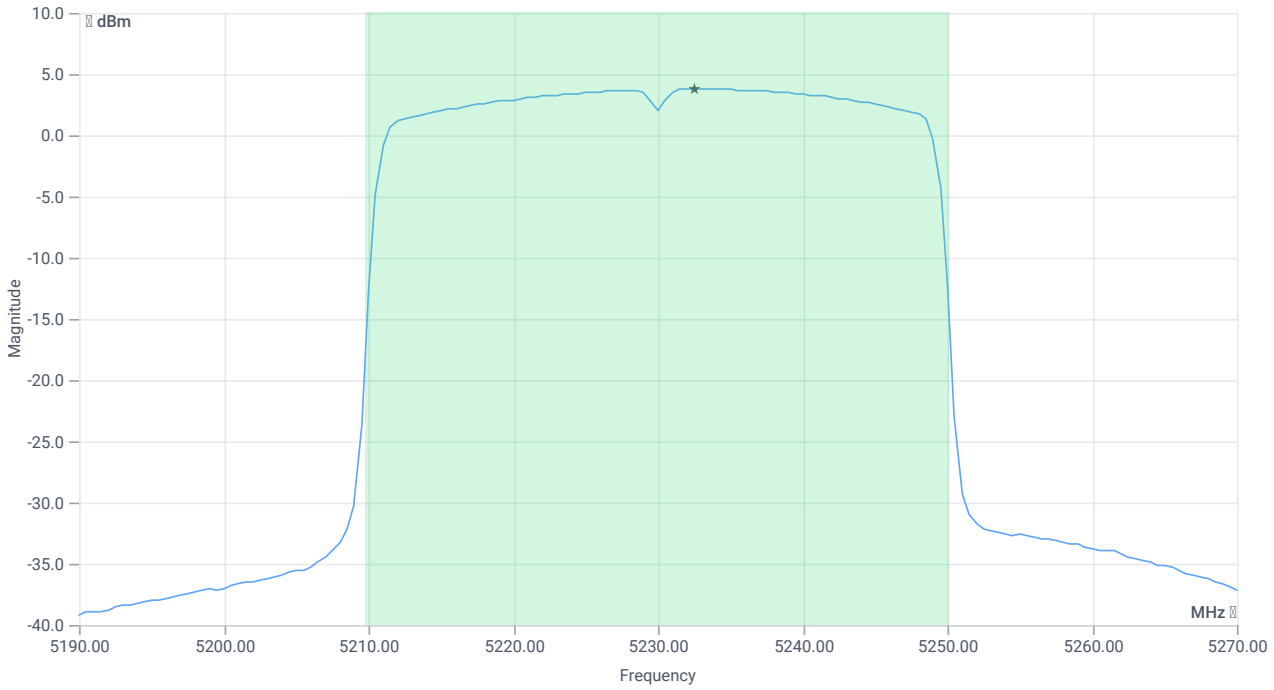
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5209.7600	MHz	INFO
T2 26dB	---	---	5250.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.49 | 14.56 | 25
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	---	---	18.5	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.5	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	18.5	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.8	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.8	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	26.01.2026 16:23:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

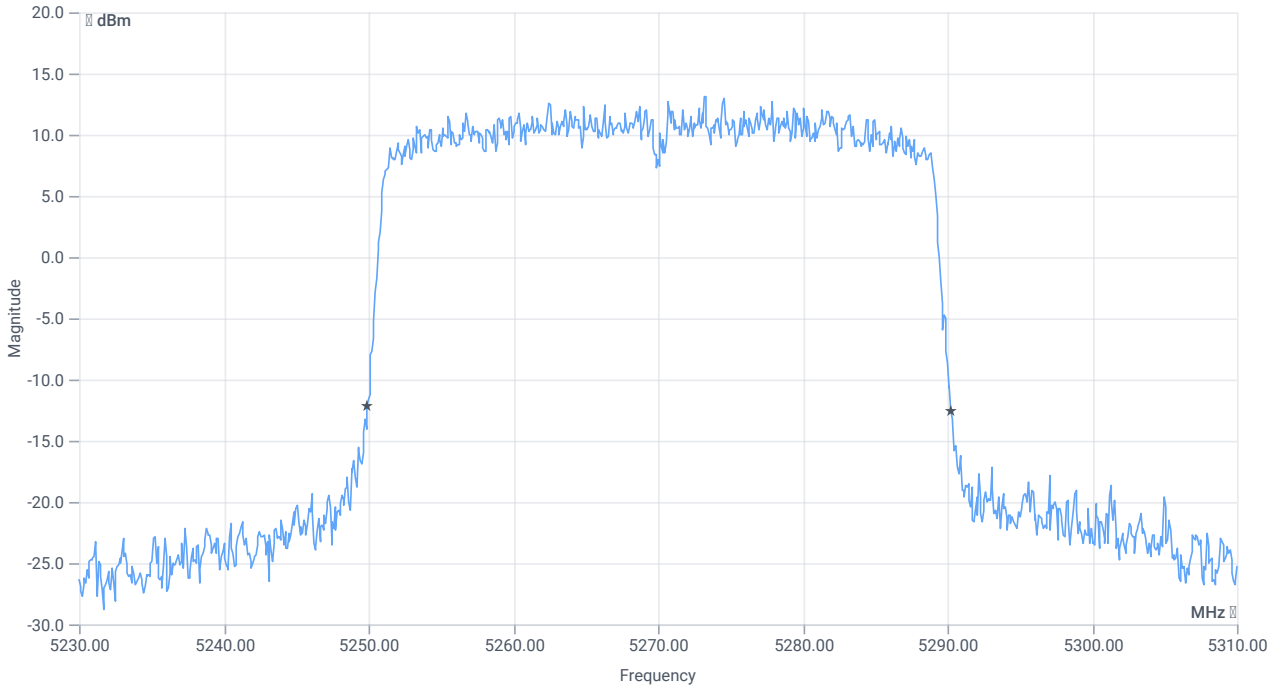
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.12	dBm	INFO
Ref. frequency	---	---	5281.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5249.9200	MHz	INFO
T2 26dB	---	---	5290.2400	MHz	INFO

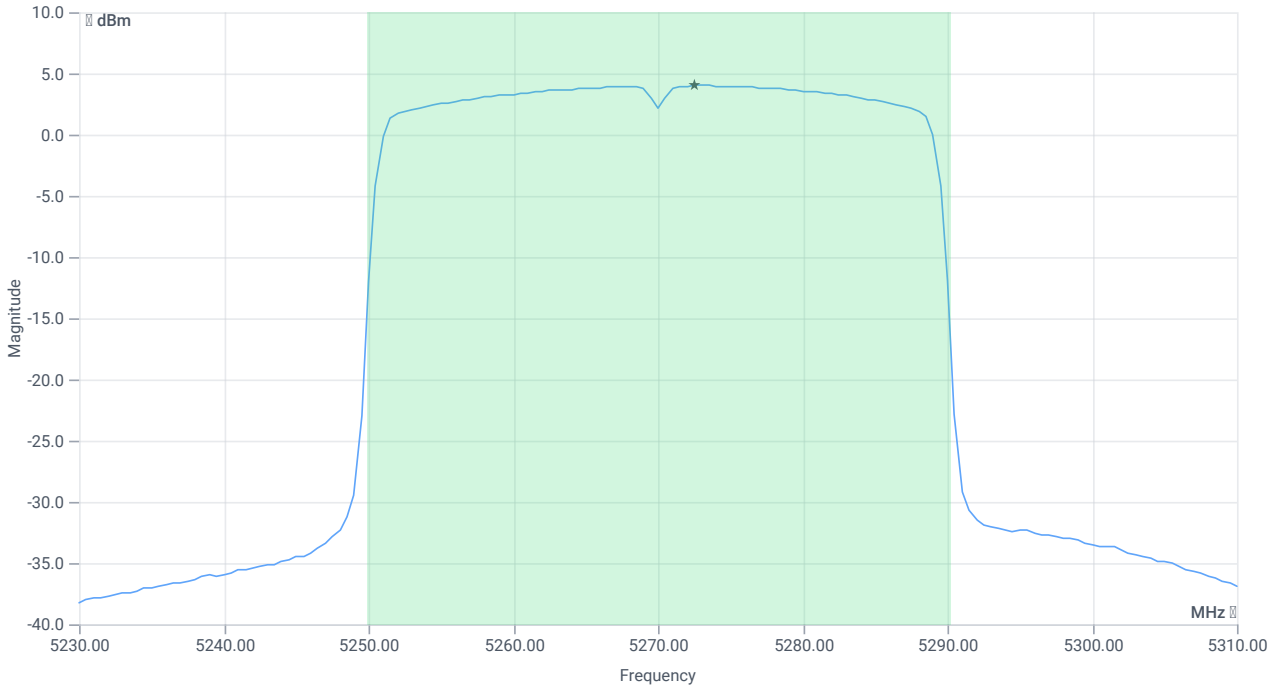
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.12 | 14.54 | 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	---	---	18.8	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.8	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	18.8	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.8	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	---	---	4.01	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	4.01	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	26.01.2026 16:24:53
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

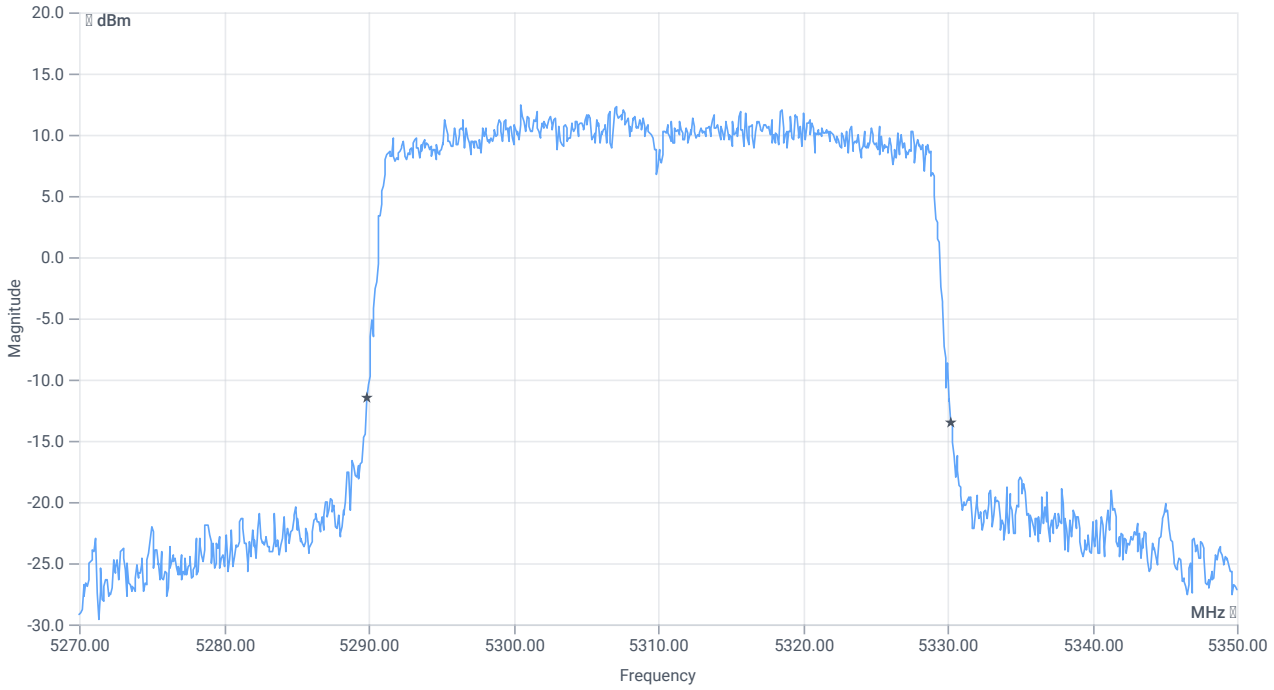
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.12	dBm	INFO
Ref. frequency	---	---	5306.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5289.8400	MHz	INFO
T2 26dB	---	---	5330.2400	MHz	INFO

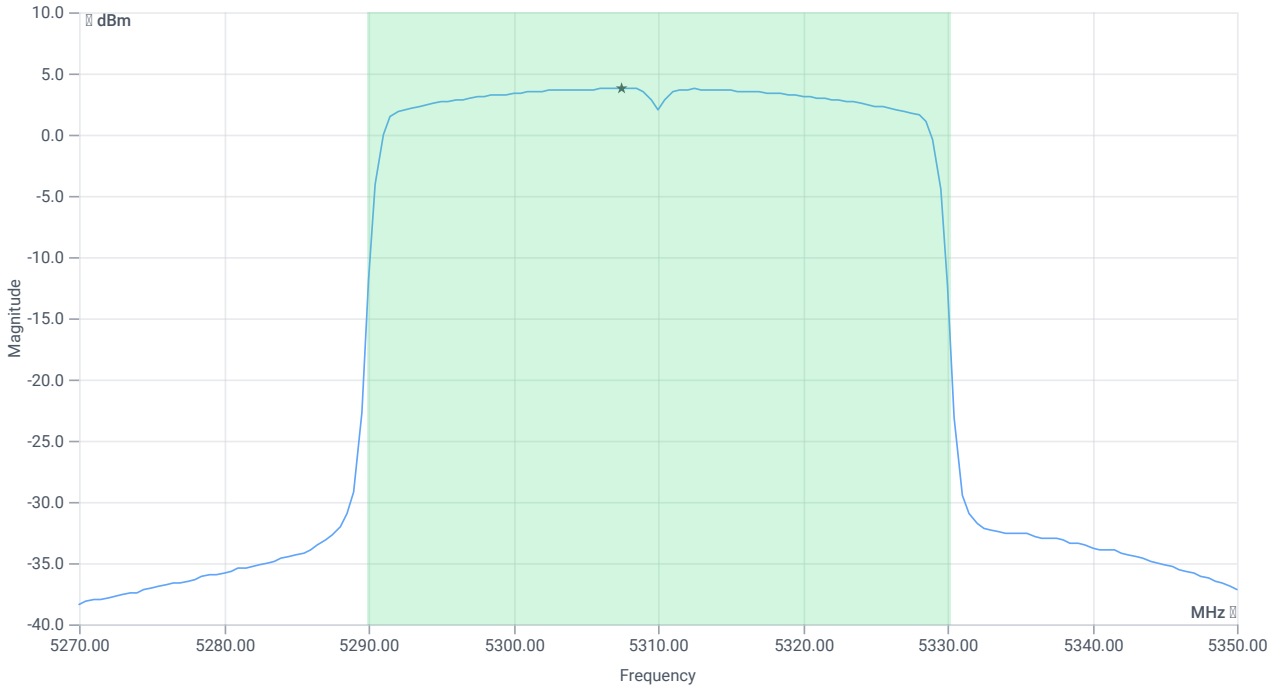
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.12 | 14.49 | 30
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	---	---	18.61	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.61	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	18.61	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.61	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	---	---	3.78	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.78	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	26.01.2026 16:29:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5710
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.

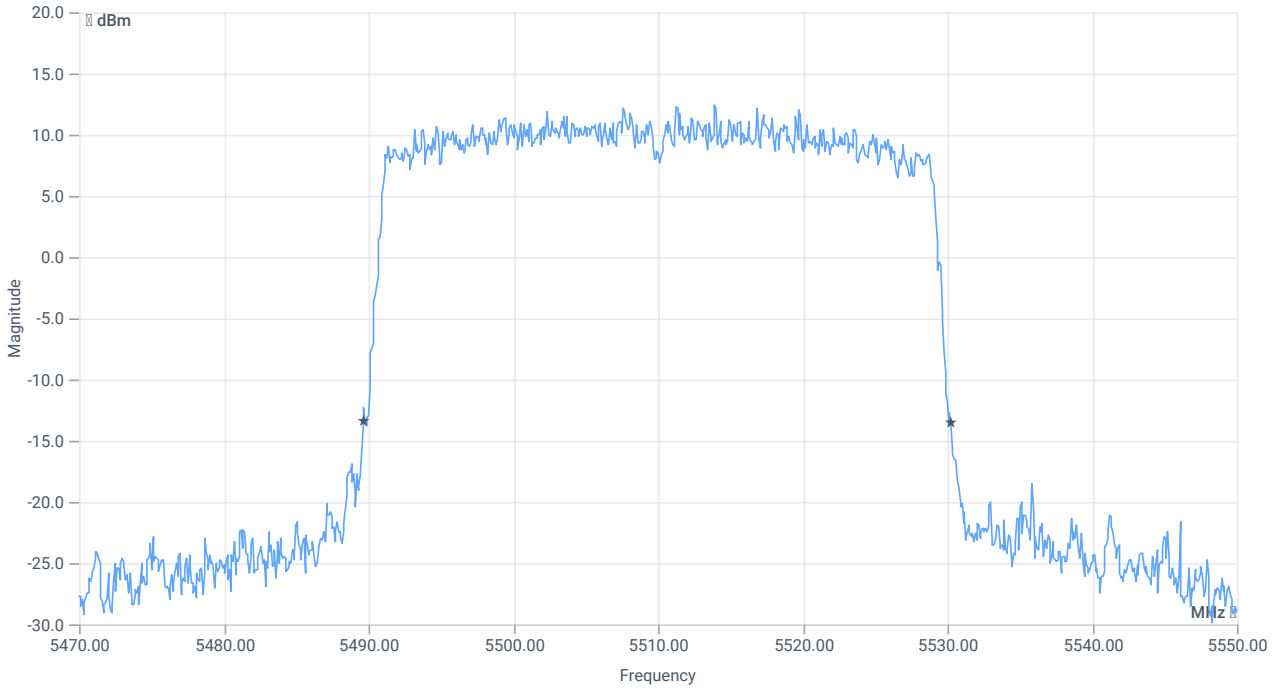
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.46	dBm	INFO
Ref. frequency	---	---	5515.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

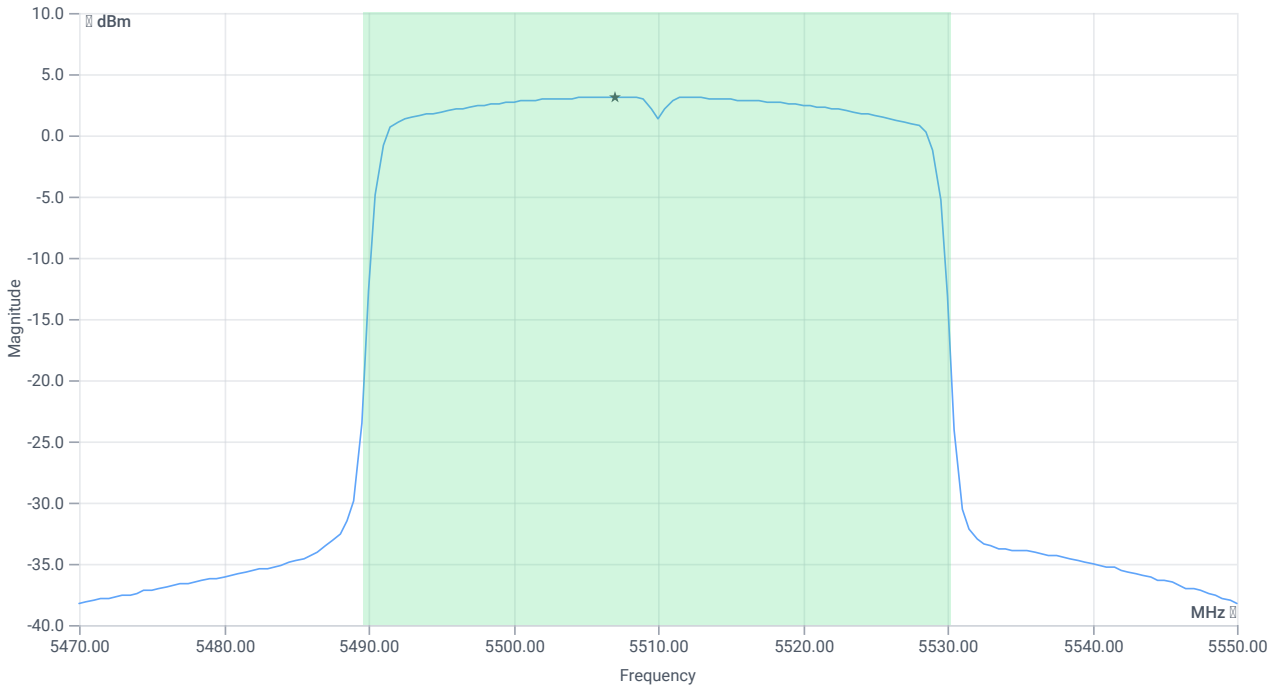
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.64	MHz	INFO
T1 26dB	---	---	5489.6000	MHz	INFO
T2 26dB	---	---	5530.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.46 | 14.64 | 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	---	---	17.94	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	17.94	dBm	PASS
LIMIT: 11 dBm + 10 log 40.64					
Max output power DC corrected cond	---	27.09	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	---	---	3.16	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.16	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	26.01.2026 16:31:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5710
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.

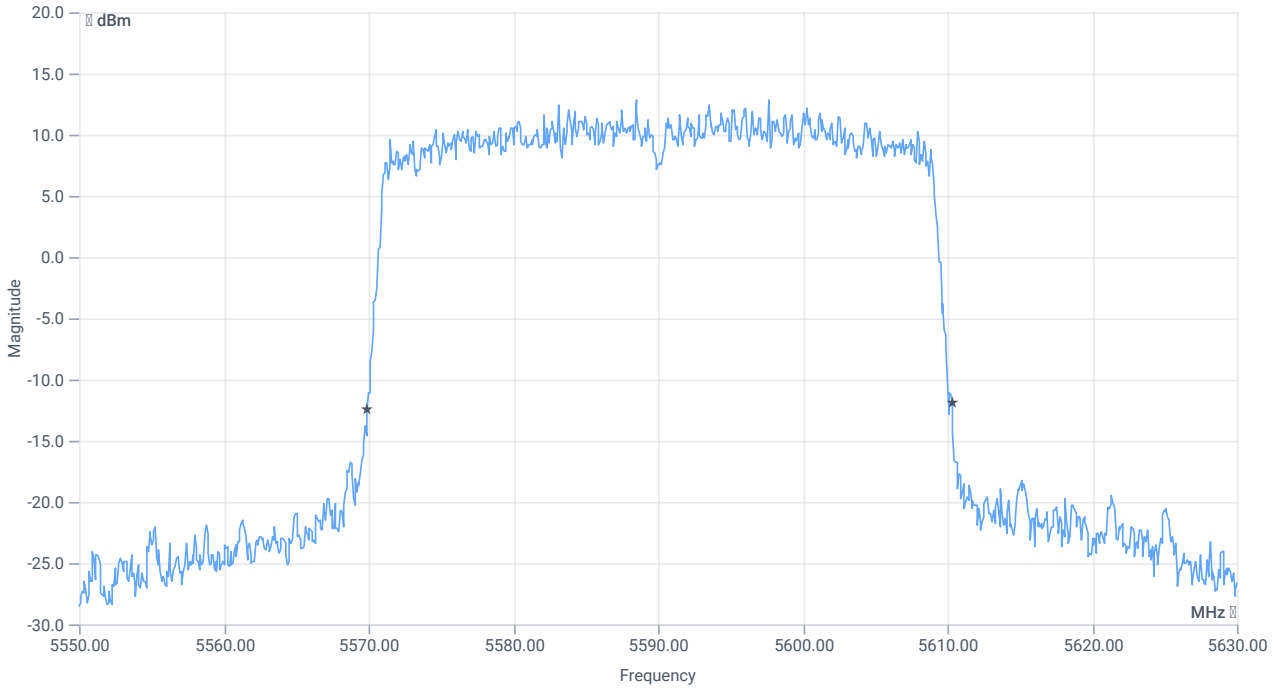
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.55	dBm	INFO
Ref. frequency	---	---	5591.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

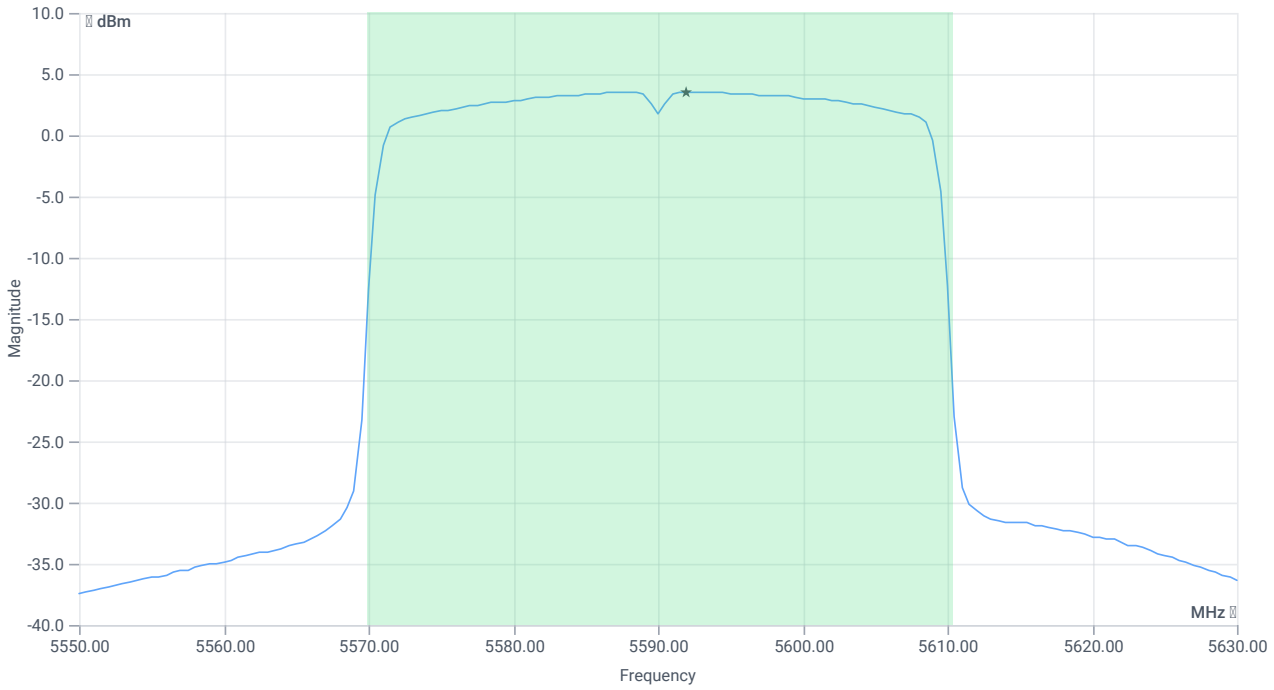
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5569.9200	MHz	INFO
T2 26dB	---	---	5610.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.55 | 14.76 | 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	---	---	18.31	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.31	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	18.31	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.31	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	---	---	3.5	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.5	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	26.01.2026 16:33:30
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5710
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 5710 MHz

RESULT: Reference power cond.

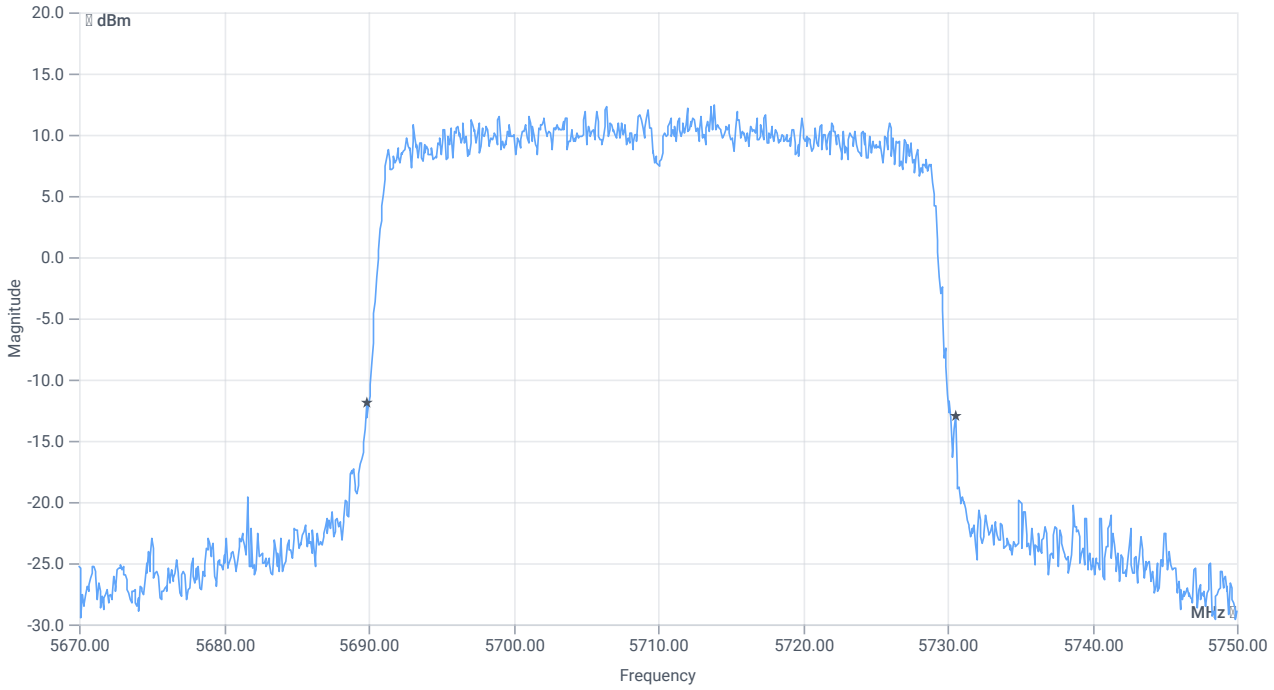
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.44	dBm	INFO
Ref. frequency	---	---	5715.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

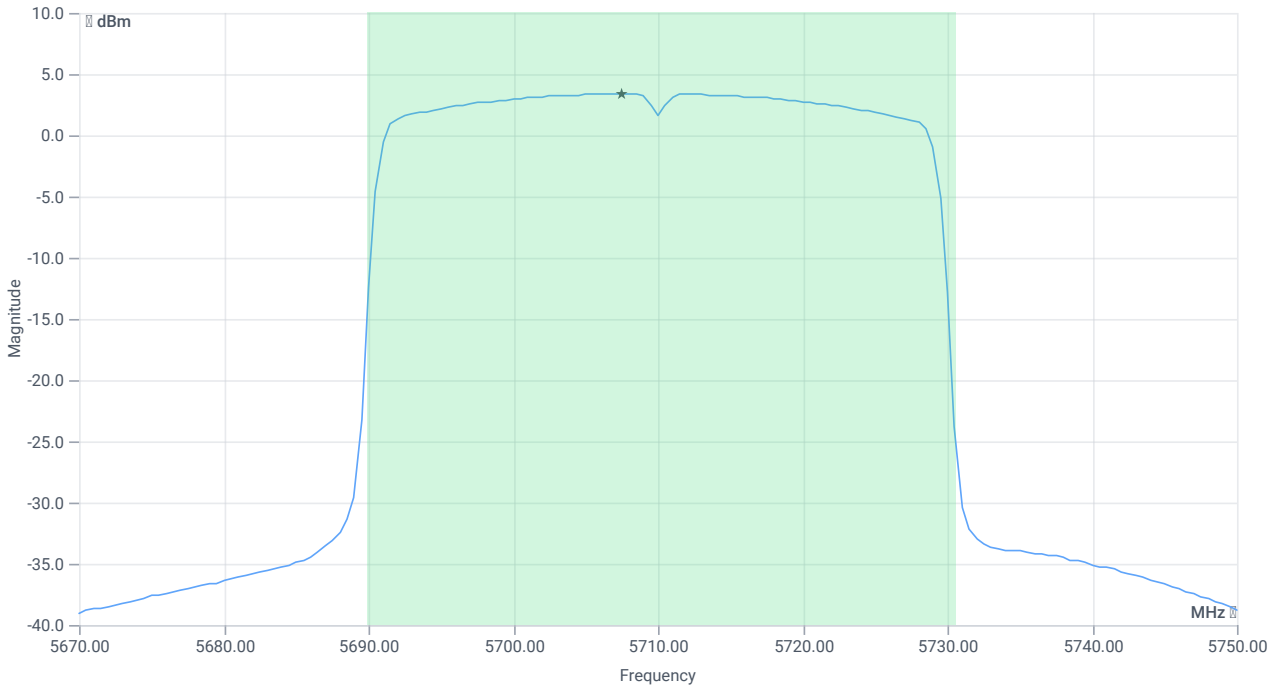
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.72	MHz	INFO
T1 26dB	---	---	5689.8400	MHz	INFO
T2 26dB	---	---	5730.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.44 | 14.86 | 25
Start [MHz] | Stop [MHz]	5670.000 | 5750.000
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	---	---	18.19	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	18.19	dBm	PASS
LIMIT: 11 dBm + 10 log 40.72					
Max output power DC corrected cond	---	27.1	18.19	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	18.19	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	---	---	3.39	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.39	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	26.01.2026 16:35:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

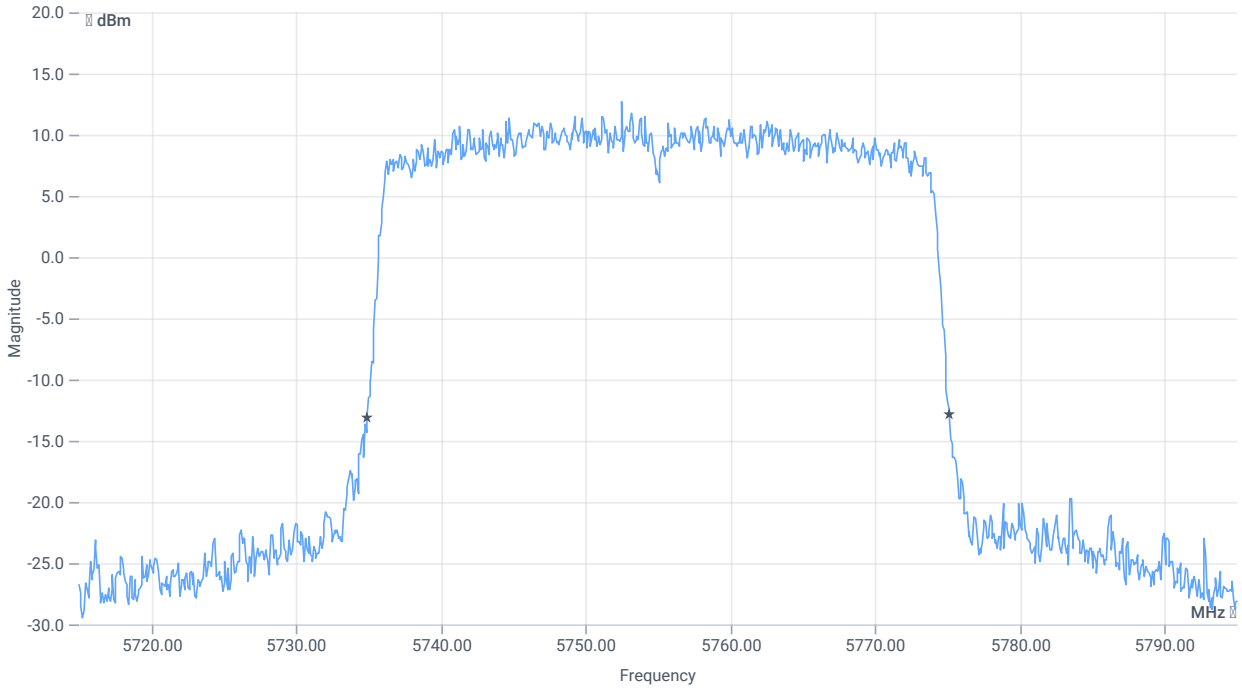
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.30	dBm	INFO
Ref. frequency	---	---	5757.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

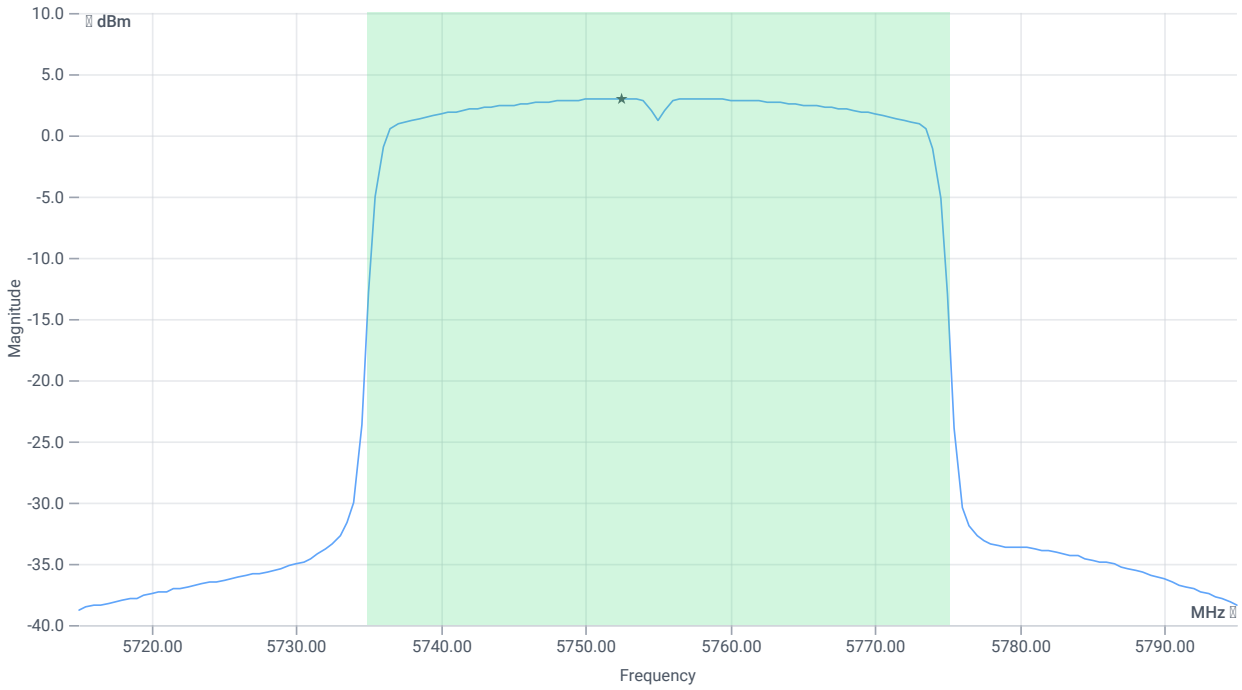
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.24	MHz	INFO
T1 26dB	---	---	5734.9200	MHz	INFO
T2 26dB	---	---	5775.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.30 | 14.86 | 25
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	---	---	17.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	17.85	dBm	PASS
LIMIT: 11 dBm + 10 log 40.24					
Max output power DC corrected cond	---	27.05	17.85	dBm	na

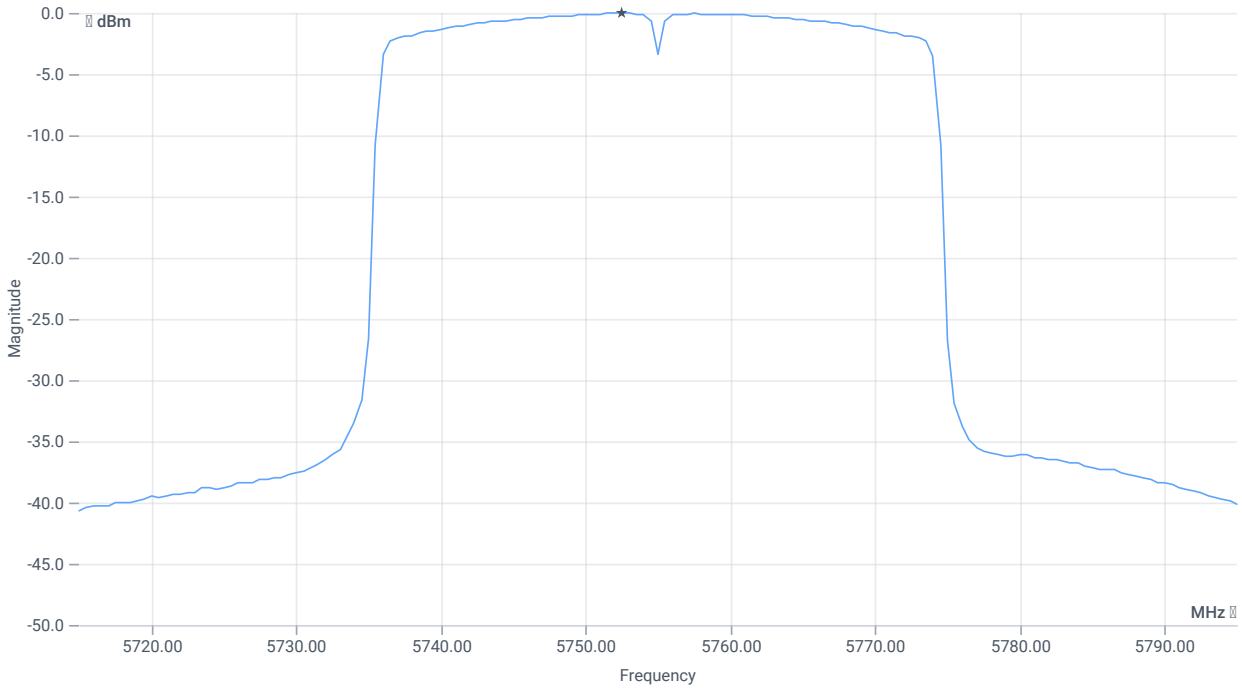
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.30 | 14.86 | 30

READ SA SETTINGS:

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	---	---	-0.02	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.02	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	26.01.2026 16:38:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

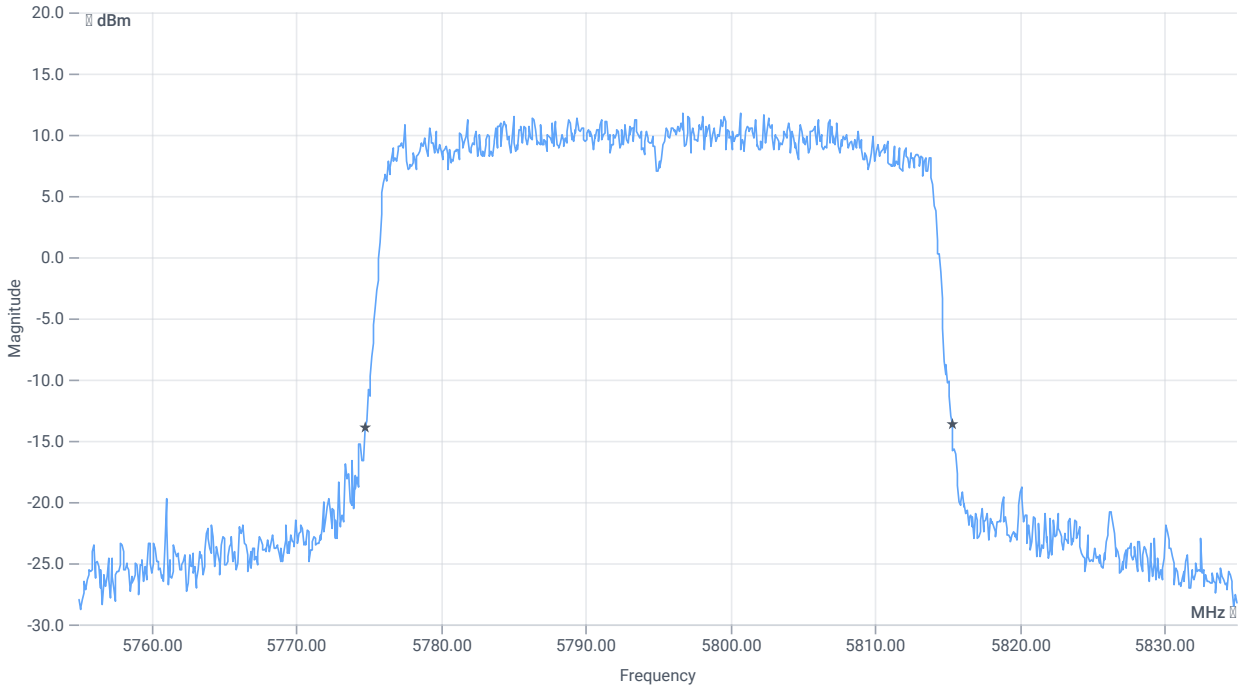
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.73	dBm	INFO
Ref. frequency	---	---	5786.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

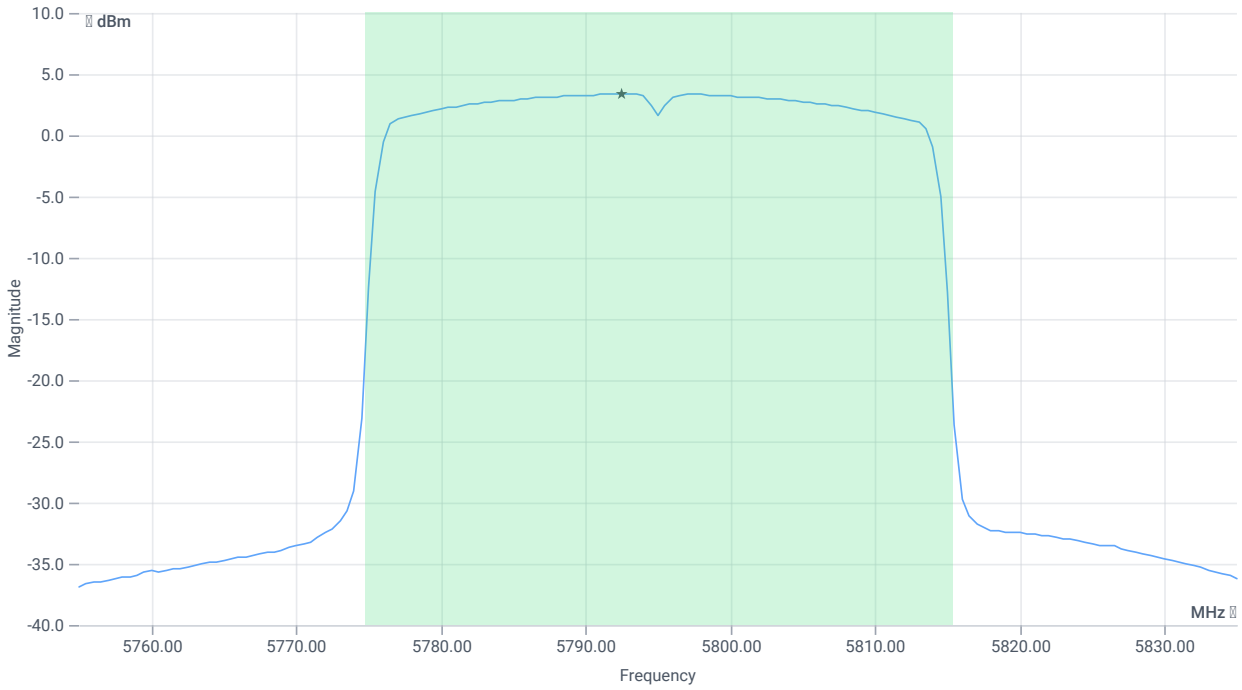
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.56	MHz	INFO
T1 26dB	---	---	5774.7600	MHz	INFO
T2 26dB	---	---	5815.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.73 | 15.06 | 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	---	---	18.17	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	18.17	dBm	PASS
LIMIT: 11 dBm + 10 log 40.56					
Max output power DC corrected cond	---	27.08	18.17	dBm	na

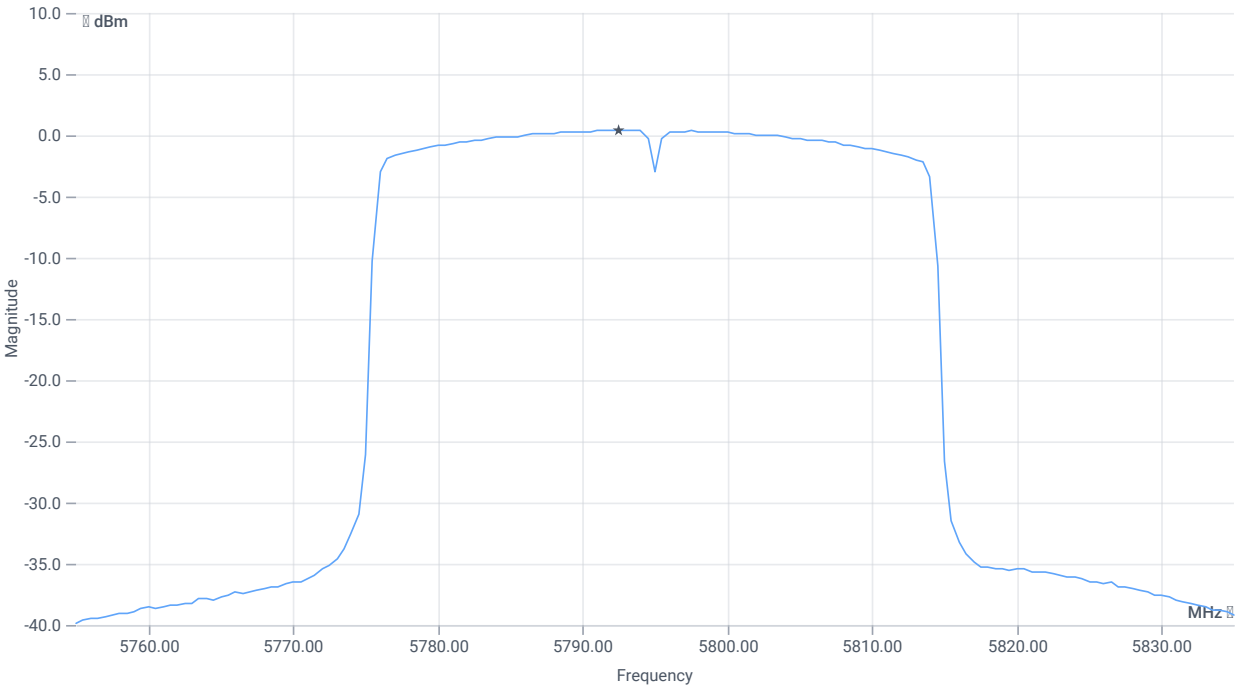
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.73 | 15.06 | 30

READ SA SETTINGS:

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	---	---	0.42	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	0.42	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	26.01.2026 13:05:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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.

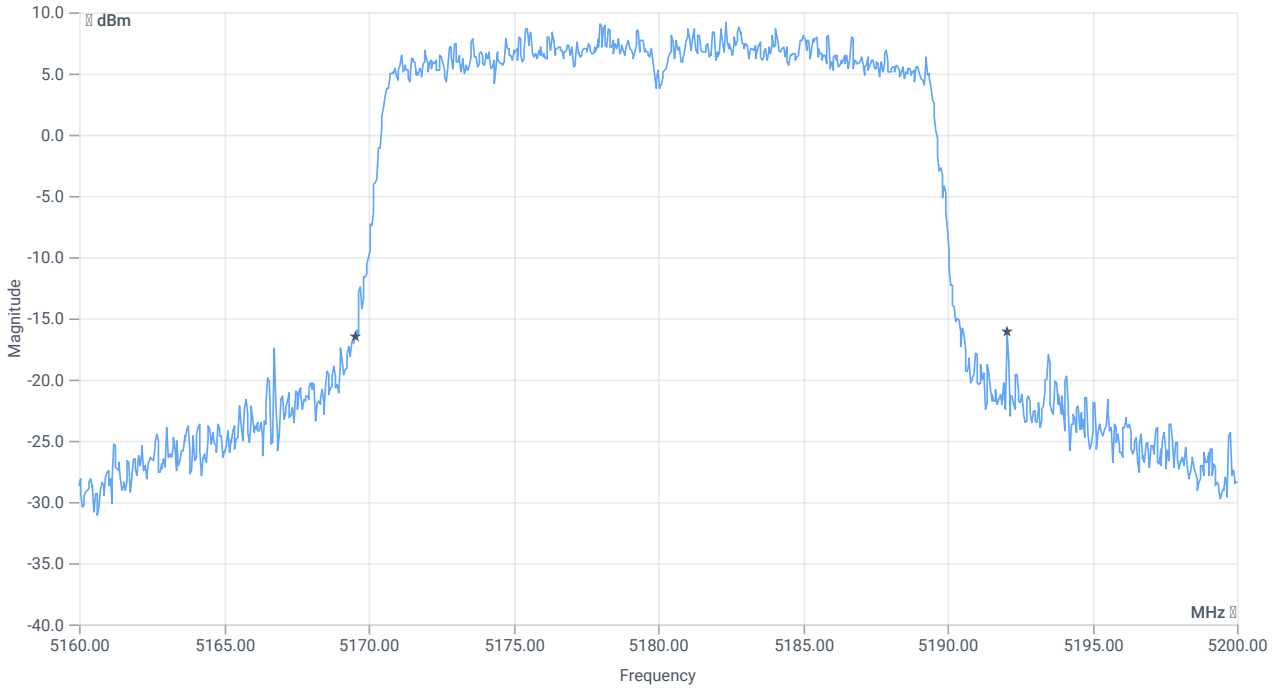
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.36	dBm	INFO
Ref. frequency	---	---	5177.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

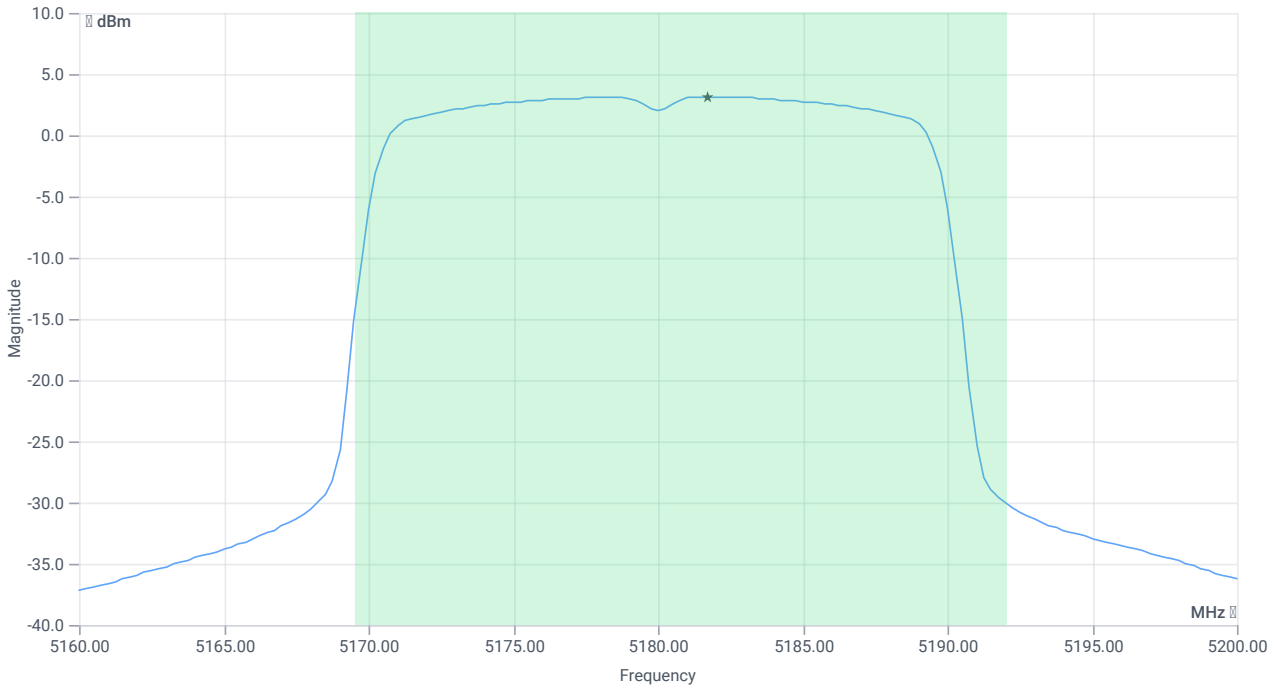
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.56	MHz	INFO
T1 26dB	---	---	5169.5200	MHz	INFO
T2 26dB	---	---	5192.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.36 | 10.89 | 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	---	---	15.04	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.04	dBm	PASS
LIMIT: 11 dBm + 10 log 22.56					
Max output power DC corrected cond	---	24.53	15.04	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.14	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.14	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	26.01.2026 13:06:47
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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.

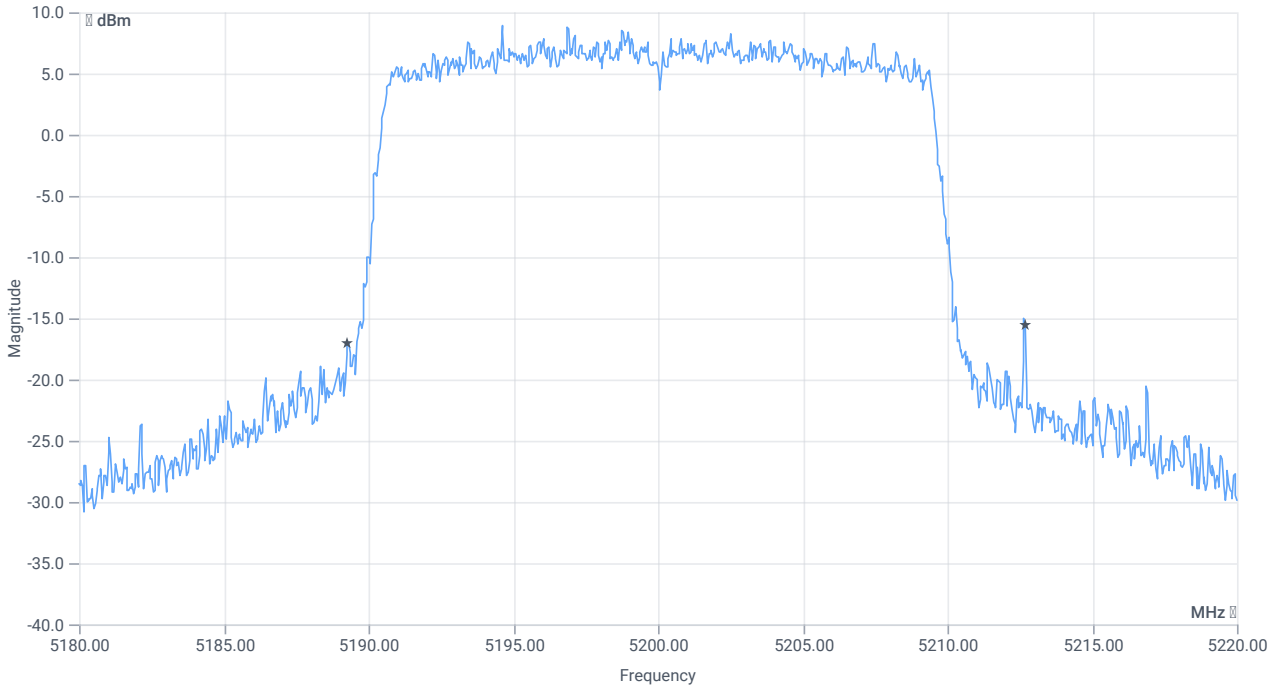
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.09	dBm	INFO
Ref. frequency	---	---	5198.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

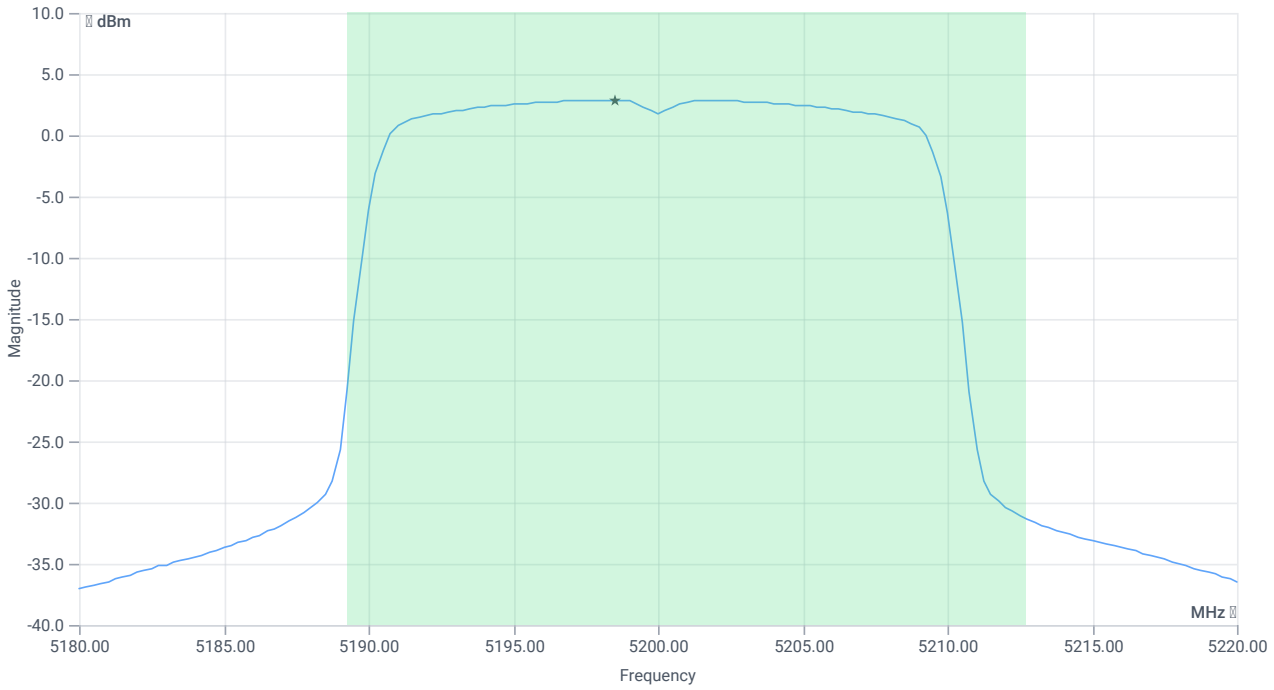
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	23.4	MHz	INFO
T1 26dB	---	---	5189.2800	MHz	INFO
T2 26dB	---	---	5212.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.09 | 10.85 | 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	---	---	14.8	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.8	dBm	PASS
LIMIT: 11 dBm + 10 log 23.4					
Max output power DC corrected cond	---	24.69	14.8	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.86	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.86	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	26.01.2026 13:08:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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.

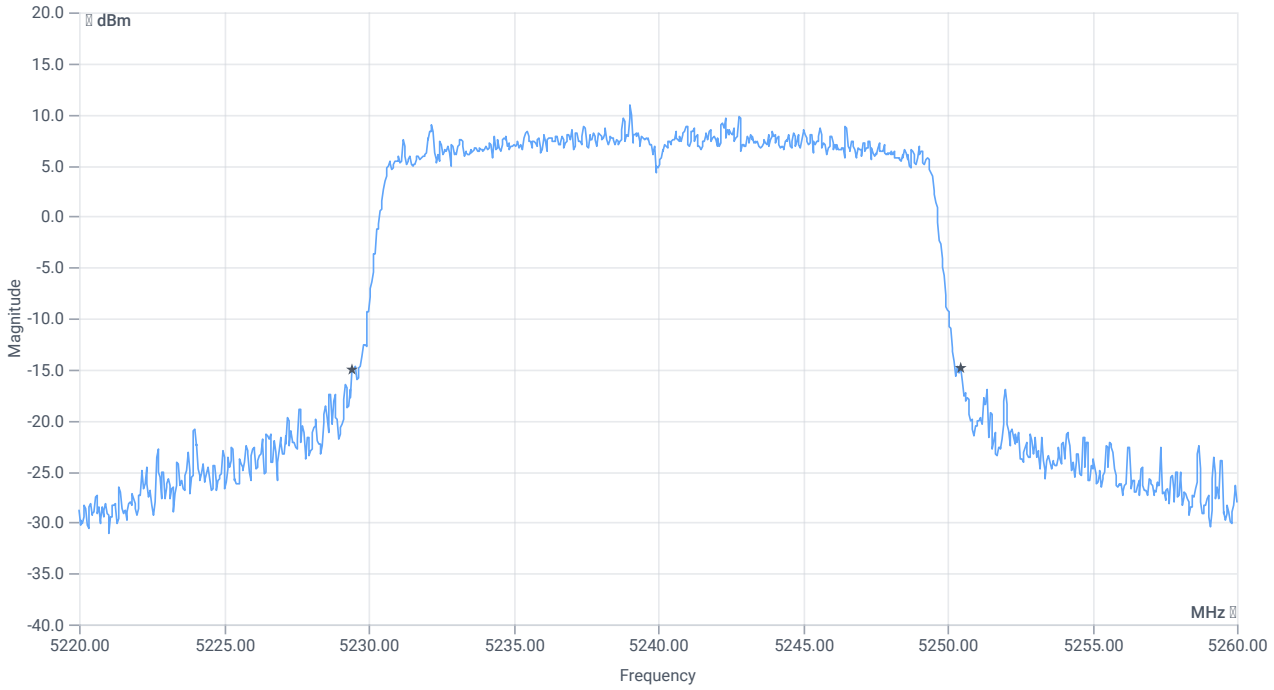
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.43	dBm	INFO
Ref. frequency	---	---	5237.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

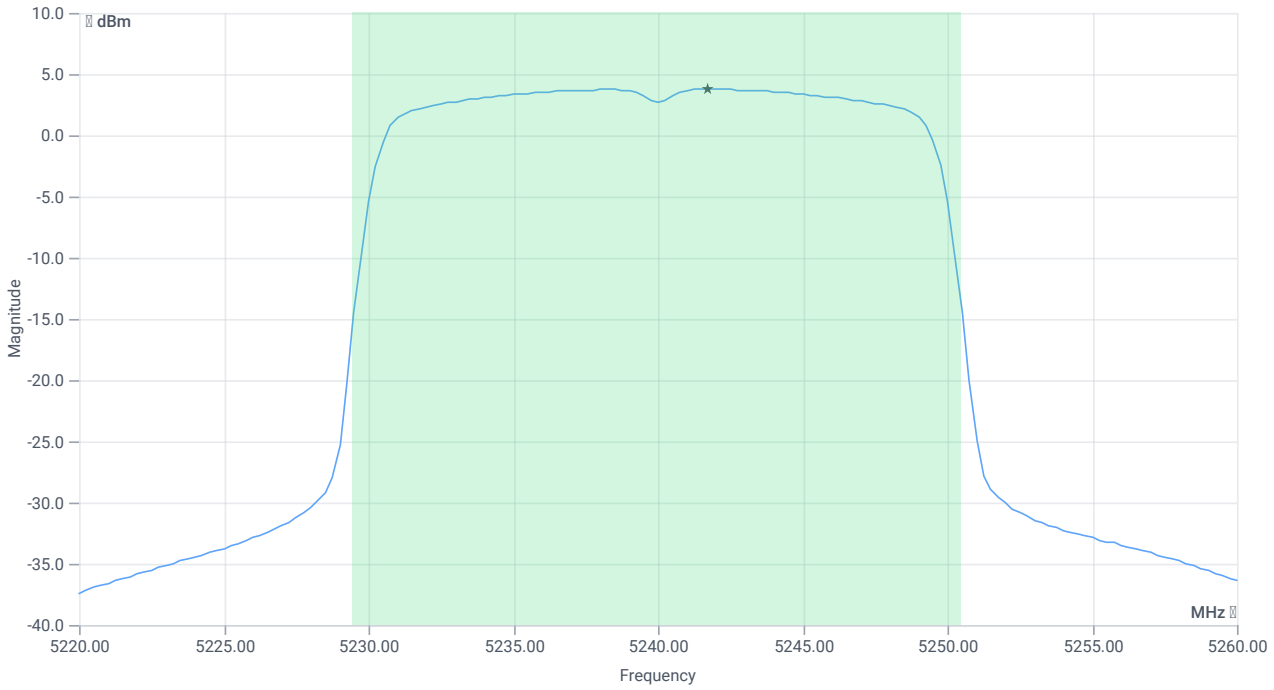
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.04	MHz	INFO
T1 26dB	---	---	5229.4400	MHz	INFO
T2 26dB	---	---	5250.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.43 | 10.86 | 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	---	---	15.66	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.66	dBm	PASS
LIMIT: 11 dBm + 10 log 21.04					
Max output power DC corrected cond	---	24.23	15.66	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	3.76	dBm/1MHz	INFO
Duty cycle correction	---	---	0	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 ax-HE20 U-NII-2A

References

TC start	26.01.2026 13:10:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

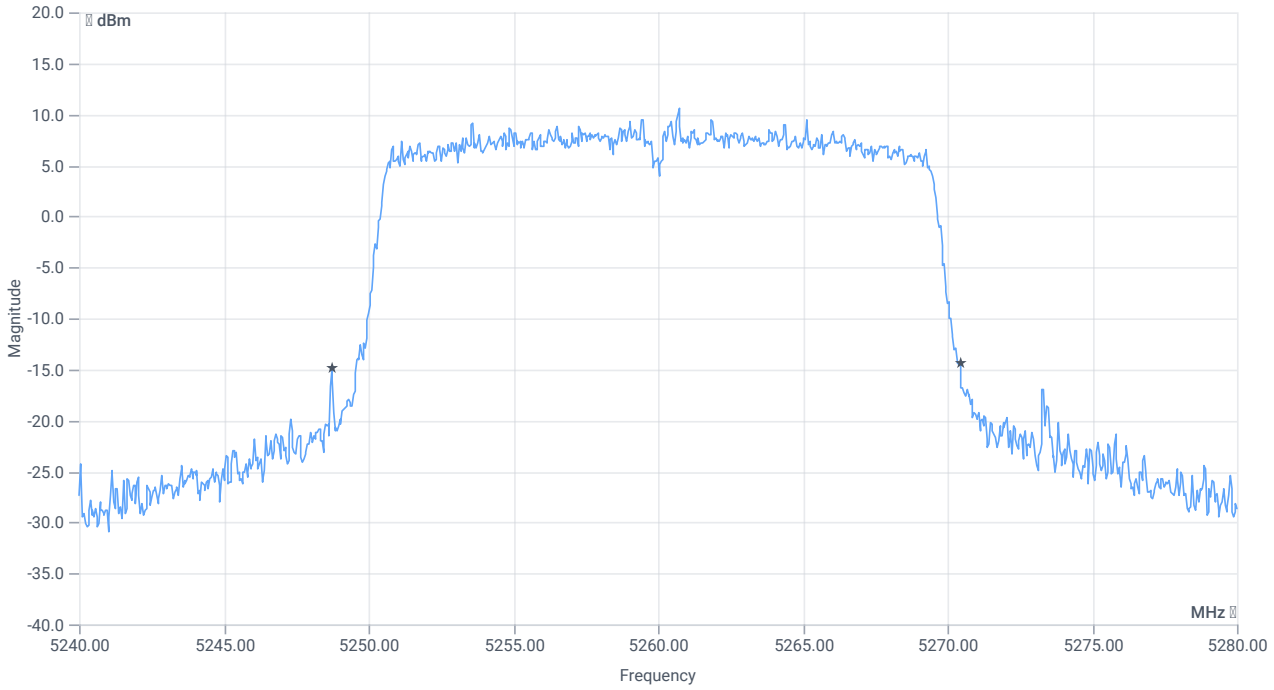
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.25	dBm	INFO
Ref. frequency	---	---	5261.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.72	MHz	INFO
T1 26dB	---	---	5248.7200	MHz	INFO
T2 26dB	---	---	5270.4400	MHz	INFO

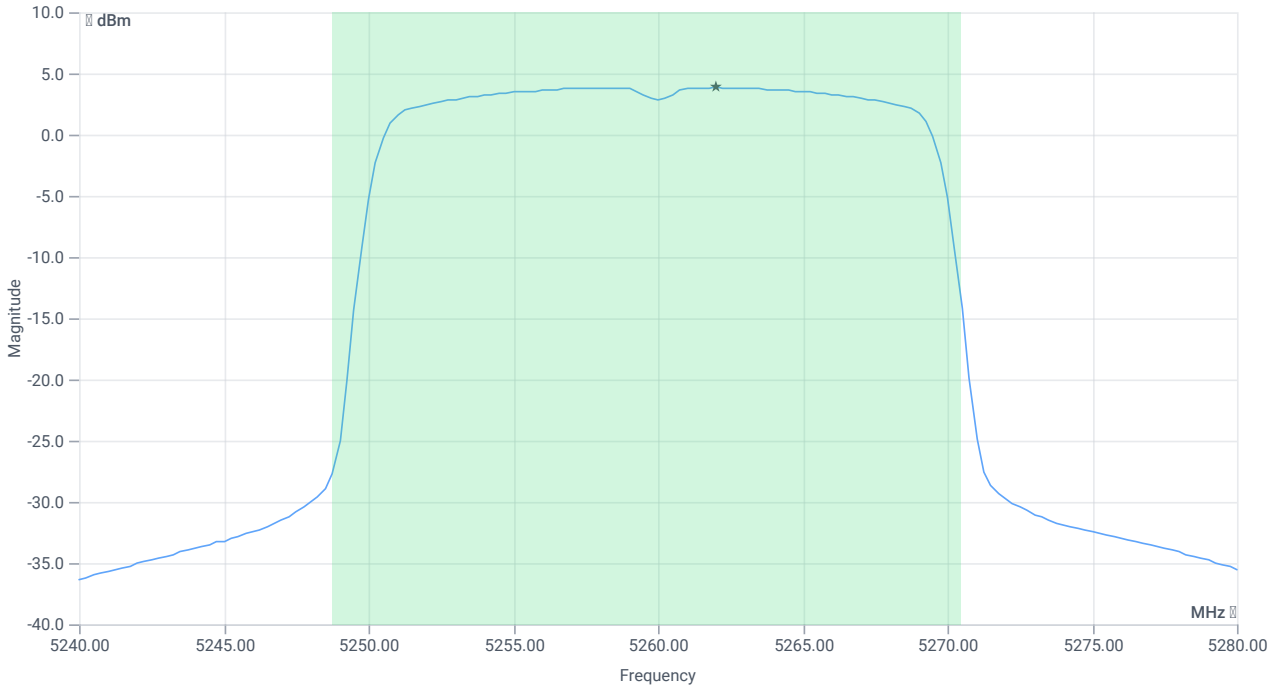
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	27.25 | 10.85 | 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	---	---	15.79	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.79	dBm	PASS
LIMIT: 11 dBm + 10 log 21.72					
Max output power DC corrected cond	---	24.37	15.79	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.79	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	---	---	3.86	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.86	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	26.01.2026 13:12:26
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

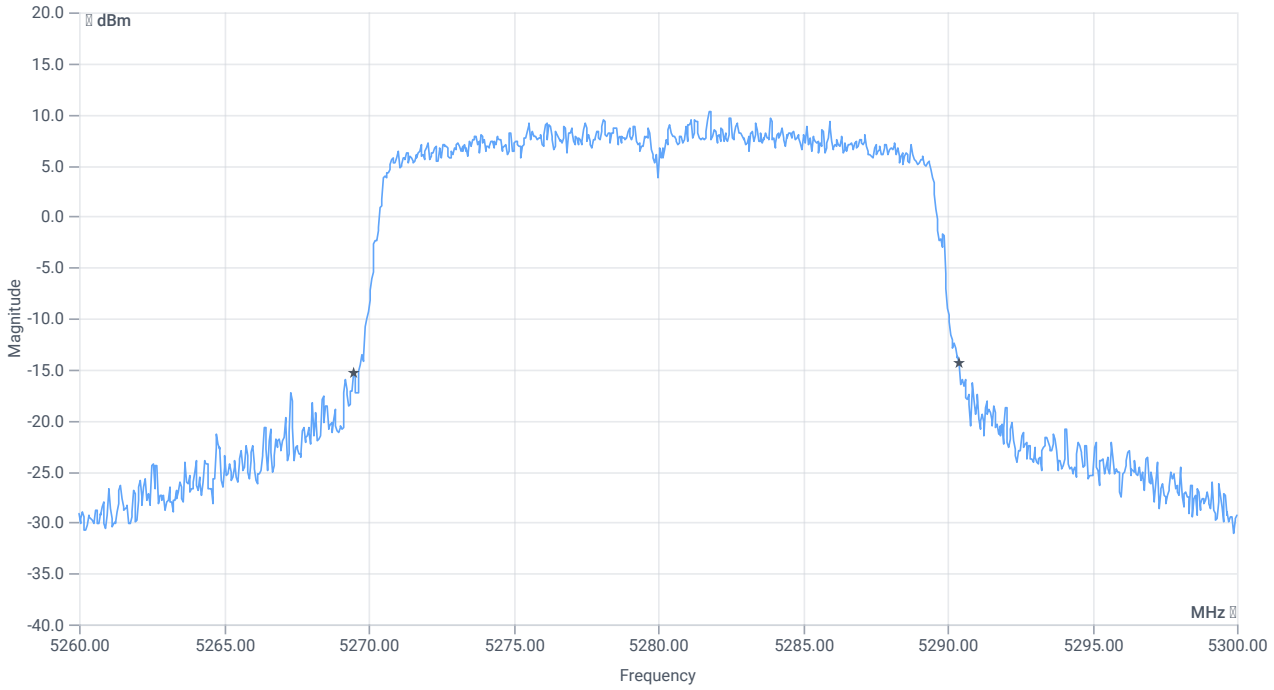
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.73	dBm	INFO
Ref. frequency	---	---	5282.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.92	MHz	INFO
T1 26dB	---	---	5269.4800	MHz	INFO
T2 26dB	---	---	5290.4000	MHz	INFO

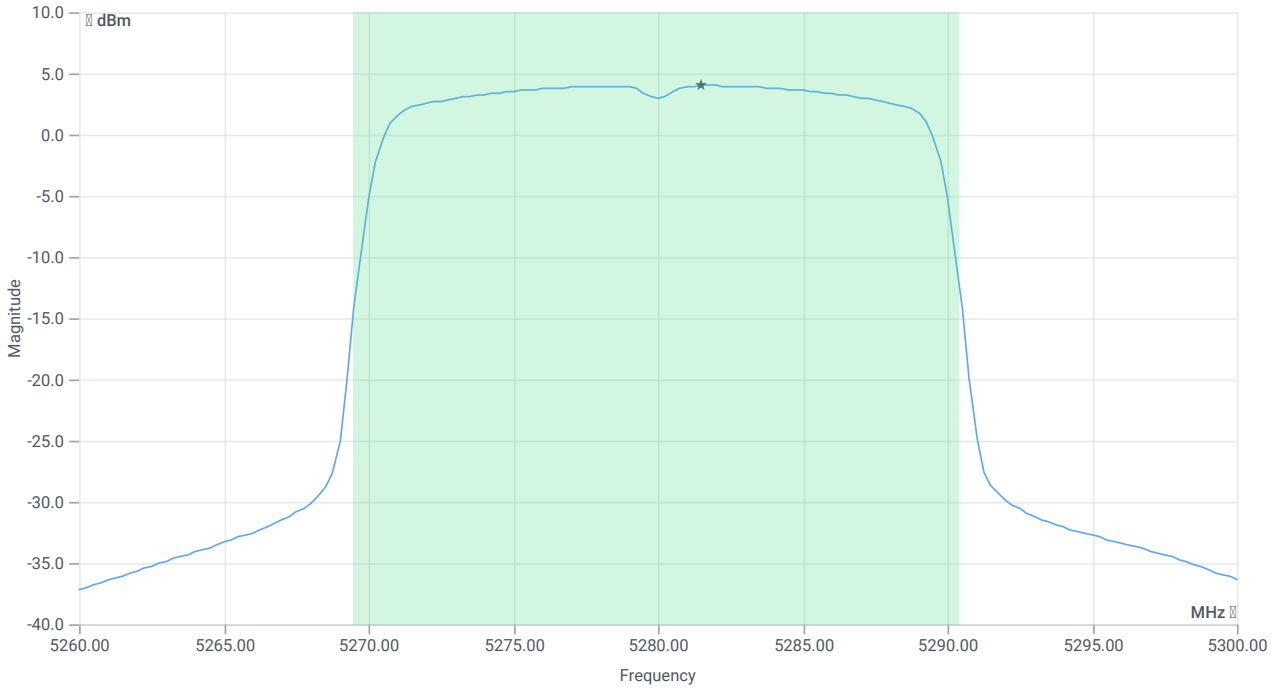
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.73 | 10.84 | 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	---	---	15.89	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.89	dBm	PASS
LIMIT: 11 dBm + 10 log 20.92					
Max output power DC corrected cond	---	24.21	15.89	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.89	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	---	---	4	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	4	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:14:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

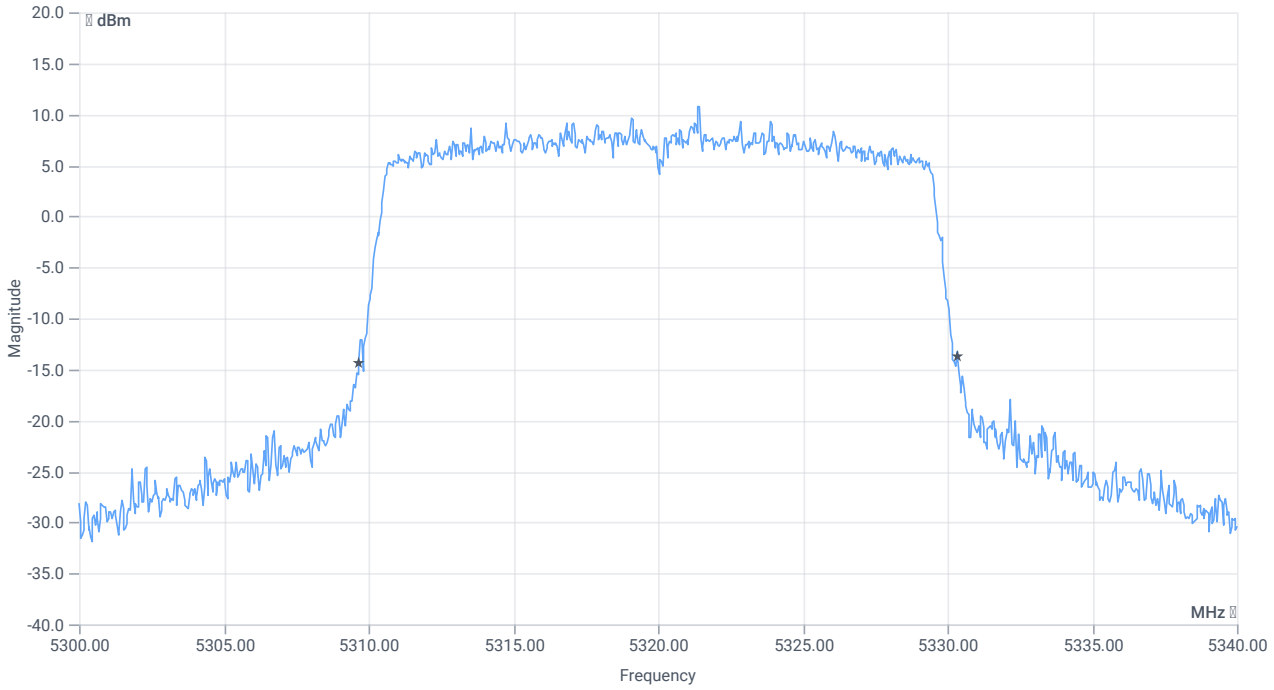
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.02	dBm	INFO
Ref. frequency	---	---	5318.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.68	MHz	INFO
T1 26dB	---	---	5309.6800	MHz	INFO
T2 26dB	---	---	5330.3600	MHz	INFO

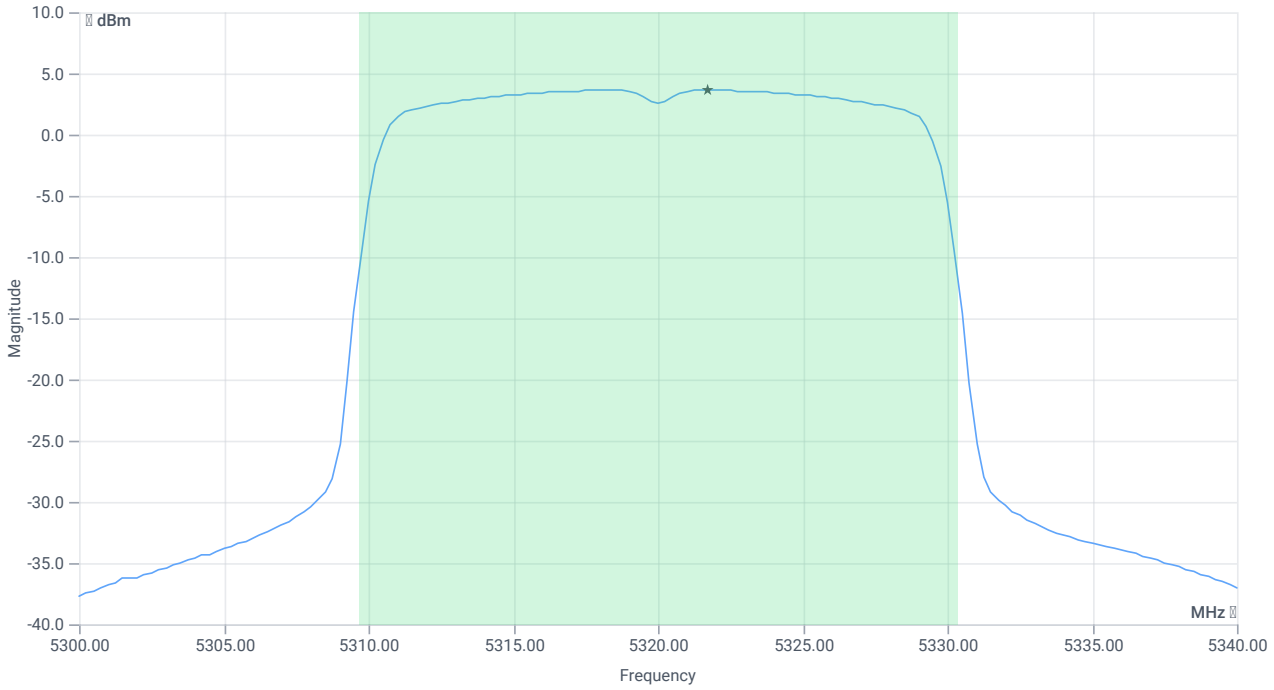
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.02 | 10.76 | 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	---	---	15.55	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.55	dBm	PASS
LIMIT: 11 dBm + 10 log 20.68					
Max output power DC corrected cond	---	24.16	15.55	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.55	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	---	---	3.62	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.62	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	26.01.2026 13:38:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5720
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.

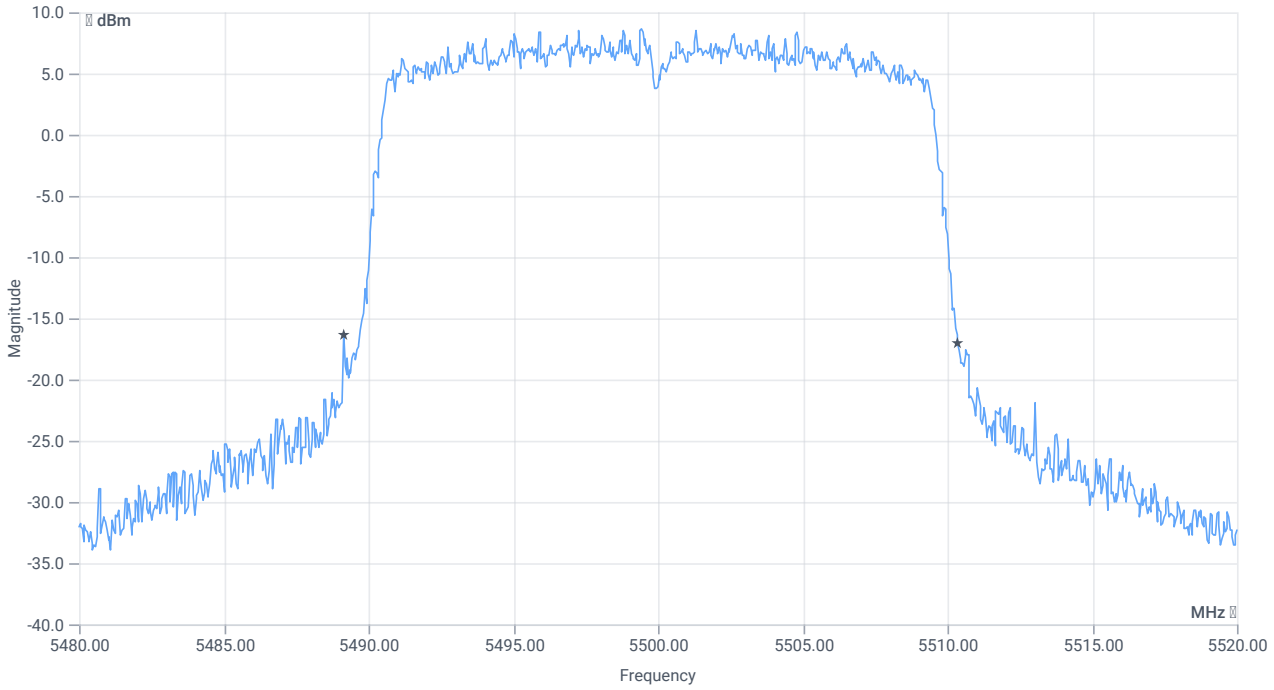
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.72	dBm	INFO
Ref. frequency	---	---	5505.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

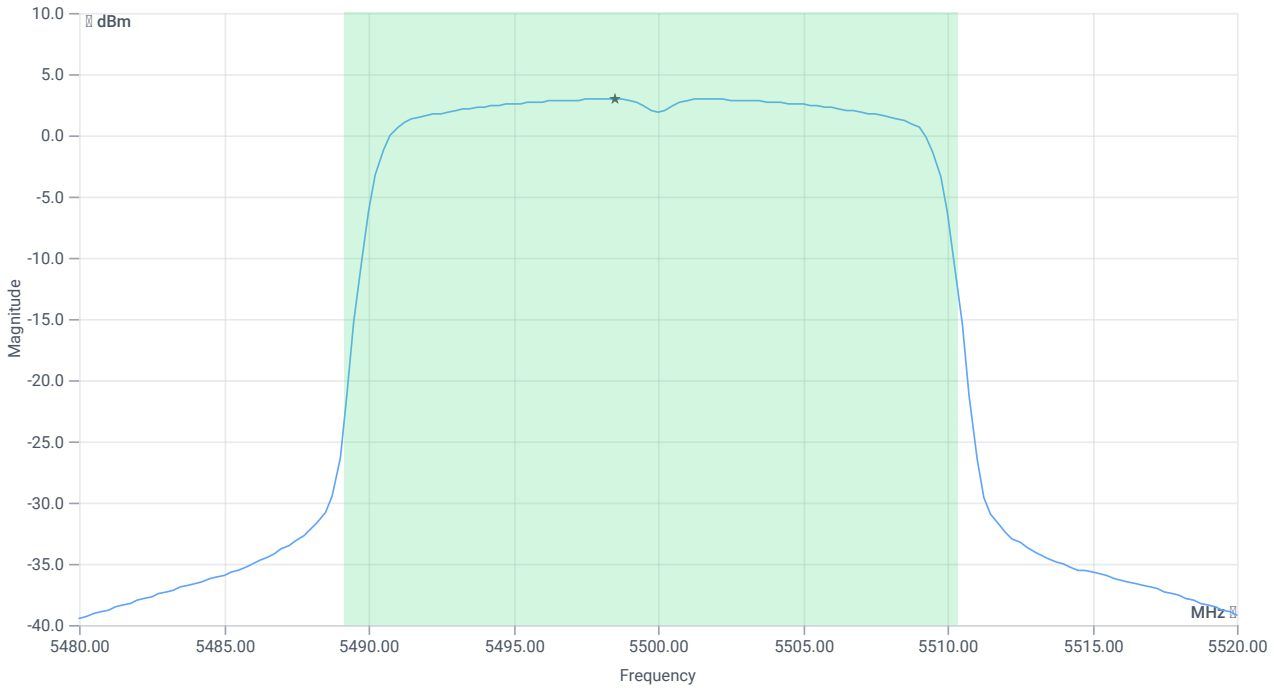
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.24	MHz	INFO
T1 26dB	---	---	5489.1200	MHz	INFO
T2 26dB	---	---	5510.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.72 | 10.87 | 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	---	---	14.86	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	14.86	dBm	PASS
LIMIT: 11 dBm + 10 log 21.24					
Max output power DC corrected cond	---	24.27	14.86	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	14.86	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	---	---	2.95	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.95	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:40:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5720
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.

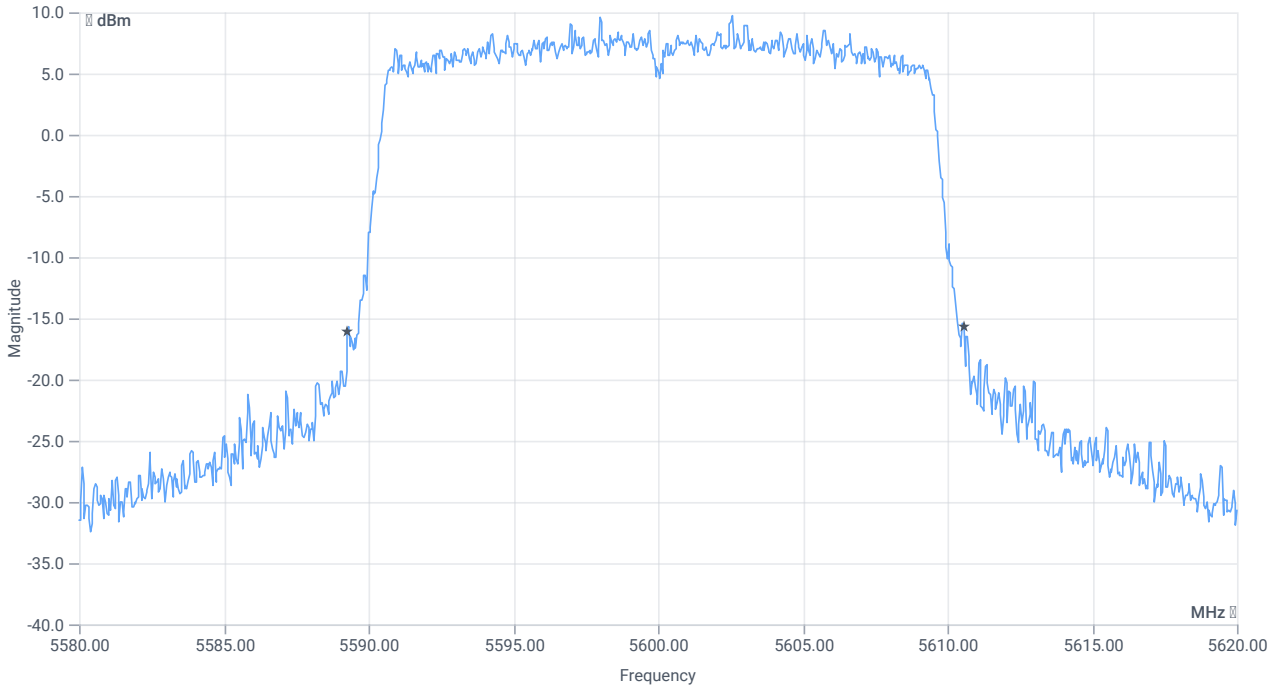
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.86	dBm	INFO
Ref. frequency	---	---	5602.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

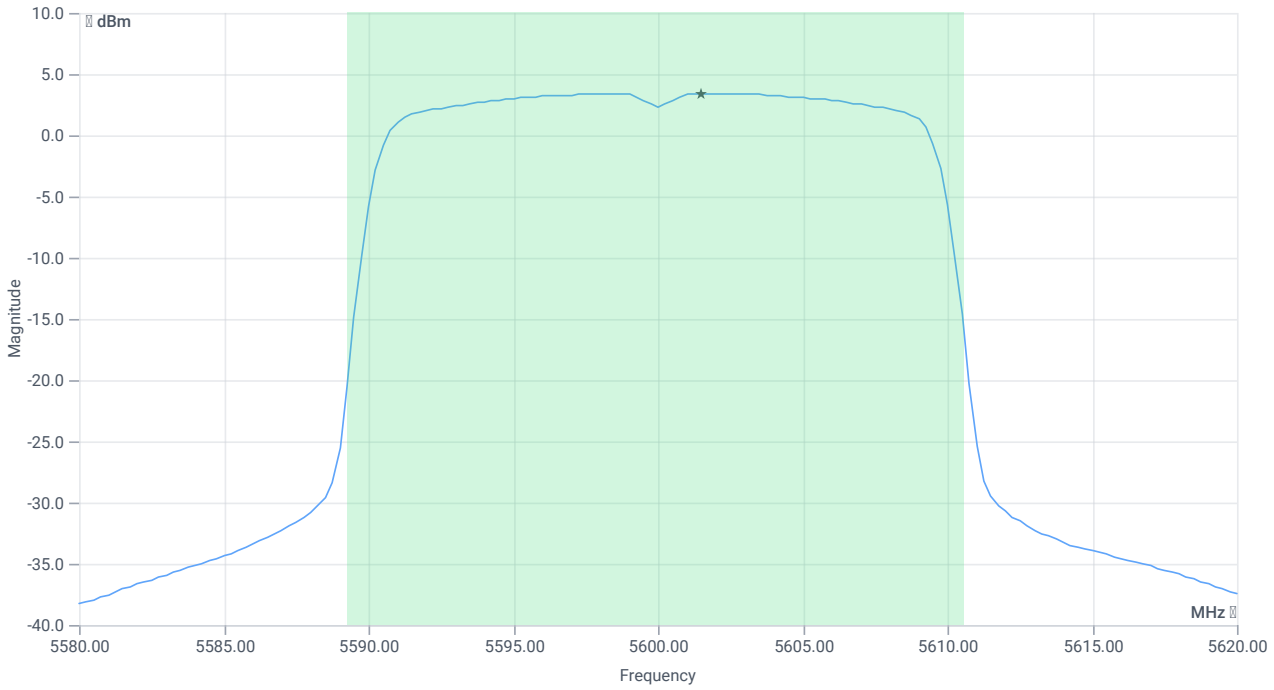
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.28	MHz	INFO
T1 26dB	---	---	5589.2800	MHz	INFO
T2 26dB	---	---	5610.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	26.86 | 11.02 | 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	---	---	15.35	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.35	dBm	PASS
LIMIT: 11 dBm + 10 log 21.28					
Max output power DC corrected cond	---	24.28	15.35	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.35	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	---	---	3.44	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.44	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:42:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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] 5720
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 5720 MHz

RESULT: Reference power cond.

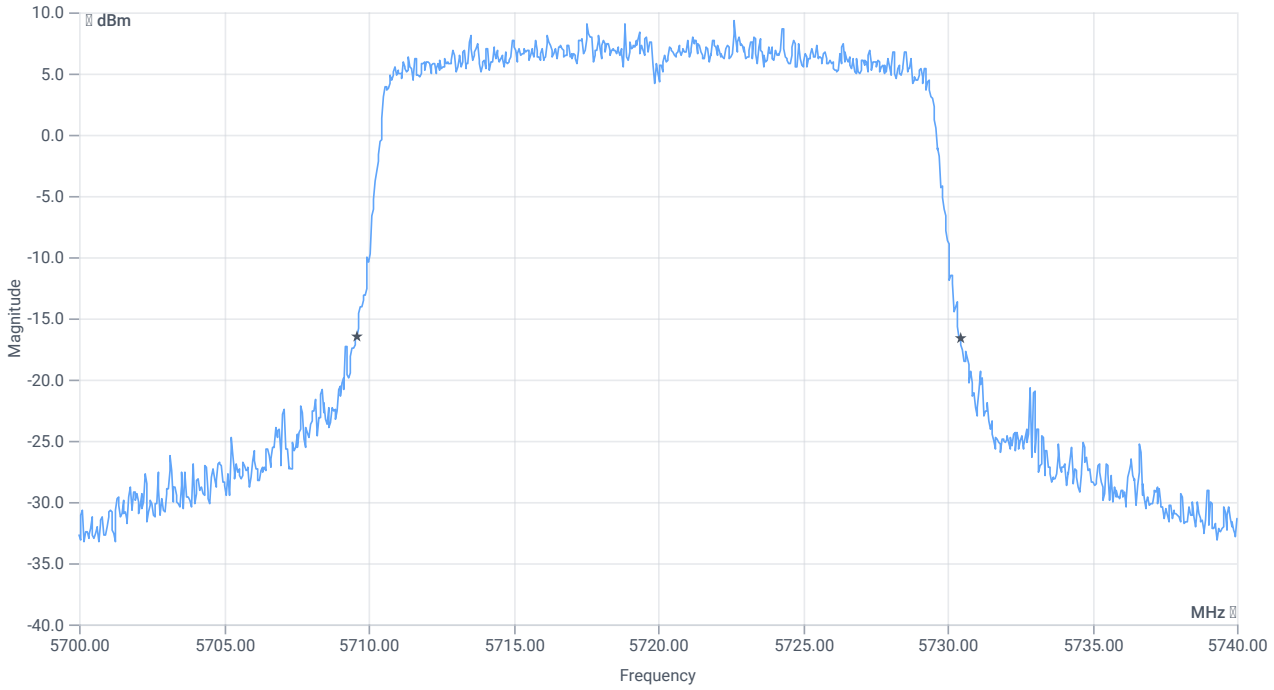
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.72	dBm	INFO
Ref. frequency	---	---	5717.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

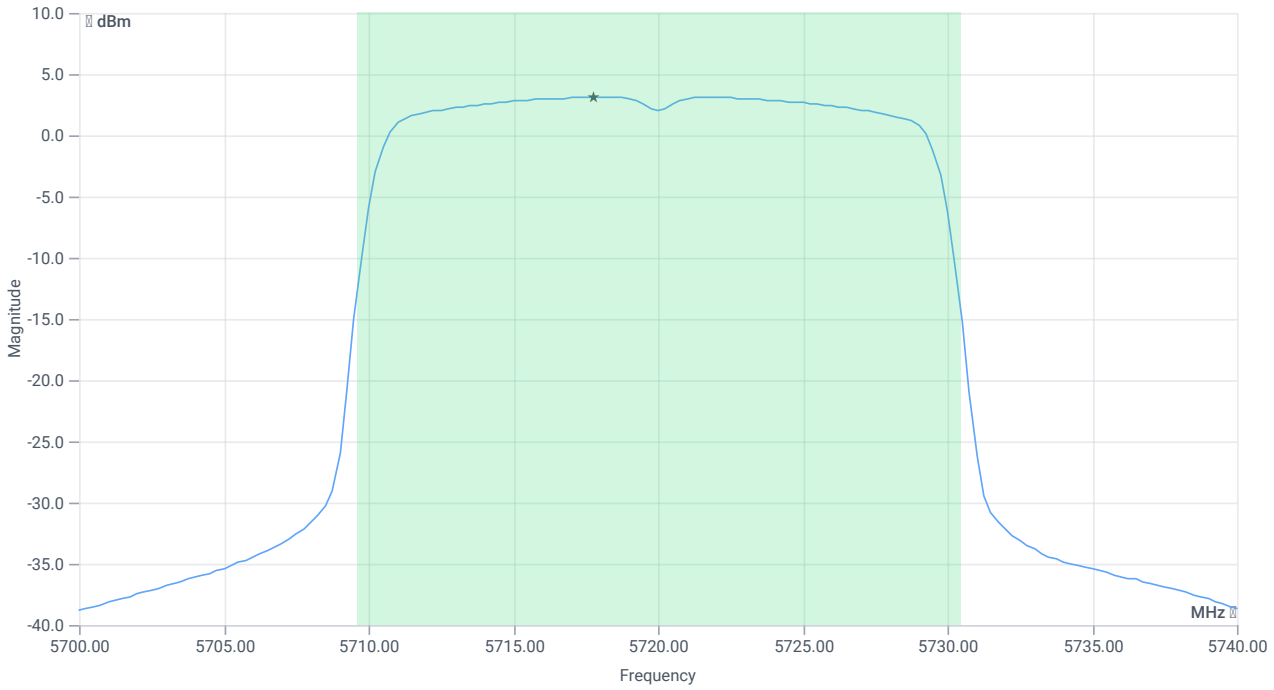
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.84	MHz	INFO
T1 26dB	---	---	5709.6000	MHz	INFO
T2 26dB	---	---	5730.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.72 | 11.15 | 30
Start [MHz] | Stop [MHz]	5700.000 | 5740.000
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	---	---	15.03	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	15.03	dBm	PASS
LIMIT: 11 dBm + 10 log 20.84					
Max output power DC corrected cond	---	24.19	15.03	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	15.03	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	---	---	3.13	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.13	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:45:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

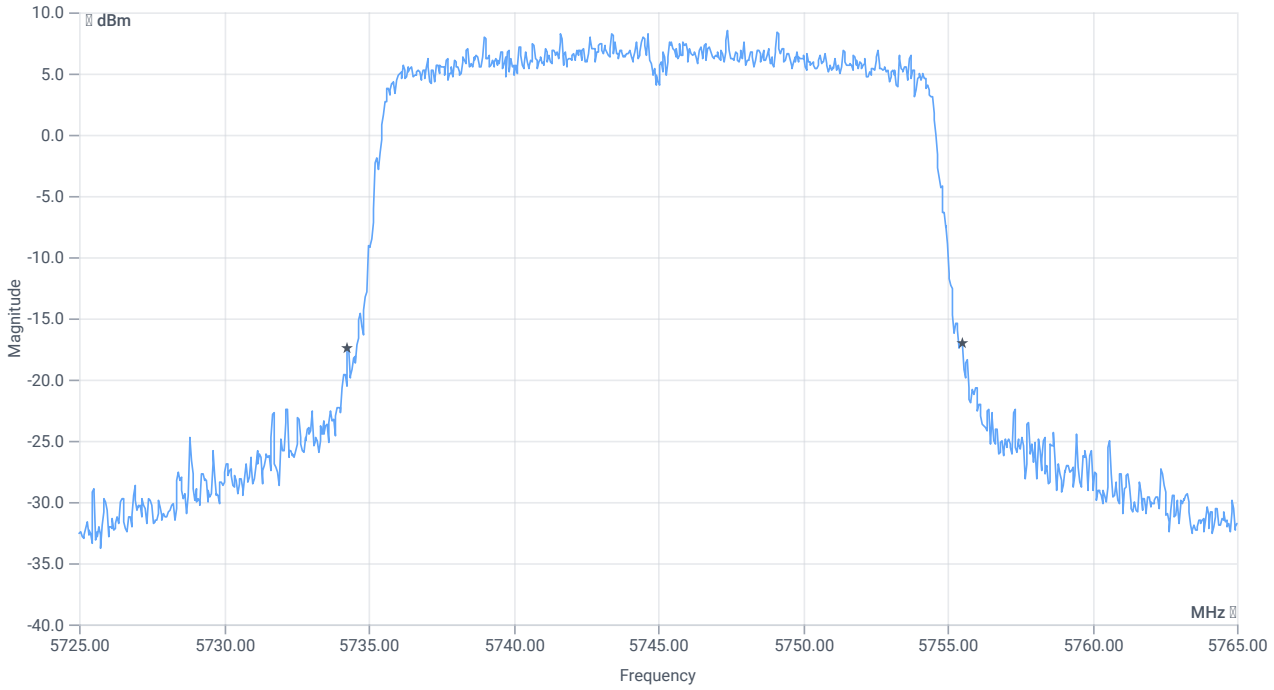
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.87	dBm	INFO
Ref. frequency	---	---	5746.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

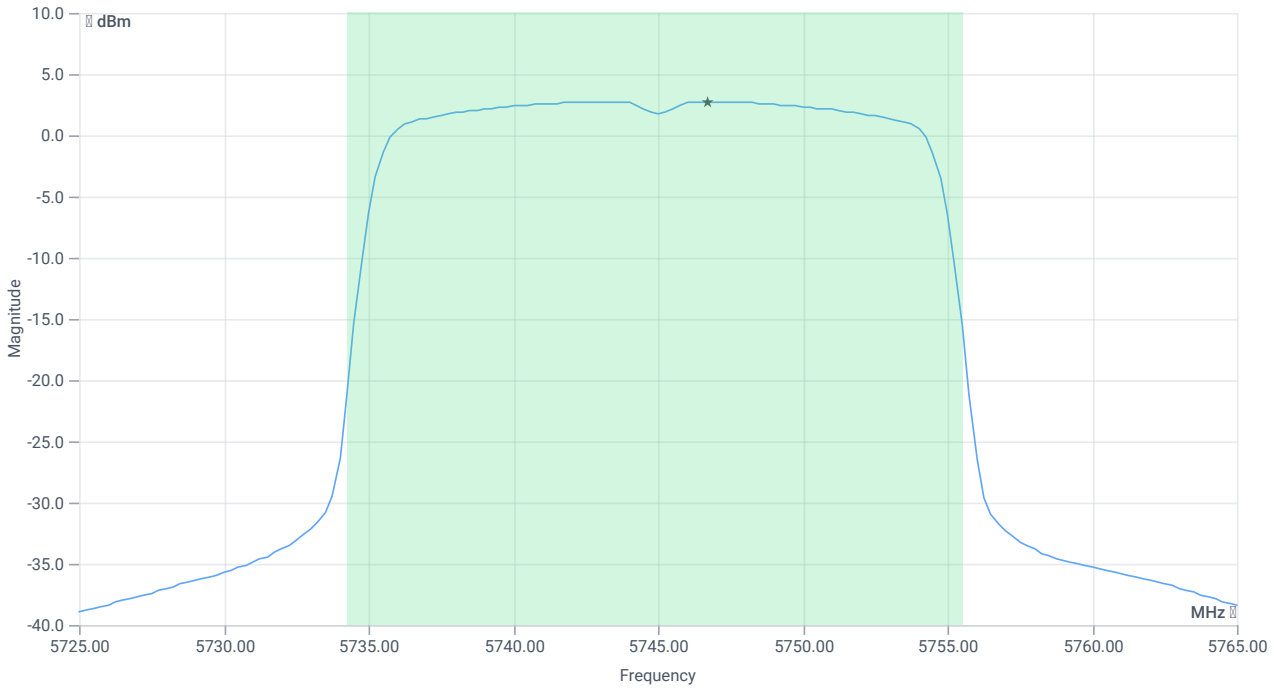
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.24	MHz	INFO
T1 26dB	---	---	5734.2800	MHz	INFO
T2 26dB	---	---	5755.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.87 | 11.14 | 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	---	---	14.68	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	14.68	dBm	PASS
LIMIT: 11 dBm + 10 log 21.24					
Max output power DC corrected cond	---	24.27	14.68	dBm	na

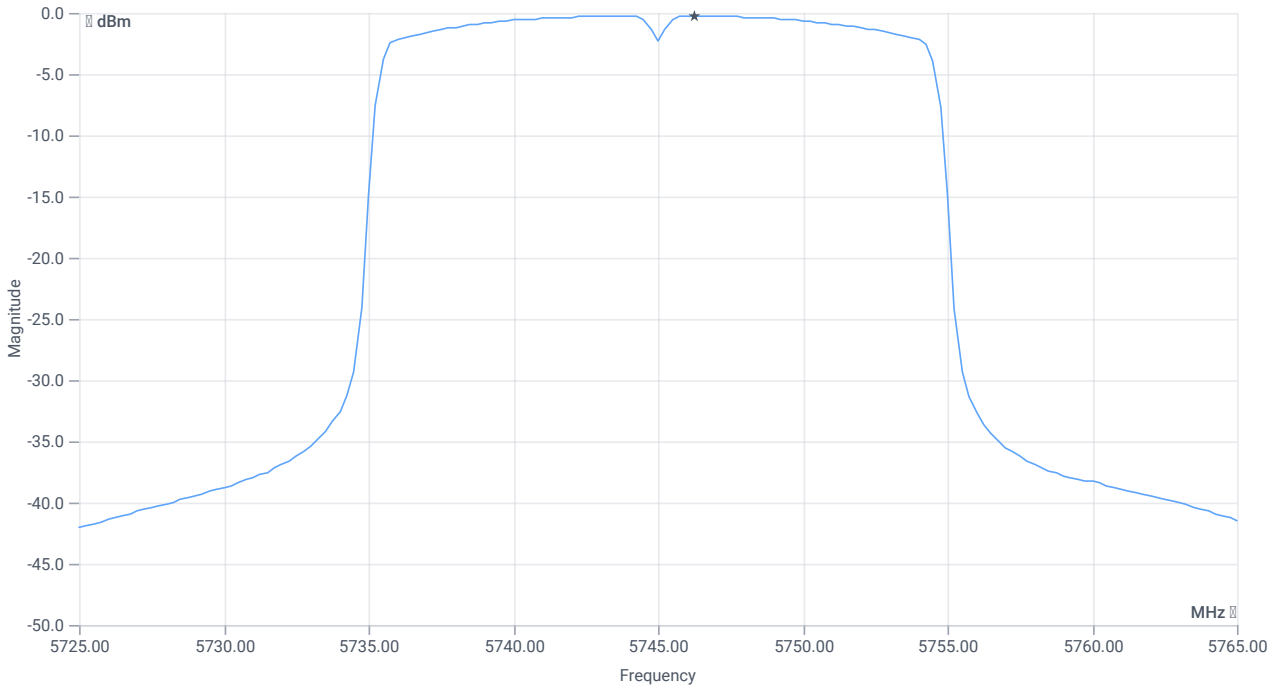
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.87 | 11.14 | 30

READ SA SETTINGS:

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	---	---	-0.22	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.22	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:48:00
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

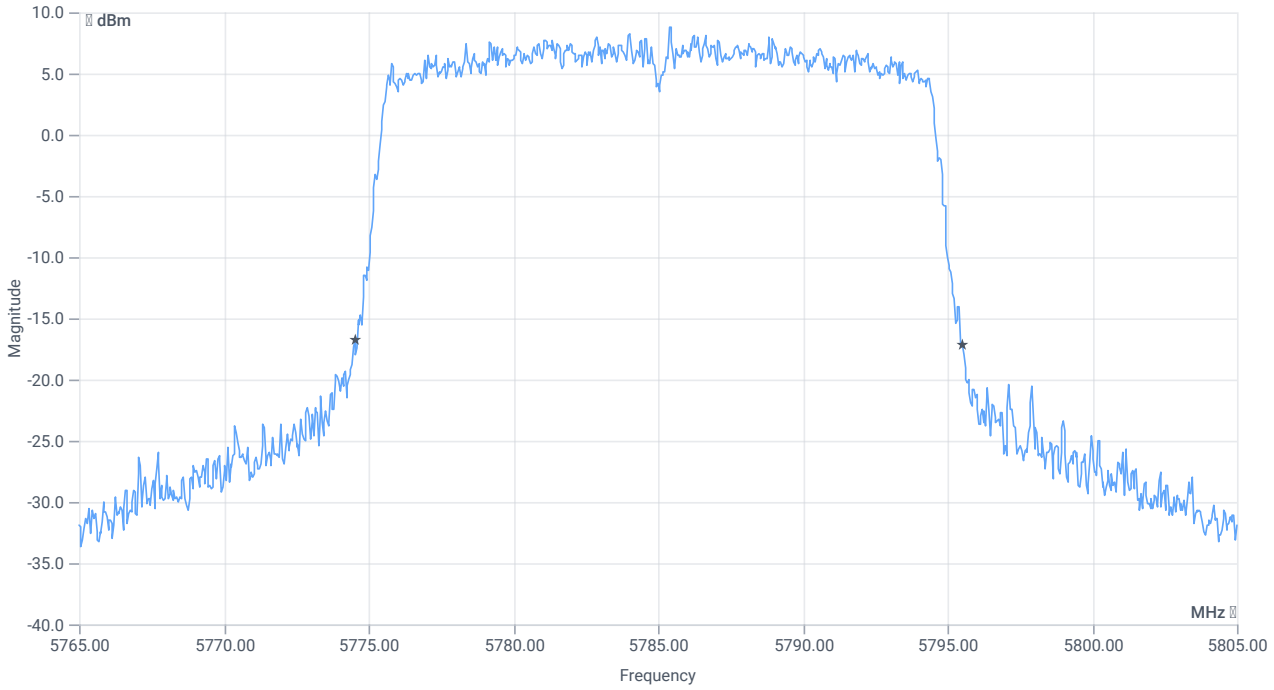
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.72	dBm	INFO
Ref. frequency	---	---	5792.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

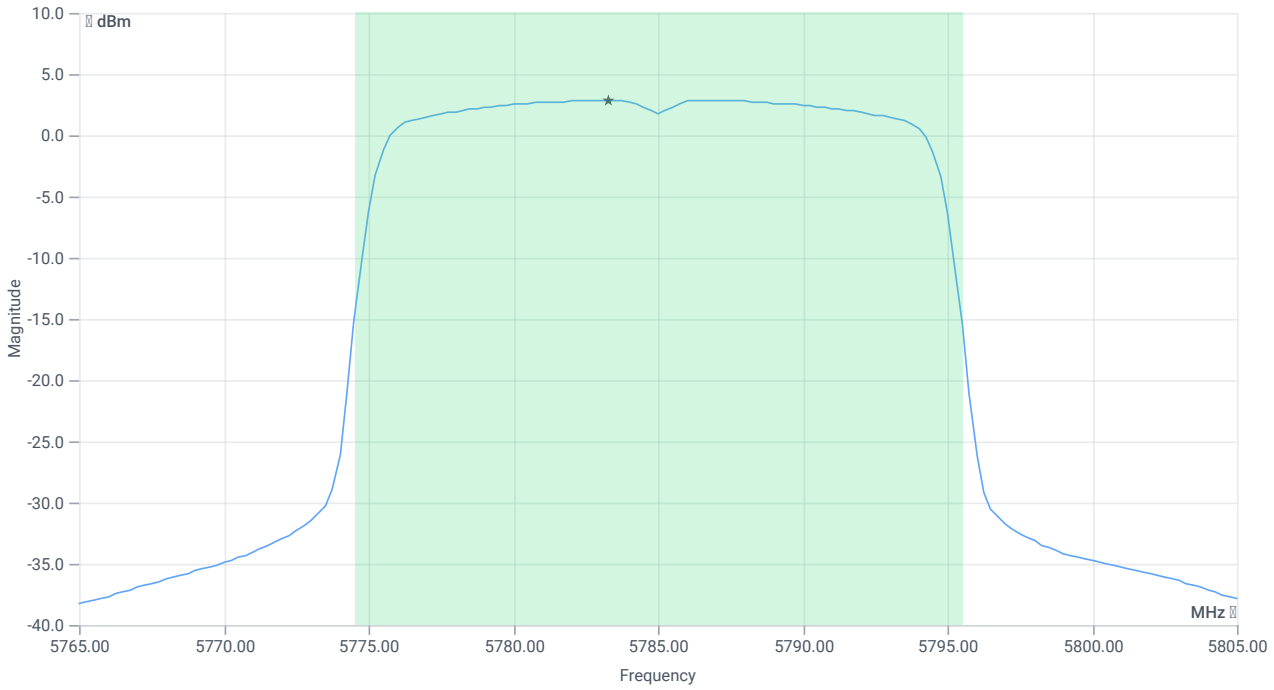
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21	MHz	INFO
T1 26dB	---	---	5774.5200	MHz	INFO
T2 26dB	---	---	5795.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.72 | 11.31 | 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	---	---	14.79	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	14.79	dBm	PASS
LIMIT: 11 dBm + 10 log 21					
Max output power DC corrected cond	---	24.22	14.79	dBm	na

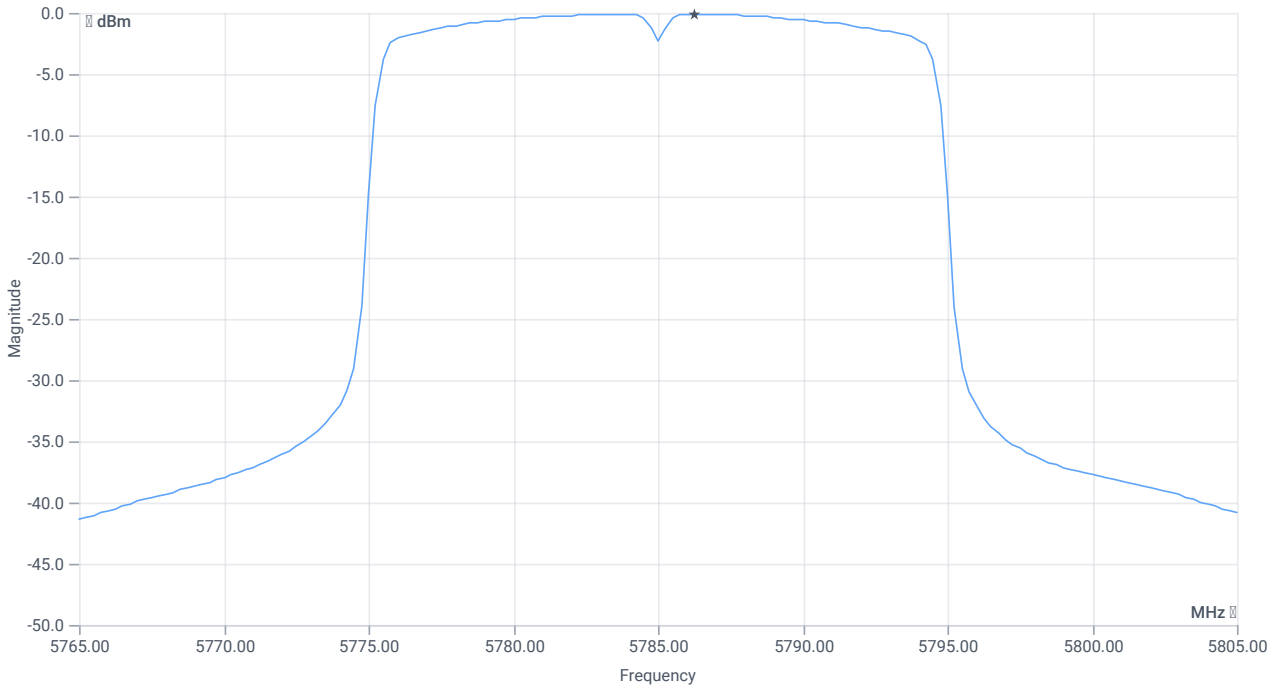
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.72 | 11.31 | 30

READ SA SETTINGS:

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	---	---	-0.12	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.12	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	26.01.2026 13:51:45
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

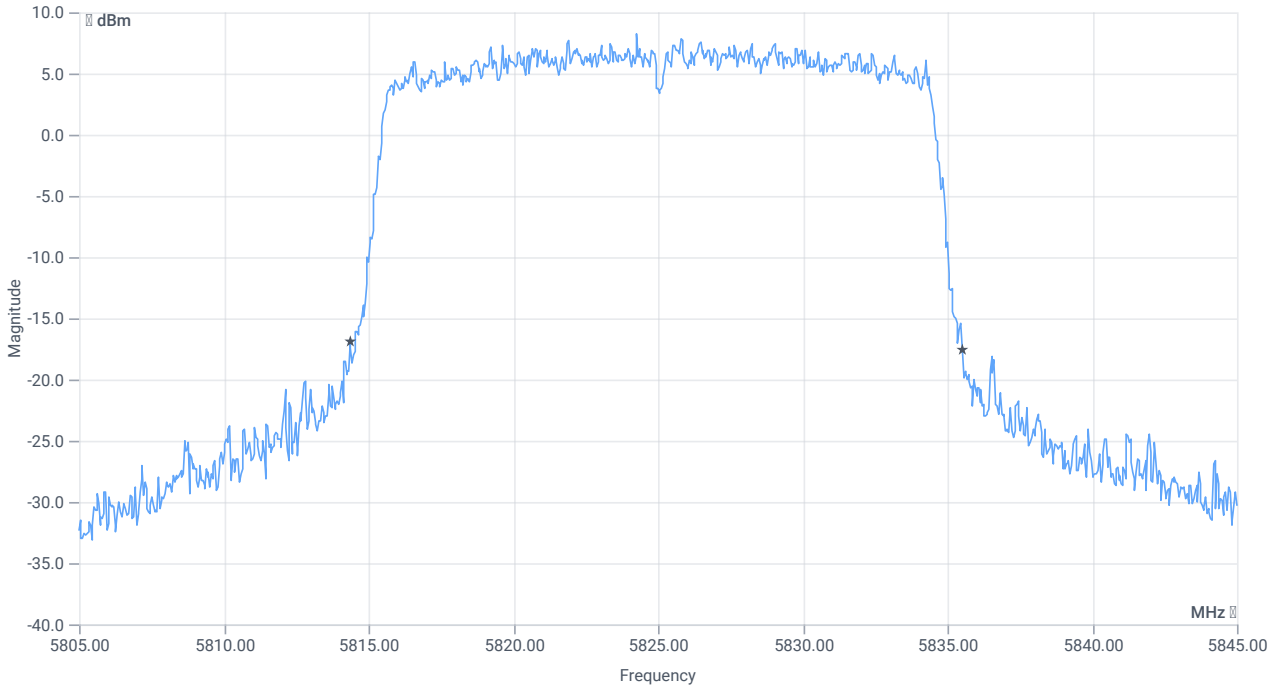
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.05	dBm	INFO
Ref. frequency	---	---	5818.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

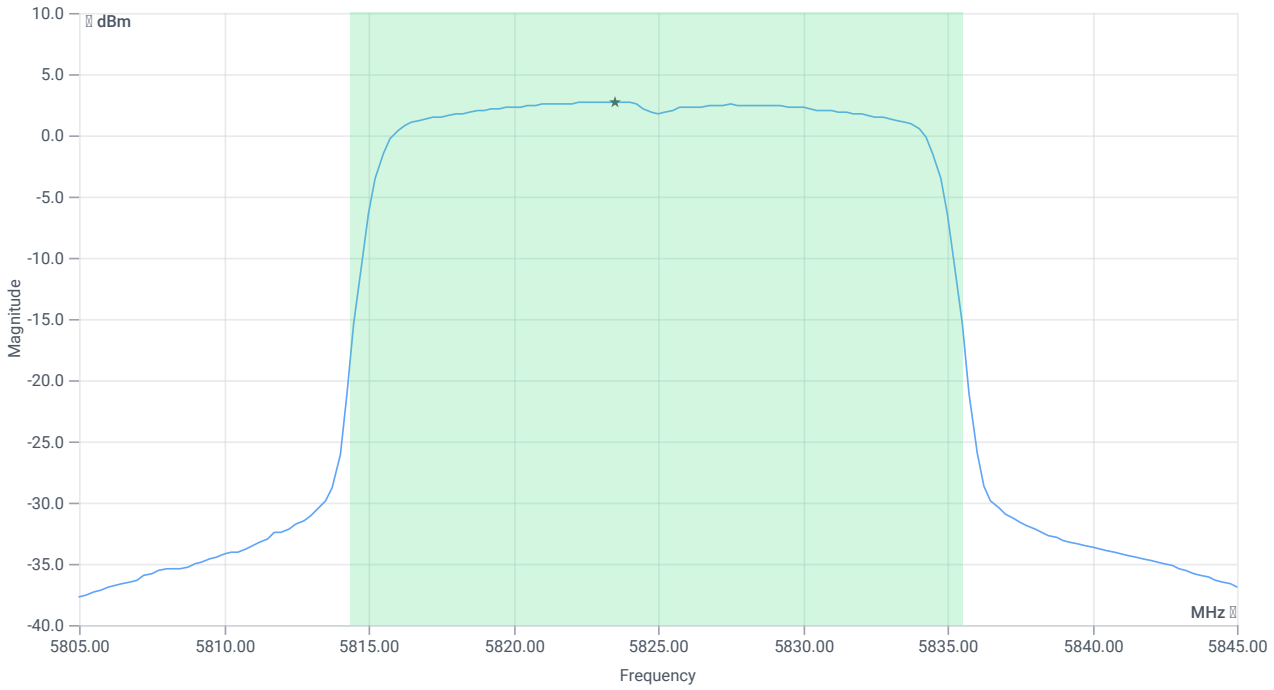
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.16	MHz	INFO
T1 26dB	---	---	5814.3600	MHz	INFO
T2 26dB	---	---	5835.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.05 | 11.29 | 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	---	---	14.57	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	14.57	dBm	PASS
LIMIT: 11 dBm + 10 log 21.16					
Max output power DC corrected cond	---	24.26	14.57	dBm	na

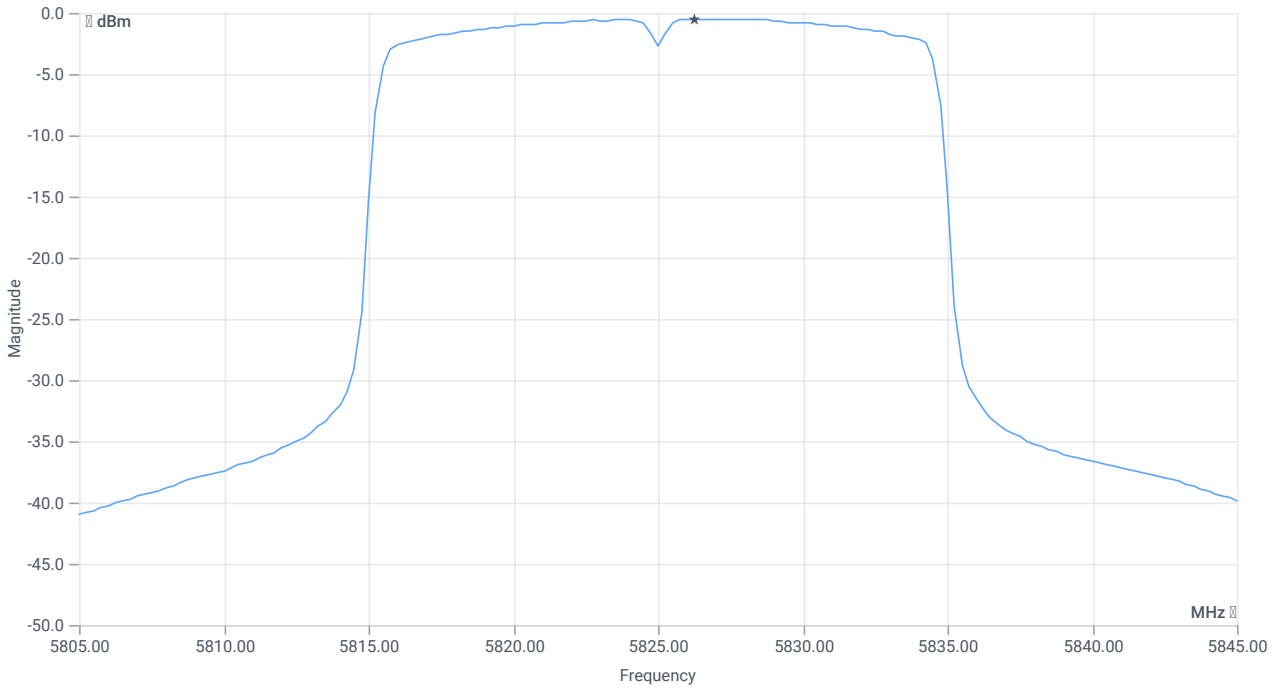
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	25.05 | 11.29 | 30

READ SA SETTINGS:

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	---	---	-0.48	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-0.48	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-1

References

TC start	22.01.2026 14:26:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

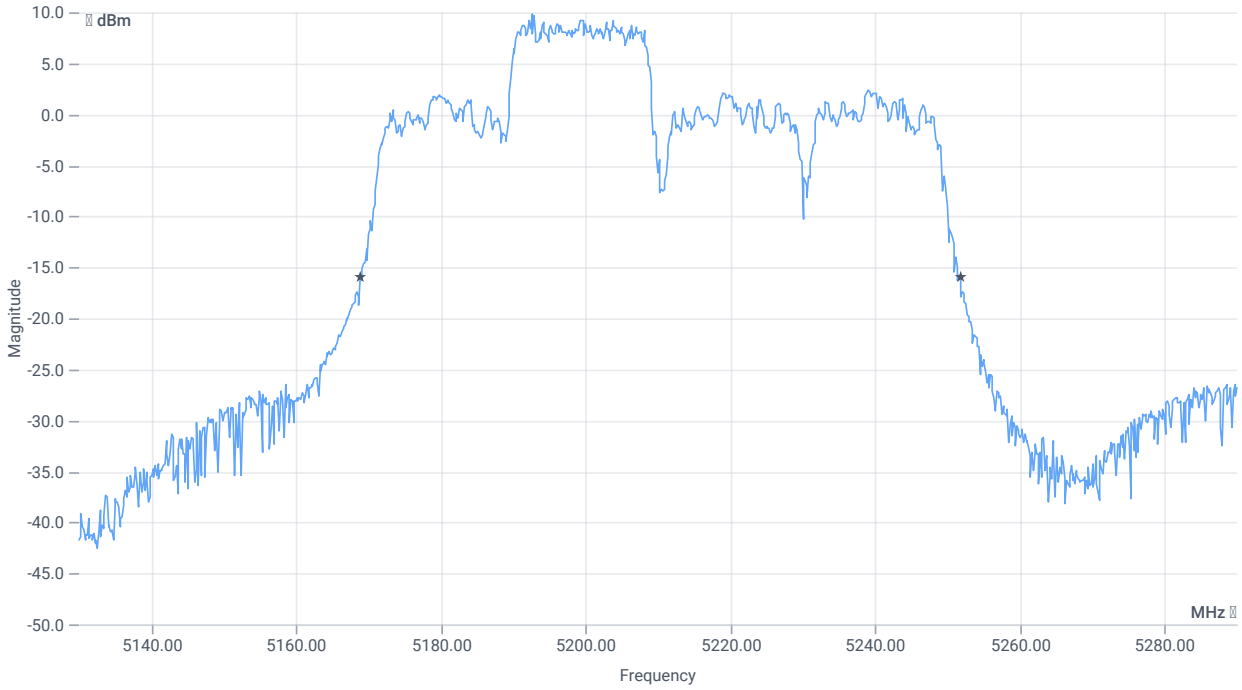
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.78	dBm	INFO
Ref. frequency	---	---	5206.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

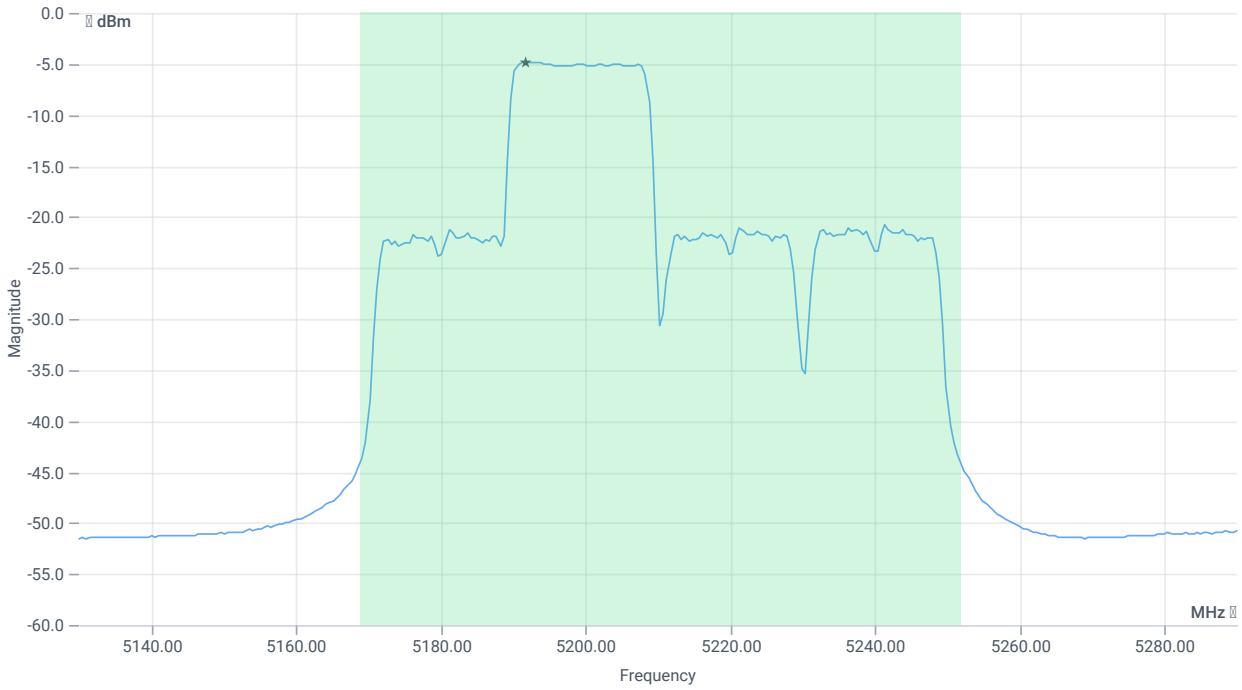
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.88	MHz	INFO
T1 26dB	---	---	5168.8800	MHz	INFO
T2 26dB	---	---	5251.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.78 | 10.85 | 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	---	---	7.65	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.65	dBm	PASS
LIMIT: 11 dBm + 10 log 82.88					
Max output power DC corrected cond	---	30.18	7.65	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.89	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.89	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2A

References

TC start	22.01.2026 14:29:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

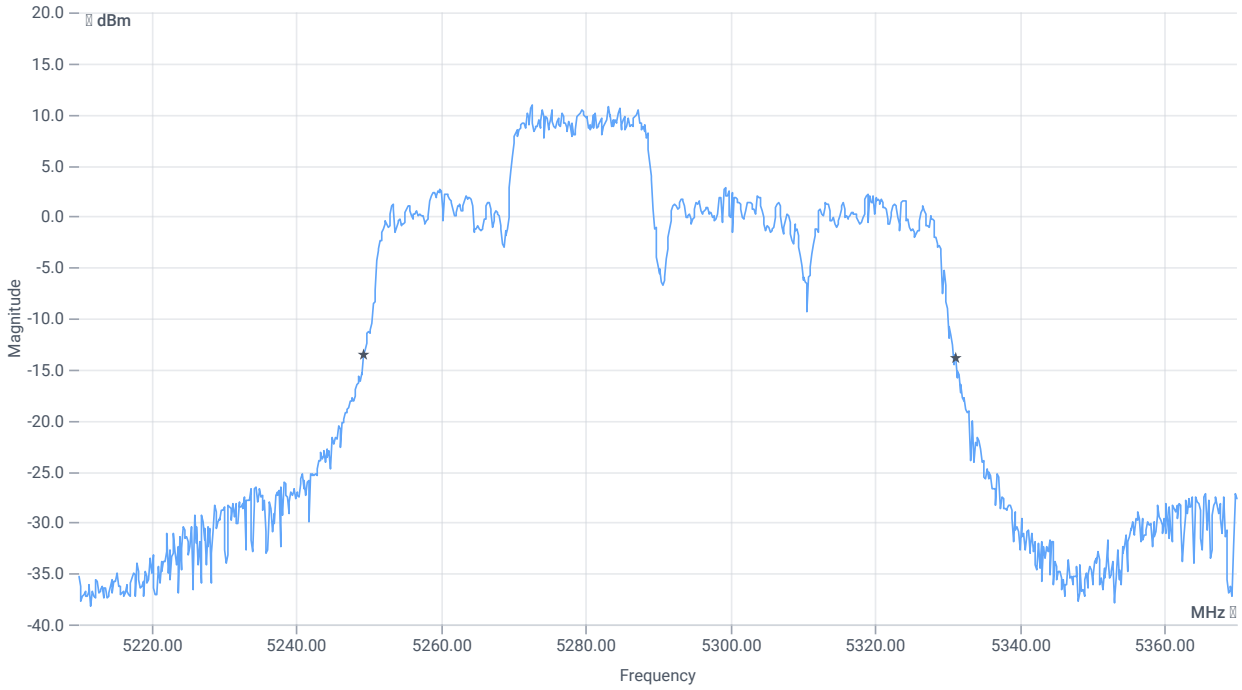
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.95	dBm	INFO
Ref. frequency	---	---	5273.820	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	81.76	MHz	INFO
T1 26dB	---	---	5249.3600	MHz	INFO
T2 26dB	---	---	5331.1200	MHz	INFO

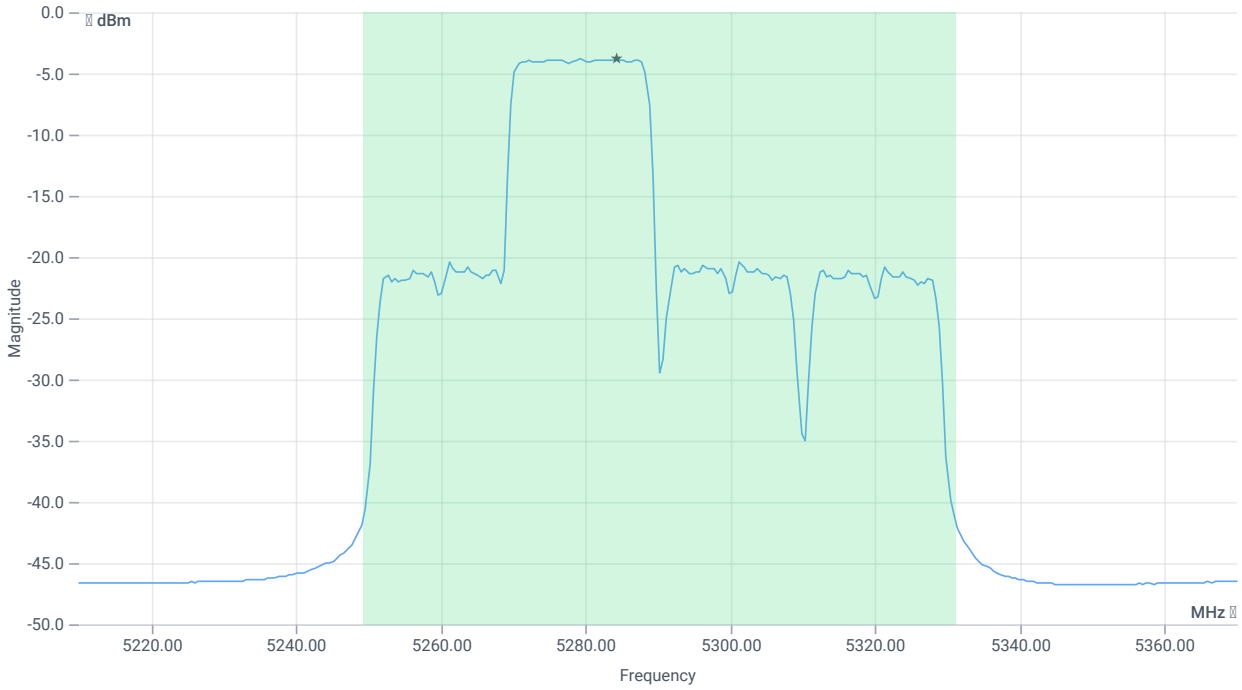
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.95 | 10.83 | 30
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	---	---	8.71	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.71	dBm	PASS
LIMIT: 11 dBm + 10 log 81.76					
Max output power DC corrected cond	---	30.13	8.71	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.71	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	dB	INFO
Power spectral density DC corrected cond	---	11	-3.85	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-2C

References

TC start	22.01.2026 14:32:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | Freq [MHz] 5610
Frequency high to test	True | 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.

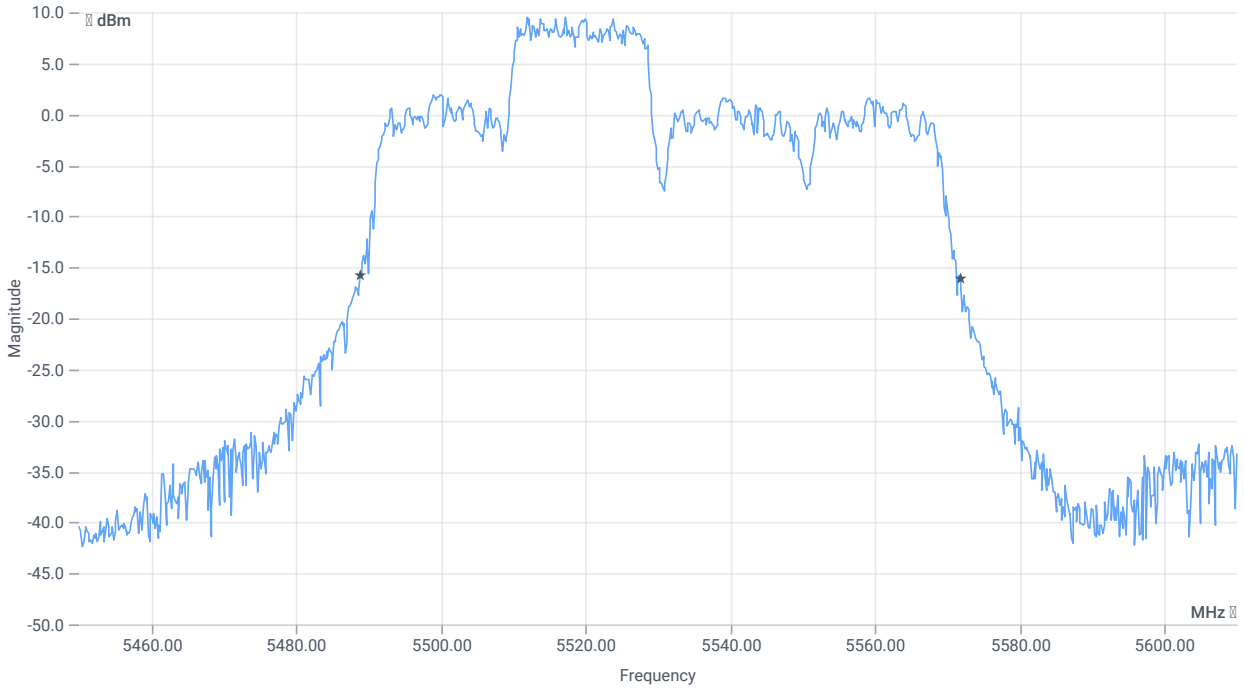
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.61	dBm	INFO
Ref. frequency	---	---	5517.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

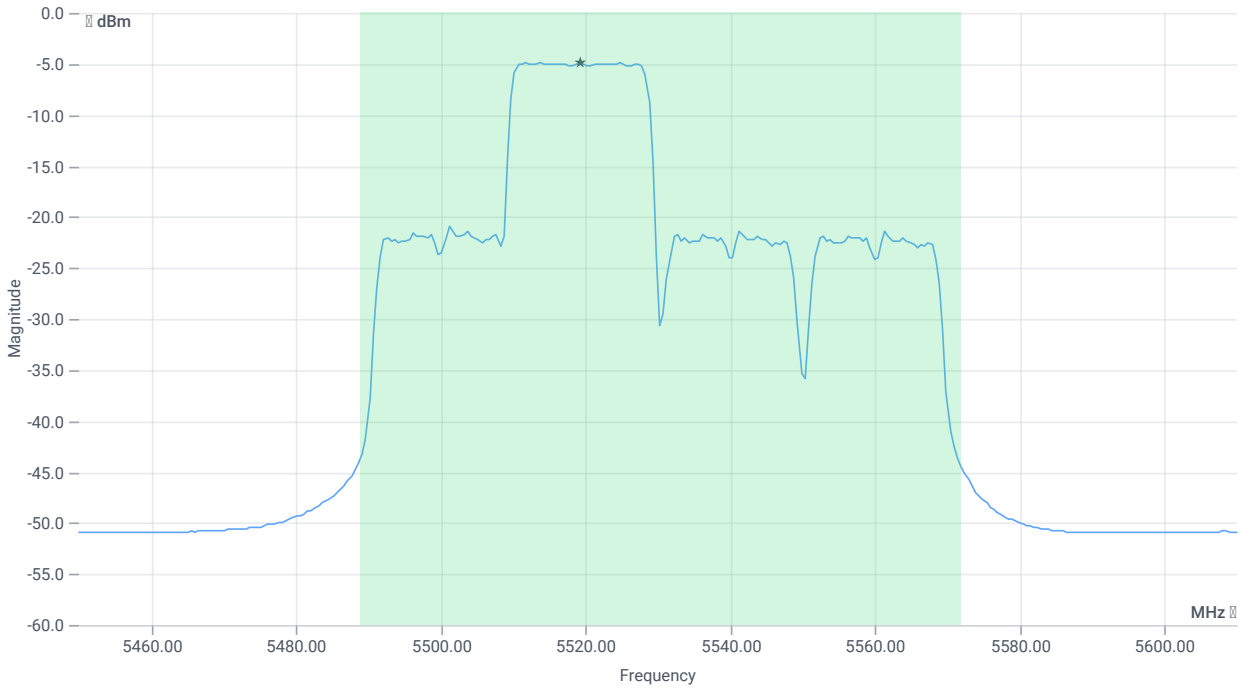
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.88	MHz	INFO
T1 26dB	---	---	5488.8800	MHz	INFO
T2 26dB	---	---	5571.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.61 | 11.1 | 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	---	---	7.68	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.68	dBm	PASS
LIMIT: 11 dBm + 10 log 82.88					
Max output power DC corrected cond	---	30.18	7.68	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.68	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	---	---	-4.9	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.9	dBm/1MHz	PASS

Test at TX 5610 MHz

RESULT: Reference power cond.

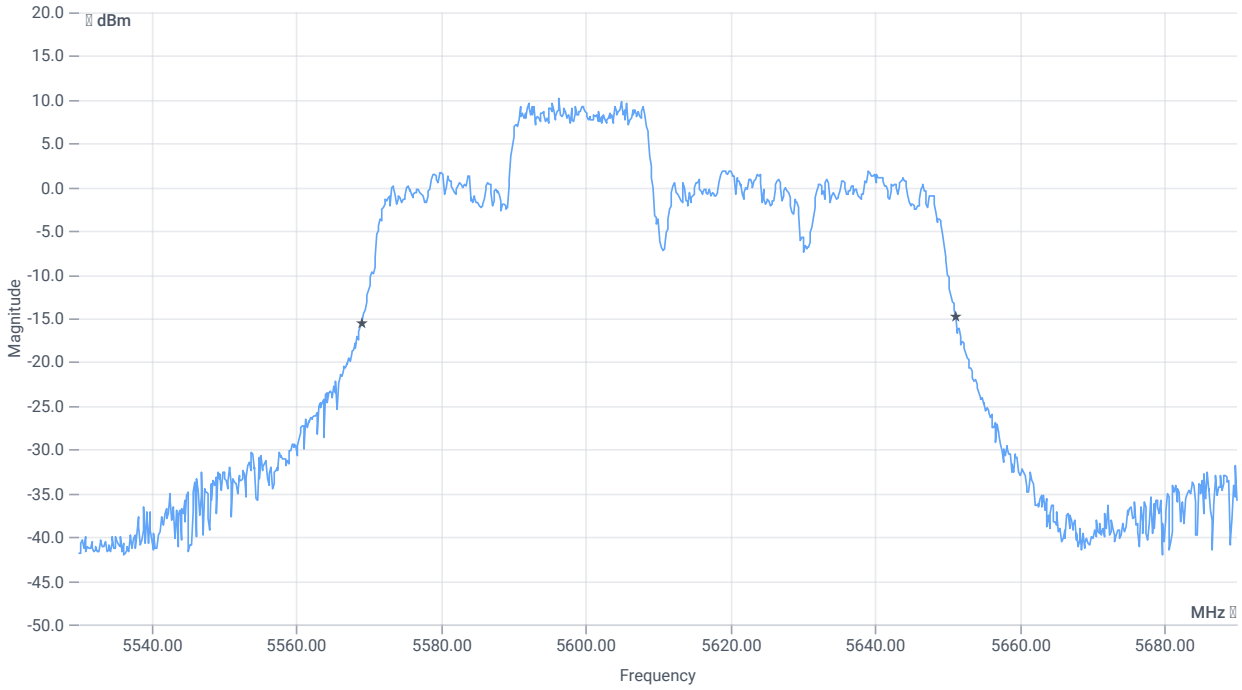
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.61	dBm	INFO
Ref. frequency	---	---	5598.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

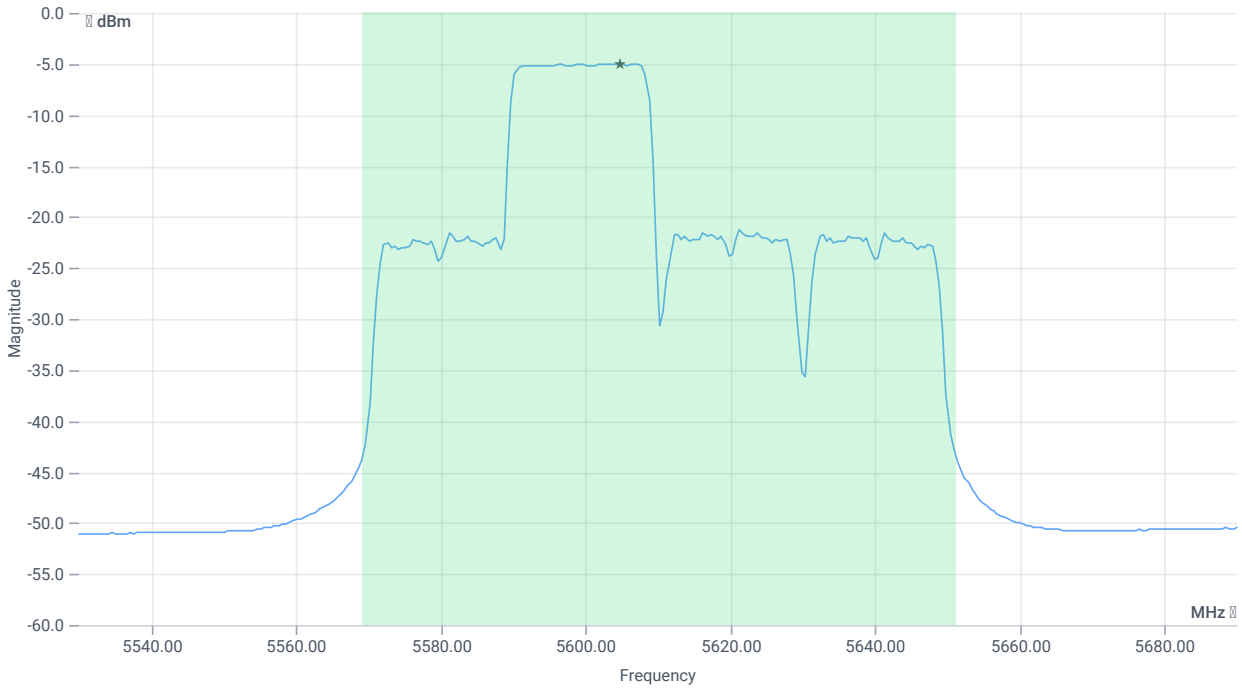
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.08	MHz	INFO
T1 26dB	---	---	5569.0400	MHz	INFO
T2 26dB	---	---	5651.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.61 | 11.02 | 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	---	---	7.59	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.59	dBm	PASS
LIMIT: 11 dBm + 10 log 82.08					
Max output power DC corrected cond	---	30.14	7.59	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.59	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	---	---	-4.95	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.95	dBm/1MHz	PASS

Test at TX 5690 MHz

RESULT: Reference power cond.

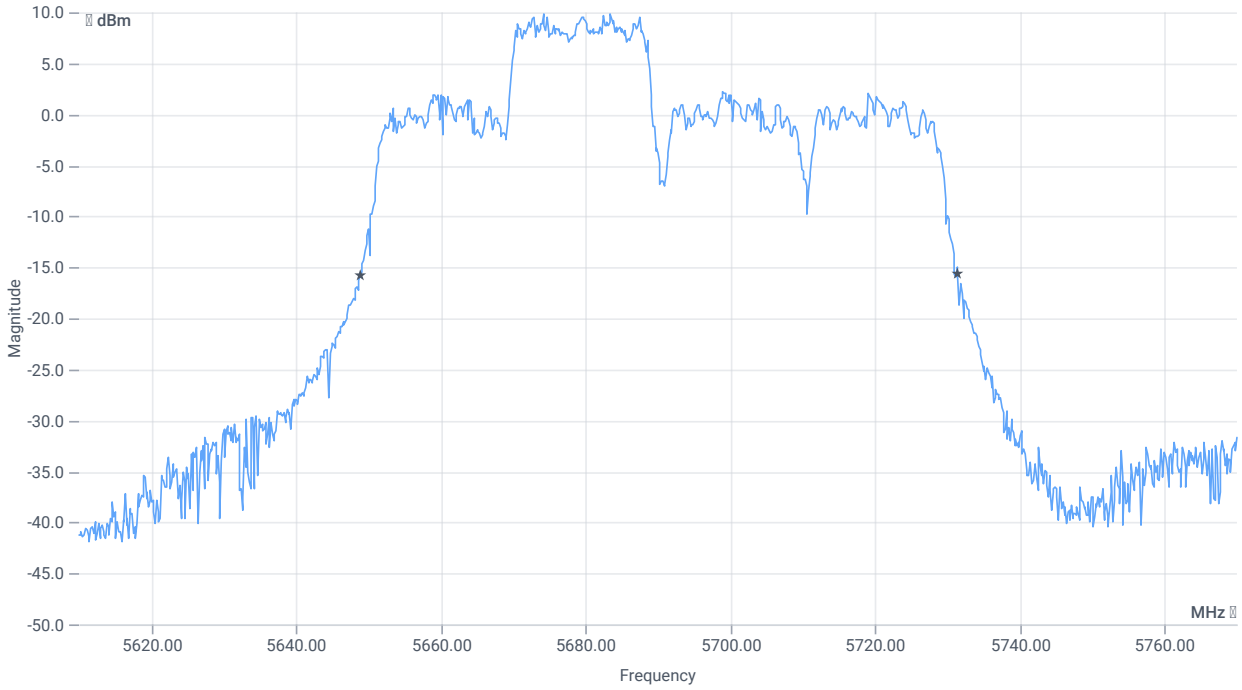
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.83	dBm	INFO
Ref. frequency	---	---	5672.420	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

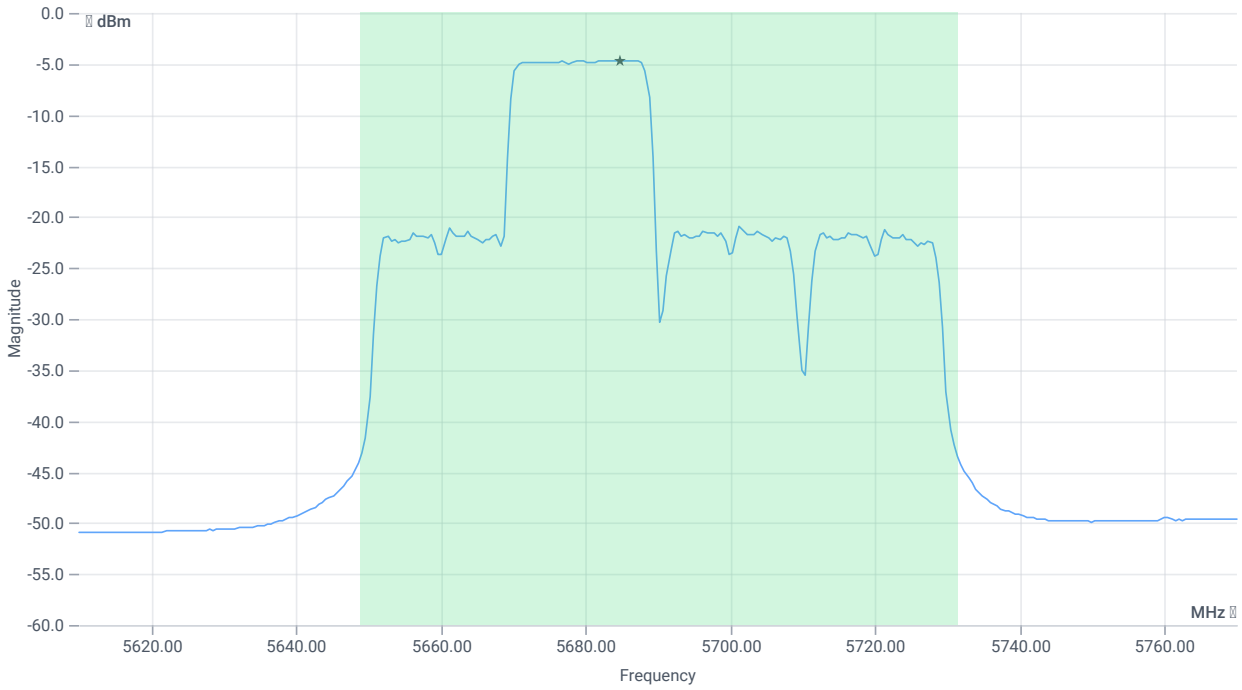
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.56	MHz	INFO
T1 26dB	---	---	5648.8800	MHz	INFO
T2 26dB	---	---	5731.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.83 | 11.14 | 25
Start [MHz] | Stop [MHz]	5610.000 | 5770.000
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	---	---	7.91	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.91	dBm	PASS
LIMIT: 11 dBm + 10 log 82.56					
Max output power DC corrected cond	---	30.17	7.91	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.91	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	---	---	-4.63	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.63	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE80 U-NII-3

References

TC start	22.01.2026 14:42:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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.

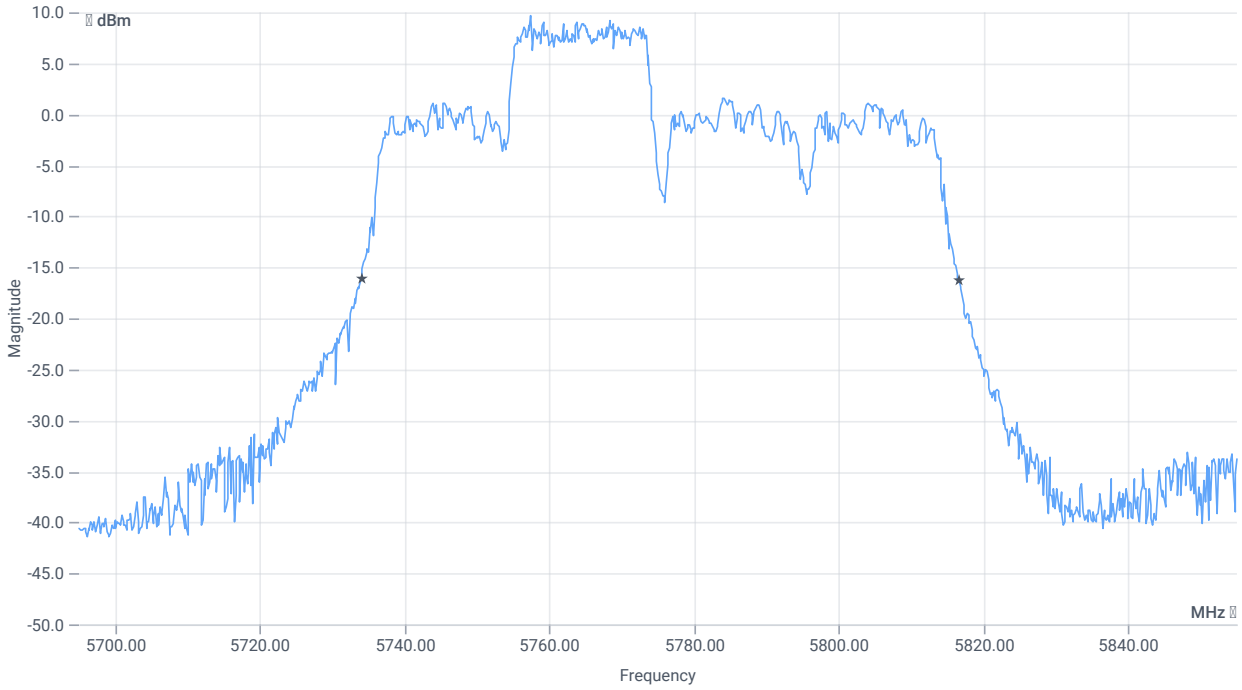
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.97	dBm	INFO
Ref. frequency	---	---	5761.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

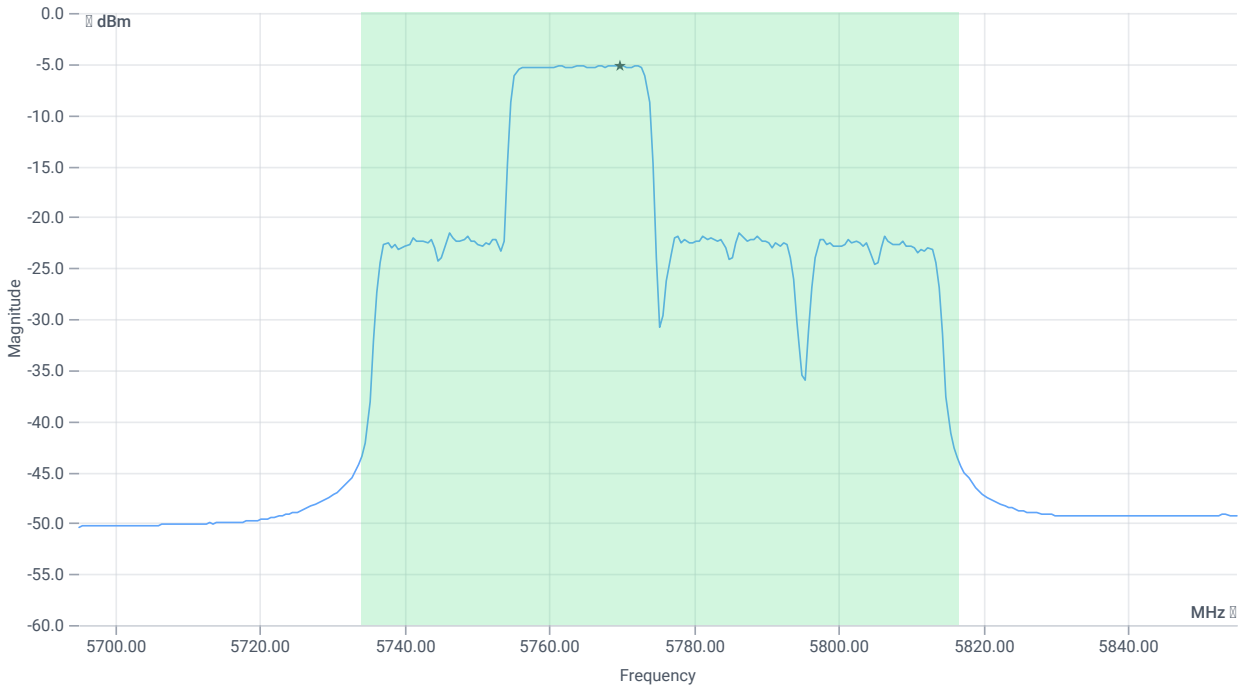
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	82.56	MHz	INFO
T1 26dB	---	---	5734.0400	MHz	INFO
T2 26dB	---	---	5816.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.97 | 11.26 | 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	---	---	7.41	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.41	dBm	PASS
LIMIT: 11 dBm + 10 log 82.56					
Max output power DC corrected cond	---	30.17	7.41	dBm	na

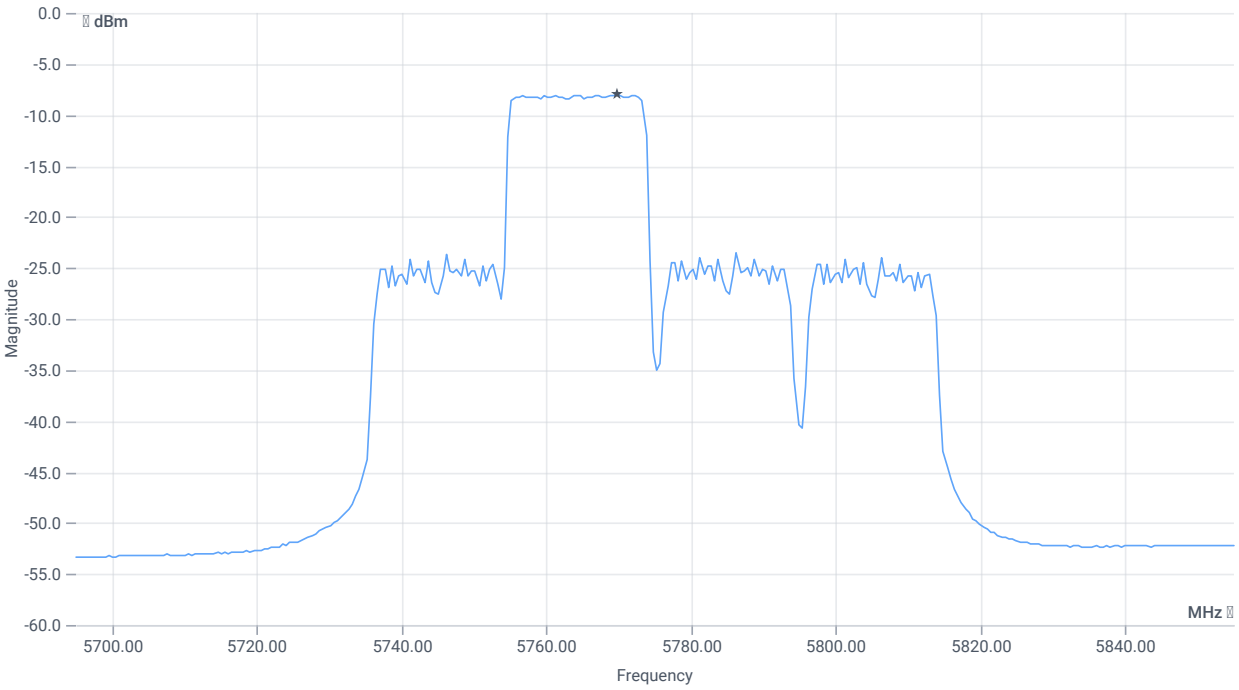
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.97 | 11.26 | 25

READ SA SETTINGS:

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	---	---	-8	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-8	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	21.01.2026 15:20:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

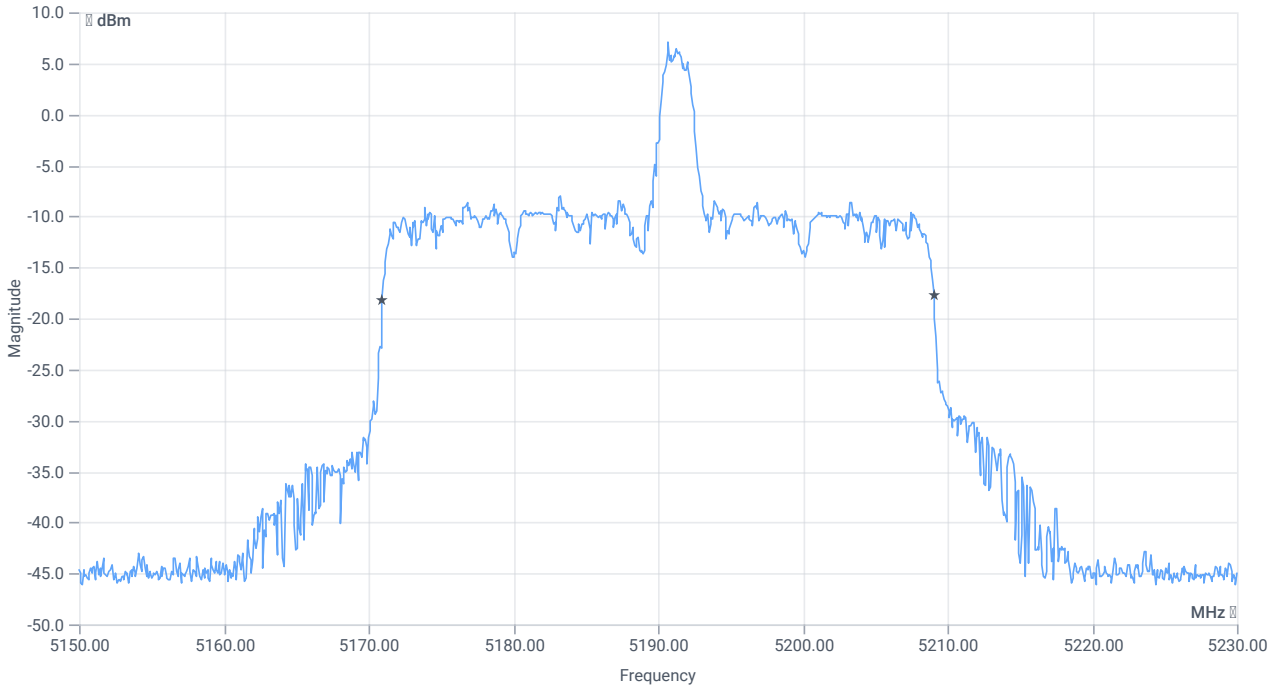
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.34	dBm	INFO
Ref. frequency	---	---	5191.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

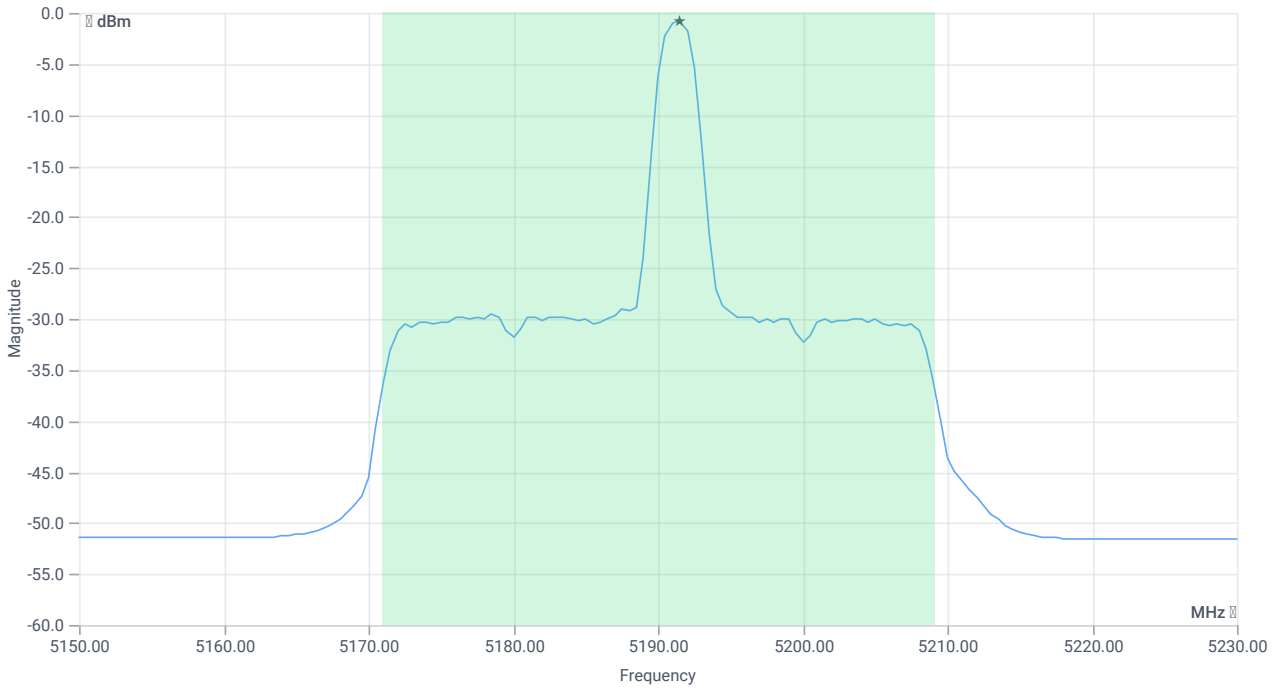
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5170.9600	MHz	INFO
T2 26dB	---	---	5209.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.34 | 10.87 | 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	---	---	2.27	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.27	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	2.27	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.83	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.83	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

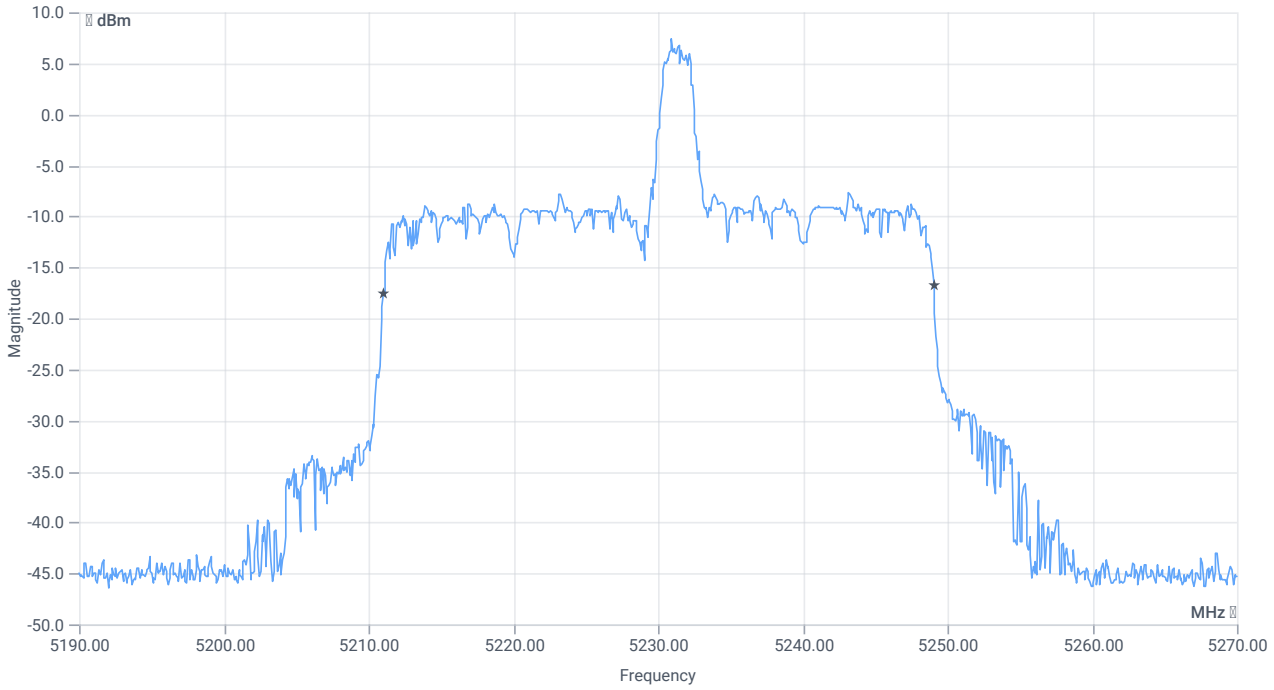
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.46	dBm	INFO
Ref. frequency	---	---	5231.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

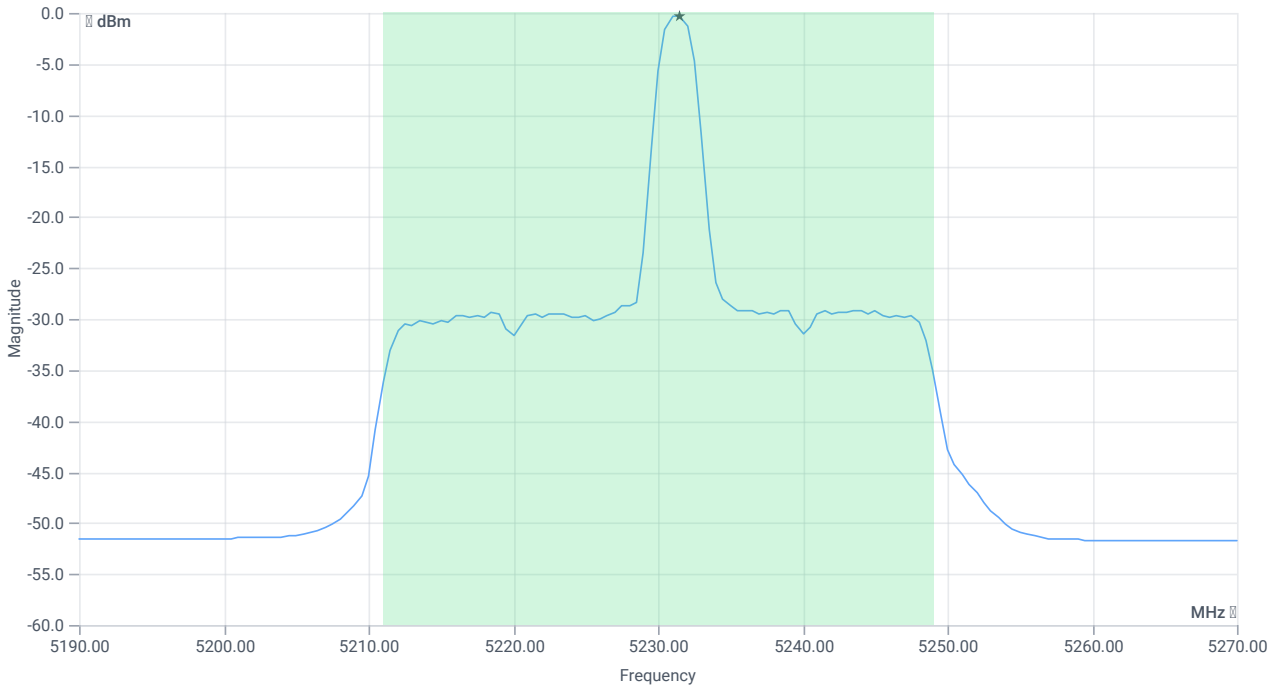
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38	MHz	INFO
T1 26dB	---	---	5211.0400	MHz	INFO
T2 26dB	---	---	5249.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.46 | 10.86 | 25
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	---	---	2.82	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.82	dBm	PASS
LIMIT: 11 dBm + 10 log 38					
Max output power DC corrected cond	---	26.8	2.82	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.26	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.26	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	21.01.2026 15:31:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

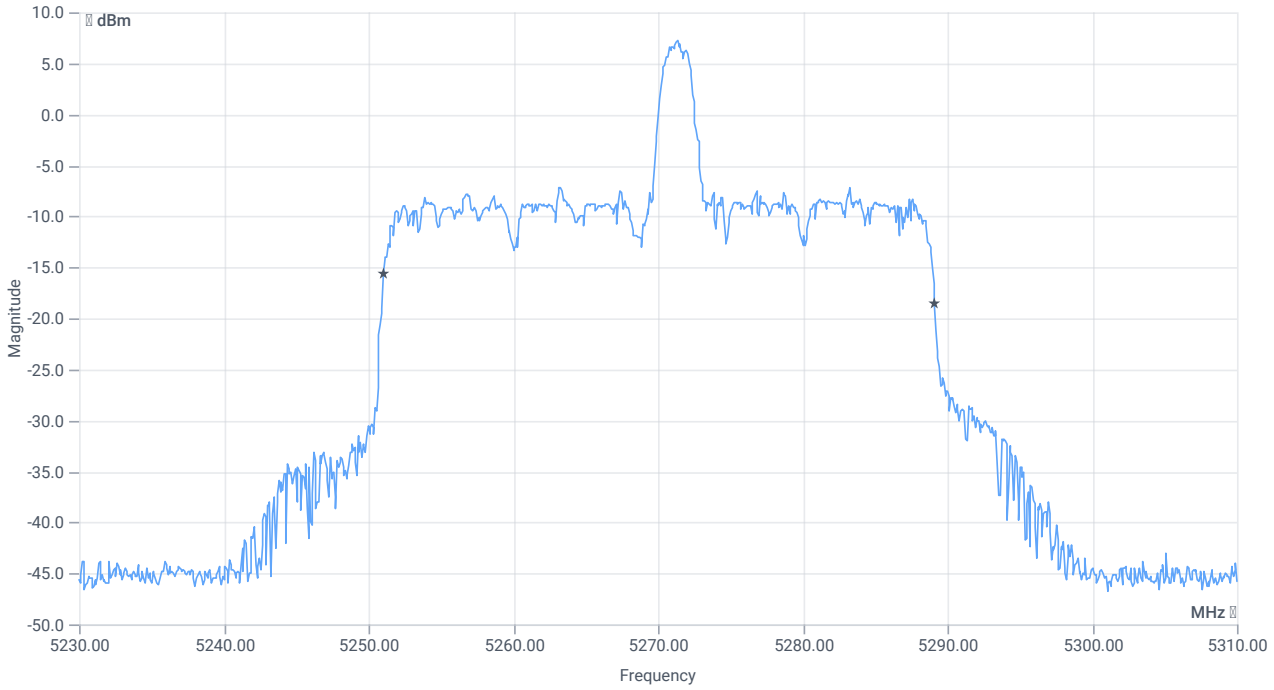
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.97	dBm	INFO
Ref. frequency	---	---	5271.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5251.0400	MHz	INFO
T2 26dB	---	---	5289.1200	MHz	INFO

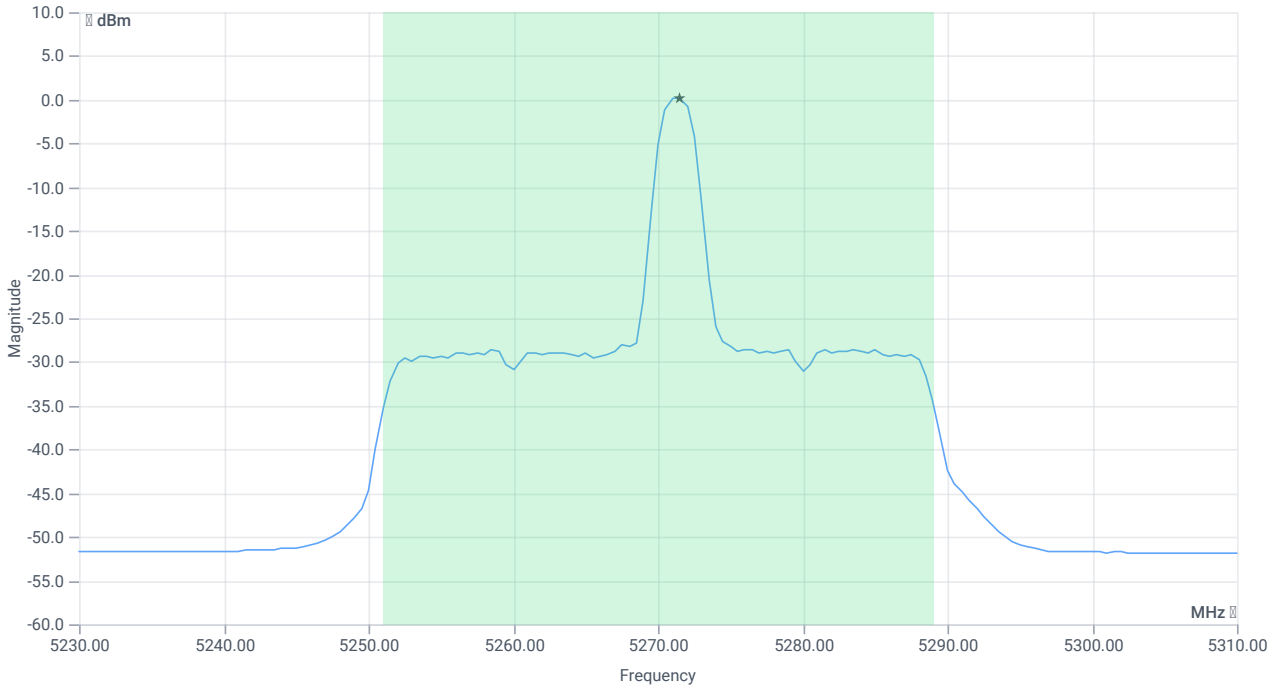
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.97 | 10.84 | 25
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	---	---	3.3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.3	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	3.3	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.3	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	---	---	0.22	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.22	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

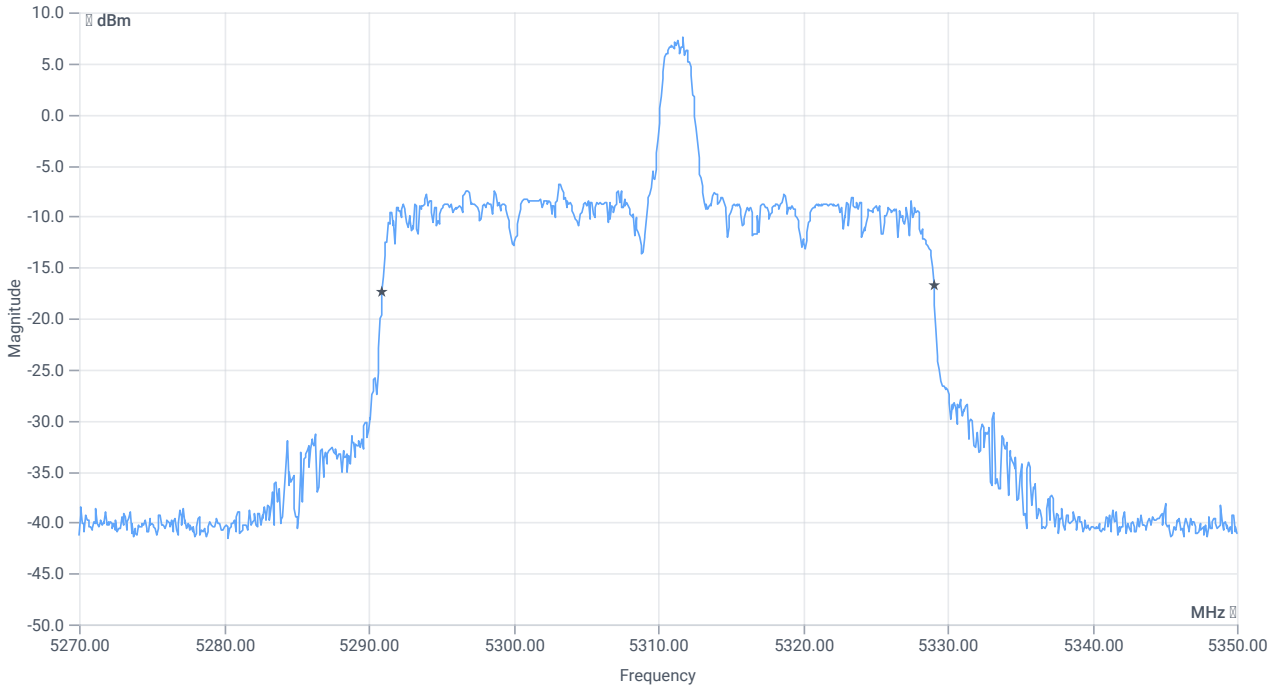
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.04	dBm	INFO
Ref. frequency	---	---	5311.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5290.9600	MHz	INFO
T2 26dB	---	---	5329.0400	MHz	INFO

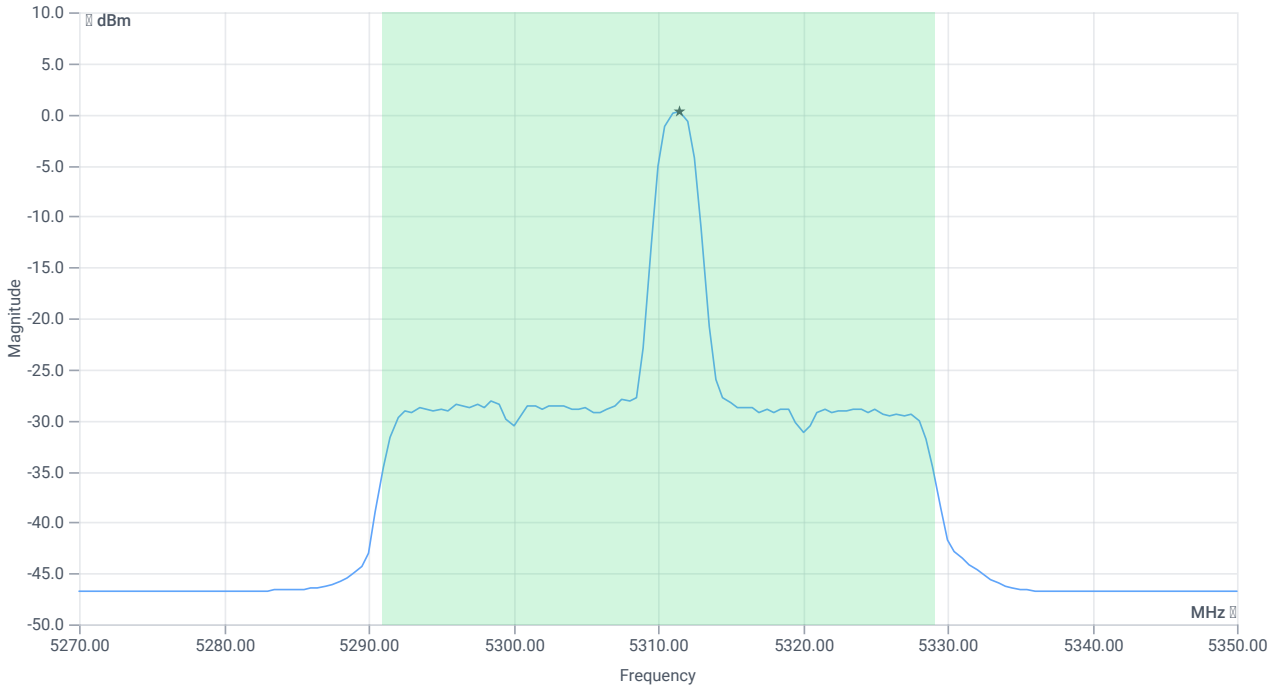
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.04 | 10.79 | 30
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	---	---	3.34	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.34	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	3.34	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.34	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	---	---	0.25	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.25	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	21.01.2026 15:37:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

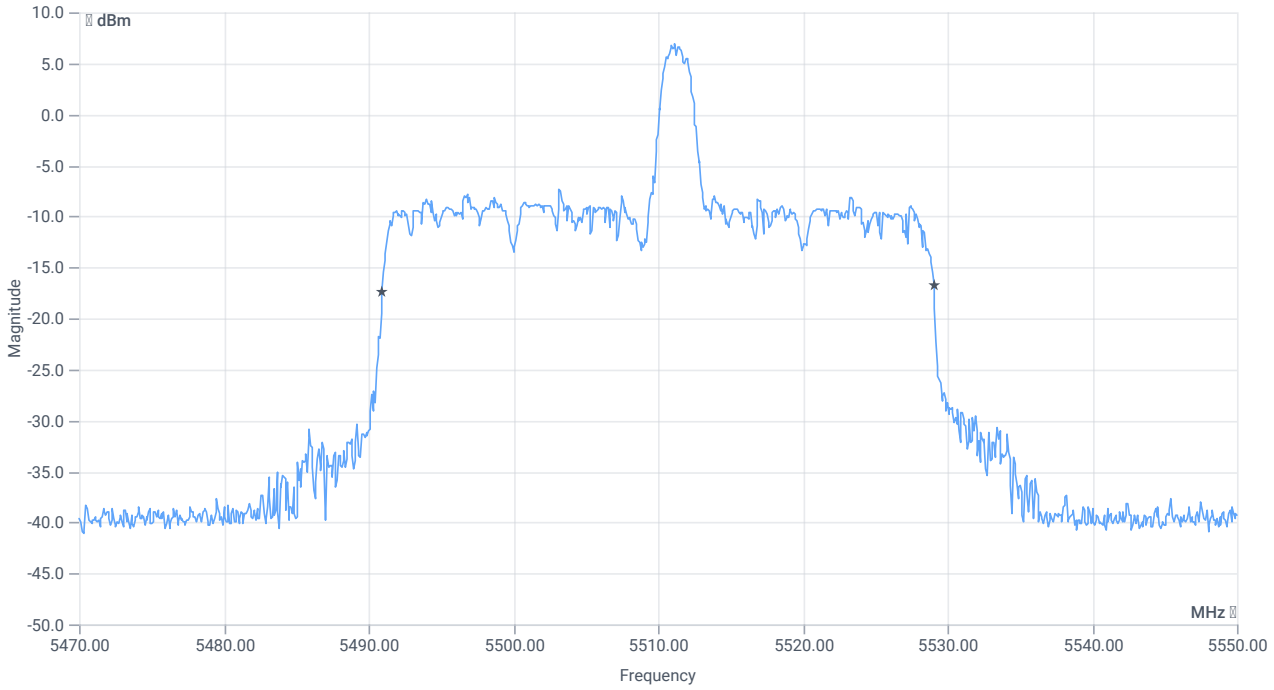
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.47	dBm	INFO
Ref. frequency	---	---	5511.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

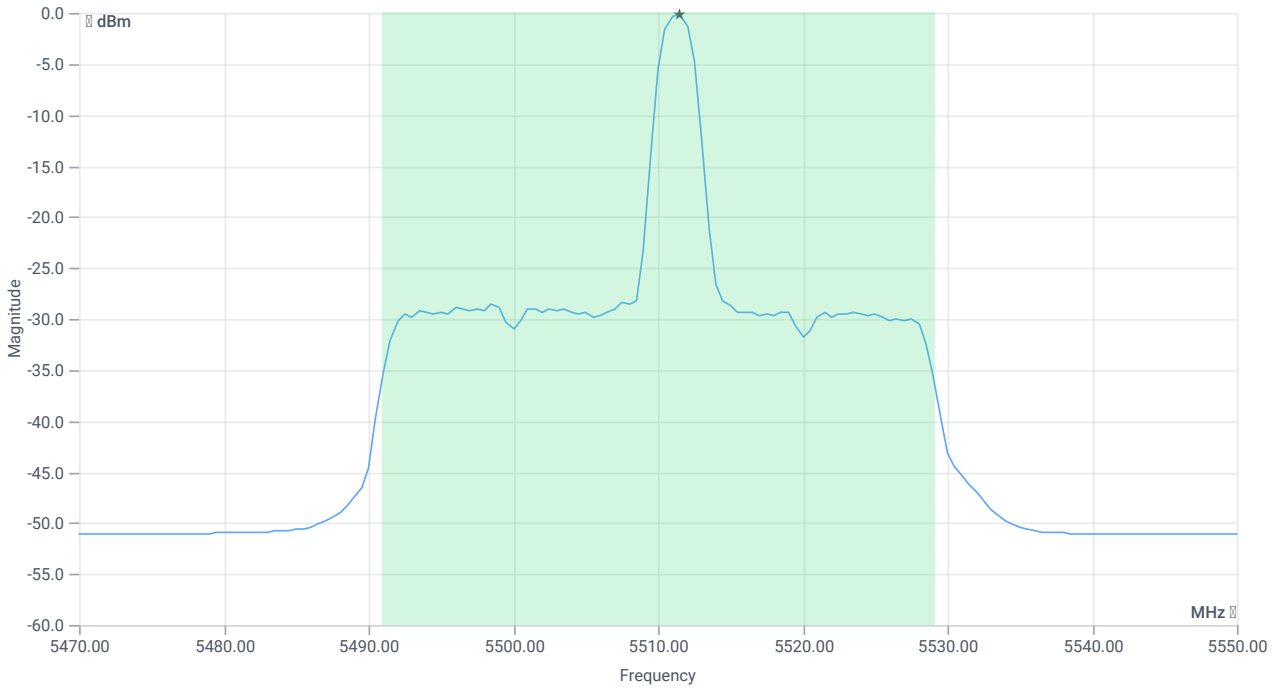
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5490.9600	MHz	INFO
T2 26dB	---	---	5529.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.47 | 10.94 | 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	---	---	2.86	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.86	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	2.86	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.86	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	---	---	-0.23	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.23	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

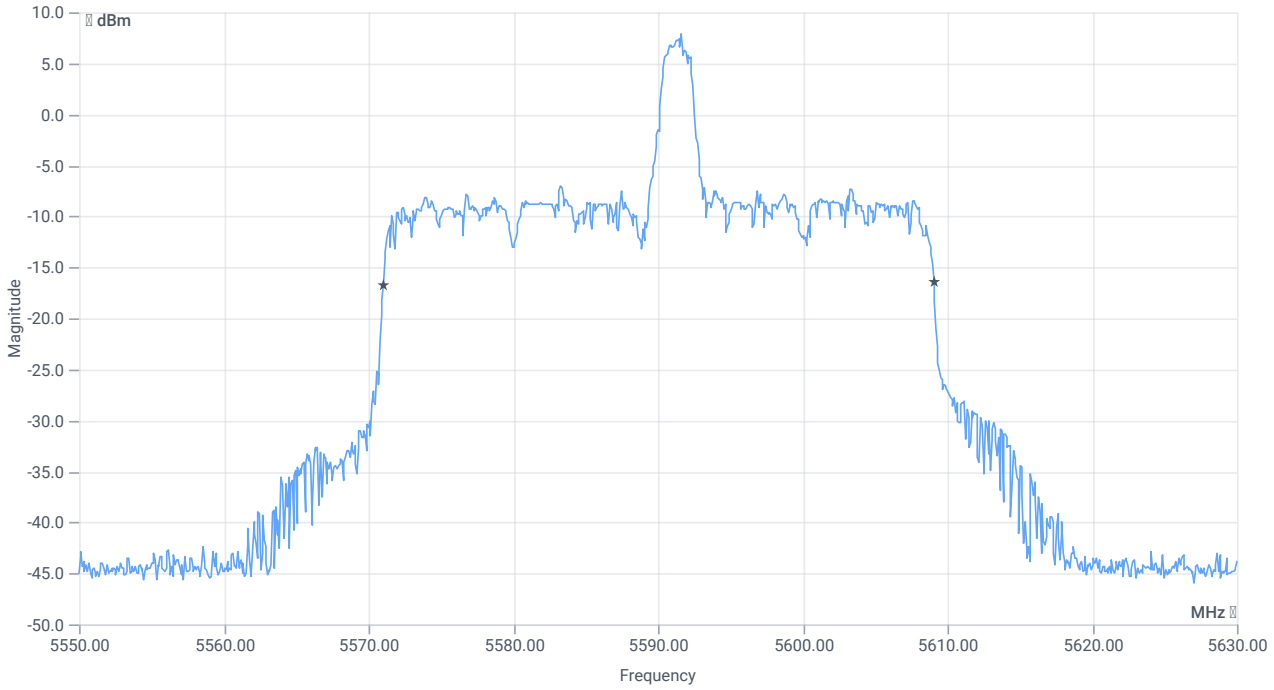
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.03	dBm	INFO
Ref. frequency	---	---	5591.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

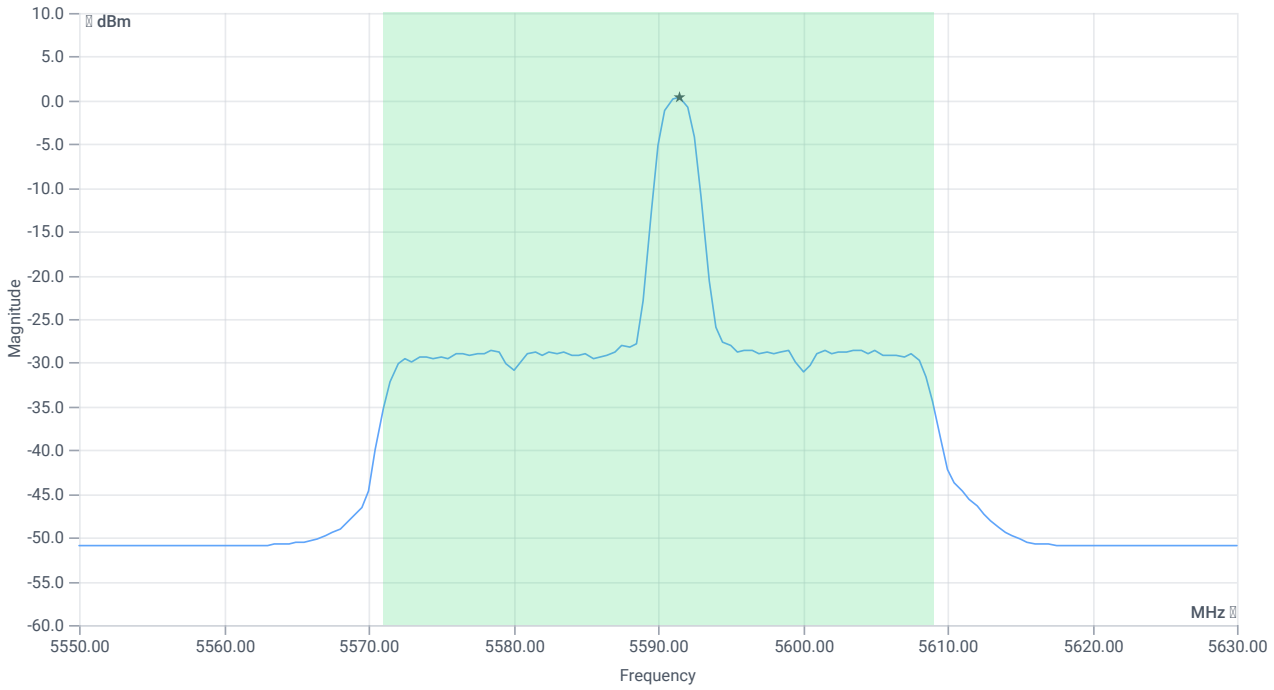
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38	MHz	INFO
T1 26dB	---	---	5571.0400	MHz	INFO
T2 26dB	---	---	5609.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.03 | 11.06 | 25
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	---	---	3.36	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.36	dBm	PASS
LIMIT: 11 dBm + 10 log 38					
Max output power DC corrected cond	---	26.8	3.36	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.36	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	---	---	0.27	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.27	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

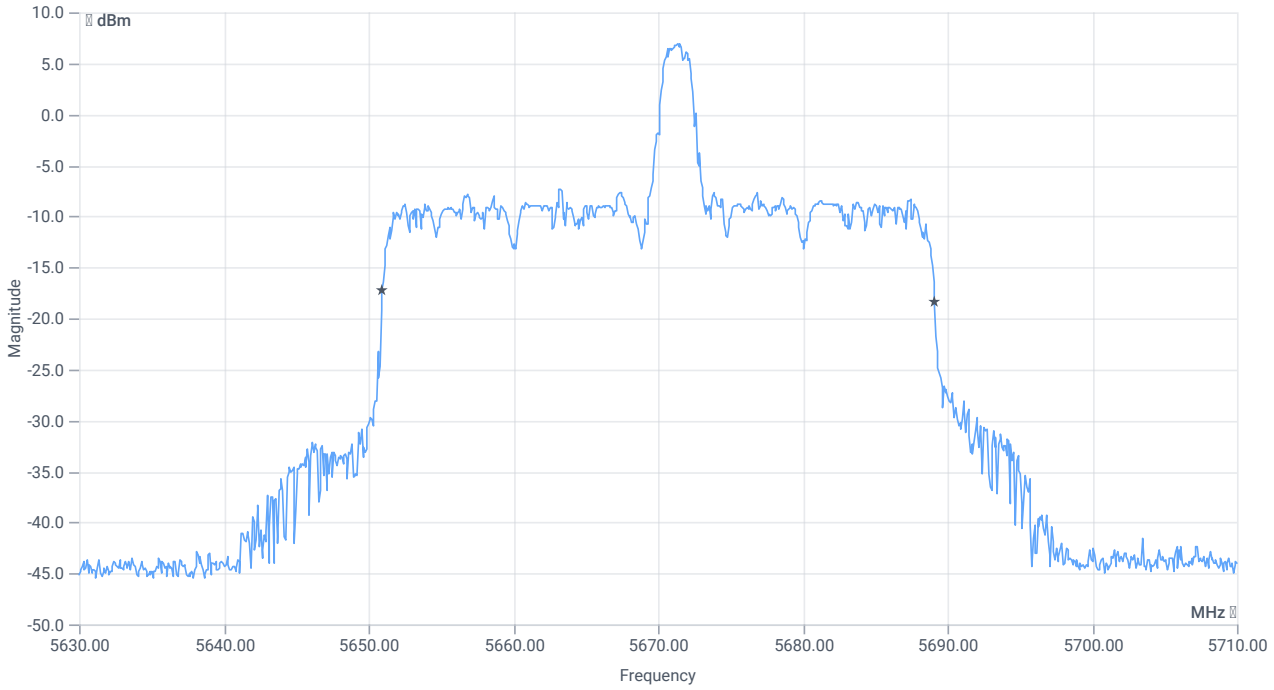
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.07	dBm	INFO
Ref. frequency	---	---	5670.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

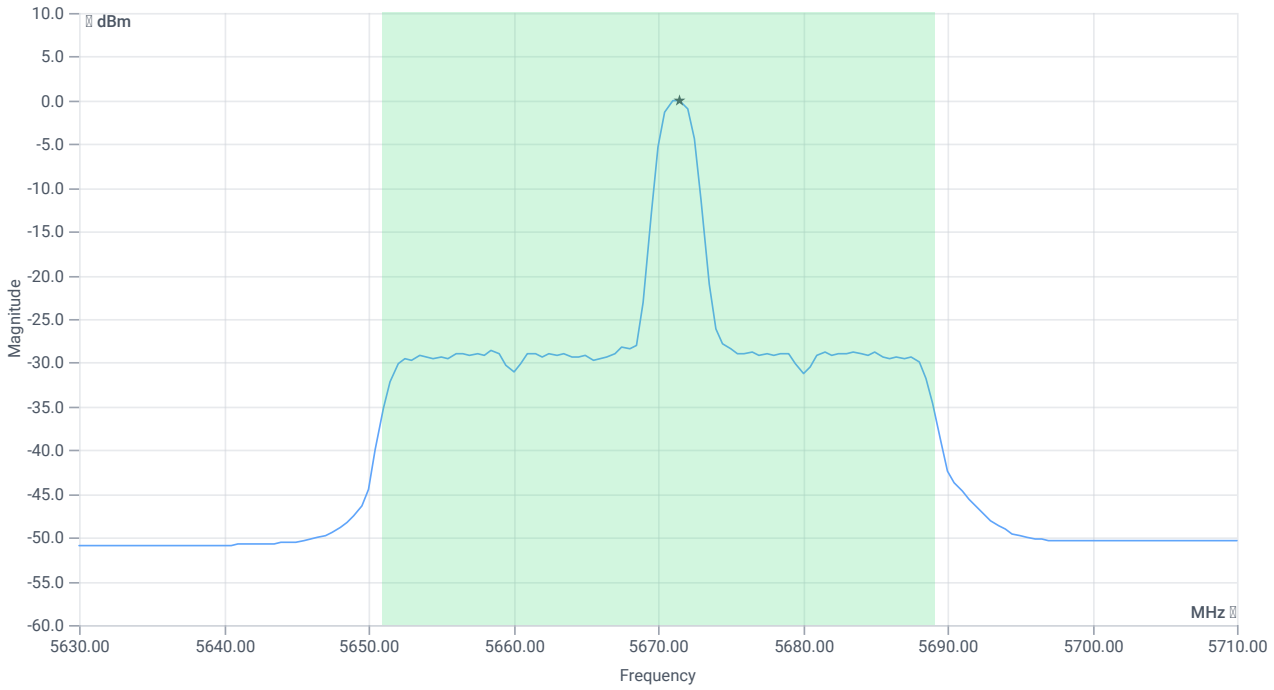
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.16	MHz	INFO
T1 26dB	---	---	5650.9600	MHz	INFO
T2 26dB	---	---	5689.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.07 | 11.09 | 25
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	---	---	3.13	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.13	dBm	PASS
LIMIT: 11 dBm + 10 log 38.16					
Max output power DC corrected cond	---	26.82	3.13	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.13	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	---	---	0.04	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.04	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	21.01.2026 15:47:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

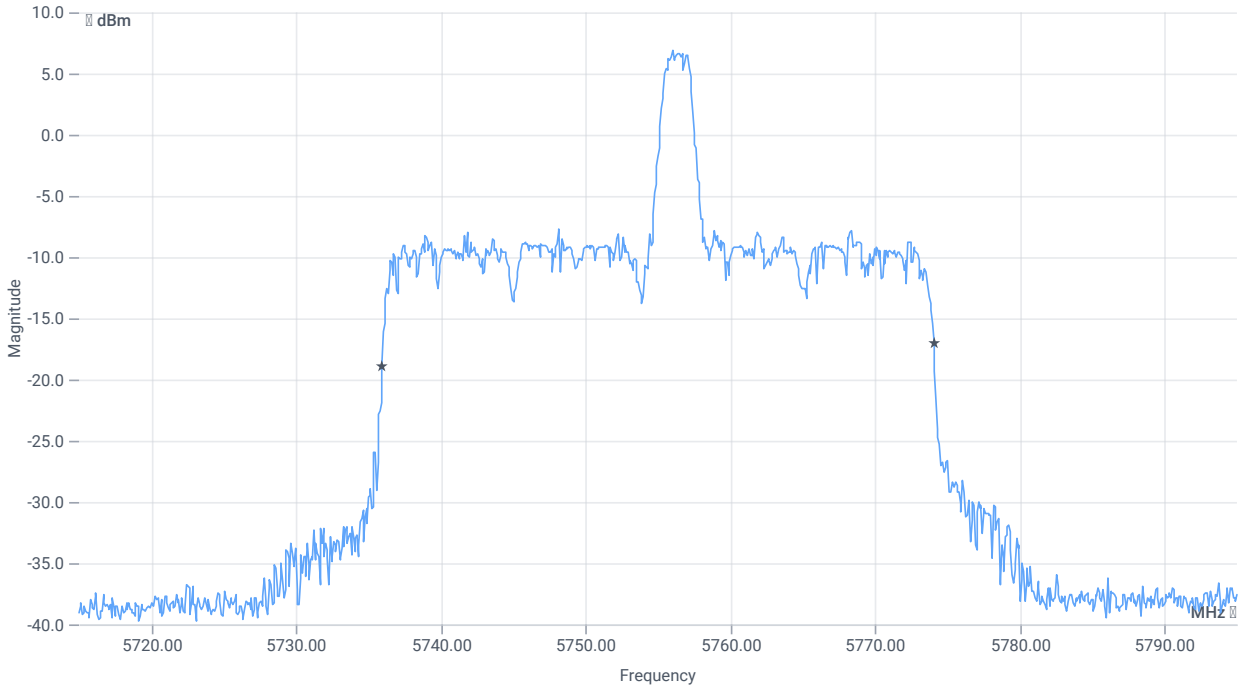
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.25	dBm	INFO
Ref. frequency	---	---	5756.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

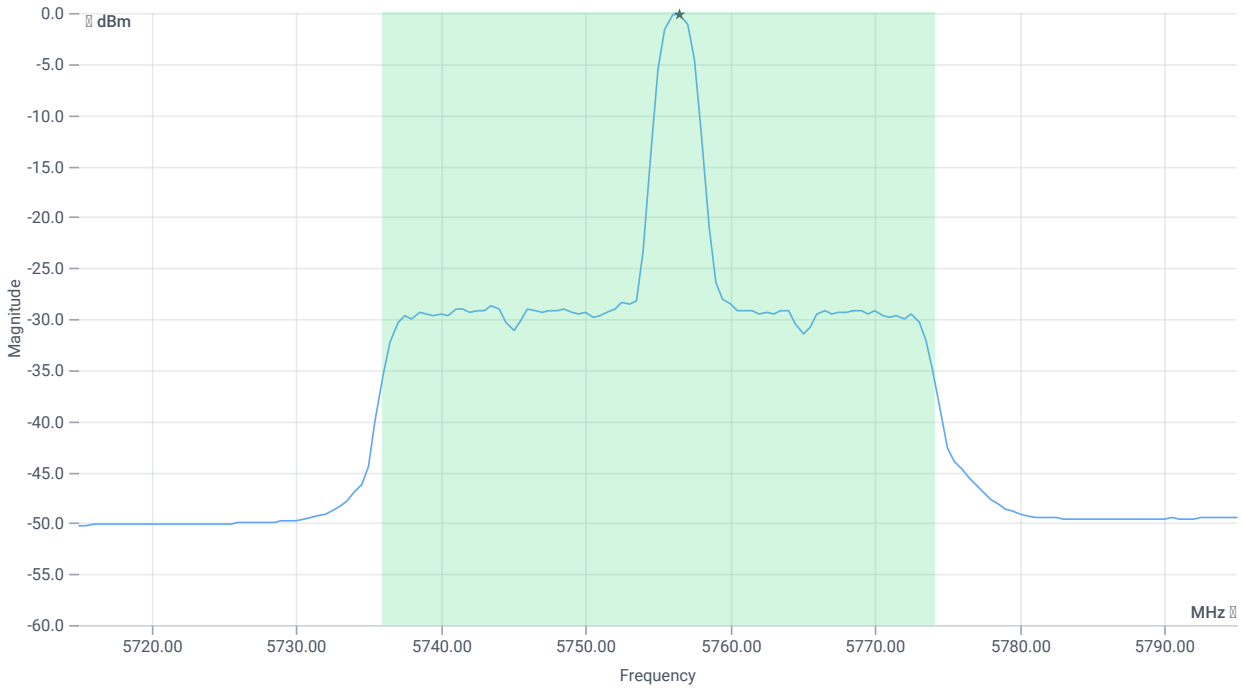
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5735.9600	MHz	INFO
T2 26dB	---	---	5774.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.25 | 11.16 | 25
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	---	---	2.93	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.93	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	2.93	dBm	na

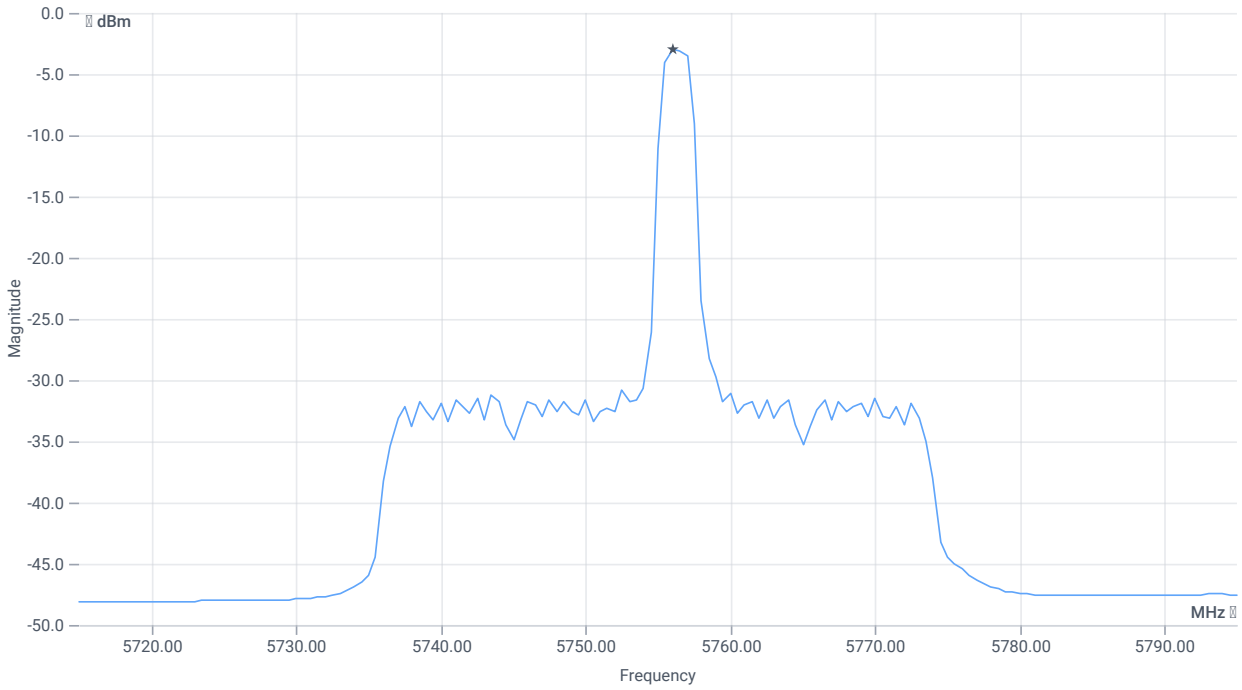
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.25 | 11.16 | 30

READ SA SETTINGS:

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	---	---	-3.03	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.03	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

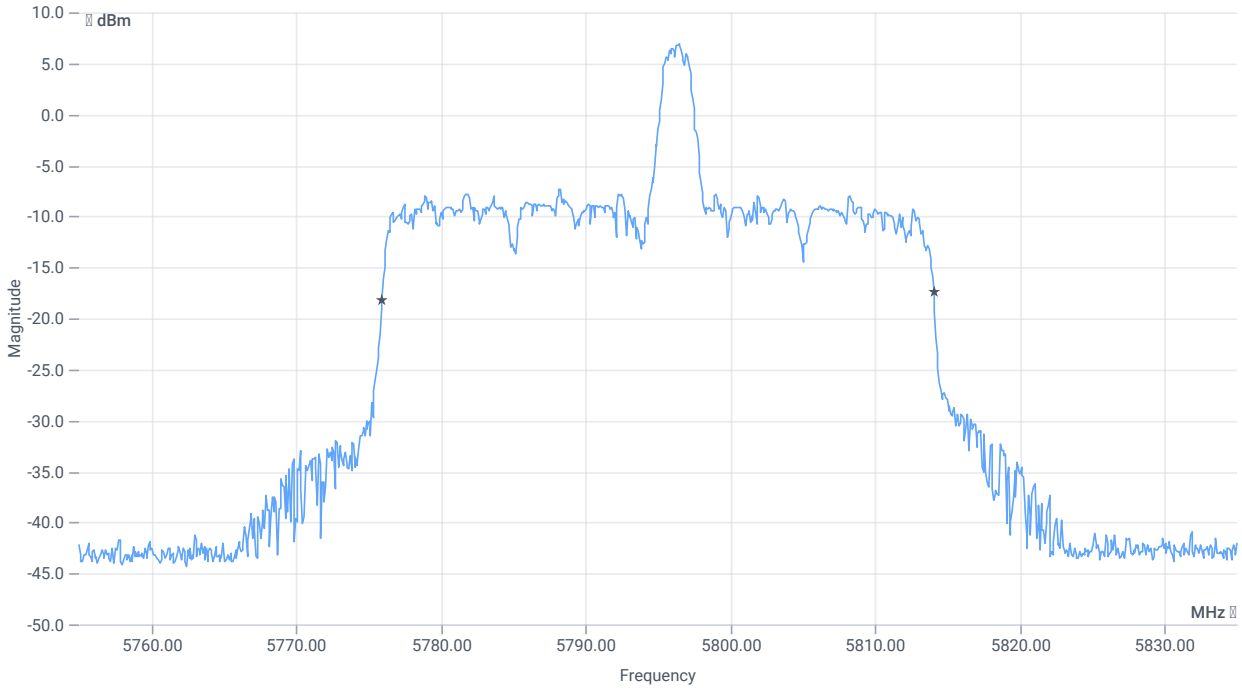
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.17	dBm	INFO
Ref. frequency	---	---	5796.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

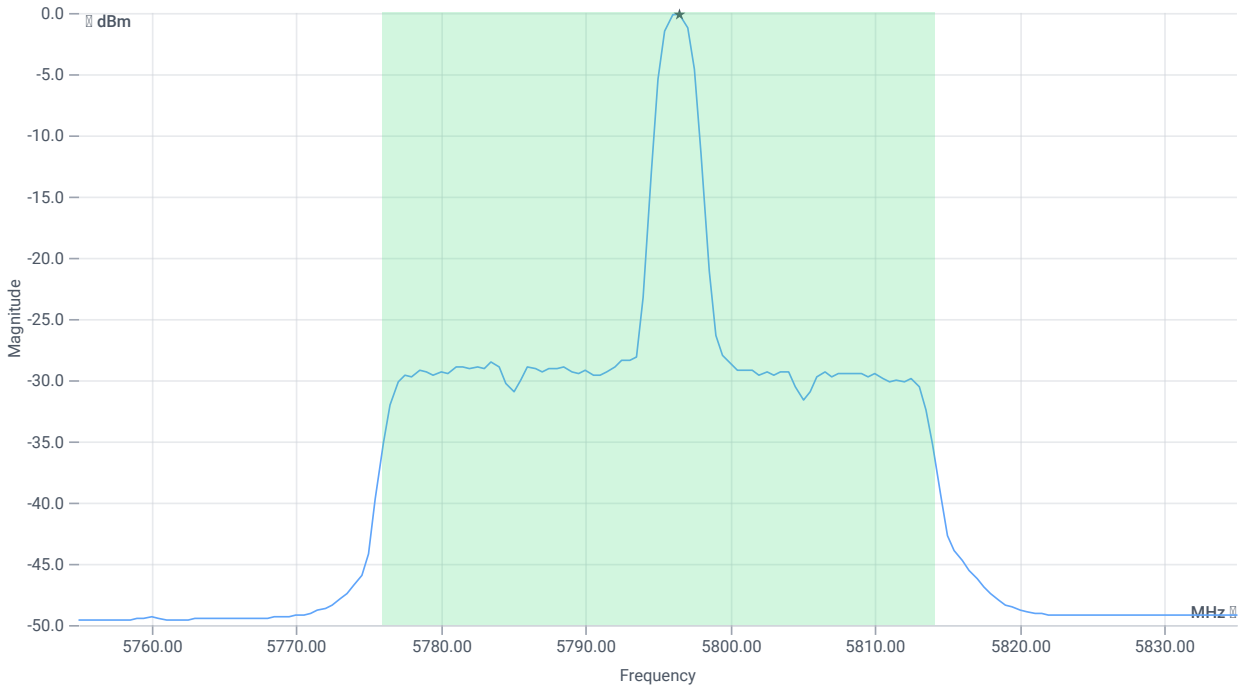
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5775.9600	MHz	INFO
T2 26dB	---	---	5814.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.17 | 11.36 | 25
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	---	---	3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	3	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	3	dBm	na

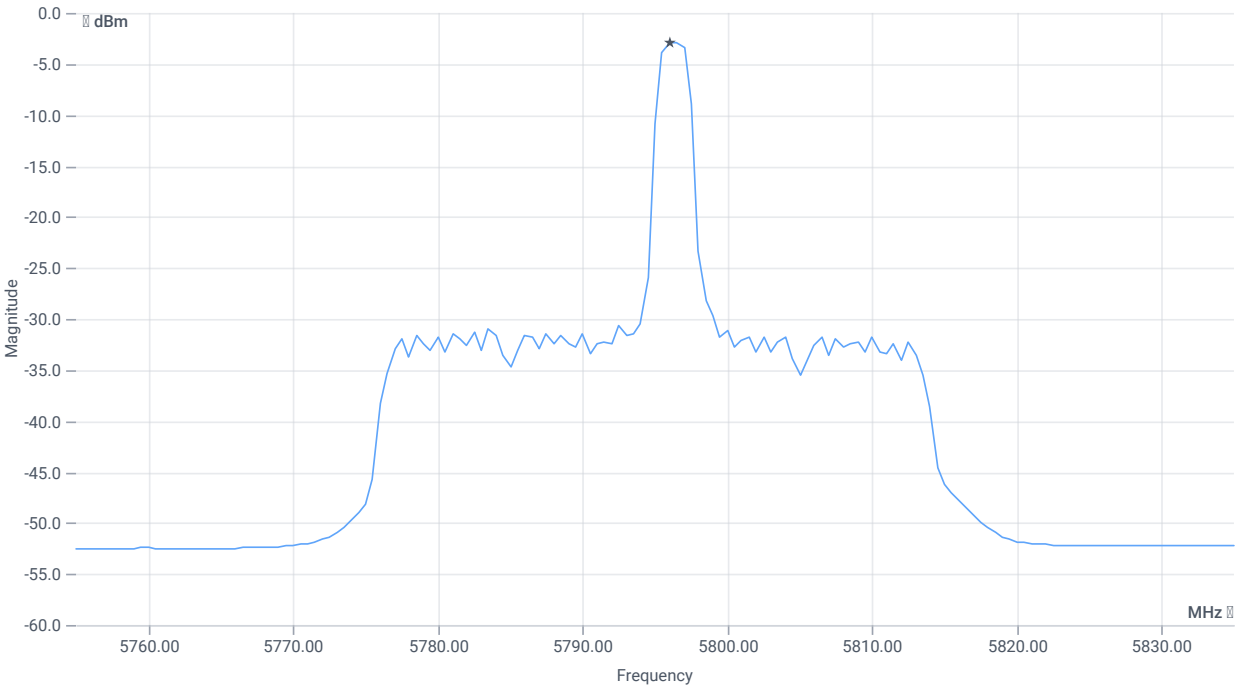
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.17 | 11.36 | 25

READ SA SETTINGS:

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	---	---	-2.91	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.91	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	21.01.2026 15:56:24
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

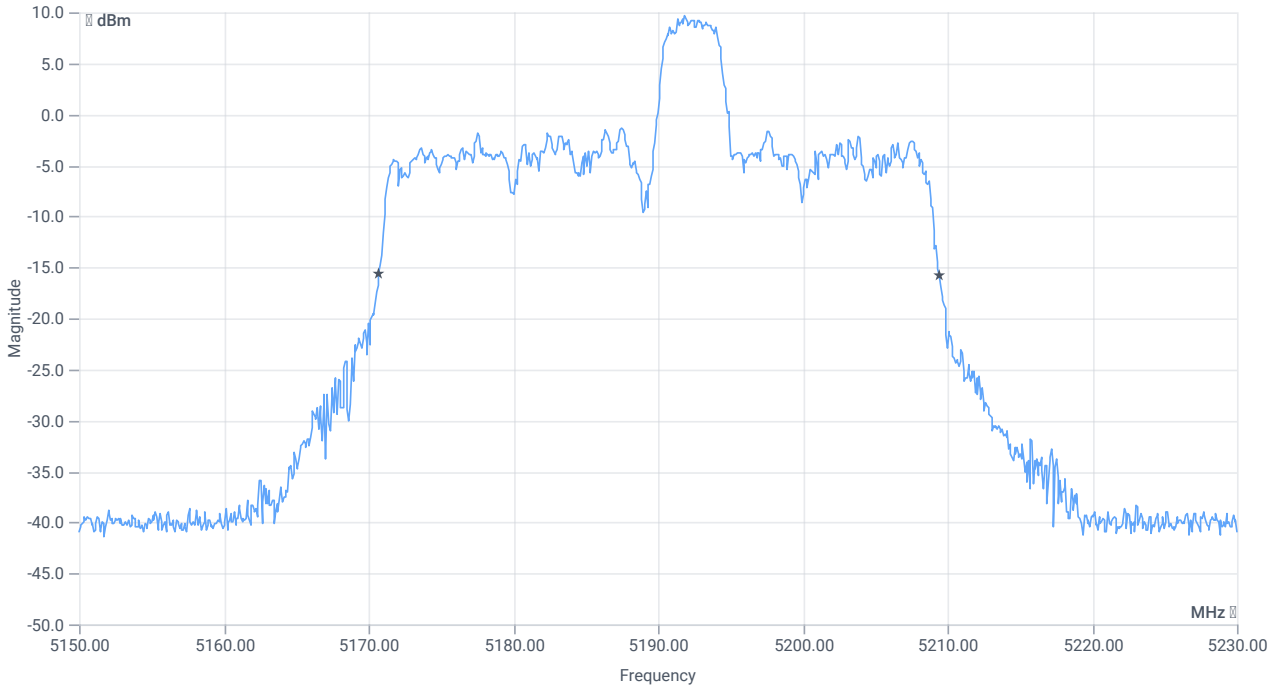
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.27	dBm	INFO
Ref. frequency	---	---	5191.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

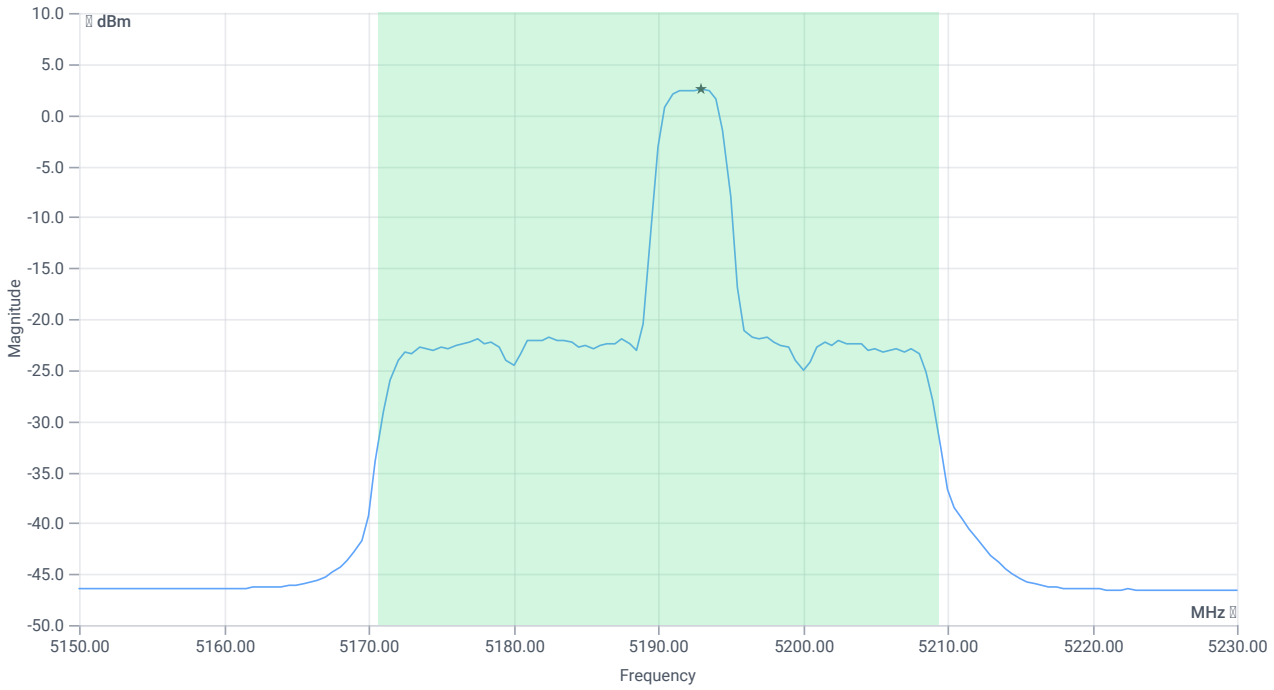
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5170.7200	MHz	INFO
T2 26dB	---	---	5209.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.27 | 10.87 | 30
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	---	---	8.37	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.37	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	8.37	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.52	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.52	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

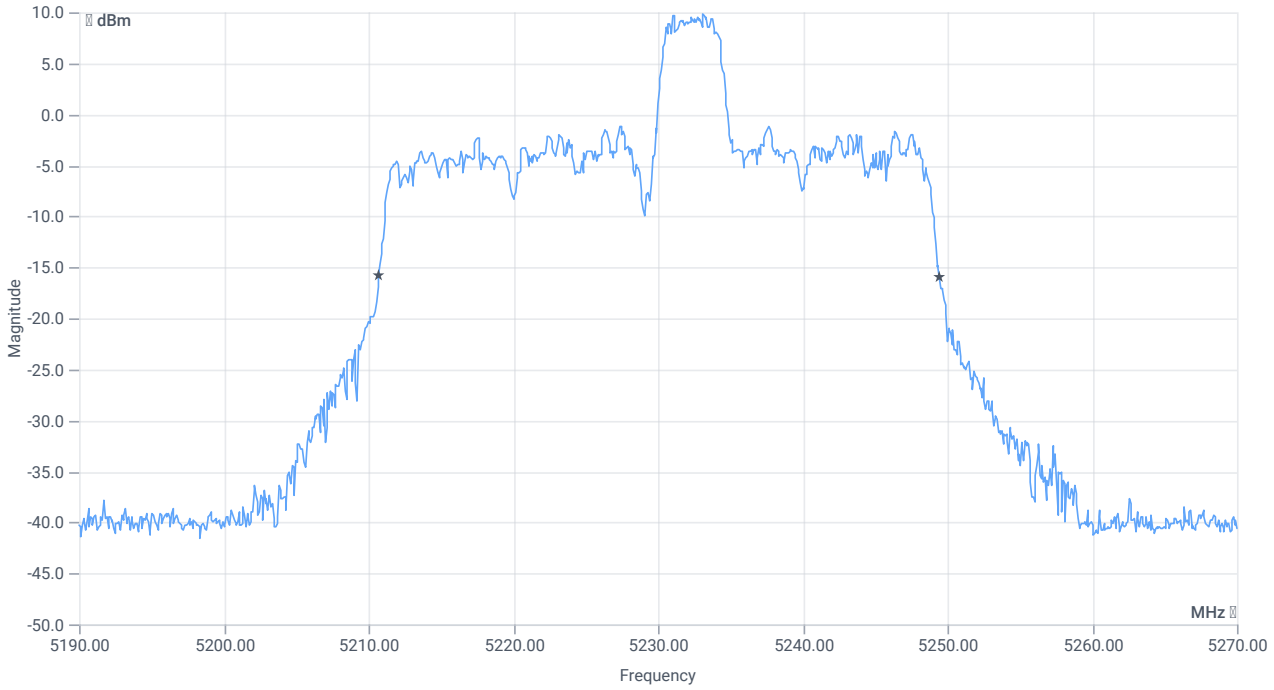
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.81	dBm	INFO
Ref. frequency	---	---	5232.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

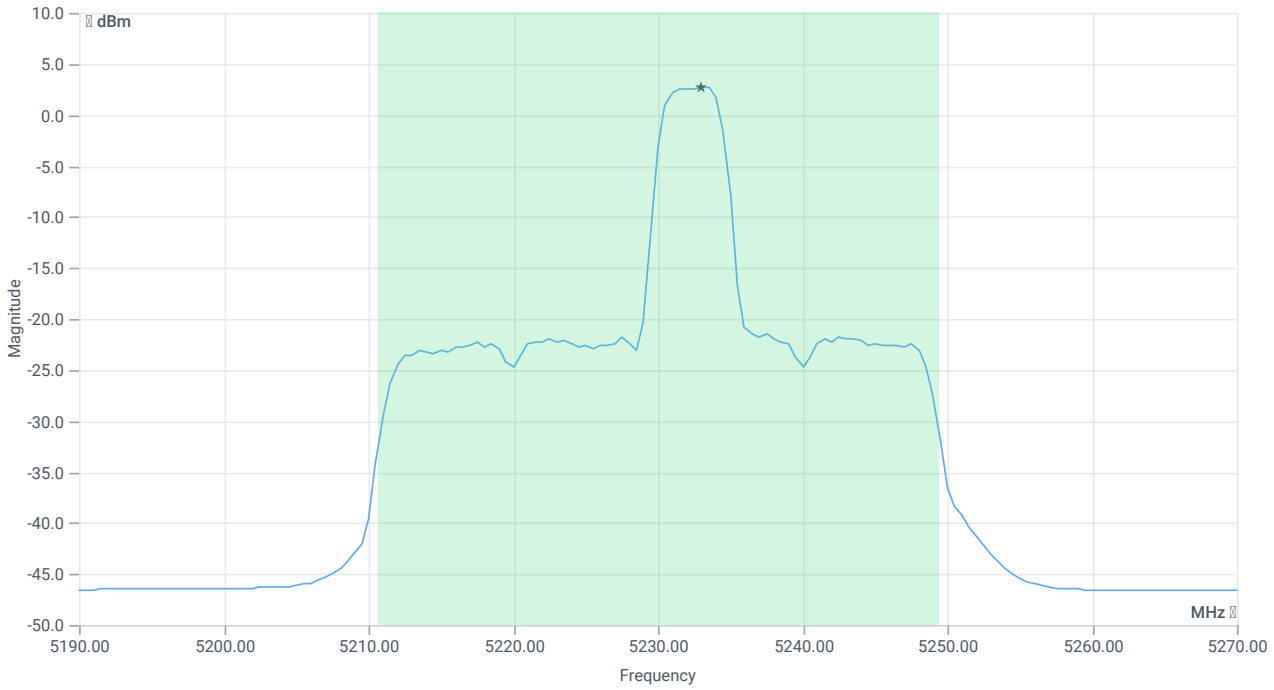
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5210.7200	MHz	INFO
T2 26dB	---	---	5249.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.81 | 10.86 | 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	---	---	8.53	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.53	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	8.53	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.7	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.7	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	21.01.2026 16:02:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

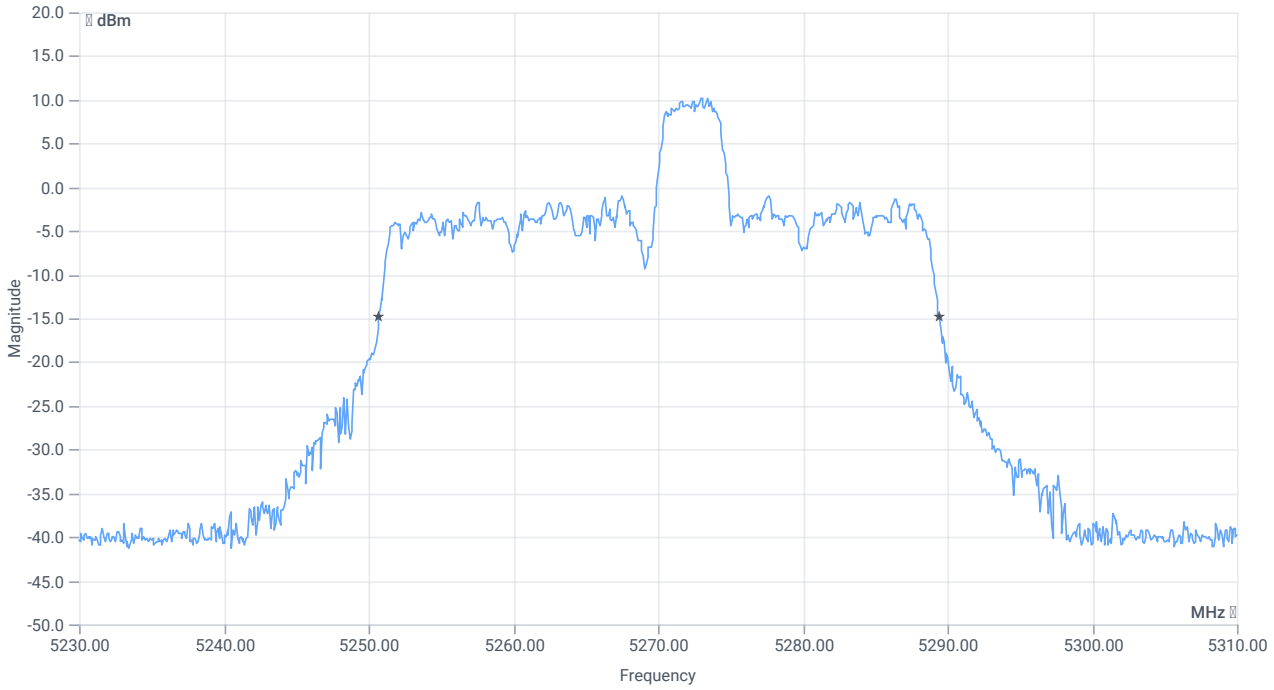
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.89	dBm	INFO
Ref. frequency	---	---	5272.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5250.7200	MHz	INFO
T2 26dB	---	---	5289.4400	MHz	INFO

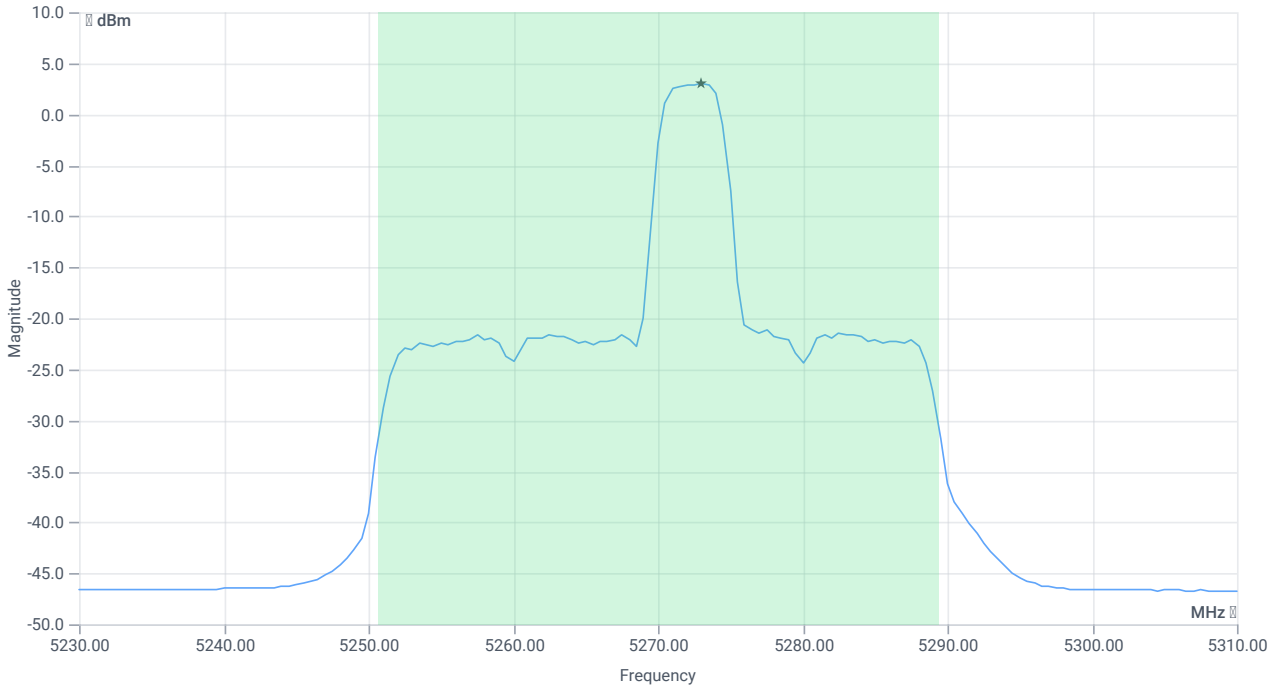
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.89 | 10.84 | 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	---	---	8.8	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.8	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	8.8	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.8	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	---	---	2.96	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.96	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

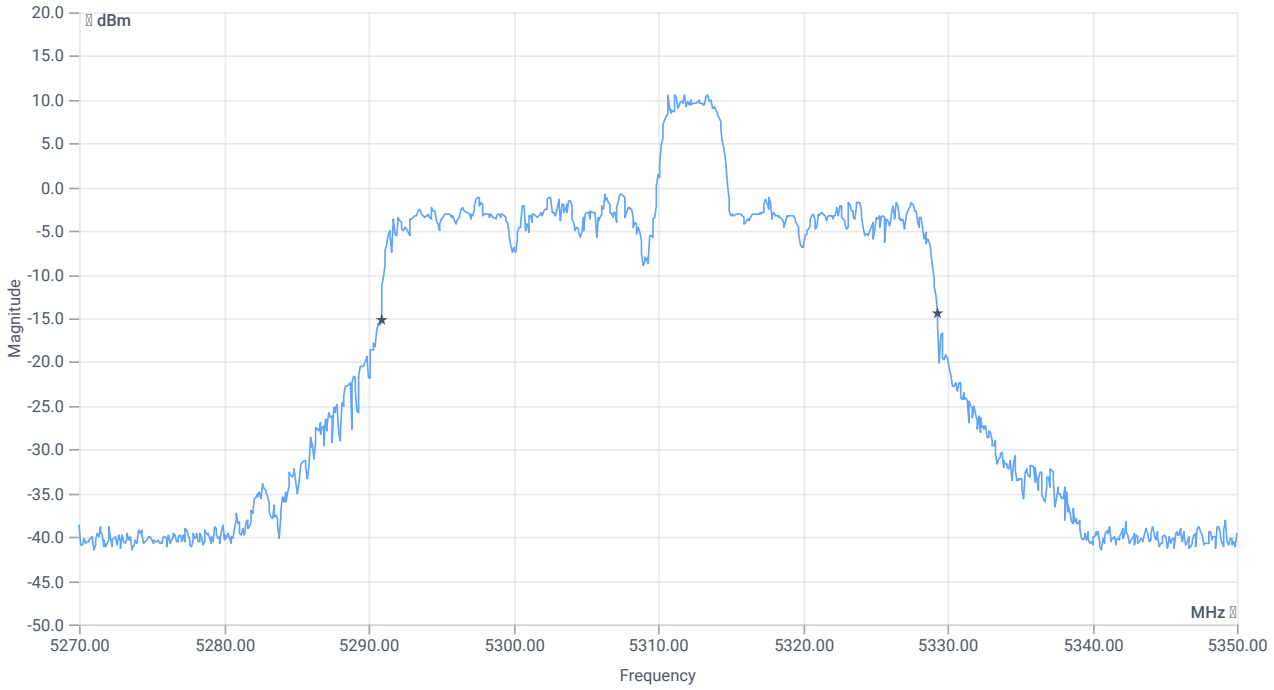
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.76	dBm	INFO
Ref. frequency	---	---	5312.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.4	MHz	INFO
T1 26dB	---	---	5290.8800	MHz	INFO
T2 26dB	---	---	5329.2800	MHz	INFO

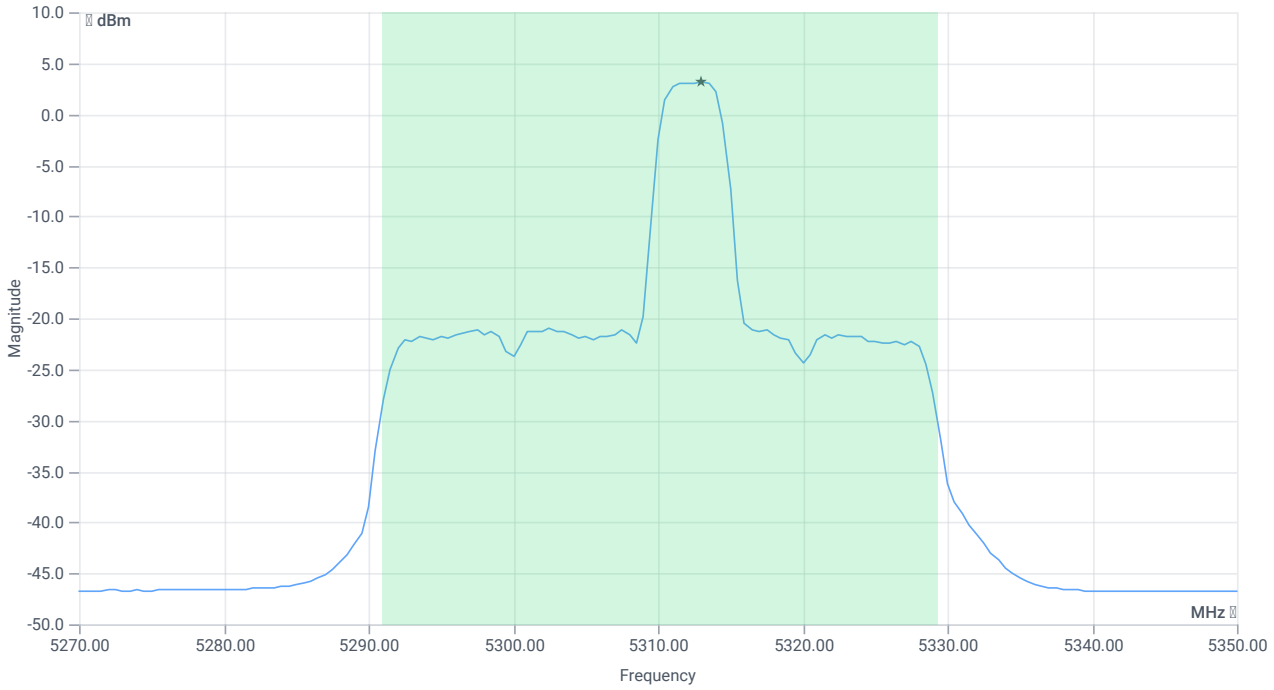
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.76 | 10.79 | 30
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	---	---	9.03	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.03	dBm	PASS
LIMIT: 11 dBm + 10 log 38.4					
Max output power DC corrected cond	---	26.84	9.03	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.03	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	---	---	3.19	dBm/1MHz	INFO
Duty cycle correction	---	---	0	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 ax-HE40 U-NII-2C

References

TC start	21.01.2026 16:06:26
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

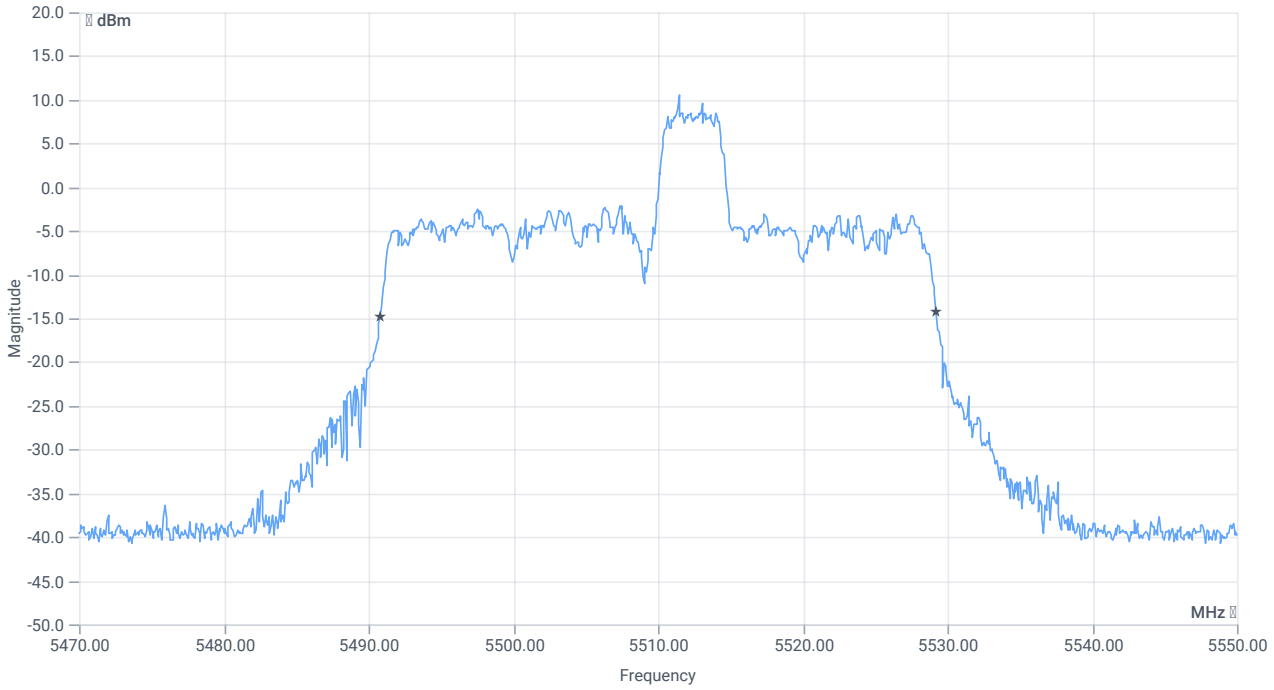
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.35	dBm	INFO
Ref. frequency	---	---	5512.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

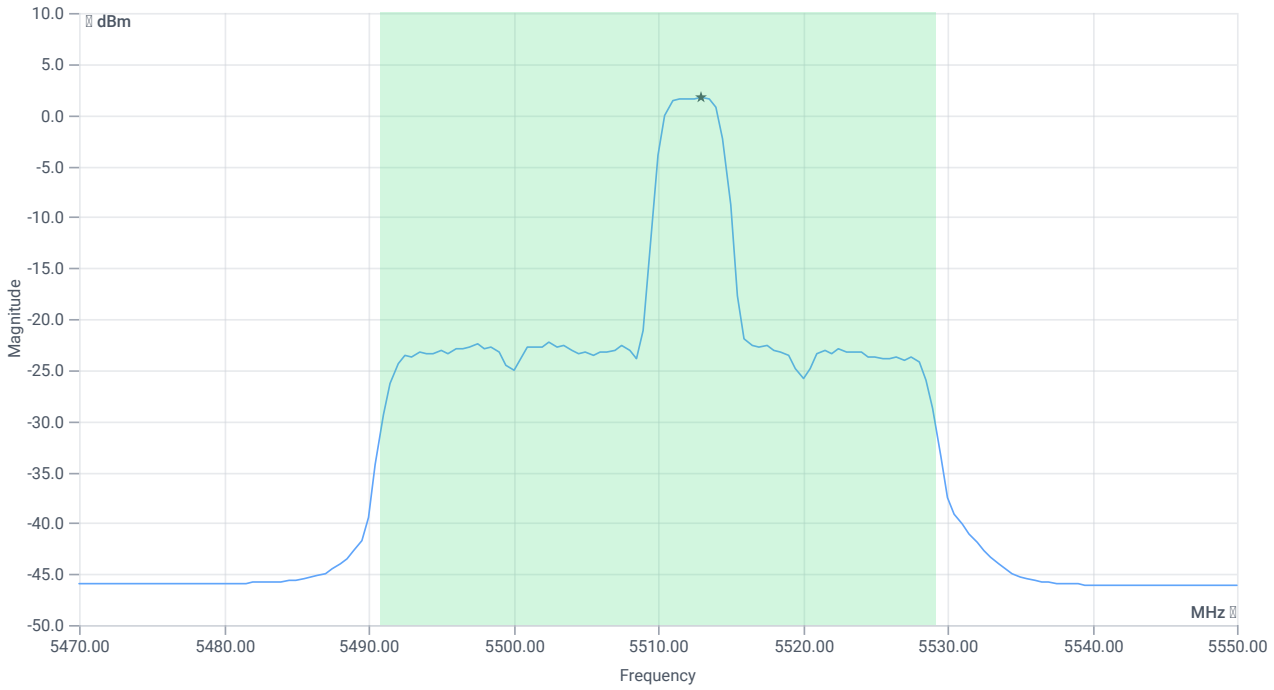
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.4	MHz	INFO
T1 26dB	---	---	5490.8000	MHz	INFO
T2 26dB	---	---	5529.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.35 | 10.94 | 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	---	---	7.58	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.58	dBm	PASS
LIMIT: 11 dBm + 10 log 38.4					
Max output power DC corrected cond	---	26.84	7.58	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.58	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	---	---	1.72	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.72	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

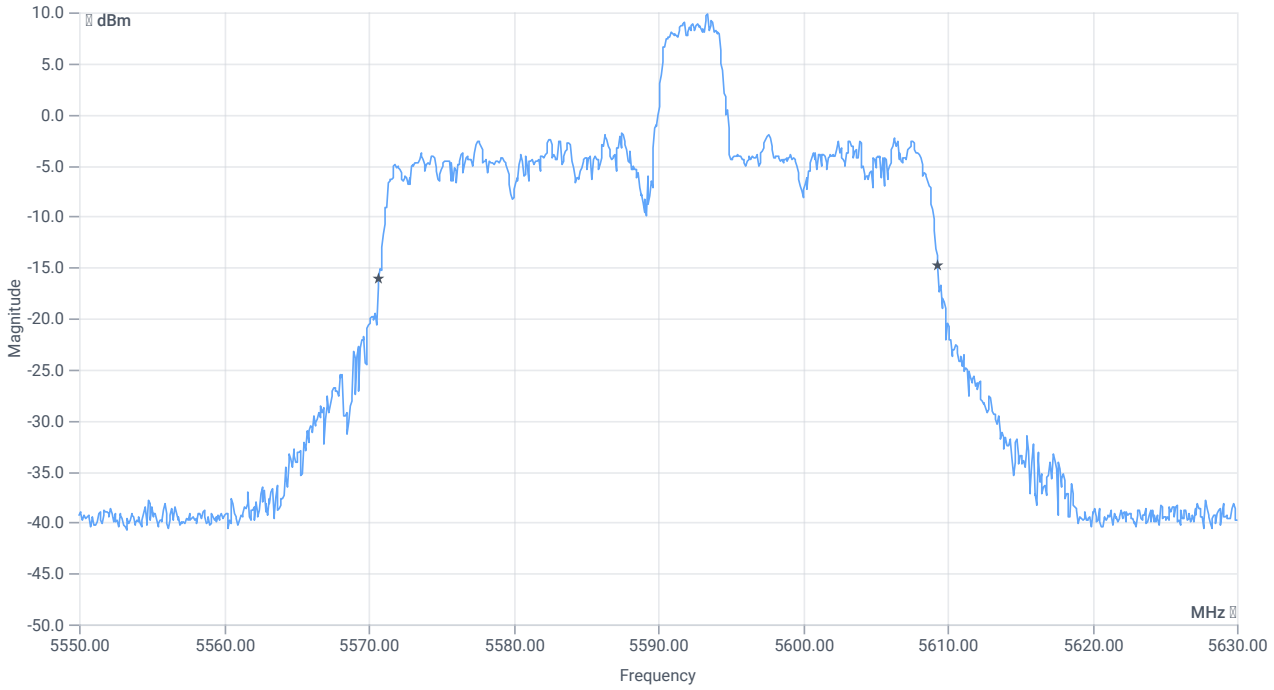
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.86	dBm	INFO
Ref. frequency	---	---	5593.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

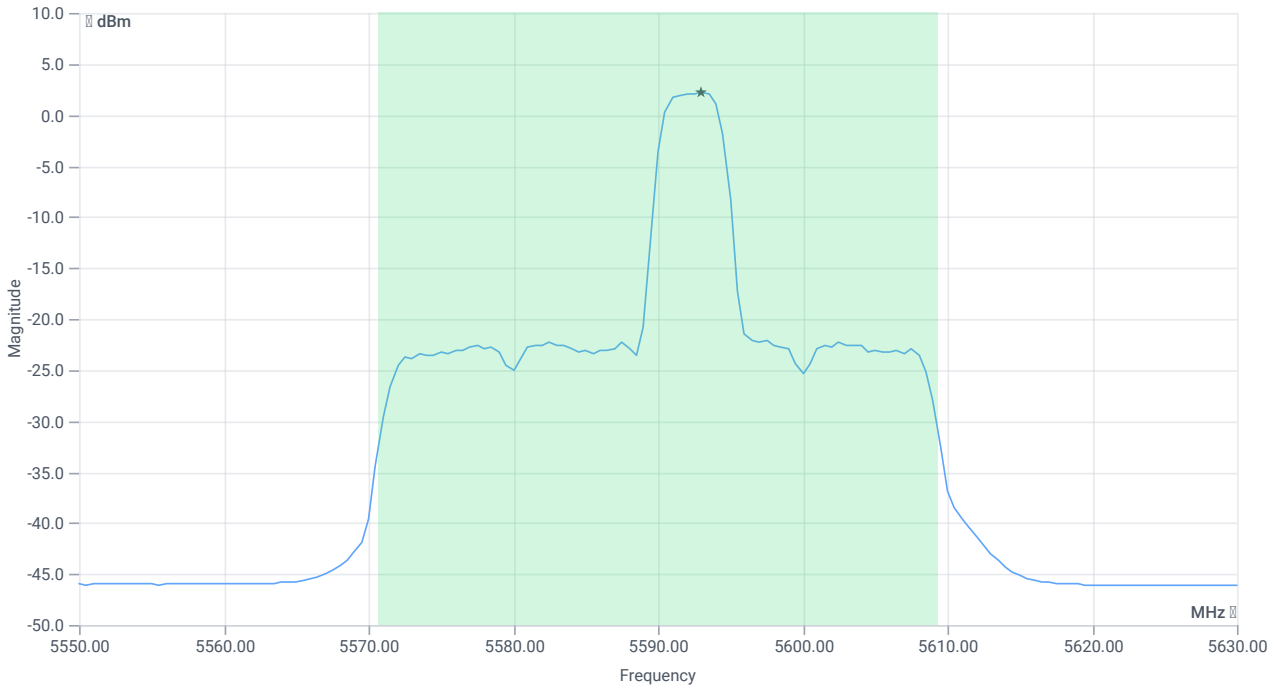
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.64	MHz	INFO
T1 26dB	---	---	5570.7200	MHz	INFO
T2 26dB	---	---	5609.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.86 | 11.06 | 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	---	---	7.97	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.97	dBm	PASS
LIMIT: 11 dBm + 10 log 38.64					
Max output power DC corrected cond	---	26.87	7.97	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.97	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	---	---	2.14	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.14	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

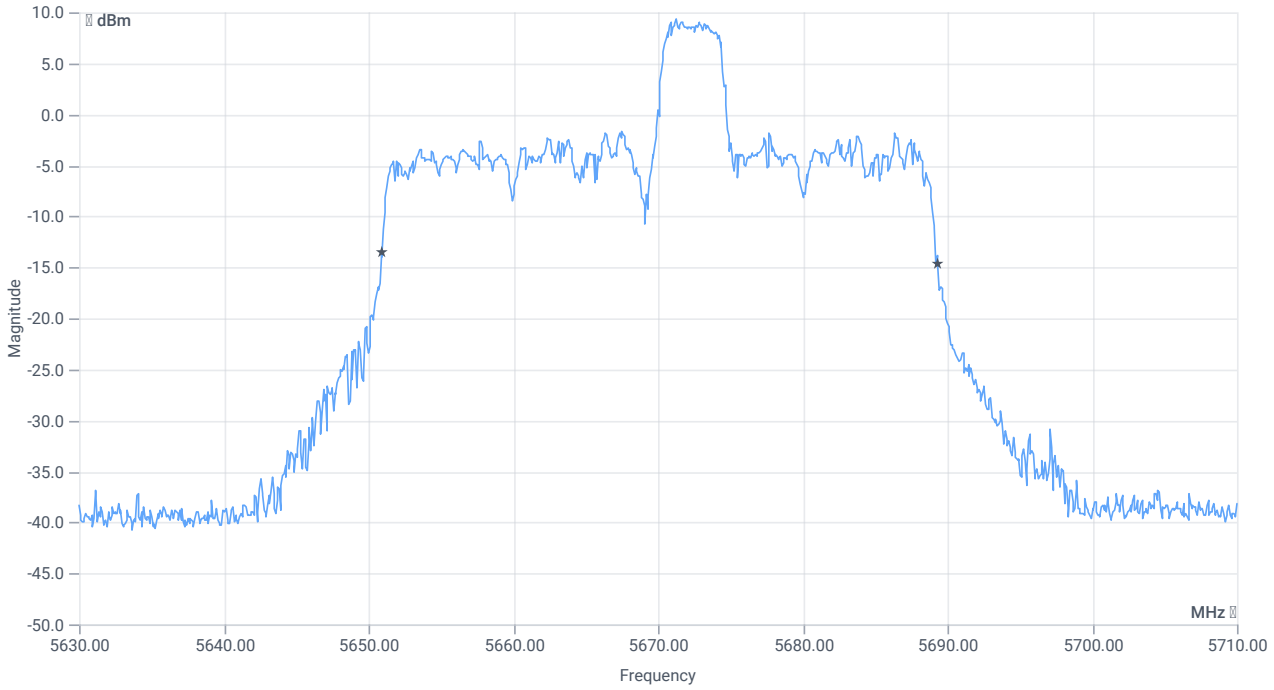
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.15	dBm	INFO
Ref. frequency	---	---	5673.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

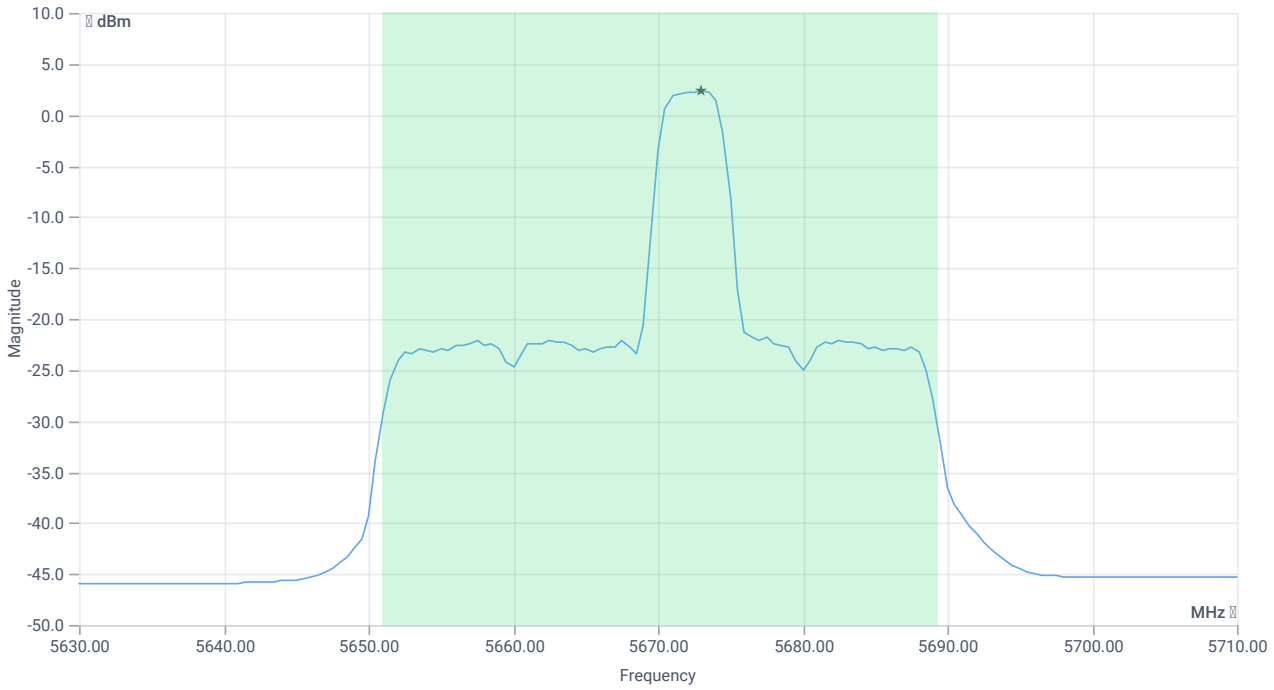
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.48	MHz	INFO
T1 26dB	---	---	5650.8800	MHz	INFO
T2 26dB	---	---	5689.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.15 | 11.09 | 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	---	---	8.19	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.19	dBm	PASS
LIMIT: 11 dBm + 10 log 38.48					
Max output power DC corrected cond	---	26.85	8.19	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.19	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	---	---	2.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.34	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	21.01.2026 16:14:22
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

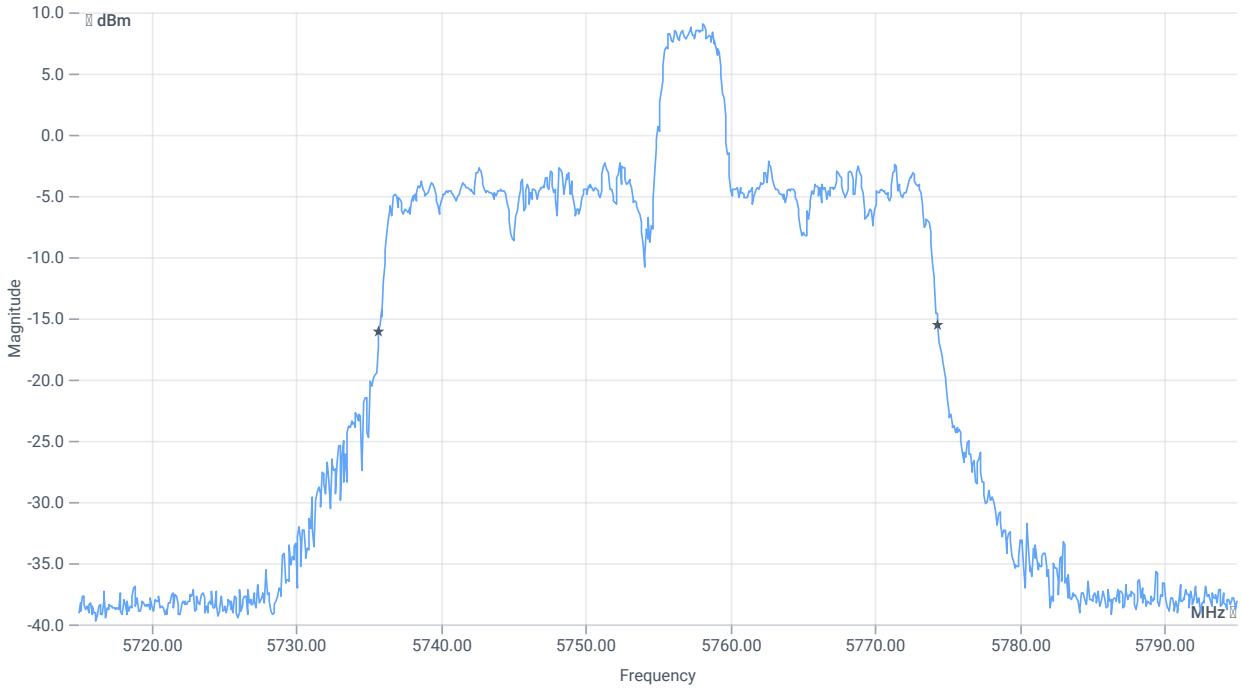
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.26	dBm	INFO
Ref. frequency	---	---	5757.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

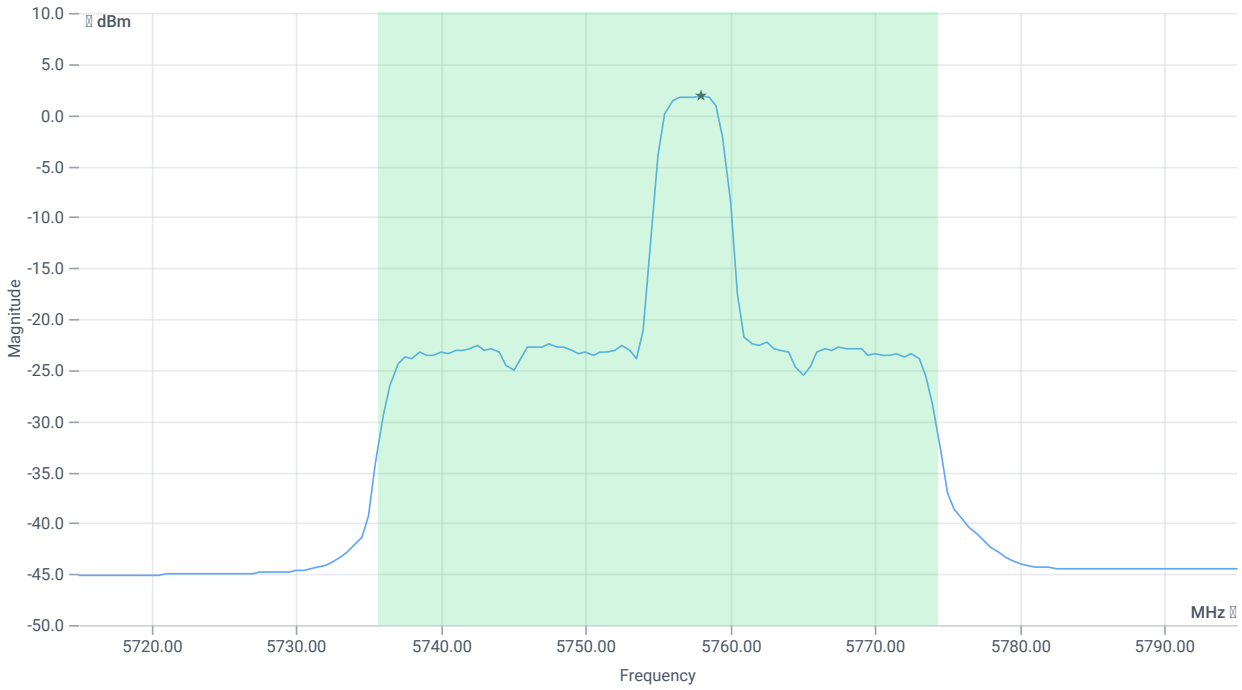
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.64	MHz	INFO
T1 26dB	---	---	5735.7200	MHz	INFO
T2 26dB	---	---	5774.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.26 | 11.16 | 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	---	---	7.7	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.7	dBm	PASS
LIMIT: 11 dBm + 10 log 38.64					
Max output power DC corrected cond	---	26.87	7.7	dBm	na

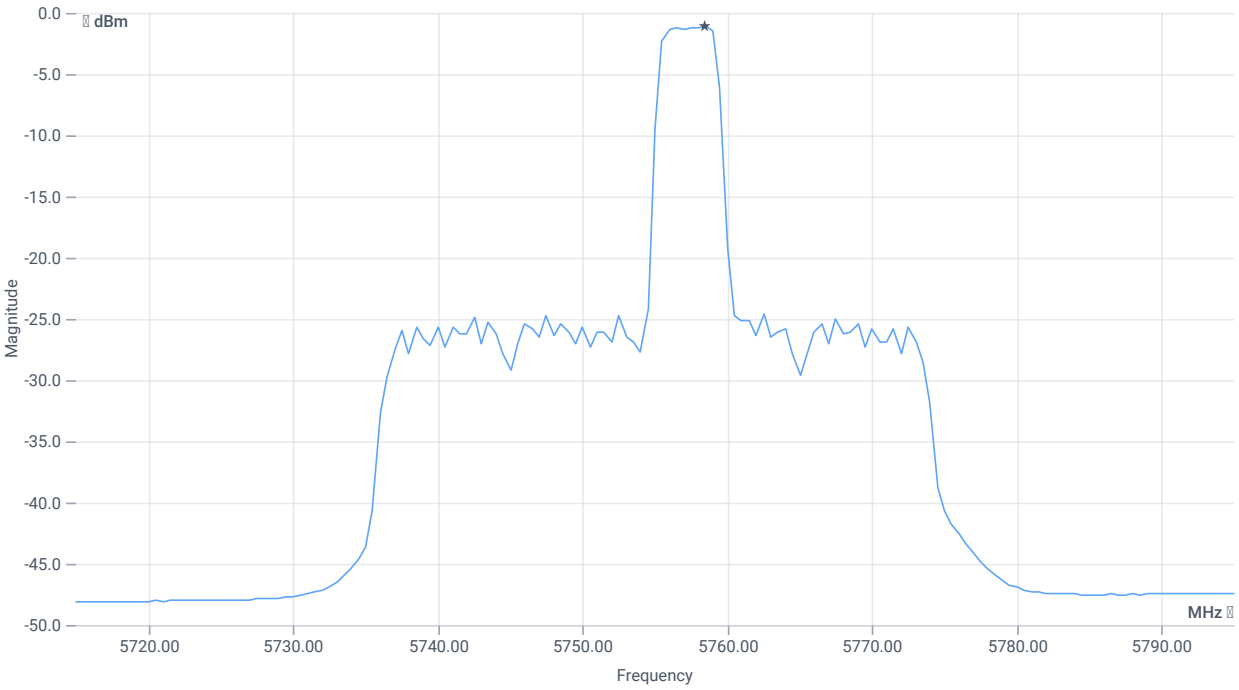
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.26 | 11.16 | 30

READ SA SETTINGS:

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	---	---	-1.11	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.11	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

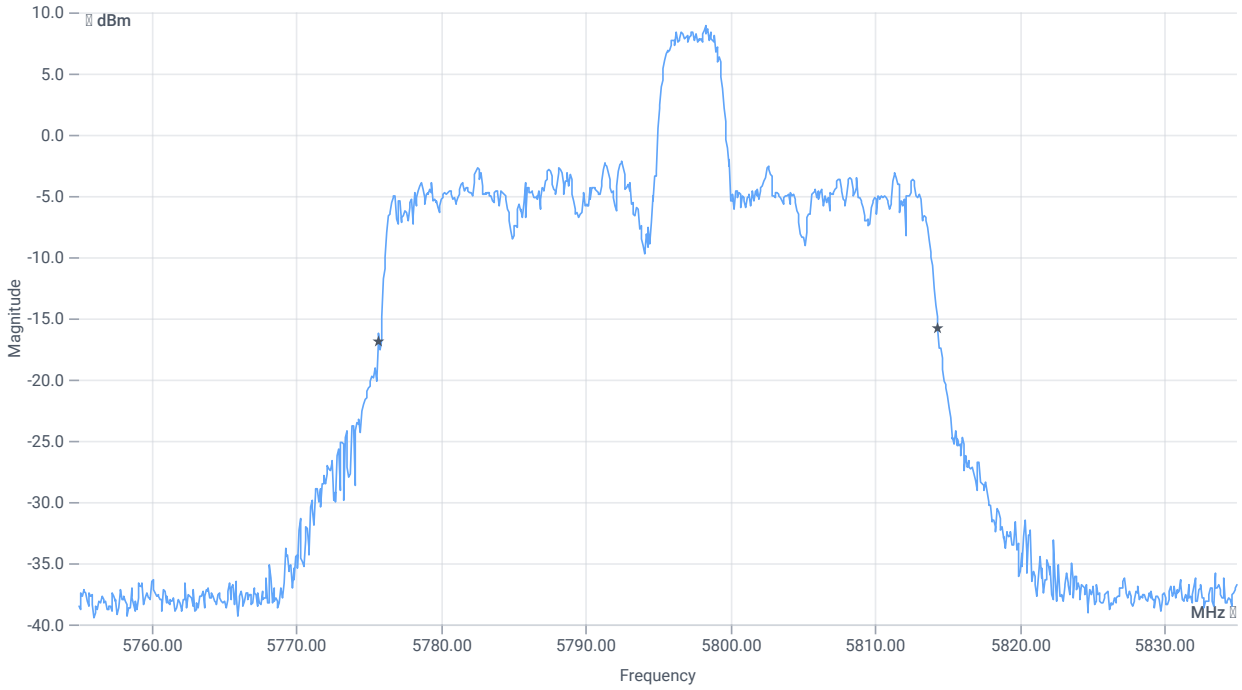
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.30	dBm	INFO
Ref. frequency	---	---	5797.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

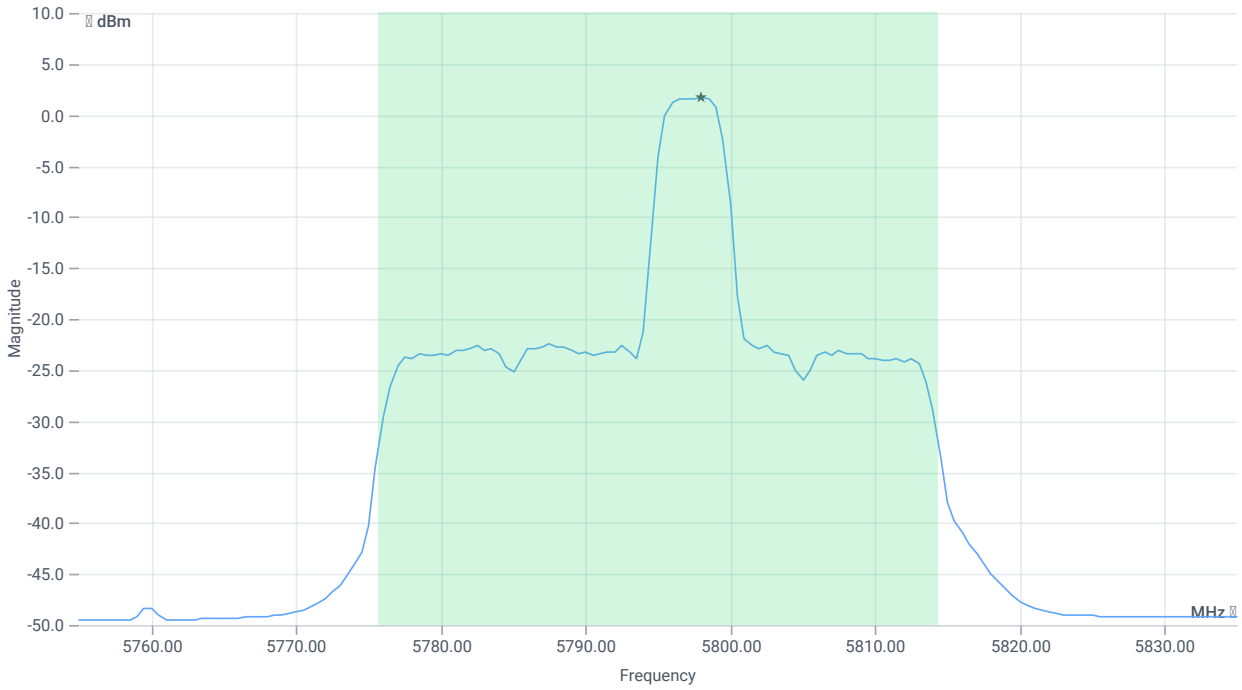
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5775.6400	MHz	INFO
T2 26dB	---	---	5814.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.30 | 11.36 | 25
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	---	---	7.56	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.56	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	7.56	dBm	na

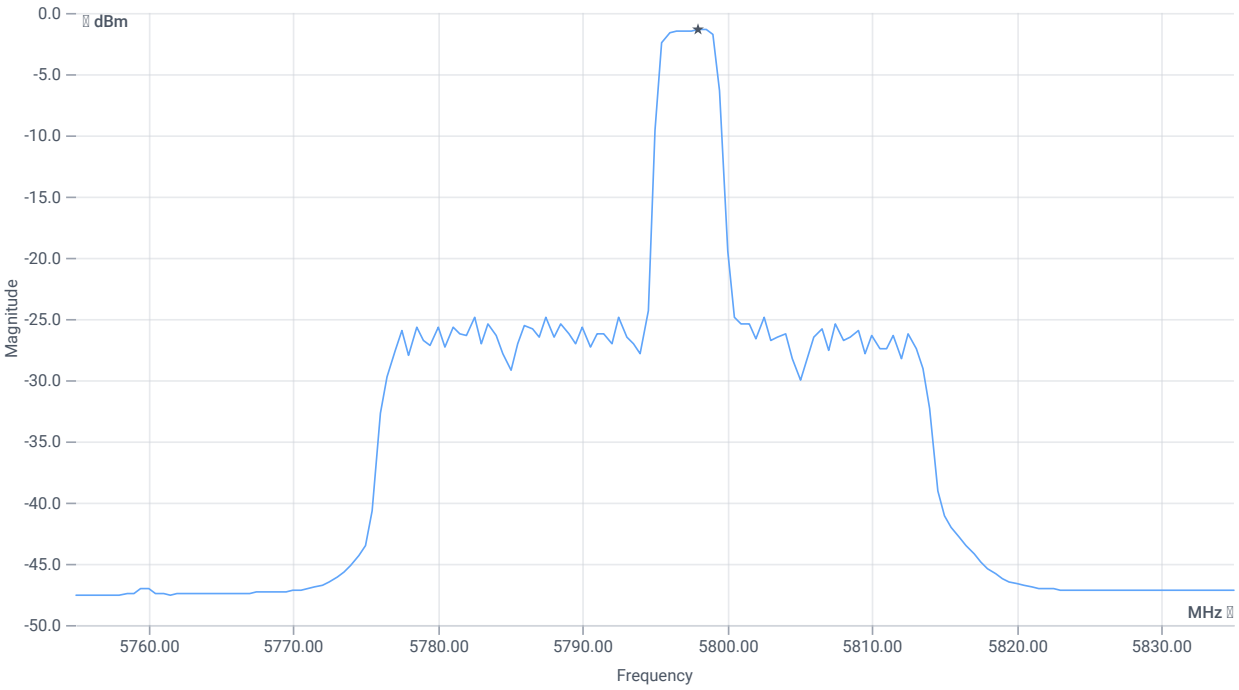
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.30 | 11.36 | 30

READ SA SETTINGS:

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	---	---	-1.34	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.34	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	21.01.2026 16:23:04
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

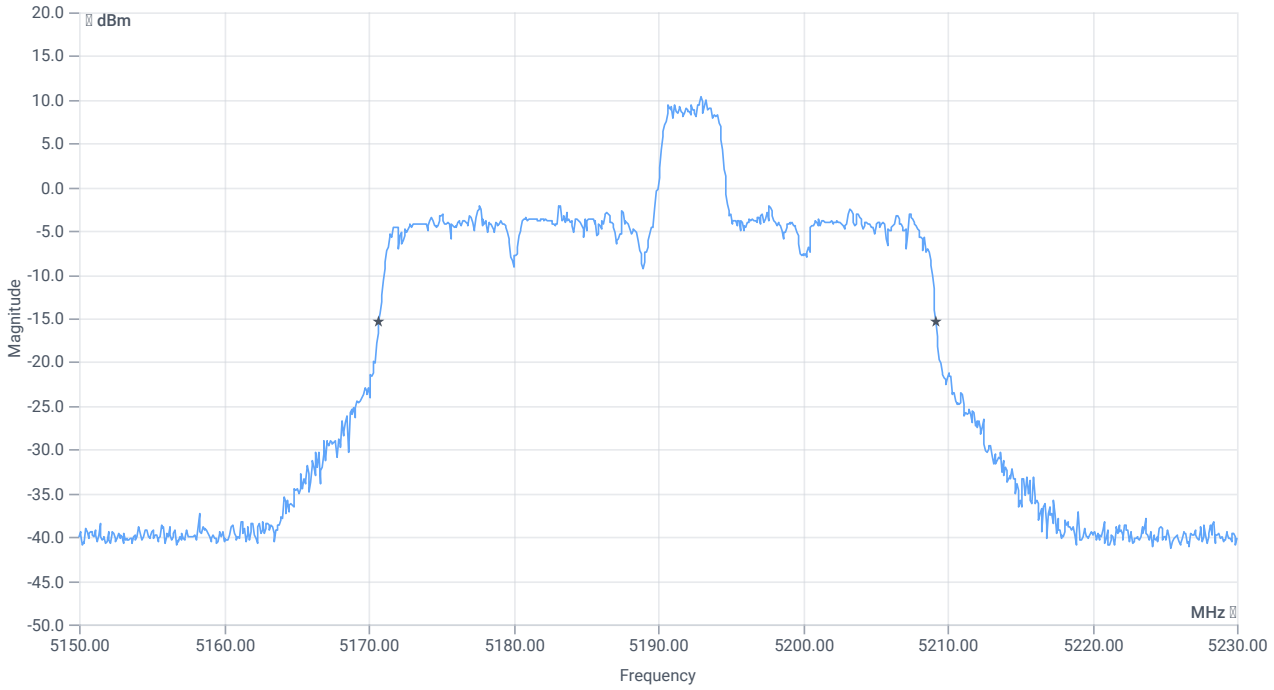
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.10	dBm	INFO
Ref. frequency	---	---	5193.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

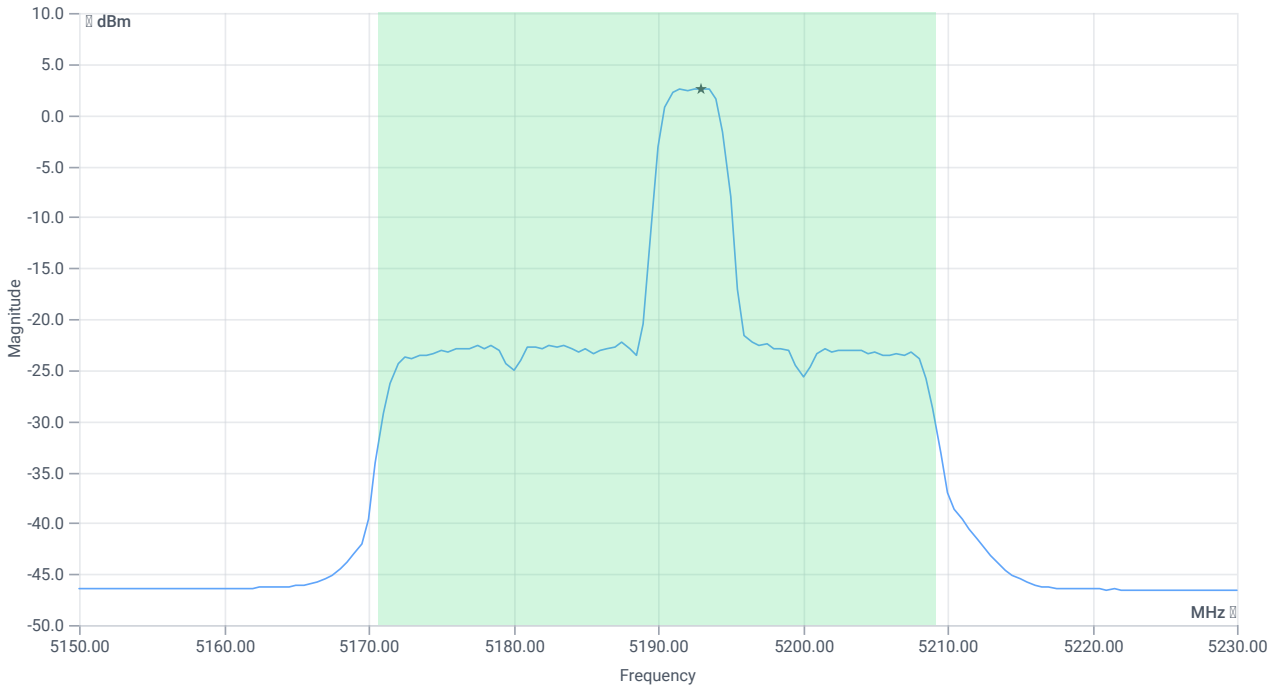
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.48	MHz	INFO
T1 26dB	---	---	5170.7200	MHz	INFO
T2 26dB	---	---	5209.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.10 | 10.87 | 30
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	---	---	8.41	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.41	dBm	PASS
LIMIT: 11 dBm + 10 log 38.48					
Max output power DC corrected cond	---	26.85	8.41	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.6	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.6	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

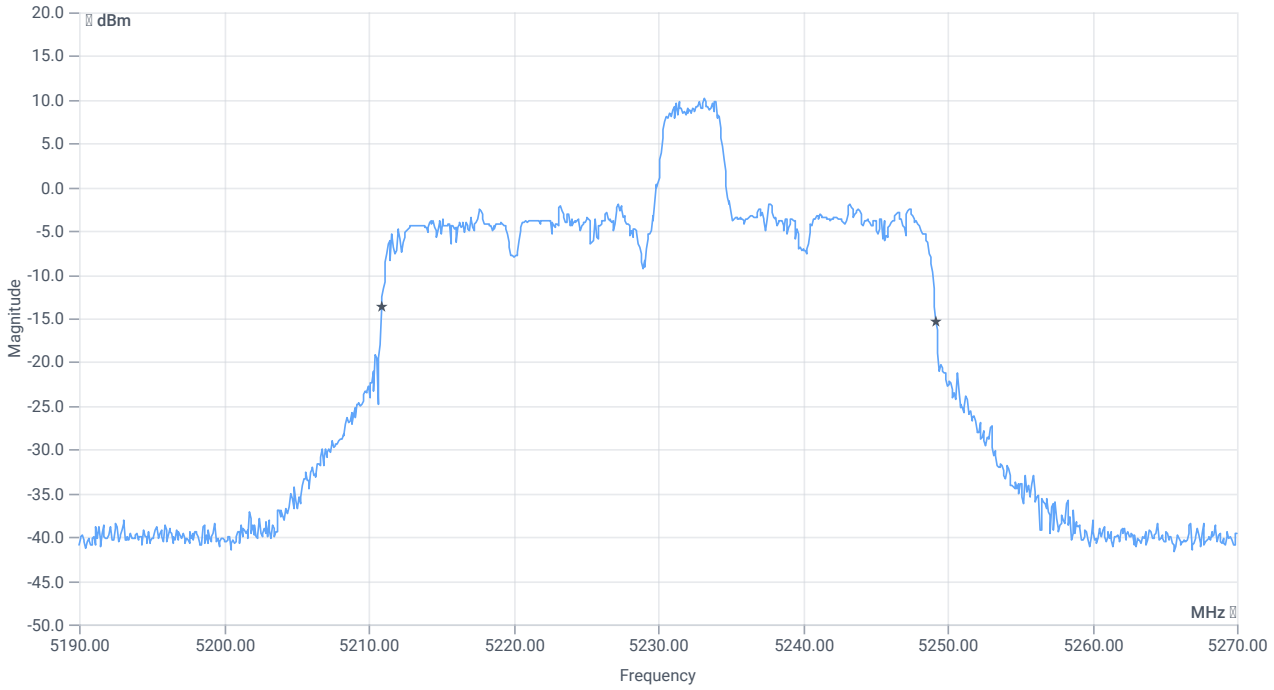
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.18	dBm	INFO
Ref. frequency	---	---	5232.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

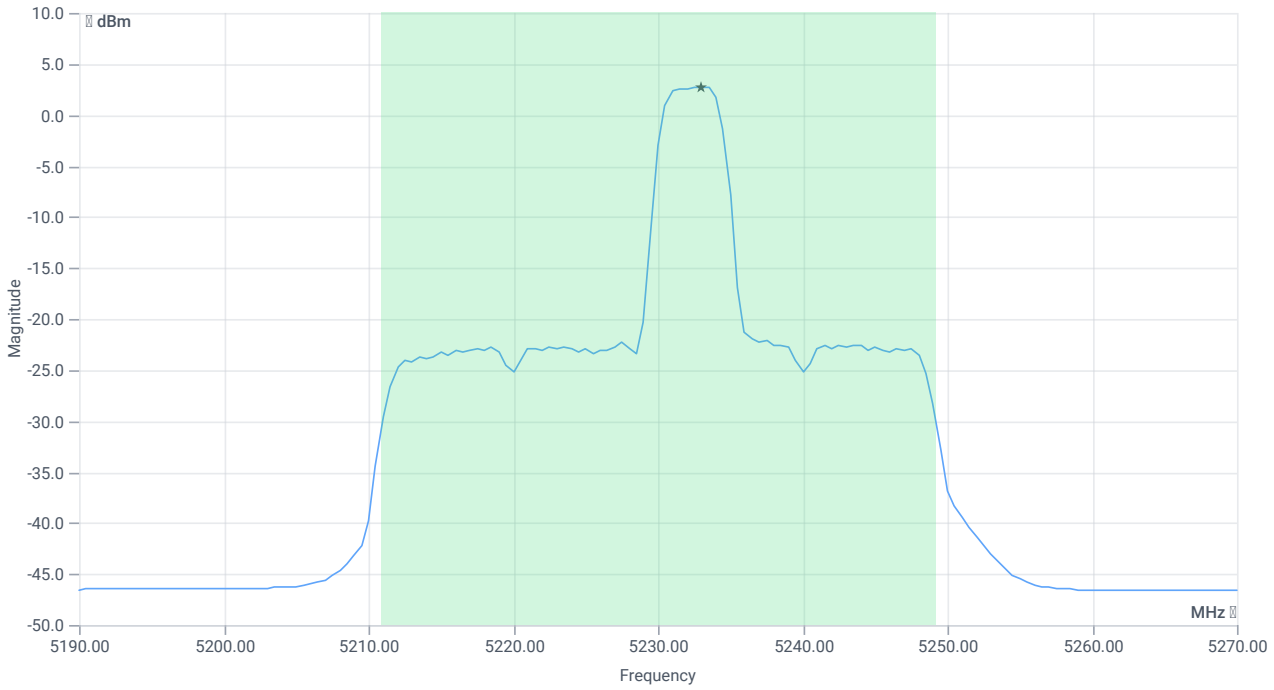
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.32	MHz	INFO
T1 26dB	---	---	5210.8800	MHz	INFO
T2 26dB	---	---	5249.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.18 | 10.86 | 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	---	---	8.59	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.59	dBm	PASS
LIMIT: 11 dBm + 10 log 38.32					
Max output power DC corrected cond	---	26.83	8.59	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.78	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.78	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	21.01.2026 16:26:41
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

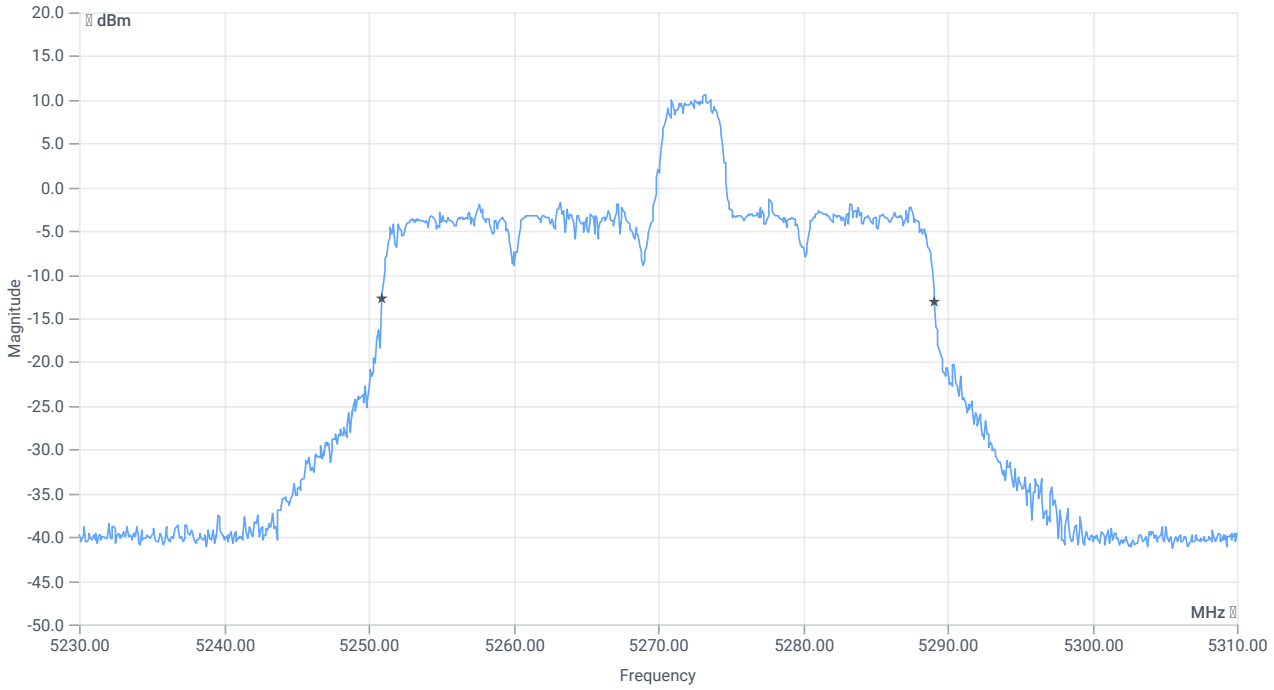
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.76	dBm	INFO
Ref. frequency	---	---	5272.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.24	MHz	INFO
T1 26dB	---	---	5250.8800	MHz	INFO
T2 26dB	---	---	5289.1200	MHz	INFO

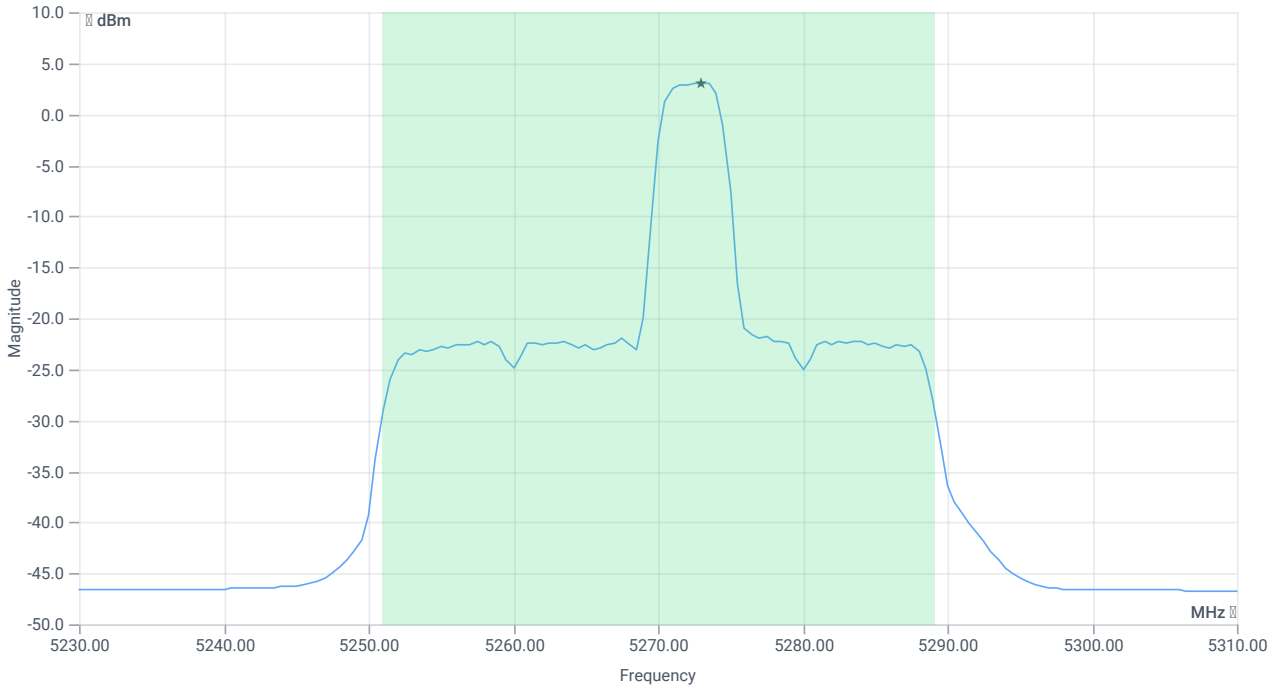
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.76 | 10.84 | 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	---	---	8.88	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.88	dBm	PASS
LIMIT: 11 dBm + 10 log 38.24					
Max output power DC corrected cond	---	26.83	8.88	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.88	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	---	---	3.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.09	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

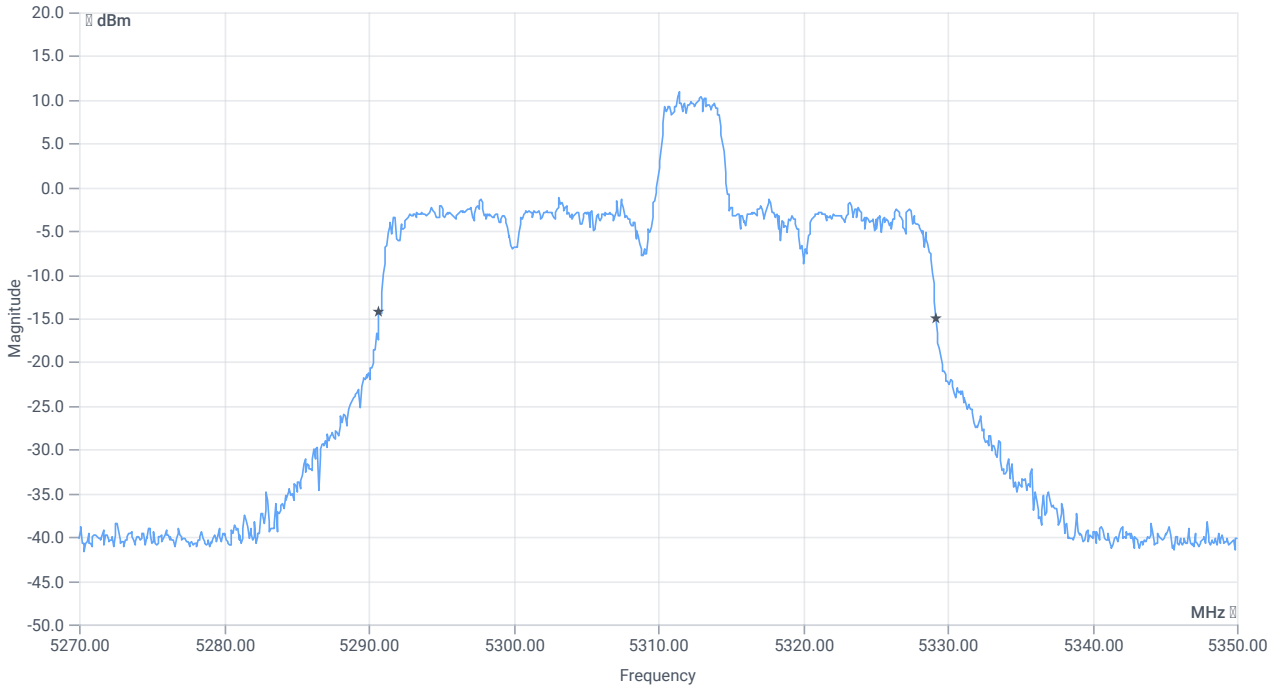
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.37	dBm	INFO
Ref. frequency	---	---	5313.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.48	MHz	INFO
T1 26dB	---	---	5290.7200	MHz	INFO
T2 26dB	---	---	5329.2000	MHz	INFO

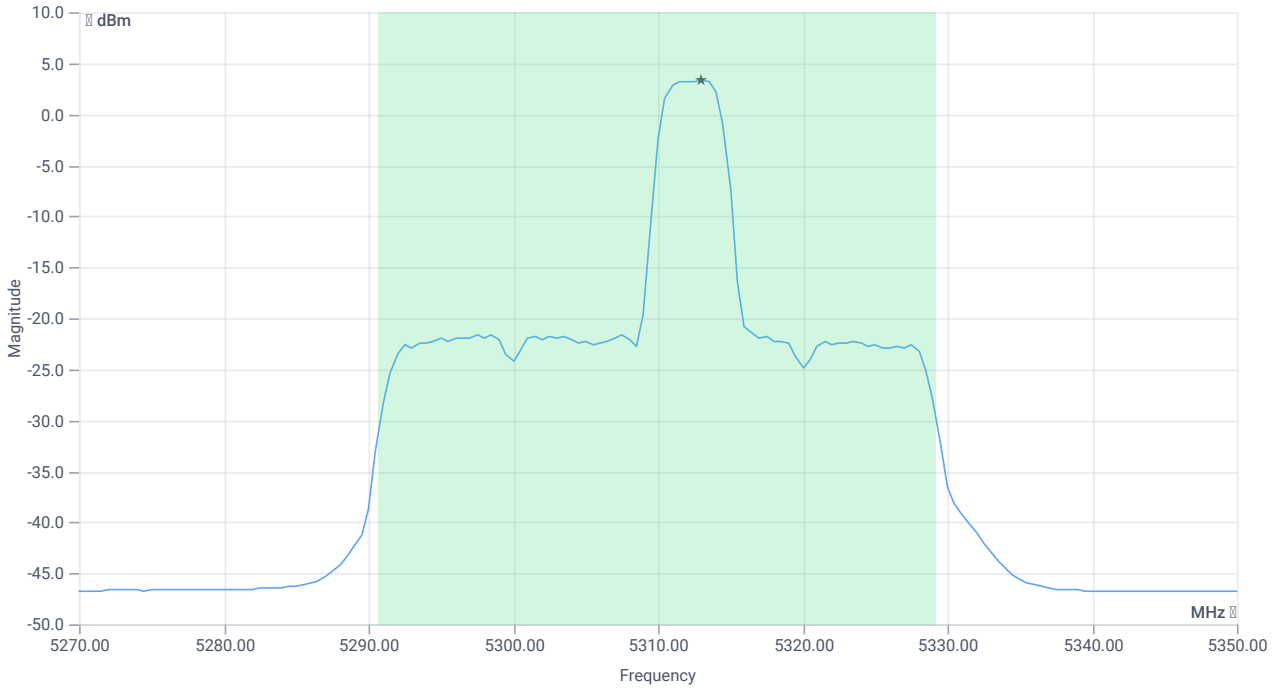
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.37 | 10.79 | 30
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	---	---	9.12	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.12	dBm	PASS
LIMIT: 11 dBm + 10 log 38.48					
Max output power DC corrected cond	---	26.85	9.12	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.12	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	---	---	3.32	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	3.32	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	21.01.2026 16:30:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

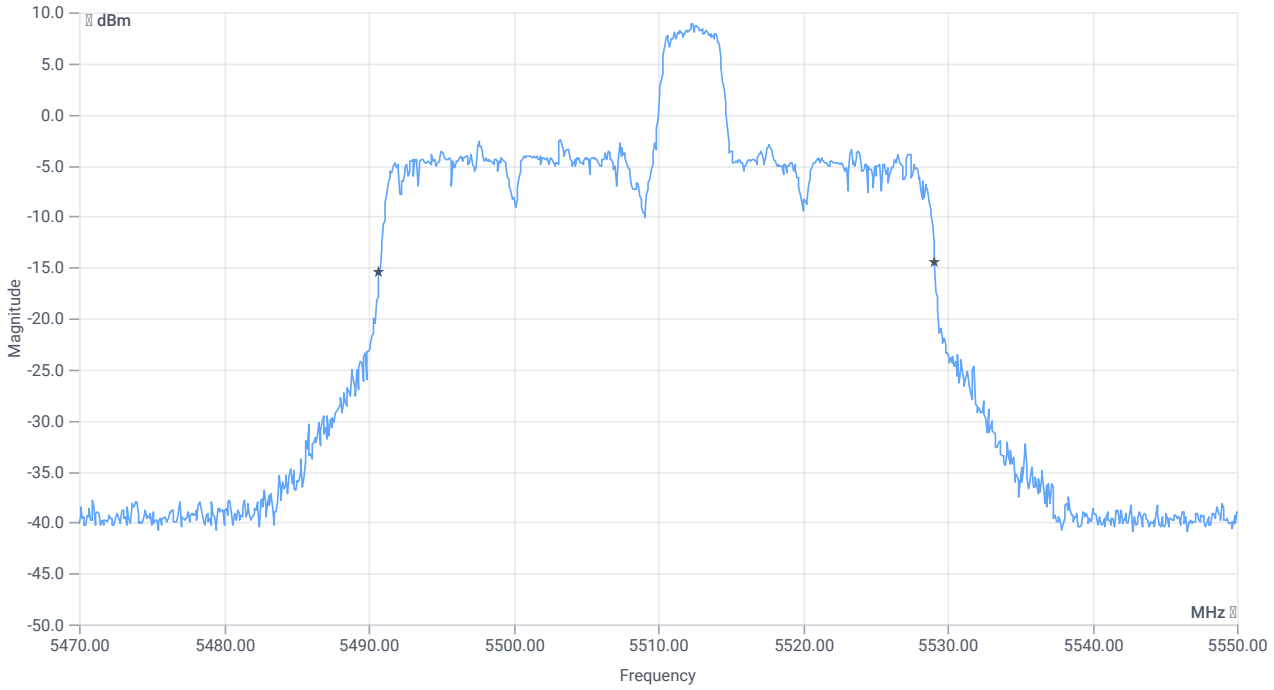
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.25	dBm	INFO
Ref. frequency	---	---	5513.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

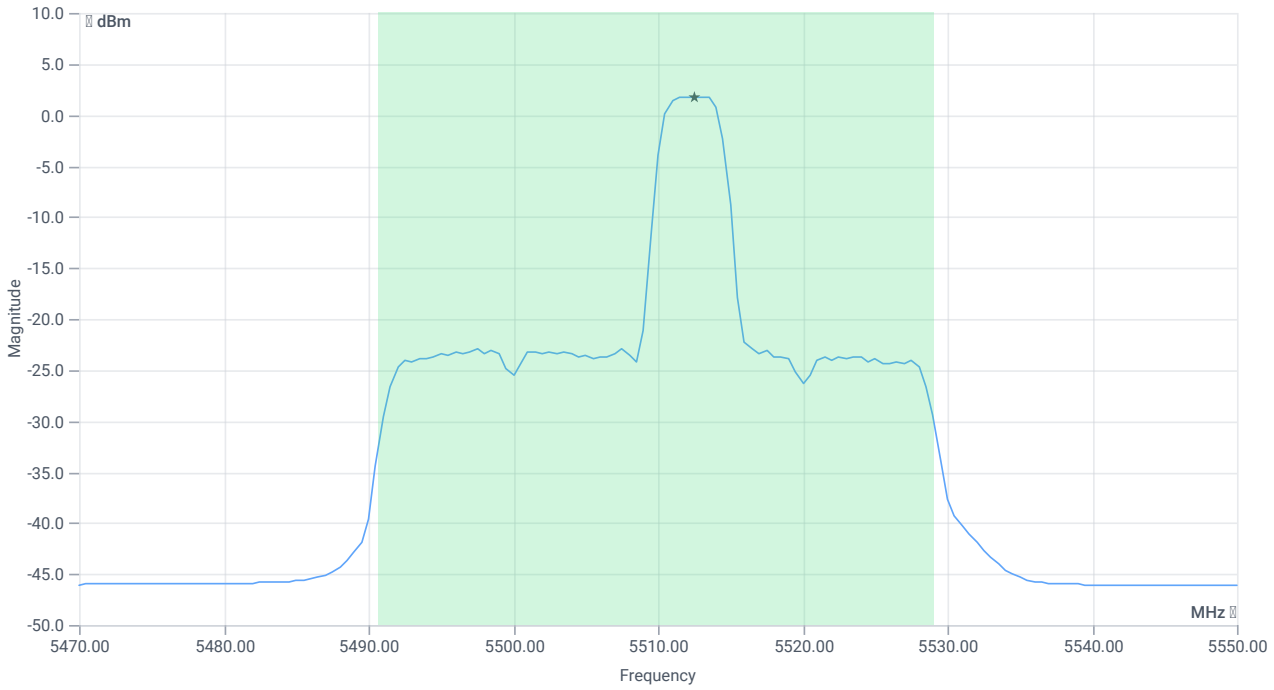
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.4	MHz	INFO
T1 26dB	---	---	5490.7200	MHz	INFO
T2 26dB	---	---	5529.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.25 | 10.94 | 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	---	---	7.68	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.68	dBm	PASS
LIMIT: 11 dBm + 10 log 38.4					
Max output power DC corrected cond	---	26.84	7.68	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.68	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	---	---	1.81	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.81	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

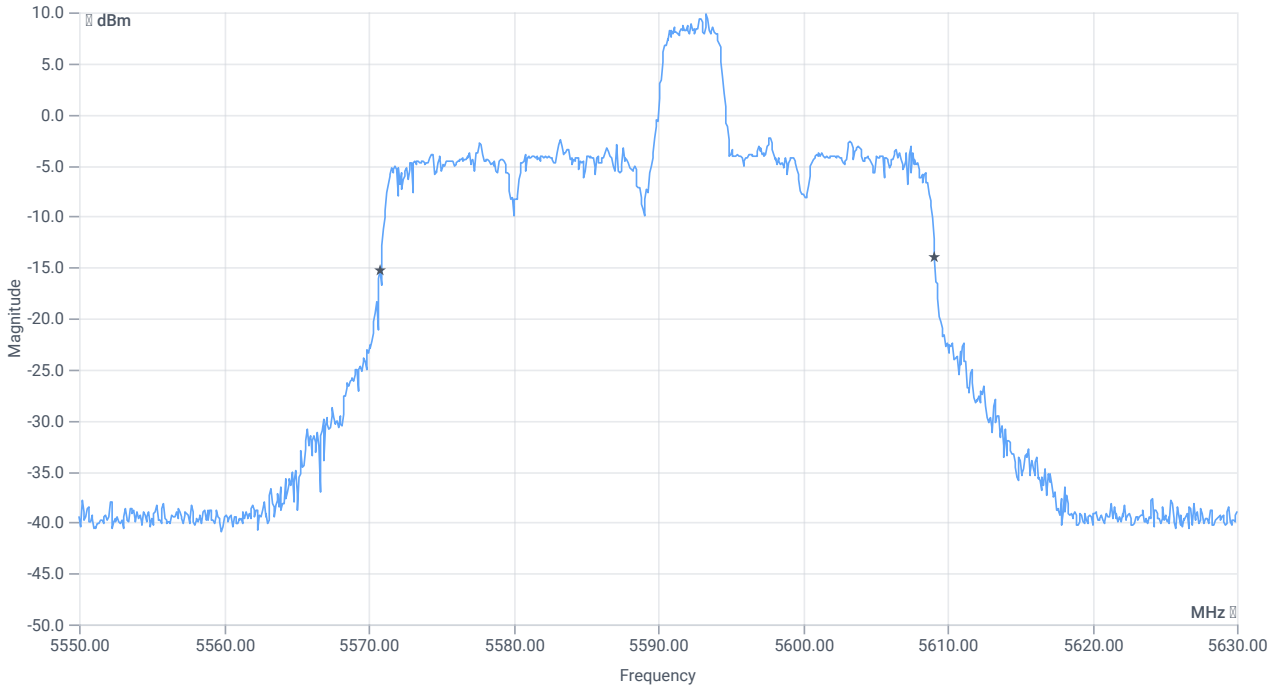
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.15	dBm	INFO
Ref. frequency	---	---	5593.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

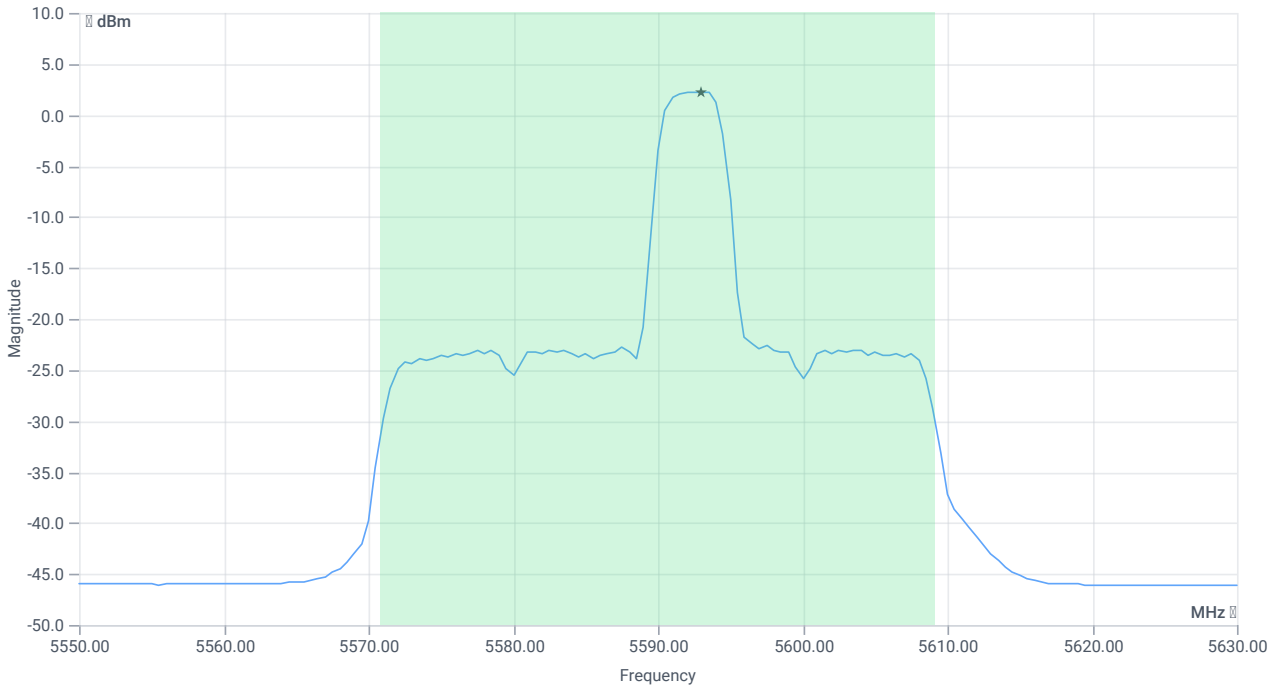
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.32	MHz	INFO
T1 26dB	---	---	5570.8000	MHz	INFO
T2 26dB	---	---	5609.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.15 | 11.06 | 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	---	---	8.08	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.08	dBm	PASS
LIMIT: 11 dBm + 10 log 38.32					
Max output power DC corrected cond	---	26.83	8.08	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.08	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	---	---	2.28	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.28	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

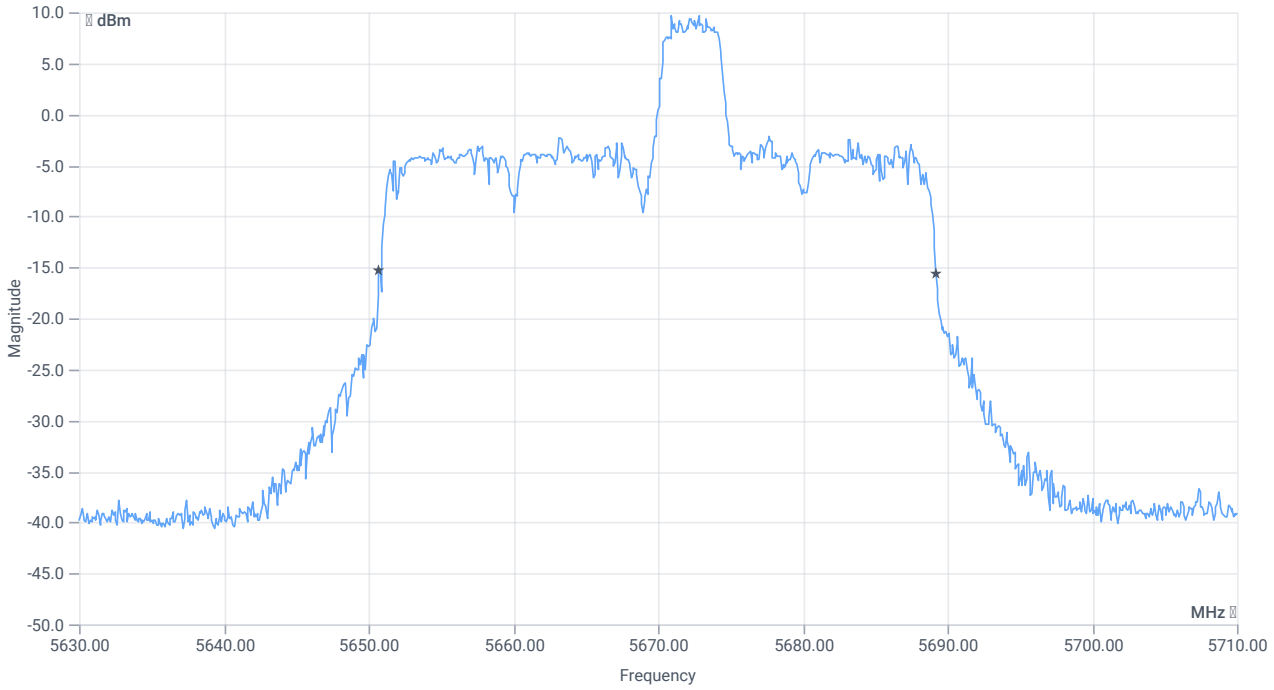
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.74	dBm	INFO
Ref. frequency	---	---	5672.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

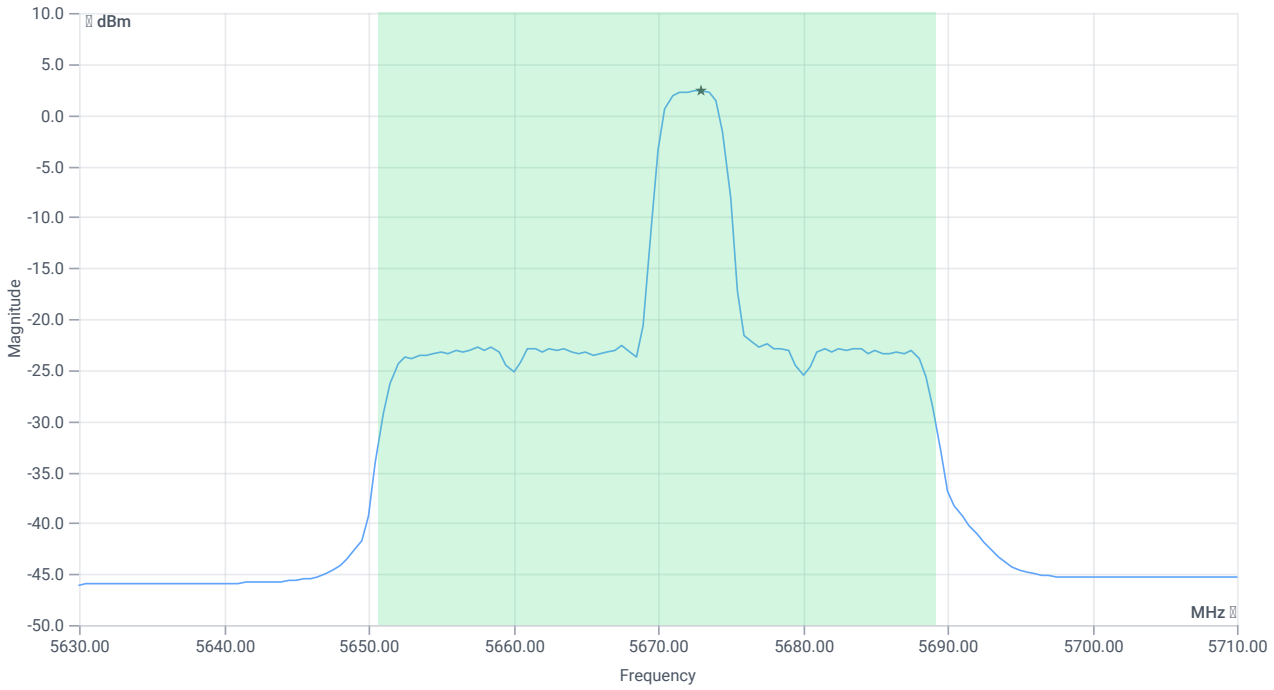
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.48	MHz	INFO
T1 26dB	---	---	5650.7200	MHz	INFO
T2 26dB	---	---	5689.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.74 | 11.09 | 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	---	---	8.25	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.25	dBm	PASS
LIMIT: 11 dBm + 10 log 38.48					
Max output power DC corrected cond	---	26.85	8.25	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.25	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	---	---	2.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.45	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	21.01.2026 16:37:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

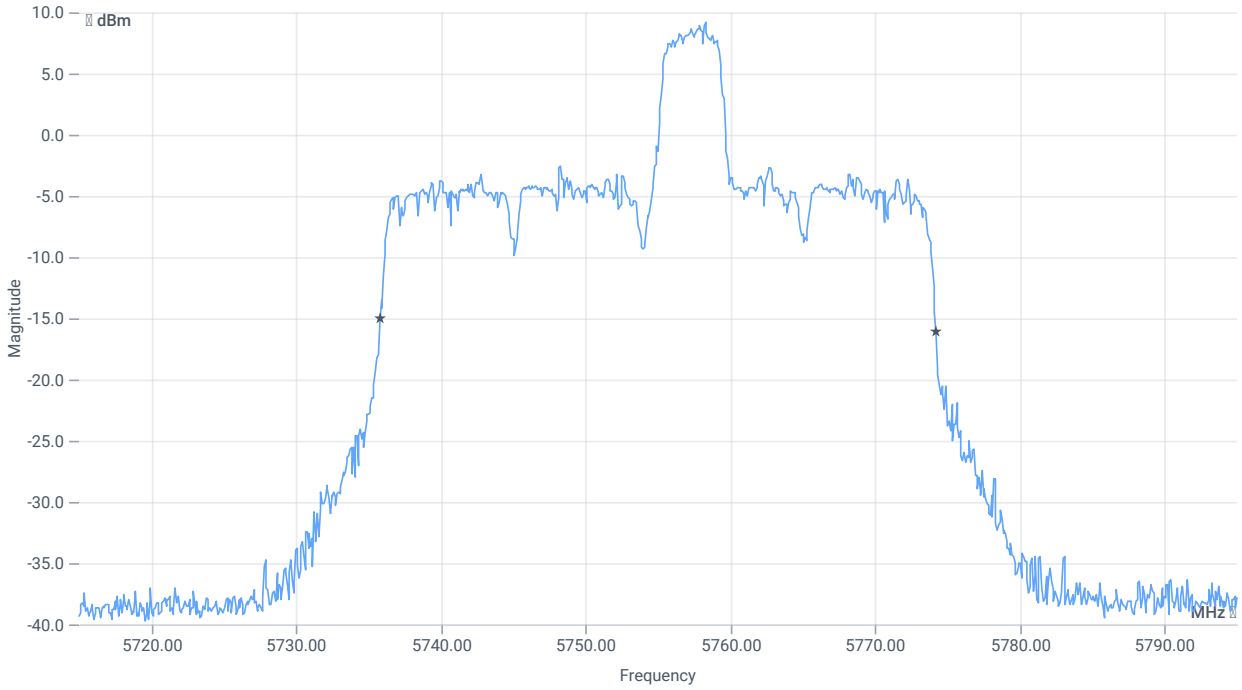
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.03	dBm	INFO
Ref. frequency	---	---	5758.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

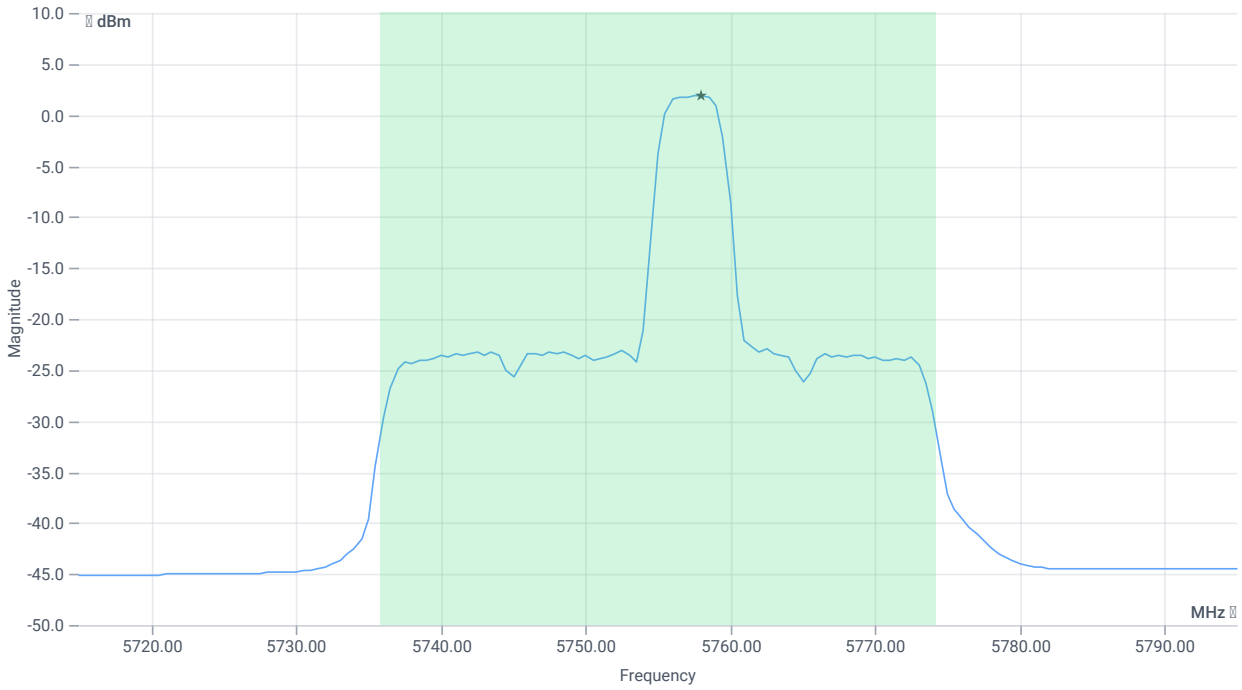
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.4	MHz	INFO
T1 26dB	---	---	5735.8000	MHz	INFO
T2 26dB	---	---	5774.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.03 | 11.16 | 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	---	---	7.76	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.76	dBm	PASS
LIMIT: 11 dBm + 10 log 38.4					
Max output power DC corrected cond	---	26.84	7.76	dBm	na

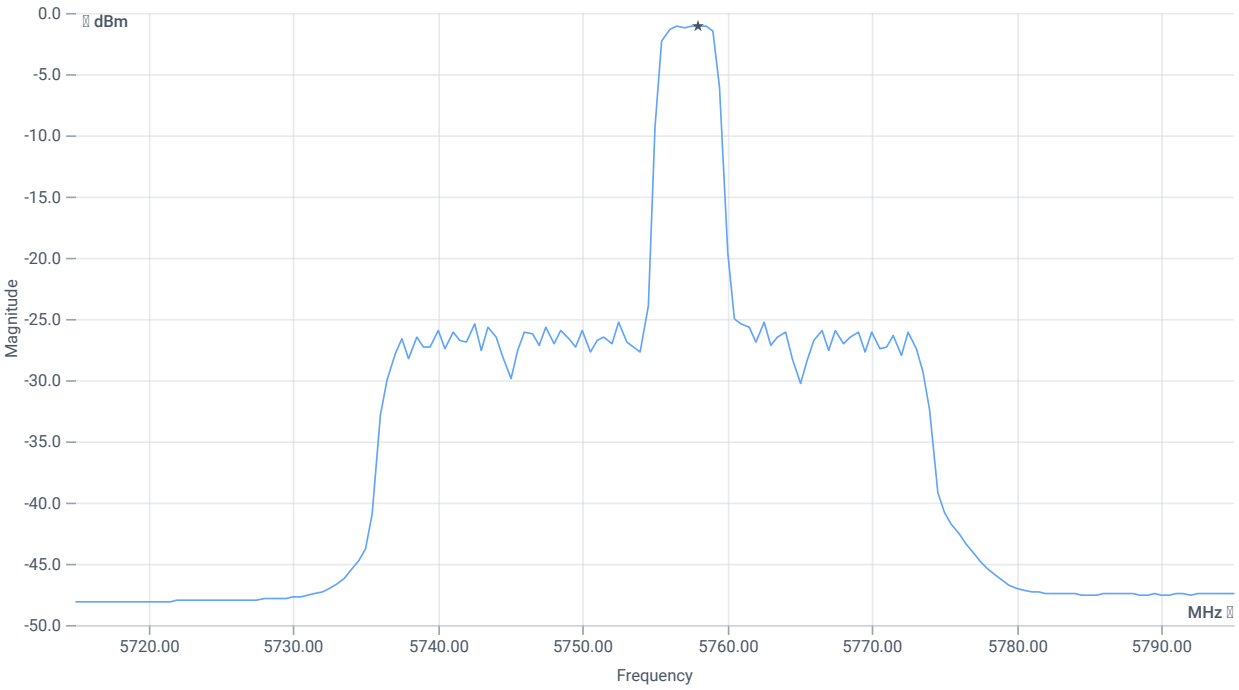
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.03 | 11.16 | 30

READ SA SETTINGS:

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	---	---	-1.04	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.04	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

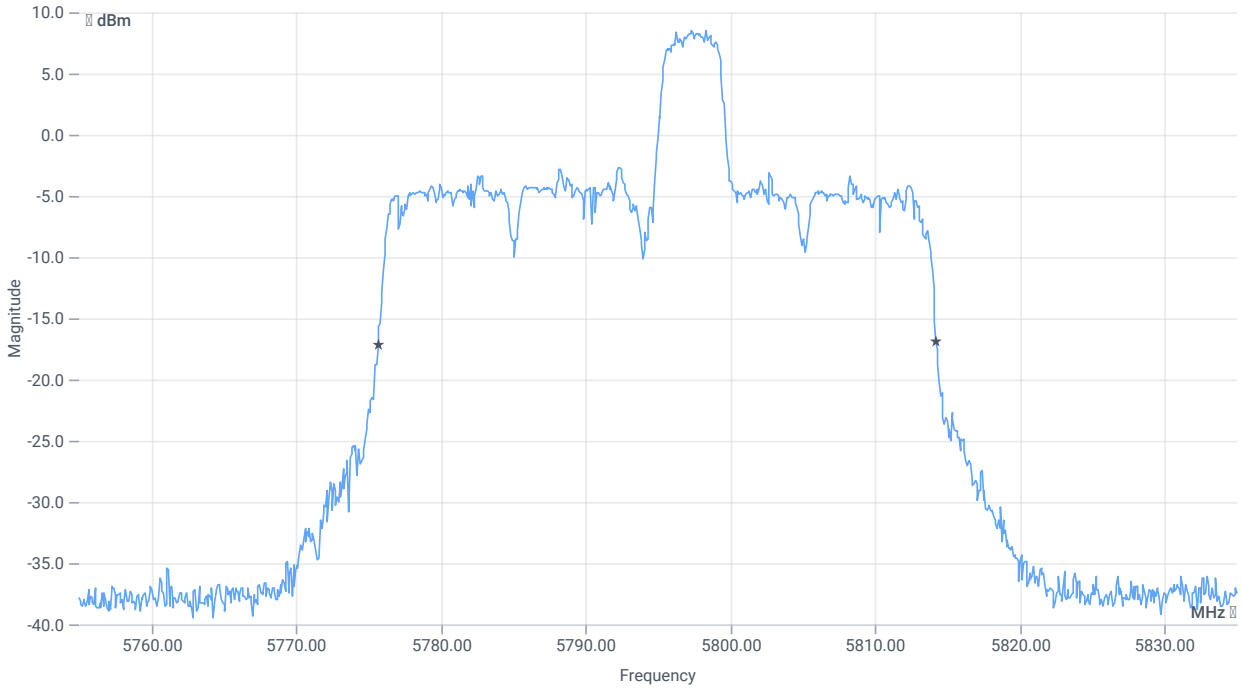
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.50	dBm	INFO
Ref. frequency	---	---	5797.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

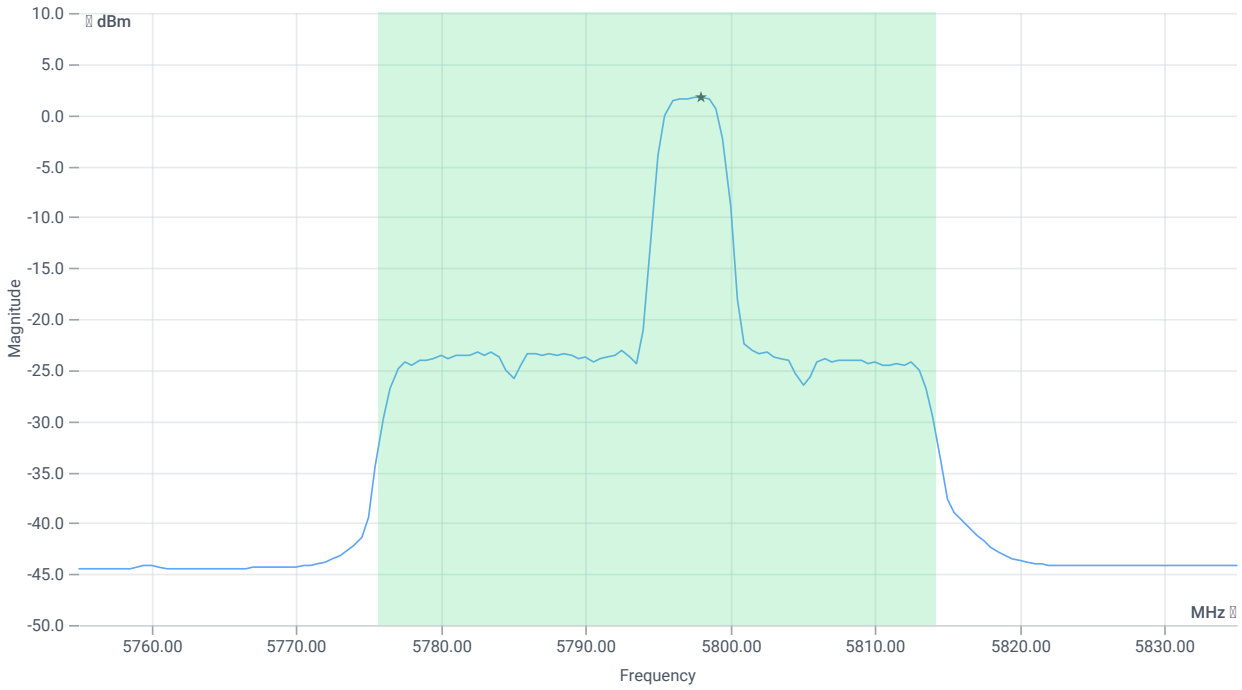
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.56	MHz	INFO
T1 26dB	---	---	5775.6400	MHz	INFO
T2 26dB	---	---	5814.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.50 | 11.36 | 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	---	---	7.58	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.58	dBm	PASS
LIMIT: 11 dBm + 10 log 38.56					
Max output power DC corrected cond	---	26.86	7.58	dBm	na

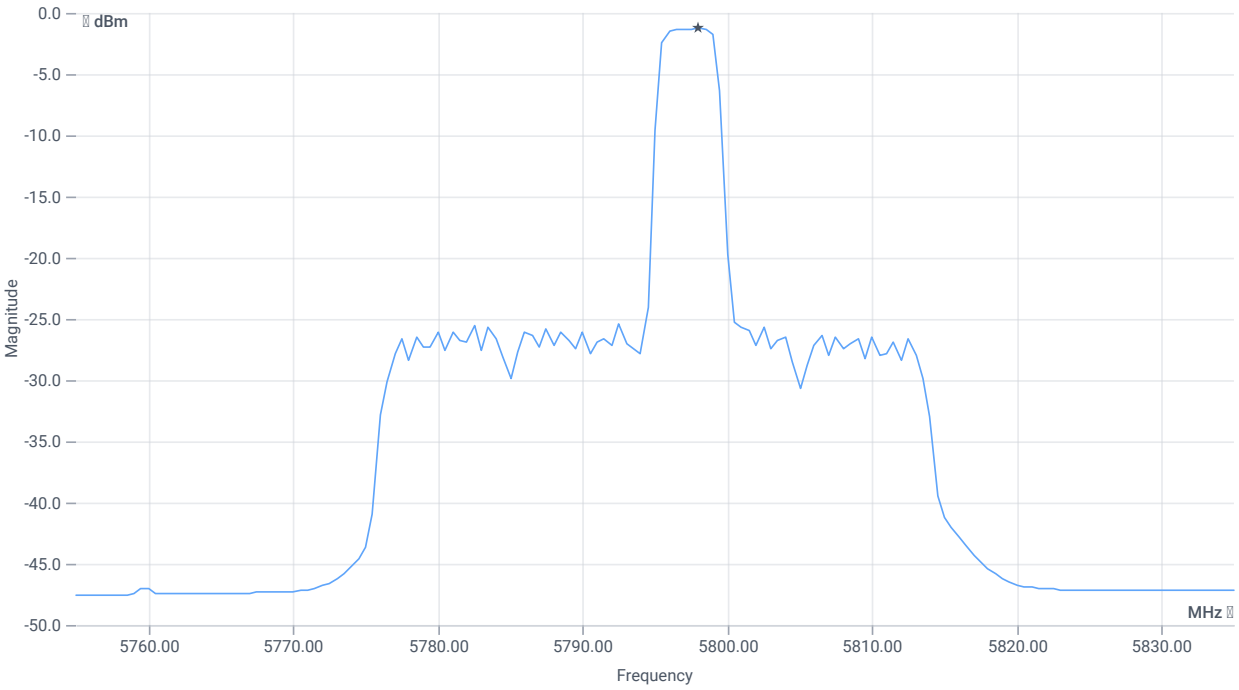
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.50 | 11.36 | 30

READ SA SETTINGS:

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	---	---	-1.24	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.24	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	21.01.2026 16:47:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

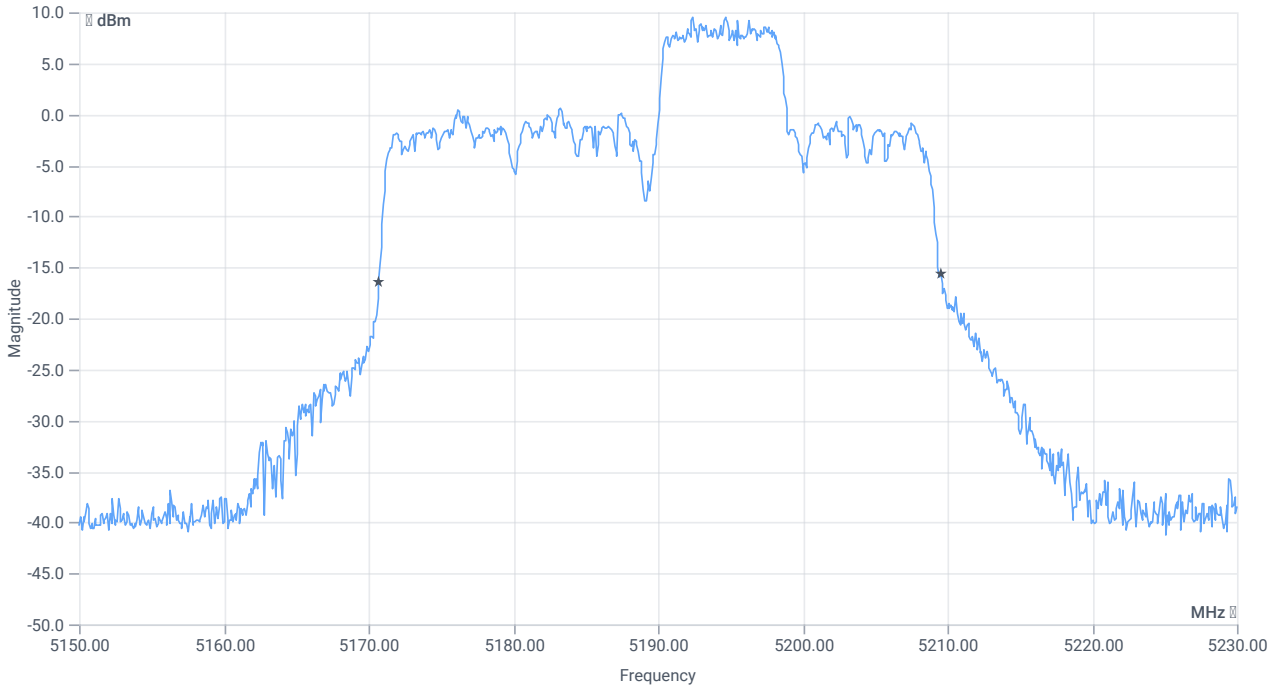
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.45	dBm	INFO
Ref. frequency	---	---	5192.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

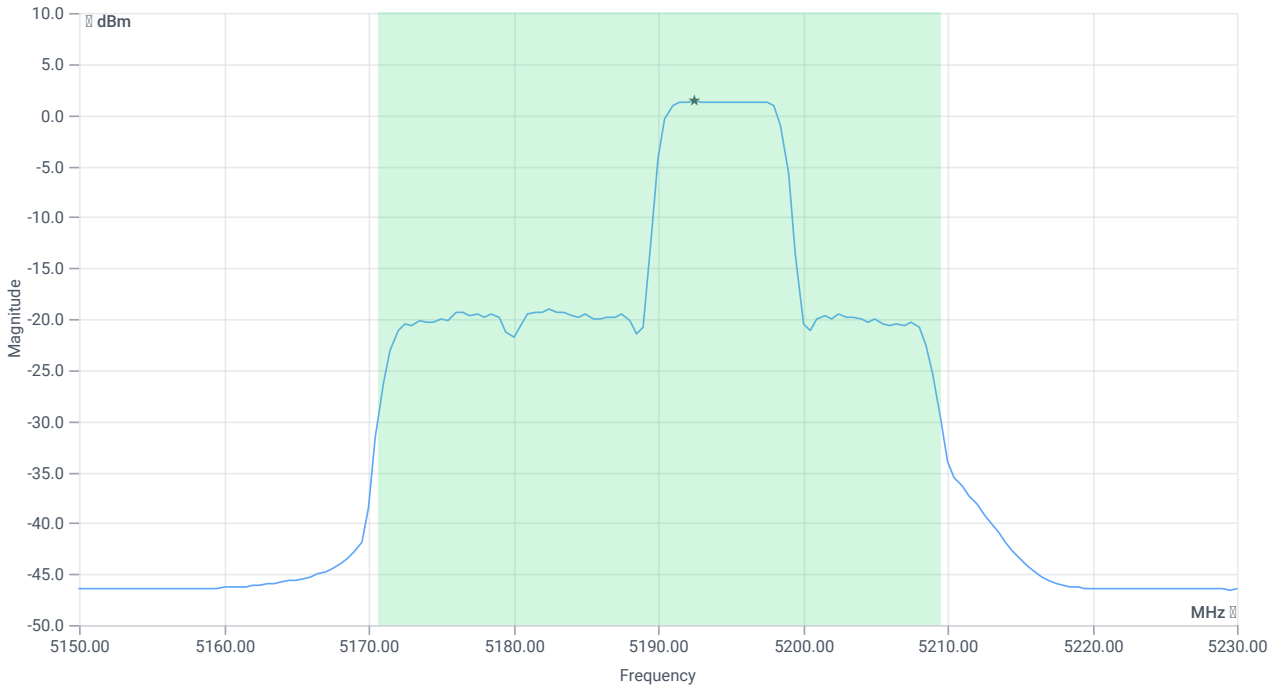
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5170.7200	MHz	INFO
T2 26dB	---	---	5209.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.45 | 10.87 | 30
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	---	---	10.29	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.29	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.29	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.33	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.33	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

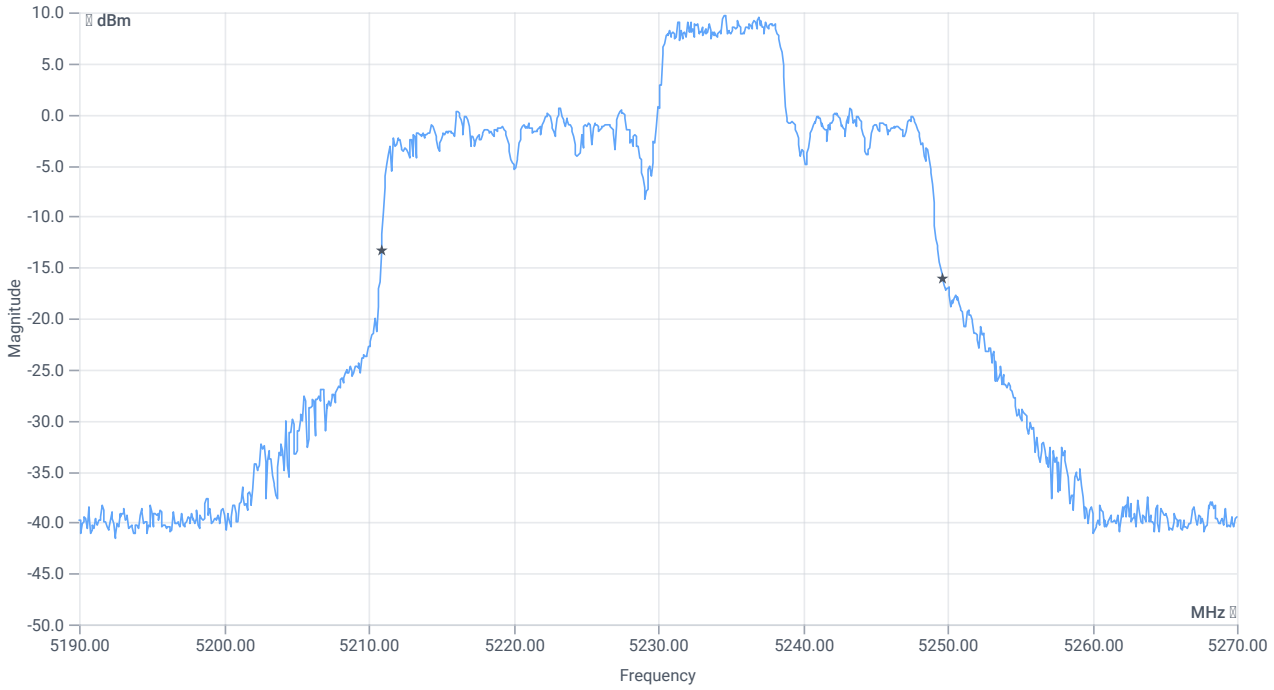
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.00	dBm	INFO
Ref. frequency	---	---	5233.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

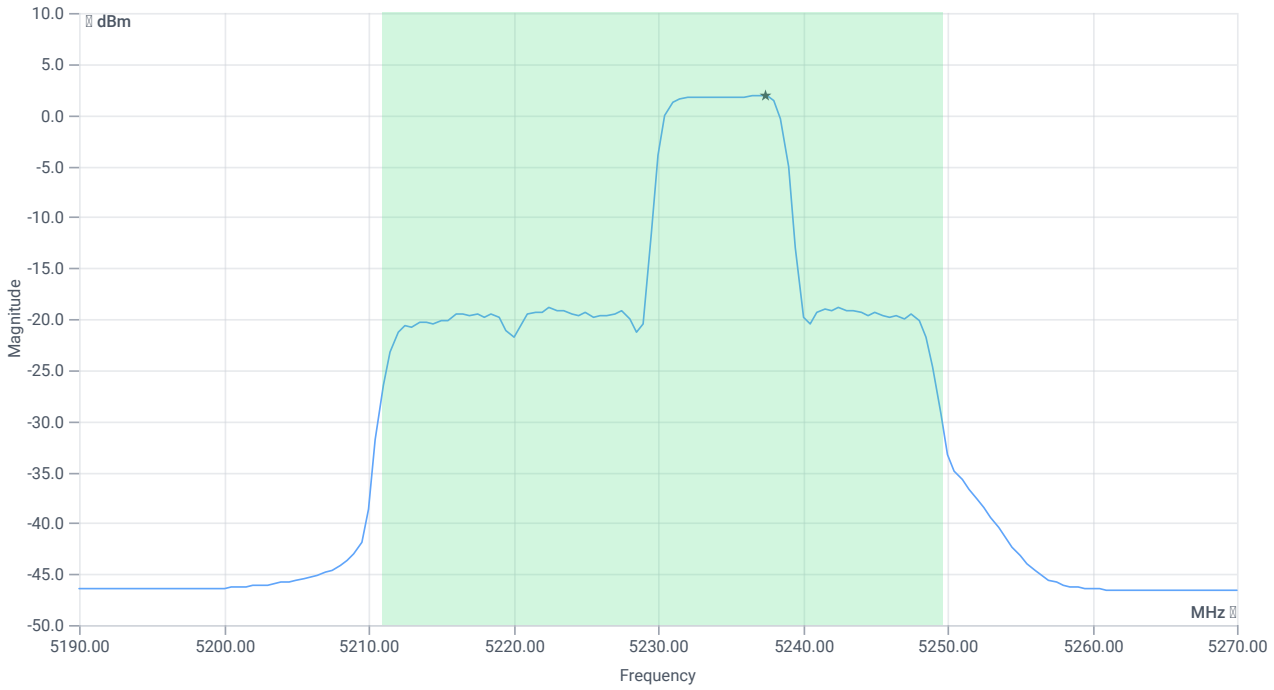
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5210.8800	MHz	INFO
T2 26dB	---	---	5249.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.00 | 10.86 | 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	---	---	10.75	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.75	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.75	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

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	dB	INFO
Power spectral density DC corrected cond	---	11	1.84	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	21.01.2026 16:50:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

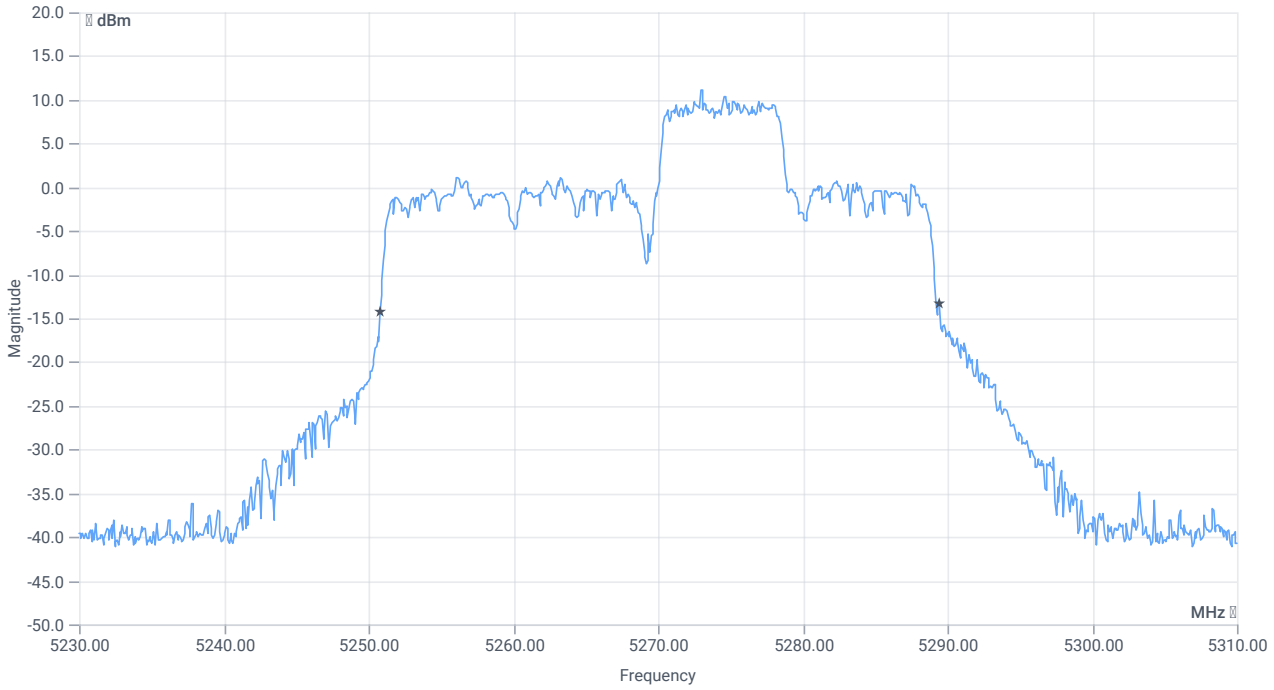
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.40	dBm	INFO
Ref. frequency	---	---	5272.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.64	MHz	INFO
T1 26dB	---	---	5250.8000	MHz	INFO
T2 26dB	---	---	5289.4400	MHz	INFO

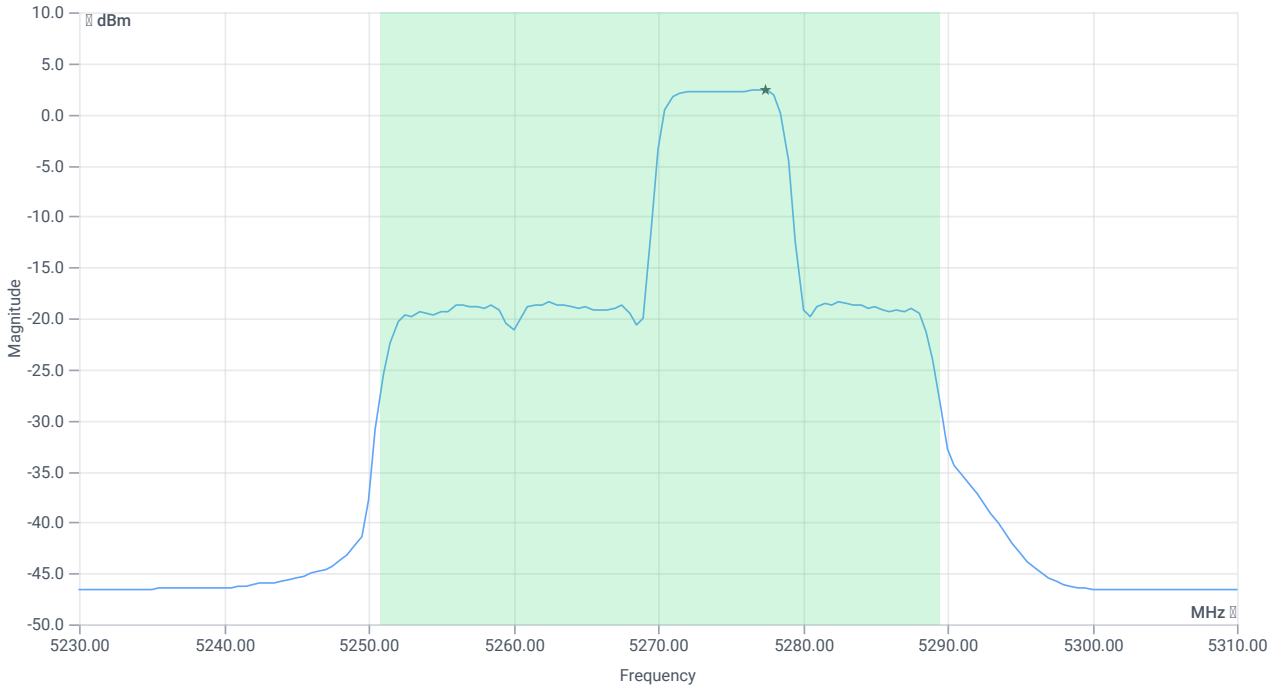
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.40 | 10.84 | 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	---	---	11.25	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.25	dBm	PASS
LIMIT: 11 dBm + 10 log 38.64					
Max output power DC corrected cond	---	26.87	11.25	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.25	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	---	---	2.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.34	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

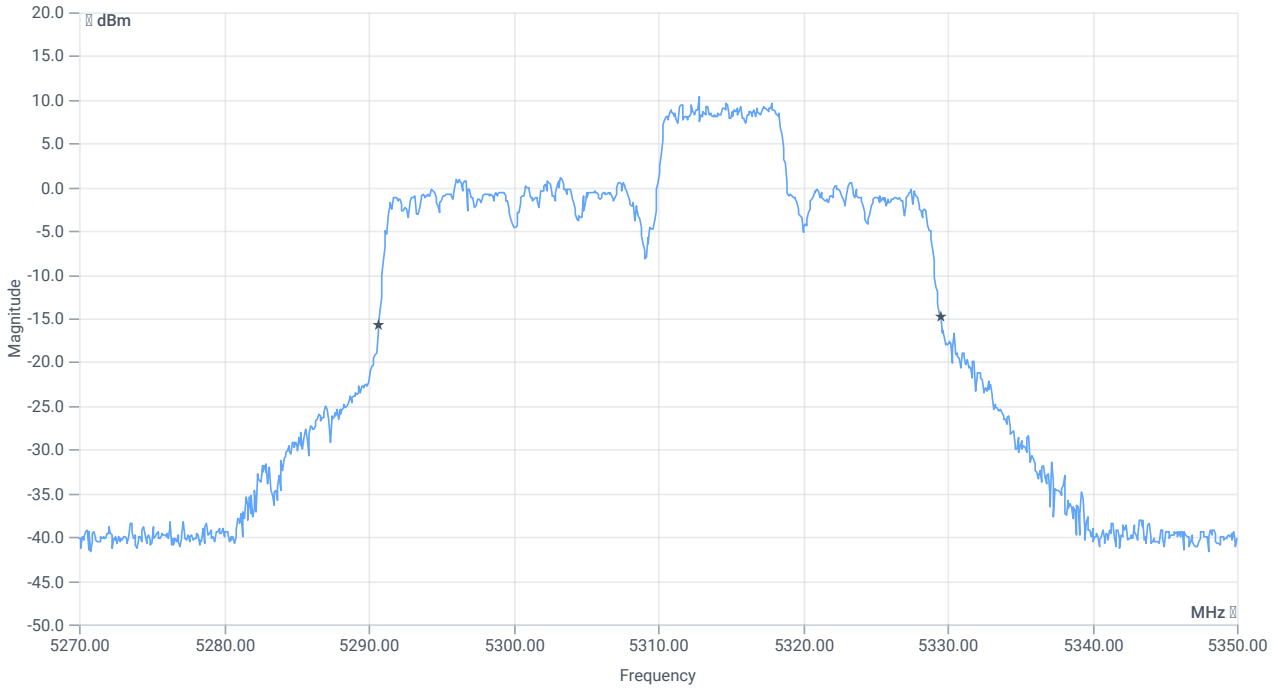
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.13	dBm	INFO
Ref. frequency	---	---	5313.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5290.7200	MHz	INFO
T2 26dB	---	---	5329.5200	MHz	INFO

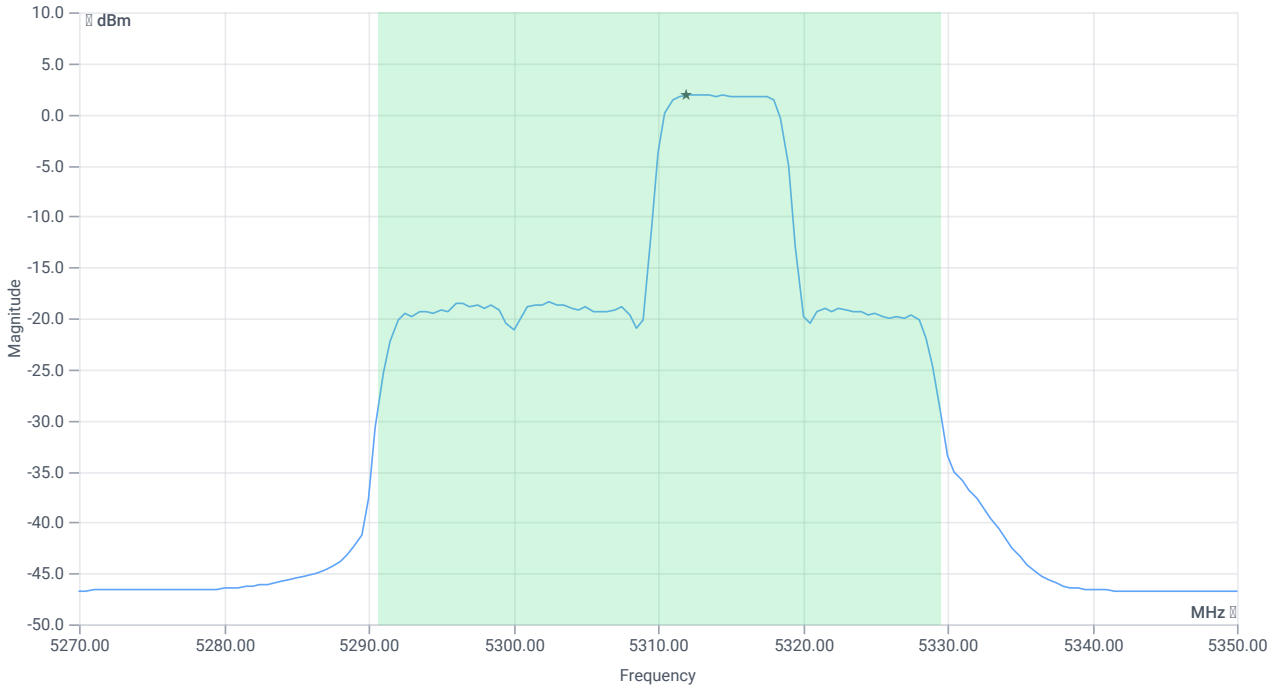
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.13 | 10.79 | 30
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	---	---	10.81	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.81	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.81	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.81	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	---	---	1.83	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.83	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	21.01.2026 16:54:07
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

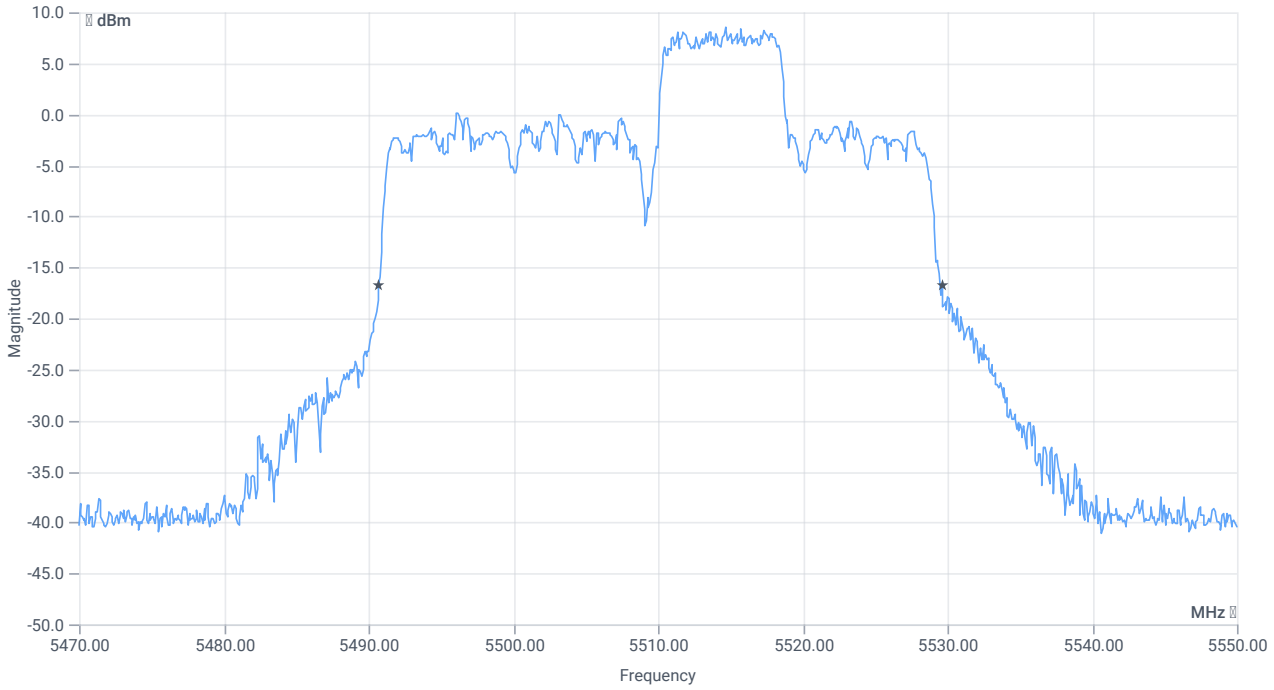
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.36	dBm	INFO
Ref. frequency	---	---	5516.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

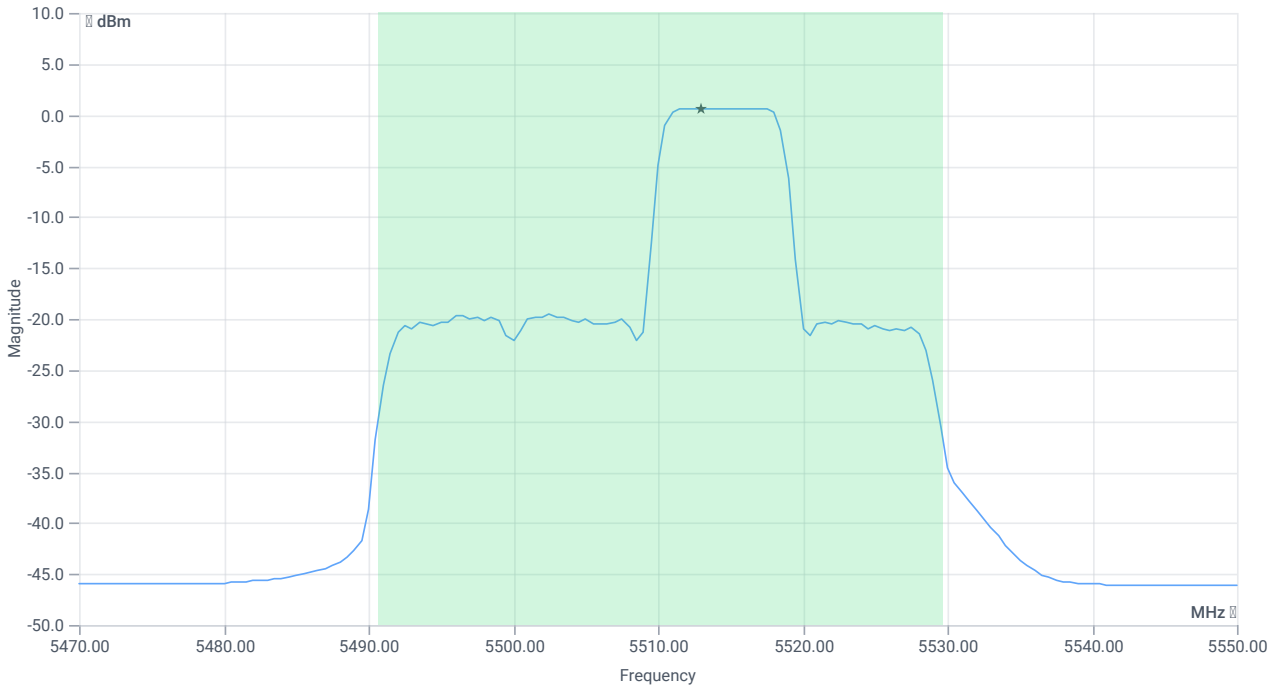
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.88	MHz	INFO
T1 26dB	---	---	5490.7200	MHz	INFO
T2 26dB	---	---	5529.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.36 | 10.94 | 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	---	---	9.65	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.65	dBm	PASS
LIMIT: 11 dBm + 10 log 38.88					
Max output power DC corrected cond	---	26.9	9.65	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.65	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	---	---	0.67	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.67	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

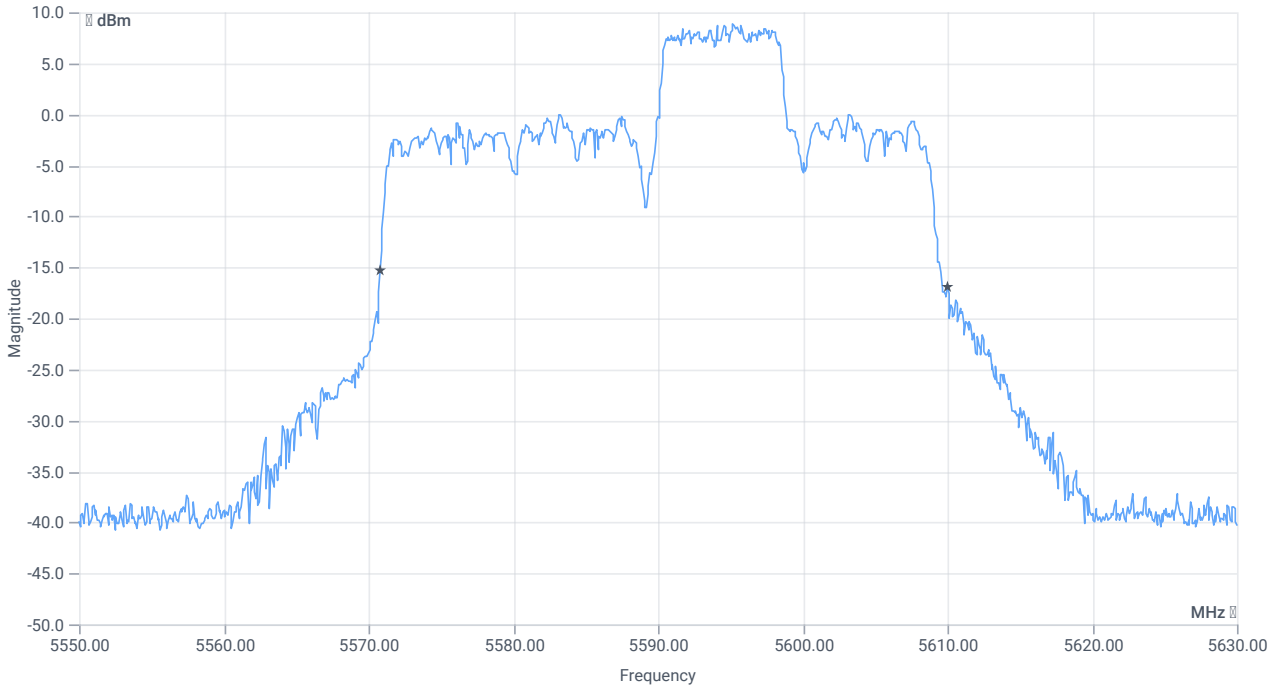
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.51	dBm	INFO
Ref. frequency	---	---	5597.590	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

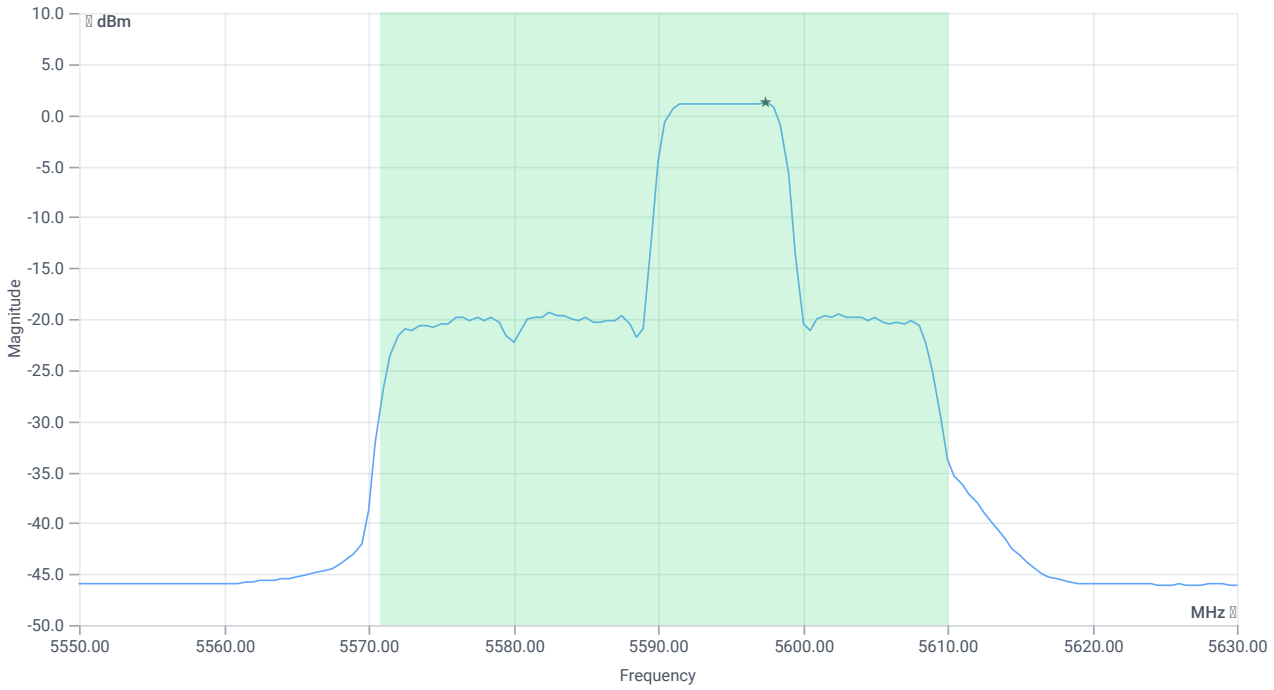
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.2	MHz	INFO
T1 26dB	---	---	5570.8000	MHz	INFO
T2 26dB	---	---	5610.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.51 | 11.06 | 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	---	---	10.12	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.12	dBm	PASS
LIMIT: 11 dBm + 10 log 39.2					
Max output power DC corrected cond	---	26.93	10.12	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.12	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	---	---	1.17	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.17	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

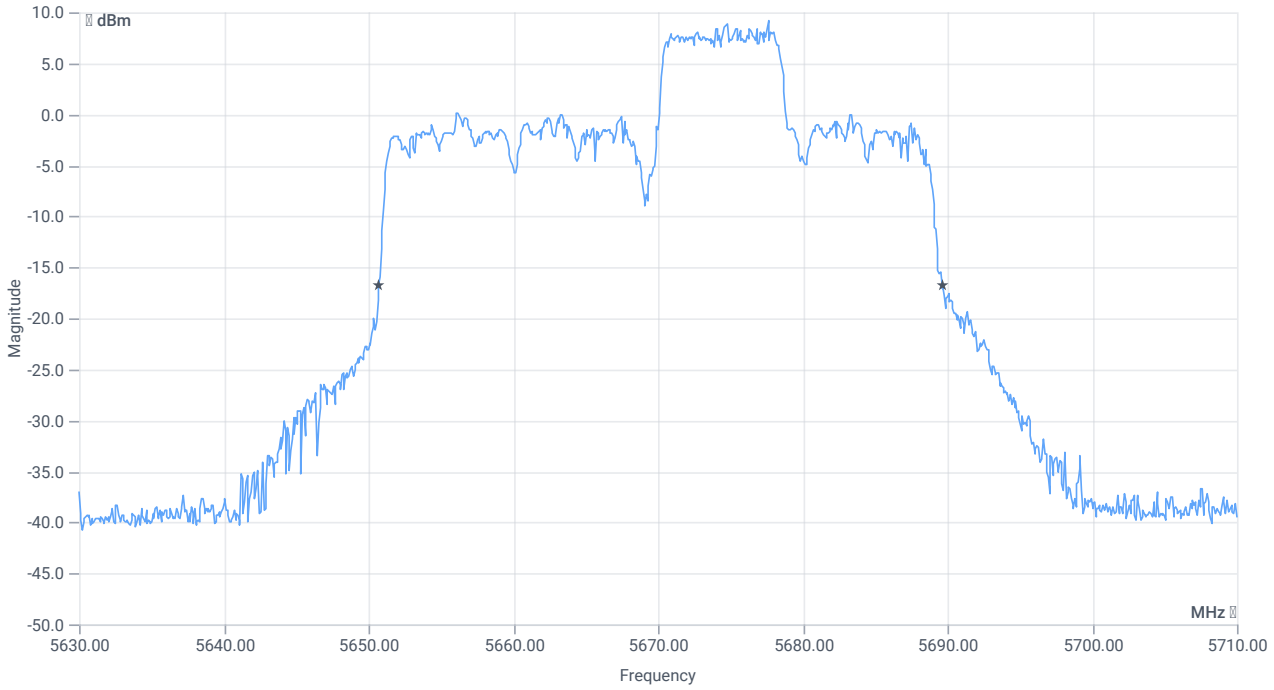
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.80	dBm	INFO
Ref. frequency	---	---	5677.590	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

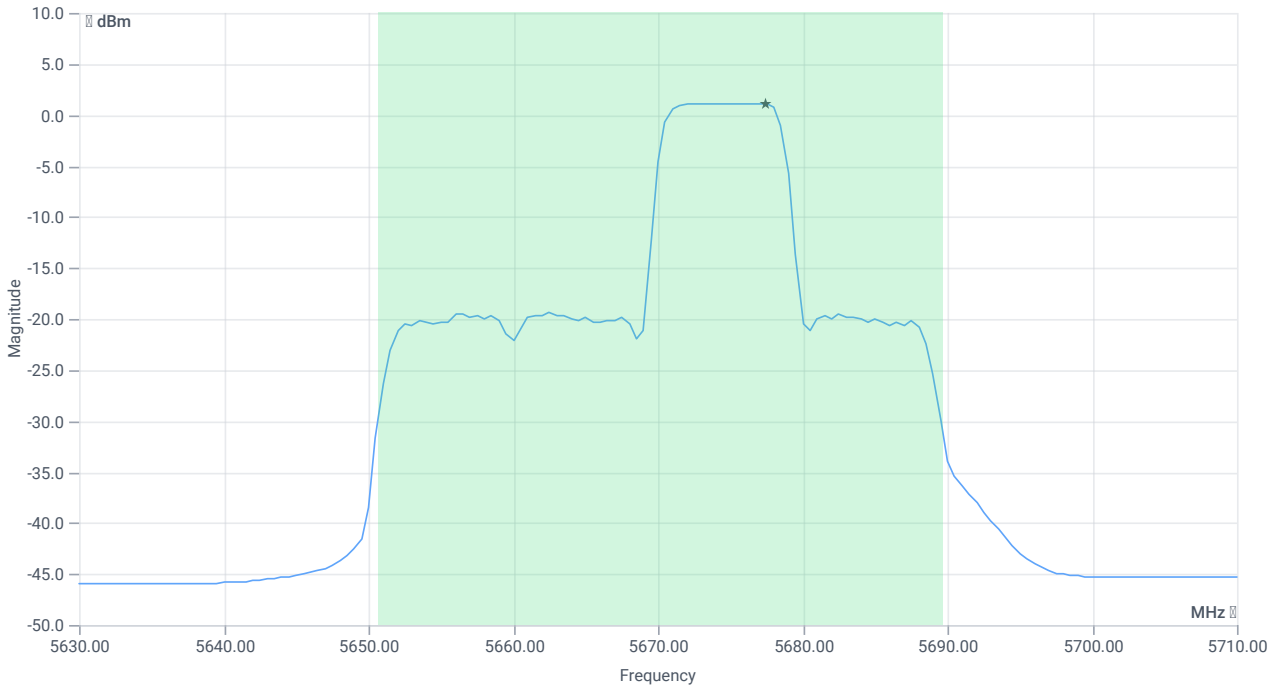
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.96	MHz	INFO
T1 26dB	---	---	5650.7200	MHz	INFO
T2 26dB	---	---	5689.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.80 | 11.09 | 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	---	---	10.06	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.06	dBm	PASS
LIMIT: 11 dBm + 10 log 38.96					
Max output power DC corrected cond	---	26.91	10.06	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.06	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	---	---	1.11	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.11	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	21.01.2026 16:59:26
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

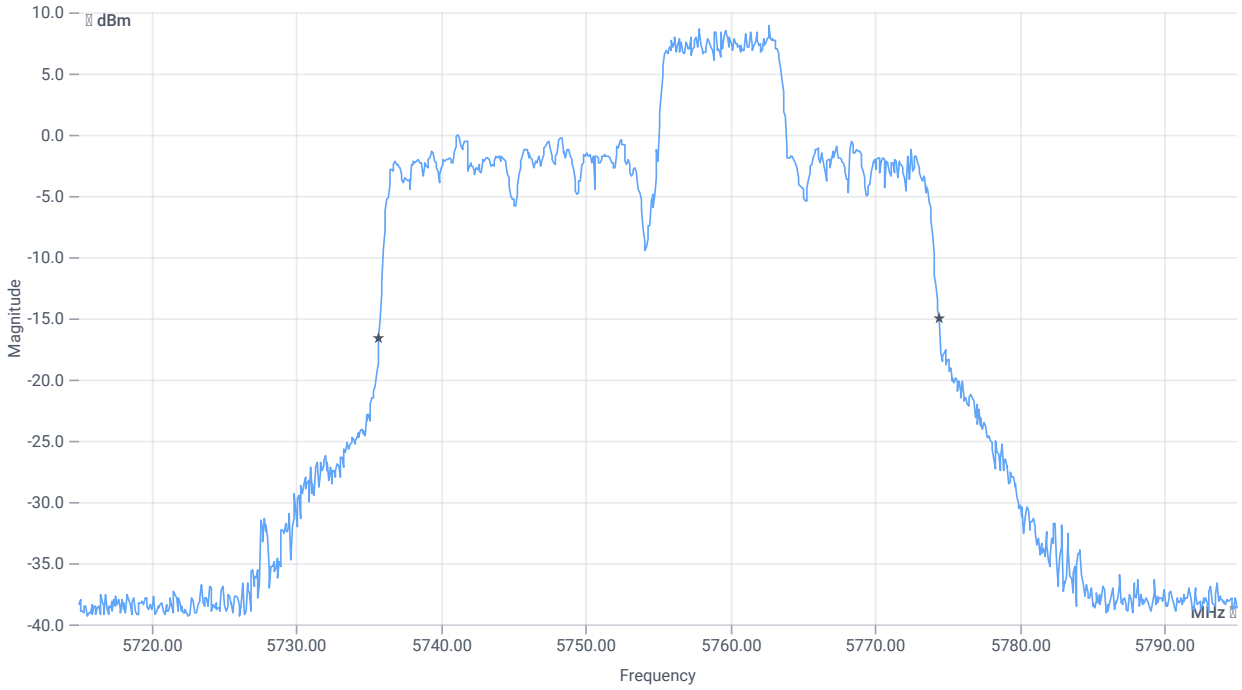
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.03	dBm	INFO
Ref. frequency	---	---	5762.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

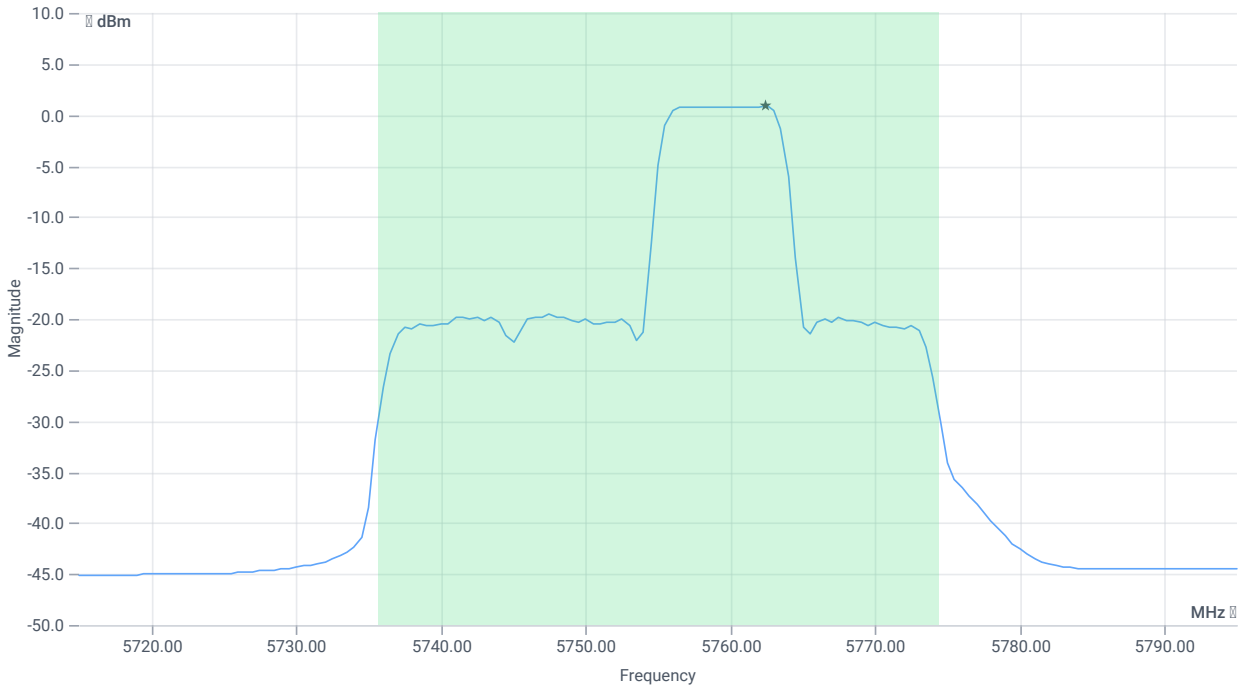
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5735.7200	MHz	INFO
T2 26dB	---	---	5774.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.03 | 11.16 | 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	---	---	9.81	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.81	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	9.81	dBm	na

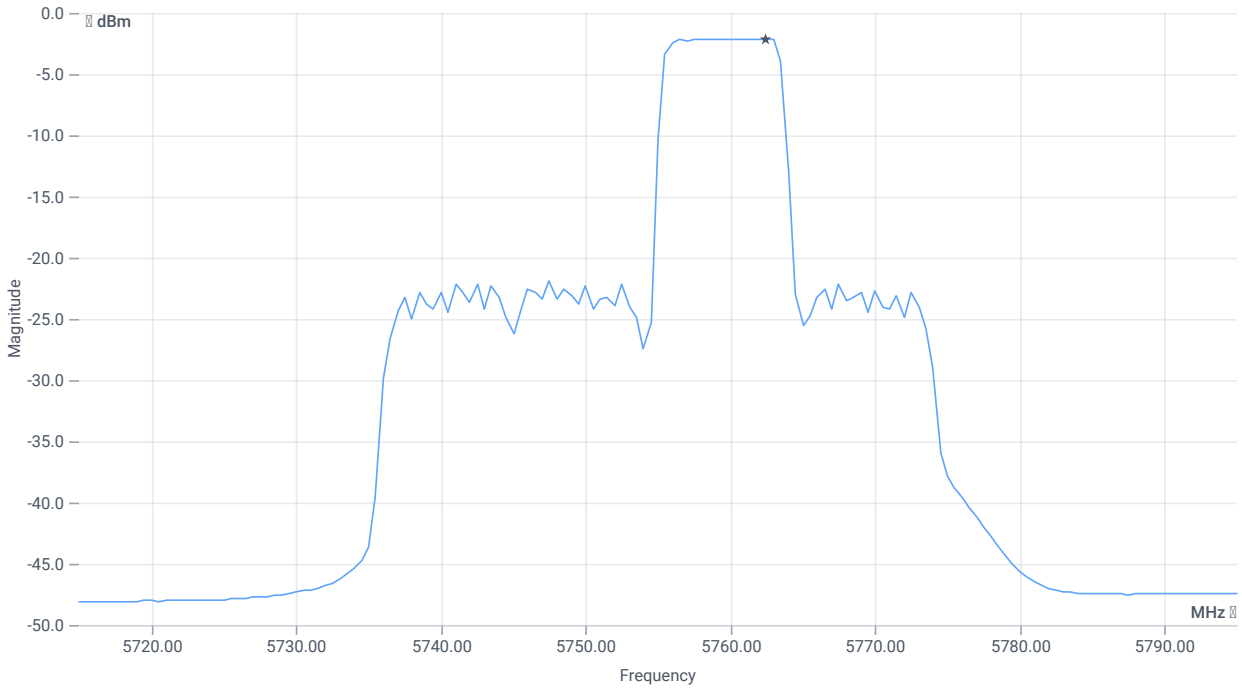
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.03 | 11.16 | 30

READ SA SETTINGS:

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	---	---	-2.1	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.1	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

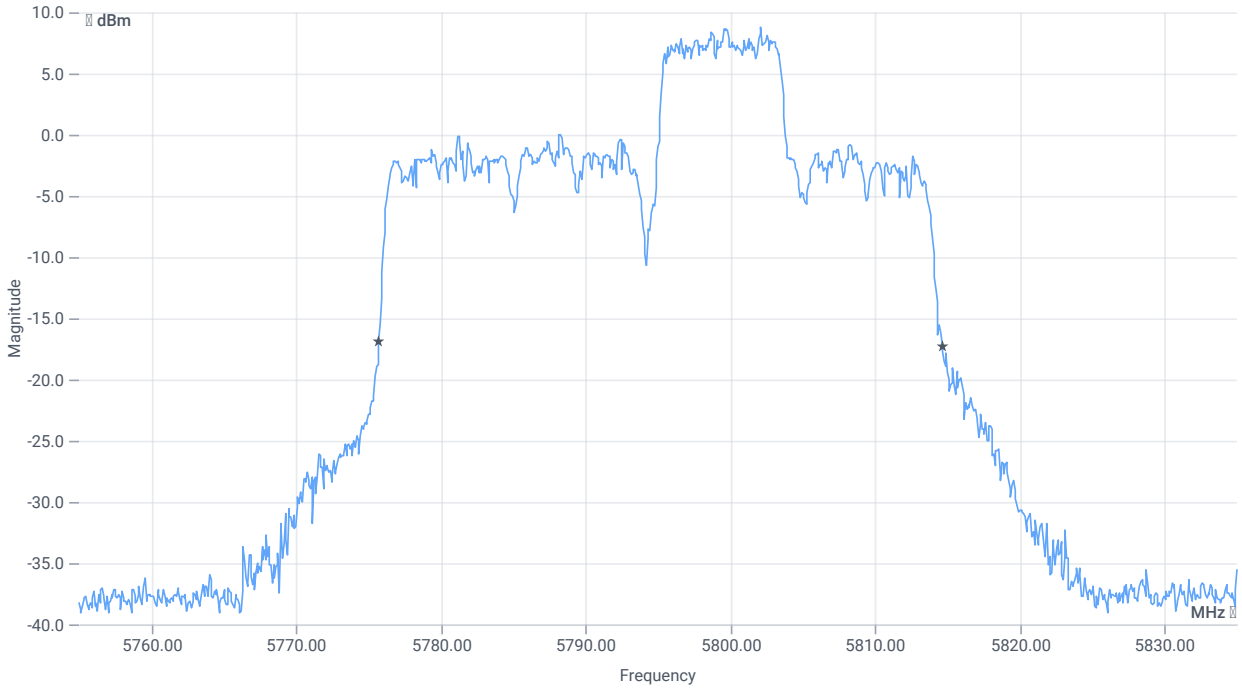
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.41	dBm	INFO
Ref. frequency	---	---	5802.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

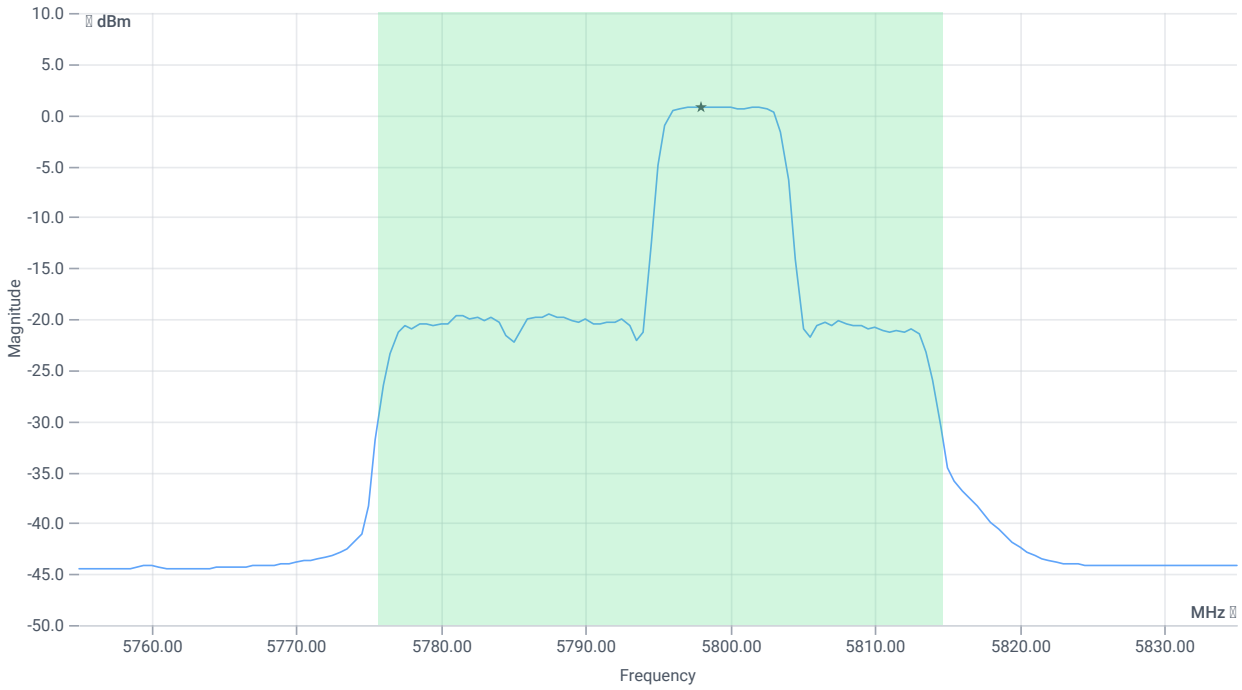
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.88	MHz	INFO
T1 26dB	---	---	5775.7200	MHz	INFO
T2 26dB	---	---	5814.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.41 | 11.36 | 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	---	---	9.71	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.71	dBm	PASS
LIMIT: 11 dBm + 10 log 38.88					
Max output power DC corrected cond	---	26.9	9.71	dBm	na

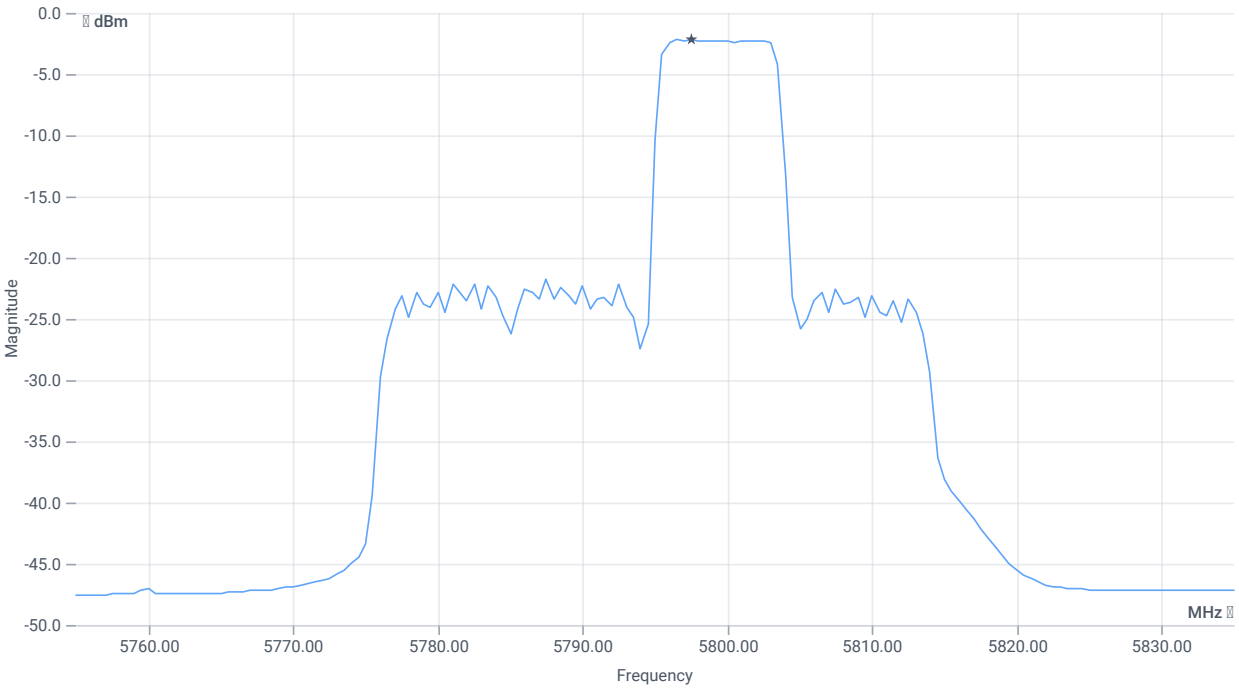
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.41 | 11.36 | 30

READ SA SETTINGS:

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	---	---	-2.2	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.2	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	22.01.2026 11:31:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

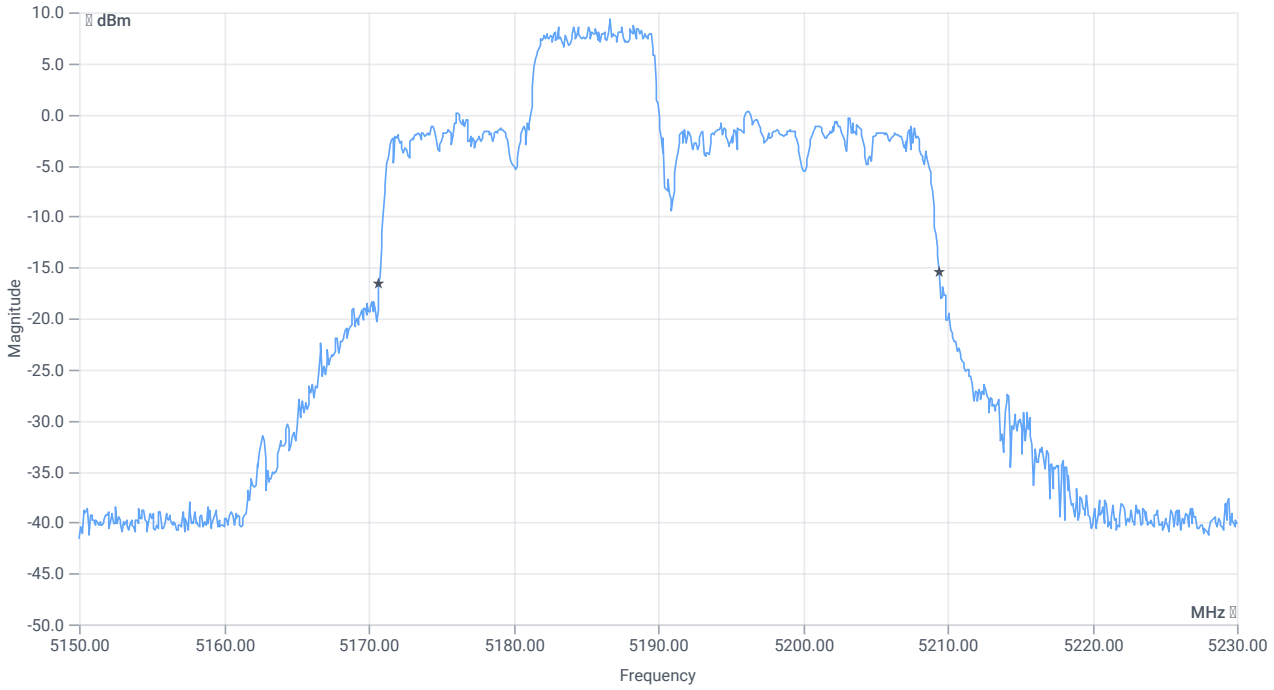
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.24	dBm	INFO
Ref. frequency	---	---	5184.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

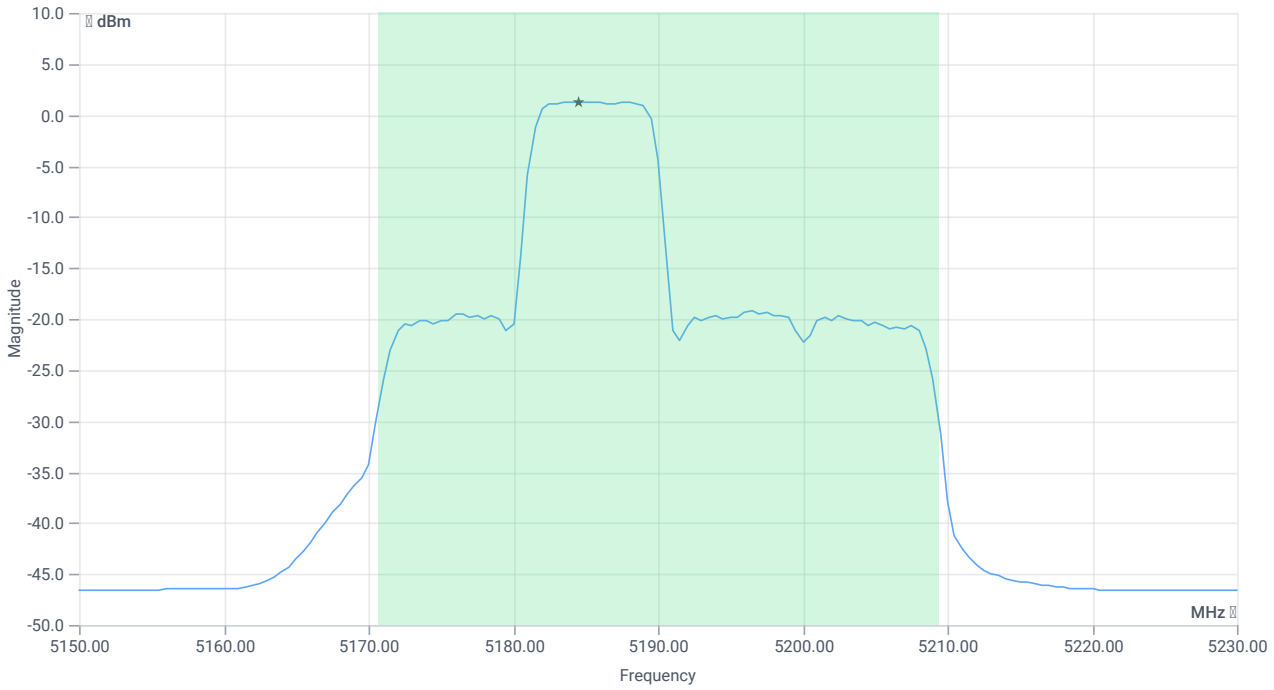
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5170.7200	MHz	INFO
T2 26dB	---	---	5209.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.24 | 10.87 | 30
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	---	---	10.17	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.17	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	10.17	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

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	dB	INFO
Power spectral density DC corrected cond	---	11	1.21	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

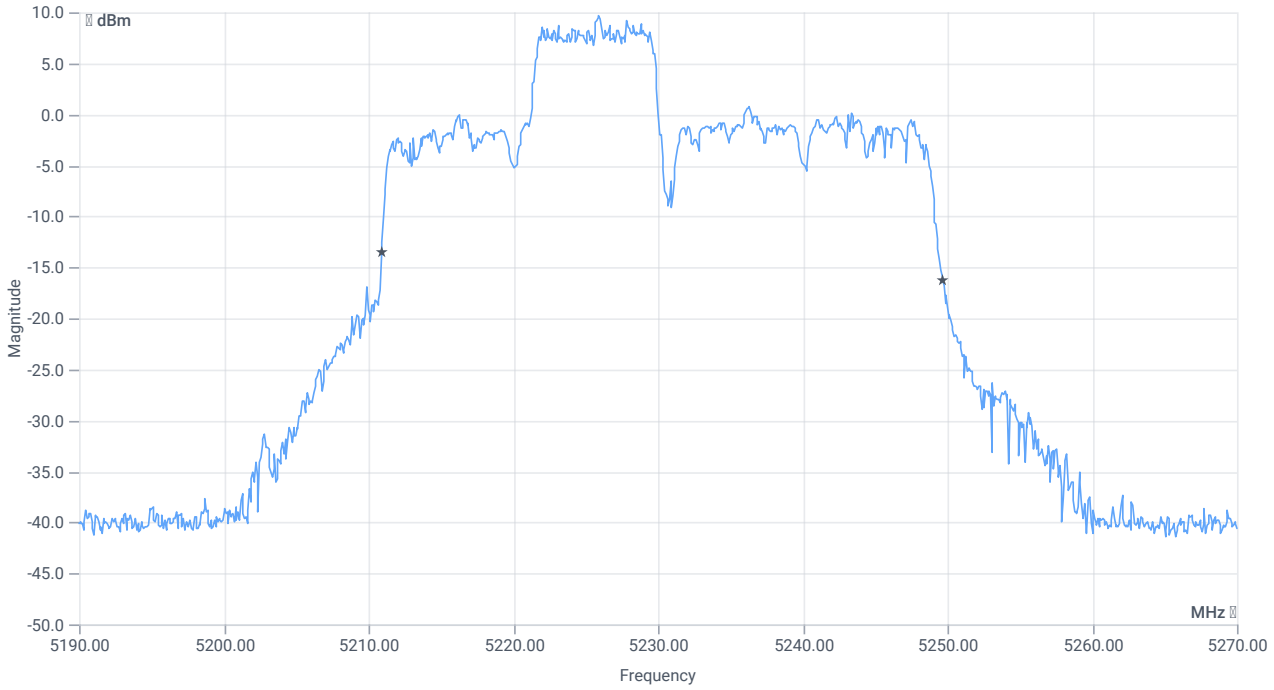
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.31	dBm	INFO
Ref. frequency	---	---	5229.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

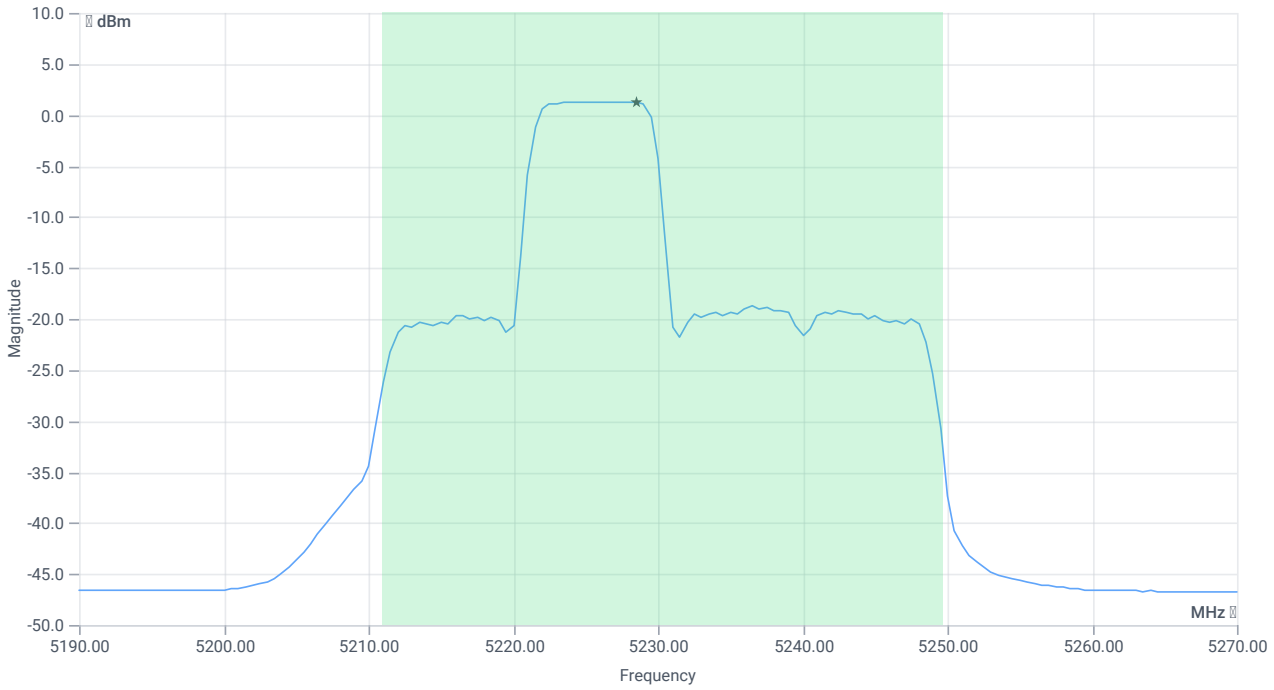
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5210.8800	MHz	INFO
T2 26dB	---	---	5249.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.31 | 10.86 | 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	---	---	10.23	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.23	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.23	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.32	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.32	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	22.01.2026 11:35:07
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

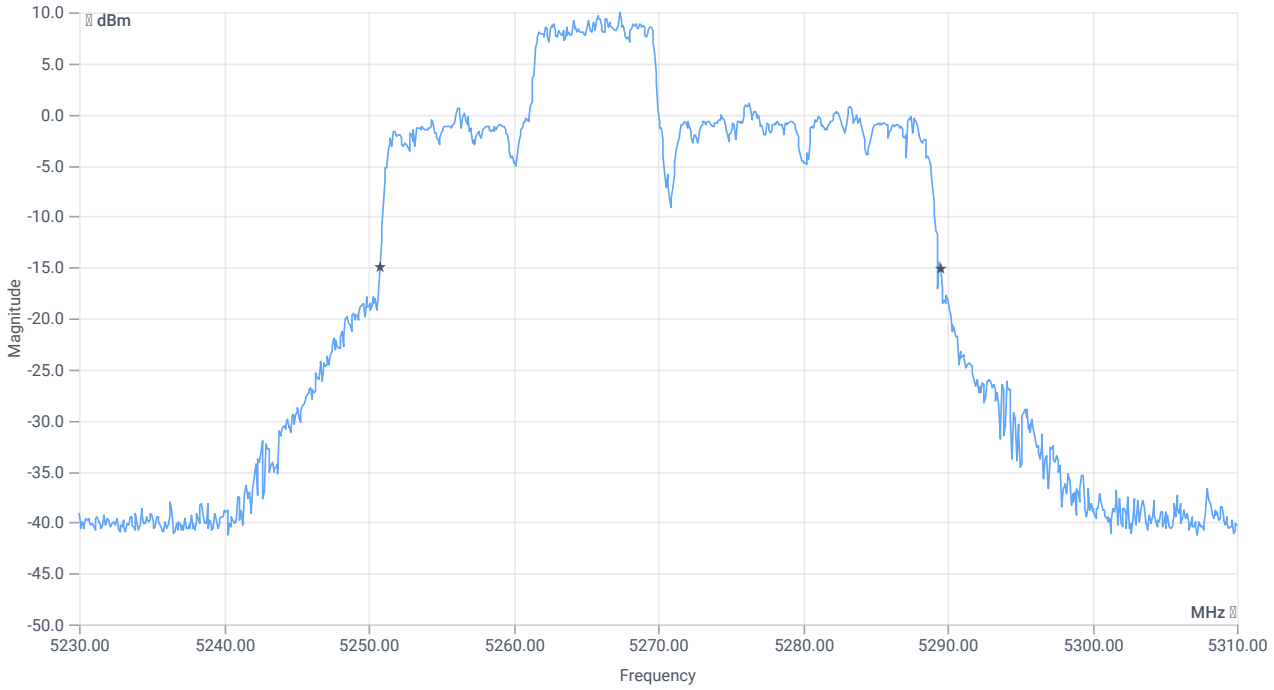
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.85	dBm	INFO
Ref. frequency	---	---	5266.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5250.8000	MHz	INFO
T2 26dB	---	---	5289.5200	MHz	INFO

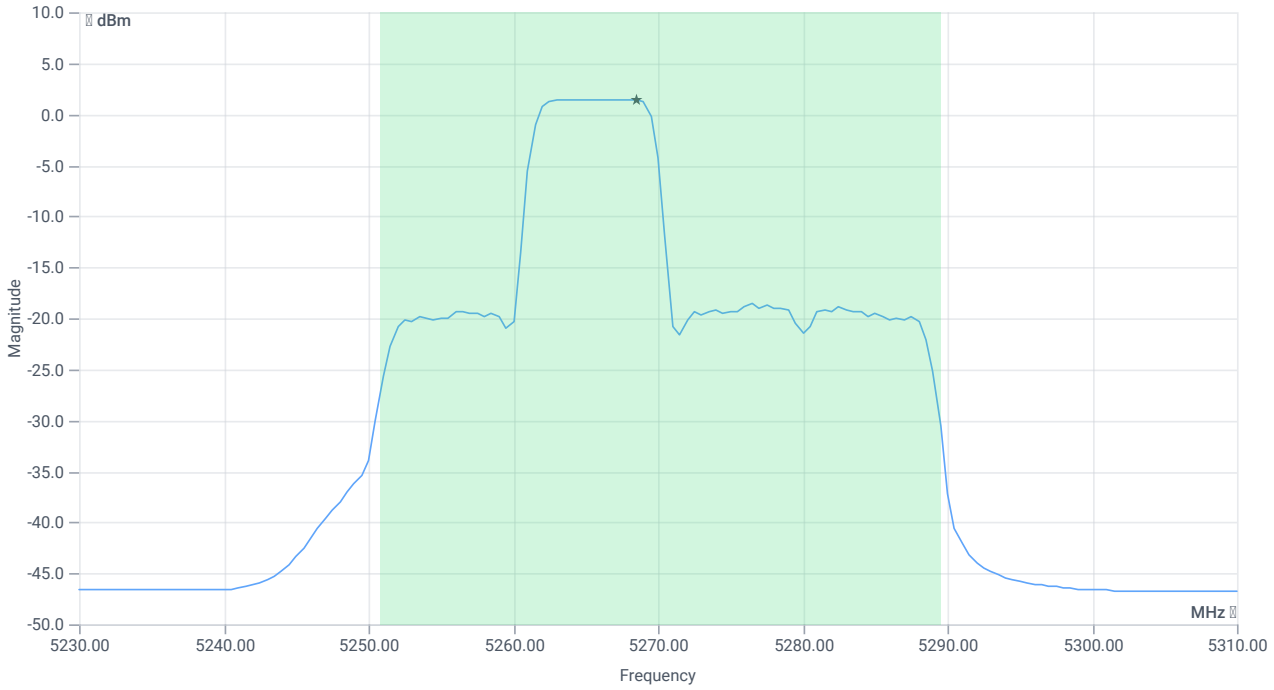
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.85 | 10.84 | 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	---	---	10.41	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.41	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	10.41	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.41	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	---	---	1.44	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.44	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

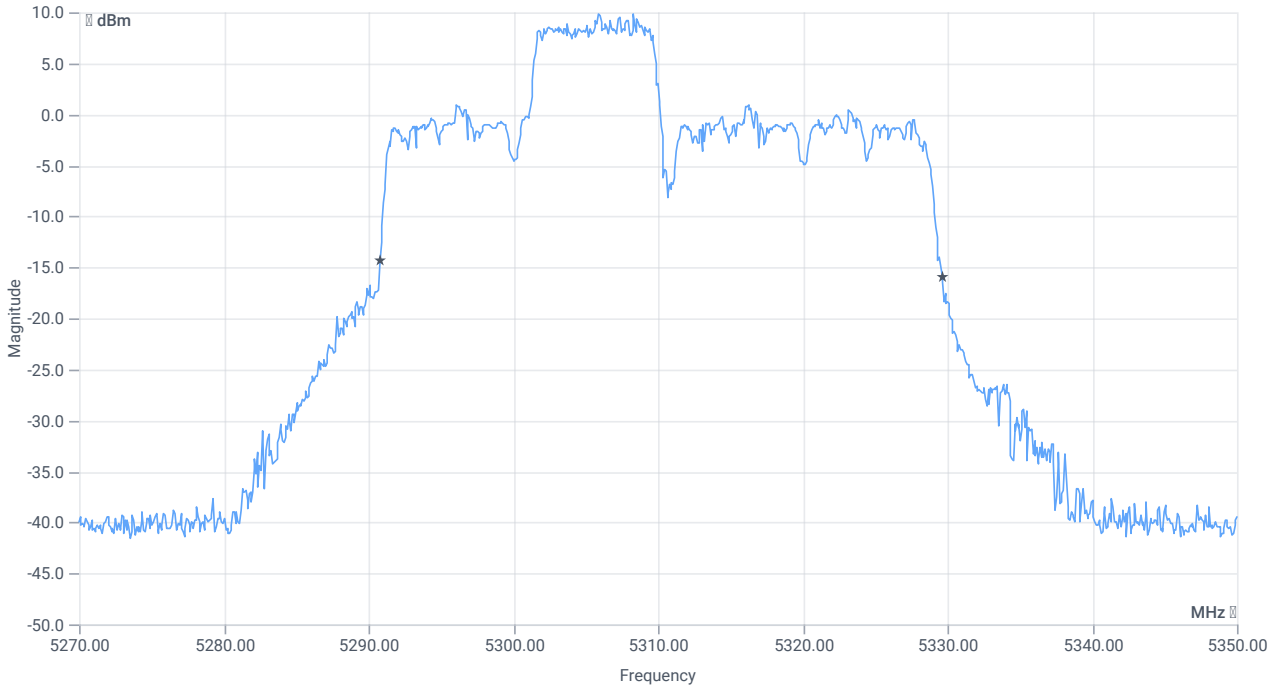
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.51	dBm	INFO
Ref. frequency	---	---	5307.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5290.8000	MHz	INFO
T2 26dB	---	---	5329.6000	MHz	INFO

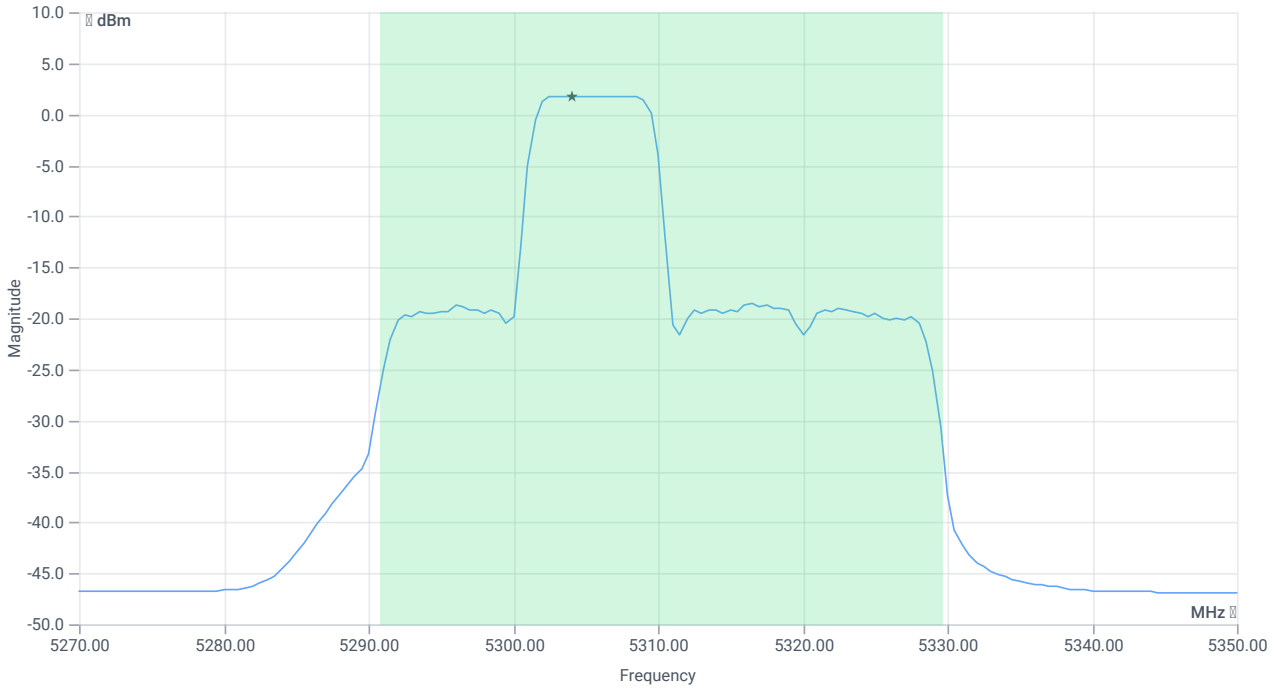
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.51 | 10.79 | 30
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	---	---	10.74	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.74	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.74	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.74	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	---	---	1.8	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.8	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	22.01.2026 13:01:55
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

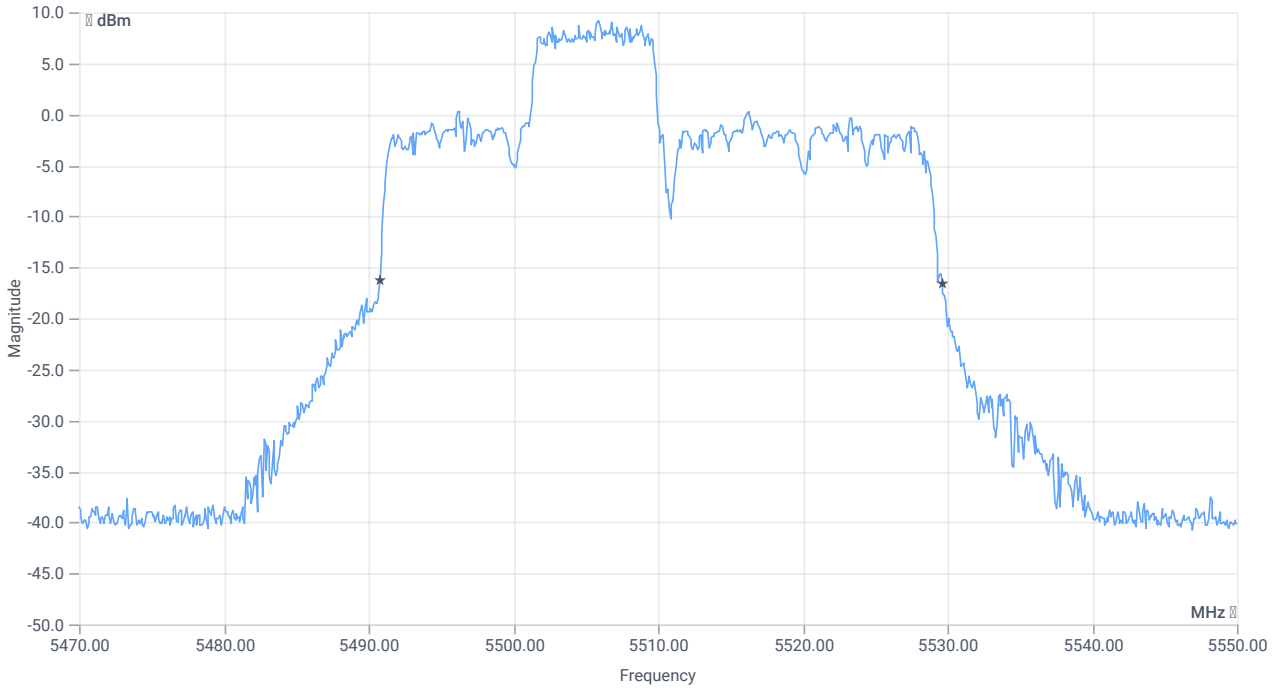
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.44	dBm	INFO
Ref. frequency	---	---	5508.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

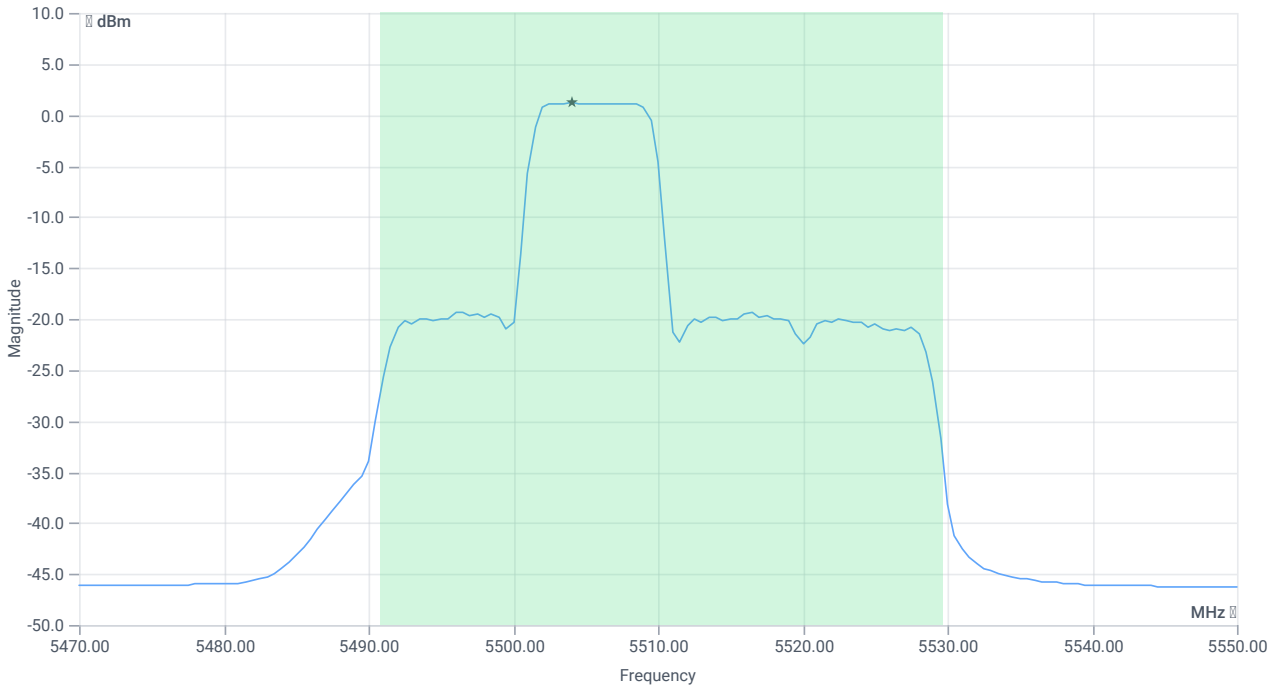
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5490.8000	MHz	INFO
T2 26dB	---	---	5529.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.44 | 10.94 | 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	---	---	10.12	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.12	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.12	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.12	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	---	---	1.17	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.17	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

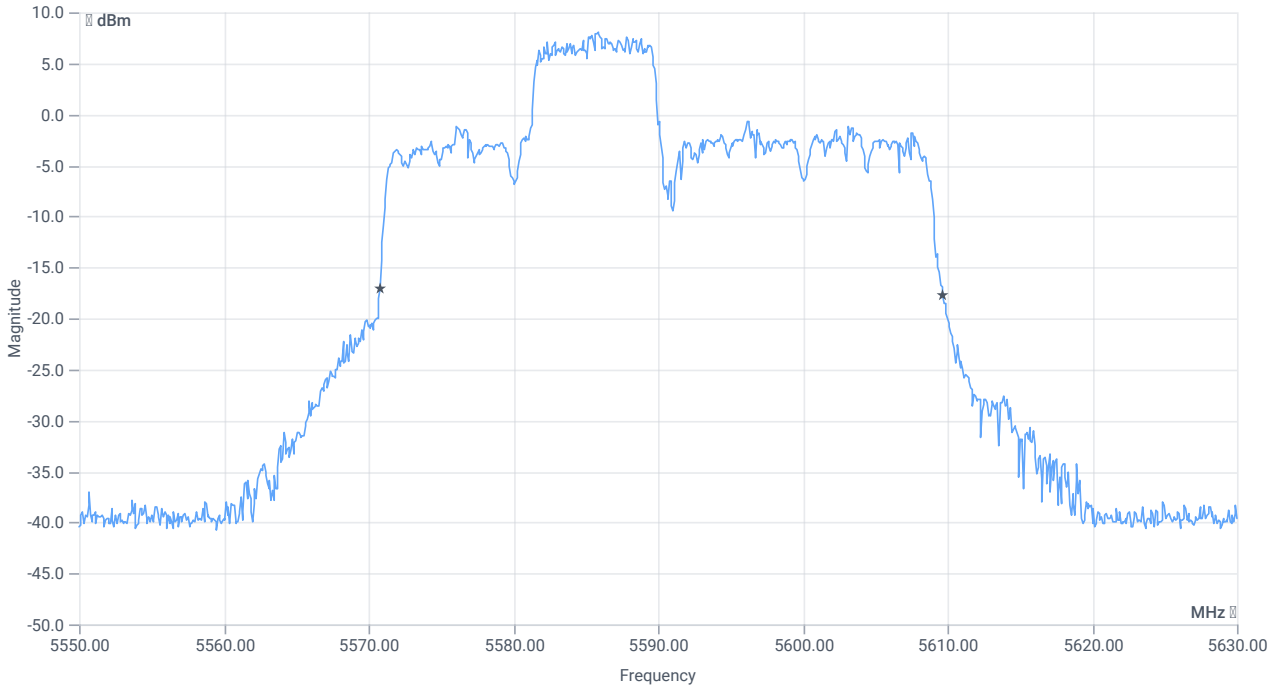
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.10	dBm	INFO
Ref. frequency	---	---	5586.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

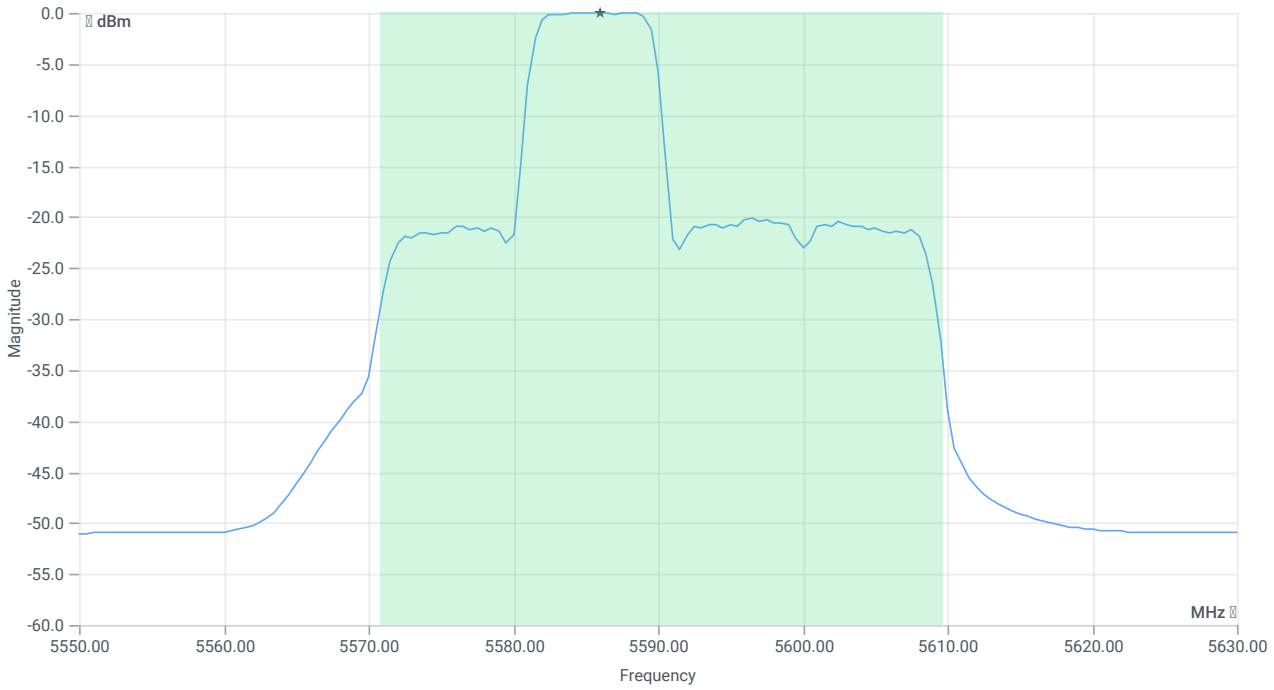
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.88	MHz	INFO
T1 26dB	---	---	5570.8000	MHz	INFO
T2 26dB	---	---	5609.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.10 | 11.06 | 25
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	---	---	8.94	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.94	dBm	PASS
LIMIT: 11 dBm + 10 log 38.88					
Max output power DC corrected cond	---	26.9	8.94	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.94	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	---	---	-0.03	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.03	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

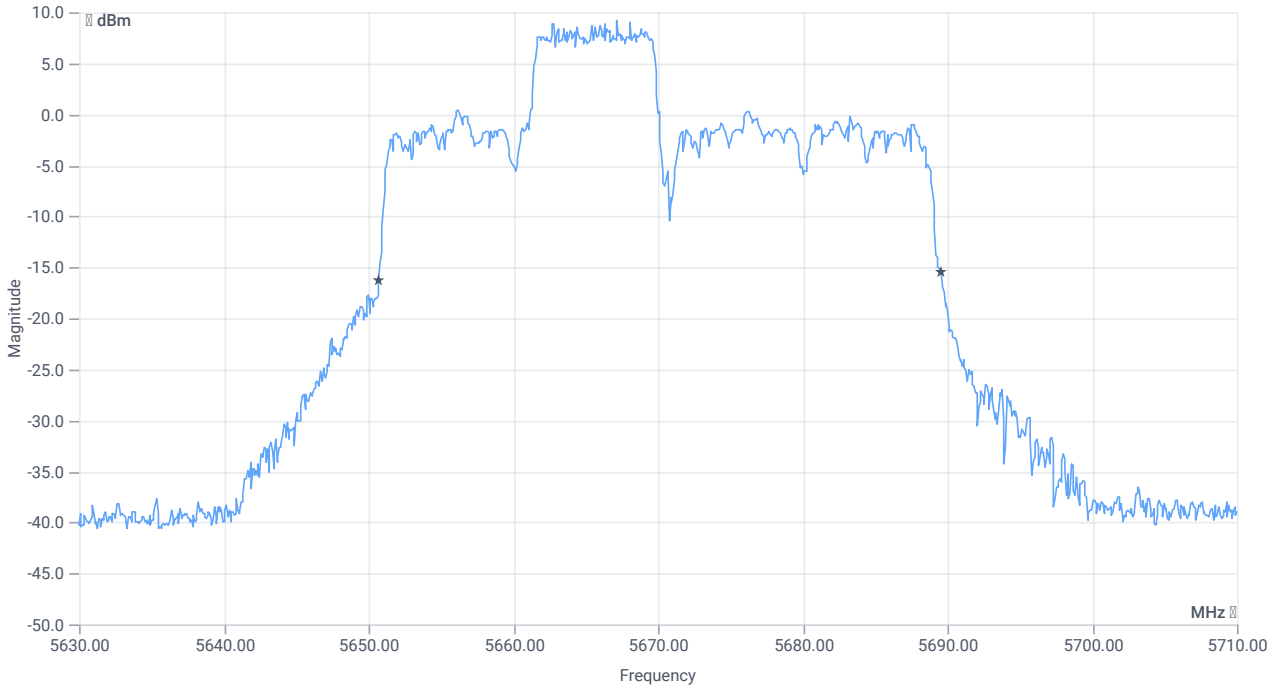
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.43	dBm	INFO
Ref. frequency	---	---	5665.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

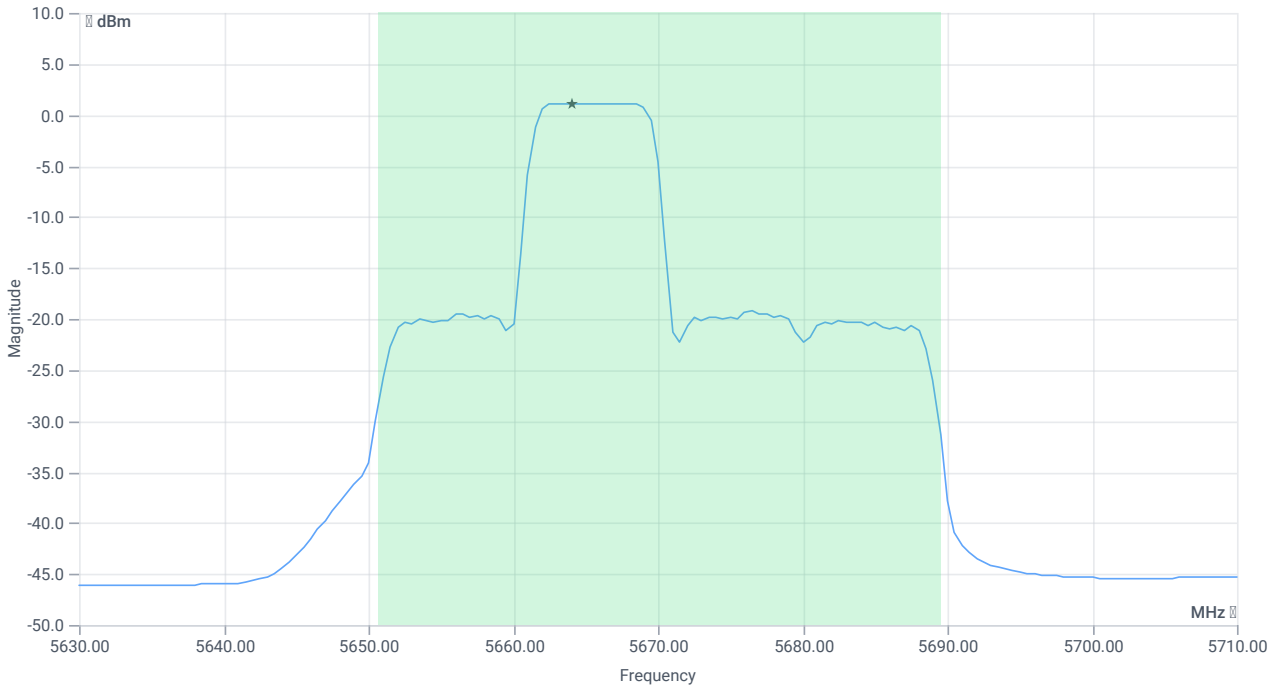
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5650.7200	MHz	INFO
T2 26dB	---	---	5689.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.43 | 11.09 | 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	---	---	10.07	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.07	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	10.07	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.07	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	---	---	1.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.09	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	22.01.2026 13:07:23
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

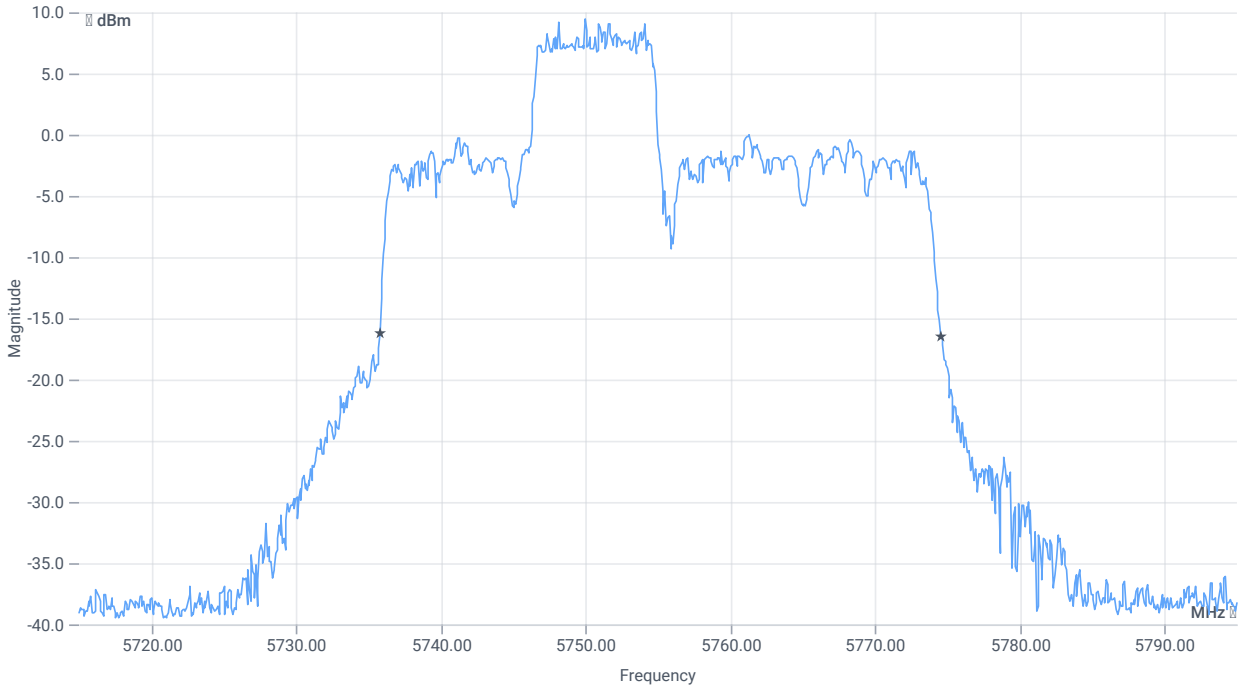
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.92	dBm	INFO
Ref. frequency	---	---	5750.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

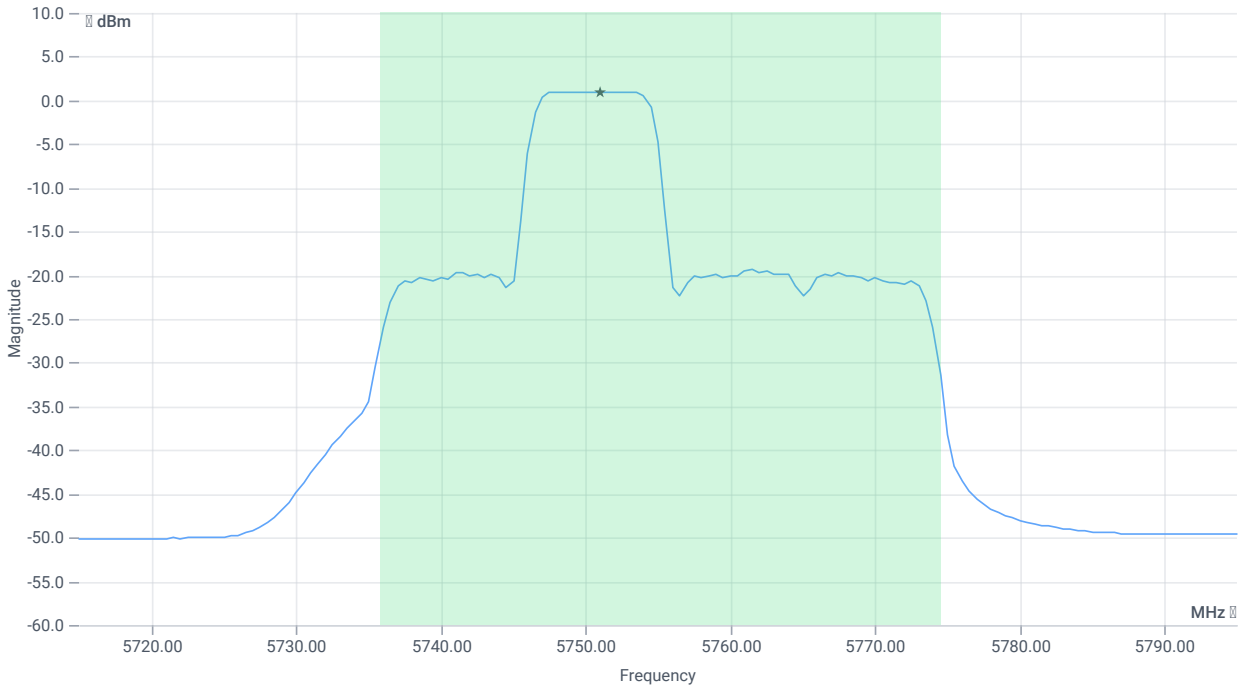
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.72	MHz	INFO
T1 26dB	---	---	5735.8000	MHz	INFO
T2 26dB	---	---	5774.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.92 | 11.16 | 25
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	---	---	9.88	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.88	dBm	PASS
LIMIT: 11 dBm + 10 log 38.72					
Max output power DC corrected cond	---	26.88	9.88	dBm	na

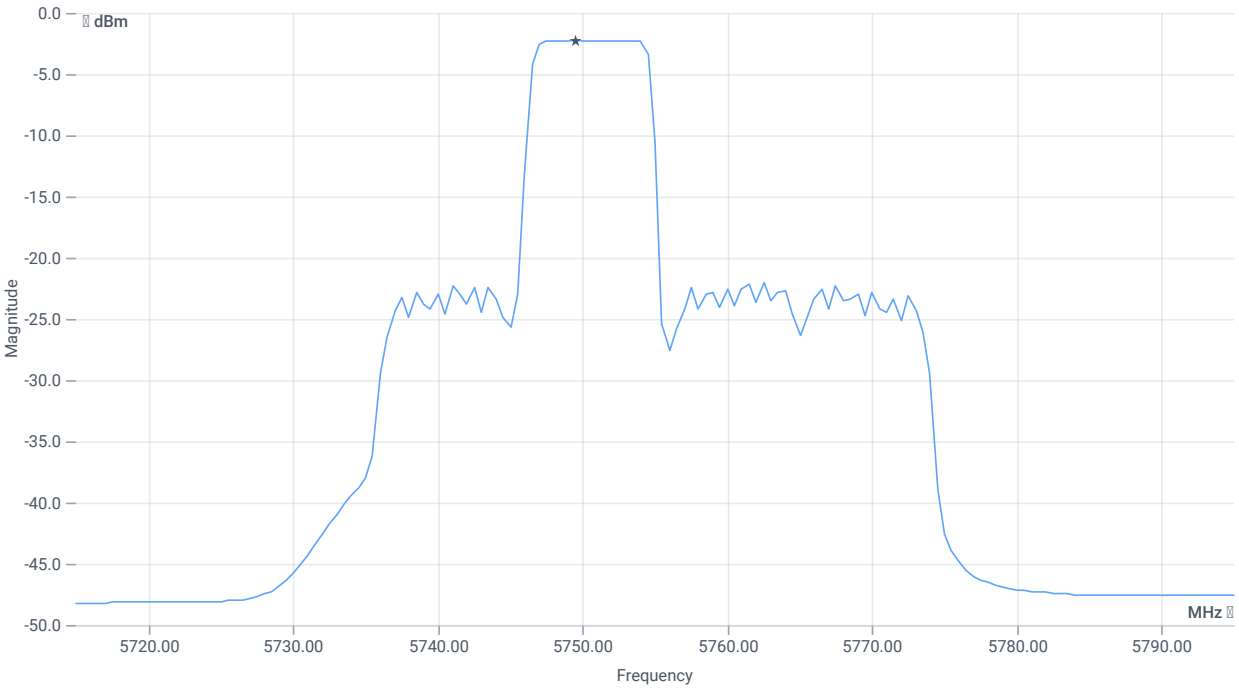
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.92 | 11.16 | 30

READ SA SETTINGS:

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	---	---	-2.23	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.23	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

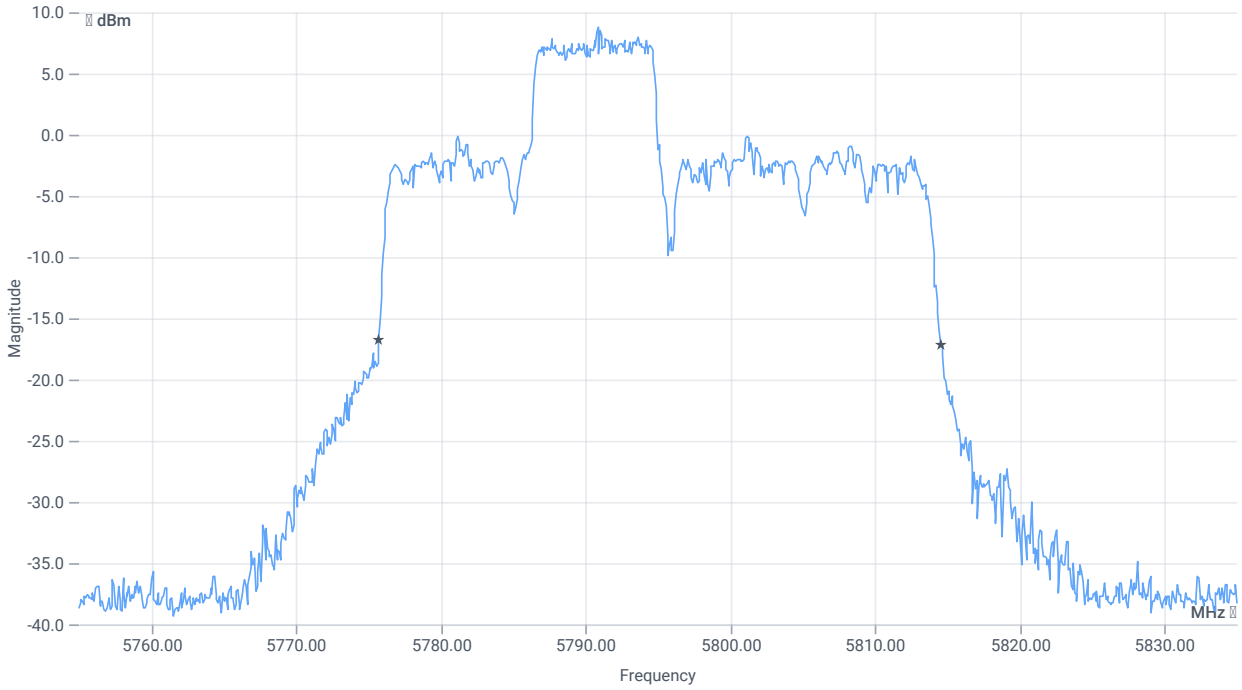
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.16	dBm	INFO
Ref. frequency	---	---	5792.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

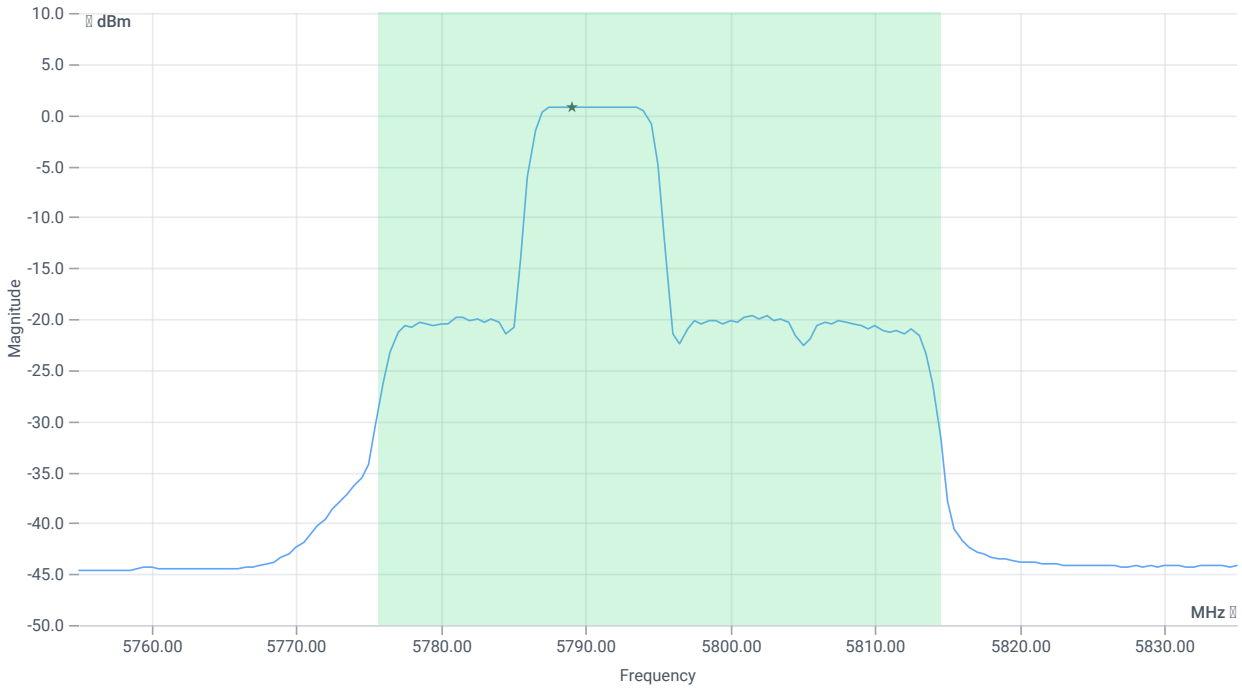
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.8	MHz	INFO
T1 26dB	---	---	5775.7200	MHz	INFO
T2 26dB	---	---	5814.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.16 | 11.36 | 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	---	---	9.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.78	dBm	PASS
LIMIT: 11 dBm + 10 log 38.8					
Max output power DC corrected cond	---	26.89	9.78	dBm	na

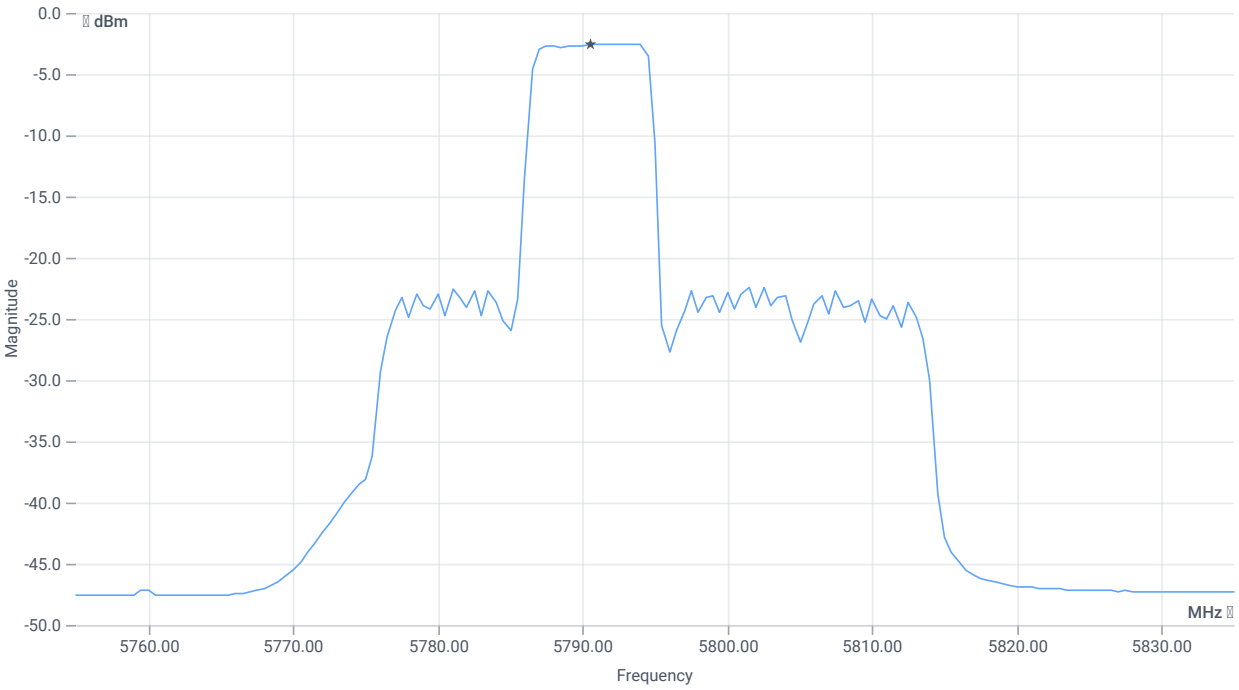
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.16 | 11.36 | 30

READ SA SETTINGS:

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	---	---	-2.51	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.51	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	22.01.2026 13:14:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

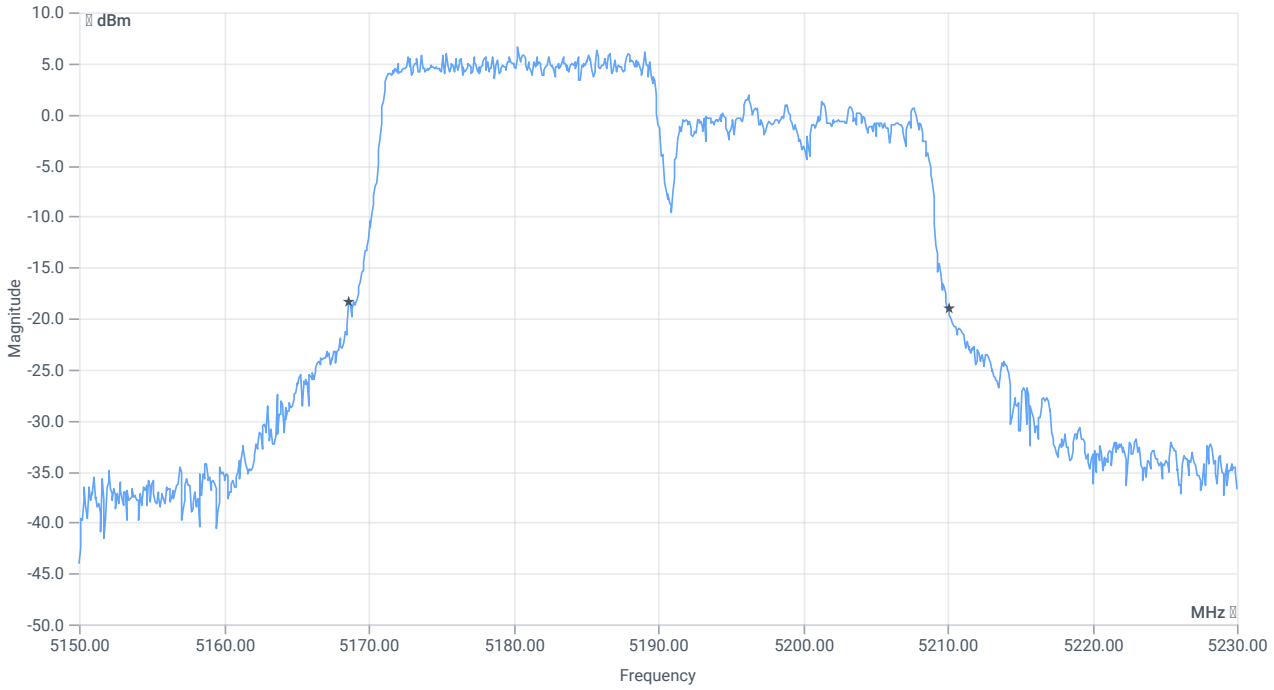
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.65	dBm	INFO
Ref. frequency	---	---	5180.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

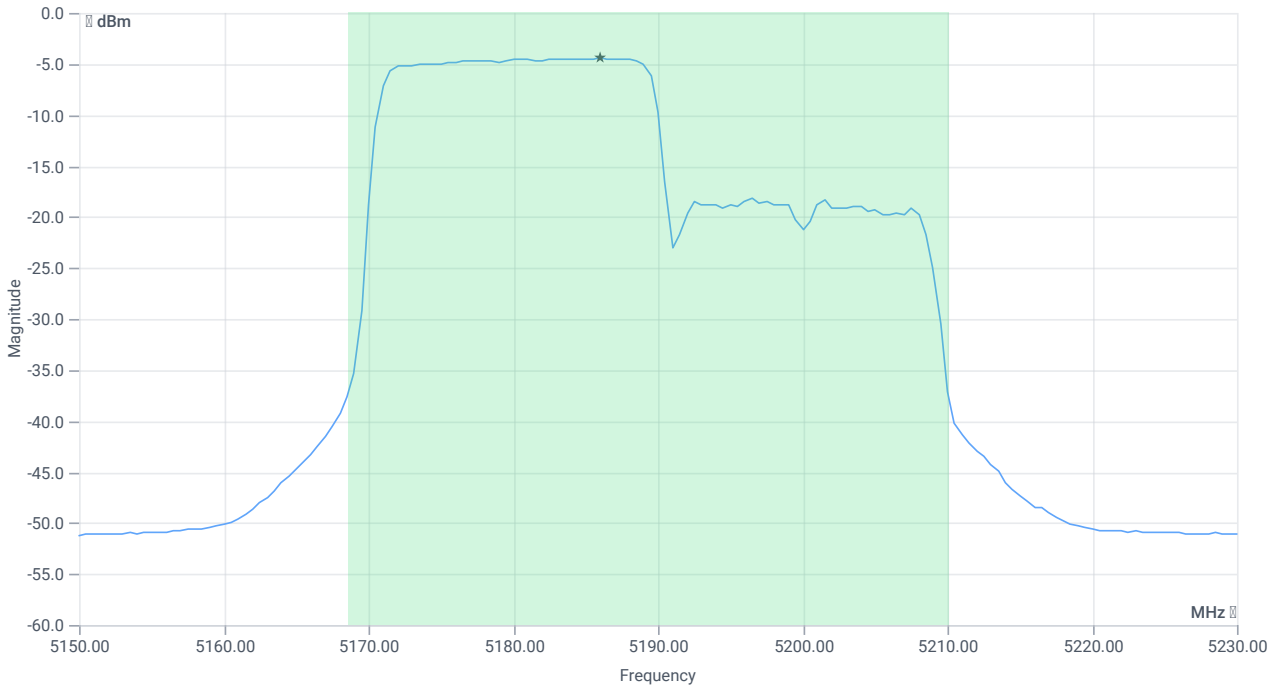
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.44	MHz	INFO
T1 26dB	---	---	5168.6400	MHz	INFO
T2 26dB	---	---	5210.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.65 | 10.87 | 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	---	---	7.87	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.87	dBm	PASS
LIMIT: 11 dBm + 10 log 41.44					
Max output power DC corrected cond	---	27.17	7.87	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.45	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

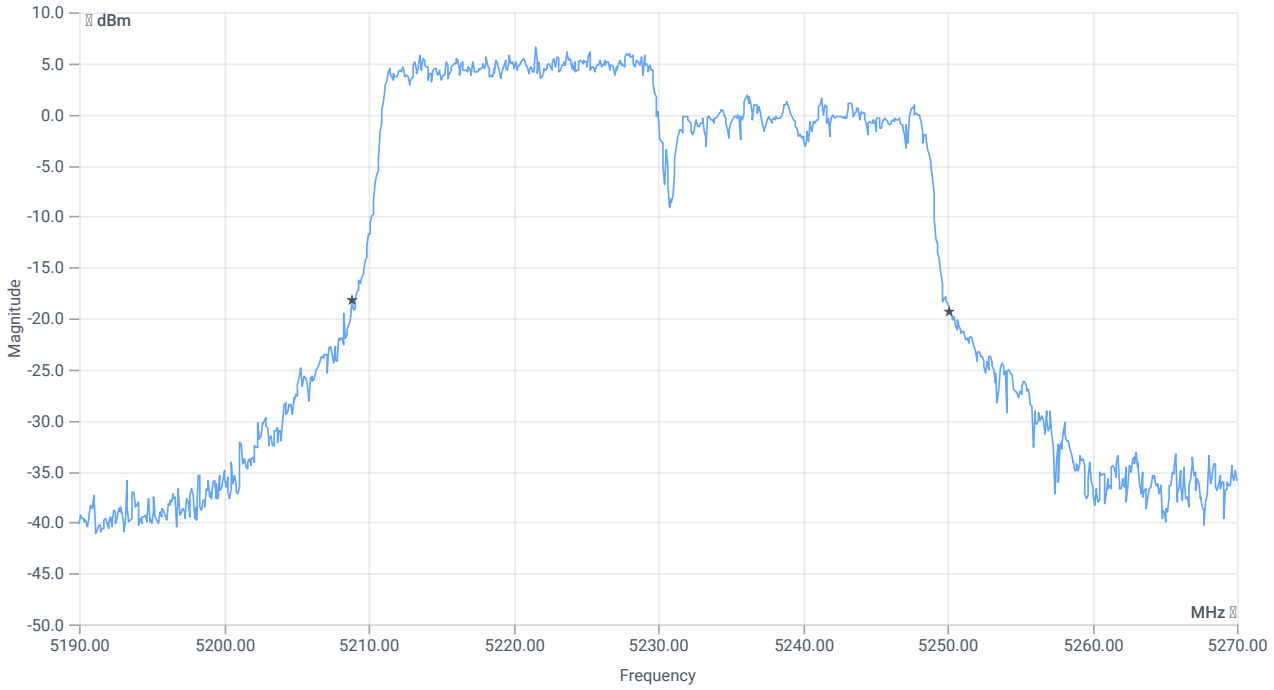
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.36	dBm	INFO
Ref. frequency	---	---	5224.010	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

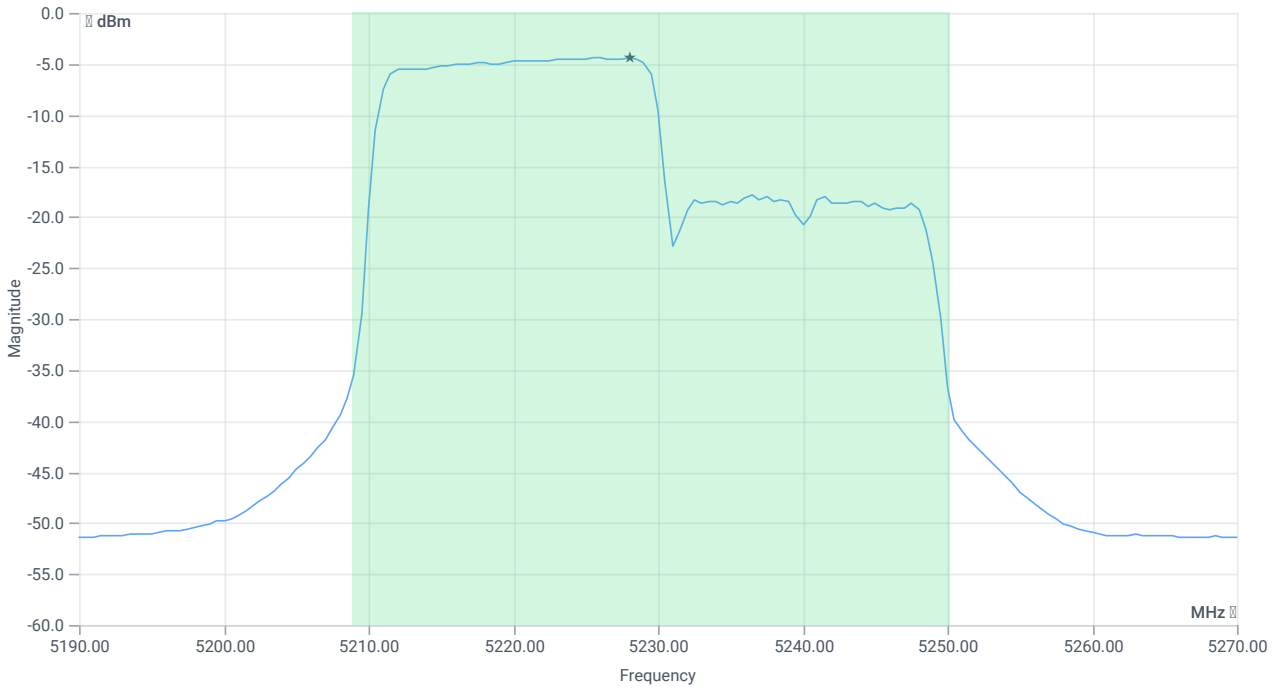
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5208.8000	MHz	INFO
T2 26dB	---	---	5250.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.36 | 10.86 | 25
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	---	---	7.77	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.77	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.77	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.44	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.44	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	22.01.2026 13:17:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

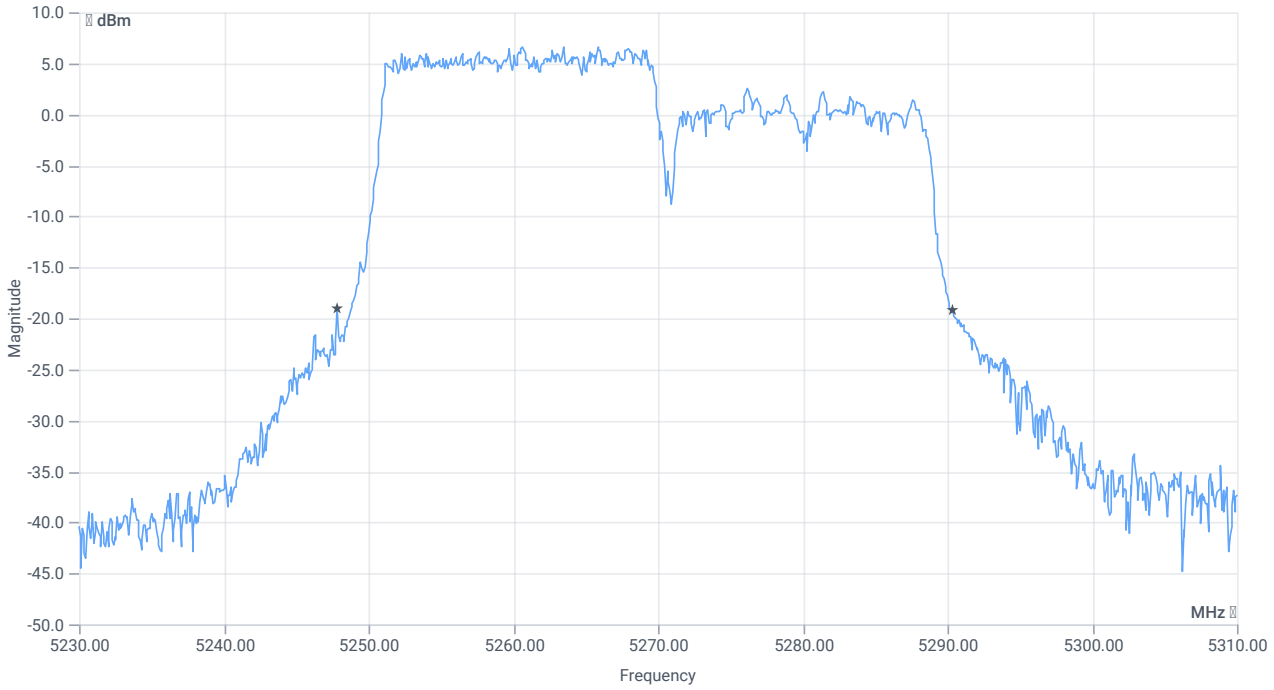
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.59	dBm	INFO
Ref. frequency	---	---	5266.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.56	MHz	INFO
T1 26dB	---	---	5247.8400	MHz	INFO
T2 26dB	---	---	5290.4000	MHz	INFO

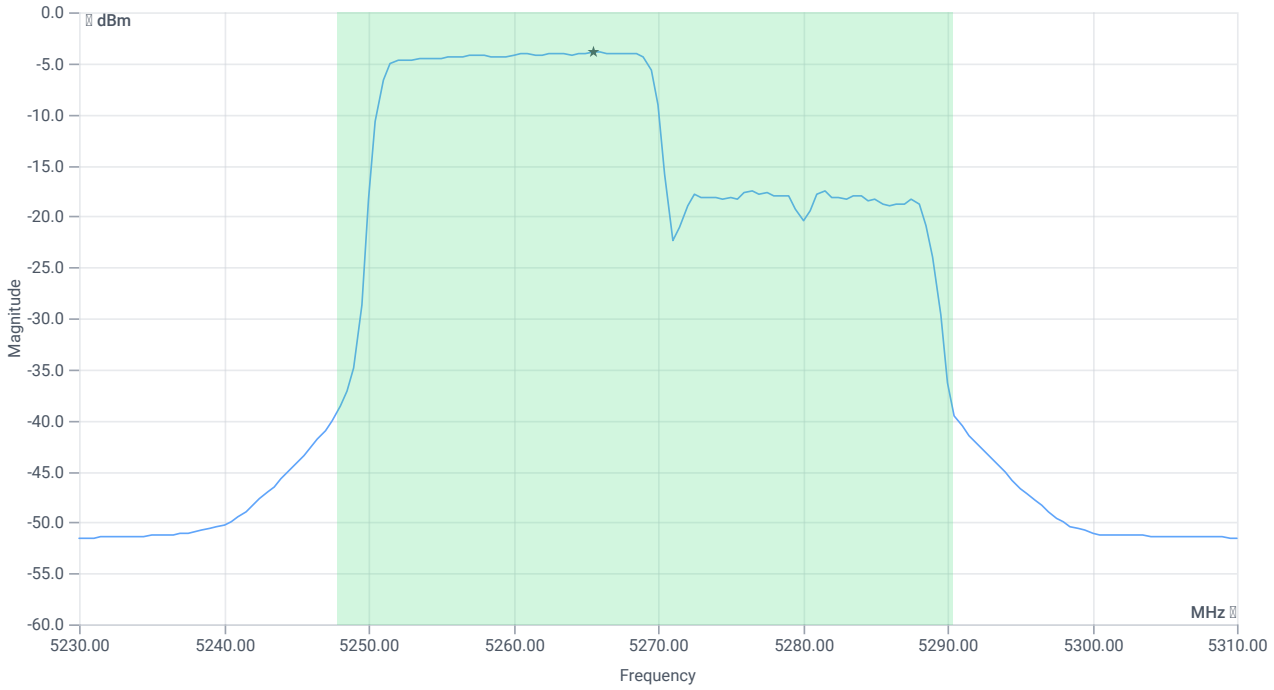
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.59 | 10.84 | 25
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	---	---	8.37	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.37	dBm	PASS
LIMIT: 11 dBm + 10 log 42.56					
Max output power DC corrected cond	---	27.29	8.37	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.37	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	---	---	-3.93	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.93	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

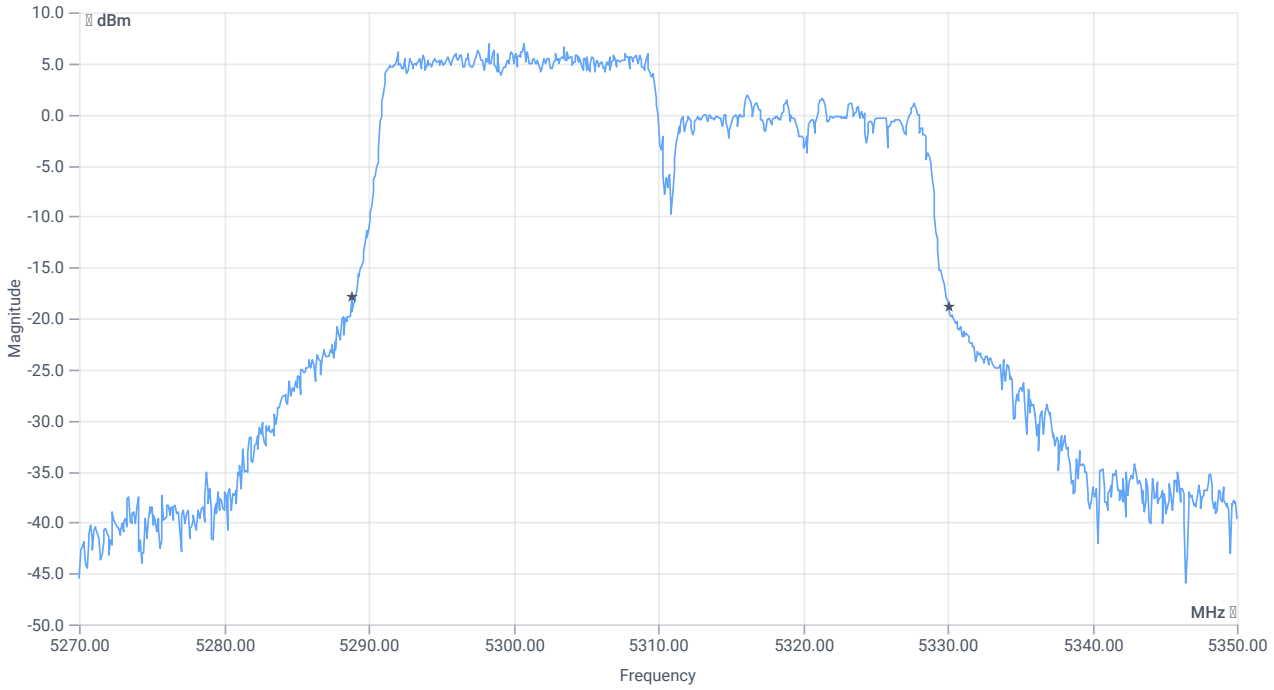
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.50	dBm	INFO
Ref. frequency	---	---	5300.810	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.28	MHz	INFO
T1 26dB	---	---	5288.8000	MHz	INFO
T2 26dB	---	---	5330.0800	MHz	INFO

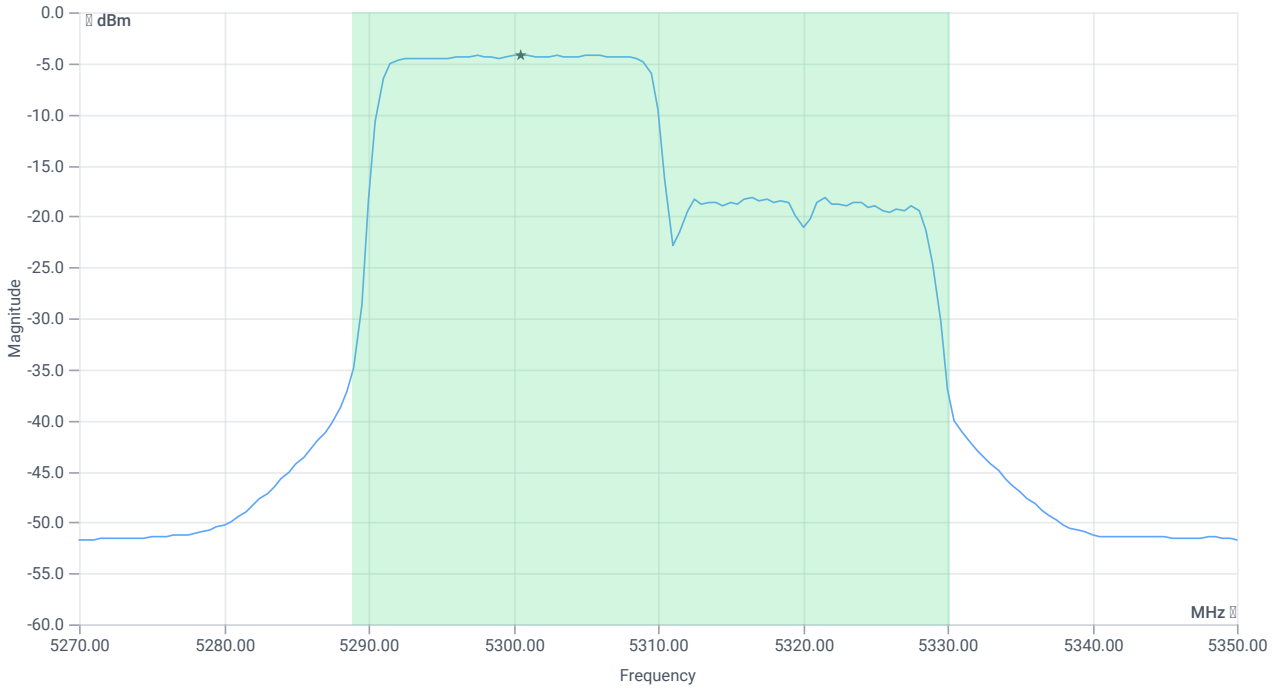
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.50 | 10.79 | 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	---	---	8.2	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.2	dBm	PASS
LIMIT: 11 dBm + 10 log 41.28					
Max output power DC corrected cond	---	27.16	8.2	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.2	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	---	---	-4.24	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.24	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	22.01.2026 13:21:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

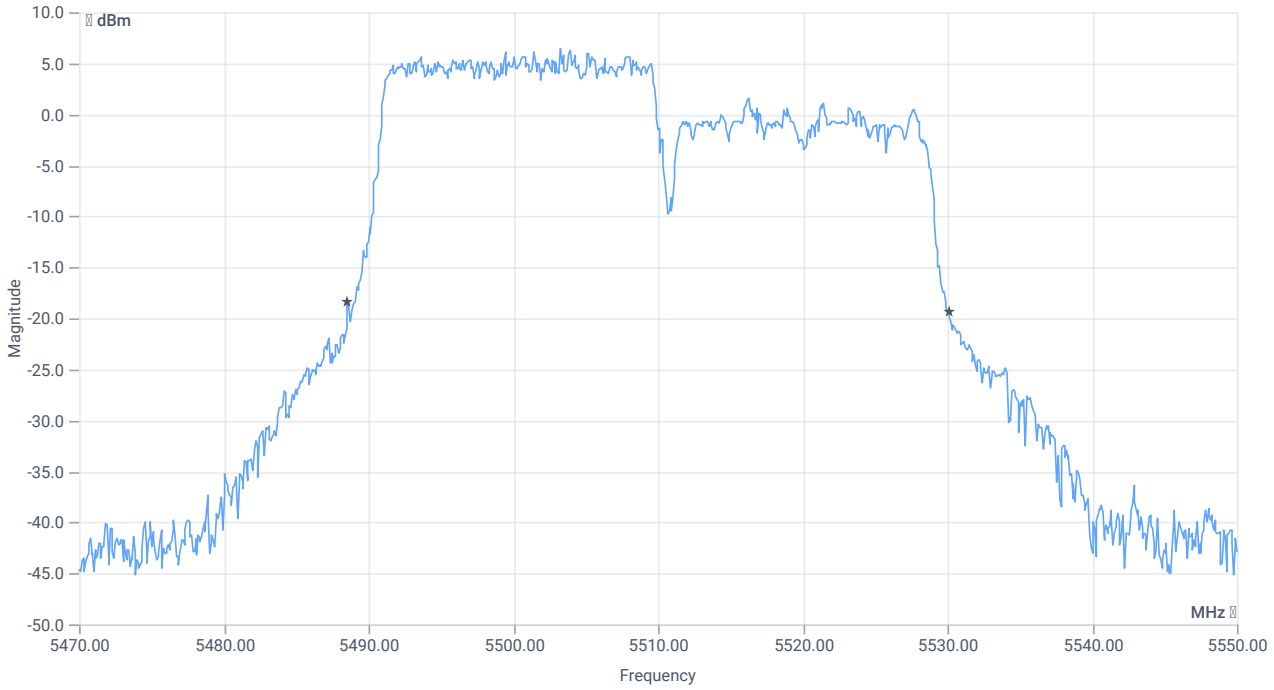
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.85	dBm	INFO
Ref. frequency	---	---	5500.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

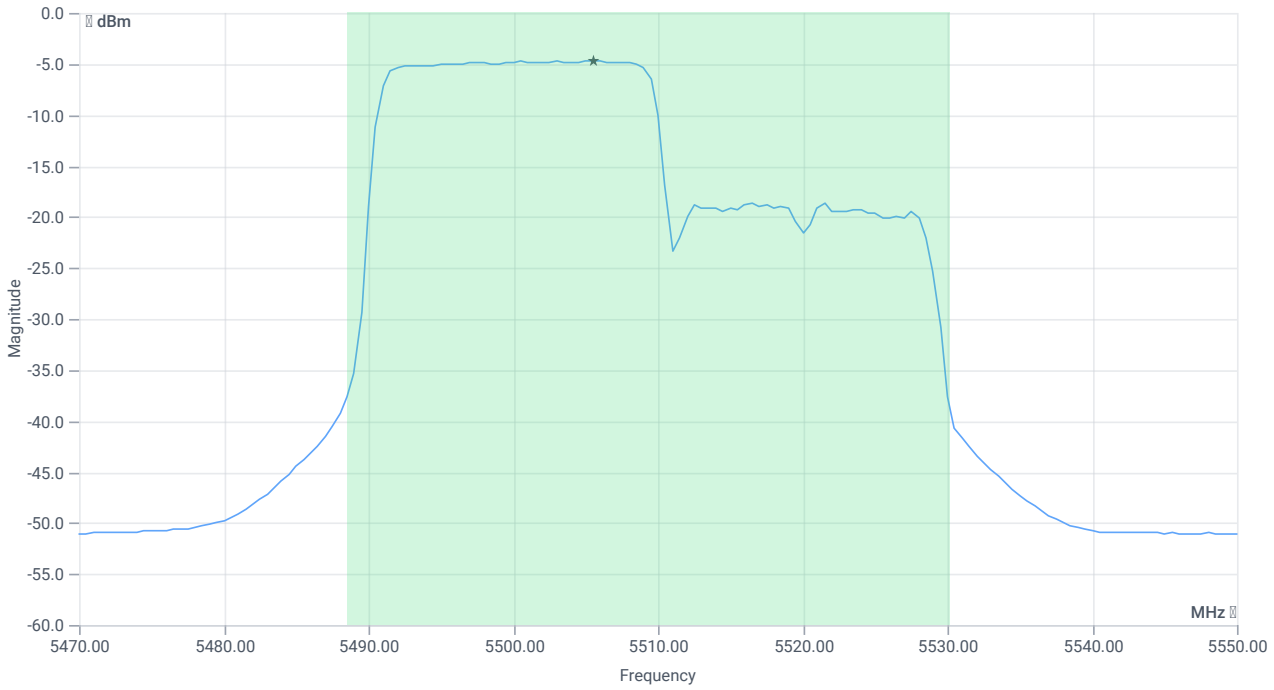
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.52	MHz	INFO
T1 26dB	---	---	5488.5600	MHz	INFO
T2 26dB	---	---	5530.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.85 | 10.94 | 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	---	---	7.66	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.66	dBm	PASS
LIMIT: 11 dBm + 10 log 41.52					
Max output power DC corrected cond	---	27.18	7.66	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.66	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	---	---	-4.7	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.7	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

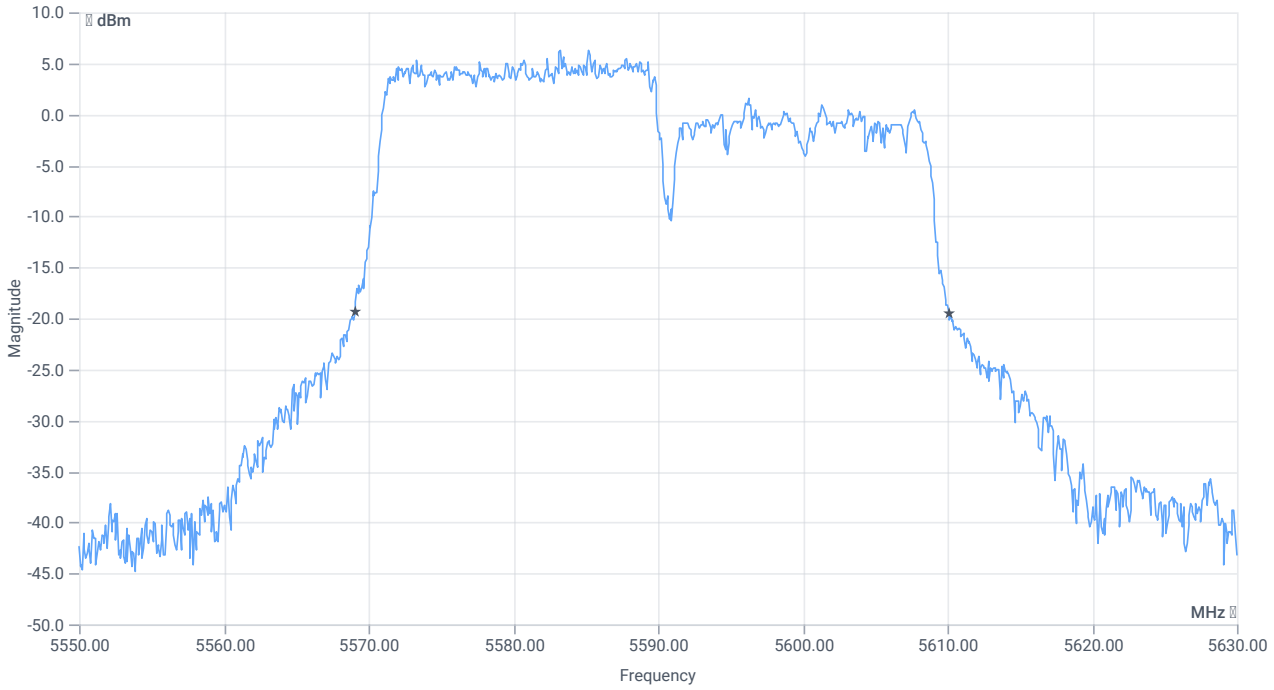
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.60	dBm	INFO
Ref. frequency	---	---	5580.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

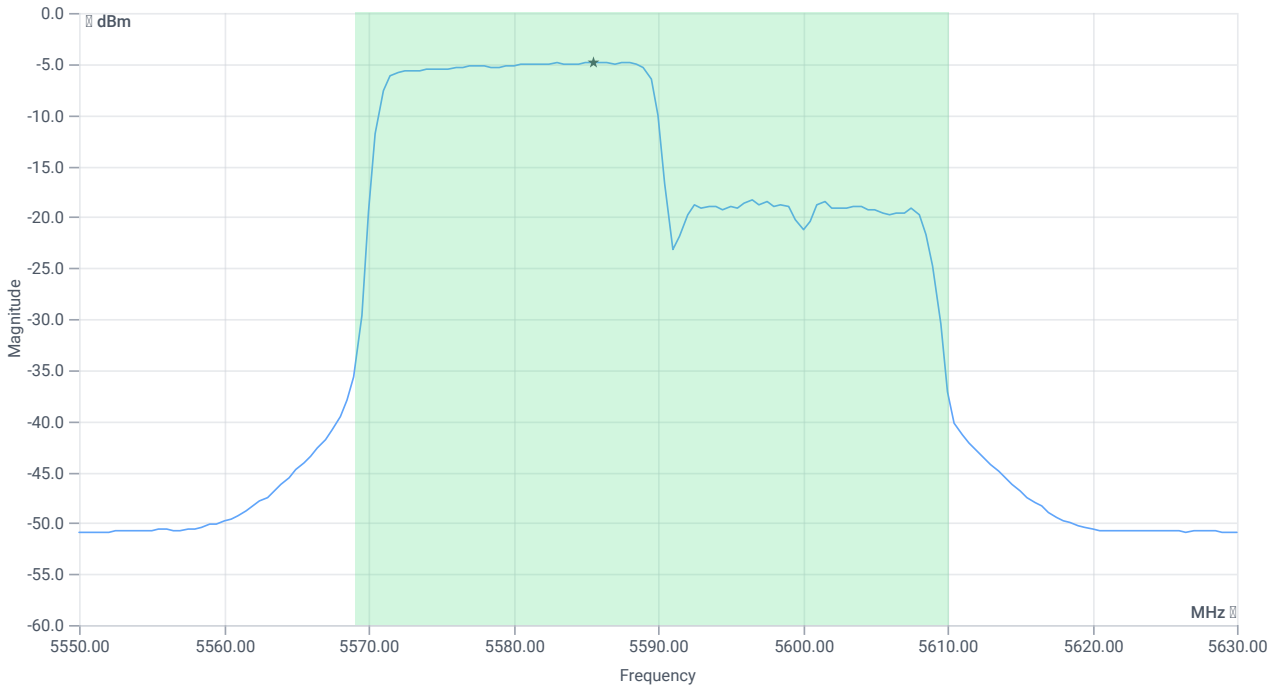
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.04	MHz	INFO
T1 26dB	---	---	5569.0400	MHz	INFO
T2 26dB	---	---	5610.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.60 | 11.06 | 25
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	---	---	7.43	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.43	dBm	PASS
LIMIT: 11 dBm + 10 log 41.04					
Max output power DC corrected cond	---	27.13	7.43	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.43	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	---	---	-4.84	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.84	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

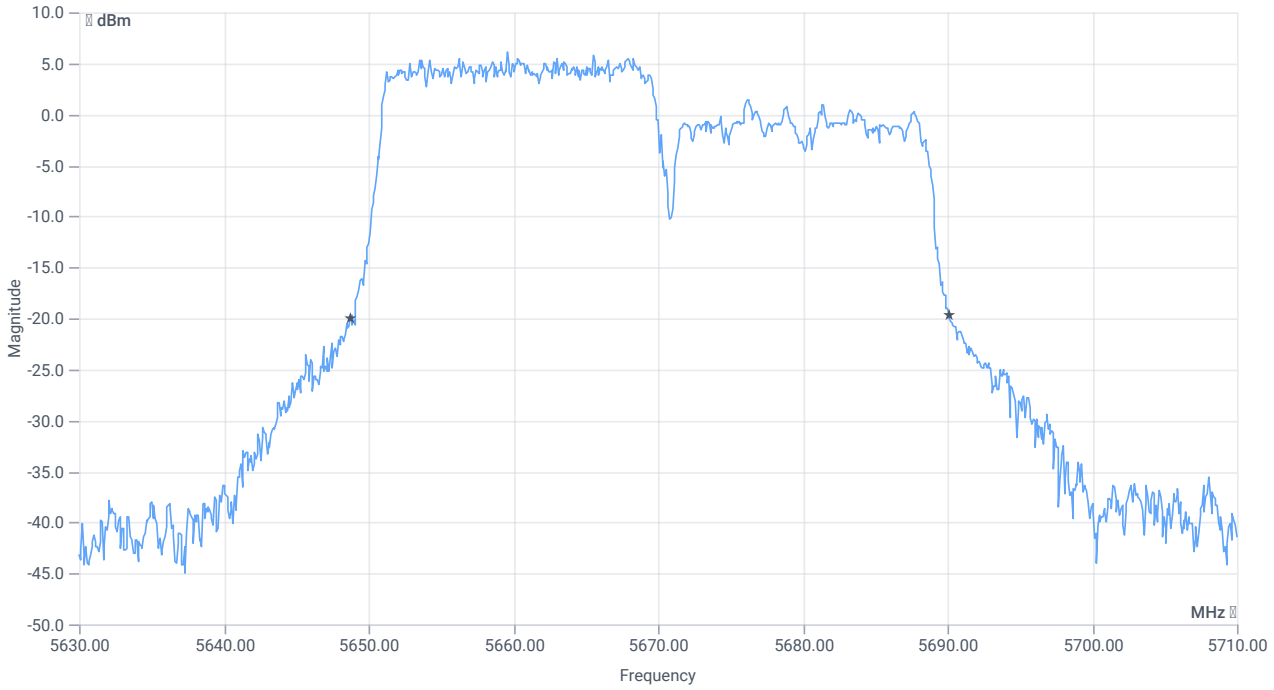
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.75	dBm	INFO
Ref. frequency	---	---	5668.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

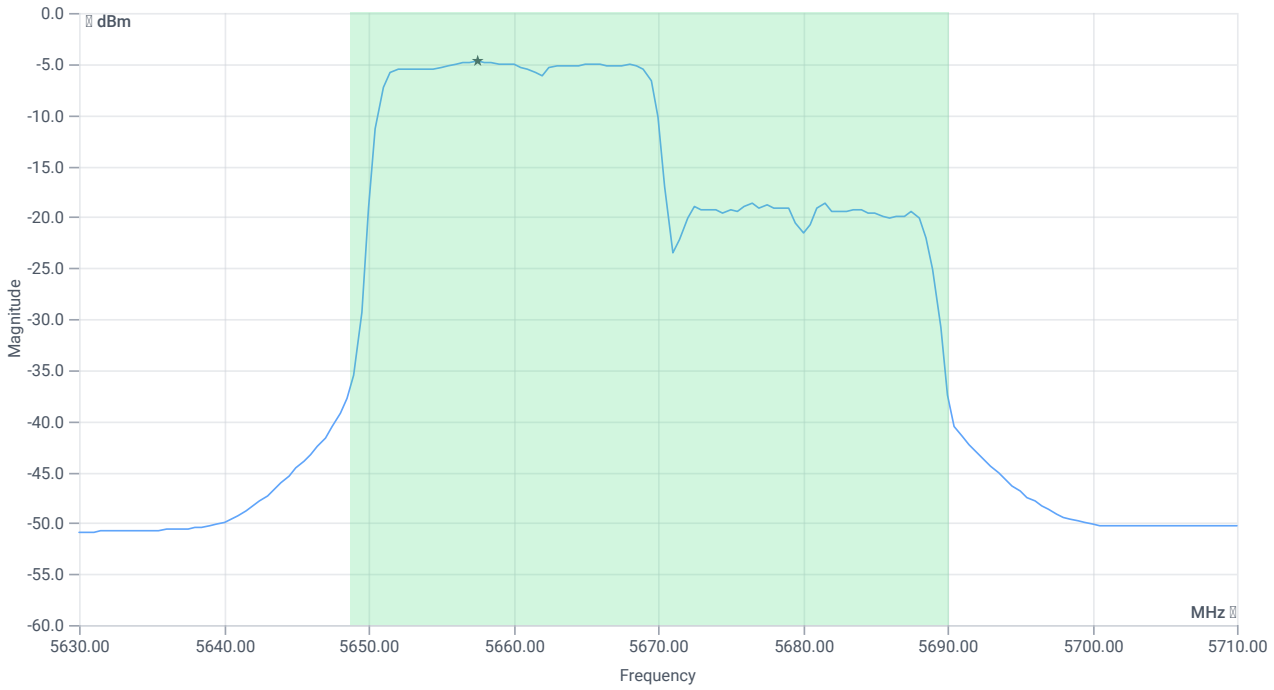
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5648.7200	MHz	INFO
T2 26dB	---	---	5690.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.75 | 11.09 | 25
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	---	---	7.4	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.4	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.4	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.4	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	---	---	-4.76	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.76	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	22.01.2026 13:26:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

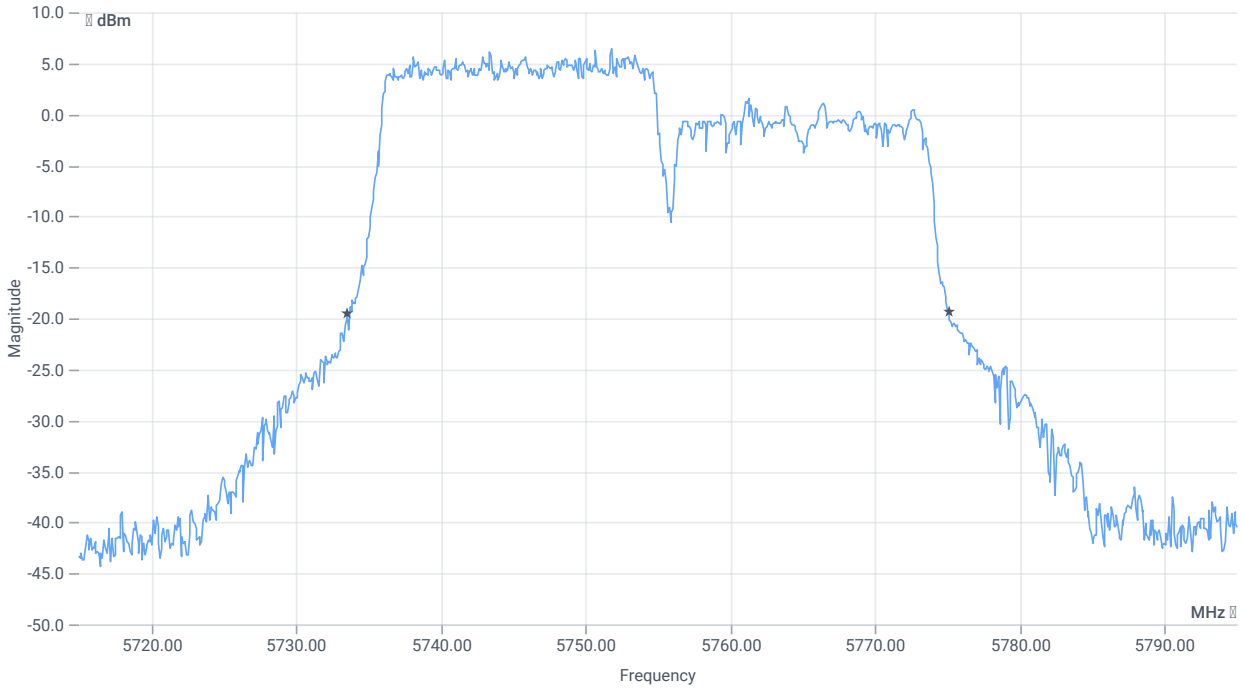
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.48	dBm	INFO
Ref. frequency	---	---	5750.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

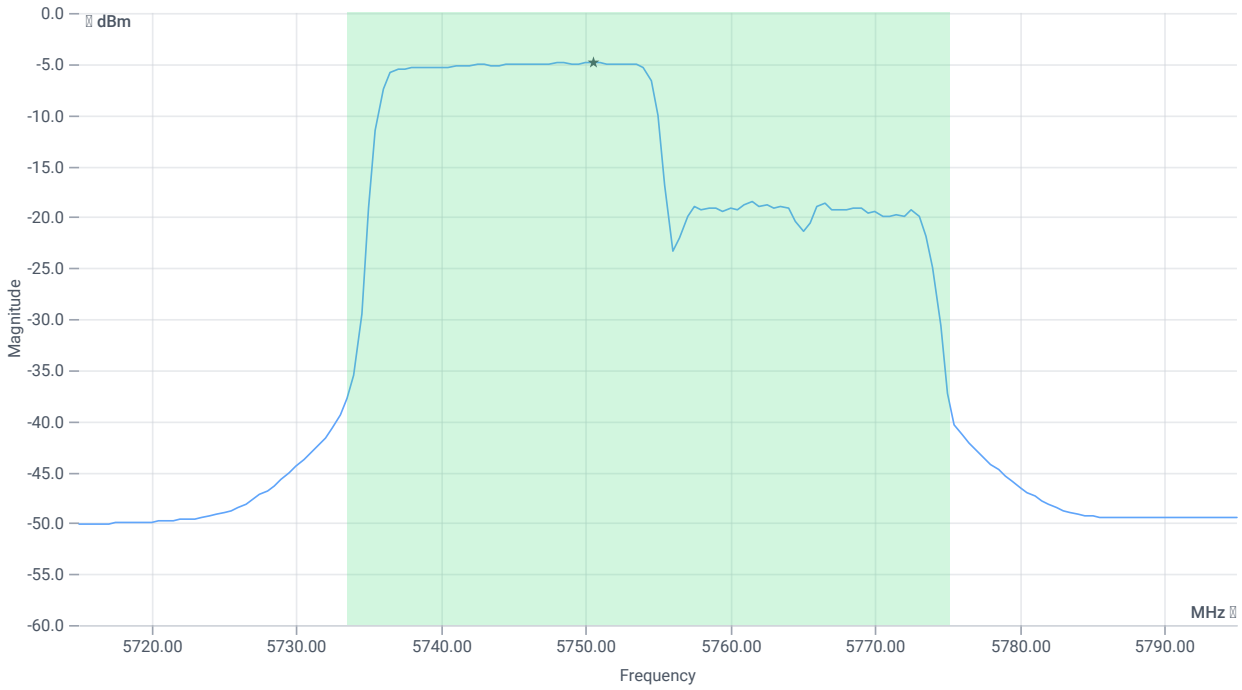
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.52	MHz	INFO
T1 26dB	---	---	5733.5600	MHz	INFO
T2 26dB	---	---	5775.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.48 | 11.16 | 25
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	---	---	7.5	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.5	dBm	PASS
LIMIT: 11 dBm + 10 log 41.52					
Max output power DC corrected cond	---	27.18	7.5	dBm	na

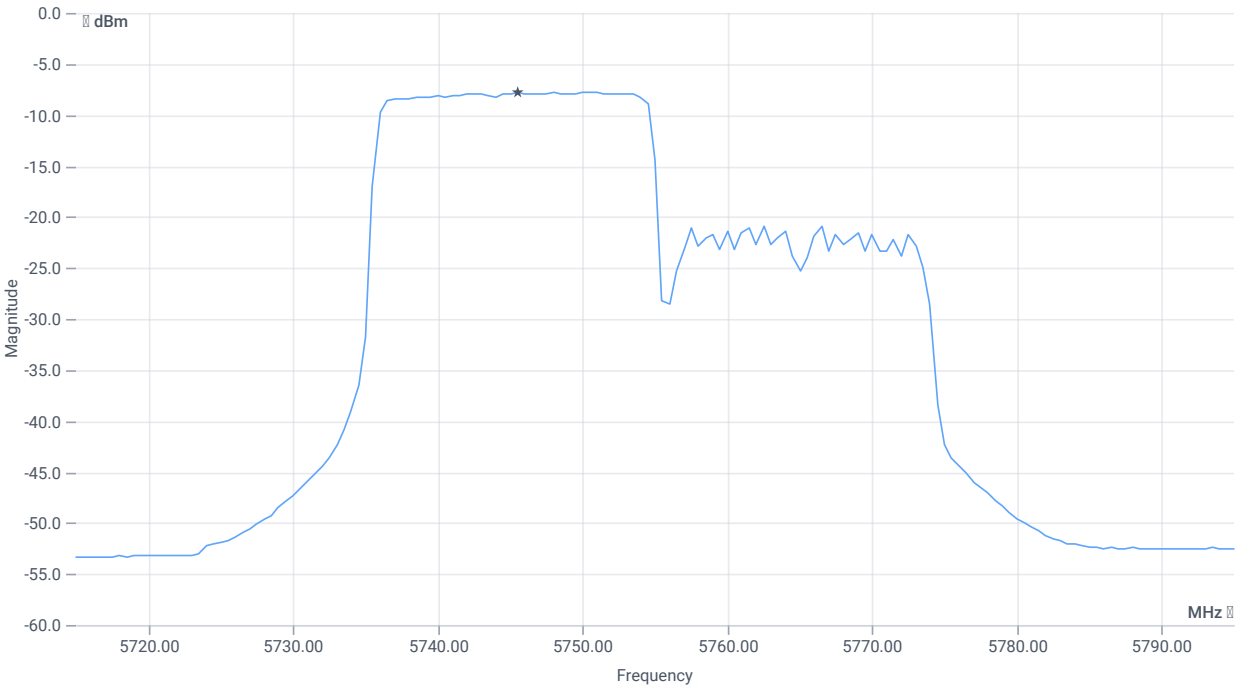
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.48 | 11.16 | 25

READ SA SETTINGS:

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	---	---	-7.74	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.74	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

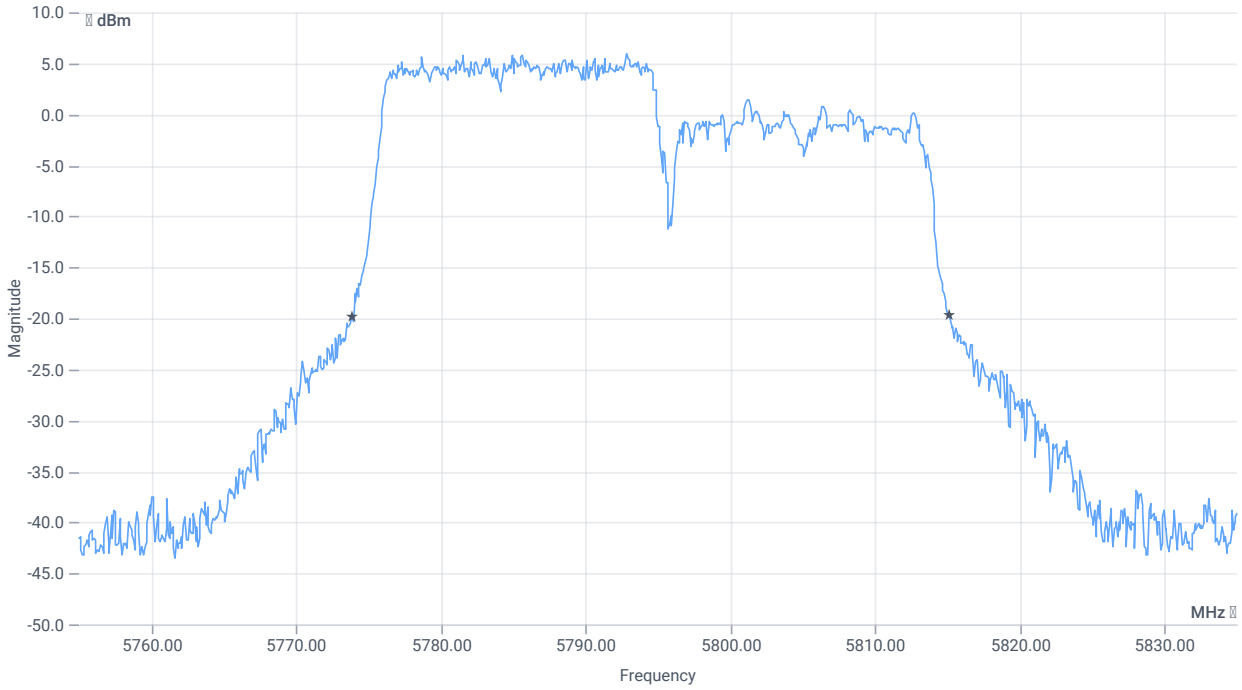
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.79	dBm	INFO
Ref. frequency	---	---	5790.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

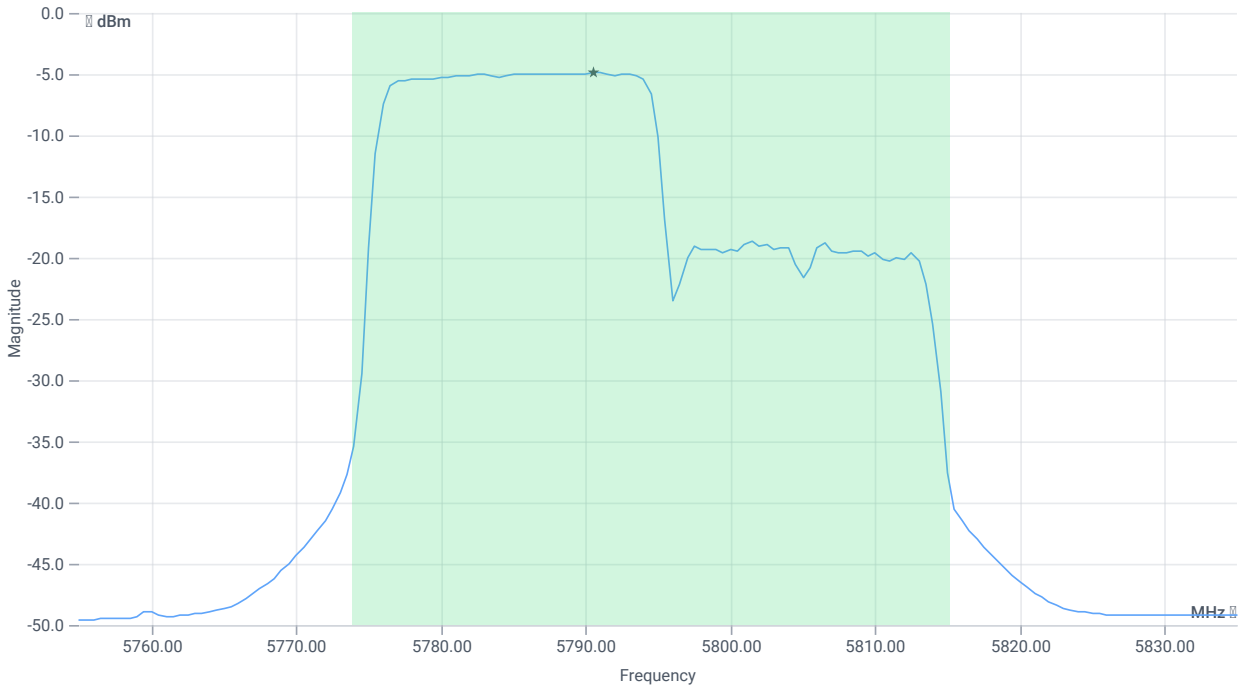
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5773.8000	MHz	INFO
T2 26dB	---	---	5815.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.79 | 11.36 | 25
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	---	---	7.47	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.47	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.47	dBm	na

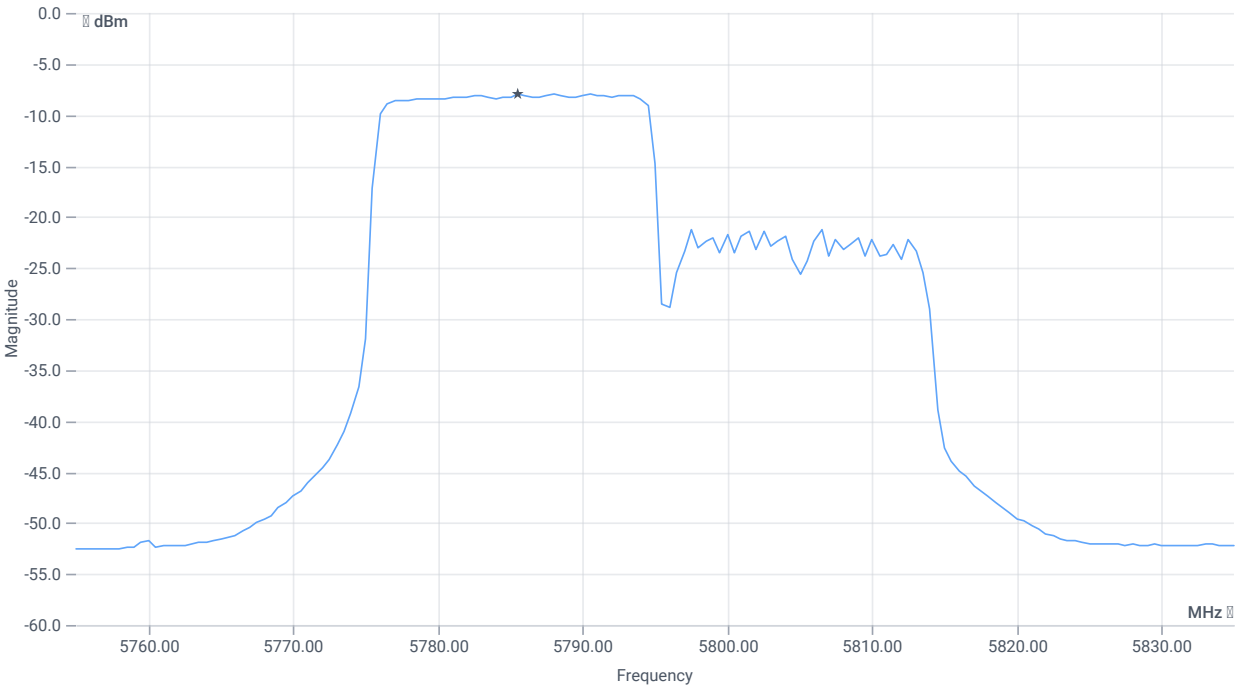
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.79 | 11.36 | 25

READ SA SETTINGS:

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	---	---	-7.99	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.99	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	22.01.2026 13:59:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

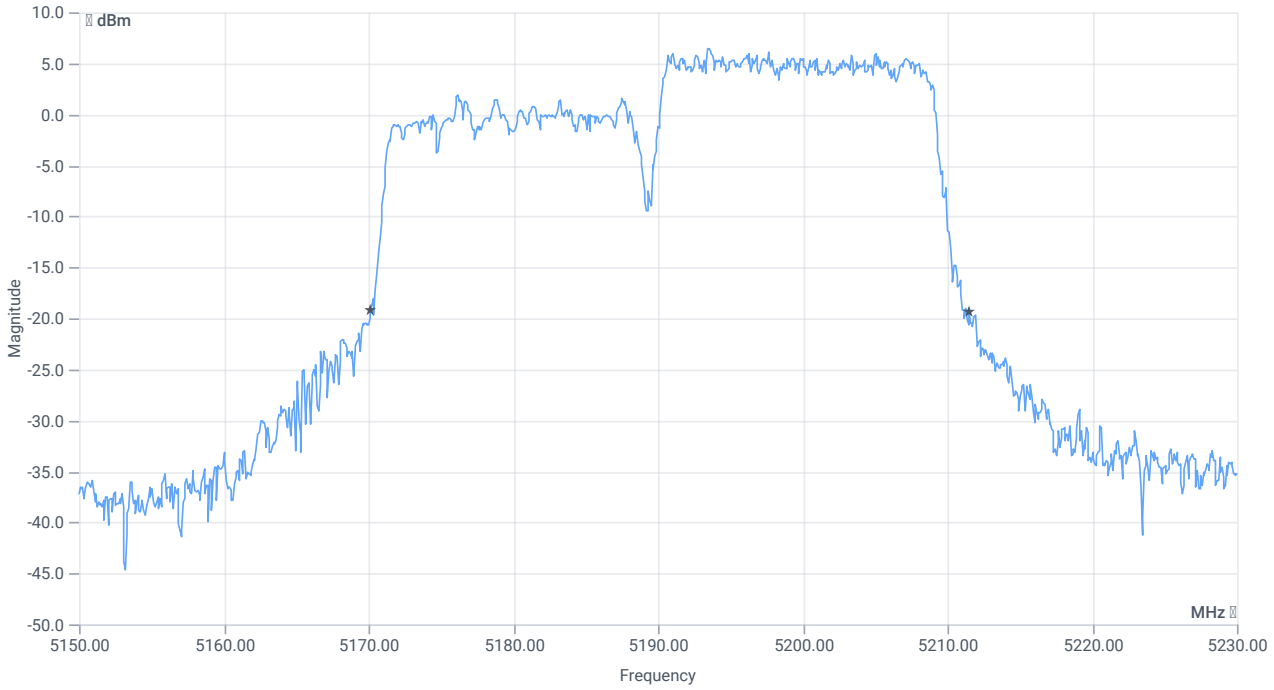
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.26	dBm	INFO
Ref. frequency	---	---	5193.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

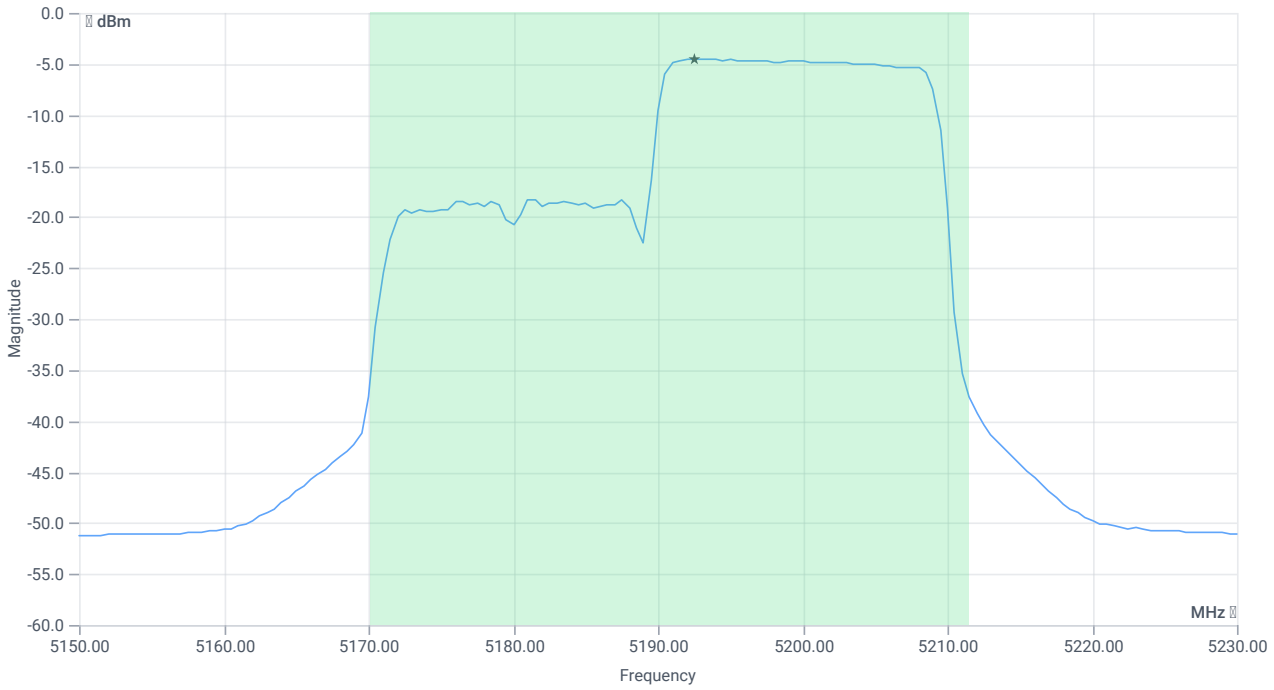
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5170.1600	MHz	INFO
T2 26dB	---	---	5211.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.26 | 10.87 | 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	---	---	7.76	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.76	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.76	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.54	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.54	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

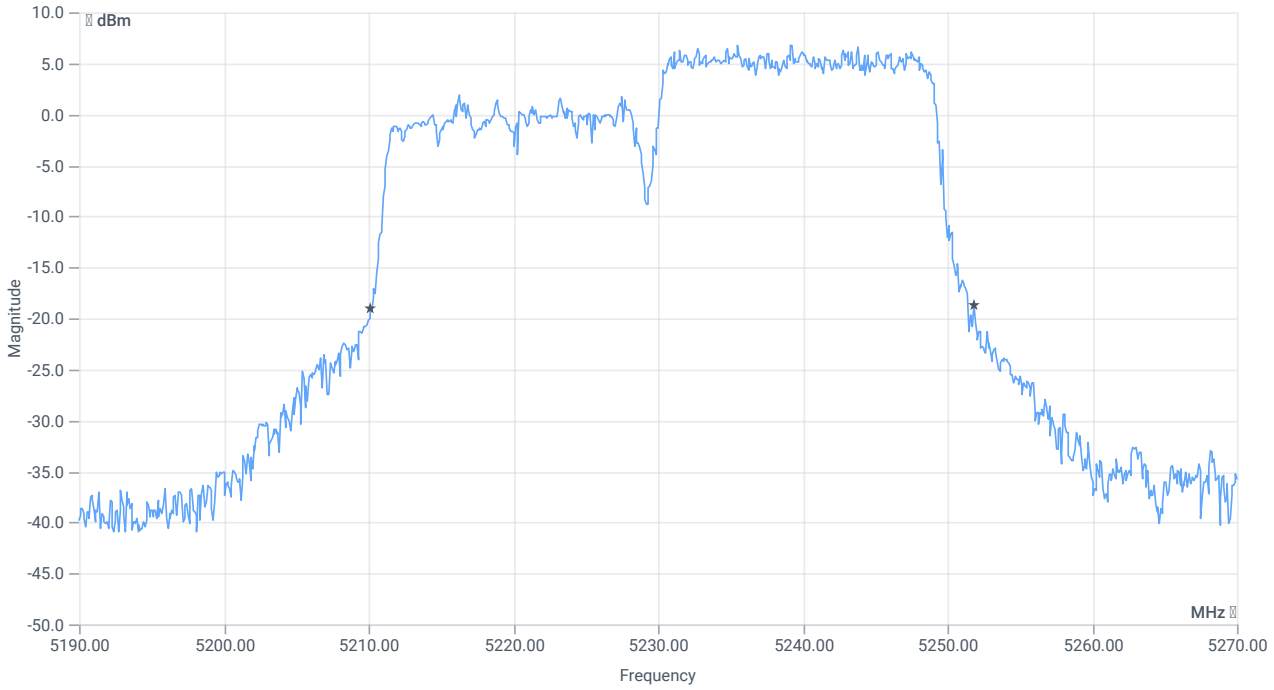
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.22	dBm	INFO
Ref. frequency	---	---	5239.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

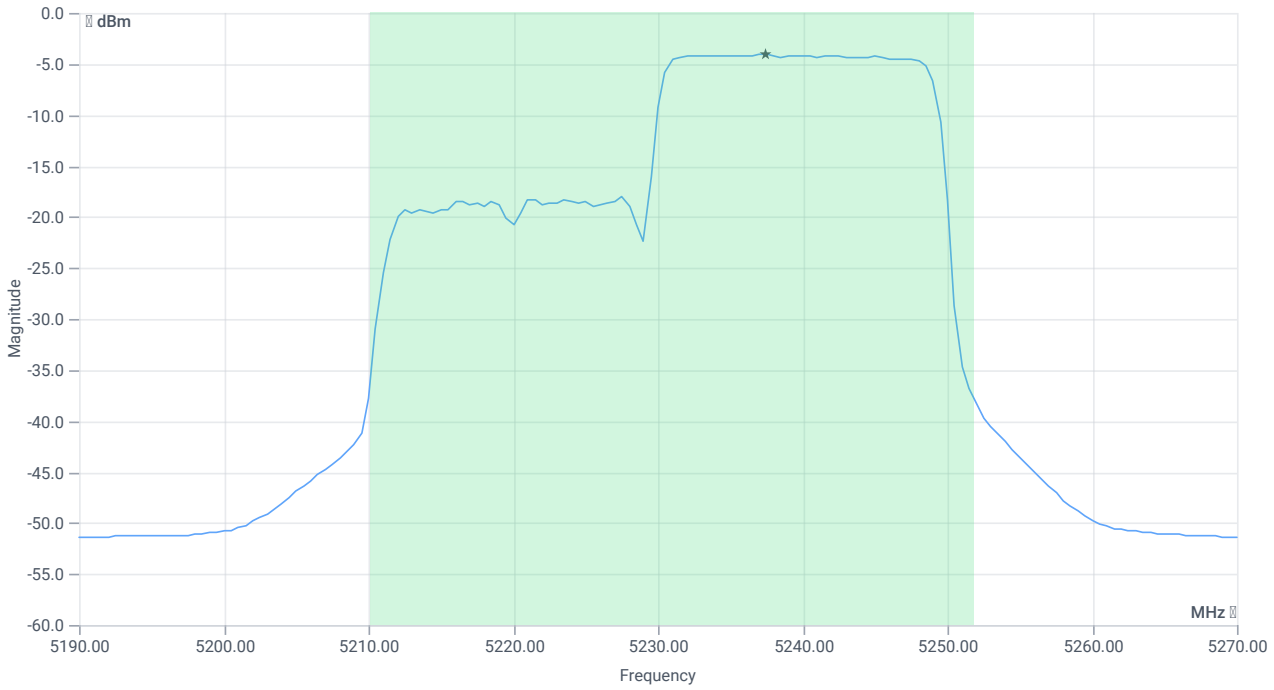
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.68	MHz	INFO
T1 26dB	---	---	5210.1600	MHz	INFO
T2 26dB	---	---	5251.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.22 | 10.86 | 25
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	---	---	8.29	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.29	dBm	PASS
LIMIT: 11 dBm + 10 log 41.68					
Max output power DC corrected cond	---	27.2	8.29	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.09	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	22.01.2026 14:02:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

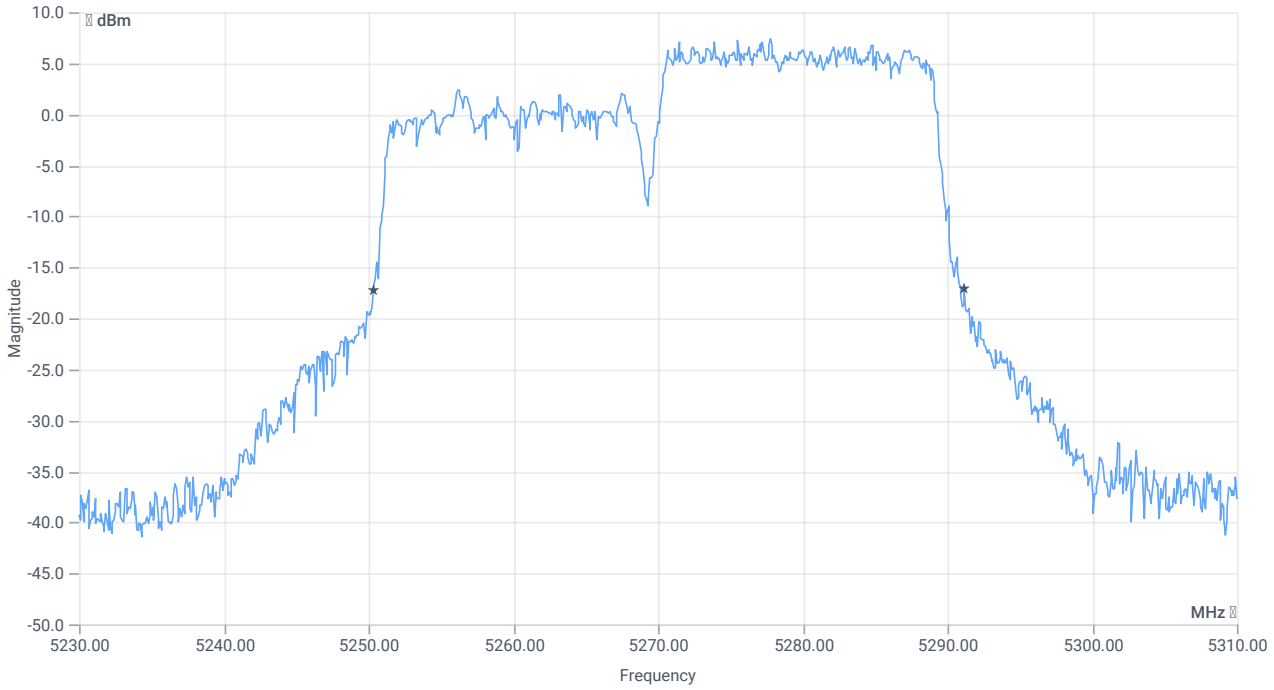
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.73	dBm	INFO
Ref. frequency	---	---	5286.980	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.88	MHz	INFO
T1 26dB	---	---	5250.3200	MHz	INFO
T2 26dB	---	---	5291.2000	MHz	INFO

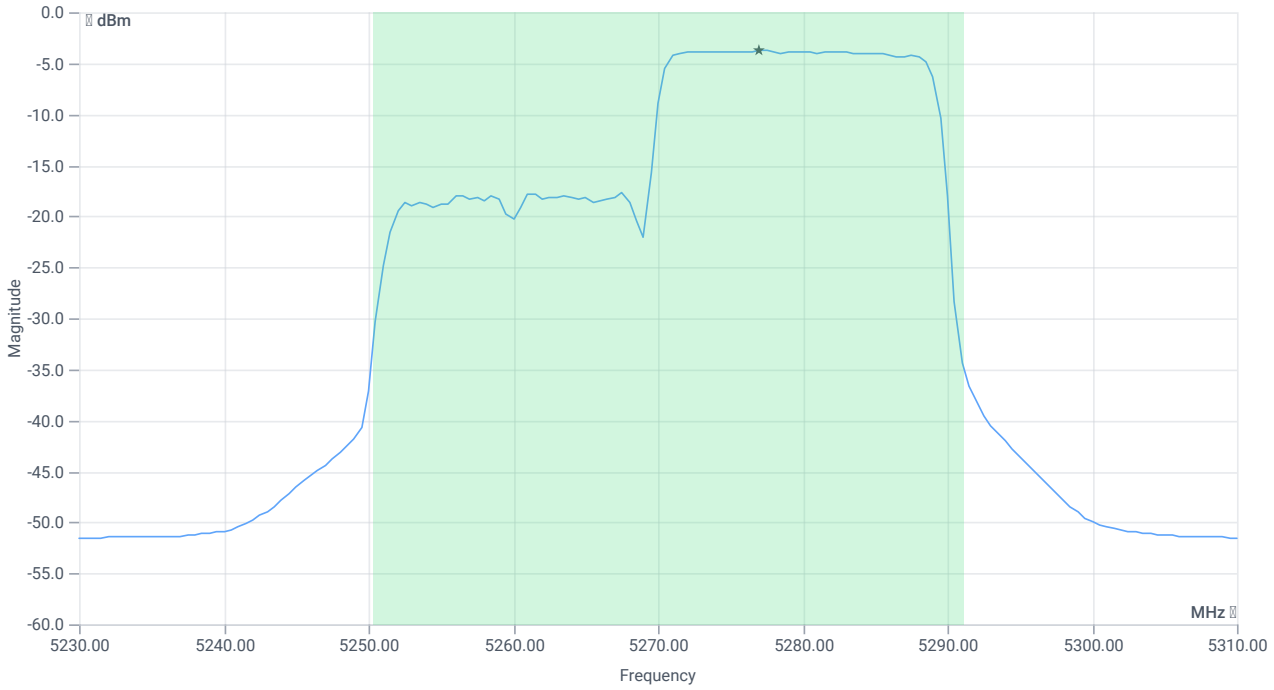
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.73 | 10.84 | 25
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	---	---	8.61	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.61	dBm	PASS
LIMIT: 11 dBm + 10 log 40.88					
Max output power DC corrected cond	---	27.12	8.61	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.61	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	---	---	-3.76	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.76	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

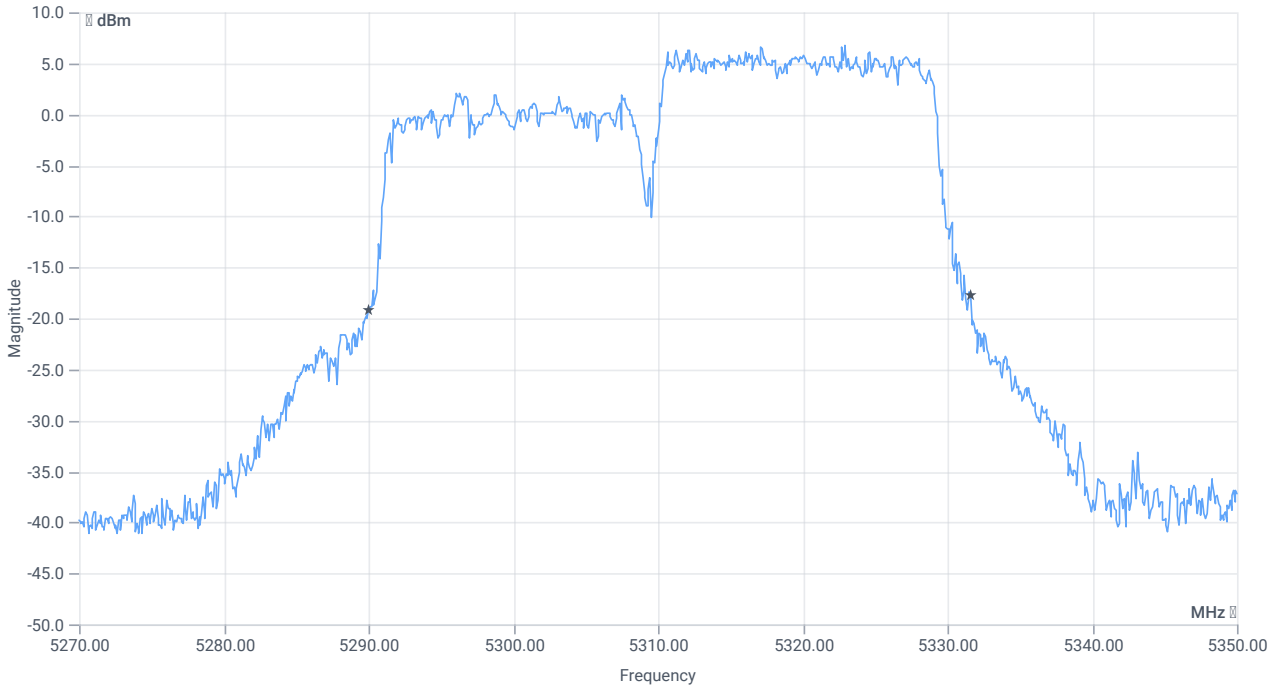
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.04	dBm	INFO
Ref. frequency	---	---	5320.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.6	MHz	INFO
T1 26dB	---	---	5290.0000	MHz	INFO
T2 26dB	---	---	5331.6000	MHz	INFO

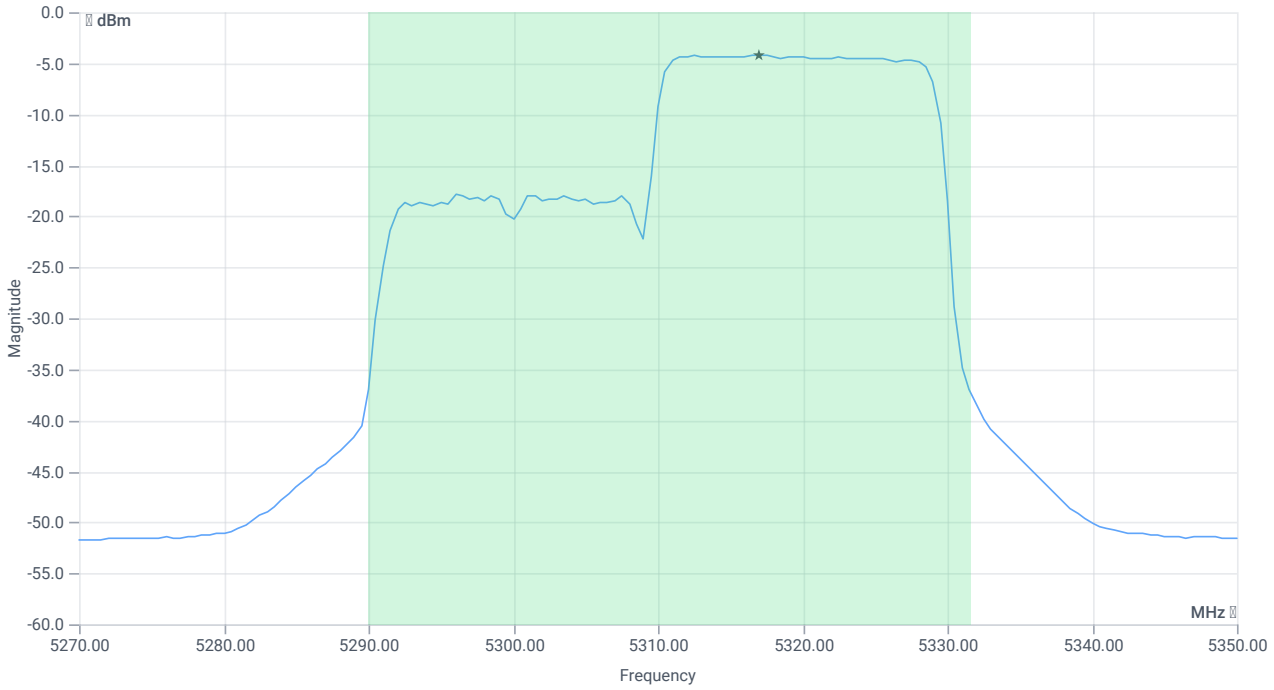
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.04 | 10.79 | 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	---	---	8.14	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.14	dBm	PASS
LIMIT: 11 dBm + 10 log 41.6					
Max output power DC corrected cond	---	27.19	8.14	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.14	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	---	---	-4.28	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.28	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	22.01.2026 14:07:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

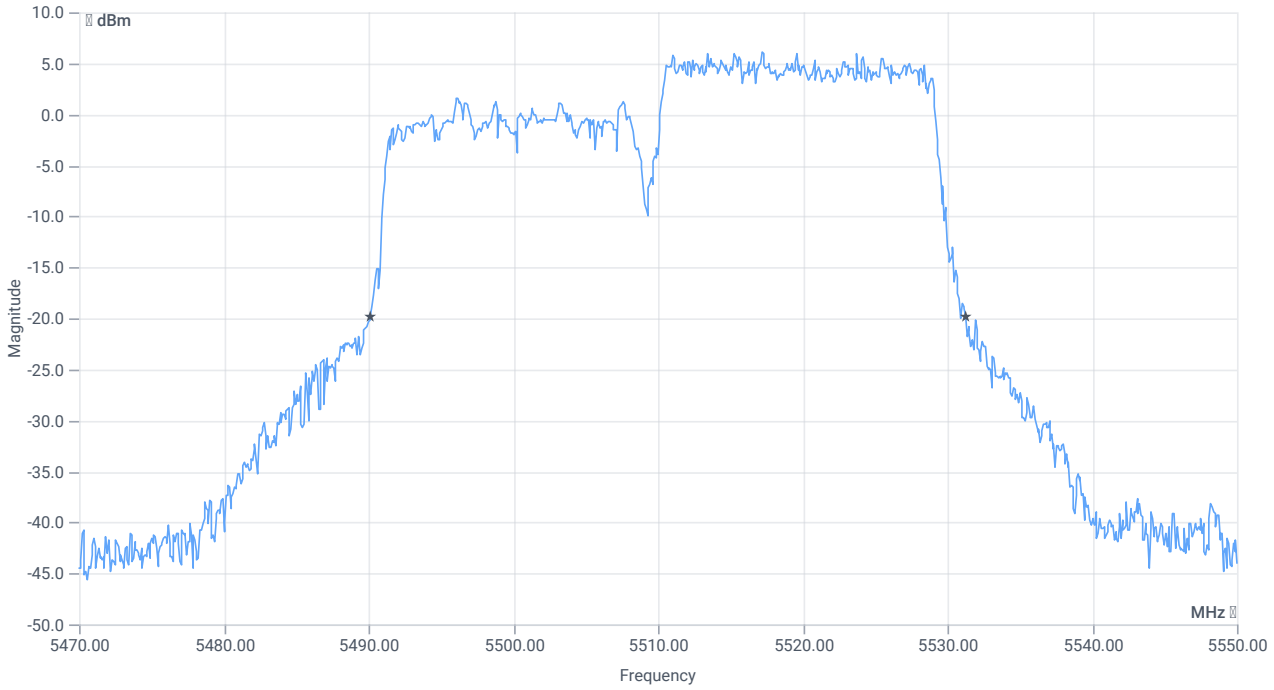
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.18	dBm	INFO
Ref. frequency	---	---	5517.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

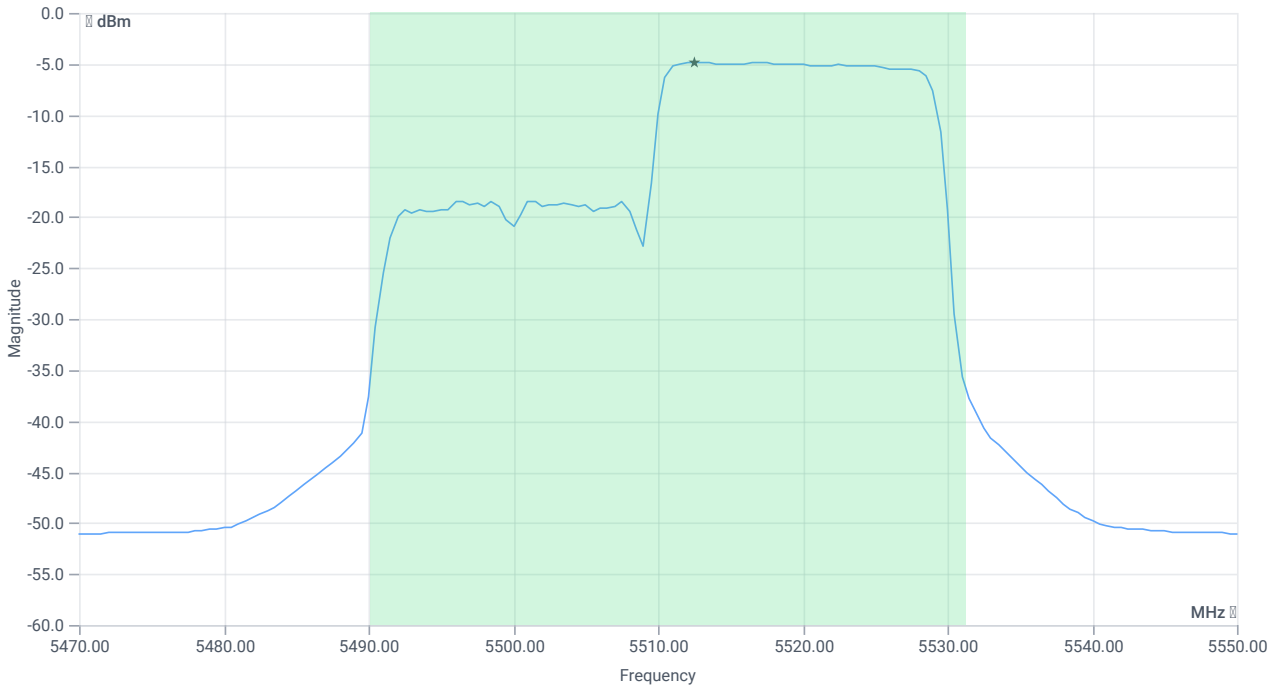
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.12	MHz	INFO
T1 26dB	---	---	5490.1600	MHz	INFO
T2 26dB	---	---	5531.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.18 | 10.94 | 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	---	---	7.51	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.51	dBm	PASS
LIMIT: 11 dBm + 10 log 41.12					
Max output power DC corrected cond	---	27.14	7.51	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.51	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	---	---	-4.88	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.88	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

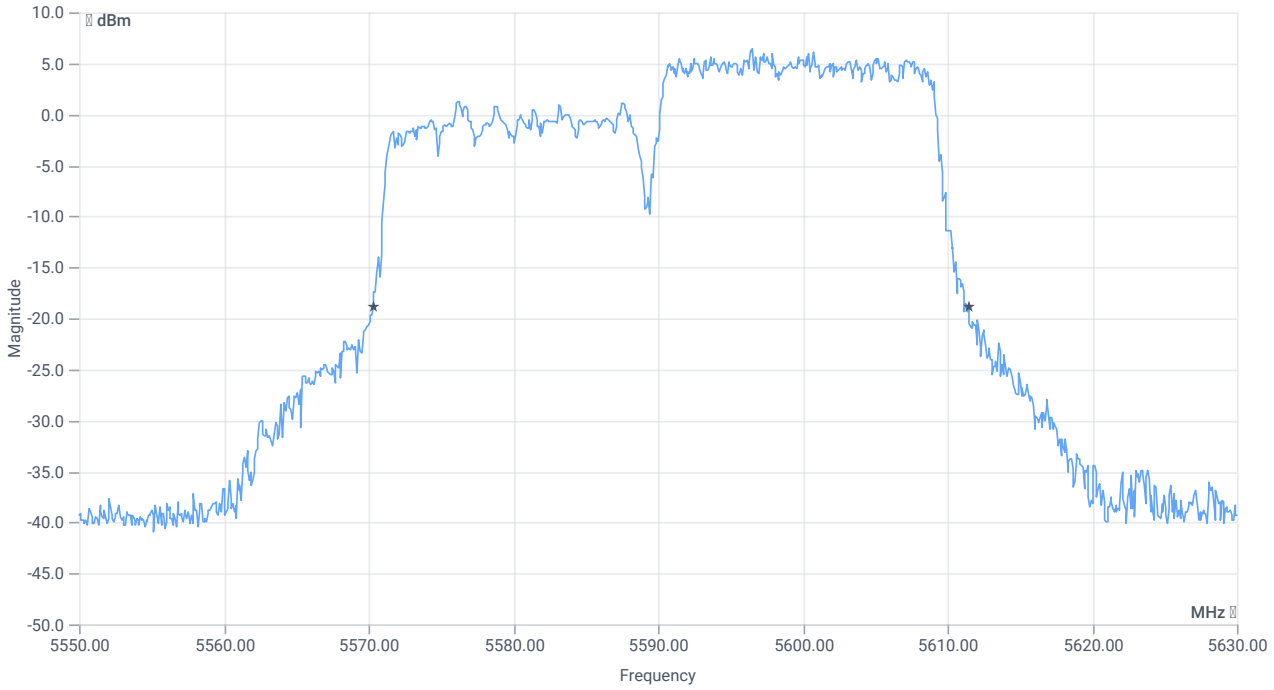
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.55	dBm	INFO
Ref. frequency	---	---	5599.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

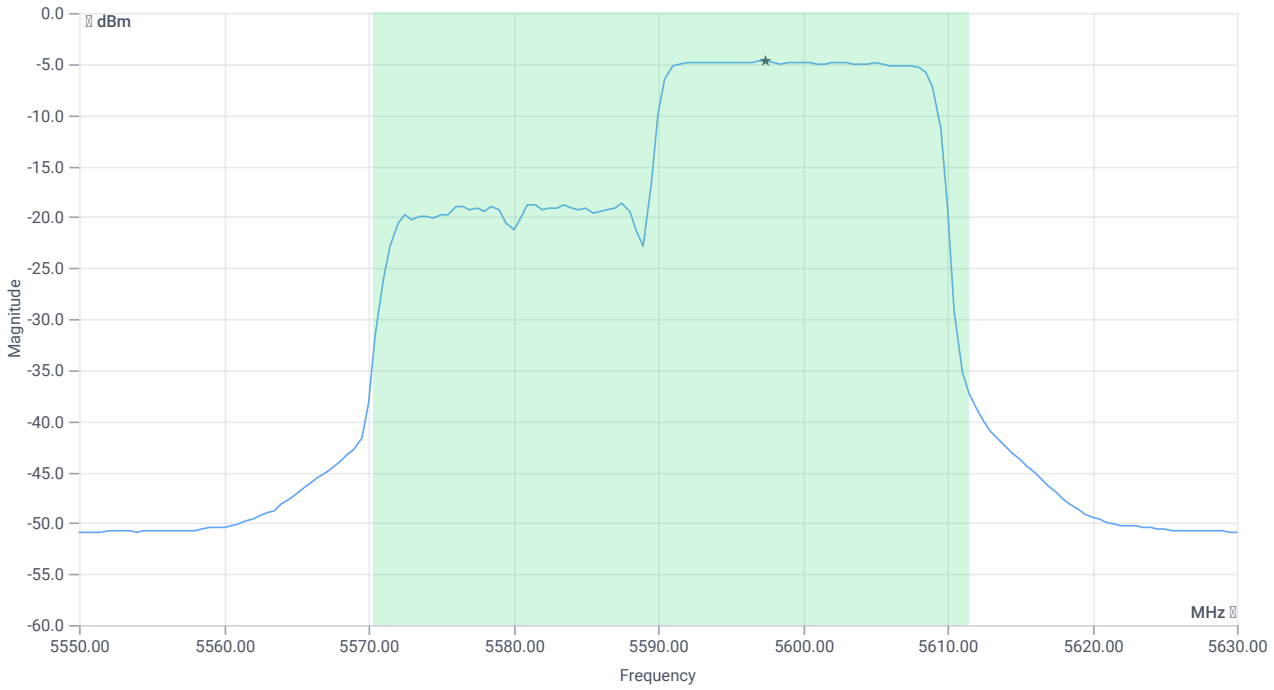
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.12	MHz	INFO
T1 26dB	---	---	5570.3200	MHz	INFO
T2 26dB	---	---	5611.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.55 | 11.06 | 25
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	---	---	7.65	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.65	dBm	PASS
LIMIT: 11 dBm + 10 log 41.12					
Max output power DC corrected cond	---	27.14	7.65	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.65	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	---	---	-4.74	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.74	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

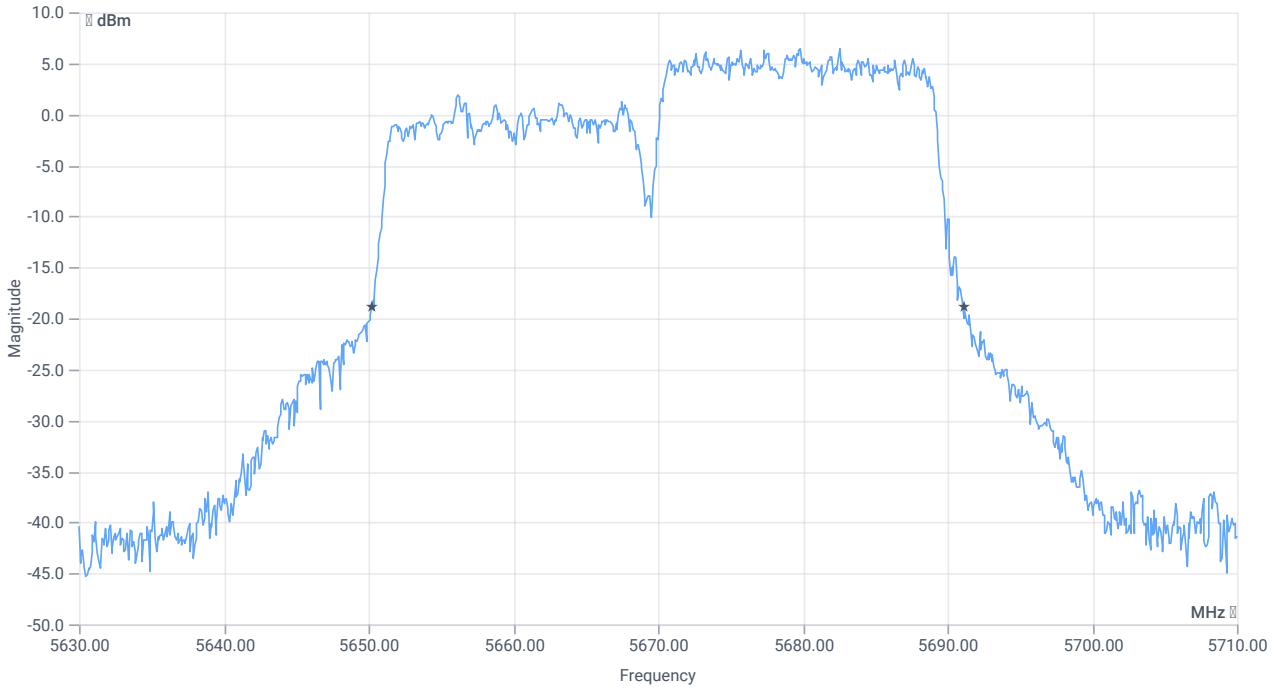
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.05	dBm	INFO
Ref. frequency	---	---	5674.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

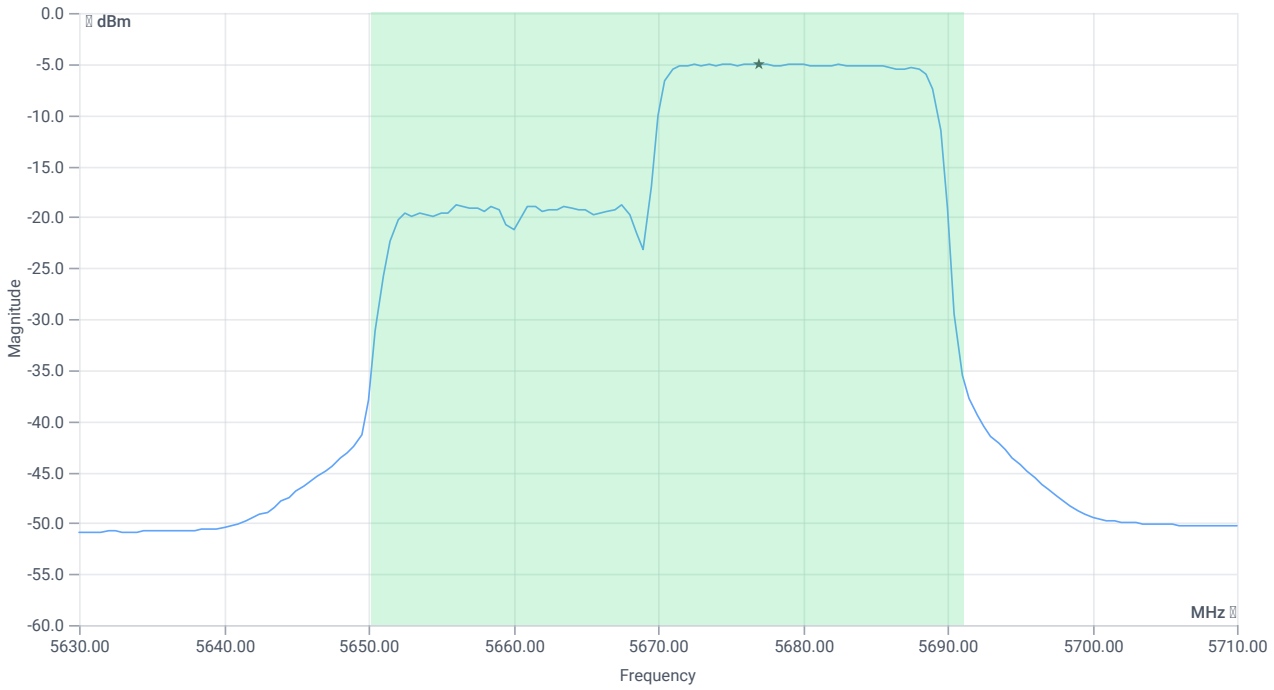
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.96	MHz	INFO
T1 26dB	---	---	5650.2400	MHz	INFO
T2 26dB	---	---	5691.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.05 | 11.09 | 25
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	---	---	7.43	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.43	dBm	PASS
LIMIT: 11 dBm + 10 log 40.96					
Max output power DC corrected cond	---	27.12	7.43	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.43	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	dB	INFO
Power spectral density DC corrected cond	---	11	-4.98	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	22.01.2026 14:16:41
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

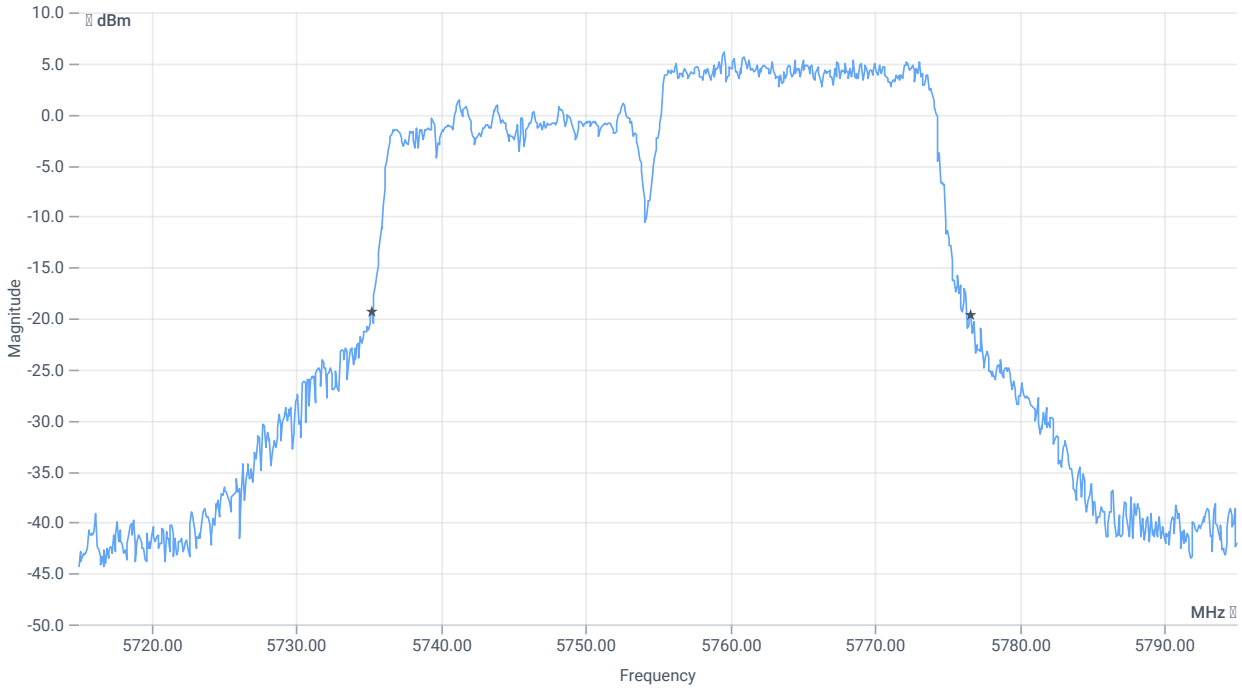
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.36	dBm	INFO
Ref. frequency	---	---	5758.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

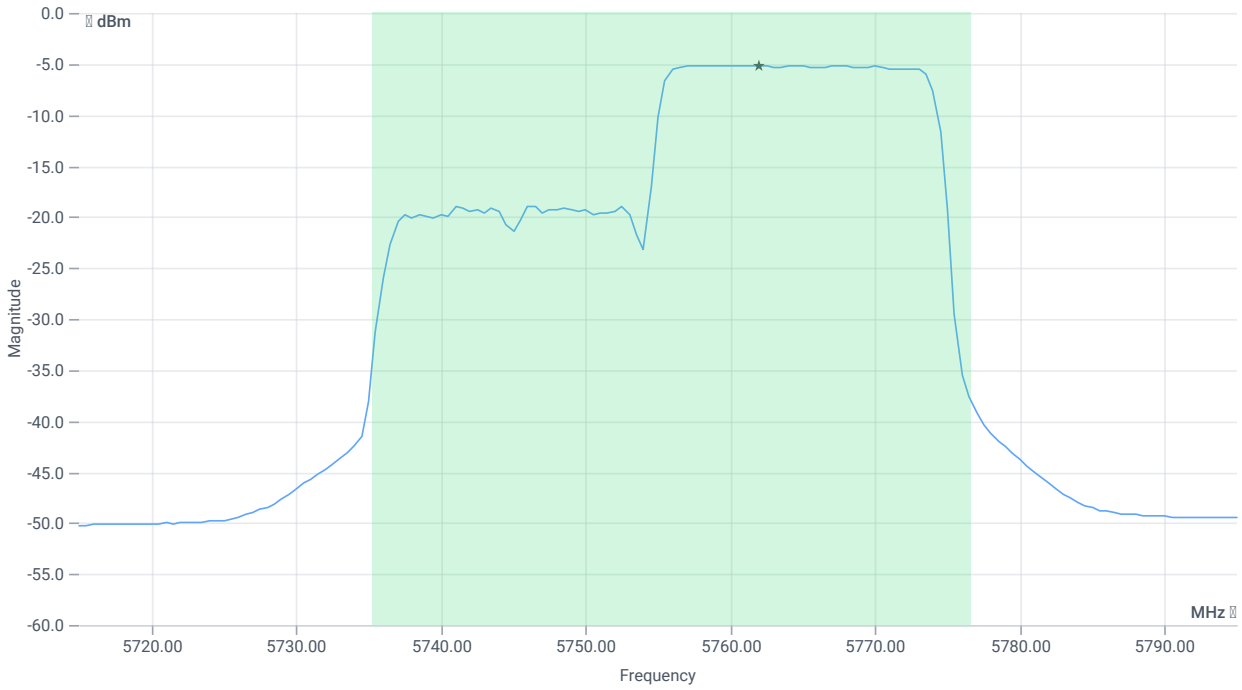
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5735.2400	MHz	INFO
T2 26dB	---	---	5776.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.36 | 11.16 | 25
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	---	---	7.32	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.32	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.32	dBm	na

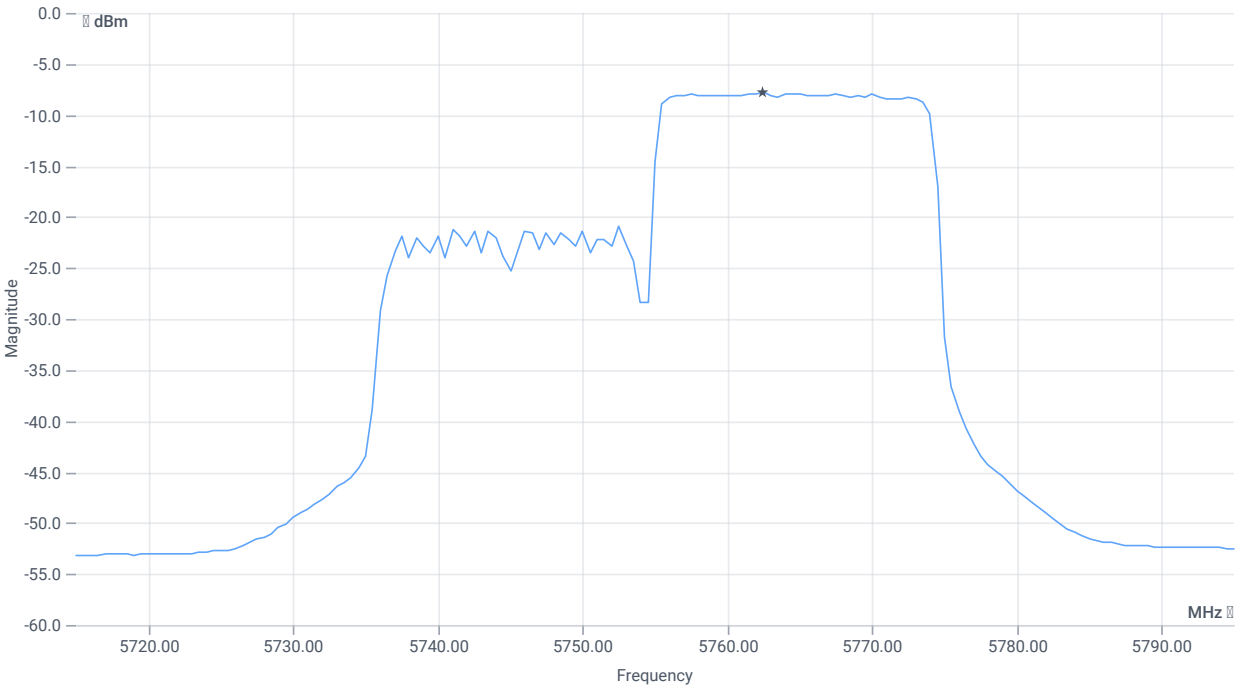
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.36 | 11.16 | 25

READ SA SETTINGS:

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	---	---	-7.8	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.8	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

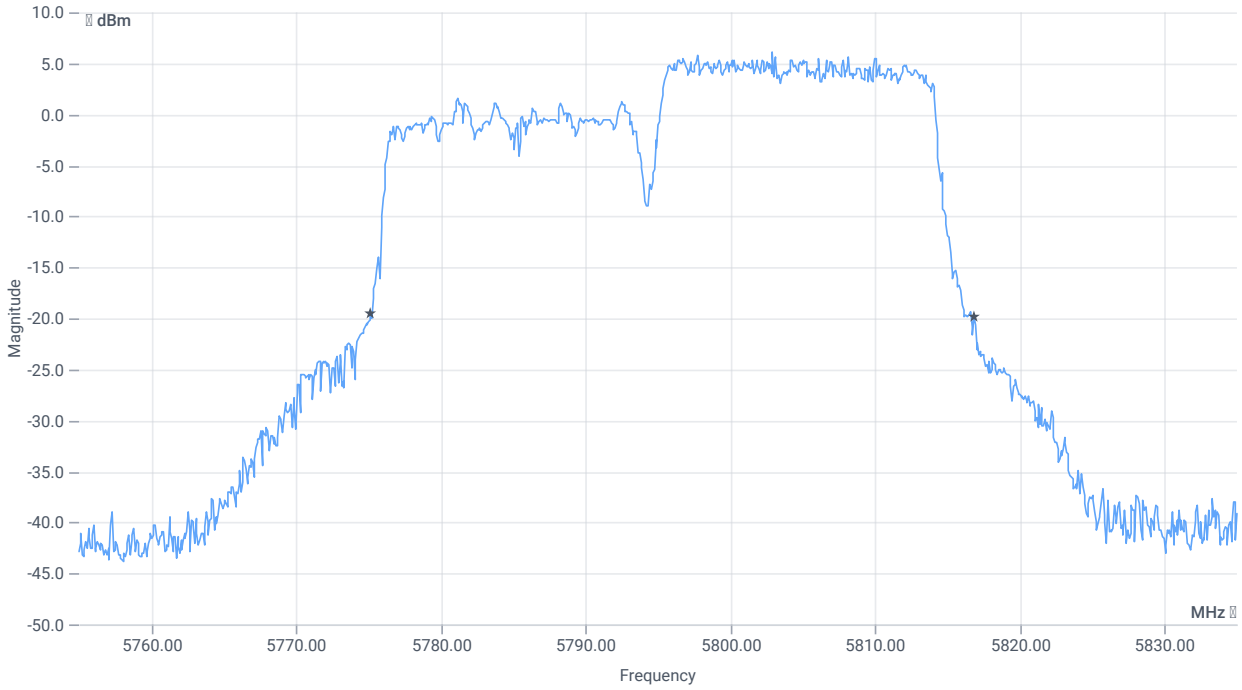
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.78	dBm	INFO
Ref. frequency	---	---	5800.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

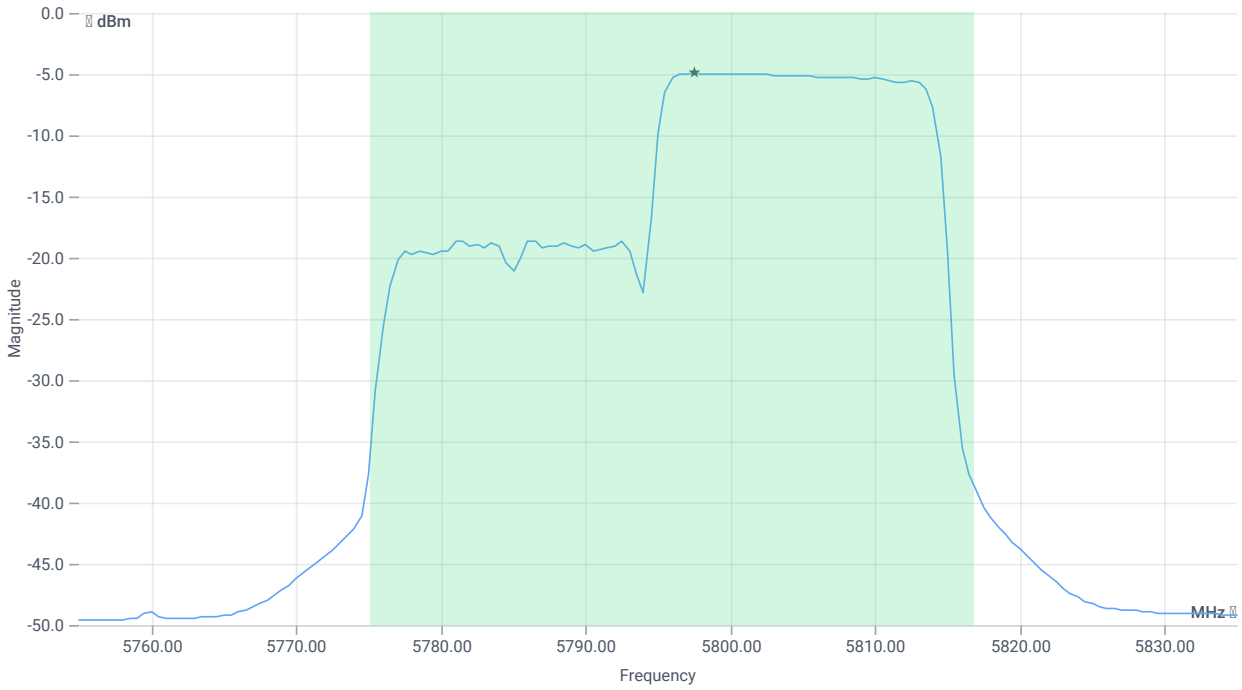
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.68	MHz	INFO
T1 26dB	---	---	5775.1600	MHz	INFO
T2 26dB	---	---	5816.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.78 | 11.36 | 25
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	---	---	7.42	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.42	dBm	PASS
LIMIT: 11 dBm + 10 log 41.68					
Max output power DC corrected cond	---	27.2	7.42	dBm	na

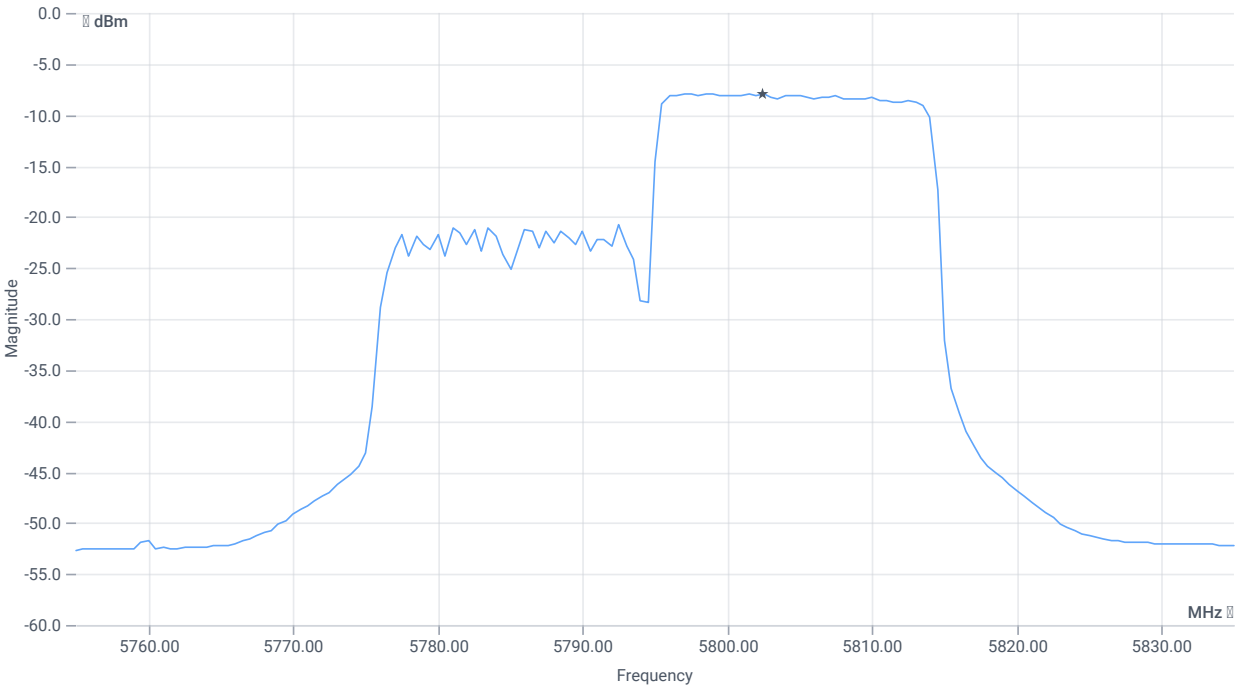
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.78 | 11.36 | 25

READ SA SETTINGS:

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	---	---	-7.88	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.88	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	22.01.2026 13:33:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

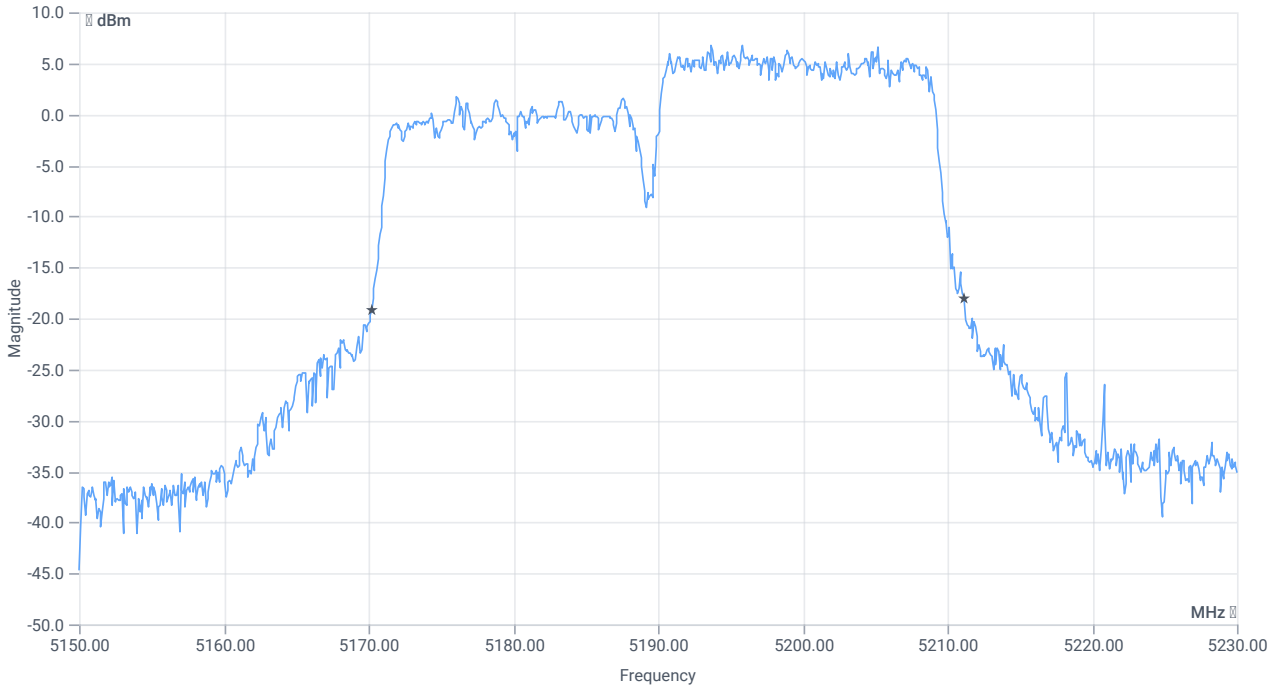
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.46	dBm	INFO
Ref. frequency	---	---	5193.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

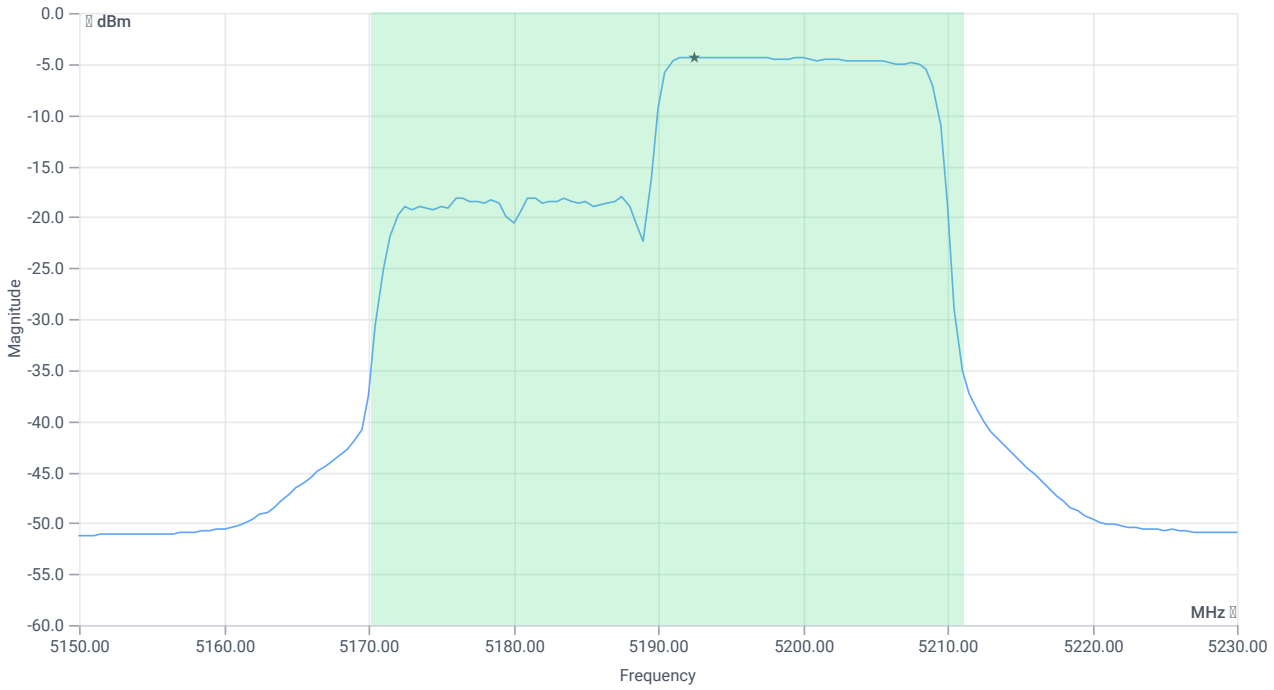
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.96	MHz	INFO
T1 26dB	---	---	5170.2400	MHz	INFO
T2 26dB	---	---	5211.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.46 | 10.87 | 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	---	---	8.04	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.04	dBm	PASS
LIMIT: 11 dBm + 10 log 40.96					
Max output power DC corrected cond	---	27.12	8.04	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.34	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

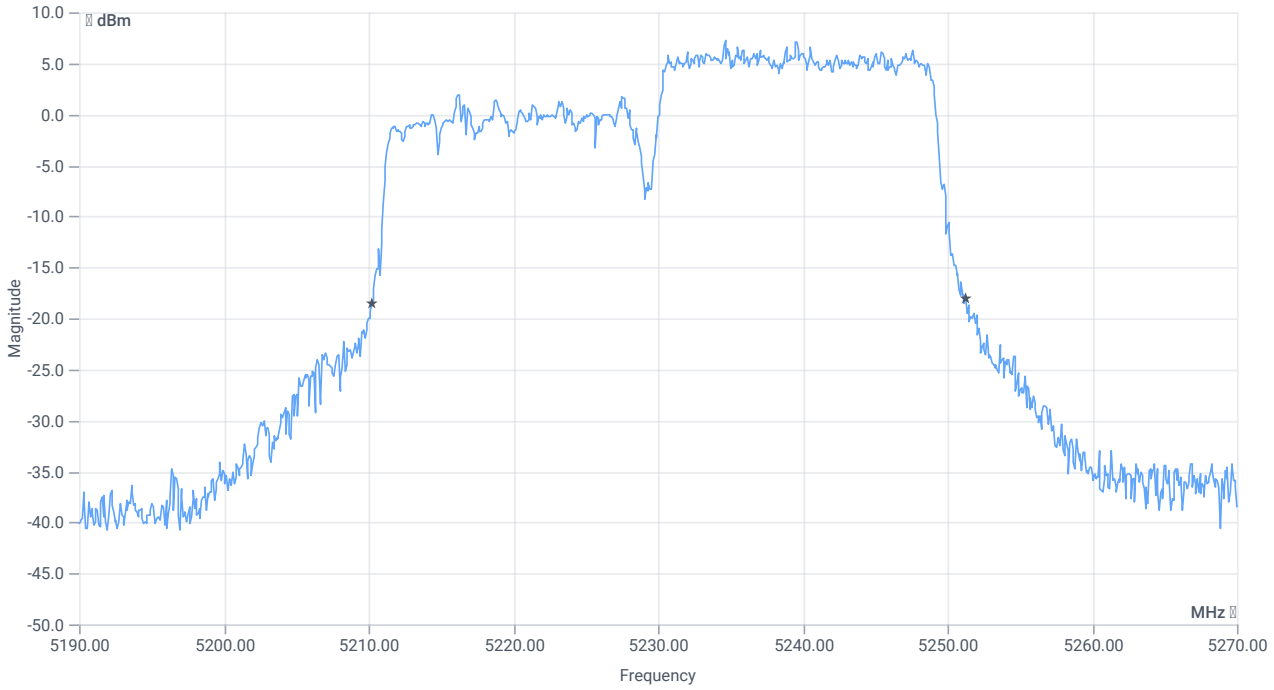
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.64	dBm	INFO
Ref. frequency	---	---	5239.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

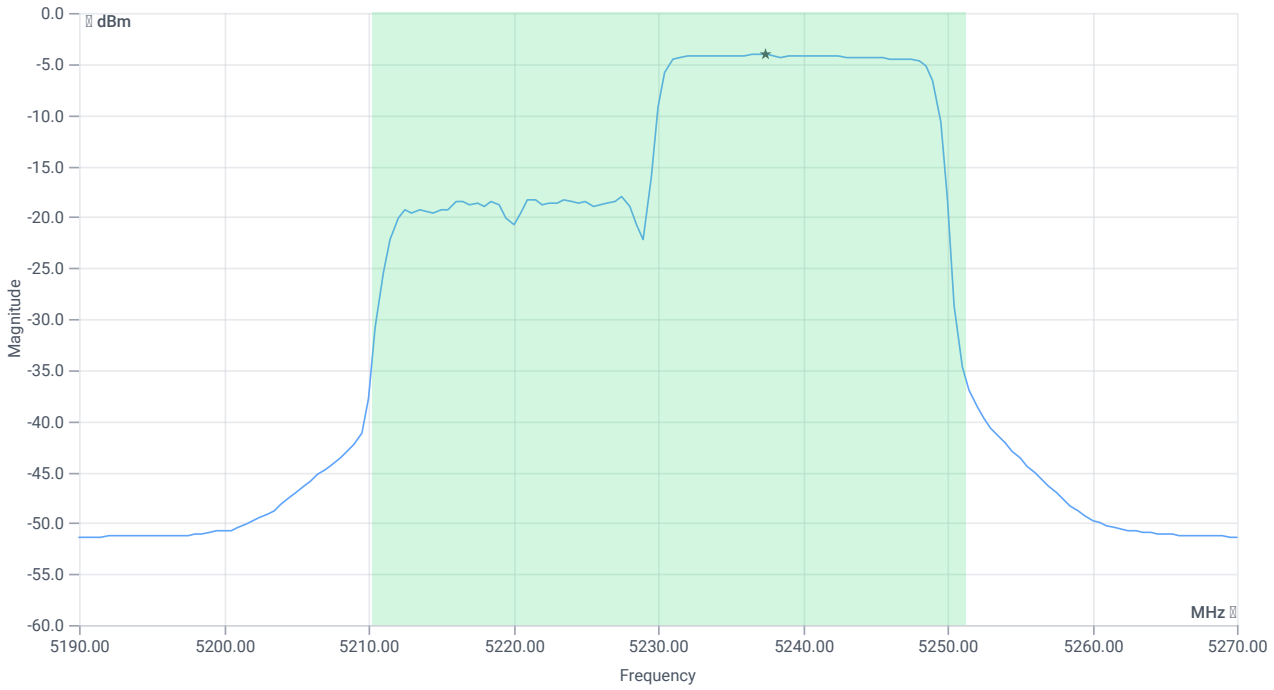
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.04	MHz	INFO
T1 26dB	---	---	5210.2400	MHz	INFO
T2 26dB	---	---	5251.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.64 | 10.86 | 25
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	---	---	8.3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.3	dBm	PASS
LIMIT: 11 dBm + 10 log 41.04					
Max output power DC corrected cond	---	27.13	8.3	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.11	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.11	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	22.01.2026 13:36:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

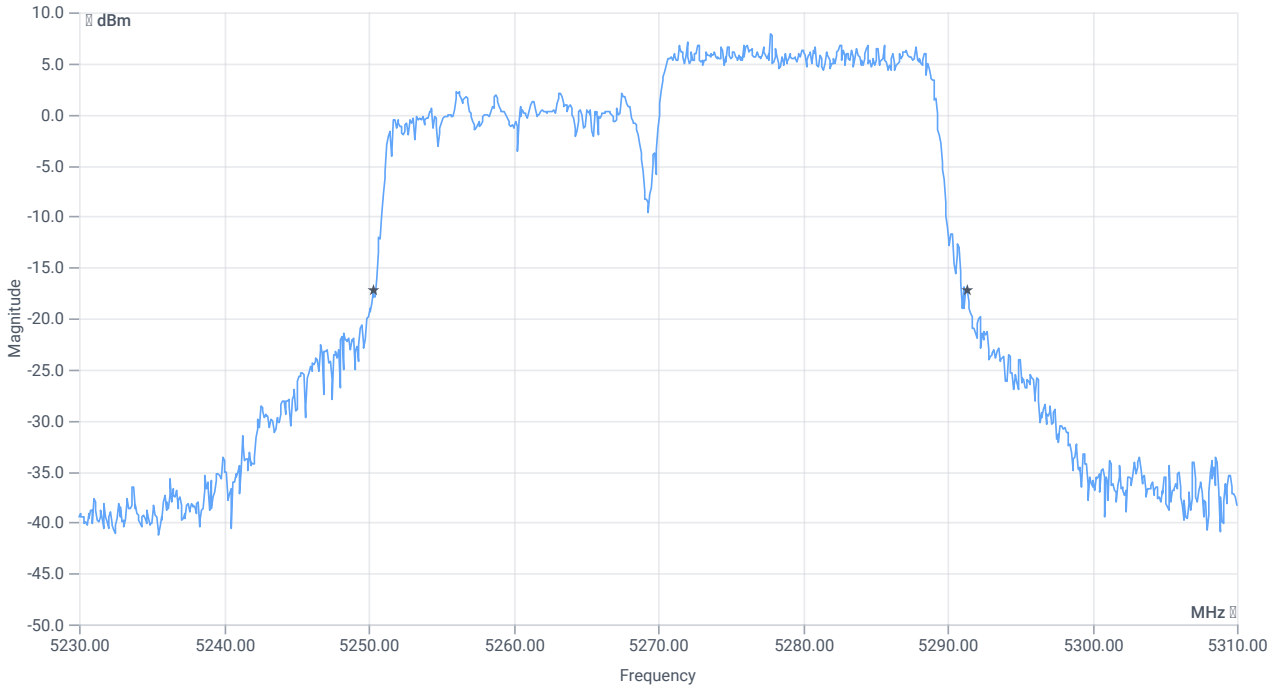
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.62	dBm	INFO
Ref. frequency	---	---	5286.980	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.04	MHz	INFO
T1 26dB	---	---	5250.3200	MHz	INFO
T2 26dB	---	---	5291.3600	MHz	INFO

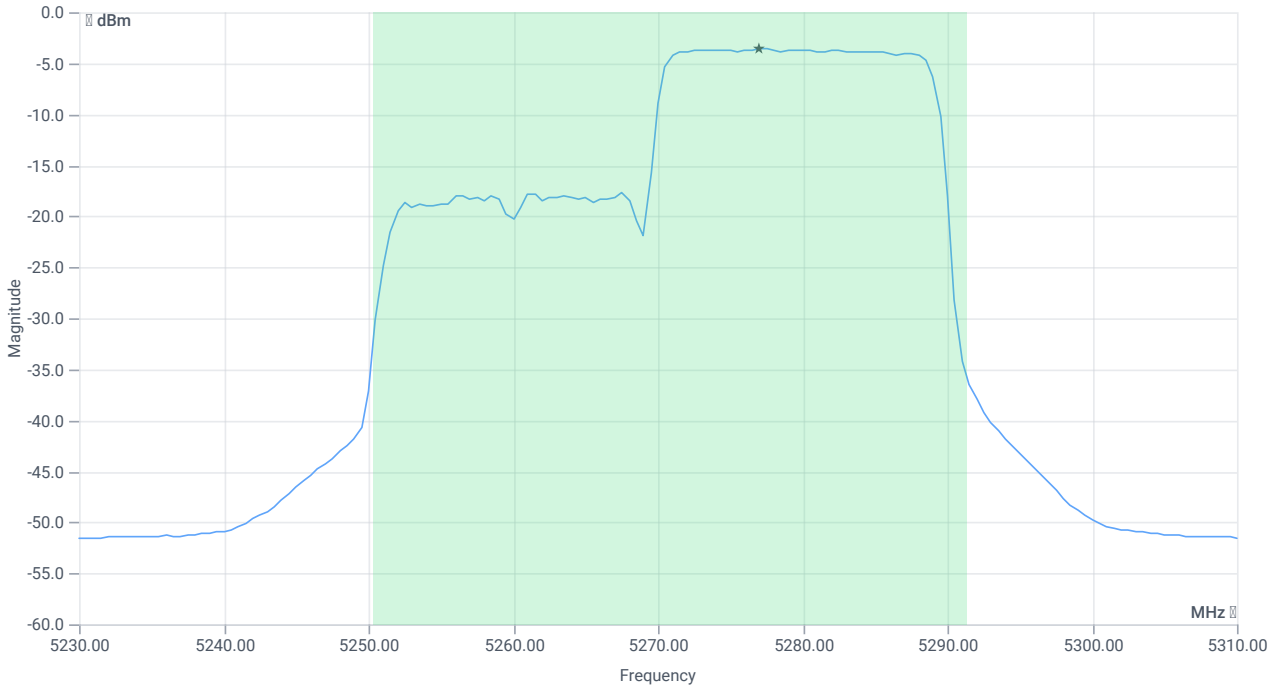
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.62 | 10.84 | 25
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	---	---	8.75	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.75	dBm	PASS
LIMIT: 11 dBm + 10 log 41.04					
Max output power DC corrected cond	---	27.13	8.75	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.75	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	---	---	-3.62	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.62	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

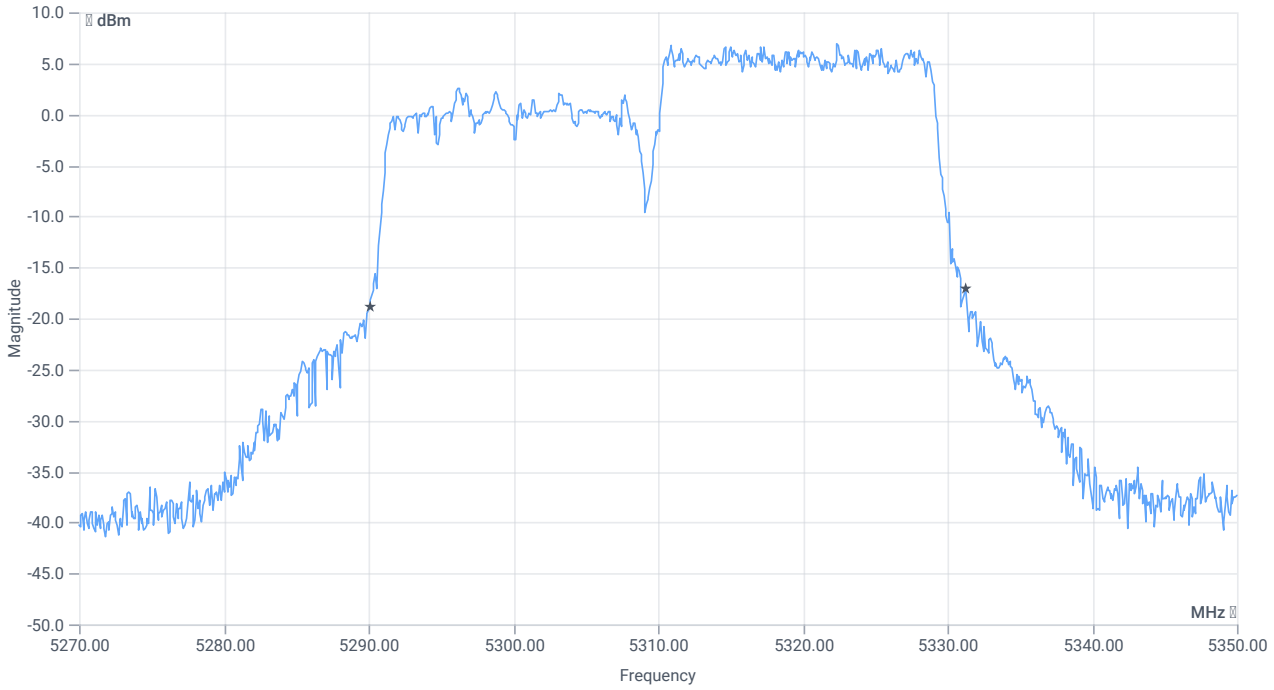
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.16	dBm	INFO
Ref. frequency	---	---	5315.590	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.2	MHz	INFO
T1 26dB	---	---	5290.0800	MHz	INFO
T2 26dB	---	---	5331.2800	MHz	INFO

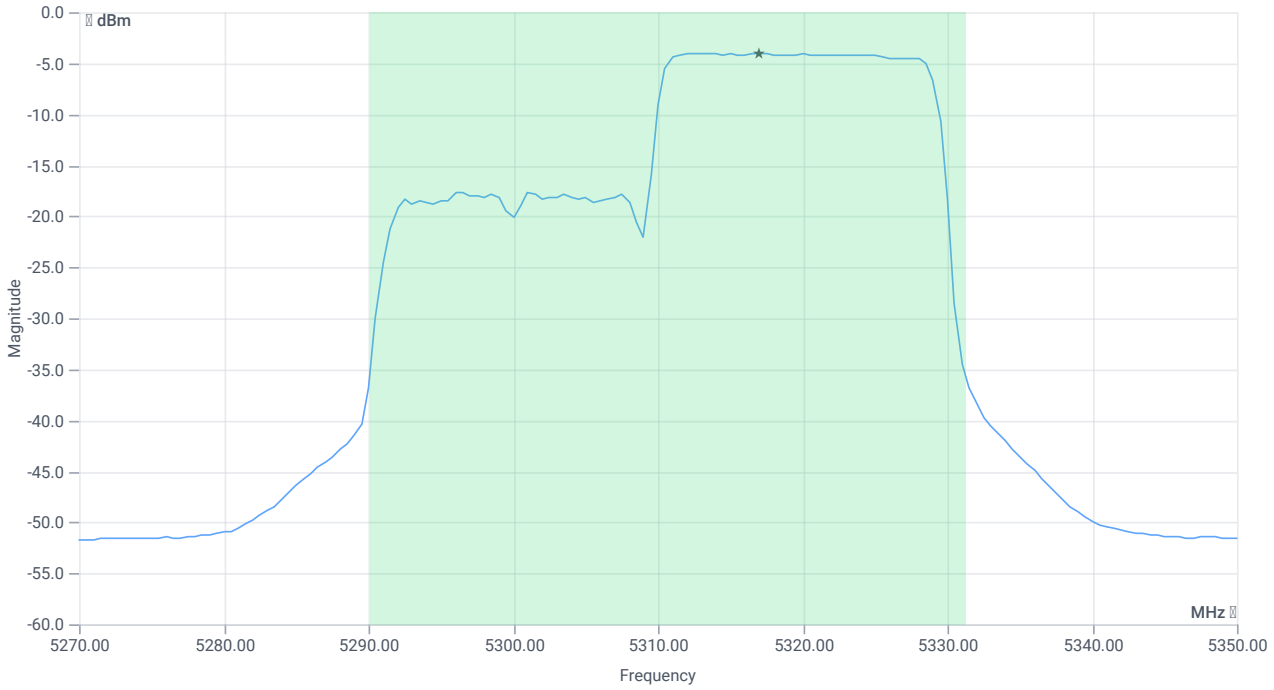
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.16 | 10.79 | 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	---	---	8.38	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.38	dBm	PASS
LIMIT: 11 dBm + 10 log 41.2					
Max output power DC corrected cond	---	27.15	8.38	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.38	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	---	---	-4.04	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.04	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	22.01.2026 13:42:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

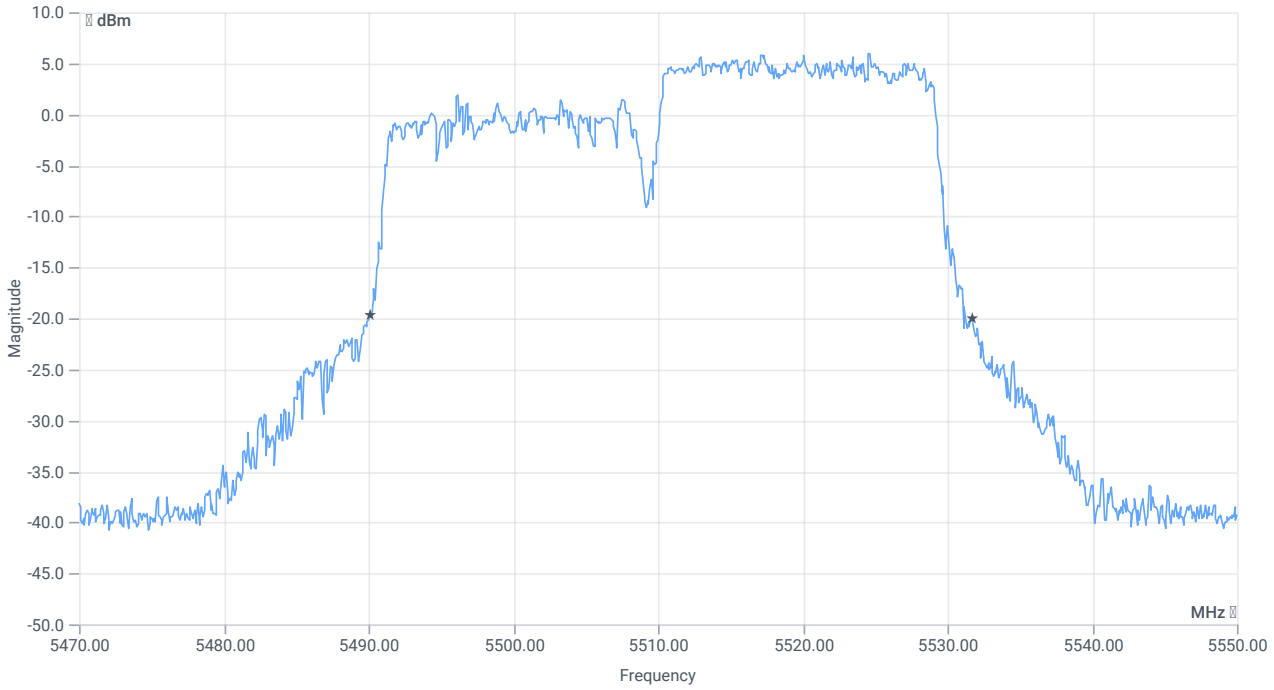
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.97	dBm	INFO
Ref. frequency	---	---	5523.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

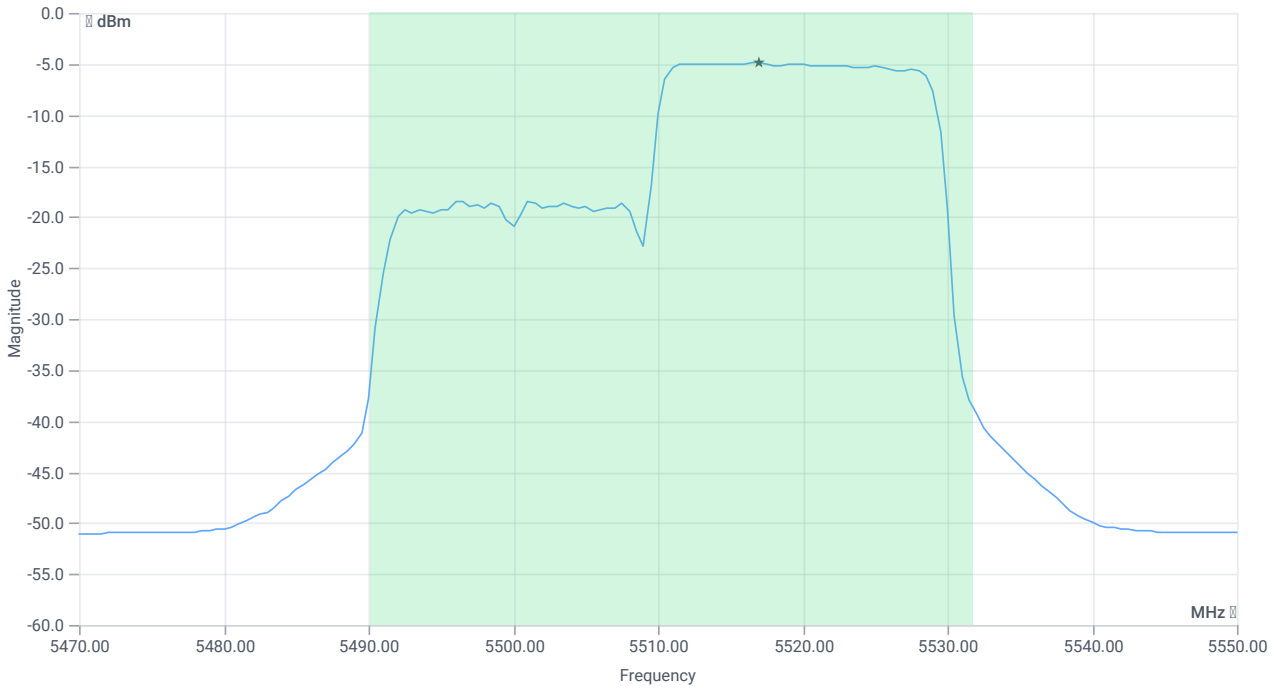
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.6	MHz	INFO
T1 26dB	---	---	5490.0800	MHz	INFO
T2 26dB	---	---	5531.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.97 | 10.94 | 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	---	---	7.44	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.44	dBm	PASS
LIMIT: 11 dBm + 10 log 41.6					
Max output power DC corrected cond	---	27.19	7.44	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.44	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	---	---	-4.94	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.94	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

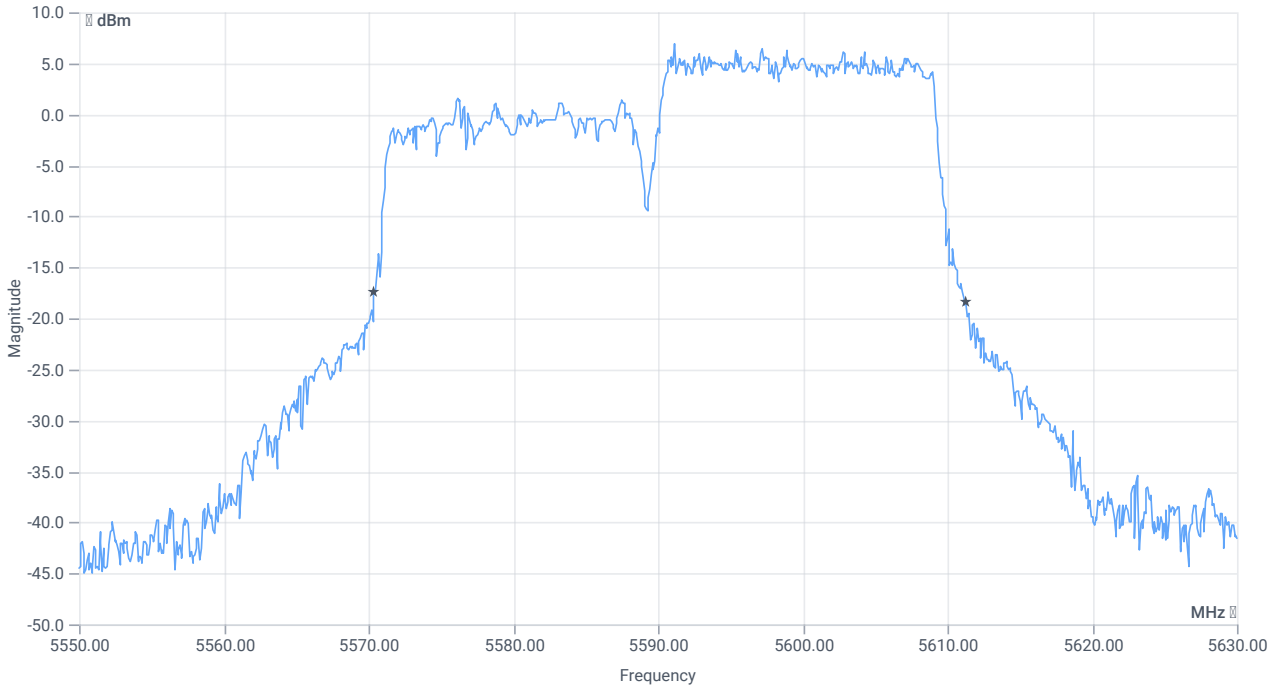
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.65	dBm	INFO
Ref. frequency	---	---	5597.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

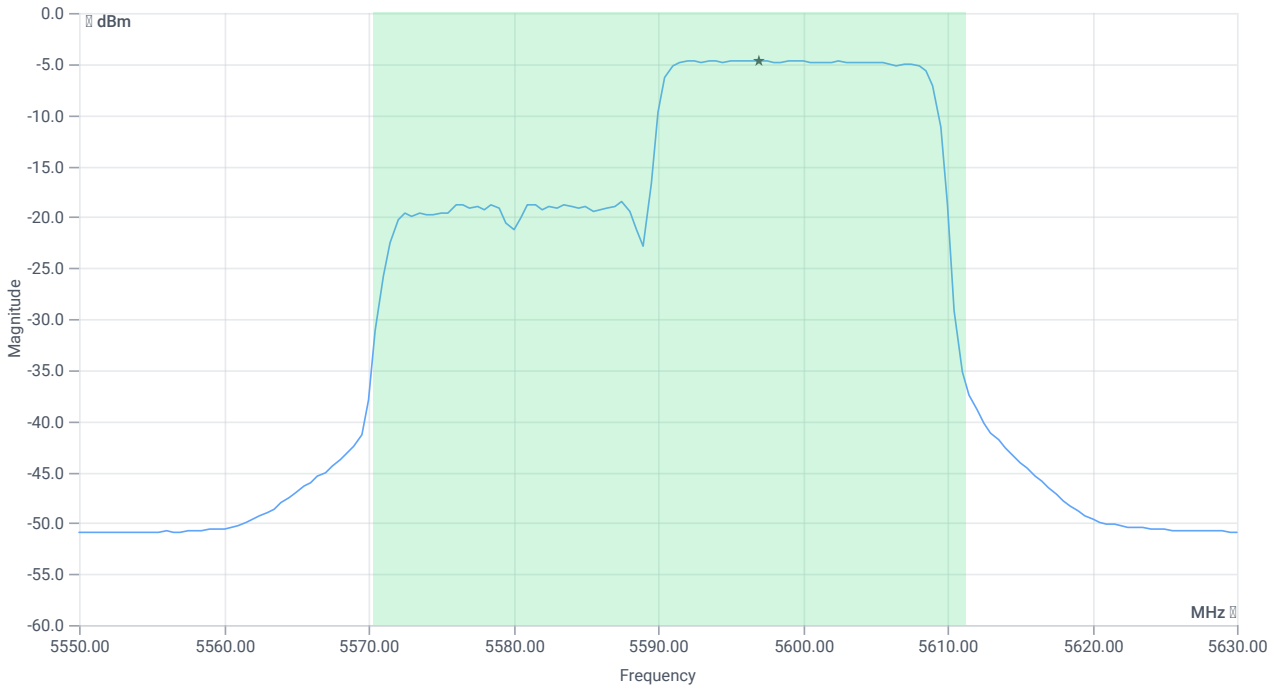
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.88	MHz	INFO
T1 26dB	---	---	5570.4000	MHz	INFO
T2 26dB	---	---	5611.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.65 | 11.06 | 25
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	---	---	7.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.78	dBm	PASS
LIMIT: 11 dBm + 10 log 40.88					
Max output power DC corrected cond	---	27.12	7.78	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.78	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	---	---	-4.65	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.65	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

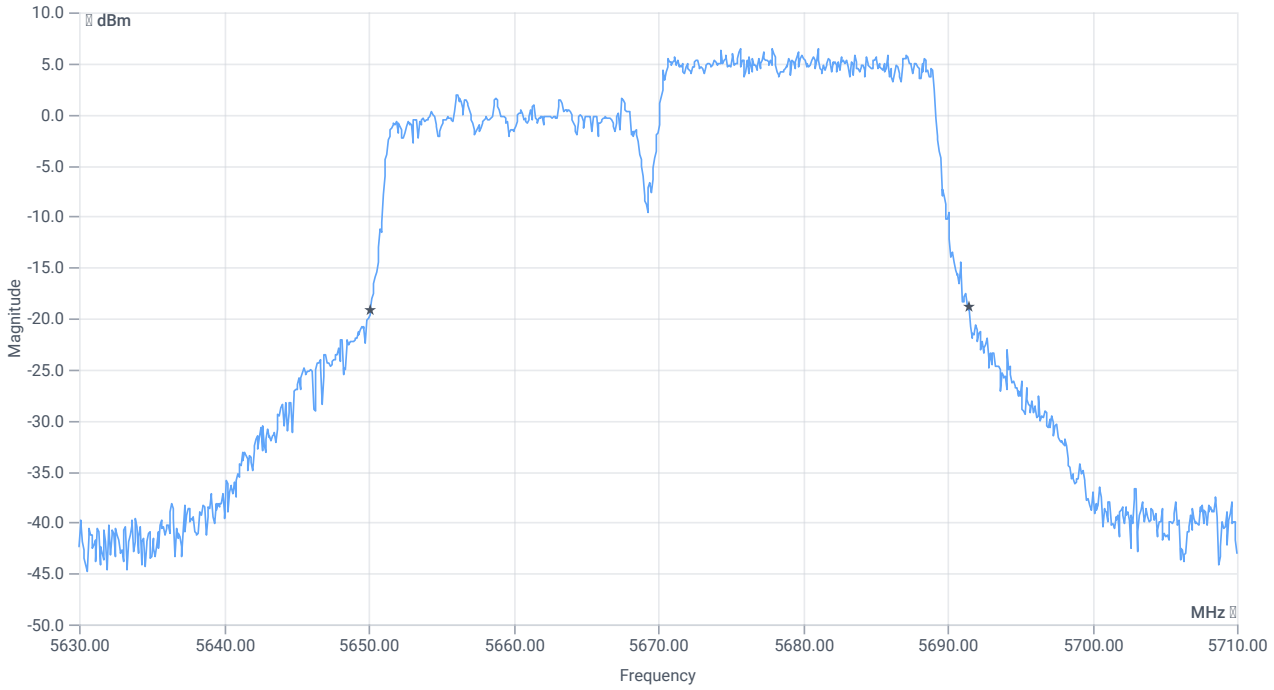
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.06	dBm	INFO
Ref. frequency	---	---	5679.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

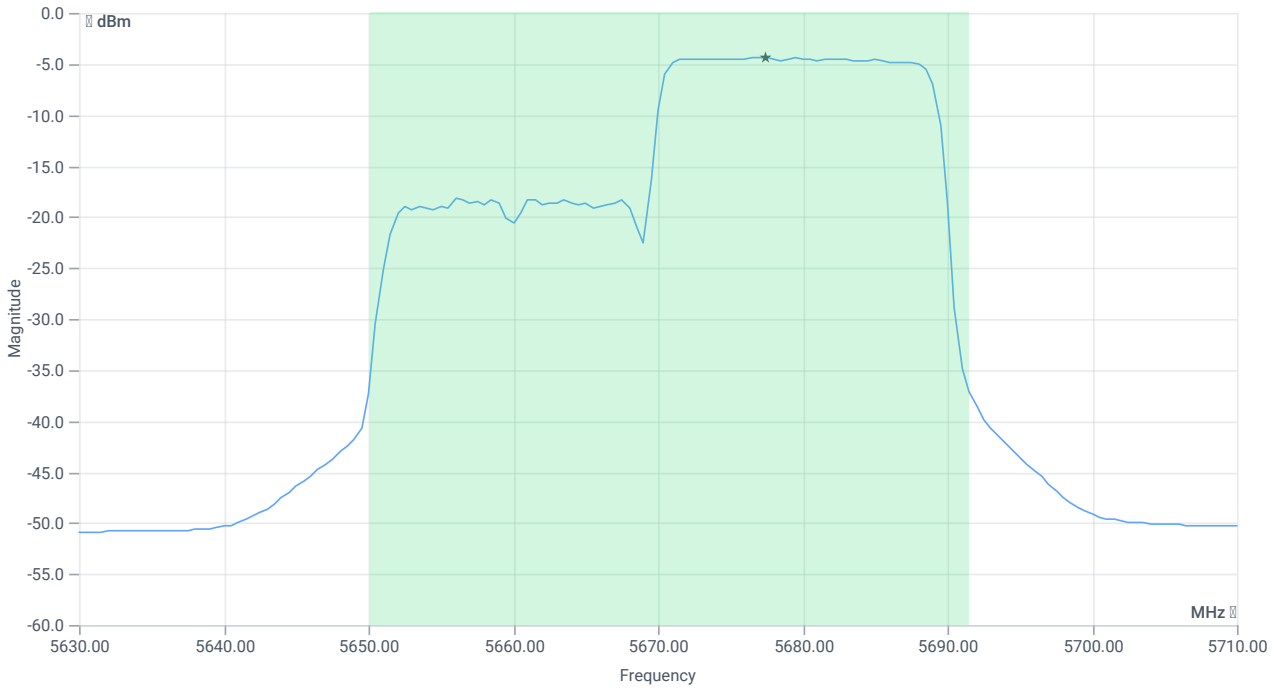
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.36	MHz	INFO
T1 26dB	---	---	5650.1600	MHz	INFO
T2 26dB	---	---	5691.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.06 | 11.09 | 25
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	---	---	7.99	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.99	dBm	PASS
LIMIT: 11 dBm + 10 log 41.36					
Max output power DC corrected cond	---	27.17	7.99	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	7.99	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	---	---	-4.43	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.43	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	22.01.2026 13:48:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

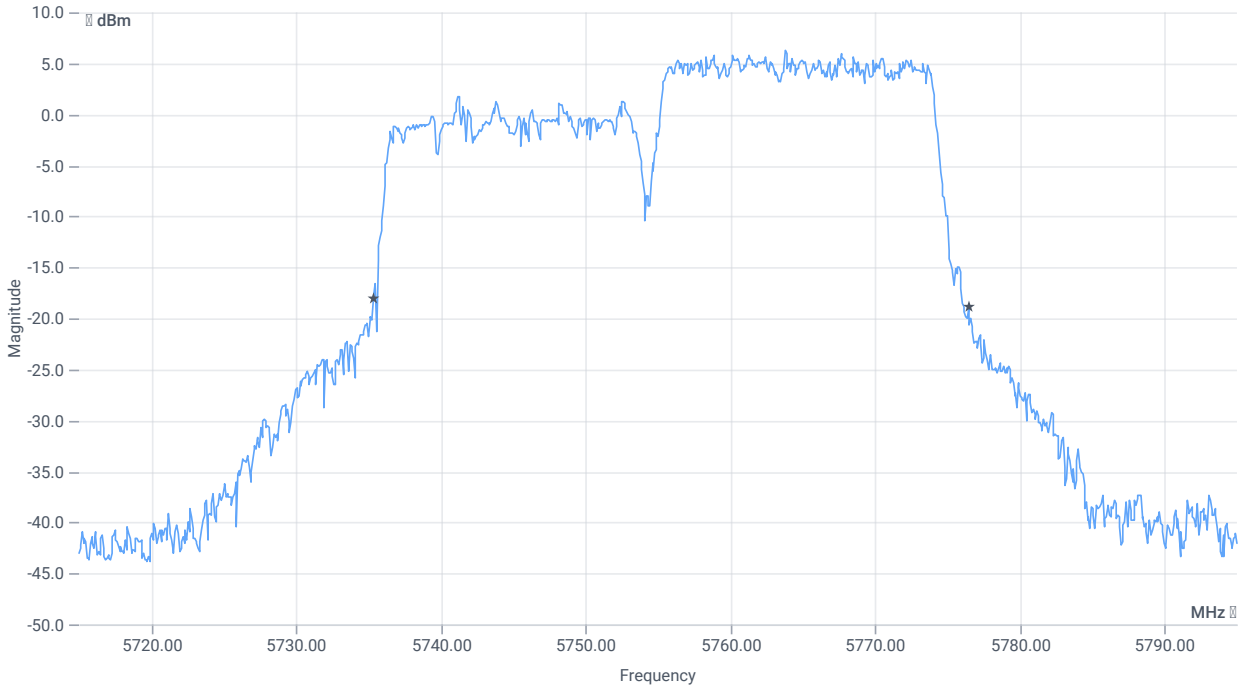
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.59	dBm	INFO
Ref. frequency	---	---	5764.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

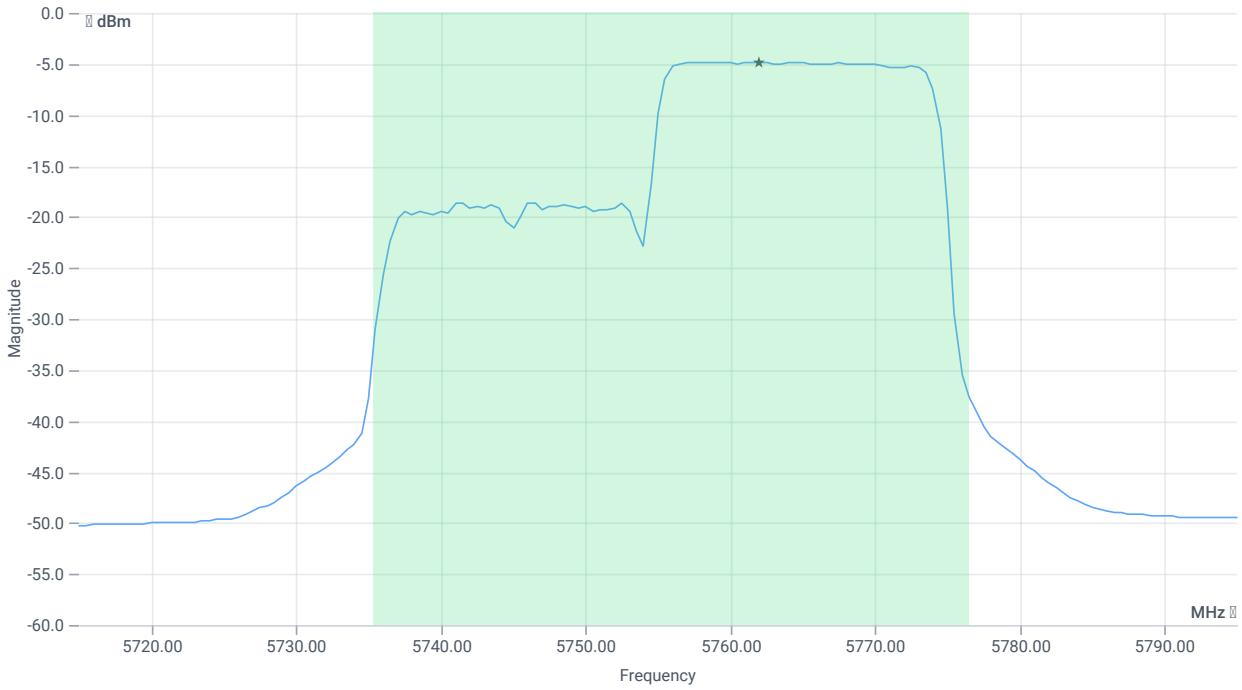
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.12	MHz	INFO
T1 26dB	---	---	5735.3200	MHz	INFO
T2 26dB	---	---	5776.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.59 | 11.16 | 25
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	---	---	7.6	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.6	dBm	PASS
LIMIT: 11 dBm + 10 log 41.12					
Max output power DC corrected cond	---	27.14	7.6	dBm	na

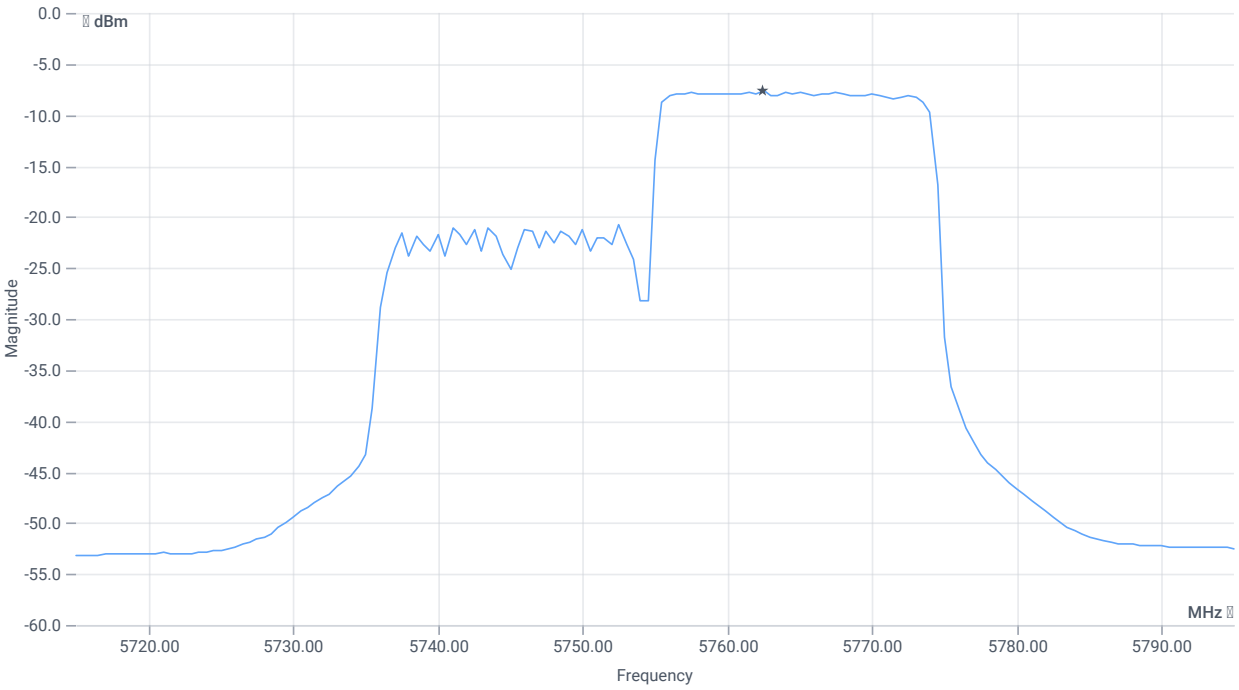
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.59 | 11.16 | 25

READ SA SETTINGS:

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	---	---	-7.67	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.67	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

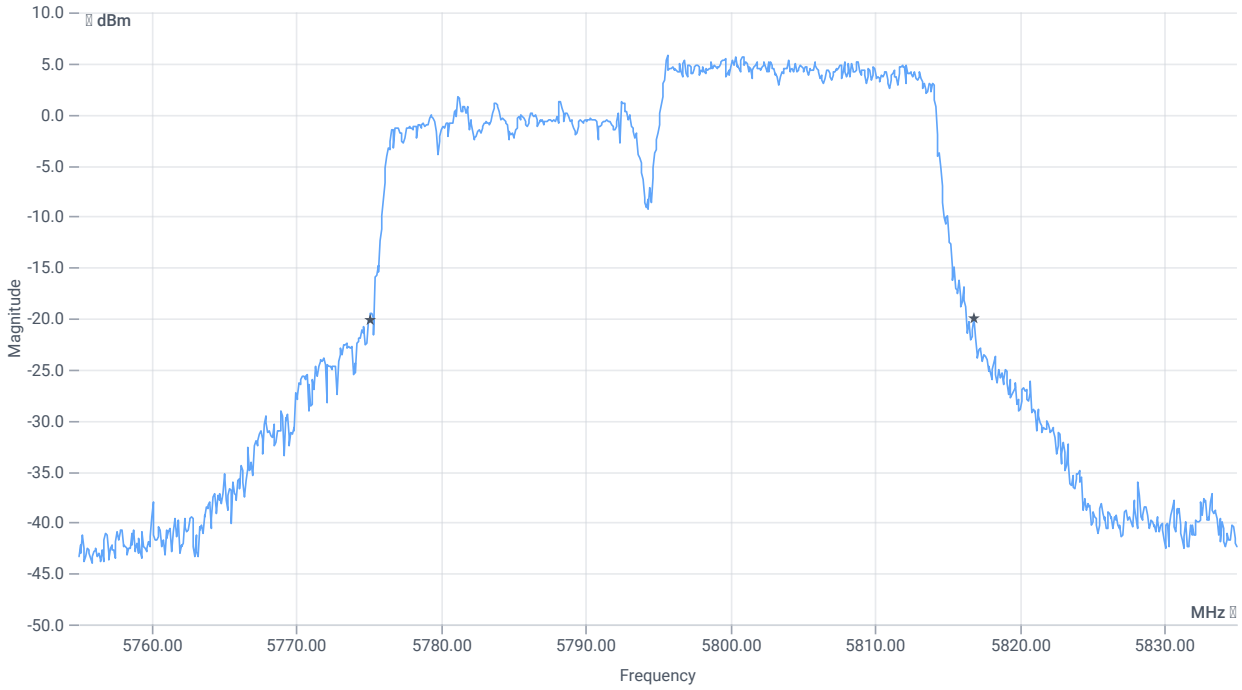
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.93	dBm	INFO
Ref. frequency	---	---	5797.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

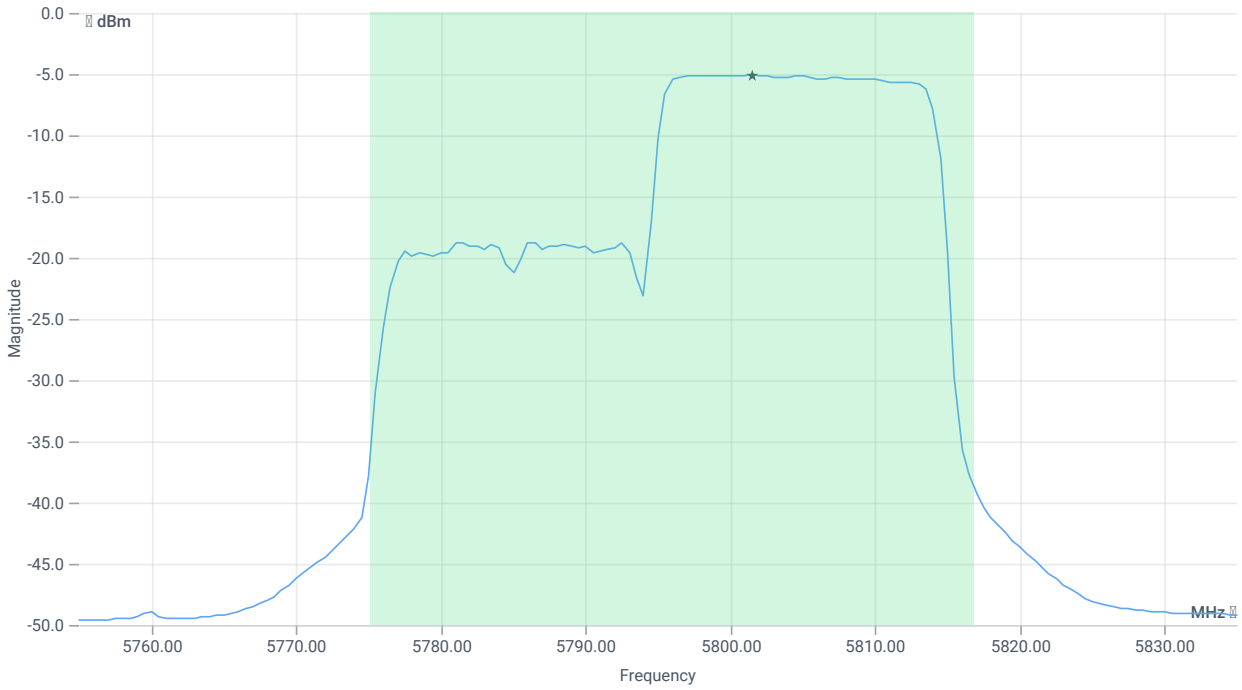
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.76	MHz	INFO
T1 26dB	---	---	5775.0800	MHz	INFO
T2 26dB	---	---	5816.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.93 | 11.36 | 25
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	---	---	7.3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	7.3	dBm	PASS
LIMIT: 11 dBm + 10 log 41.76					
Max output power DC corrected cond	---	27.21	7.3	dBm	na

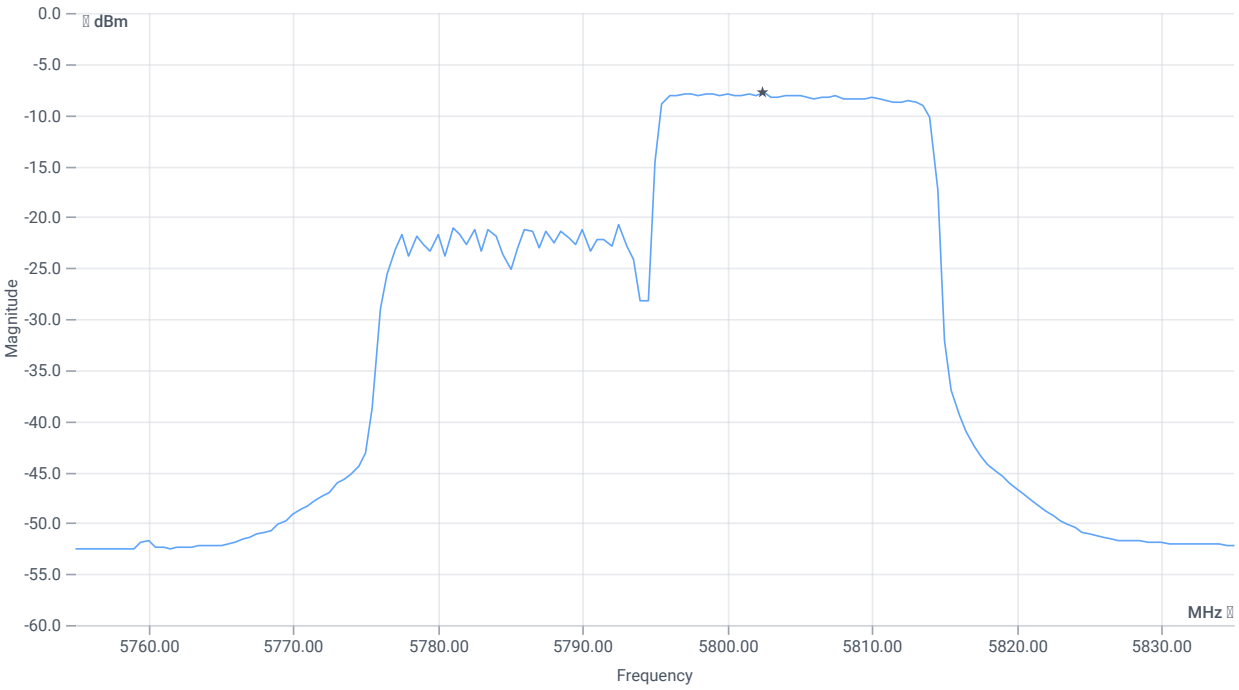
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.93 | 11.36 | 25

READ SA SETTINGS:

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	---	---	-7.86	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.86	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	21.01.2026 14:42:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5190 MHz

RESULT: Reference power cond.

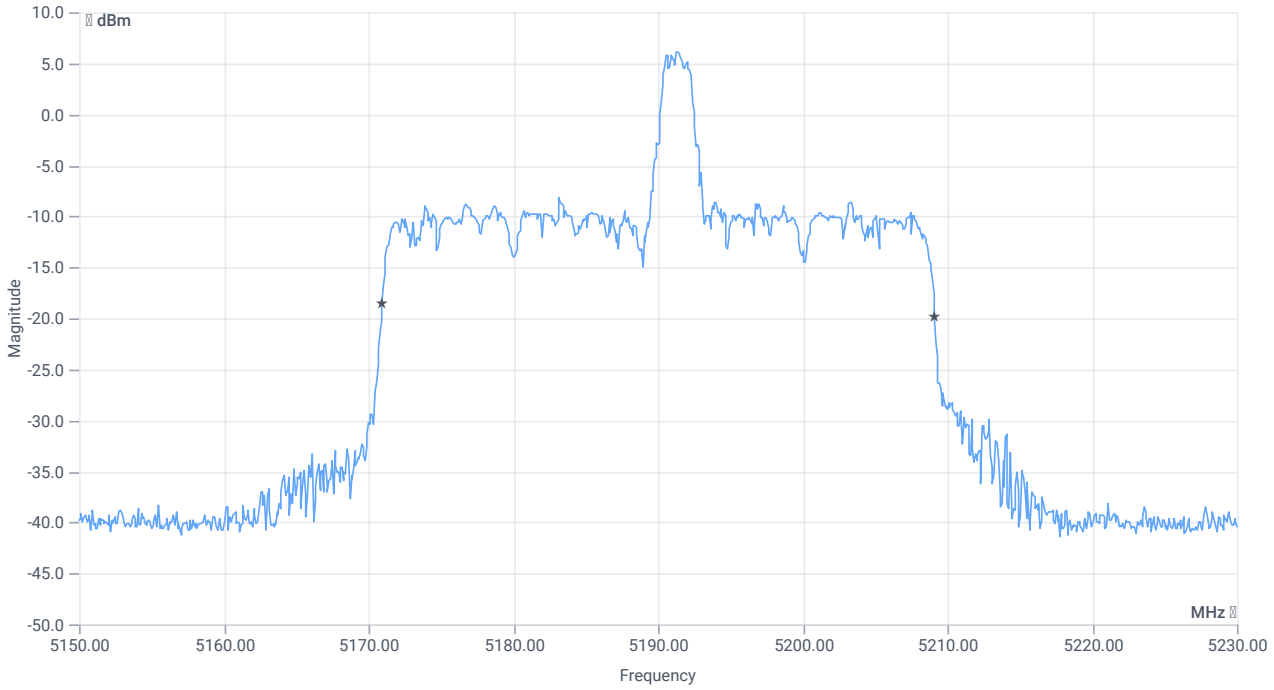
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.41	dBm	INFO
Ref. frequency	---	---	5191.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

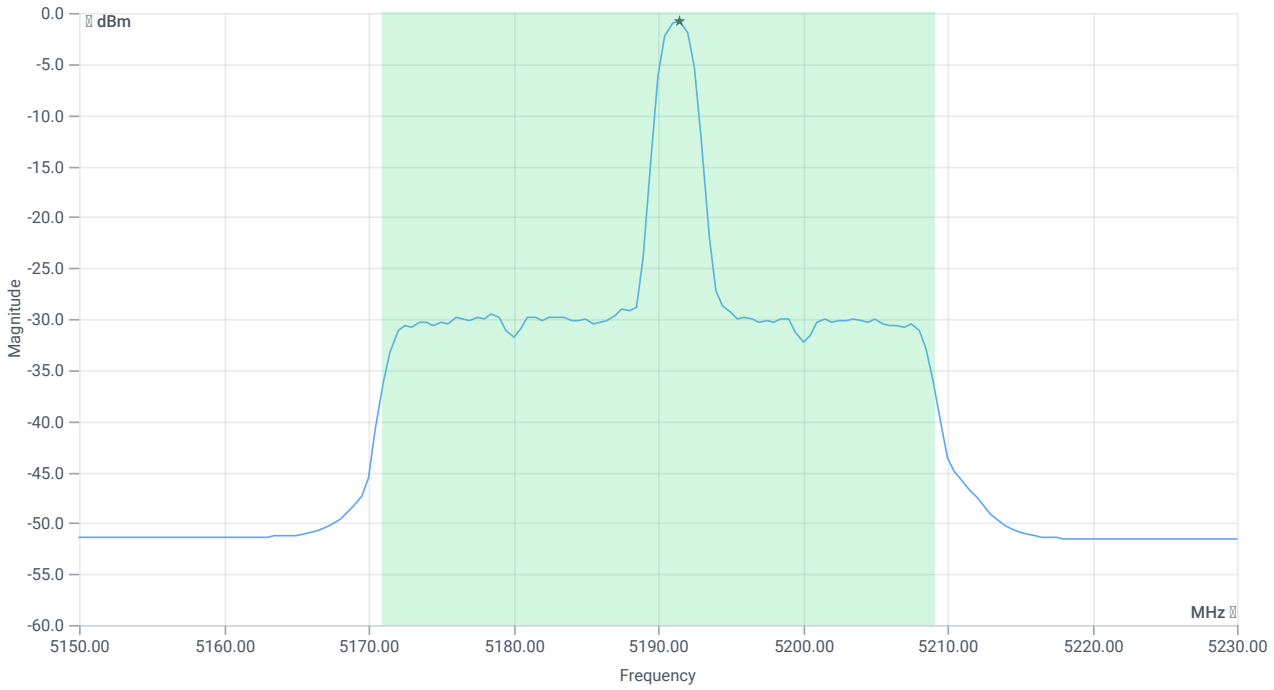
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.16	MHz	INFO
T1 26dB	---	---	5170.9600	MHz	INFO
T2 26dB	---	---	5209.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.41 | 10.87 | 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	---	---	2.23	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.23	dBm	PASS
LIMIT: 11 dBm + 10 log 38.16					
Max output power DC corrected cond	---	26.82	2.23	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.87	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.87	dBm/1MHz	PASS

Test at TX 5230 MHz

RESULT: Reference power cond.

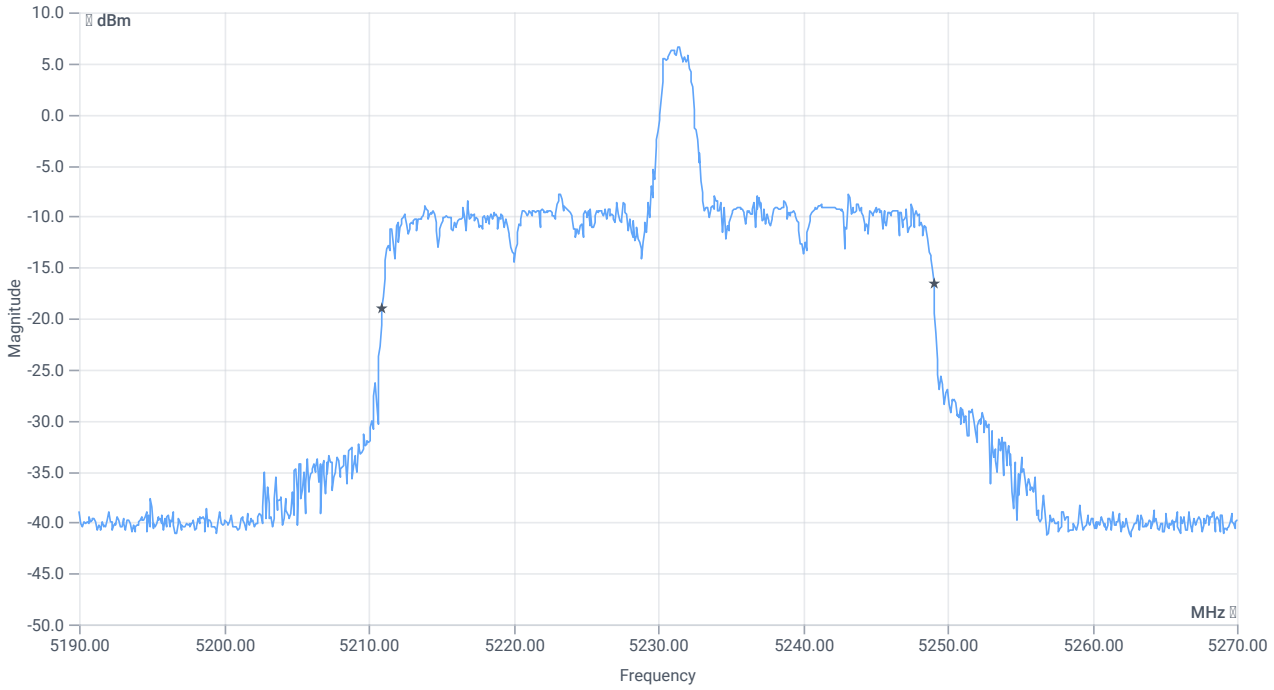
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.03	dBm	INFO
Ref. frequency	---	---	5231.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

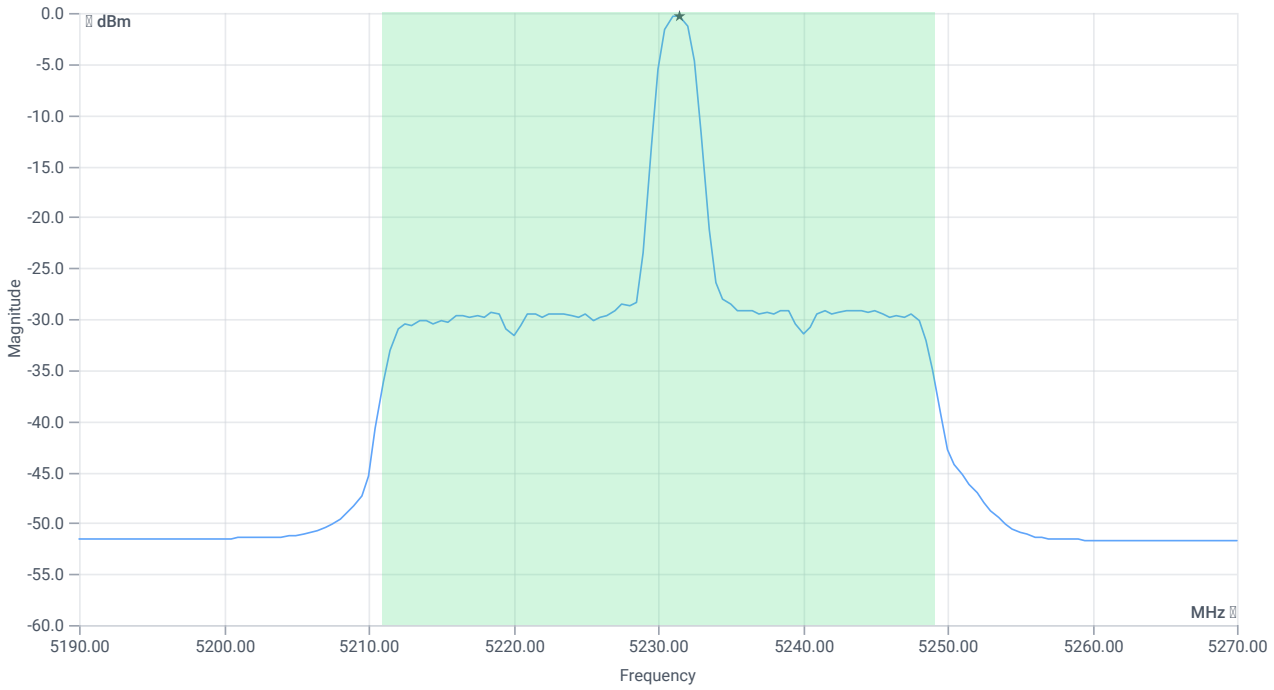
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5210.9600	MHz	INFO
T2 26dB	---	---	5249.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.03 | 10.86 | 25
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	---	---	2.84	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.84	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	2.84	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.25	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.25	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	21.01.2026 14:47:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5270 MHz

RESULT: Reference power cond.

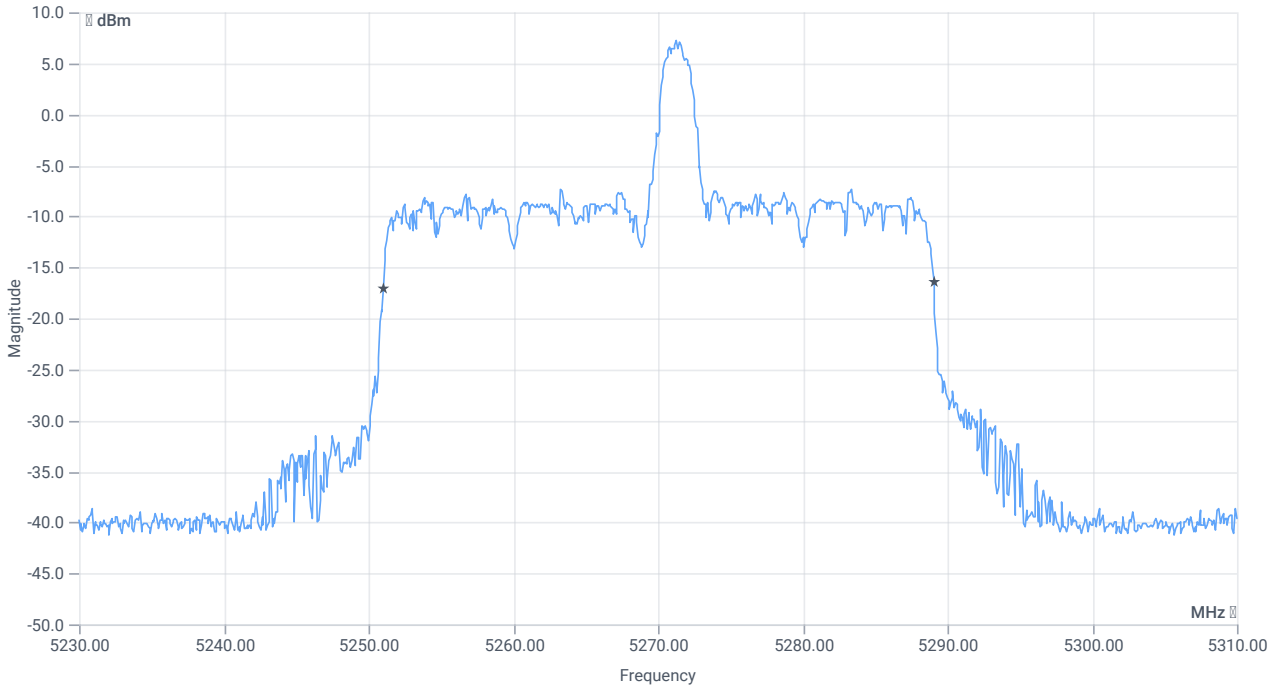
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.29	dBm	INFO
Ref. frequency	---	---	5271.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38	MHz	INFO
T1 26dB	---	---	5251.0400	MHz	INFO
T2 26dB	---	---	5289.0400	MHz	INFO

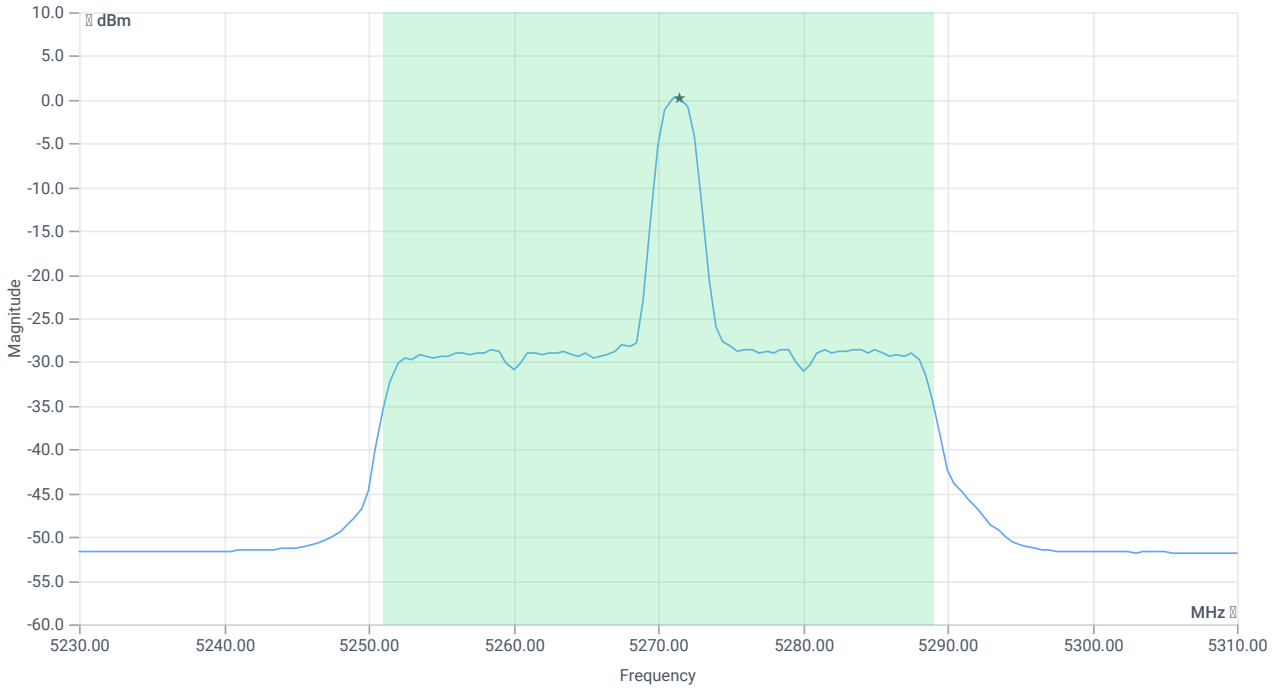
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.29 | 10.84 | 25
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	---	---	3.33	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.33	dBm	PASS
LIMIT: 11 dBm + 10 log 38					
Max output power DC corrected cond	---	26.8	3.33	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.33	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	---	---	0.24	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.24	dBm/1MHz	PASS

Test at TX 5310 MHz

RESULT: Reference power cond.

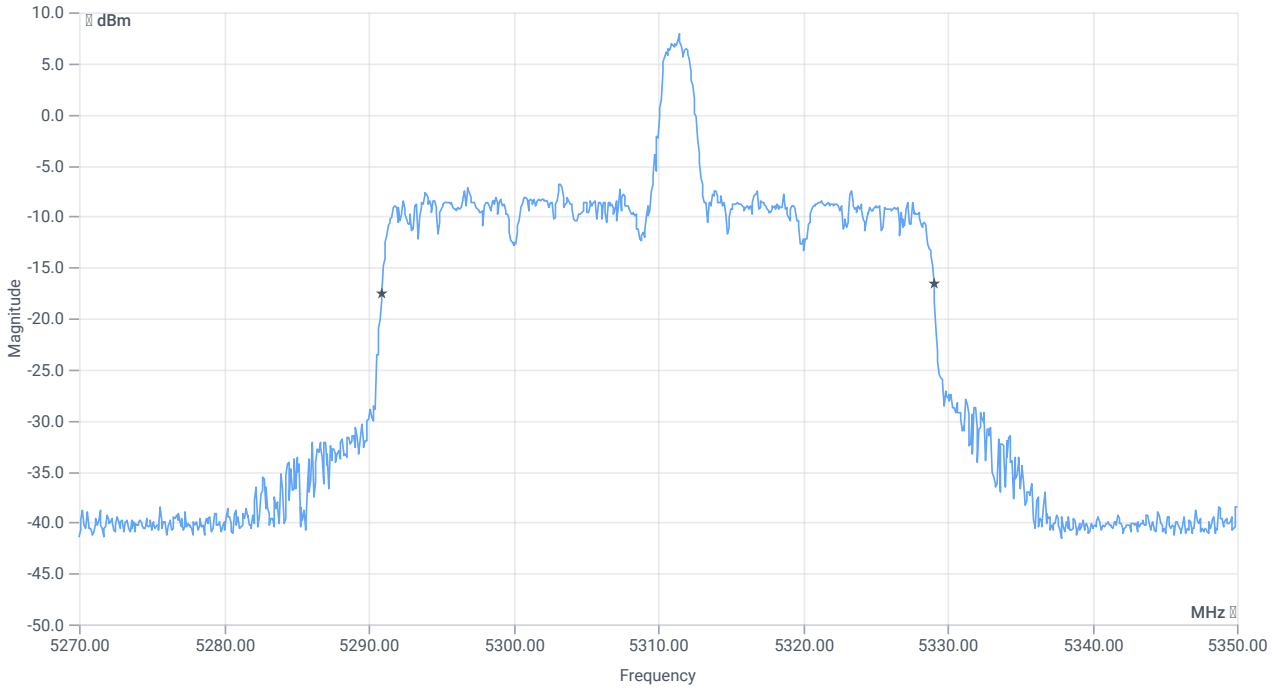
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.03	dBm	INFO
Ref. frequency	---	---	5311.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5290.9600	MHz	INFO
T2 26dB	---	---	5329.0400	MHz	INFO

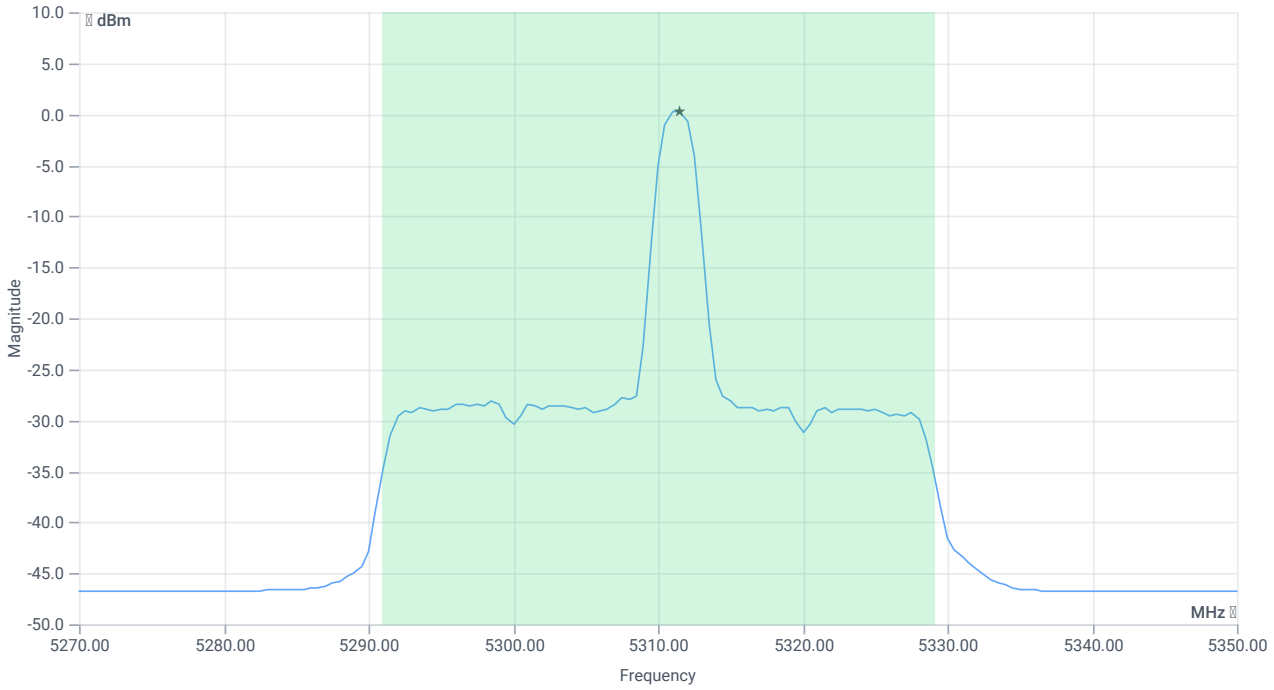
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.03 | 10.79 | 30
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	---	---	3.4	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.4	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	3.4	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.4	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	---	---	0.31	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.31	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	21.01.2026 14:53:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5510 MHz

RESULT: Reference power cond.

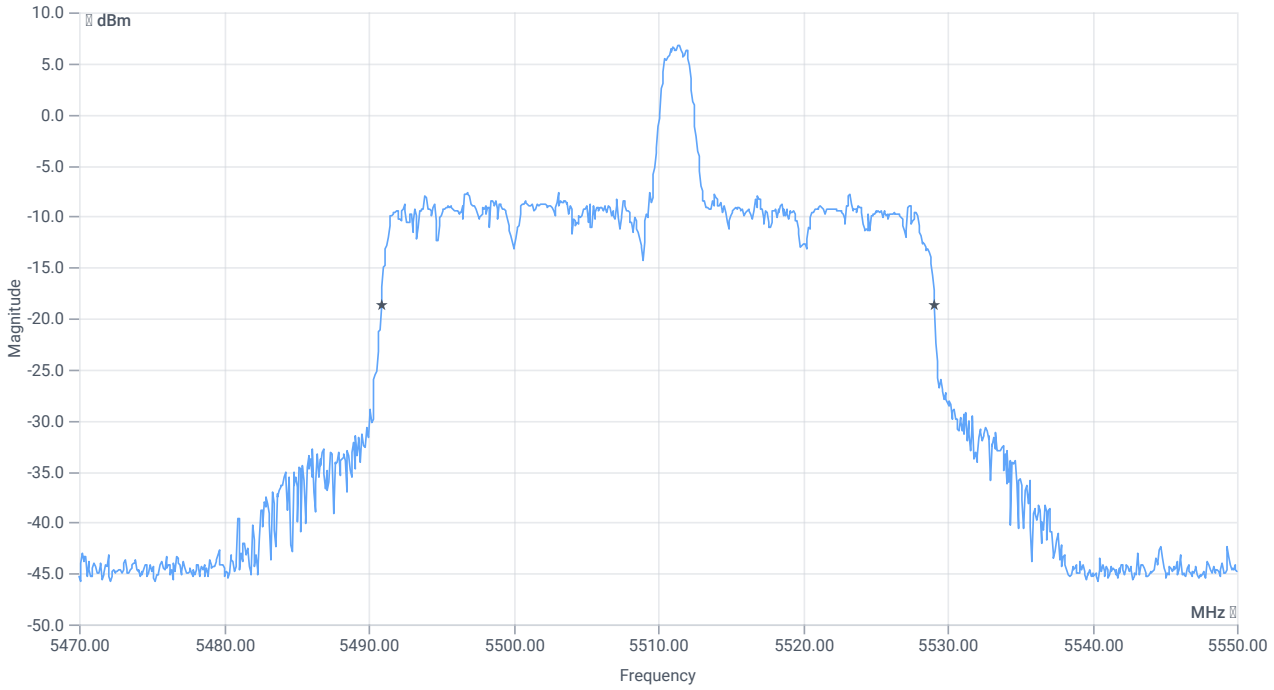
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.59	dBm	INFO
Ref. frequency	---	---	5511.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

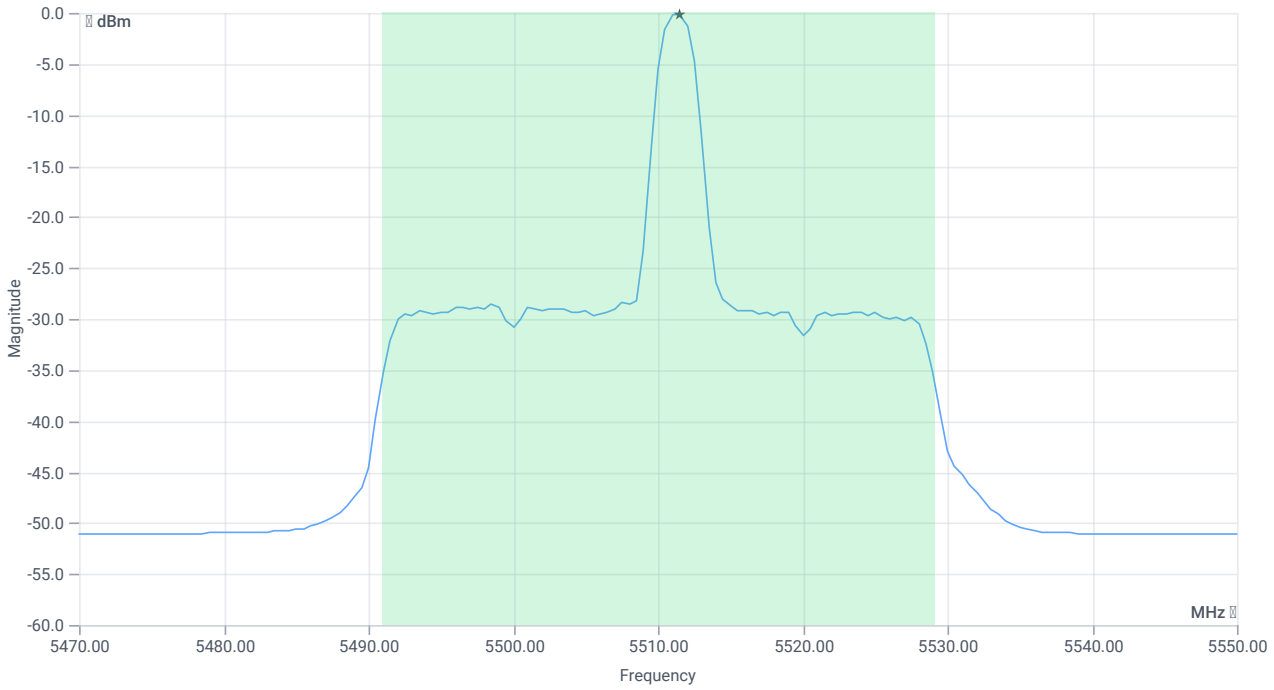
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.24	MHz	INFO
T1 26dB	---	---	5490.8800	MHz	INFO
T2 26dB	---	---	5529.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.59 | 10.94 | 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	---	---	2.92	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.92	dBm	PASS
LIMIT: 11 dBm + 10 log 38.24					
Max output power DC corrected cond	---	26.83	2.92	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.92	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	---	---	-0.18	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.18	dBm/1MHz	PASS

Test at TX 5590 MHz

RESULT: Reference power cond.

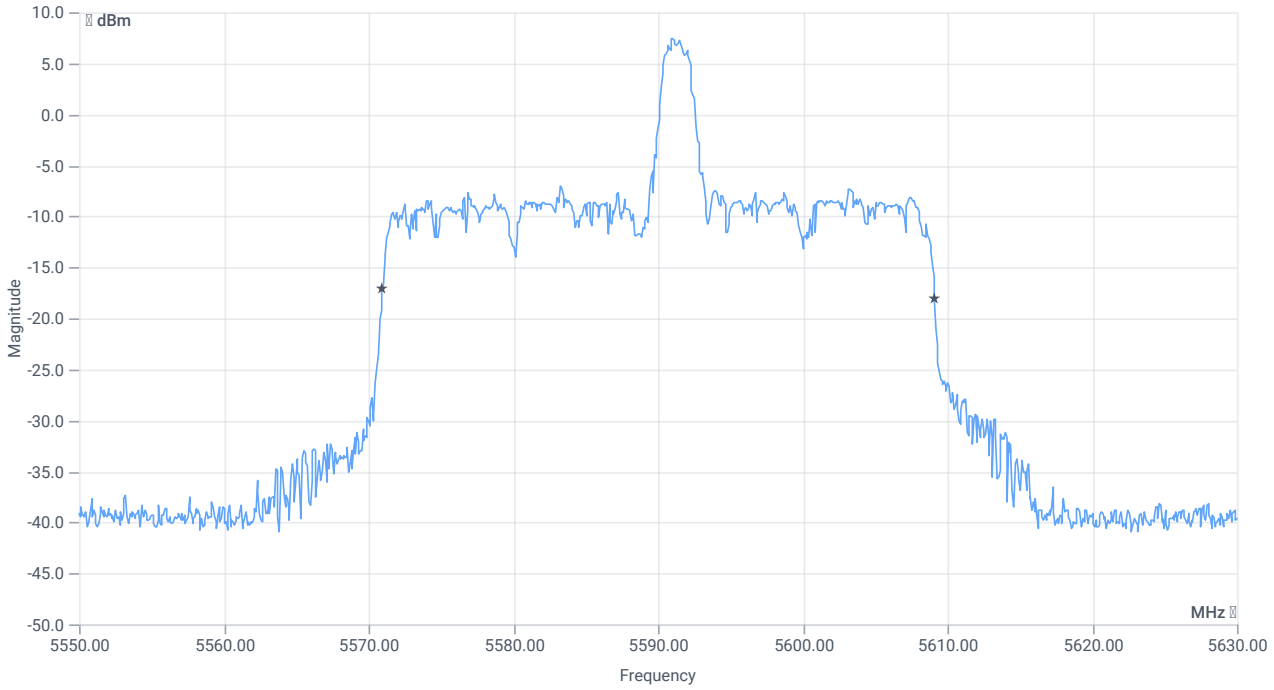
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.27	dBm	INFO
Ref. frequency	---	---	5590.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

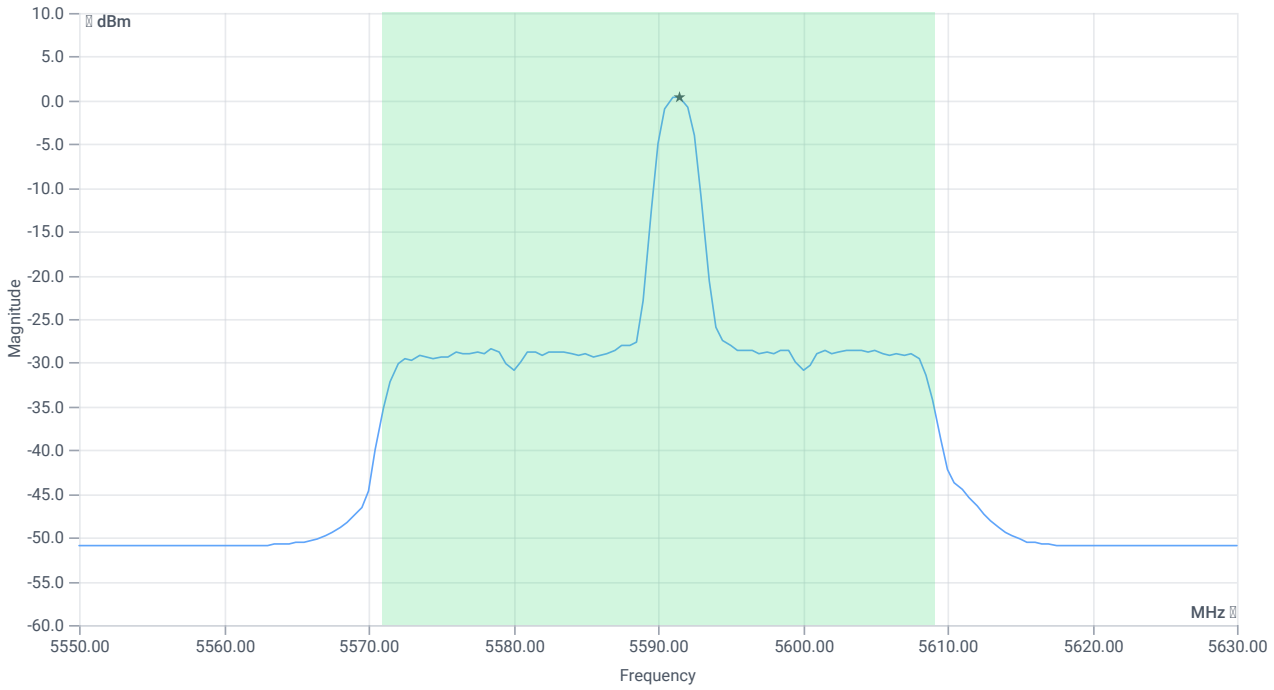
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.16	MHz	INFO
T1 26dB	---	---	5570.9600	MHz	INFO
T2 26dB	---	---	5609.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.27 | 11.06 | 25
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	---	---	3.43	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.43	dBm	PASS
LIMIT: 11 dBm + 10 log 38.16					
Max output power DC corrected cond	---	26.82	3.43	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.43	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	---	---	0.35	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.35	dBm/1MHz	PASS

Test at TX 5670 MHz

RESULT: Reference power cond.

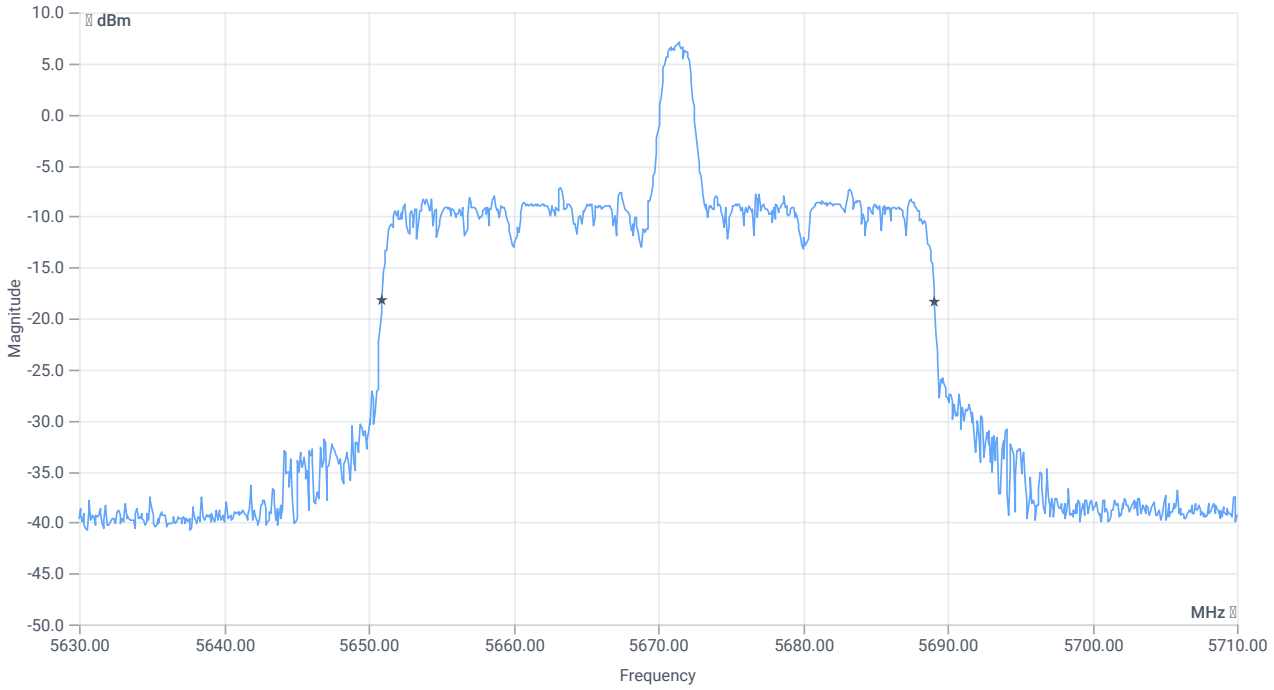
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.32	dBm	INFO
Ref. frequency	---	---	5671.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

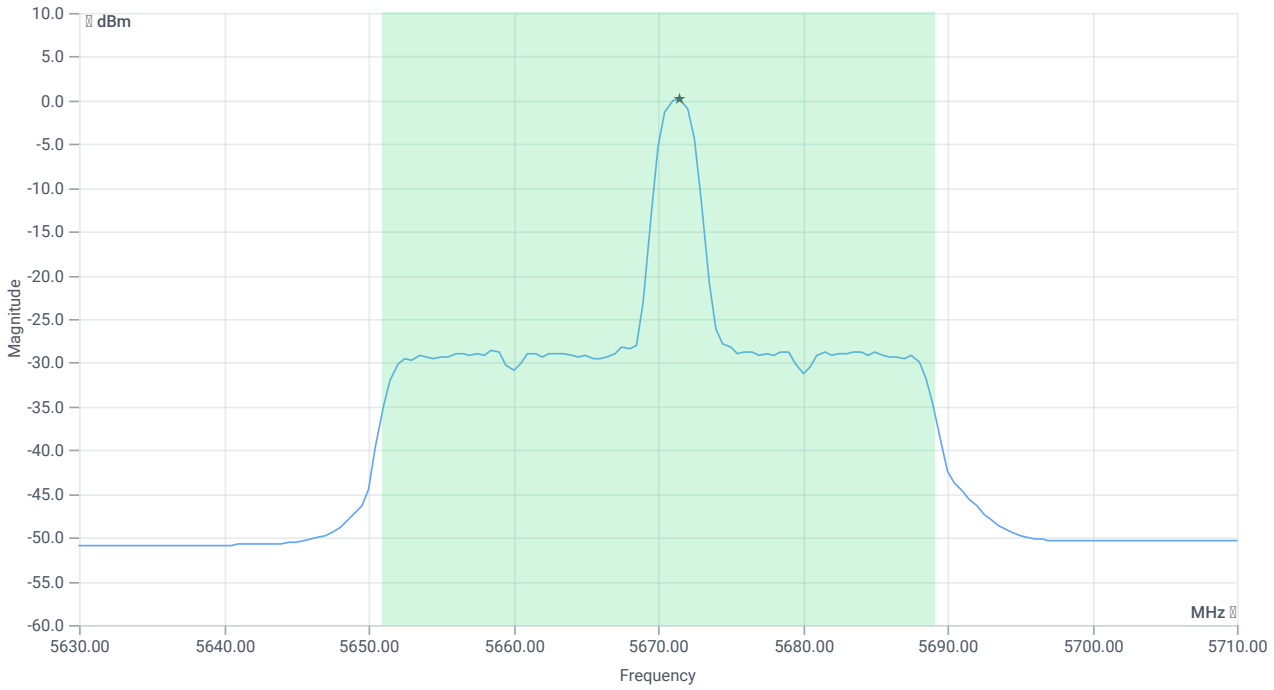
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.16	MHz	INFO
T1 26dB	---	---	5650.9600	MHz	INFO
T2 26dB	---	---	5689.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.32 | 11.09 | 25
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	---	---	3.18	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.18	dBm	PASS
LIMIT: 11 dBm + 10 log 38.16					
Max output power DC corrected cond	---	26.82	3.18	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.18	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	---	---	0.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.09	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	21.01.2026 15:04:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	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 5755 MHz

RESULT: Reference power cond.

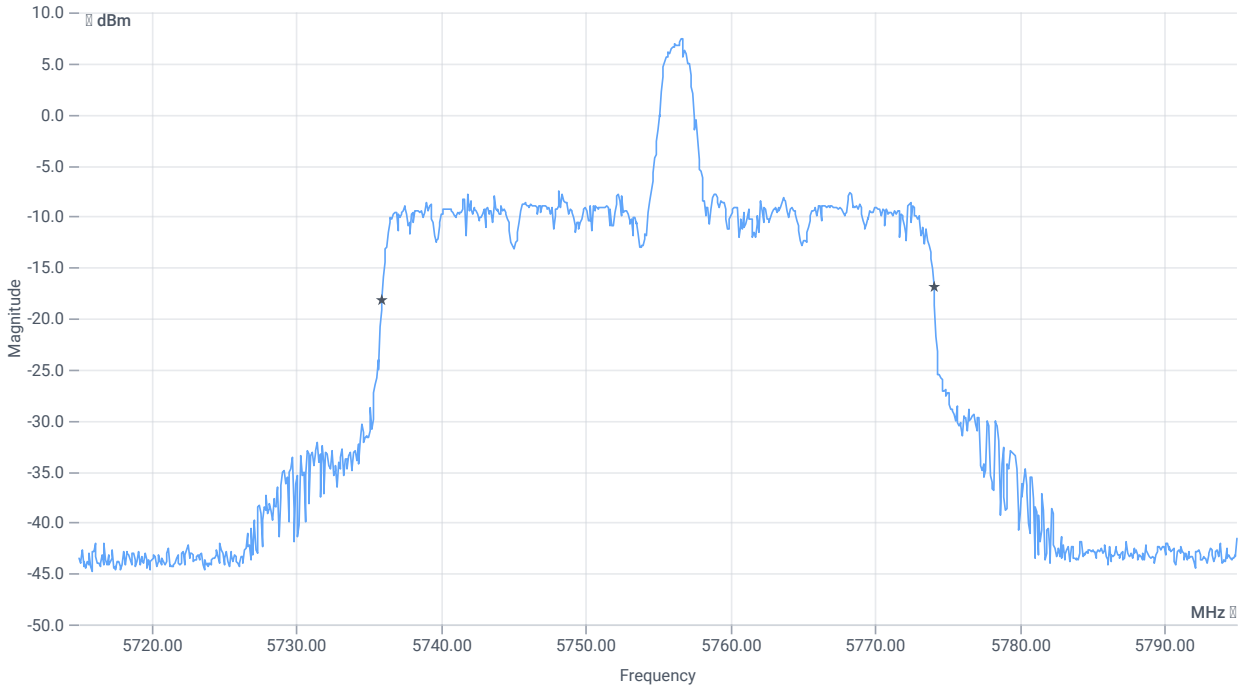
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.45	dBm	INFO
Ref. frequency	---	---	5756.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

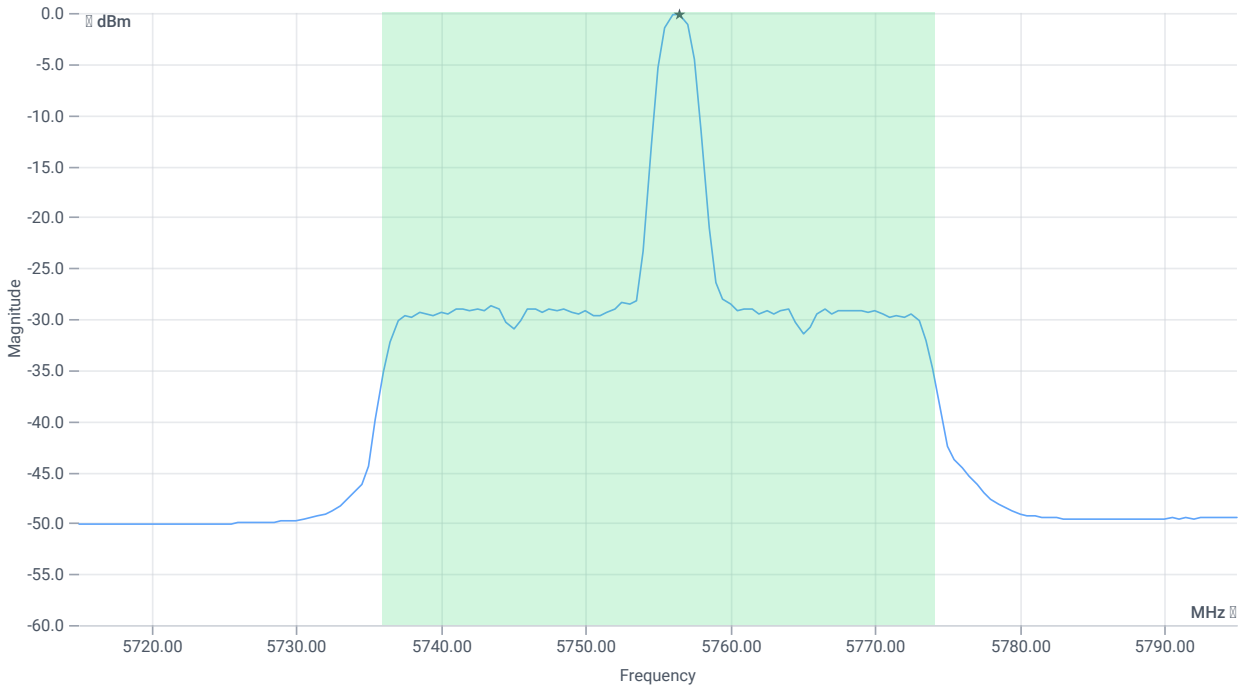
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.08	MHz	INFO
T1 26dB	---	---	5735.9600	MHz	INFO
T2 26dB	---	---	5774.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.45 | 11.16 | 25
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	---	---	2.99	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.99	dBm	PASS
LIMIT: 11 dBm + 10 log 38.08					
Max output power DC corrected cond	---	26.81	2.99	dBm	na

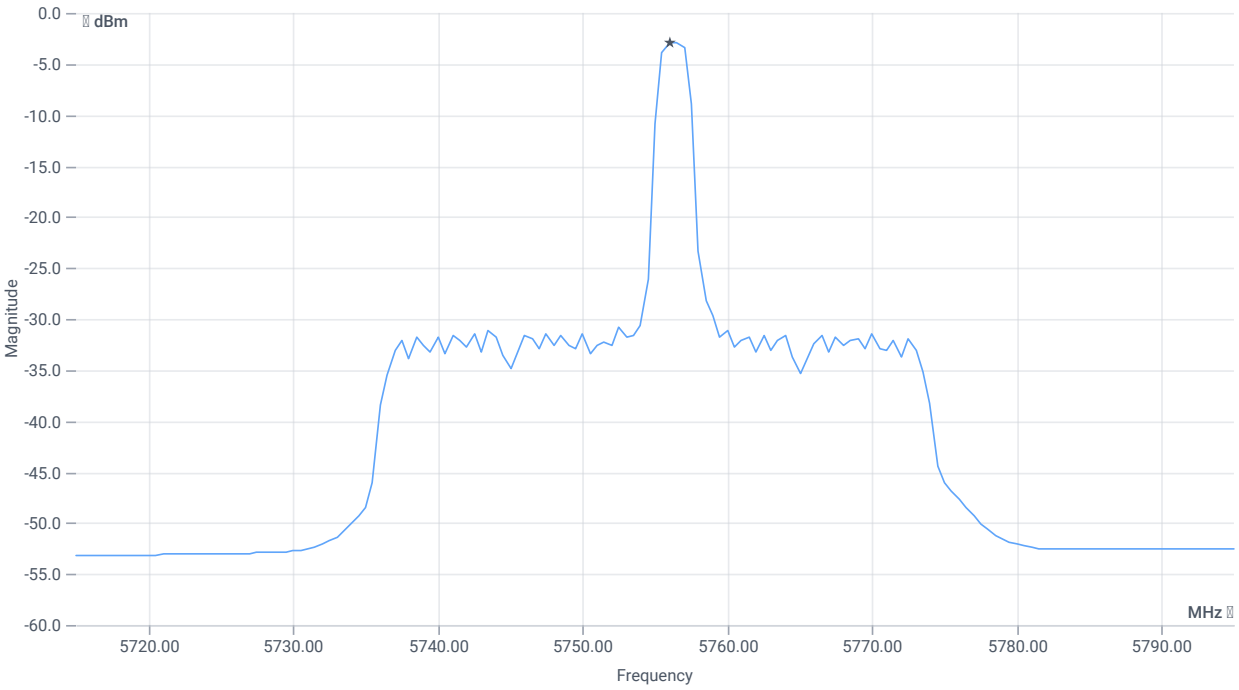
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.45 | 11.16 | 25

READ SA SETTINGS:

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	---	---	-2.91	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.91	dBm/0.5MHz	PASS

Test at TX 5795 MHz

RESULT: Reference power cond.

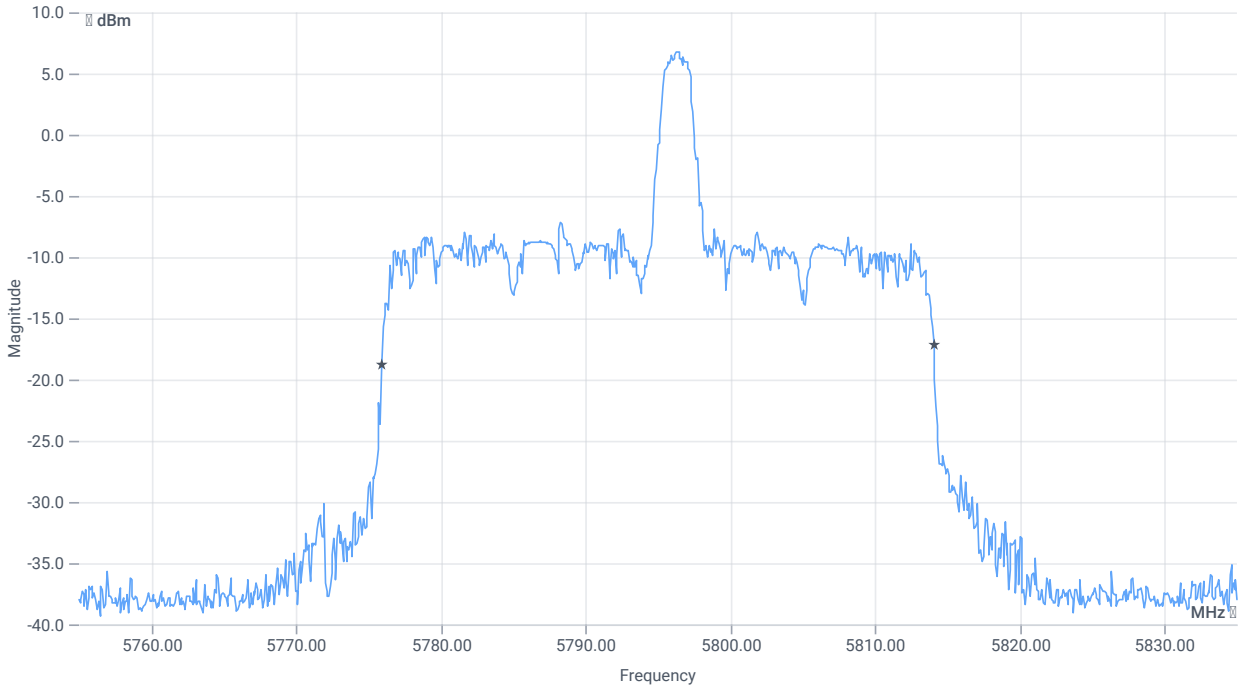
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.72	dBm	INFO
Ref. frequency	---	---	5796.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

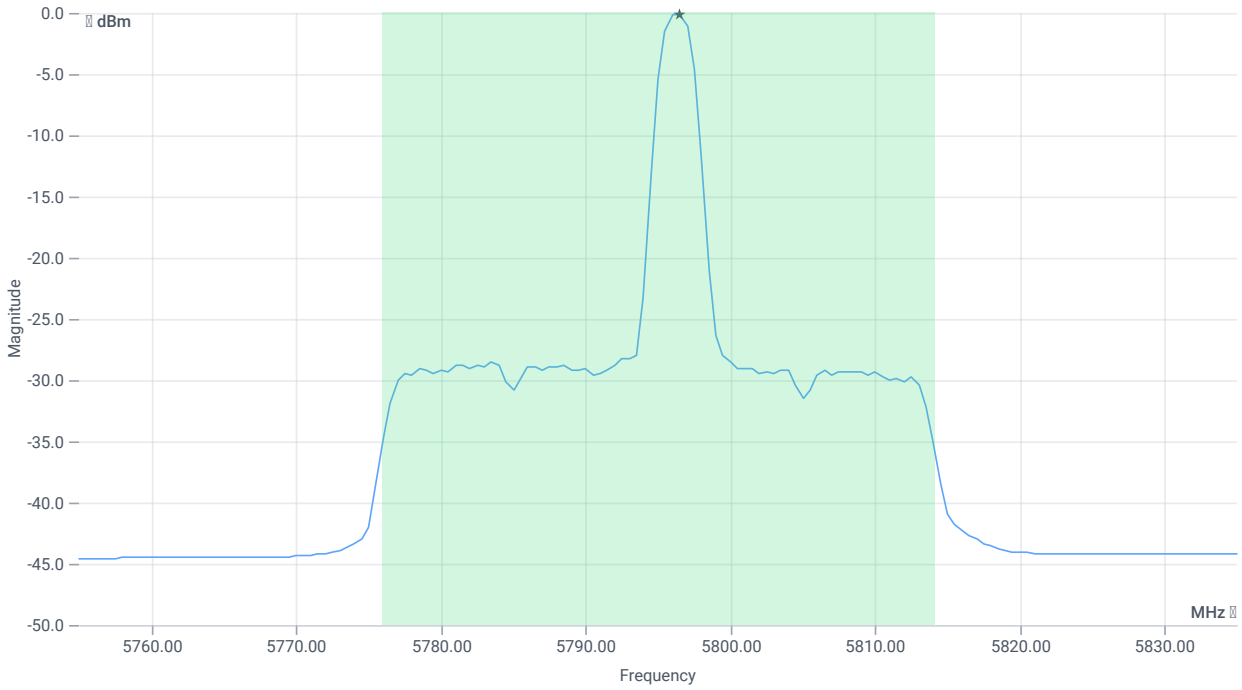
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	38.16	MHz	INFO
T1 26dB	---	---	5775.8800	MHz	INFO
T2 26dB	---	---	5814.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.72 | 11.36 | 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	---	---	3.01	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	3.01	dBm	PASS
LIMIT: 11 dBm + 10 log 38.16					
Max output power DC corrected cond	---	26.82	3.01	dBm	na

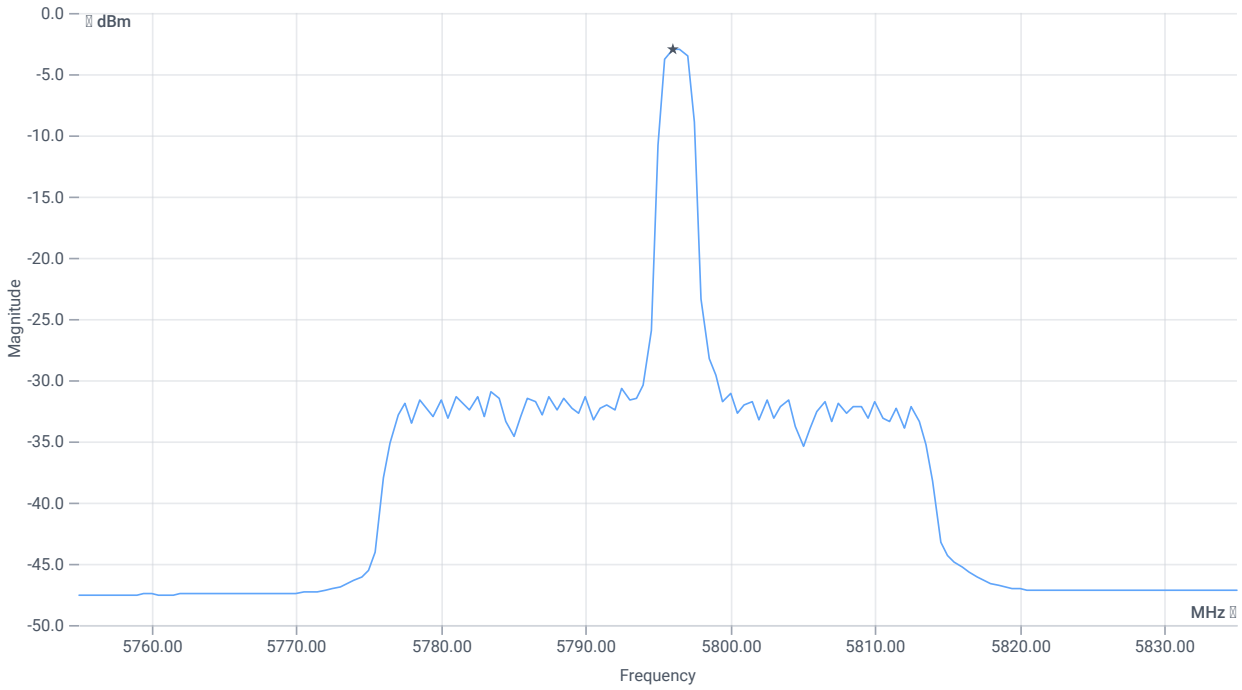
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.72 | 11.36 | 30

READ SA SETTINGS:

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	---	---	-2.91	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.91	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	15.01.2026 16:32:22
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

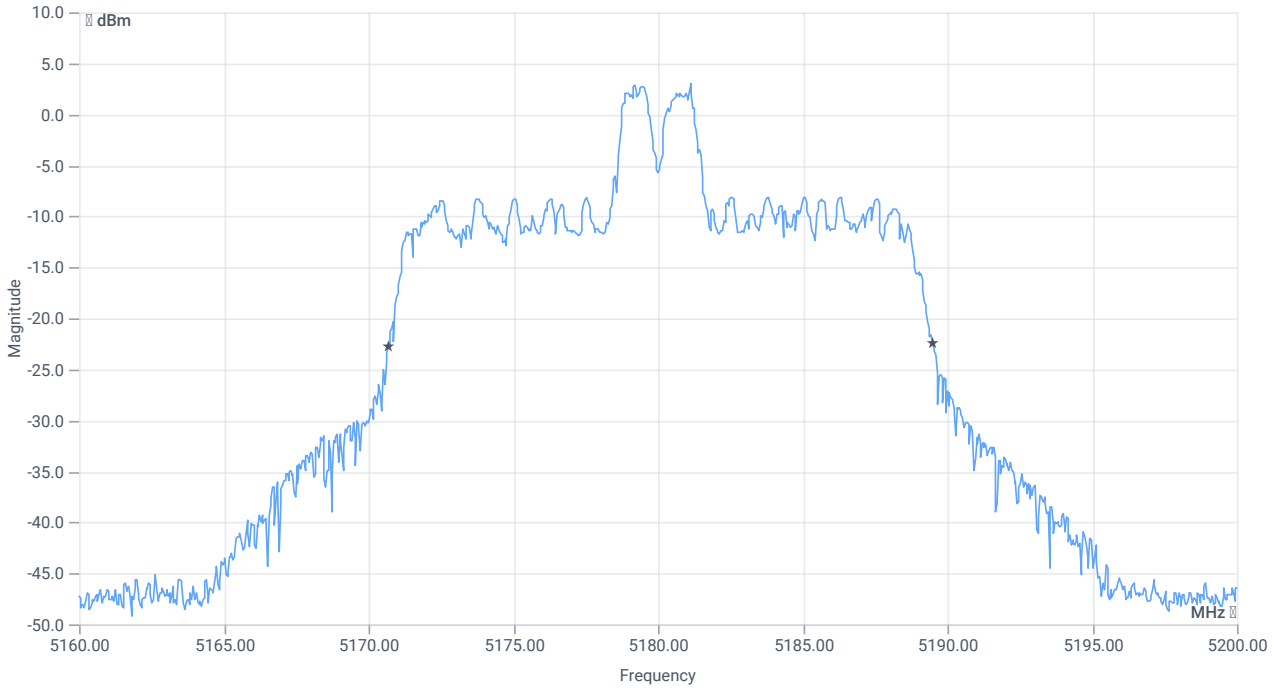
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.35	dBm	INFO
Ref. frequency	---	---	5179.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

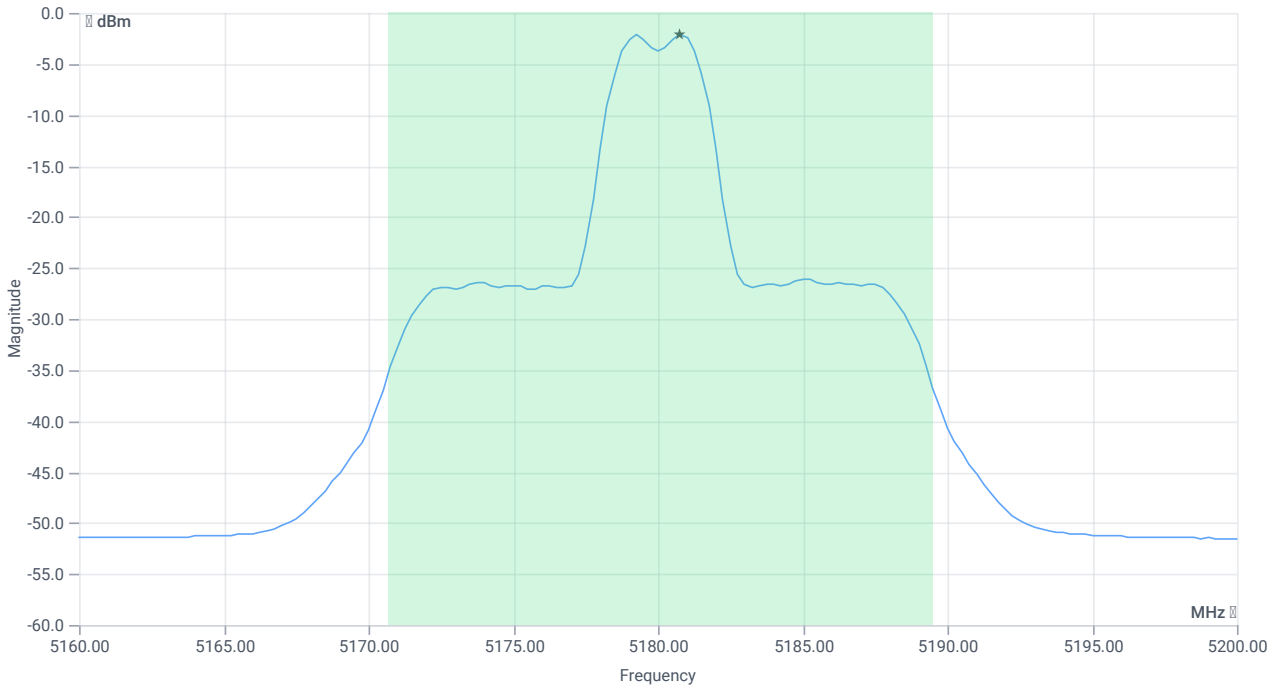
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.8	MHz	INFO
T1 26dB	---	---	5170.6800	MHz	INFO
T2 26dB	---	---	5189.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.35 | 10.89 | 25
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	---	---	1.9	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.9	dBm	PASS
LIMIT: 11 dBm + 10 log 18.8					
Max output power DC corrected cond	---	23.74	1.9	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.15	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-2.15	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

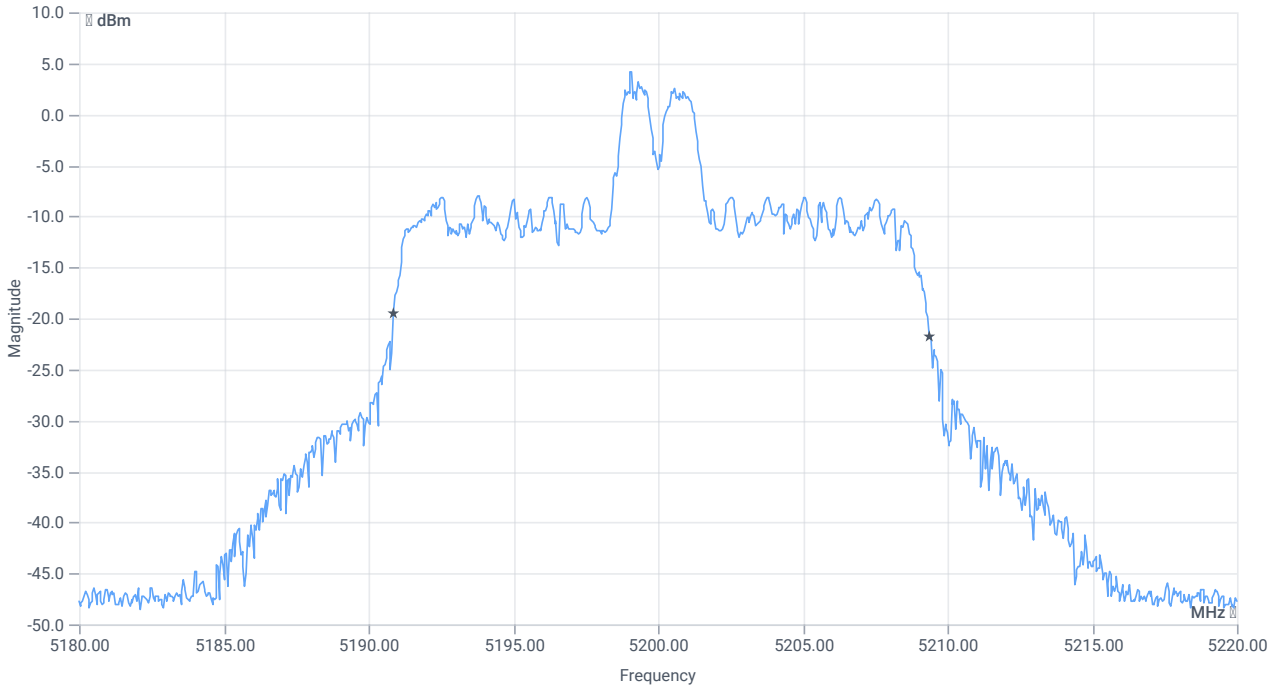
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.18	dBm	INFO
Ref. frequency	---	---	5199.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

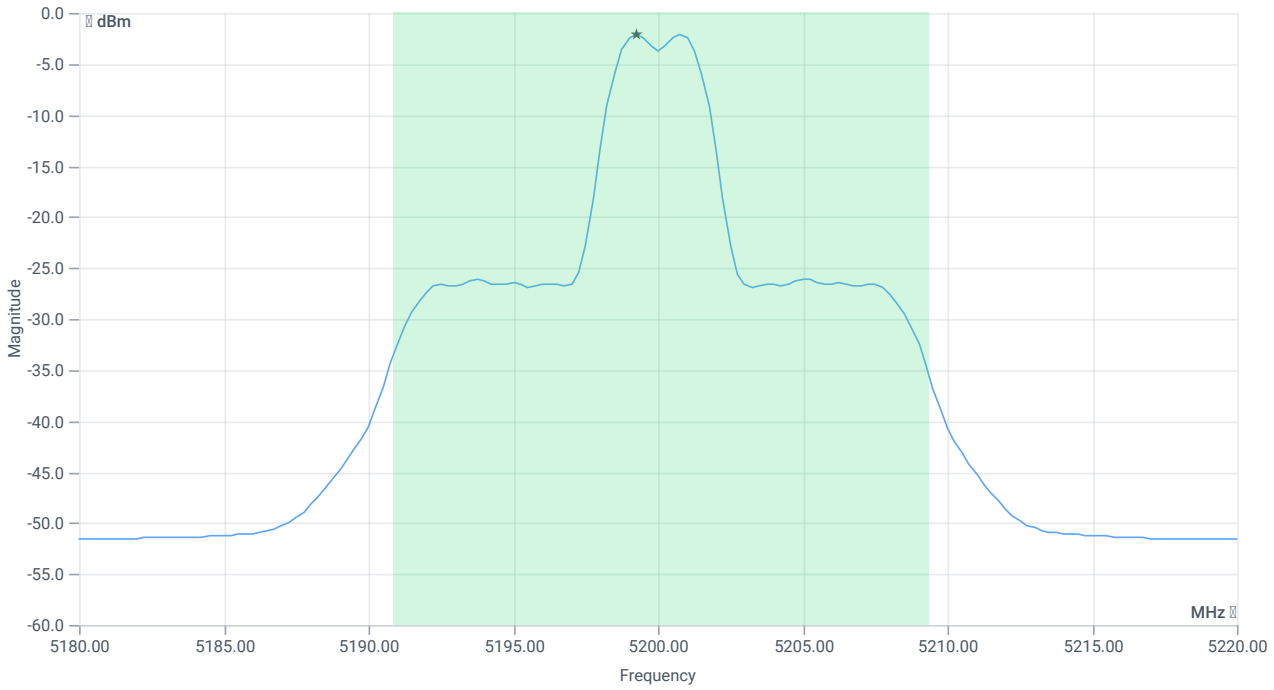
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.52	MHz	INFO
T1 26dB	---	---	5190.8400	MHz	INFO
T2 26dB	---	---	5209.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.18 | 10.85 | 25
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	---	---	1.96	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.96	dBm	PASS
LIMIT: 11 dBm + 10 log 18.52					
Max output power DC corrected cond	---	23.68	1.96	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.06	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-2.06	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

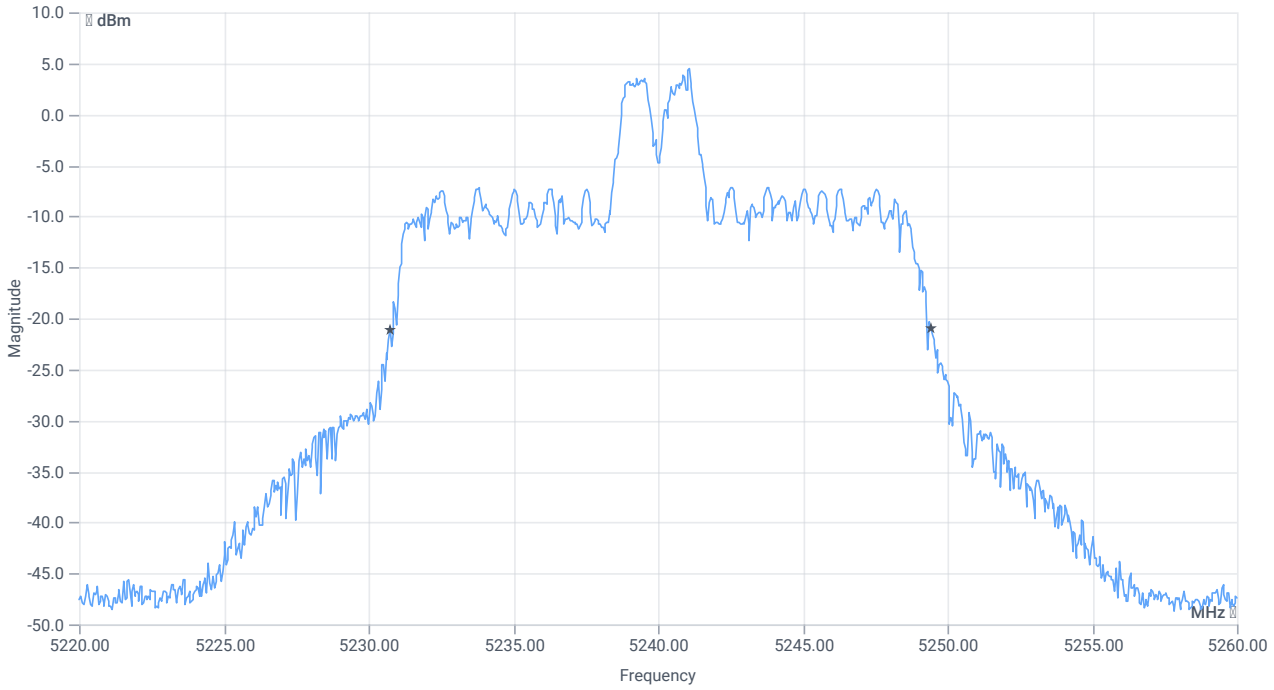
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.84	dBm	INFO
Ref. frequency	---	---	5239.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

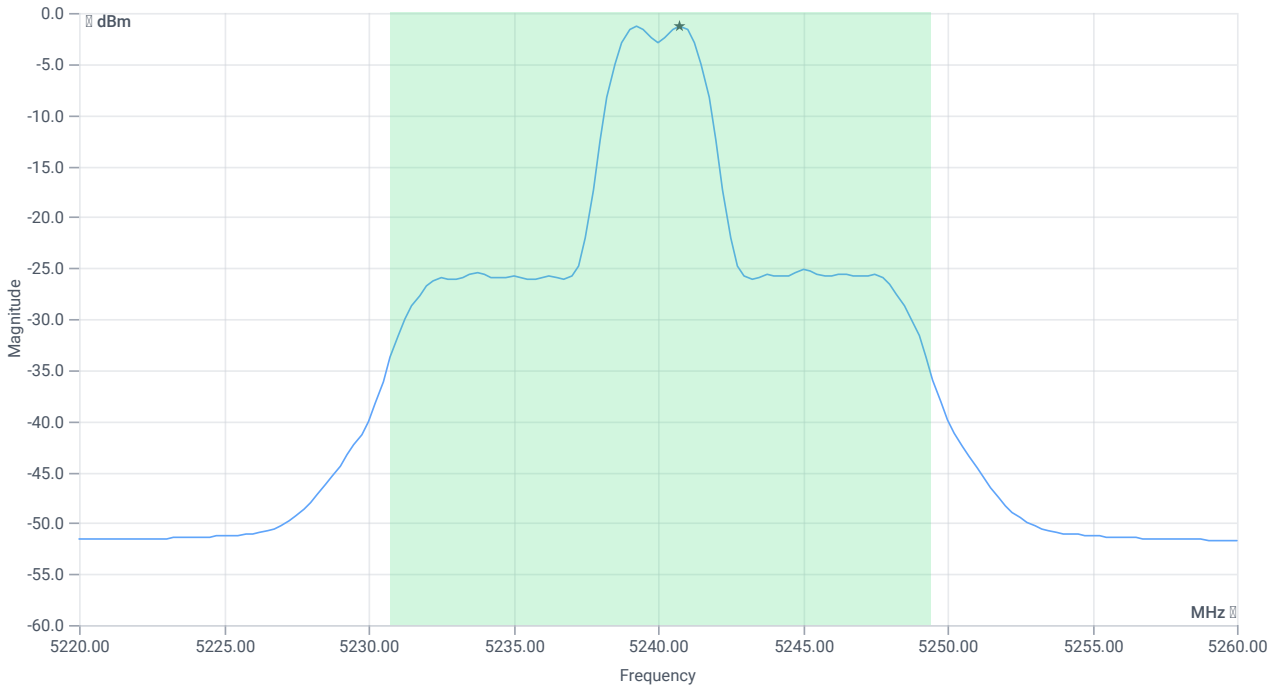
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.72	MHz	INFO
T1 26dB	---	---	5230.7200	MHz	INFO
T2 26dB	---	---	5249.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.84 | 10.86 | 25
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	---	---	2.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.78	dBm	PASS
LIMIT: 11 dBm + 10 log 18.72					
Max output power DC corrected cond	---	23.72	2.78	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.28	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.28	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 16:38:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

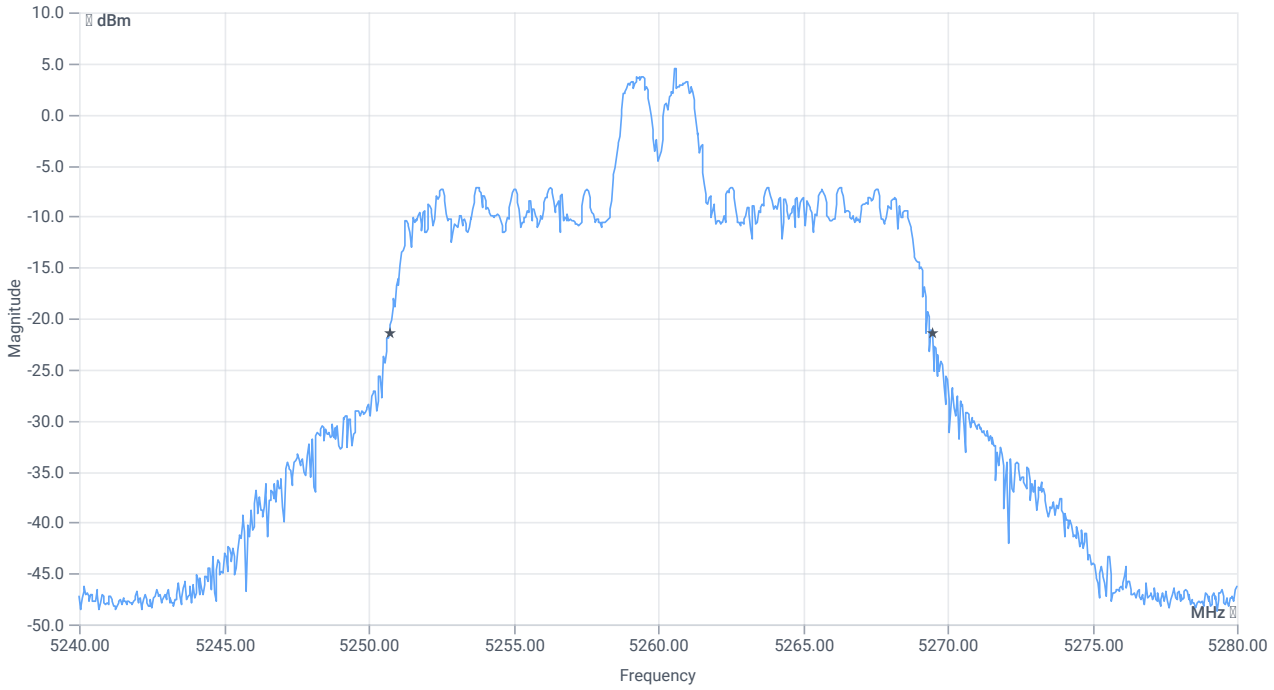
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.81	dBm	INFO
Ref. frequency	---	---	5259.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.76	MHz	INFO
T1 26dB	---	---	5250.7200	MHz	INFO
T2 26dB	---	---	5269.4800	MHz	INFO

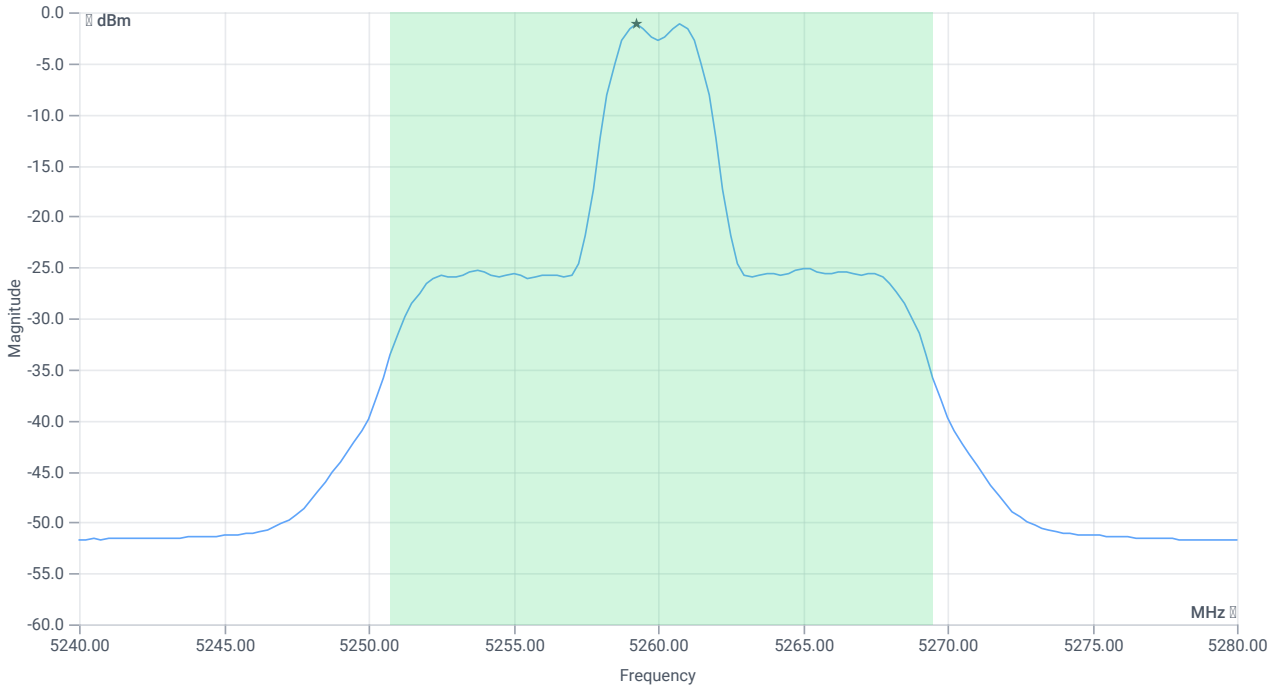
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.81 | 10.85 | 25
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	---	---	2.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.85	dBm	PASS
LIMIT: 11 dBm + 10 log 18.76					
Max output power DC corrected cond	---	23.73	2.85	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.85	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	---	---	-1.2	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.2	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

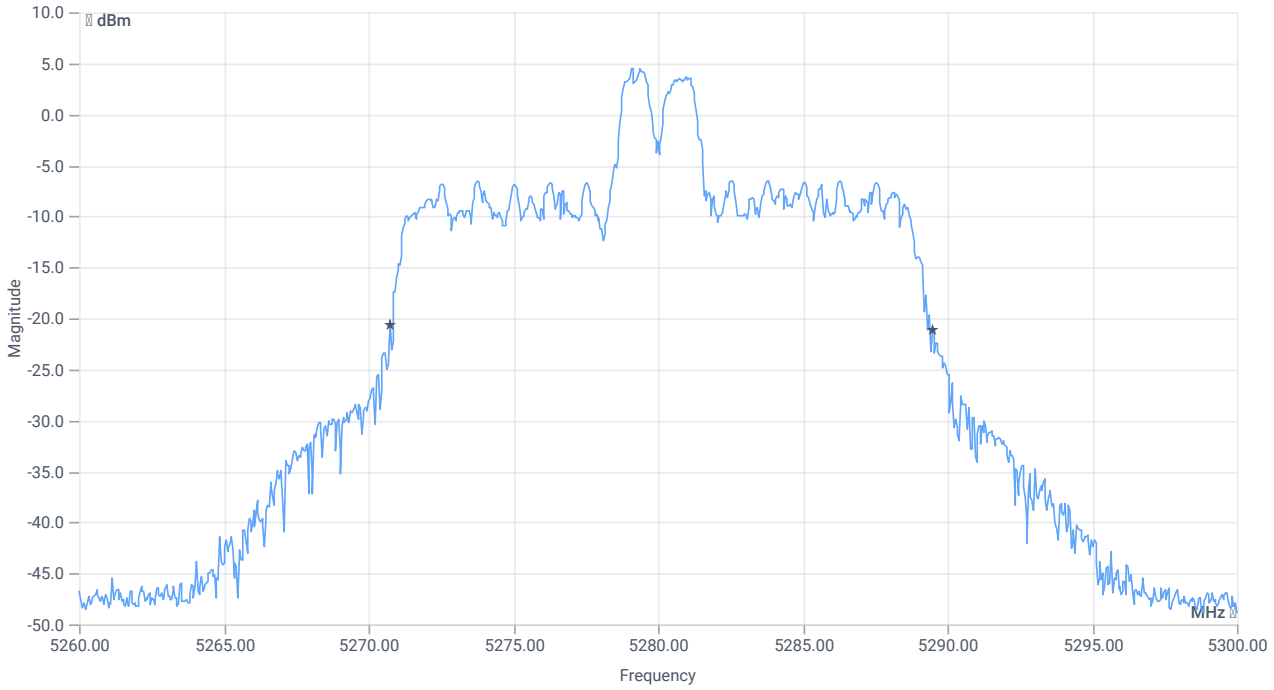
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.56	dBm	INFO
Ref. frequency	---	---	5280.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.76	MHz	INFO
T1 26dB	---	---	5270.7200	MHz	INFO
T2 26dB	---	---	5289.4800	MHz	INFO

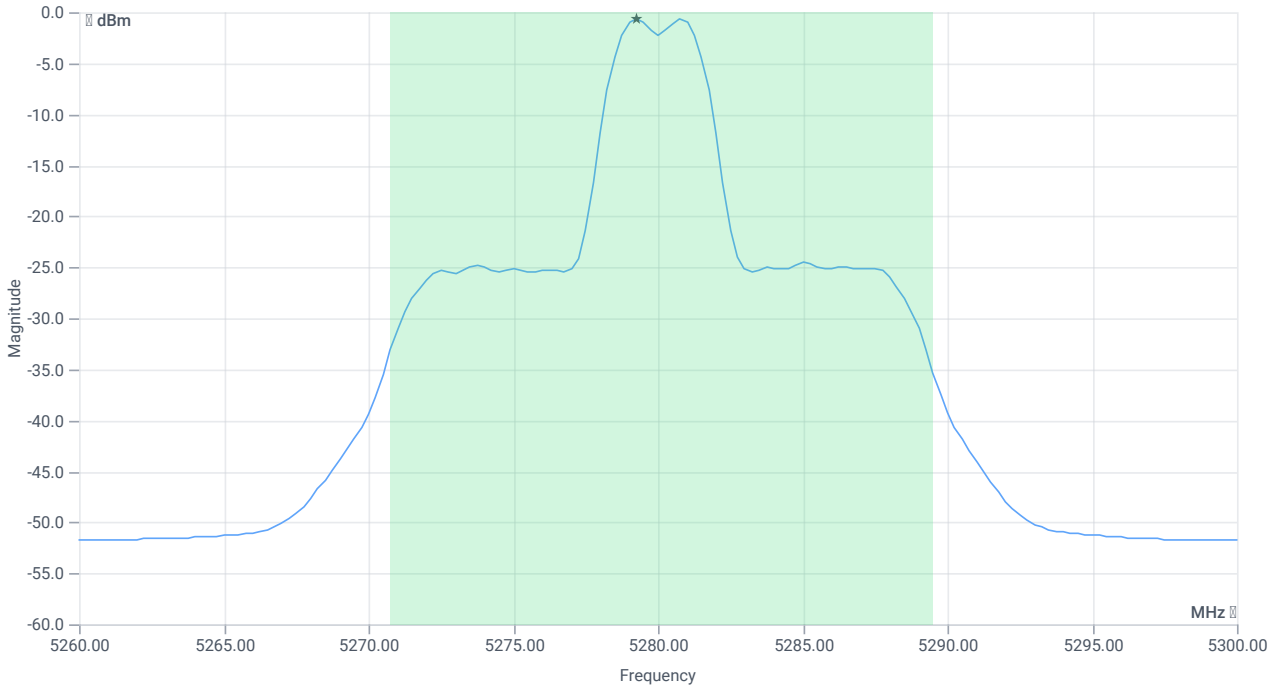
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.56 | 10.84 | 25
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	---	---	3.41	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.41	dBm	PASS
LIMIT: 11 dBm + 10 log 18.76					
Max output power DC corrected cond	---	23.73	3.41	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.41	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	---	---	-0.65	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.65	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

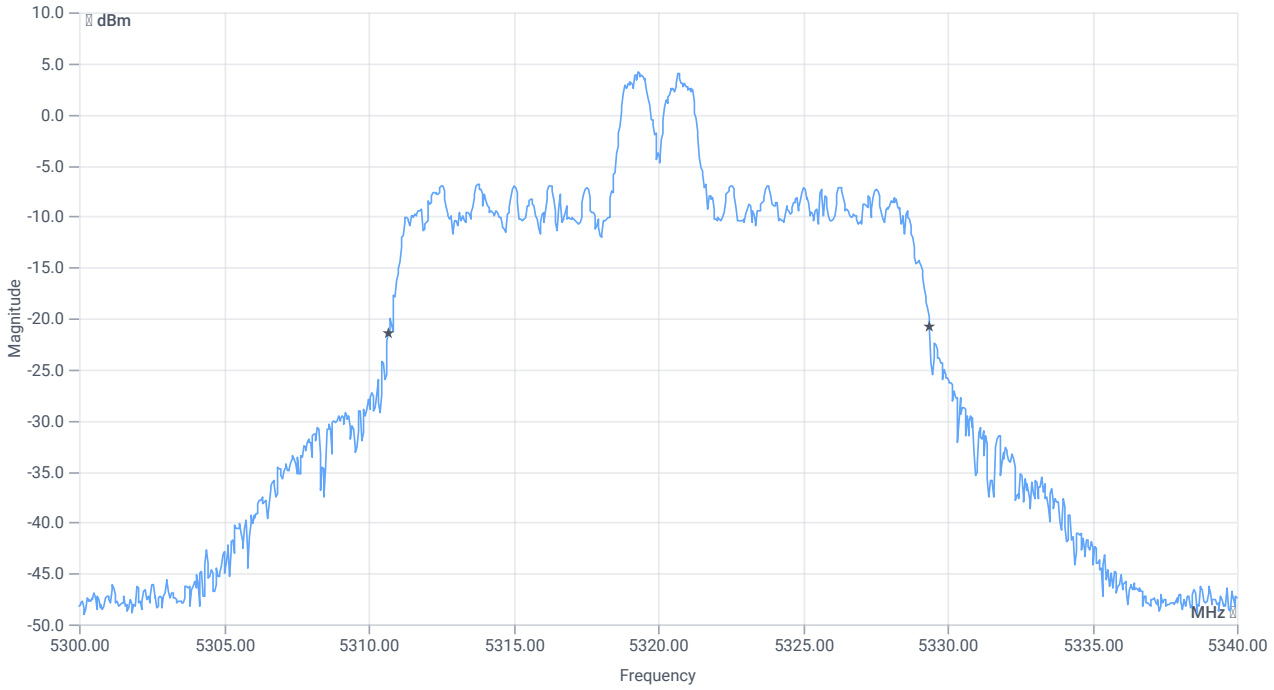
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.94	dBm	INFO
Ref. frequency	---	---	5320.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.72	MHz	INFO
T1 26dB	---	---	5310.6800	MHz	INFO
T2 26dB	---	---	5329.4000	MHz	INFO

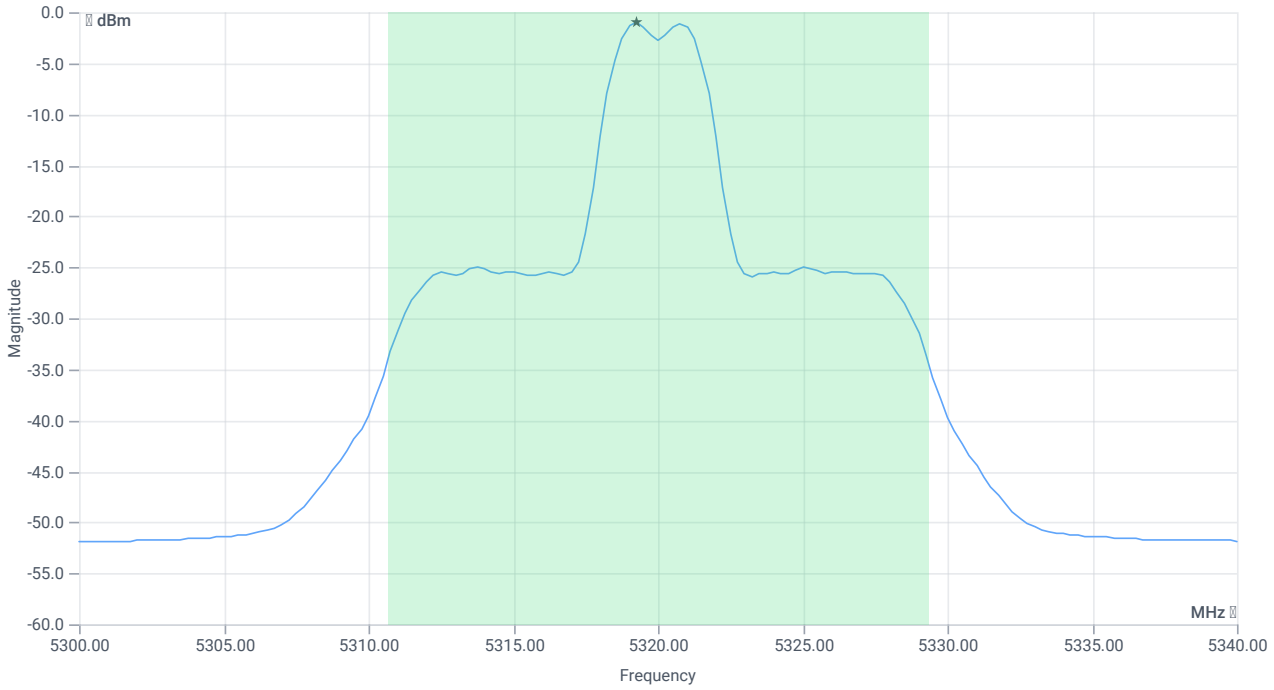
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.94 | 10.76 | 25
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	---	---	3.02	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.02	dBm	PASS
LIMIT: 11 dBm + 10 log 18.72					
Max output power DC corrected cond	---	23.72	3.02	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.02	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	---	---	-1.01	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.01	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 16:47:48
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

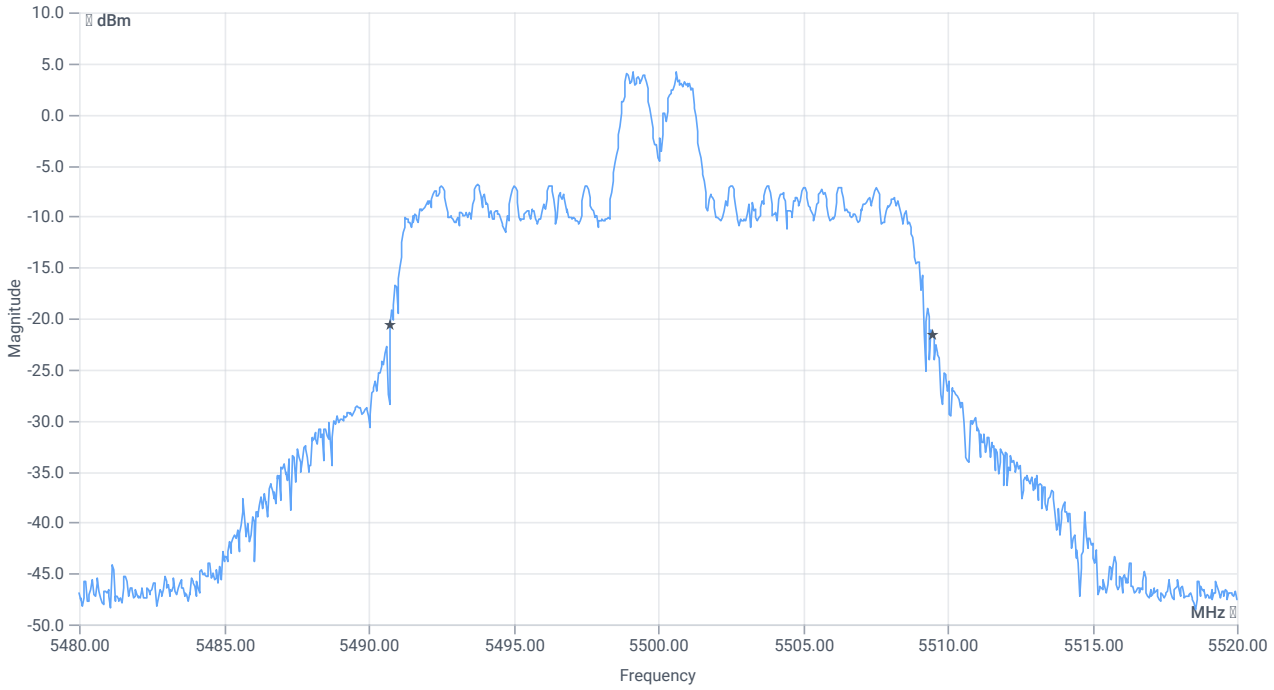
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.44	dBm	INFO
Ref. frequency	---	---	5499.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

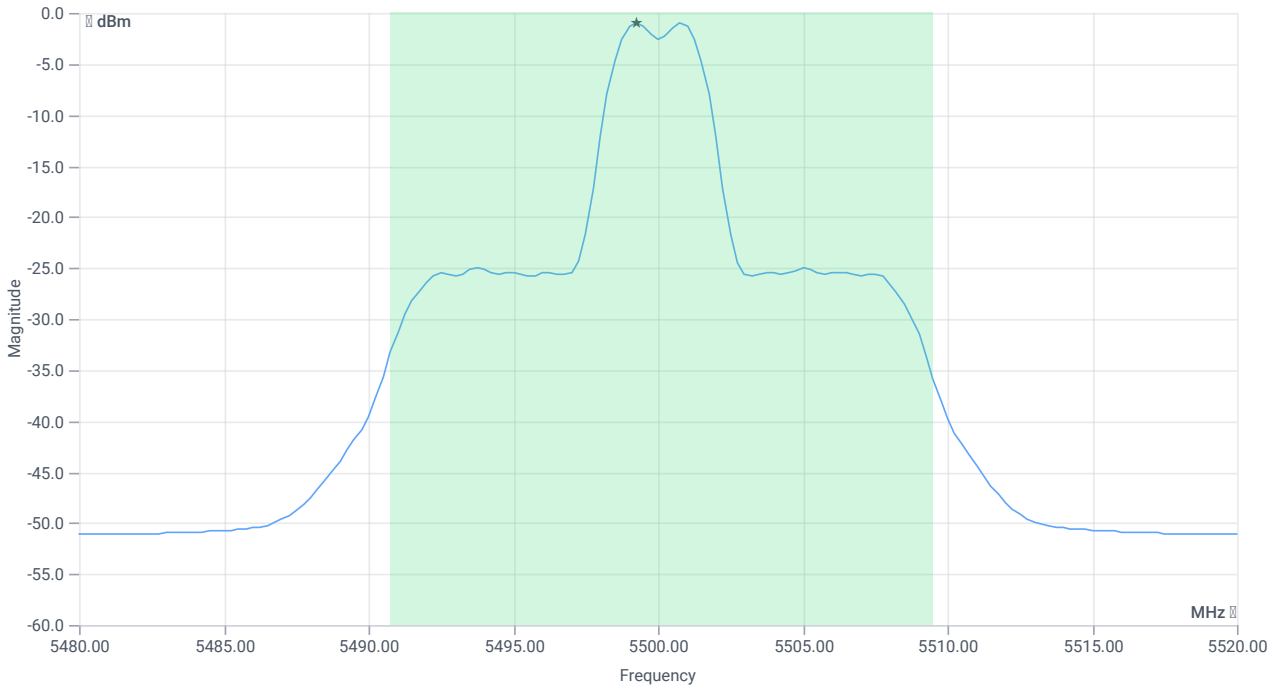
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.72	MHz	INFO
T1 26dB	---	---	5490.7600	MHz	INFO
T2 26dB	---	---	5509.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.44 | 10.87 | 25
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	---	---	3.06	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.06	dBm	PASS
LIMIT: 11 dBm + 10 log 18.72					
Max output power DC corrected cond	---	23.72	3.06	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.06	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	---	---	-0.98	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.98	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

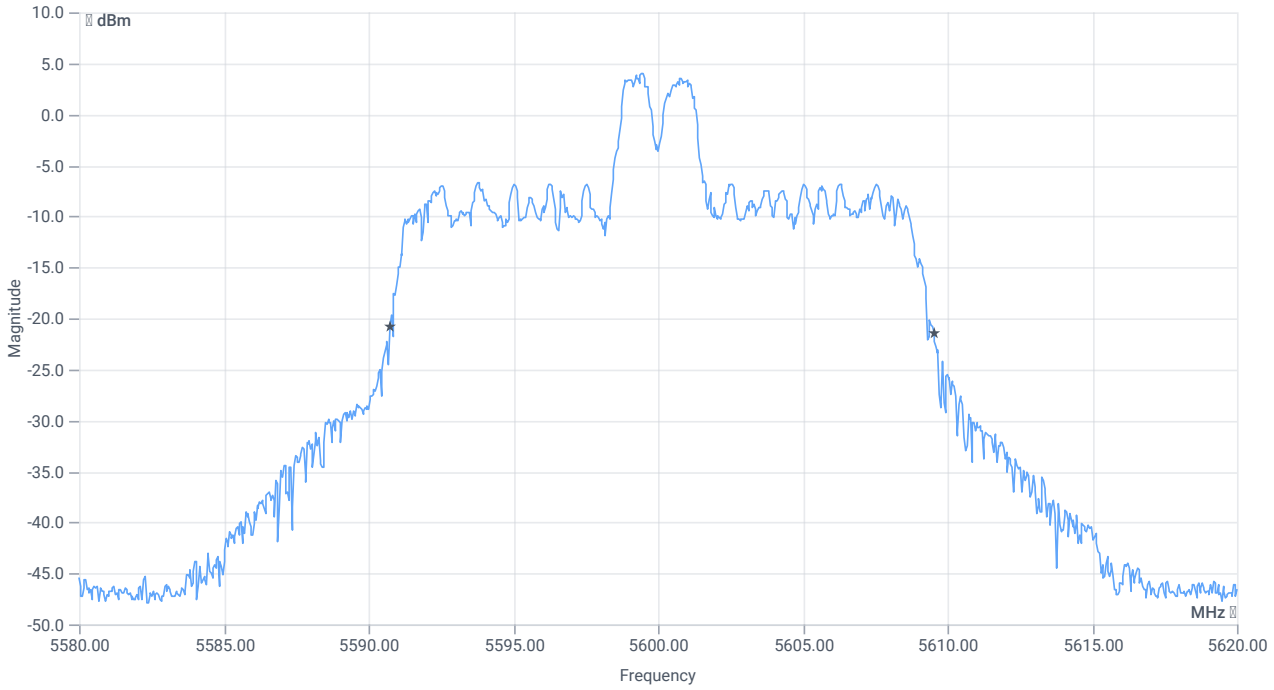
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.50	dBm	INFO
Ref. frequency	---	---	5599.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

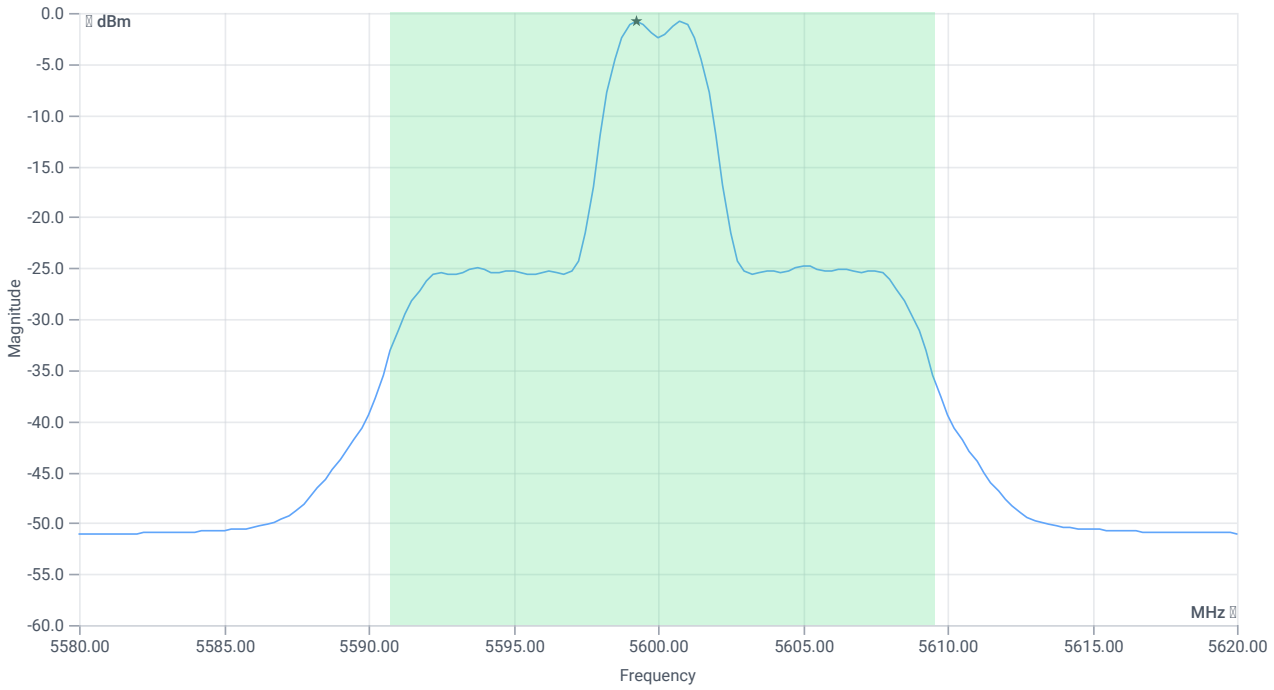
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.8	MHz	INFO
T1 26dB	---	---	5590.7200	MHz	INFO
T2 26dB	---	---	5609.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.50 | 11.02 | 25
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	---	---	3.22	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.22	dBm	PASS
LIMIT: 11 dBm + 10 log 18.8					
Max output power DC corrected cond	---	23.74	3.22	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.22	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	---	---	-0.83	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.83	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

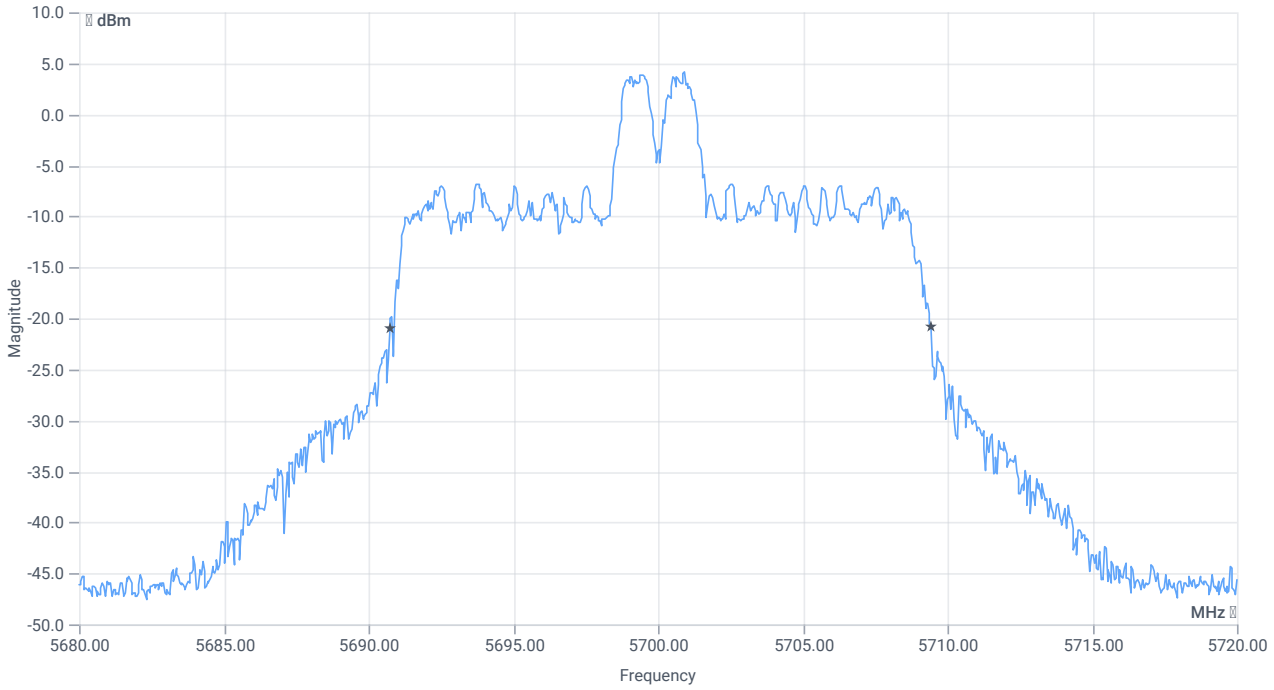
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.19	dBm	INFO
Ref. frequency	---	---	5700.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

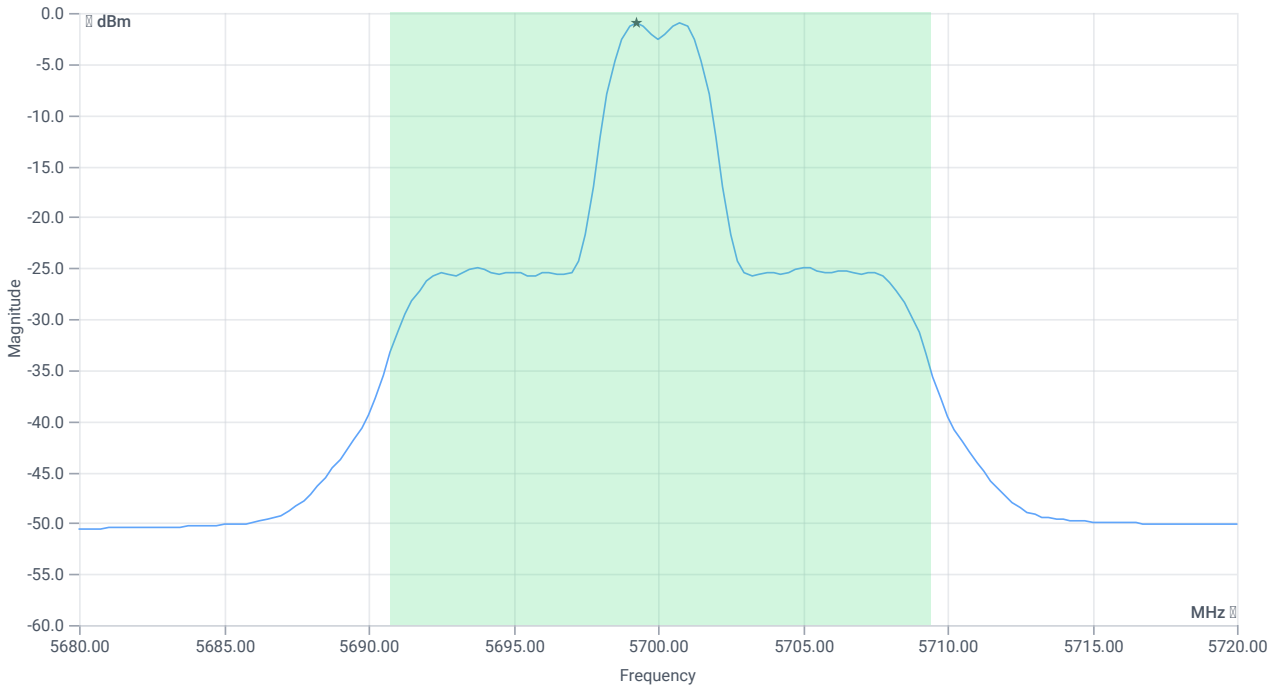
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.72	MHz	INFO
T1 26dB	---	---	5690.7200	MHz	INFO
T2 26dB	---	---	5709.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.19 | 11.16 | 25
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	---	---	3.11	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.11	dBm	PASS
LIMIT: 11 dBm + 10 log 18.72					
Max output power DC corrected cond	---	23.72	3.11	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.11	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	---	---	-0.95	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.95	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 16:56:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

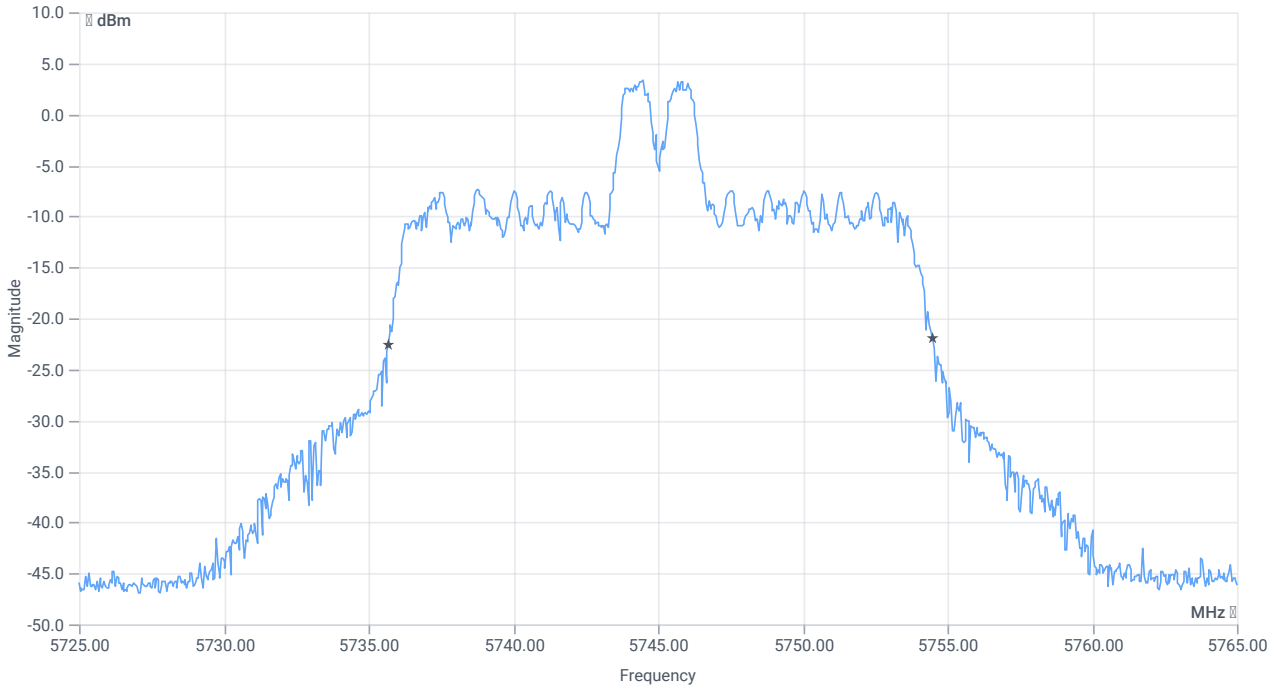
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.67	dBm	INFO
Ref. frequency	---	---	5745.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

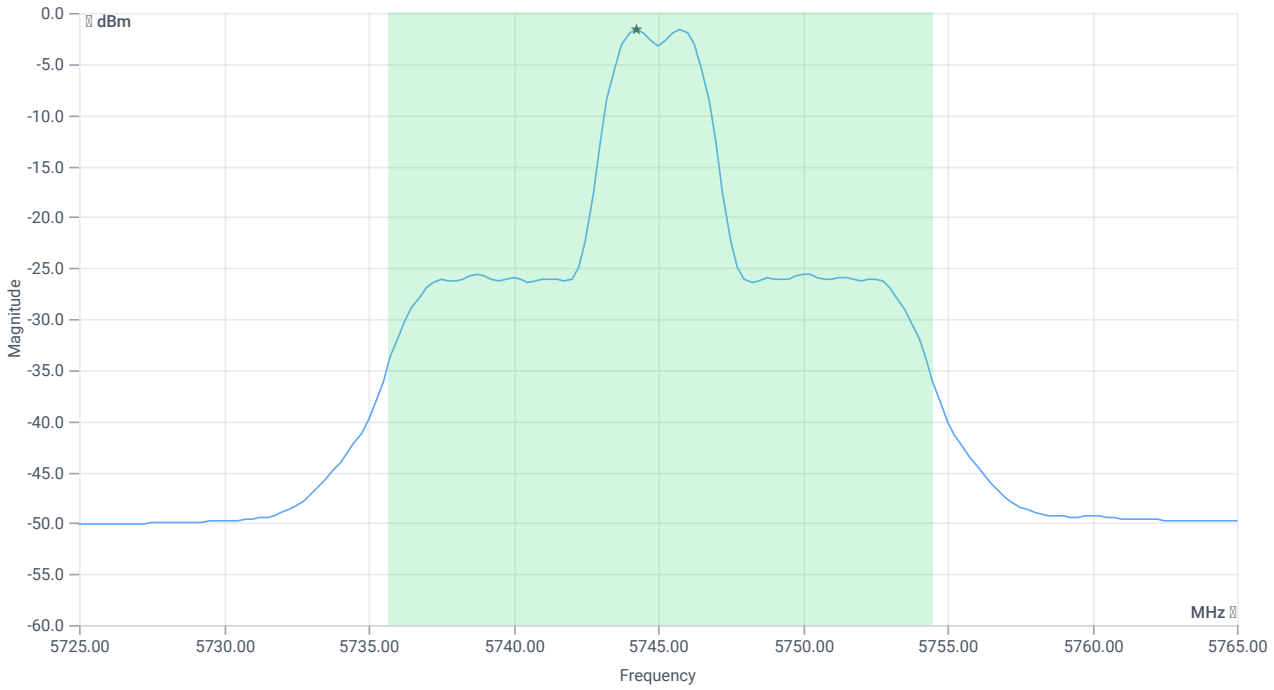
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.8	MHz	INFO
T1 26dB	---	---	5735.6800	MHz	INFO
T2 26dB	---	---	5754.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.67 | 11.14 | 25
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	---	---	2.48	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.48	dBm	PASS
LIMIT: 11 dBm + 10 log 18.8					
Max output power DC corrected cond	---	23.74	2.48	dBm	na

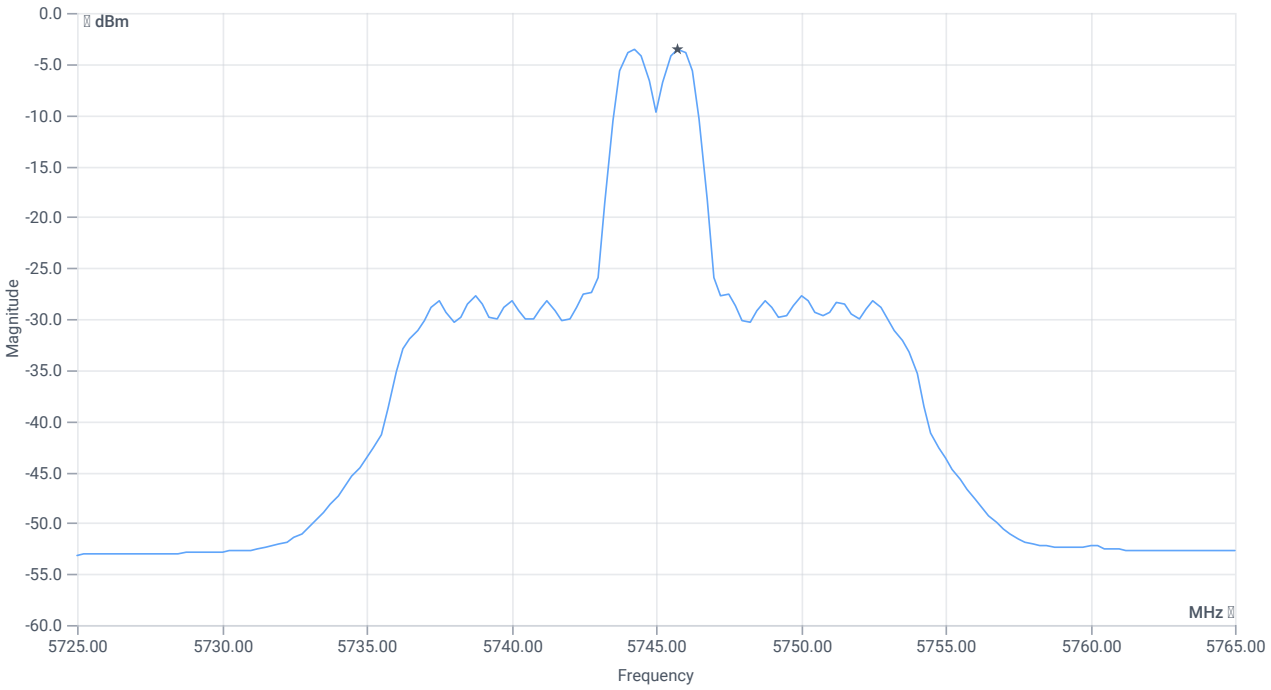
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.67 | 11.14 | 25

READ SA SETTINGS:

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	---	---	-3.52	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.52	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

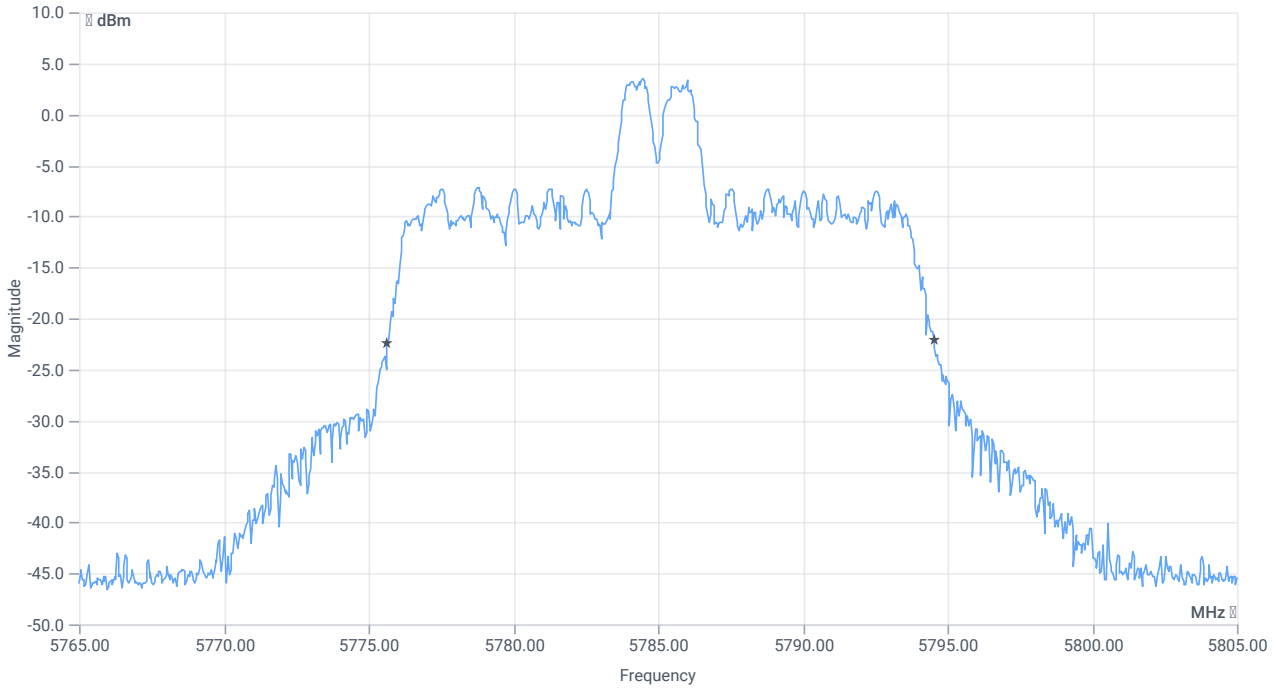
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.34	dBm	INFO
Ref. frequency	---	---	5784.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

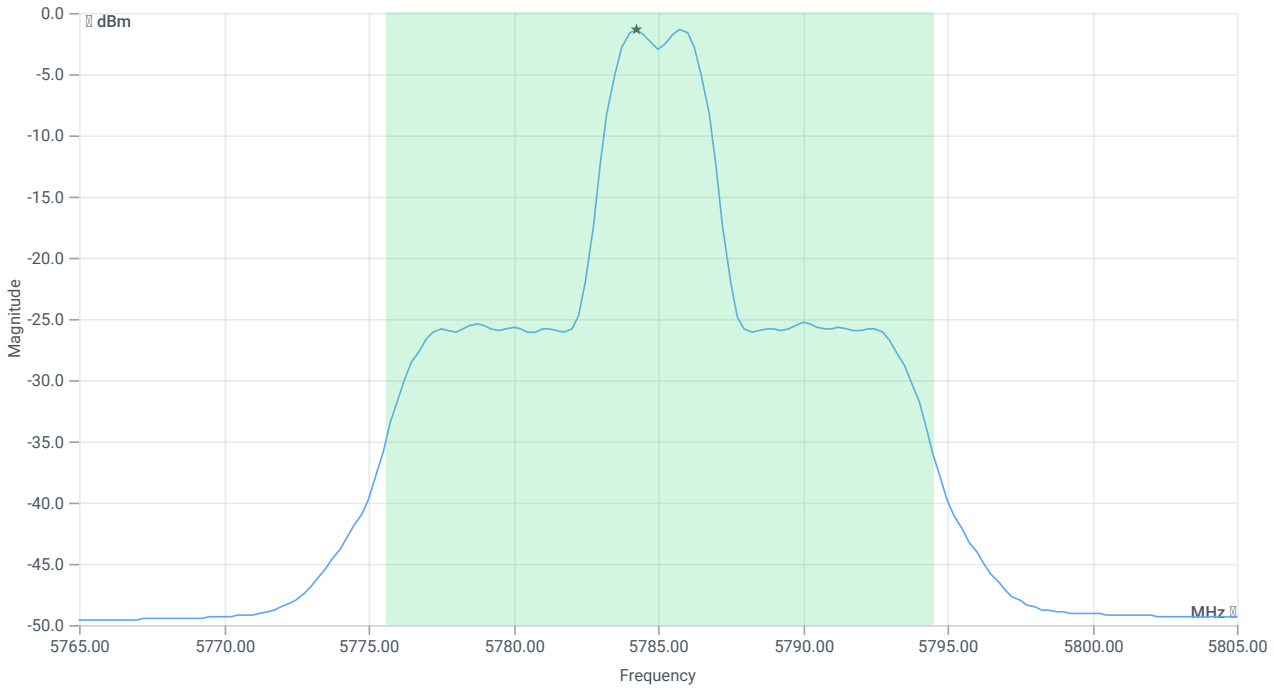
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.88	MHz	INFO
T1 26dB	---	---	5775.6400	MHz	INFO
T2 26dB	---	---	5794.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.34 | 11.31 | 25
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	---	---	2.75	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.75	dBm	PASS
LIMIT: 11 dBm + 10 log 18.88					
Max output power DC corrected cond	---	23.76	2.75	dBm	na

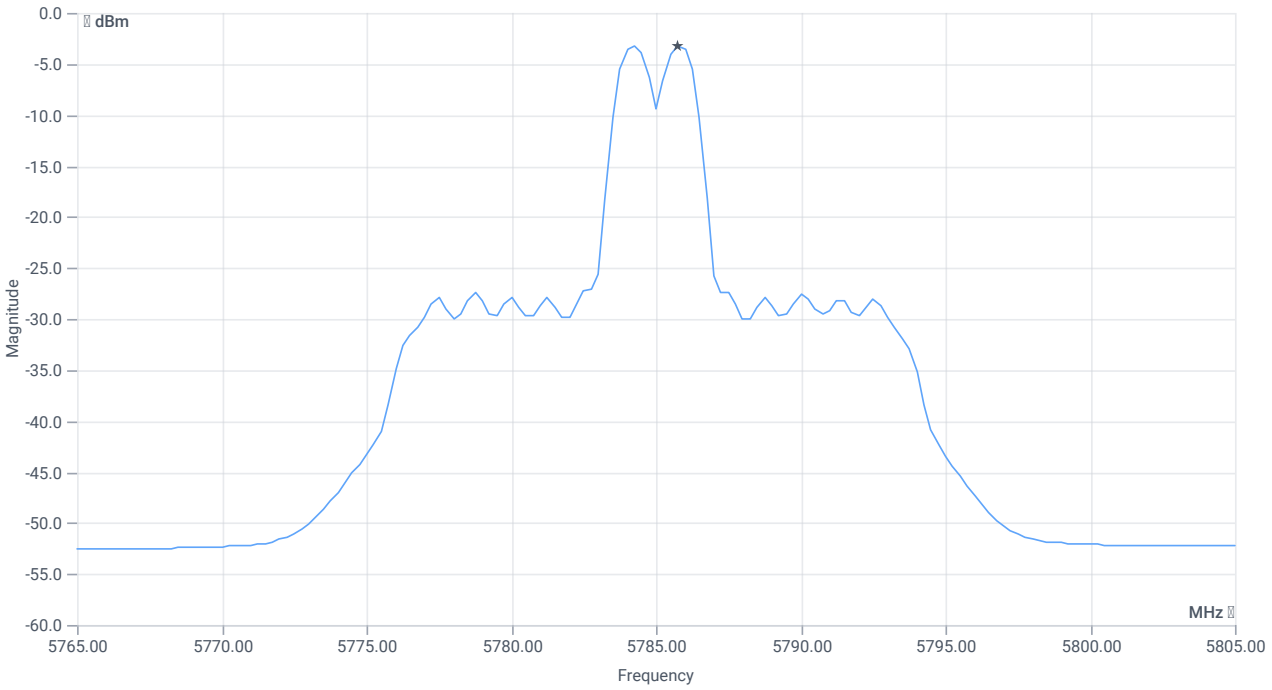
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.34 | 11.31 | 25

READ SA SETTINGS:

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	---	---	-3.26	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.26	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

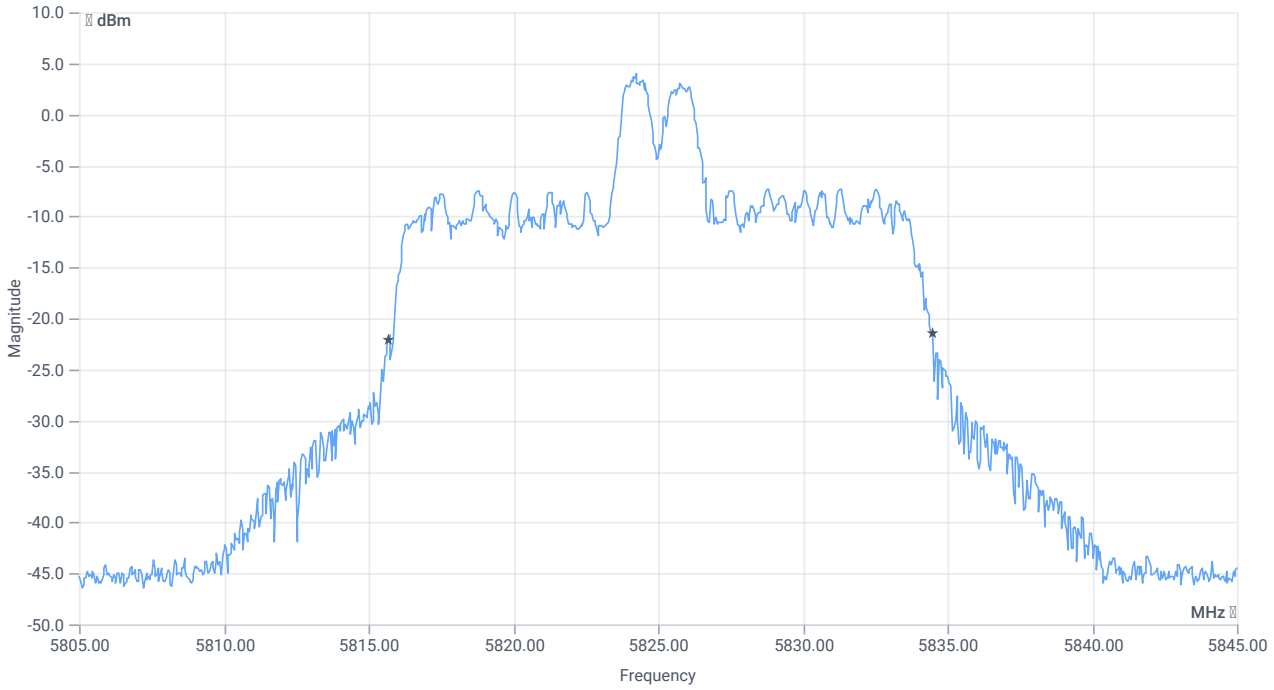
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.53	dBm	INFO
Ref. frequency	---	---	5825.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

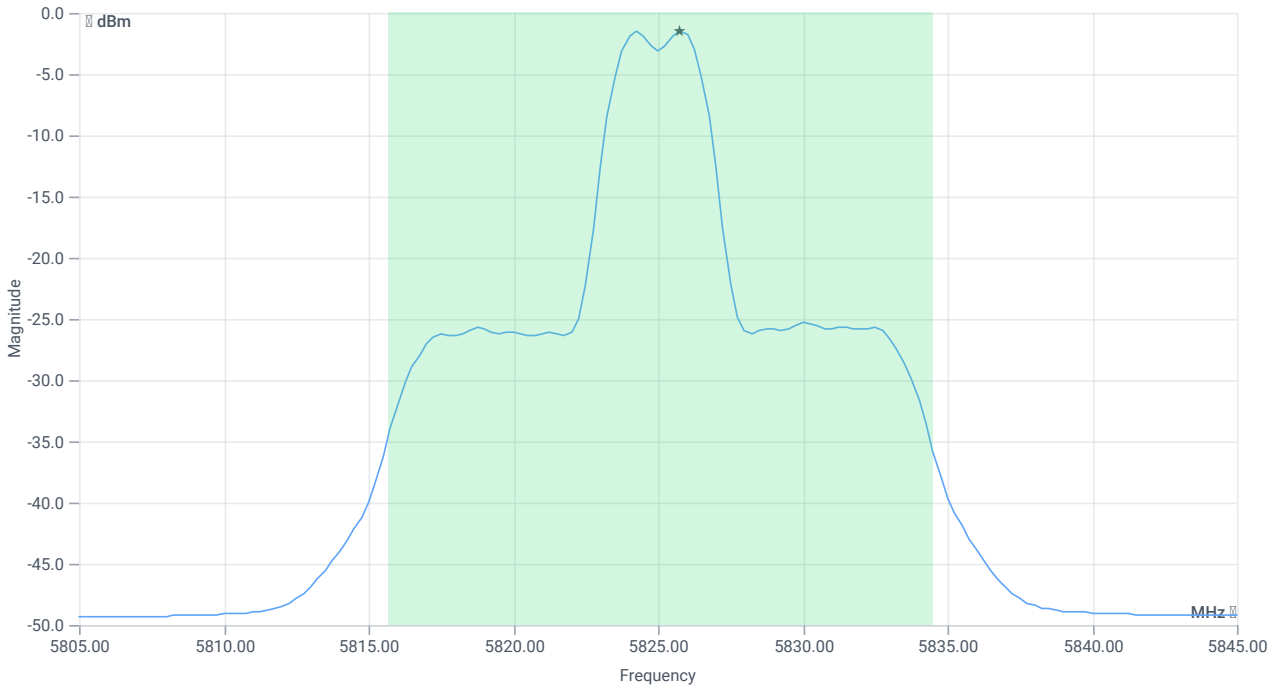
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.8	MHz	INFO
T1 26dB	---	---	5815.6800	MHz	INFO
T2 26dB	---	---	5834.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.53 | 11.29 | 25
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	---	---	2.57	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.57	dBm	PASS
LIMIT: 11 dBm + 10 log 18.8					
Max output power DC corrected cond	---	23.74	2.57	dBm	na

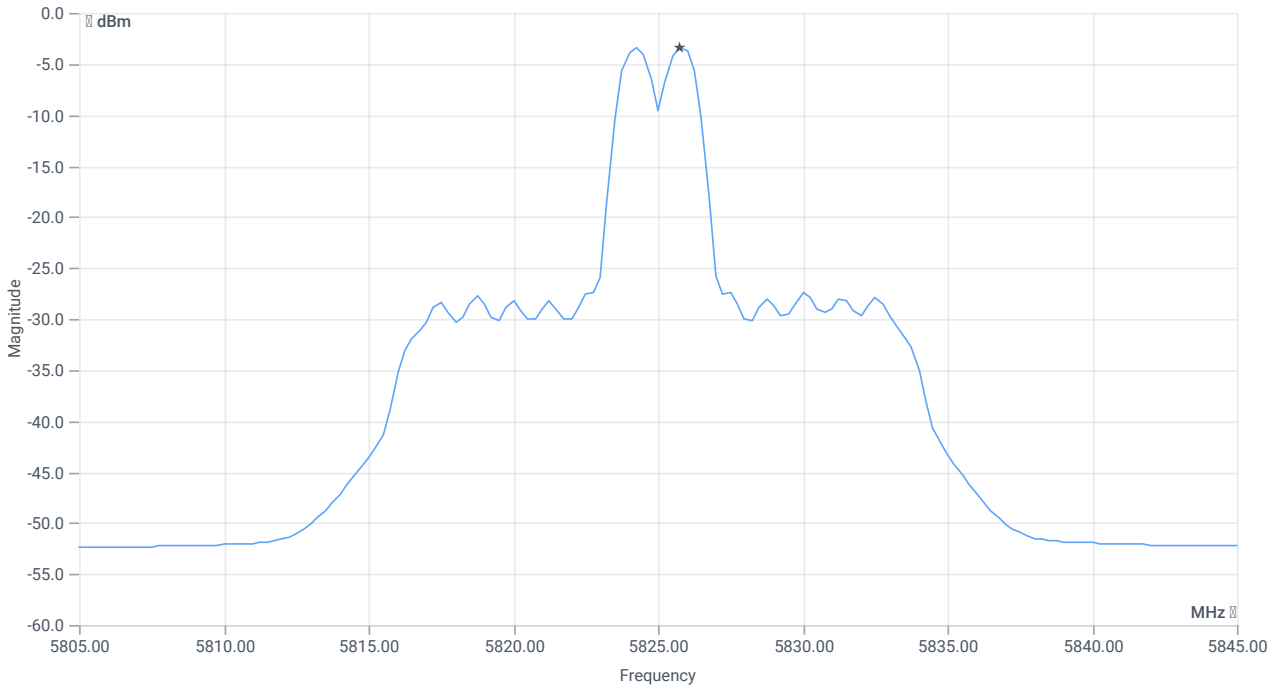
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.53 | 11.29 | 25

READ SA SETTINGS:

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	dB	INFO
Power spectral density DC corrected cond	---	30	-3.4	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	15.01.2026 17:10:08
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

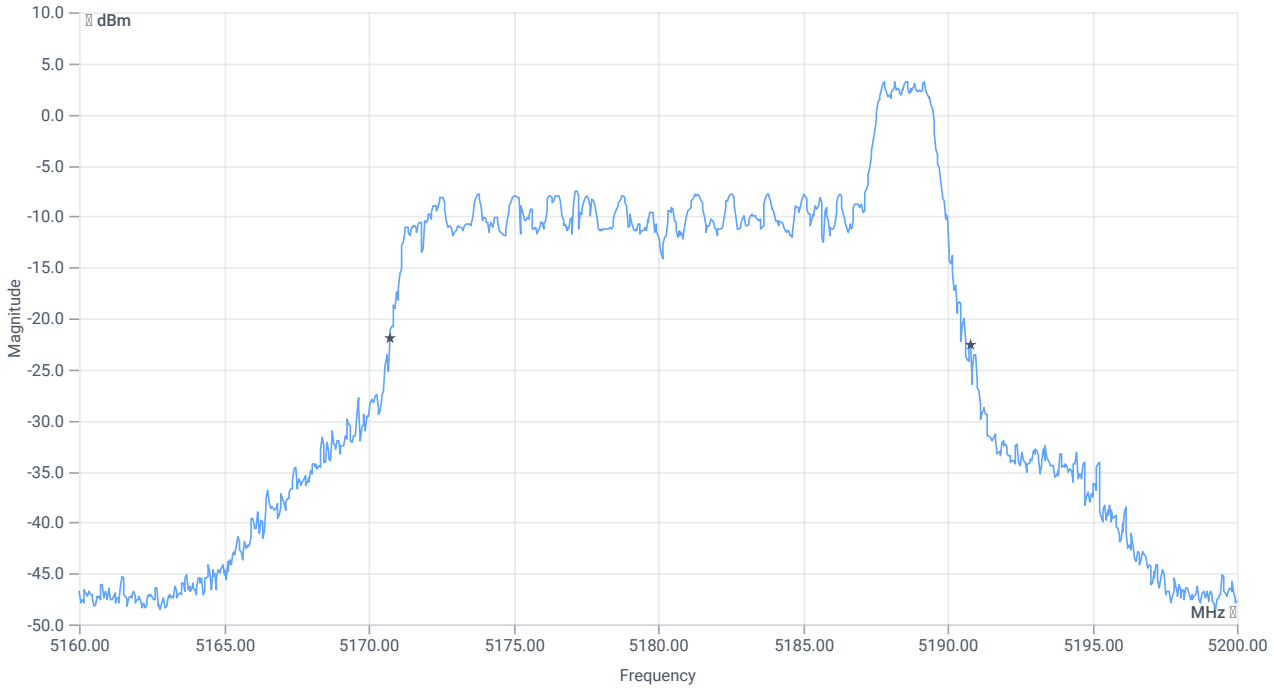
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.92	dBm	INFO
Ref. frequency	---	---	5188.590	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

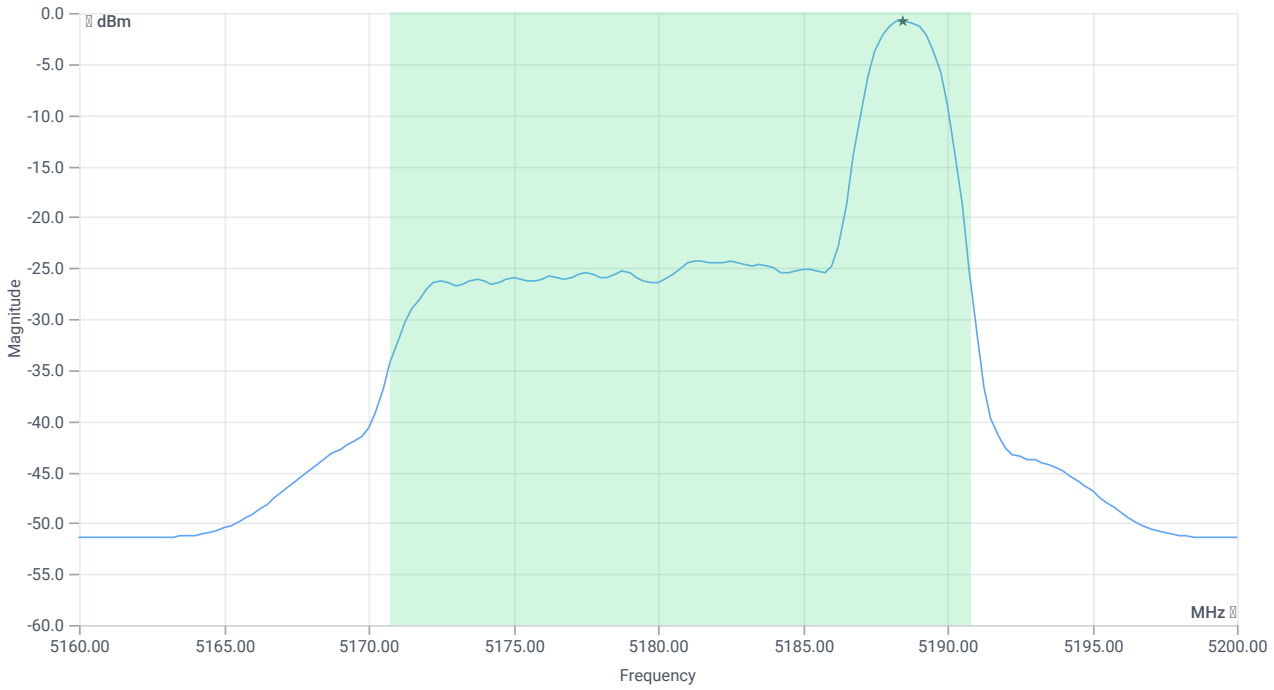
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.08	MHz	INFO
T1 26dB	---	---	5170.7200	MHz	INFO
T2 26dB	---	---	5190.8000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.92 | 10.89 | 25
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	---	---	2.11	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.11	dBm	PASS
LIMIT: 11 dBm + 10 log 20.08					
Max output power DC corrected cond	---	24.03	2.11	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.79	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.79	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

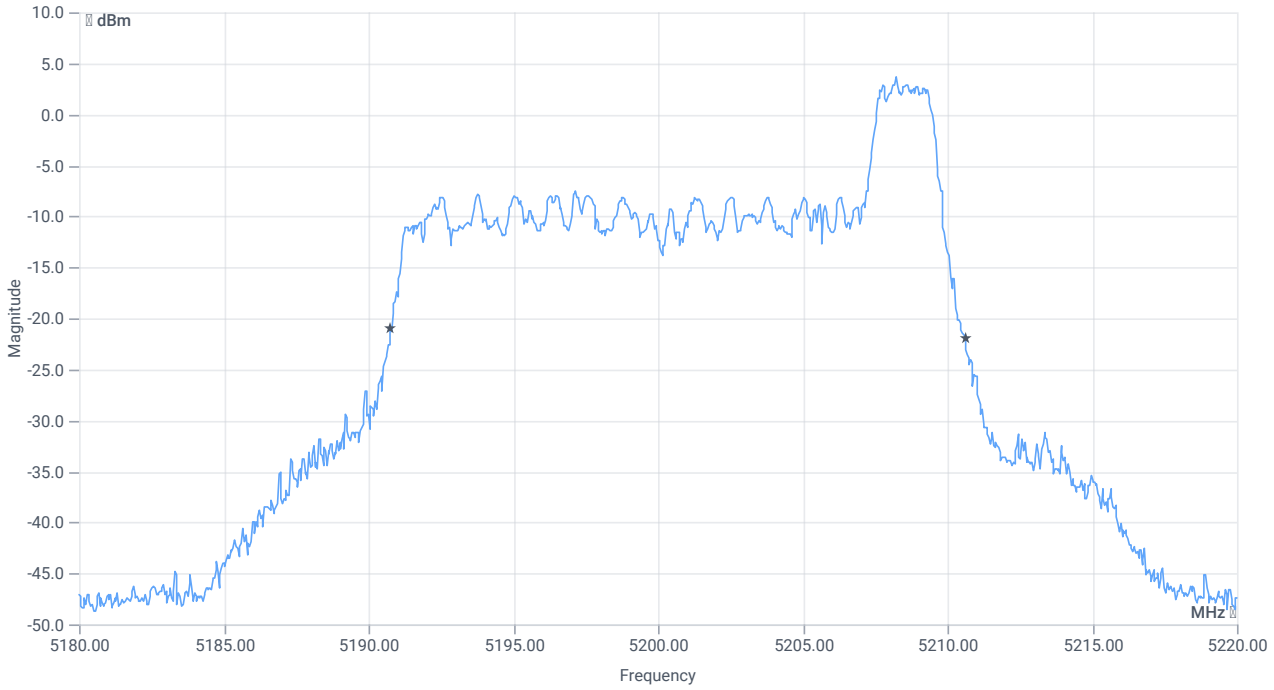
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.18	dBm	INFO
Ref. frequency	---	---	5207.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

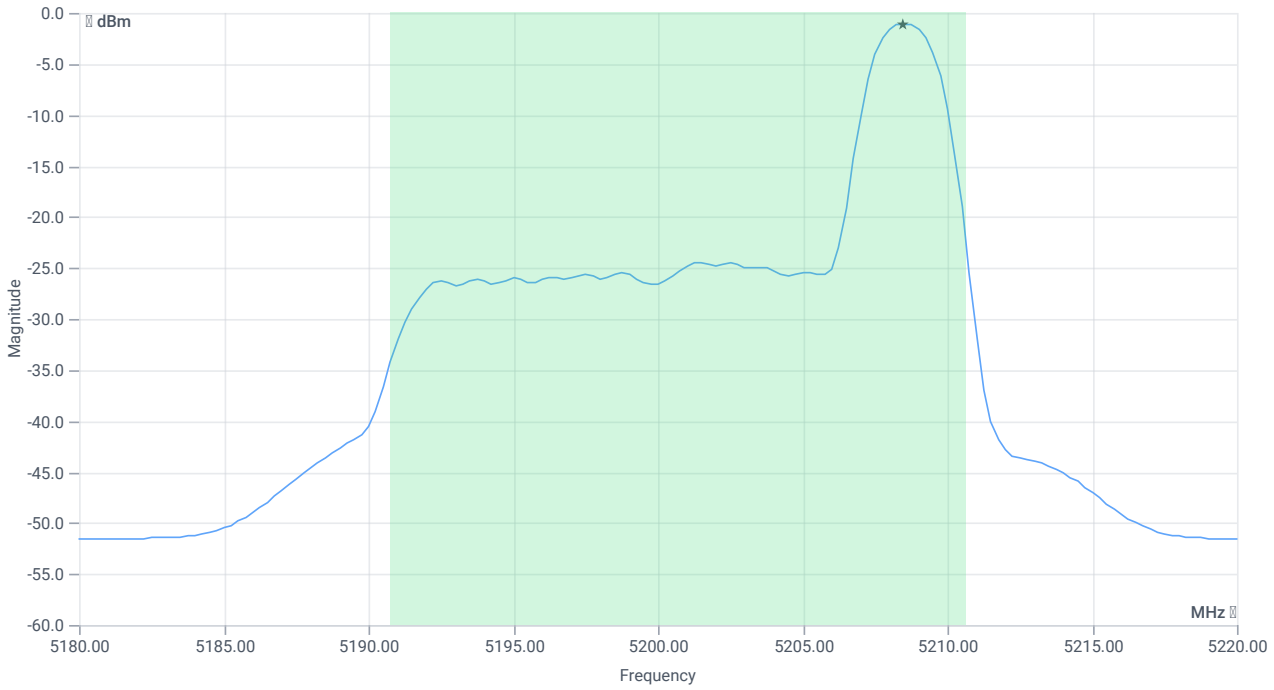
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.84	MHz	INFO
T1 26dB	---	---	5190.7600	MHz	INFO
T2 26dB	---	---	5210.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.18 | 10.85 | 25
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	---	---	1.8	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.8	dBm	PASS
LIMIT: 11 dBm + 10 log 19.84					
Max output power DC corrected cond	---	23.98	1.8	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.07	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.07	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

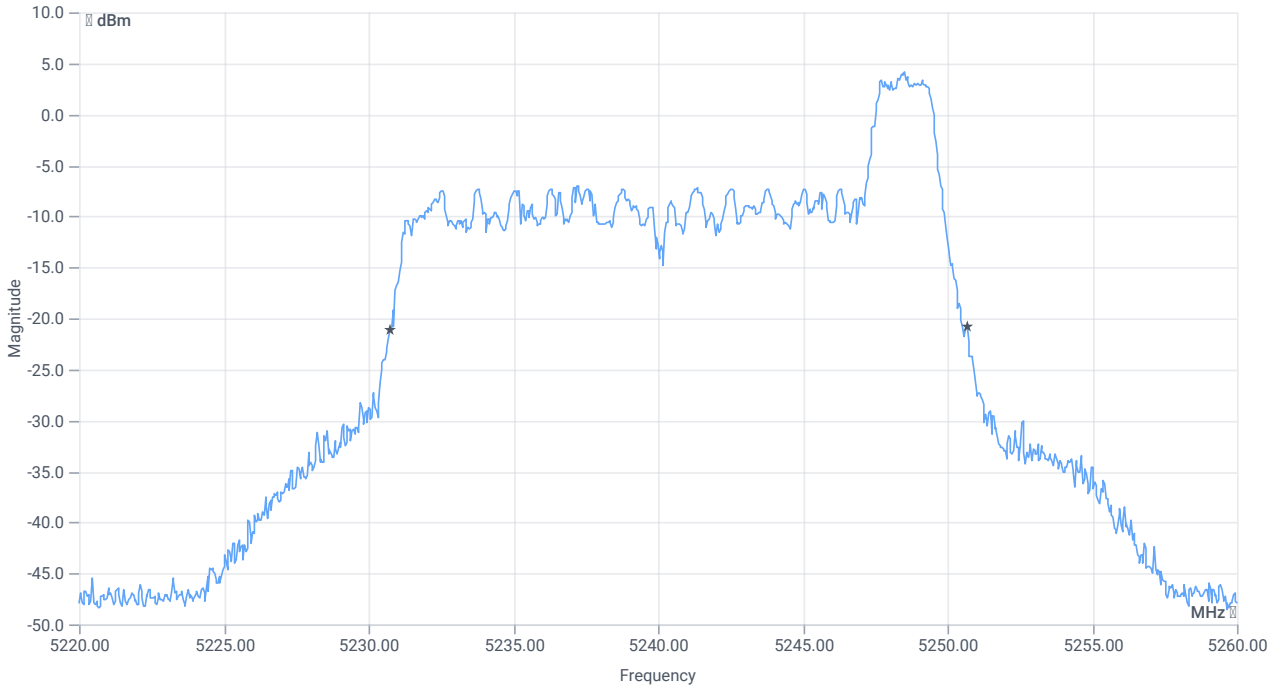
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.49	dBm	INFO
Ref. frequency	---	---	5248.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

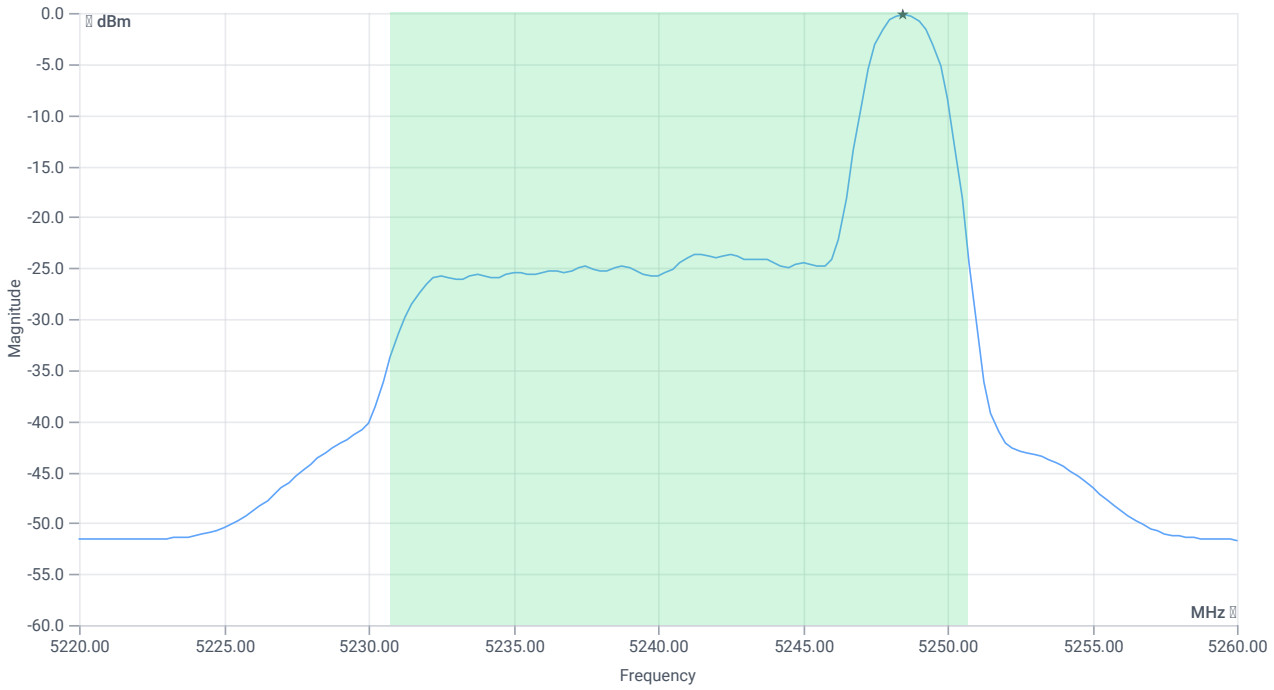
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.96	MHz	INFO
T1 26dB	---	---	5230.7200	MHz	INFO
T2 26dB	---	---	5250.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.49 | 10.86 | 25
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	---	---	2.66	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.66	dBm	PASS
LIMIT: 11 dBm + 10 log 19.96					
Max output power DC corrected cond	---	24	2.66	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

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/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.23	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 17:17:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

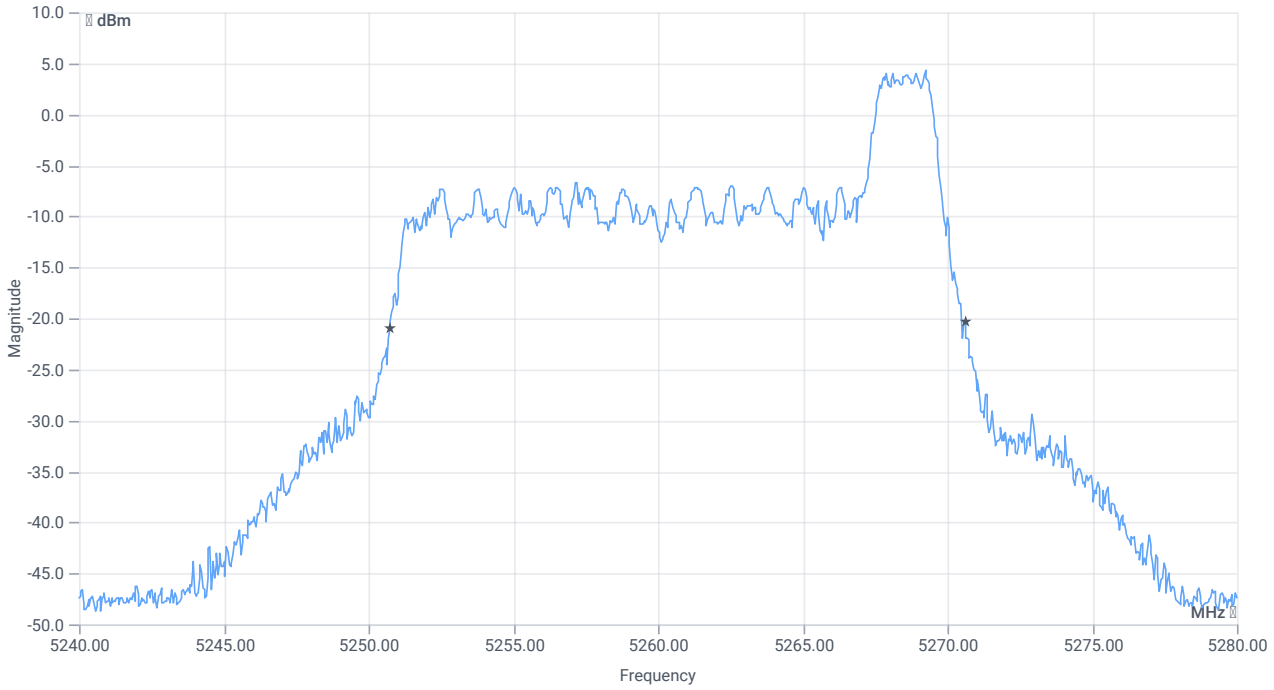
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.11	dBm	INFO
Ref. frequency	---	---	5268.590	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.88	MHz	INFO
T1 26dB	---	---	5250.7200	MHz	INFO
T2 26dB	---	---	5270.6000	MHz	INFO

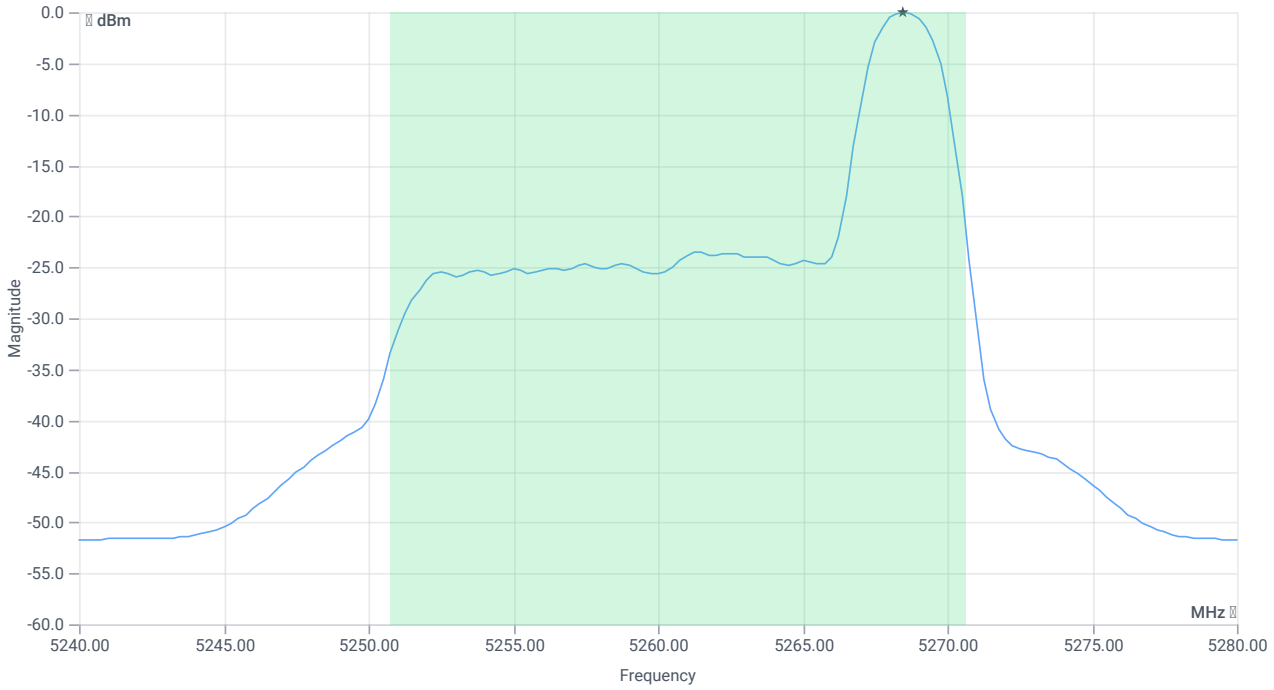
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.11 | 10.85 | 25
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	---	---	2.83	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.83	dBm	PASS
LIMIT: 11 dBm + 10 log 19.88					
Max output power DC corrected cond	---	23.98	2.83	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.83	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	---	---	-0.05	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.05	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

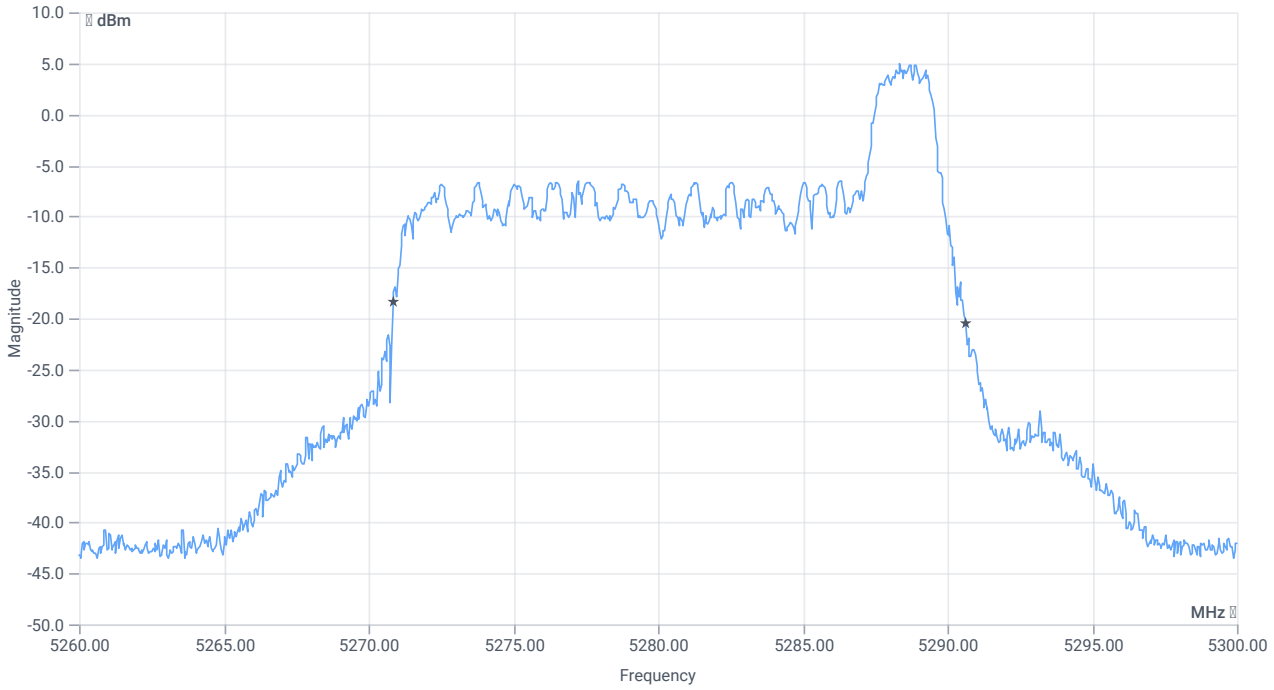
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.78	dBm	INFO
Ref. frequency	---	---	5288.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.8	MHz	INFO
T1 26dB	---	---	5270.8400	MHz	INFO
T2 26dB	---	---	5290.6400	MHz	INFO

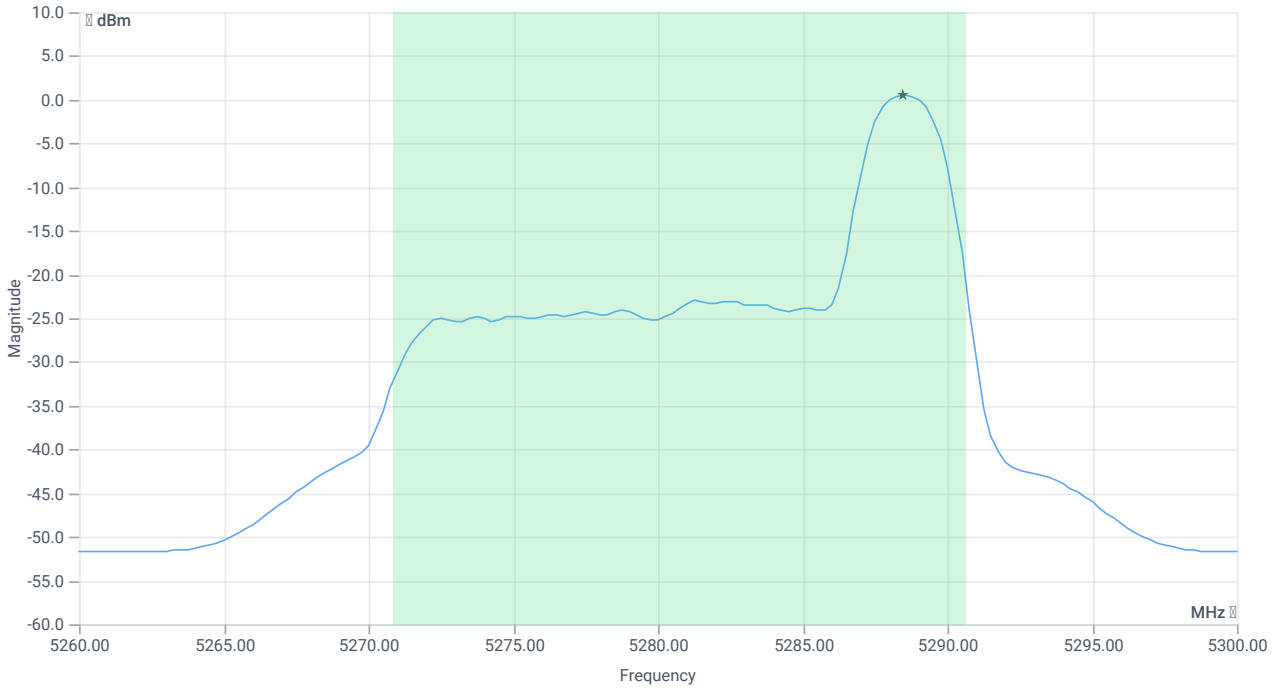
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.78 | 10.84 | 25
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	---	---	3.35	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.35	dBm	PASS
LIMIT: 11 dBm + 10 log 19.8					
Max output power DC corrected cond	---	23.97	3.35	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.35	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	---	---	0.48	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.48	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

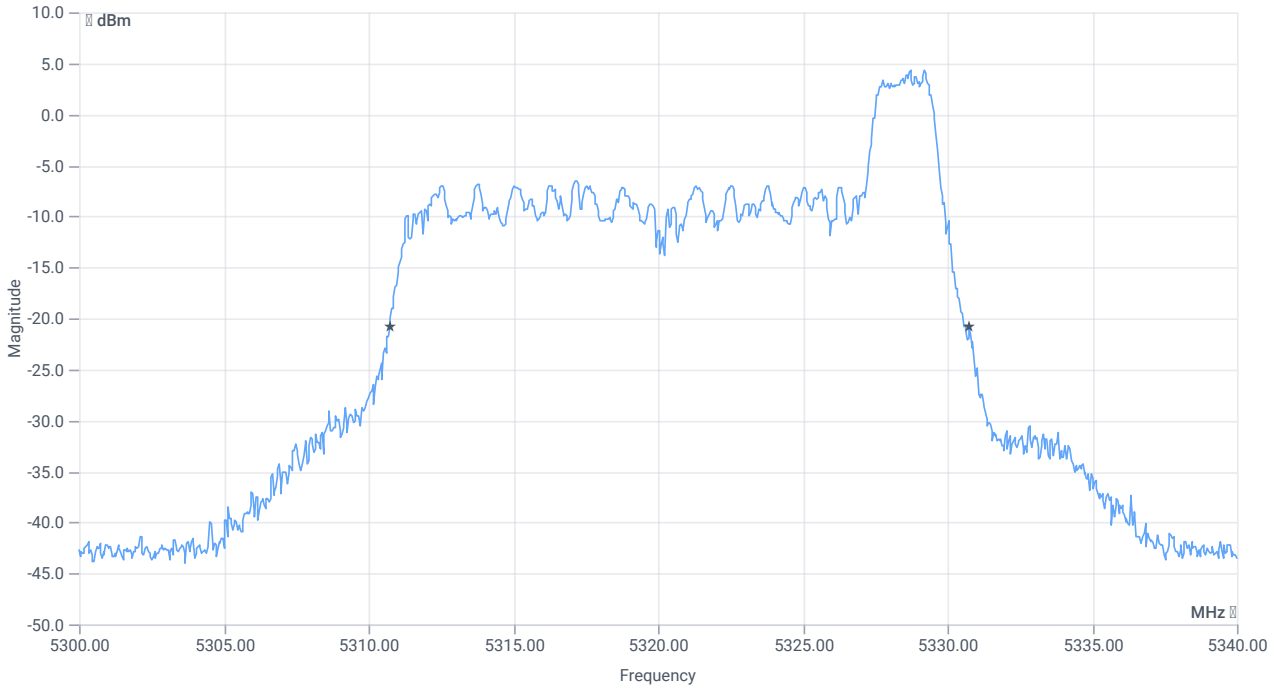
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.83	dBm	INFO
Ref. frequency	---	---	5327.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.04	MHz	INFO
T1 26dB	---	---	5310.7200	MHz	INFO
T2 26dB	---	---	5330.7600	MHz	INFO

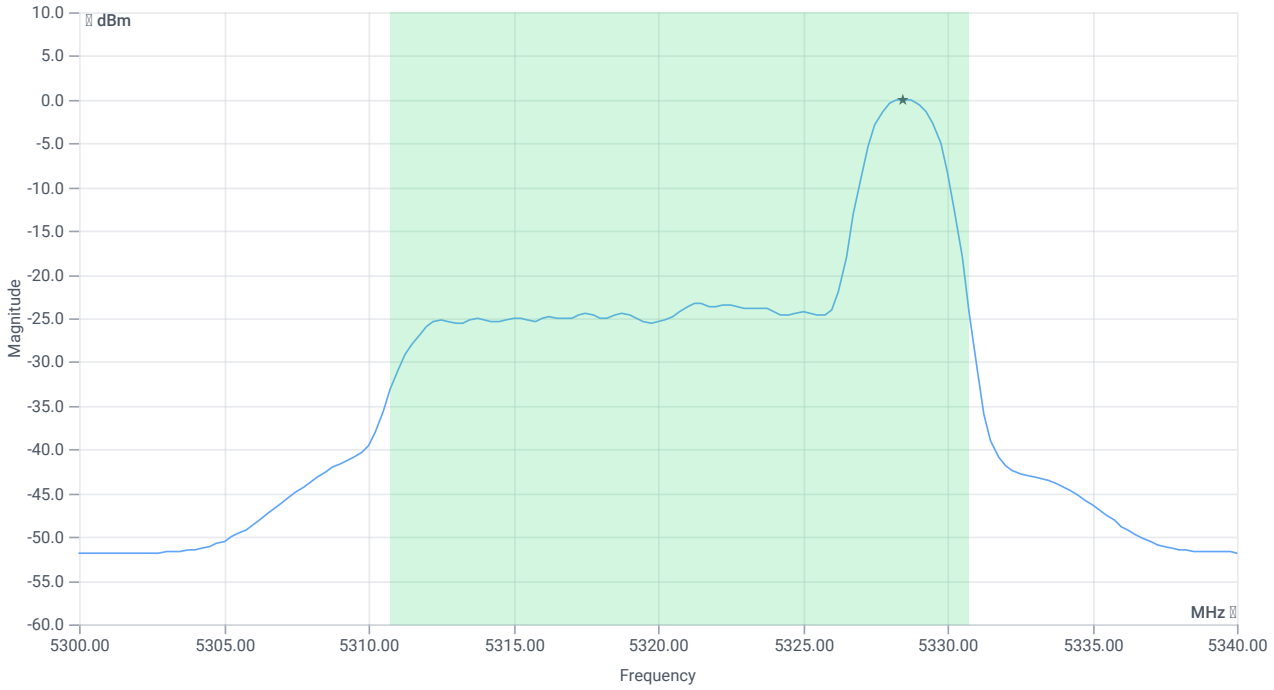
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.83 | 10.76 | 25
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	---	---	2.91	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.91	dBm	PASS
LIMIT: 11 dBm + 10 log 20.04					
Max output power DC corrected cond	---	24.02	2.91	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.91	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	---	---	0.02	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.02	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 17:25:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

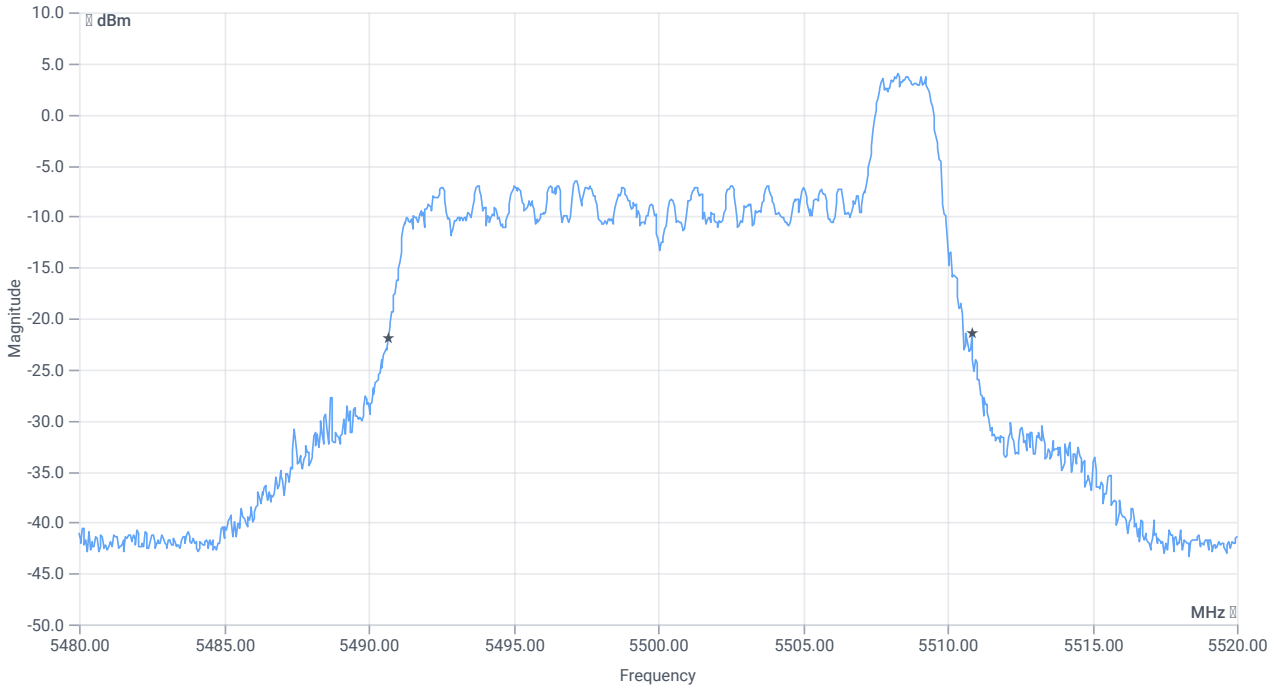
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.47	dBm	INFO
Ref. frequency	---	---	5508.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

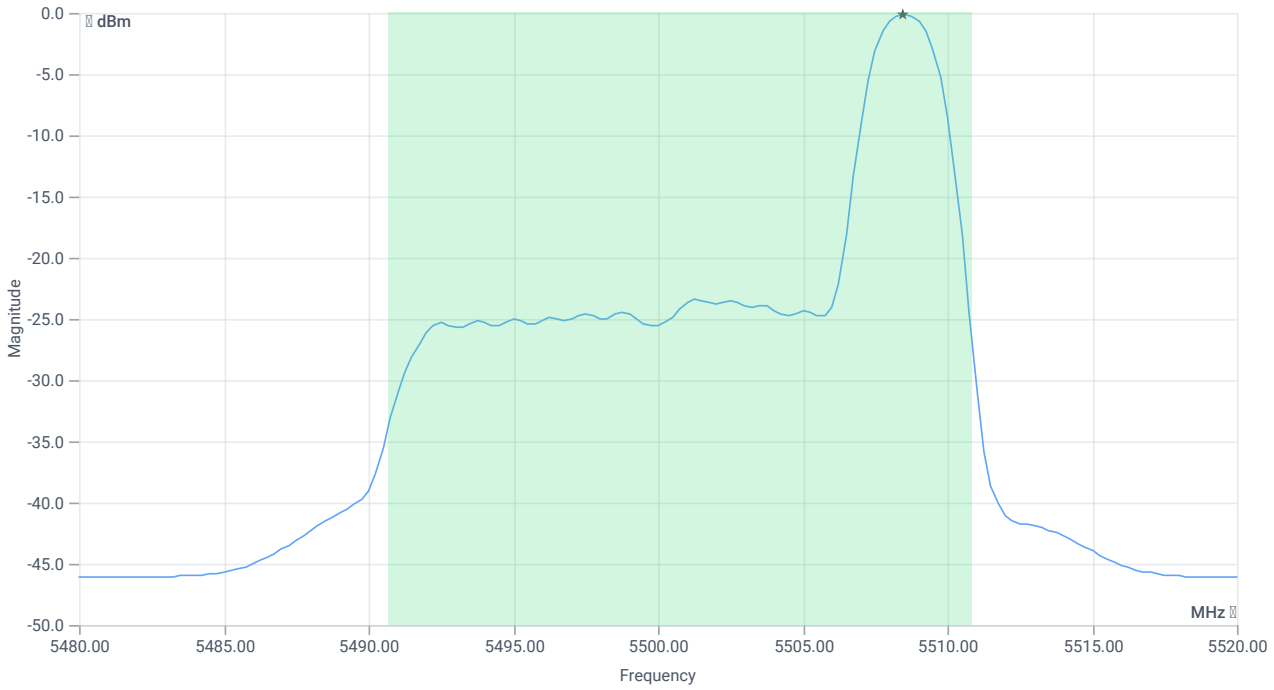
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.16	MHz	INFO
T1 26dB	---	---	5490.6800	MHz	INFO
T2 26dB	---	---	5510.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.47 | 10.87 | 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	---	---	2.74	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.74	dBm	PASS
LIMIT: 11 dBm + 10 log 20.16					
Max output power DC corrected cond	---	24.04	2.74	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	2.74	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	---	---	-0.18	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.18	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

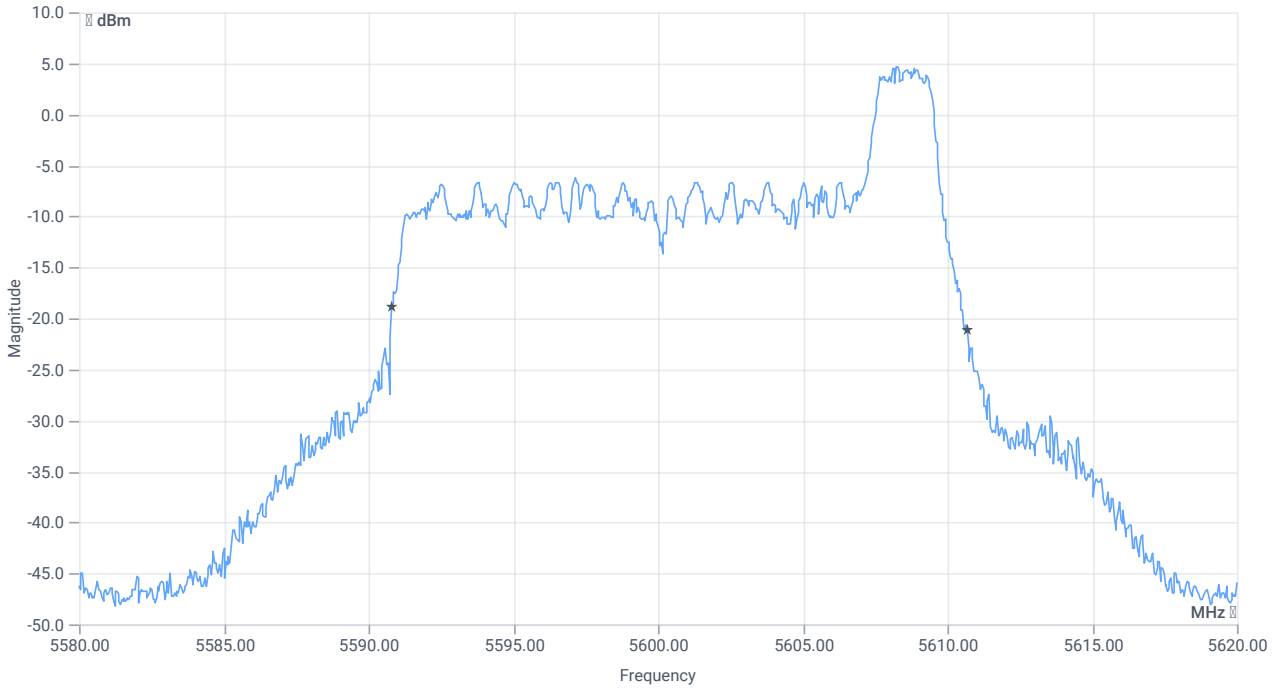
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.79	dBm	INFO
Ref. frequency	---	---	5608.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

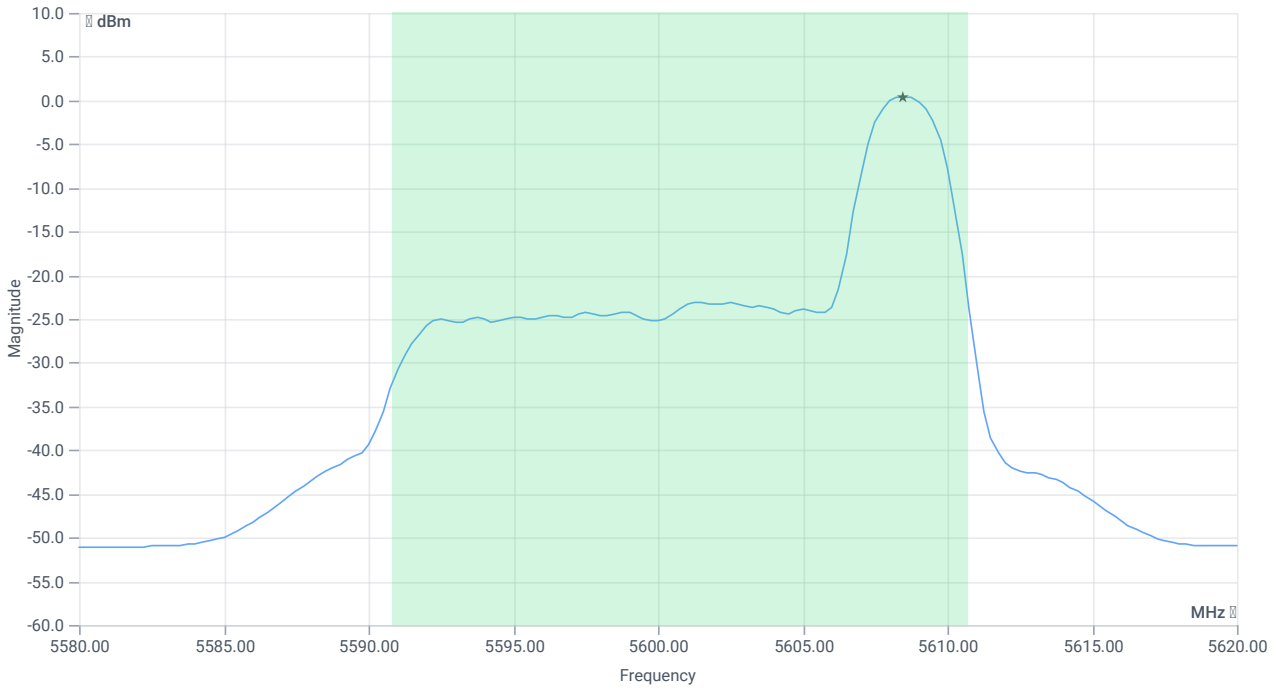
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.88	MHz	INFO
T1 26dB	---	---	5590.8000	MHz	INFO
T2 26dB	---	---	5610.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.79 | 11.02 | 25
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	---	---	3.27	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.27	dBm	PASS
LIMIT: 11 dBm + 10 log 19.88					
Max output power DC corrected cond	---	23.98	3.27	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.27	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	---	---	0.4	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.4	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

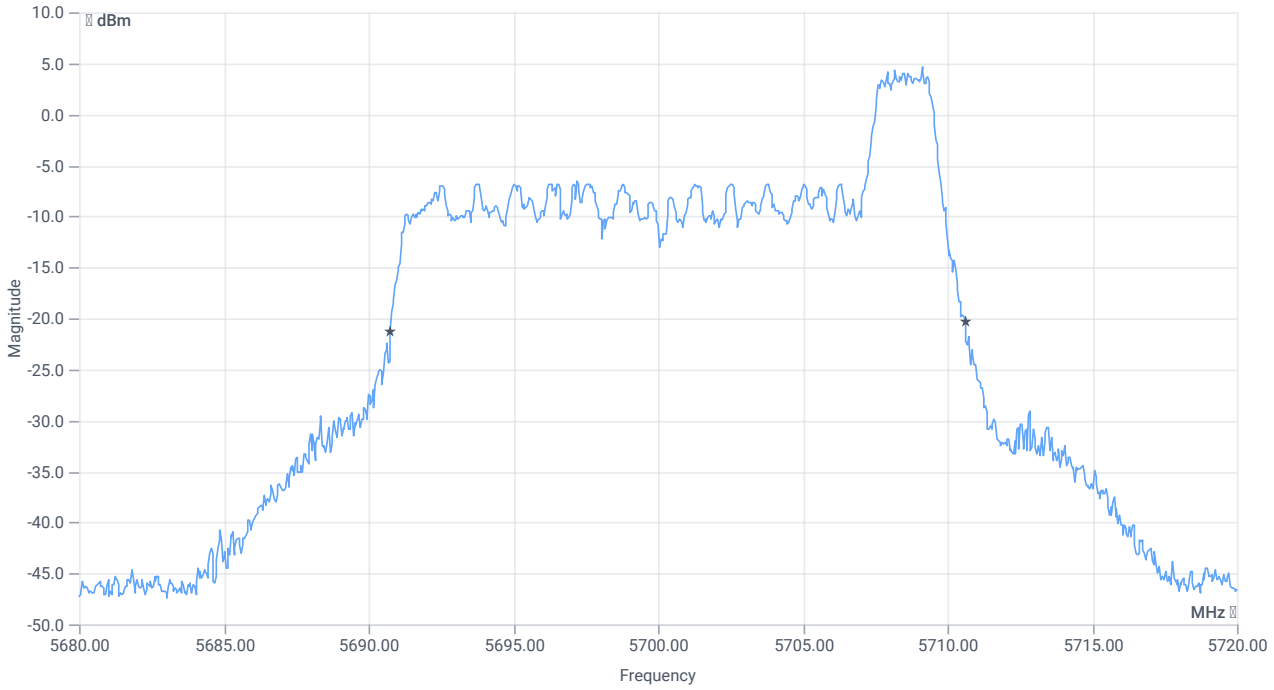
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.41	dBm	INFO
Ref. frequency	---	---	5708.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

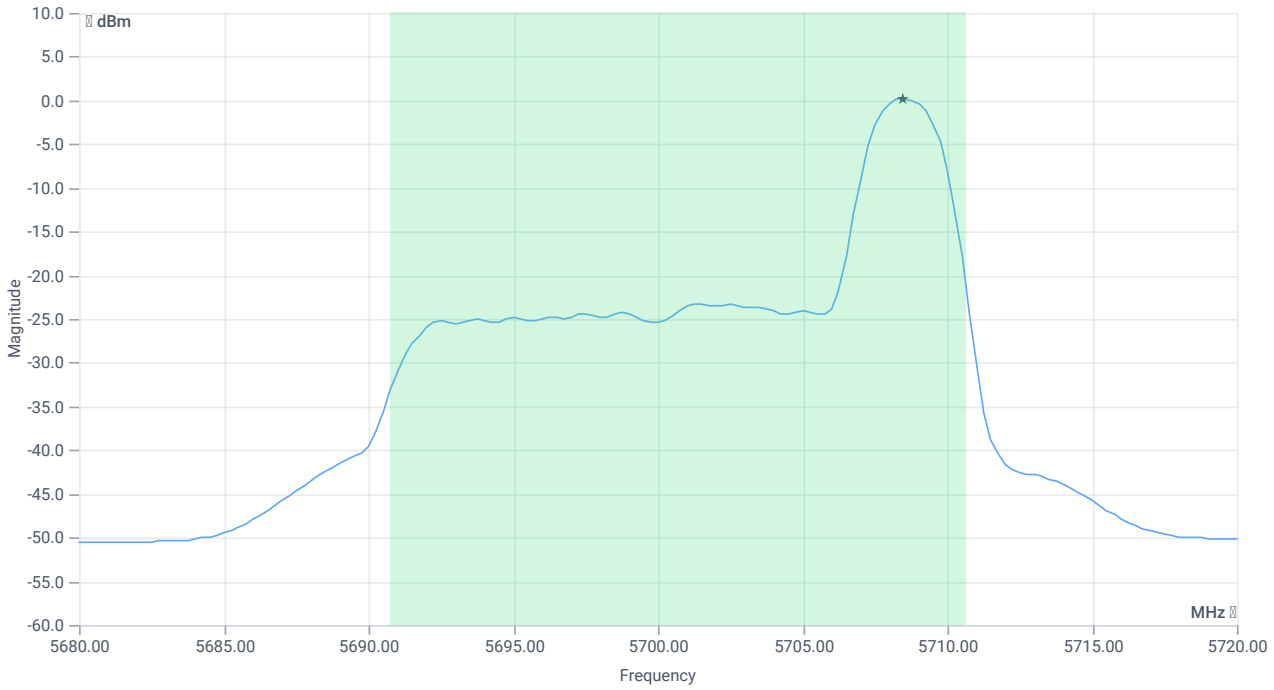
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.84	MHz	INFO
T1 26dB	---	---	5690.7600	MHz	INFO
T2 26dB	---	---	5710.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.41 | 11.16 | 25
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	---	---	3.03	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.03	dBm	PASS
LIMIT: 11 dBm + 10 log 19.84					
Max output power DC corrected cond	---	23.98	3.03	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	3.03	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	---	---	0.16	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	0.16	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 17:35:02
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

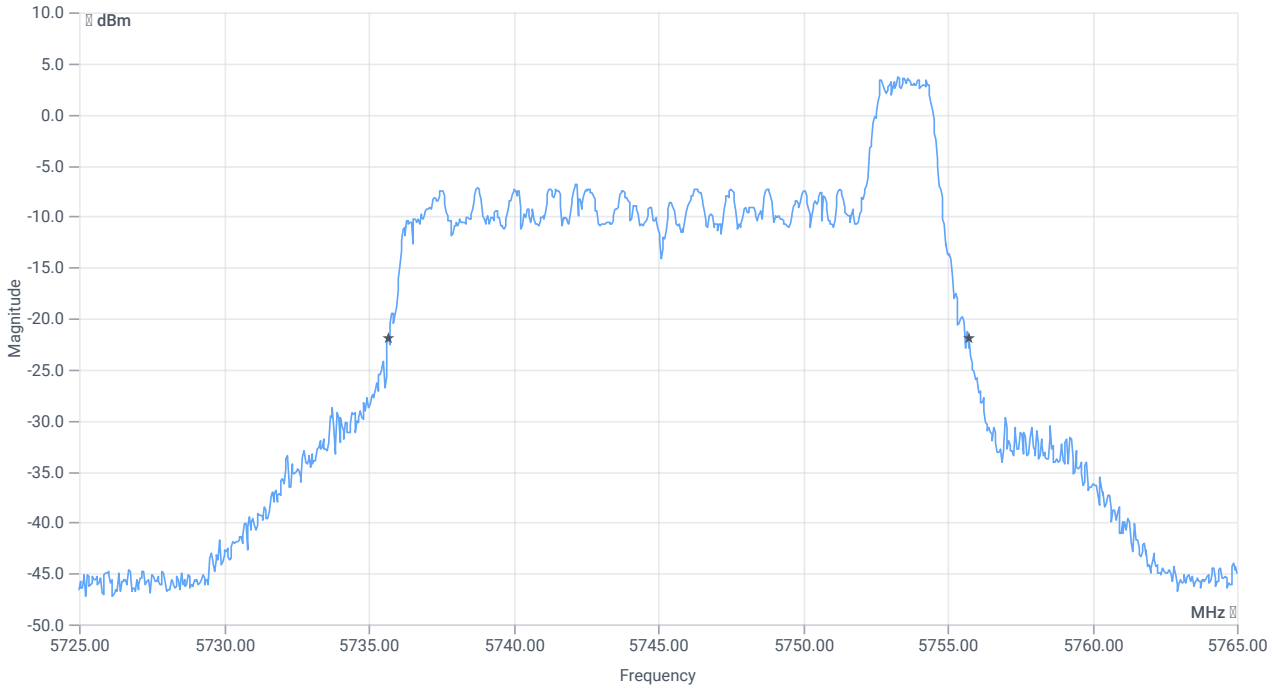
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.66	dBm	INFO
Ref. frequency	---	---	5753.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

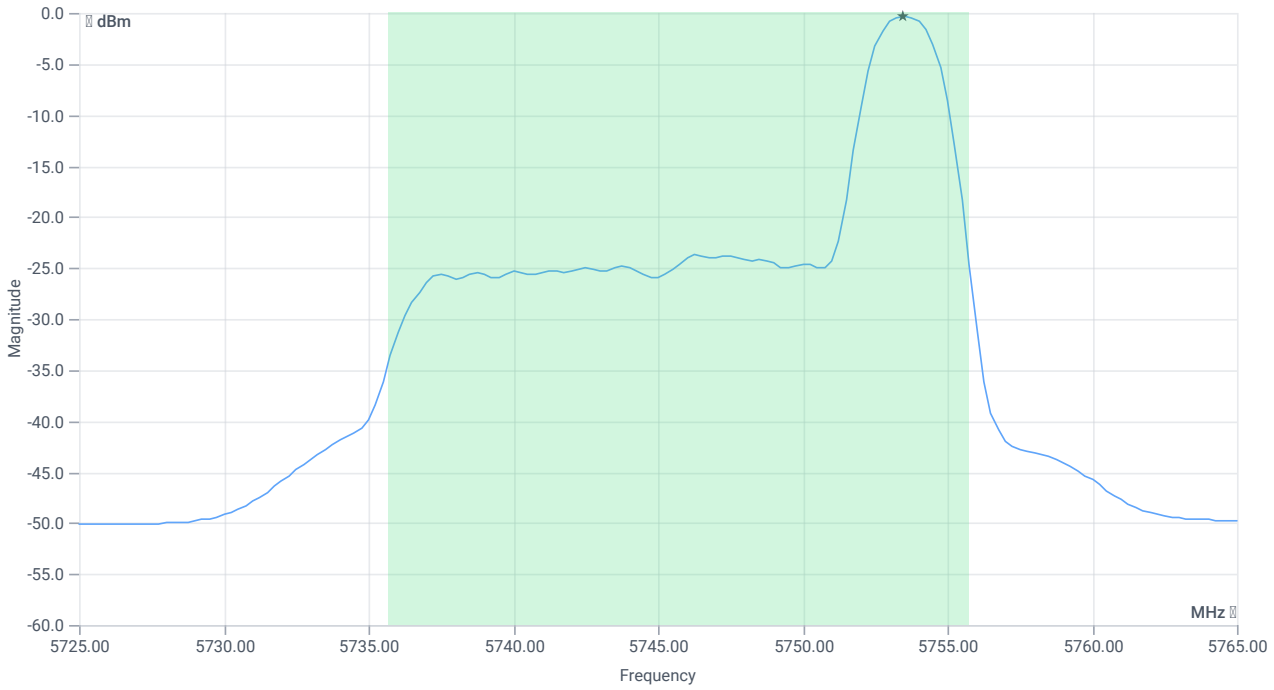
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.08	MHz	INFO
T1 26dB	---	---	5735.6800	MHz	INFO
T2 26dB	---	---	5755.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.66 | 11.14 | 25
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	---	---	2.57	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.57	dBm	PASS
LIMIT: 11 dBm + 10 log 20.08					
Max output power DC corrected cond	---	24.03	2.57	dBm	na

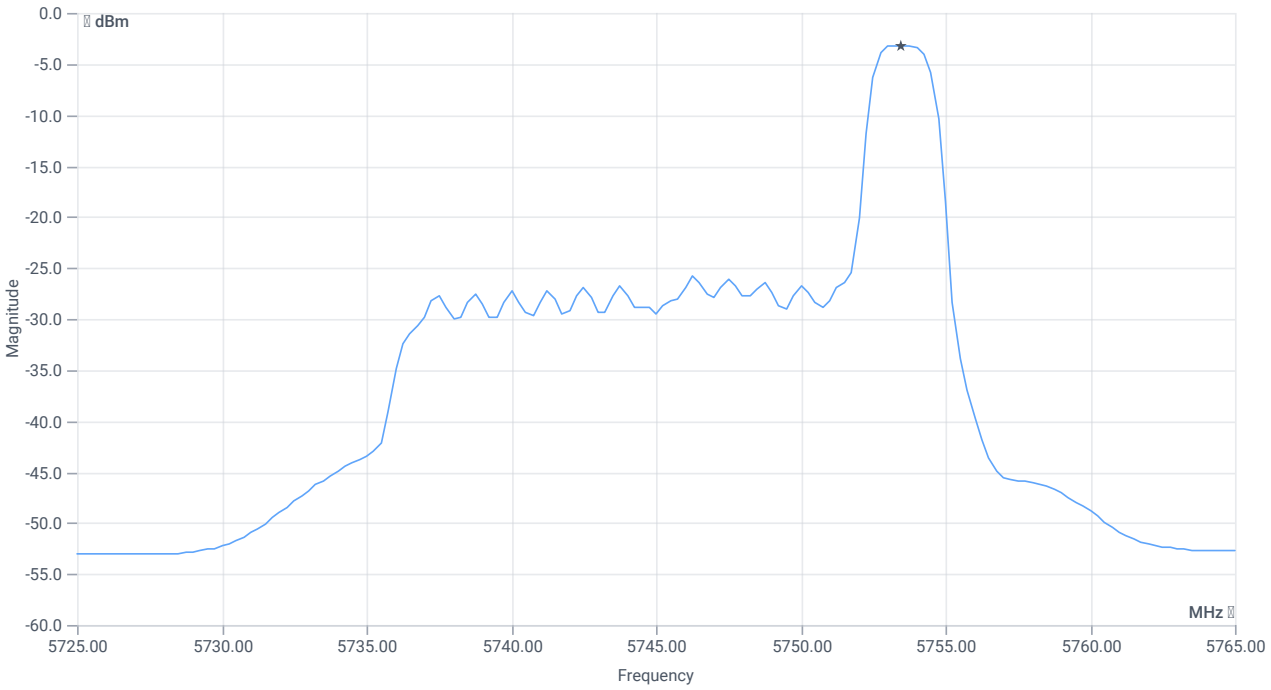
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	20.66 | 11.14 | 25

READ SA SETTINGS:

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	---	---	-3.17	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.17	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

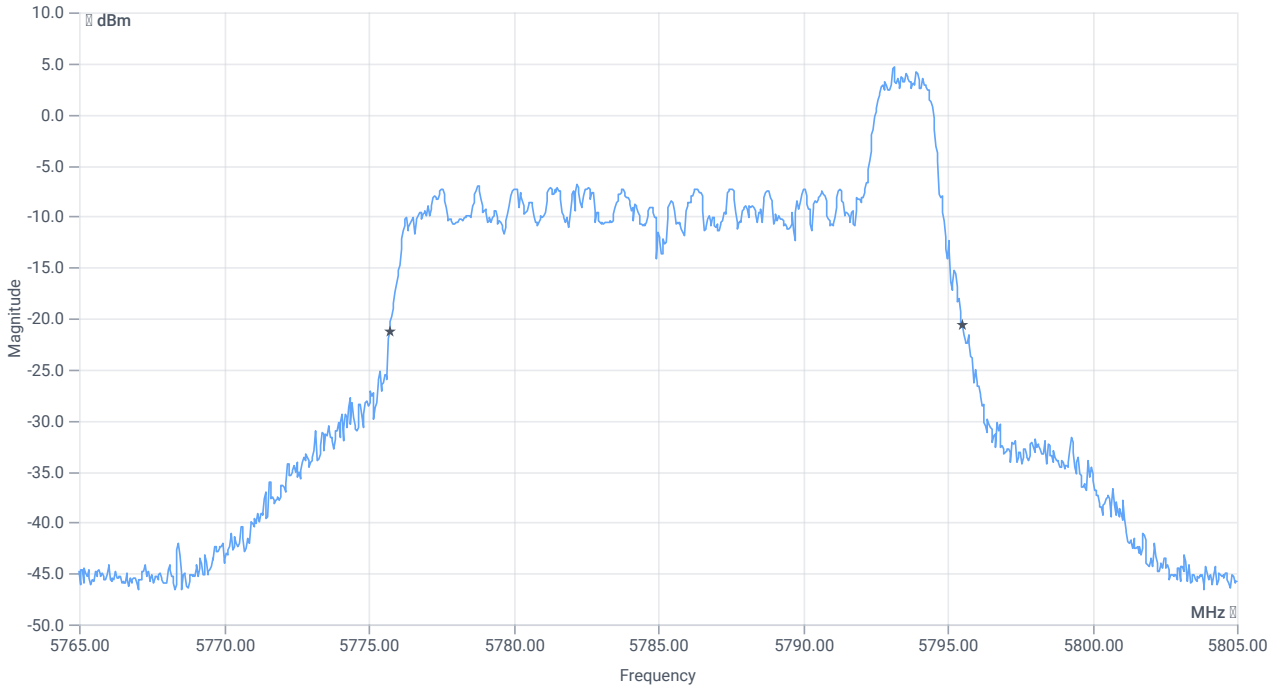
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.46	dBm	INFO
Ref. frequency	---	---	5793.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

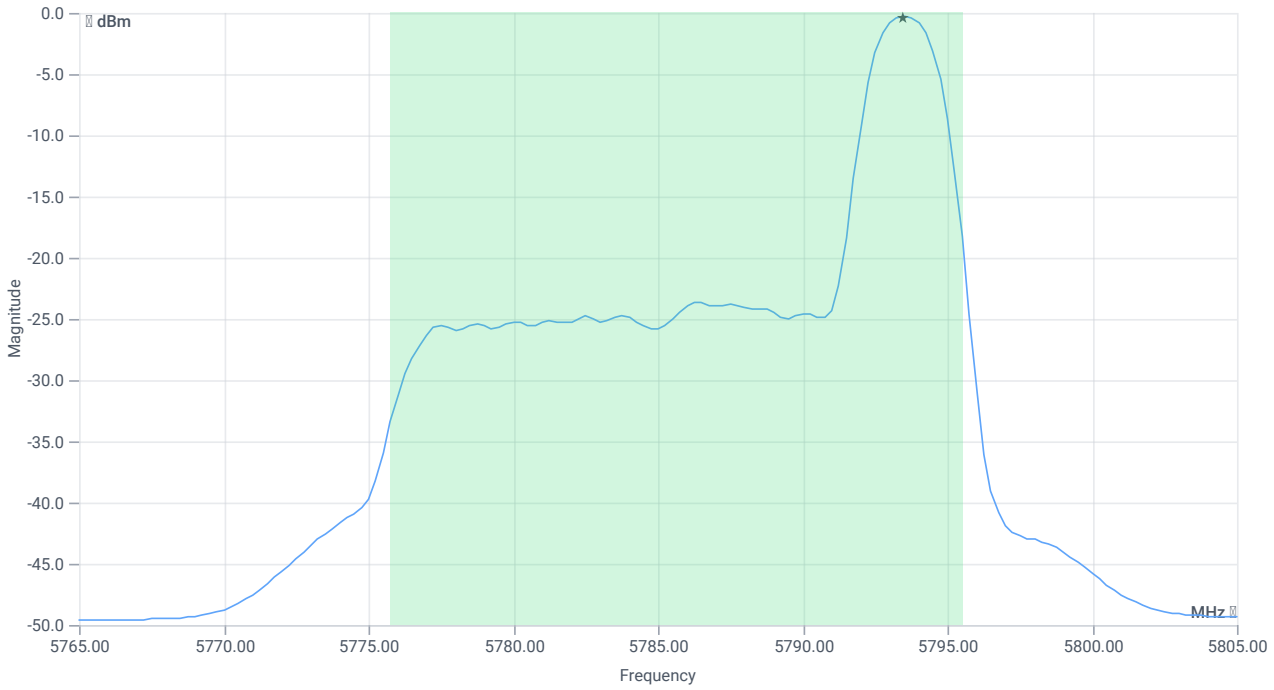
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.8	MHz	INFO
T1 26dB	---	---	5775.7200	MHz	INFO
T2 26dB	---	---	5795.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.46 | 11.31 | 25
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	---	---	2.54	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.54	dBm	PASS
LIMIT: 11 dBm + 10 log 19.8					
Max output power DC corrected cond	---	23.97	2.54	dBm	na

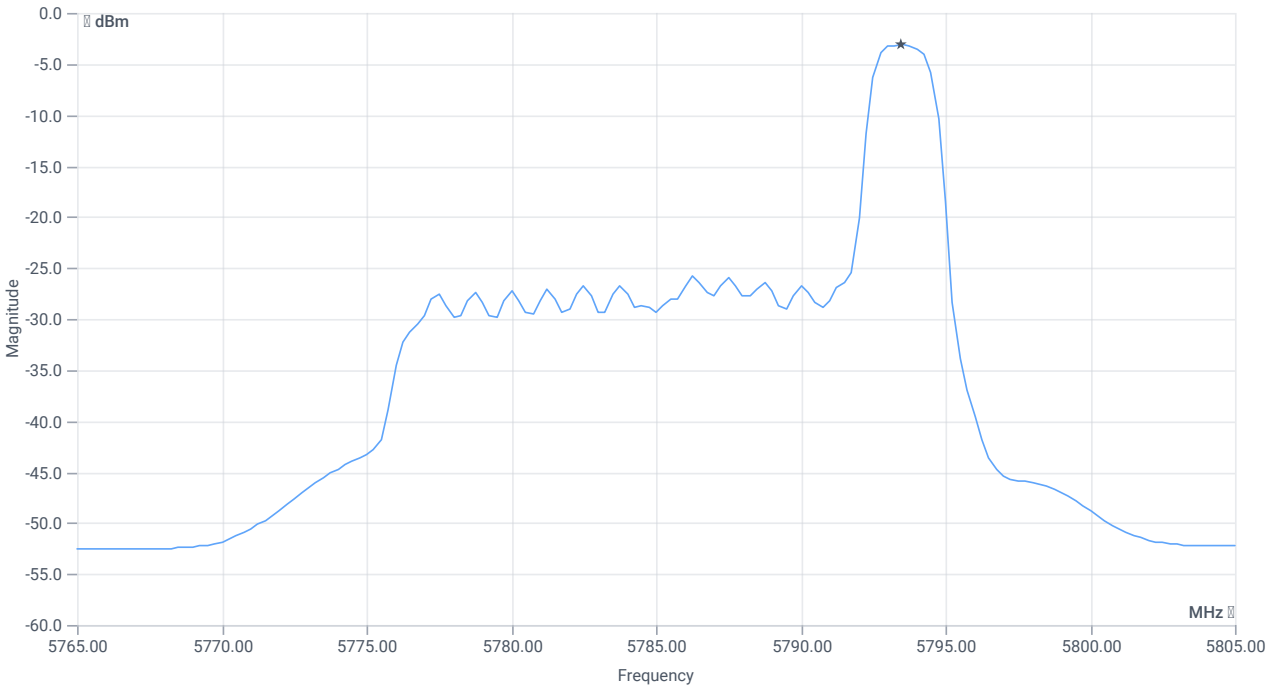
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.46 | 11.31 | 25

READ SA SETTINGS:

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	---	---	-3.16	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3.16	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

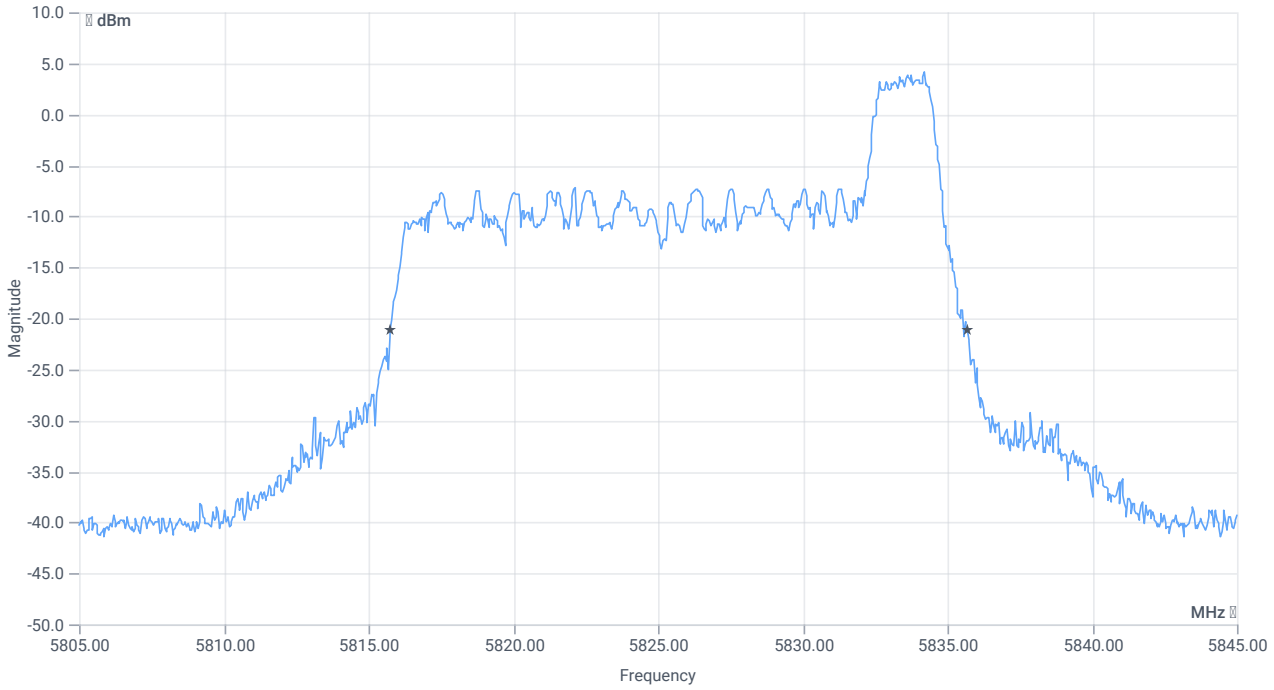
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.67	dBm	INFO
Ref. frequency	---	---	5833.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

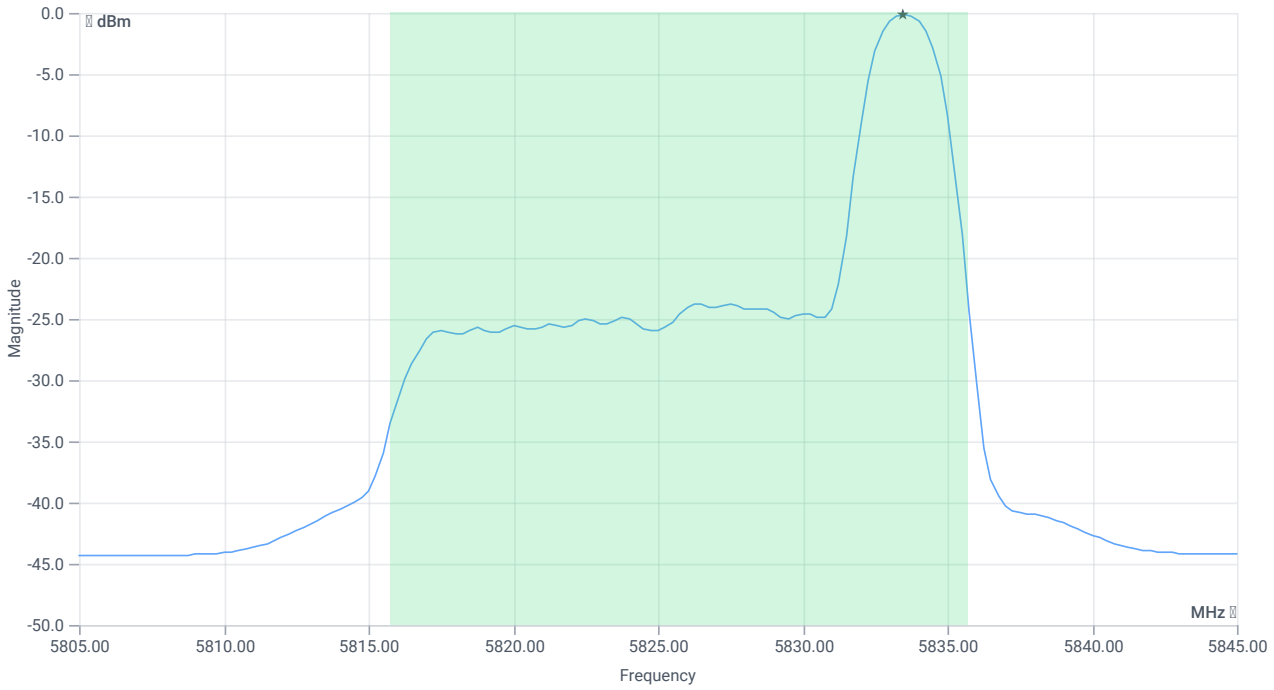
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.92	MHz	INFO
T1 26dB	---	---	5815.7600	MHz	INFO
T2 26dB	---	---	5835.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.67 | 11.29 | 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	---	---	2.73	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	2.73	dBm	PASS
LIMIT: 11 dBm + 10 log 19.92					
Max output power DC corrected cond	---	23.99	2.73	dBm	na

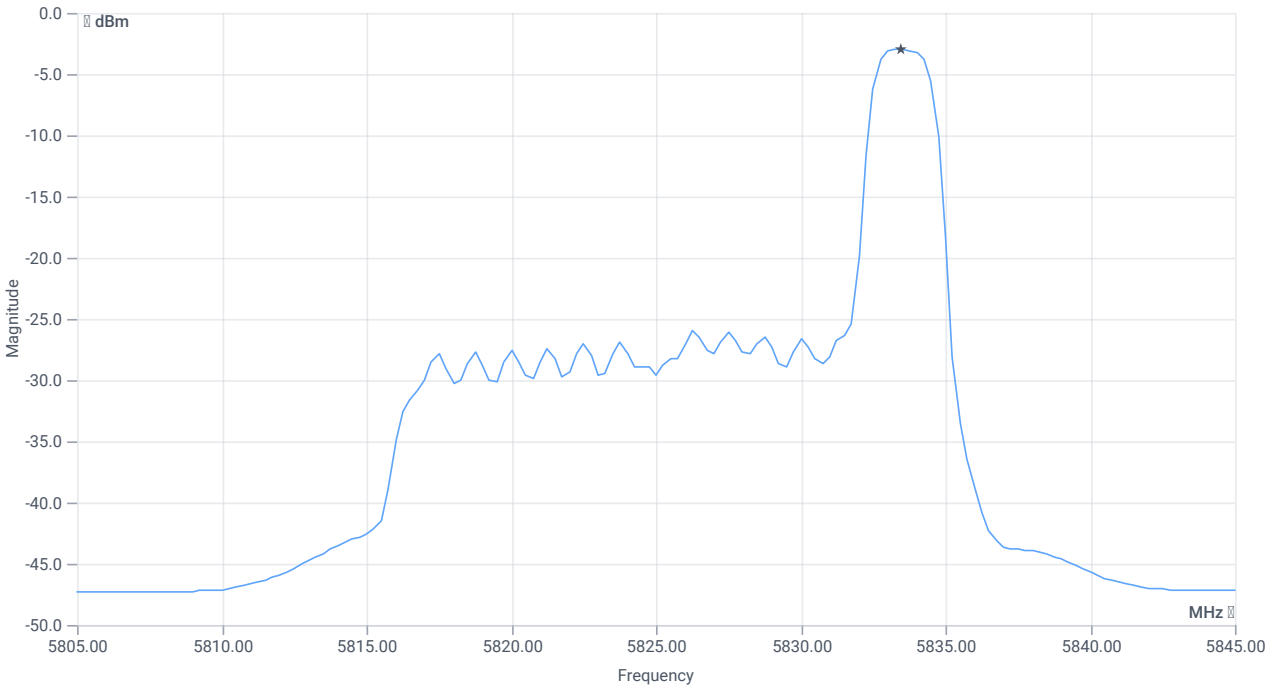
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.67 | 11.29 | 30

READ SA SETTINGS:

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	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-3	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.01.2026 13:24:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

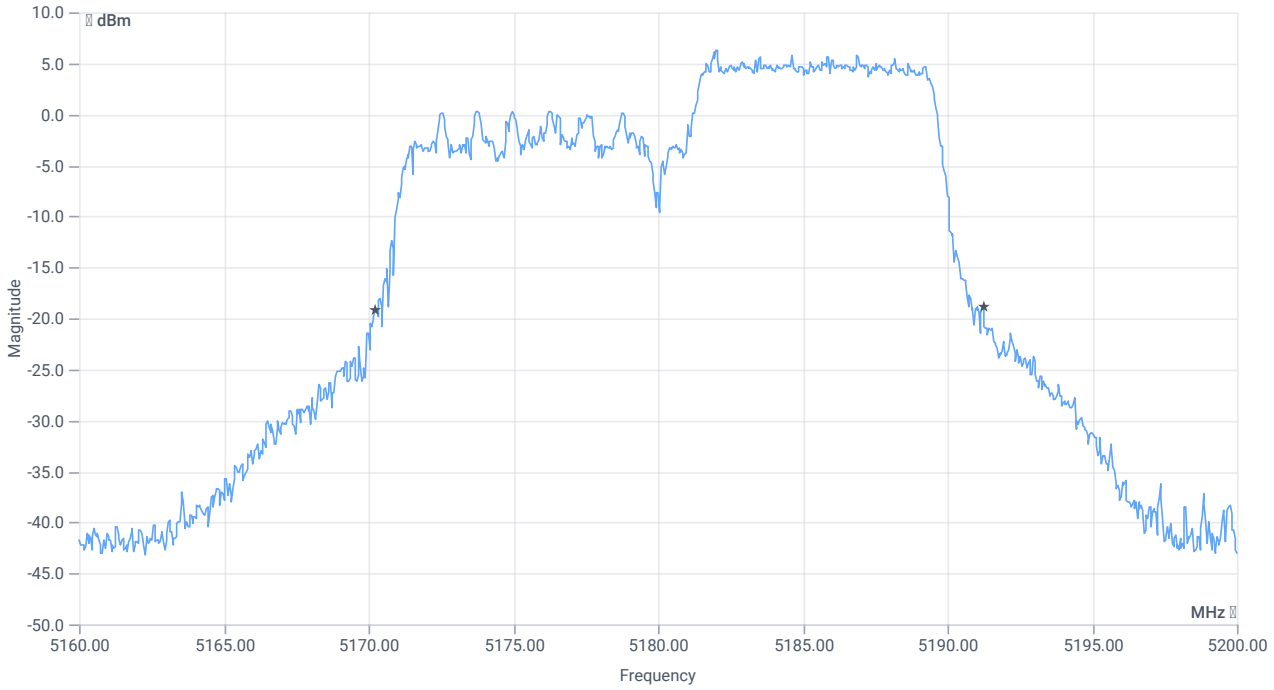
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.32	dBm	INFO
Ref. frequency	---	---	5185.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

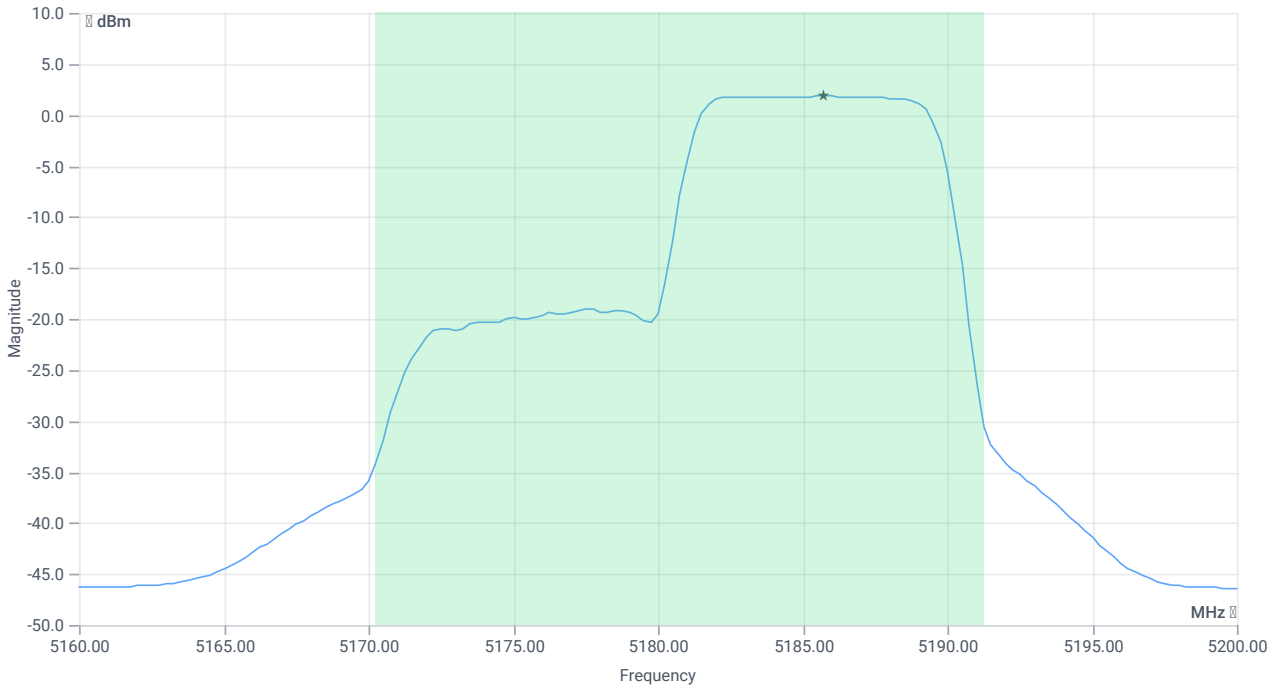
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21	MHz	INFO
T1 26dB	---	---	5170.2400	MHz	INFO
T2 26dB	---	---	5191.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.32 | 10.89 | 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	---	---	10.66	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.66	dBm	PASS
LIMIT: 11 dBm + 10 log 21					
Max output power DC corrected cond	---	24.22	10.66	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.85	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.85	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

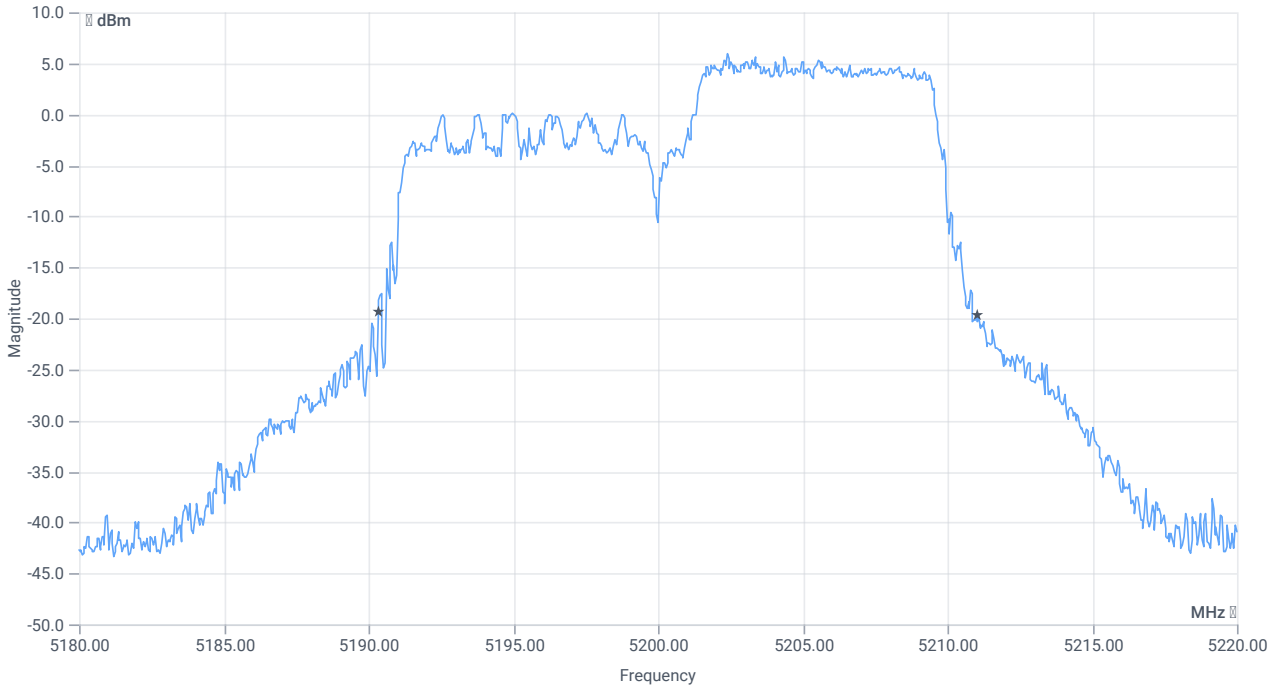
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.40	dBm	INFO
Ref. frequency	---	---	5203.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

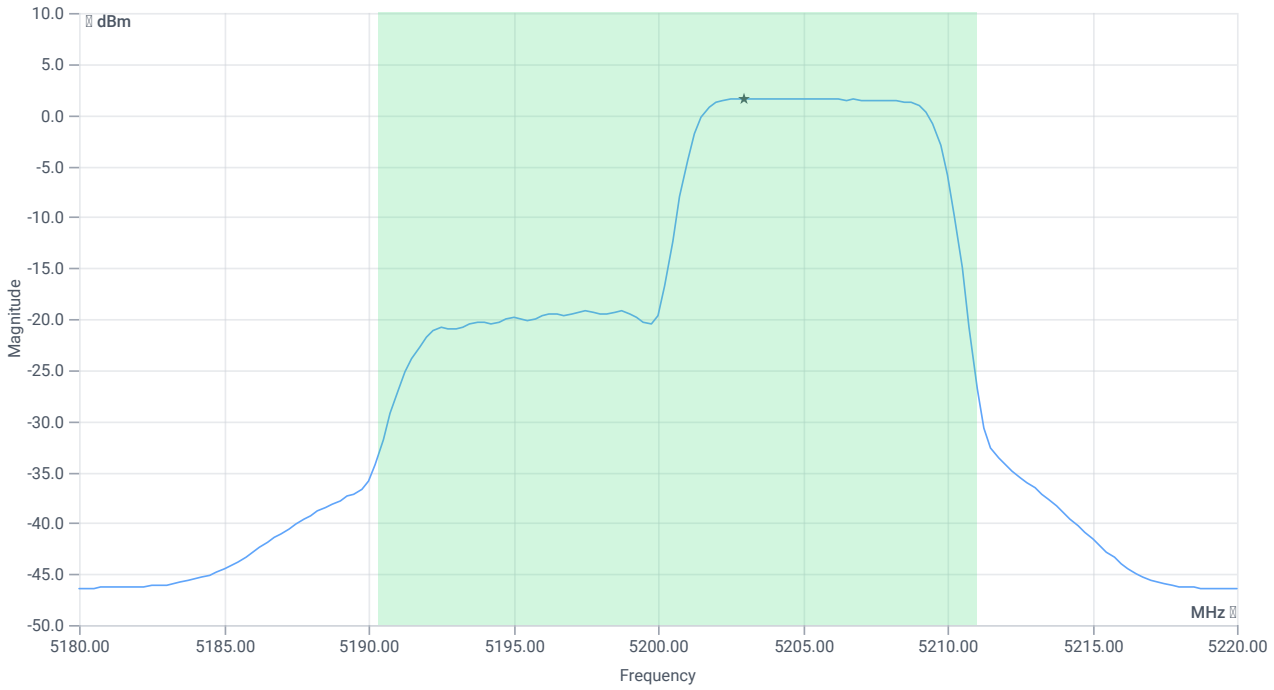
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.68	MHz	INFO
T1 26dB	---	---	5190.3200	MHz	INFO
T2 26dB	---	---	5211.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.40 | 10.85 | 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	---	---	10.39	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.39	dBm	PASS
LIMIT: 11 dBm + 10 log 20.68					
Max output power DC corrected cond	---	24.16	10.39	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.54	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.54	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

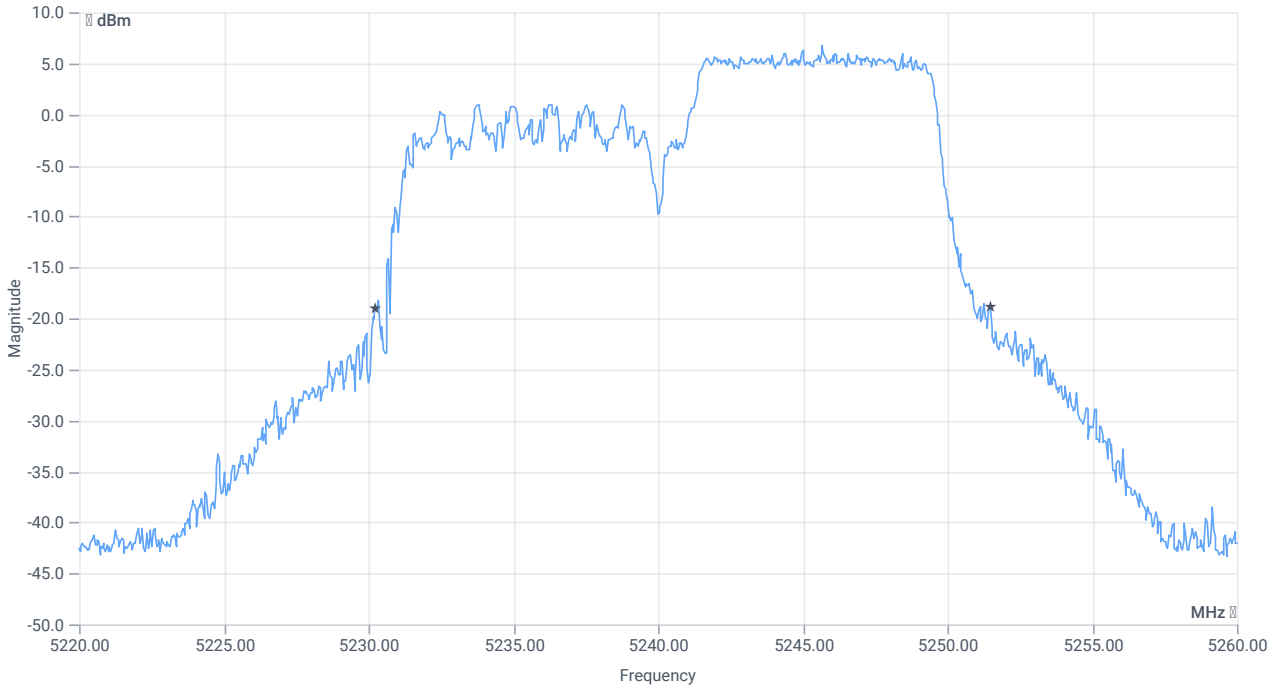
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.84	dBm	INFO
Ref. frequency	---	---	5245.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

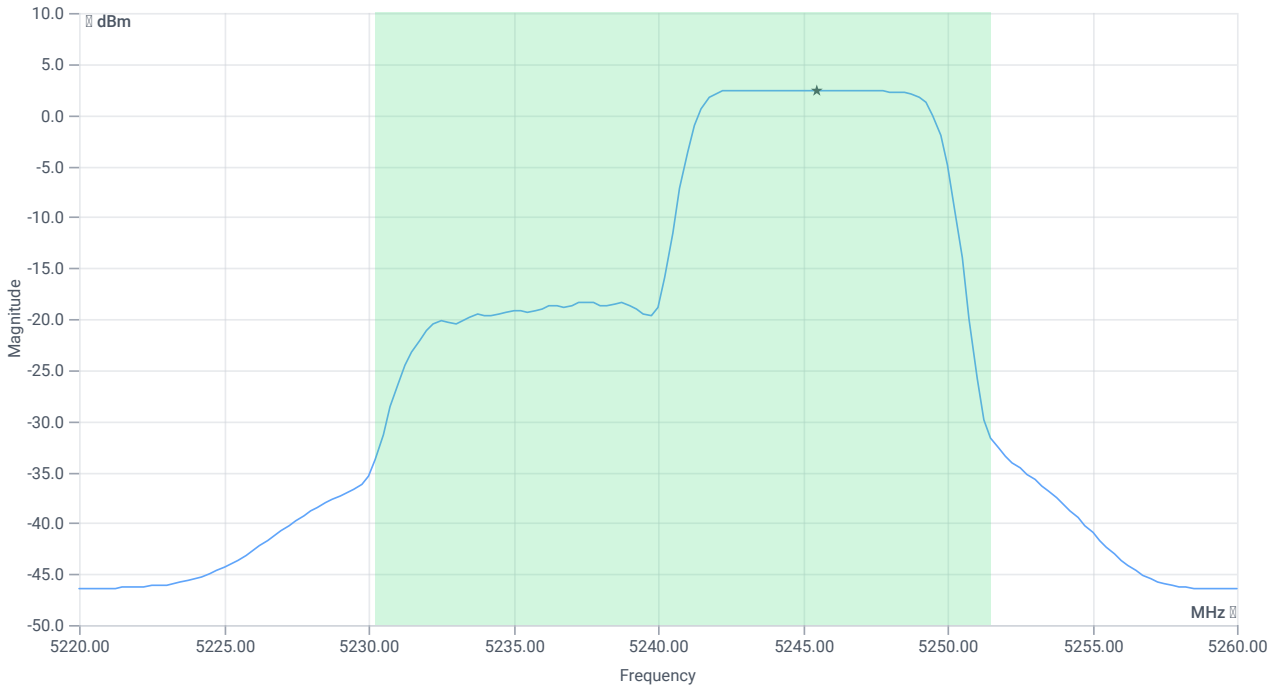
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.24	MHz	INFO
T1 26dB	---	---	5230.2400	MHz	INFO
T2 26dB	---	---	5251.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.84 | 10.86 | 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	---	---	11.29	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.29	dBm	PASS
LIMIT: 11 dBm + 10 log 21.24					
Max output power DC corrected cond	---	24.27	11.29	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.45	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 13:30:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

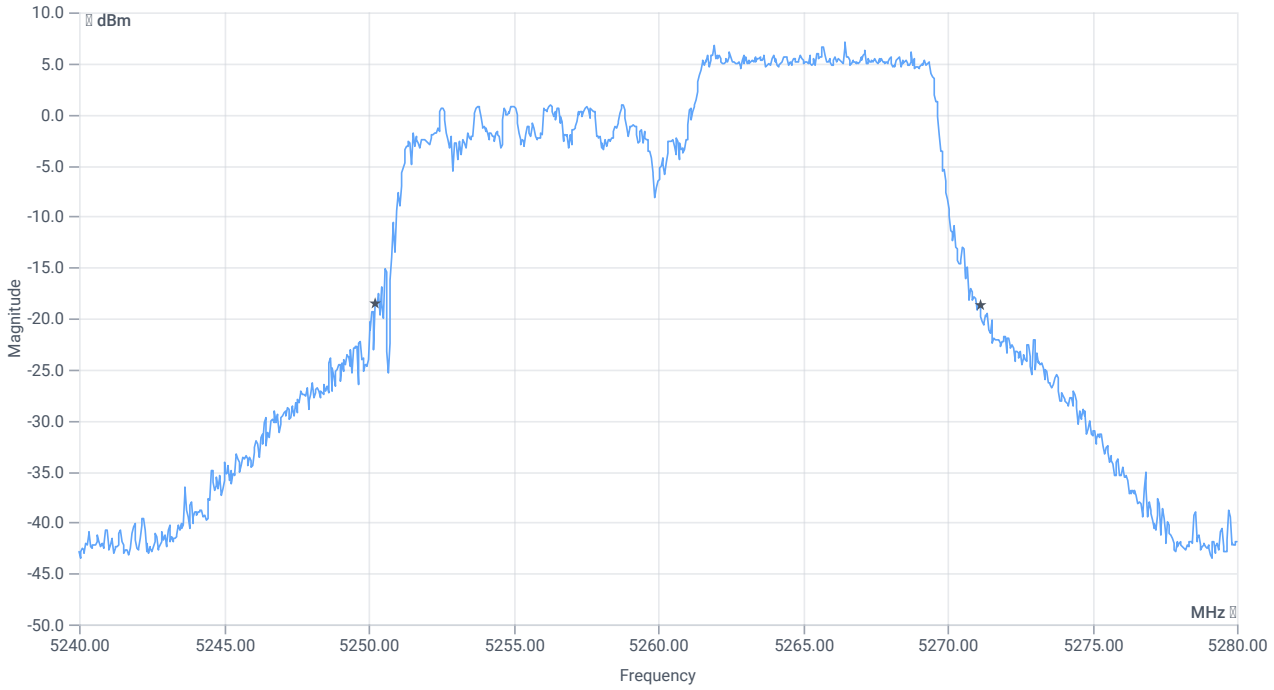
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.01	dBm	INFO
Ref. frequency	---	---	5268.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.88	MHz	INFO
T1 26dB	---	---	5250.2400	MHz	INFO
T2 26dB	---	---	5271.1200	MHz	INFO

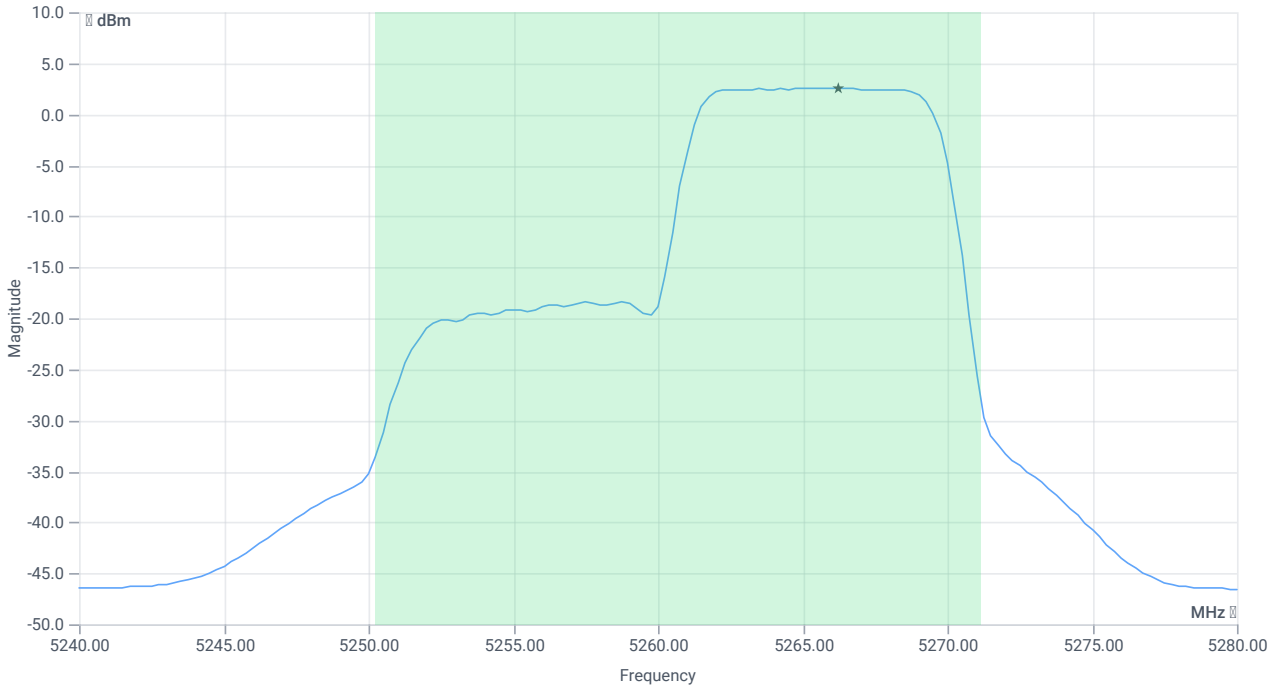
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.01 | 10.85 | 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	---	---	11.36	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.36	dBm	PASS
LIMIT: 11 dBm + 10 log 20.88					
Max output power DC corrected cond	---	24.2	11.36	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.36	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	---	---	2.53	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.53	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

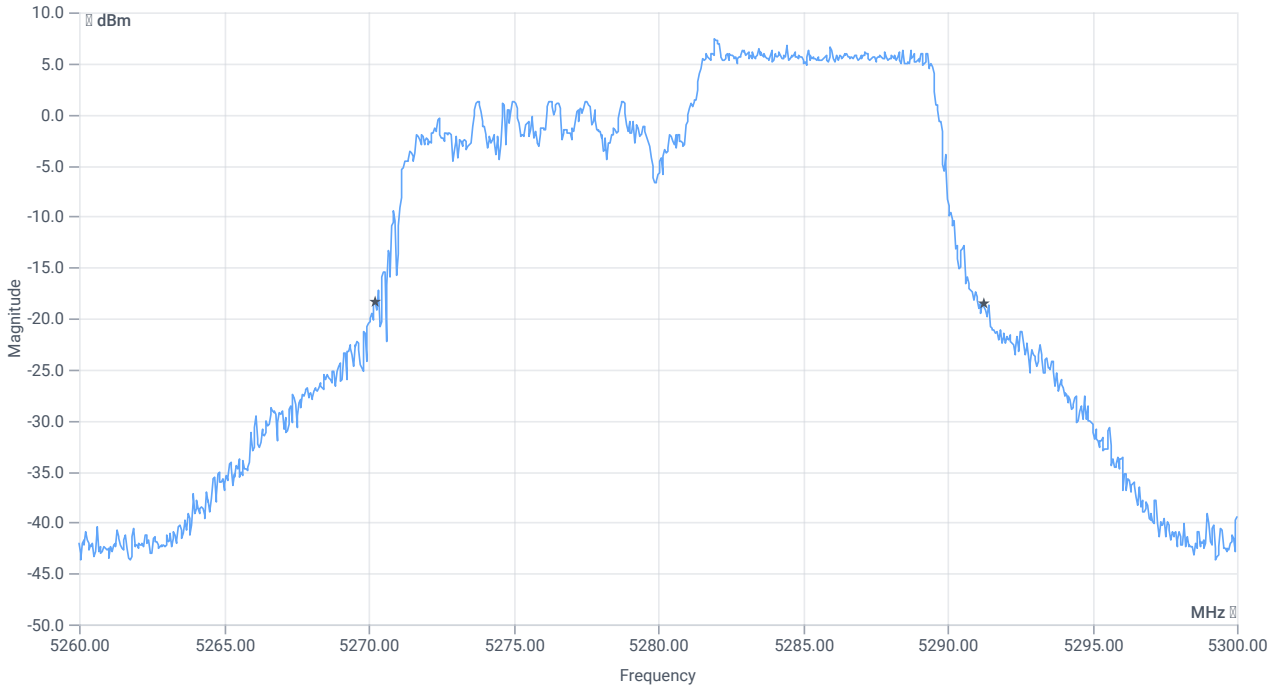
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.78	dBm	INFO
Ref. frequency	---	---	5285.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21	MHz	INFO
T1 26dB	---	---	5270.2400	MHz	INFO
T2 26dB	---	---	5291.2400	MHz	INFO

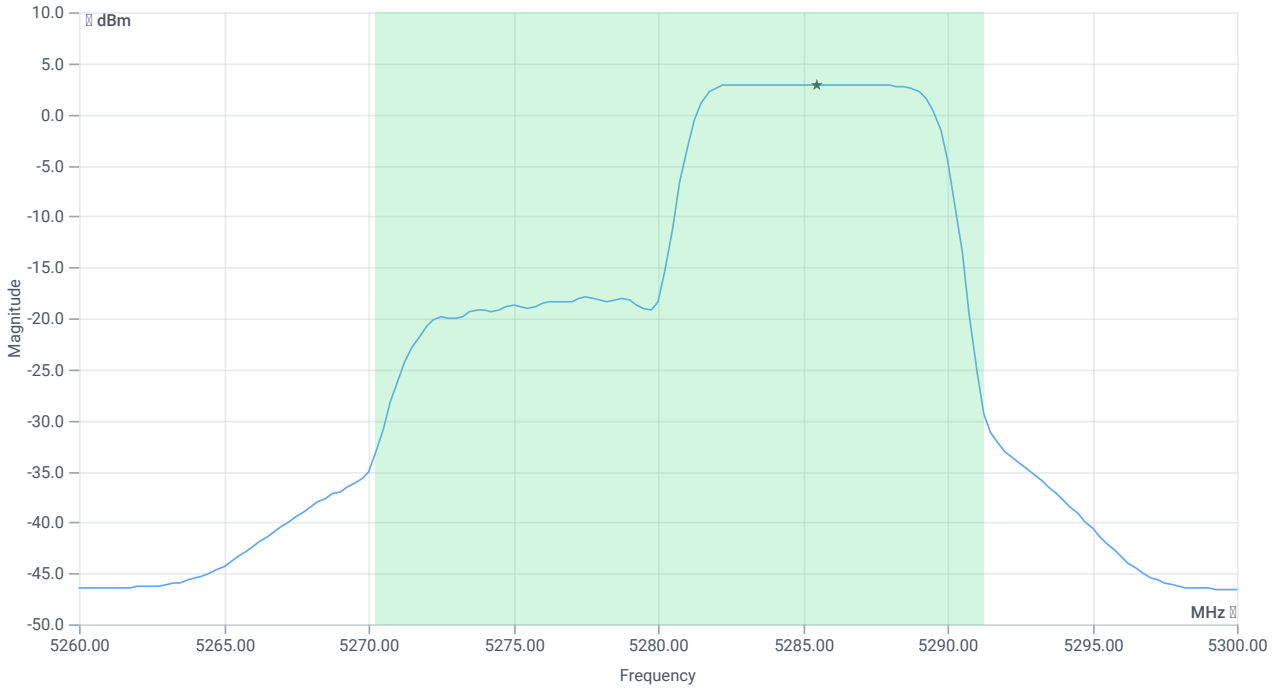
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.78 | 10.84 | 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	---	---	11.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.78	dBm	PASS
LIMIT: 11 dBm + 10 log 21					
Max output power DC corrected cond	---	24.22	11.78	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.78	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	---	---	2.94	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.94	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

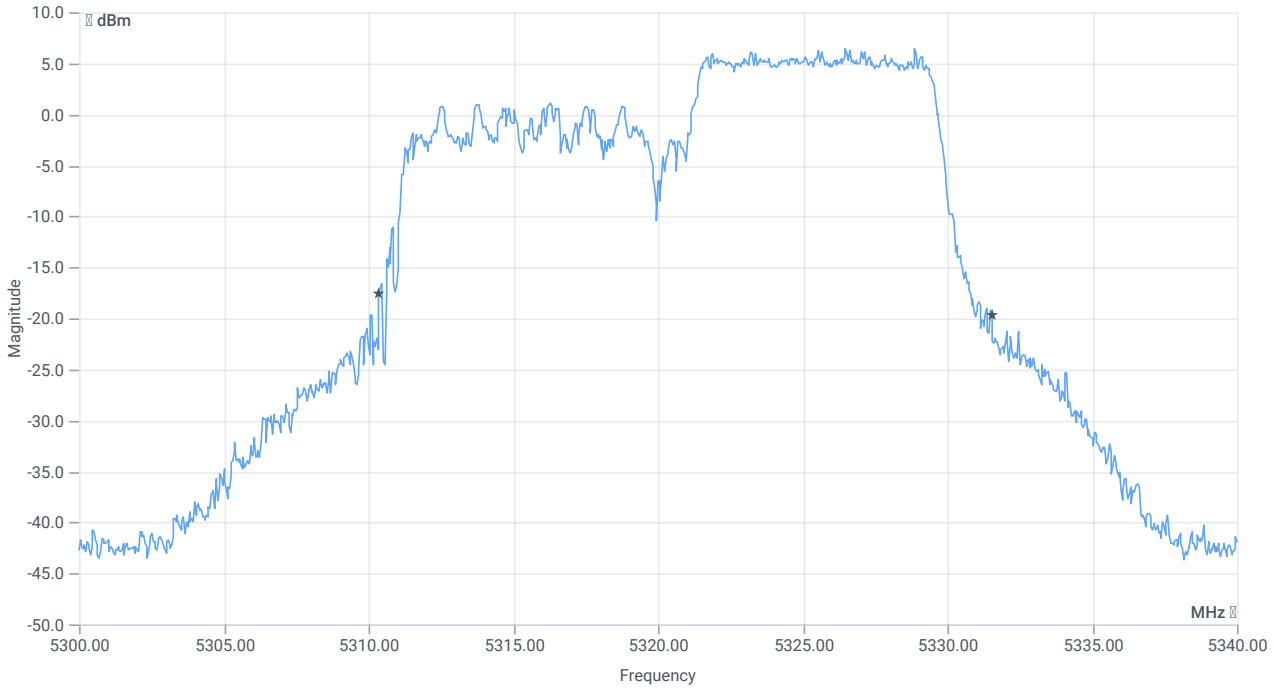
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.35	dBm	INFO
Ref. frequency	---	---	5325.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.16	MHz	INFO
T1 26dB	---	---	5310.3600	MHz	INFO
T2 26dB	---	---	5331.5200	MHz	INFO

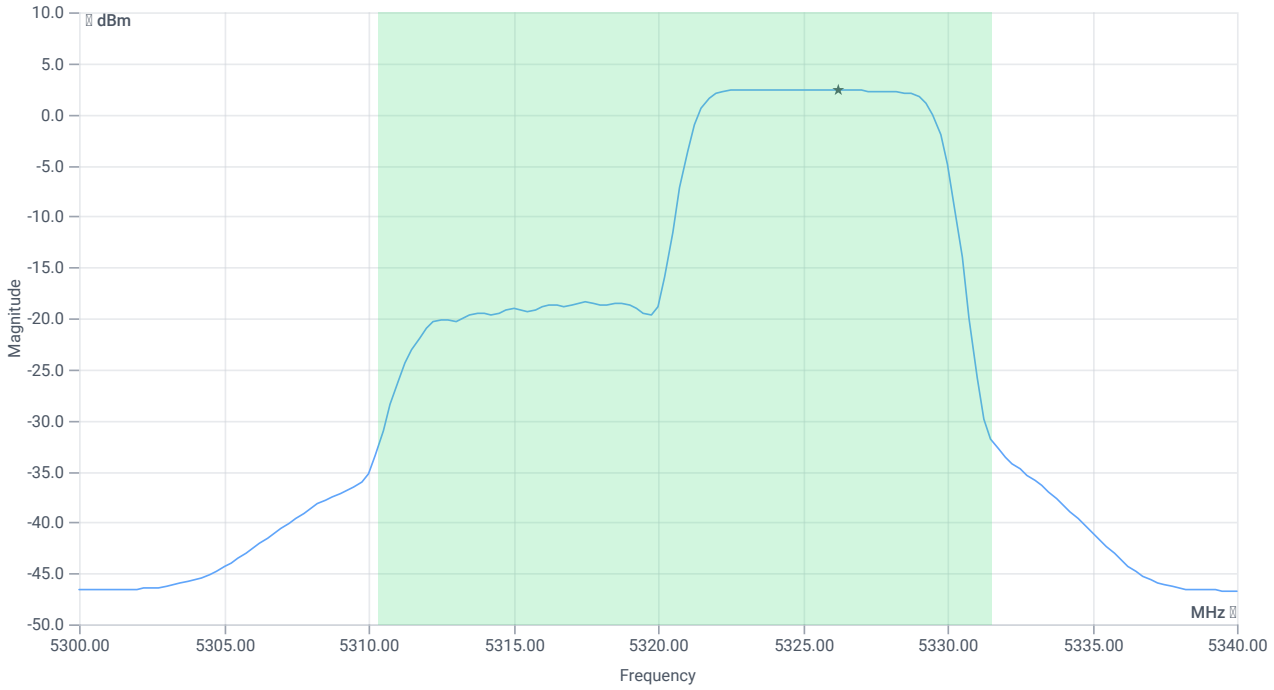
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.35 | 10.76 | 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	---	---	11.24	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.24	dBm	PASS
LIMIT: 11 dBm + 10 log 21.16					
Max output power DC corrected cond	---	24.26	11.24	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.24	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	---	---	2.4	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.4	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 13:35:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

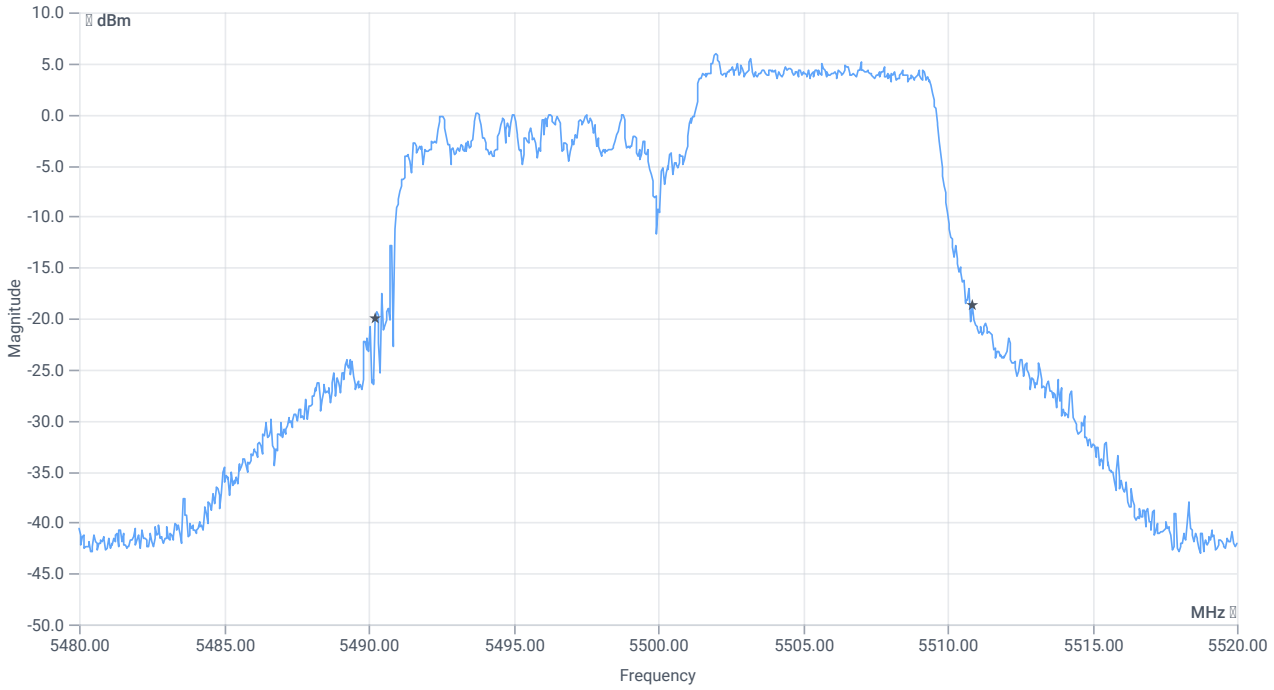
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.63	dBm	INFO
Ref. frequency	---	---	5505.990	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

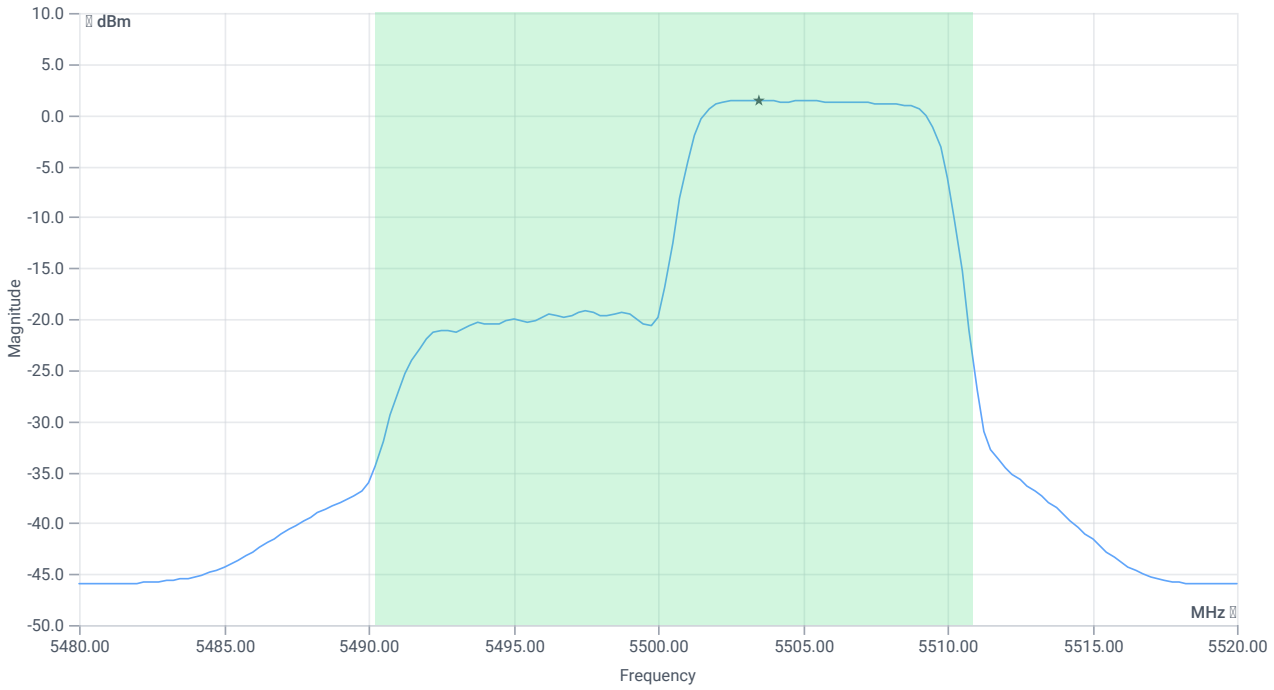
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.64	MHz	INFO
T1 26dB	---	---	5490.2400	MHz	INFO
T2 26dB	---	---	5510.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.63 | 10.87 | 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	---	---	10.18	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.18	dBm	PASS
LIMIT: 11 dBm + 10 log 20.64					
Max output power DC corrected cond	---	24.15	10.18	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.18	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	---	---	1.37	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.37	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

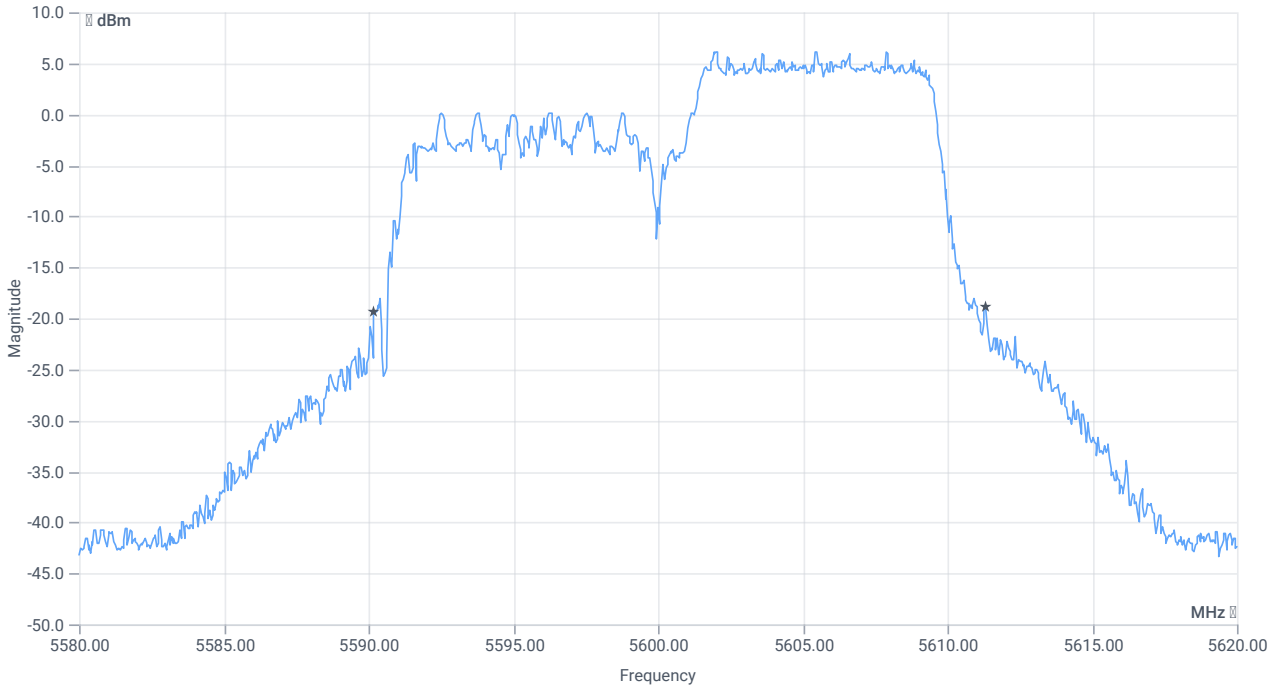
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.54	dBm	INFO
Ref. frequency	---	---	5605.790	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

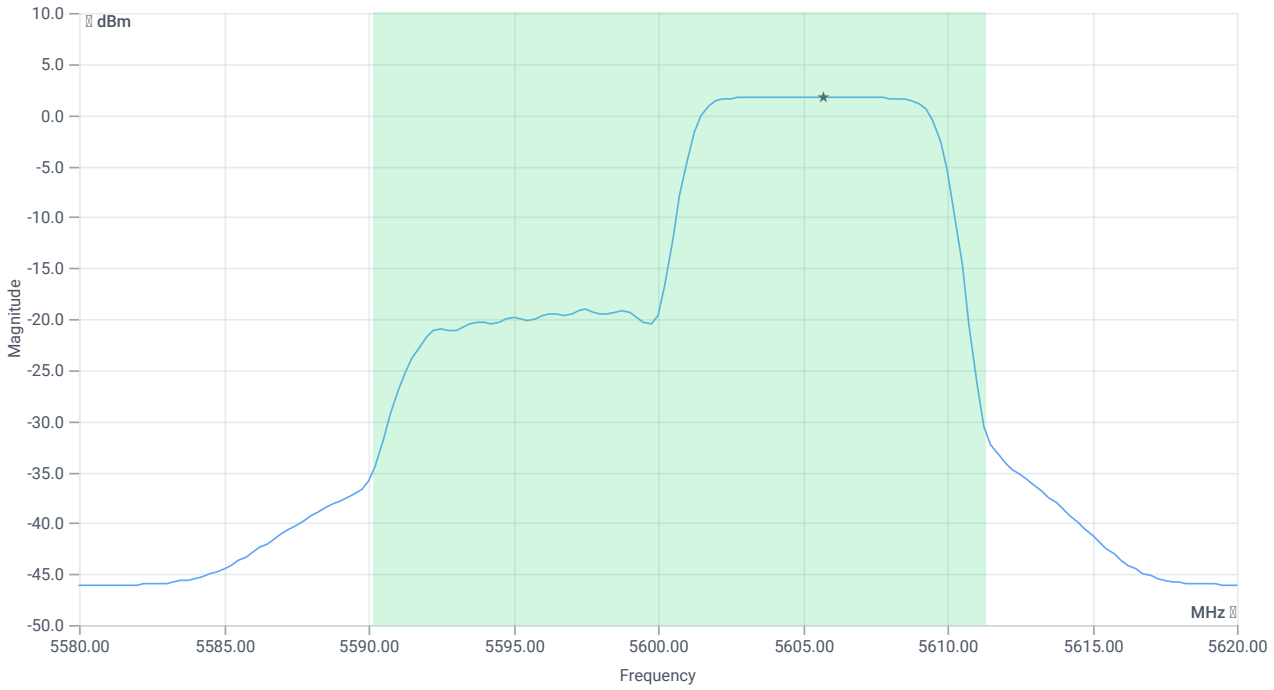
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.12	MHz	INFO
T1 26dB	---	---	5590.2000	MHz	INFO
T2 26dB	---	---	5611.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.54 | 11.02 | 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	---	---	10.62	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.62	dBm	PASS
LIMIT: 11 dBm + 10 log 21.12					
Max output power DC corrected cond	---	24.25	10.62	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.62	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	---	---	1.8	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.8	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

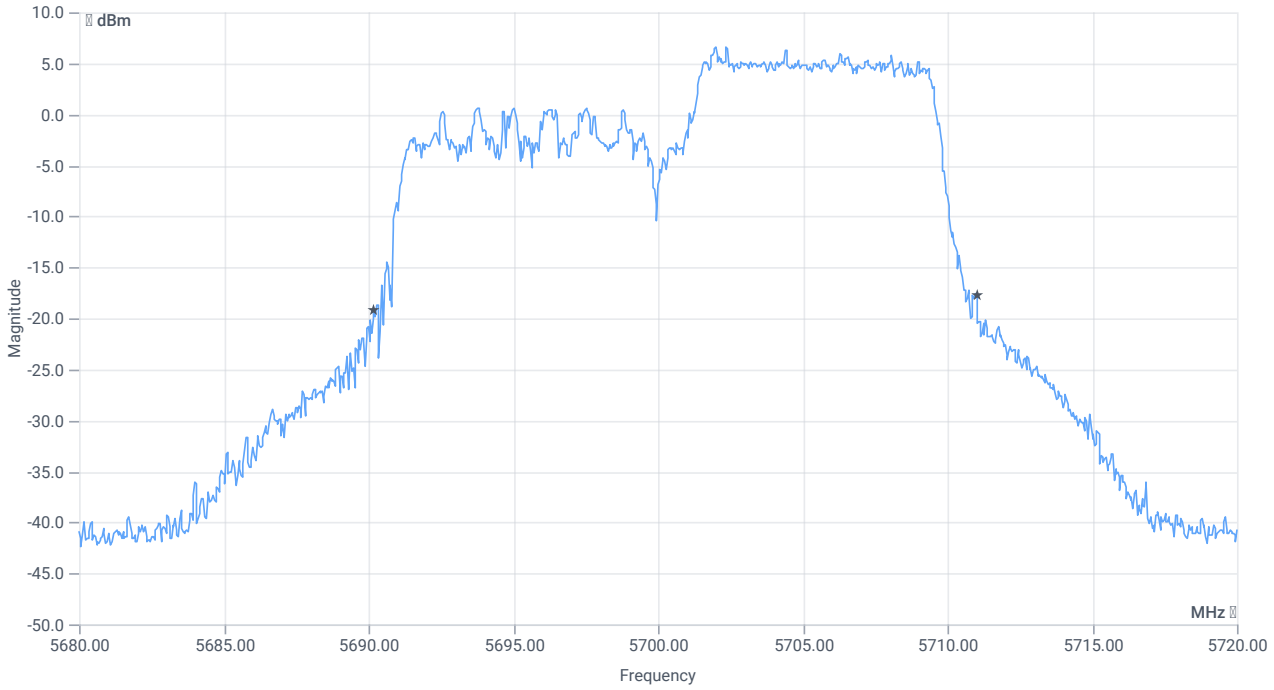
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.46	dBm	INFO
Ref. frequency	---	---	5704.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

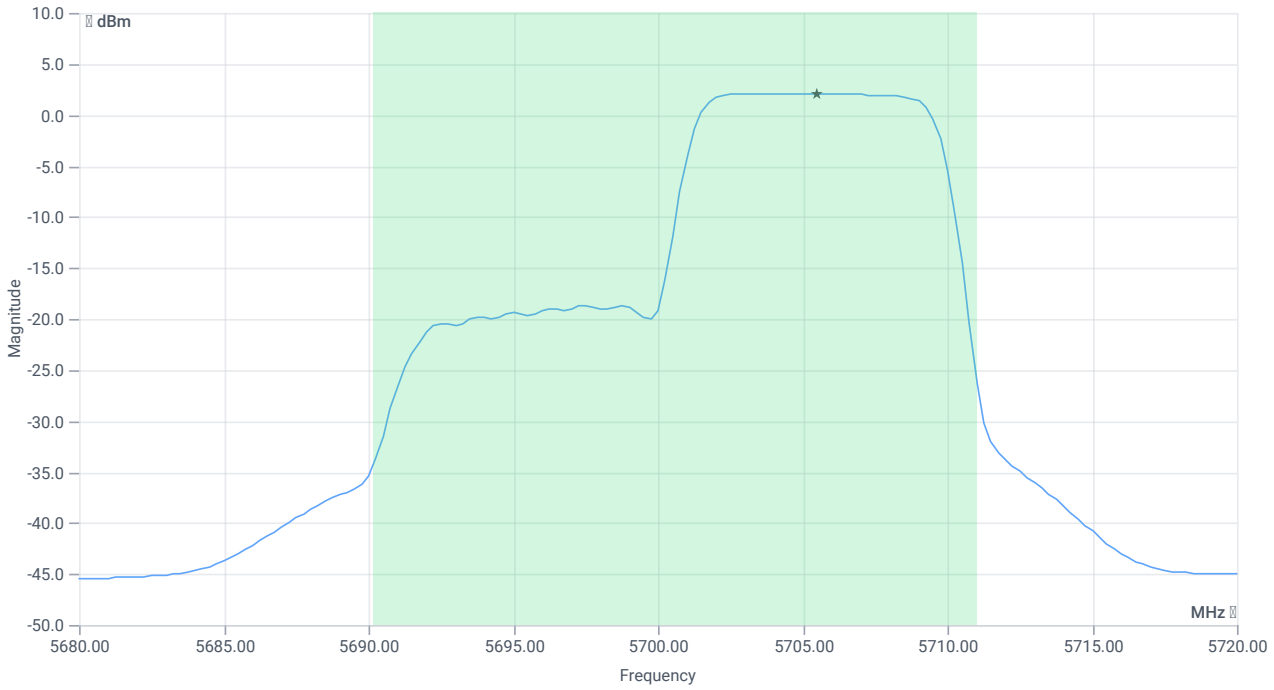
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO
T1 26dB	---	---	5690.2000	MHz	INFO
T2 26dB	---	---	5711.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.46 | 11.16 | 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	---	---	10.91	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.91	dBm	PASS
LIMIT: 11 dBm + 10 log 20.8					
Max output power DC corrected cond	---	24.18	10.91	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.91	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	---	---	2.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.09	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 13:41:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

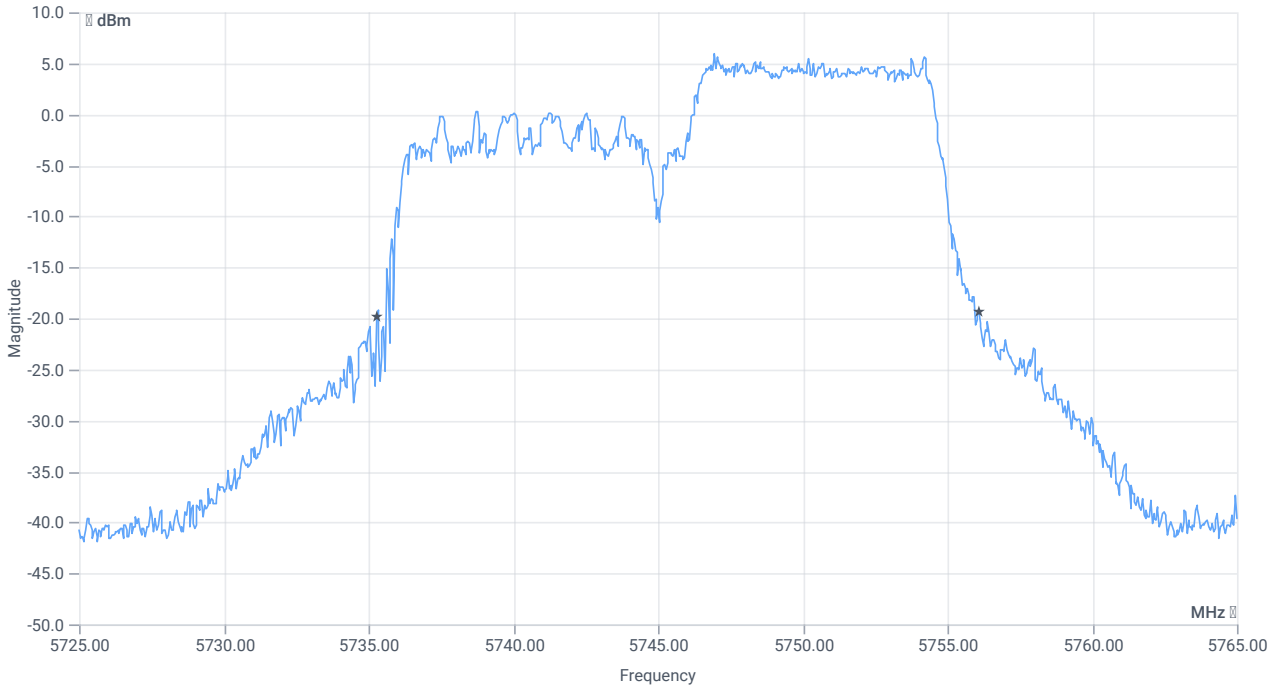
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.72	dBm	INFO
Ref. frequency	---	---	5752.390	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

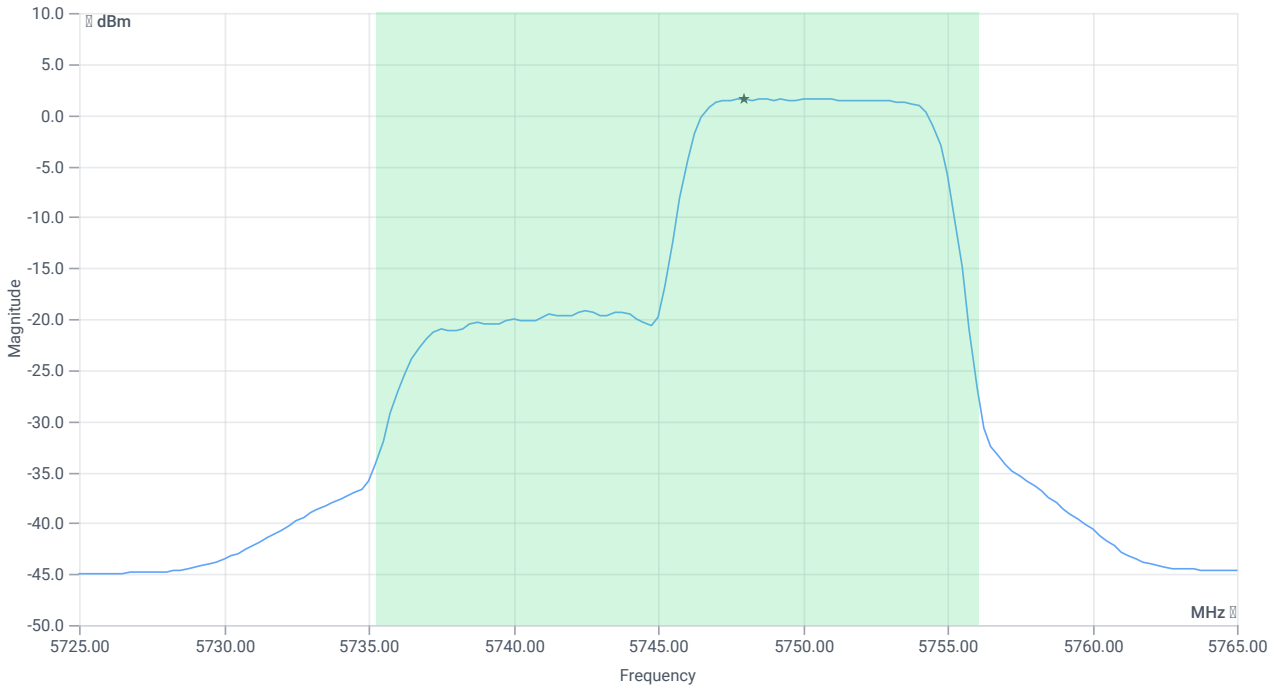
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO
T1 26dB	---	---	5735.2800	MHz	INFO
T2 26dB	---	---	5756.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.72 | 11.14 | 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	---	---	10.36	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.36	dBm	PASS
LIMIT: 11 dBm + 10 log 20.8					
Max output power DC corrected cond	---	24.18	10.36	dBm	na

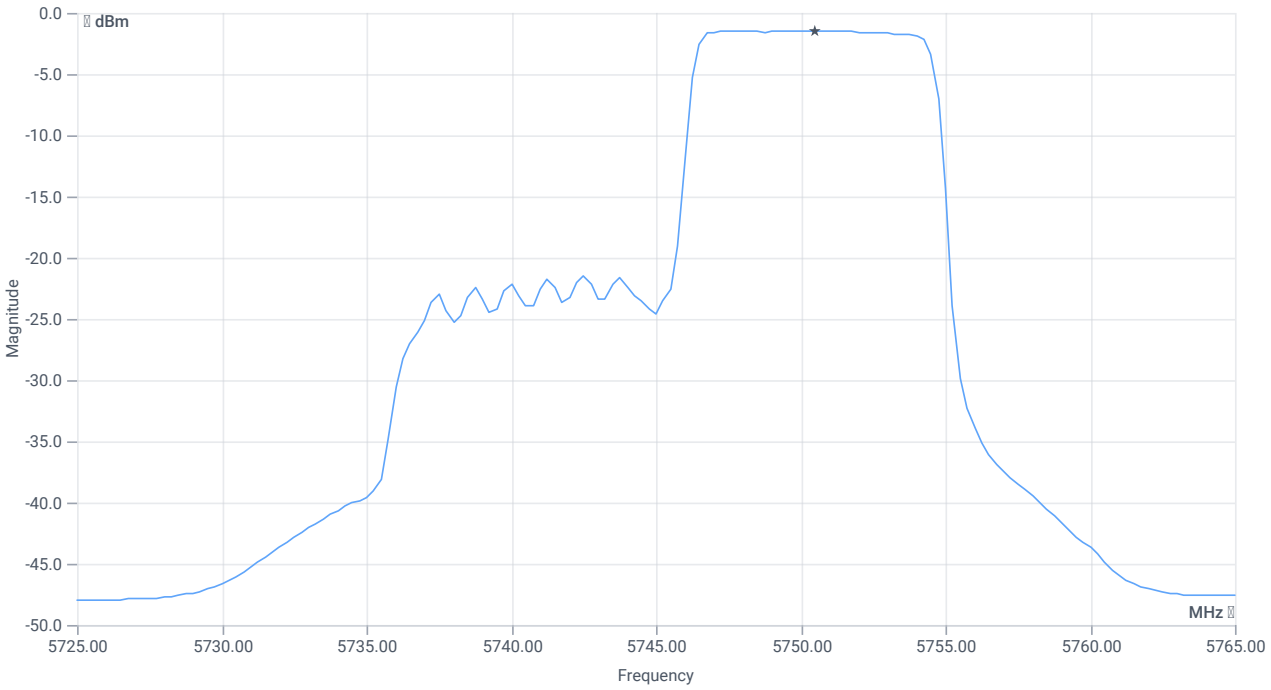
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.72 | 11.14 | 30

READ SA SETTINGS:

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	---	---	-1.47	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.47	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

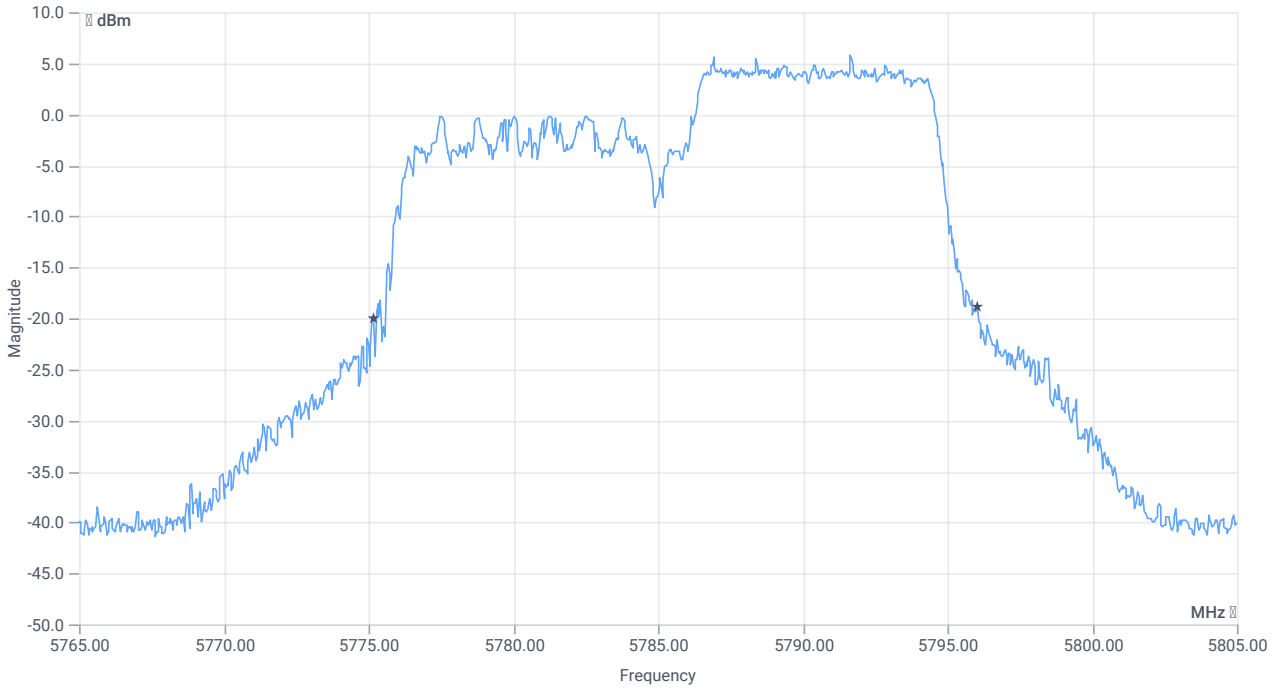
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.14	dBm	INFO
Ref. frequency	---	---	5790.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

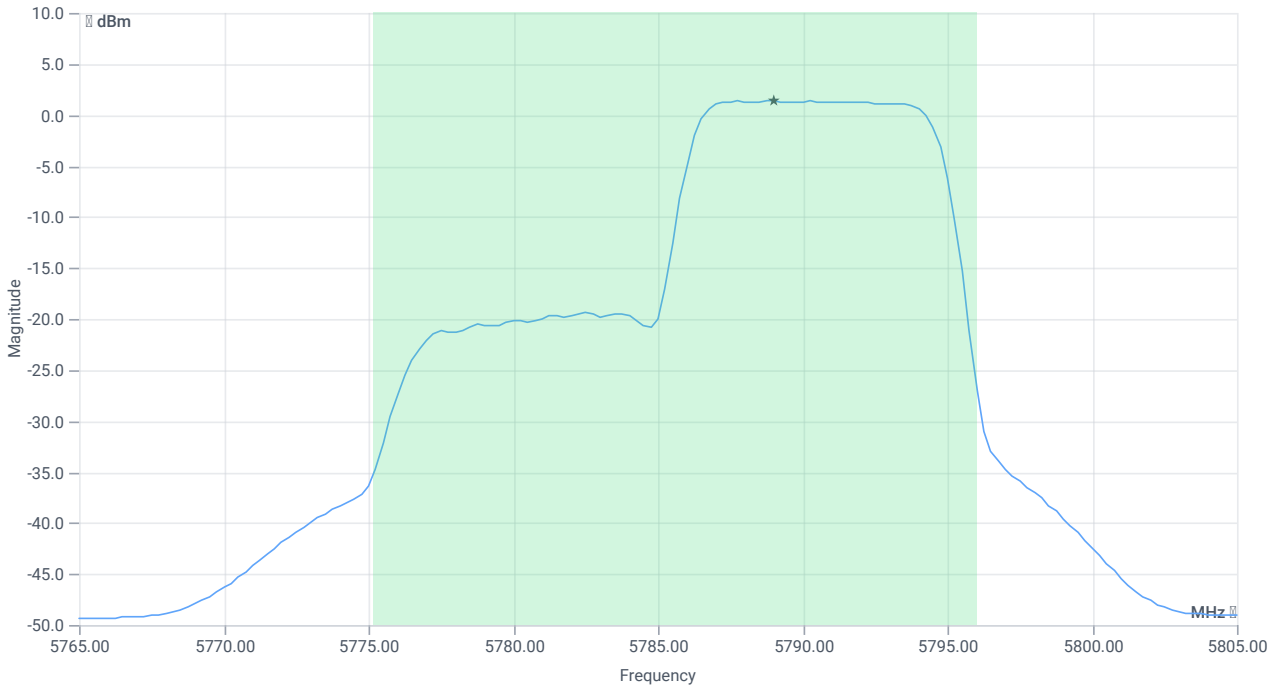
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.88	MHz	INFO
T1 26dB	---	---	5775.1600	MHz	INFO
T2 26dB	---	---	5796.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.14 | 11.31 | 25
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	---	---	10.17	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.17	dBm	PASS
LIMIT: 11 dBm + 10 log 20.88					
Max output power DC corrected cond	---	24.2	10.17	dBm	na

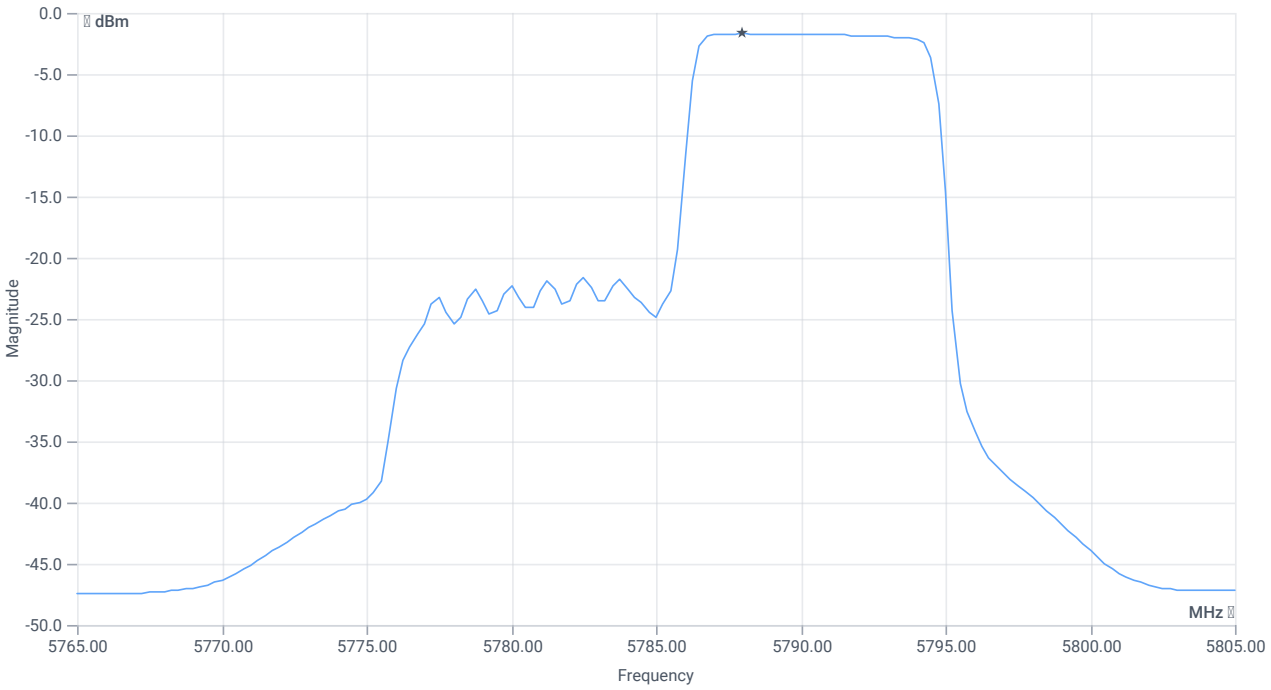
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.14 | 11.31 | 30

READ SA SETTINGS:

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	---	---	-1.68	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.68	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

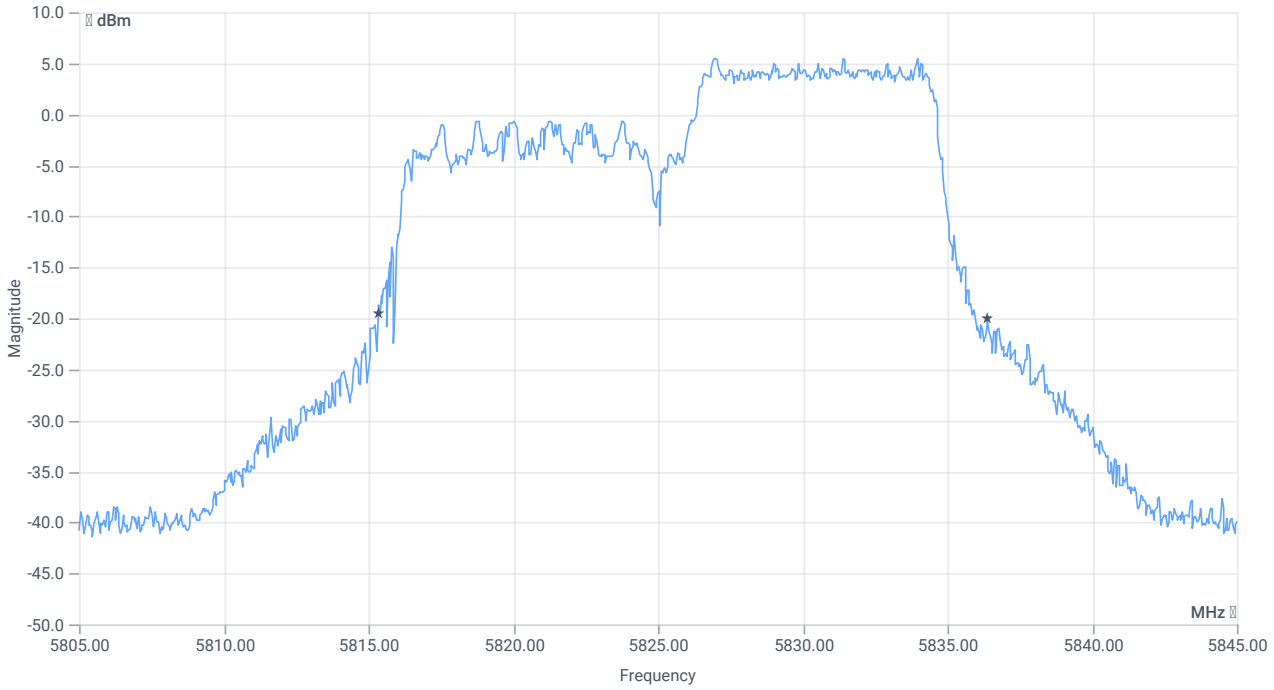
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.61	dBm	INFO
Ref. frequency	---	---	5832.190	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

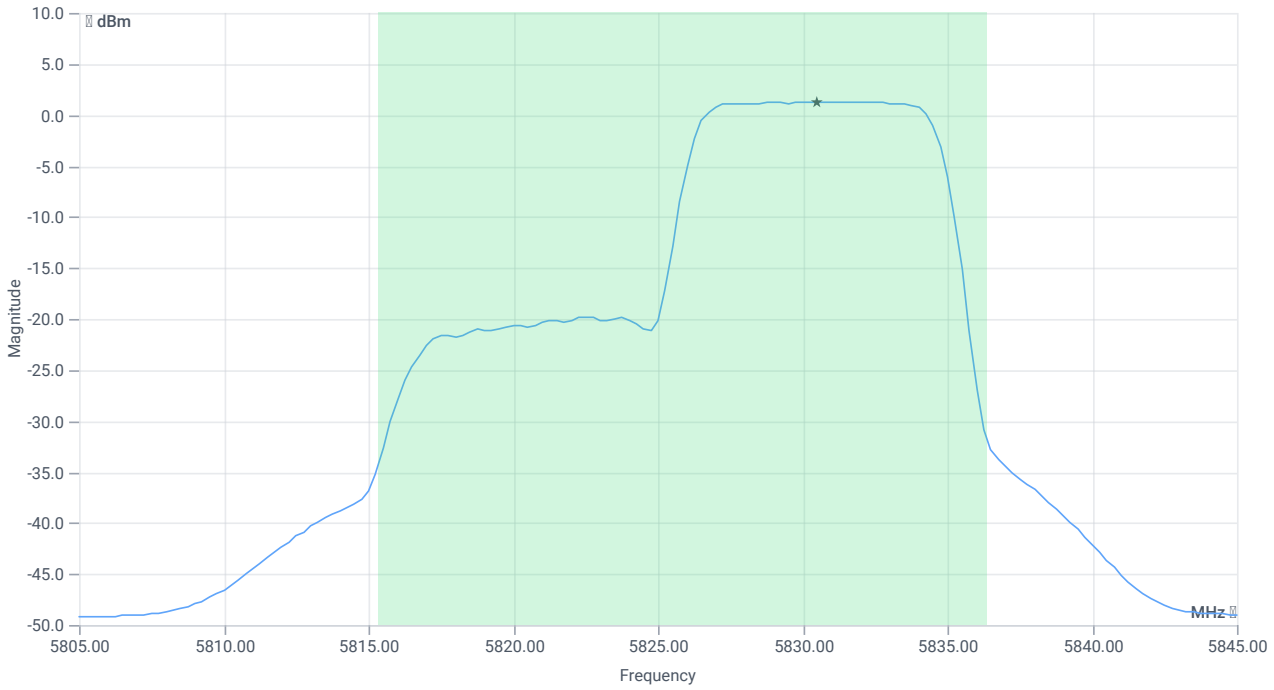
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.08	MHz	INFO
T1 26dB	---	---	5815.3200	MHz	INFO
T2 26dB	---	---	5836.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.61 | 11.29 | 25
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	---	---	10.09	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.09	dBm	PASS
LIMIT: 11 dBm + 10 log 21.08					
Max output power DC corrected cond	---	24.24	10.09	dBm	na

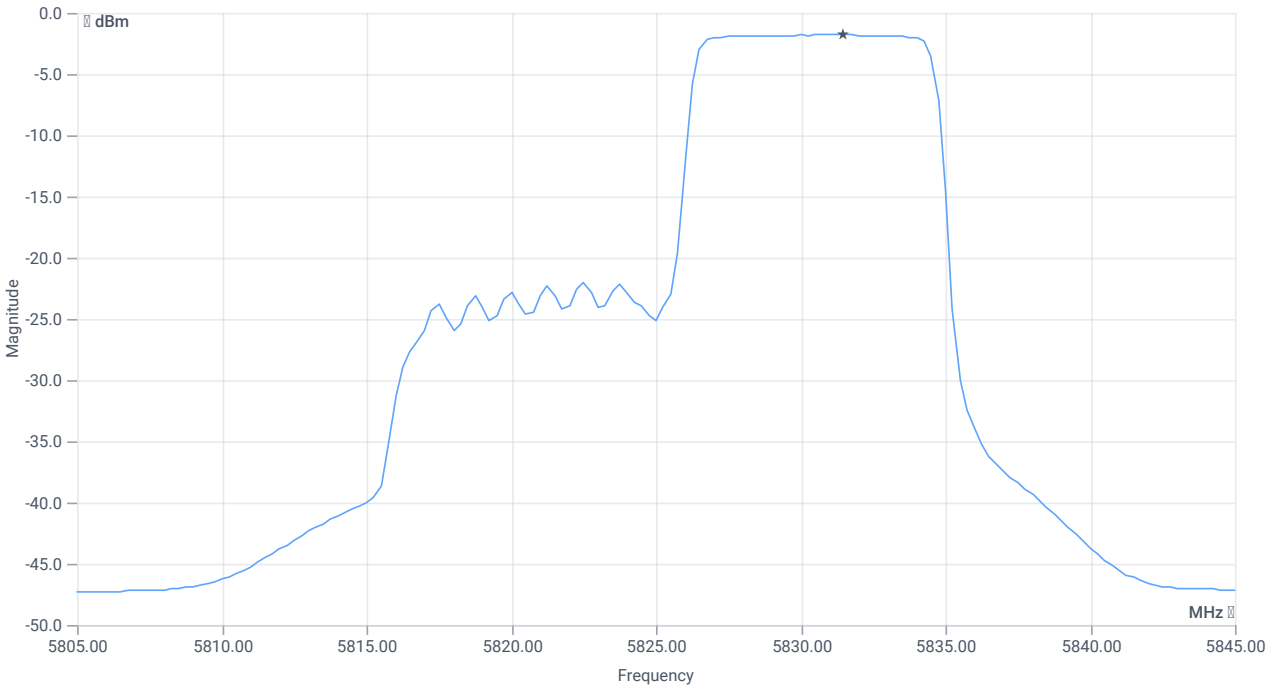
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.61 | 11.29 | 30

READ SA SETTINGS:

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	---	---	-1.73	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.73	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.01.2026 12:50:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

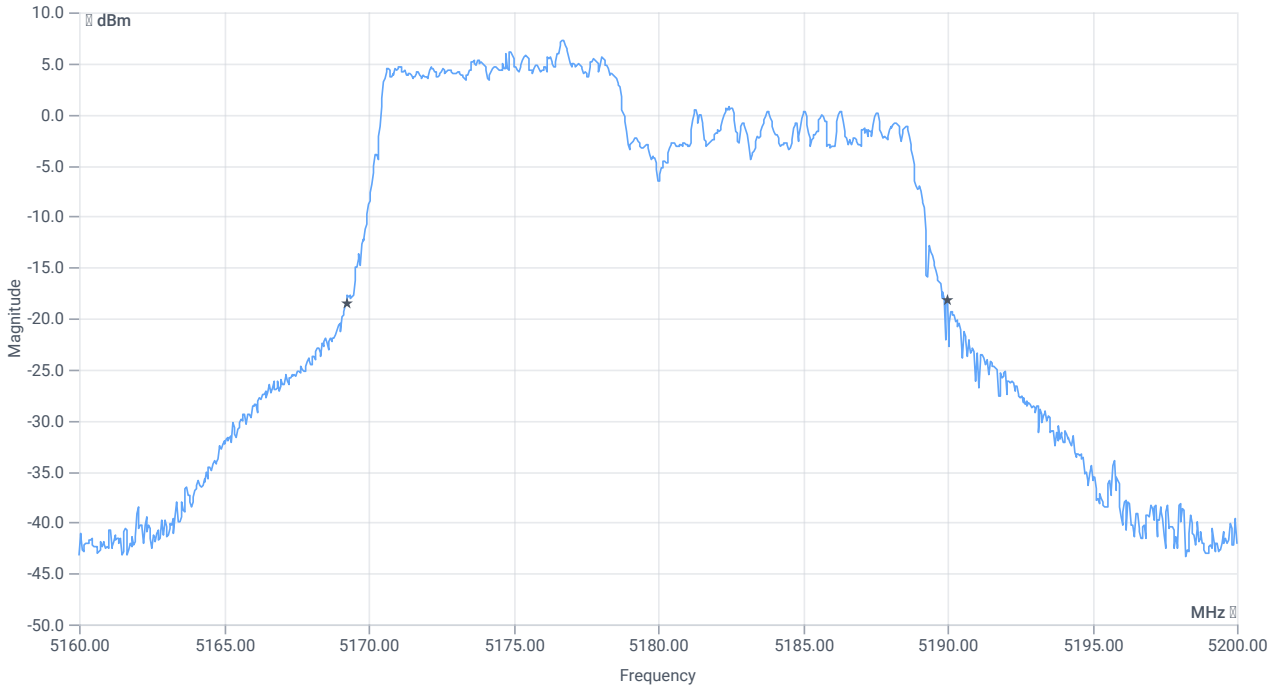
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.07	dBm	INFO
Ref. frequency	---	---	5177.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

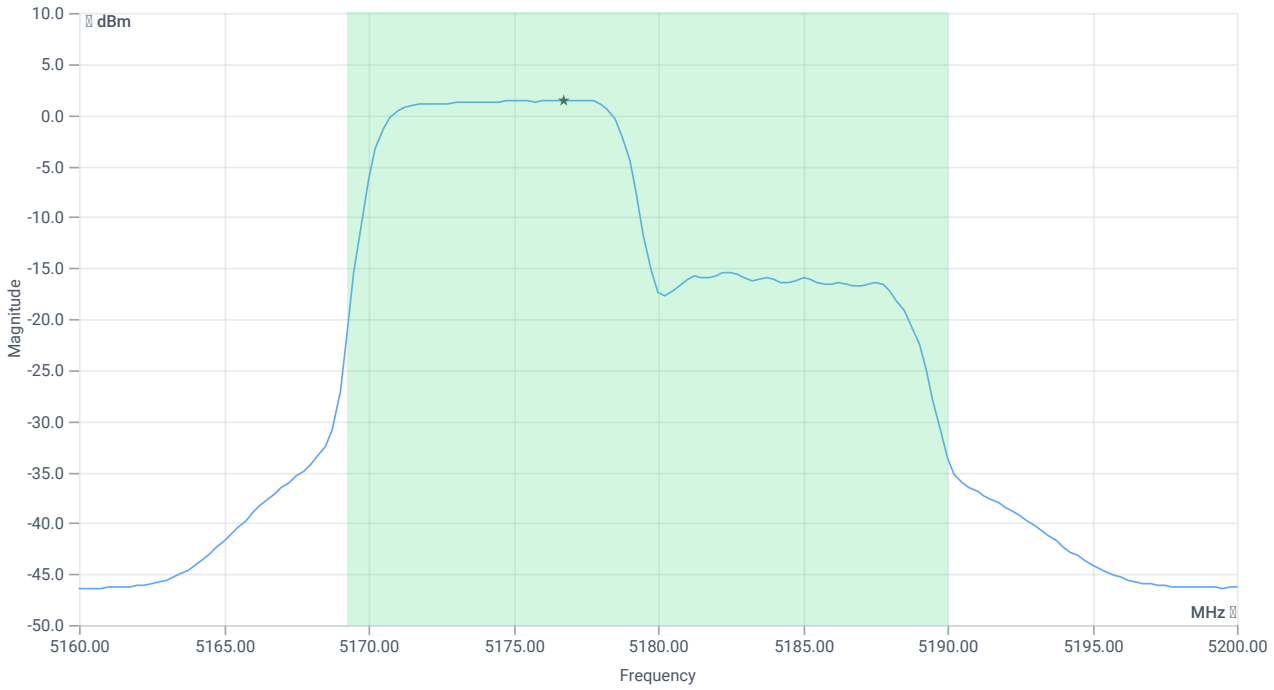
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.76	MHz	INFO
T1 26dB	---	---	5169.2400	MHz	INFO
T2 26dB	---	---	5190.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.07 | 10.89 | 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	---	---	10.22	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.22	dBm	PASS
LIMIT: 11 dBm + 10 log 20.76					
Max output power DC corrected cond	---	24.17	10.22	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.41	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.41	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

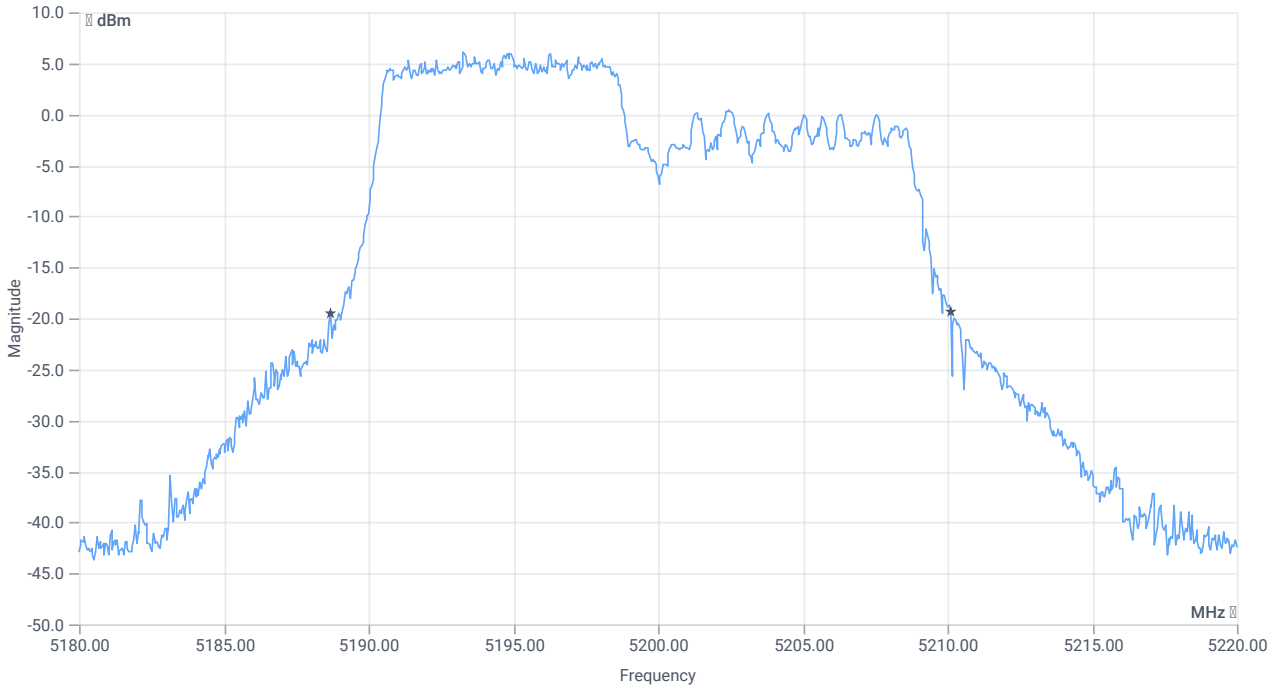
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.11	dBm	INFO
Ref. frequency	---	---	5197.800	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

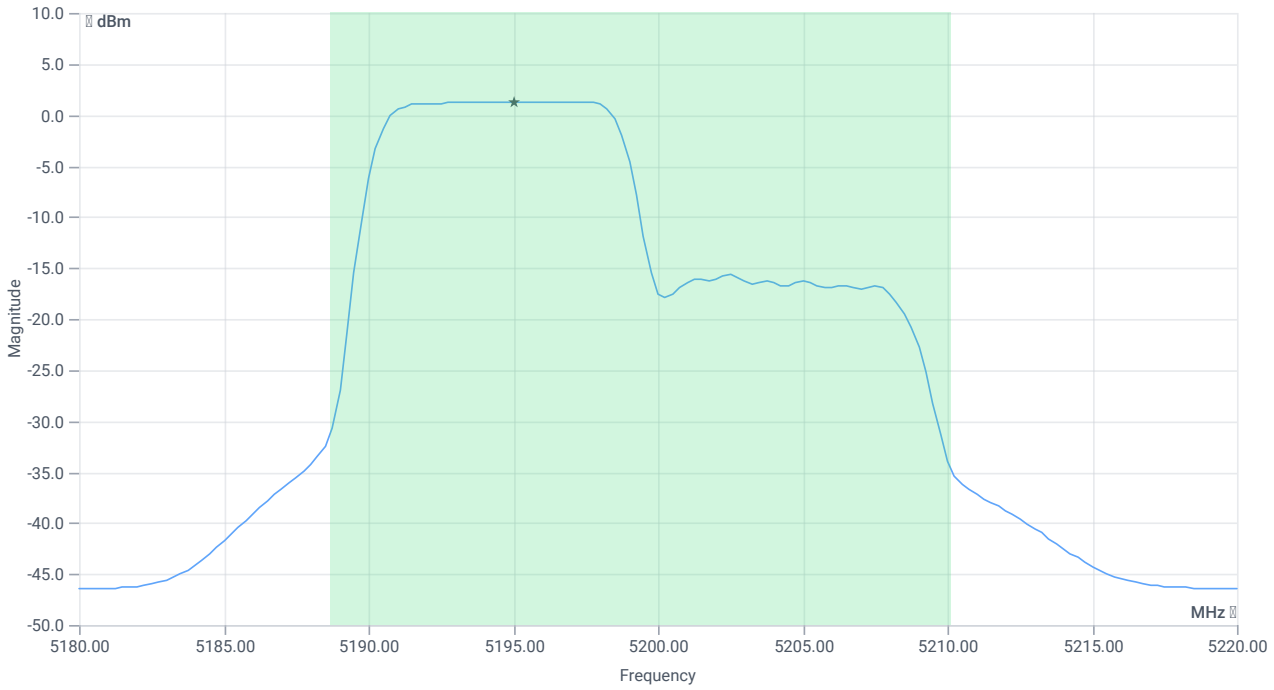
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.44	MHz	INFO
T1 26dB	---	---	5188.6800	MHz	INFO
T2 26dB	---	---	5210.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.11 | 10.85 | 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	---	---	10.18	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.18	dBm	PASS
LIMIT: 11 dBm + 10 log 21.44					
Max output power DC corrected cond	---	24.31	10.18	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	1.3	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.3	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

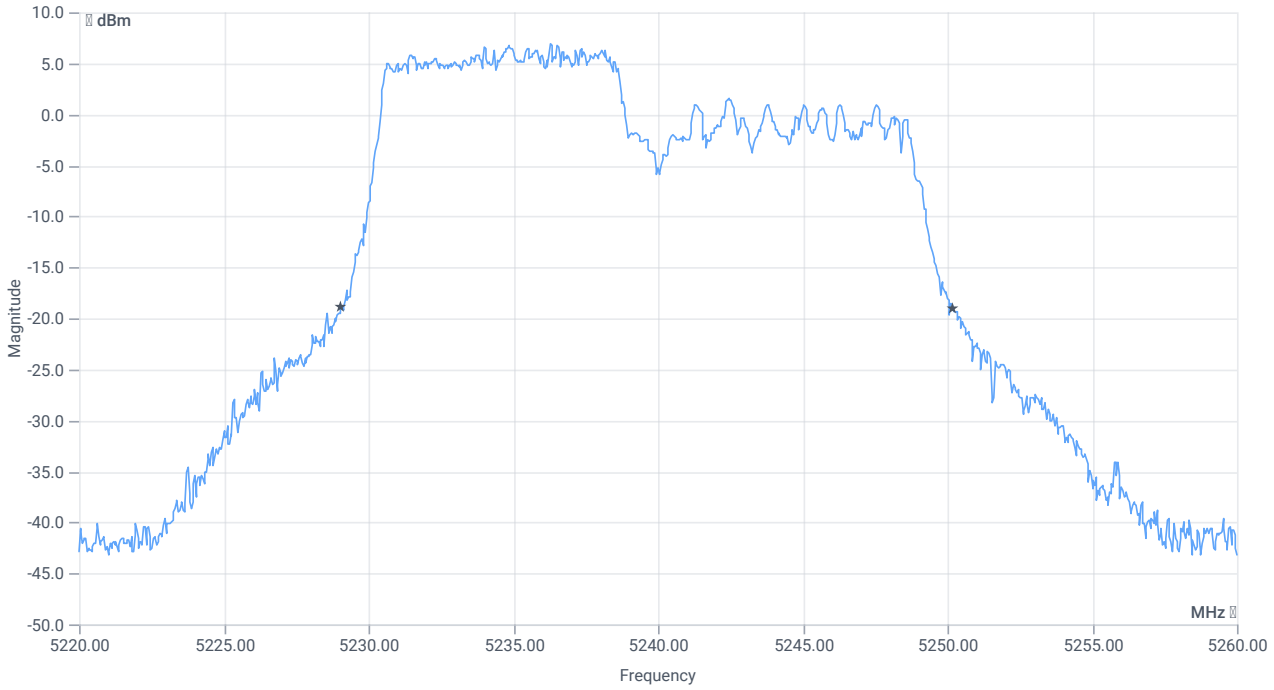
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.50	dBm	INFO
Ref. frequency	---	---	5237.200	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

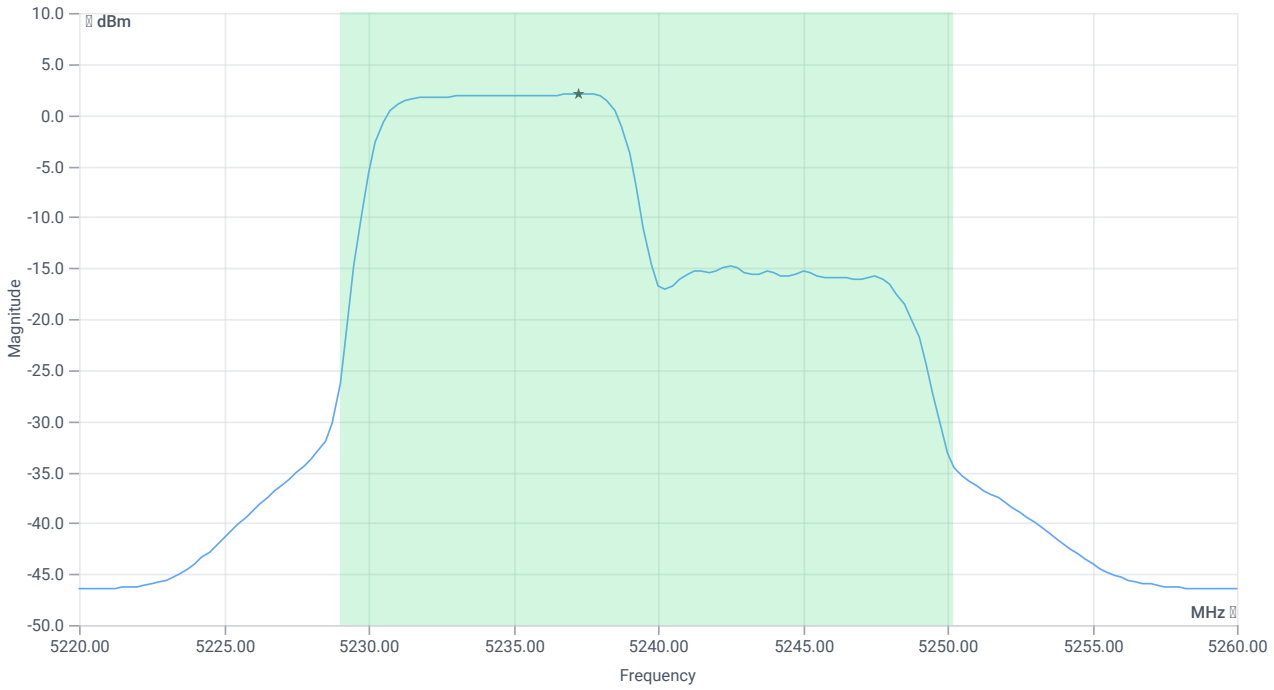
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.16	MHz	INFO
T1 26dB	---	---	5229.0400	MHz	INFO
T2 26dB	---	---	5250.2000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.50 | 10.86 | 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	---	---	10.86	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.86	dBm	PASS
LIMIT: 11 dBm + 10 log 21.16					
Max output power DC corrected cond	---	24.26	10.86	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.05	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.05	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 12:58:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

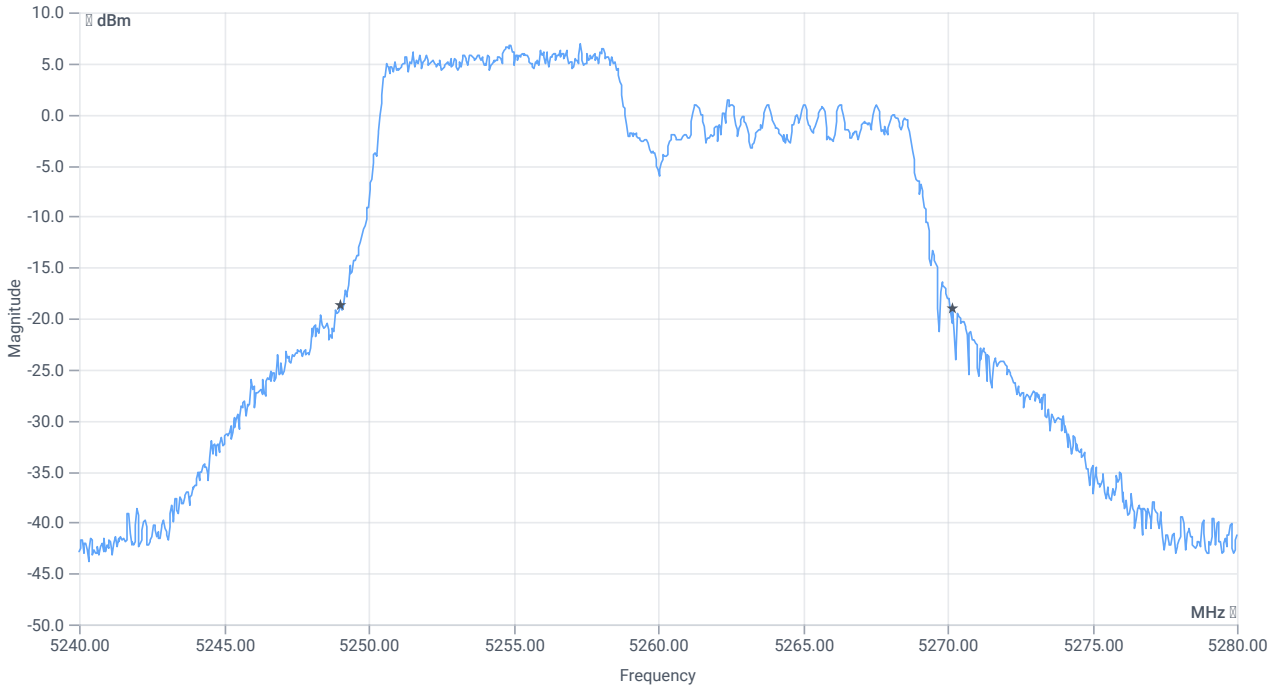
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.45	dBm	INFO
Ref. frequency	---	---	5255.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.2	MHz	INFO
T1 26dB	---	---	5249.0000	MHz	INFO
T2 26dB	---	---	5270.2000	MHz	INFO

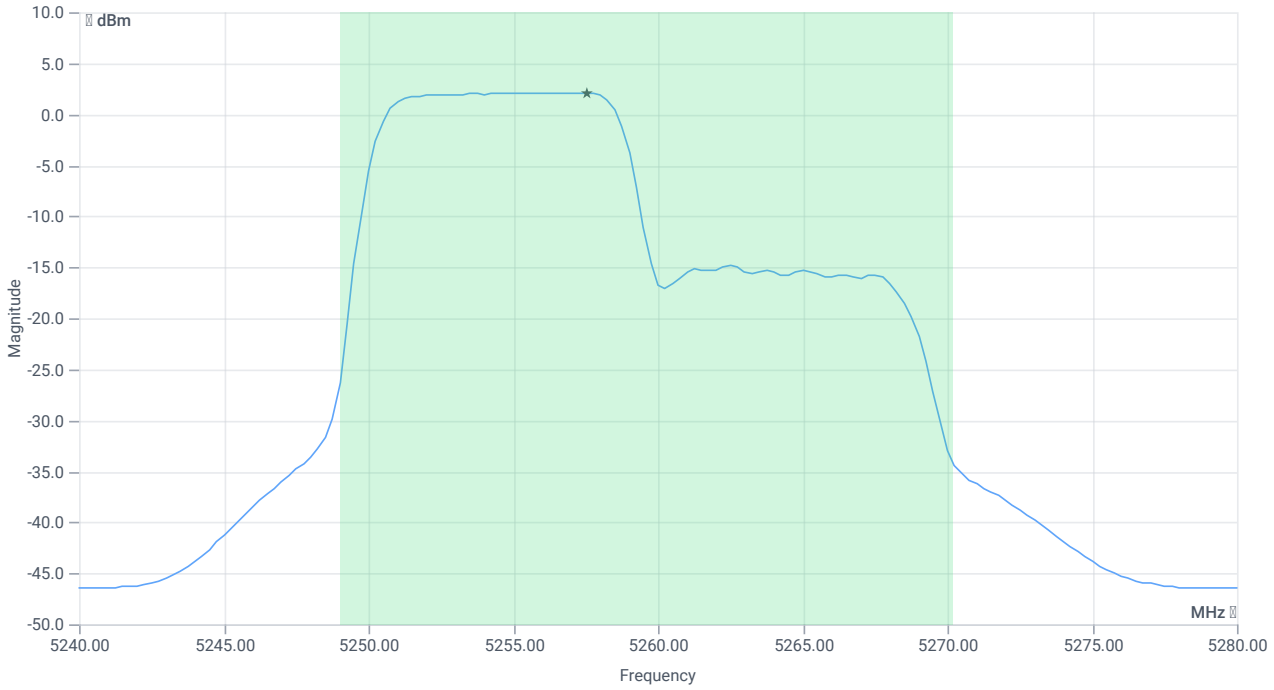
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.45 | 10.85 | 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	---	---	10.92	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.92	dBm	PASS
LIMIT: 11 dBm + 10 log 21.2					
Max output power DC corrected cond	---	24.26	10.92	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.92	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	---	---	2.05	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.05	dBm/1MHz	PASS

Test at TX 5280 MHz

RESULT: Reference power cond.

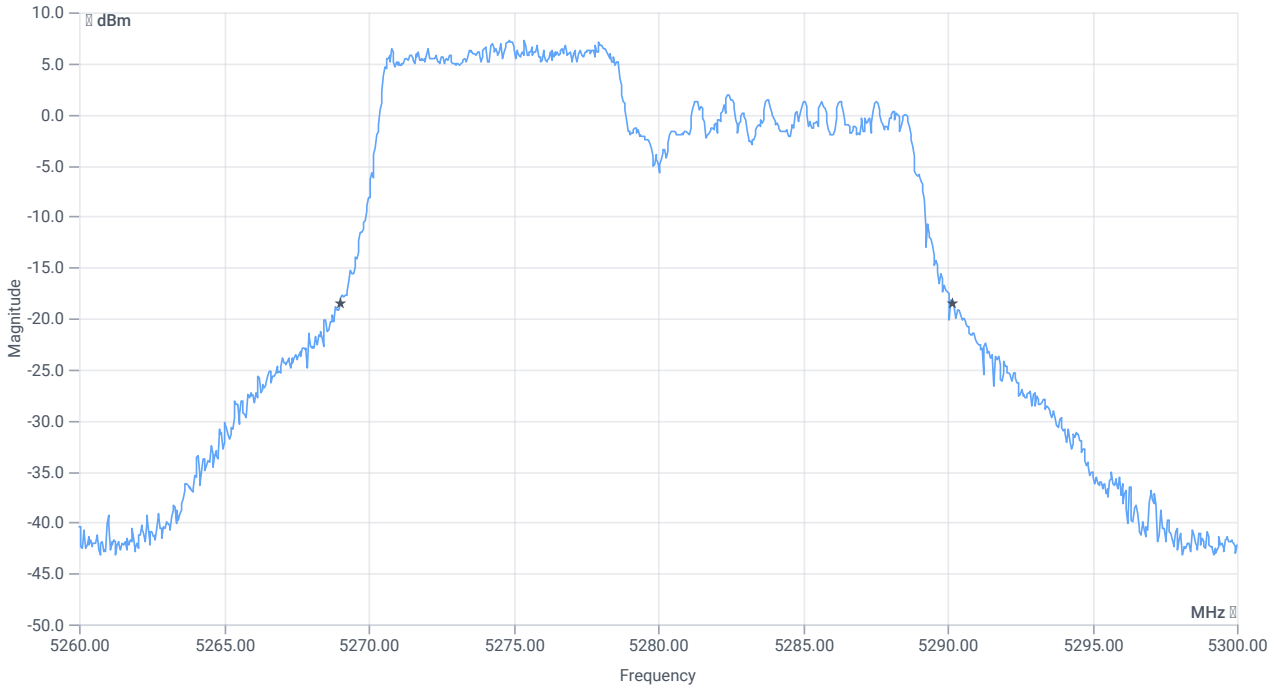
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.24	dBm	INFO
Ref. frequency	---	---	5275.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.2	MHz	INFO
T1 26dB	---	---	5269.0000	MHz	INFO
T2 26dB	---	---	5290.2000	MHz	INFO

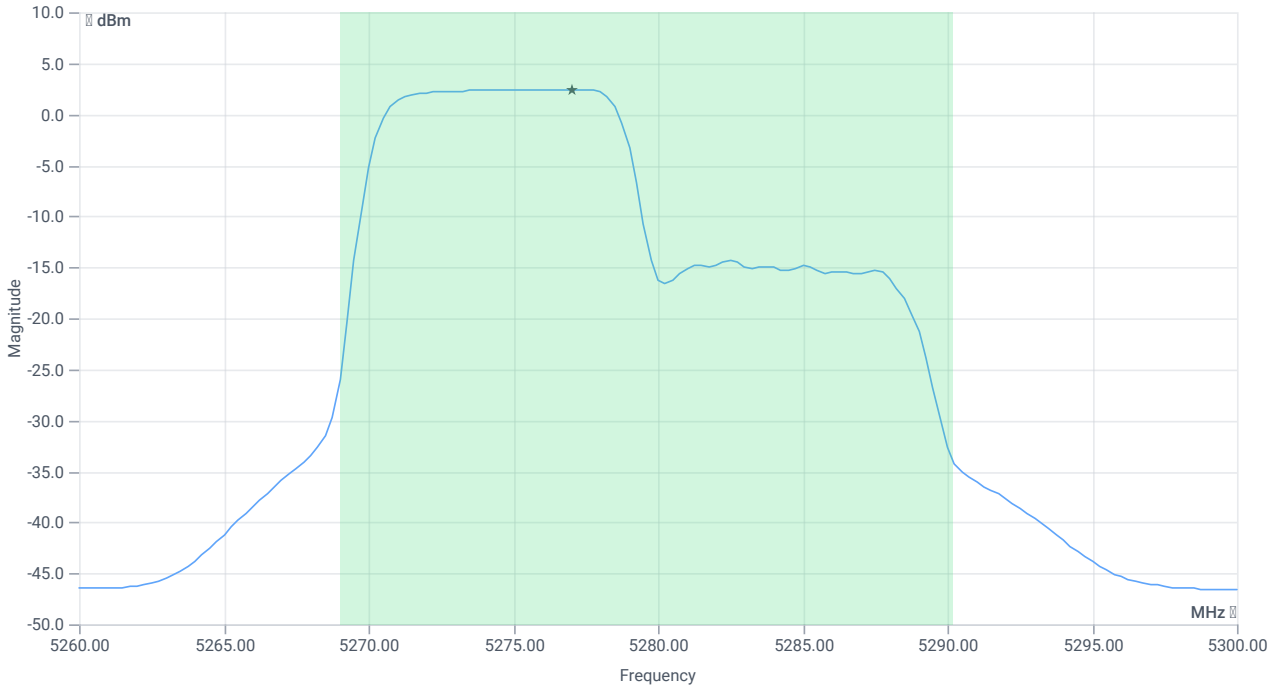
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.24 | 10.84 | 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	---	---	11.28	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.28	dBm	PASS
LIMIT: 11 dBm + 10 log 21.2					
Max output power DC corrected cond	---	24.26	11.28	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.28	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	---	---	2.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.45	dBm/1MHz	PASS

Test at TX 5320 MHz

RESULT: Reference power cond.

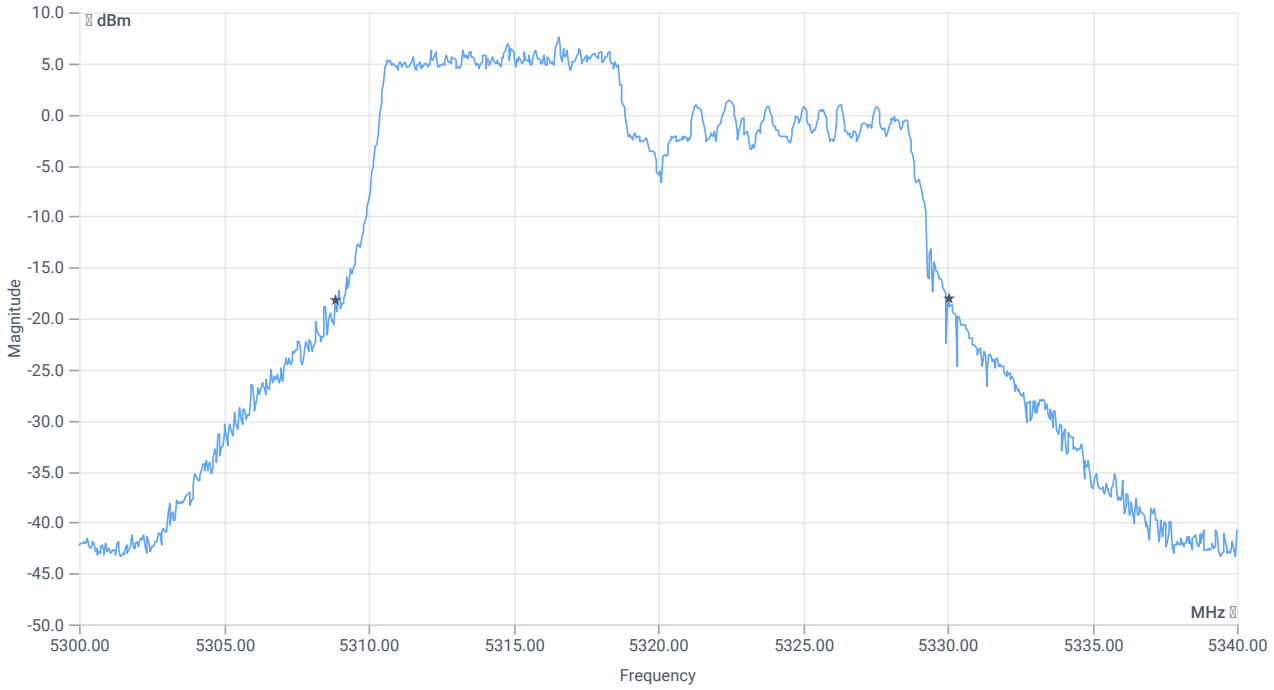
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.37	dBm	INFO
Ref. frequency	---	---	5315.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.2	MHz	INFO
T1 26dB	---	---	5308.8400	MHz	INFO
T2 26dB	---	---	5330.0400	MHz	INFO

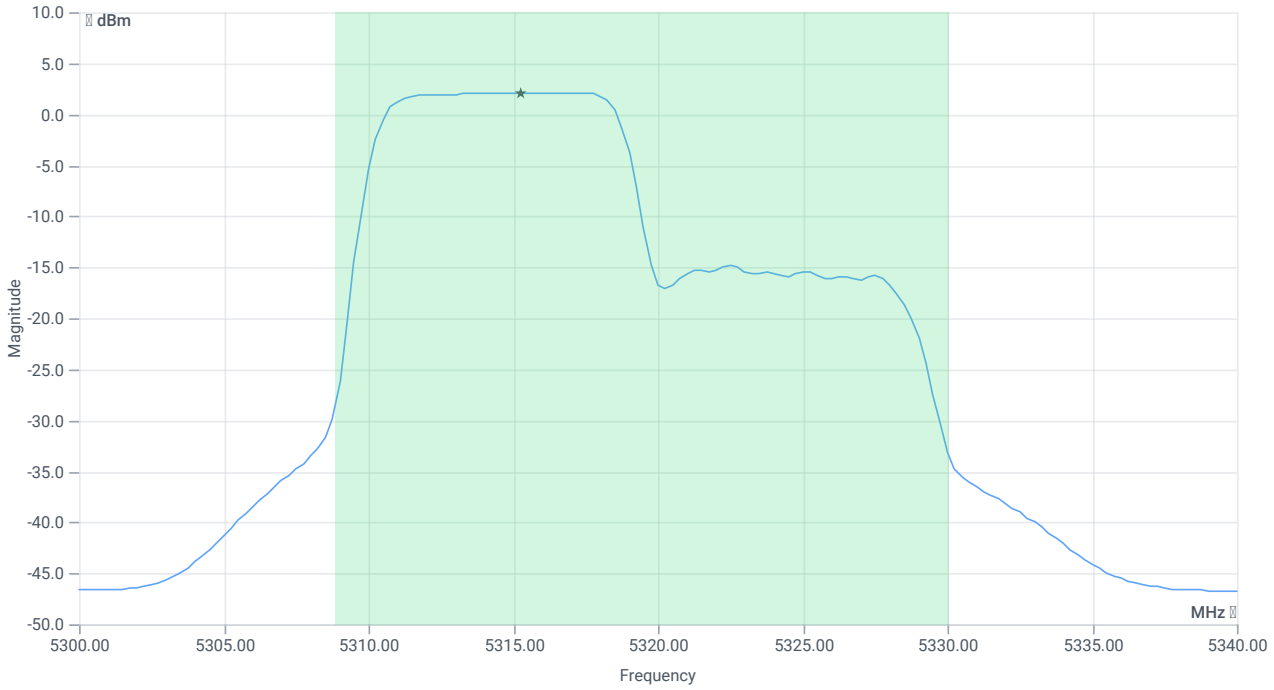
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.37 | 10.76 | 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	---	---	10.95	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.95	dBm	PASS
LIMIT: 11 dBm + 10 log 21.2					
Max output power DC corrected cond	---	24.26	10.95	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.95	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	---	---	2.06	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.06	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 13:05:38
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5500 MHz

RESULT: Reference power cond.

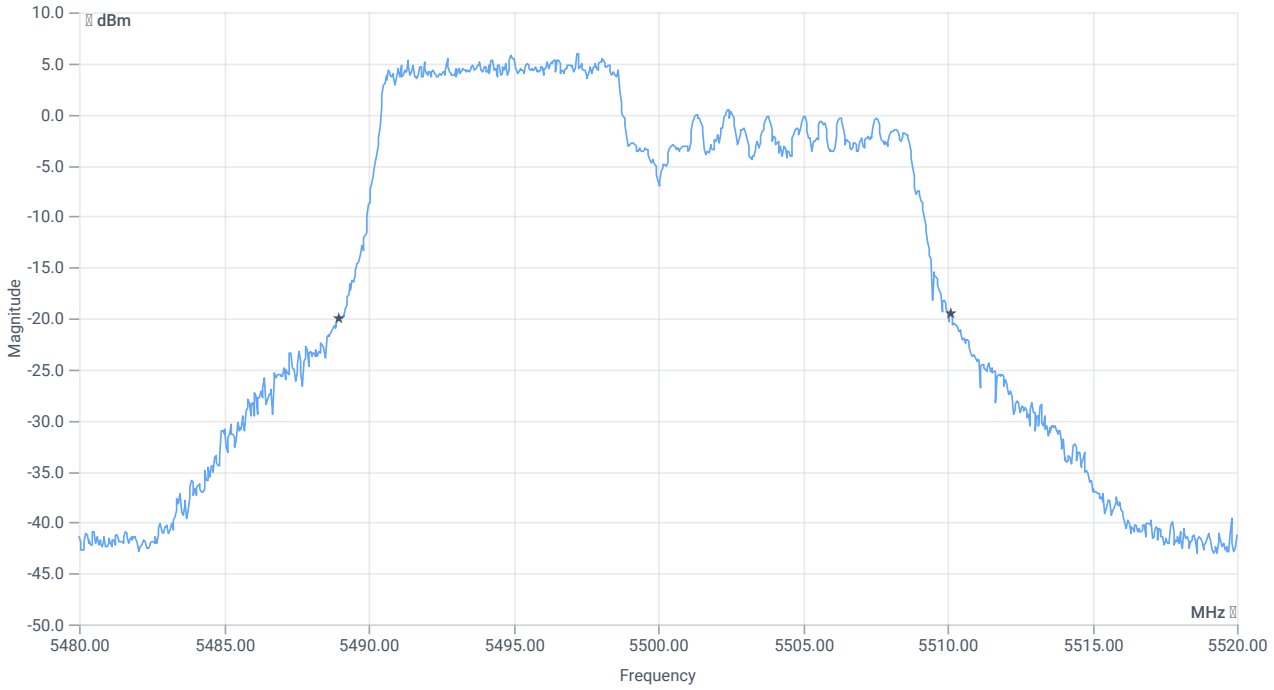
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.67	dBm	INFO
Ref. frequency	---	---	5494.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

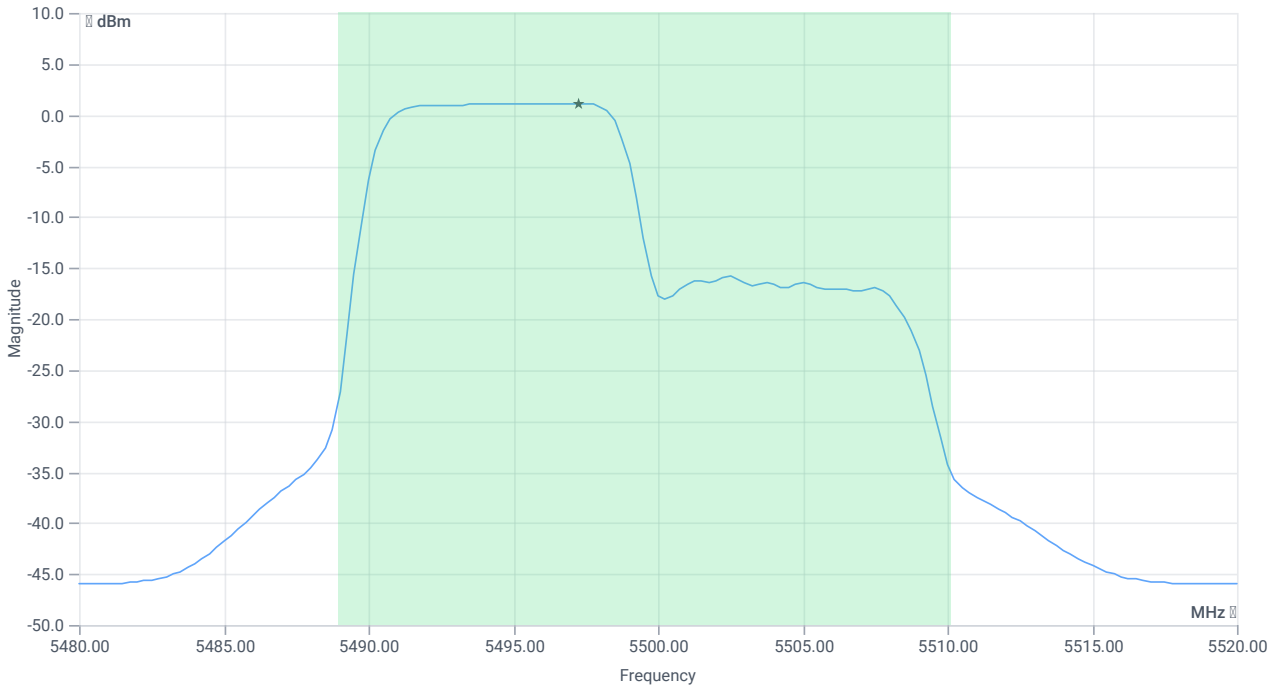
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.16	MHz	INFO
T1 26dB	---	---	5488.9600	MHz	INFO
T2 26dB	---	---	5510.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.67 | 10.87 | 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	---	---	9.97	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.97	dBm	PASS
LIMIT: 11 dBm + 10 log 21.16					
Max output power DC corrected cond	---	24.26	9.97	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.97	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	---	---	1.11	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.11	dBm/1MHz	PASS

Test at TX 5600 MHz

RESULT: Reference power cond.

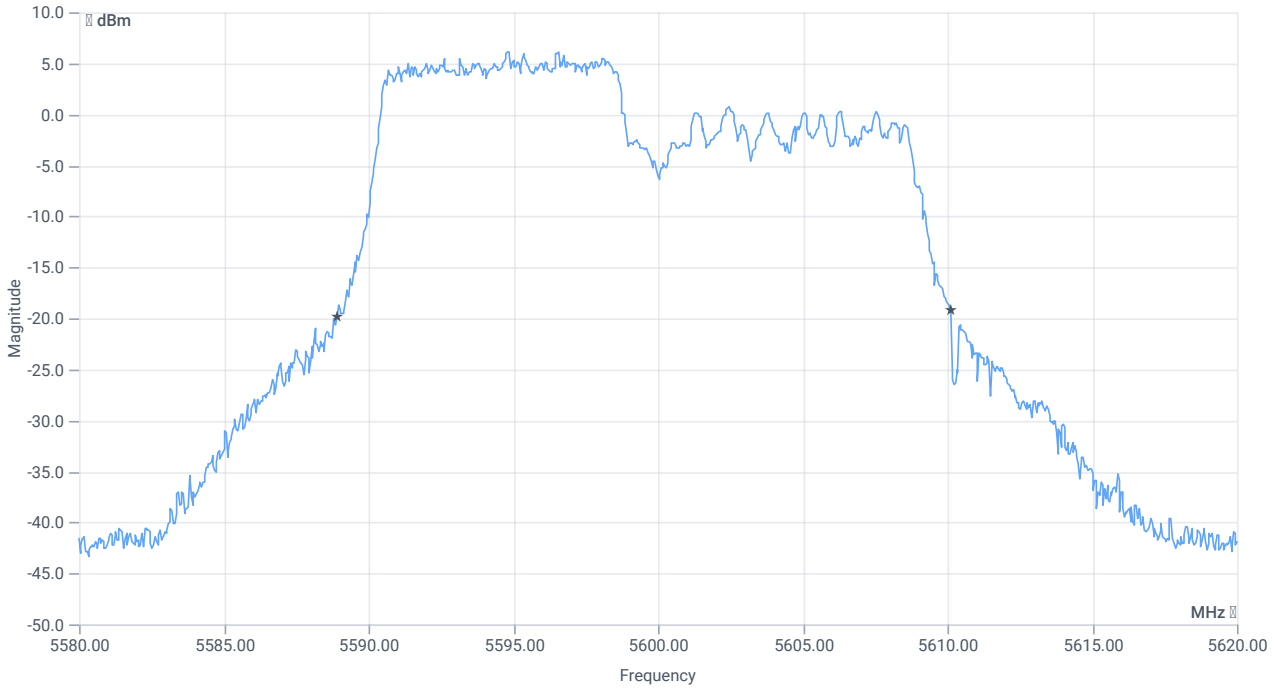
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.23	dBm	INFO
Ref. frequency	---	---	5595.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

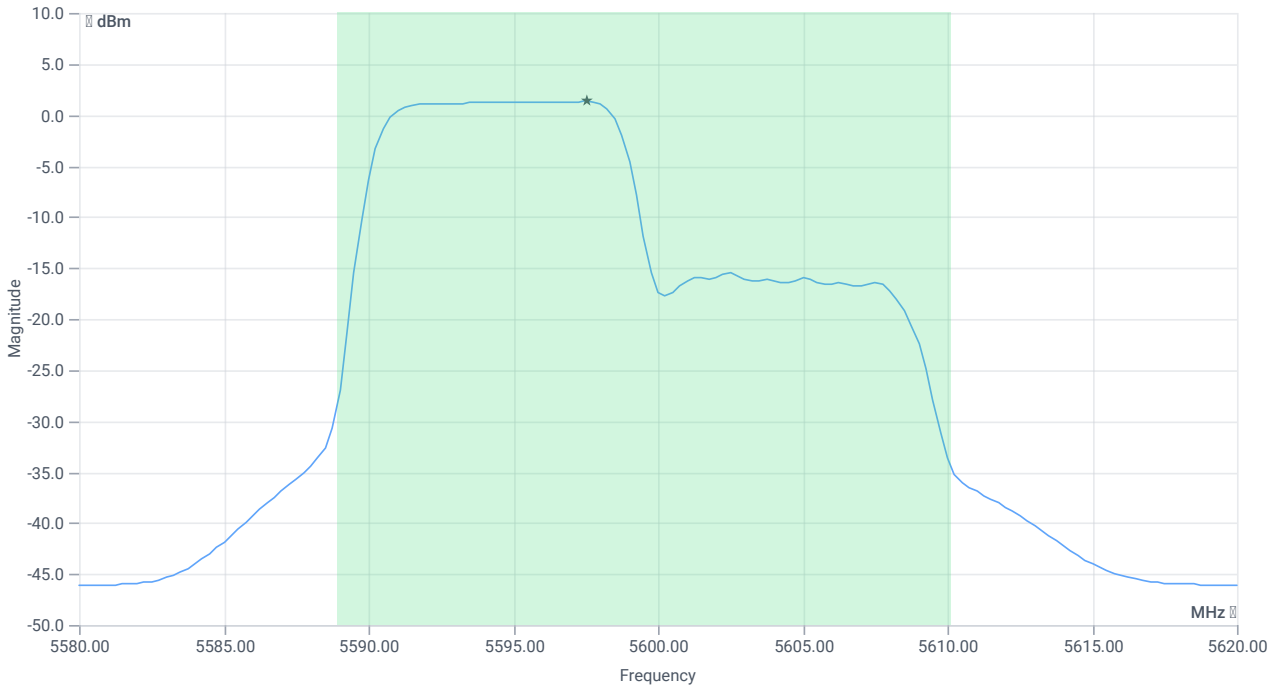
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.2	MHz	INFO
T1 26dB	---	---	5588.9200	MHz	INFO
T2 26dB	---	---	5610.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.23 | 11.02 | 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	---	---	10.16	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.16	dBm	PASS
LIMIT: 11 dBm + 10 log 21.2					
Max output power DC corrected cond	---	24.26	10.16	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.16	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	---	---	1.33	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.33	dBm/1MHz	PASS

Test at TX 5700 MHz

RESULT: Reference power cond.

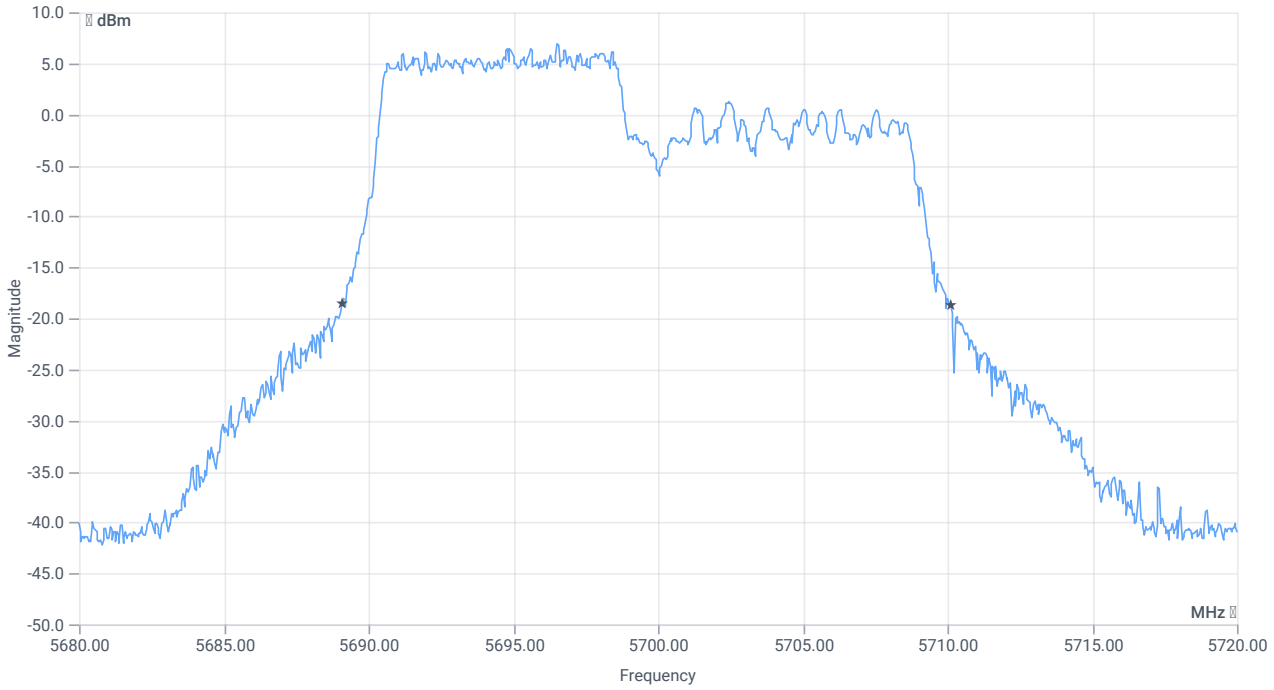
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.55	dBm	INFO
Ref. frequency	---	---	5697.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

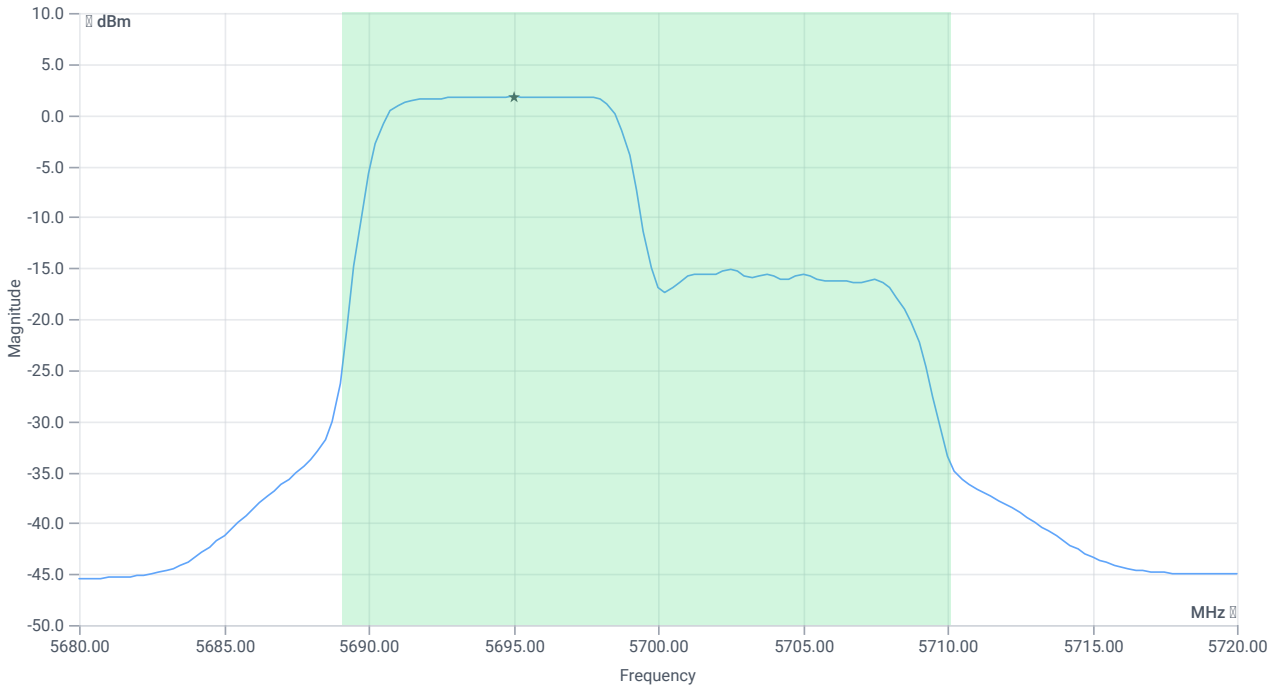
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.04	MHz	INFO
T1 26dB	---	---	5689.0800	MHz	INFO
T2 26dB	---	---	5710.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.55 | 11.16 | 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	---	---	10.68	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.68	dBm	PASS
LIMIT: 11 dBm + 10 log 21.04					
Max output power DC corrected cond	---	24.23	10.68	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.68	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	---	---	1.81	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	1.81	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.01.2026 13:11:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5745 MHz

RESULT: Reference power cond.

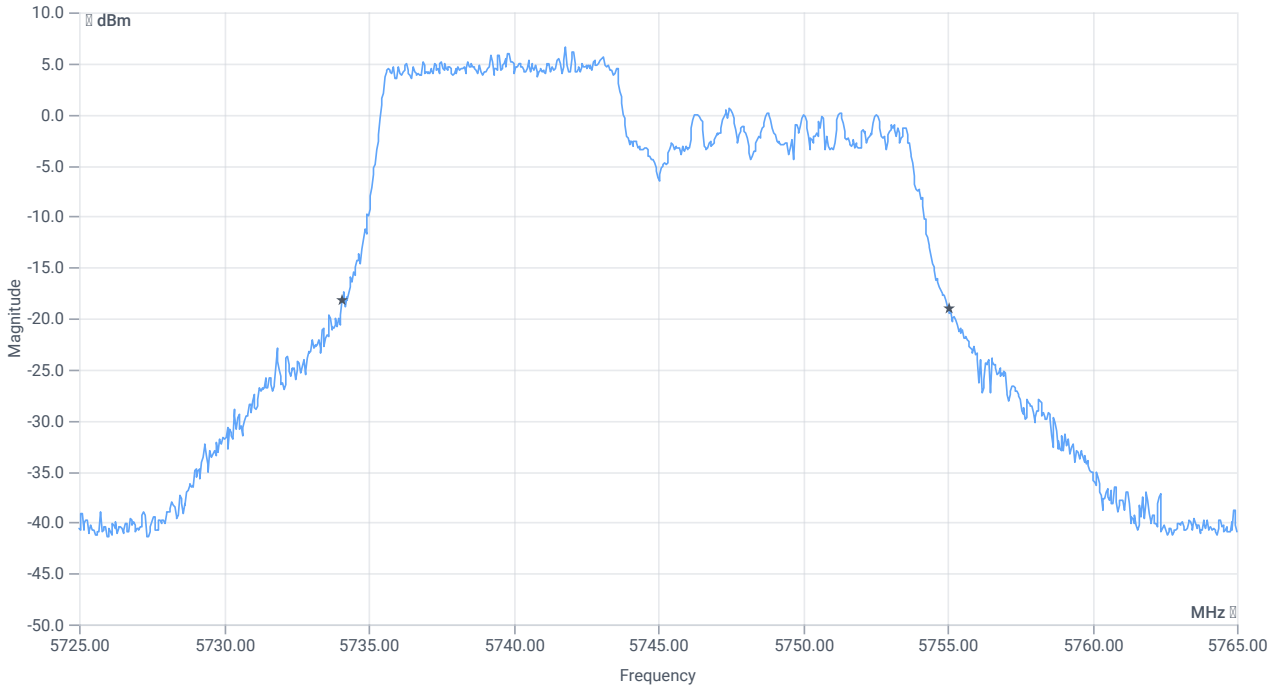
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.89	dBm	INFO
Ref. frequency	---	---	5736.410	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

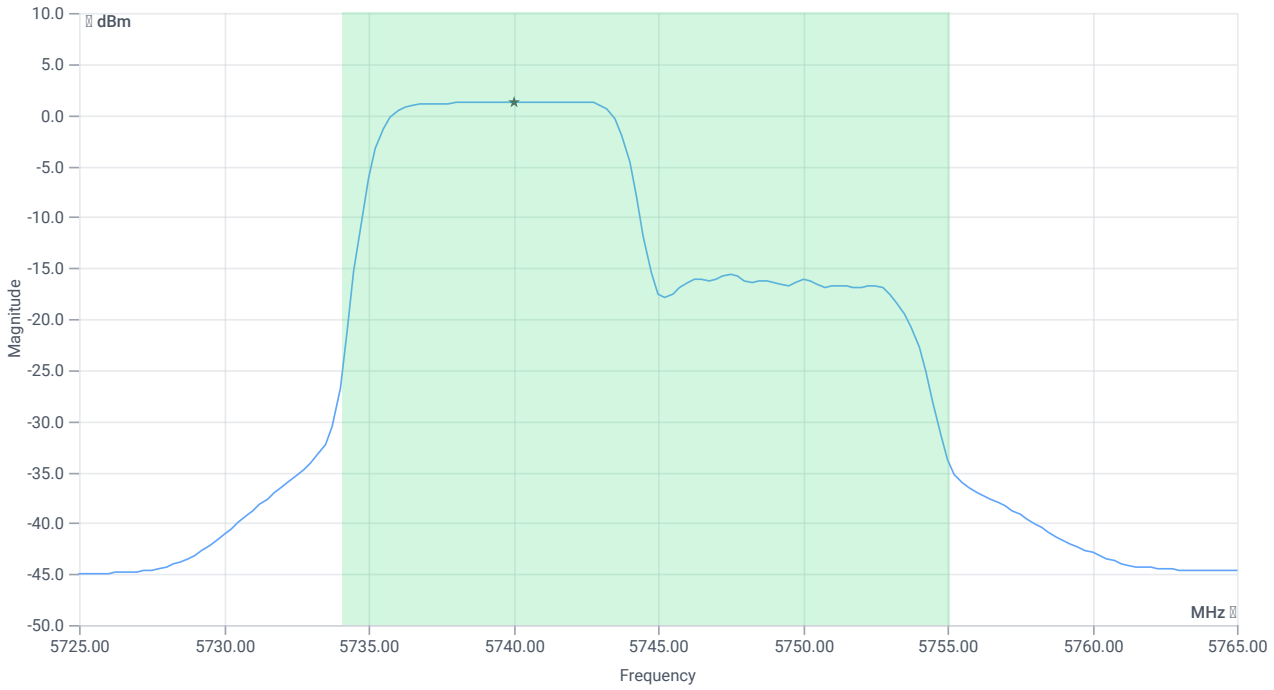
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.96	MHz	INFO
T1 26dB	---	---	5734.0800	MHz	INFO
T2 26dB	---	---	5755.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.89 | 11.14 | 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	---	---	10.15	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.15	dBm	PASS
LIMIT: 11 dBm + 10 log 20.96					
Max output power DC corrected cond	---	24.21	10.15	dBm	na

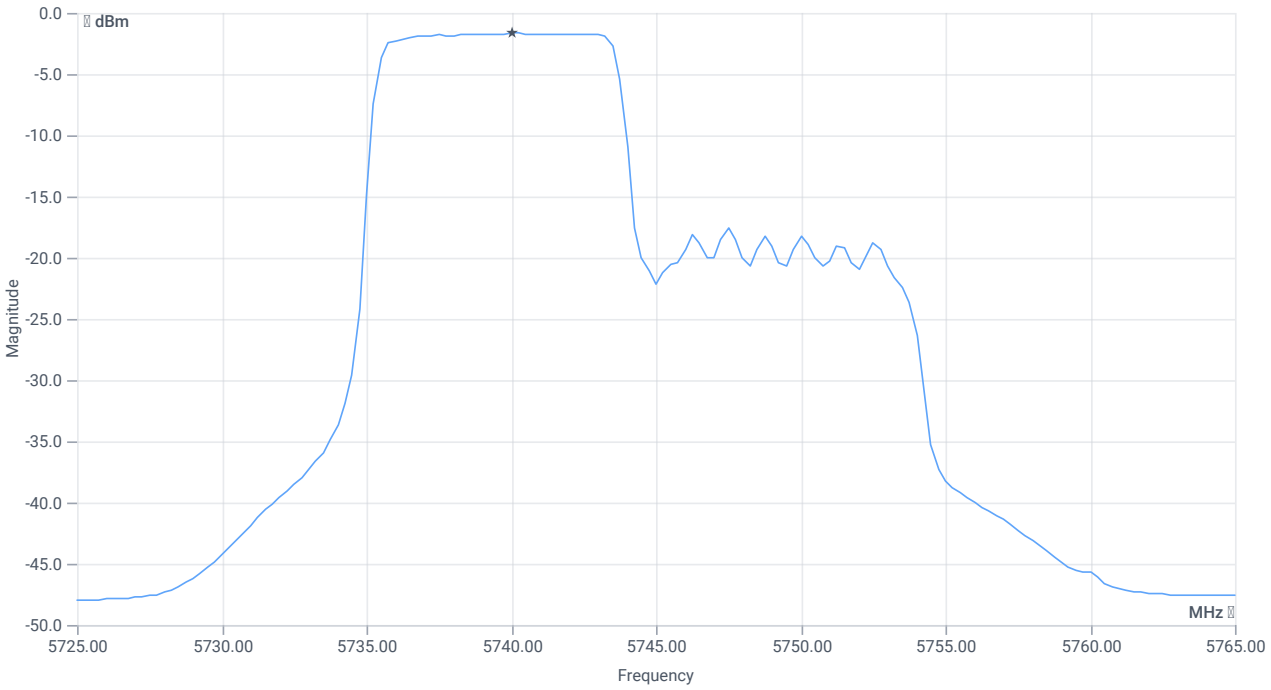
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	22.89 | 11.14 | 30

READ SA SETTINGS:

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	---	---	-1.66	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.66	dBm/0.5MHz	PASS

Test at TX 5785 MHz

RESULT: Reference power cond.

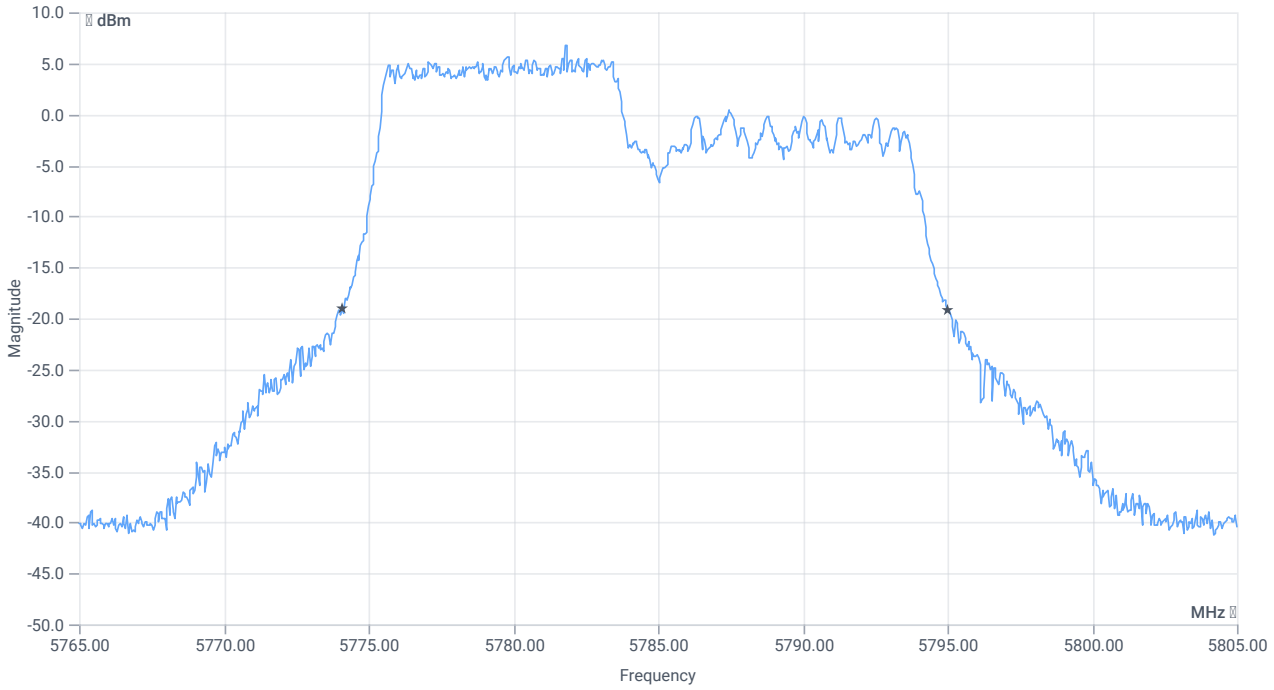
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.86	dBm	INFO
Ref. frequency	---	---	5781.400	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

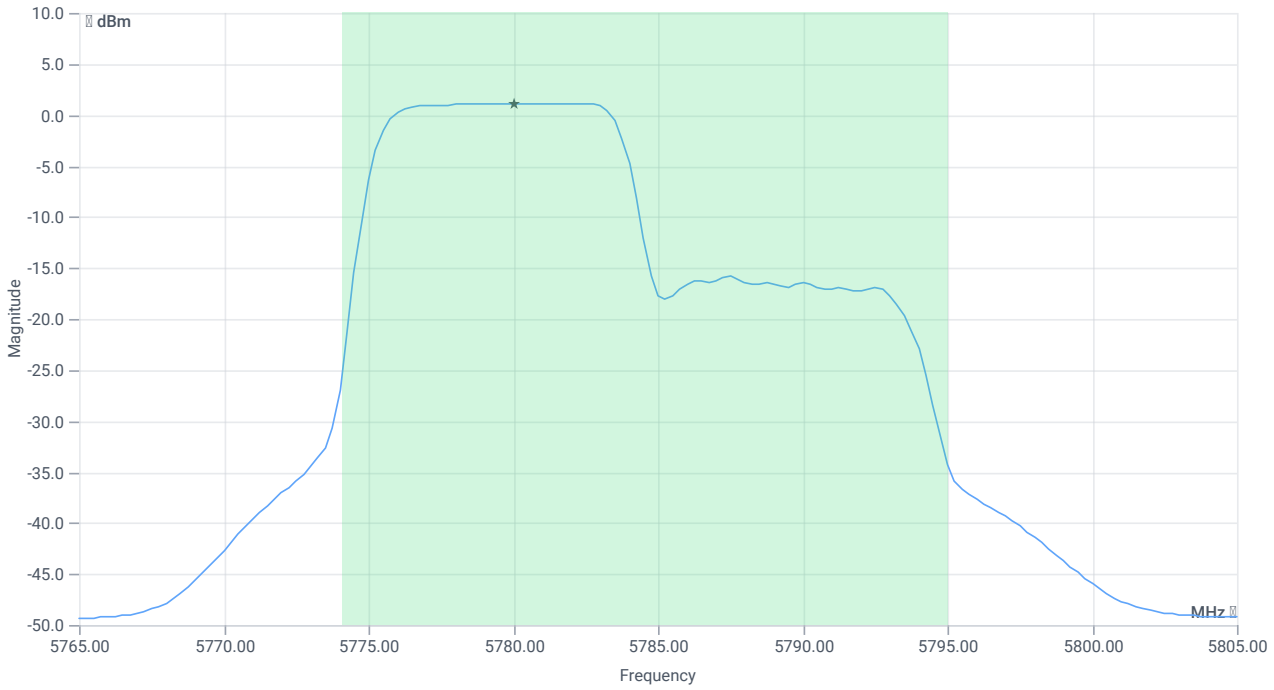
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.92	MHz	INFO
T1 26dB	---	---	5774.0800	MHz	INFO
T2 26dB	---	---	5795.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.86 | 11.31 | 25
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	---	---	9.98	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.98	dBm	PASS
LIMIT: 11 dBm + 10 log 20.92					
Max output power DC corrected cond	---	24.21	9.98	dBm	na

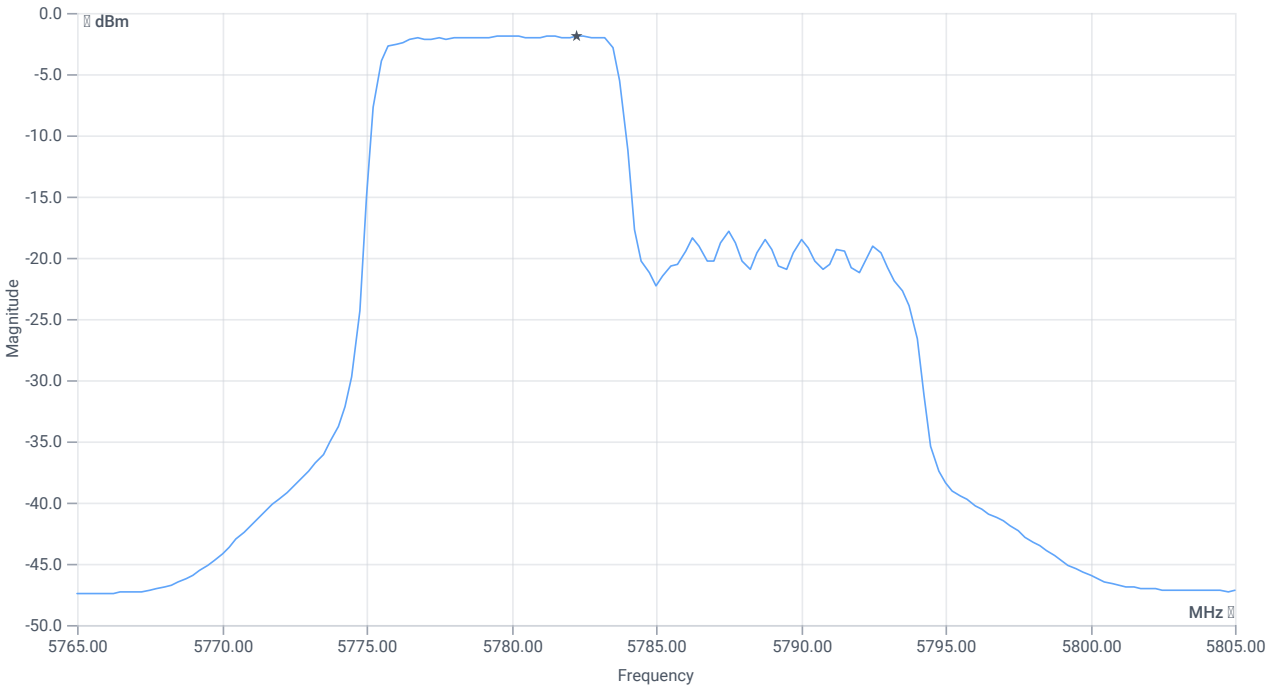
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.86 | 11.31 | 30

READ SA SETTINGS:

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	---	---	-1.88	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-1.88	dBm/0.5MHz	PASS

Test at TX 5825 MHz

RESULT: Reference power cond.

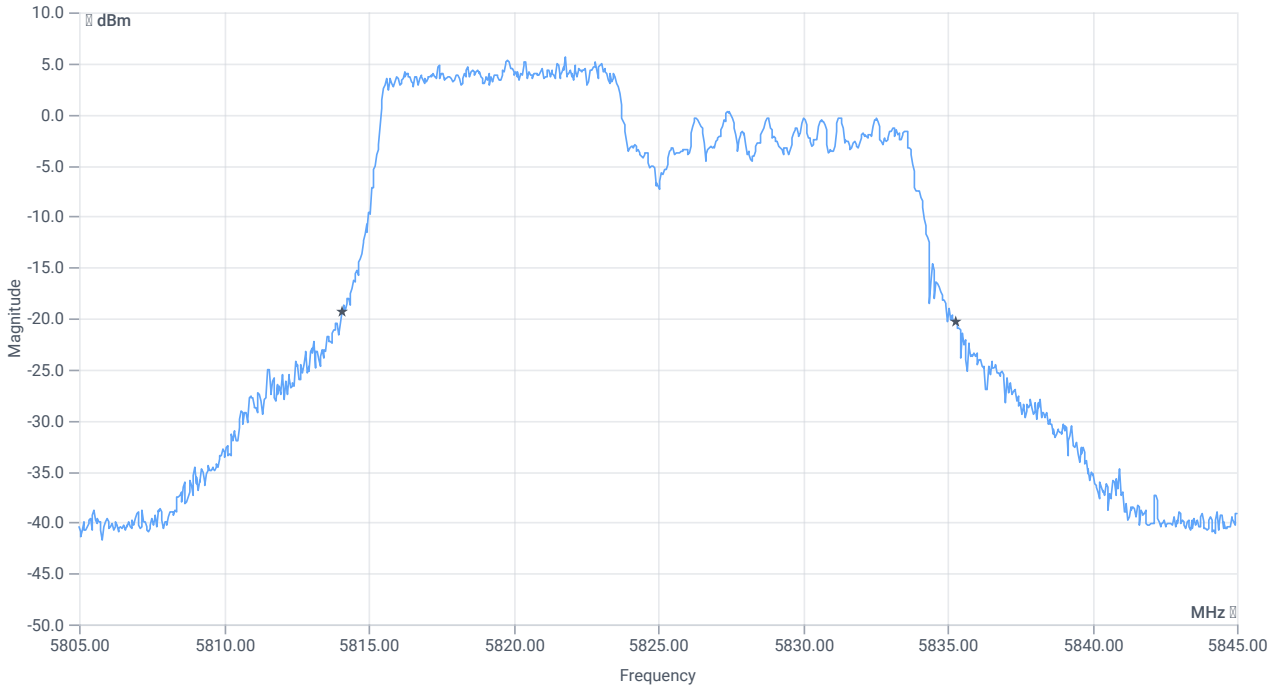
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.44	dBm	INFO
Ref. frequency	---	---	5819.610	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

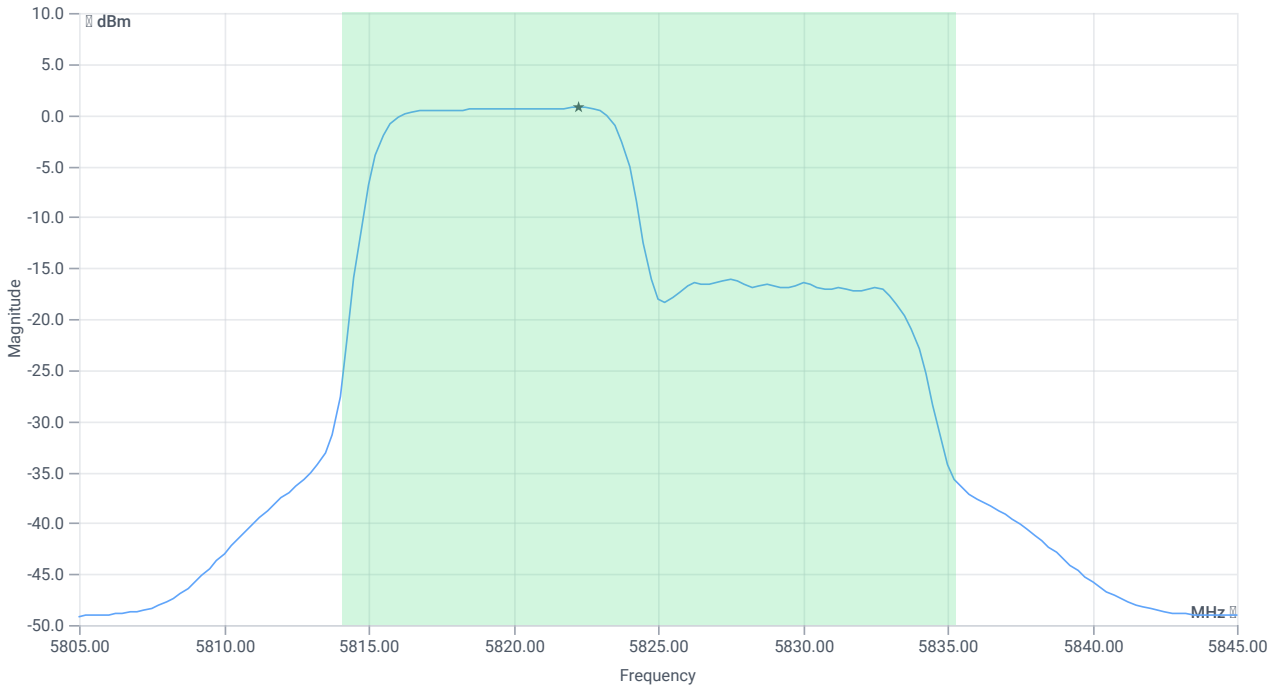
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.2	MHz	INFO
T1 26dB	---	---	5814.0800	MHz	INFO
T2 26dB	---	---	5835.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.44 | 11.29 | 25
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	---	---	9.53	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.53	dBm	PASS
LIMIT: 11 dBm + 10 log 21.2					
Max output power DC corrected cond	---	24.26	9.53	dBm	na

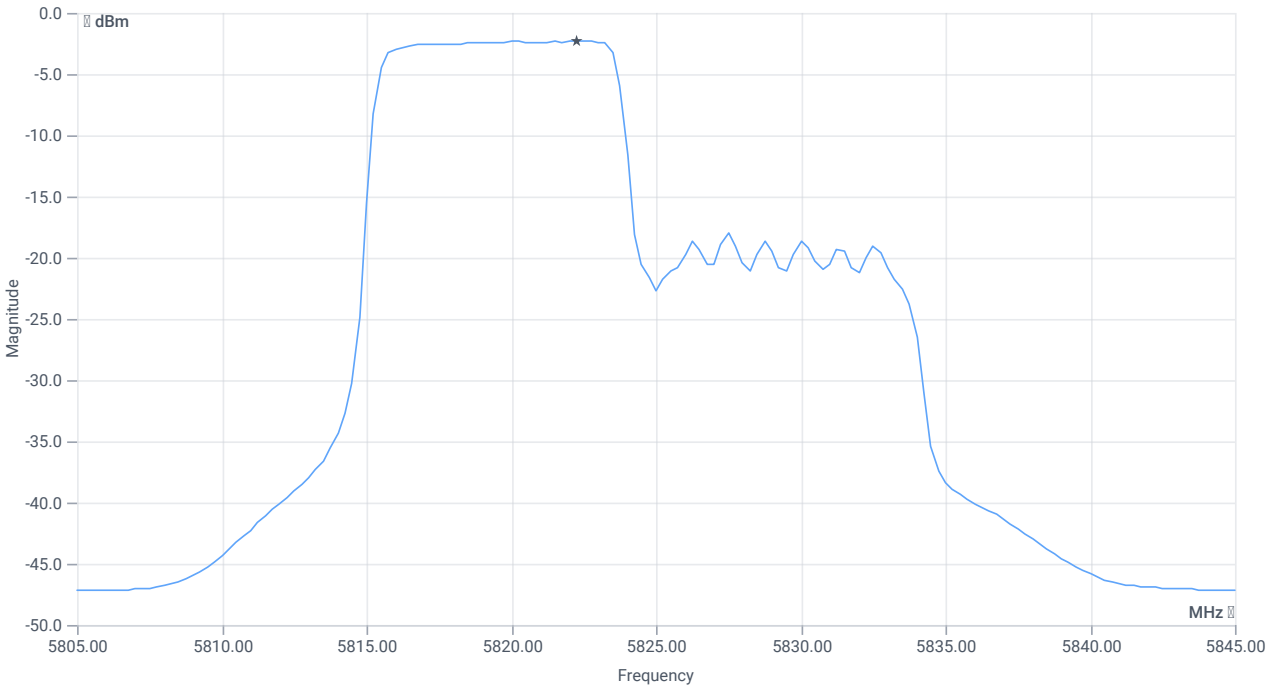
Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	21.44 | 11.29 | 30

READ SA SETTINGS:

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	---	---	-2.27	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-2.27	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	15.01.2026 18:26:51
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

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	True | 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 5180 MHz

RESULT: Reference power cond.

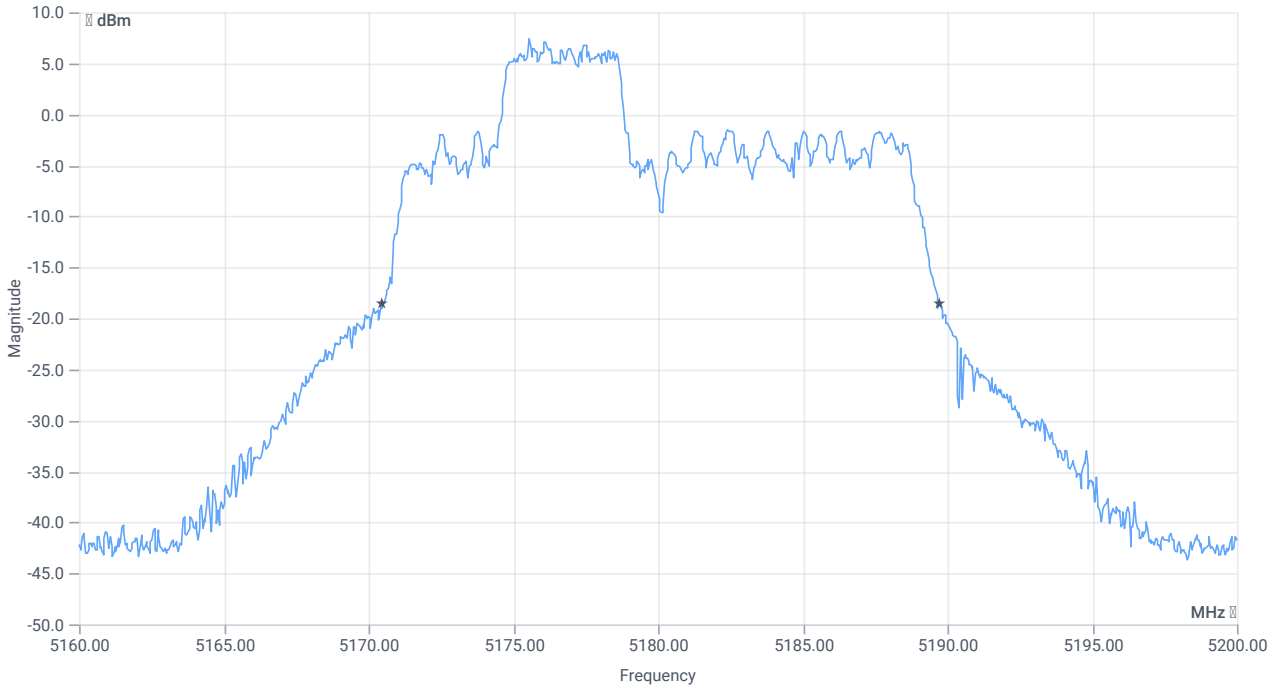
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.51	dBm	INFO
Ref. frequency	---	---	5177.600	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

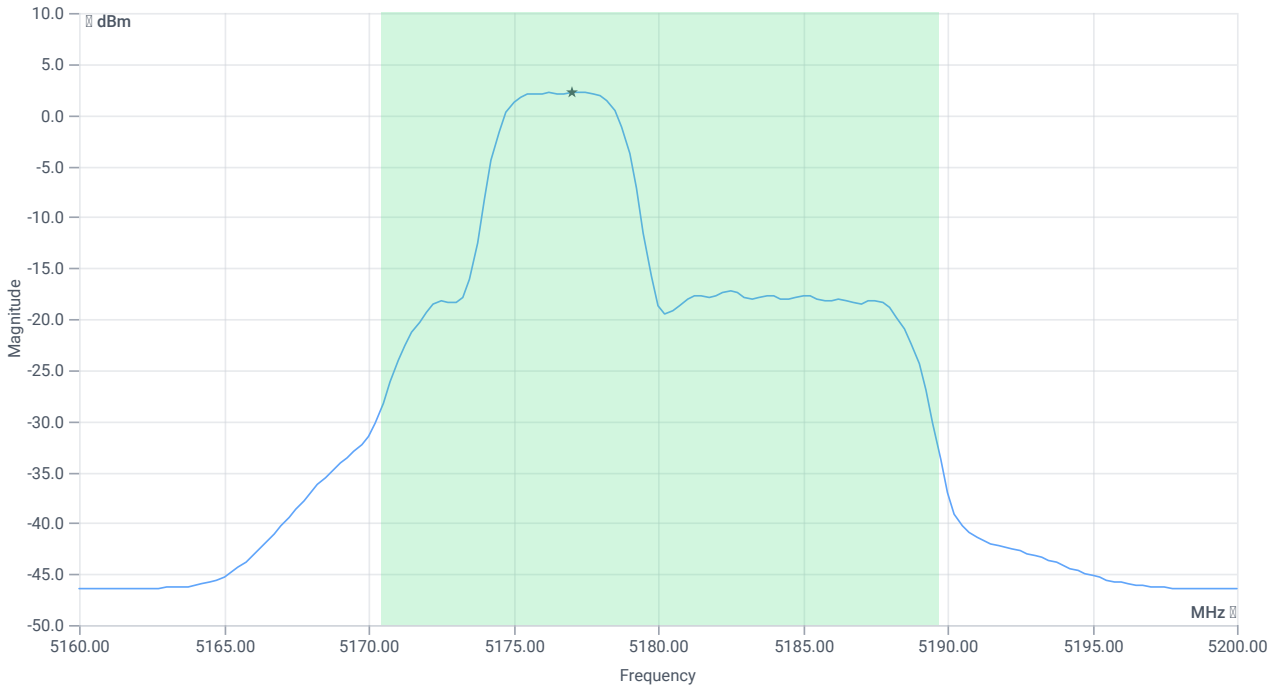
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.28	MHz	INFO
T1 26dB	---	---	5170.4400	MHz	INFO
T2 26dB	---	---	5189.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.51 | 10.89 | 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	---	---	8.1	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.1	dBm	PASS
LIMIT: 11 dBm + 10 log 19.28					
Max output power DC corrected cond	---	23.85	8.1	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

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	dB	INFO
Power spectral density DC corrected cond	---	11	2.18	dBm/1MHz	PASS

Test at TX 5200 MHz

RESULT: Reference power cond.

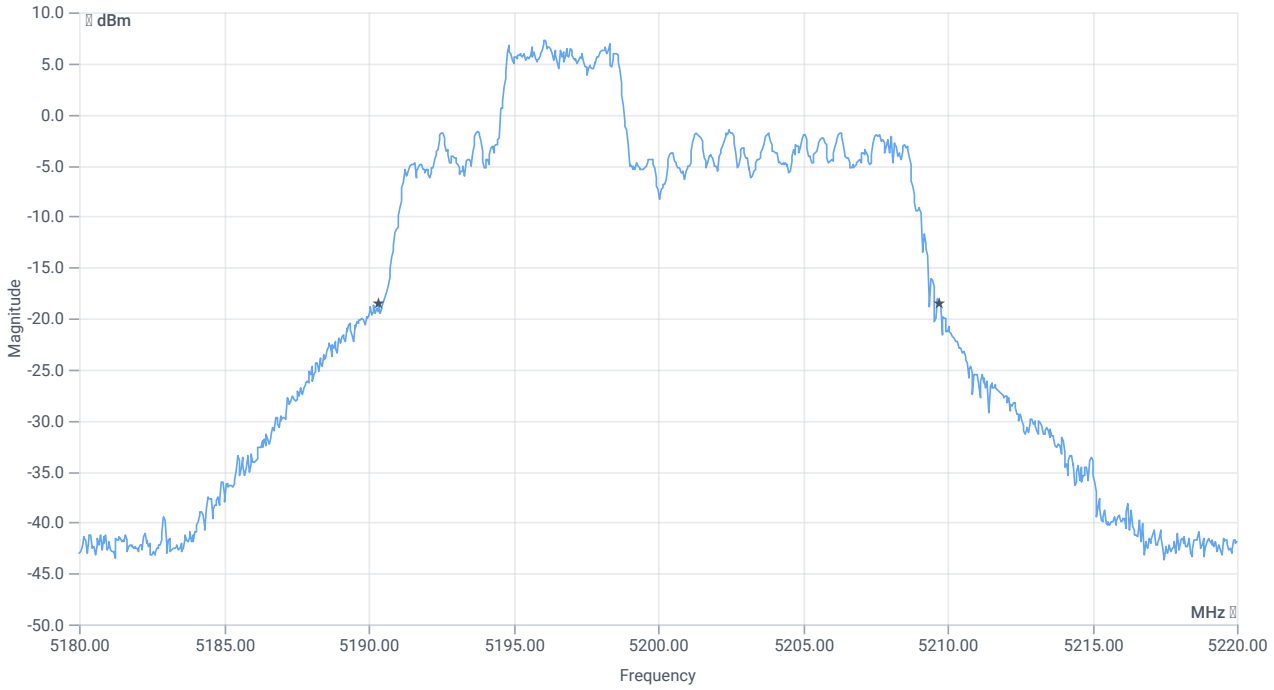
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.32	dBm	INFO
Ref. frequency	---	---	5196.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

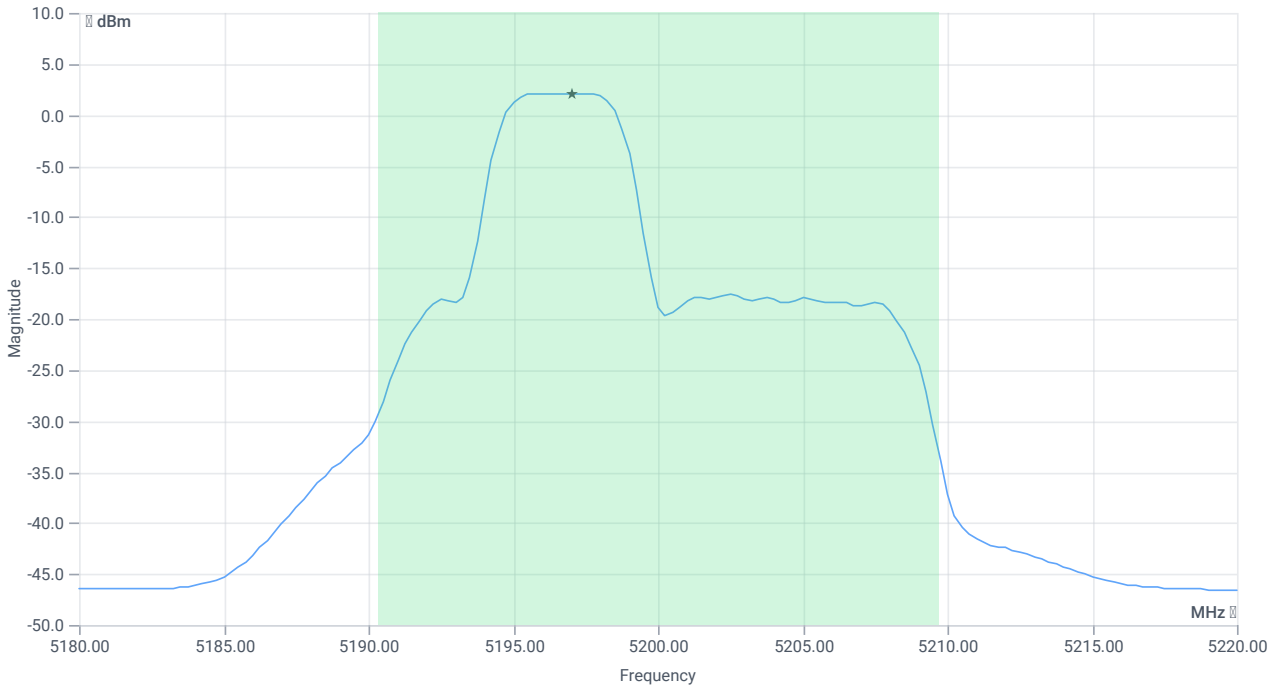
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.36	MHz	INFO
T1 26dB	---	---	5190.3600	MHz	INFO
T2 26dB	---	---	5209.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.32 | 10.85 | 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	---	---	8.04	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.04	dBm	PASS
LIMIT: 11 dBm + 10 log 19.36					
Max output power DC corrected cond	---	23.87	8.04	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.11	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.11	dBm/1MHz	PASS

Test at TX 5240 MHz

RESULT: Reference power cond.

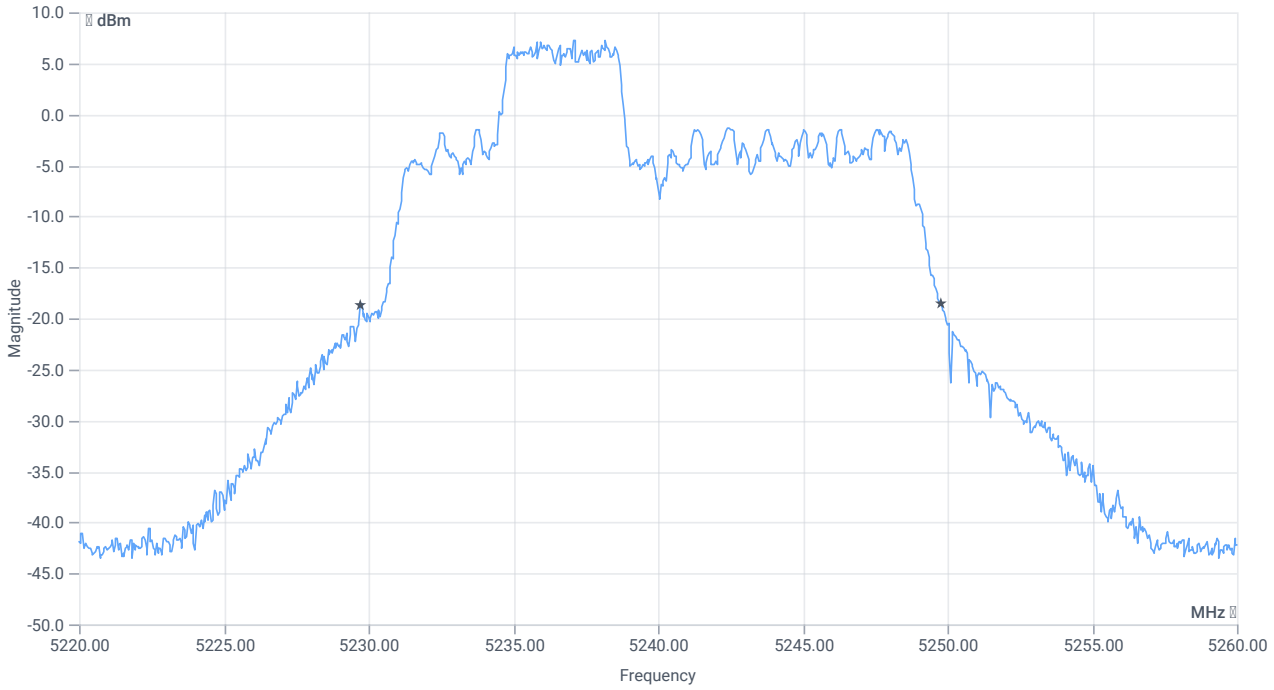
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.62	dBm	INFO
Ref. frequency	---	---	5236.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

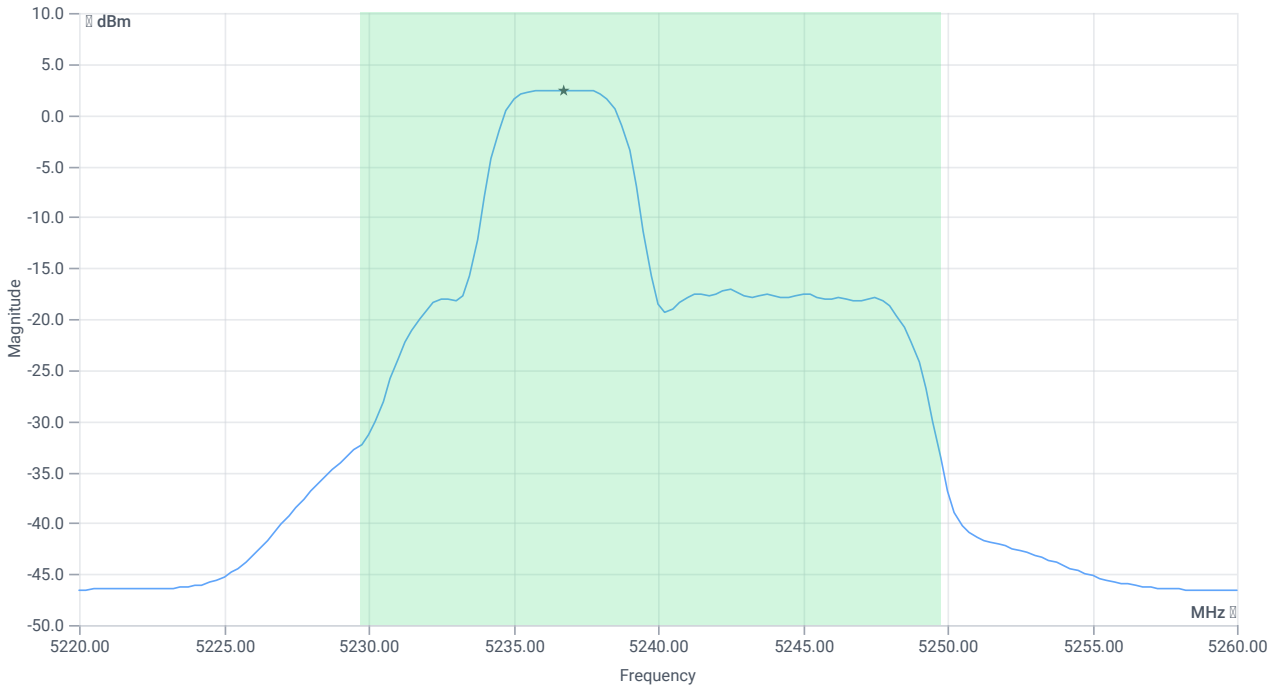
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.04	MHz	INFO
T1 26dB	---	---	5229.7200	MHz	INFO
T2 26dB	---	---	5249.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	23.62 | 10.86 | 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	---	---	8.3	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.3	dBm	PASS
LIMIT: 11 dBm + 10 log 20.04					
Max output power DC corrected cond	---	24.02	8.3	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	2.38	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.38	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	15.01.2026 18:32:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.6
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	1
User Interaction	Yes
Device class U-NII-1 (FCC)	Client
Limit W52 japan	Standard
TPC supported	No
Vehicle use (ISED)	No

Equipment

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

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	True | 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 5260 MHz

RESULT: Reference power cond.

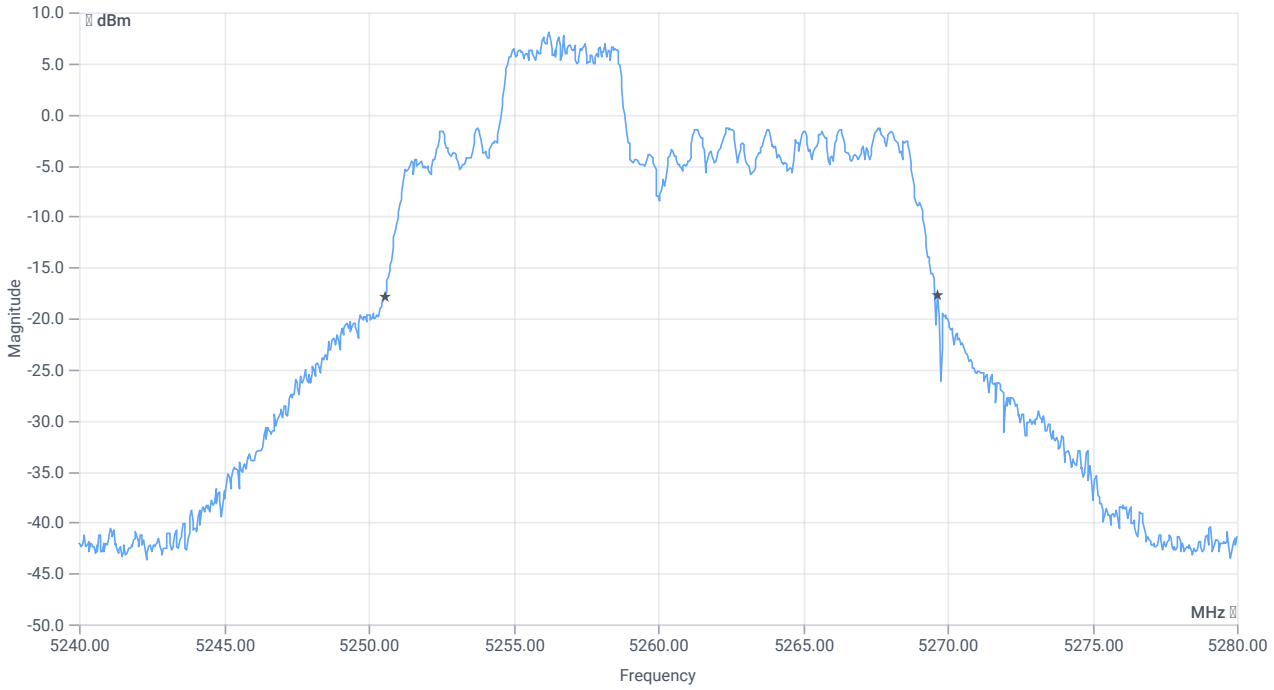
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.65	dBm	INFO
Ref. frequency	---	---	5257.000	MHz	INFO

Evaluation max. duty cycle

Duty cycle evaluation

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle min	---	---	0	dB	DC > 98% defined

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.12	MHz	INFO
T1 26dB	---	---	5250.5600	MHz	INFO
T2 26dB	---	---	5269.6800	MHz	INFO

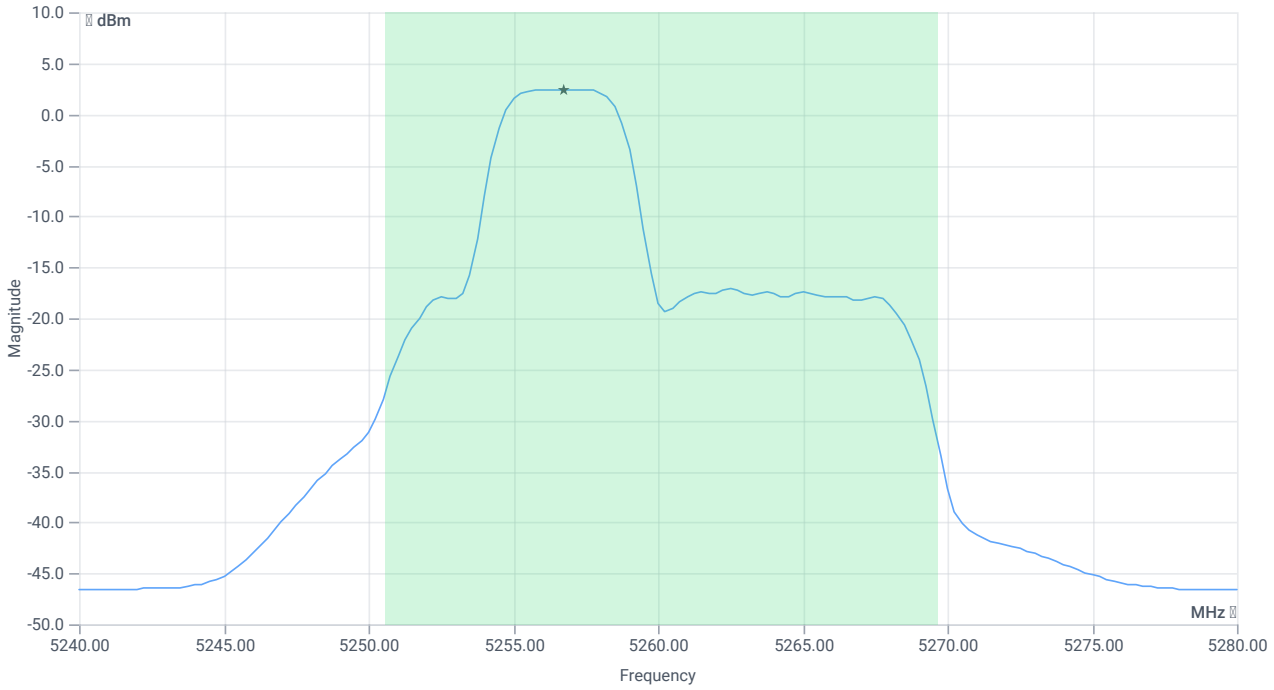
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	24.65 | 10.85 | 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	---	---	8.36	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.36	dBm	PASS
LIMIT: 11 dBm + 10 log 19.12					
Max output power DC corrected cond	---	23.81	8.36	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.36	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	---	---	2.43	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	2.43	dBm/1MHz	PASS