Test at TX 5510 MHz

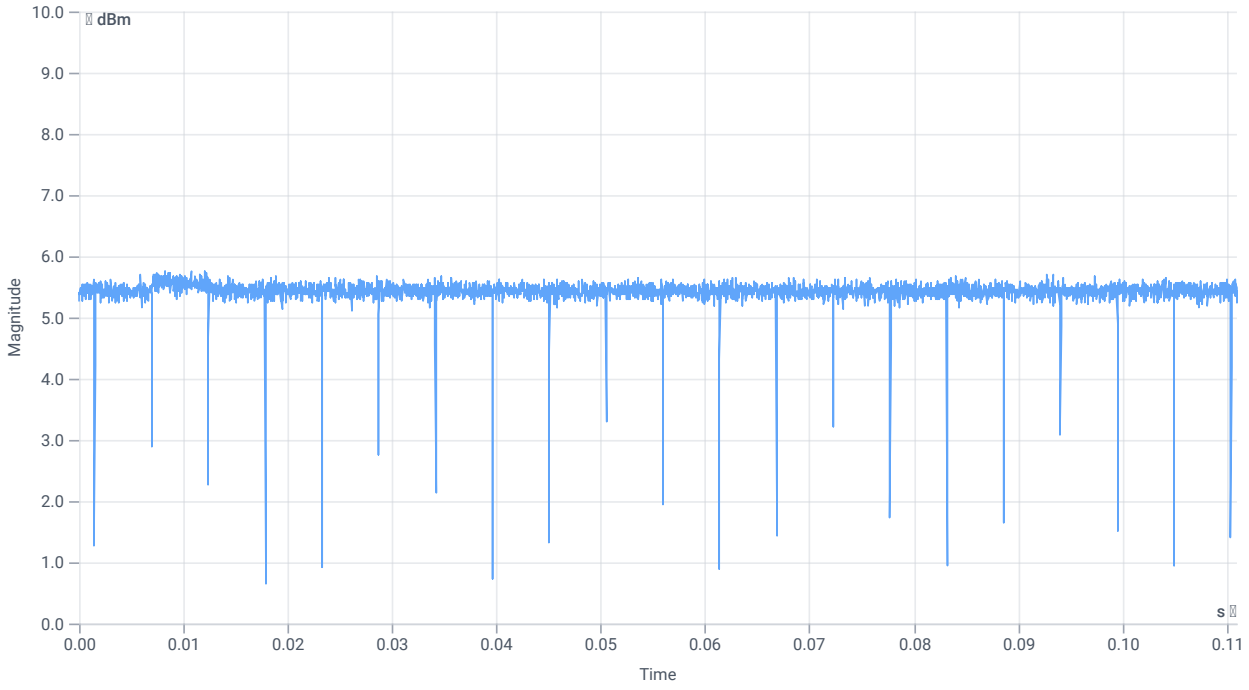
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.69	dBm	INFO
Ref. frequency	---	---	5512.800	MHz	INFO

Evaluation max. duty cycle

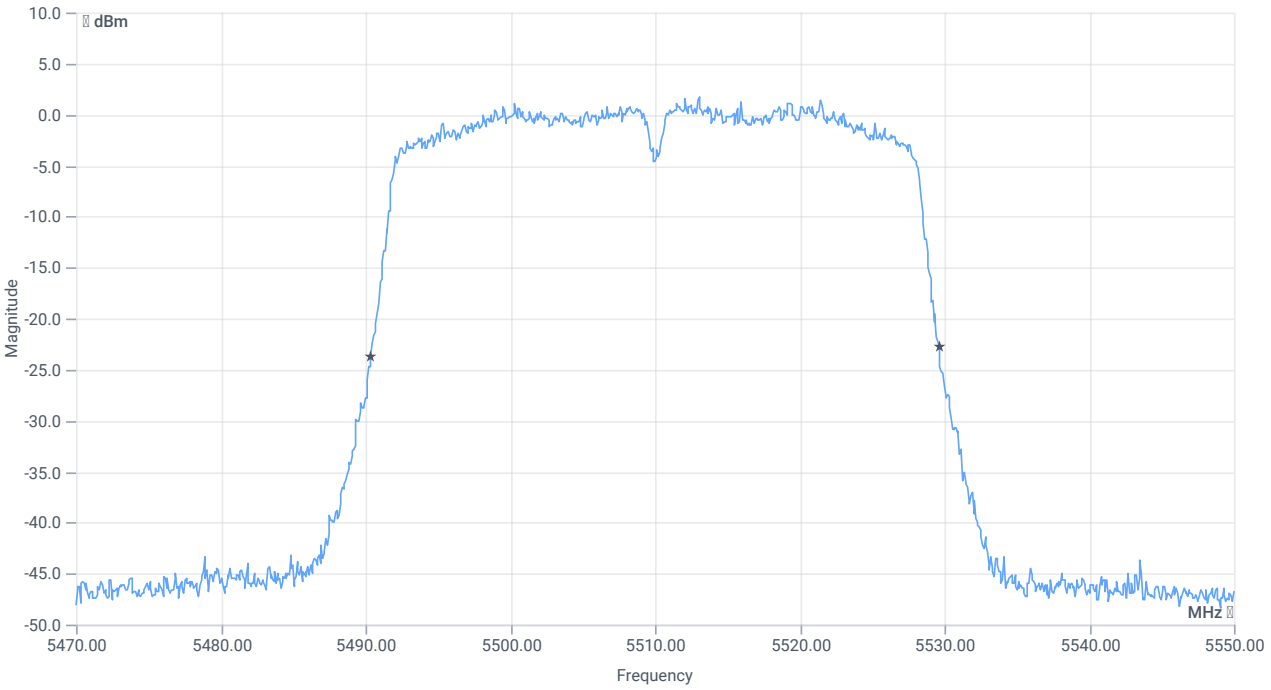
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

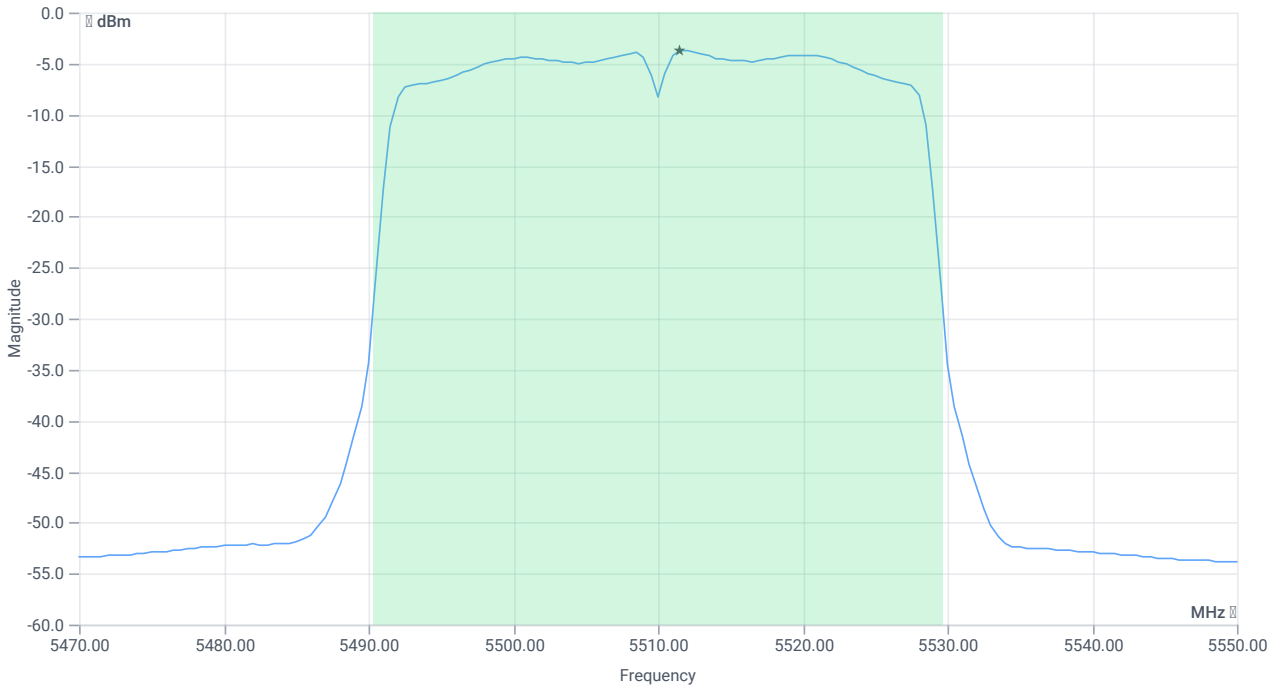
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.2	MHz	INFO
T1 26dB	---	---	5490.4000	MHz	INFO
T2 26dB	---	---	5529.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.69 | 14.34 | 20
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	---	---	10.27	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.27	dBm	PASS
LIMIT: 11 dBm + 10 log 39.2					
Max output power DC corrected cond	---	26.93	10.27	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.27	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	---	---	-3.74	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.74	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-2C

References

TC start	25.11.2025 09:27:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5510 MHz

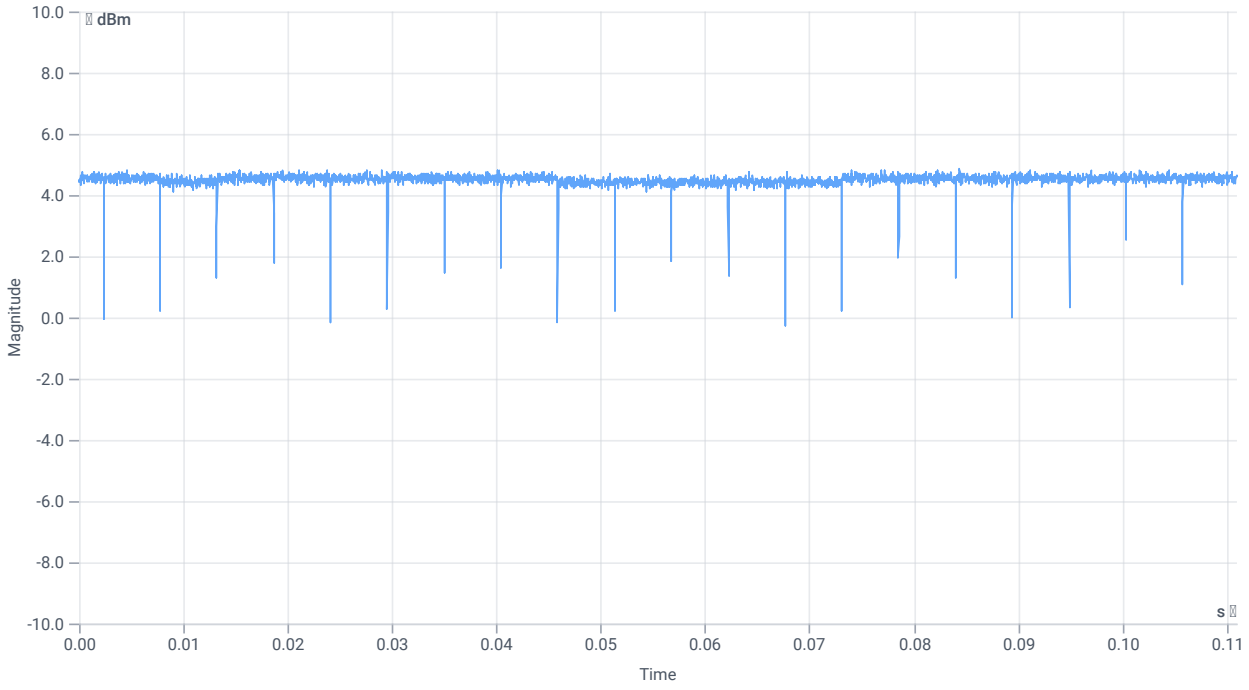
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.35	dBm	INFO
Ref. frequency	---	---	5506.400	MHz	INFO

Evaluation max. duty cycle

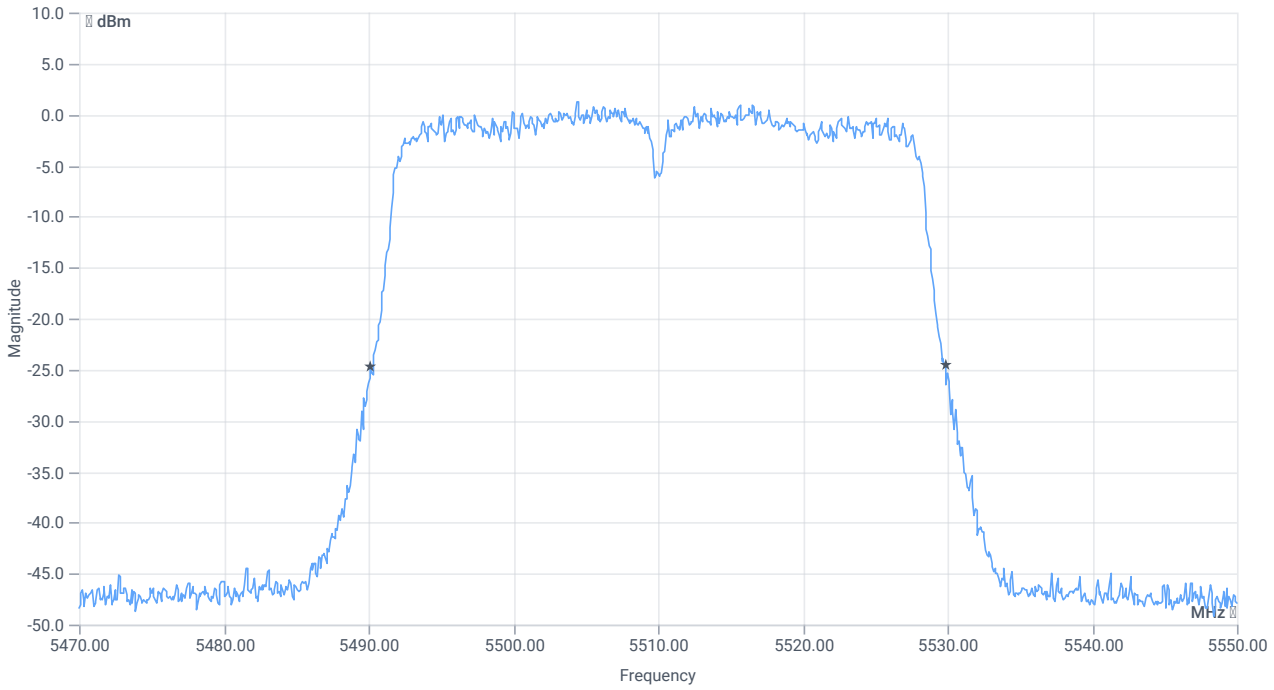
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

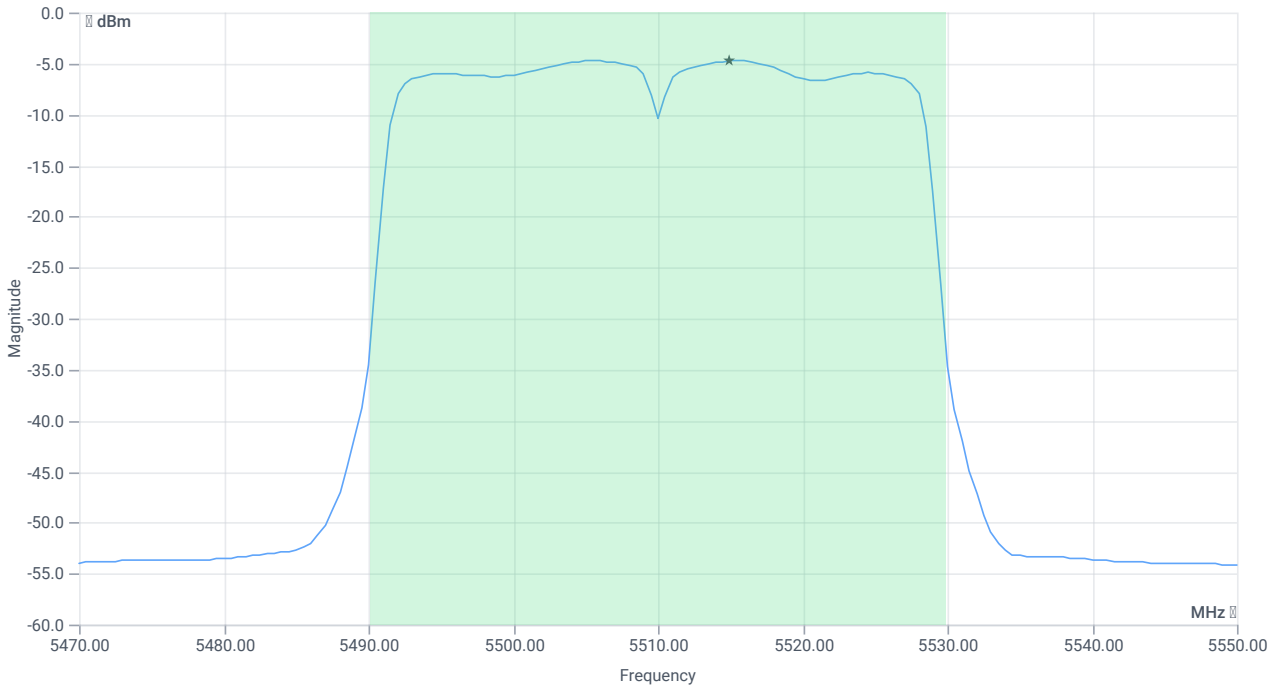
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.68	MHz	INFO
T1 26dB	---	---	5490.1600	MHz	INFO
T2 26dB	---	---	5529.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.35 | 14.08 | 20
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	---	---	9.54	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.54	dBm	PASS
LIMIT: 11 dBm + 10 log 39.68					
Max output power DC corrected cond	---	26.99	9.54	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.54	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	---	---	-4.66	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.66	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-2C

References

TC start	25.11.2025 09:32:42
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

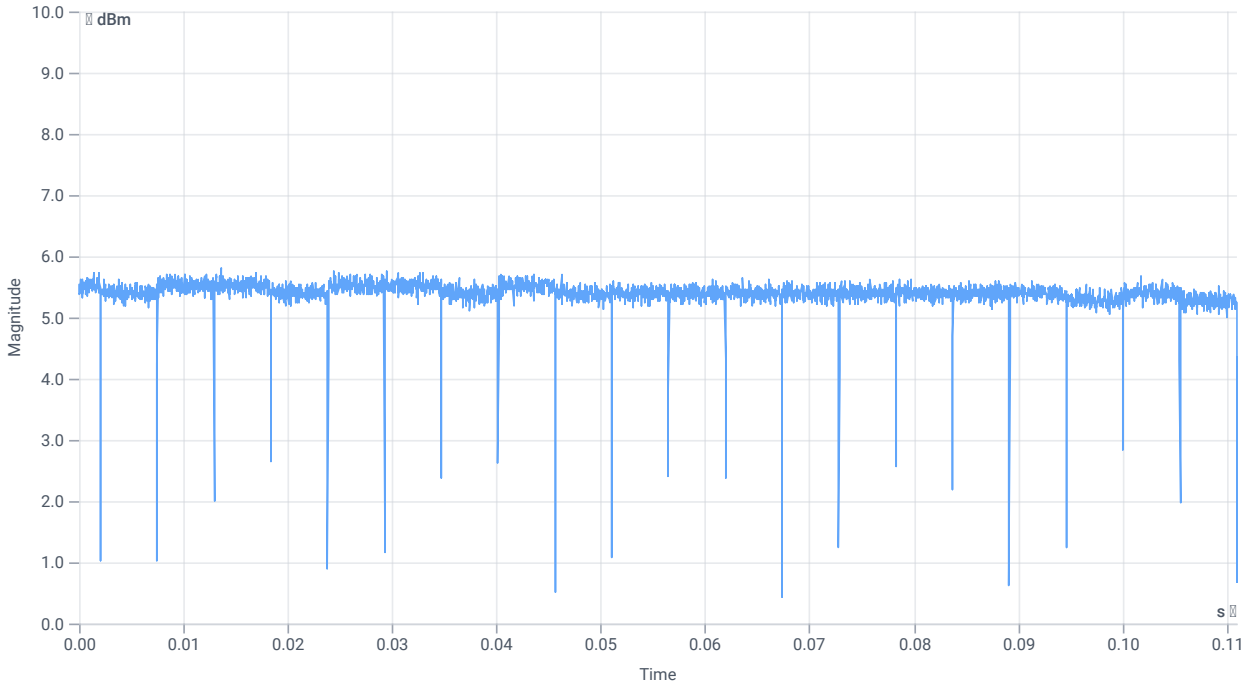
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.34	dBm	INFO
Ref. frequency	---	---	5591.600	MHz	INFO

Evaluation max. duty cycle

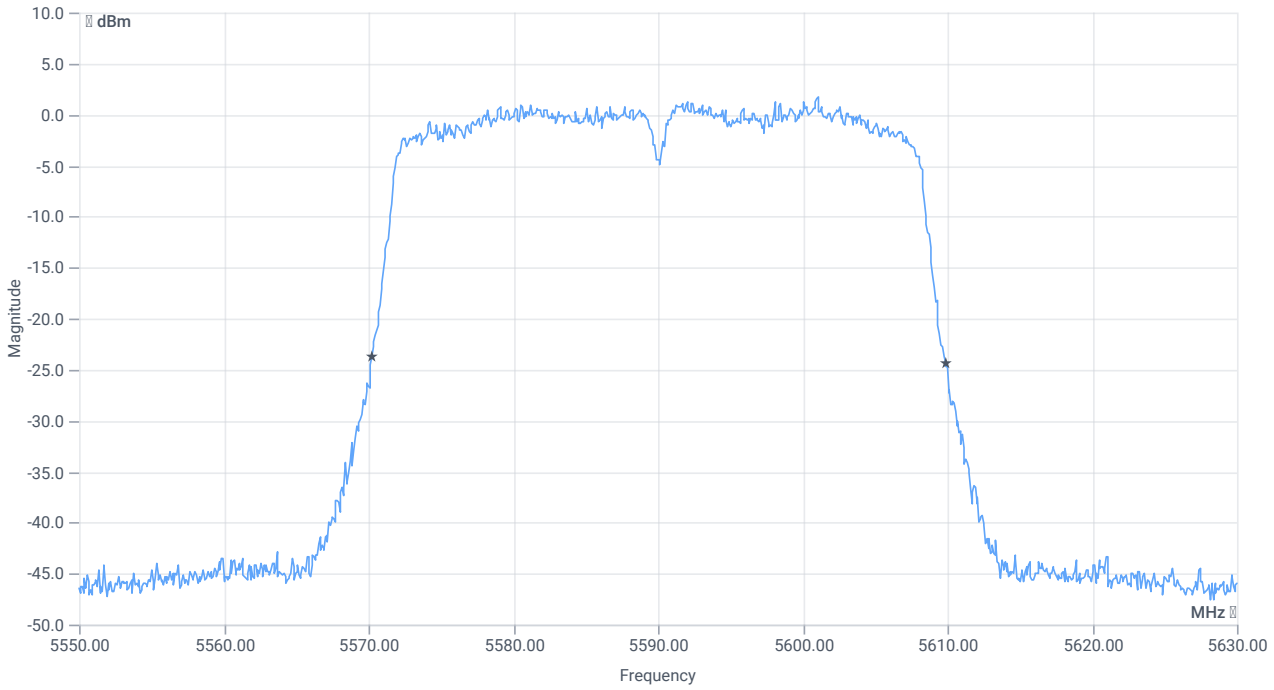
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

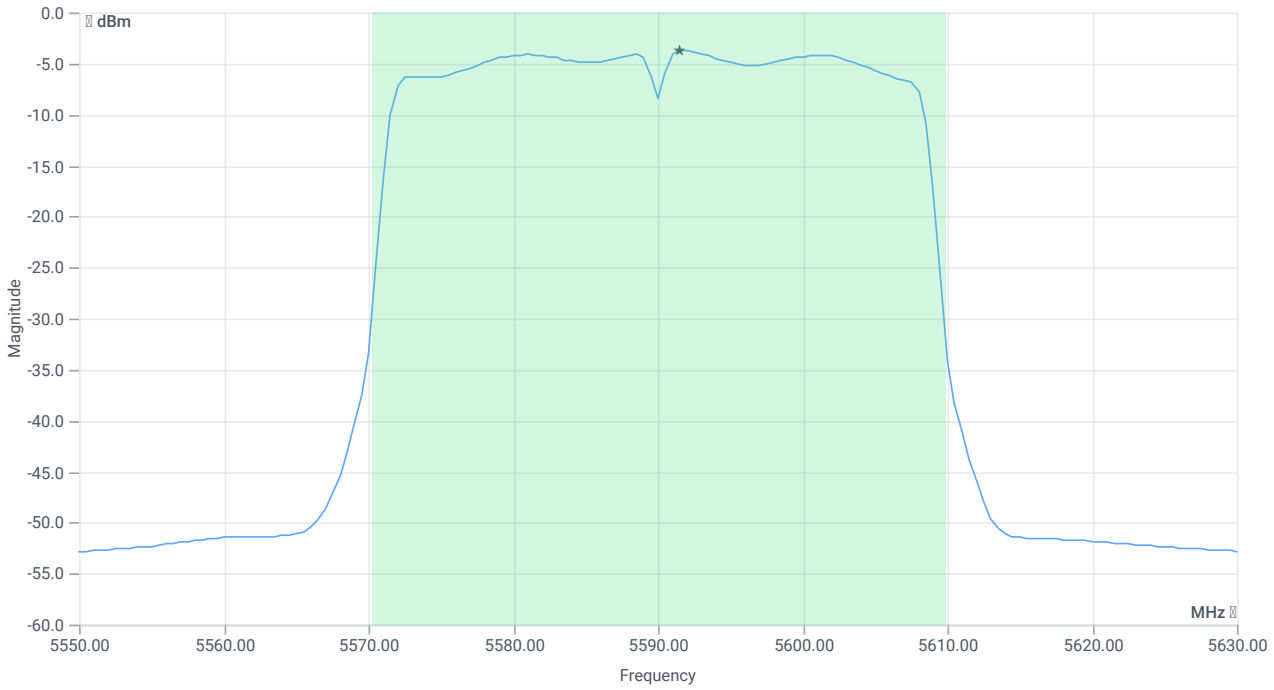
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO
T1 26dB	---	---	5570.2400	MHz	INFO
T2 26dB	---	---	5609.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.34 | 14.96 | 20
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	---	---	10.39	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 39.6					
Max output power DC corrected cond	---	26.98	10.39	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.39	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	---	---	-3.66	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.66	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-2C

References

TC start	25.11.2025 09:36:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5590 MHz

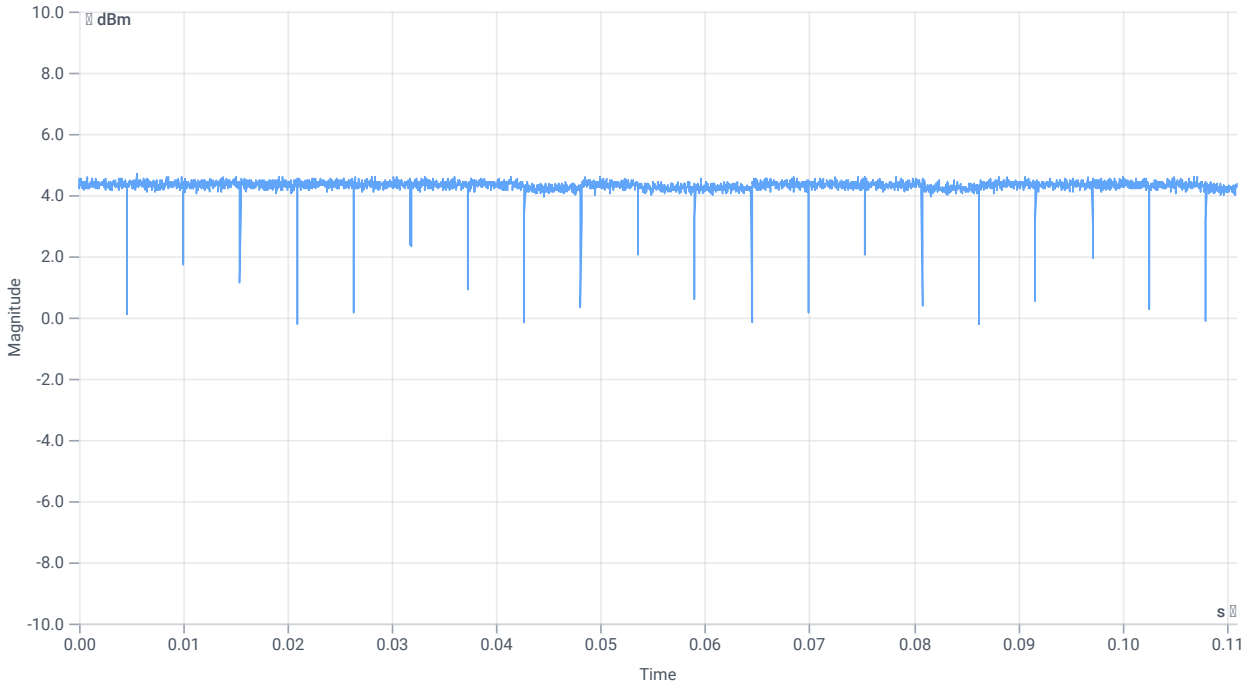
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.74	dBm	INFO
Ref. frequency	---	---	5593.600	MHz	INFO

Evaluation max. duty cycle

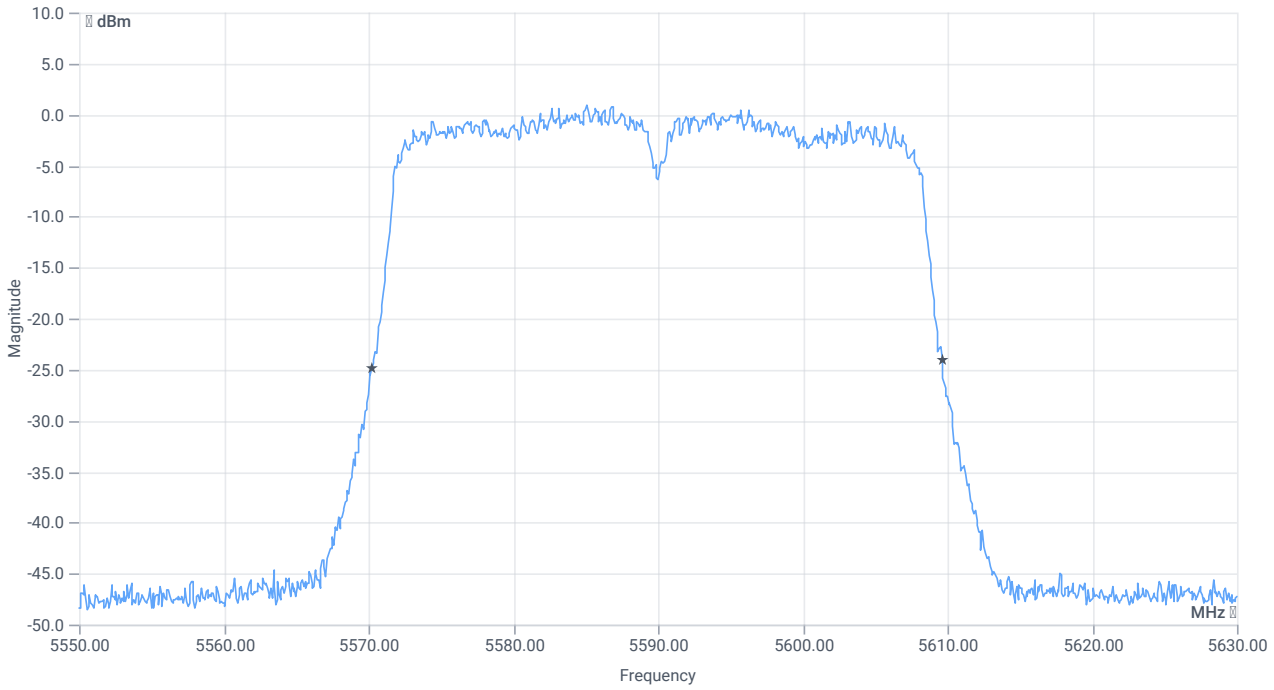
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

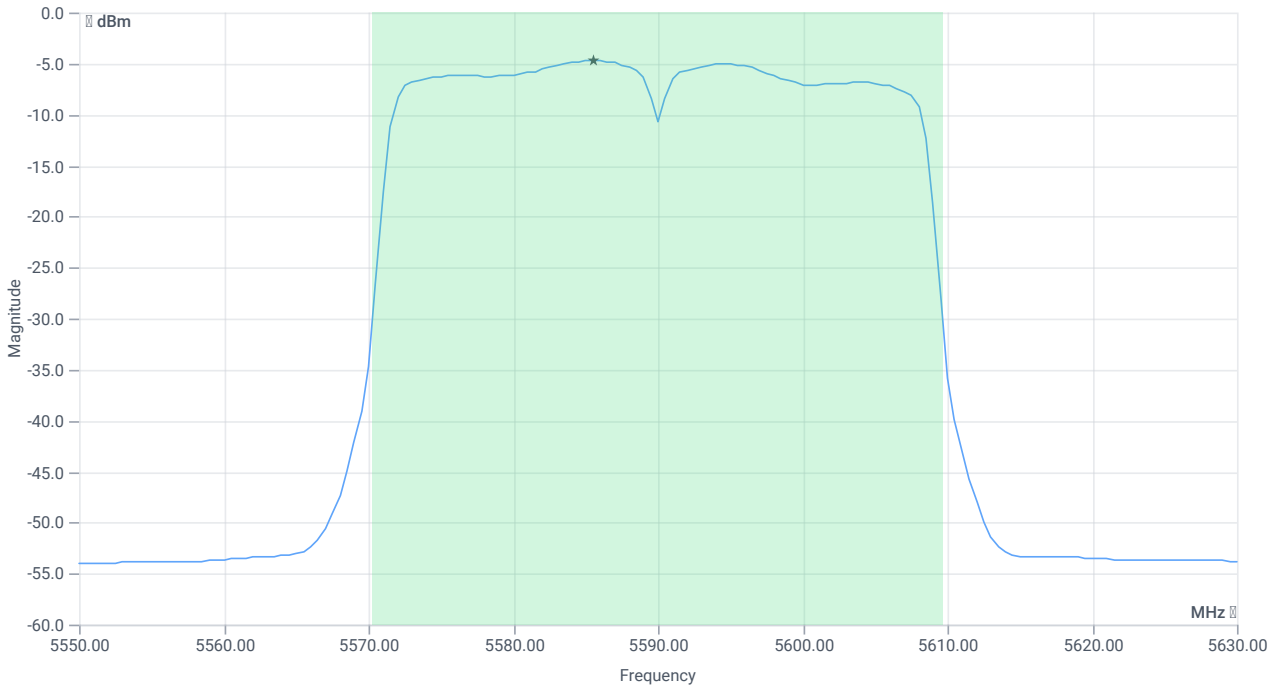
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.36	MHz	INFO
T1 26dB	---	---	5570.2400	MHz	INFO
T2 26dB	---	---	5609.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.74 | 14.16 | 20
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	---	---	9.21	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.21	dBm	PASS
LIMIT: 11 dBm + 10 log 39.36					
Max output power DC corrected cond	---	26.95	9.21	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.21	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.71	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.71	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-2C

References

TC start	25.11.2025 09:42:00
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5670 MHz

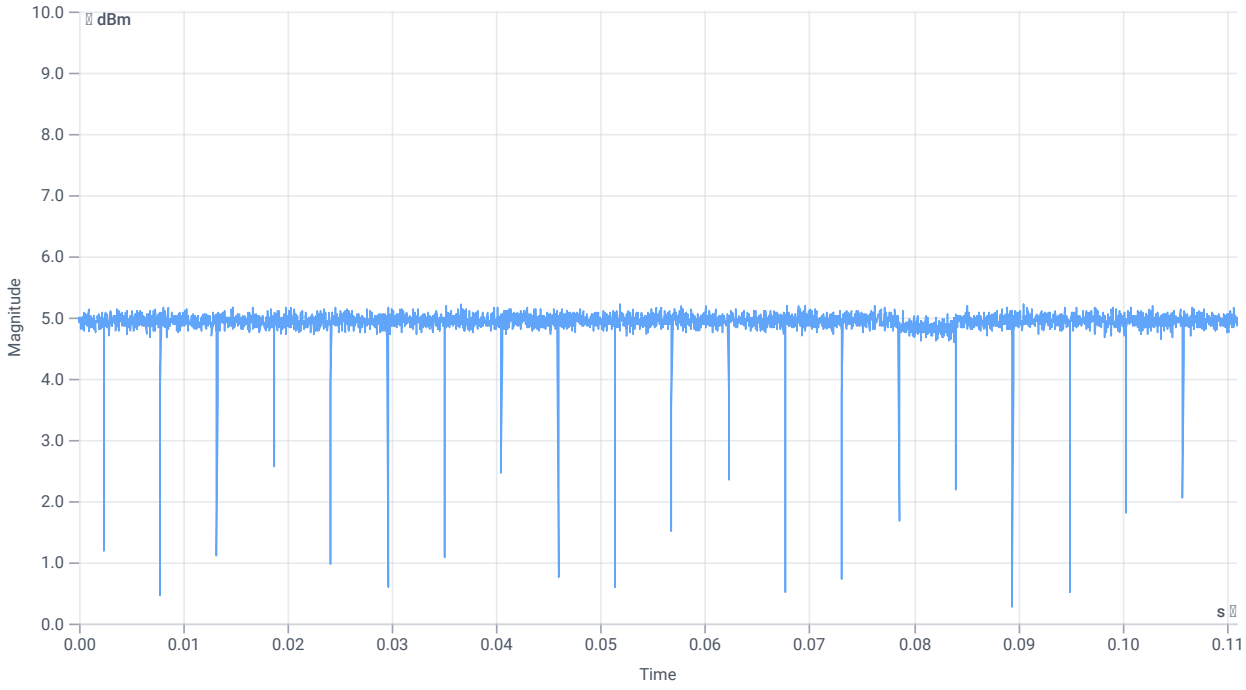
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.55	dBm	INFO
Ref. frequency	---	---	5662.010	MHz	INFO

Evaluation max. duty cycle

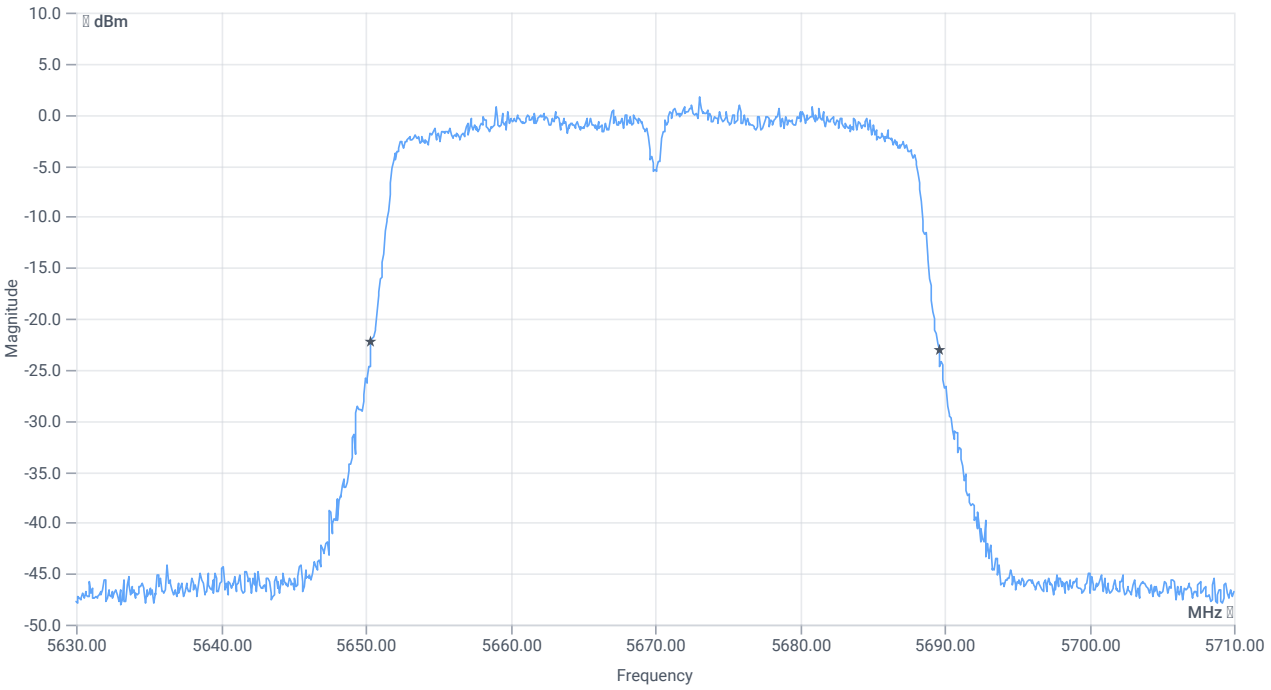
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

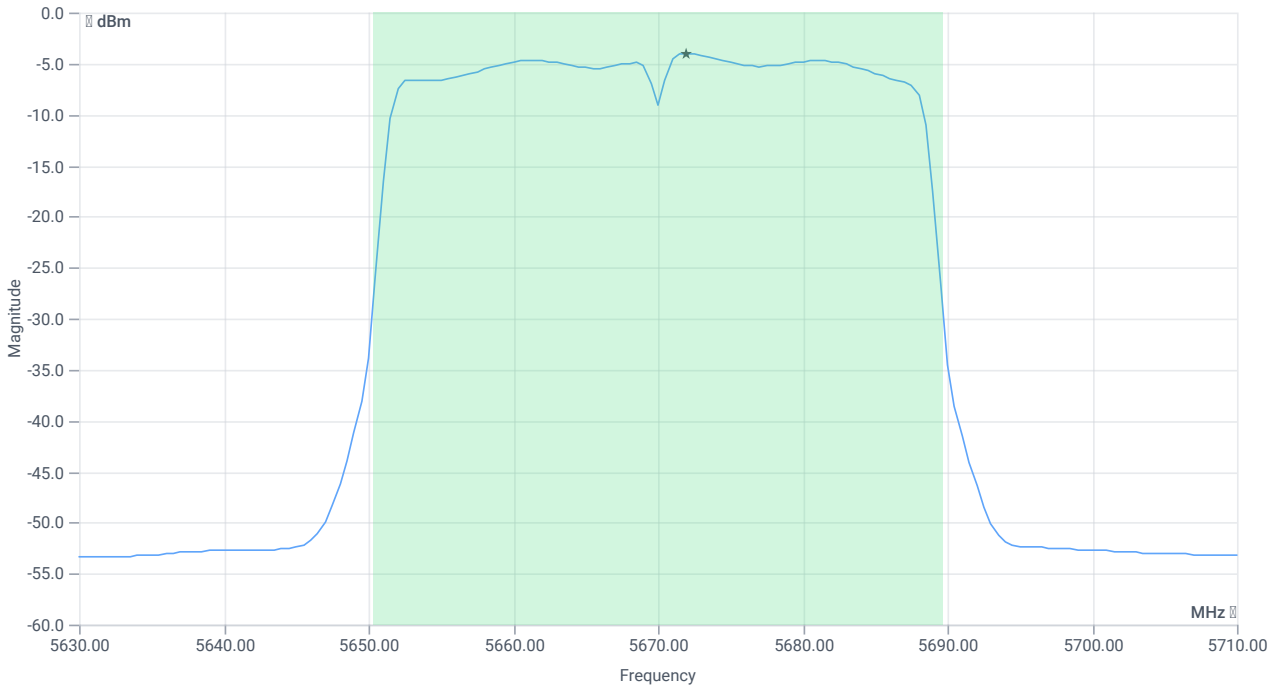
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.2	MHz	INFO
T1 26dB	---	---	5650.4000	MHz	INFO
T2 26dB	---	---	5689.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.55 | 14.22 | 20
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	---	---	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 39.2					
Max output power DC corrected cond	---	26.93	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	---	---	-4.01	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.01	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-2C

References

TC start	25.11.2025 09:46:07
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5670 MHz

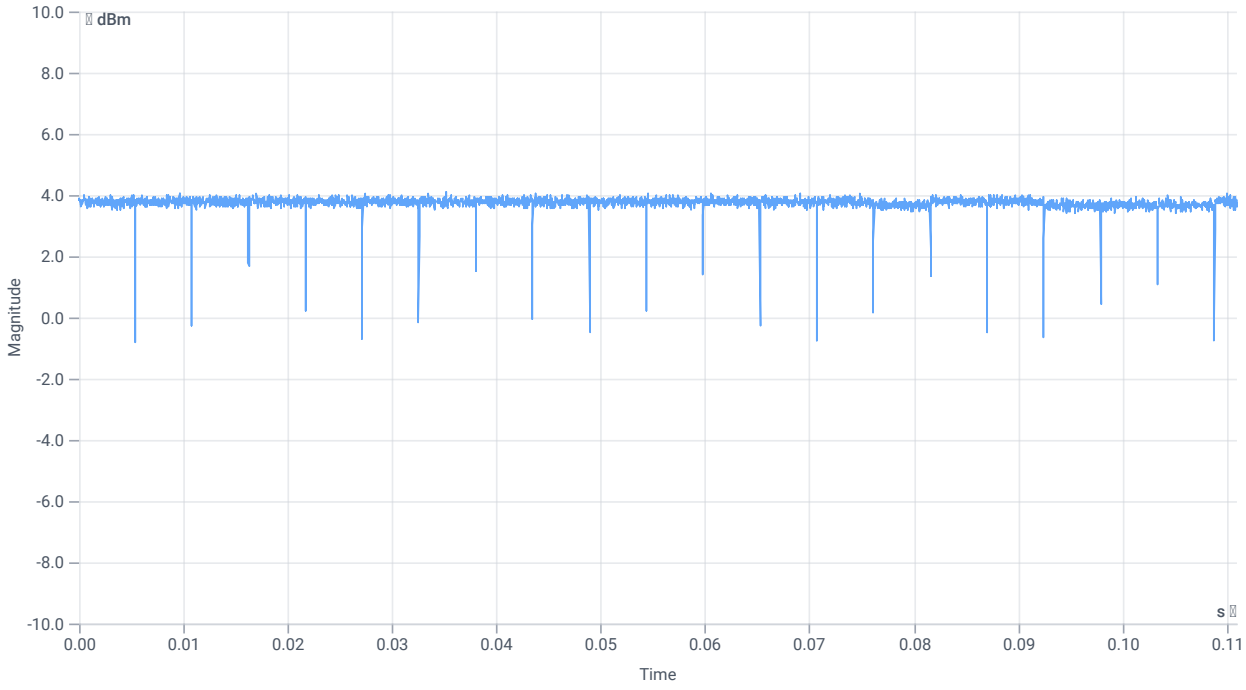
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.54	dBm	INFO
Ref. frequency	---	---	5678.190	MHz	INFO

Evaluation max. duty cycle

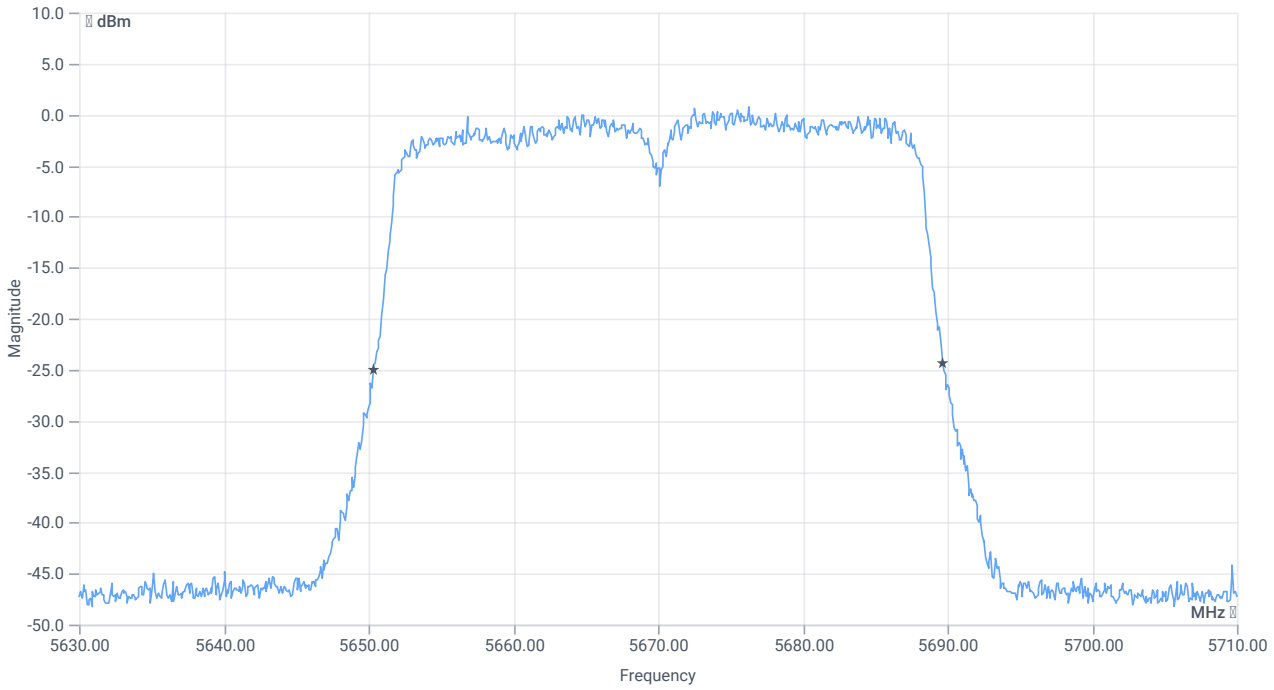
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

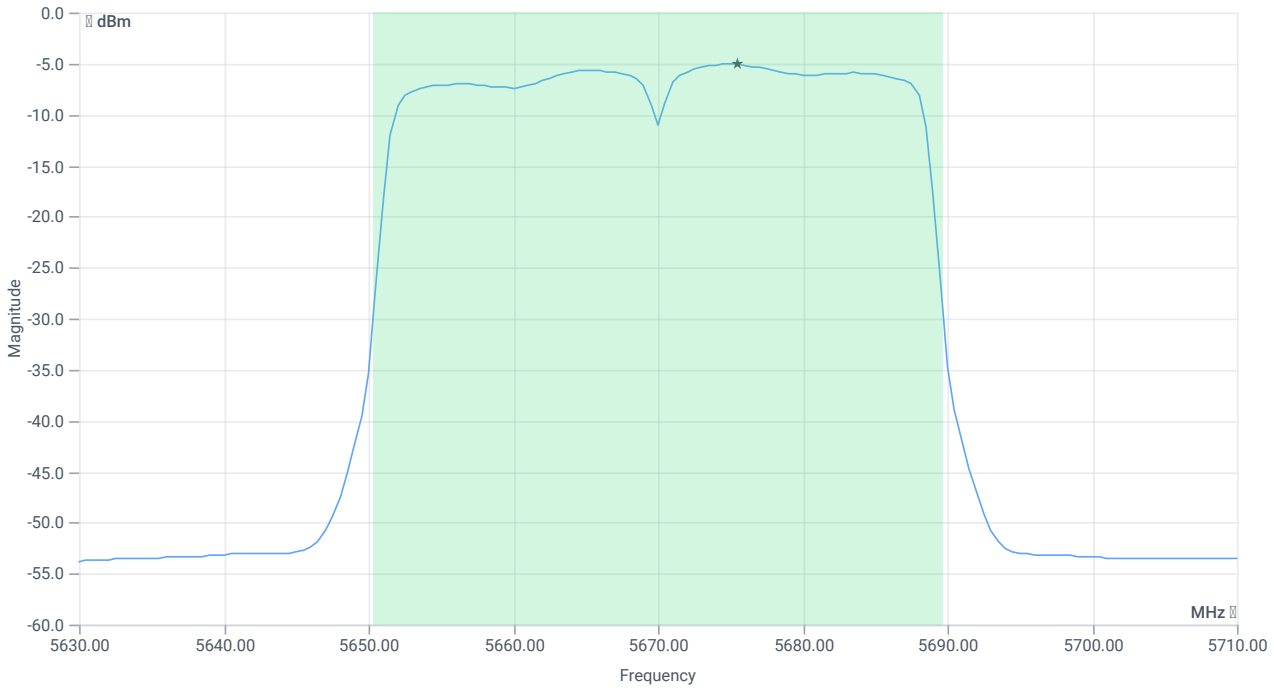
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.36	MHz	INFO
T1 26dB	---	---	5650.3200	MHz	INFO
T2 26dB	---	---	5689.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.54 | 13.99 | 20
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	---	---	8.98	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.98	dBm	PASS
LIMIT: 11 dBm + 10 log 39.36					
Max output power DC corrected cond	---	26.95	8.98	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	8.98	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-5.06	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-5.06	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-1

References

TC start	24.11.2025 09:02:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

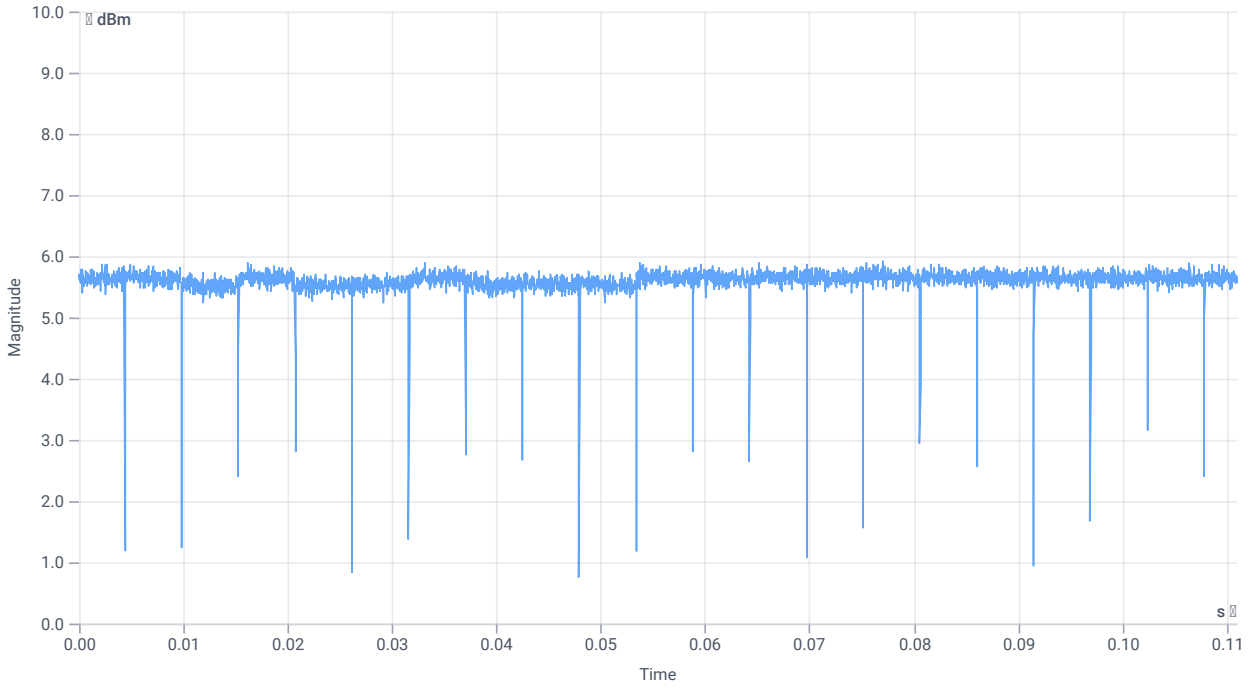
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.99	dBm	INFO
Ref. frequency	---	---	5199.590	MHz	INFO

Evaluation max. duty cycle

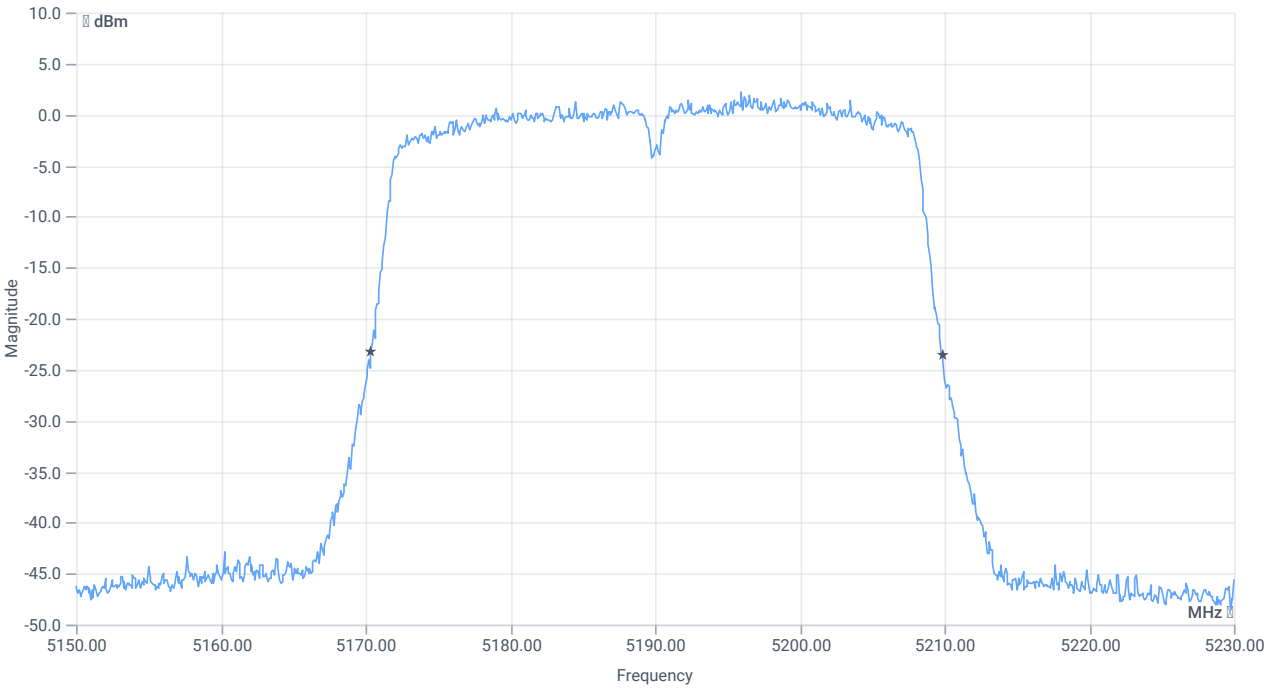
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

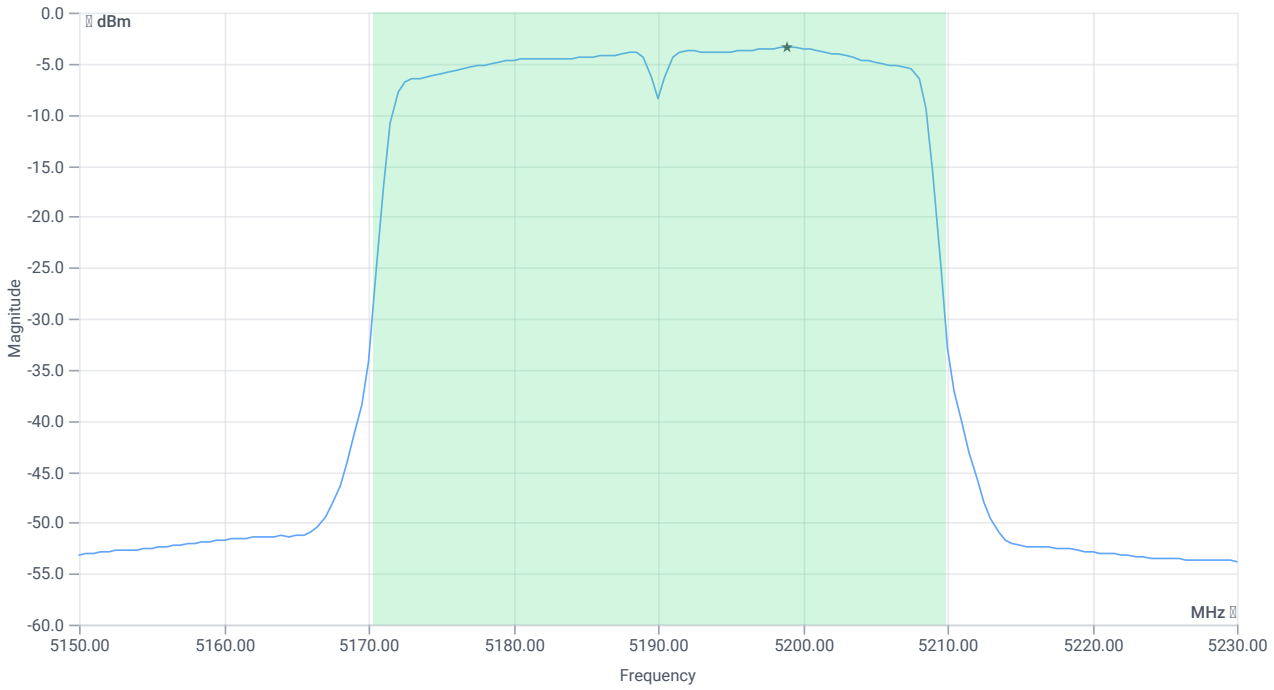
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.44	MHz	INFO
T1 26dB	---	---	5170.4000	MHz	INFO
T2 26dB	---	---	5209.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.99 | 14.16 | 20
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	---	---	10.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.78	dBm	PASS
LIMIT: 11 dBm + 10 log 39.44					
Max output power DC corrected cond	---	26.96	10.78	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.45	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.45	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-1

References

TC start	24.11.2025 09:06:59
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5190 MHz

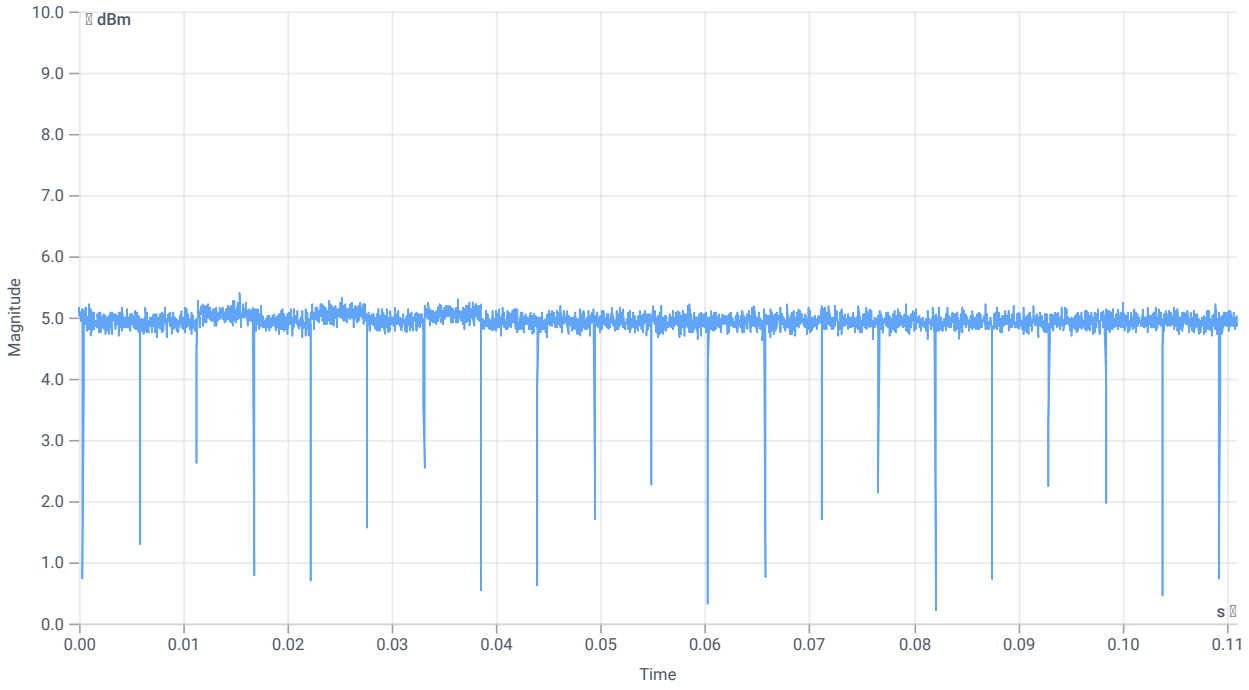
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.78	dBm	INFO
Ref. frequency	---	---	5193.600	MHz	INFO

Evaluation max. duty cycle

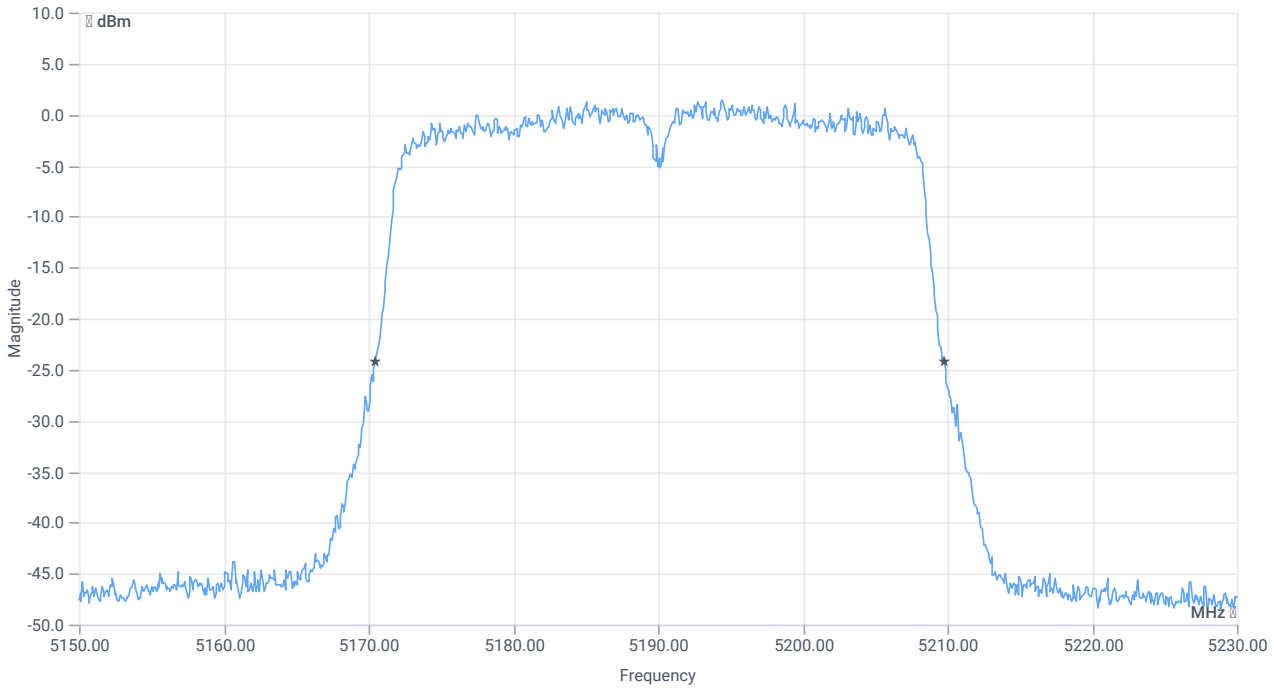
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

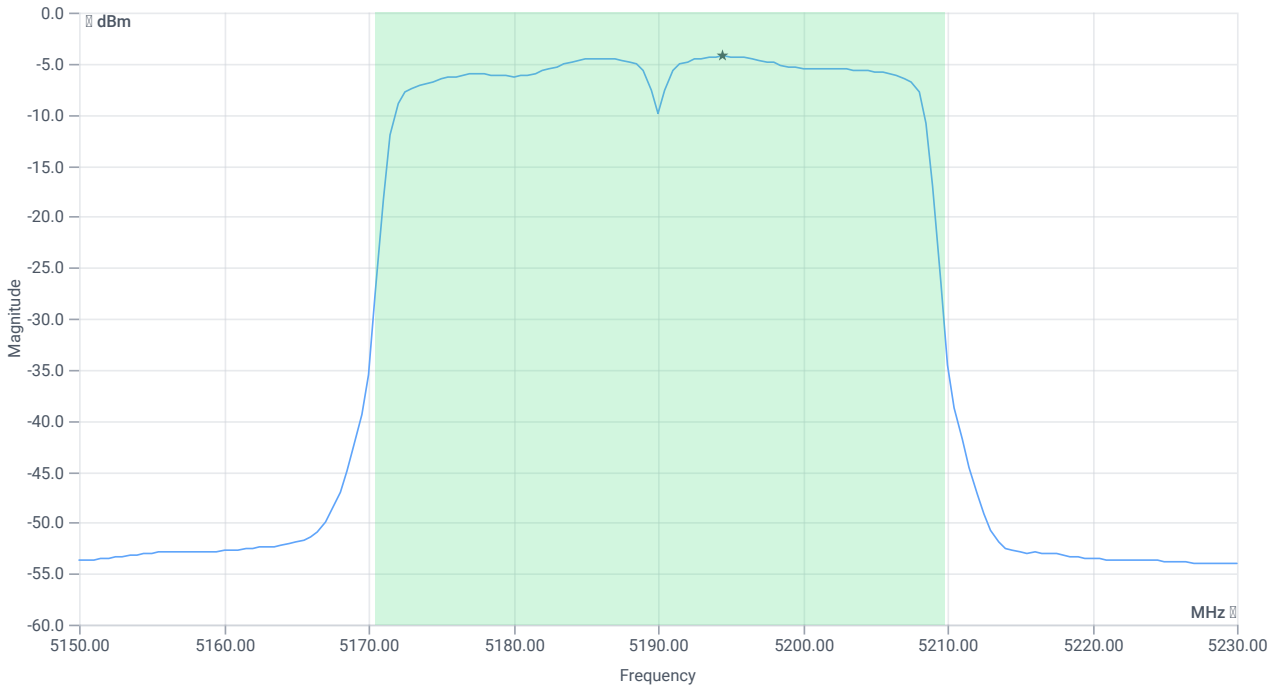
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.28	MHz	INFO
T1 26dB	---	---	5170.4800	MHz	INFO
T2 26dB	---	---	5209.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.78 | 14.04 | 20
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	---	---	9.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.78	dBm	PASS
LIMIT: 11 dBm + 10 log 39.28					
Max output power DC corrected cond	---	26.94	9.78	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.28	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 ac-VHT40 mode U-NII-1

References

TC start	24.11.2025 09:12:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

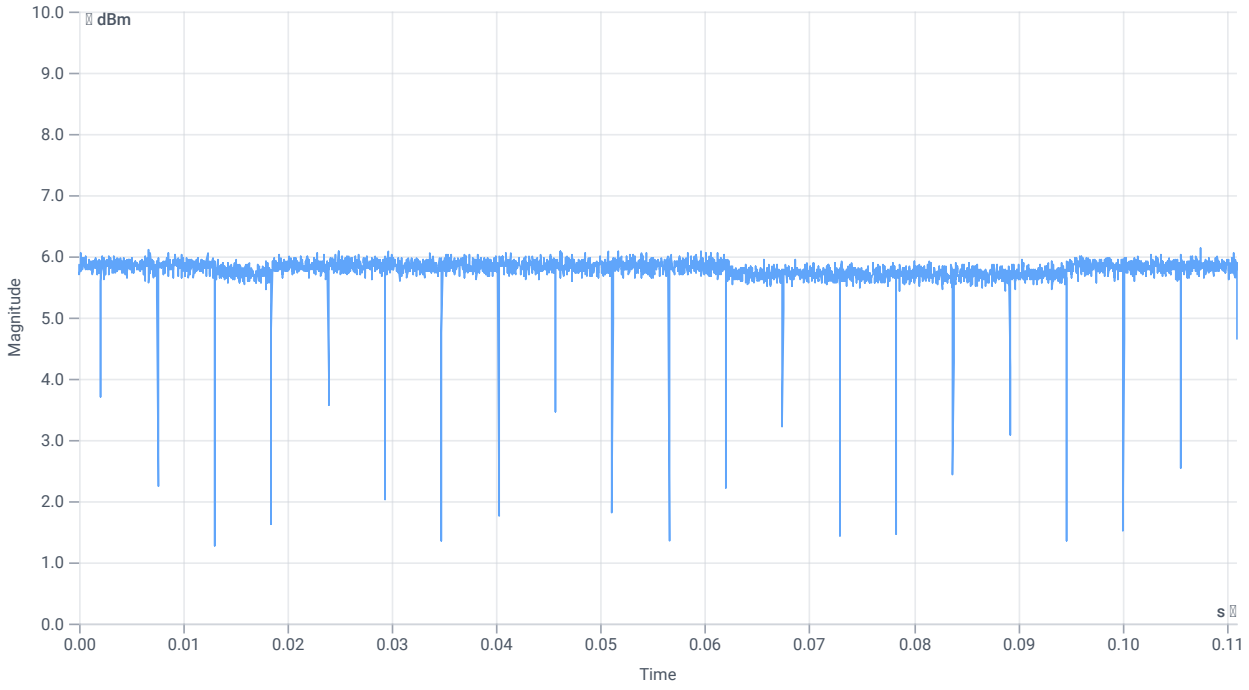
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.51	dBm	INFO
Ref. frequency	---	---	5228.400	MHz	INFO

Evaluation max. duty cycle

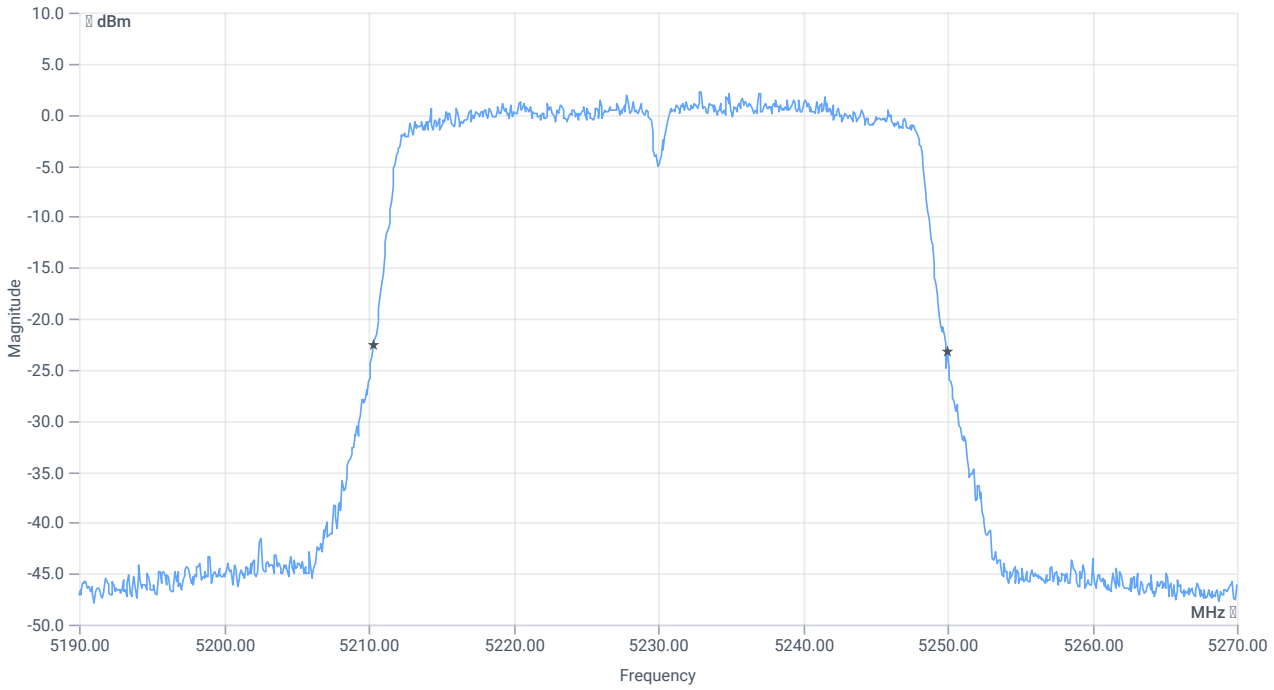
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

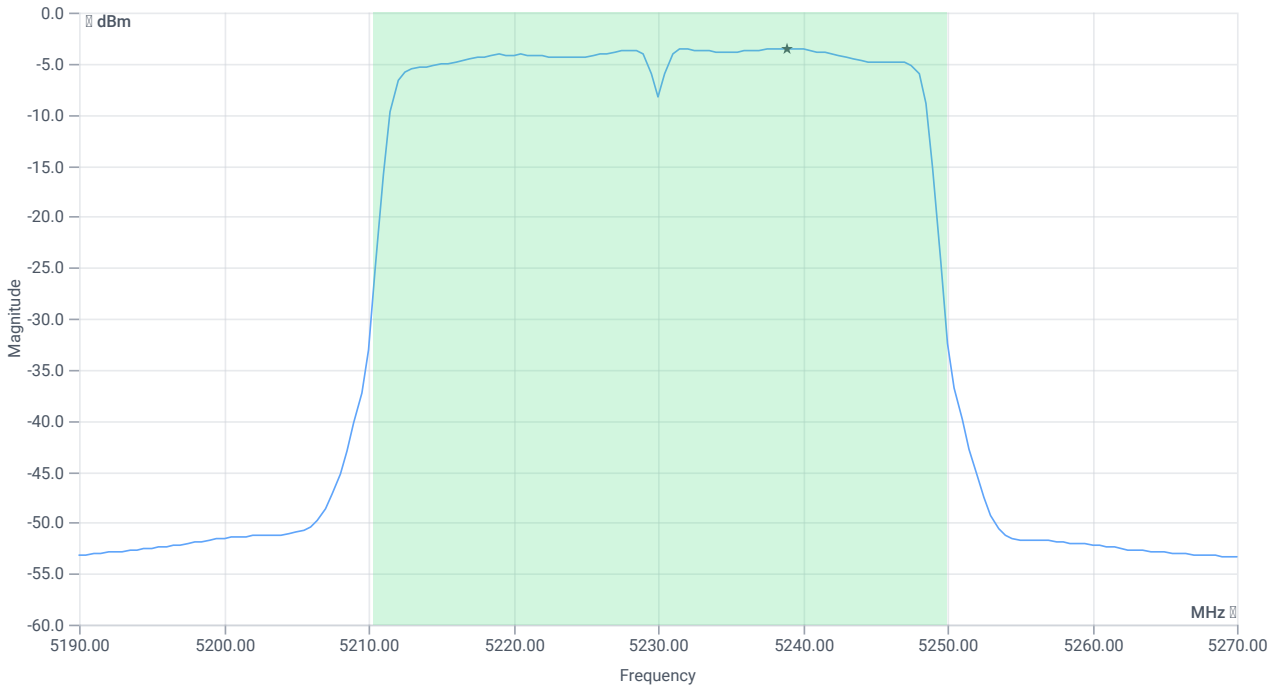
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.68	MHz	INFO
T1 26dB	---	---	5210.3200	MHz	INFO
T2 26dB	---	---	5250.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.51 | 14.38 | 20
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	---	---	11.02	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.02	dBm	PASS
LIMIT: 11 dBm + 10 log 39.68					
Max output power DC corrected cond	---	26.99	11.02	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.52	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.52	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-1

References

TC start	24.11.2025 09:16:59
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5230 MHz

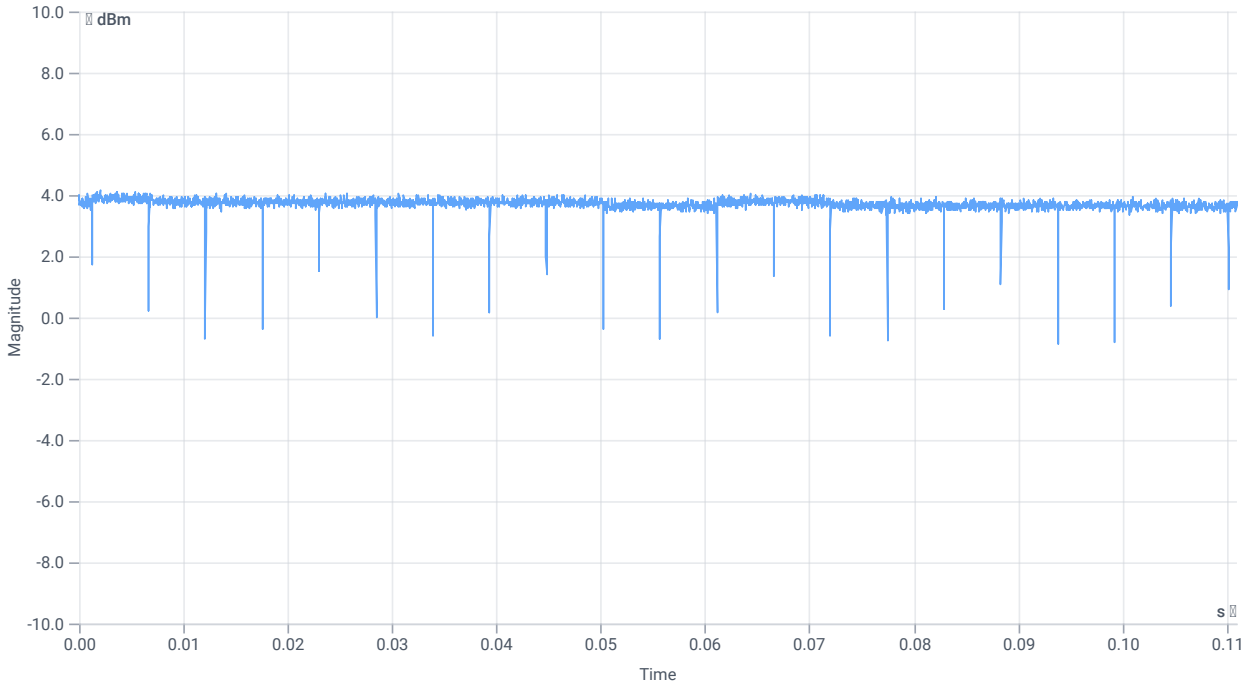
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.71	dBm	INFO
Ref. frequency	---	---	5234.200	MHz	INFO

Evaluation max. duty cycle

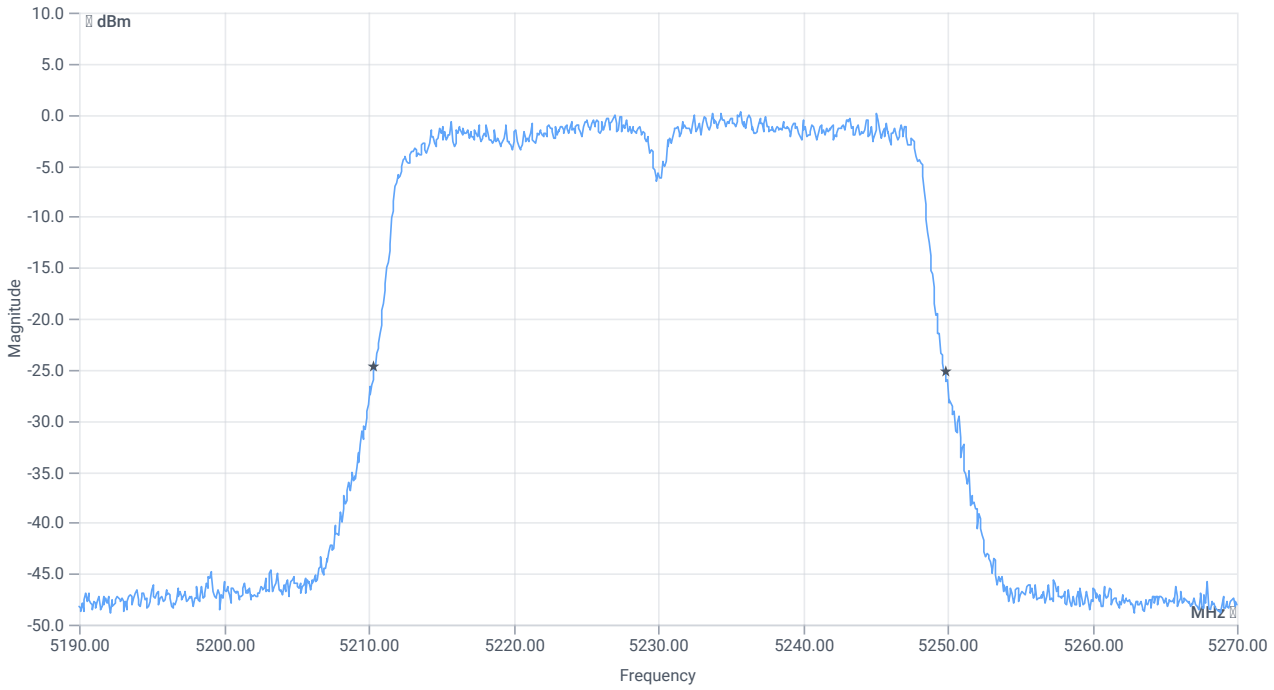
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

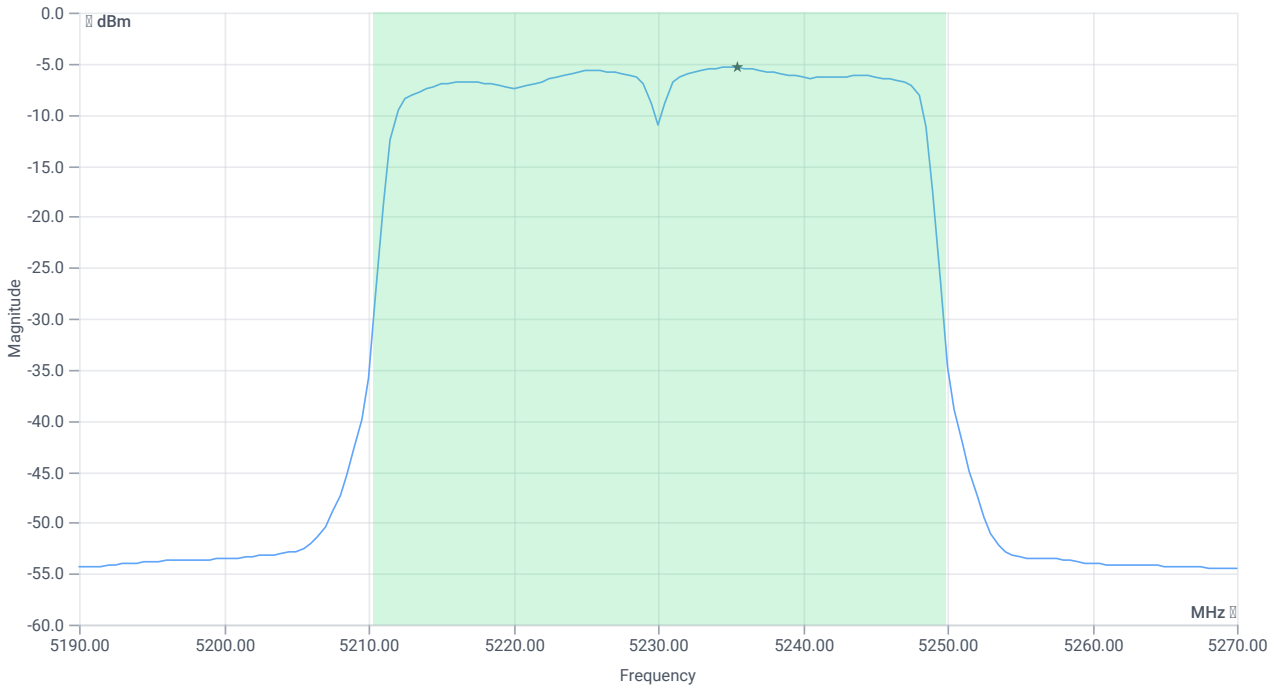
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.44	MHz	INFO
T1 26dB	---	---	5210.4000	MHz	INFO
T2 26dB	---	---	5249.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.71 | 13.51 | 20
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	---	---	8.86	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.86	dBm	PASS
LIMIT: 11 dBm + 10 log 39.44					
Max output power DC corrected cond	---	26.96	8.86	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-5.36	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-5.36	dBm/1MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:22:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

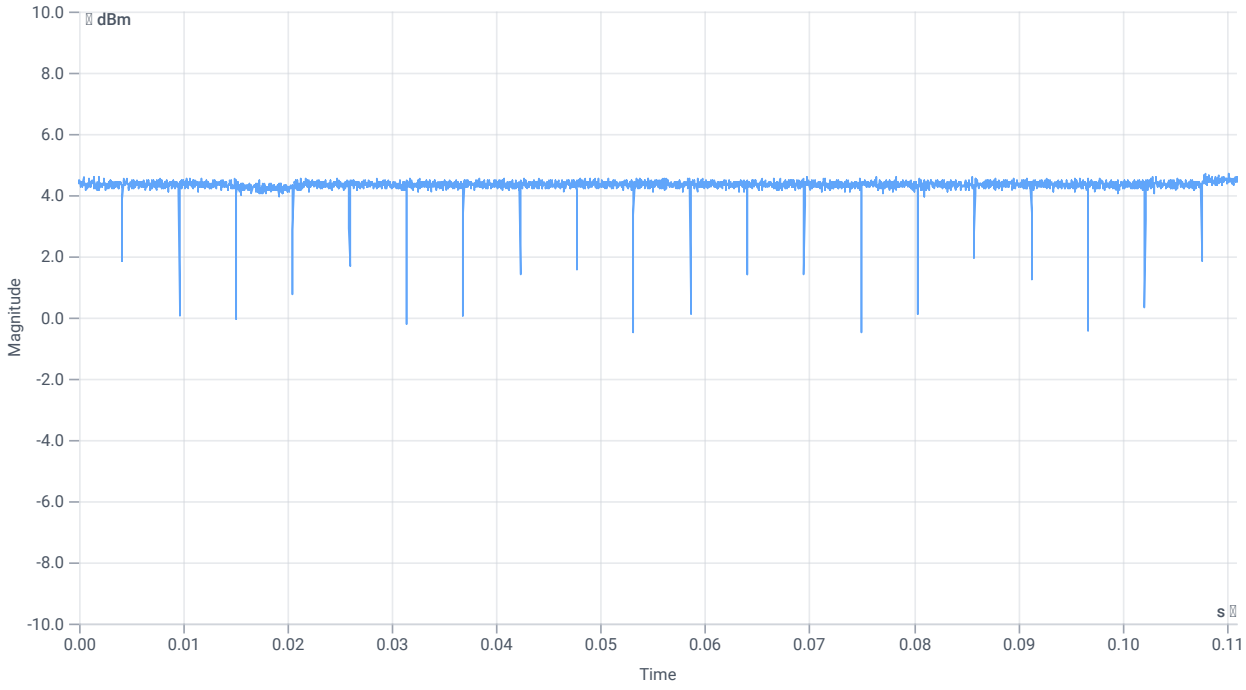
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.26	dBm	INFO
Ref. frequency	---	---	5747.810	MHz	INFO

Evaluation max. duty cycle

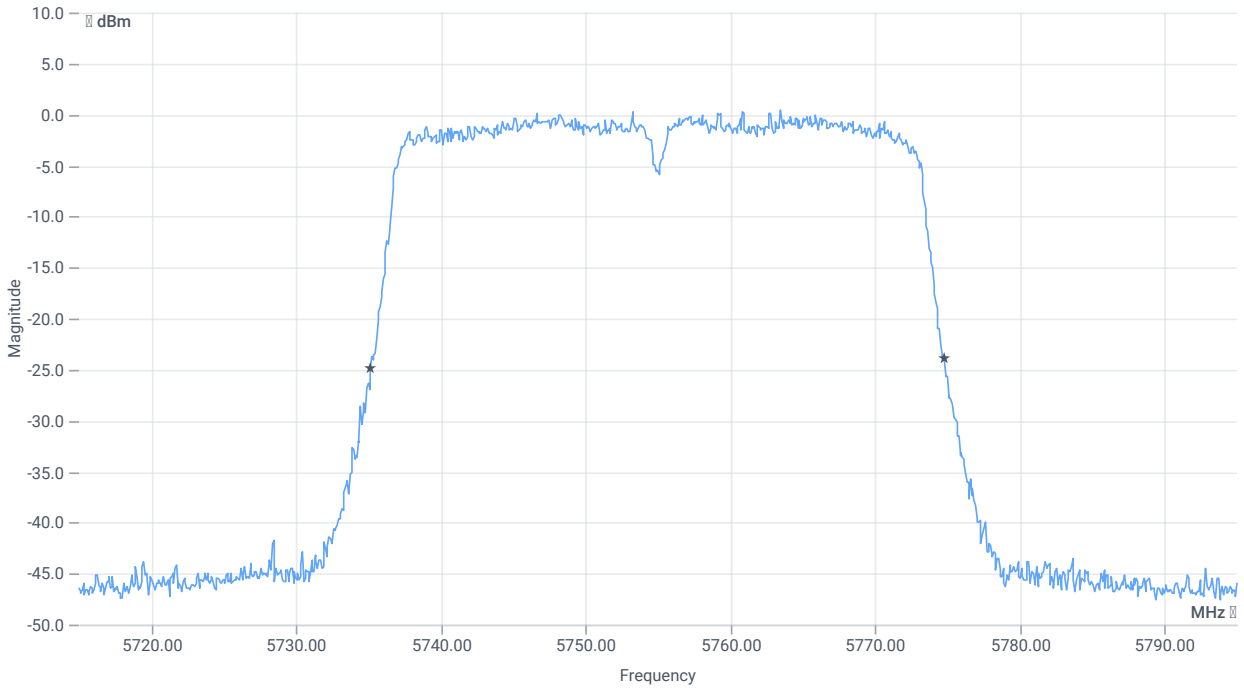
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

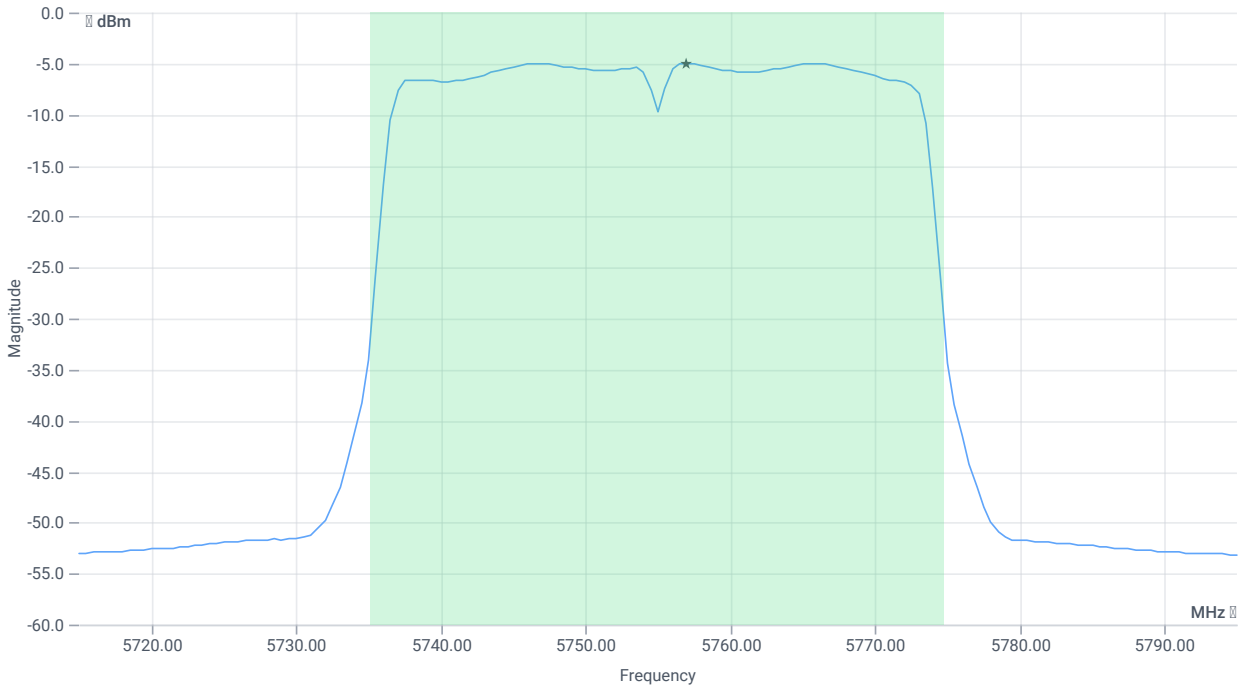
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO
T1 26dB	---	---	5735.1600	MHz	INFO
T2 26dB	---	---	5774.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.26 | 13.98 | 20
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

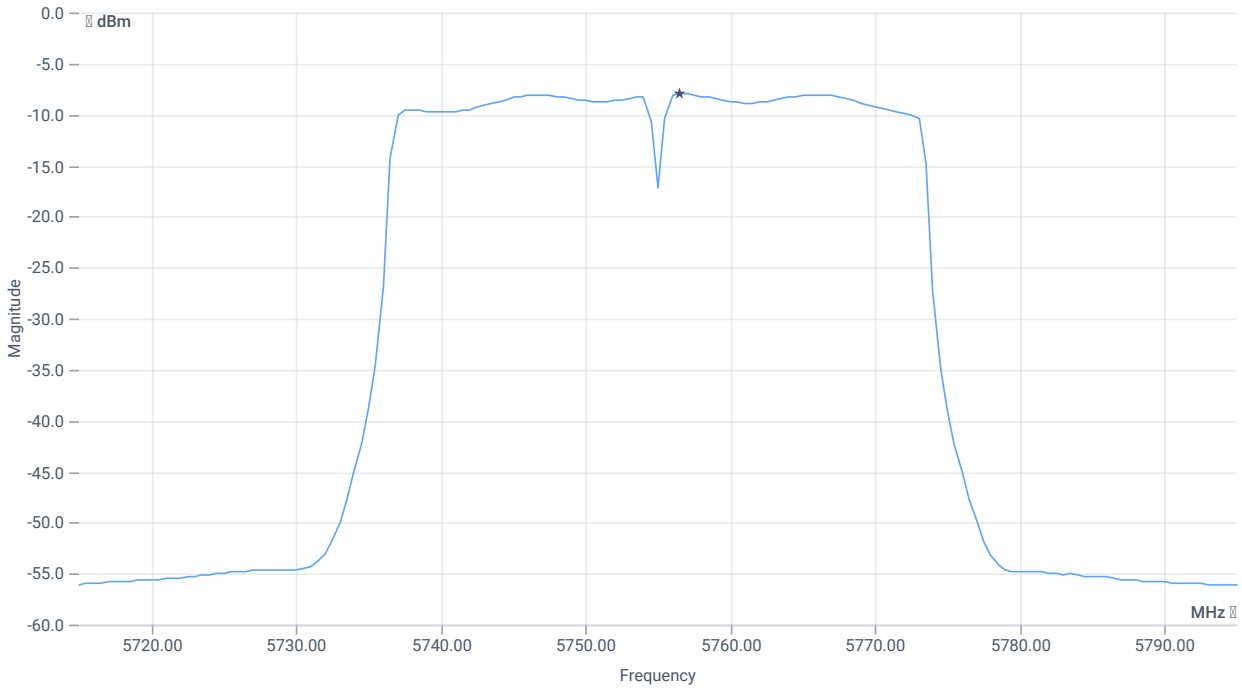
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.55	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.55	dBm	PASS
LIMIT: 11 dBm + 10 log 39.6					
Max output power DC corrected cond	---	26.98	9.55	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.26 | 13.98 | 20
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	---	---	-7.93	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.93	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:29:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

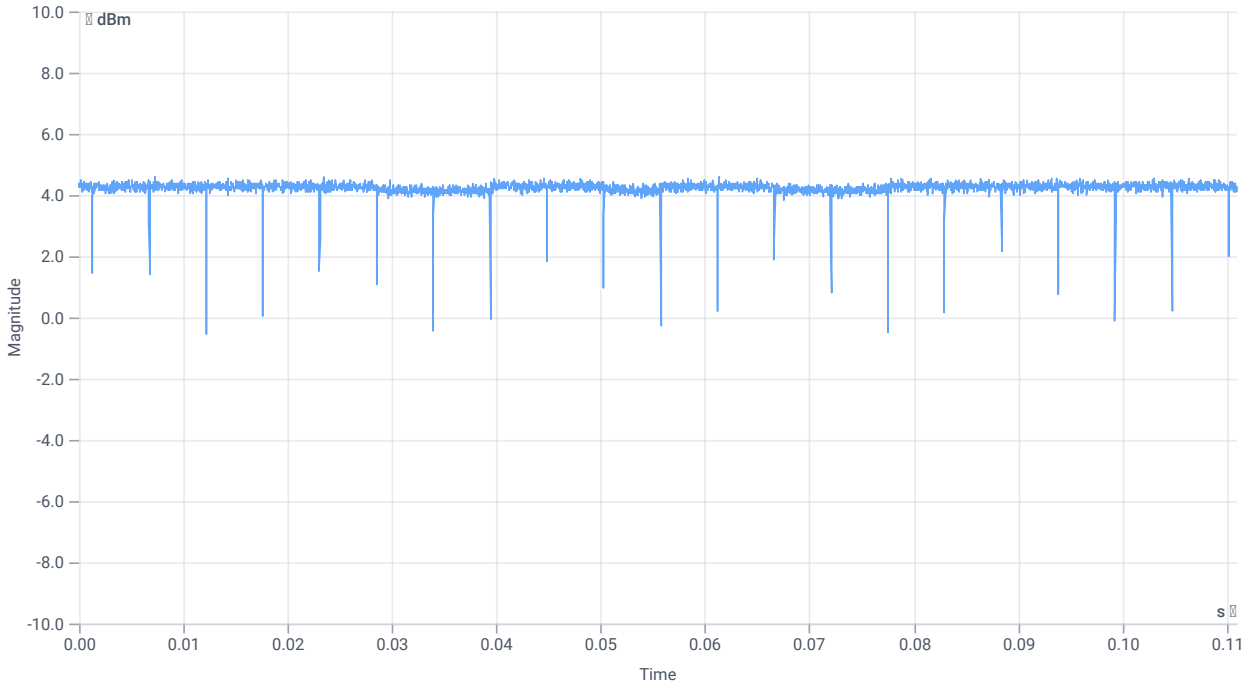
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.01	dBm	INFO
Ref. frequency	---	---	5759.400	MHz	INFO

Evaluation max. duty cycle

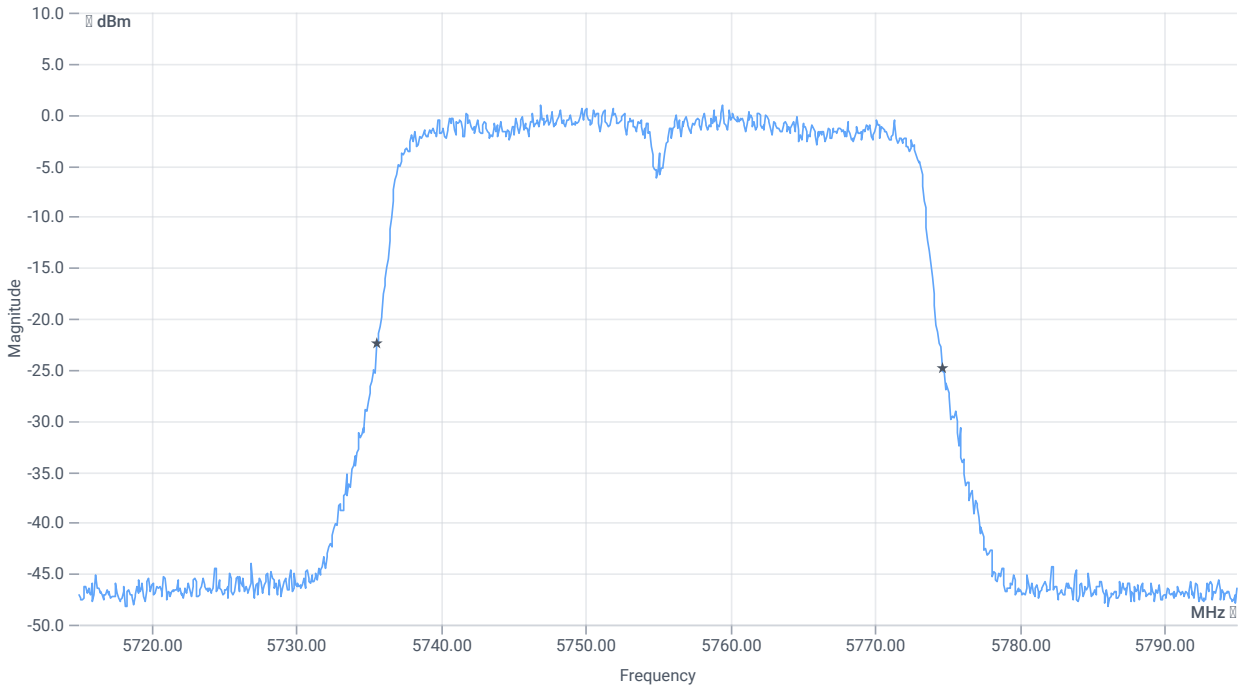
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

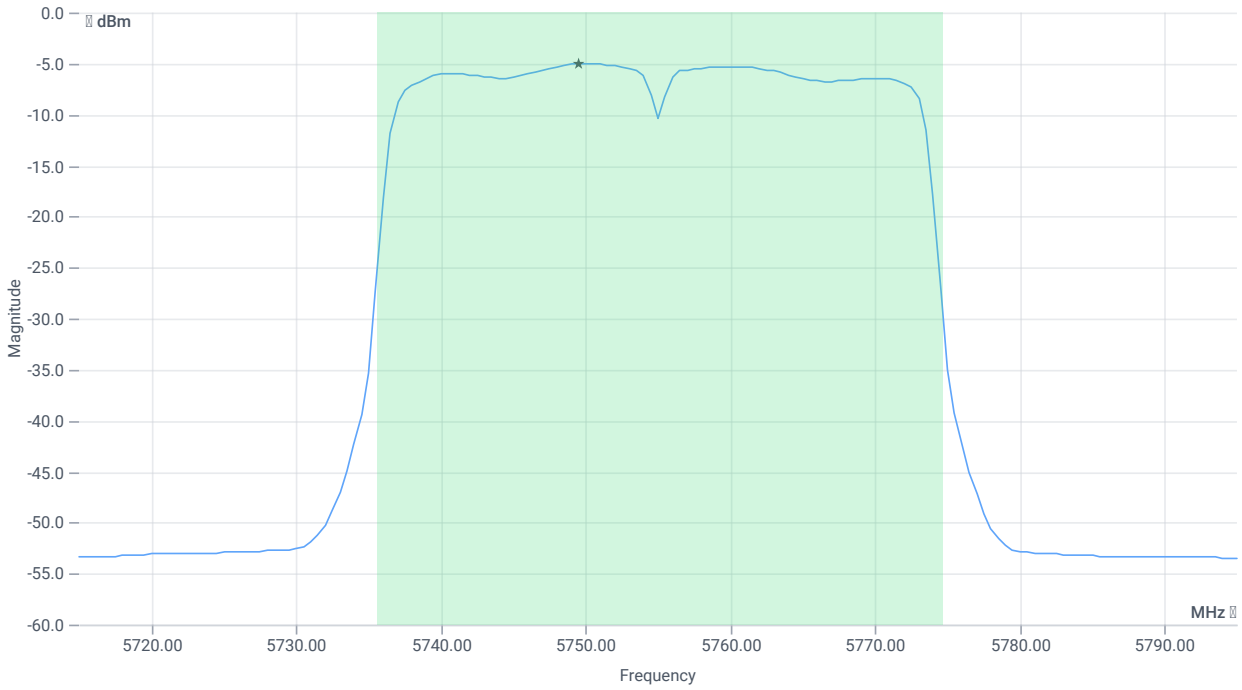
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.04	MHz	INFO
T1 26dB	---	---	5735.5600	MHz	INFO
T2 26dB	---	---	5774.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.01 | 13.94 | 20
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

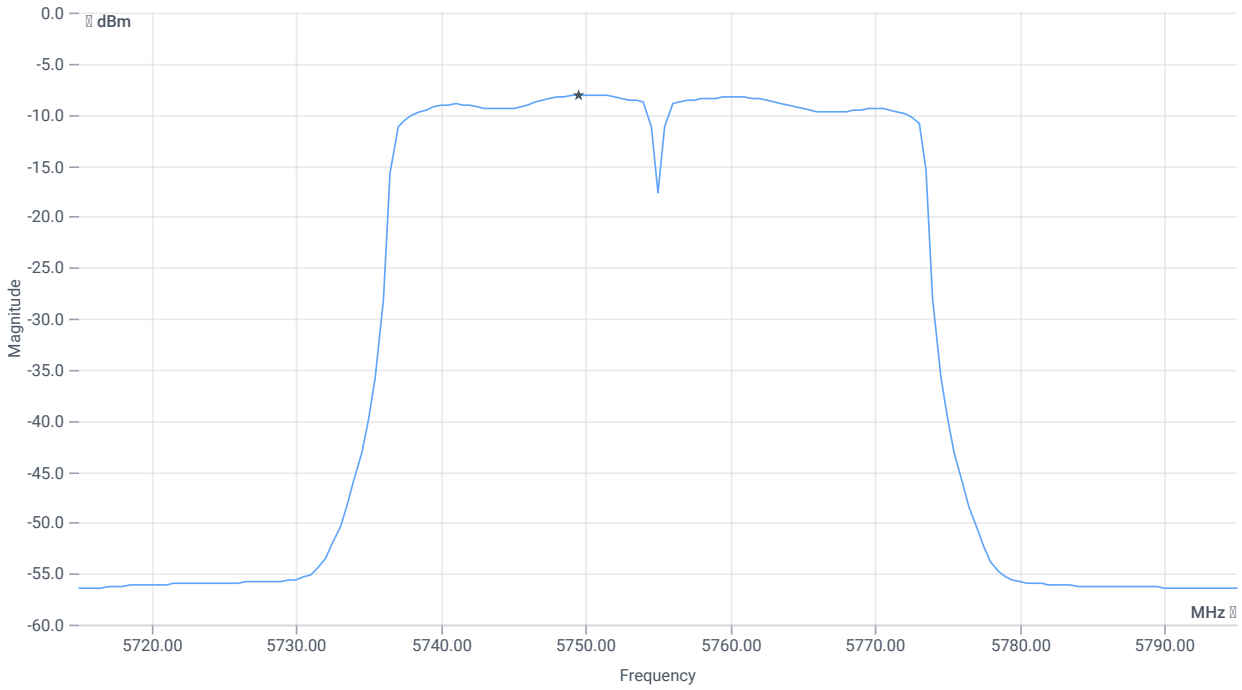
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.27	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.27	dBm	PASS
LIMIT: 11 dBm + 10 log 39.04					
Max output power DC corrected cond	---	26.92	9.27	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.01 | 13.94 | 20
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	---	---	-8.04	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-8.04	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:42:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

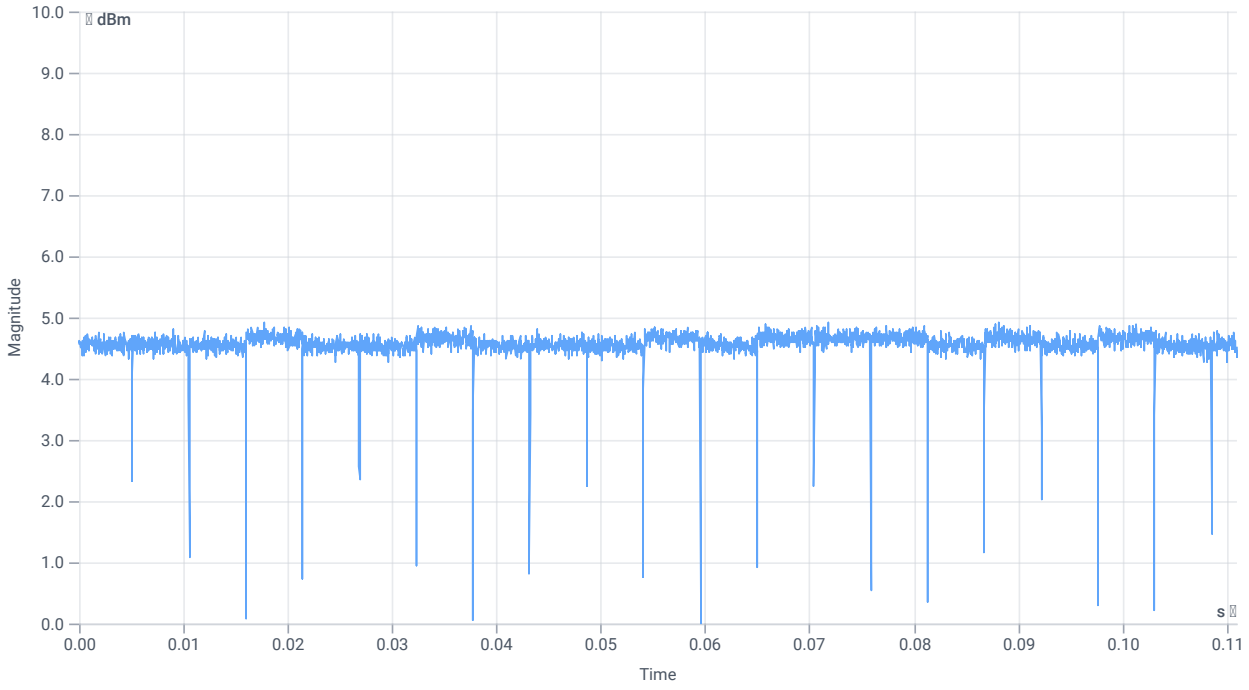
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.53	dBm	INFO
Ref. frequency	---	---	5785.210	MHz	INFO

Evaluation max. duty cycle

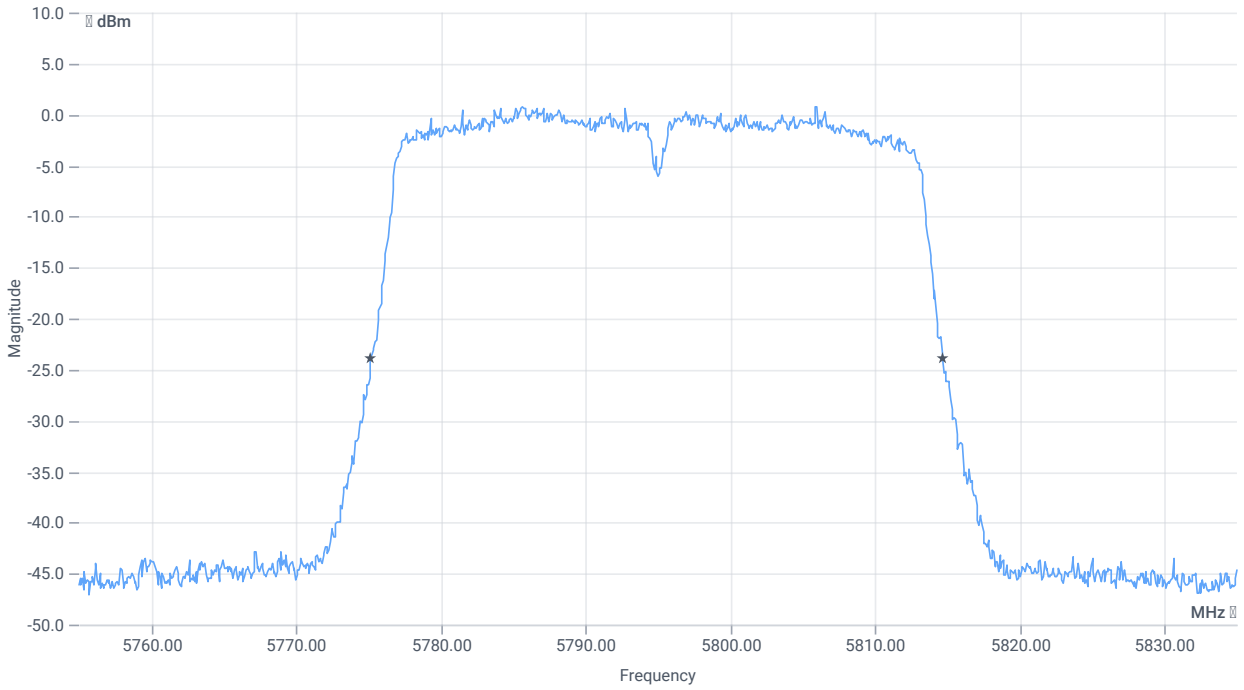
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

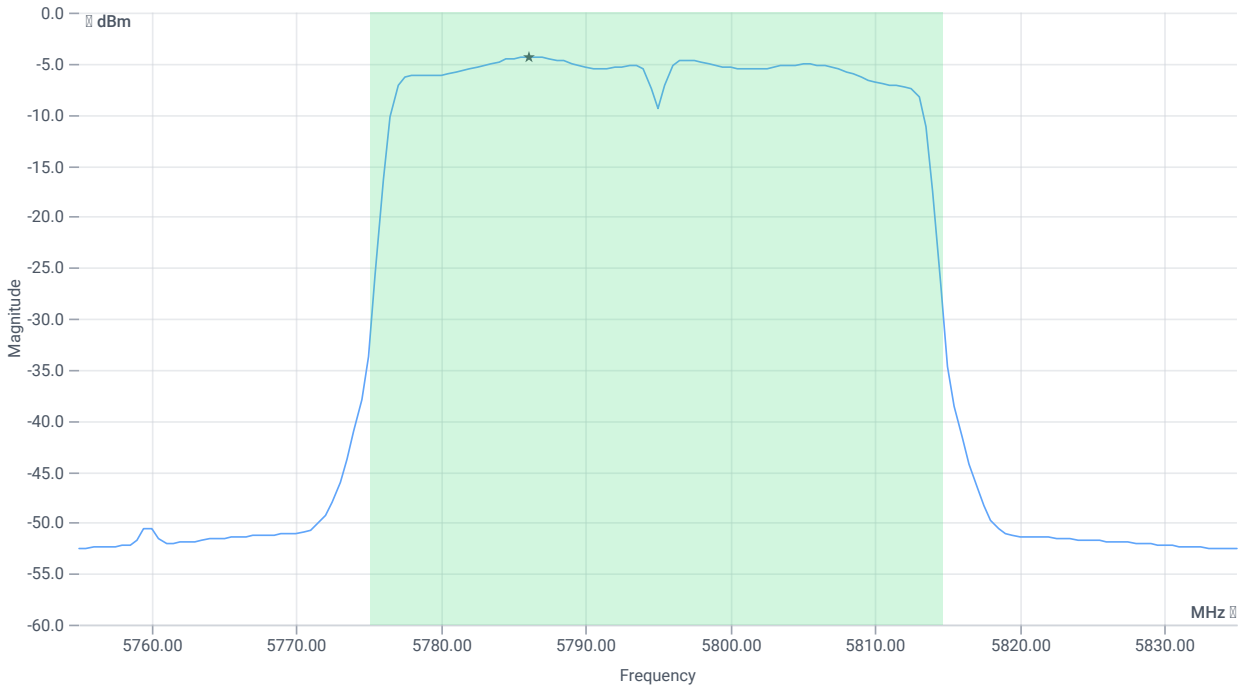
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.52	MHz	INFO
T1 26dB	---	---	5775.1600	MHz	INFO
T2 26dB	---	---	5814.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.53 | 14.49 | 20
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

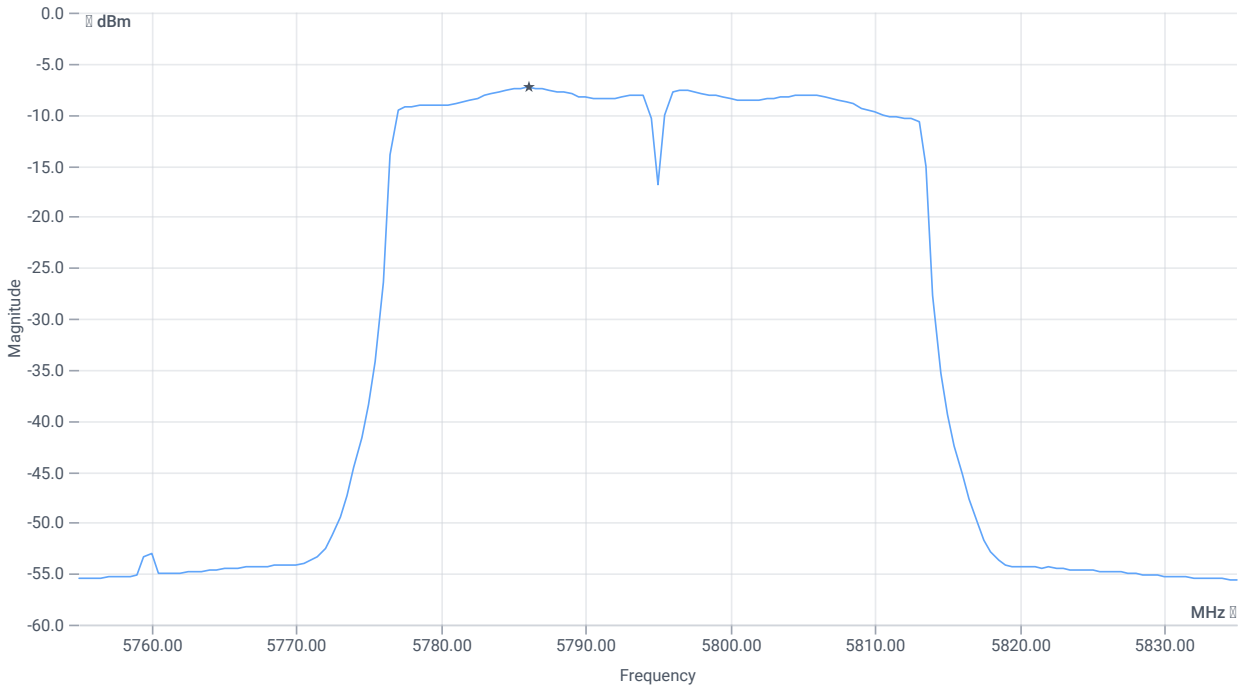
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.82	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.82	dBm	PASS
LIMIT: 11 dBm + 10 log 39.52					
Max output power DC corrected cond	---	26.97	9.82	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.53 | 14.49 | 20
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	---	---	-7.35	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.35	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:50:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

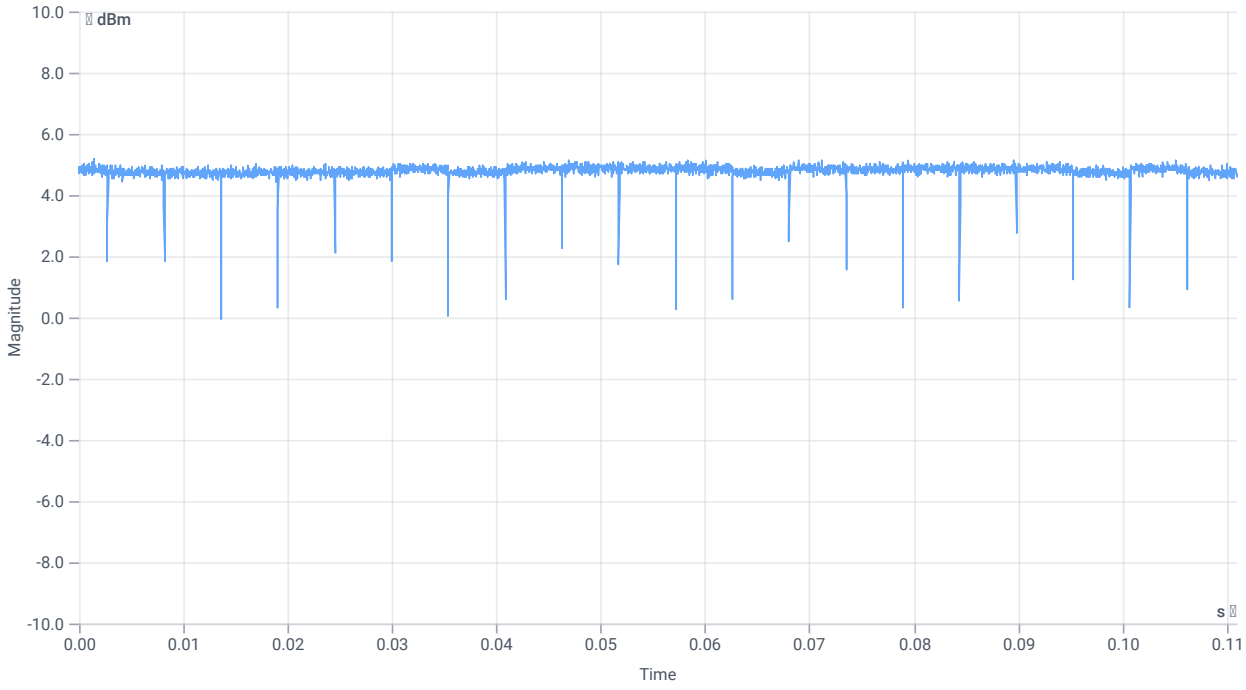
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.46	dBm	INFO
Ref. frequency	---	---	5800.790	MHz	INFO

Evaluation max. duty cycle

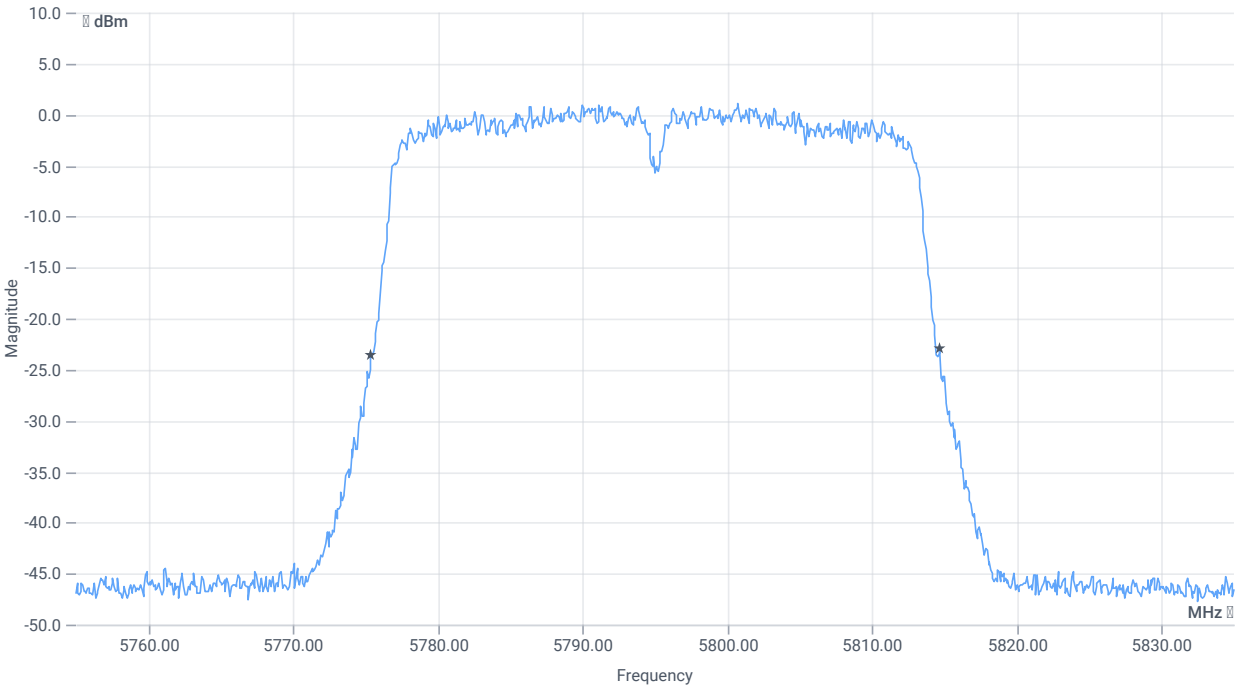
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

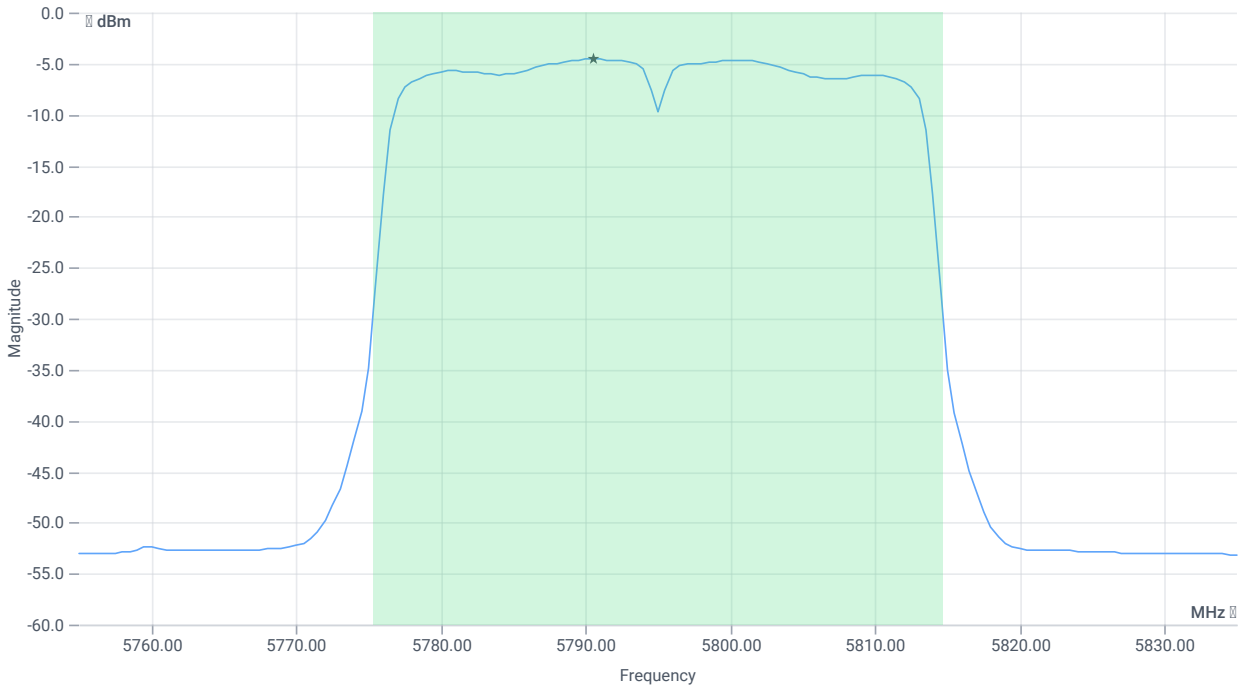
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.28	MHz	INFO
T1 26dB	---	---	5775.4000	MHz	INFO
T2 26dB	---	---	5814.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.46 | 14.3 | 20
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

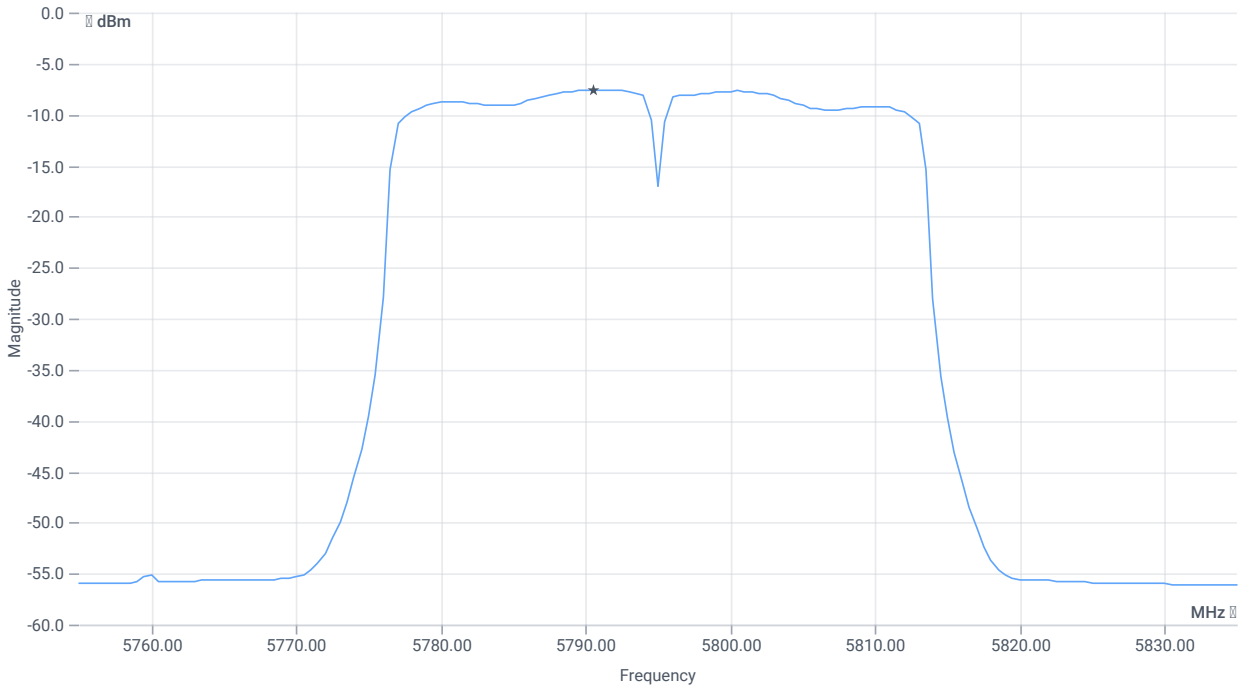
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.67	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.67	dBm	PASS
LIMIT: 11 dBm + 10 log 39.28					
Max output power DC corrected cond	---	26.94	9.67	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.46 | 14.3 | 20
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	---	---	-7.57	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.57	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:28:21
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

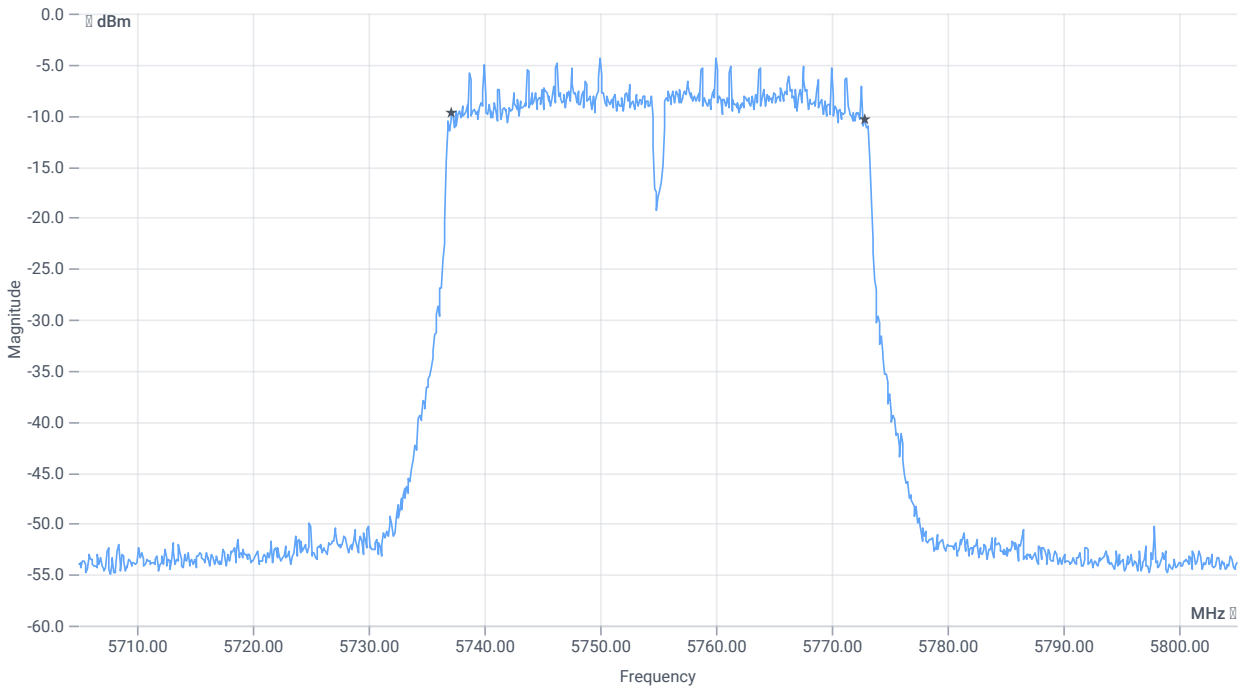
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.89	dBm	INFO
Ref. frequency	---	---	5753.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.89 | 13.98 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.6	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:35:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

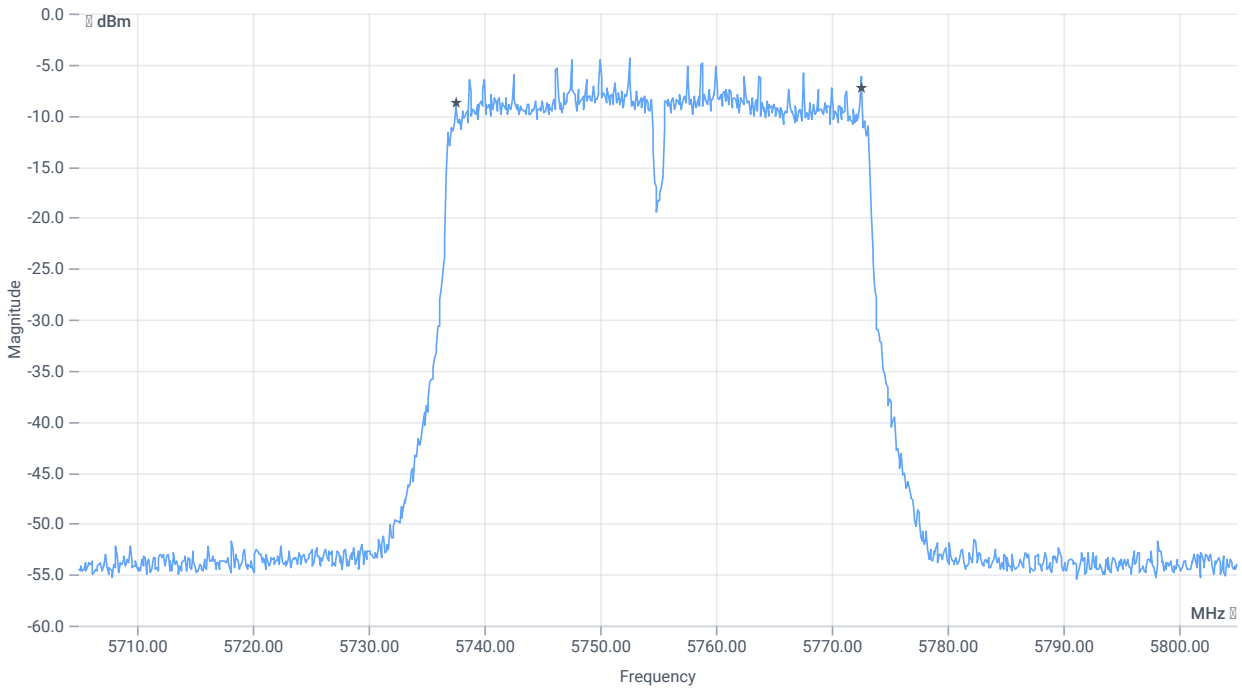
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.75	dBm	INFO
Ref. frequency	---	---	5757.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.75 | 13.94 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.1	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:48:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

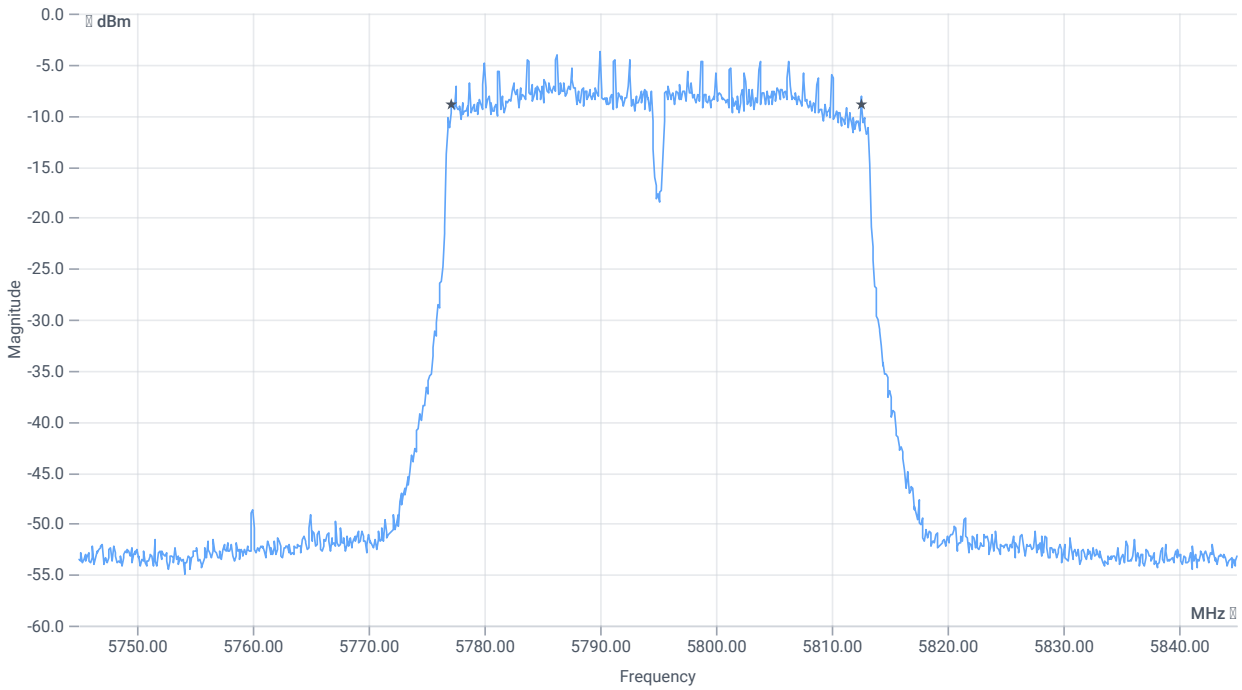
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.43	dBm	INFO
Ref. frequency	---	---	5785.010	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.43 | 14.49 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.4	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ac-VHT40 mode U-NII-3

References

TC start	24.11.2025 09:56:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ac-VHT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ac-VHT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

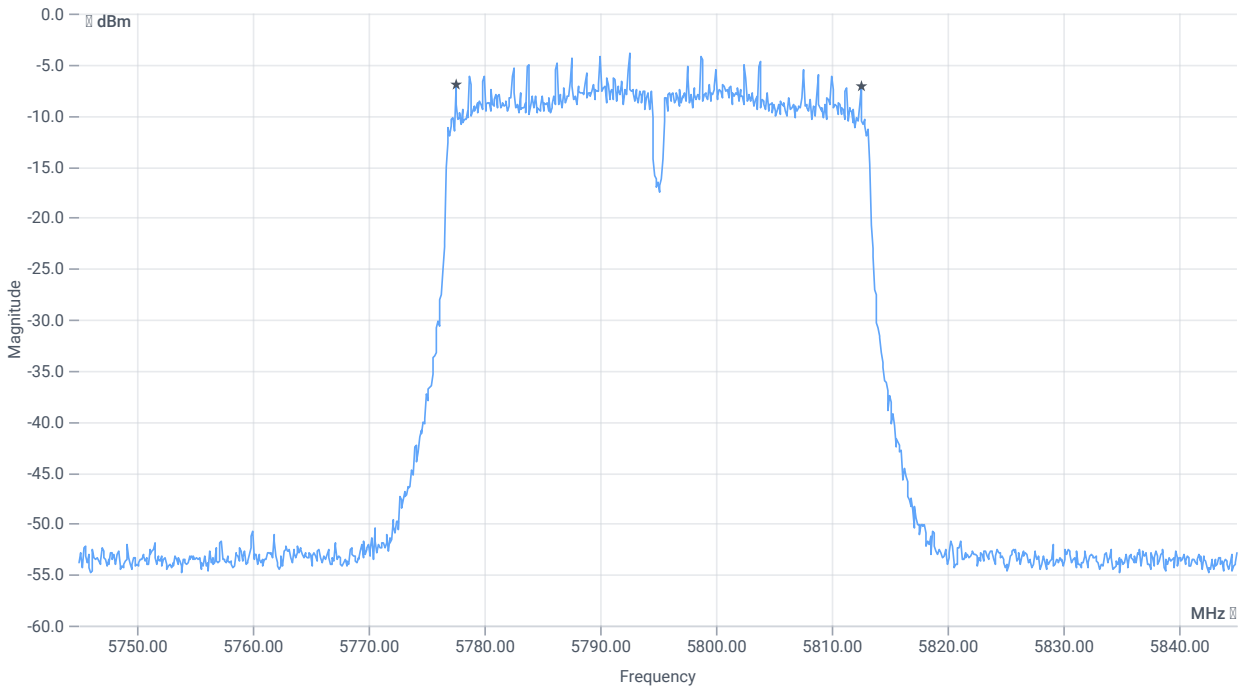
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.64	dBm	INFO
Ref. frequency	---	---	5791.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.64 | 14.3 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	25.11.2025 09:57:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

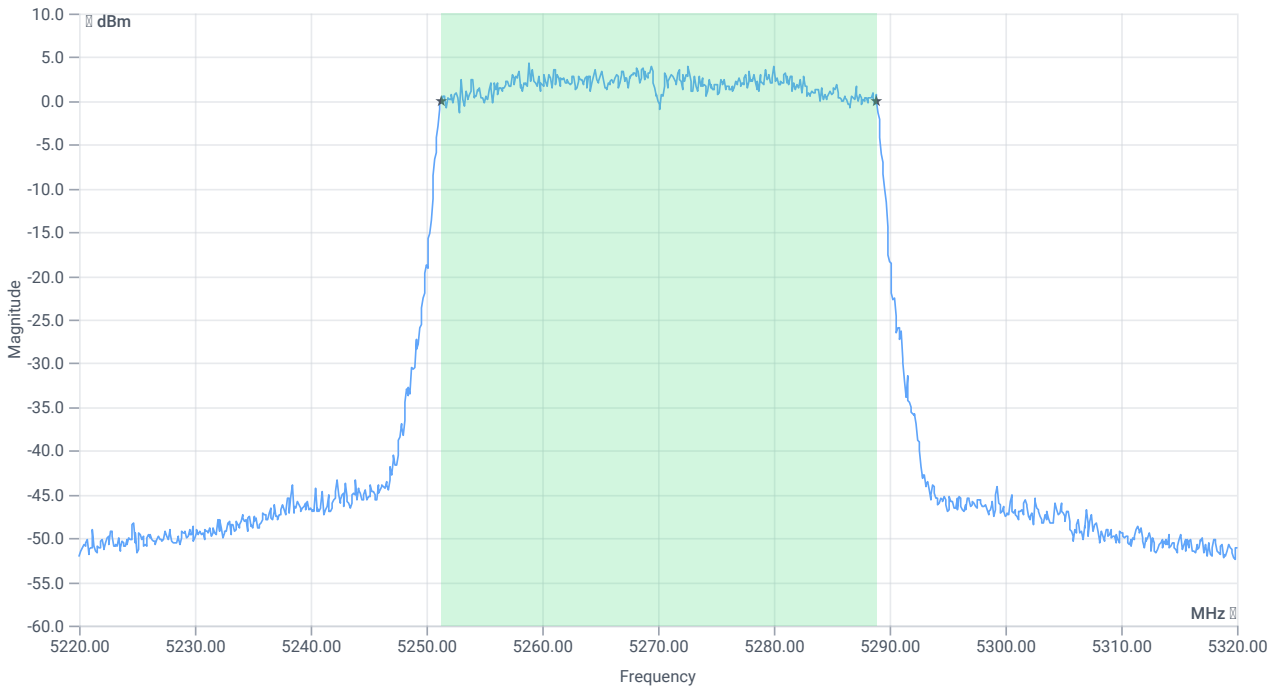
Test at TX 5270 MHz

RESULT: Reference power cond.

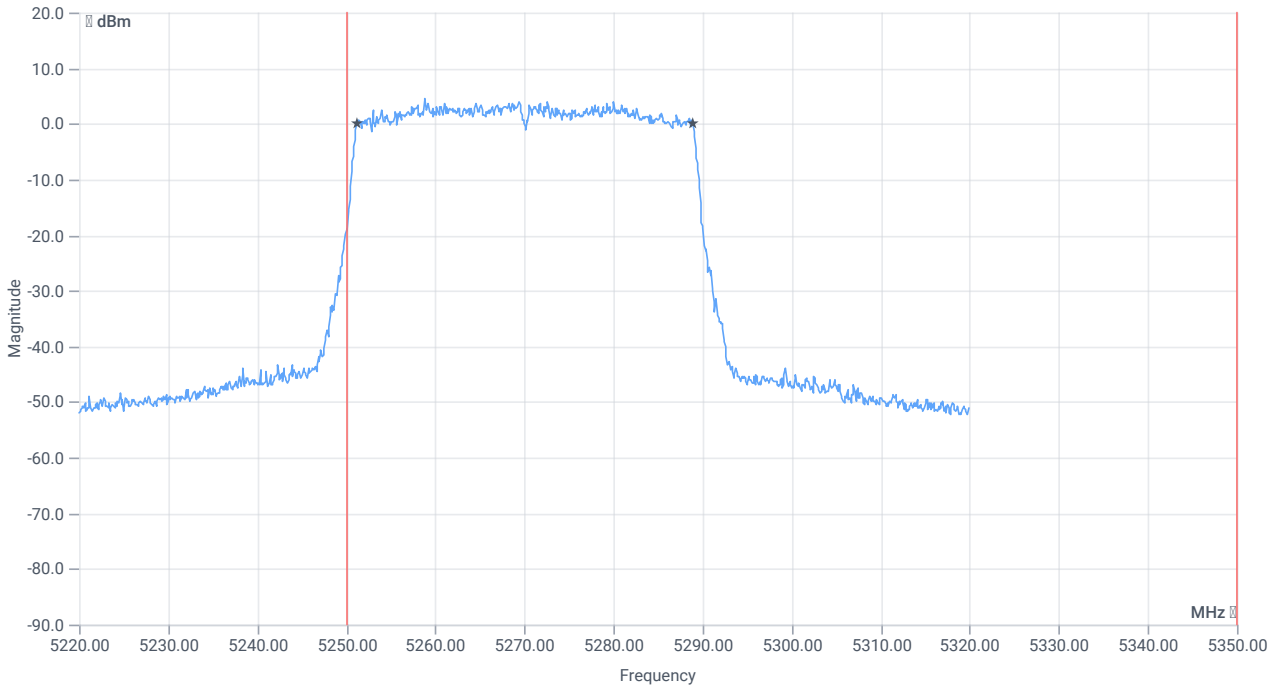
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.19	dBm	INFO
Ref. frequency	---	---	5278.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.19 | 13.73 | 15
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



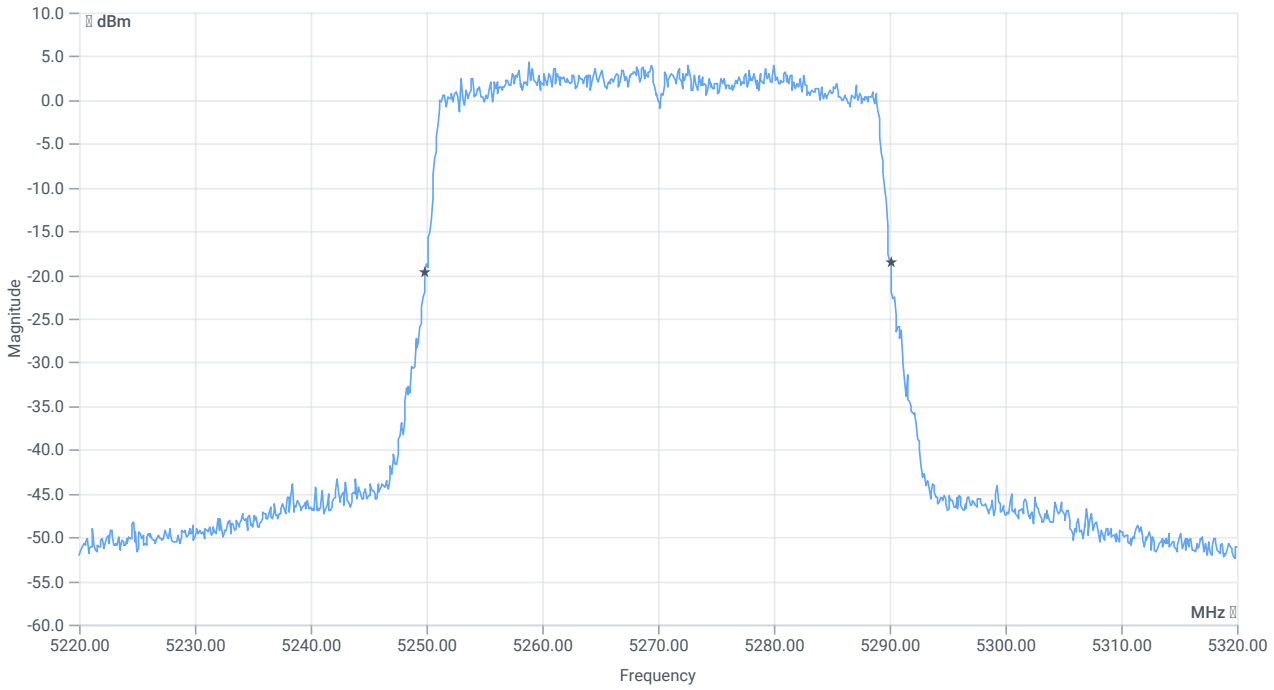
BW 99PCT



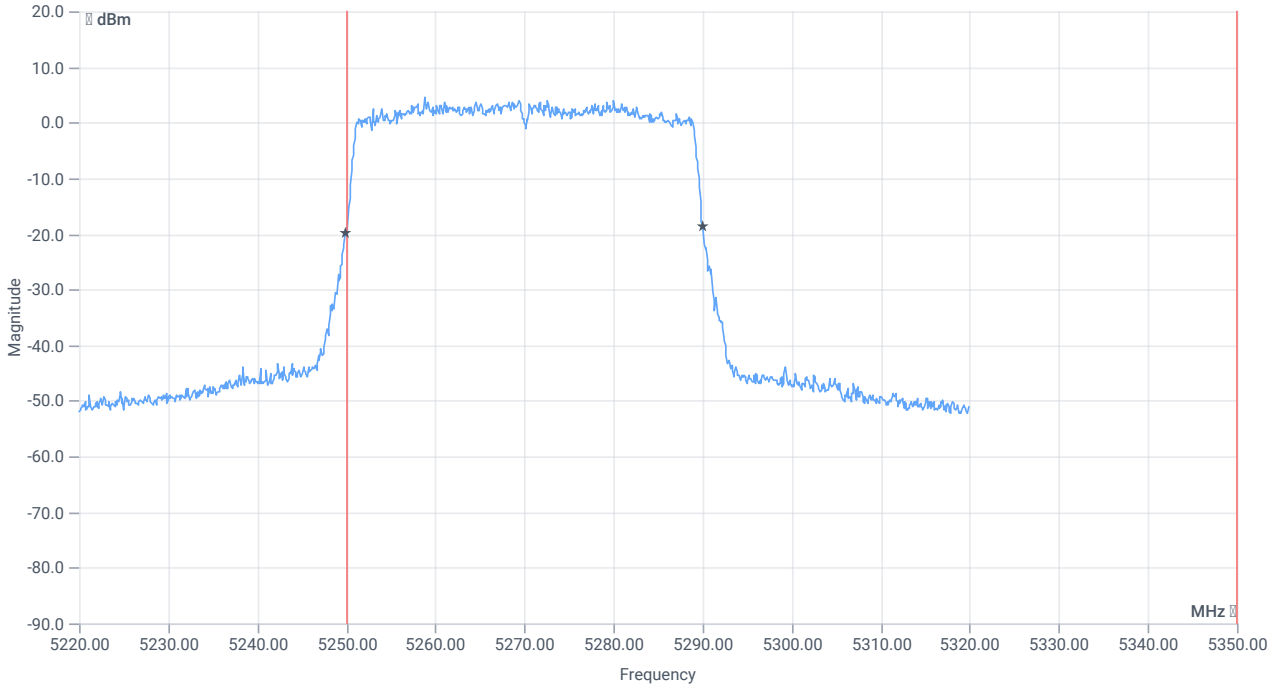
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5251.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.2	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5249.9000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.1000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	25.11.2025 10:01:44
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

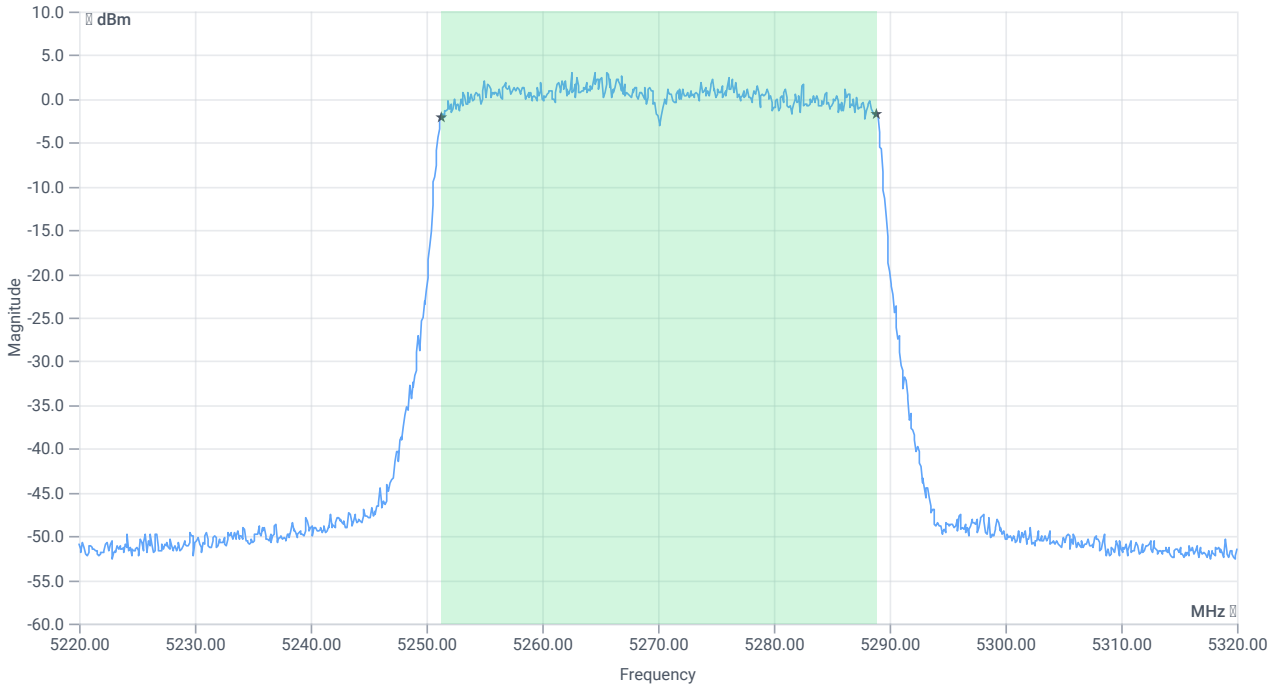
Test at TX 5270 MHz

RESULT: Reference power cond.

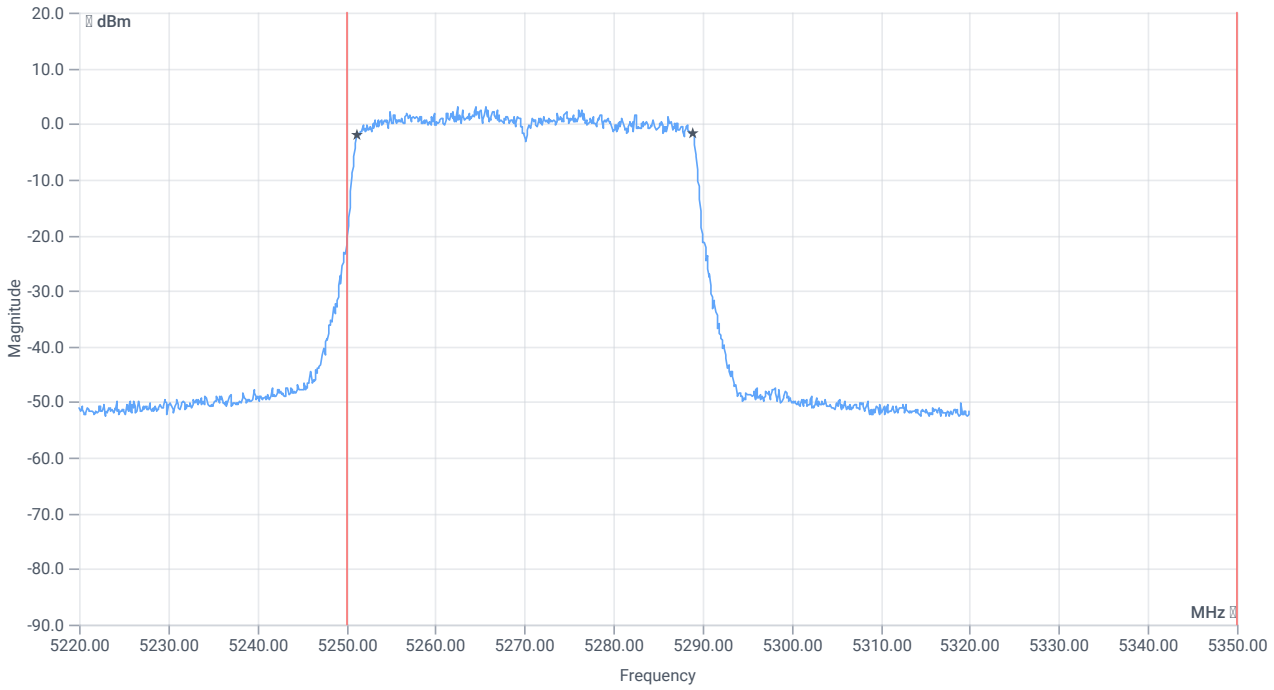
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.39	dBm	INFO
Ref. frequency	---	---	5264.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.39 | 13.38 | 15
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



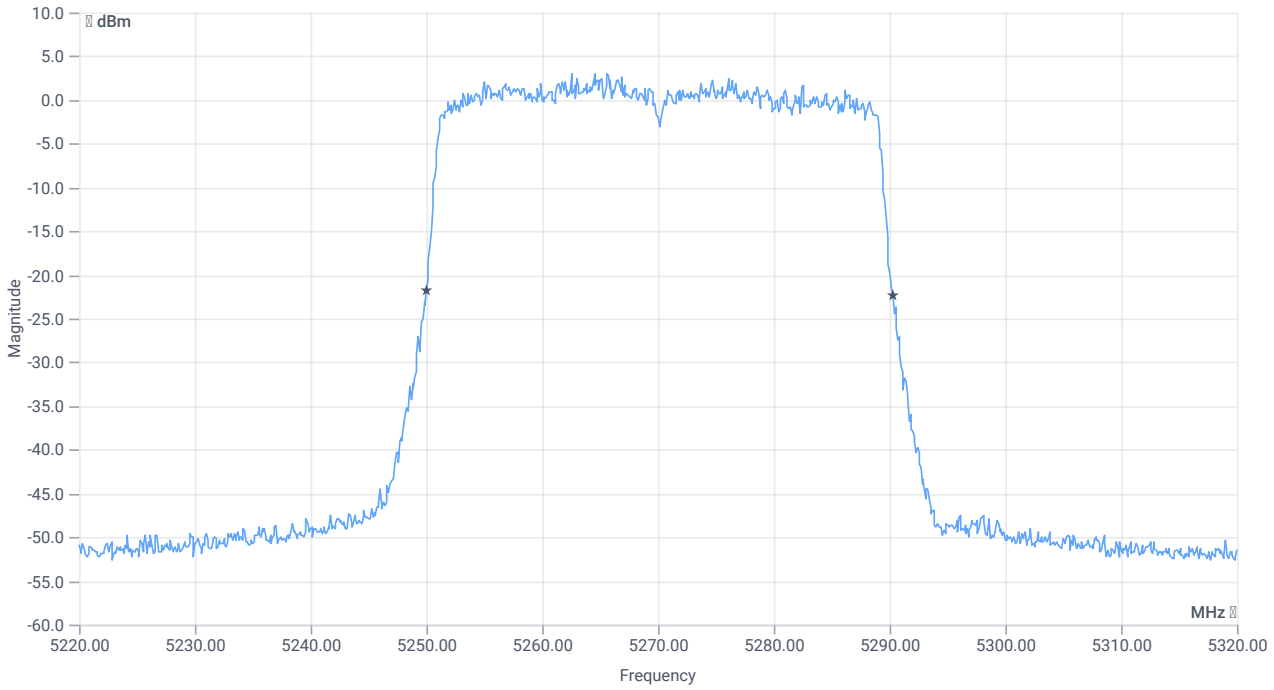
BW 99PCT



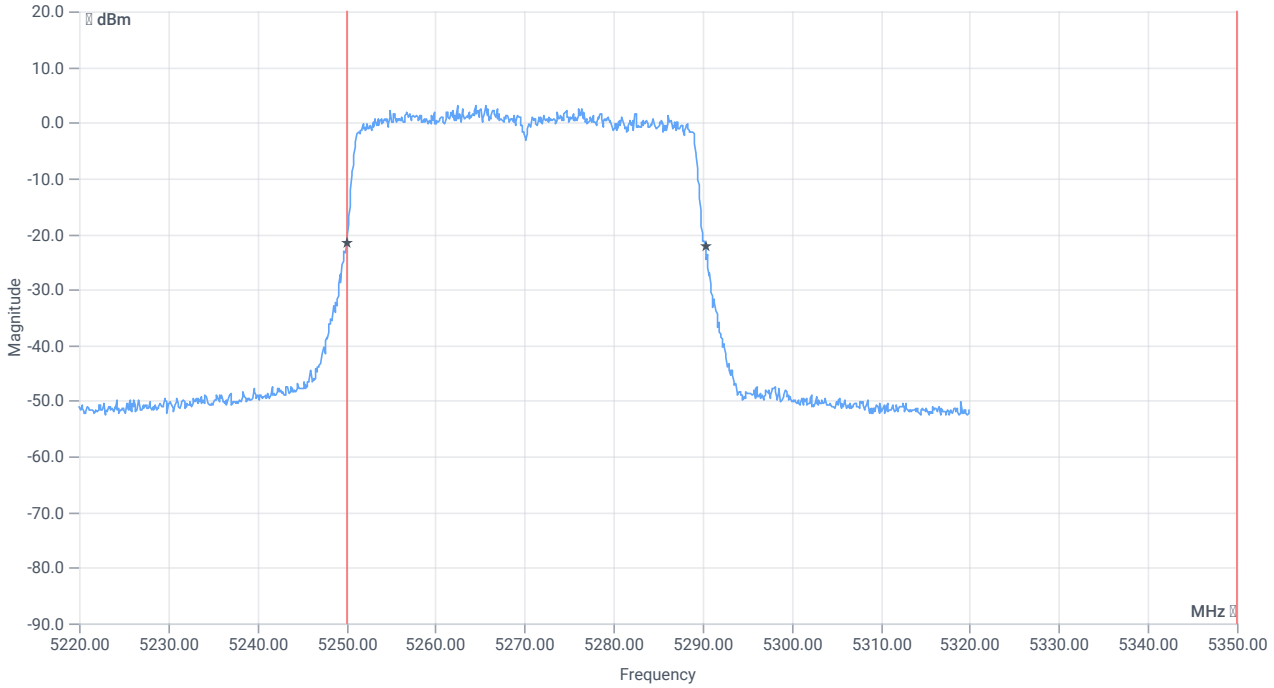
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5251.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5288.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5250.0000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.3000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	25.11.2025 10:08:04
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

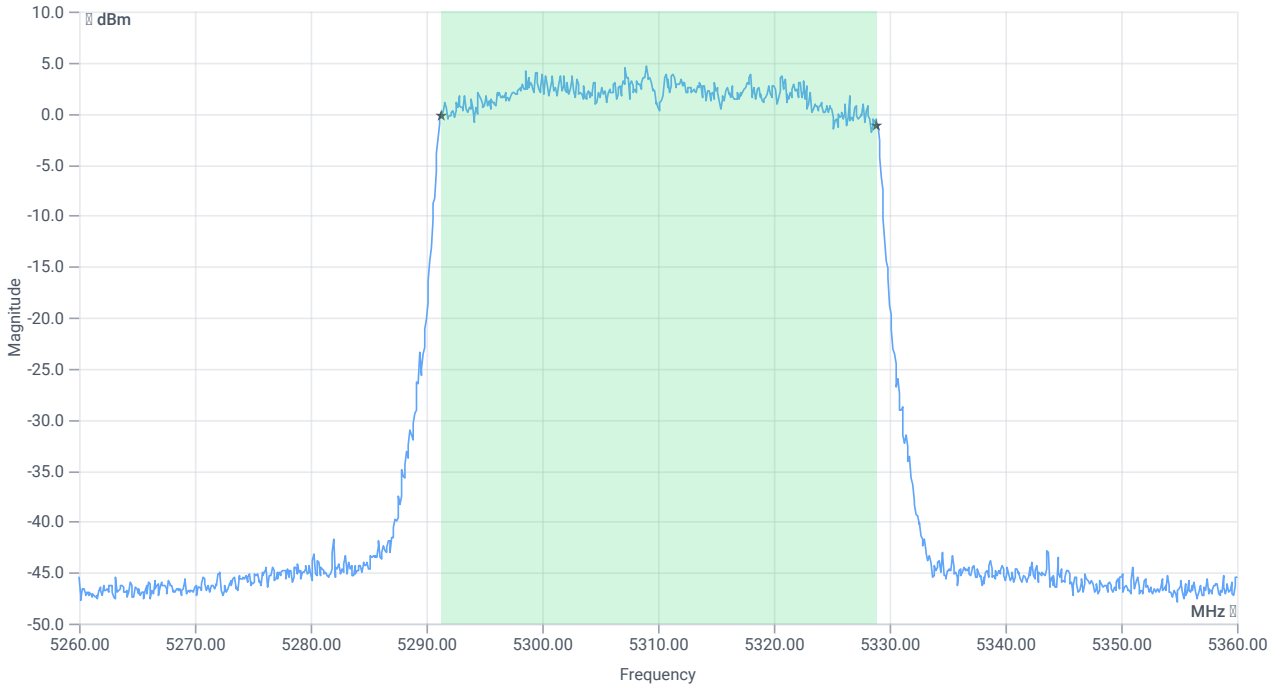
Test at TX 5310 MHz

RESULT: Reference power cond.

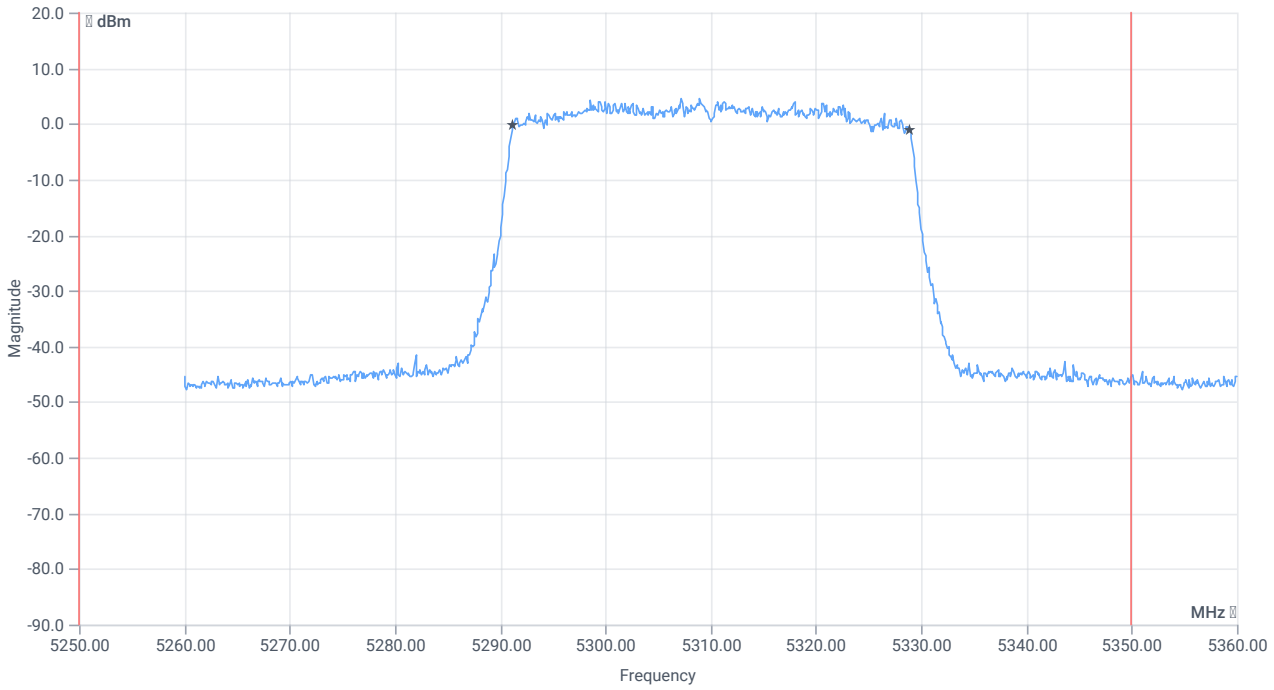
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.37	dBm	INFO
Ref. frequency	---	---	5305.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.37 | 14.31 | 20
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



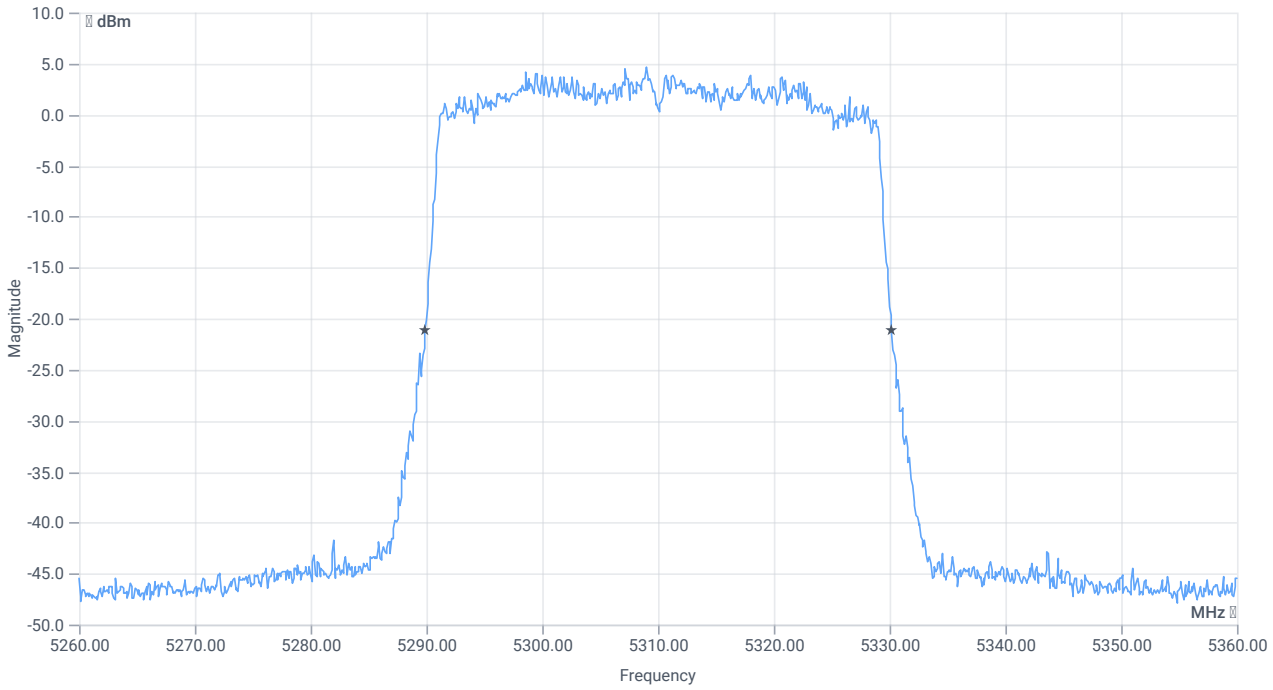
BW 99PCT



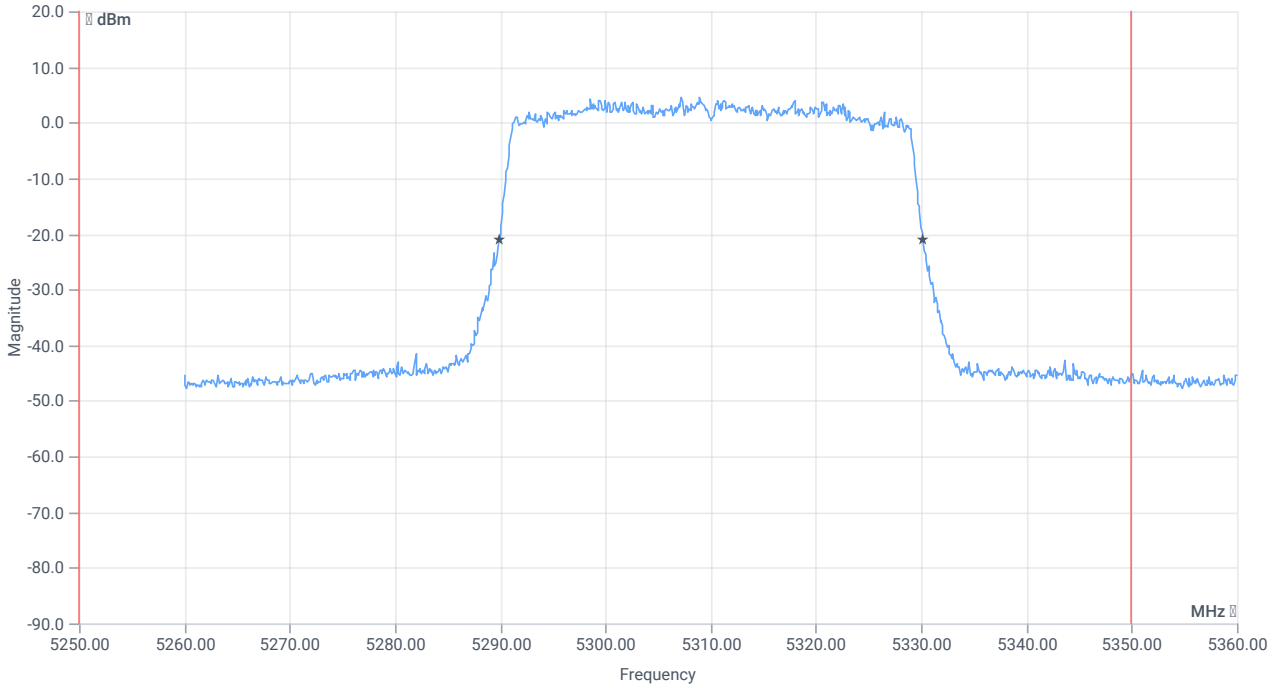
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5250.000000	---	5291.2188	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5289.9000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.2000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2A

References

TC start	25.11.2025 10:12:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

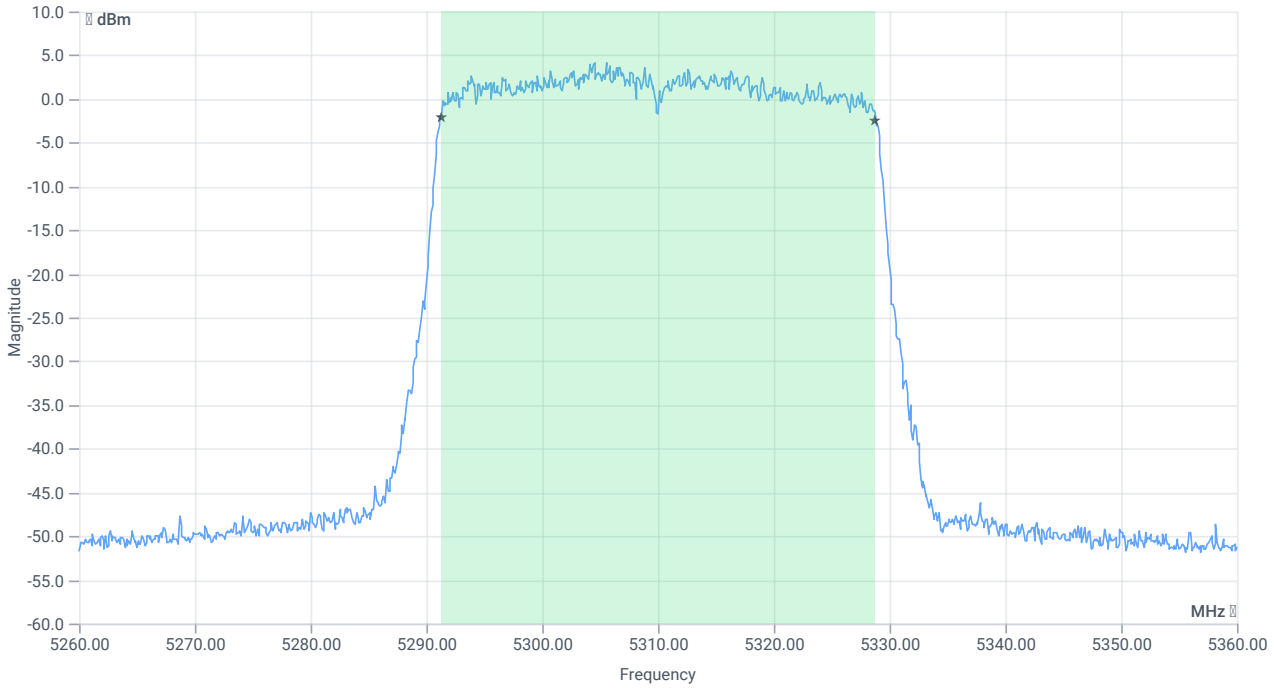
Test at TX 5310 MHz

RESULT: Reference power cond.

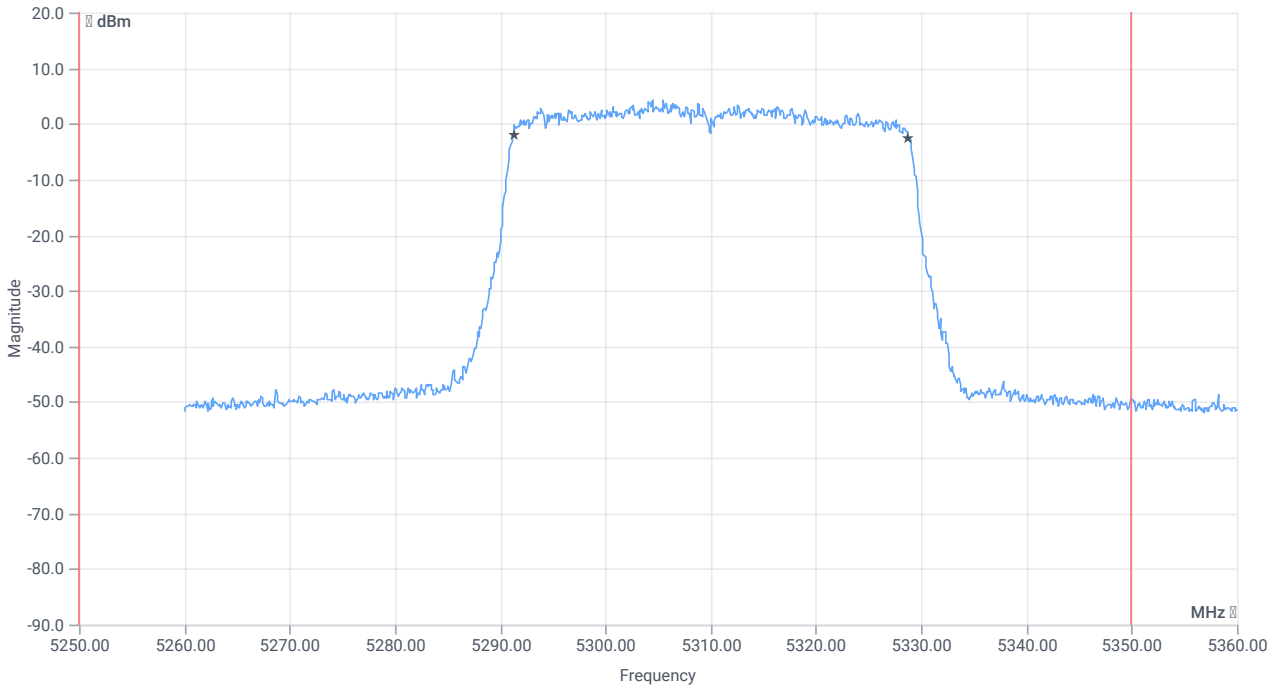
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.15	dBm	INFO
Ref. frequency	---	---	5305.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.15 | 14.26 | 15
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



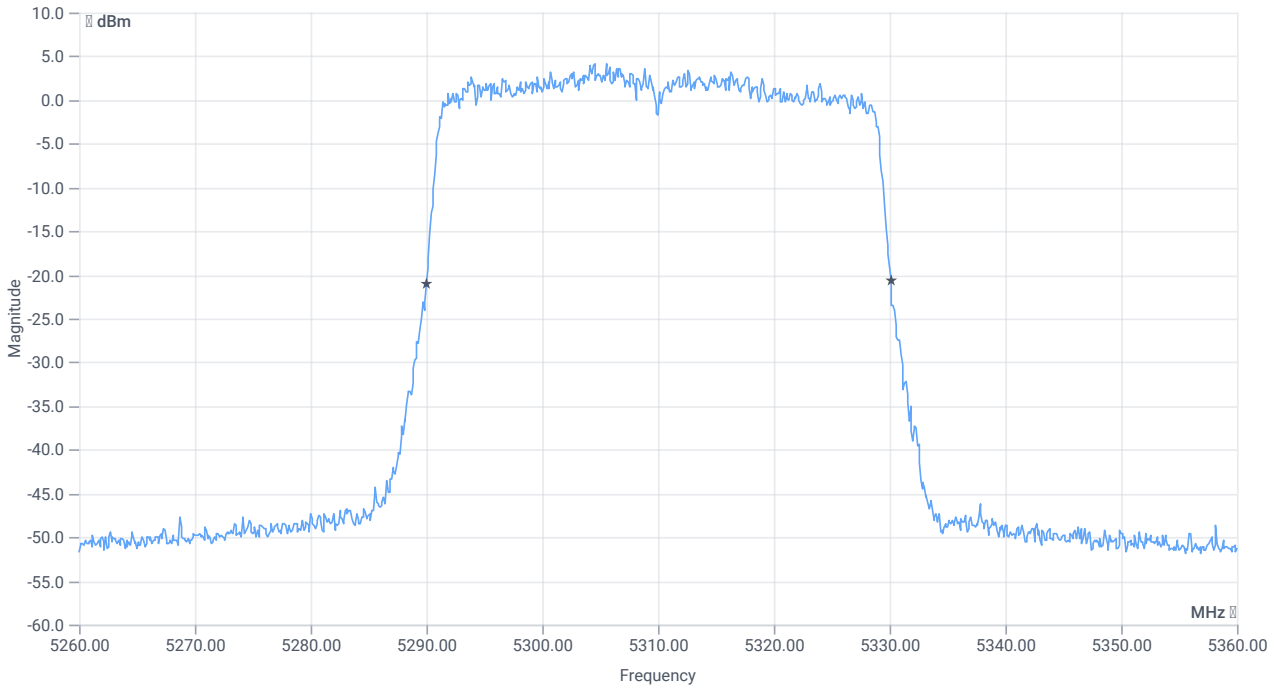
BW 99PCT



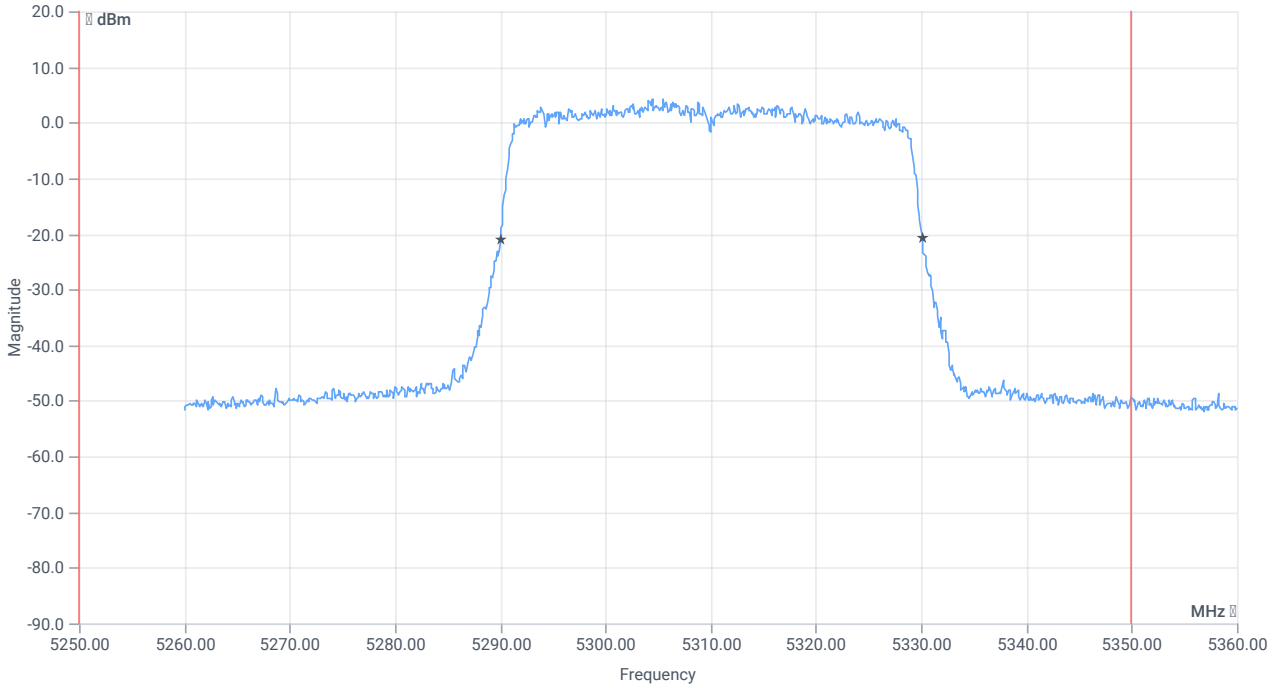
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.463	MHz	INFO
T1 99%	5250.000000	---	5291.3187	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5328.7812	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.1	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5290.0000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.1000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:17:30
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

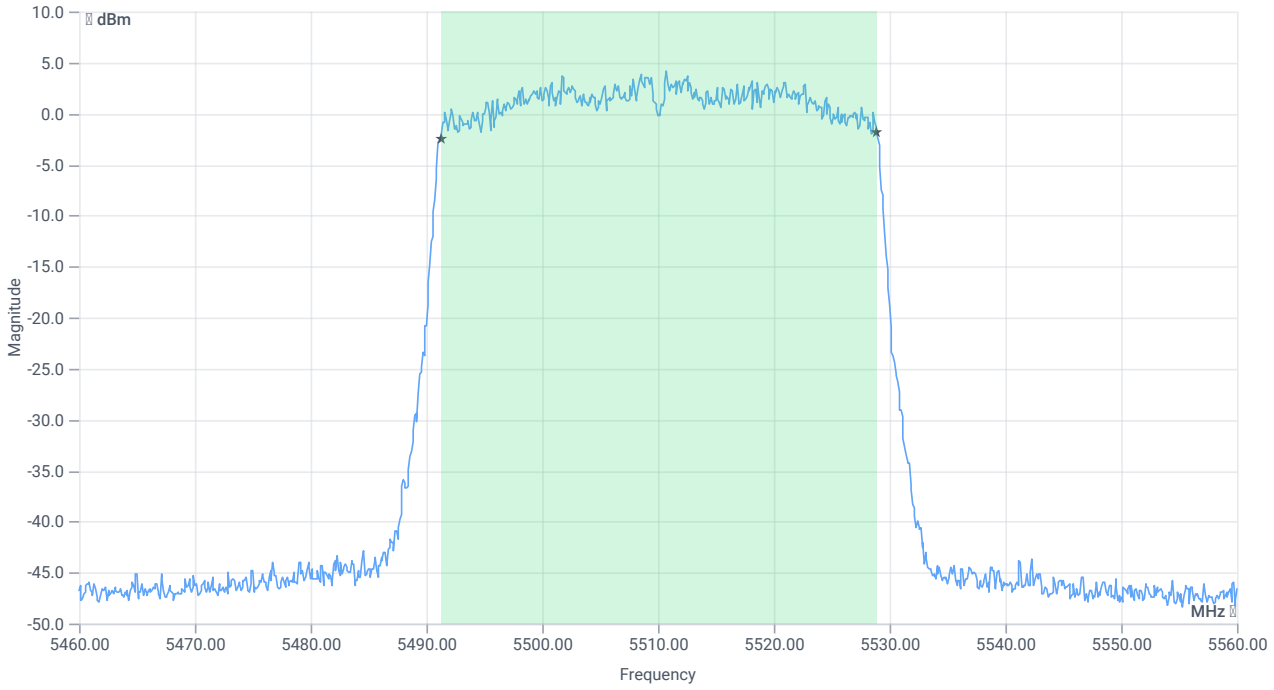
Test at TX 5510 MHz

RESULT: Reference power cond.

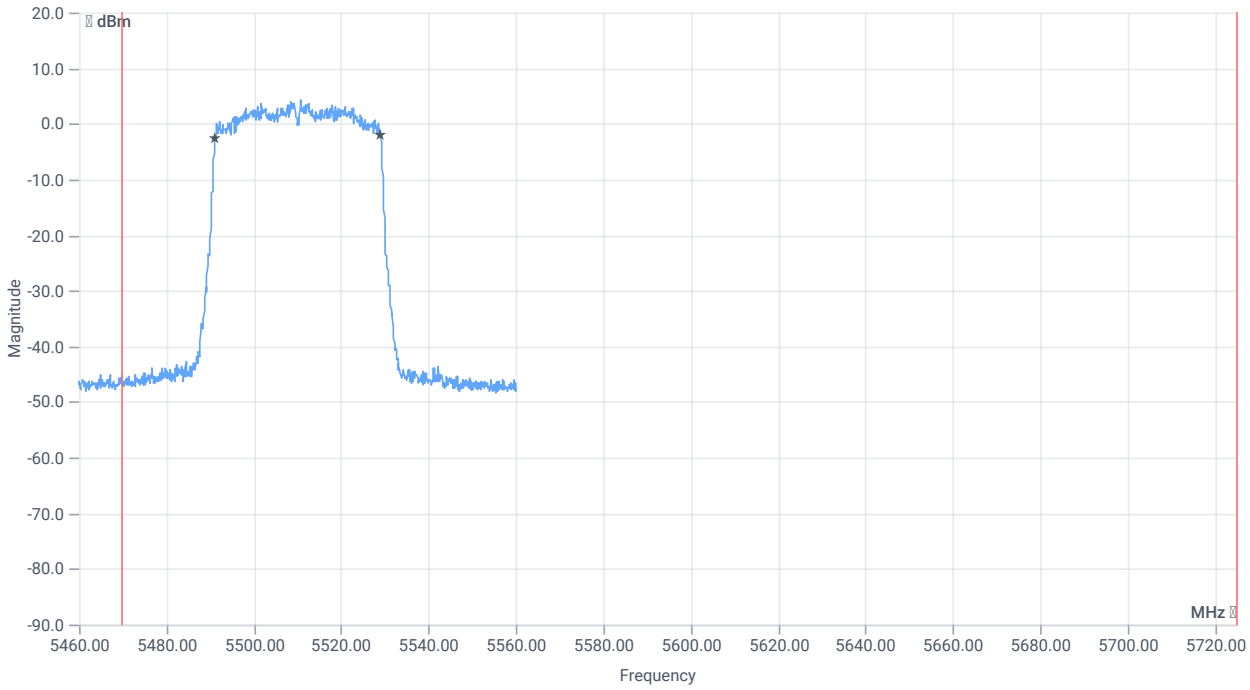
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.69	dBm	INFO
Ref. frequency	---	---	5502.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.69 | 14.34 | 20
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



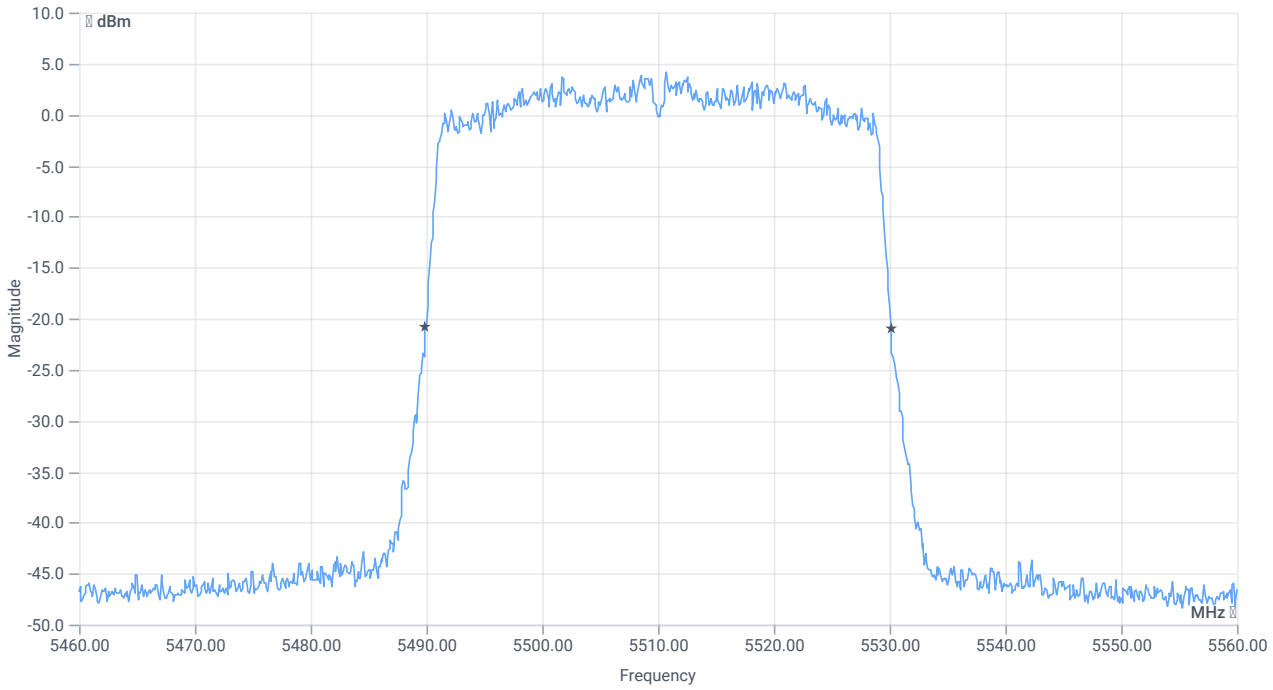
BW 99PCT



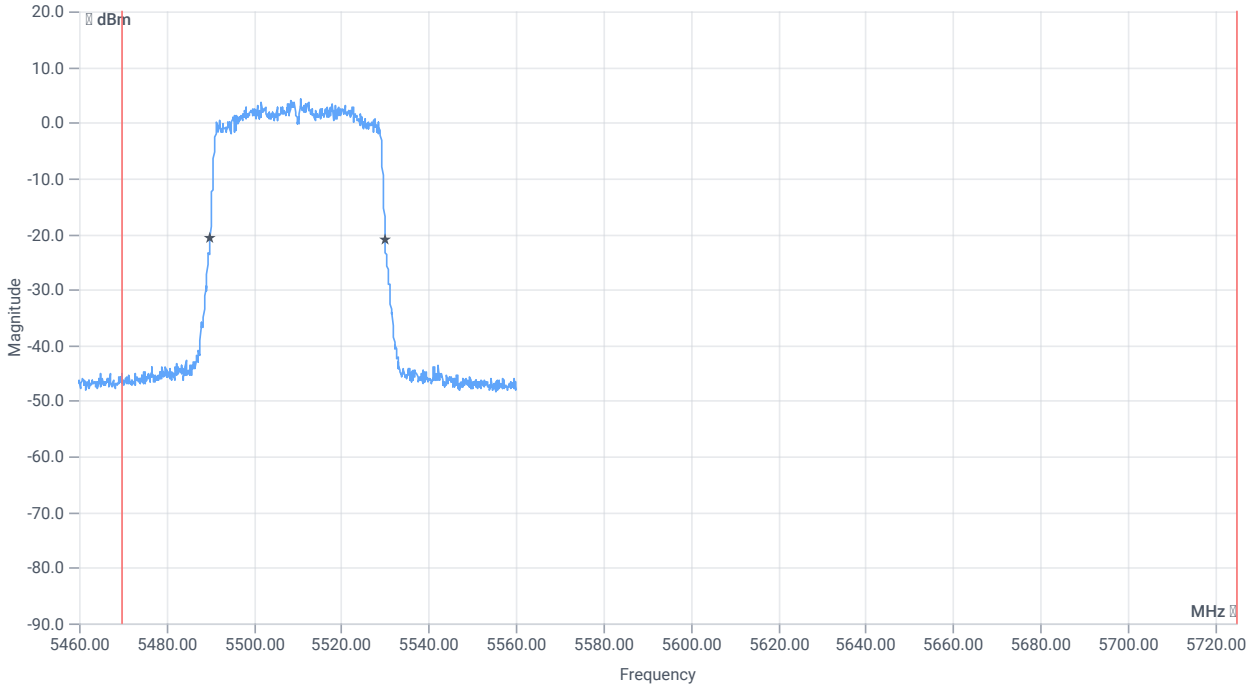
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5470.000000	---	5491.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.2	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5489.9000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.1000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:21:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

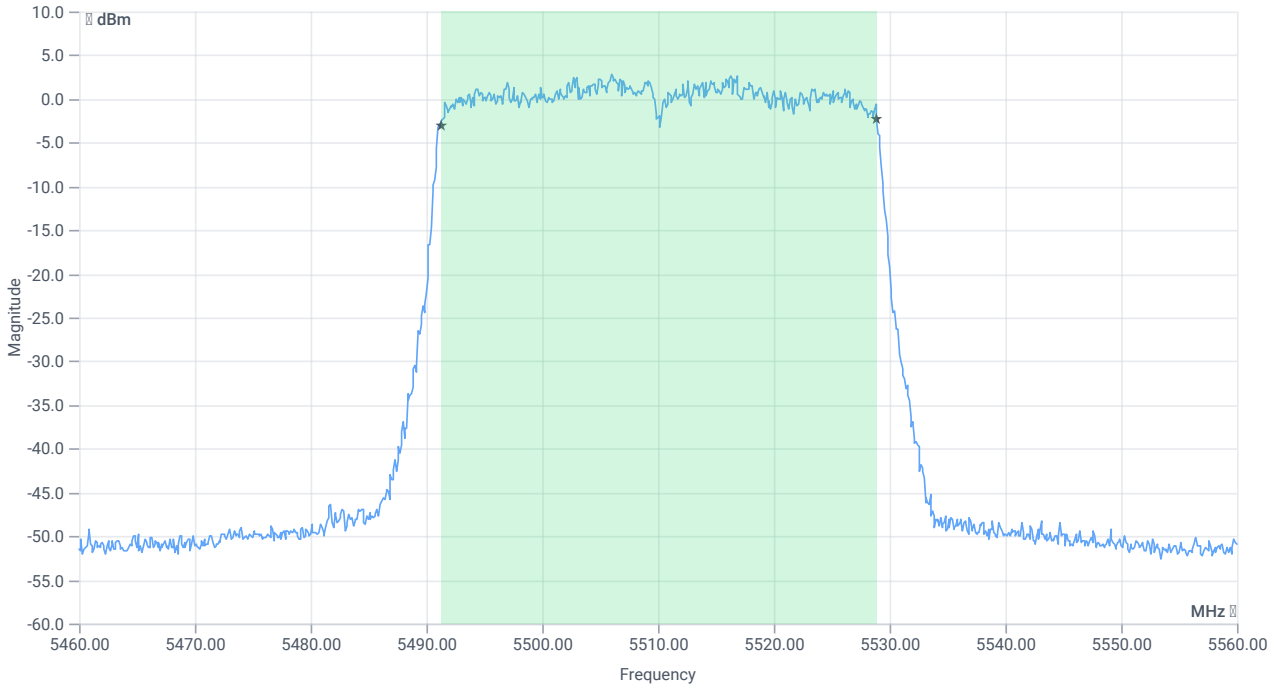
Test at TX 5510 MHz

RESULT: Reference power cond.

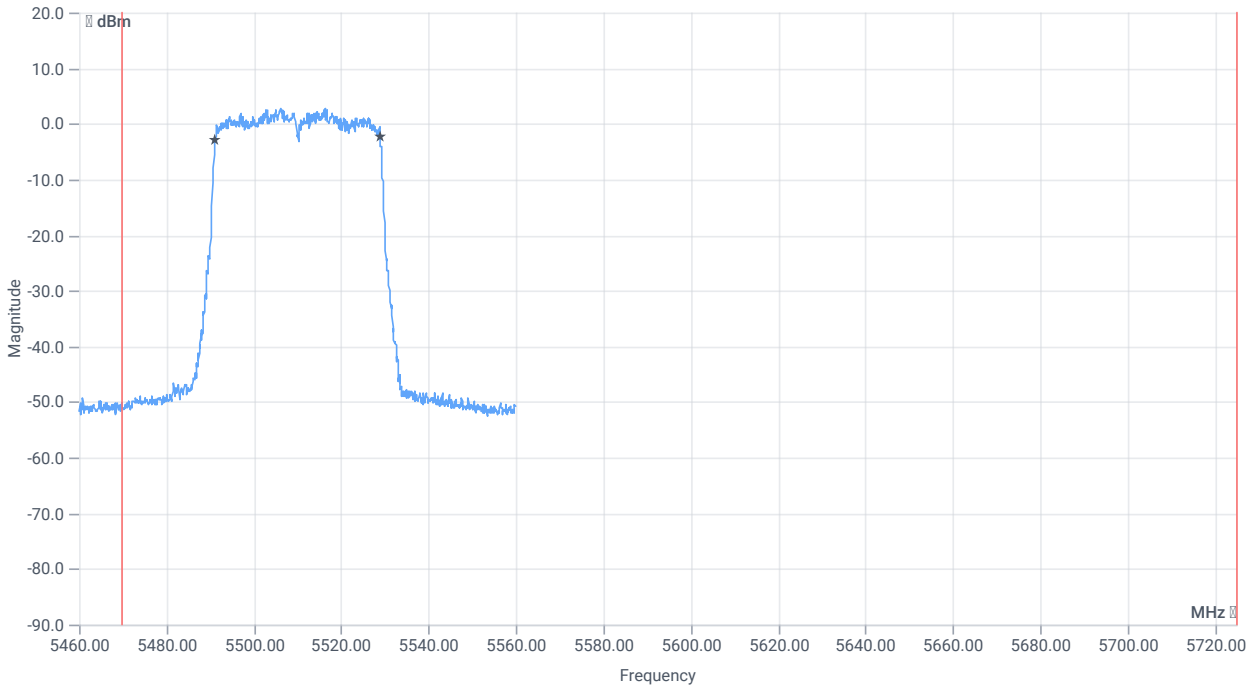
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.76	dBm	INFO
Ref. frequency	---	---	5509.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.76 | 14.08 | 15
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



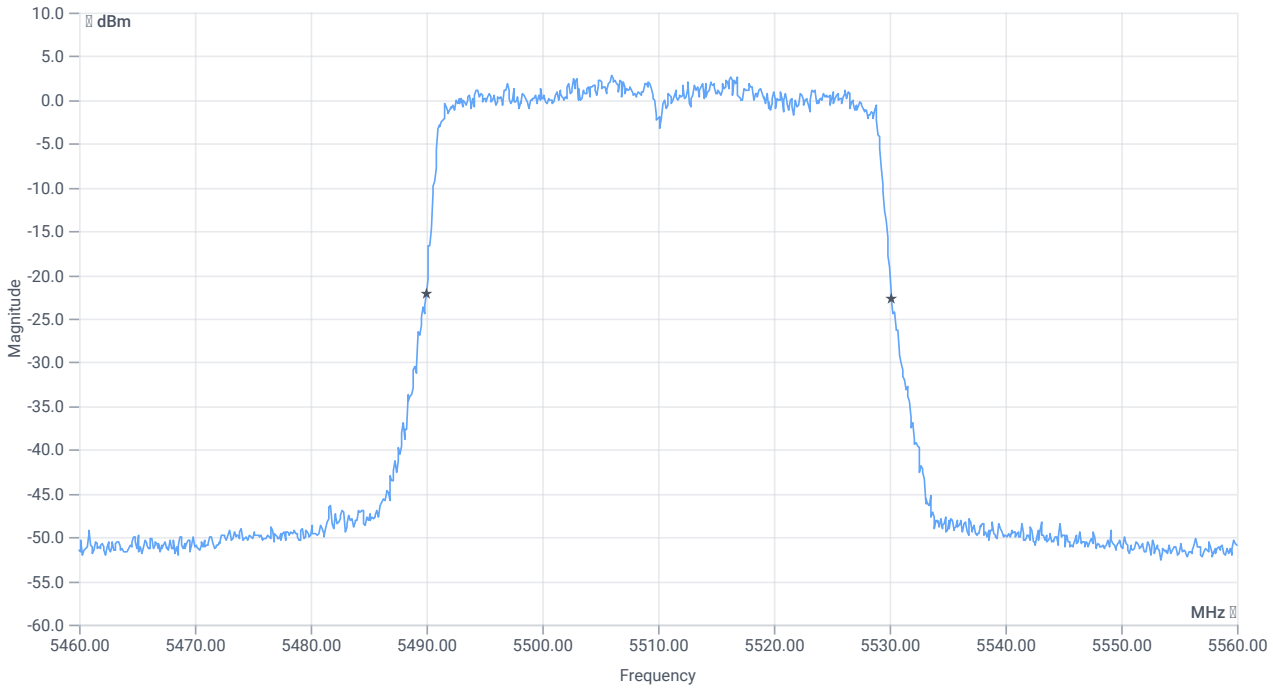
BW 99PCT



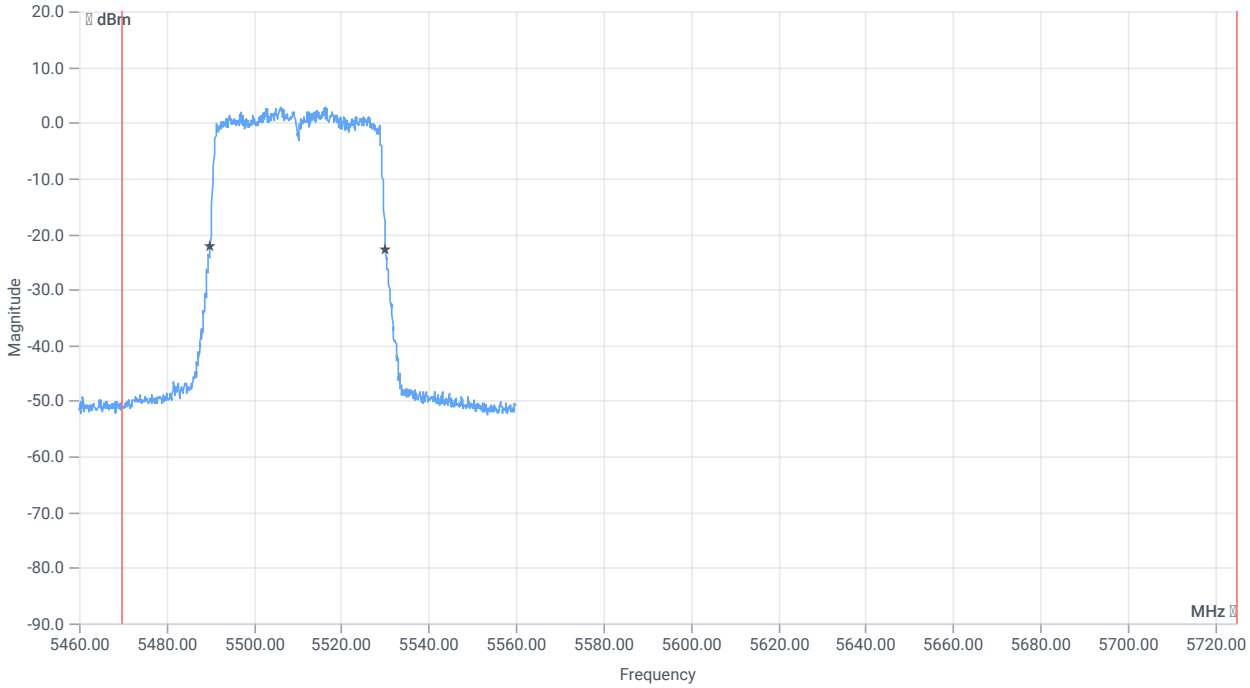
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5470.000000	---	5491.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.2	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5490.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.2000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:29:56
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

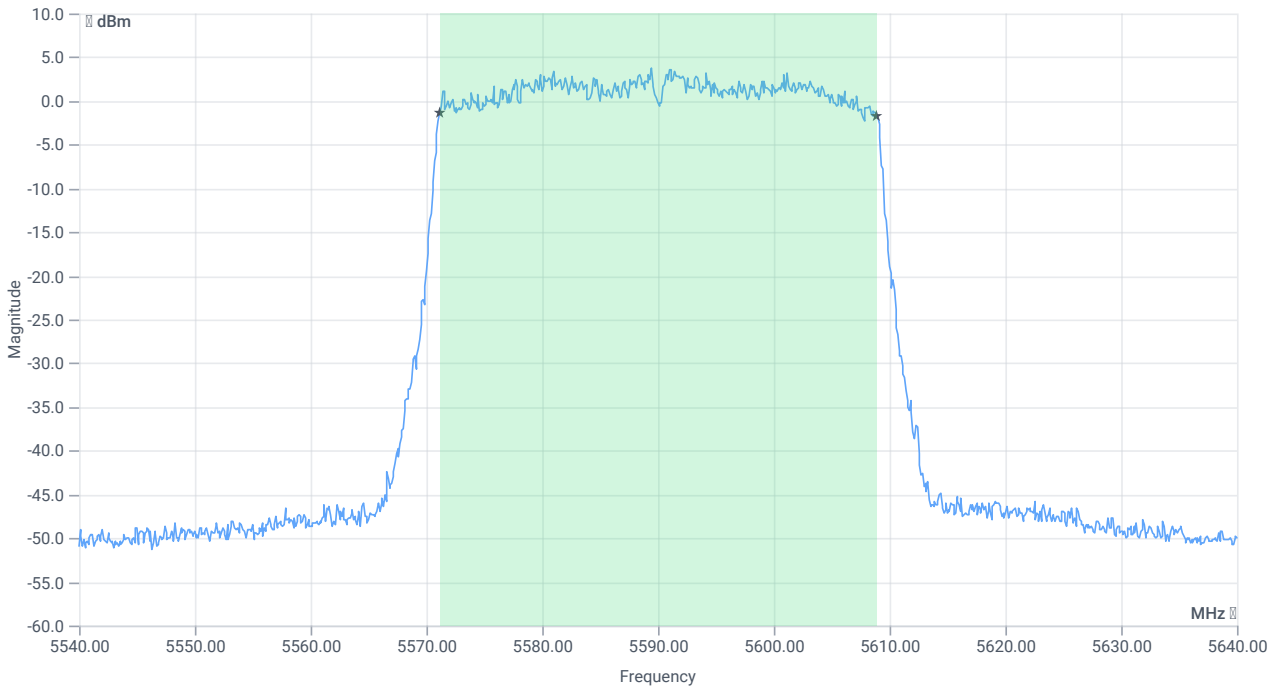
Test at TX 5590 MHz

RESULT: Reference power cond.

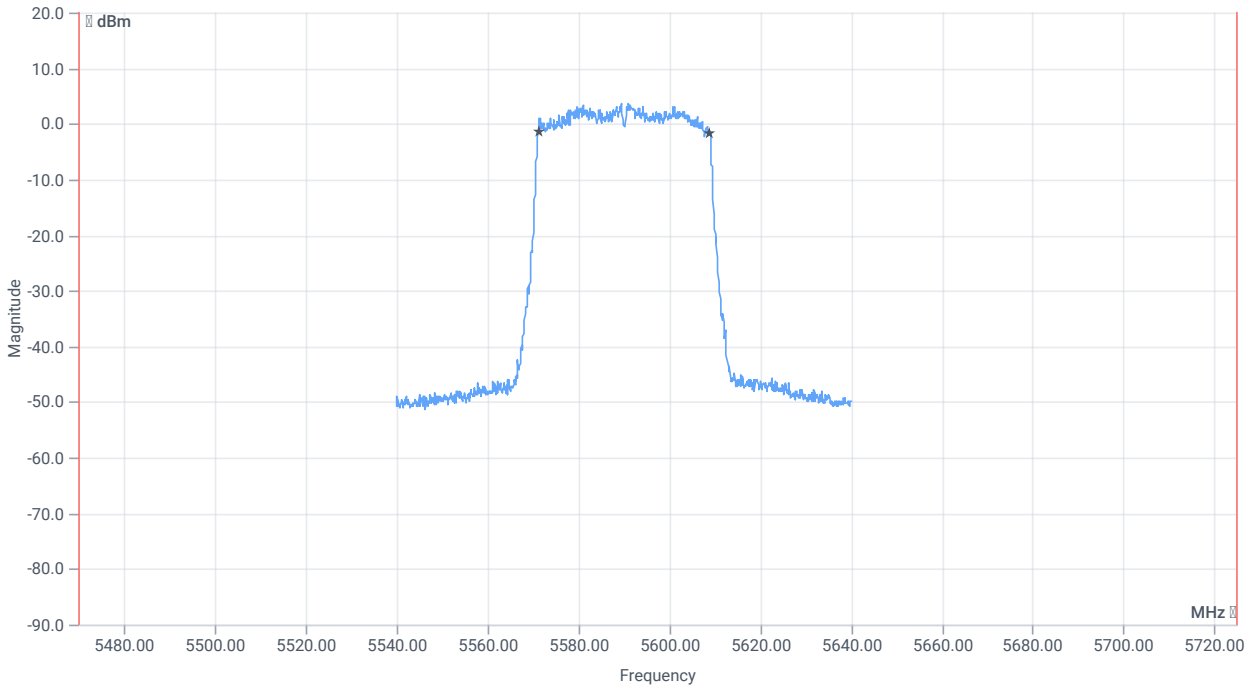
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.90	dBm	INFO
Ref. frequency	---	---	5591.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.90 | 14.96 | 15
Start [MHz] | Stop [MHz]	5540.000 | 5640.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



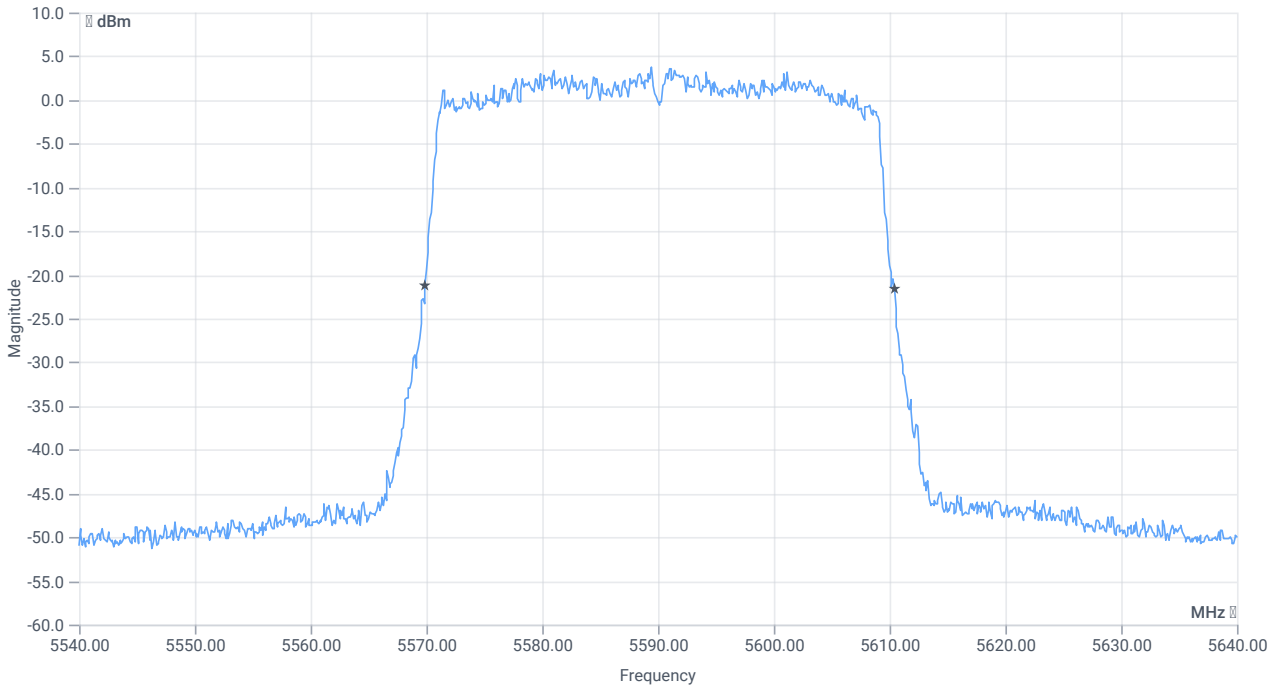
BW 99PCT



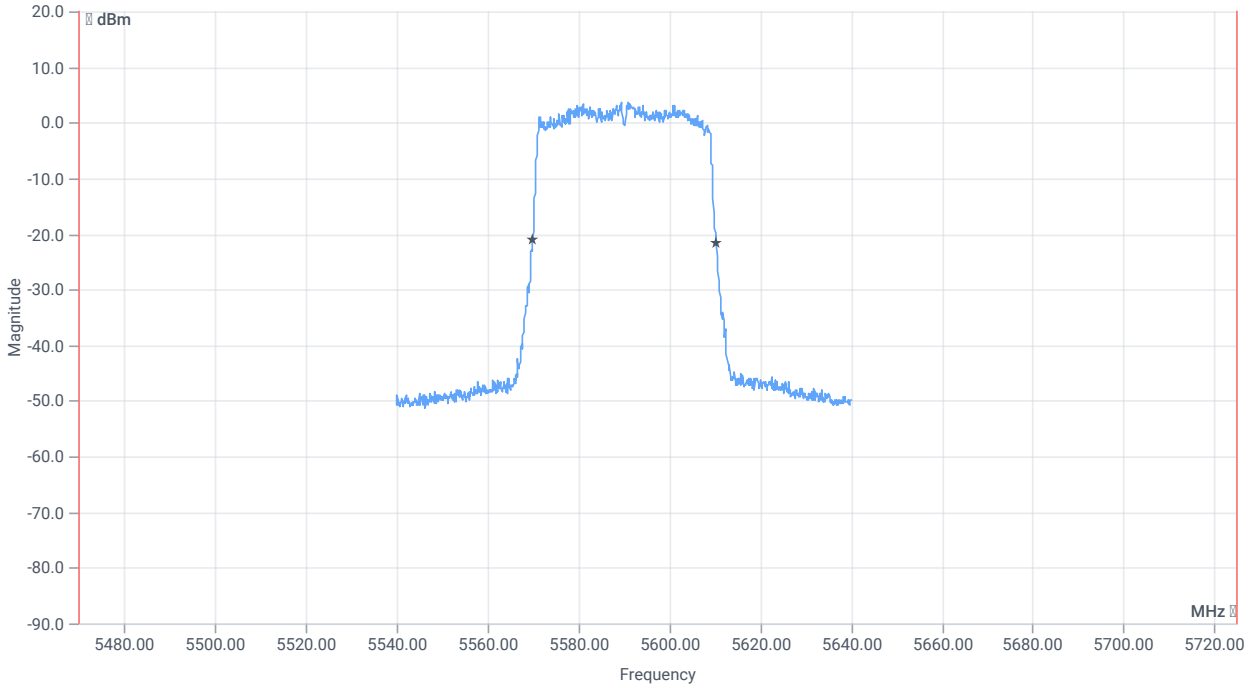
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5470.000000	---	5571.1189	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5608.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5569.9000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.4000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:34:02
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

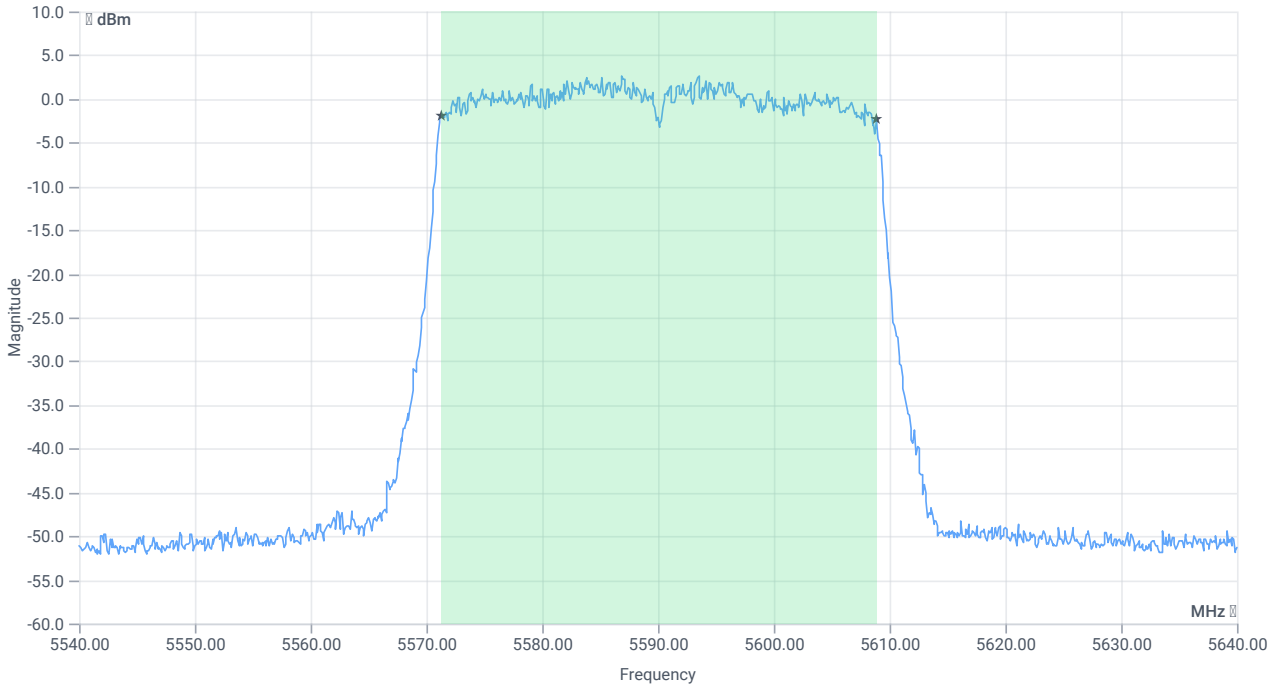
Test at TX 5590 MHz

RESULT: Reference power cond.

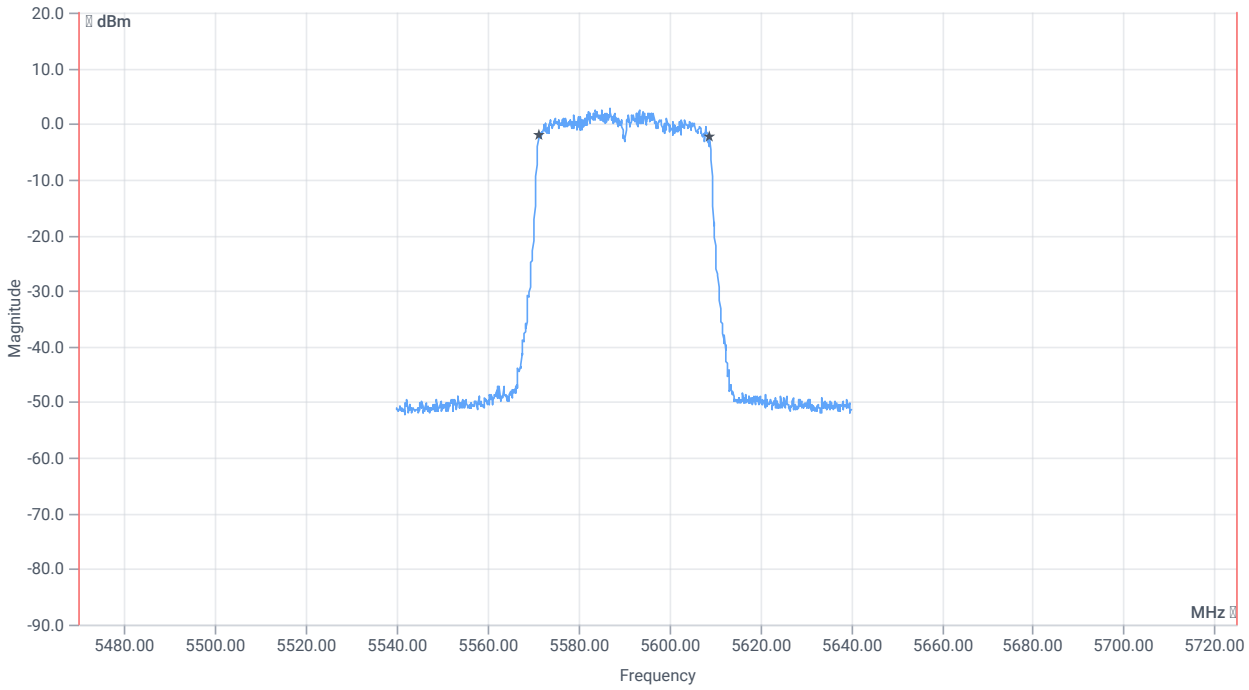
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.10	dBm	INFO
Ref. frequency	---	---	5587.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.10 | 14.16 | 15
Start [MHz] | Stop [MHz]	5540.000 | 5640.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



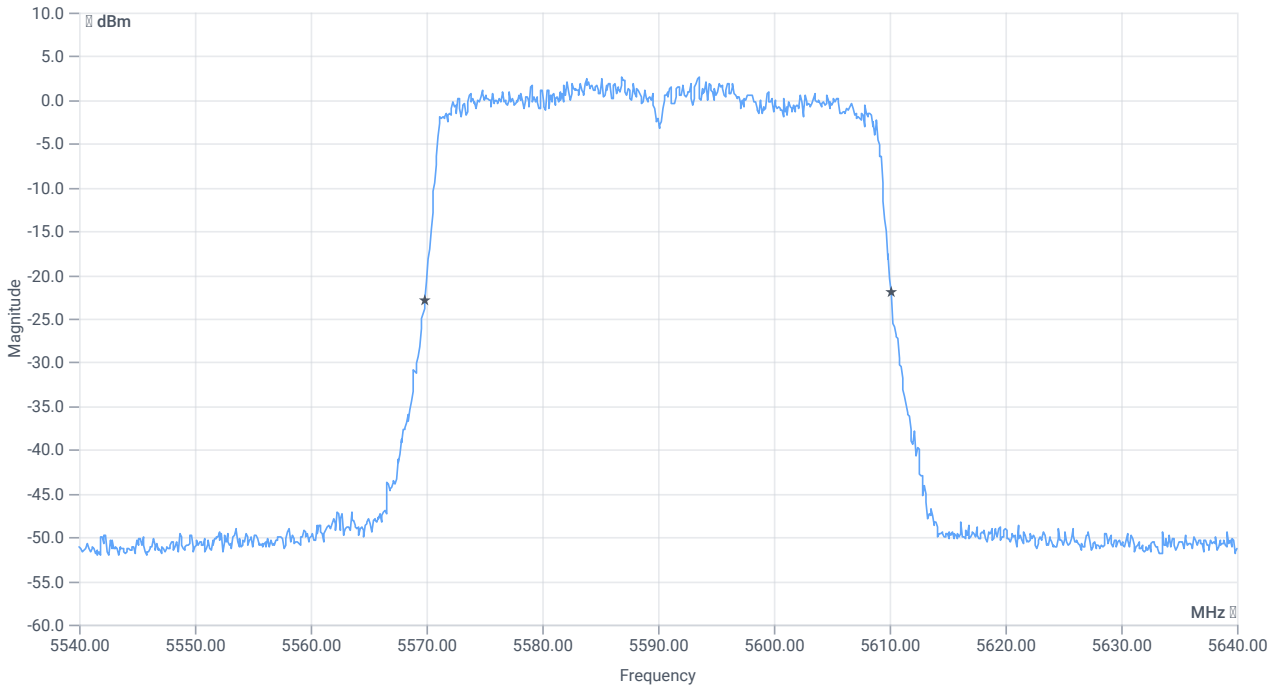
BW 99PCT



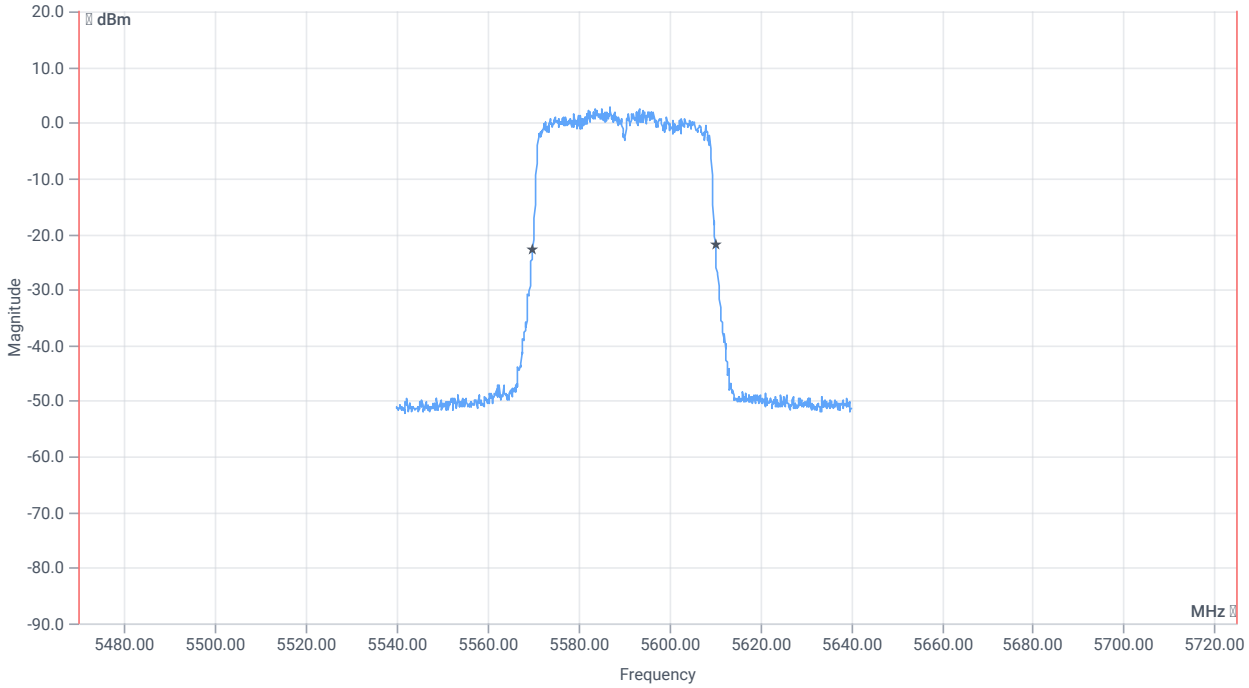
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5470.000000	---	5571.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5608.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5569.9000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.2000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:40:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

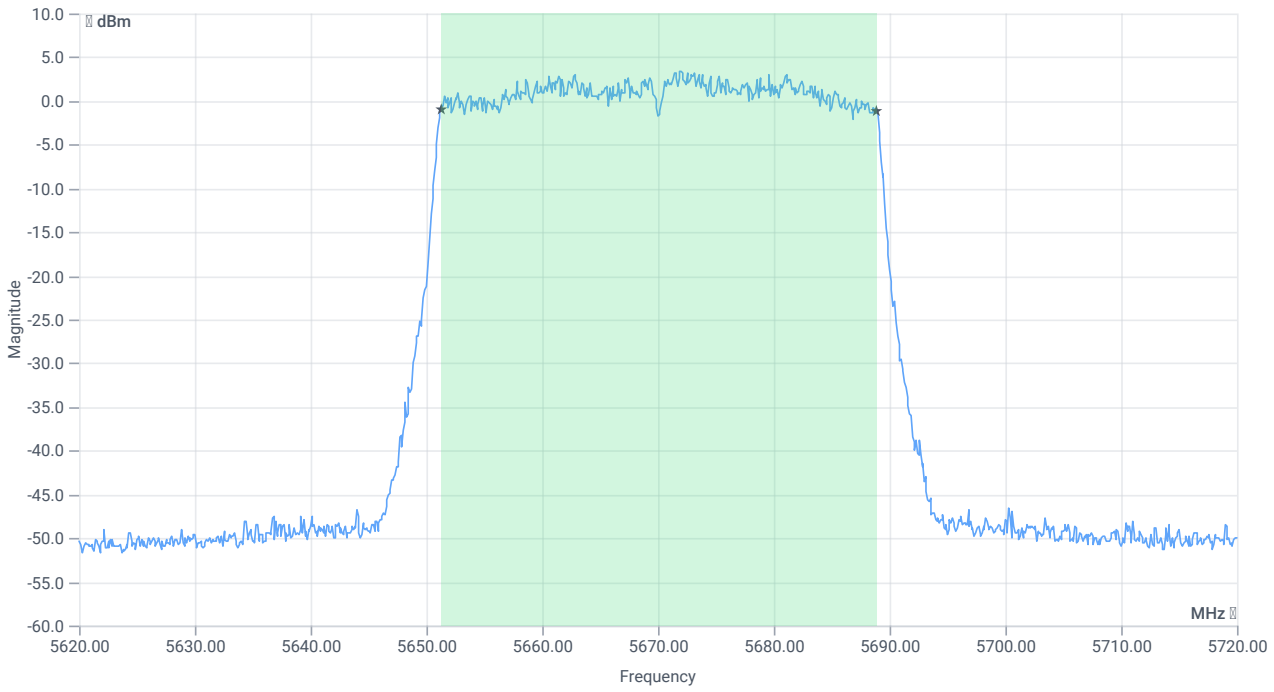
Test at TX 5670 MHz

RESULT: Reference power cond.

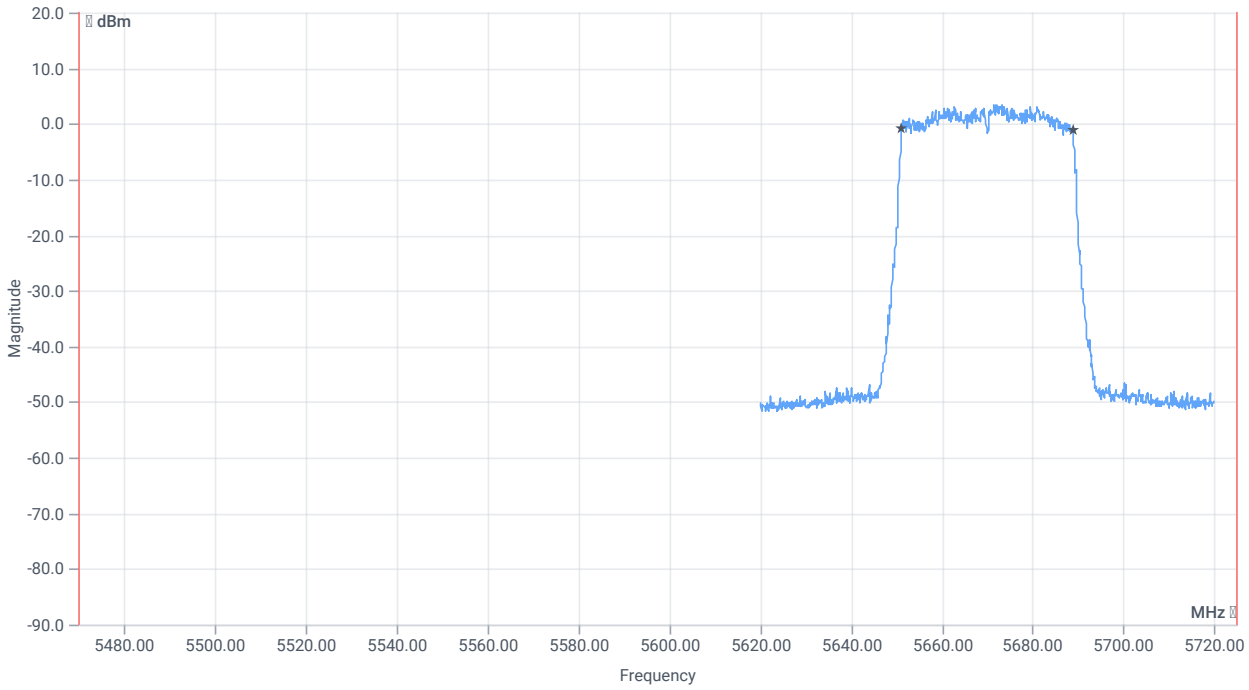
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.69	dBm	INFO
Ref. frequency	---	---	5673.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.69 | 14.22 | 15
Start [MHz] | Stop [MHz]	5620.000 | 5720.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



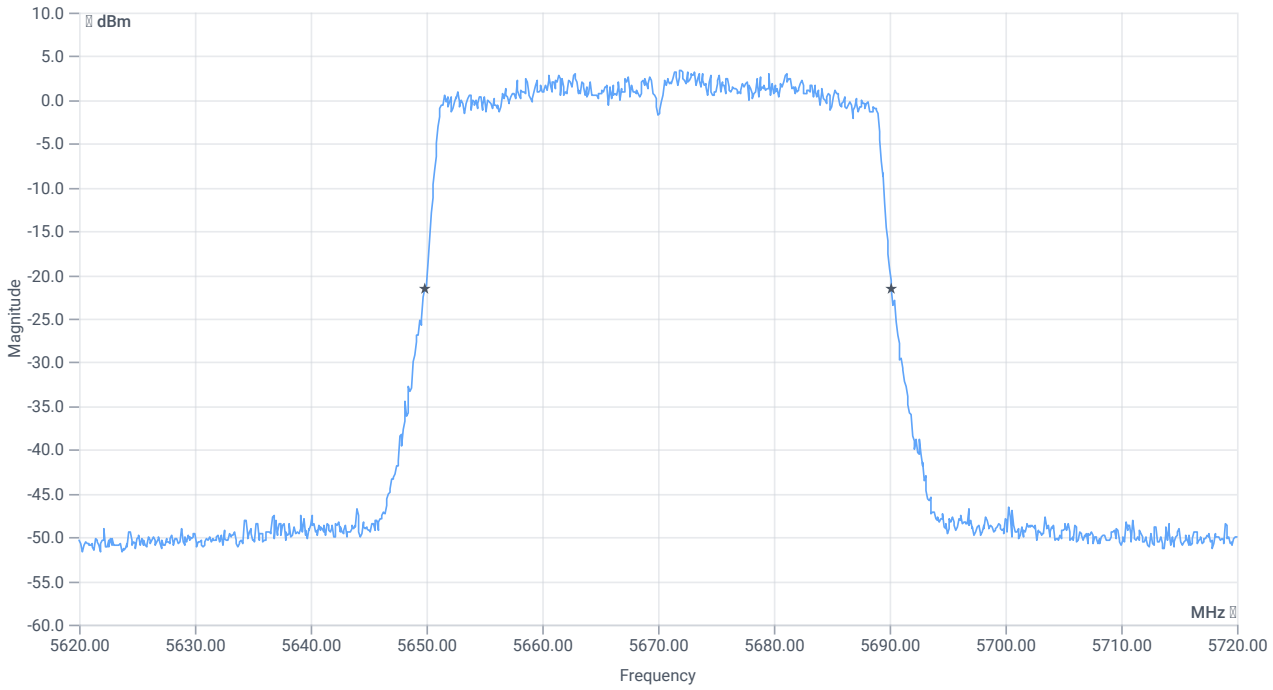
BW 99PCT



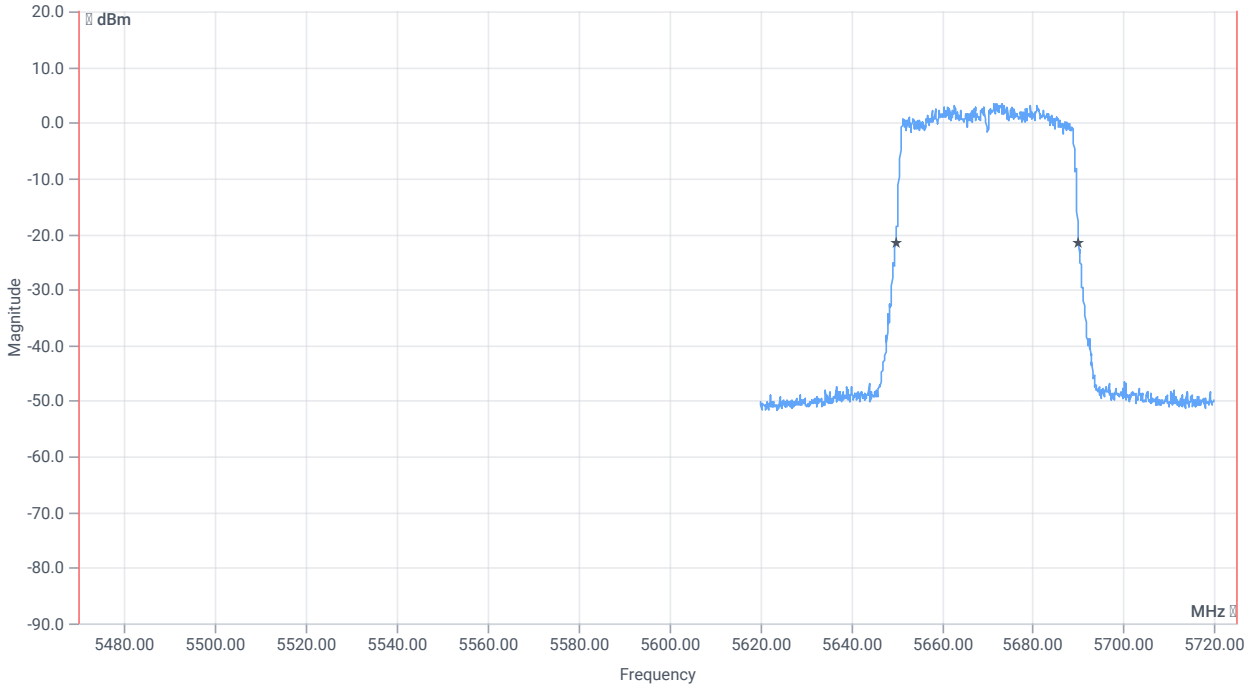
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5470.000000	---	5651.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5688.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5649.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5690.2000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-2C

References

TC start	25.11.2025 10:44:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

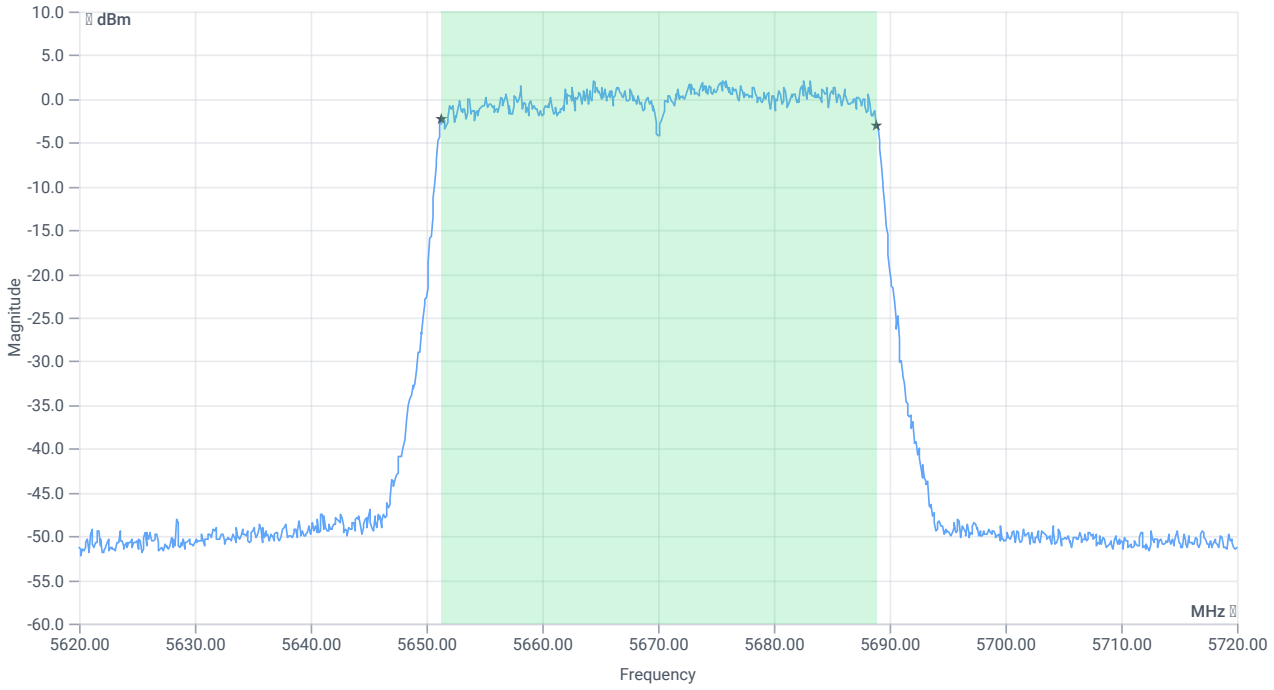
Test at TX 5670 MHz

RESULT: Reference power cond.

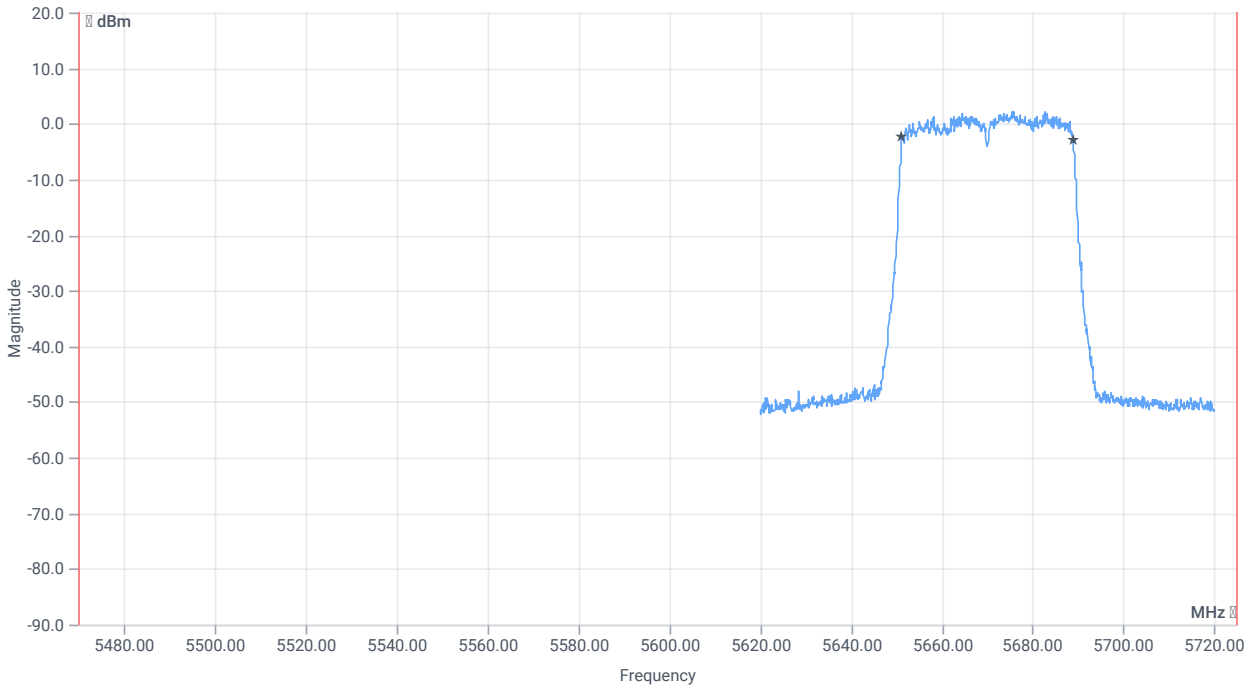
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.12	dBm	INFO
Ref. frequency	---	---	5678.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.12 | 13.99 | 15
Start [MHz] | Stop [MHz]	5620.000 | 5720.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



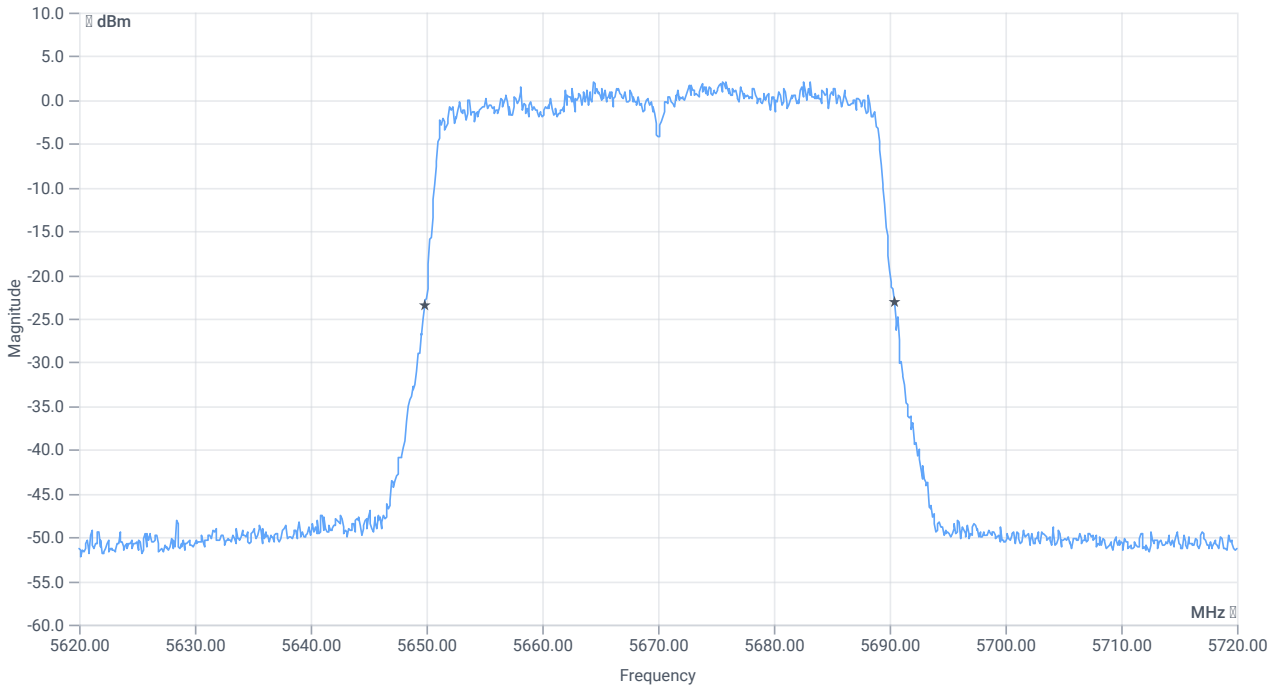
BW 99PCT



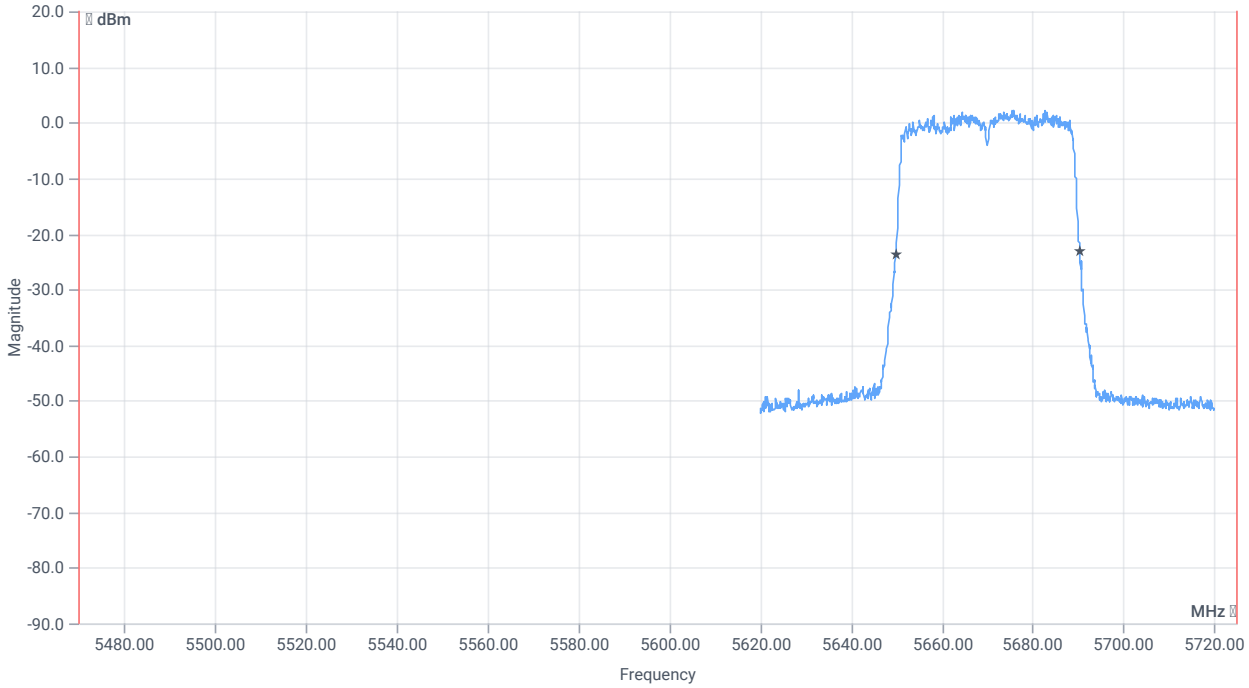
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5470.000000	---	5651.2188	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5688.8811	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.6	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5649.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5690.4000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	24.11.2025 10:06:45
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

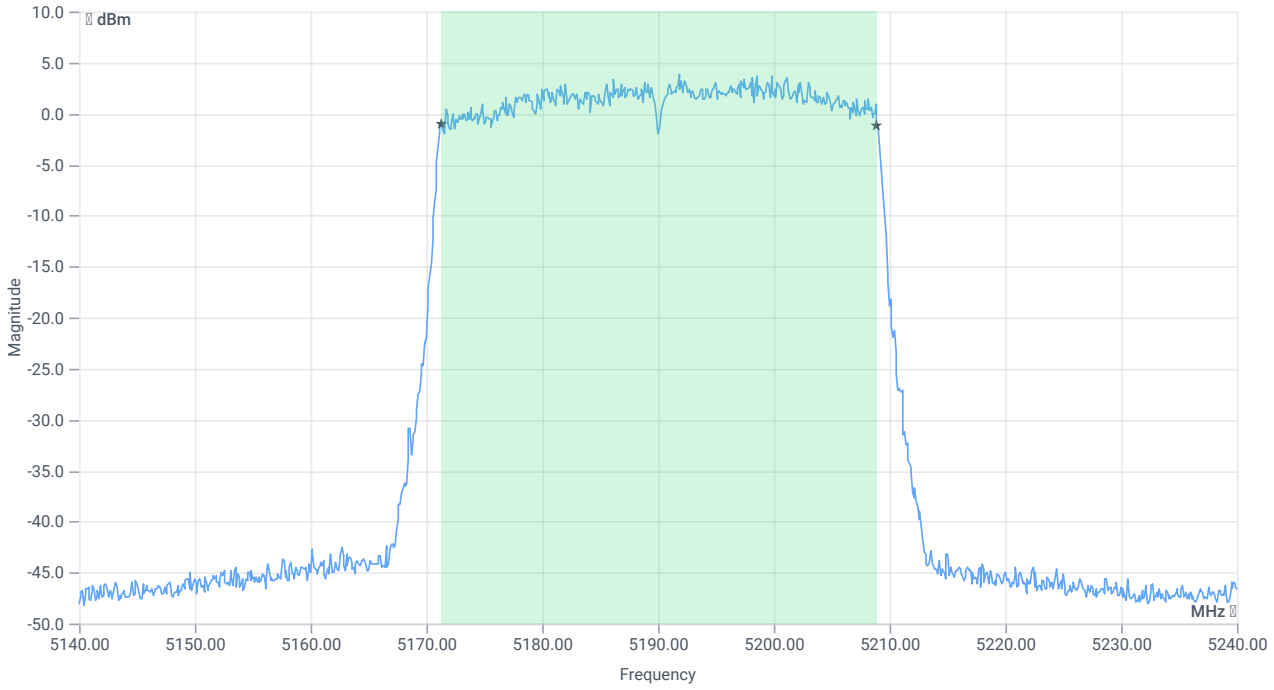
Test at TX 5190 MHz

RESULT: Reference power cond.

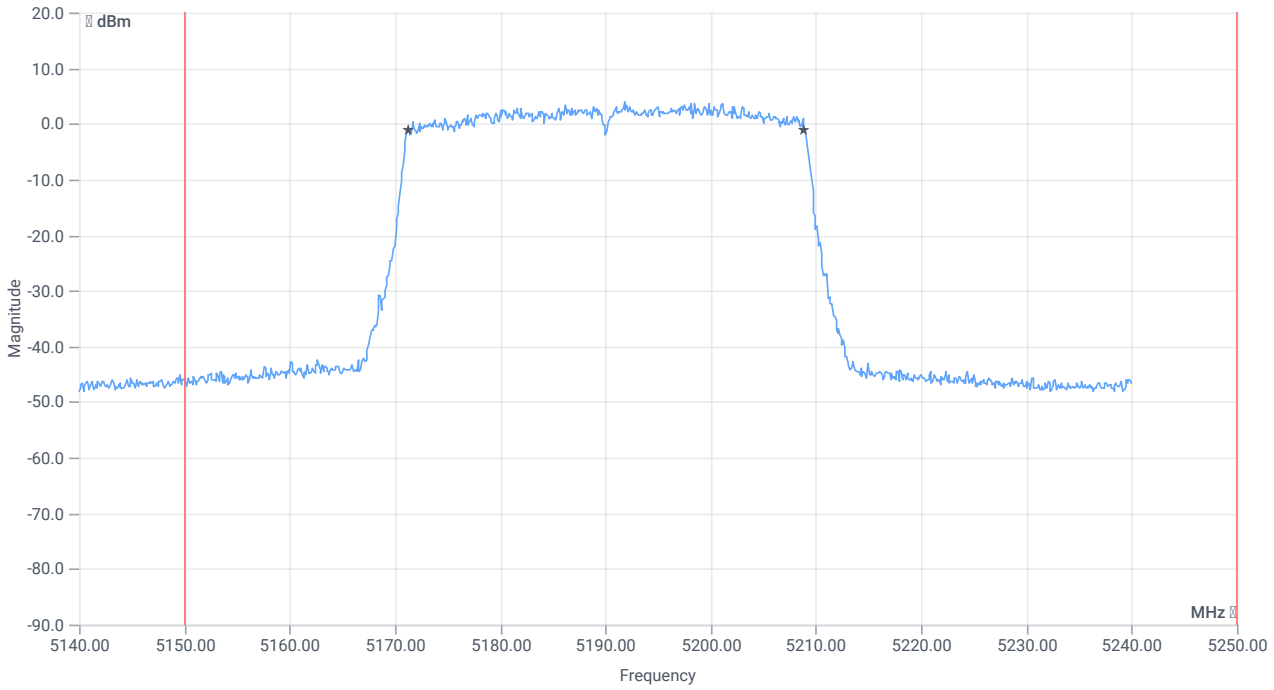
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.61	dBm	INFO
Ref. frequency	---	---	5191.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.61 | 14.16 | 20
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



BW 99PCT



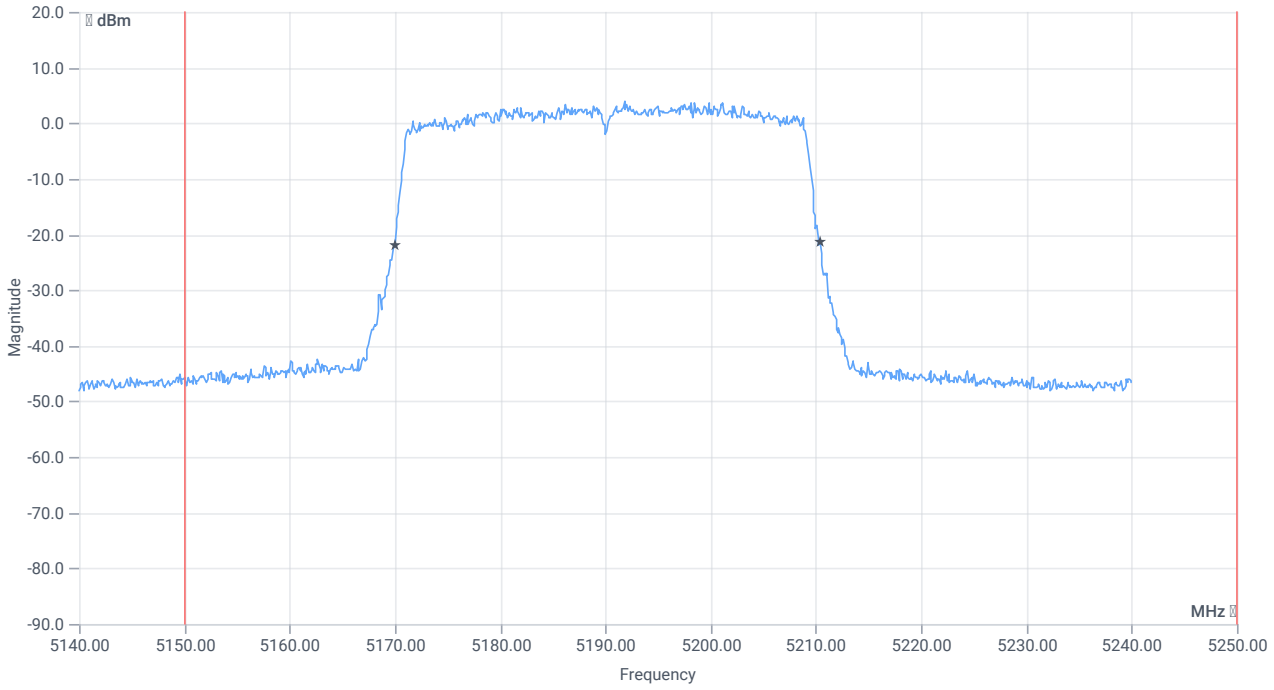
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.662	MHz	INFO
T1 99%	5150.000000	---	5171.2188	MHz	PASS
T2 99%	---	5250.000000	5208.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	5150.000000	---	5170.0000	MHz	PASS
T2 26dB	---	5250.000000	5210.4000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	24.11.2025 10:11:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

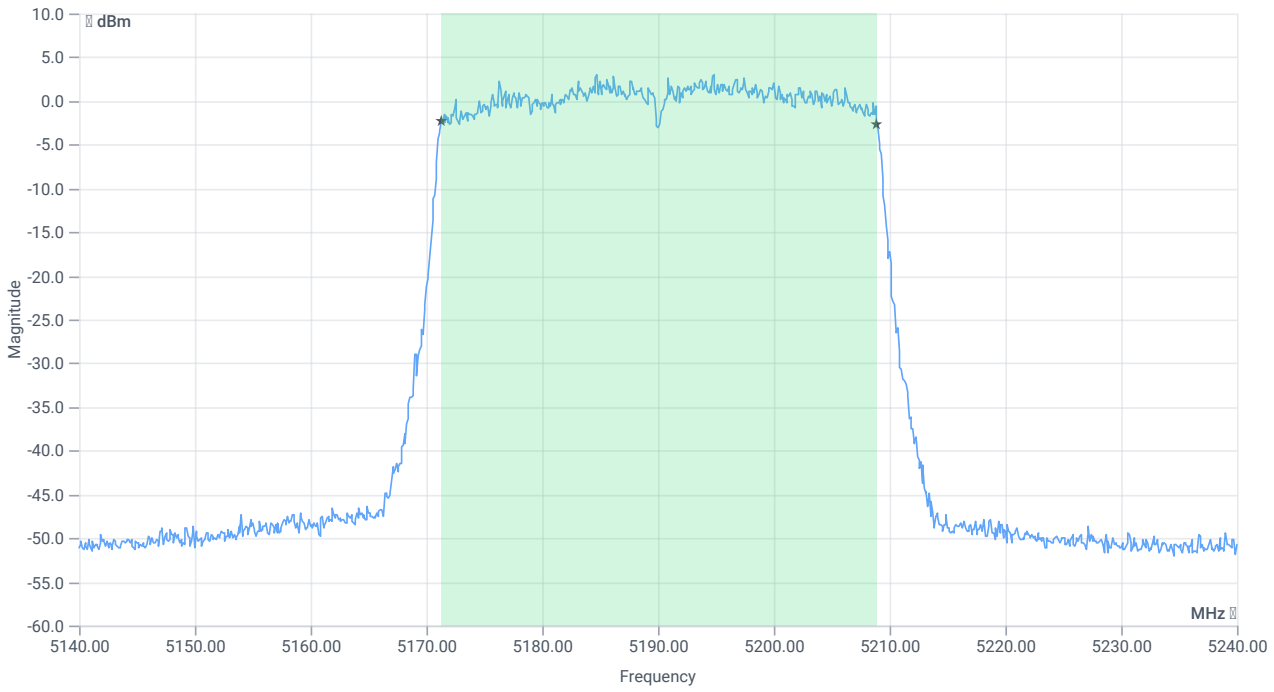
Test at TX 5190 MHz

RESULT: Reference power cond.

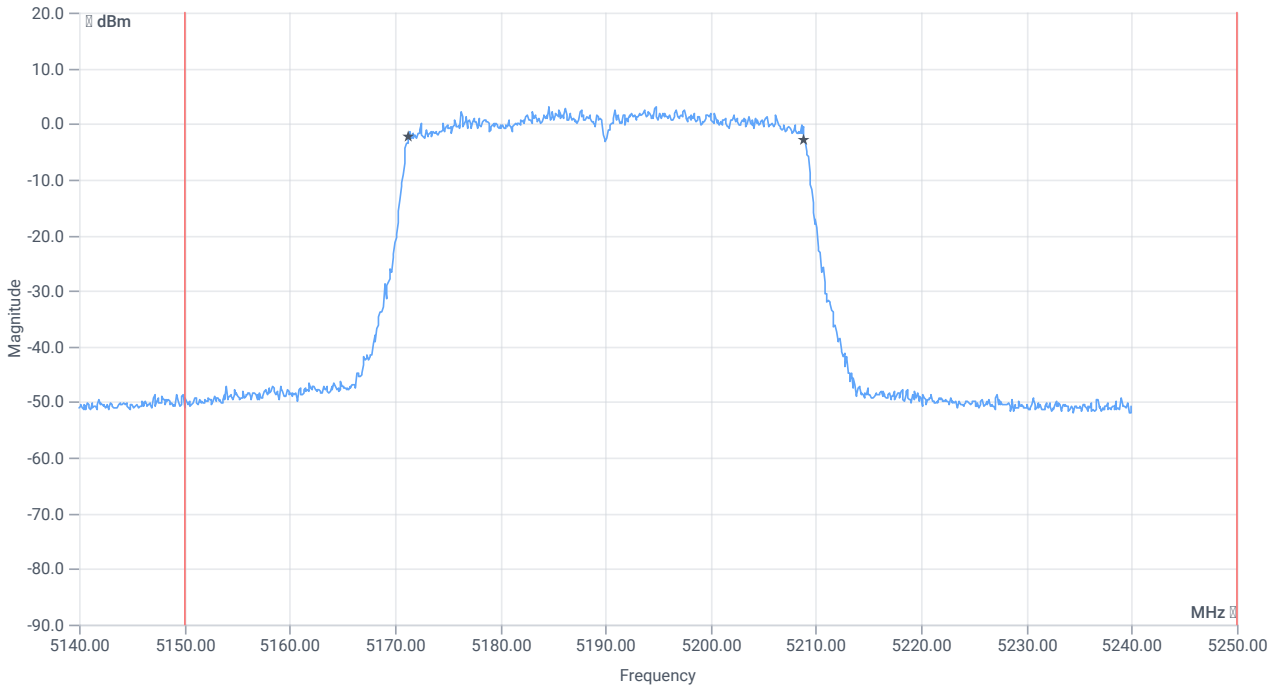
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.37	dBm	INFO
Ref. frequency	---	---	5192.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.37 | 14.04 | 15
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



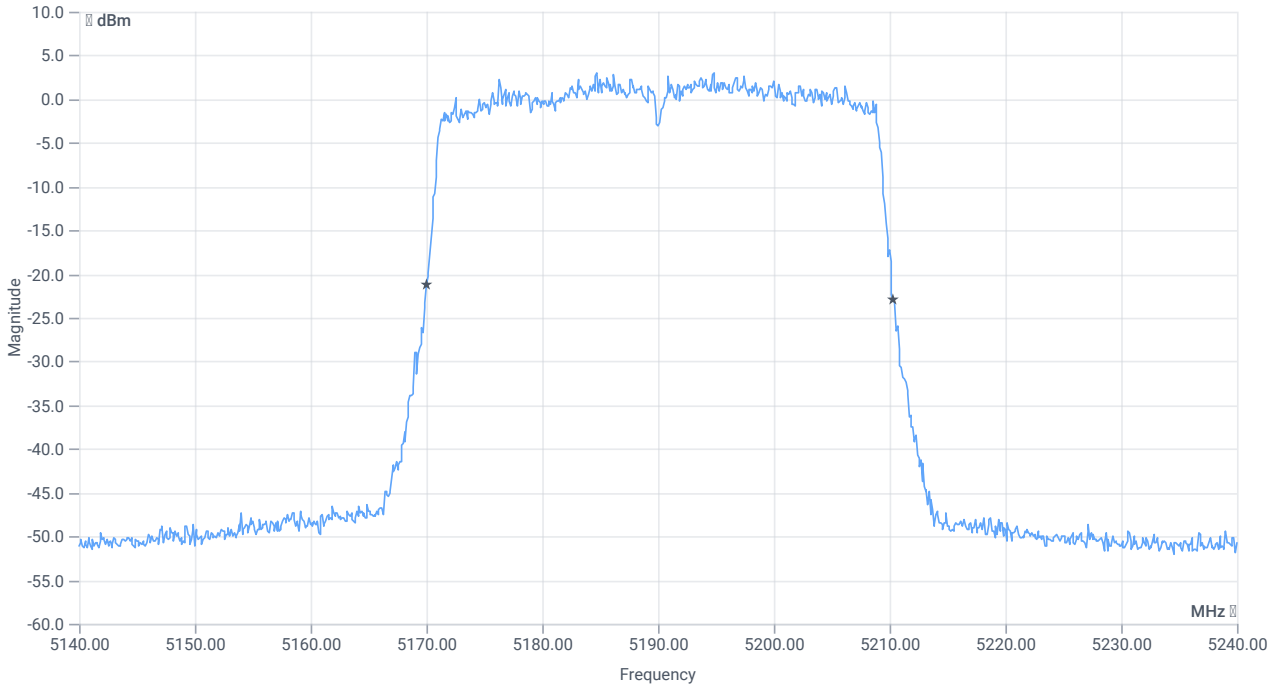
BW 99PCT



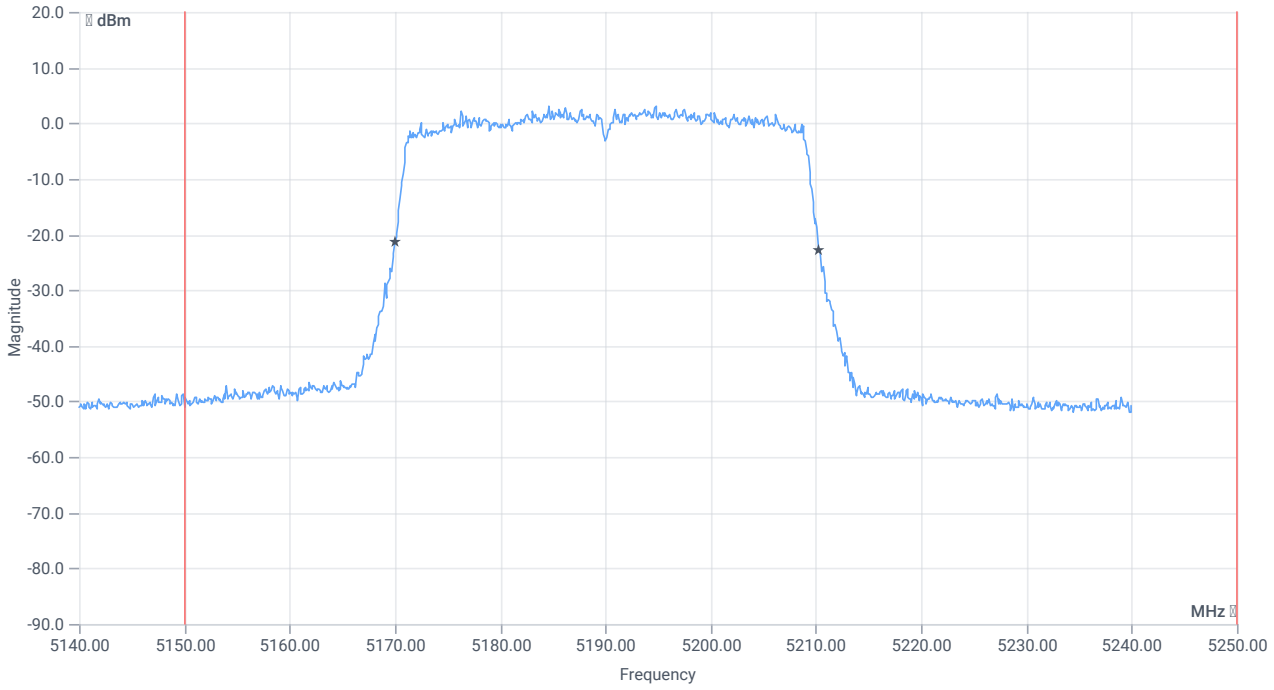
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.562	MHz	INFO
T1 99%	5150.000000	---	5171.3187	MHz	PASS
T2 99%	---	5250.000000	5208.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.3	MHz	INFO
T1 26dB	5150.000000	---	5170.0000	MHz	PASS
T2 26dB	---	5250.000000	5210.3000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	24.11.2025 10:18:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

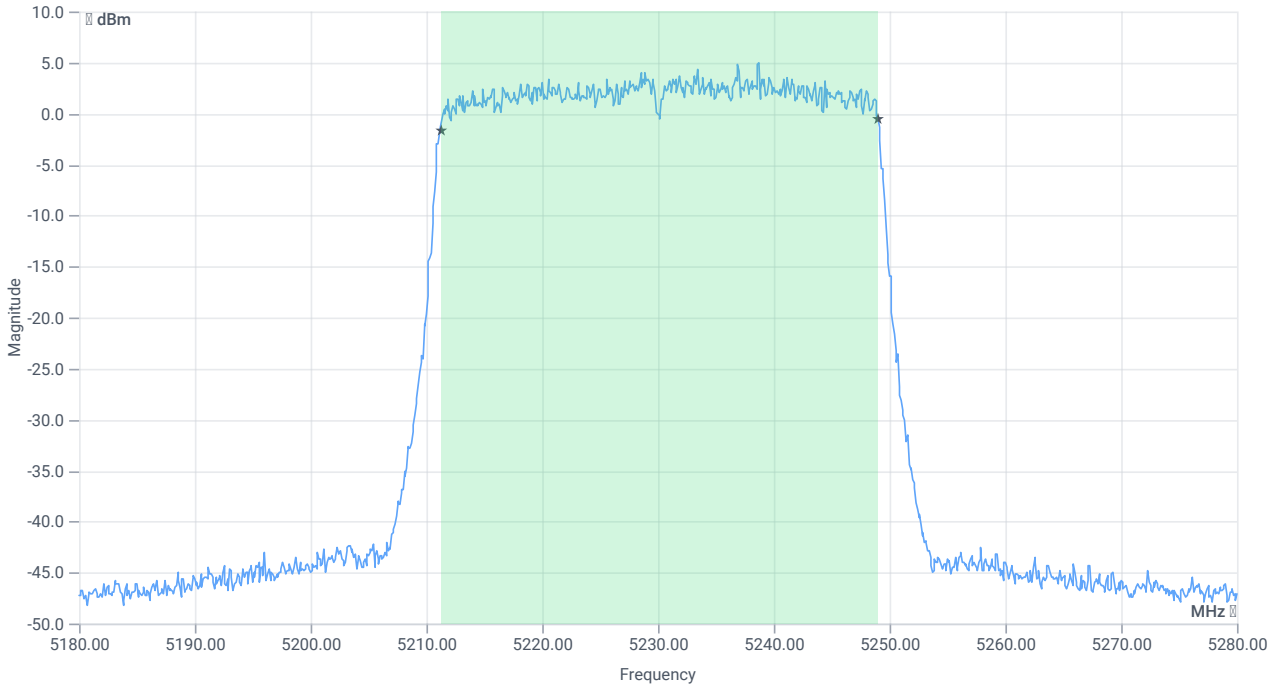
Test at TX 5230 MHz

RESULT: Reference power cond.

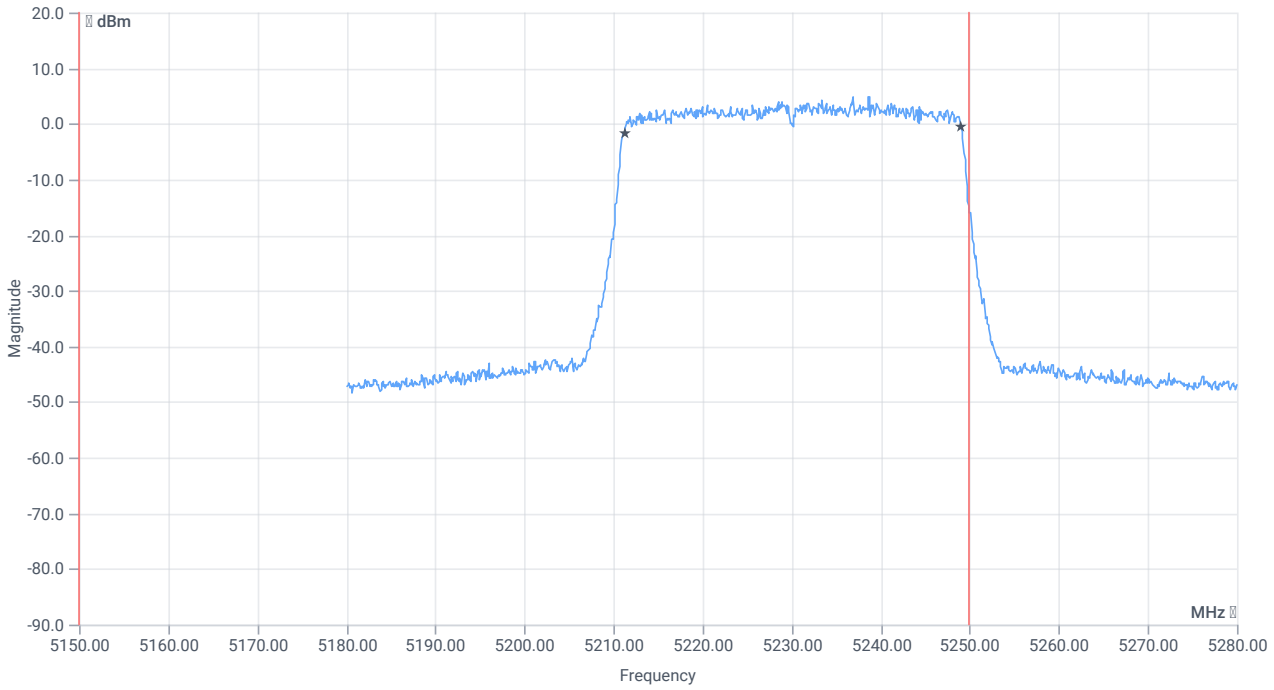
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.46	dBm	INFO
Ref. frequency	---	---	5226.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.46 | 14.38 | 20
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



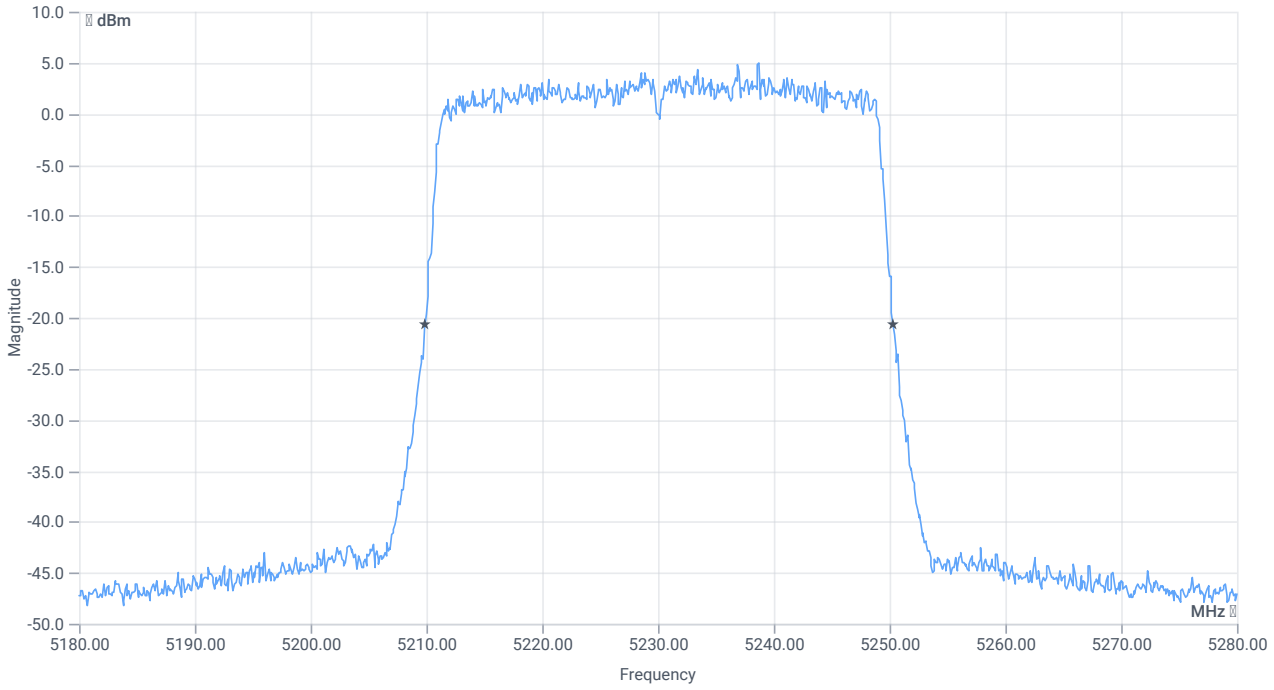
BW 99PCT



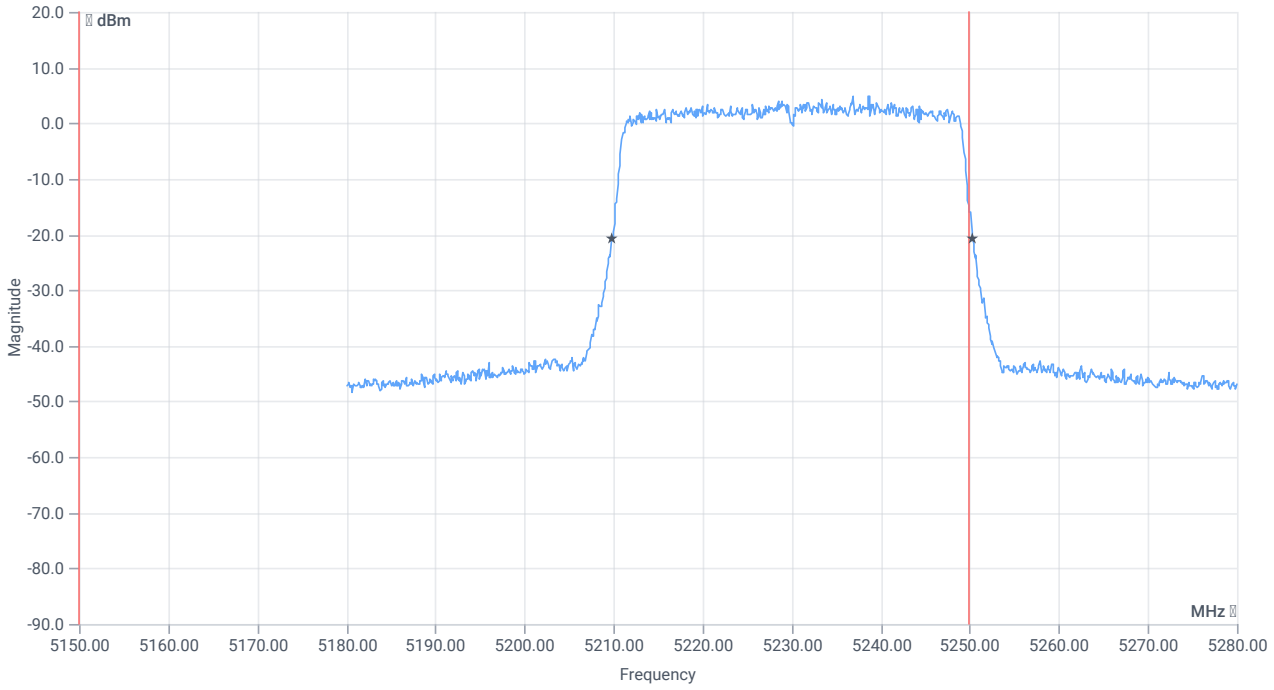
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5150.000000	---	5211.2188	MHz	PASS
T2 99%	---	5250.000000	5248.9810	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.5	MHz	INFO
T1 26dB	5150.000000	---	5209.8000	MHz	PASS
T2 26dB	---	5250.000000	5250.3000	MHz	DFS required

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-1

References

TC start	24.11.2025 10:23:04
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

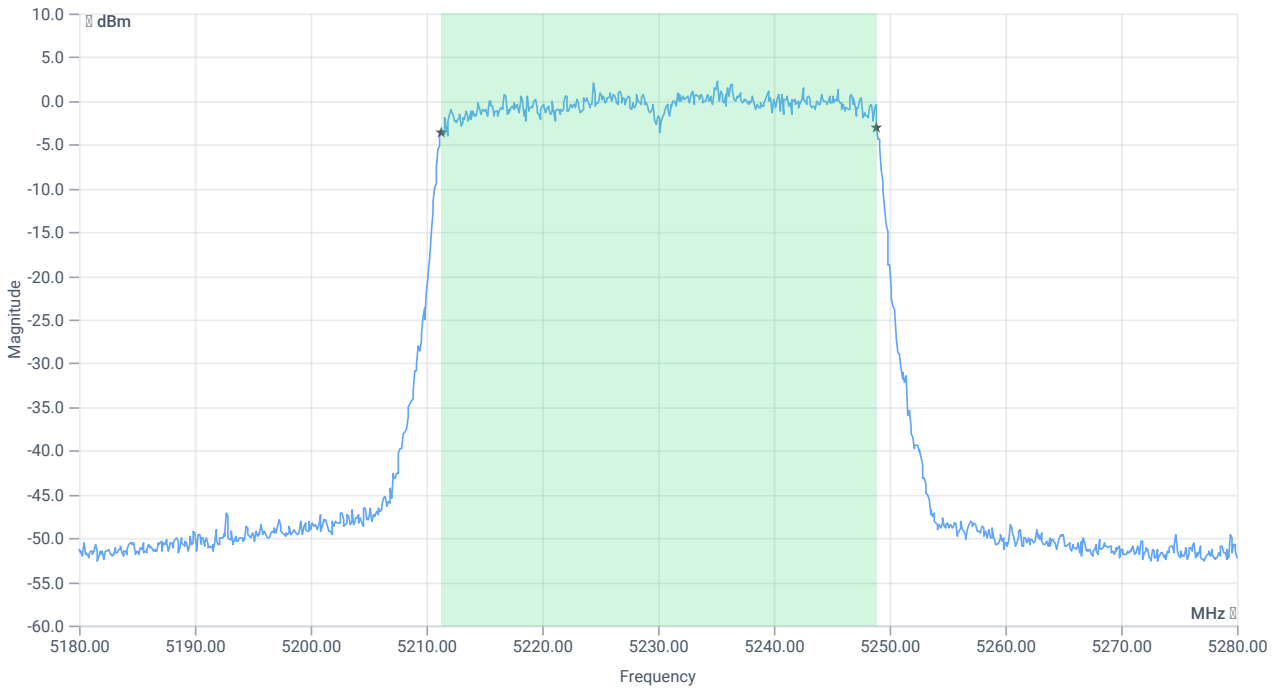
Test at TX 5230 MHz

RESULT: Reference power cond.

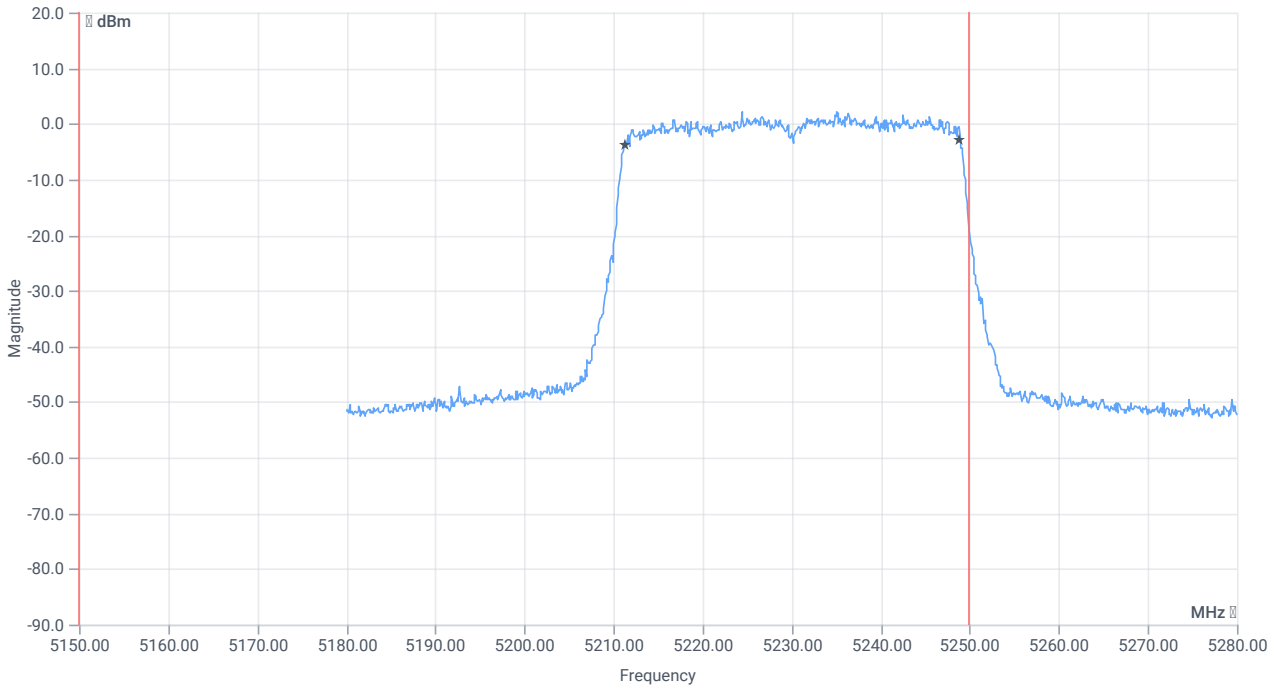
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.88	dBm	INFO
Ref. frequency	---	---	5227.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	10.88 | 13.51 | 15
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



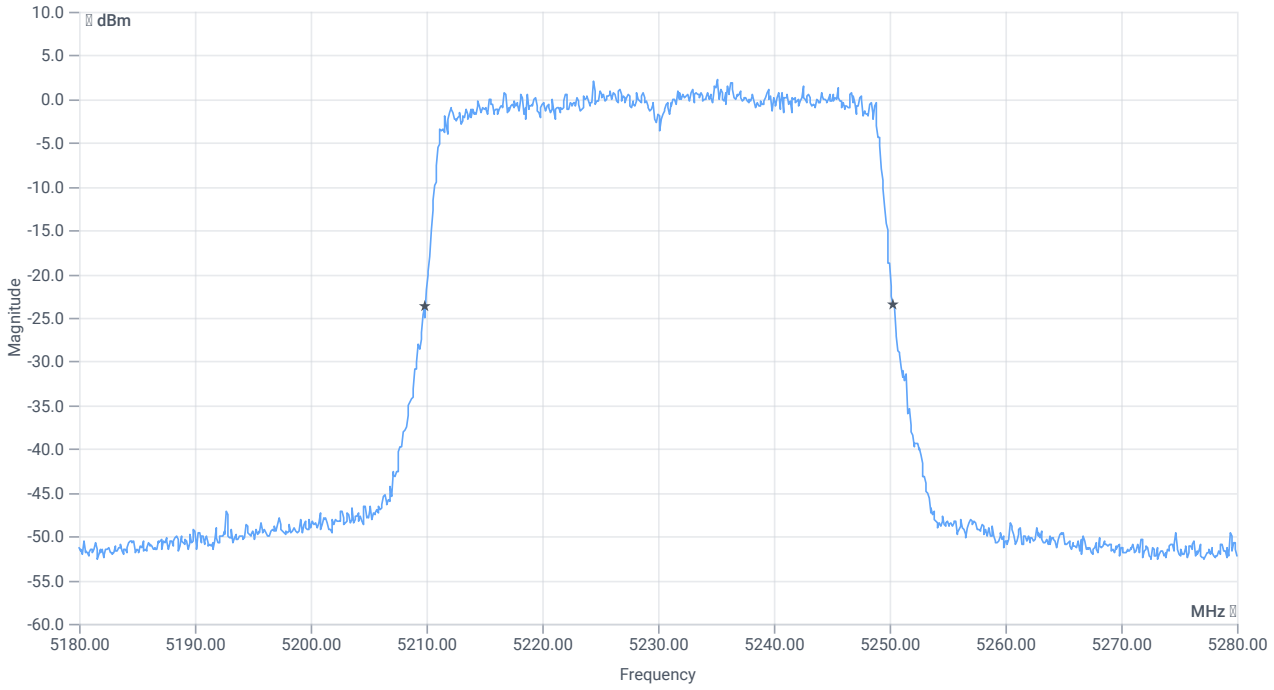
BW 99PCT



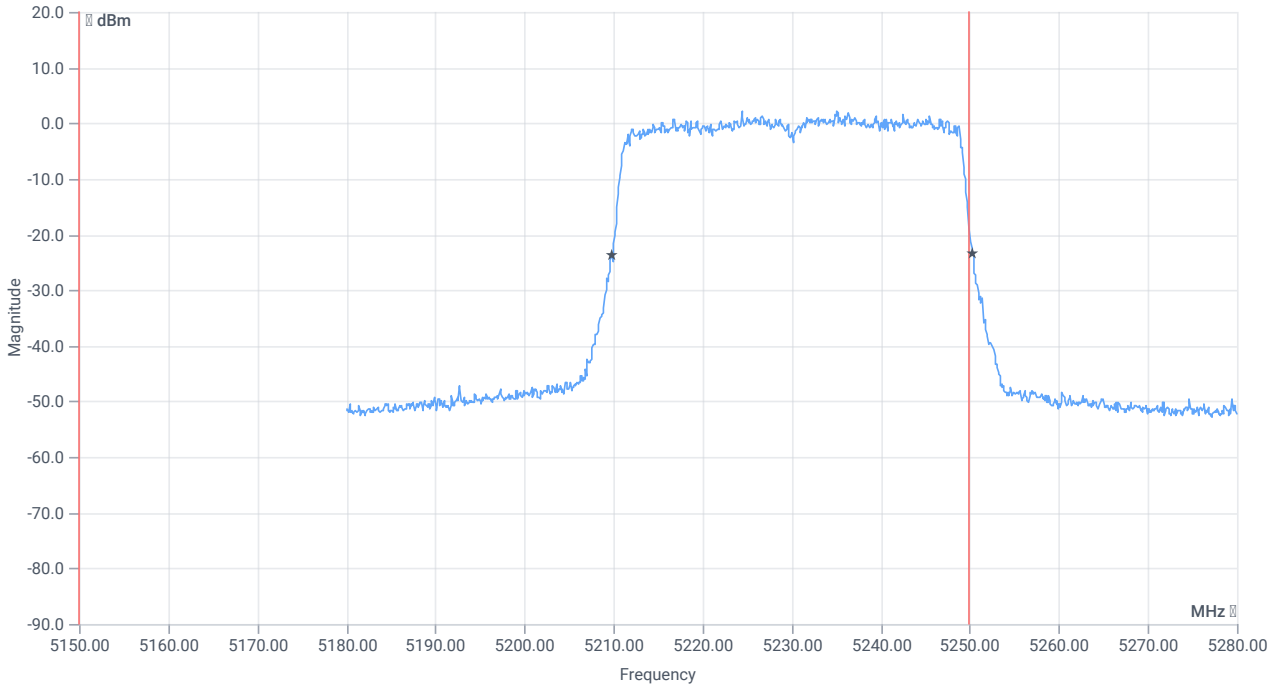
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.562	MHz	INFO
T1 99%	5150.000000	---	5211.3187	MHz	PASS
T2 99%	---	5250.000000	5248.8811	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.5	MHz	INFO
T1 26dB	5150.000000	---	5209.8000	MHz	PASS
T2 26dB	---	5250.000000	5250.3000	MHz	DFS required

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:30:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

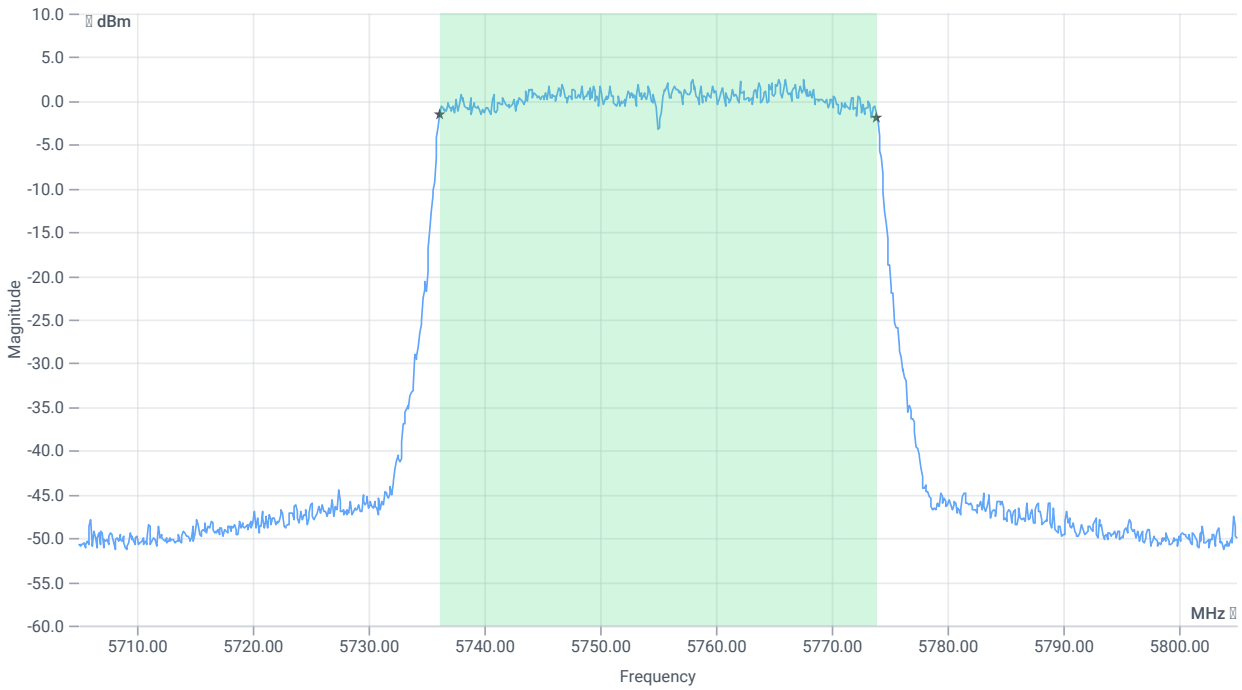
Test at TX 5755 MHz

RESULT: Reference power cond.

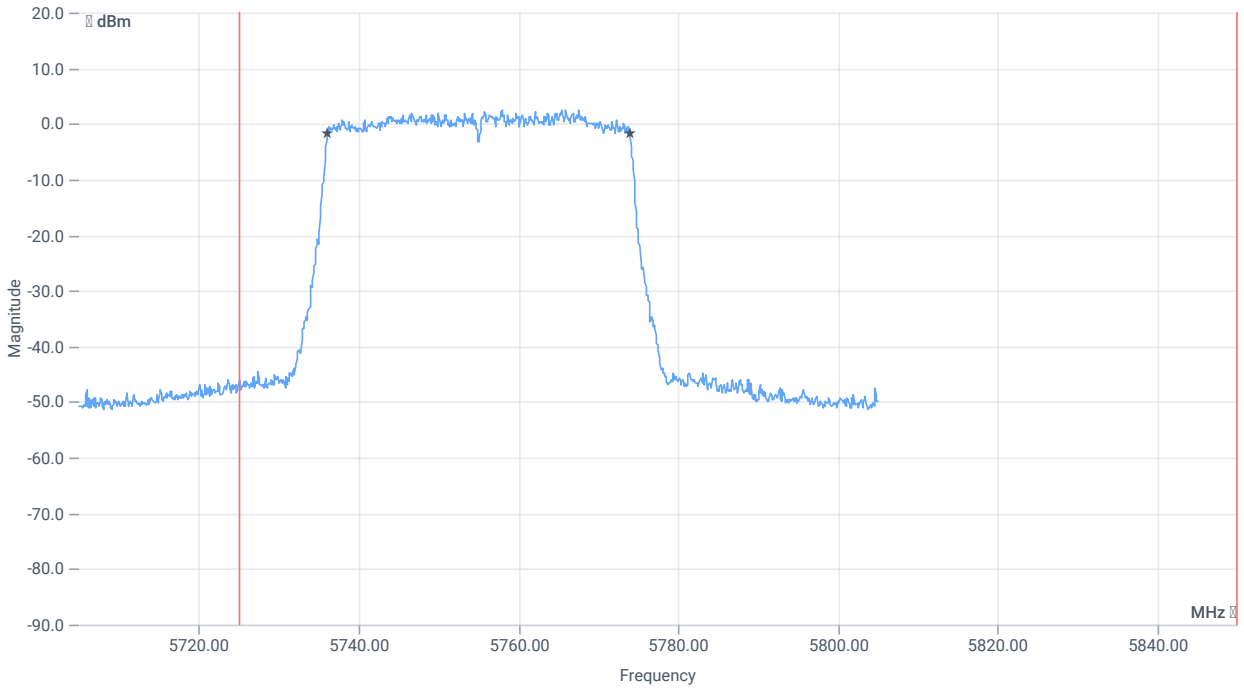
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.89	dBm	INFO
Ref. frequency	---	---	5765.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.89 | 13.98 | 15
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



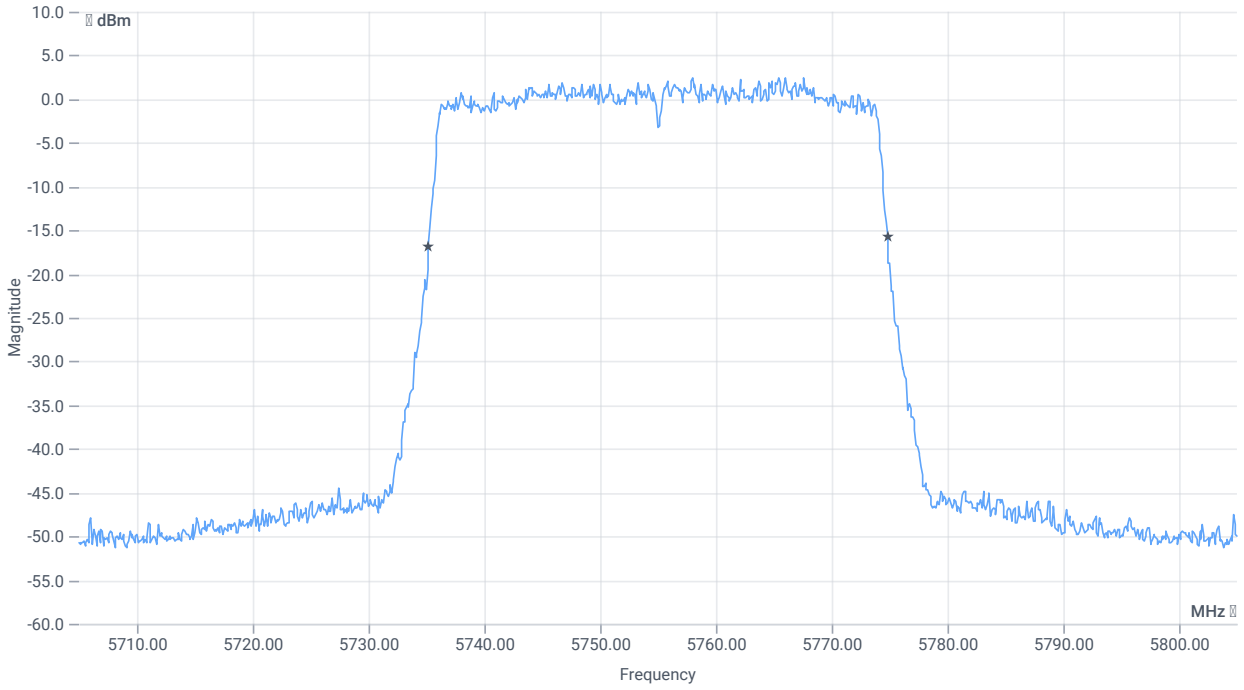
BW 99PCT



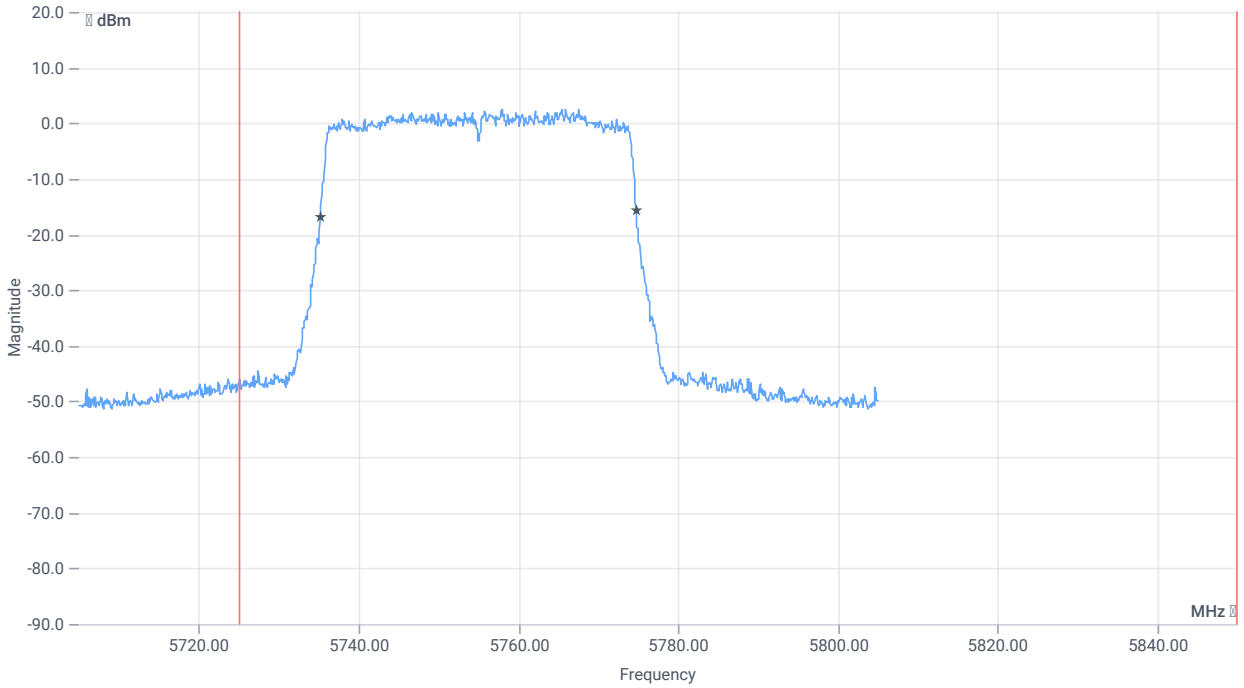
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5725.000000	---	5736.1189	MHz	PASS
T2 99%	---	5850.000000	5773.8811	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	39.6	MHz	INFO
T1 20dB	5725.000000	---	5735.2000	MHz	PASS
T2 20dB	---	5850.000000	5774.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:37:42
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

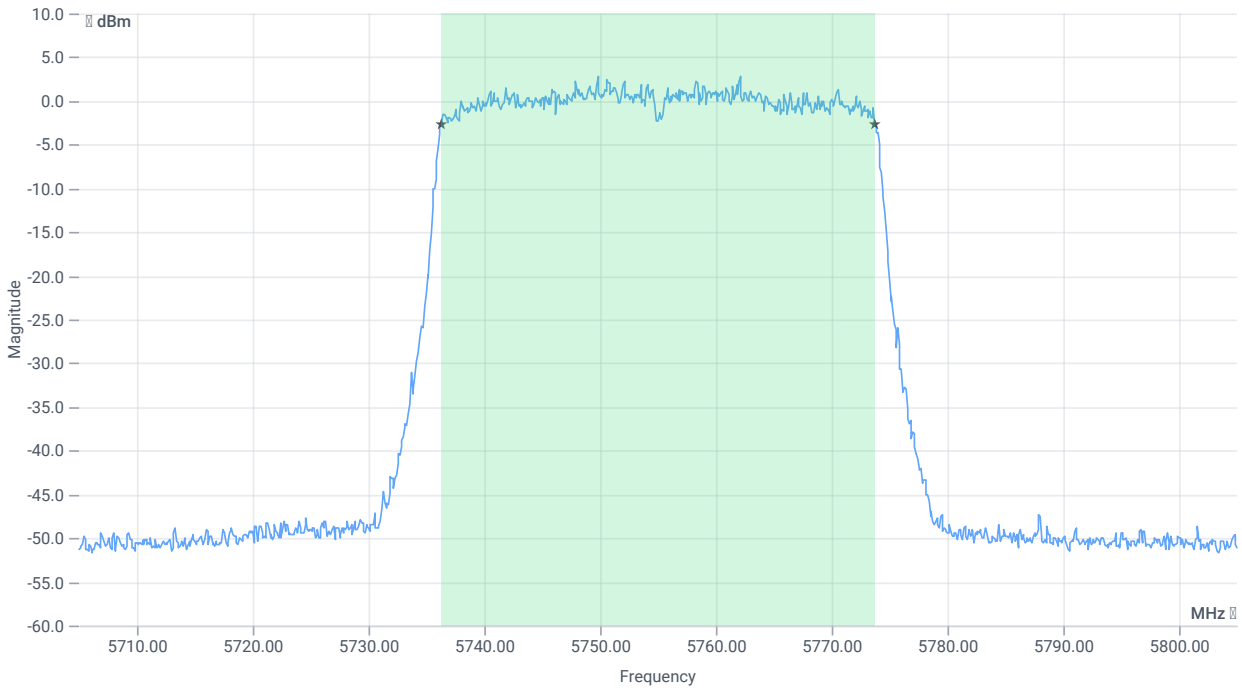
Test at TX 5755 MHz

RESULT: Reference power cond.

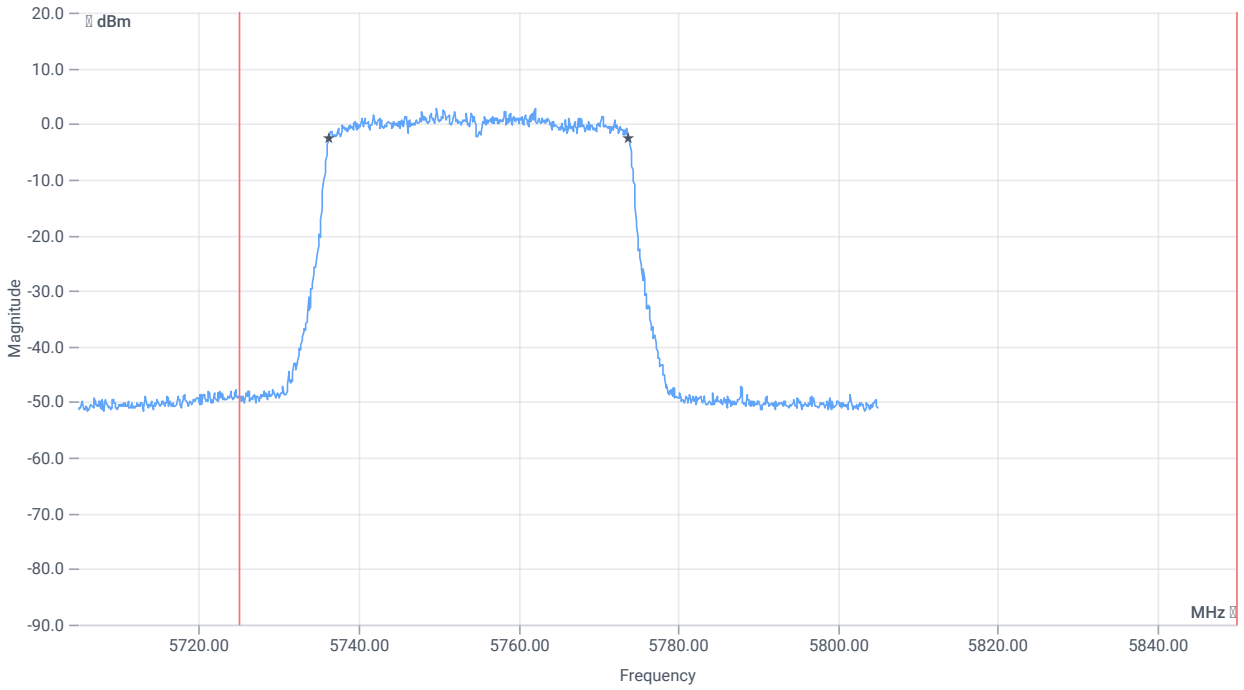
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.86	dBm	INFO
Ref. frequency	---	---	5760.190	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.86 | 13.94 | 15
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



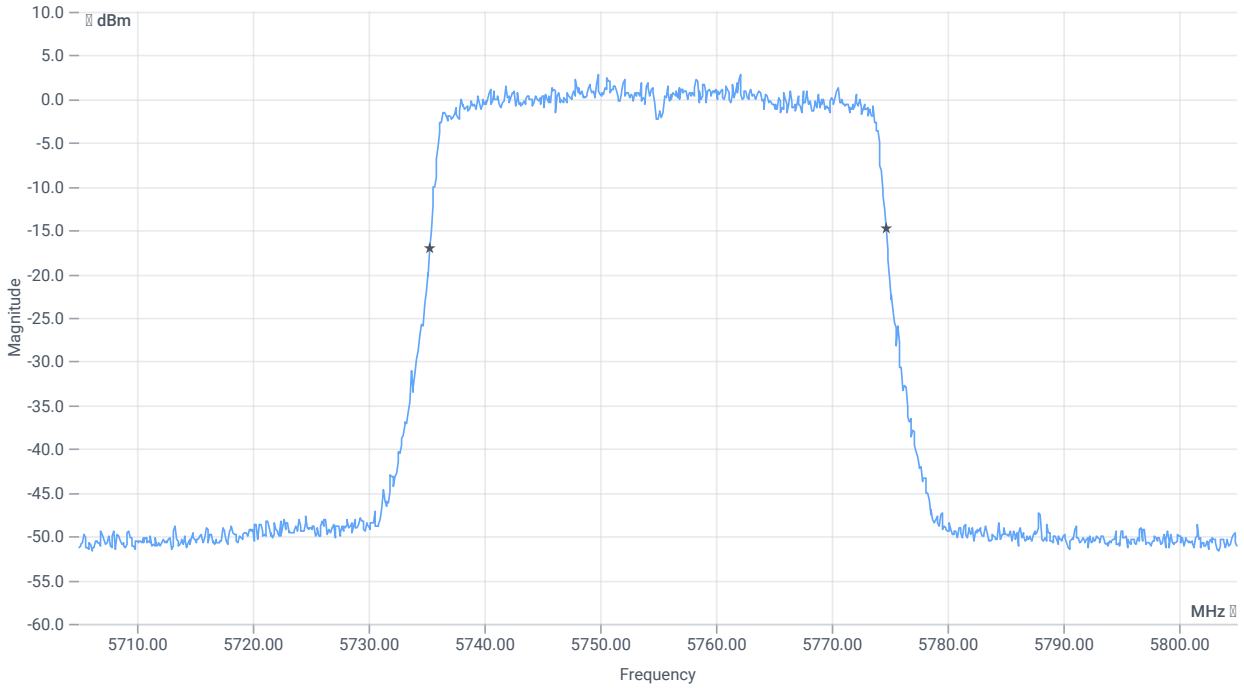
BW 99PCT



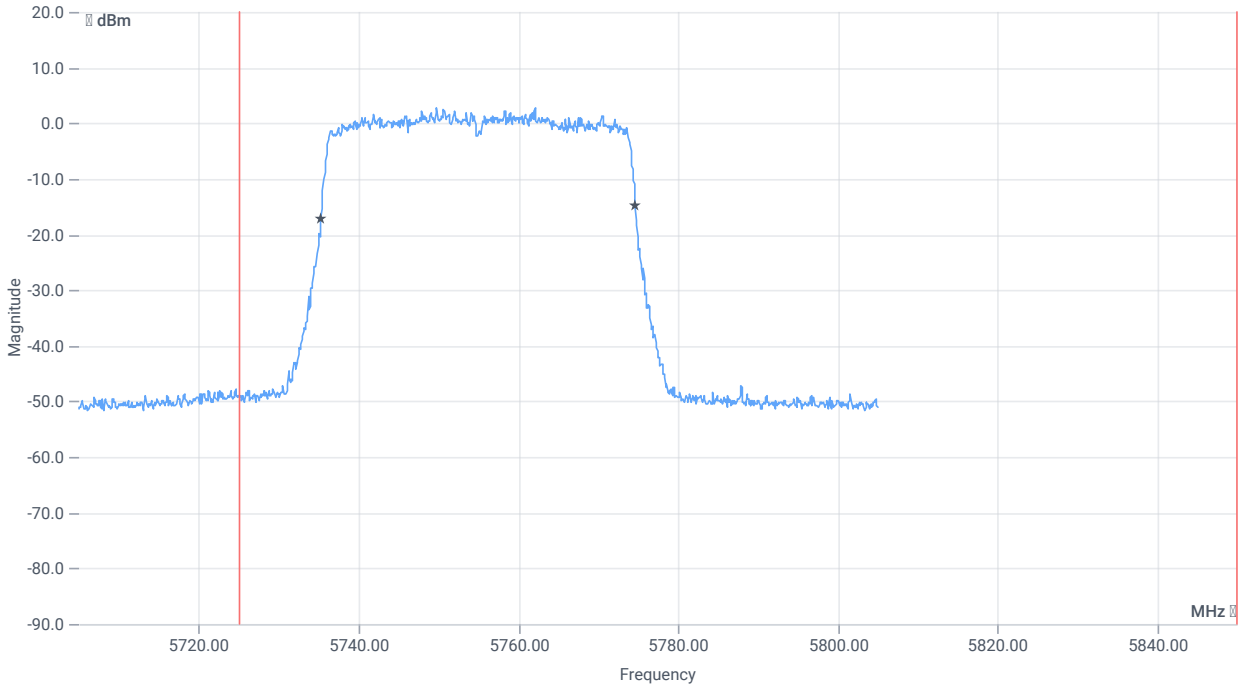
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.463	MHz	INFO
T1 99%	5725.000000	---	5736.3187	MHz	PASS
T2 99%	---	5850.000000	5773.7812	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	39.4	MHz	INFO
T1 20dB	5725.000000	---	5735.3000	MHz	PASS
T2 20dB	---	5850.000000	5774.7000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:45:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

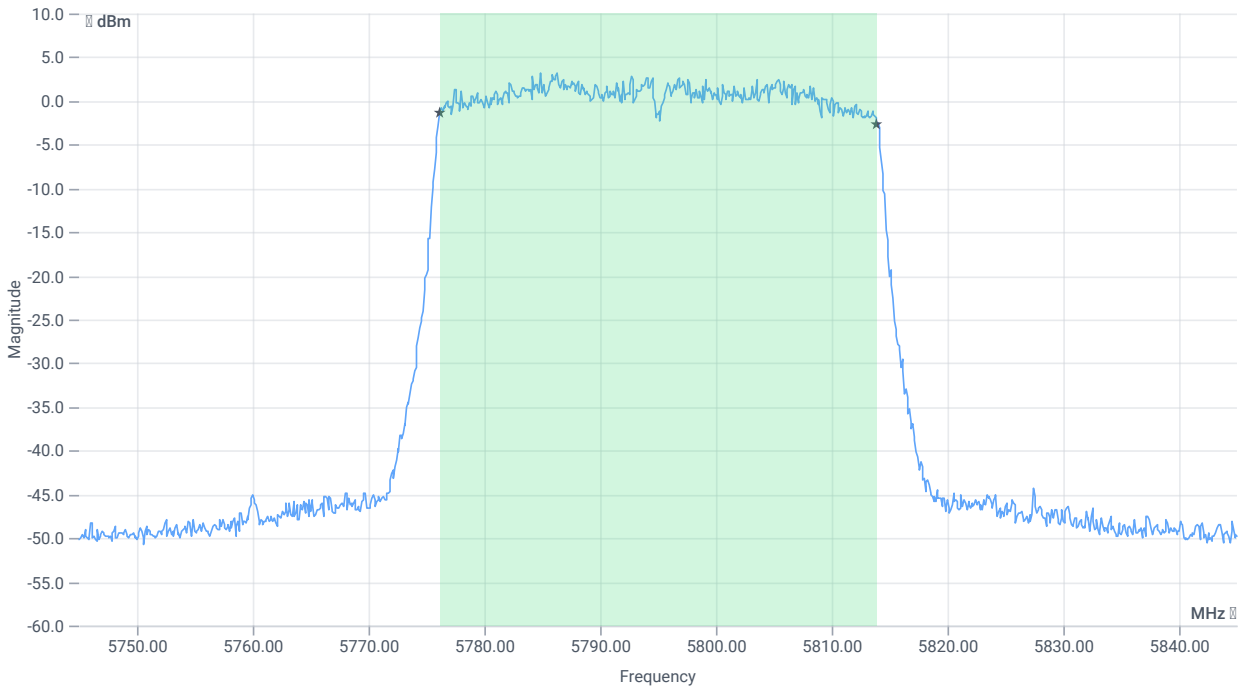
Test at TX 5795 MHz

RESULT: Reference power cond.

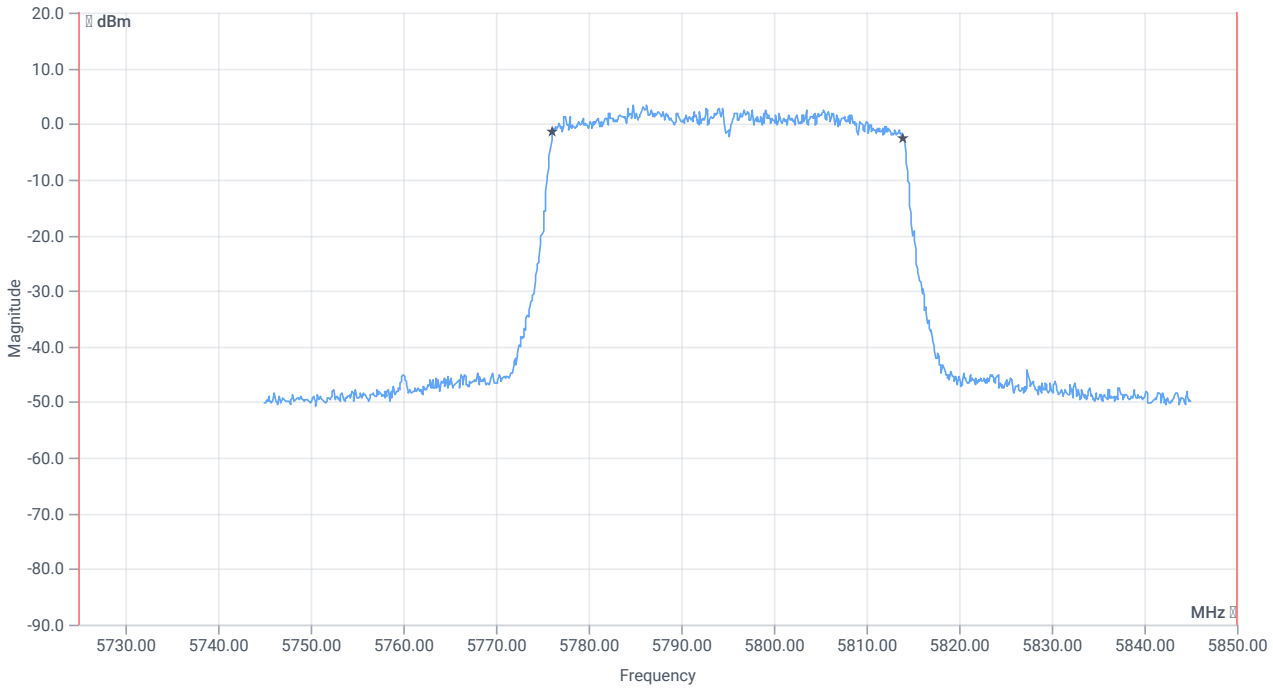
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.80	dBm	INFO
Ref. frequency	---	---	5784.810	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.80 | 14.49 | 15
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



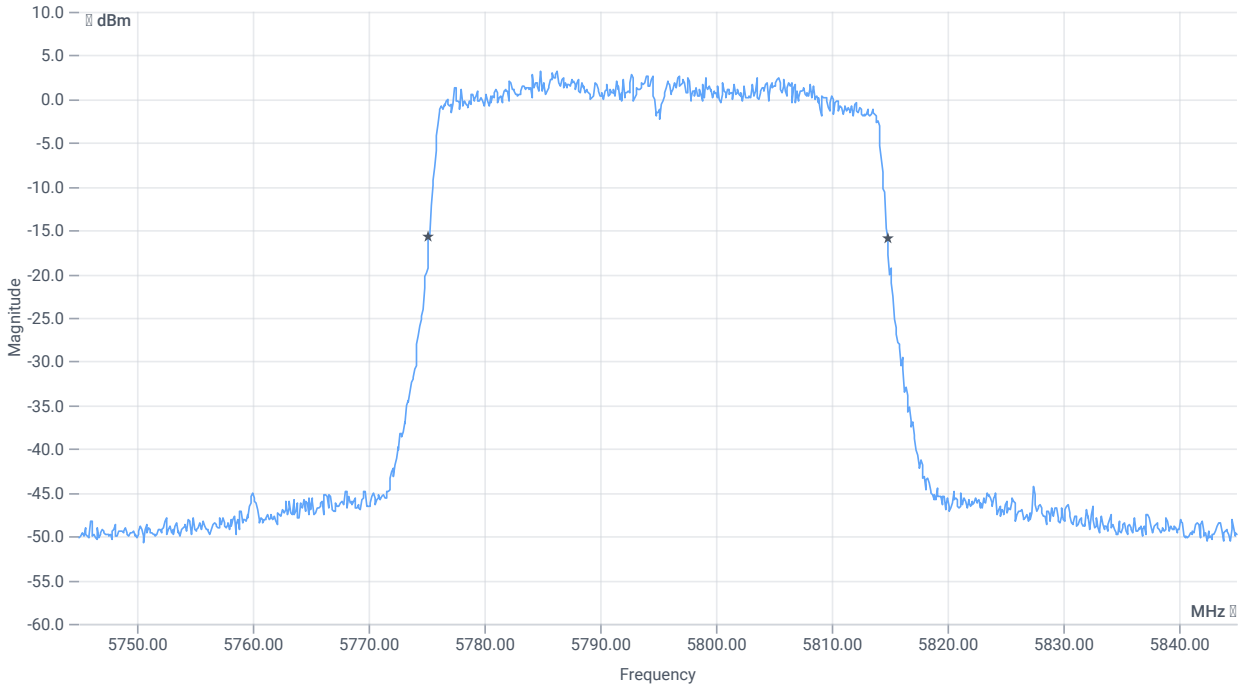
BW 99PCT



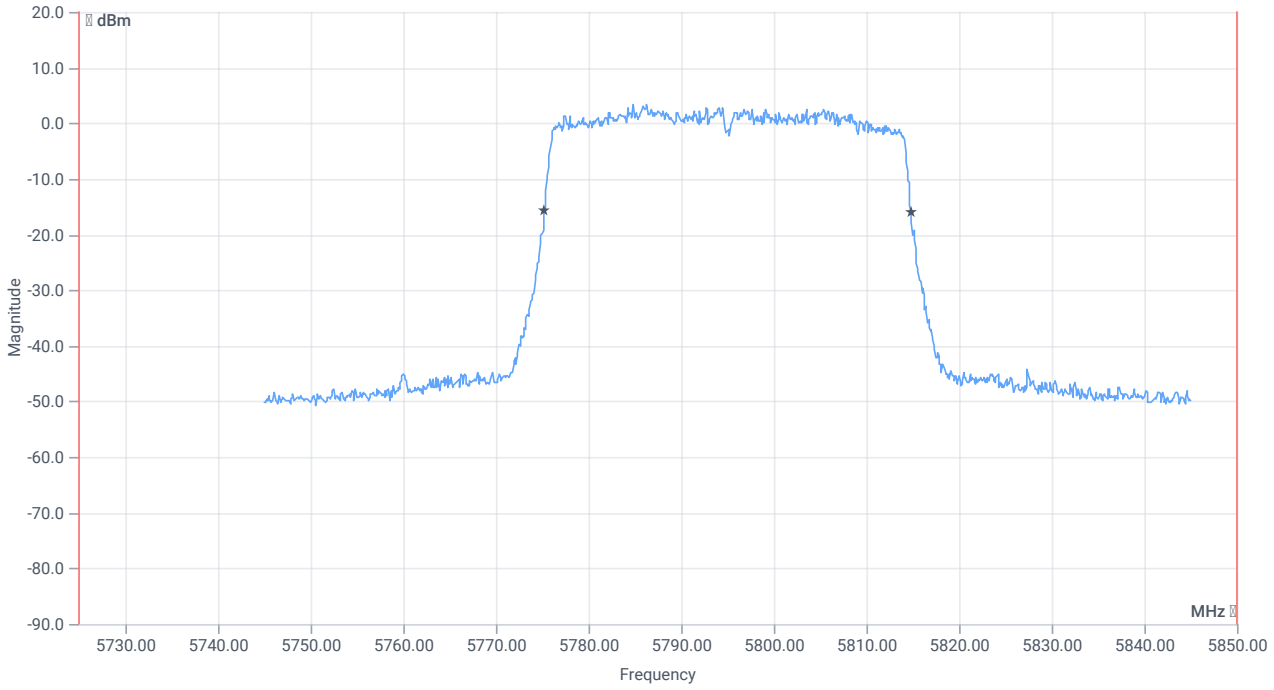
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.762	MHz	INFO
T1 99%	5725.000000	---	5776.1189	MHz	PASS
T2 99%	---	5850.000000	5813.8811	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	39.6	MHz	INFO
T1 20dB	5725.000000	---	5775.2000	MHz	PASS
T2 20dB	---	5850.000000	5814.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:53:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

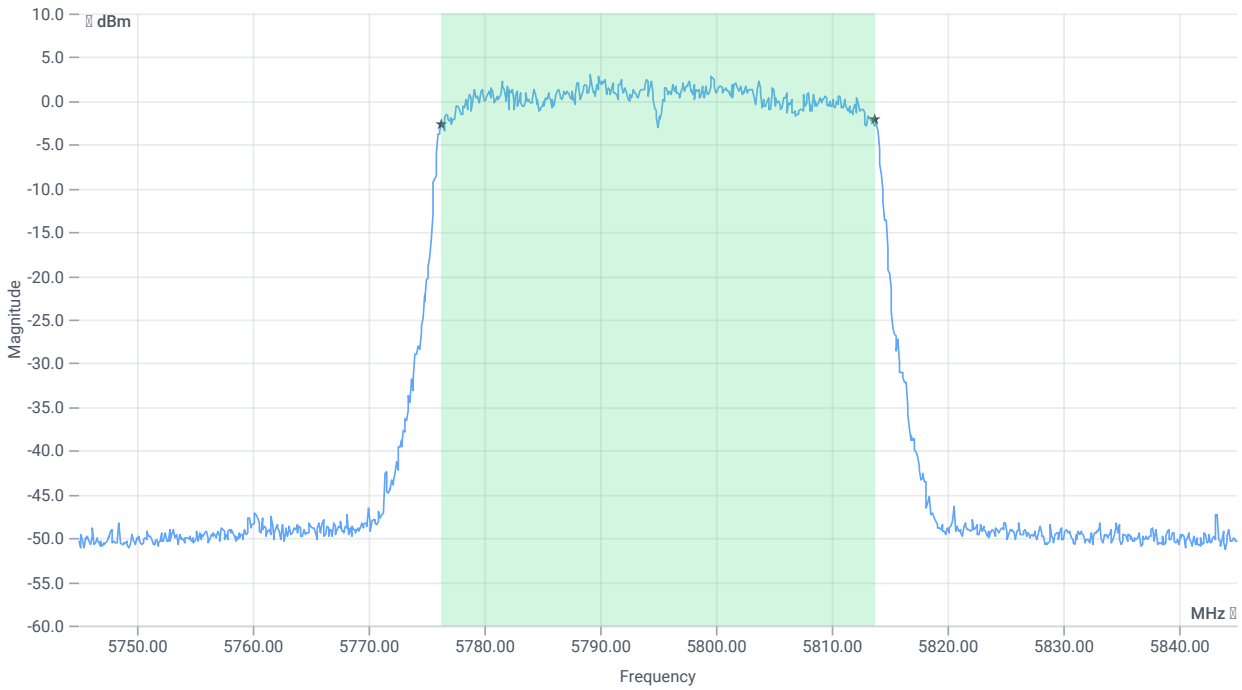
Test at TX 5795 MHz

RESULT: Reference power cond.

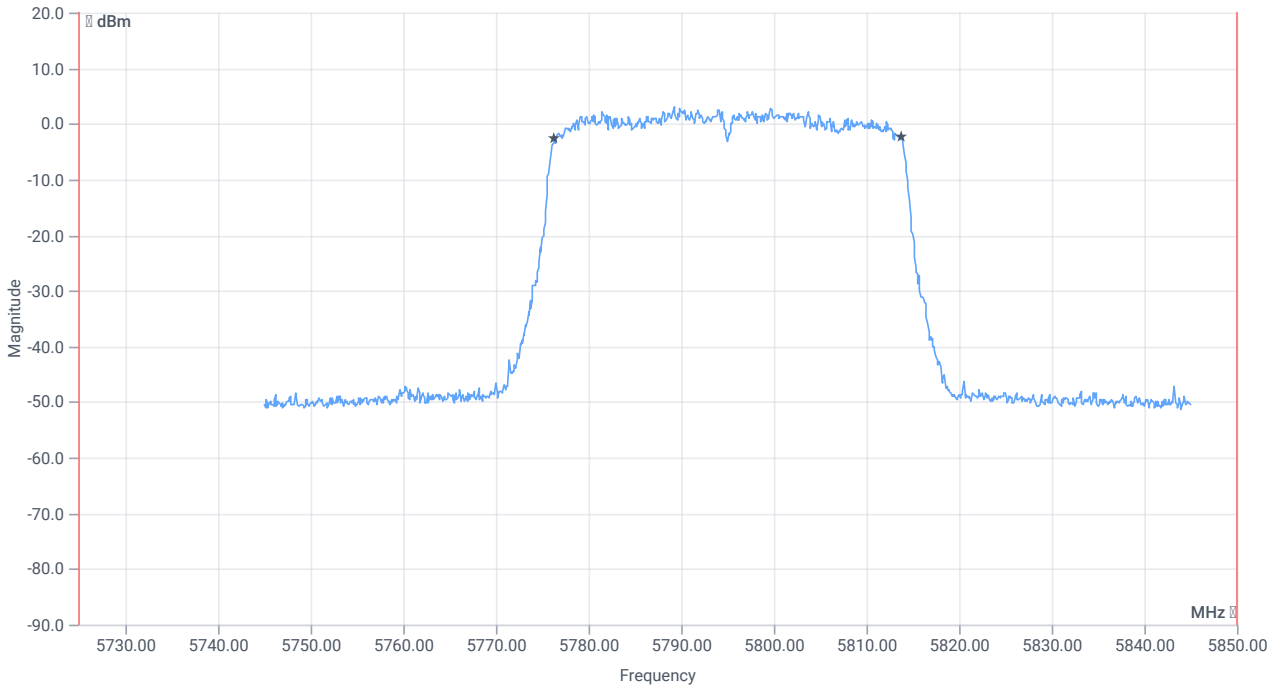
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.90	dBm	INFO
Ref. frequency	---	---	5792.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.90 | 14.3 | 15
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



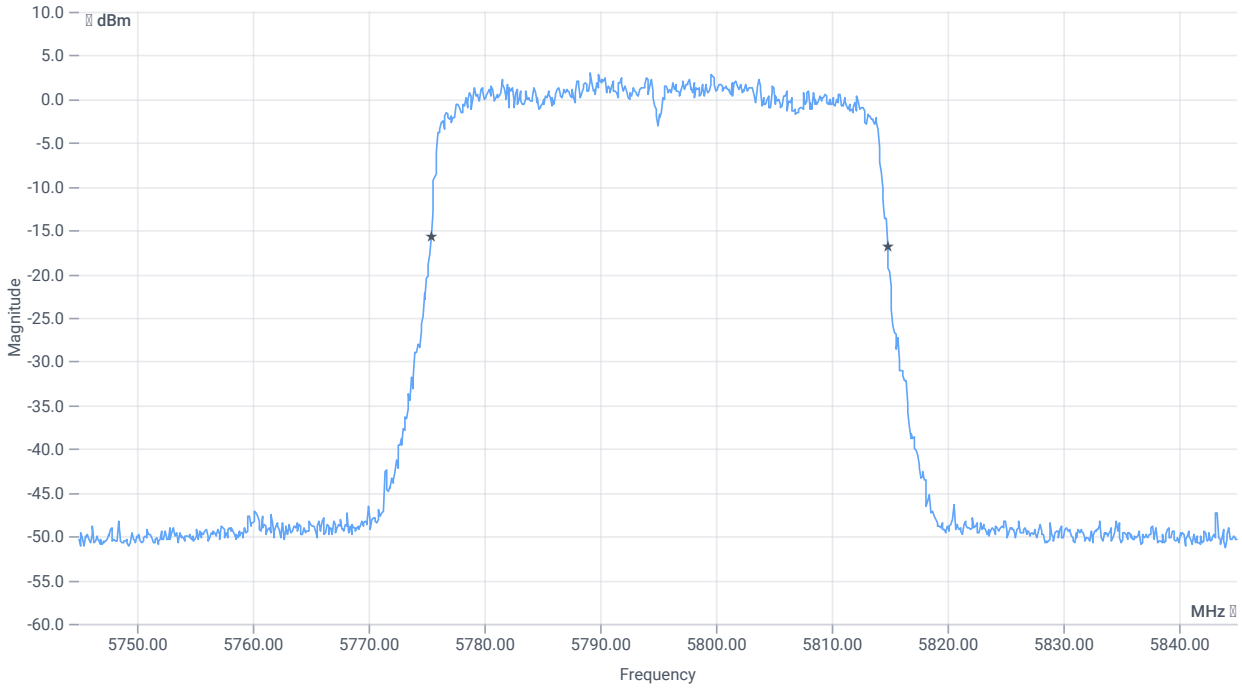
BW 99PCT



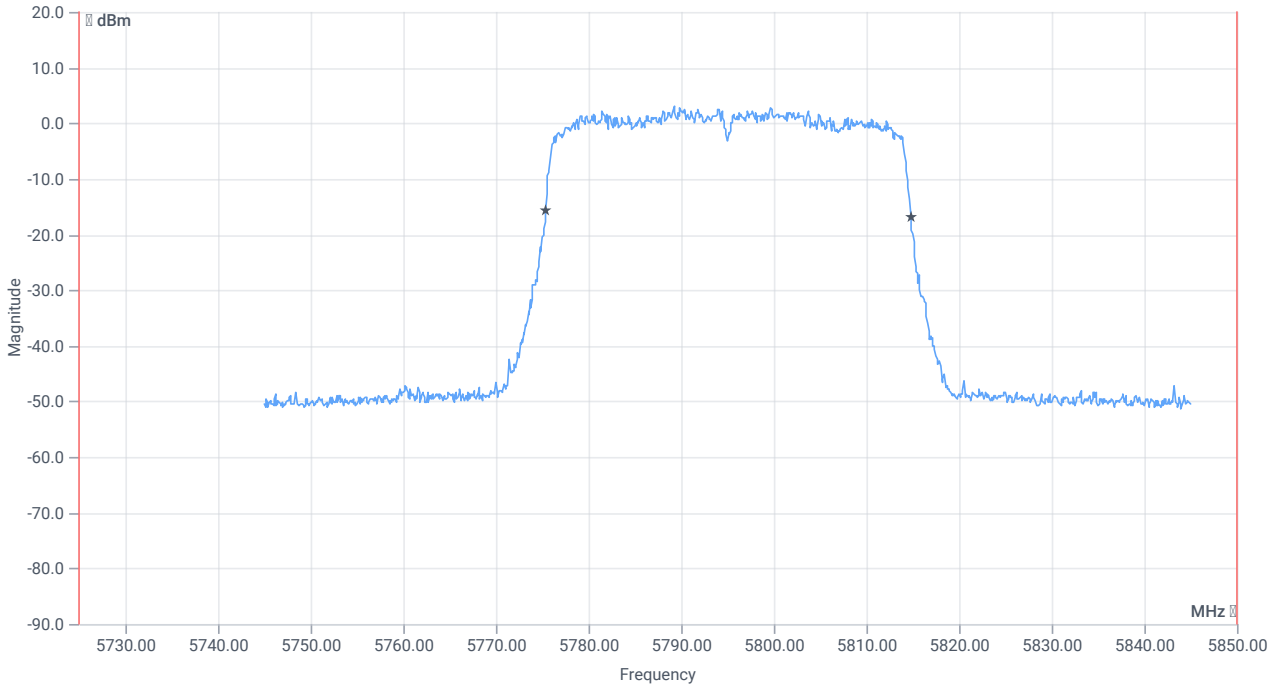
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	37.463	MHz	INFO
T1 99%	5725.000000	---	5776.3187	MHz	PASS
T2 99%	---	5850.000000	5813.7812	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	39.4	MHz	INFO
T1 20dB	5725.000000	---	5775.4000	MHz	PASS
T2 20dB	---	5850.000000	5814.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:31:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

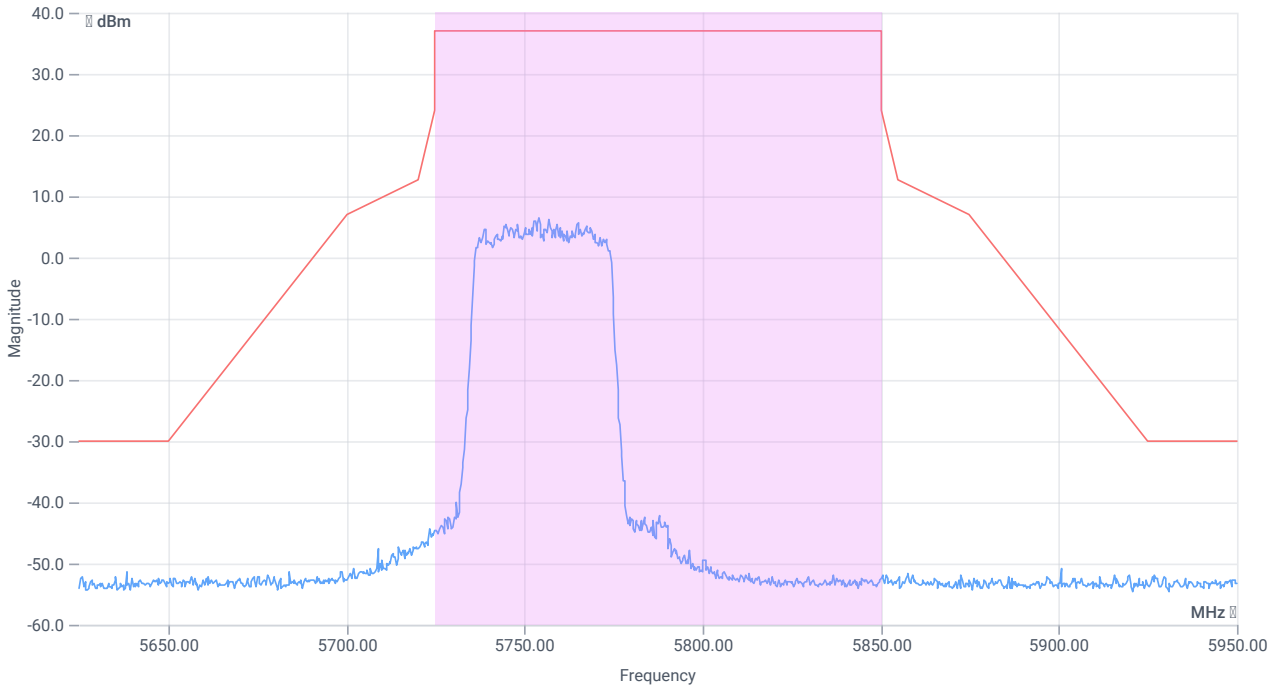
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.14	dBm	INFO
Ref. frequency	---	---	5762.990	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.14 | 13.98 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:38:40
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

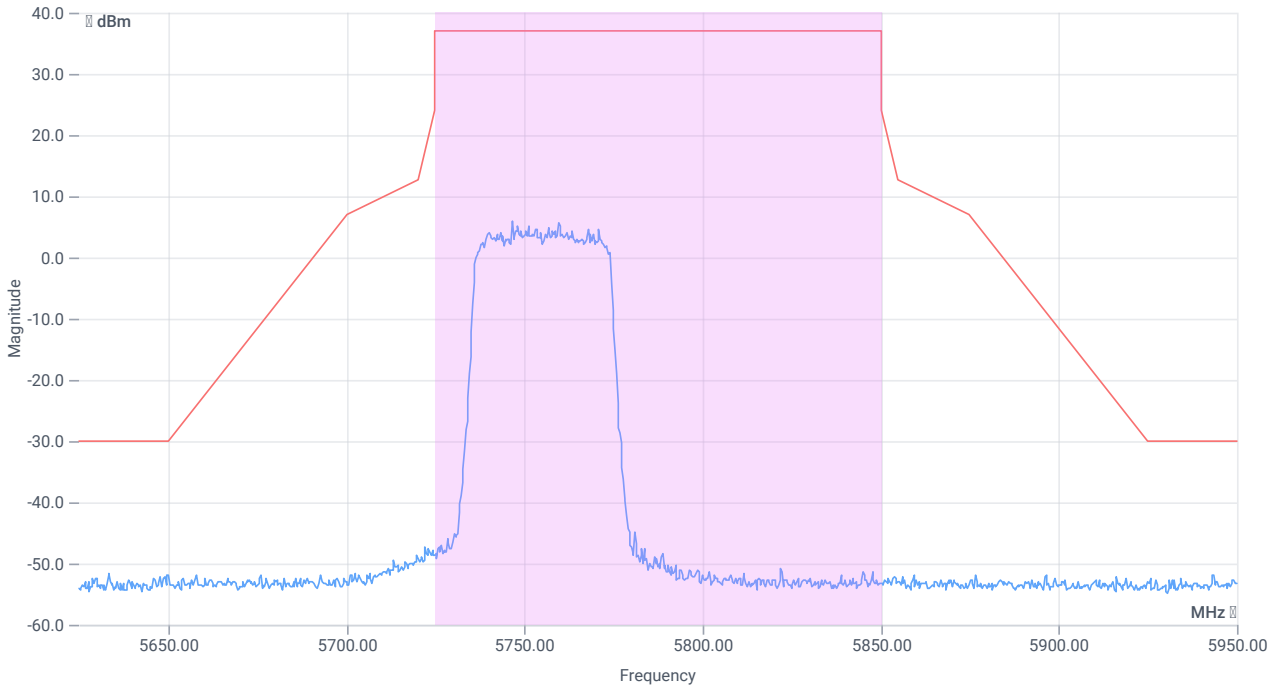
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.72	dBm	INFO
Ref. frequency	---	---	5757.800	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.72 | 13.94 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:46:55
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

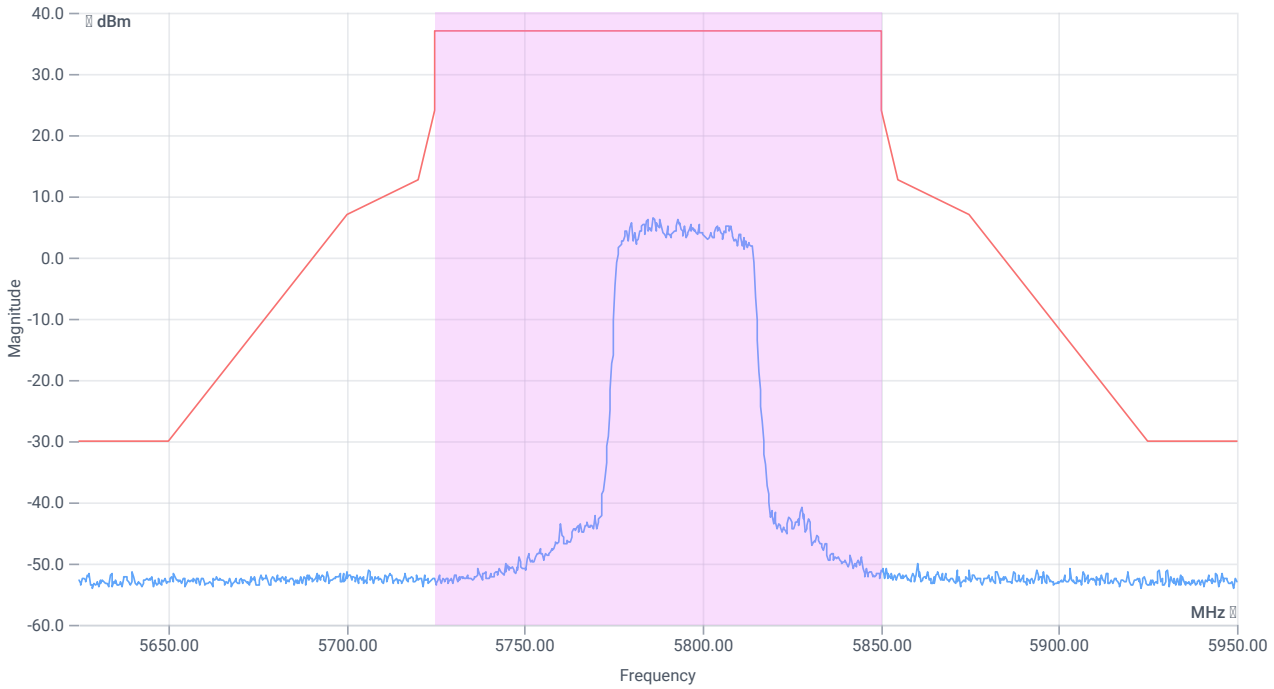
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.48	dBm	INFO
Ref. frequency	---	---	5801.990	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.48 | 14.49 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:54:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

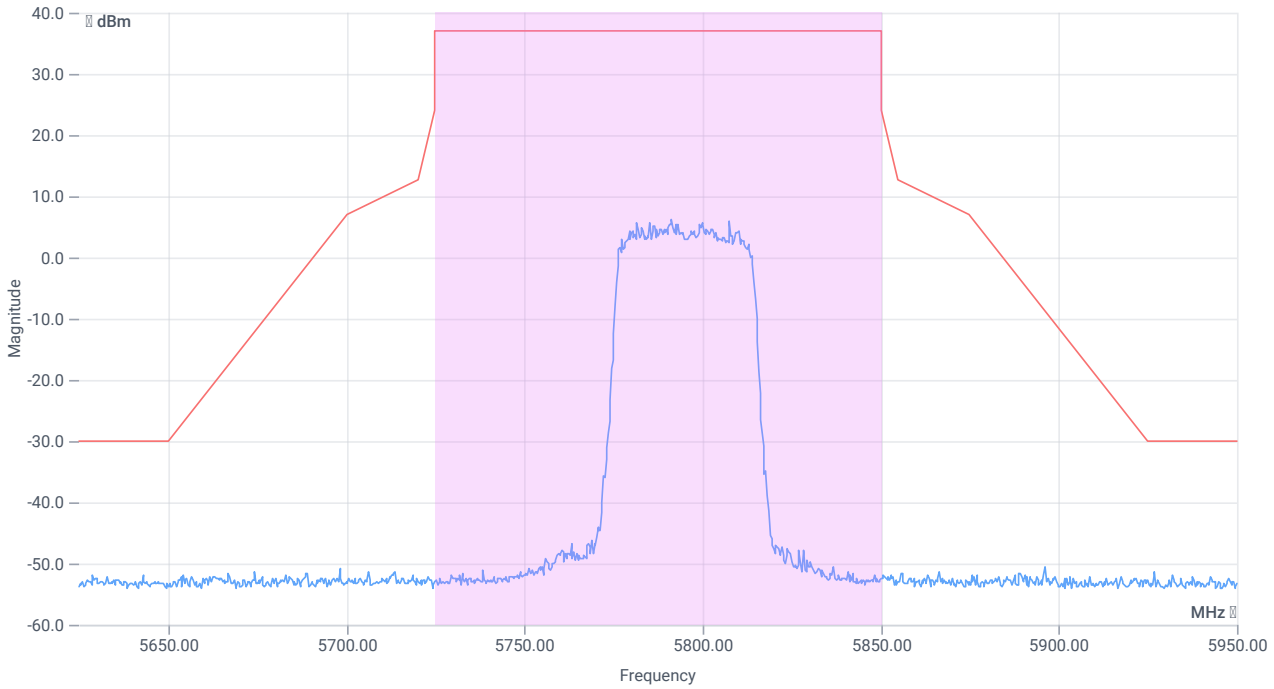
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.58	dBm	INFO
Ref. frequency	---	---	5783.810	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.58 | 14.3 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

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

References

TC start	25.11.2025 09:54:01
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

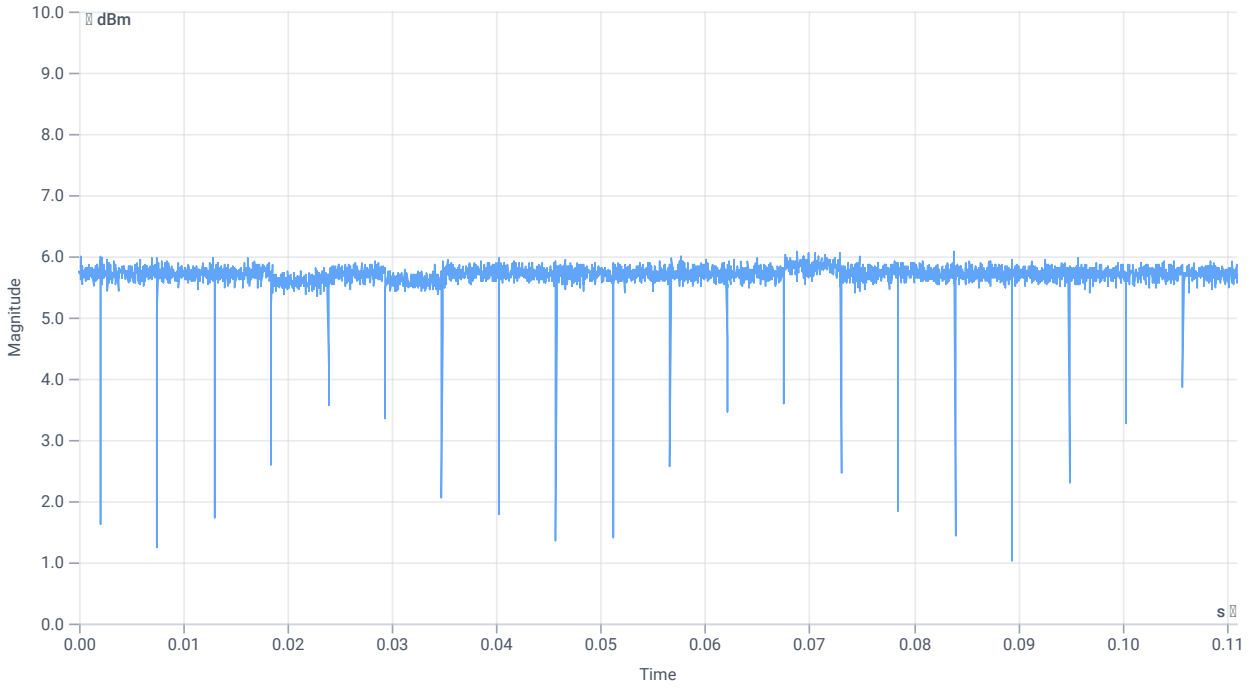
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.95	dBm	INFO
Ref. frequency	---	---	5261.610	MHz	INFO

Evaluation max. duty cycle

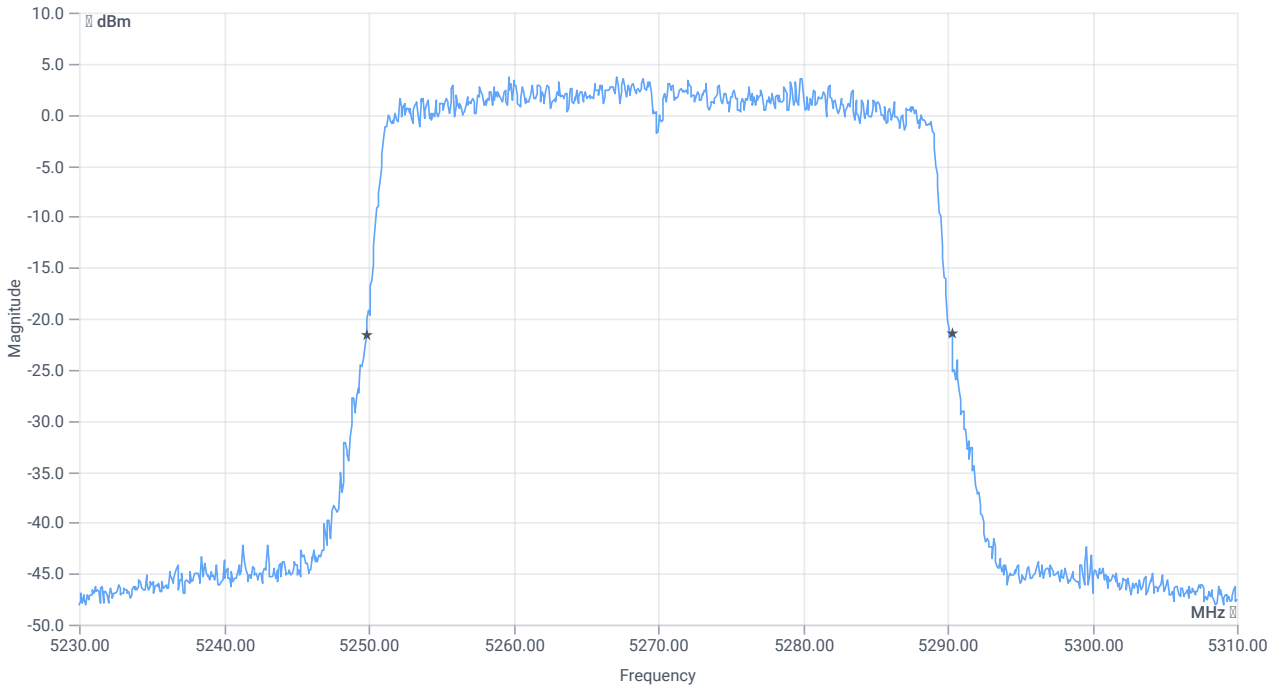
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.48	MHz	INFO
T1 26dB	---	---	5249.8400	MHz	INFO
T2 26dB	---	---	5290.3200	MHz	INFO

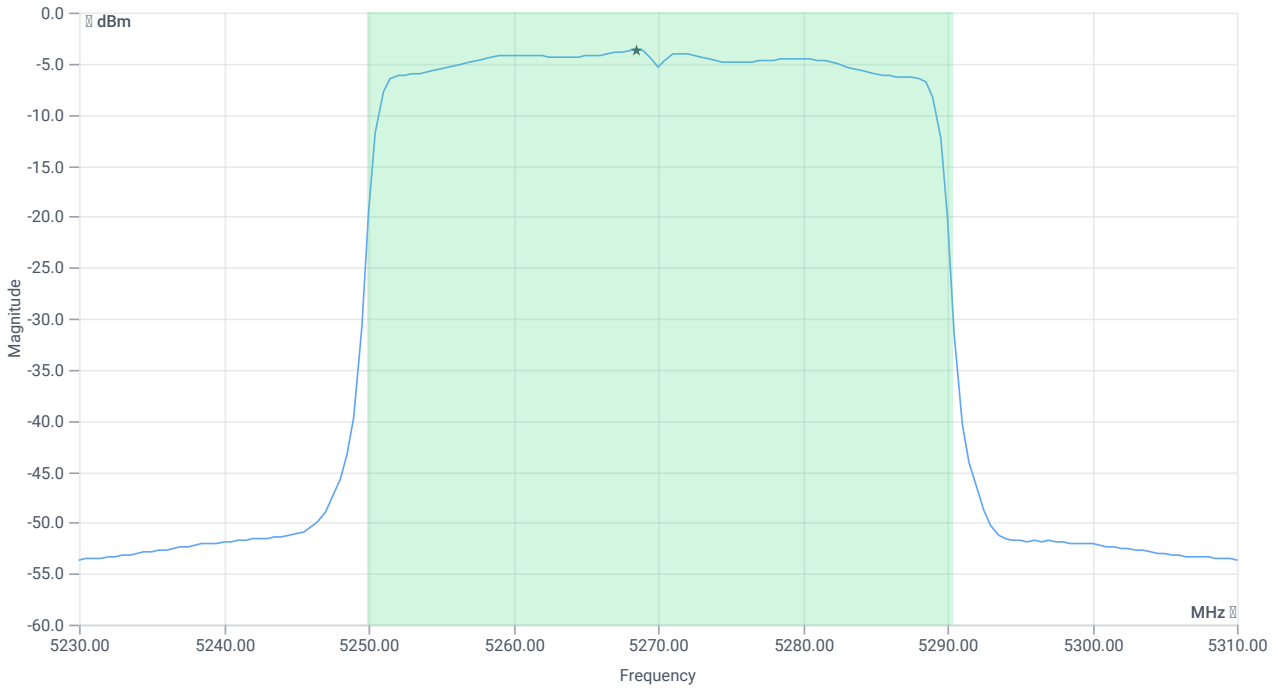
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.95 | 13.73 | 20
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	---	---	10.7	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.7	dBm	PASS
LIMIT: 11 dBm + 10 log 40.48					
Max output power DC corrected cond	---	27.07	10.7	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.7	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	---	---	-3.65	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.65	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 09:58:24
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5270 MHz

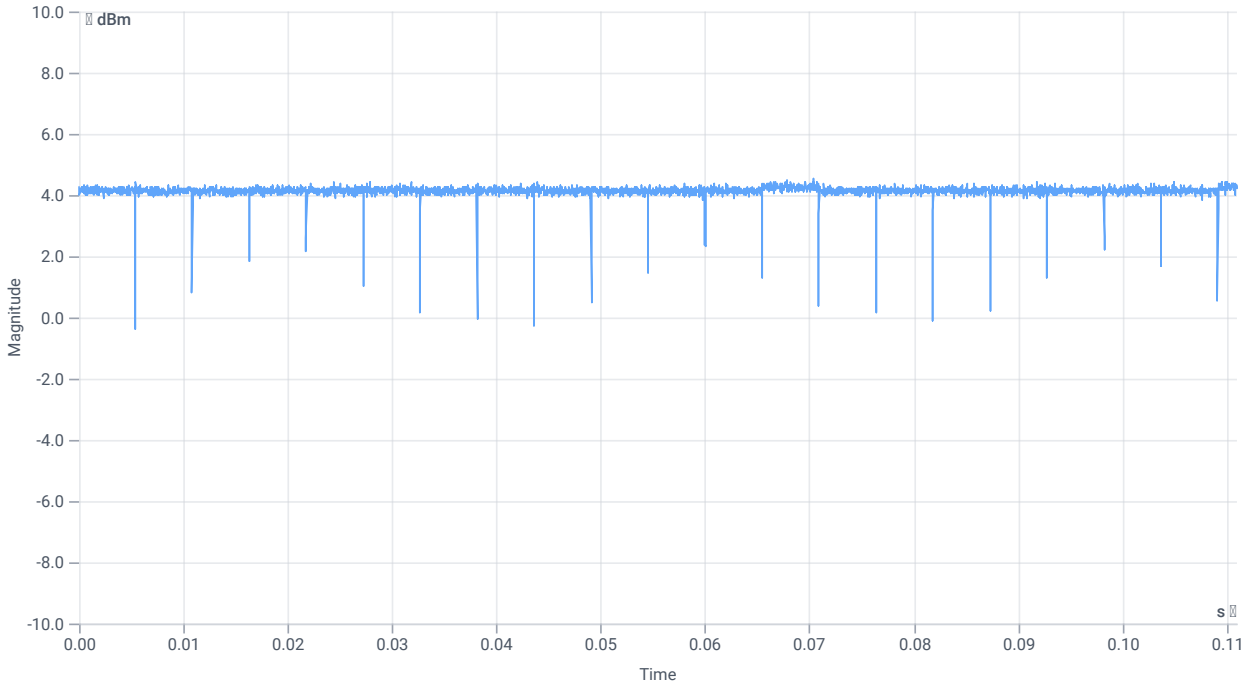
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.30	dBm	INFO
Ref. frequency	---	---	5273.200	MHz	INFO

Evaluation max. duty cycle

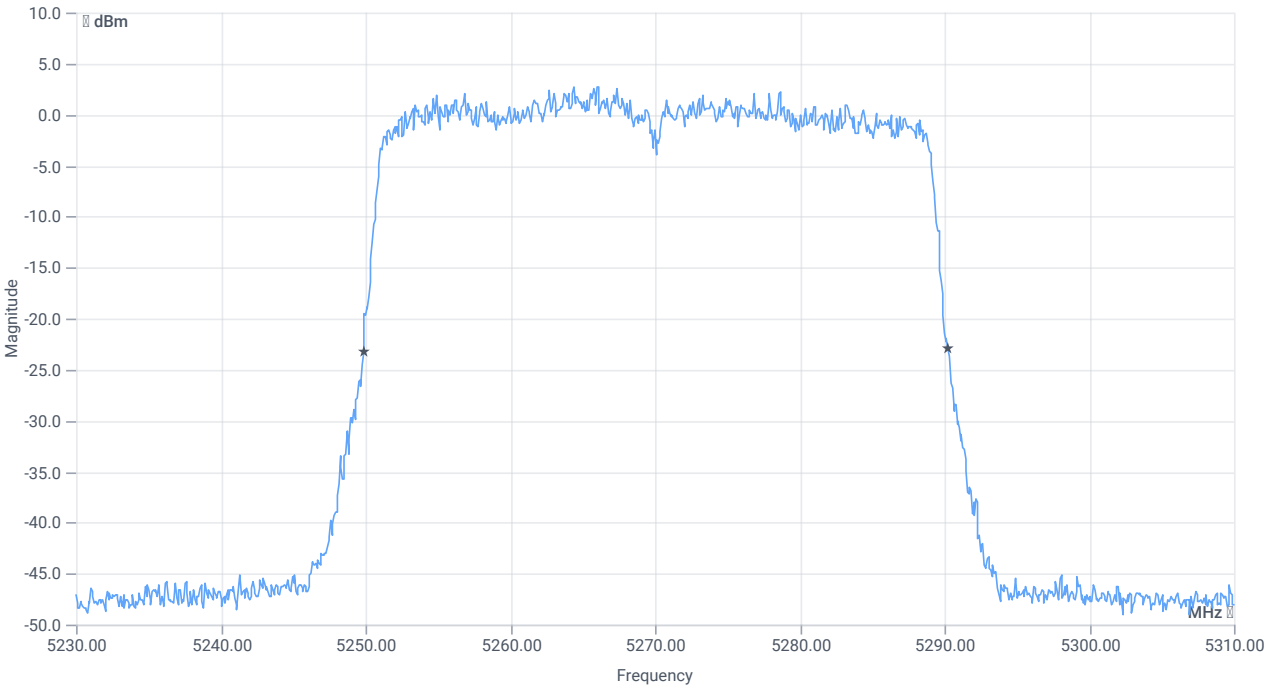
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5249.8400	MHz	INFO
T2 26dB	---	---	5290.2400	MHz	INFO

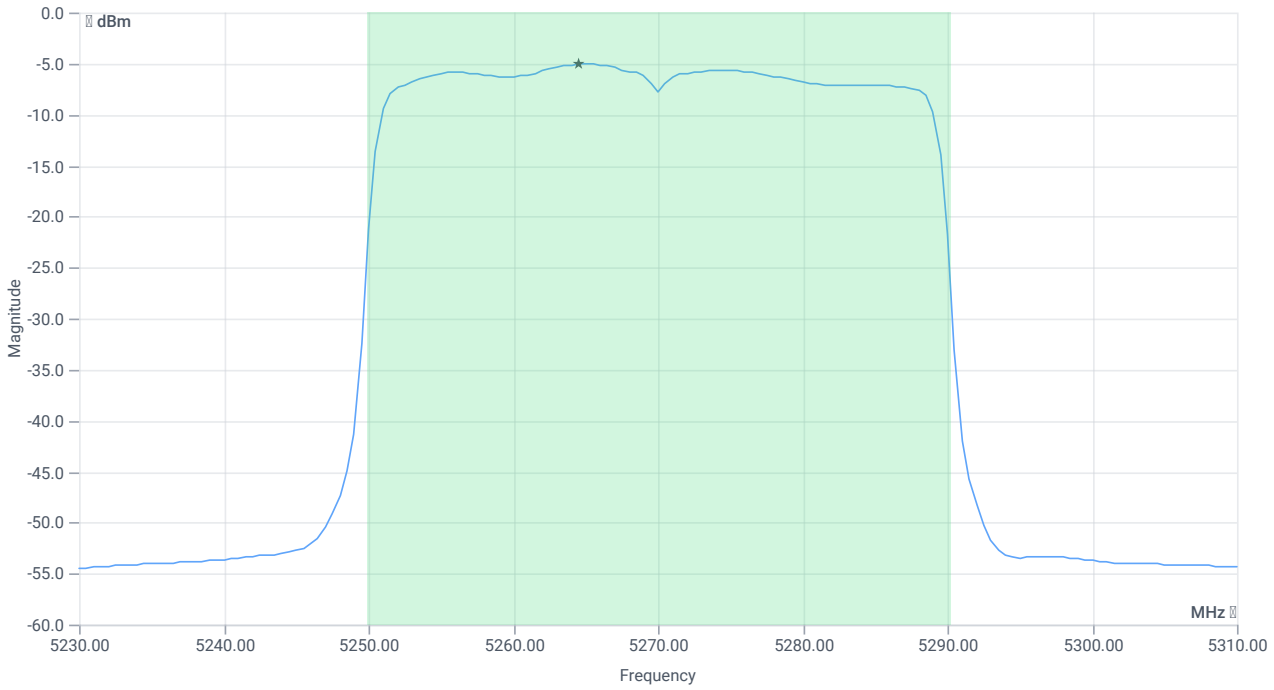
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.30 | 13.38 | 20
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	---	---	9.26	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.26	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	9.26	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.26	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-5.03	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-5.03	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:04:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

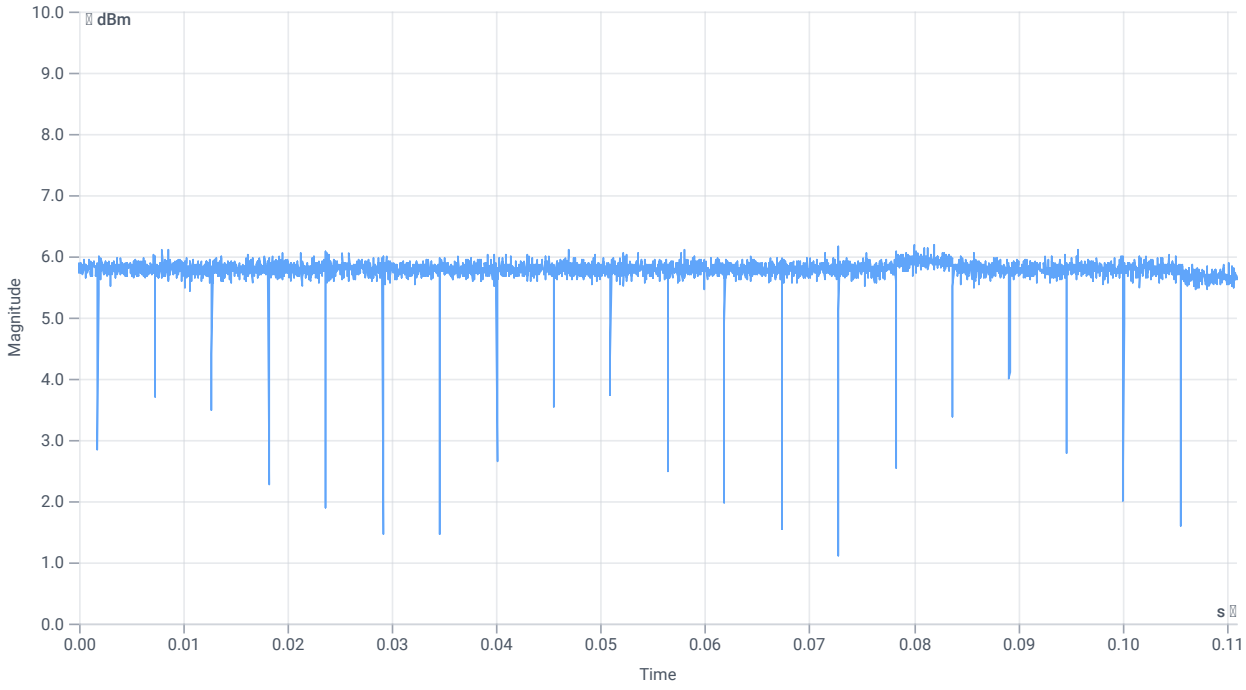
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.53	dBm	INFO
Ref. frequency	---	---	5308.400	MHz	INFO

Evaluation max. duty cycle

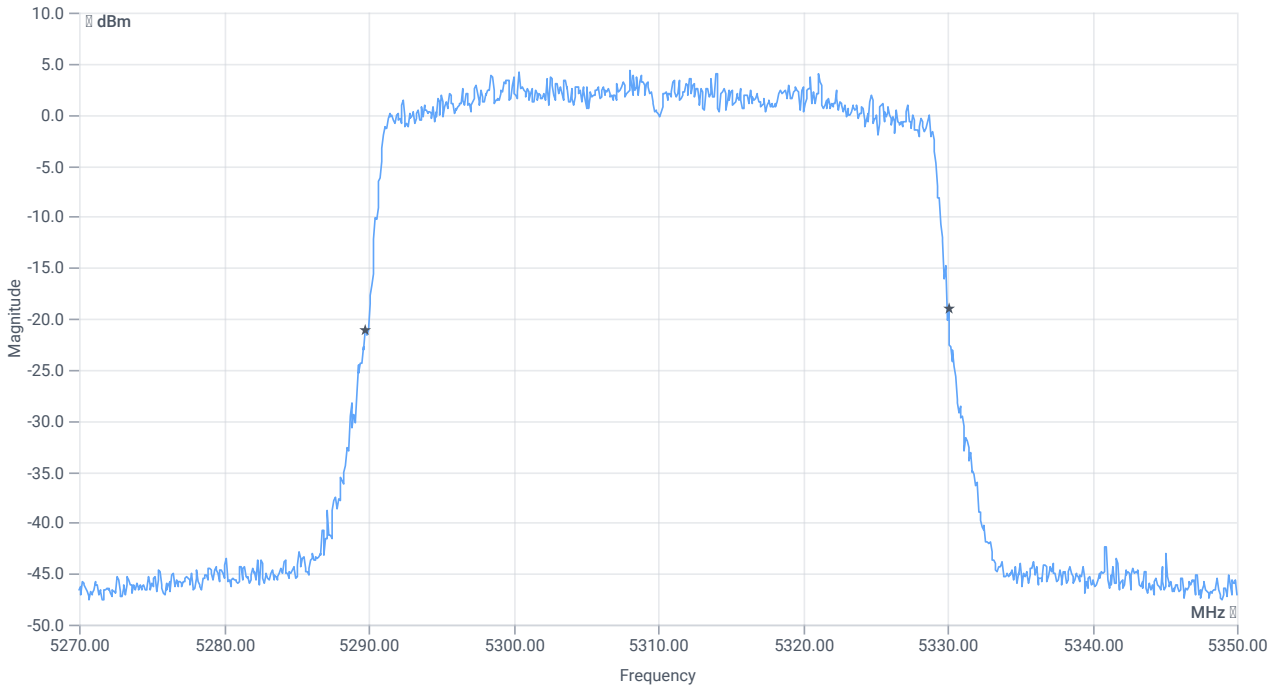
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5289.7600	MHz	INFO
T2 26dB	---	---	5330.0800	MHz	INFO

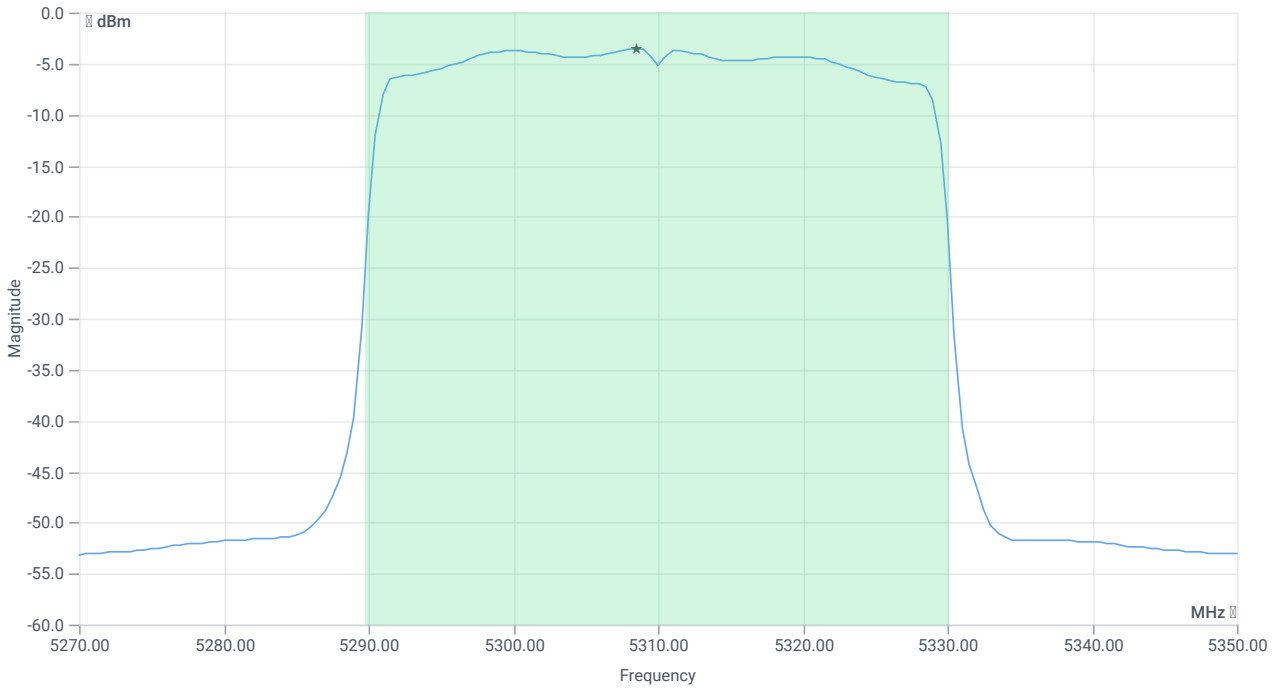
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.53 | 14.31 | 20
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 40.32					
Max output power DC corrected cond	---	27.06	10.81	dBm	PASS
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	---	---	-3.53	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.53	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:09:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5310 MHz

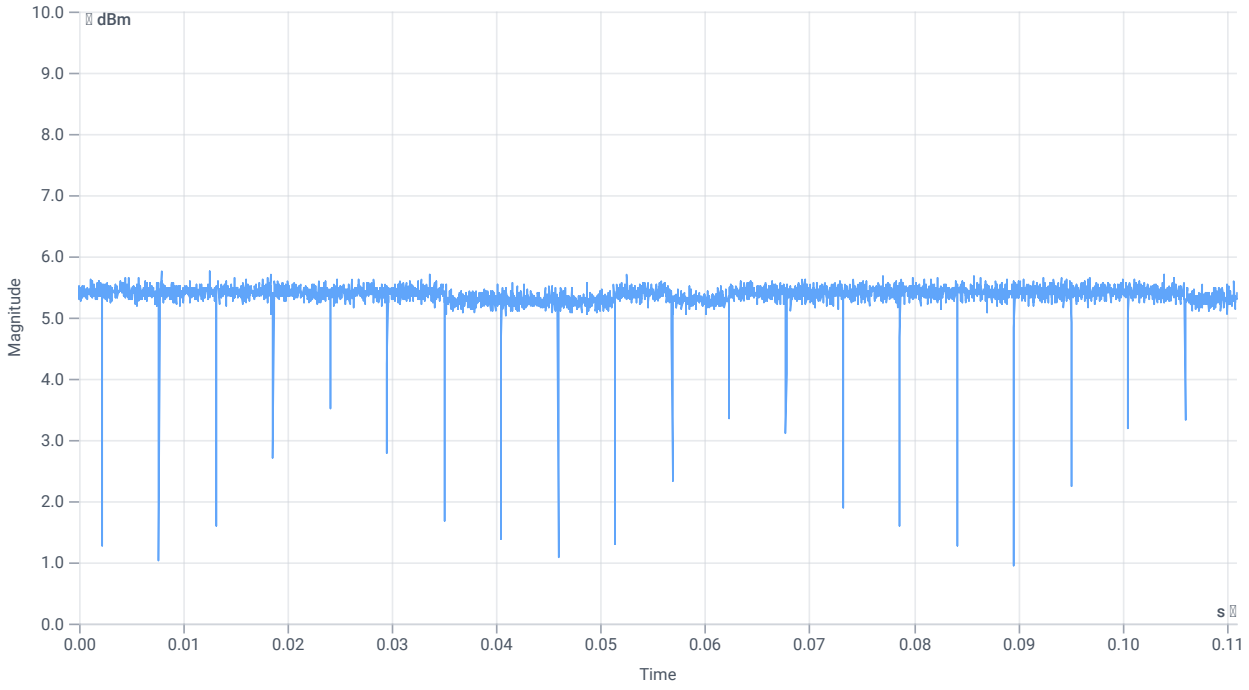
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.63	dBm	INFO
Ref. frequency	---	---	5301.410	MHz	INFO

Evaluation max. duty cycle

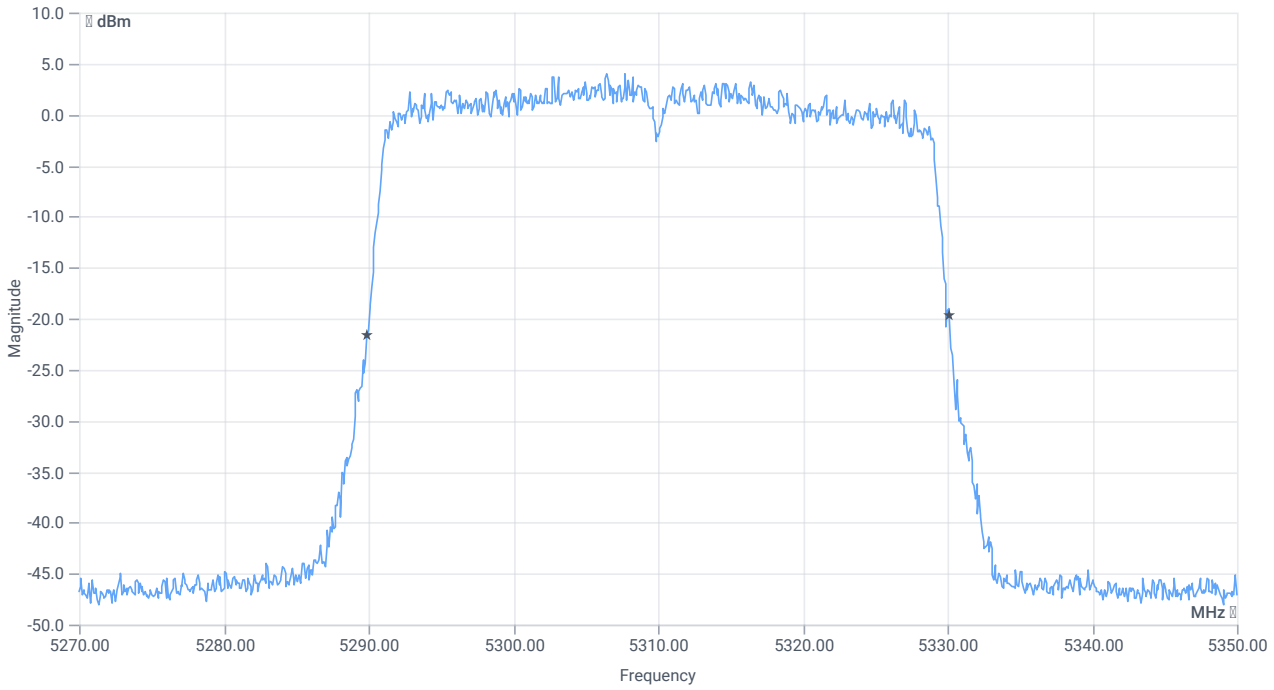
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5289.8400	MHz	INFO
T2 26dB	---	---	5330.1600	MHz	INFO

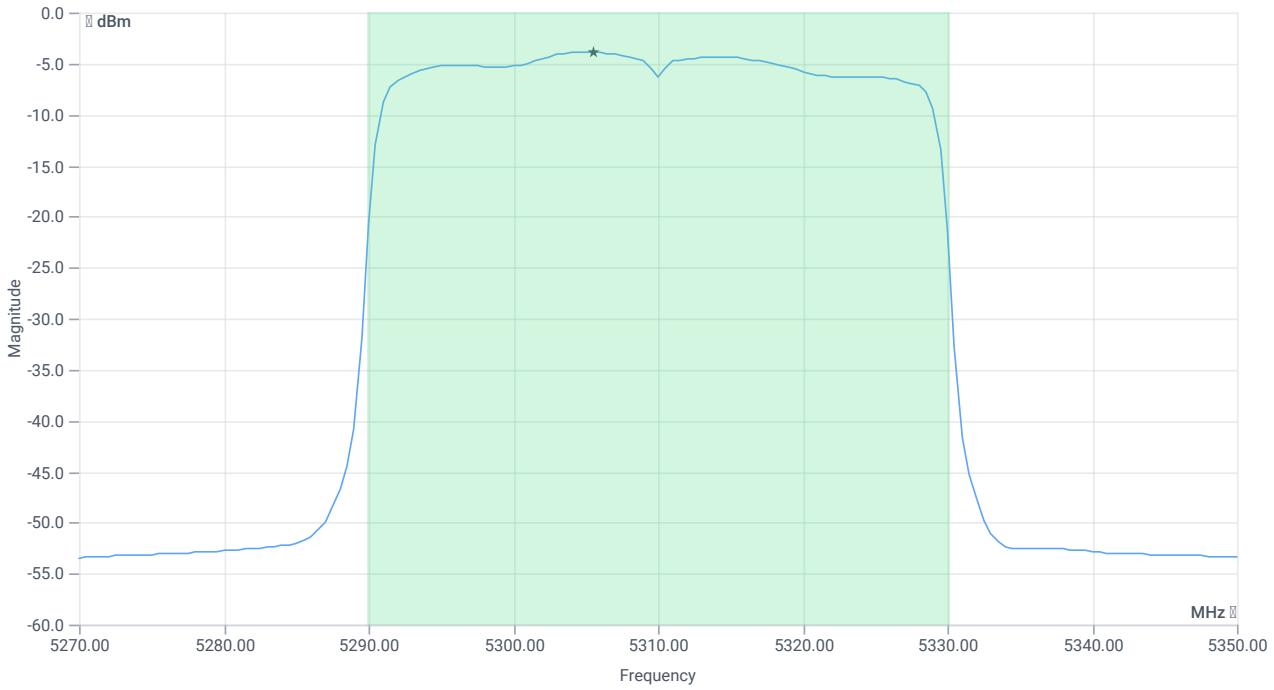
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.63 | 14.26 | 20
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	---	---	10.32	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.32	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	10.32	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.32	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	---	---	-3.83	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.83	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:14:21
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

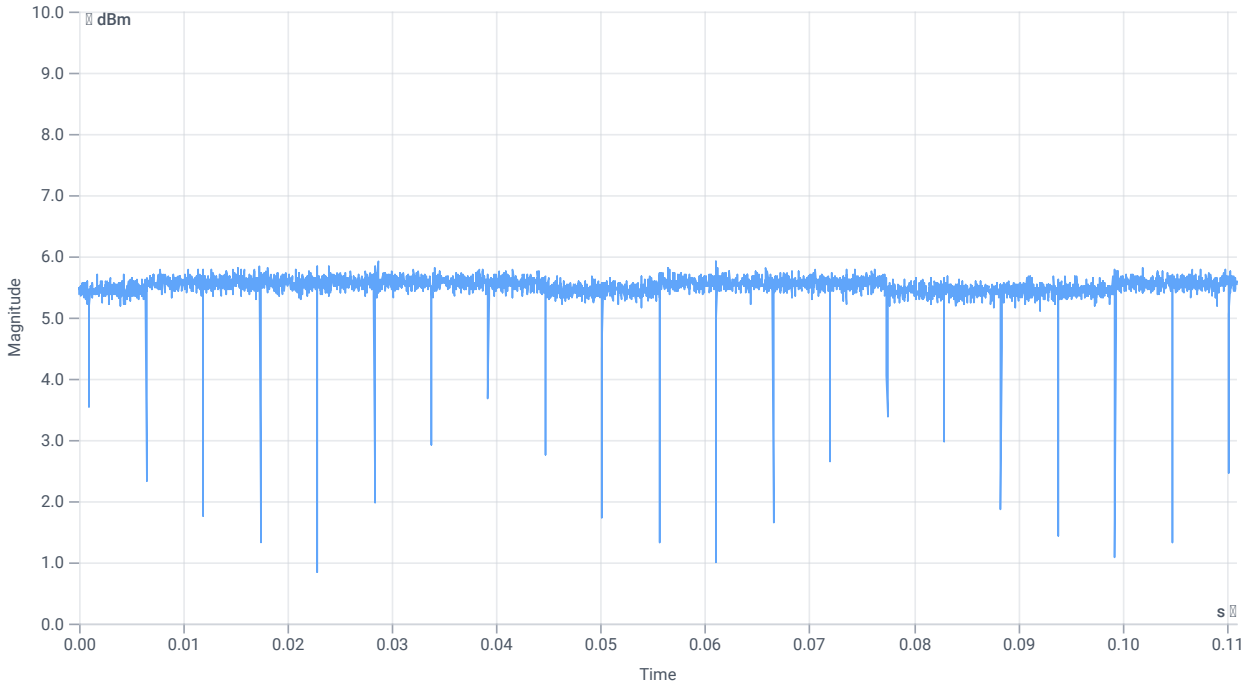
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.09	dBm	INFO
Ref. frequency	---	---	5506.600	MHz	INFO

Evaluation max. duty cycle

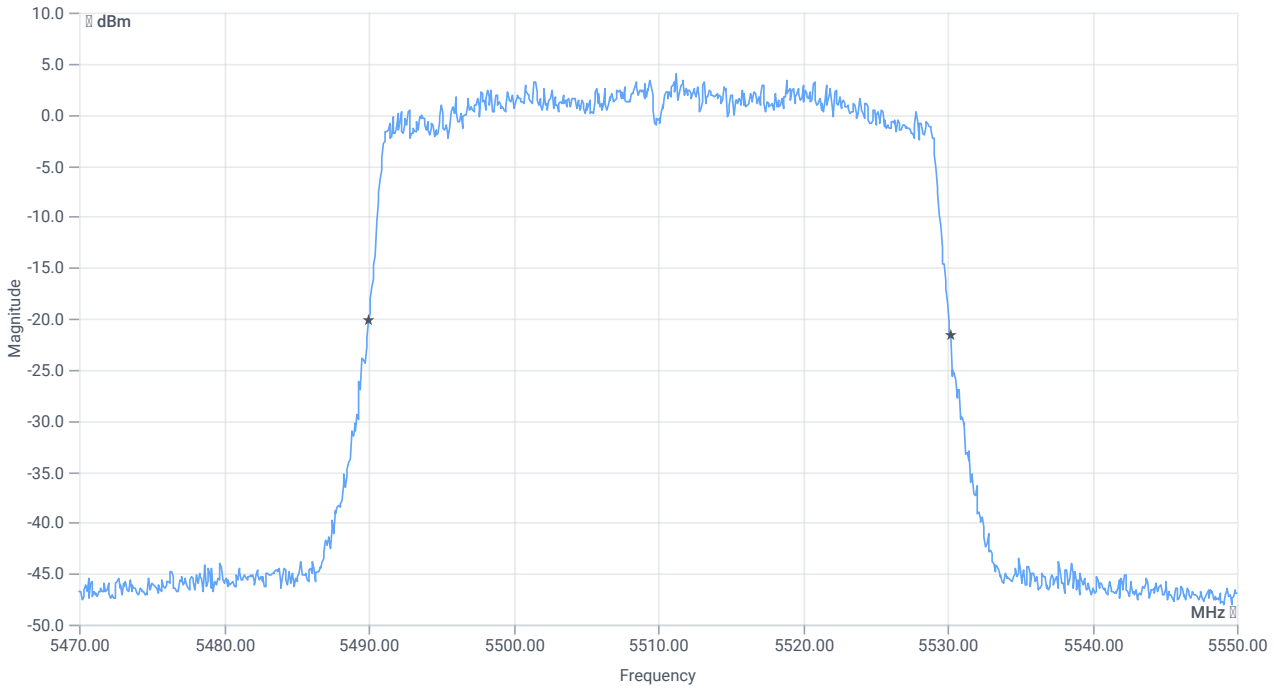
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

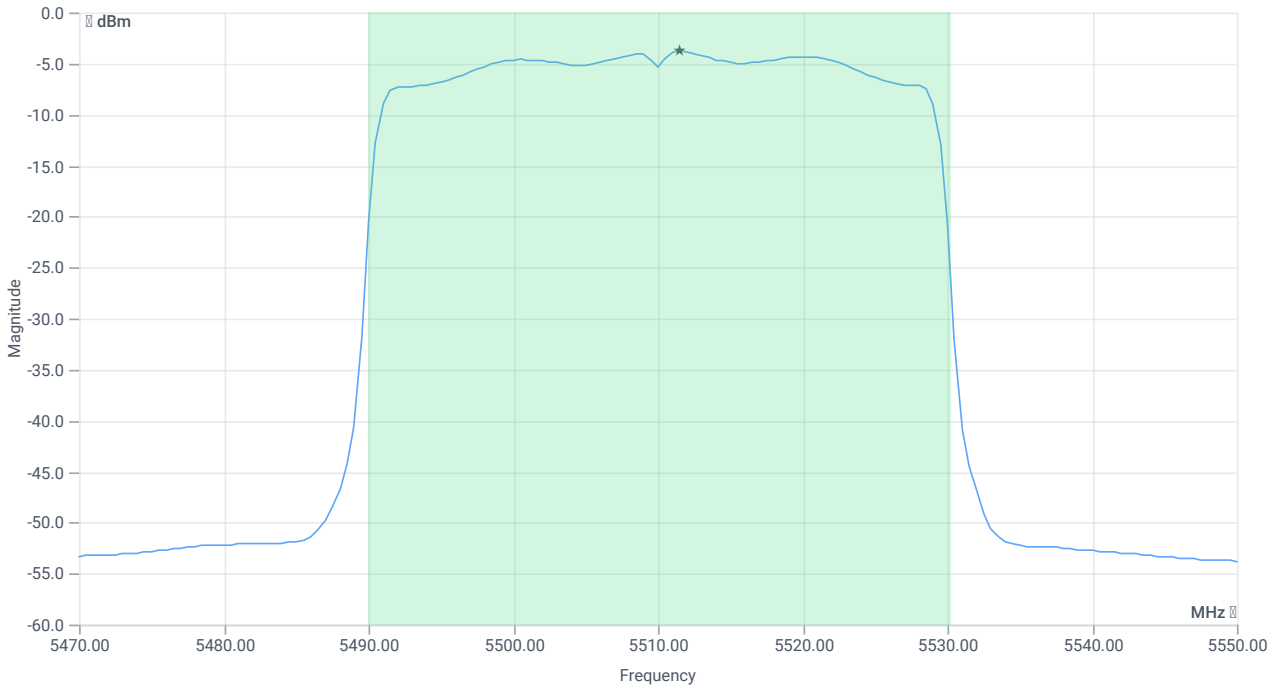
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.24	MHz	INFO
T1 26dB	---	---	5490.0000	MHz	INFO
T2 26dB	---	---	5530.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	19.09 | 14.34 | 20
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	---	---	10.32	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.32	dBm	PASS
LIMIT: 11 dBm + 10 log 40.24					
Max output power DC corrected cond	---	27.05	10.32	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.32	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

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
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	25.11.2025 10:18:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5510 MHz

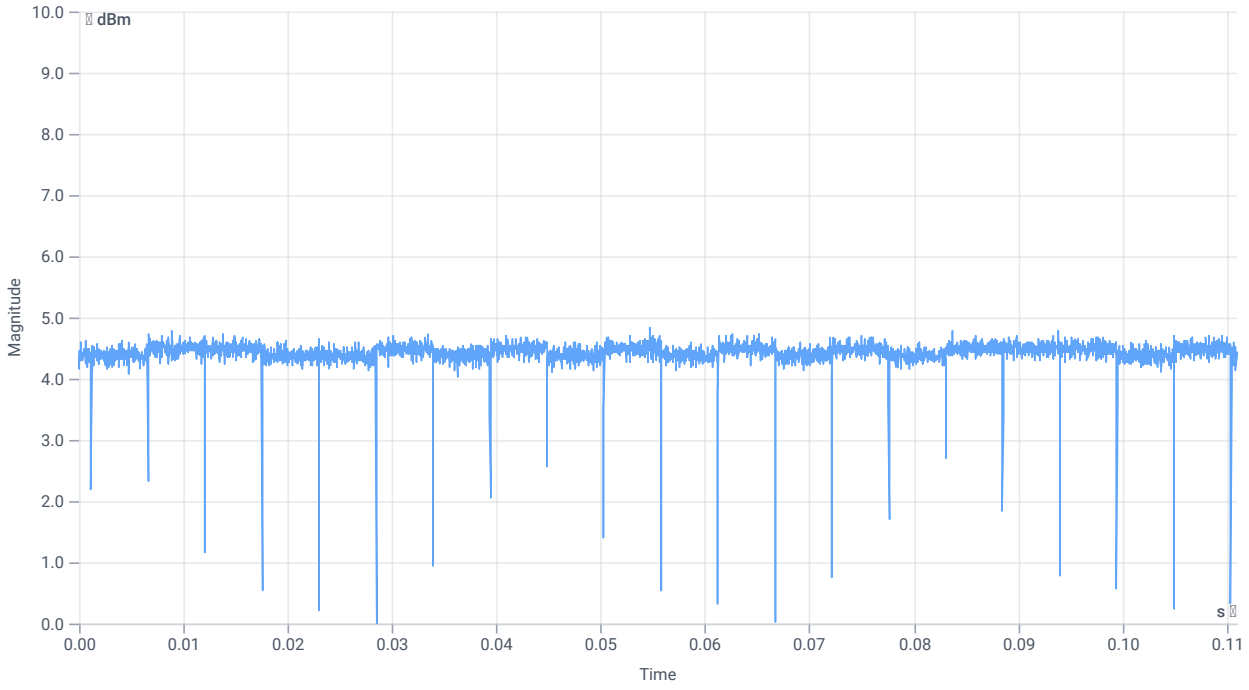
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.43	dBm	INFO
Ref. frequency	---	---	5515.990	MHz	INFO

Evaluation max. duty cycle

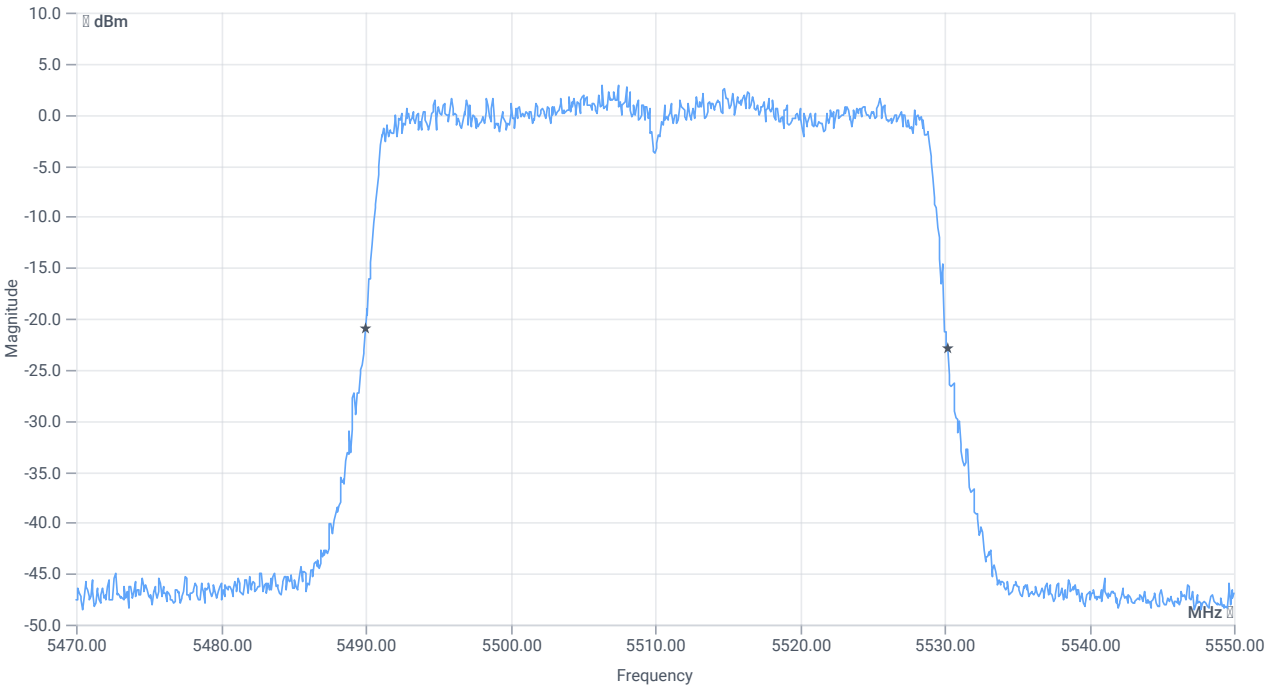
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

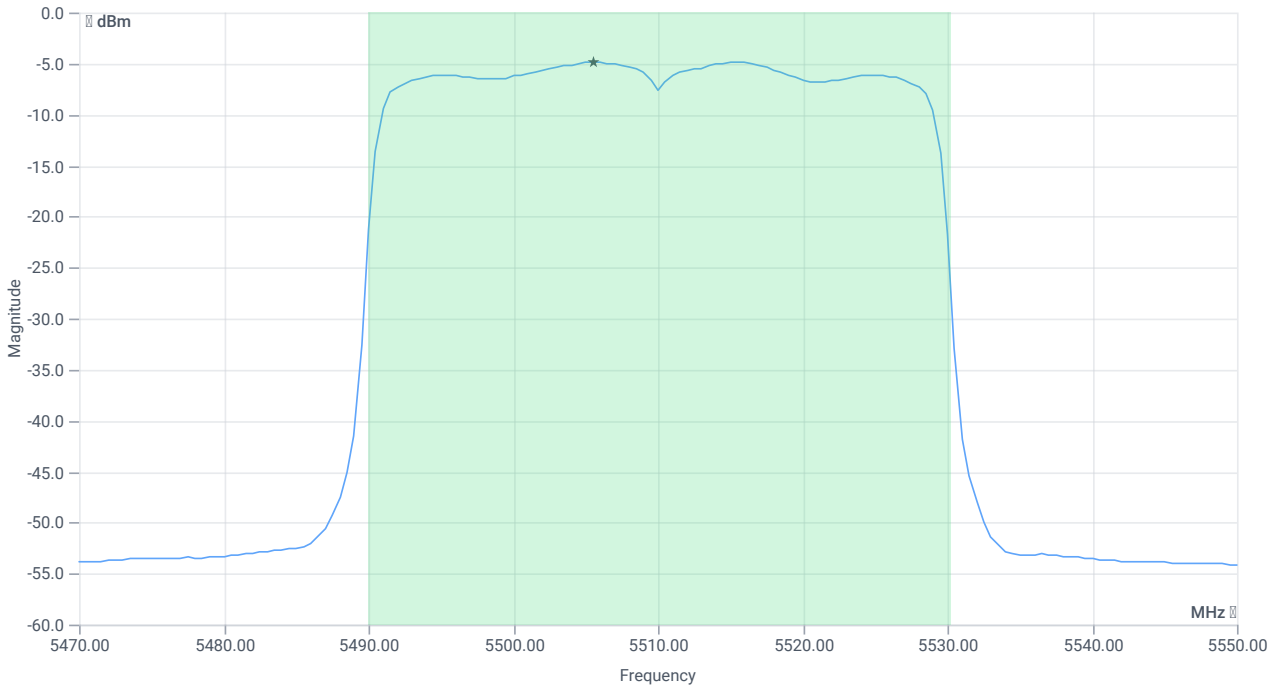
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.24	MHz	INFO
T1 26dB	---	---	5490.0000	MHz	INFO
T2 26dB	---	---	5530.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.43 | 14.08 | 20
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	---	---	9.54	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.54	dBm	PASS
LIMIT: 11 dBm + 10 log 40.24					
Max output power DC corrected cond	---	27.05	9.54	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.54	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	---	---	-4.89	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.89	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:26:46
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

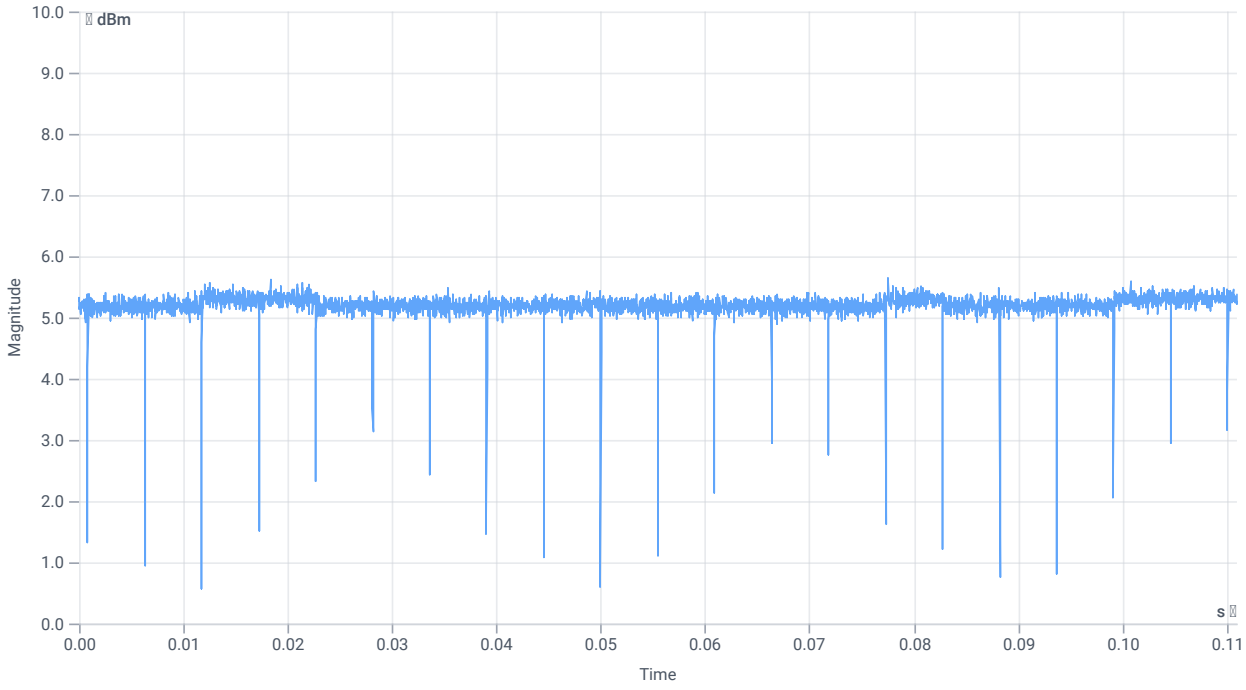
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.39	dBm	INFO
Ref. frequency	---	---	5601.390	MHz	INFO

Evaluation max. duty cycle

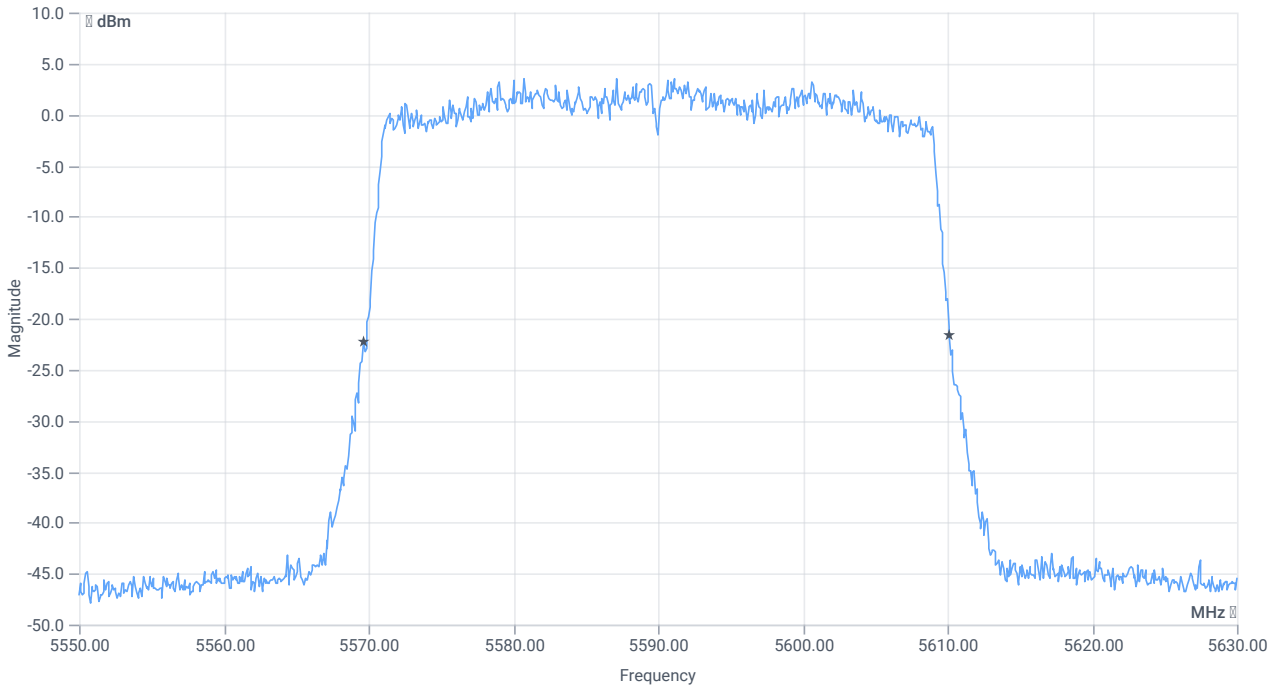
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

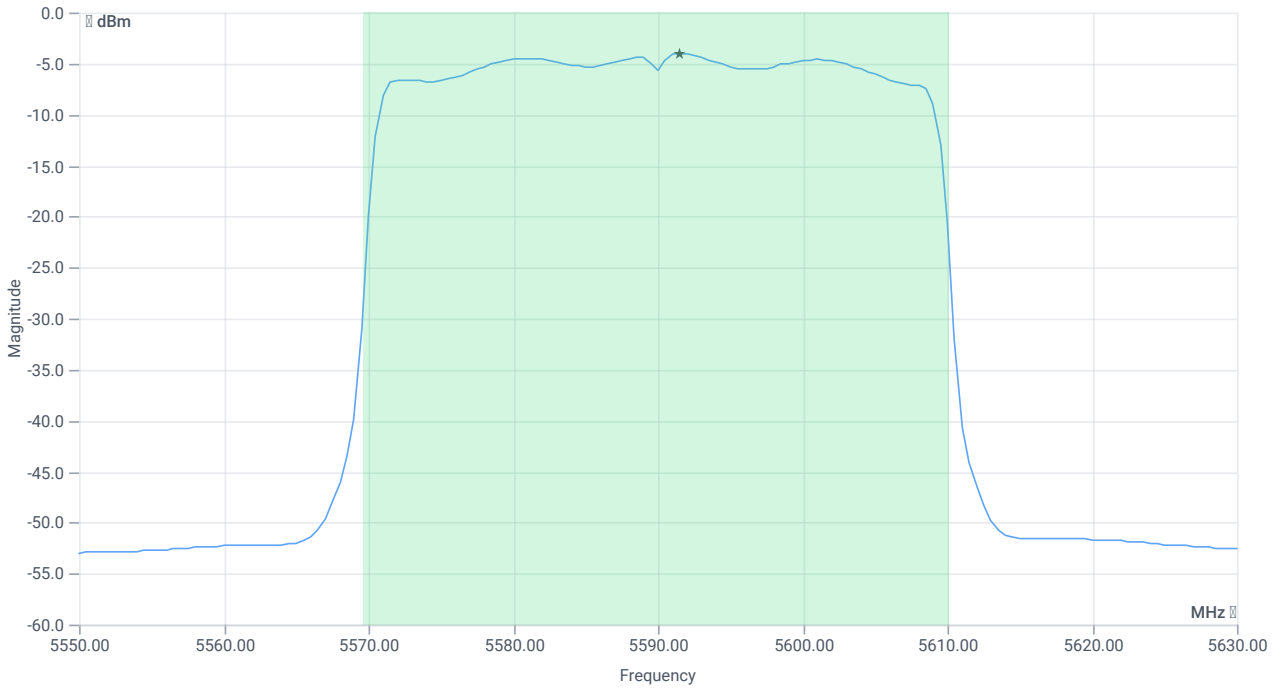
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.56	MHz	INFO
T1 26dB	---	---	5569.6000	MHz	INFO
T2 26dB	---	---	5610.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.39 | 14.96 | 20
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	---	---	10.22	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 40.56					
Max output power DC corrected cond	---	27.08	10.22	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.22	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	---	---	-3.98	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.98	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:30:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5590 MHz

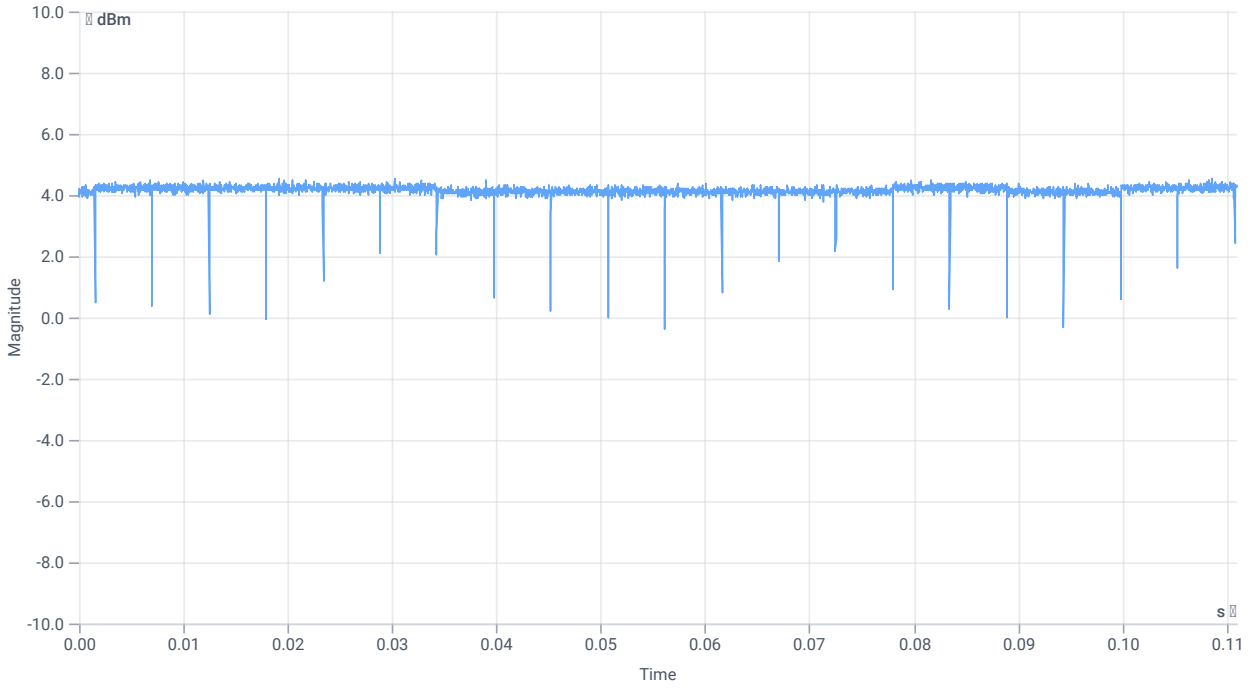
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.82	dBm	INFO
Ref. frequency	---	---	5593.400	MHz	INFO

Evaluation max. duty cycle

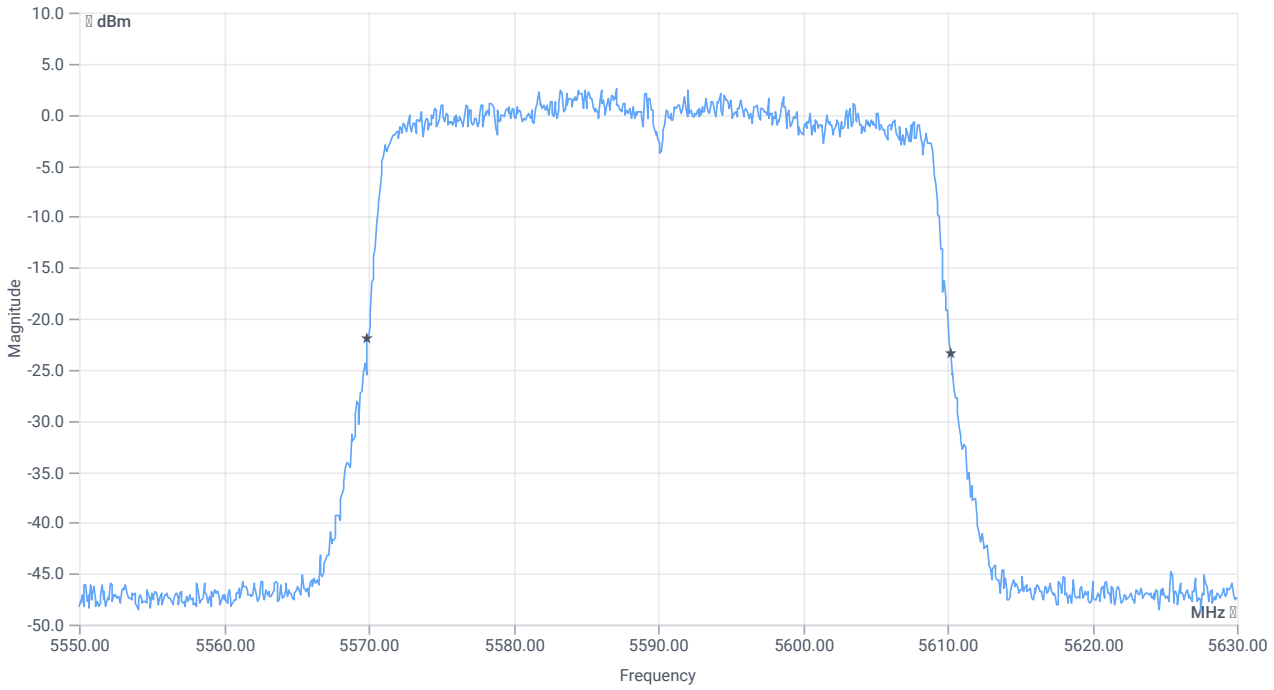
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

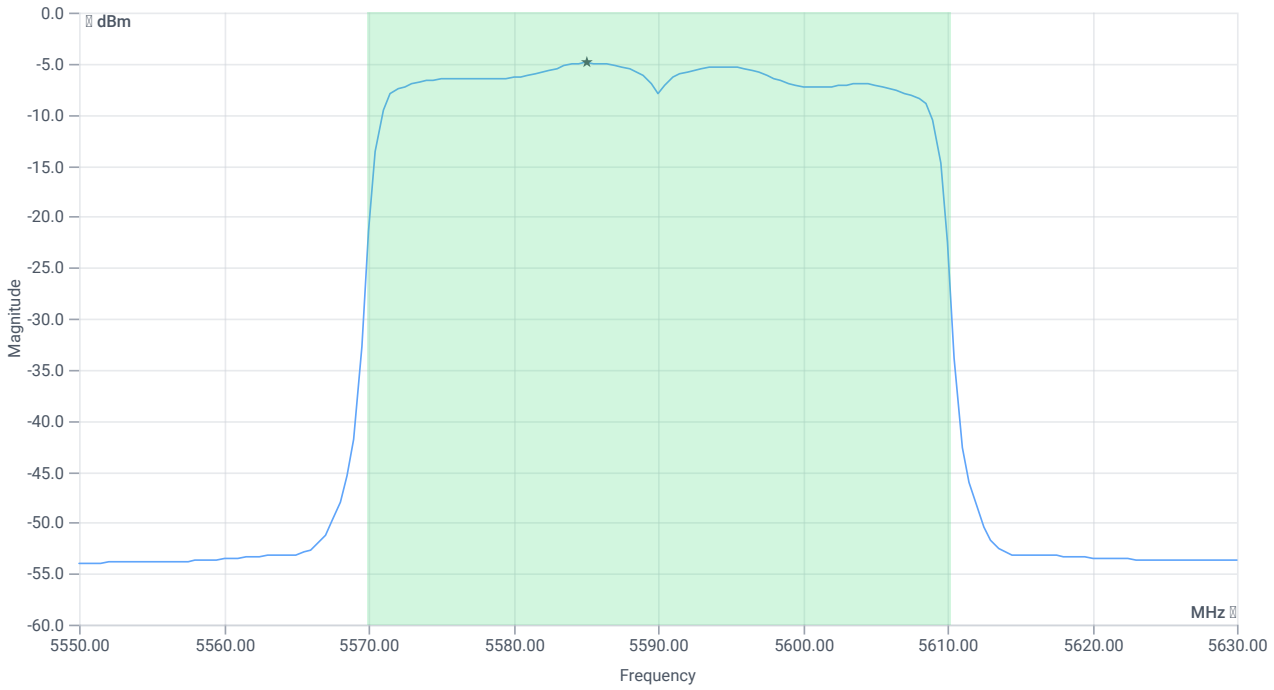
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5569.9200	MHz	INFO
T2 26dB	---	---	5610.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.82 | 14.16 | 20
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	---	---	9.16	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.16	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	9.16	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.16	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	---	---	-4.92	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.92	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:36:55
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5670 MHz

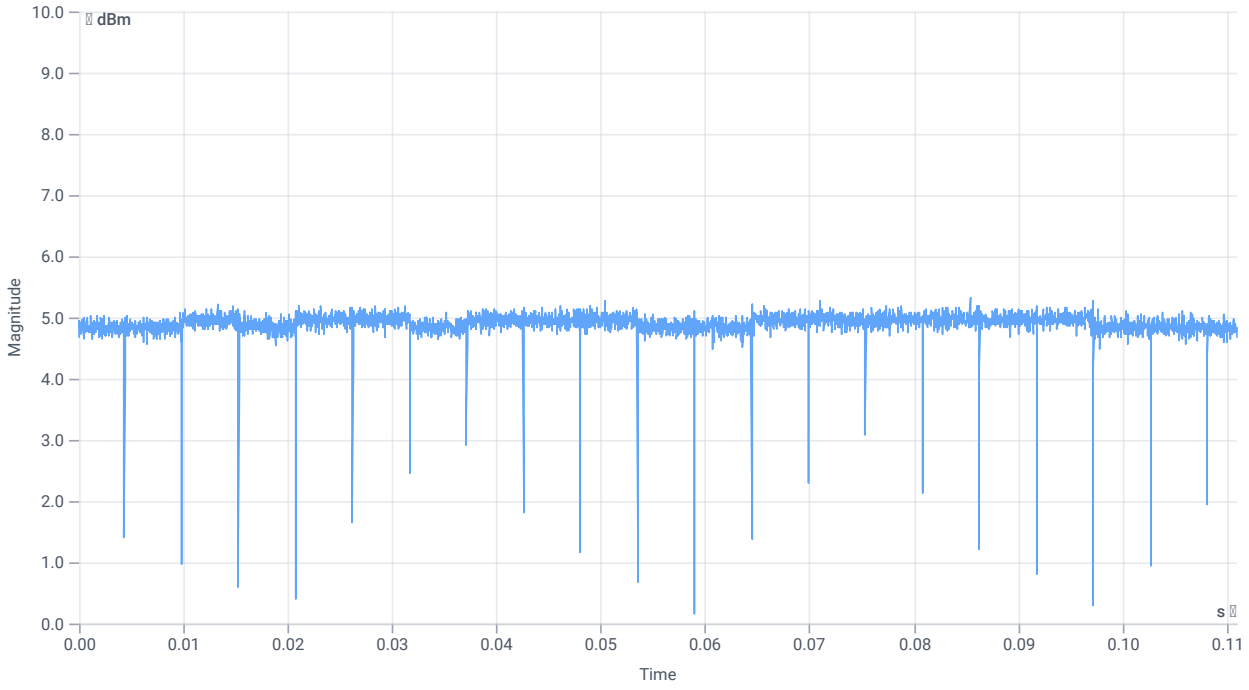
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.27	dBm	INFO
Ref. frequency	---	---	5674.000	MHz	INFO

Evaluation max. duty cycle

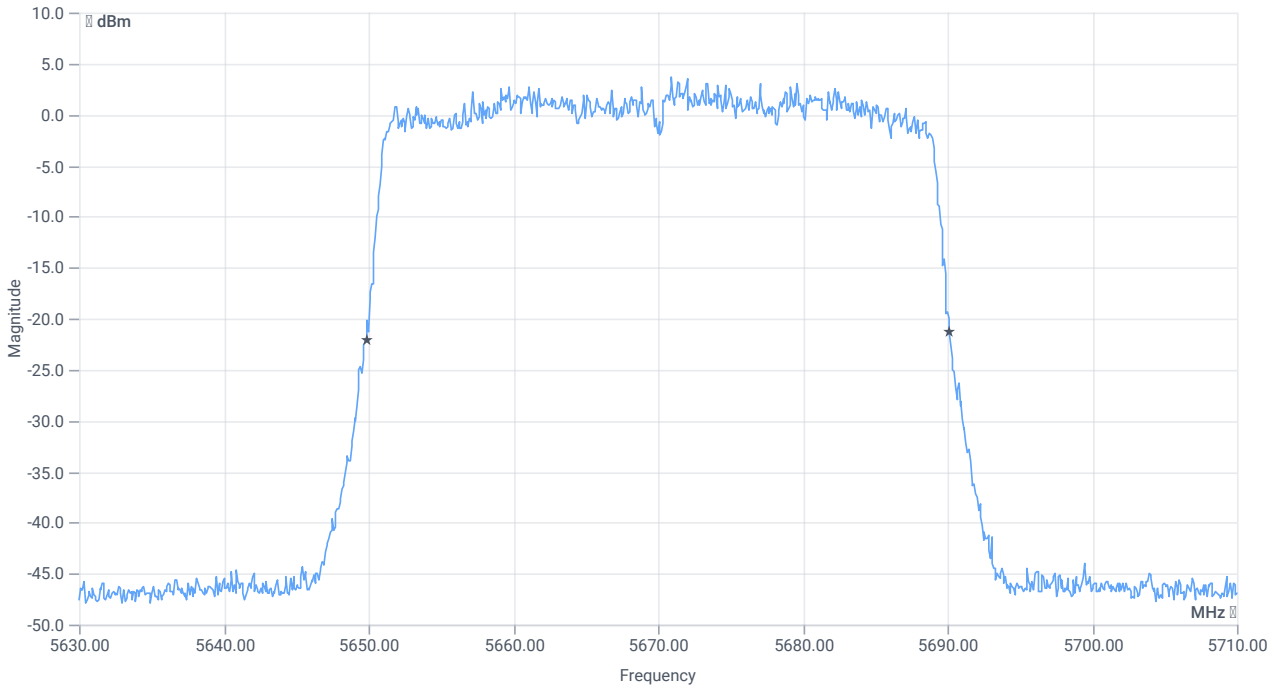
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

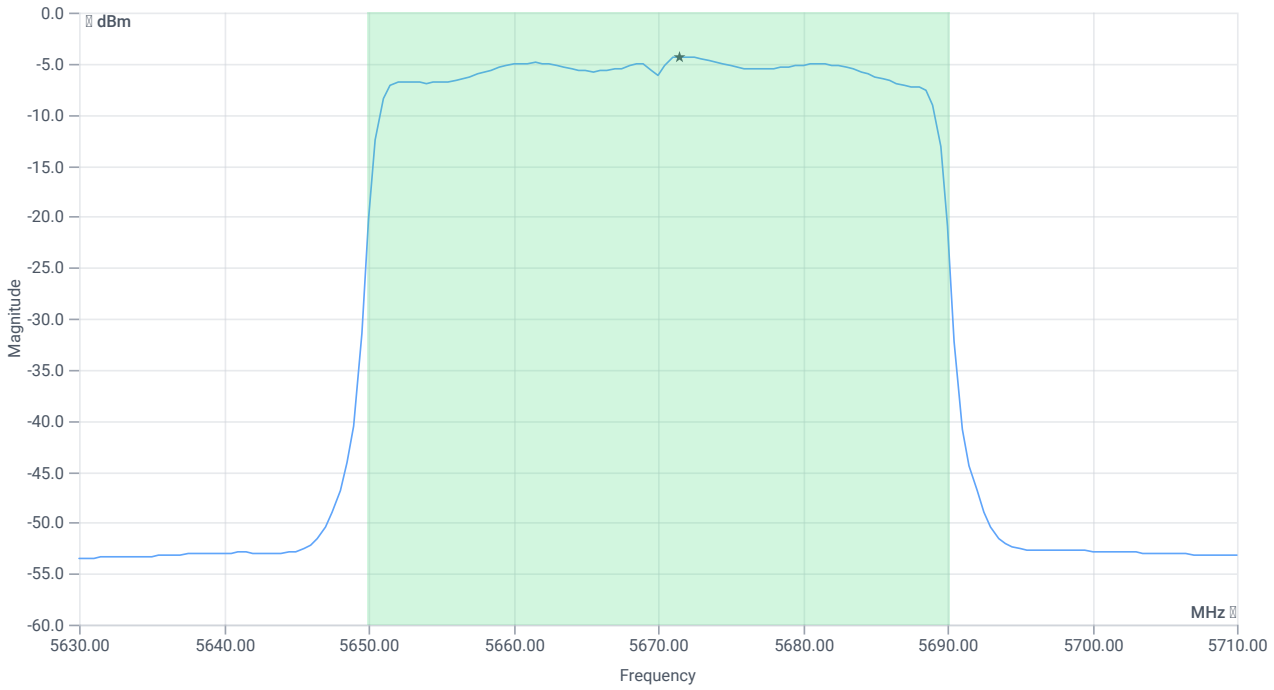
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5649.8400	MHz	INFO
T2 26dB	---	---	5690.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.27 | 14.22 | 20
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	---	---	9.91	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.91	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	9.91	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	9.91	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	---	---	-4.31	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-4.31	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 10:41:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5670 MHz

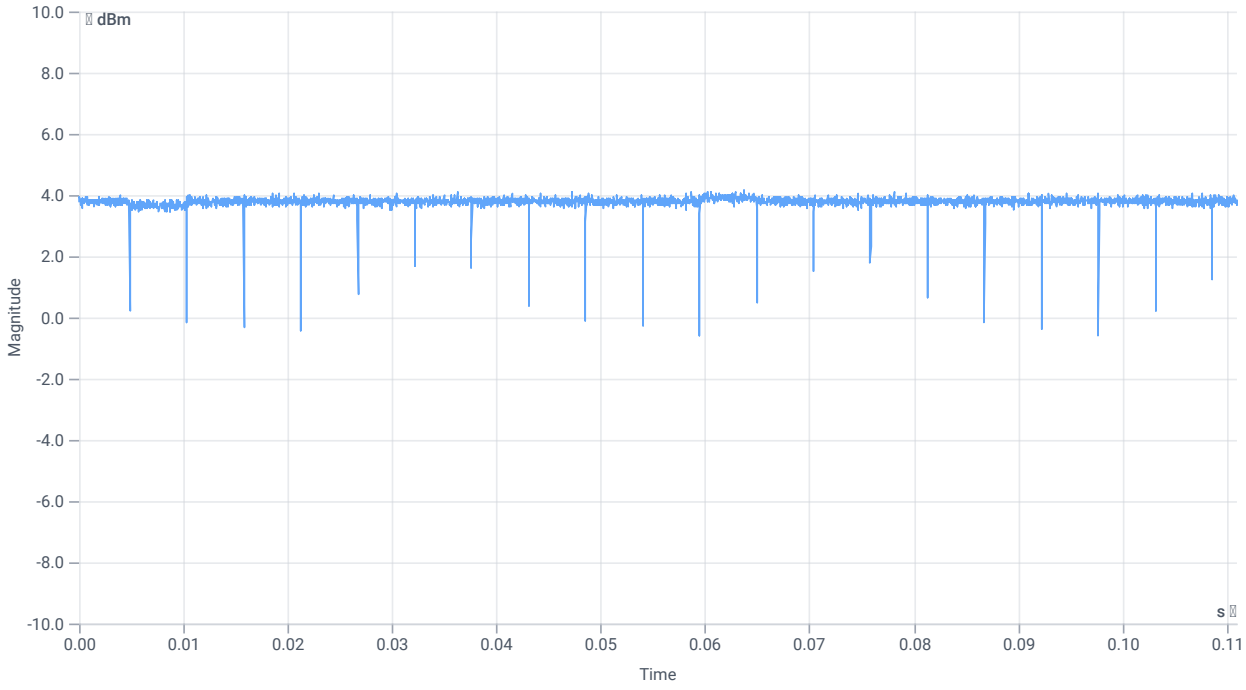
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.52	dBm	INFO
Ref. frequency	---	---	5681.590	MHz	INFO

Evaluation max. duty cycle

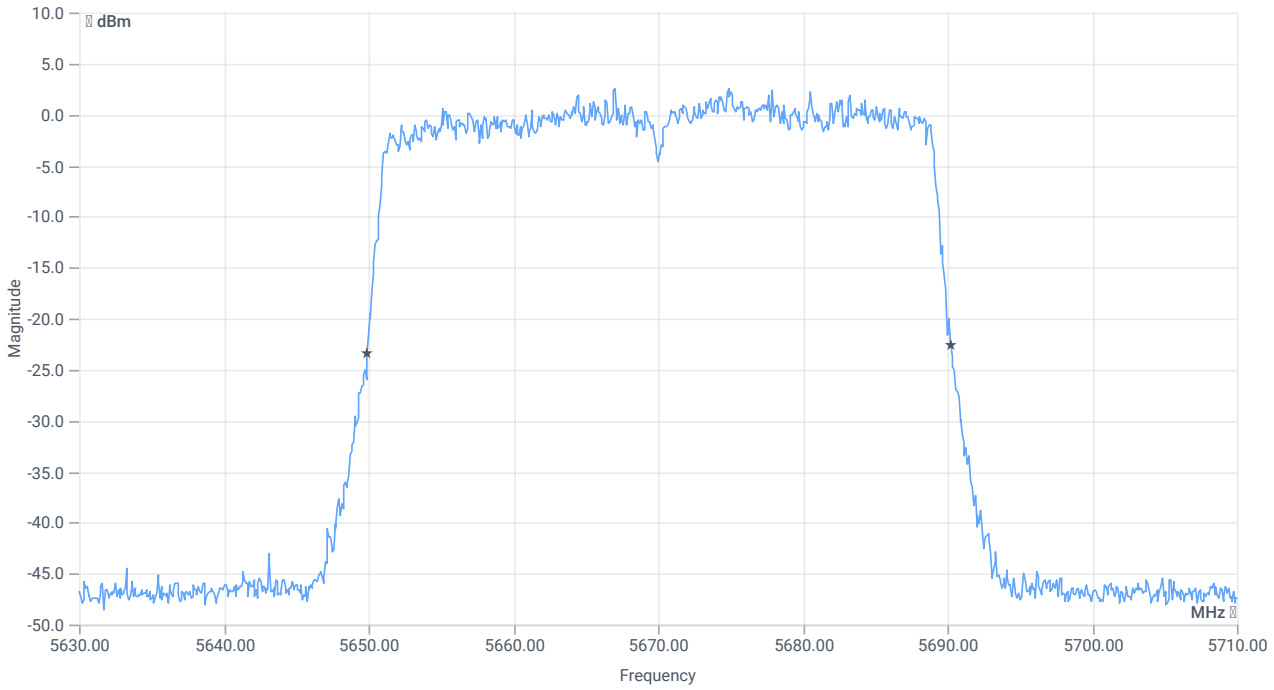
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

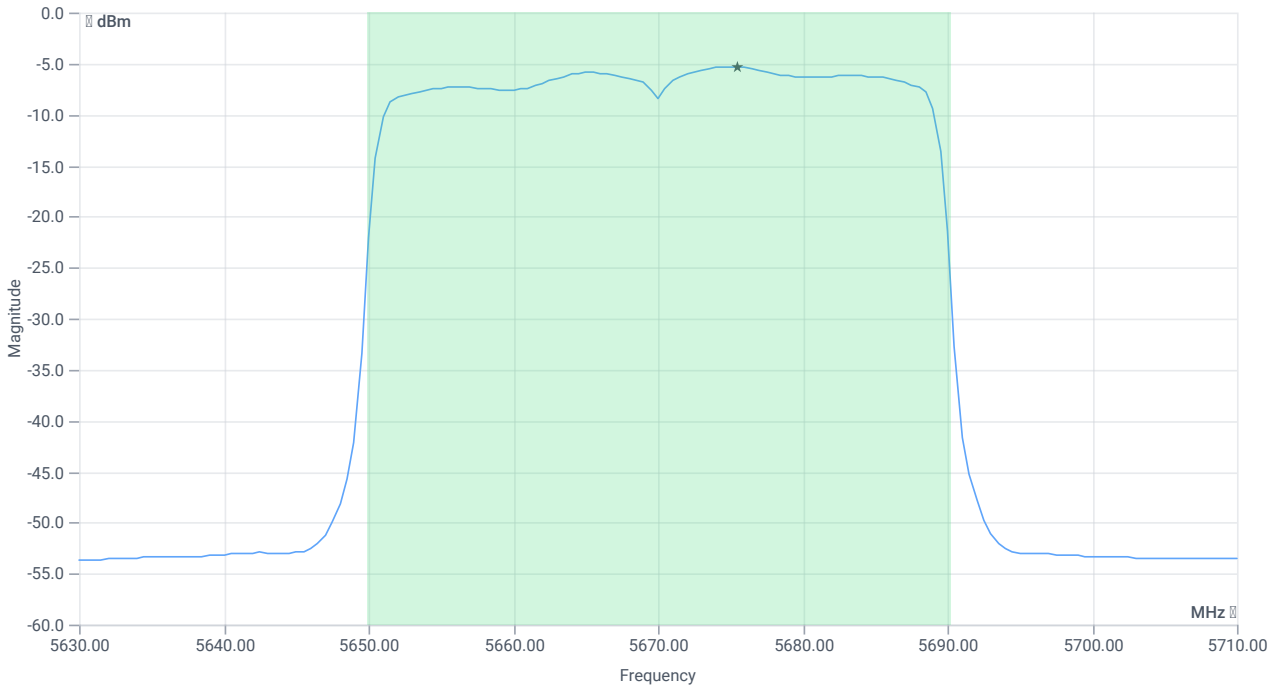
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5649.9200	MHz	INFO
T2 26dB	---	---	5690.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.52 | 13.99 | 20
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	---	---	8.94	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 40.32					
Max output power DC corrected cond	---	27.06	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	---	---	-5.3	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-5.3	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:03:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

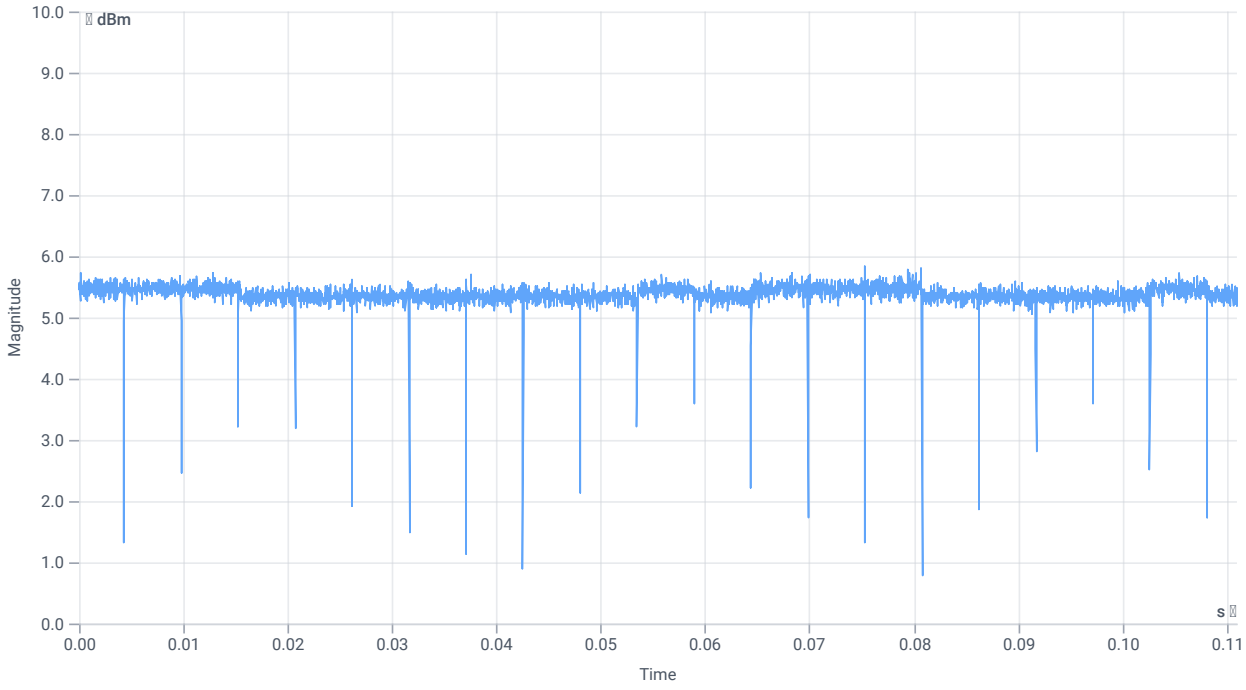
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.32	dBm	INFO
Ref. frequency	---	---	5189.200	MHz	INFO

Evaluation max. duty cycle

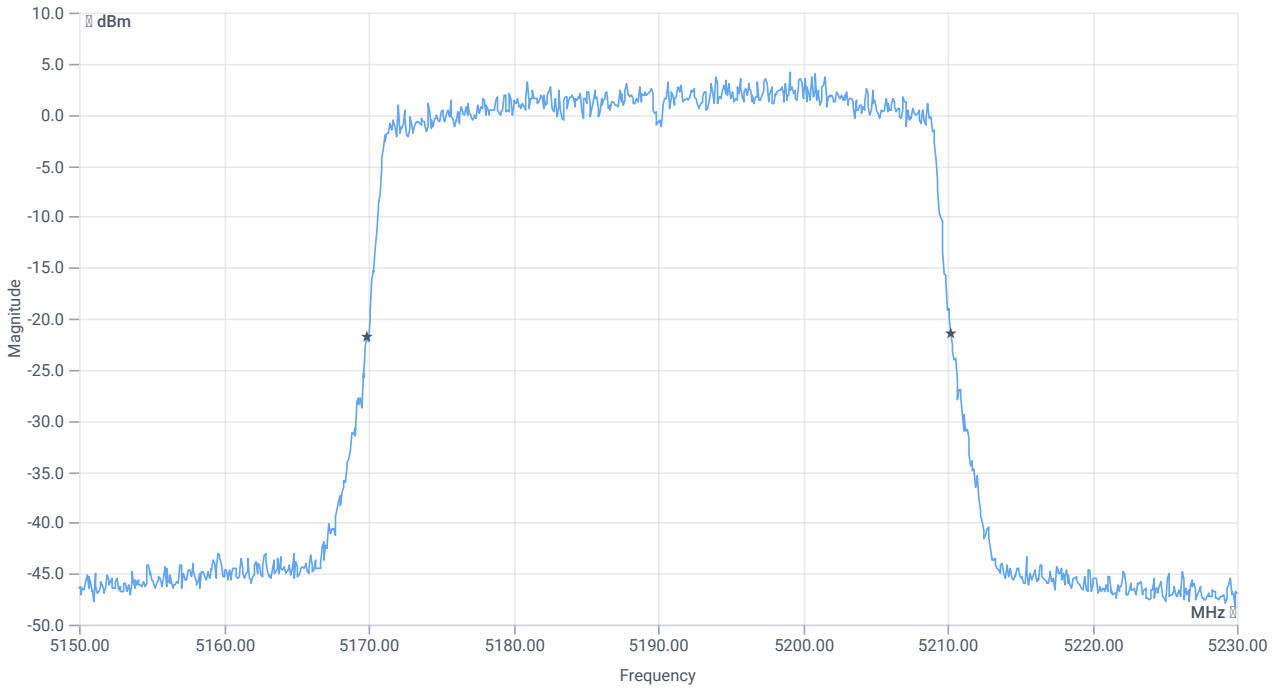
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

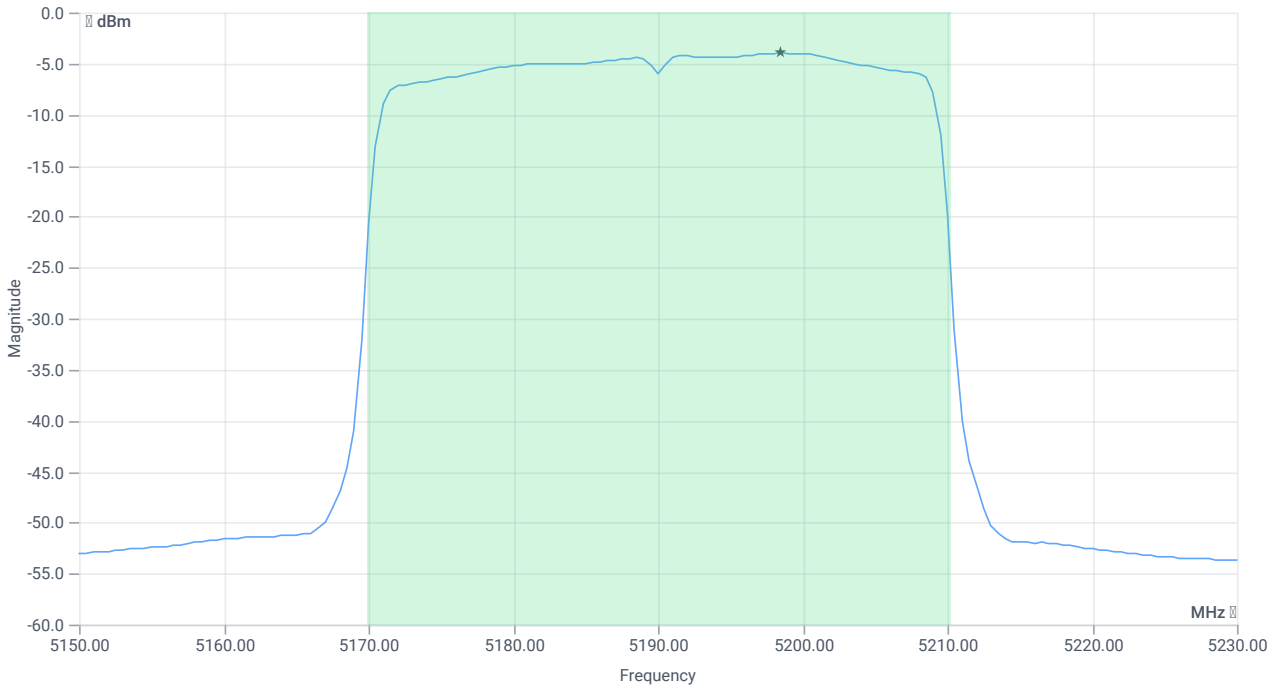
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5169.8400	MHz	INFO
T2 26dB	---	---	5210.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.32 | 14.16 | 20
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	---	---	10.46	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.46	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	10.46	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.95	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.95	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:07:51
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5190 MHz

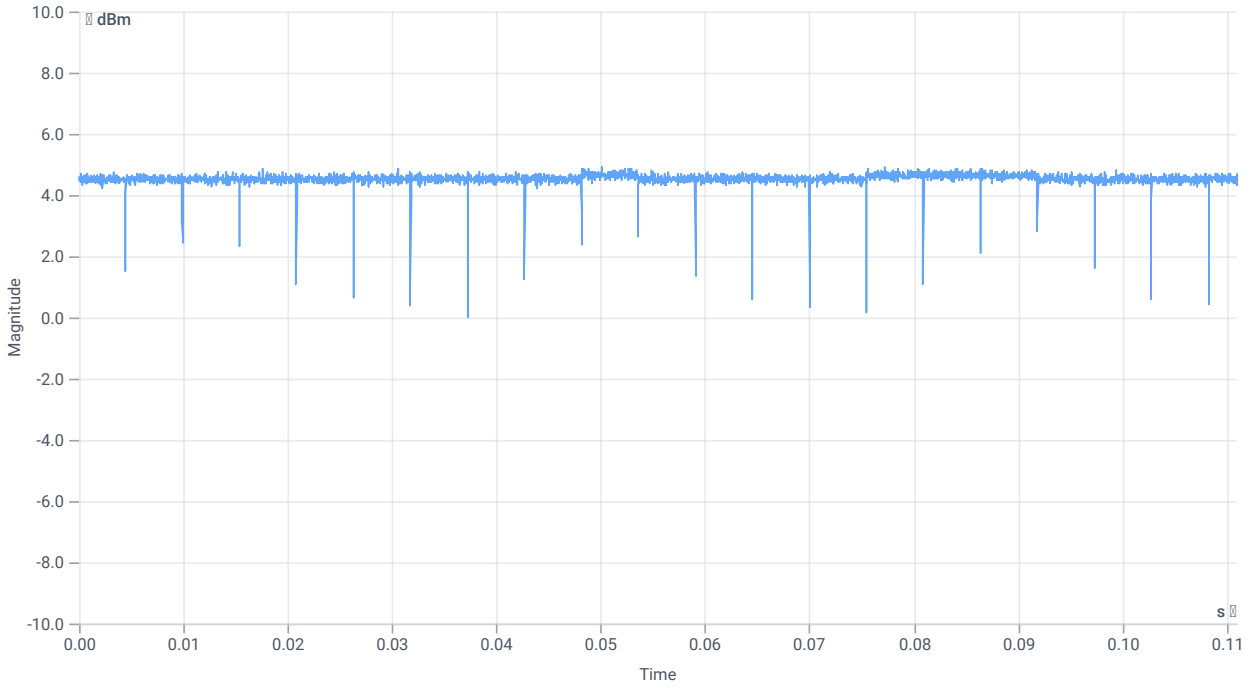
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.51	dBm	INFO
Ref. frequency	---	---	5187.600	MHz	INFO

Evaluation max. duty cycle

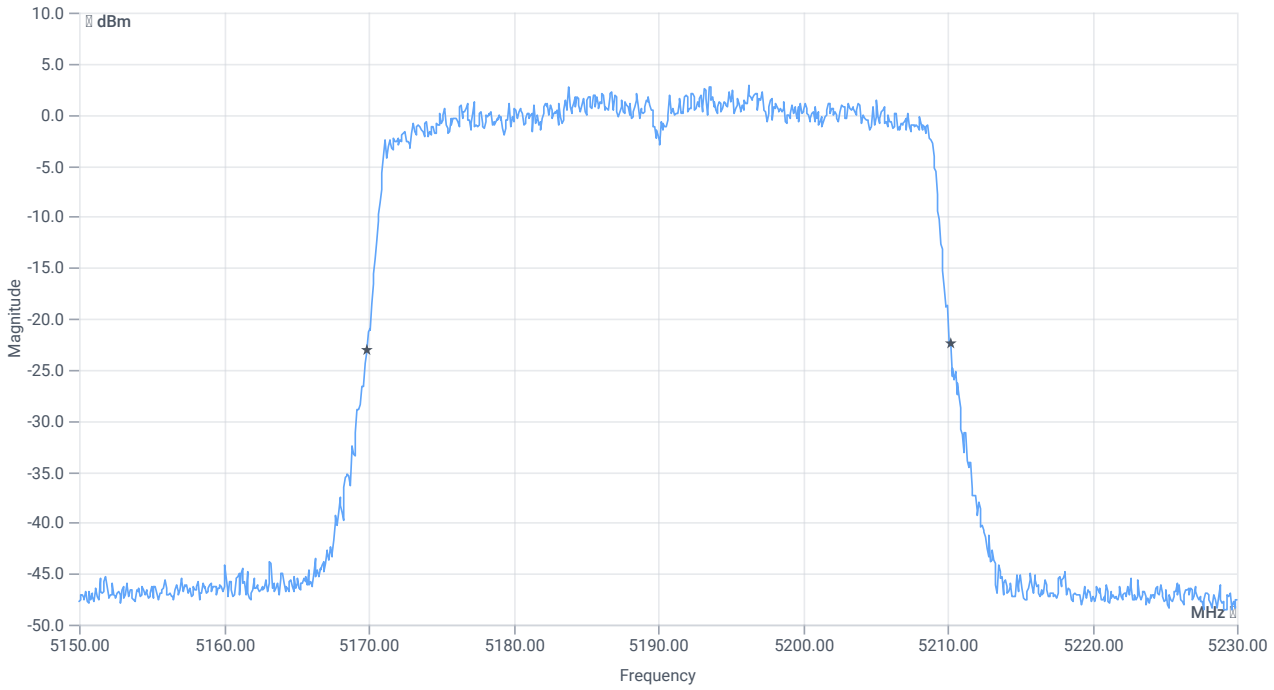
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

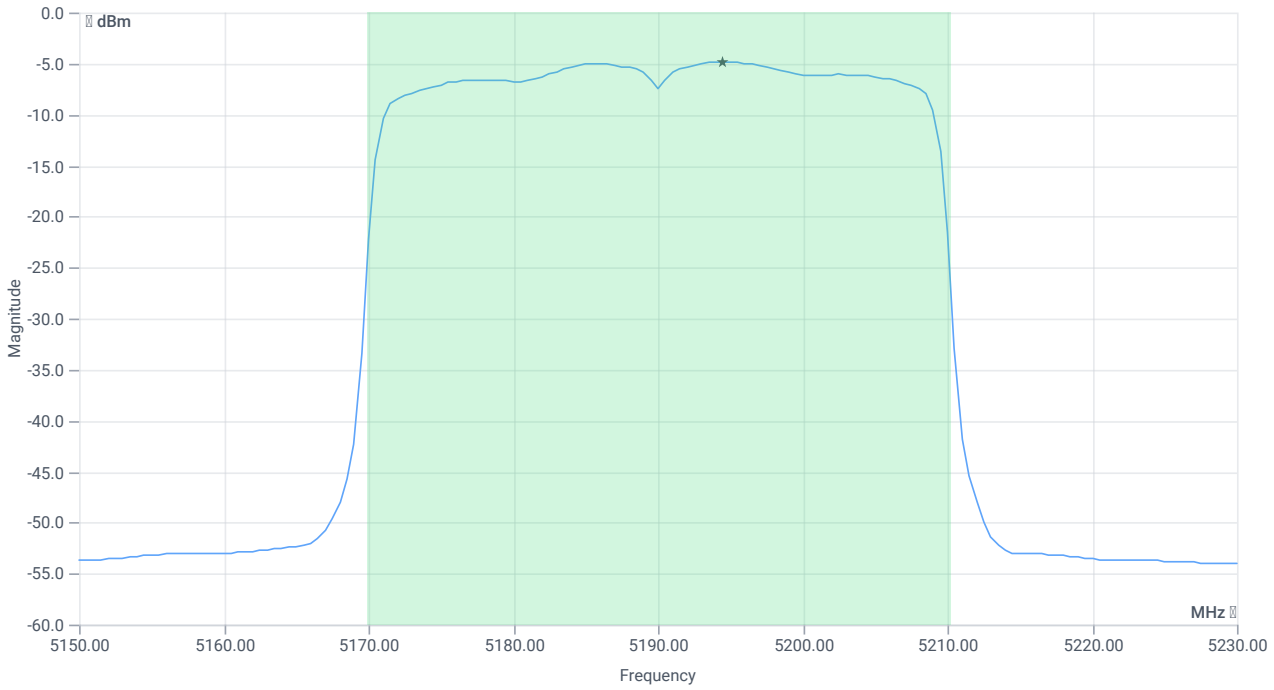
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5169.9200	MHz	INFO
T2 26dB	---	---	5210.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.51 | 14.04 | 20
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	---	---	9.43	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.43	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	9.43	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.82	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:15:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

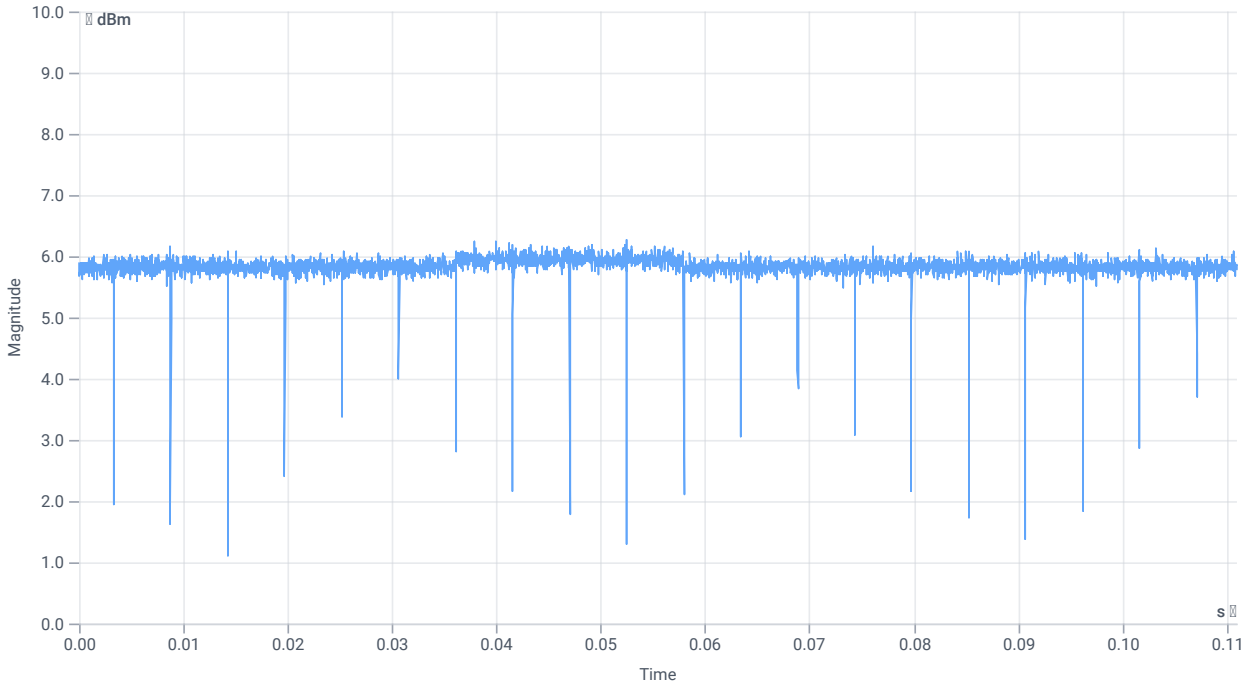
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.81	dBm	INFO
Ref. frequency	---	---	5238.190	MHz	INFO

Evaluation max. duty cycle

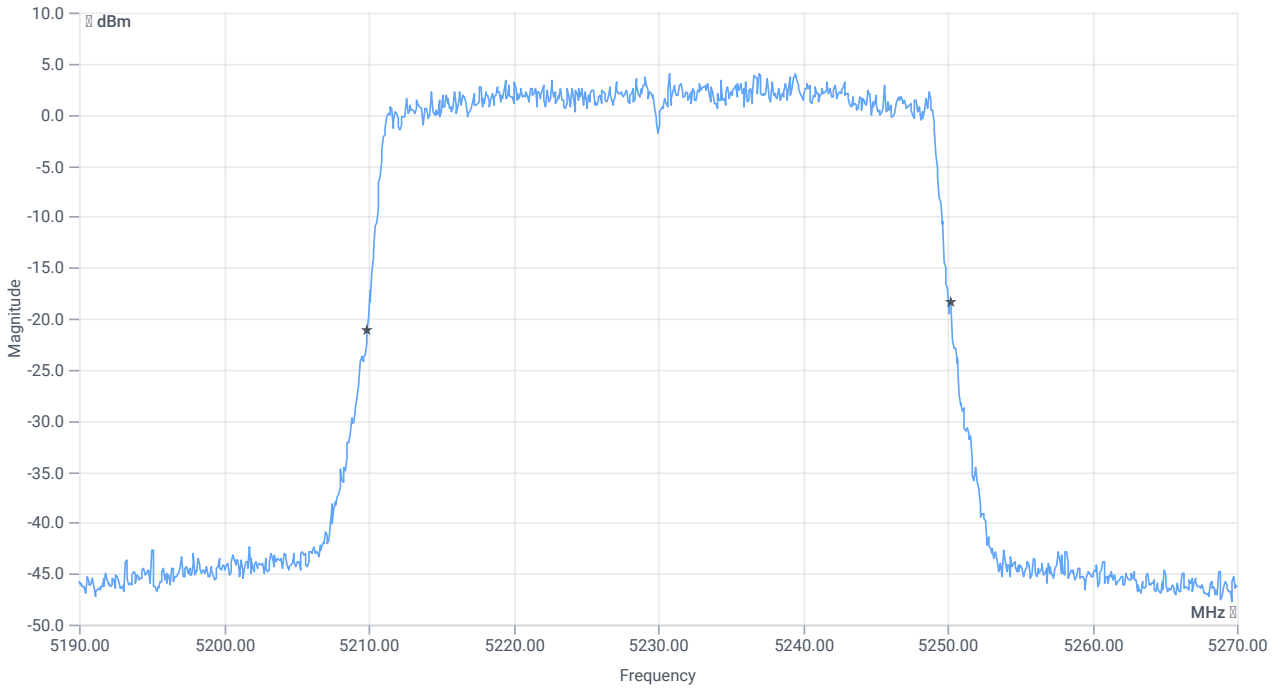
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

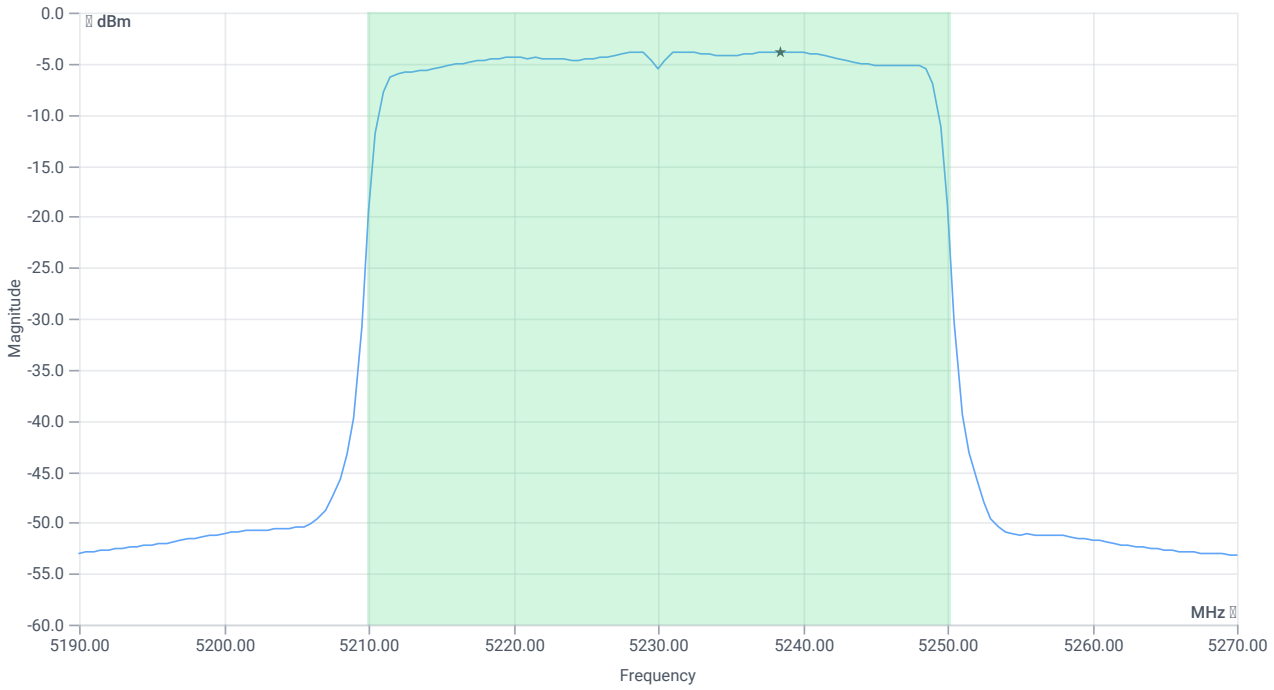
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.32	MHz	INFO
T1 26dB	---	---	5209.9200	MHz	INFO
T2 26dB	---	---	5250.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.81 | 14.38 | 20
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	---	---	10.96	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.96	dBm	PASS
LIMIT: 11 dBm + 10 log 40.32					
Max output power DC corrected cond	---	27.06	10.96	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.82	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:19:41
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5230 MHz

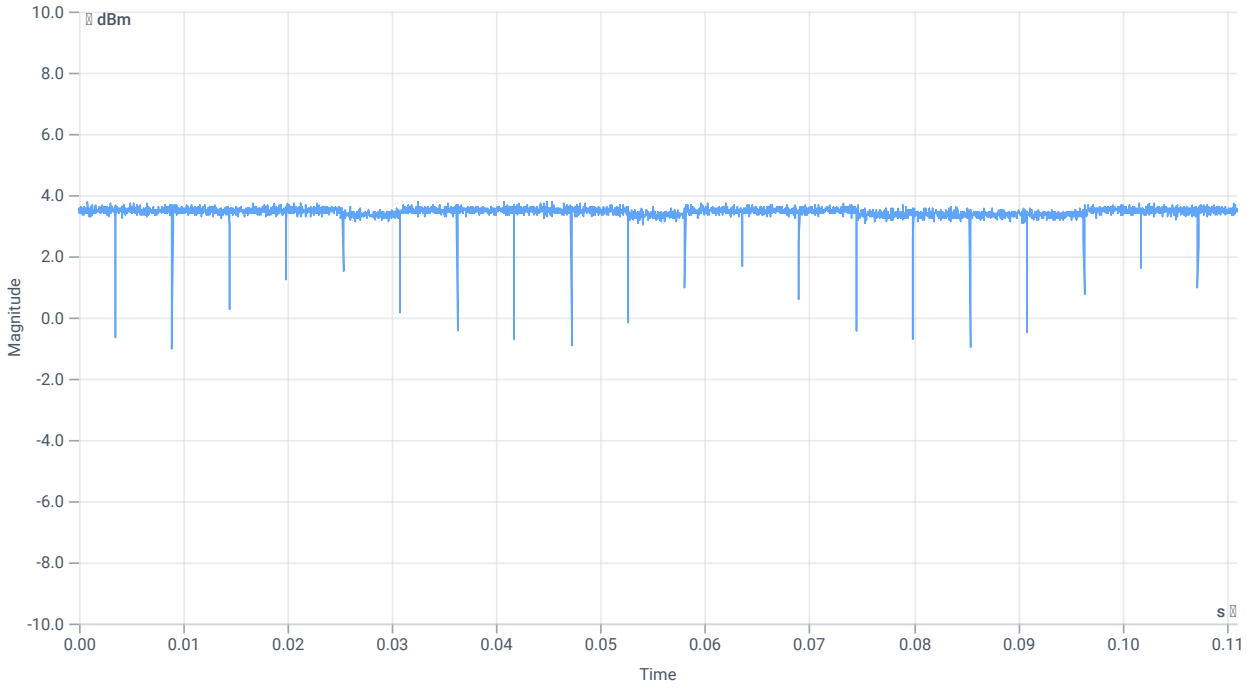
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.72	dBm	INFO
Ref. frequency	---	---	5226.200	MHz	INFO

Evaluation max. duty cycle

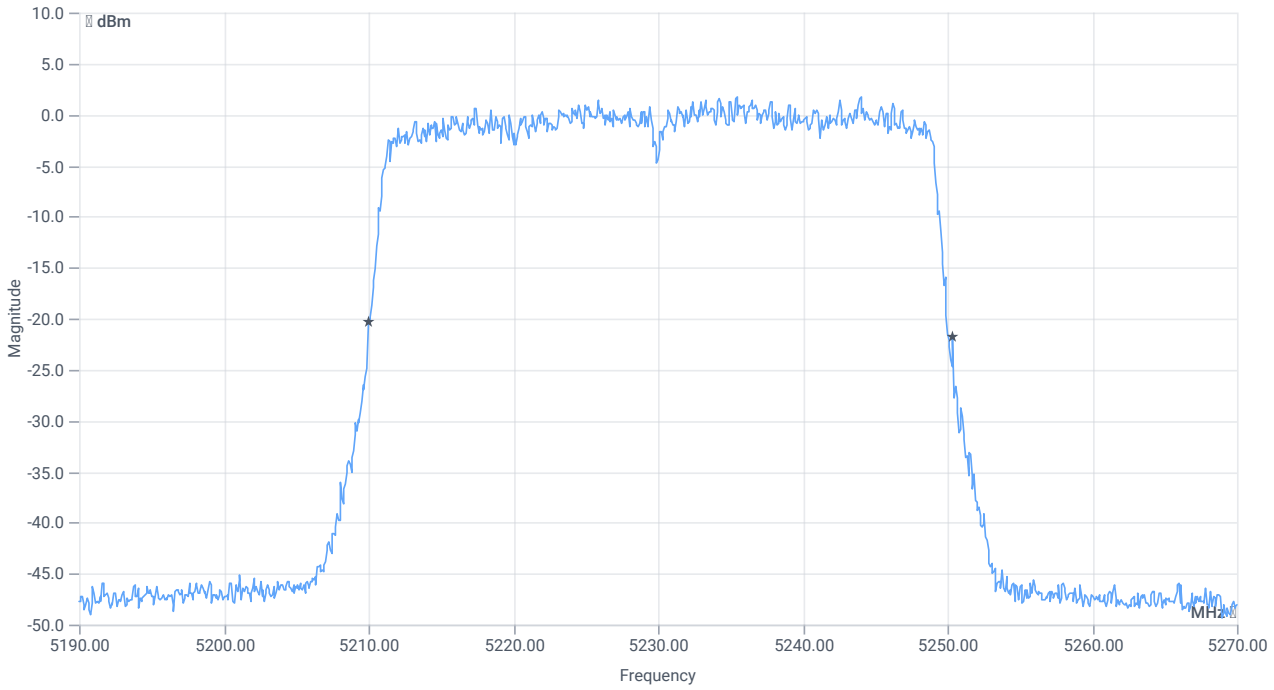
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

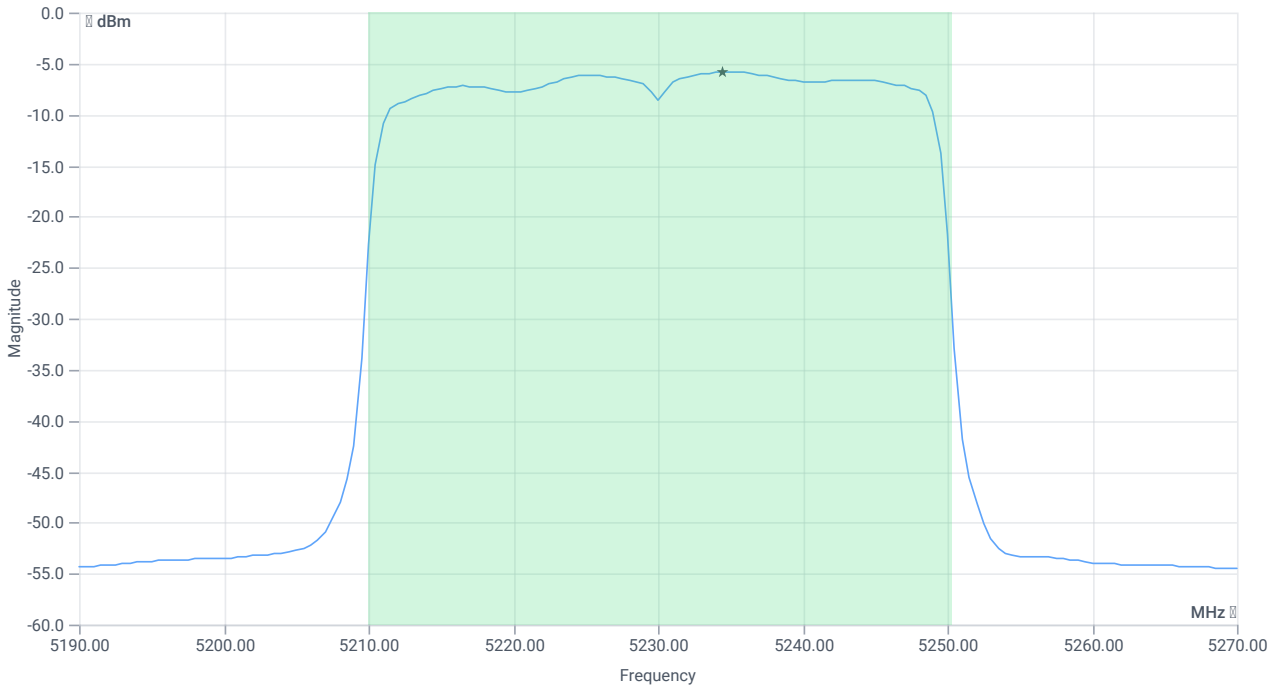
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5210.0000	MHz	INFO
T2 26dB	---	---	5250.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.72 | 13.51 | 20
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	---	---	8.62	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.62	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	8.62	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-5.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-5.82	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:24:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

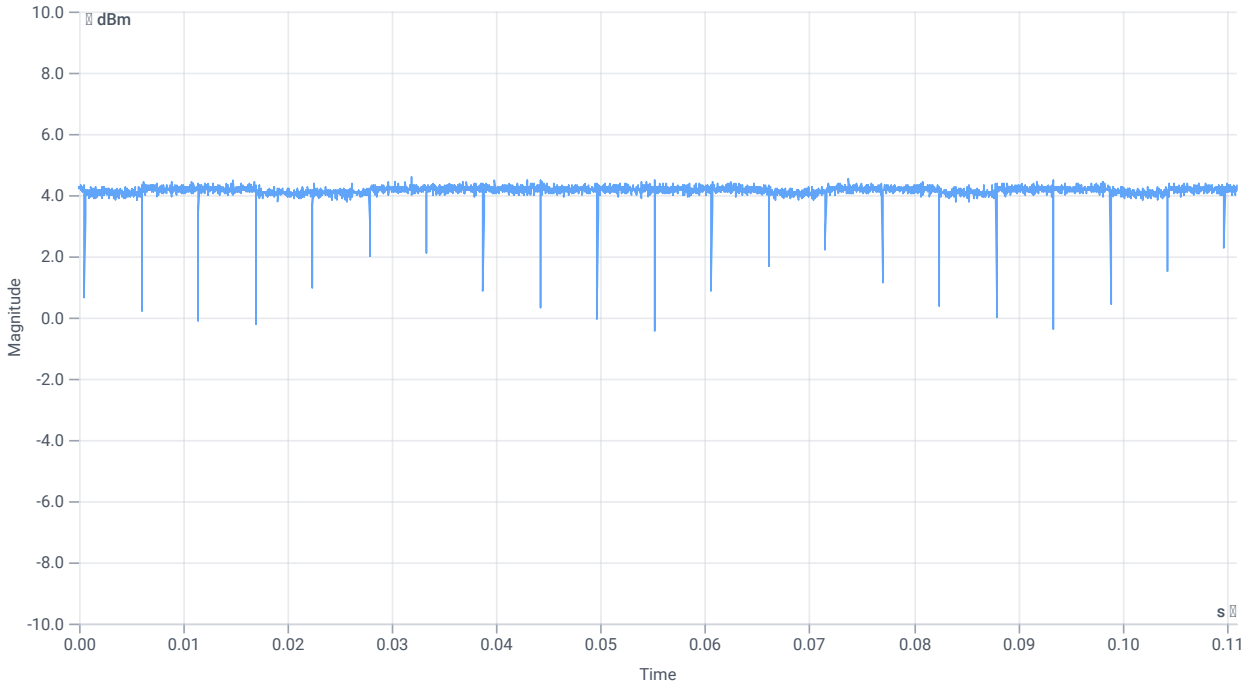
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.15	dBm	INFO
Ref. frequency	---	---	5765.190	MHz	INFO

Evaluation max. duty cycle

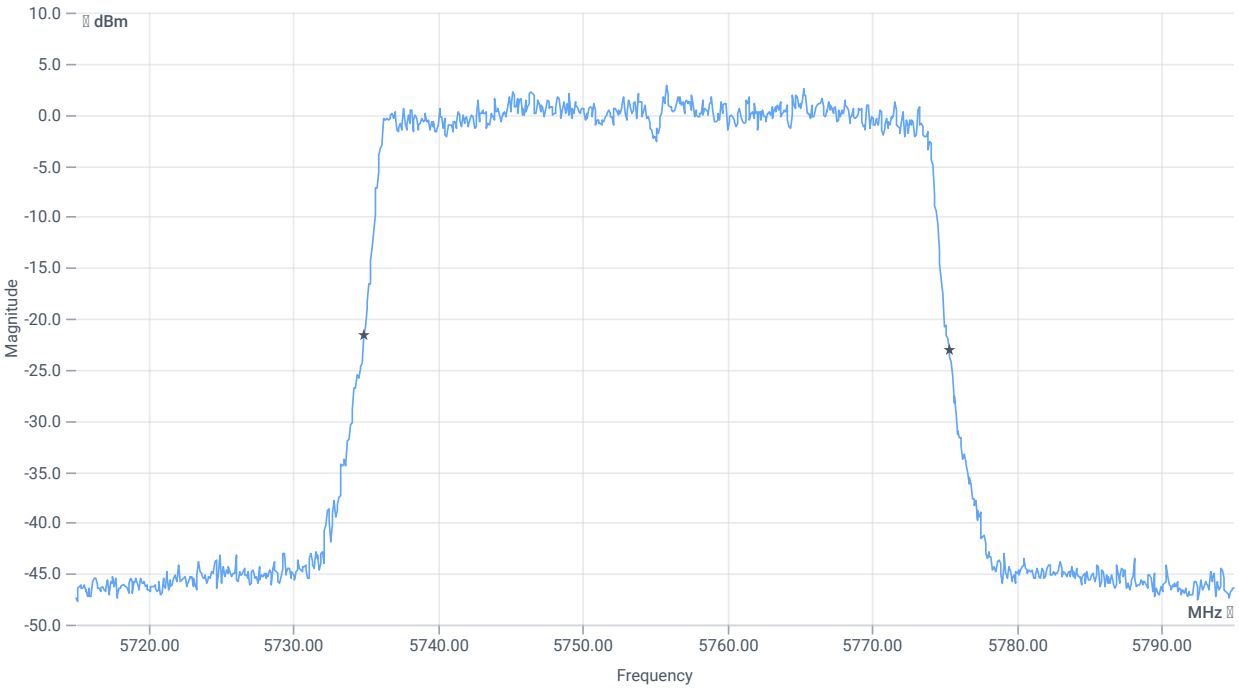
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

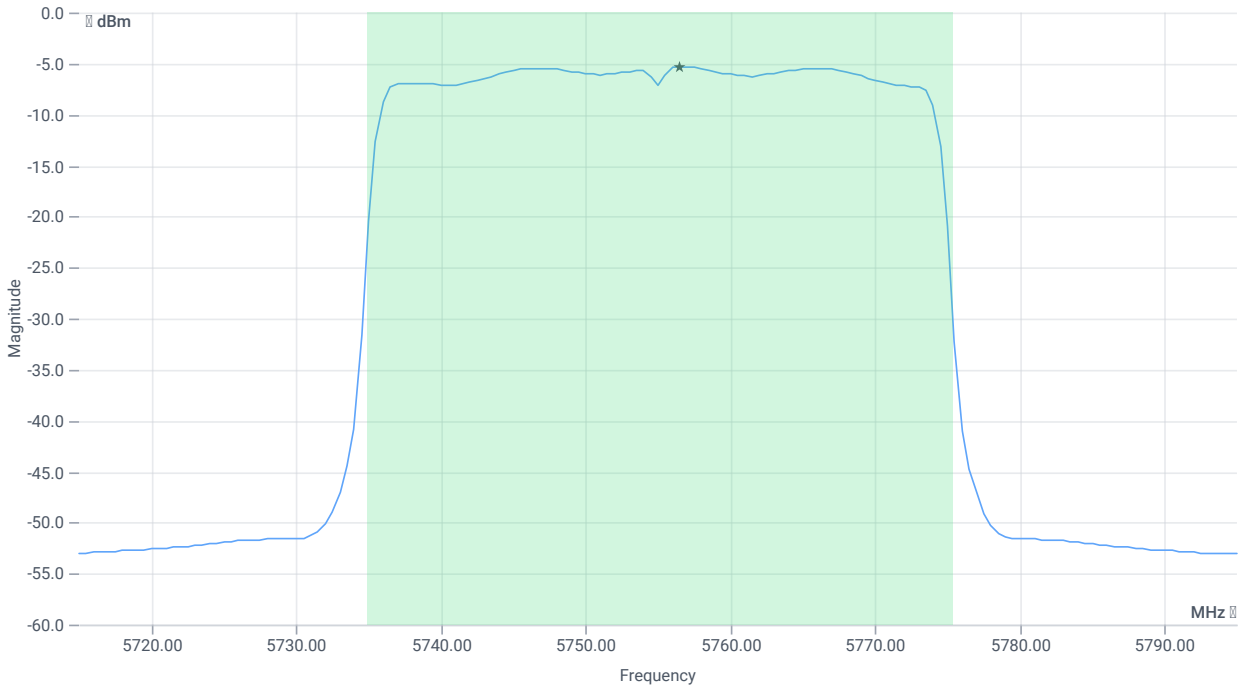
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.48	MHz	INFO
T1 26dB	---	---	5734.8400	MHz	INFO
T2 26dB	---	---	5775.3200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.15 | 13.98 | 20
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

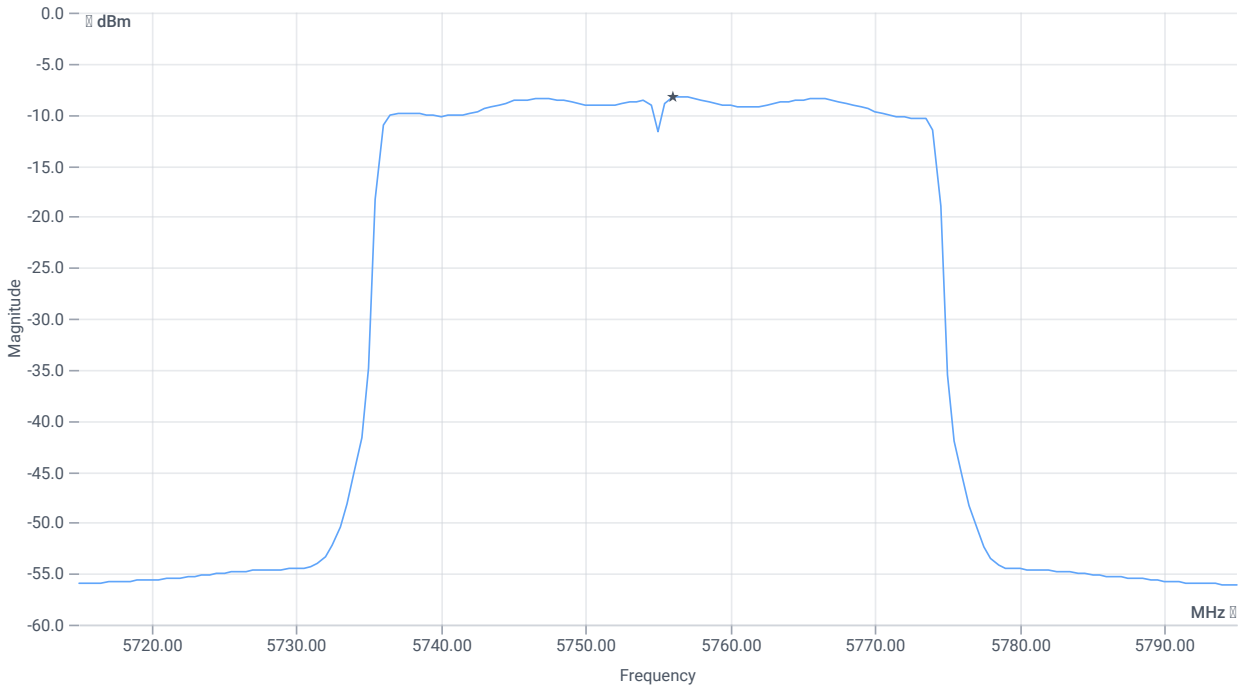
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.39	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.39	dBm	PASS
LIMIT: 11 dBm + 10 log 40.48					
Max output power DC corrected cond	---	27.07	9.39	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.15 | 13.98 | 20
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	---	---	-8.29	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-8.29	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:32:24
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

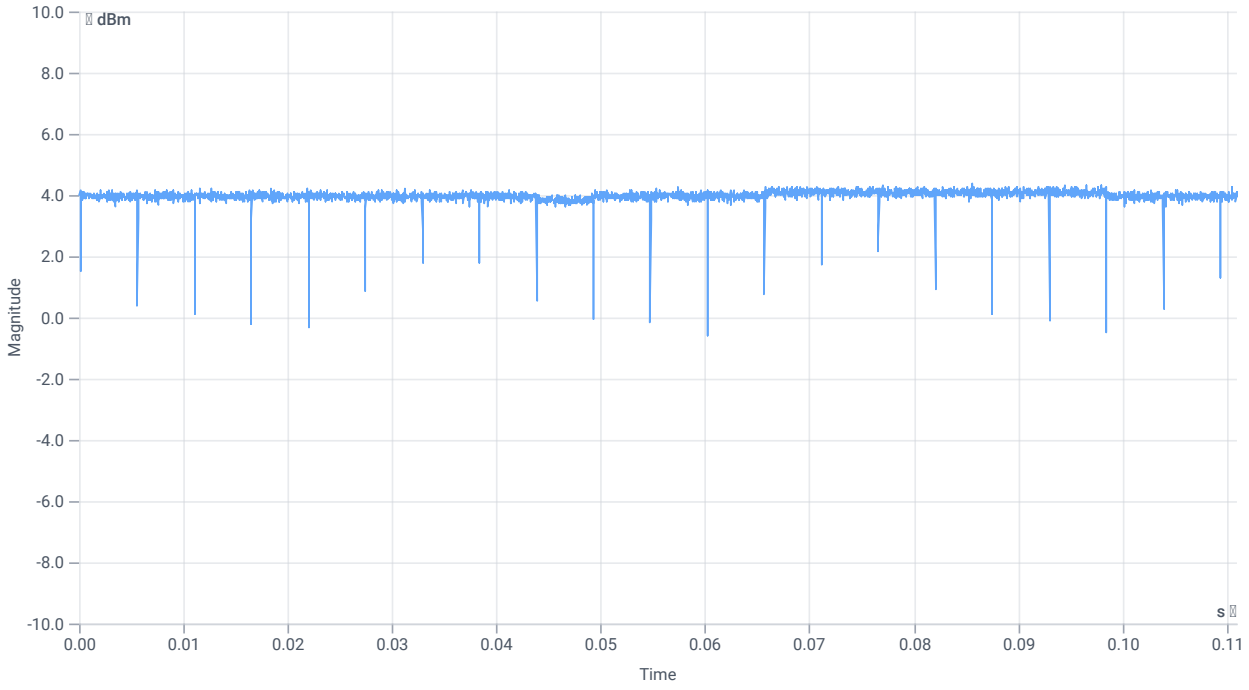
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.75	dBm	INFO
Ref. frequency	---	---	5745.410	MHz	INFO

Evaluation max. duty cycle

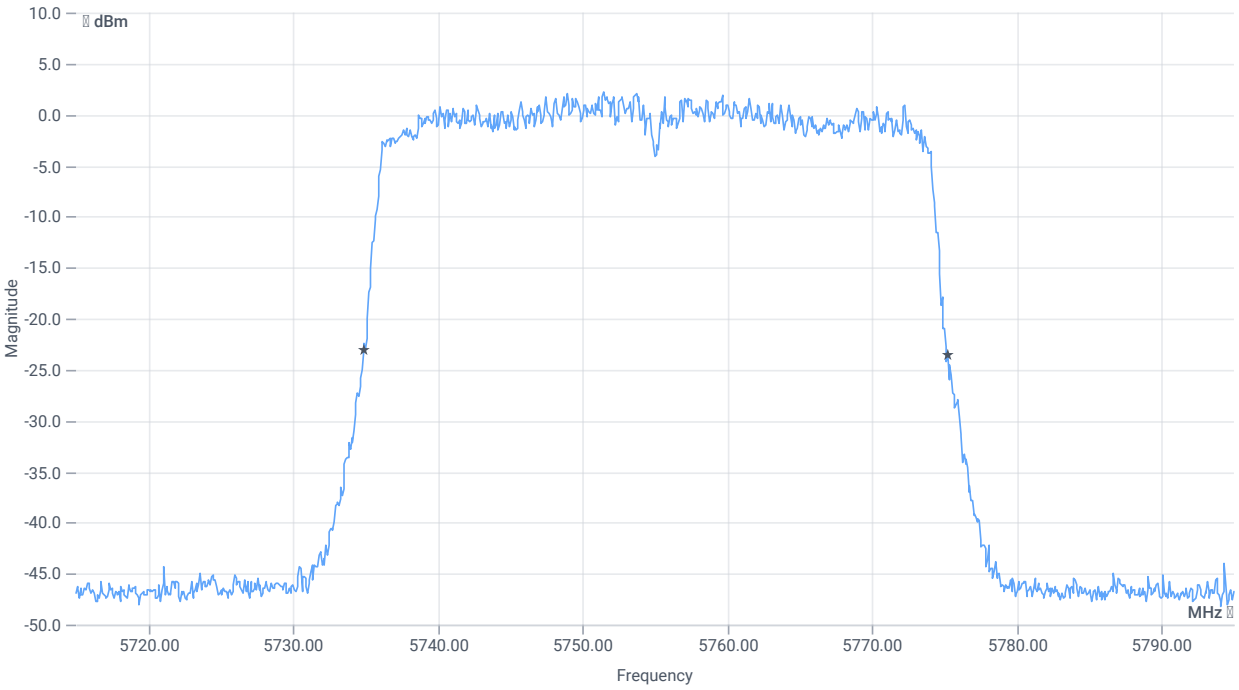
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

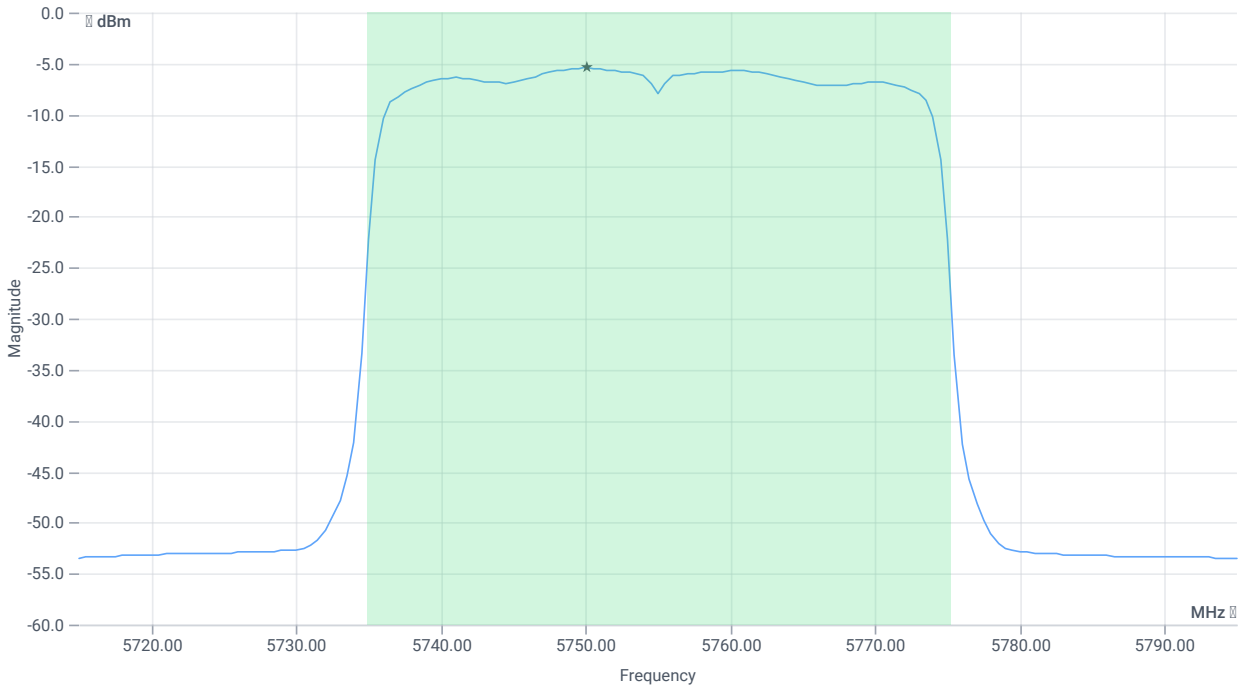
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5734.8400	MHz	INFO
T2 26dB	---	---	5775.2400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.75 | 13.94 | 20
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

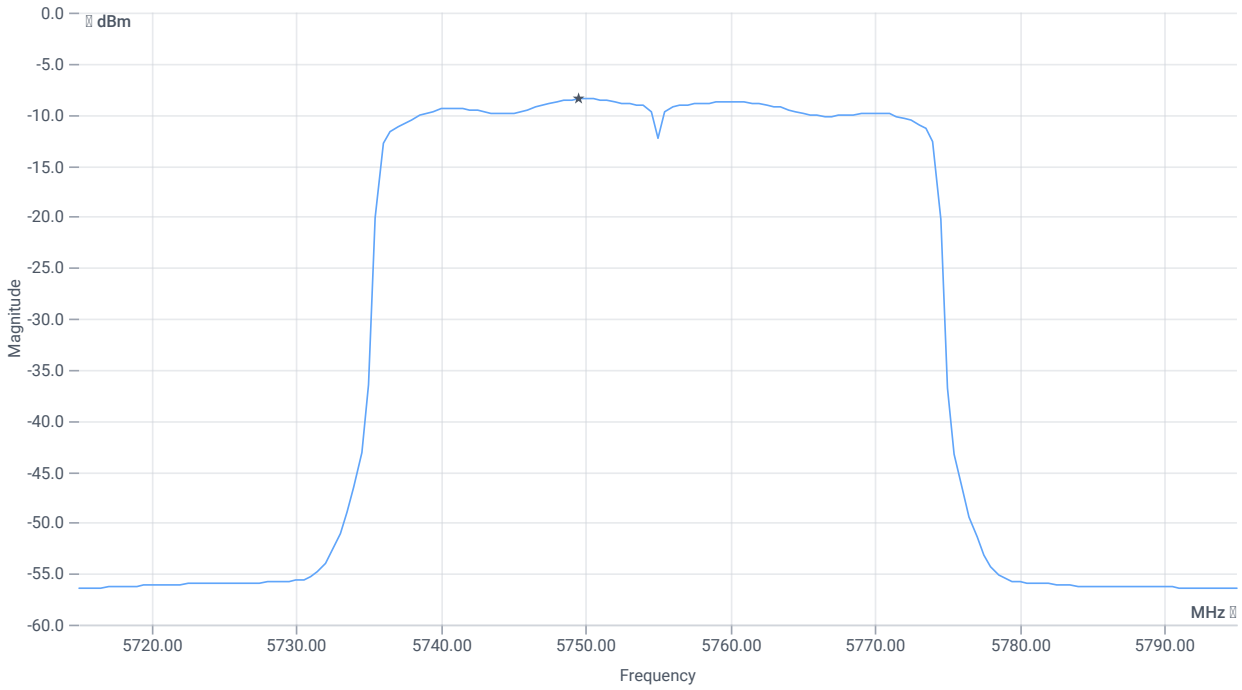
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.03	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.03	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	9.03	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.75 | 13.94 | 20
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	---	---	-8.48	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-8.48	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:40:41
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

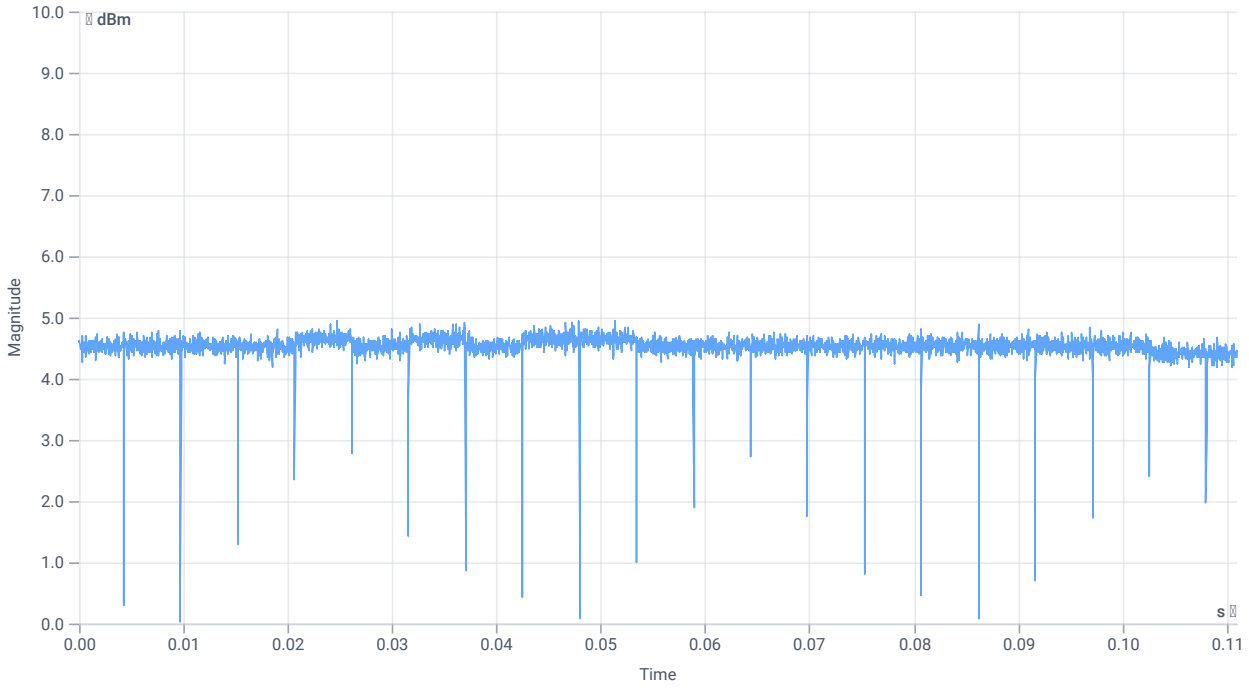
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.23	dBm	INFO
Ref. frequency	---	---	5778.420	MHz	INFO

Evaluation max. duty cycle

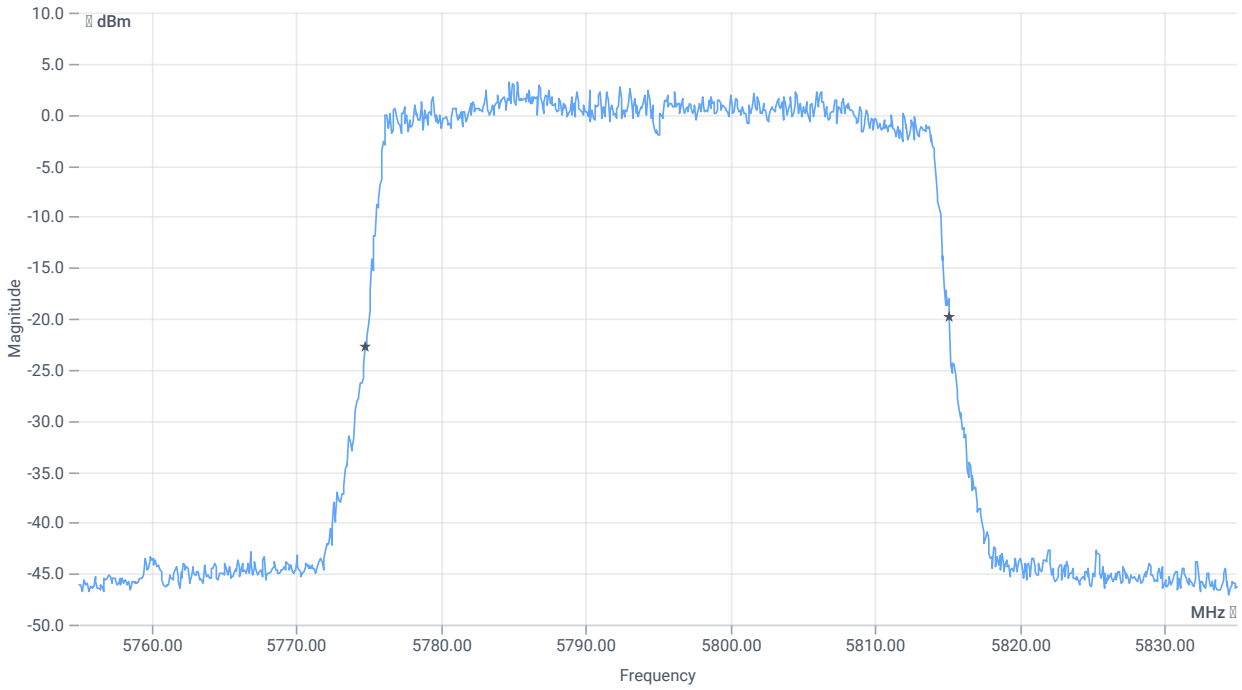
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

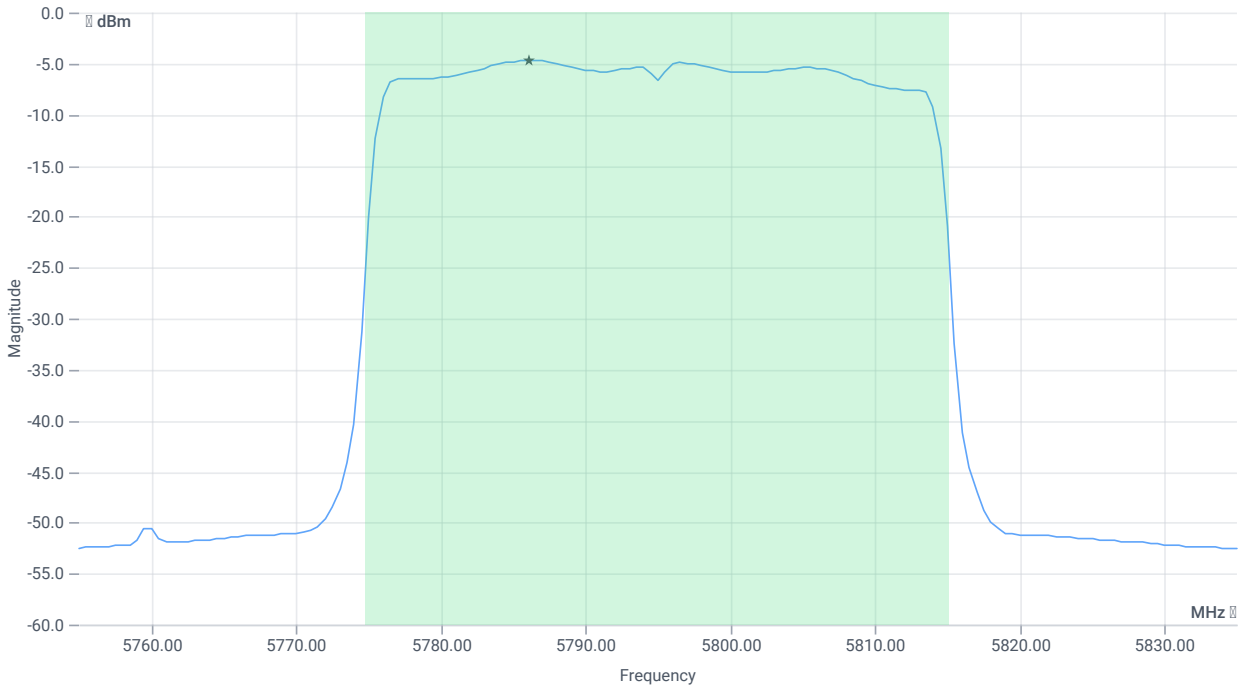
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5774.7600	MHz	INFO
T2 26dB	---	---	5815.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.23 | 14.49 | 20
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

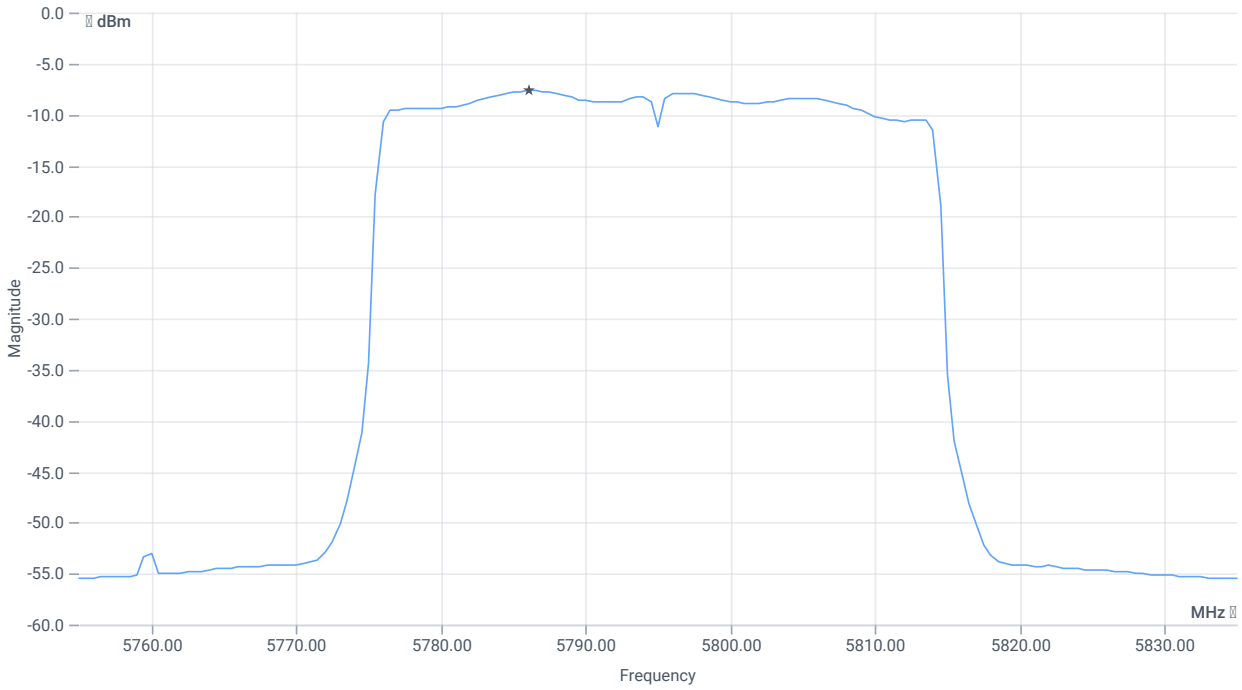
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.74	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.74	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	9.74	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.23 | 14.49 | 20
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	---	---	-7.68	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.68	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 10:48:01
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

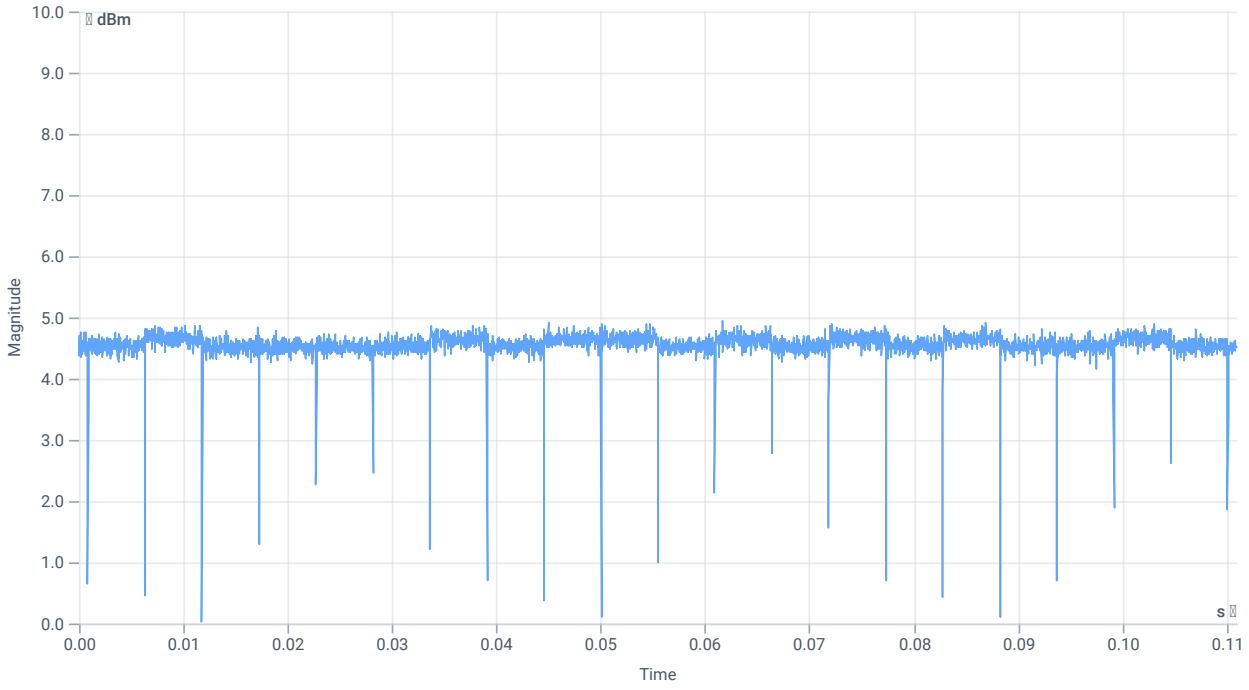
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.26	dBm	INFO
Ref. frequency	---	---	5803.590	MHz	INFO

Evaluation max. duty cycle

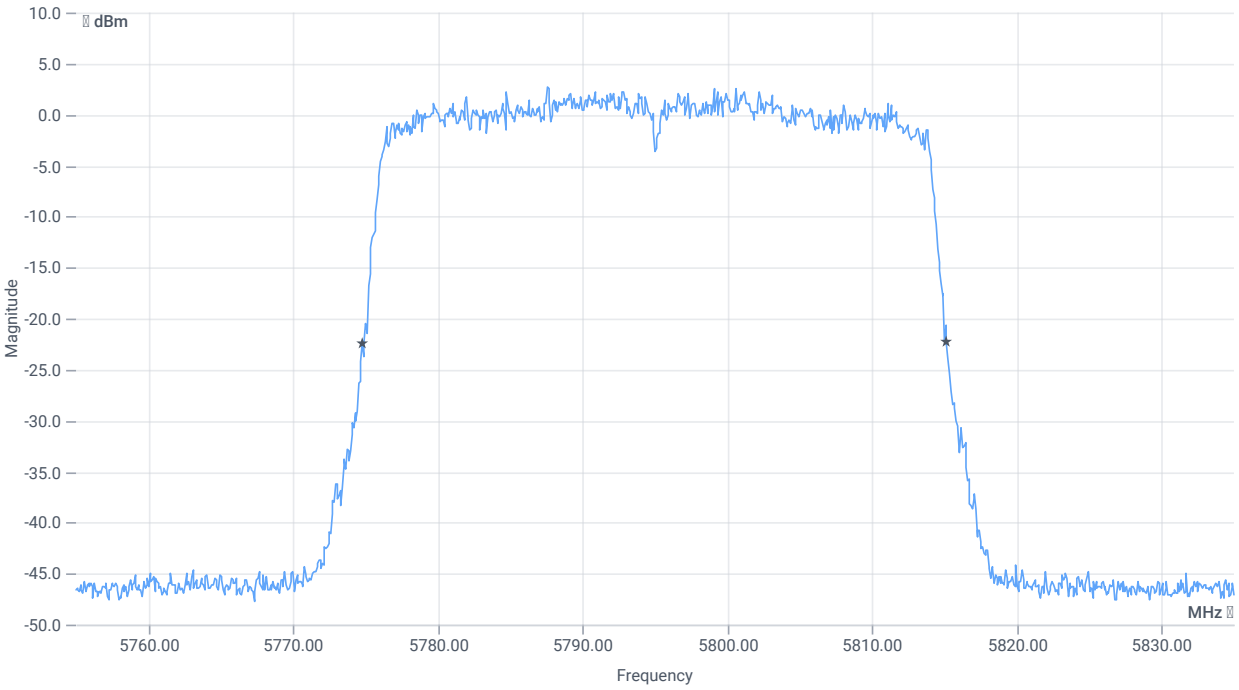
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

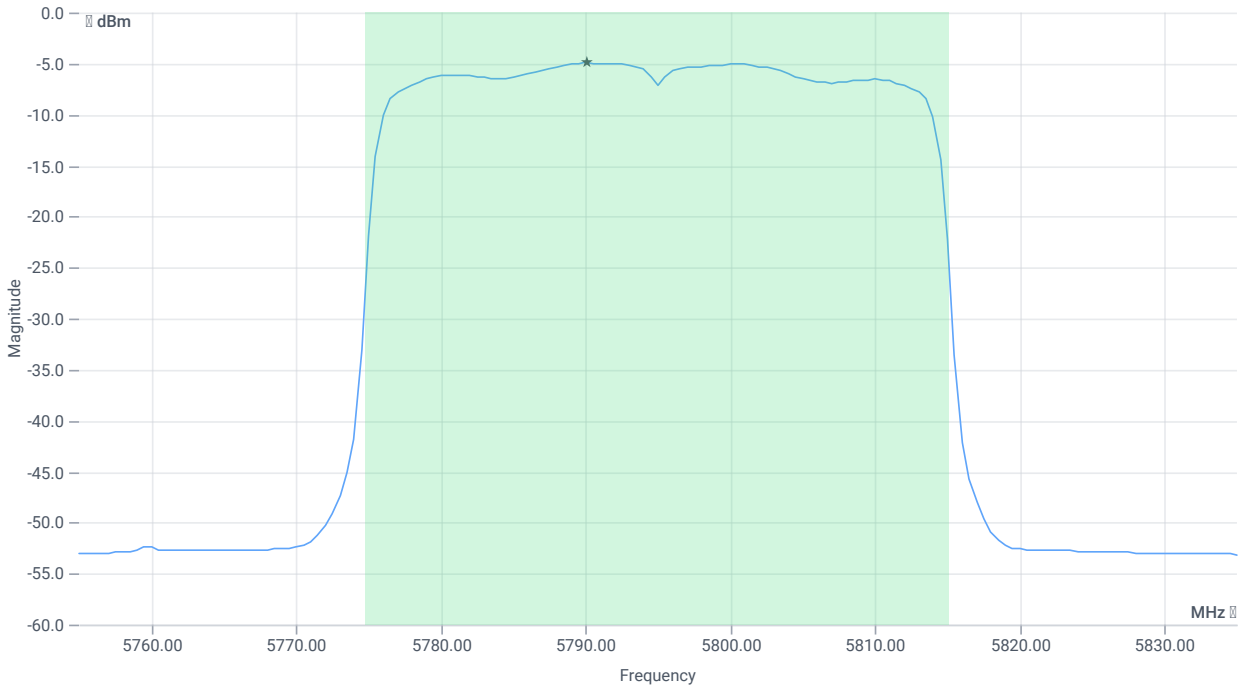
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	40.4	MHz	INFO
T1 26dB	---	---	5774.7600	MHz	INFO
T2 26dB	---	---	5815.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.26 | 14.3 | 20
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

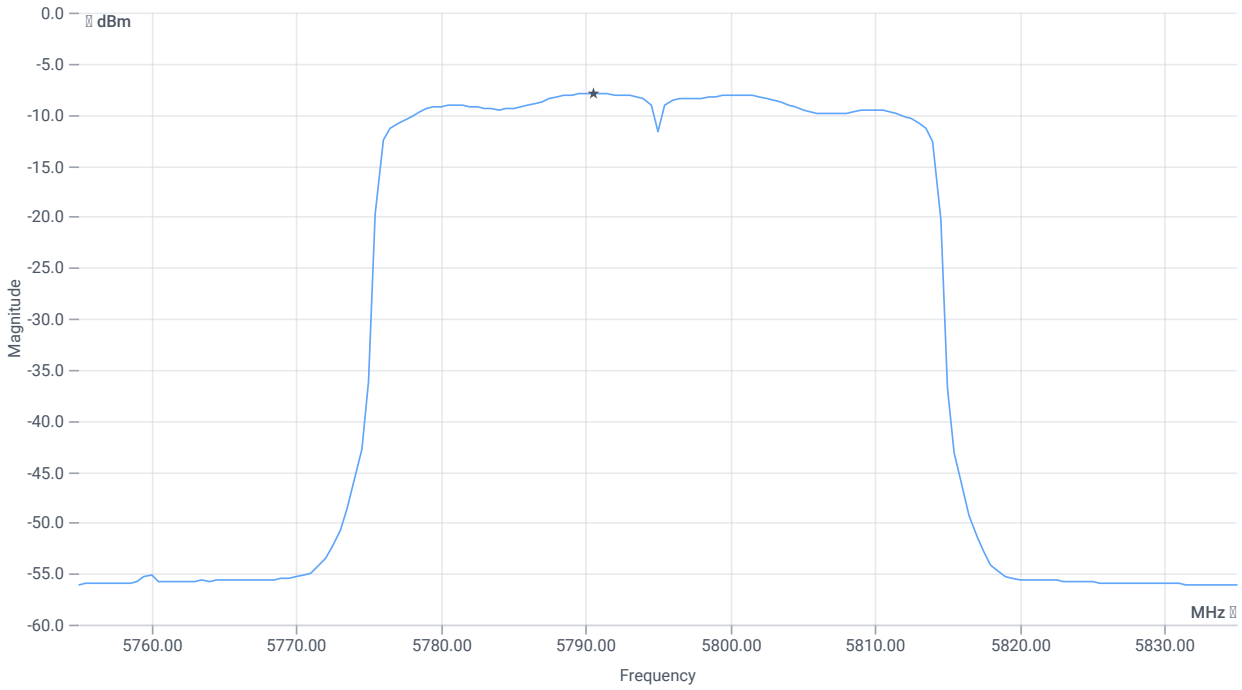
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.48	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	9.48	dBm	PASS
LIMIT: 11 dBm + 10 log 40.4					
Max output power DC corrected cond	---	27.06	9.48	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.26 | 14.3 | 20
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	---	---	-7.95	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.95	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:30:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

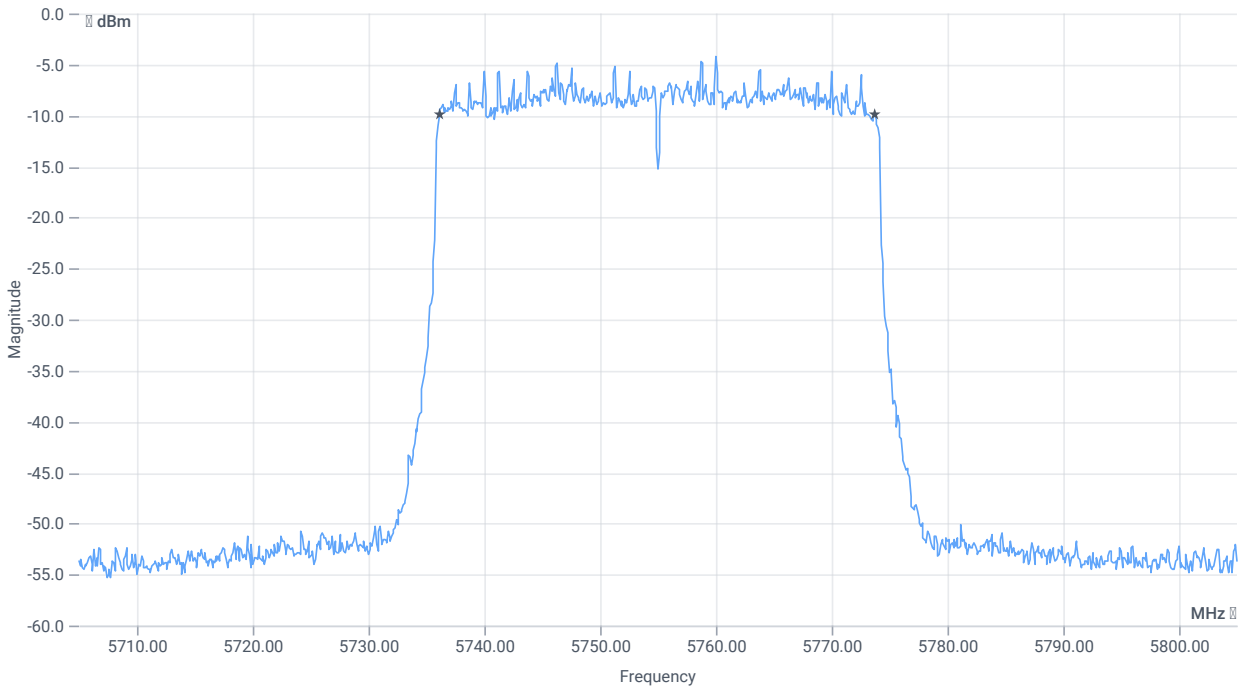
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.29	dBm	INFO
Ref. frequency	---	---	5762.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.29 | 13.98 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	37.6	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:38:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

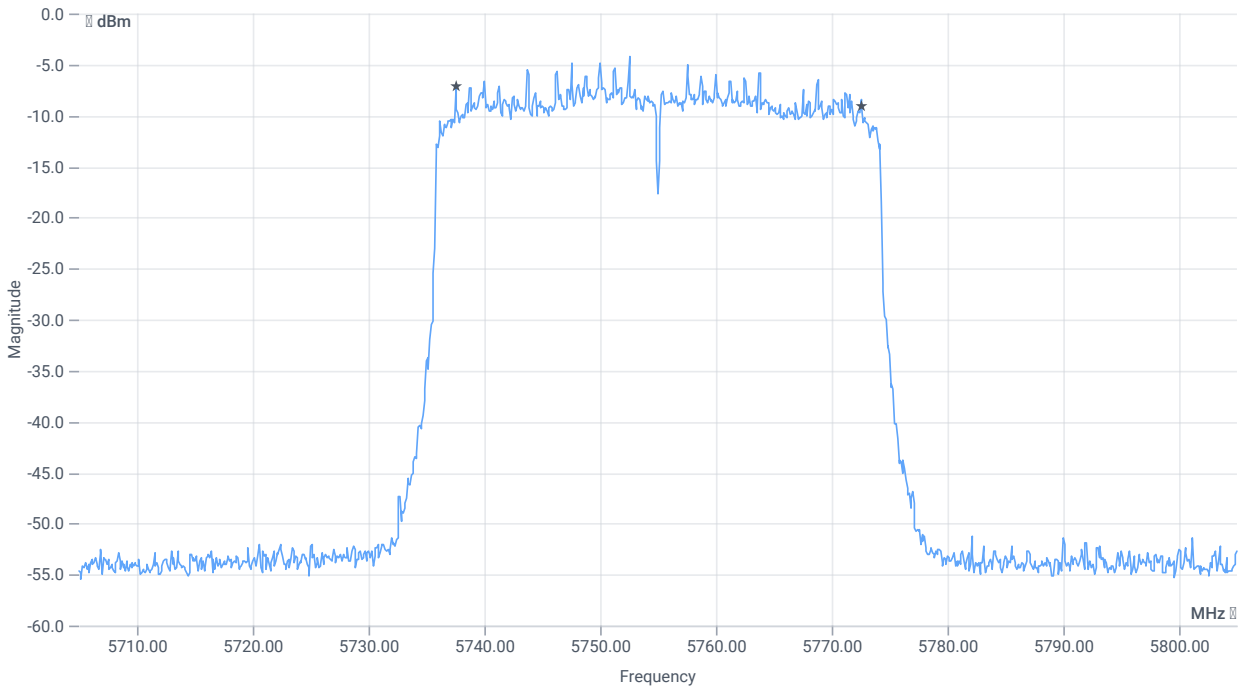
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.35	dBm	INFO
Ref. frequency	---	---	5750.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.35 | 13.94 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.1	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:46:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

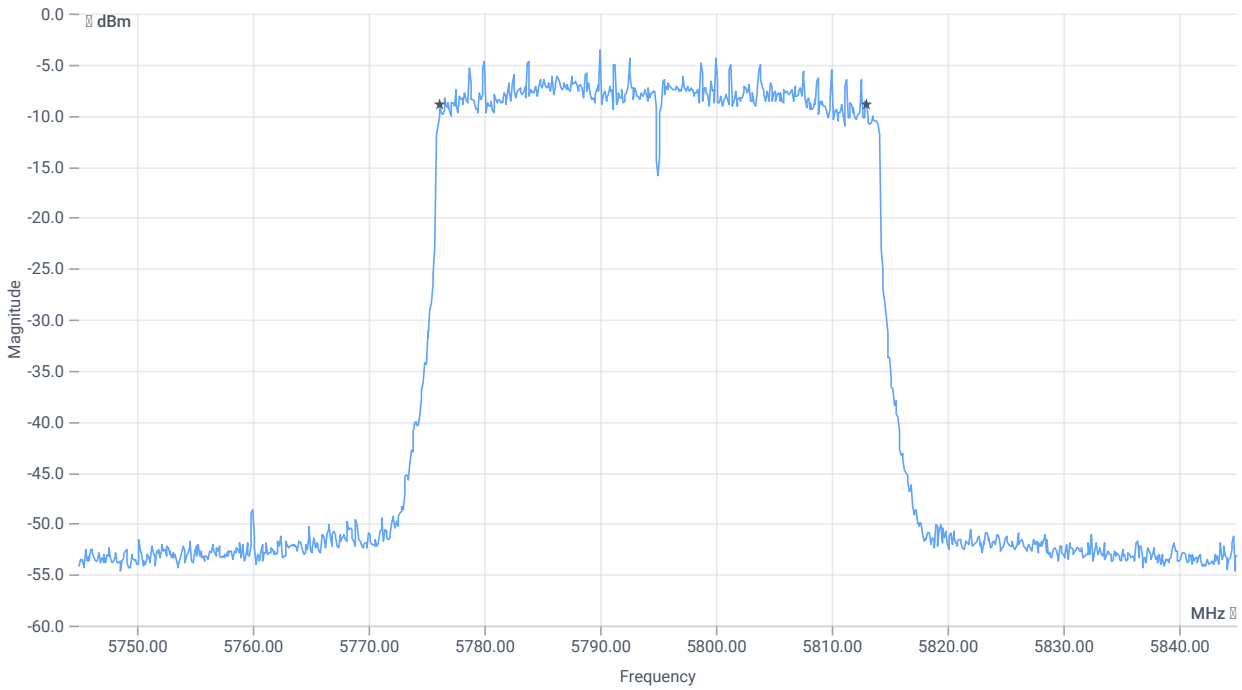
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.37	dBm	INFO
Ref. frequency	---	---	5785.810	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.37 | 14.49 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	36.8	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx ax-HE40 U-NII-3

References

TC start	24.11.2025 10:53:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx ax-HE40 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE40
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

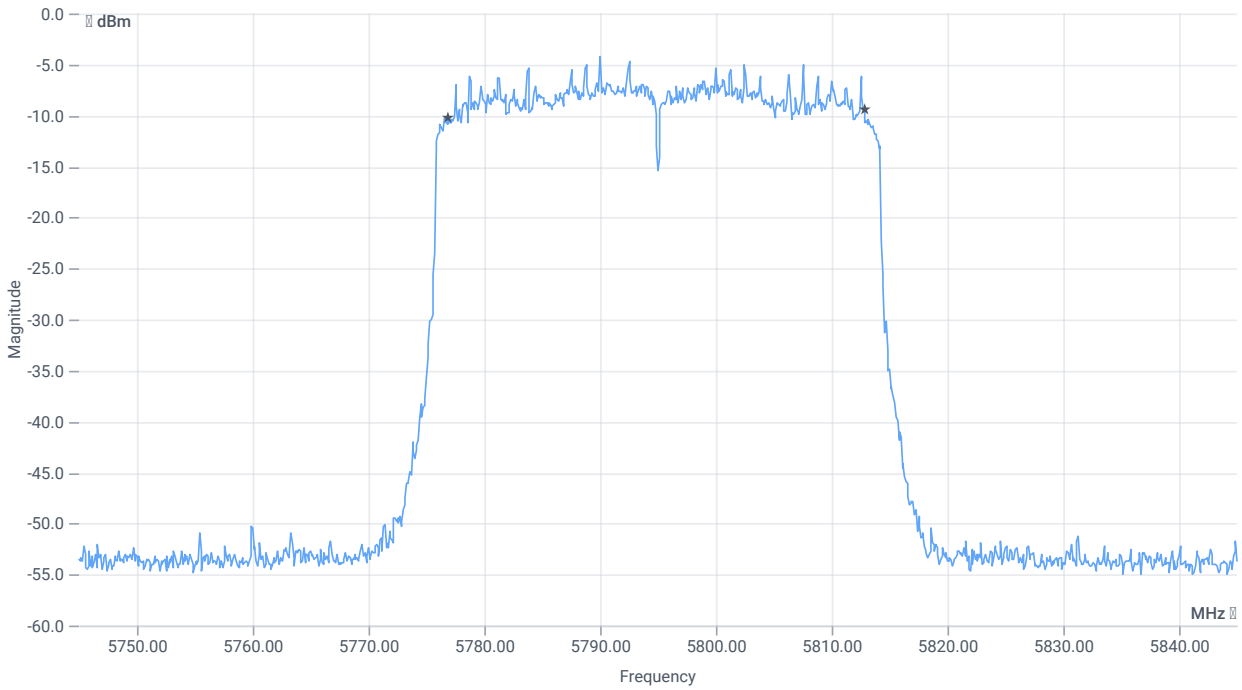
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.02	dBm	INFO
Ref. frequency	---	---	5800.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.02 | 14.3 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.9	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	24.11.2025 16:04:43
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

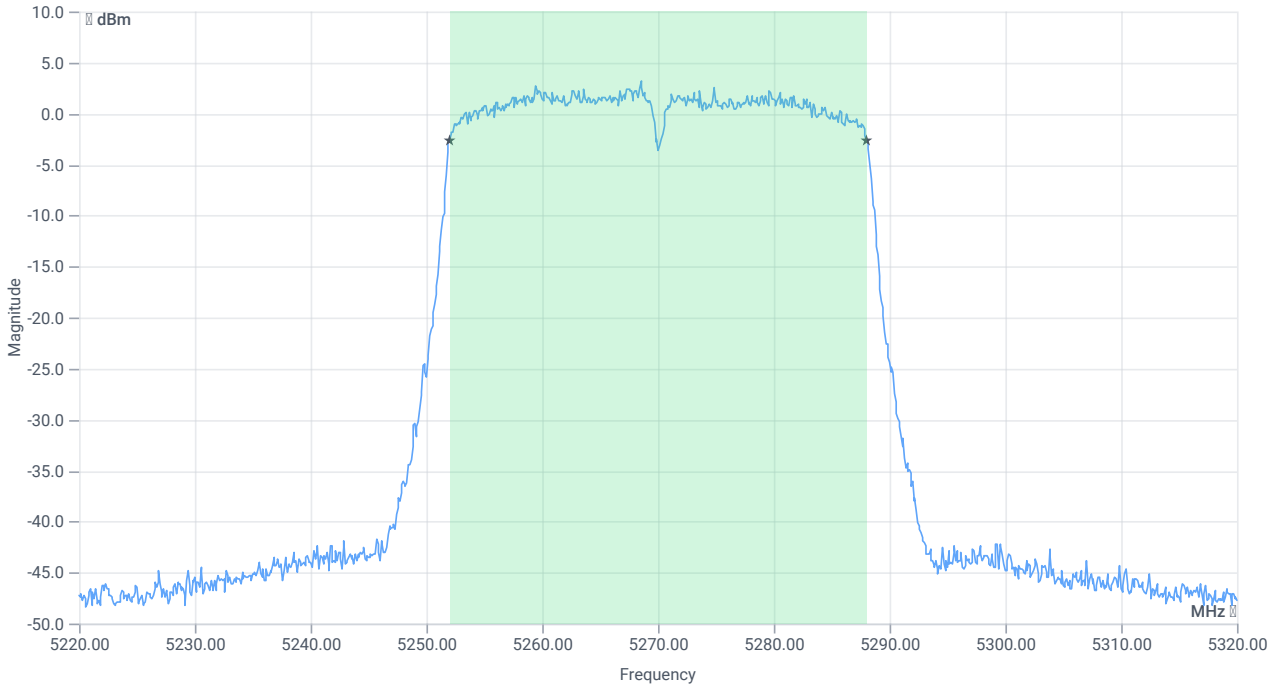
Test at TX 5270 MHz

RESULT: Reference power cond.

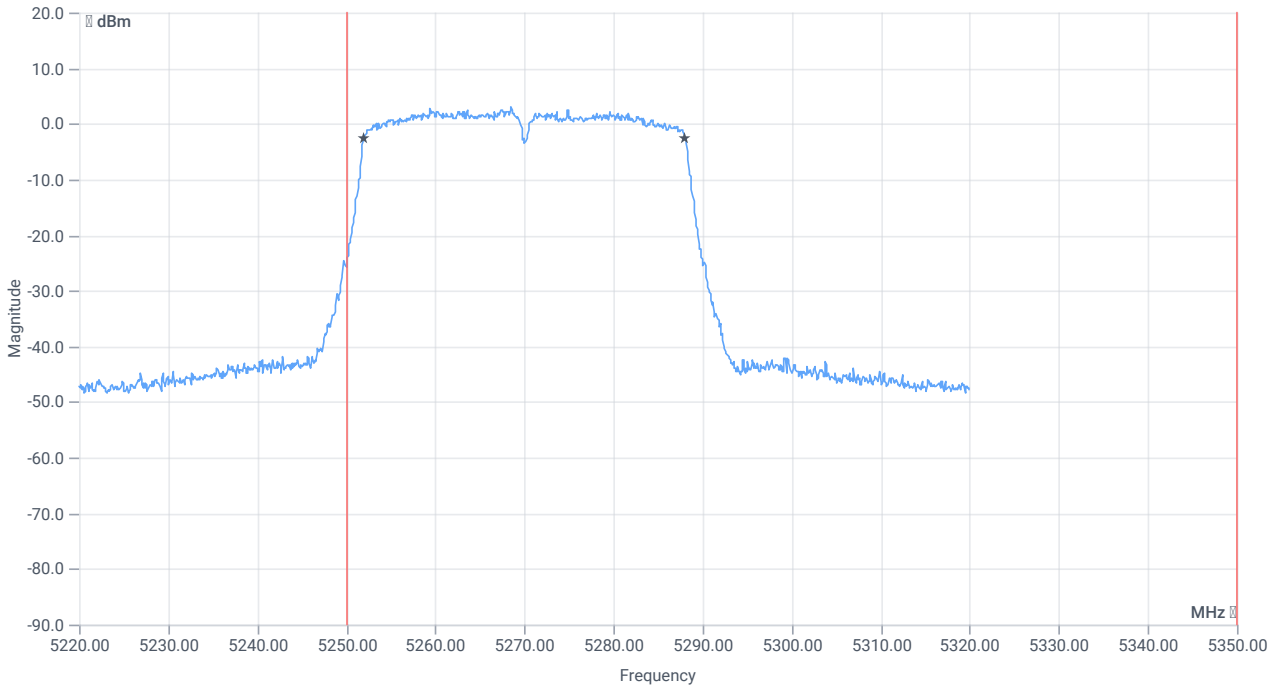
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.04	dBm	INFO
Ref. frequency	---	---	5274.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.04 | 13.73 | 20
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



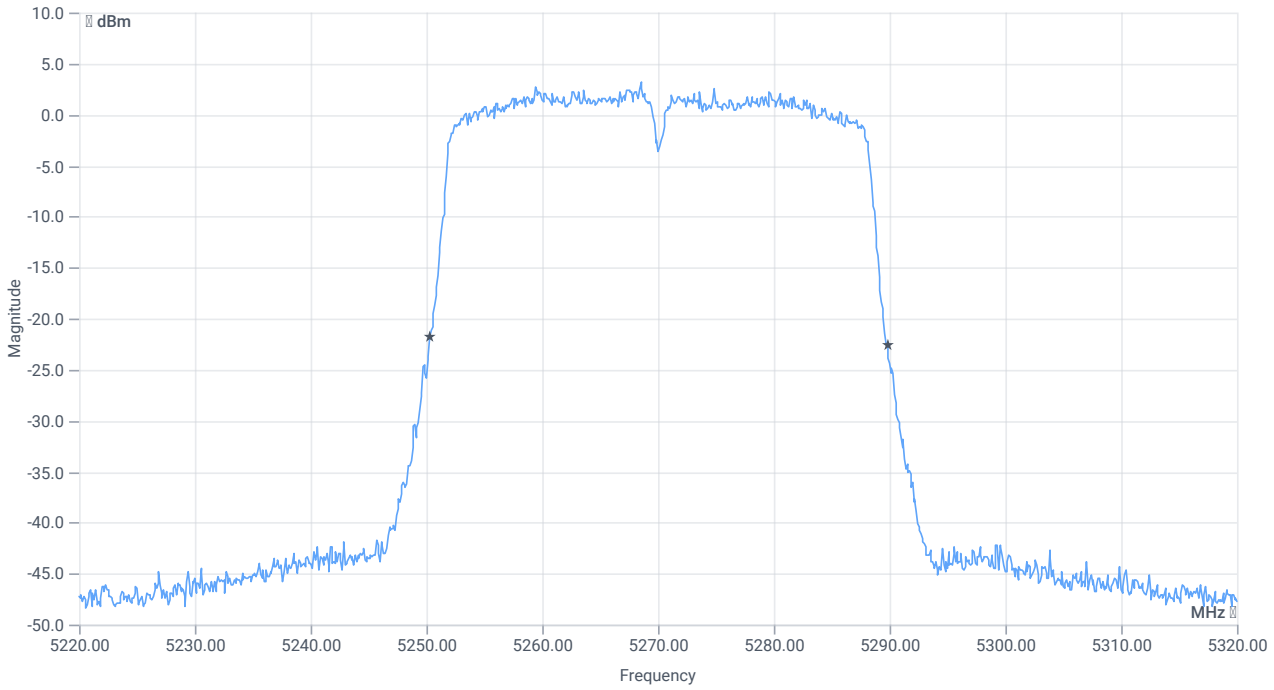
BW 99PCT



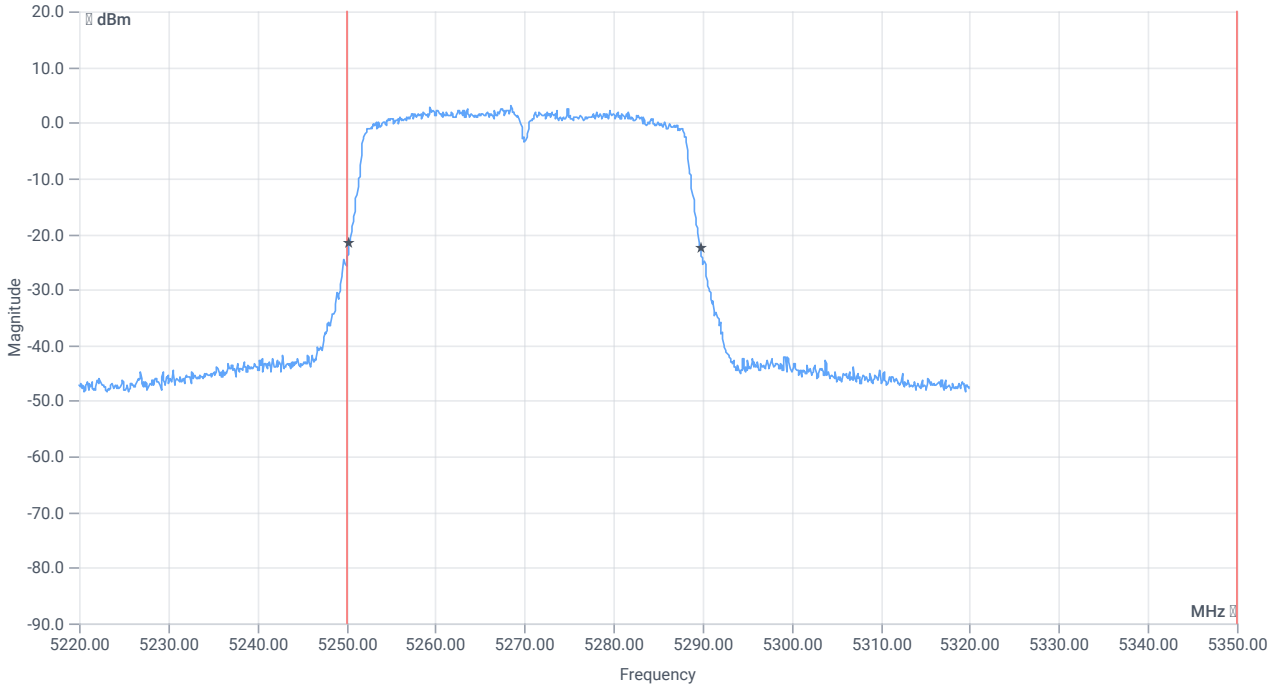
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5250.000000	---	5252.0180	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5287.9820	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5250.3000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5289.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	24.11.2025 16:09:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

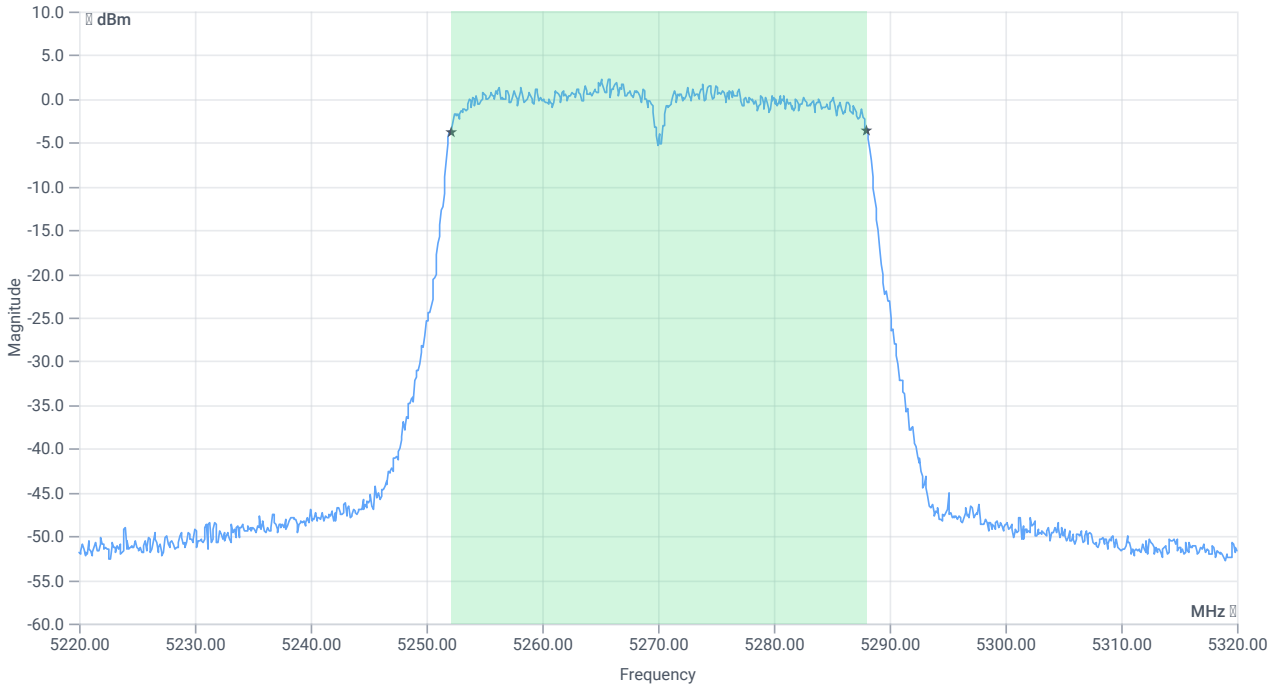
Test at TX 5270 MHz

RESULT: Reference power cond.

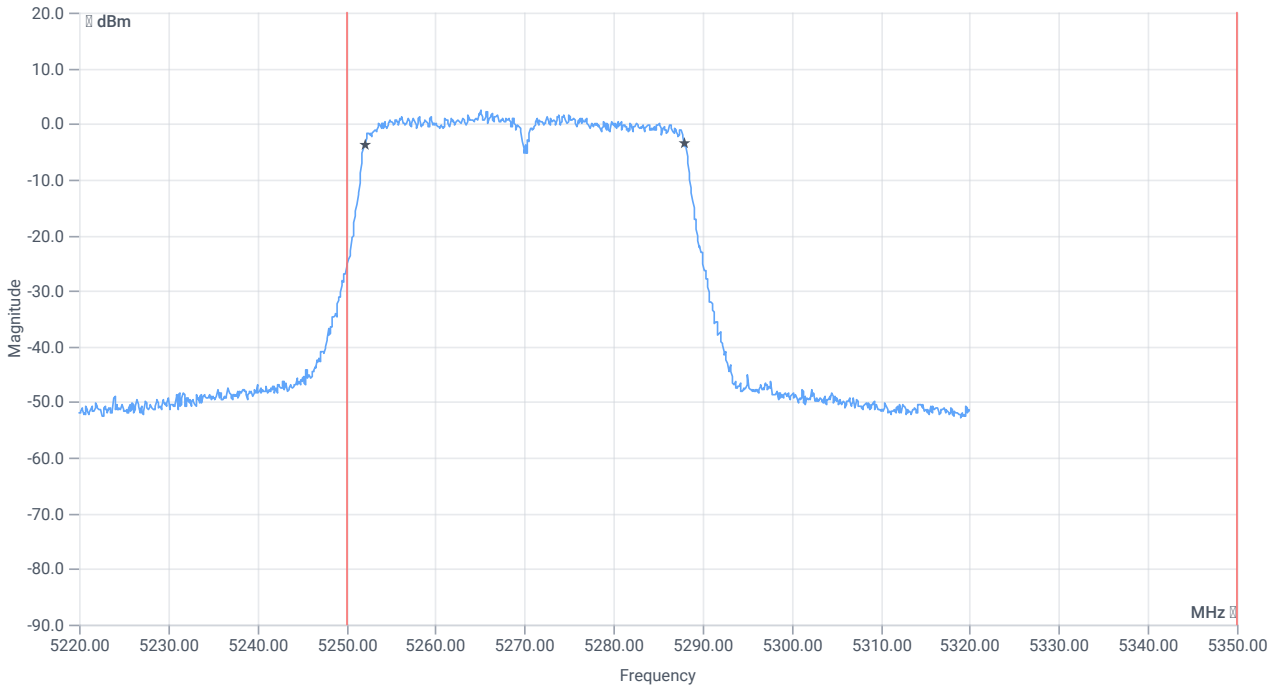
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.05	dBm	INFO
Ref. frequency	---	---	5265.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.05 | 13.38 | 15
Start [MHz] | Stop [MHz]	5220.000 | 5320.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



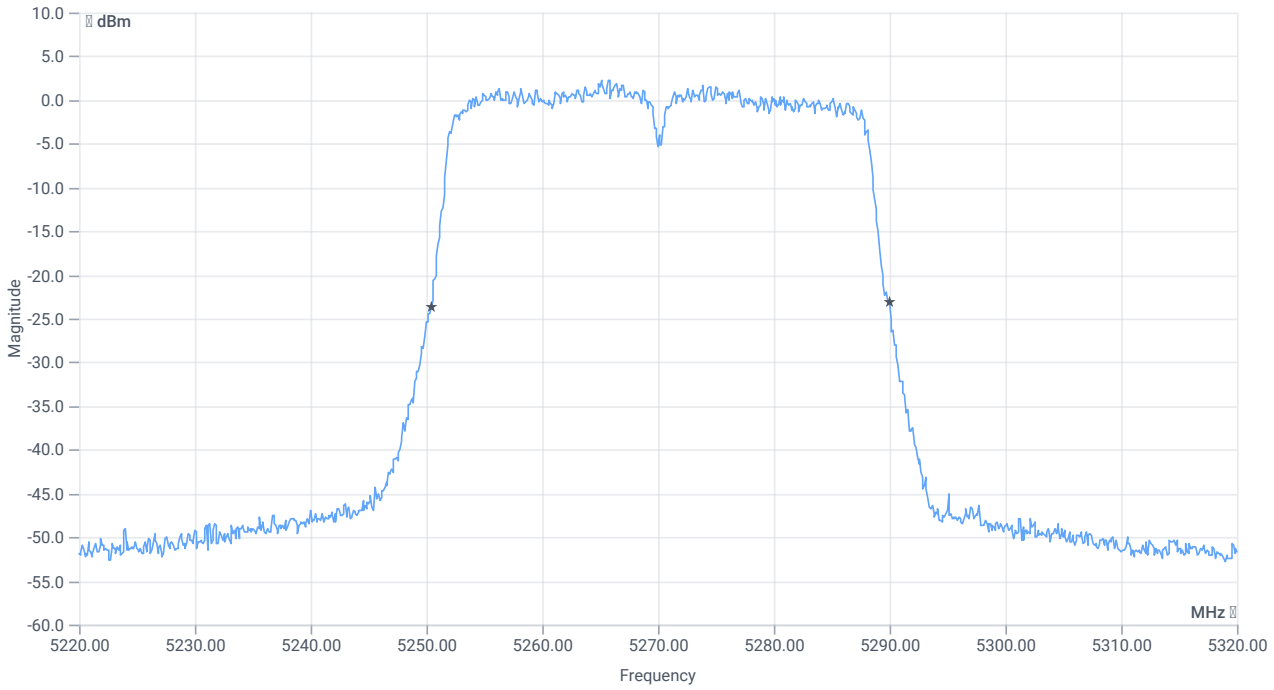
BW 99PCT



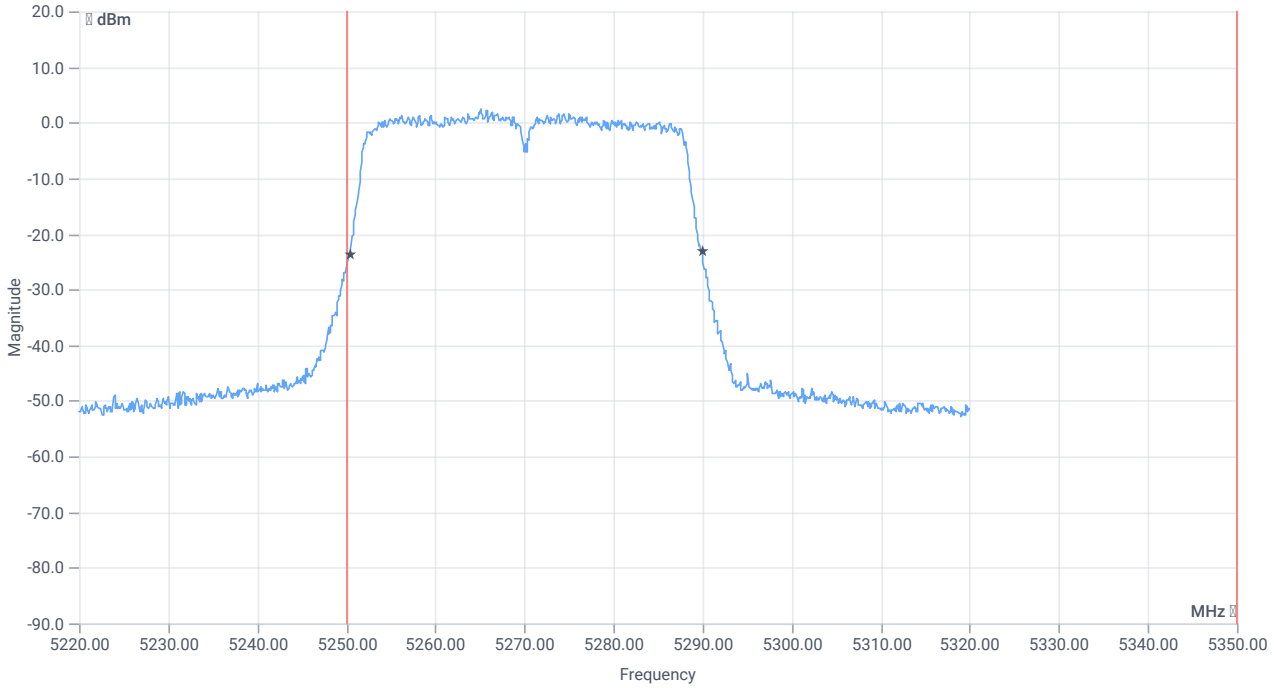
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.864	MHz	INFO
T1 99%	5250.000000	---	5252.1179	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5287.9820	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5250.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.0000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	24.11.2025 16:14:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

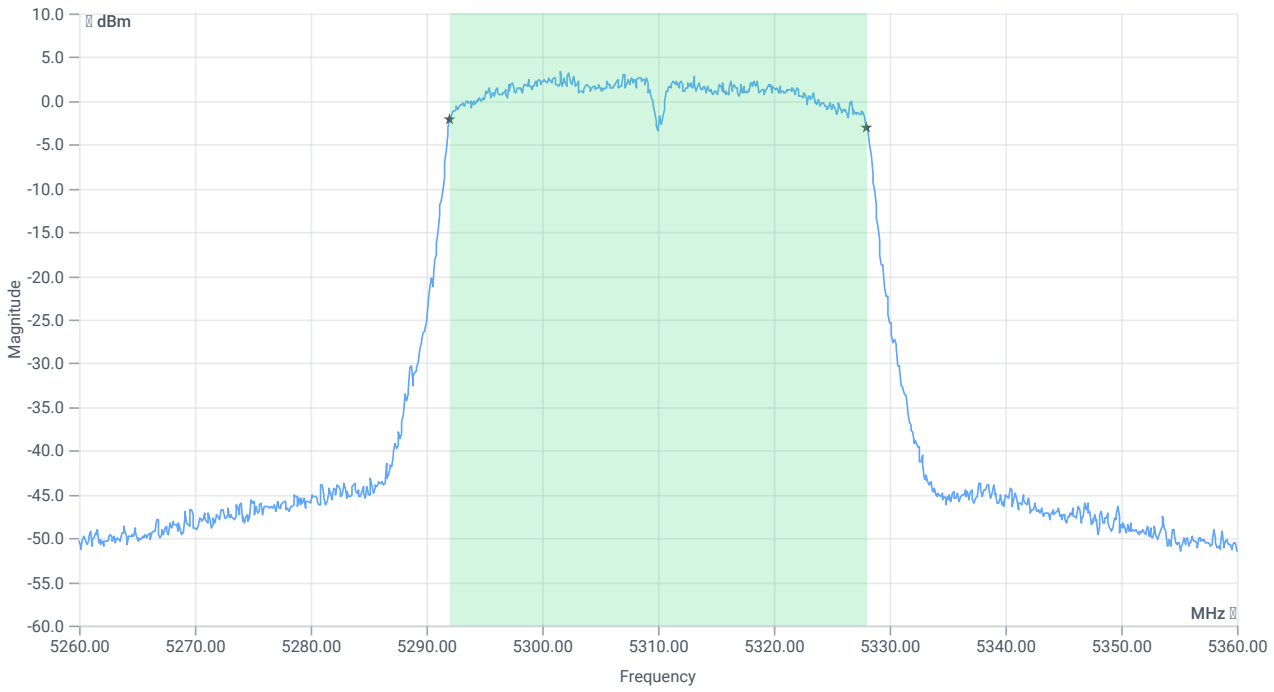
Test at TX 5310 MHz

RESULT: Reference power cond.

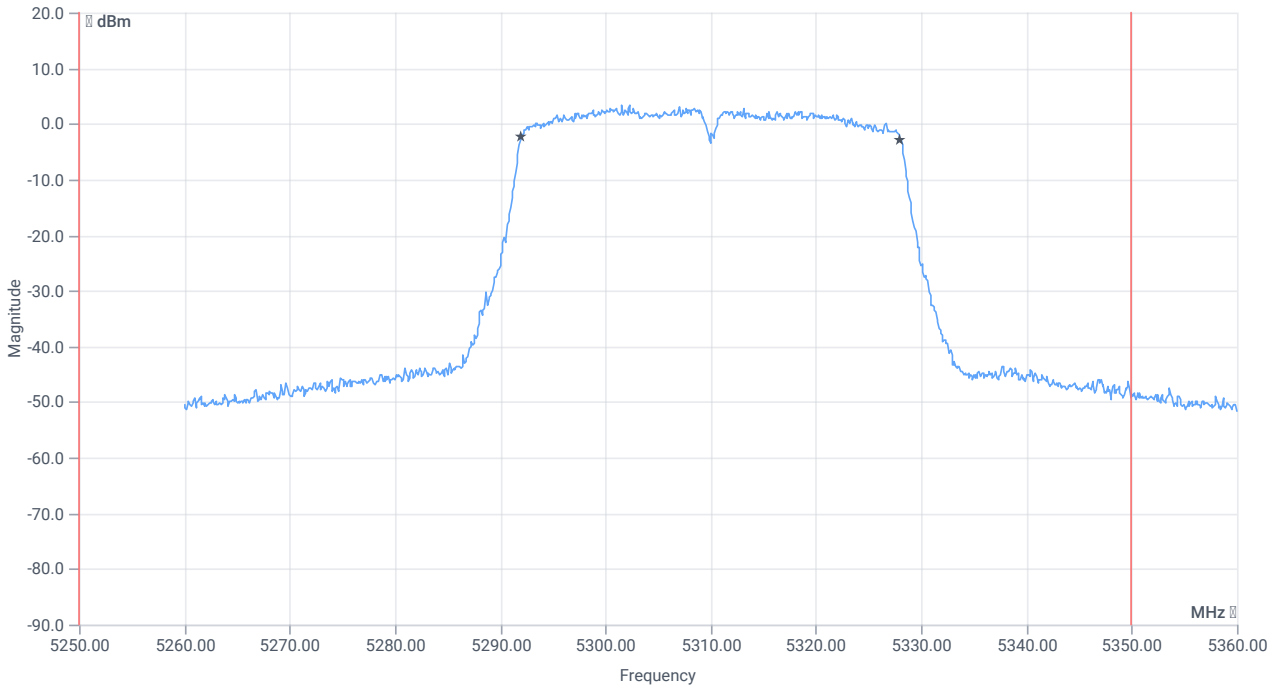
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.59	dBm	INFO
Ref. frequency	---	---	5302.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.59 | 14.31 | 15
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



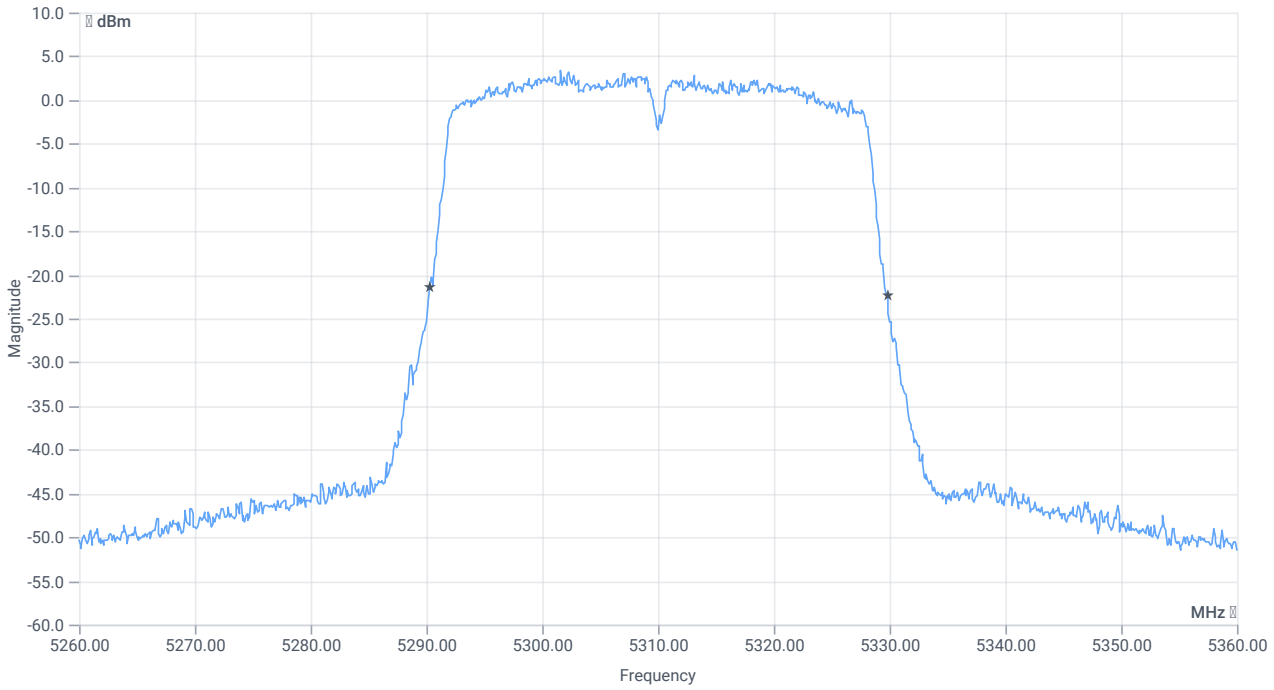
BW 99PCT



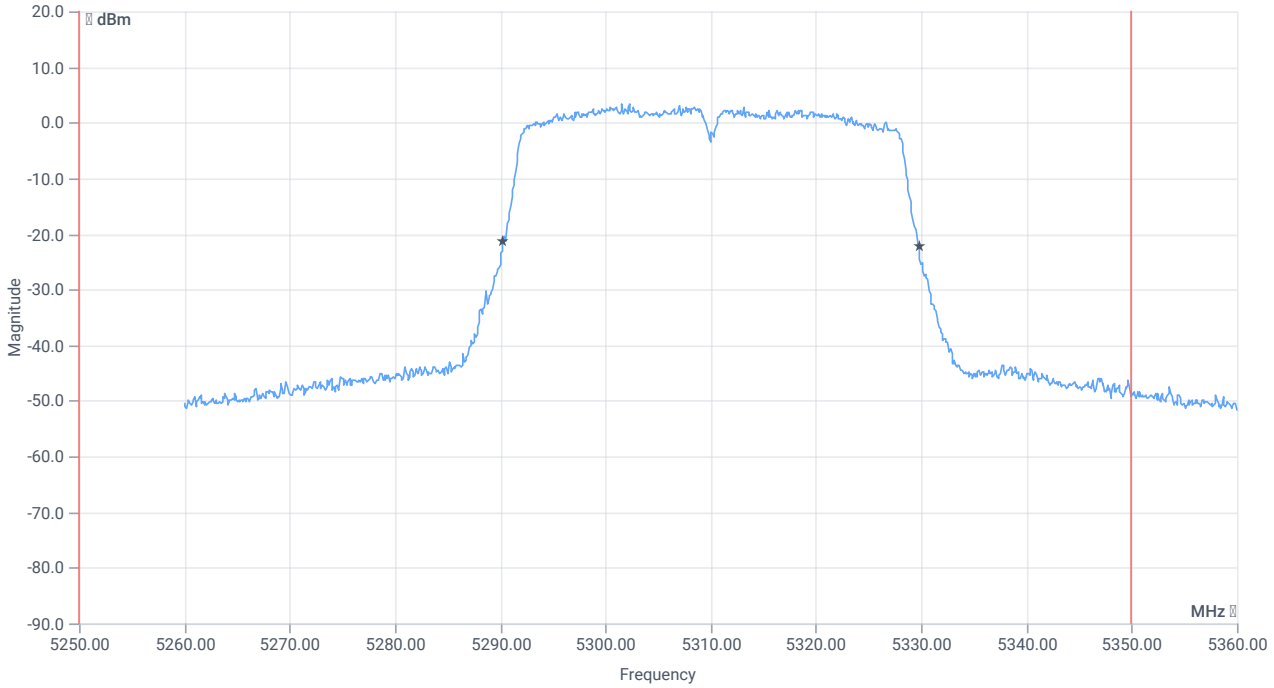
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5250.000000	---	5292.0180	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5327.9820	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5290.3000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5329.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2A

References

TC start	24.11.2025 16:18:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

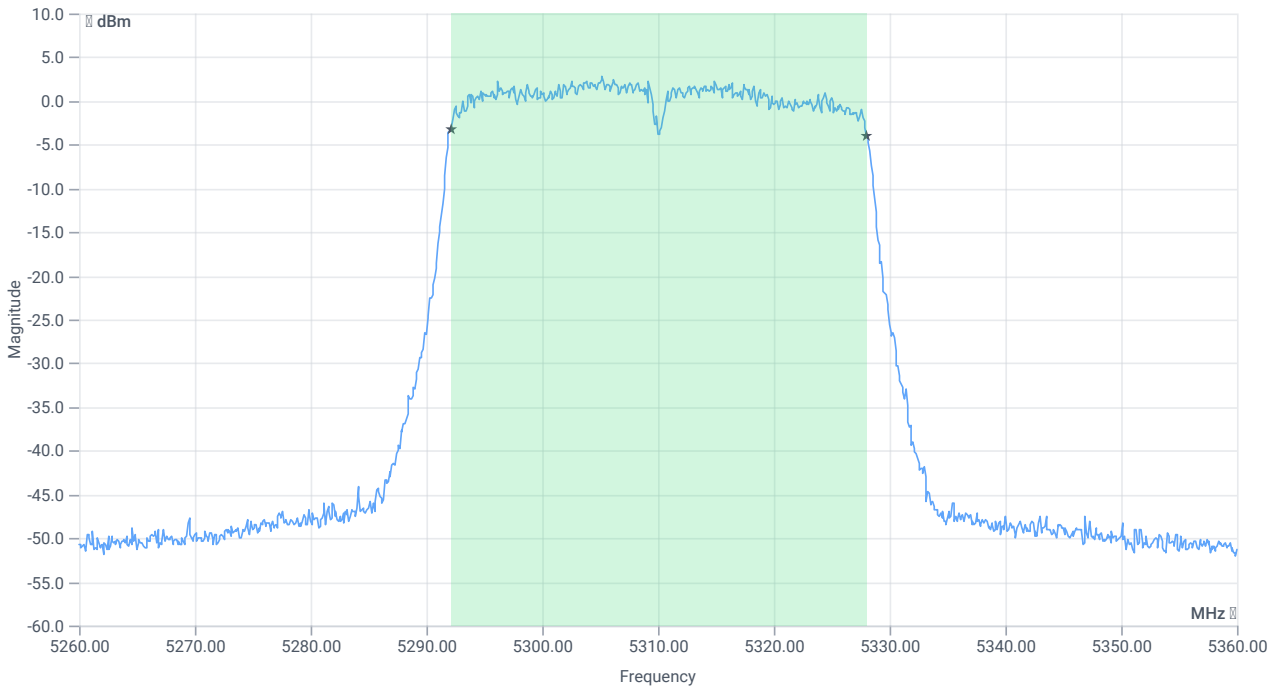
Test at TX 5310 MHz

RESULT: Reference power cond.

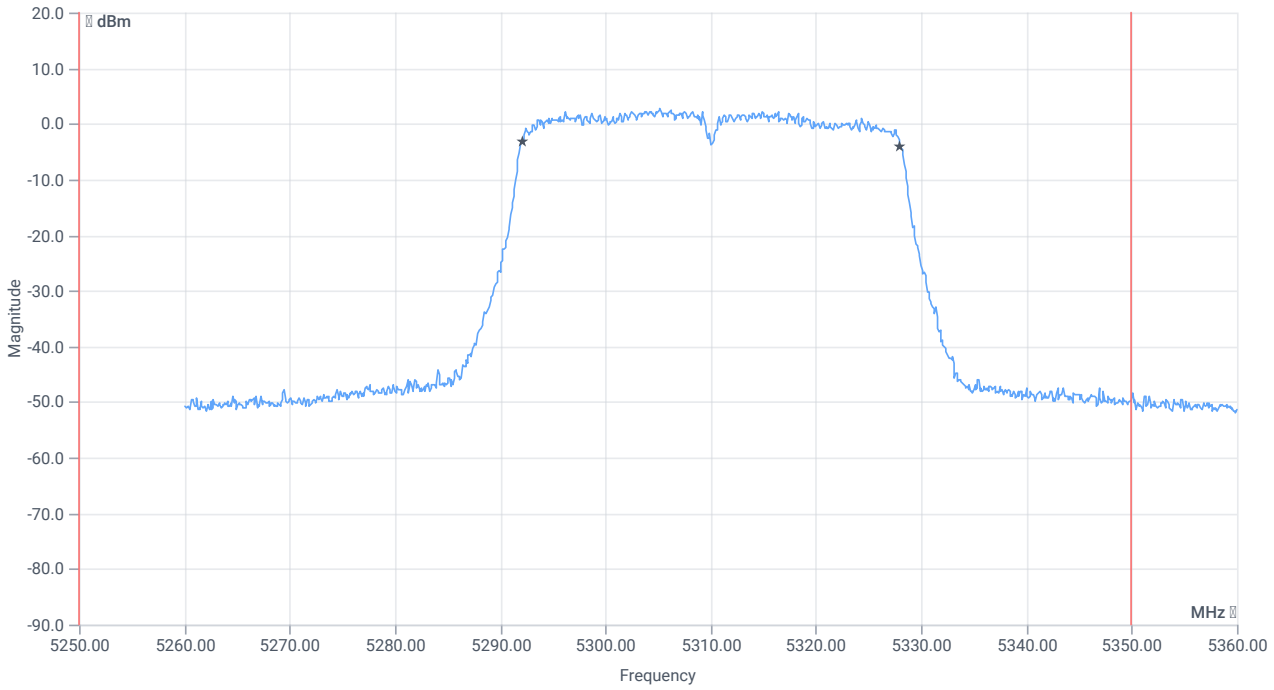
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.25	dBm	INFO
Ref. frequency	---	---	5304.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.25 | 14.26 | 15
Start [MHz] | Stop [MHz]	5260.000 | 5360.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



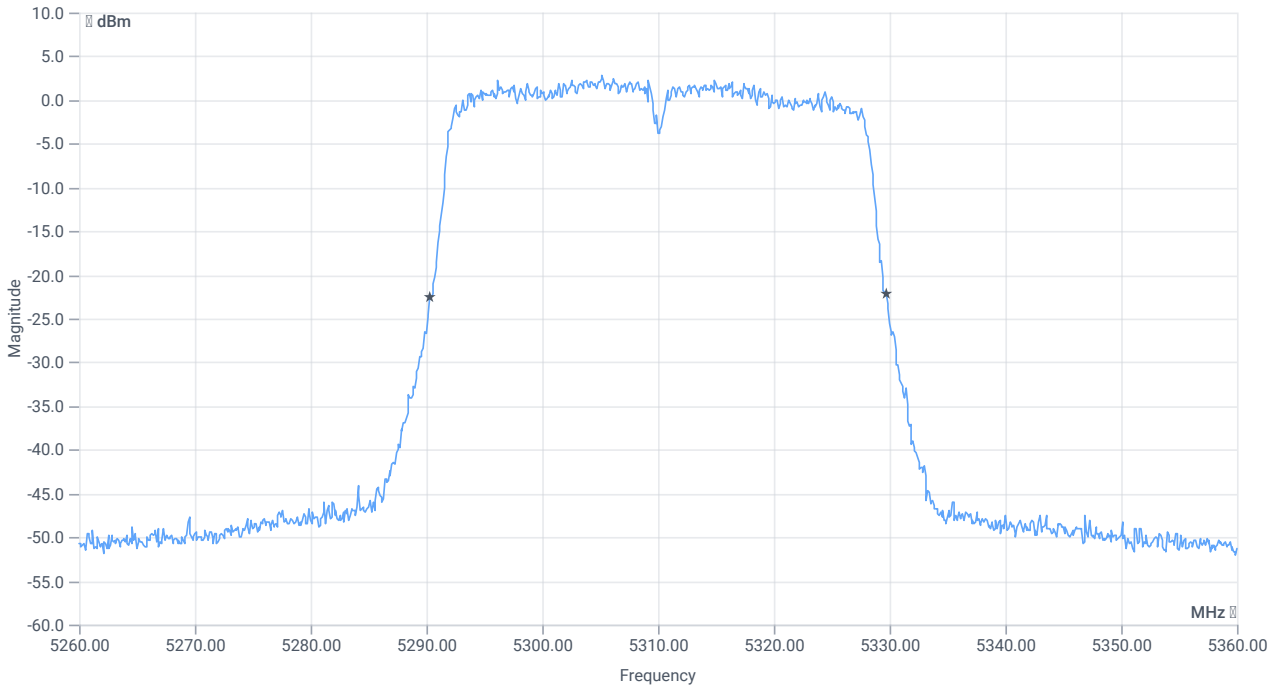
BW 99PCT



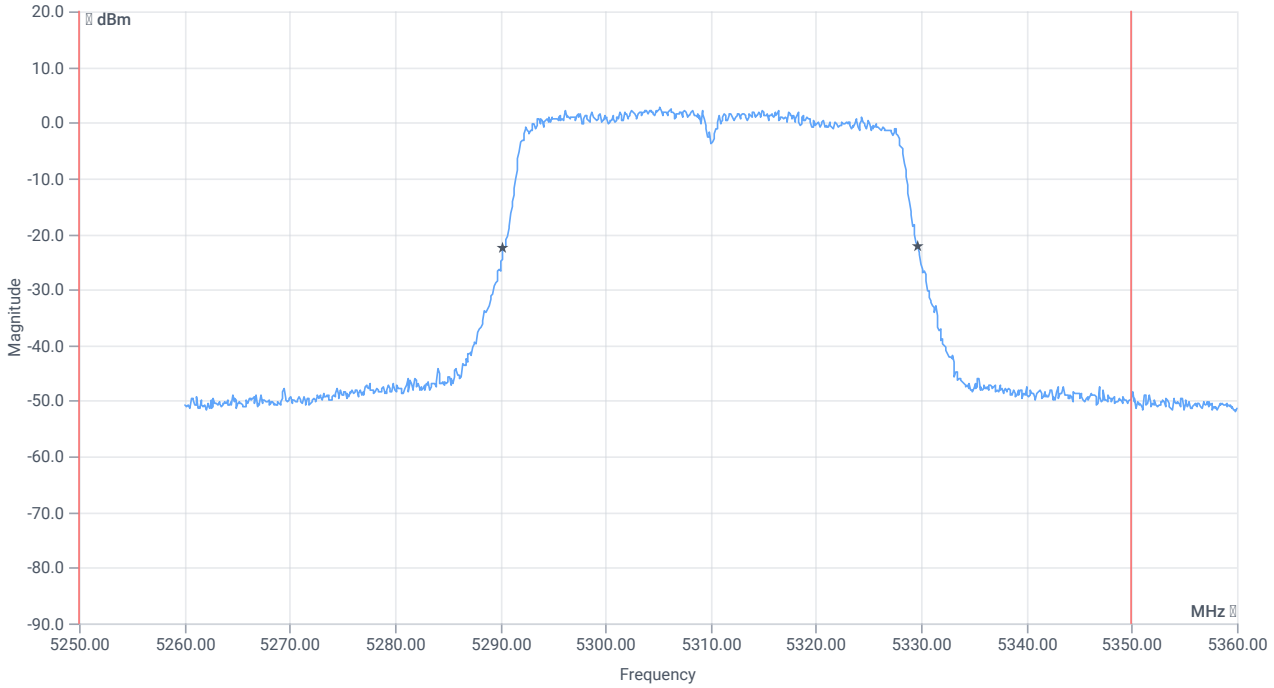
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.864	MHz	INFO
T1 99%	5250.000000	---	5292.1179	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5327.9820	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5290.3000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5329.7000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:17:08
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

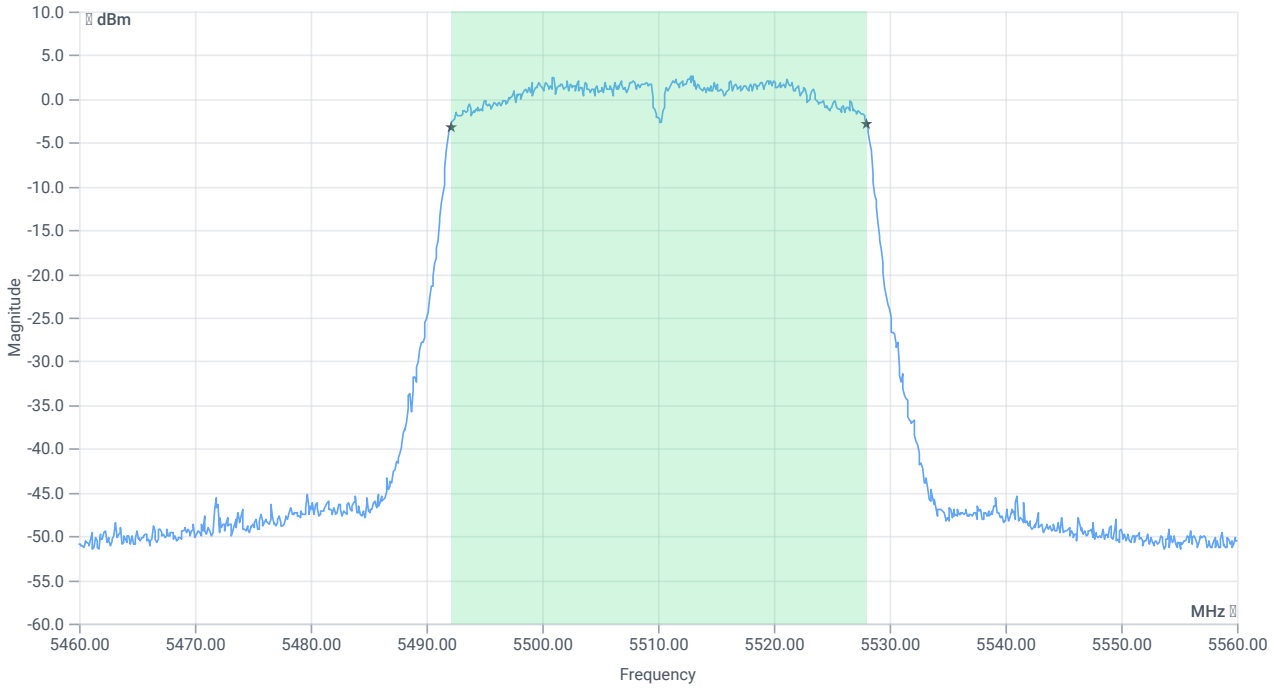
Test at TX 5510 MHz

RESULT: Reference power cond.

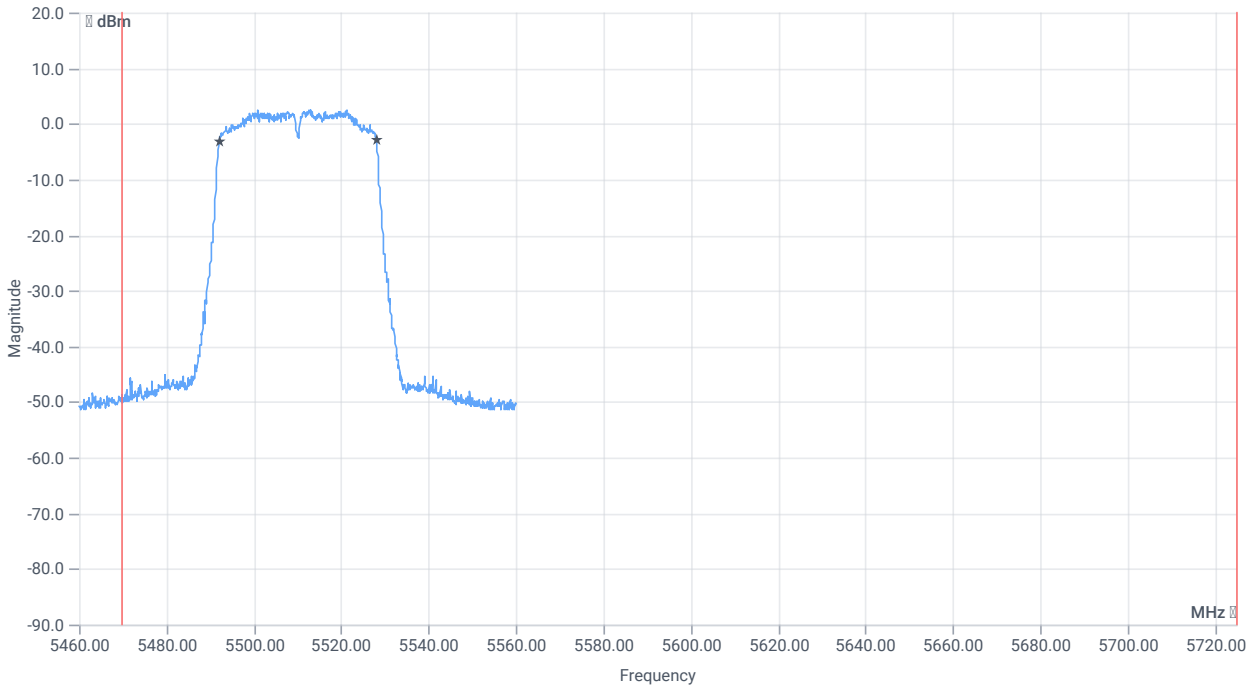
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.00	dBm	INFO
Ref. frequency	---	---	5518.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.00 | 14.34 | 15
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



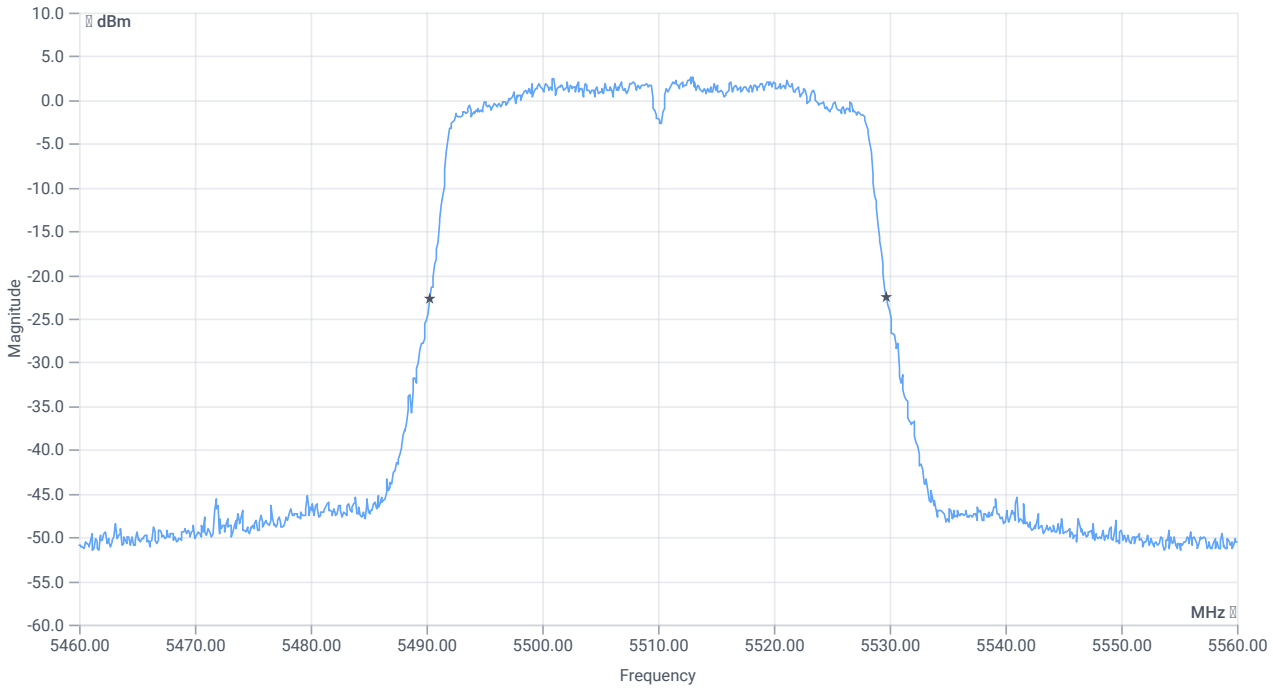
BW 99PCT



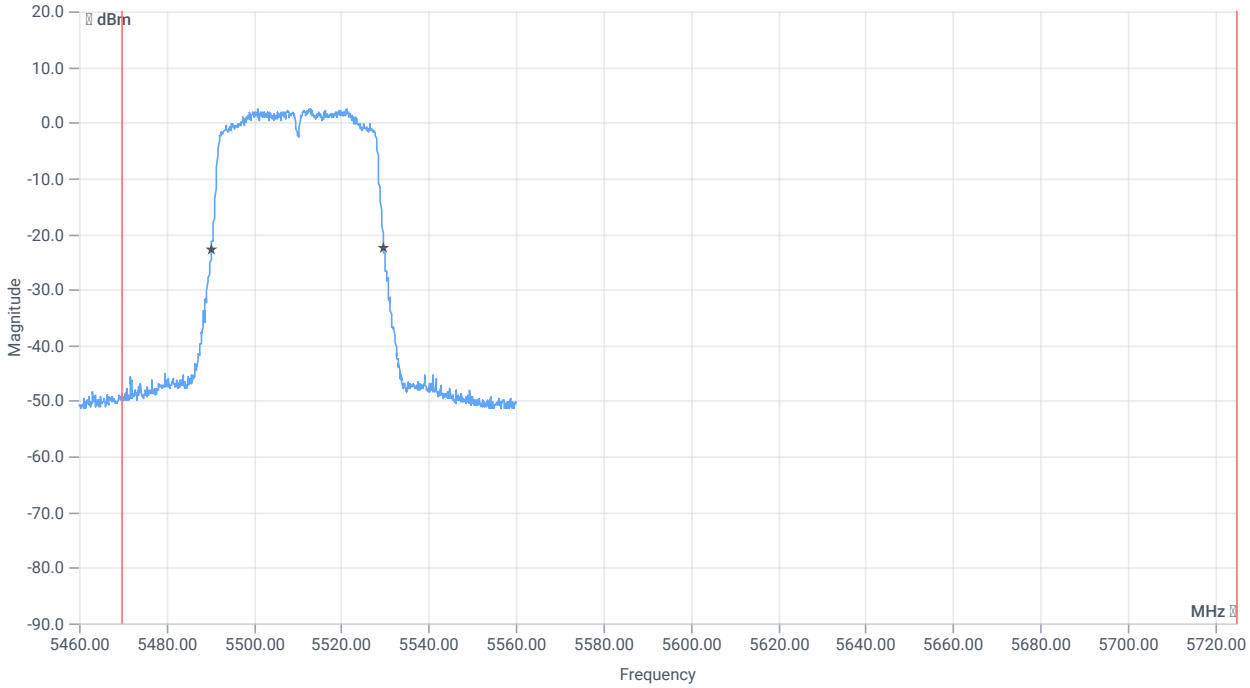
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.864	MHz	INFO
T1 99%	5470.000000	---	5492.1179	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5527.9820	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5490.3000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5529.7000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:21:26
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

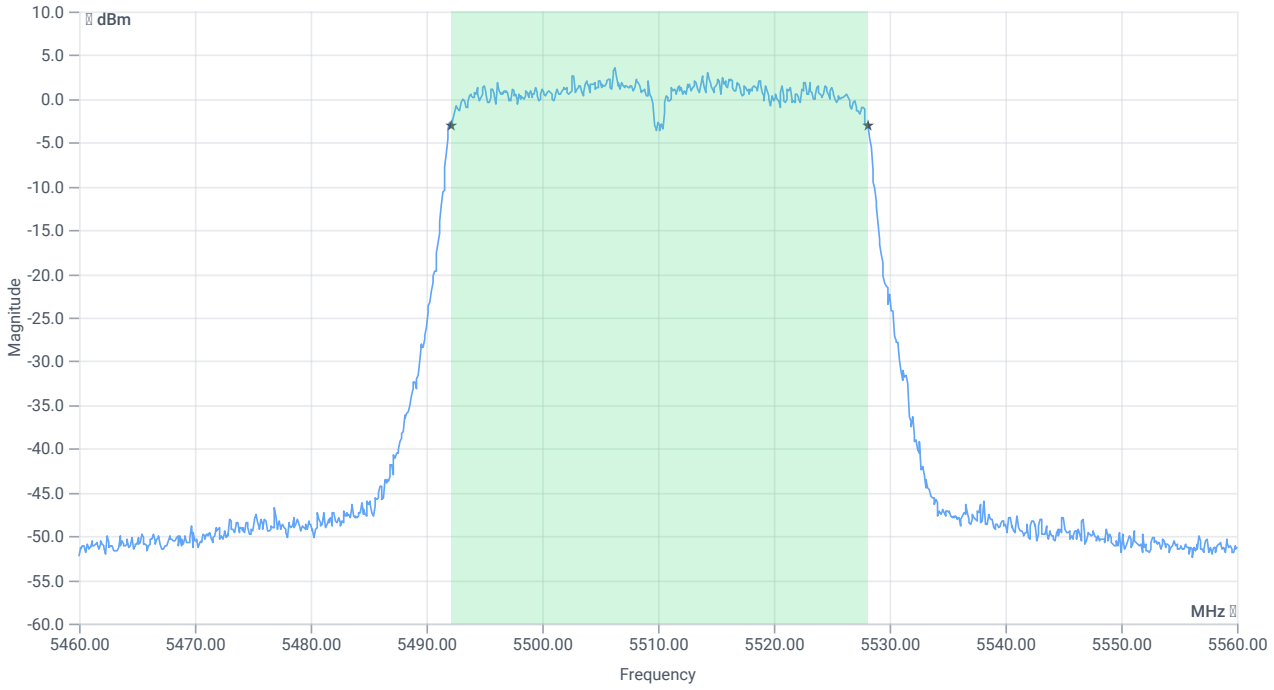
Test at TX 5510 MHz

RESULT: Reference power cond.

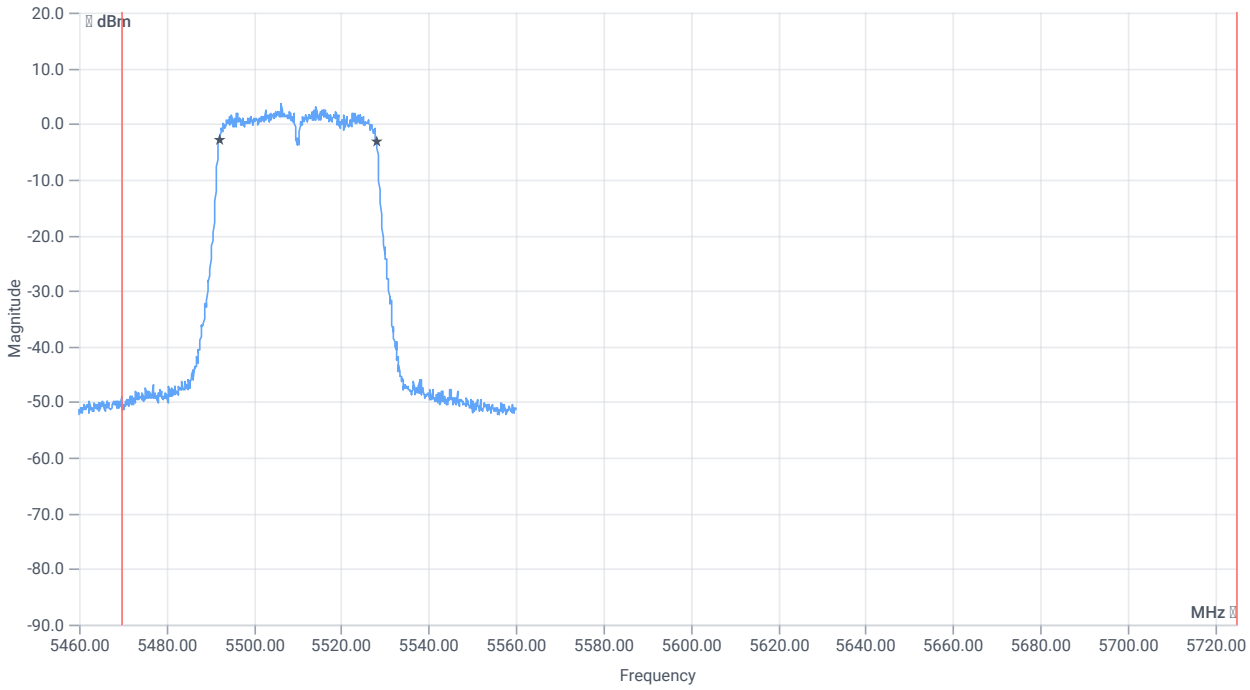
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.23	dBm	INFO
Ref. frequency	---	---	5505.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.23 | 14.08 | 15
Start [MHz] | Stop [MHz]	5460.000 | 5560.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



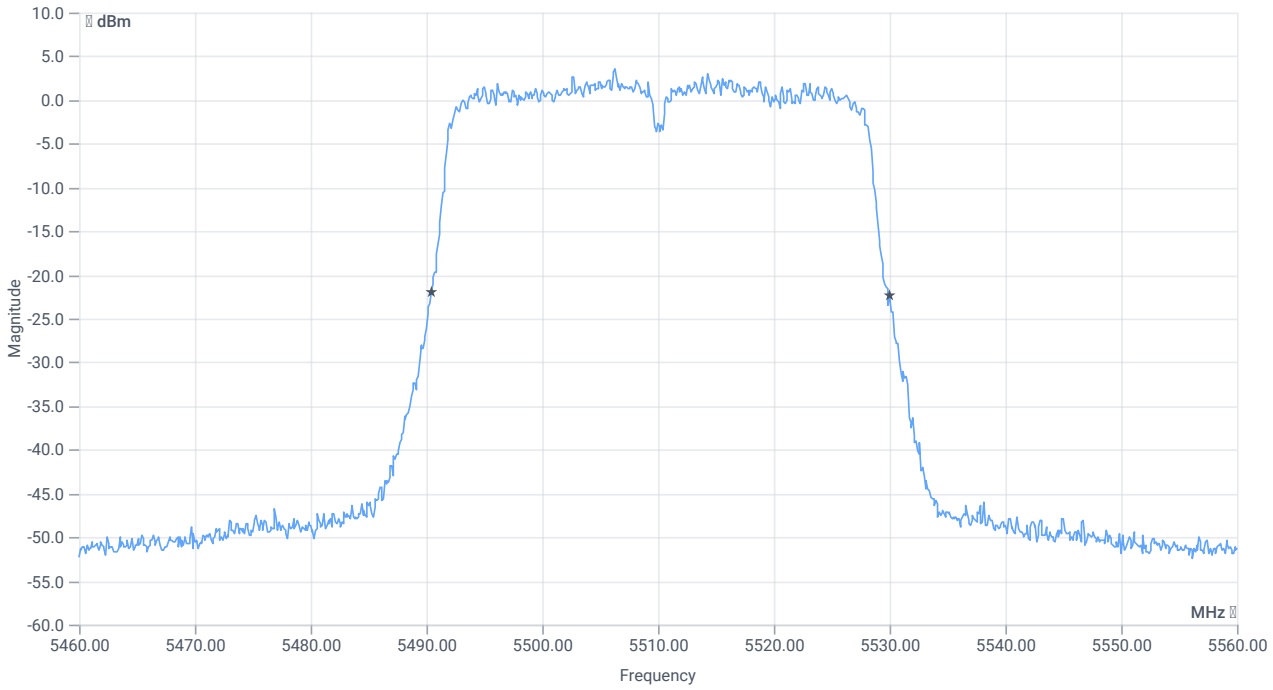
BW 99PCT



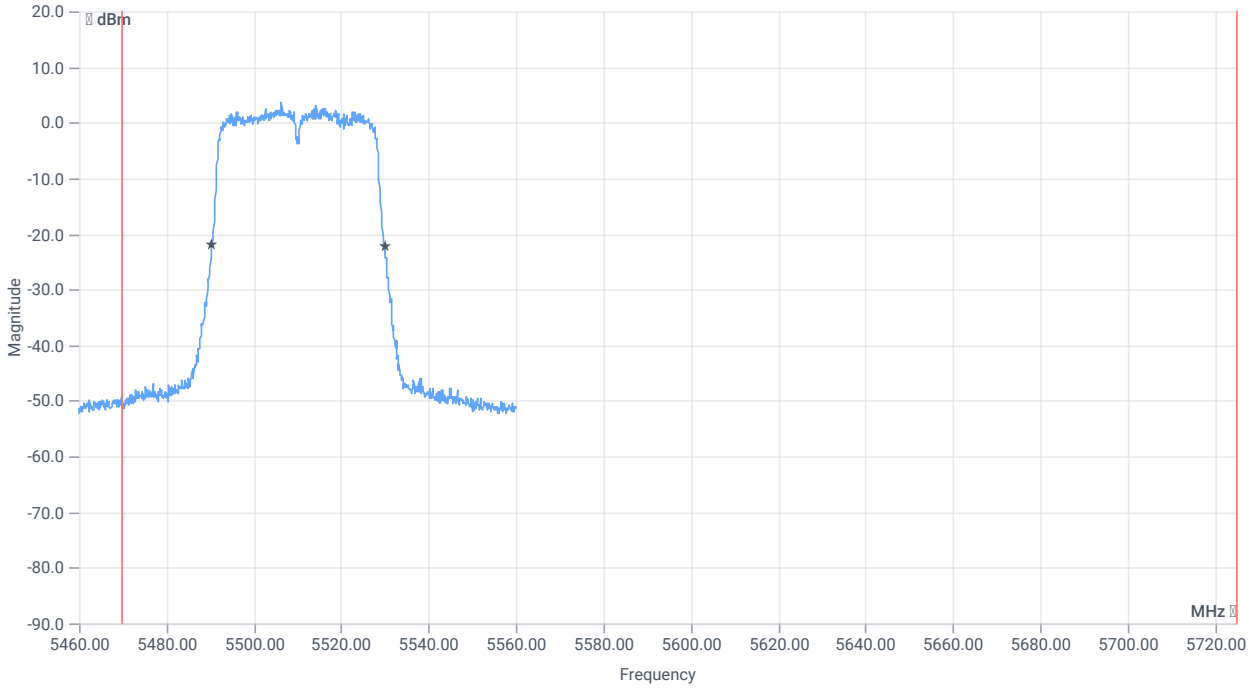
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5470.000000	---	5492.1179	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5528.0819	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5490.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5530.0000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:26:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

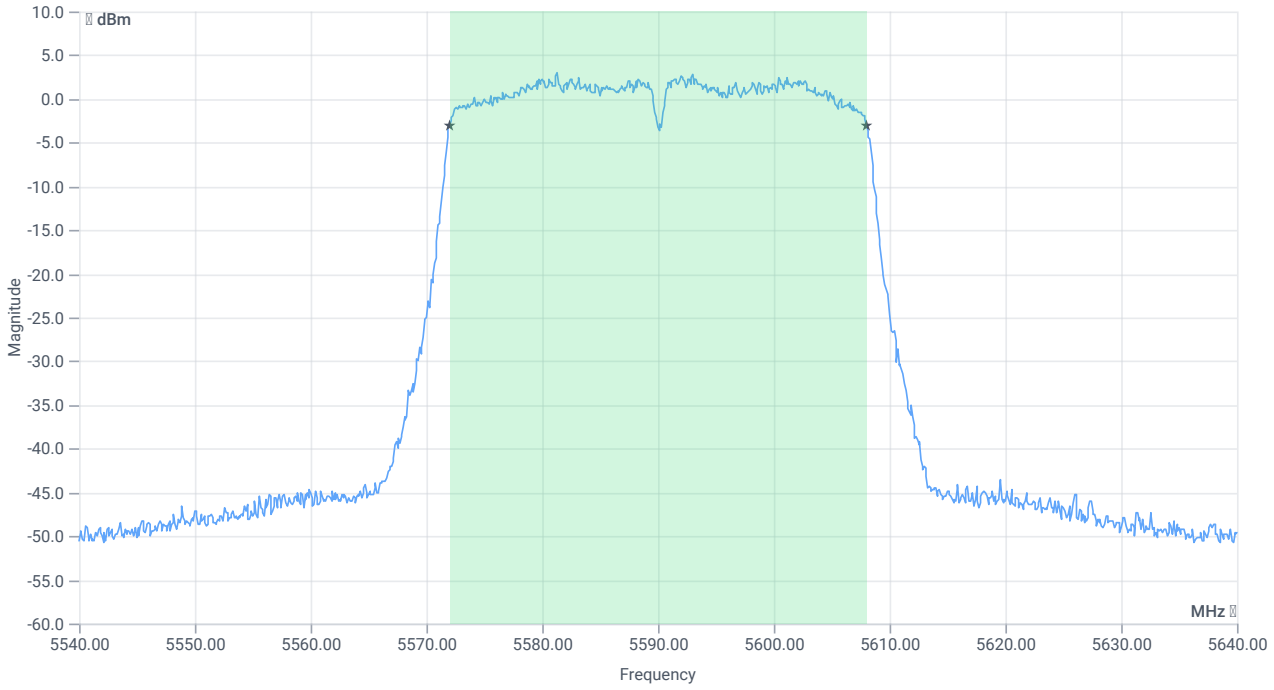
Test at TX 5590 MHz

RESULT: Reference power cond.

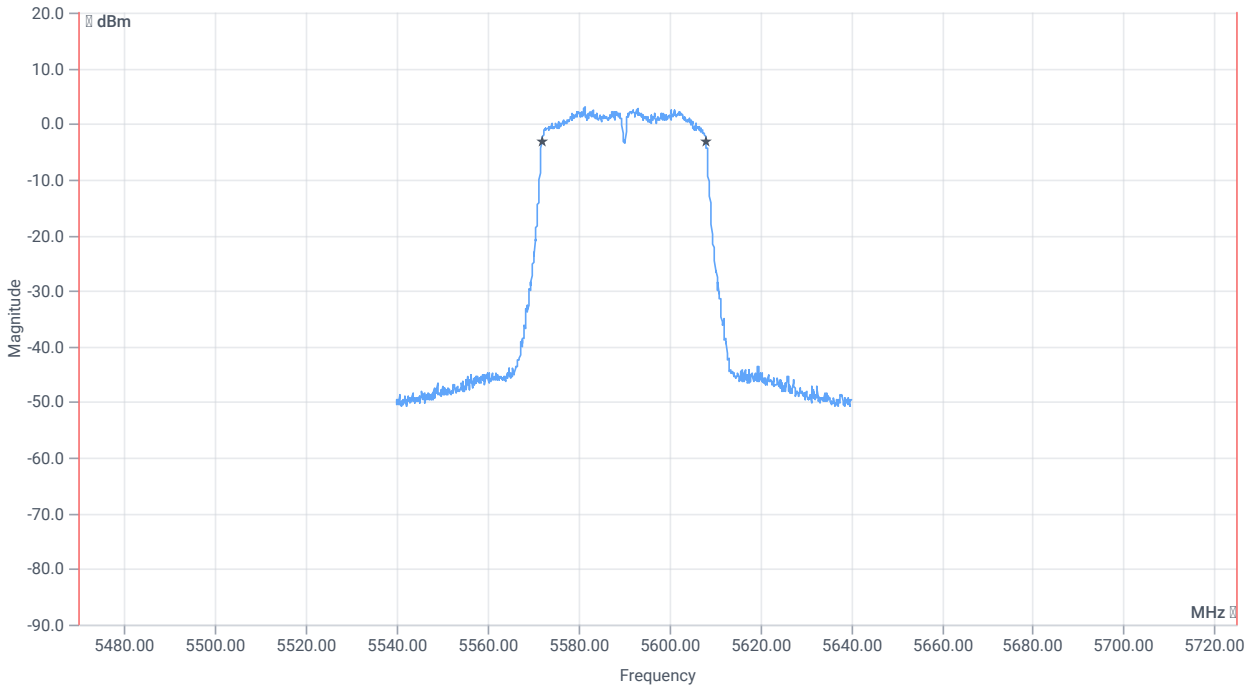
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.75	dBm	INFO
Ref. frequency	---	---	5597.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.75 | 14.96 | 15
Start [MHz] | Stop [MHz]	5540.000 | 5640.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



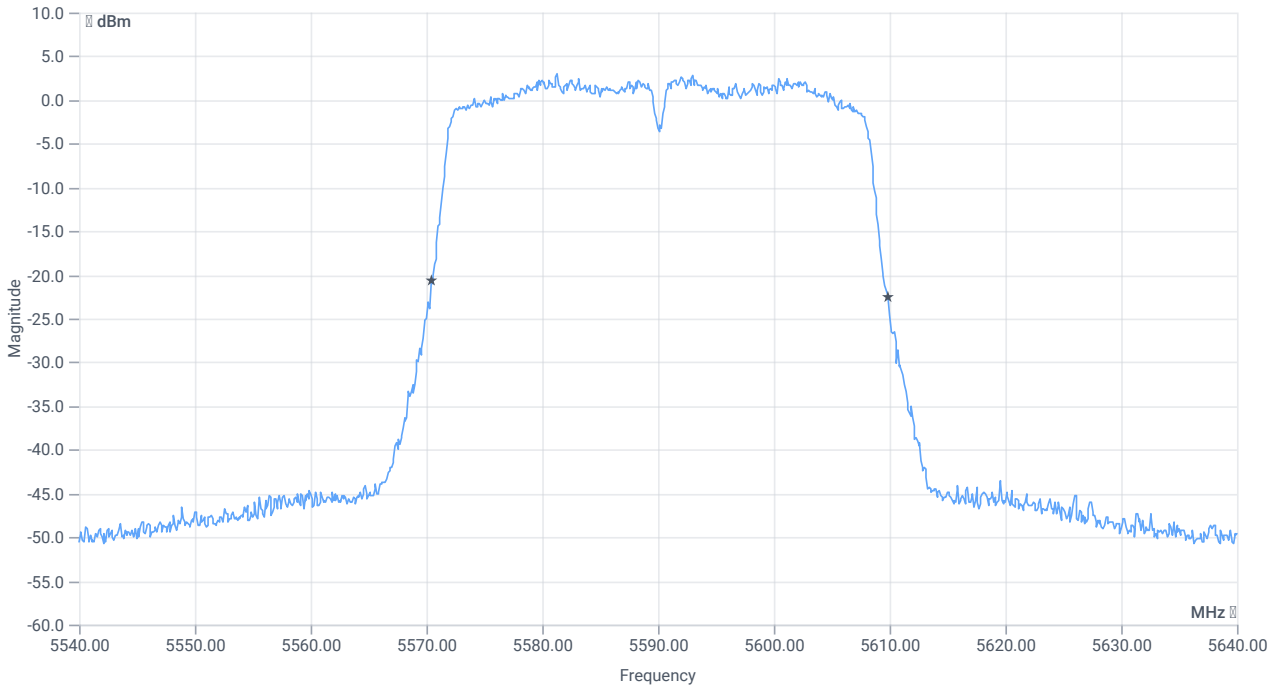
BW 99PCT



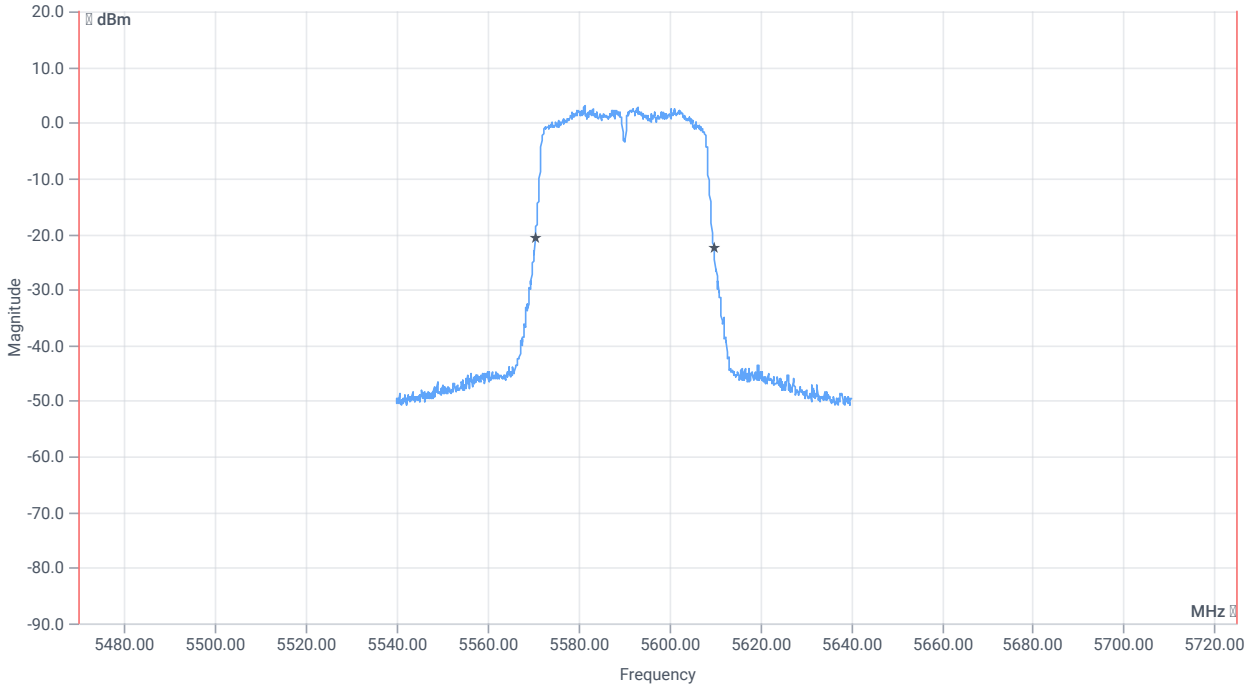
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5470.000000	---	5572.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5607.9820	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5570.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5609.9000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:31:10
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

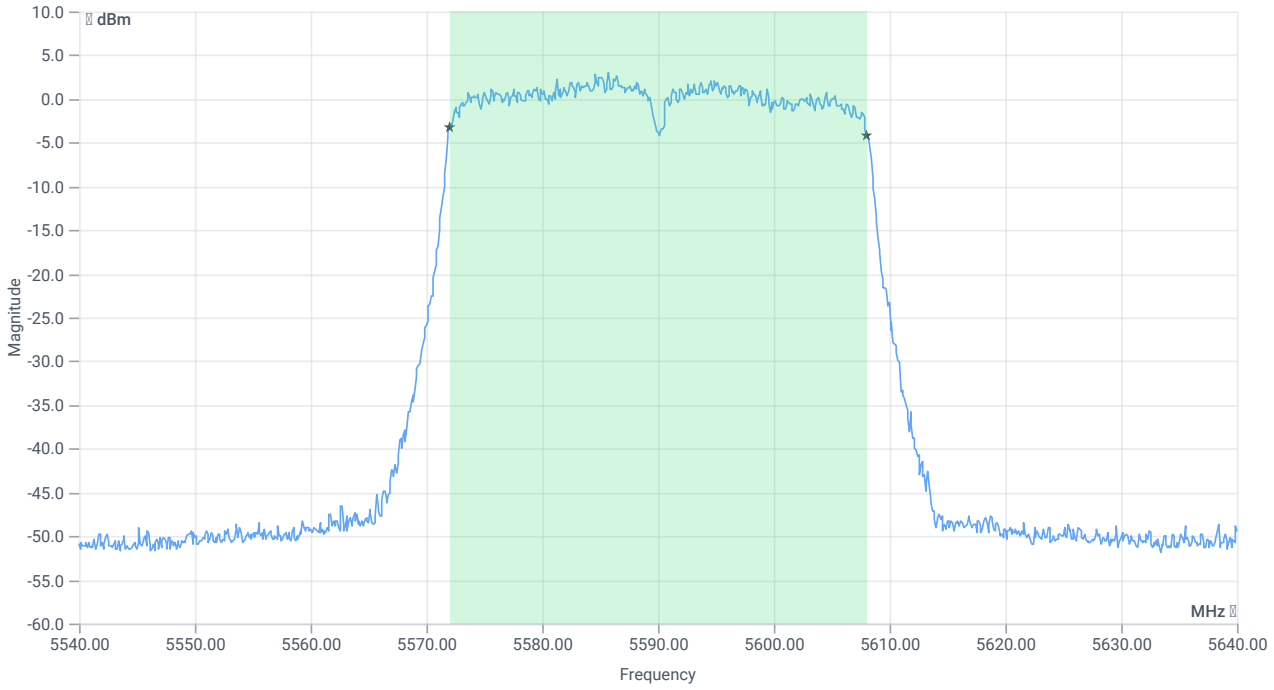
Test at TX 5590 MHz

RESULT: Reference power cond.

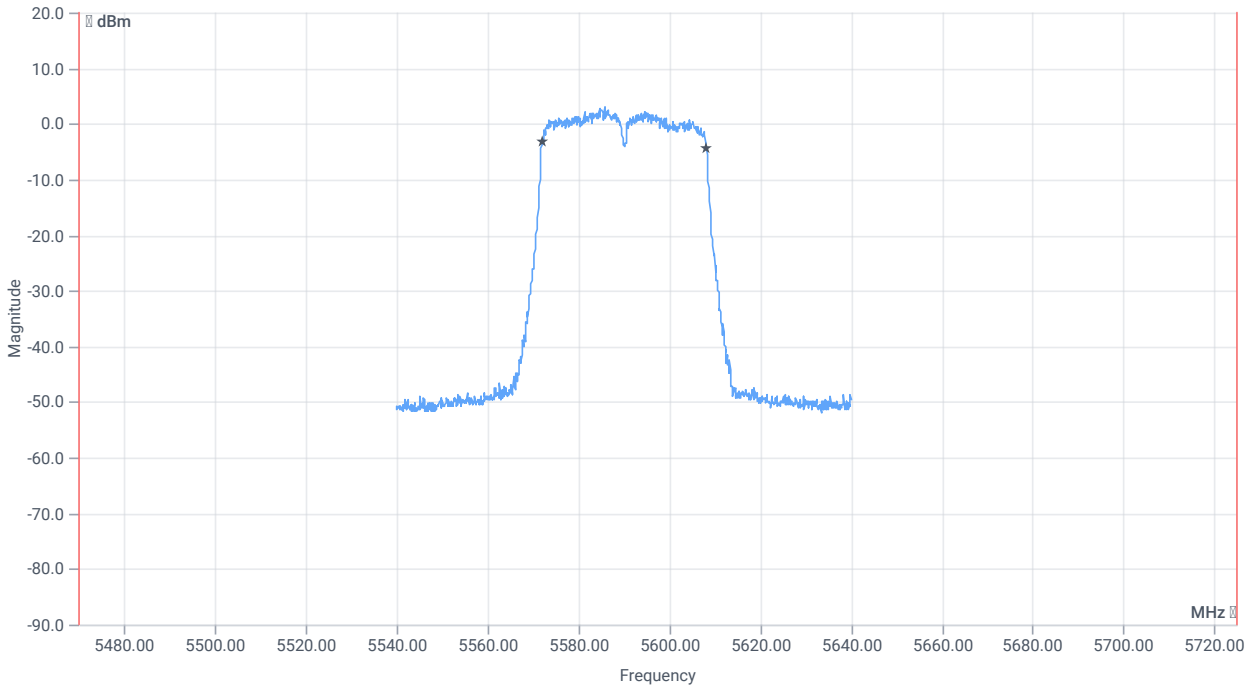
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.86	dBm	INFO
Ref. frequency	---	---	5585.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.86 | 14.16 | 15
Start [MHz] | Stop [MHz]	5540.000 | 5640.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



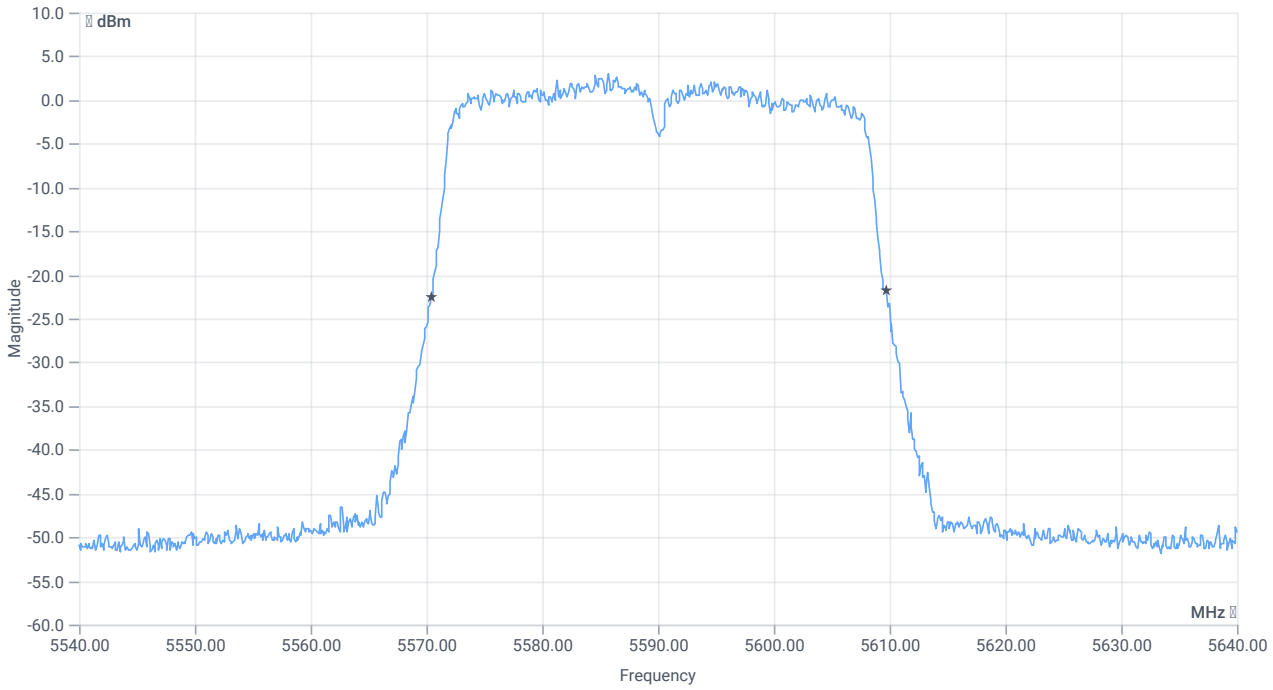
BW 99PCT



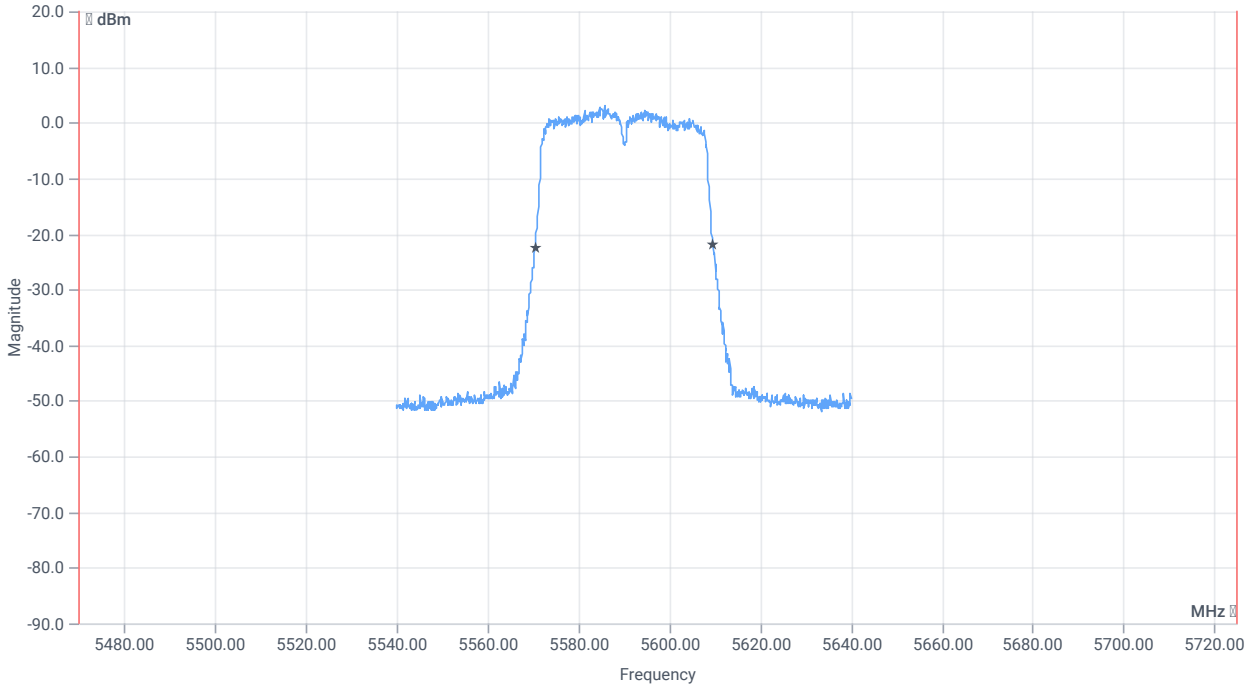
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5470.000000	---	5572.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5607.9820	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5570.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5609.7000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:44:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

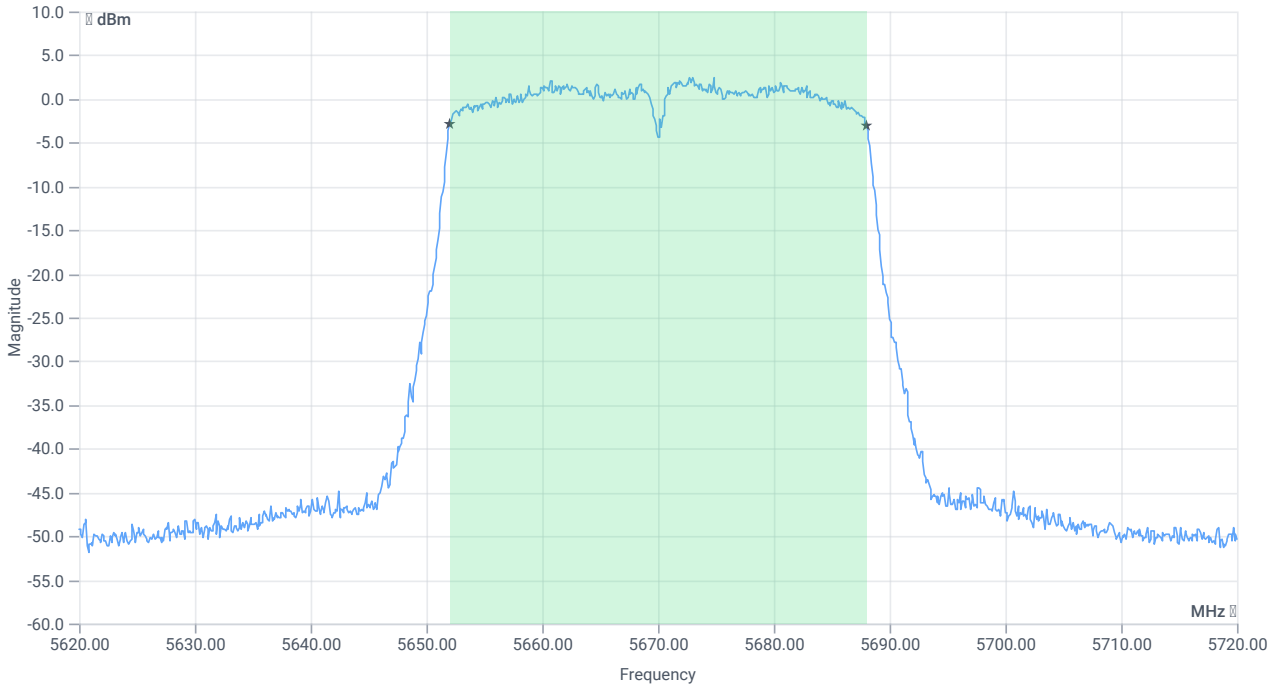
Test at TX 5670 MHz

RESULT: Reference power cond.

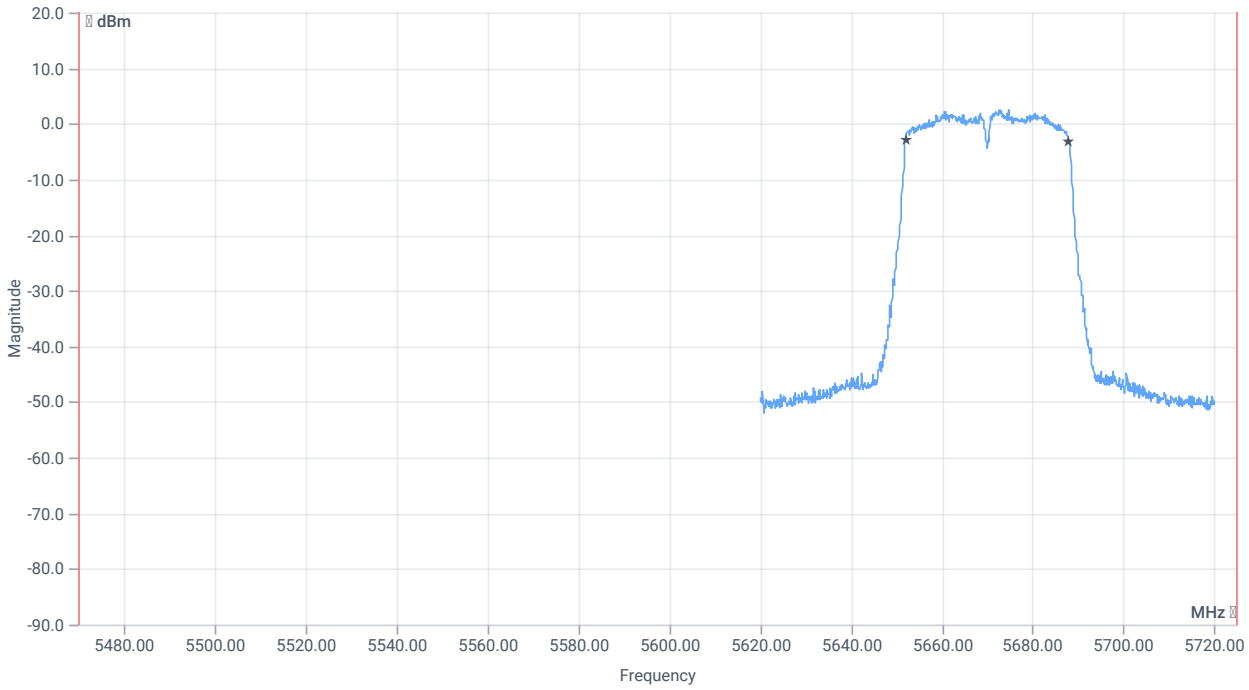
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.11	dBm	INFO
Ref. frequency	---	---	5673.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.11 | 14.22 | 15
Start [MHz] | Stop [MHz]	5620.000 | 5720.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



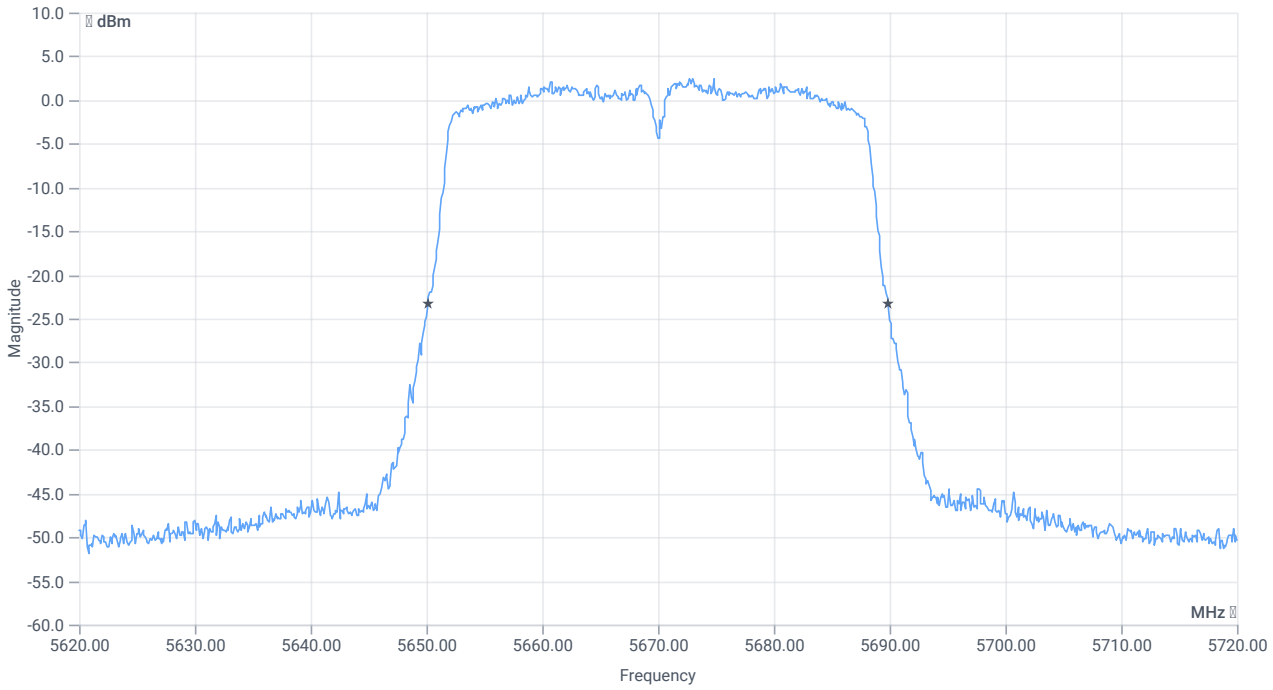
BW 99PCT



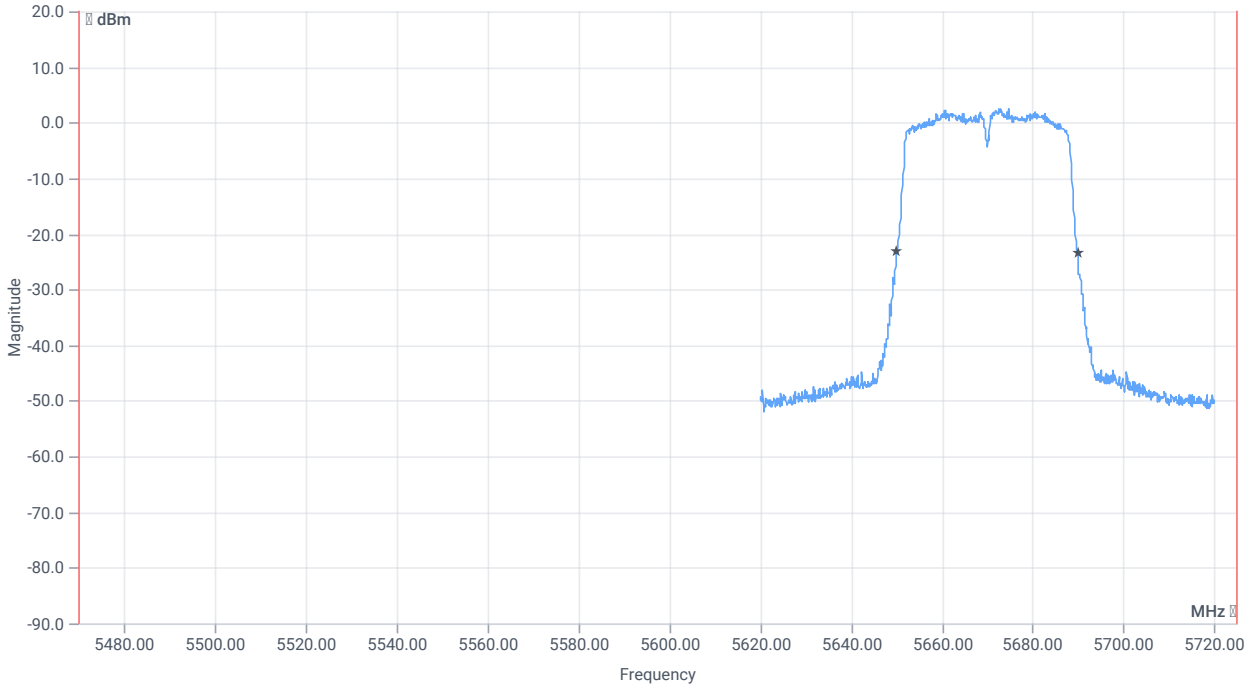
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5470.000000	---	5652.0180	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5687.9820	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5650.1000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5689.9000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-2C

References

TC start	25.11.2025 08:48:32
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

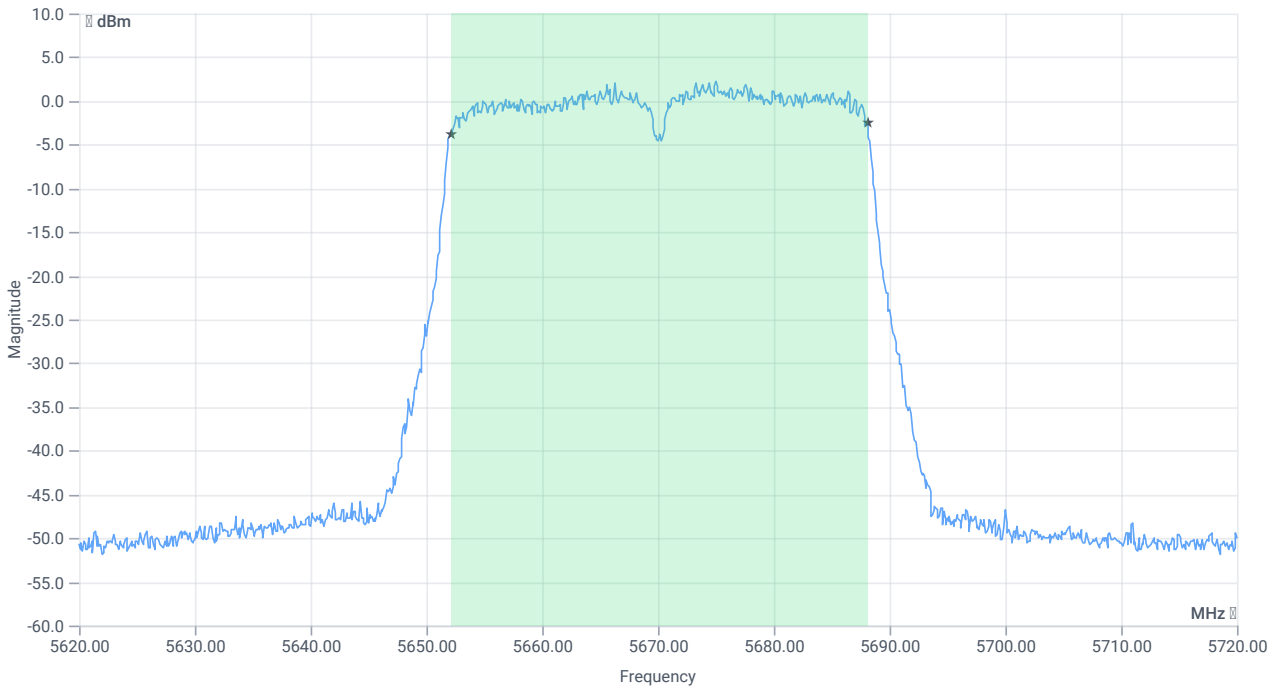
Test at TX 5670 MHz

RESULT: Reference power cond.

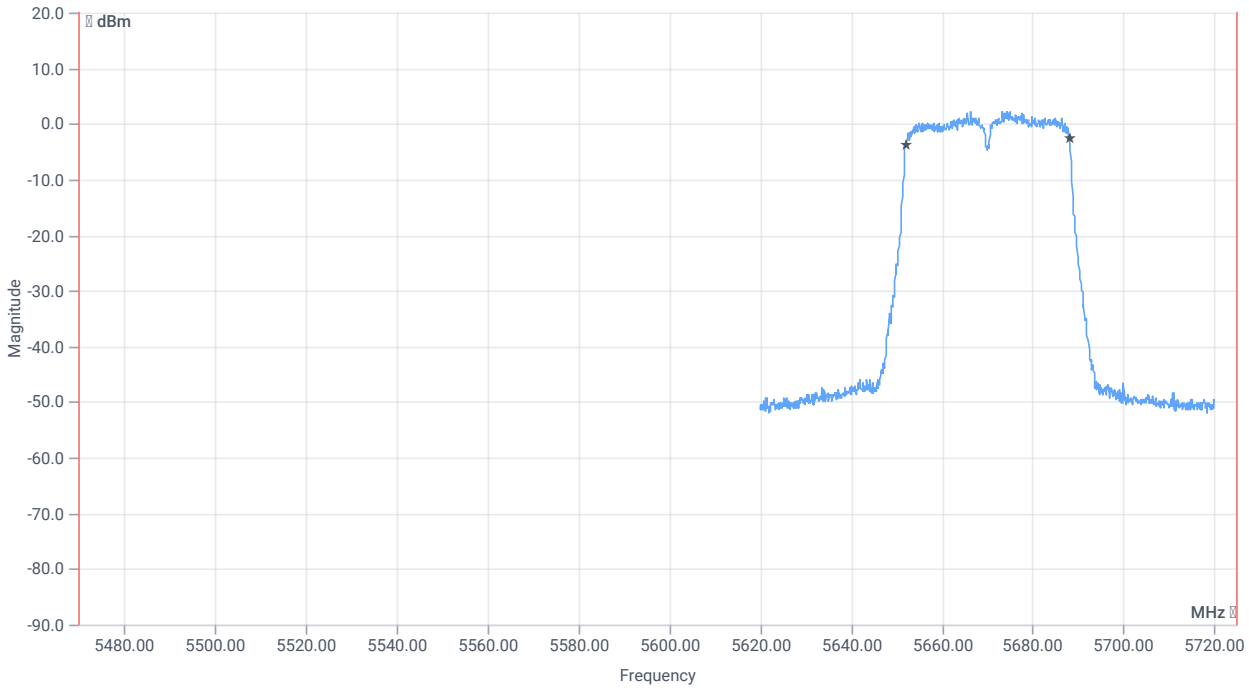
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.35	dBm	INFO
Ref. frequency	---	---	5675.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.35 | 13.99 | 15
Start [MHz] | Stop [MHz]	5620.000 | 5720.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



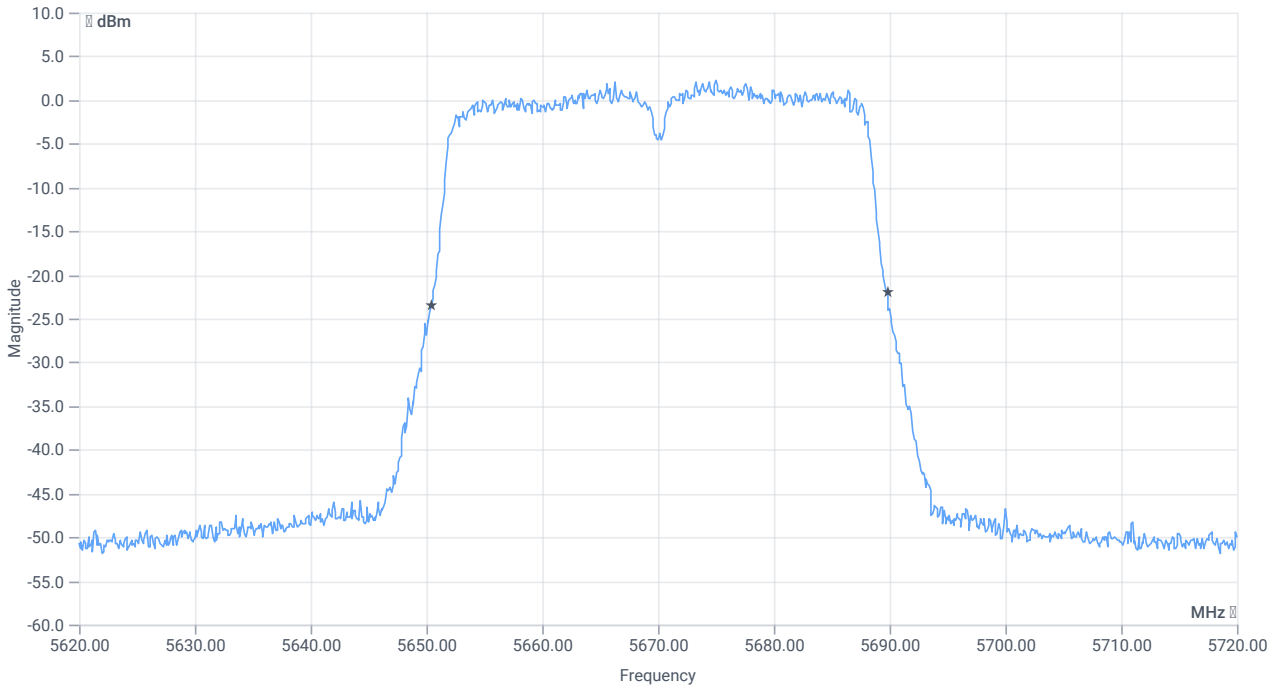
BW 99PCT



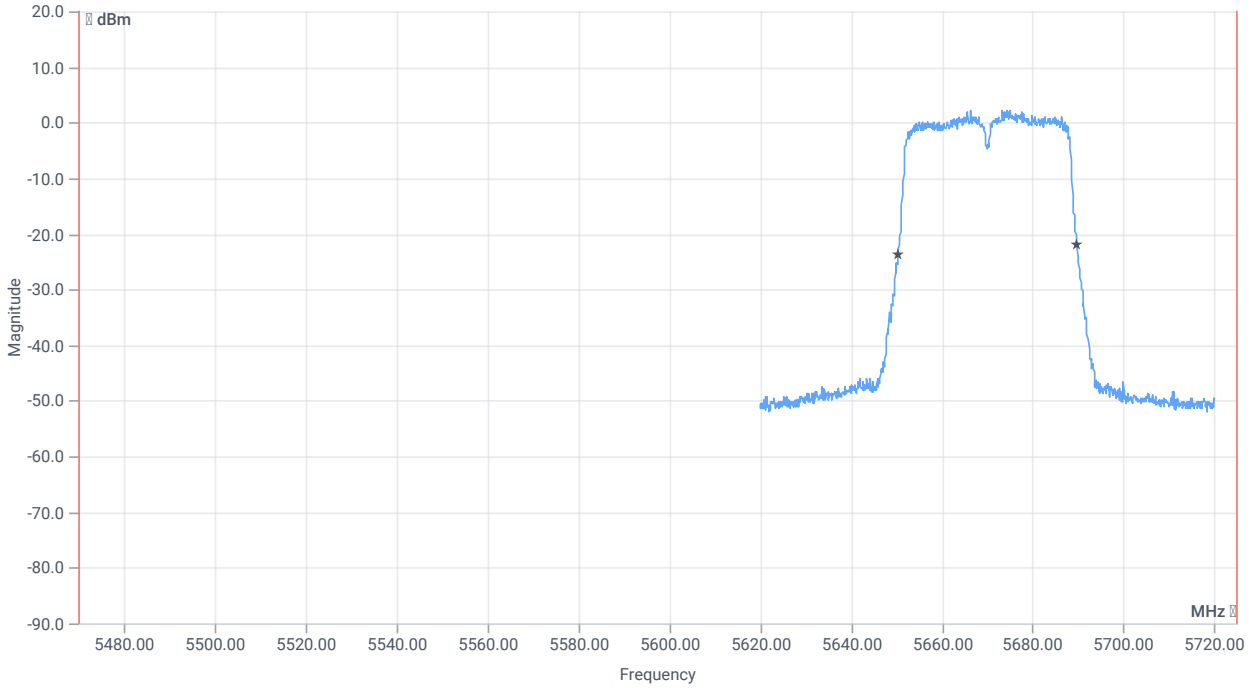
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5470.000000	---	5652.1179	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5688.0819	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5650.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5689.8000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	21.11.2025 14:19:23
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

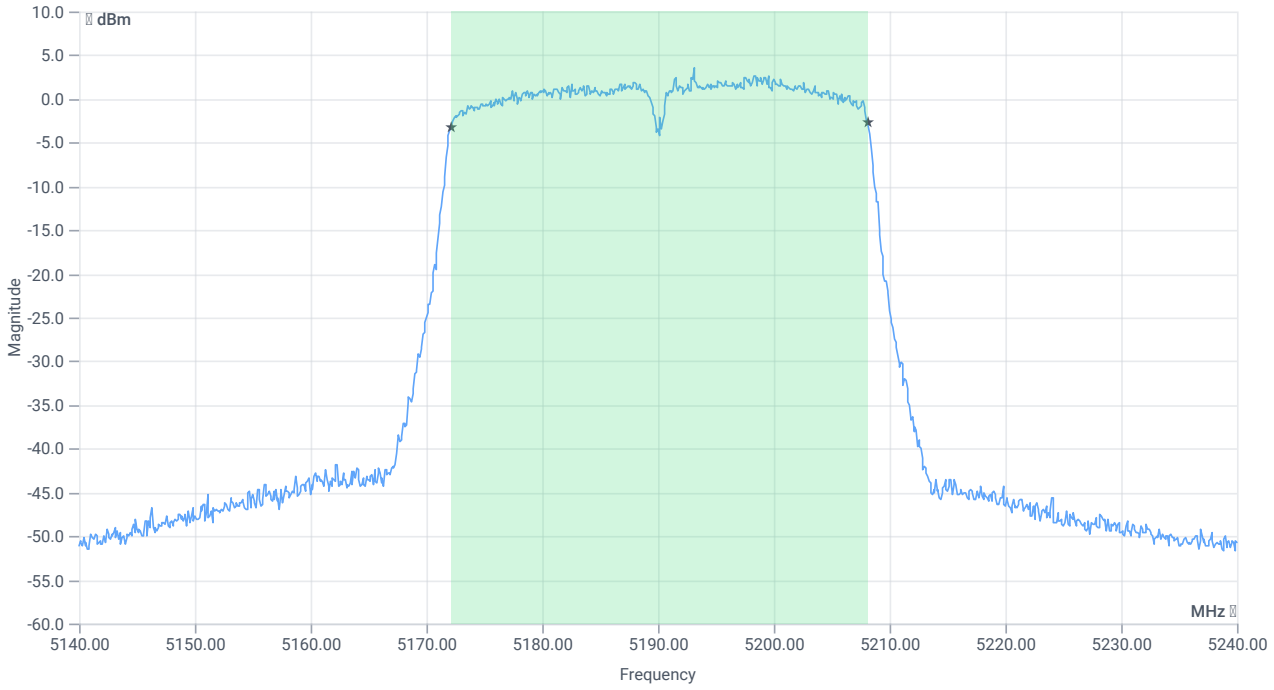
Test at TX 5190 MHz

RESULT: Reference power cond.

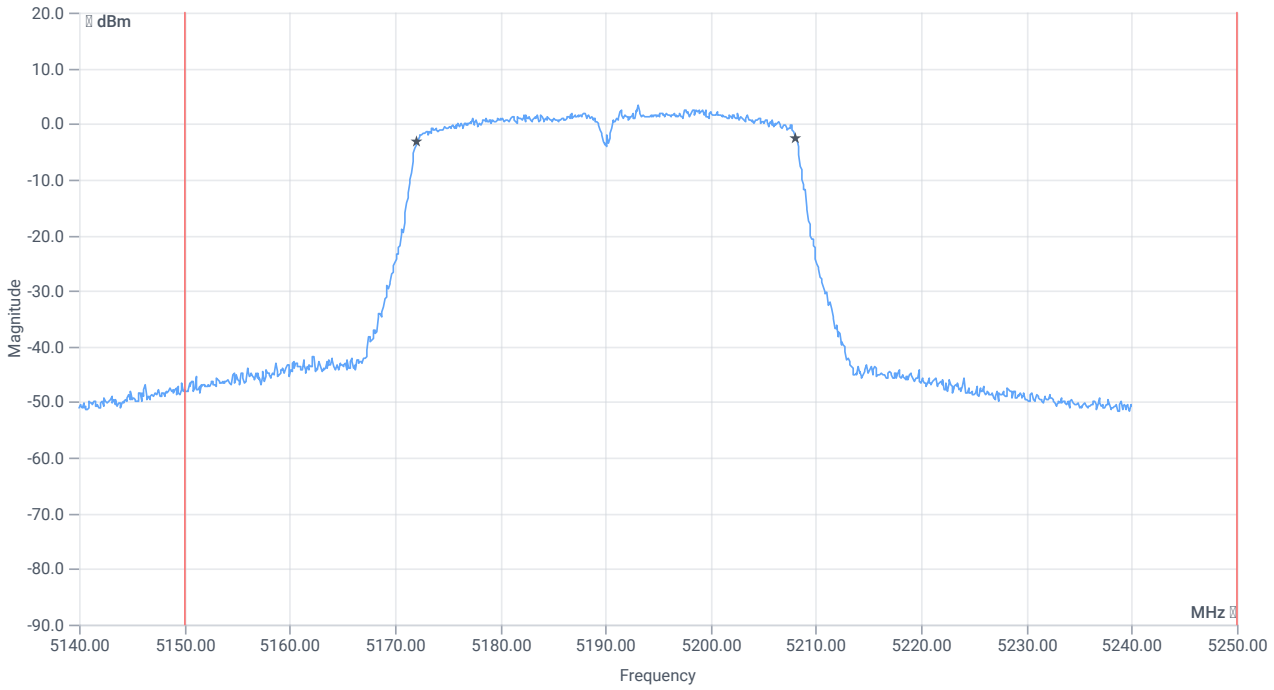
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.27	dBm	INFO
Ref. frequency	---	---	5198.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.27 | 14.16 | 15
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



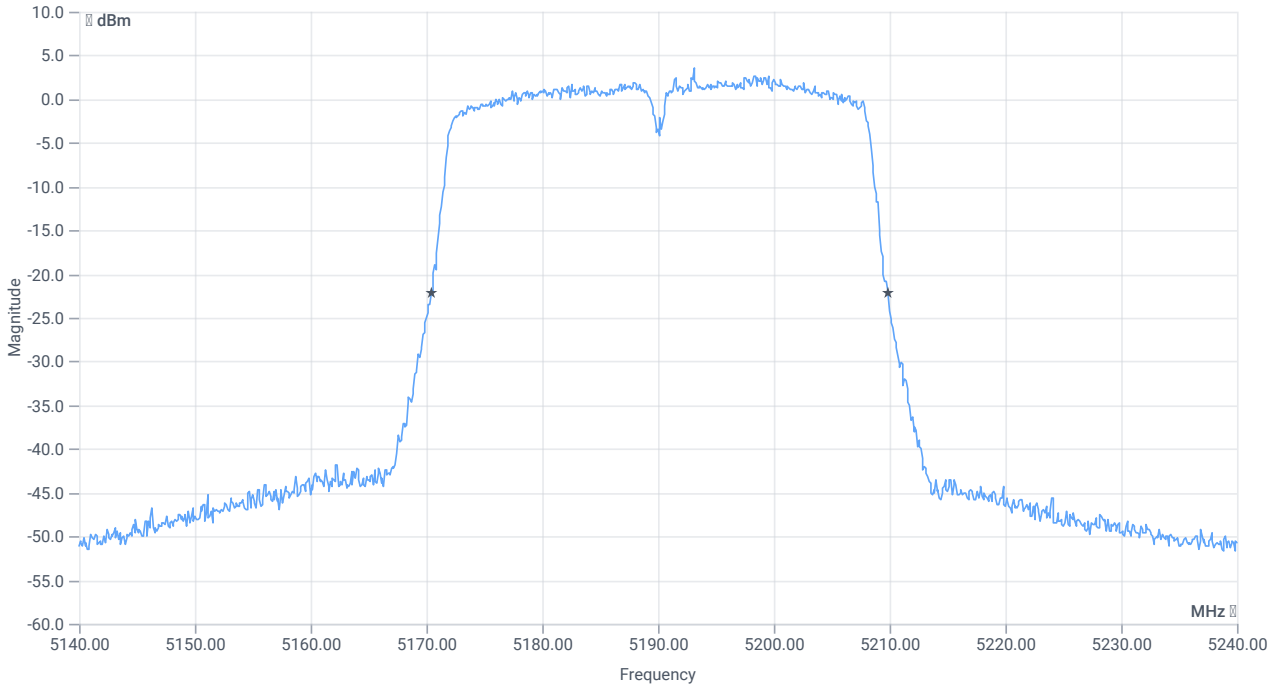
BW 99PCT



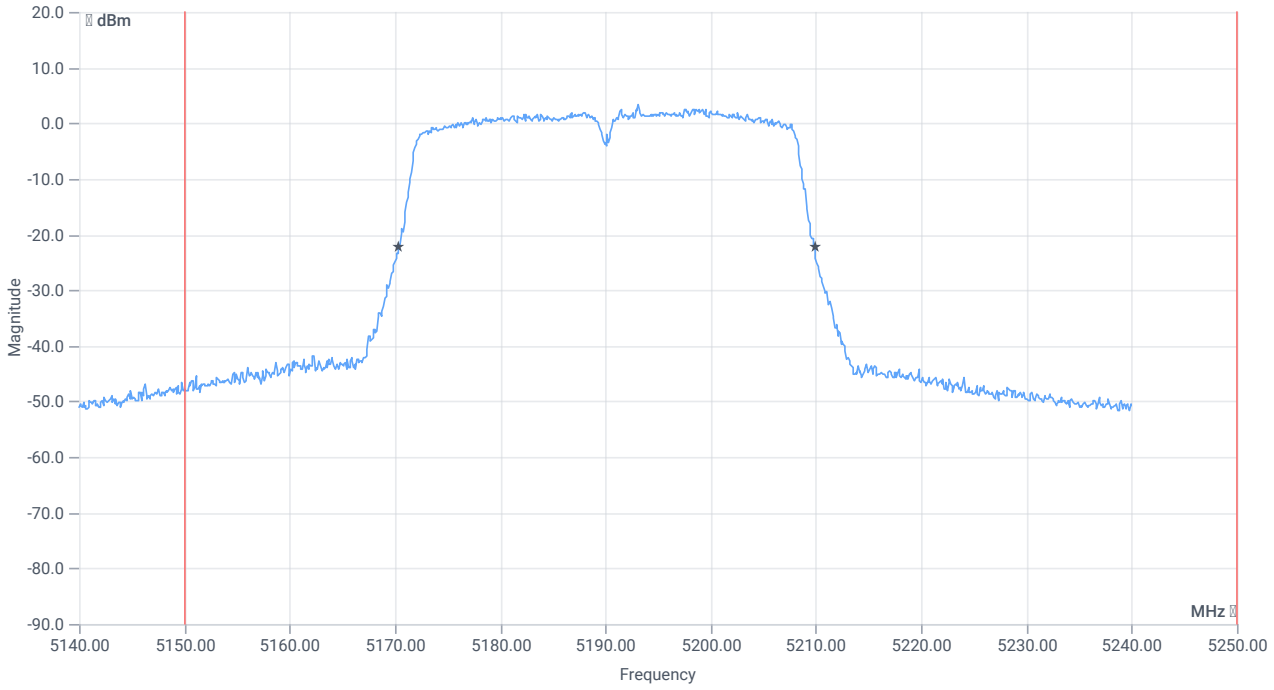
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5150.000000	---	5172.1179	MHz	PASS
T2 99%	---	5250.000000	5208.0819	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.5	MHz	INFO
T1 26dB	5150.000000	---	5170.4000	MHz	PASS
T2 26dB	---	5250.000000	5209.9000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	21.11.2025 14:23:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

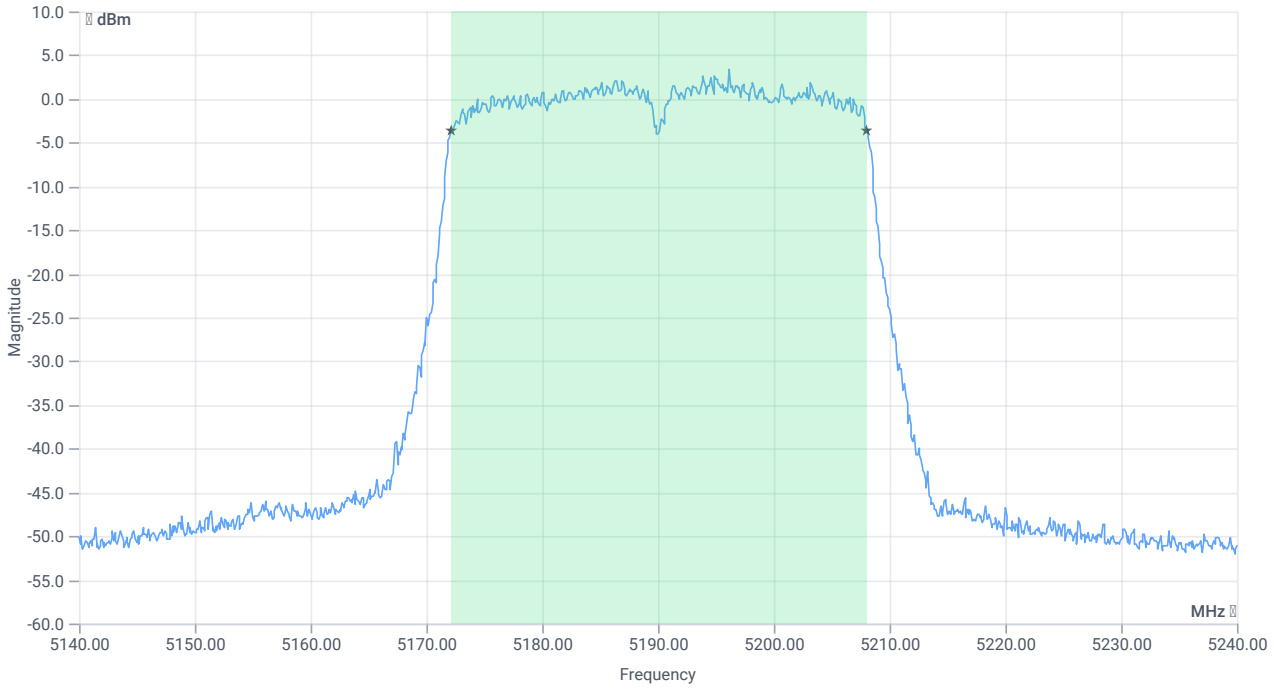
Test at TX 5190 MHz

RESULT: Reference power cond.

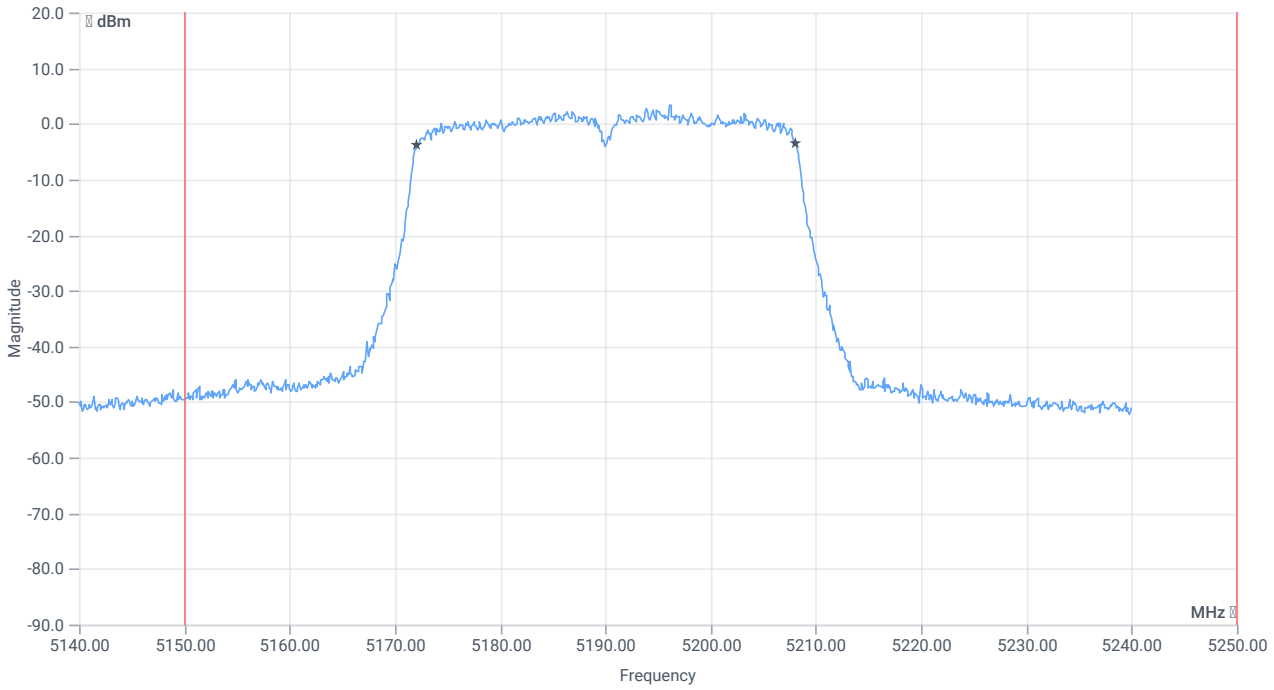
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.76	dBm	INFO
Ref. frequency	---	---	5198.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.76 | 14.04 | 15
Start [MHz] | Stop [MHz]	5140.000 | 5240.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



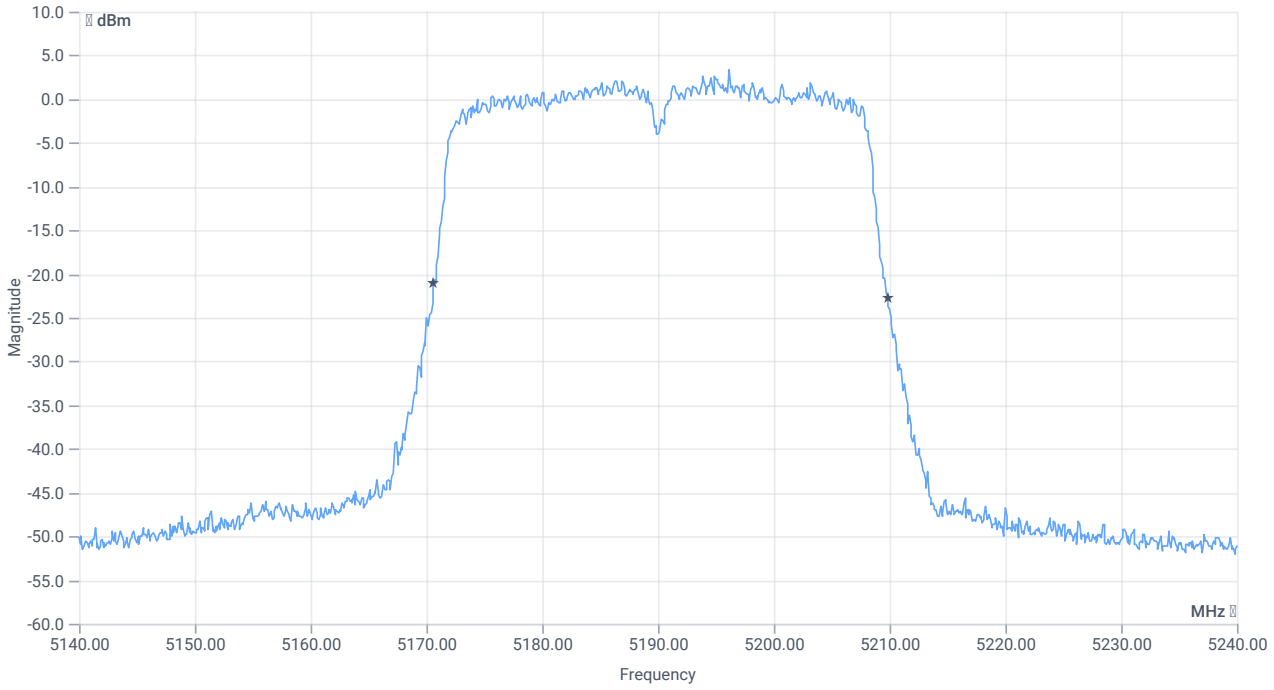
BW 99PCT



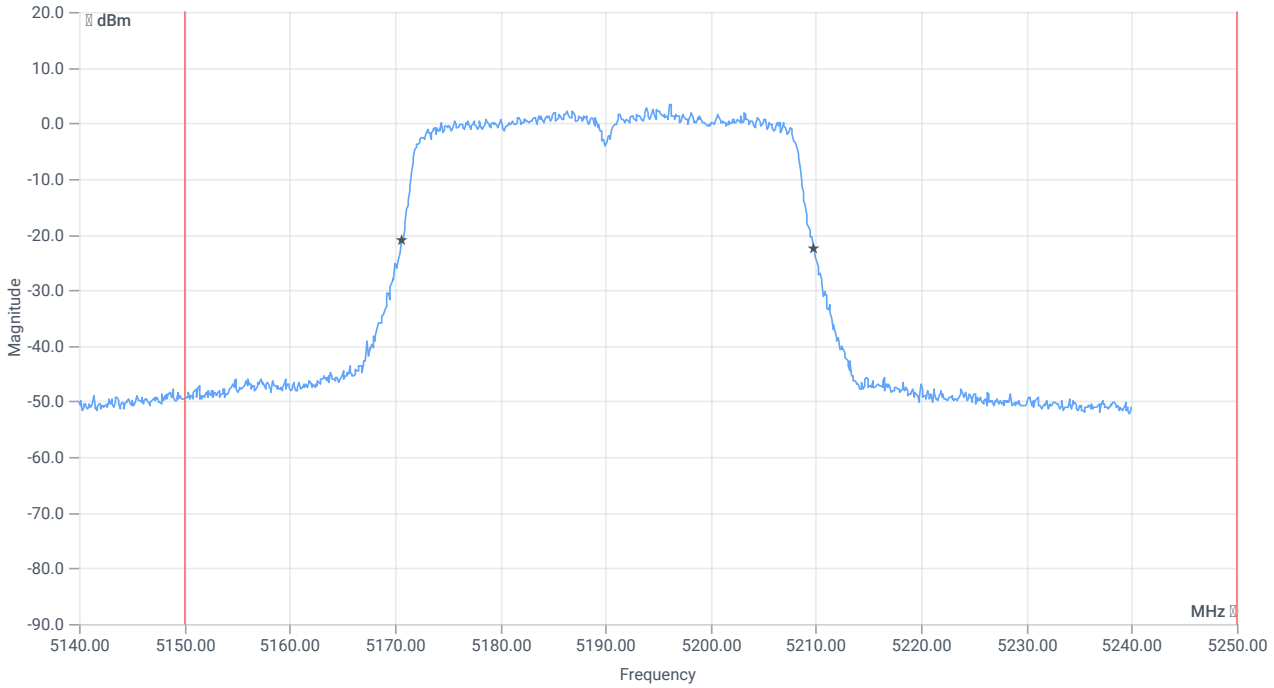
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.864	MHz	INFO
T1 99%	5150.000000	---	5172.1179	MHz	PASS
T2 99%	---	5250.000000	5207.9820	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.2	MHz	INFO
T1 26dB	5150.000000	---	5170.6000	MHz	PASS
T2 26dB	---	5250.000000	5209.8000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	21.11.2025 14:29:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

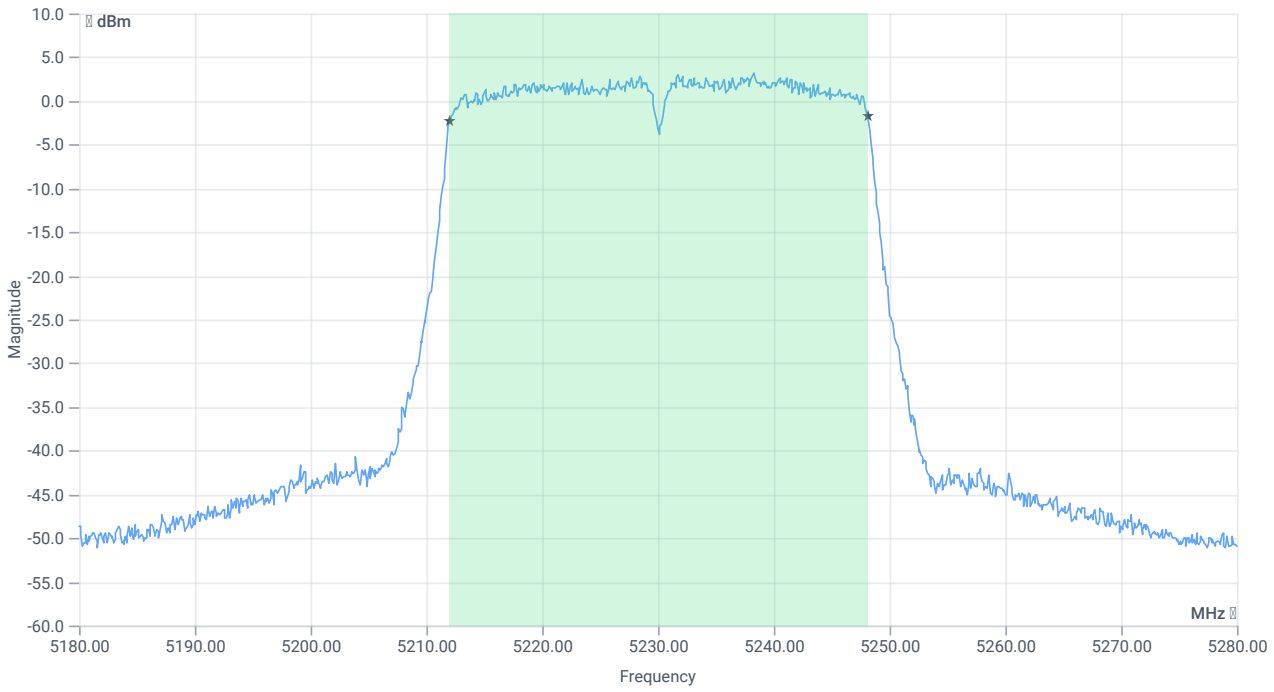
Test at TX 5230 MHz

RESULT: Reference power cond.

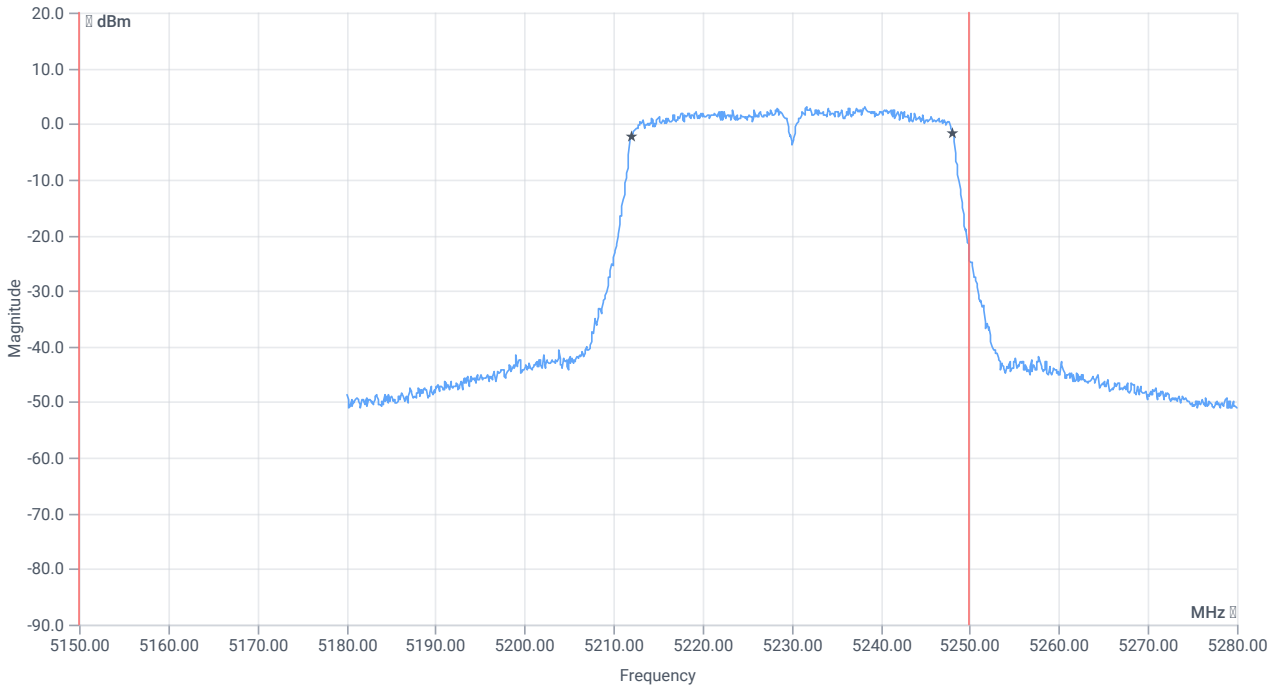
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.75	dBm	INFO
Ref. frequency	---	---	5232.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	13.75 | 14.38 | 15
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



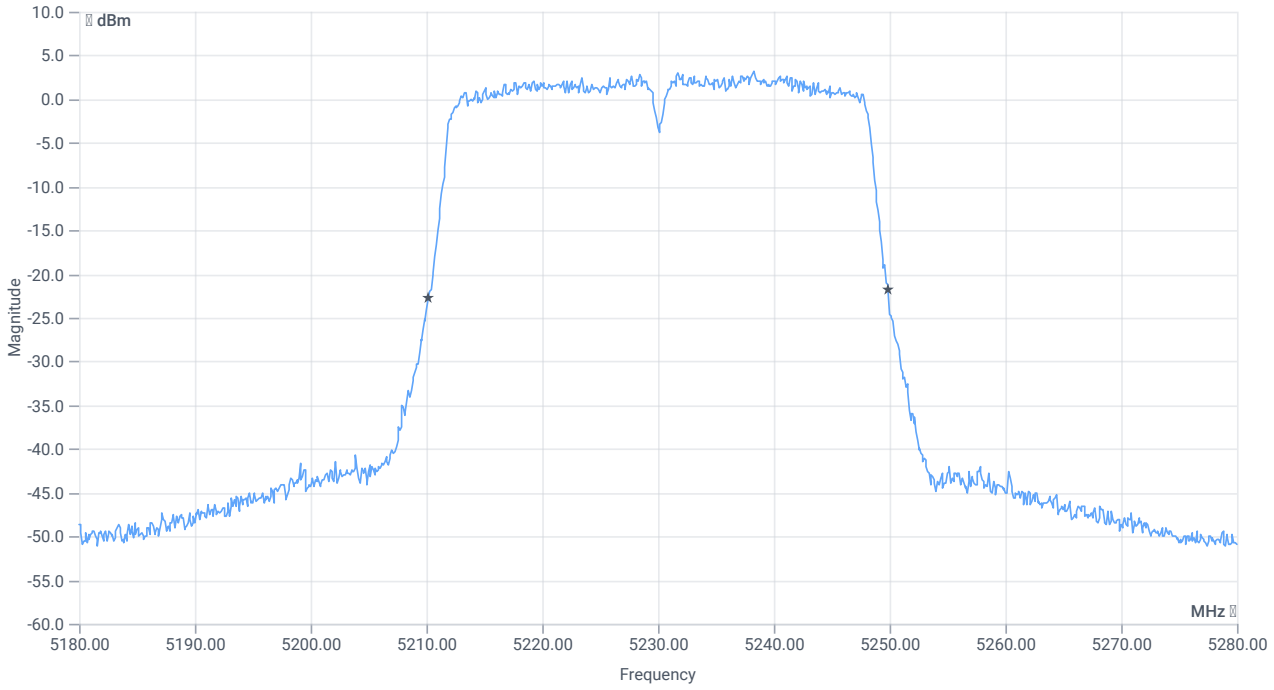
BW 99PCT



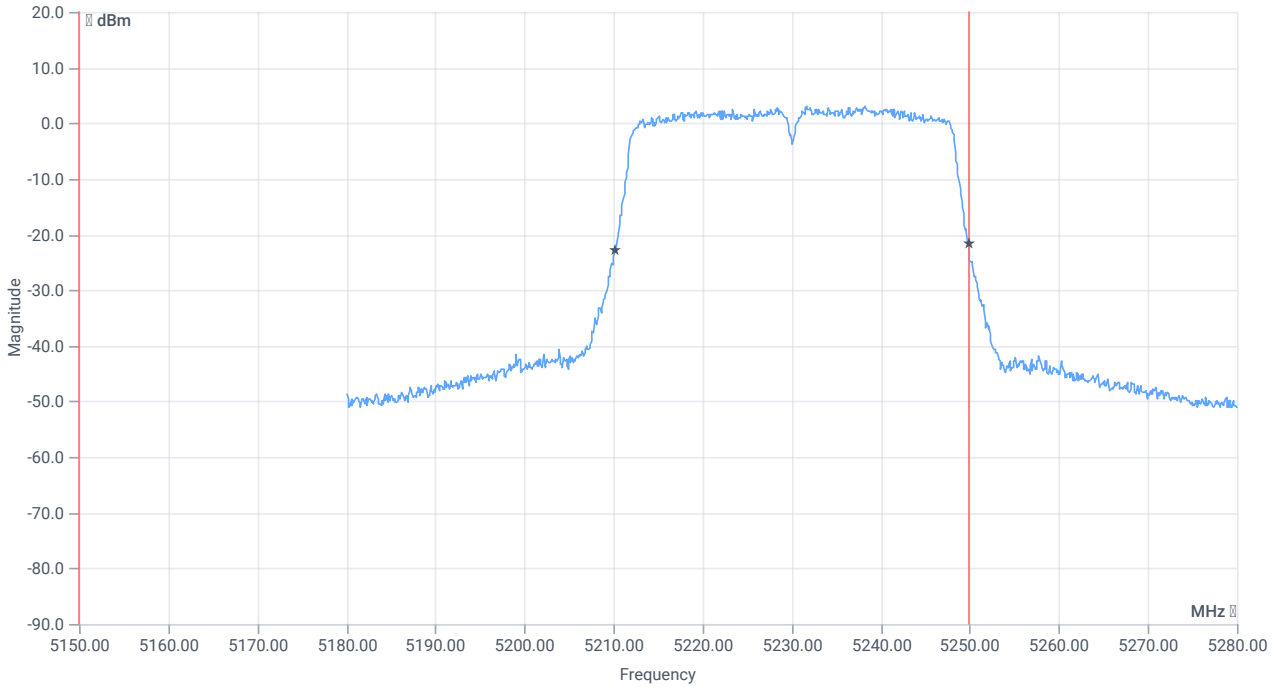
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	36.064	MHz	INFO
T1 99%	5150.000000	---	5212.0180	MHz	PASS
T2 99%	---	5250.000000	5248.0819	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.7	MHz	INFO
T1 26dB	5150.000000	---	5210.2000	MHz	PASS
T2 26dB	---	5250.000000	5249.9000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-1

References

TC start	21.11.2025 14:34:02
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

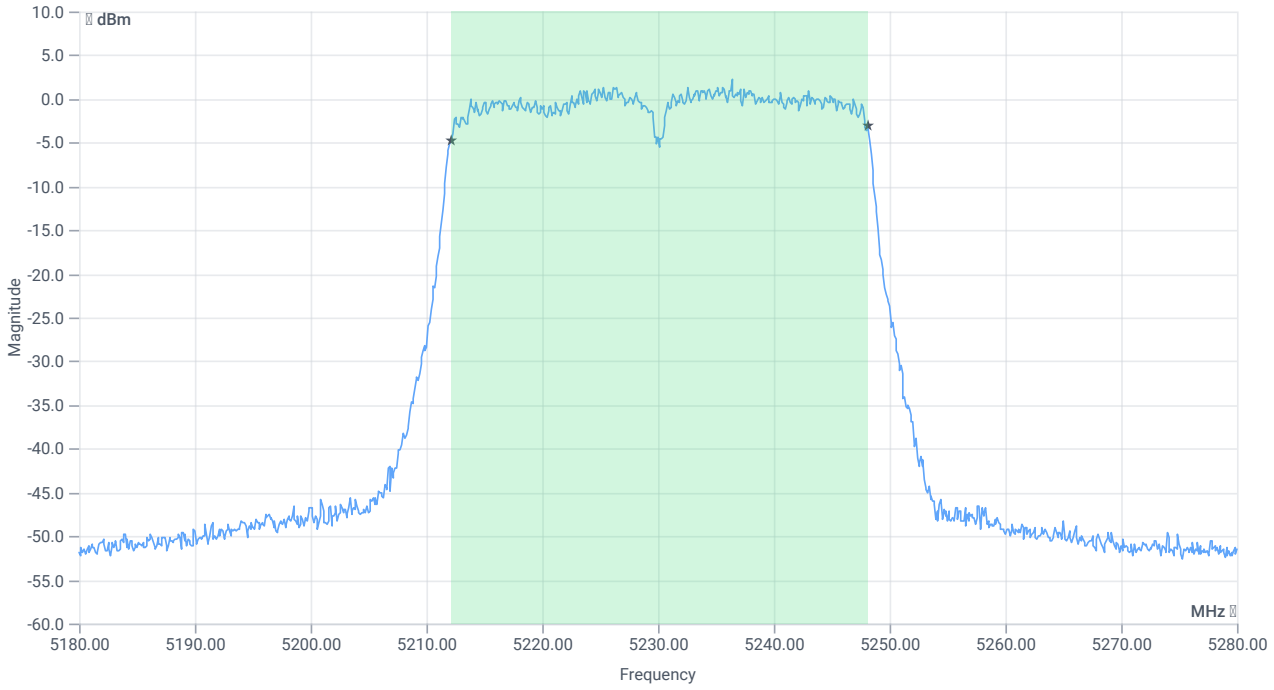
Test at TX 5230 MHz

RESULT: Reference power cond.

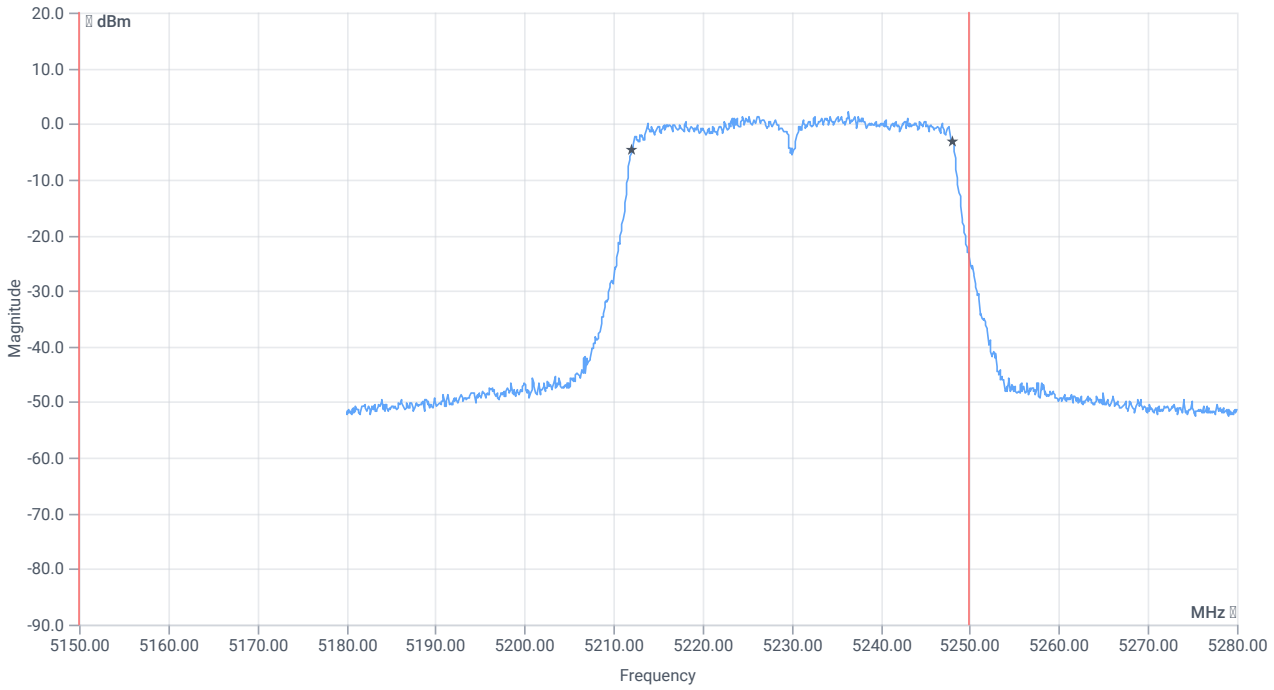
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.37	dBm	INFO
Ref. frequency	---	---	5240.390	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	11.37 | 13.51 | 15
Start [MHz] | Stop [MHz]	5180.000 | 5280.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



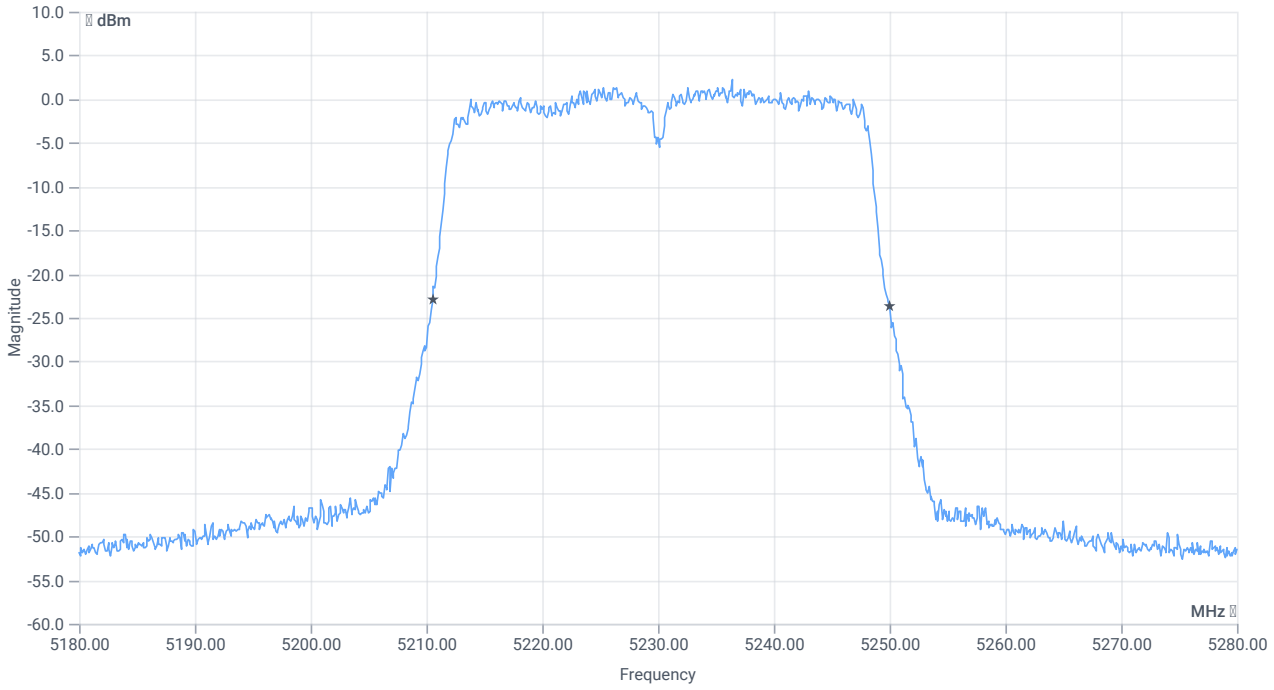
BW 99PCT



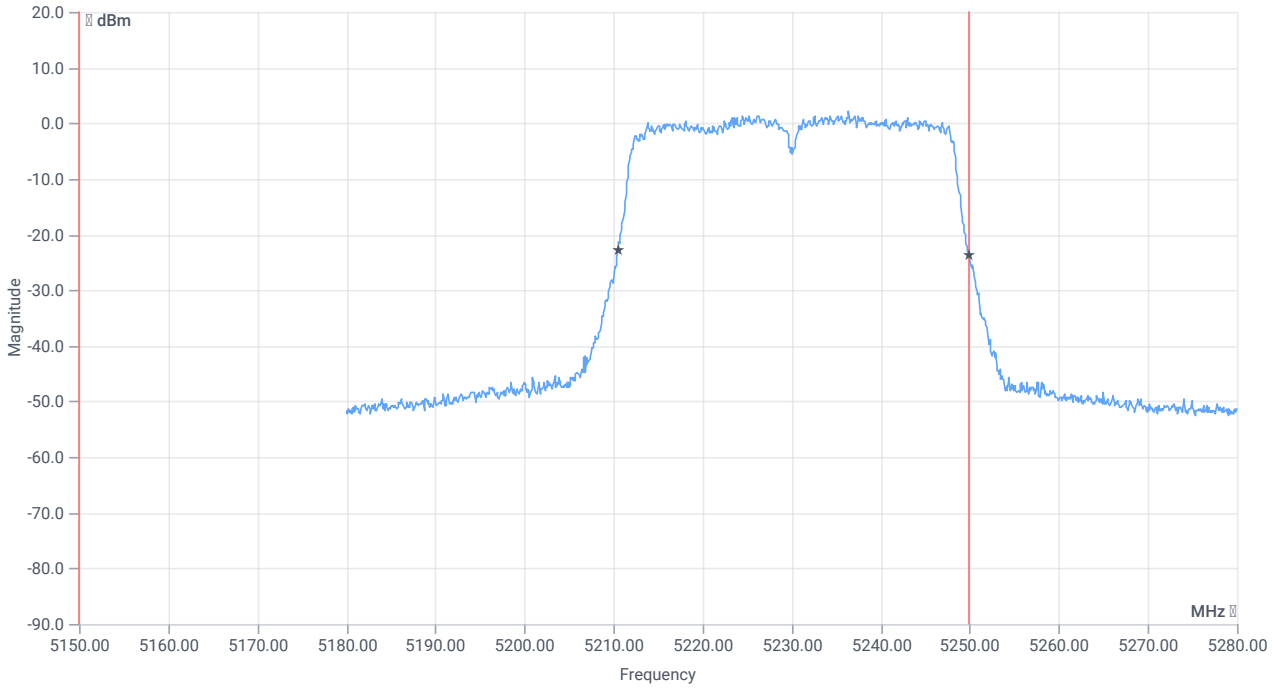
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5150.000000	---	5212.1179	MHz	PASS
T2 99%	---	5250.000000	5248.0819	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.5	MHz	INFO
T1 26dB	5150.000000	---	5210.5000	MHz	PASS
T2 26dB	---	5250.000000	5250.0000	MHz	DFS required

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:40:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

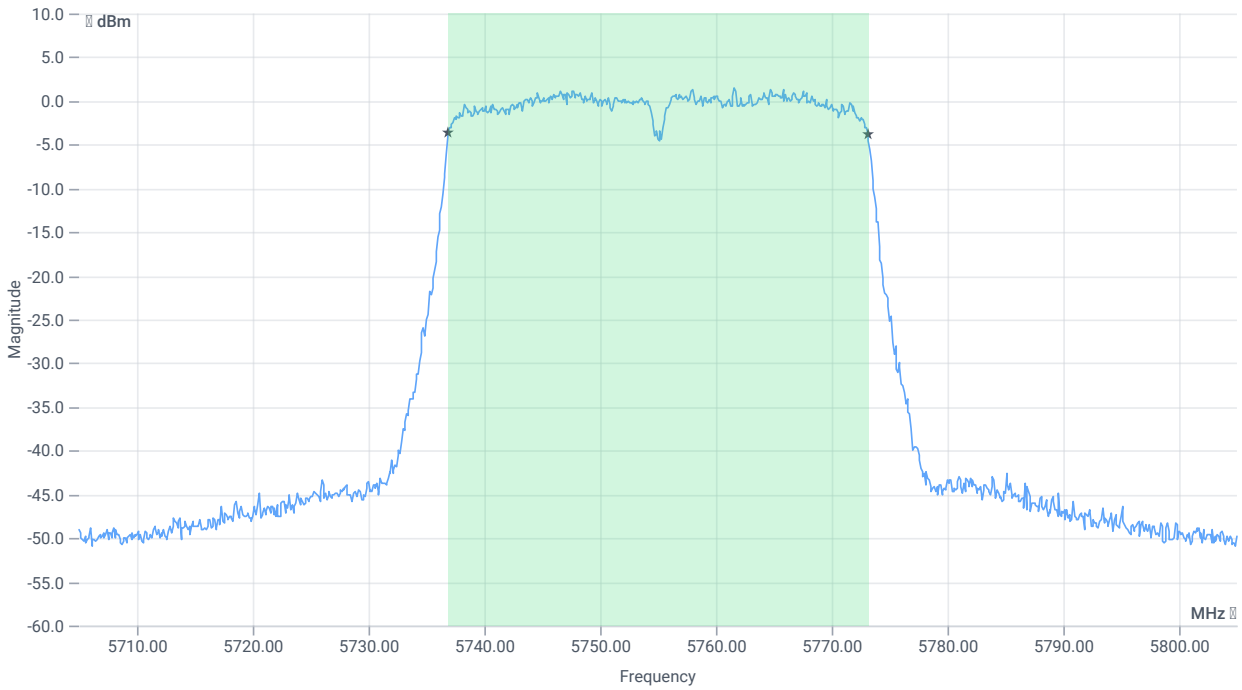
Test at TX 5755 MHz

RESULT: Reference power cond.

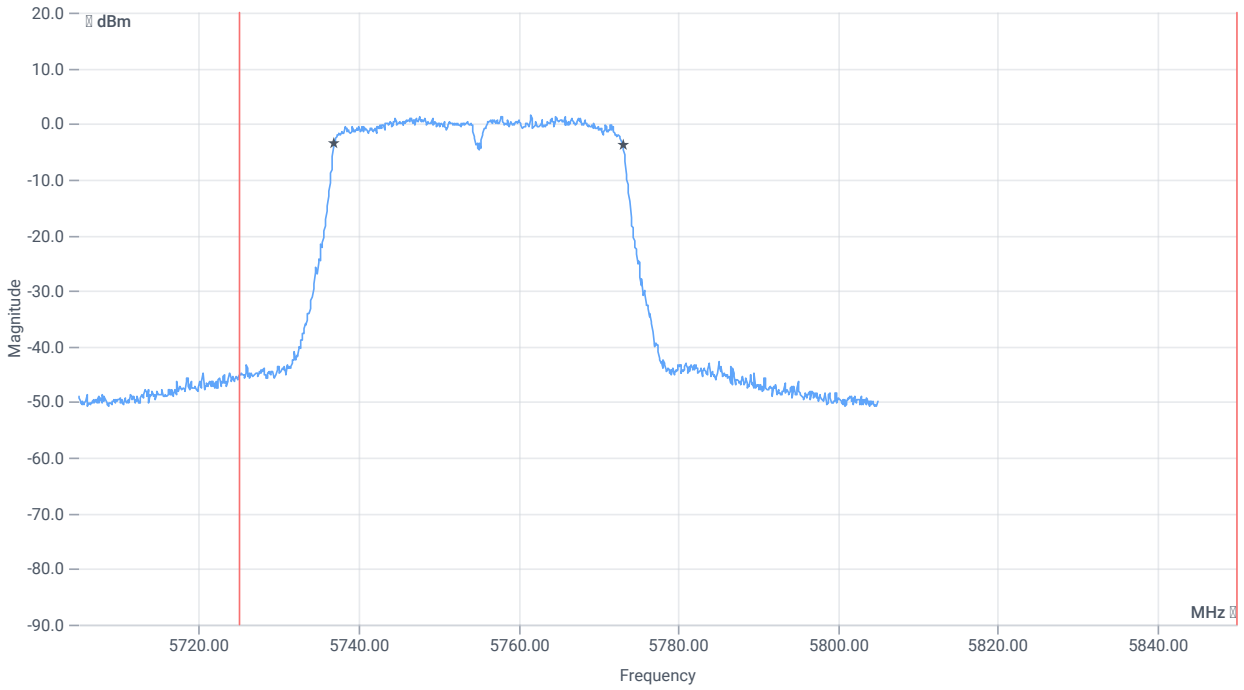
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.19	dBm	INFO
Ref. frequency	---	---	5745.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.19 | 13.98 | 15
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



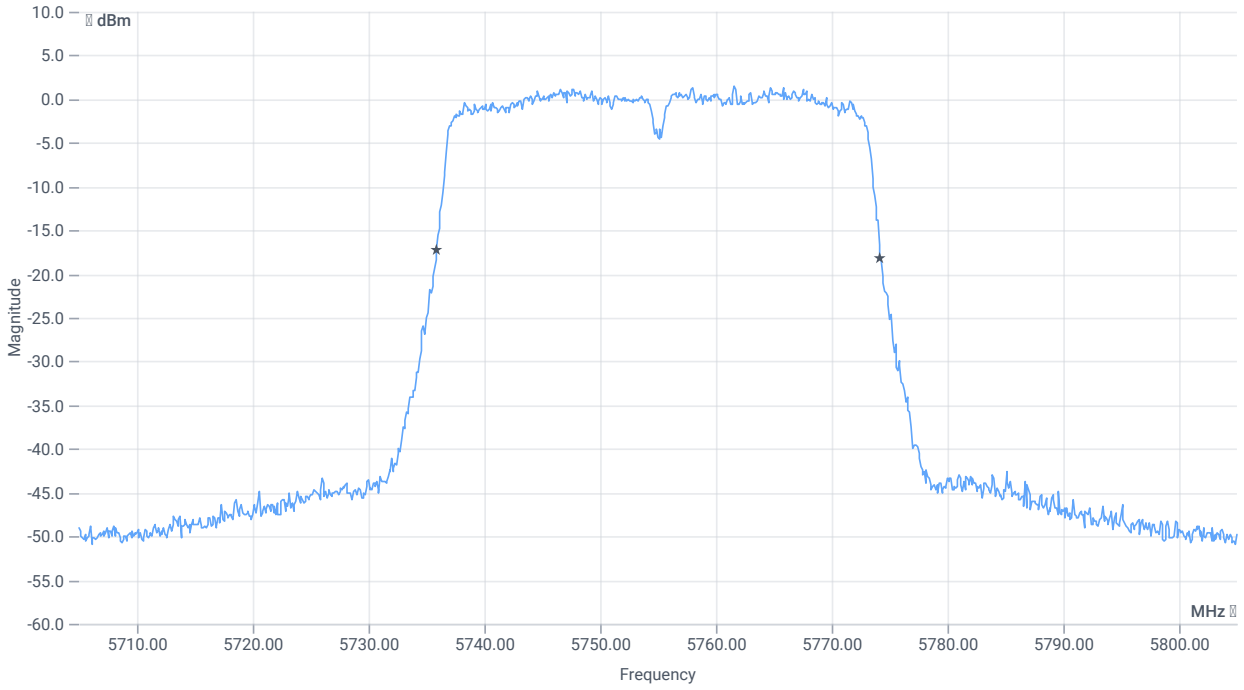
BW 99PCT



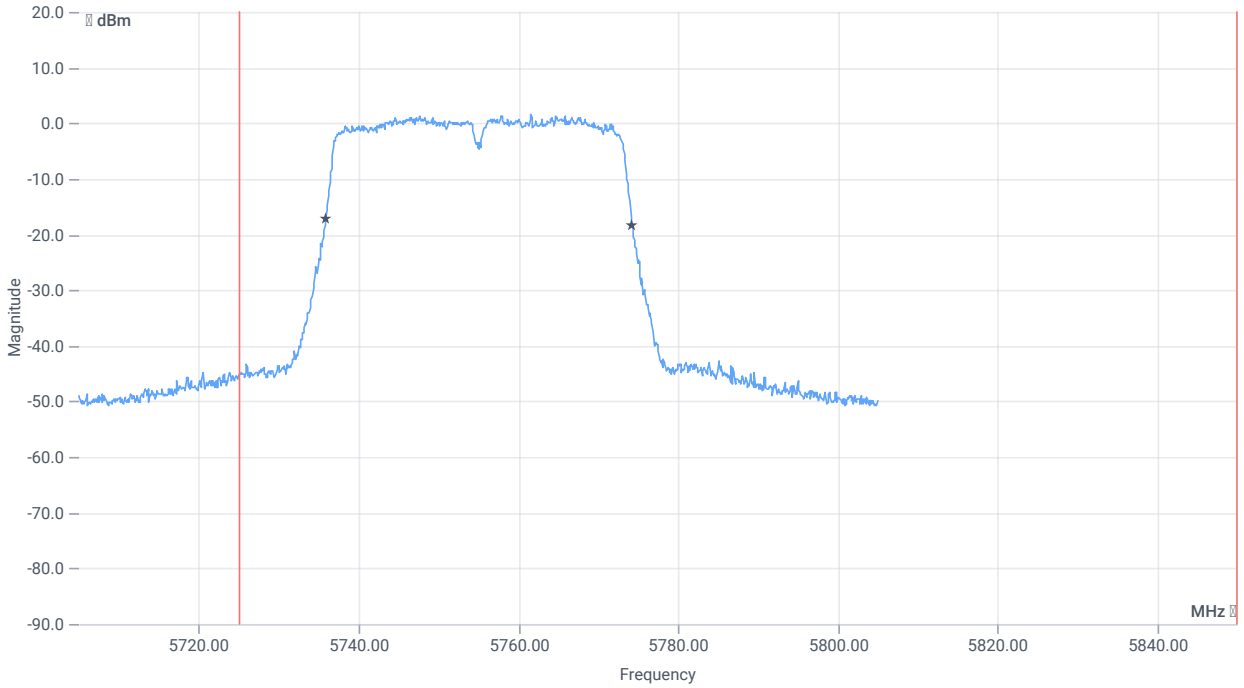
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	36.164	MHz	INFO
T1 99%	5725.000000	---	5736.9181	MHz	PASS
T2 99%	---	5850.000000	5773.0819	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	38.3	MHz	INFO
T1 20dB	5725.000000	---	5735.9000	MHz	PASS
T2 20dB	---	5850.000000	5774.2000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:48:18
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

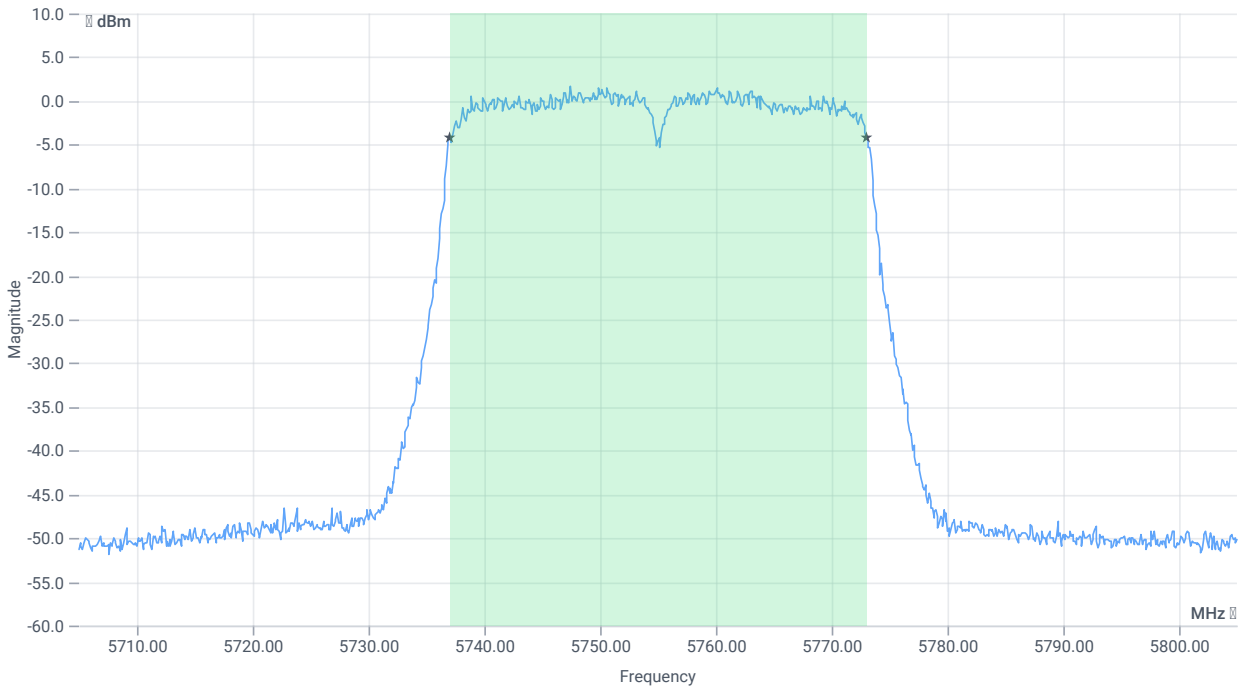
Test at TX 5755 MHz

RESULT: Reference power cond.

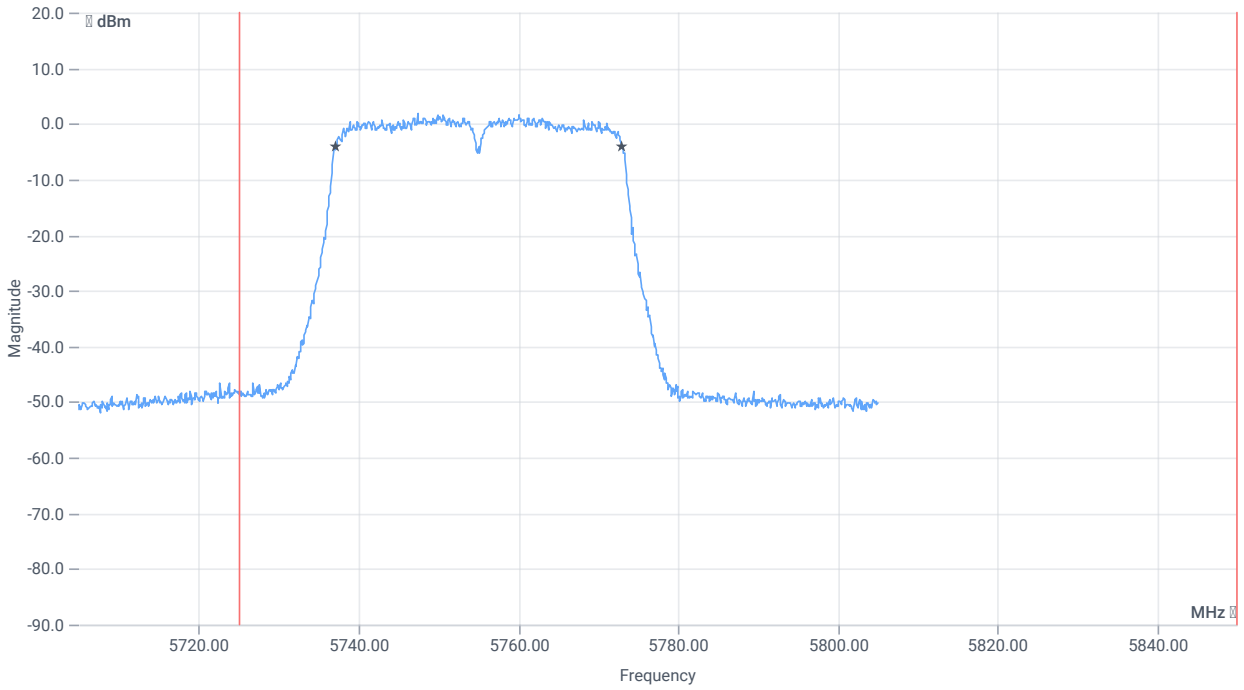
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.41	dBm	INFO
Ref. frequency	---	---	5758.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.41 | 13.94 | 15
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



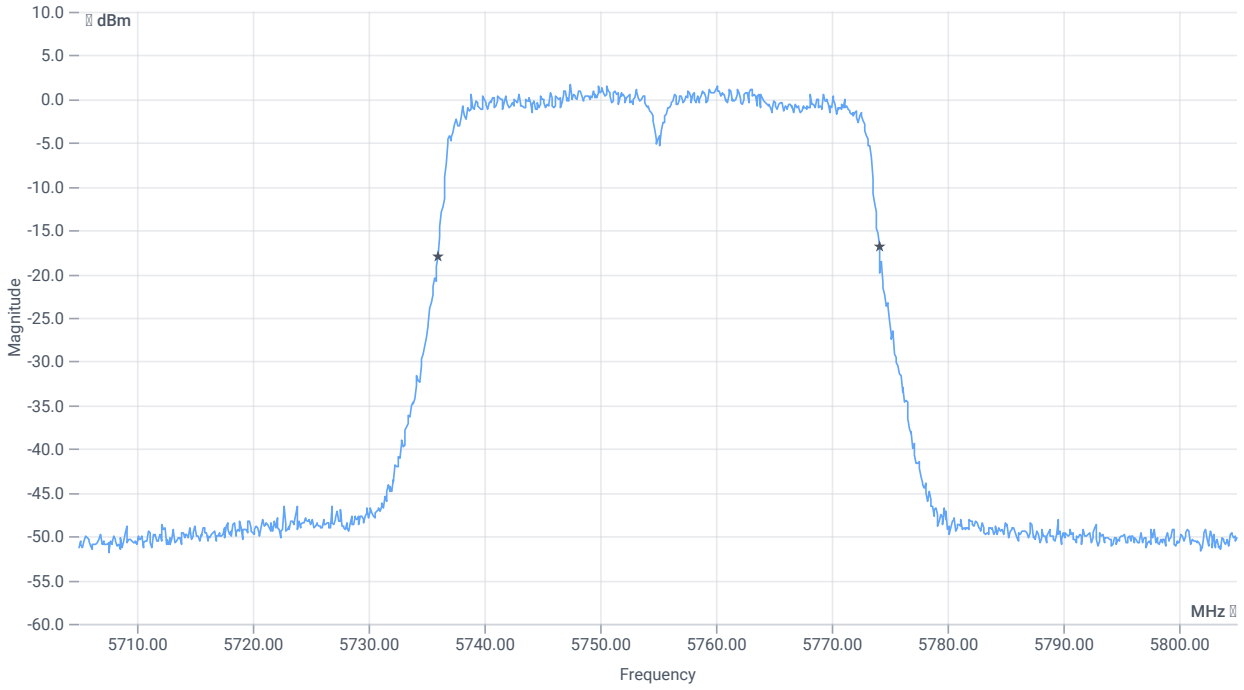
BW 99PCT



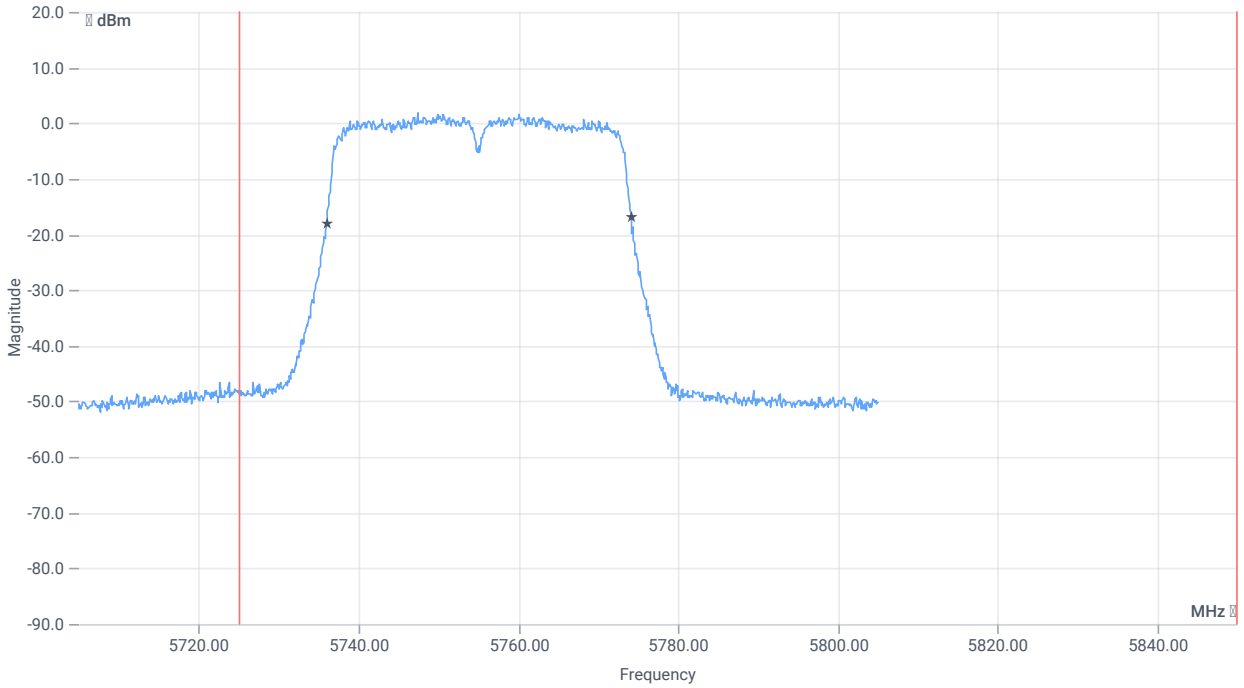
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.964	MHz	INFO
T1 99%	5725.000000	---	5737.0180	MHz	PASS
T2 99%	---	5850.000000	5772.9820	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	38.1	MHz	INFO
T1 20dB	5725.000000	---	5736.0000	MHz	PASS
T2 20dB	---	5850.000000	5774.1000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:57:30
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

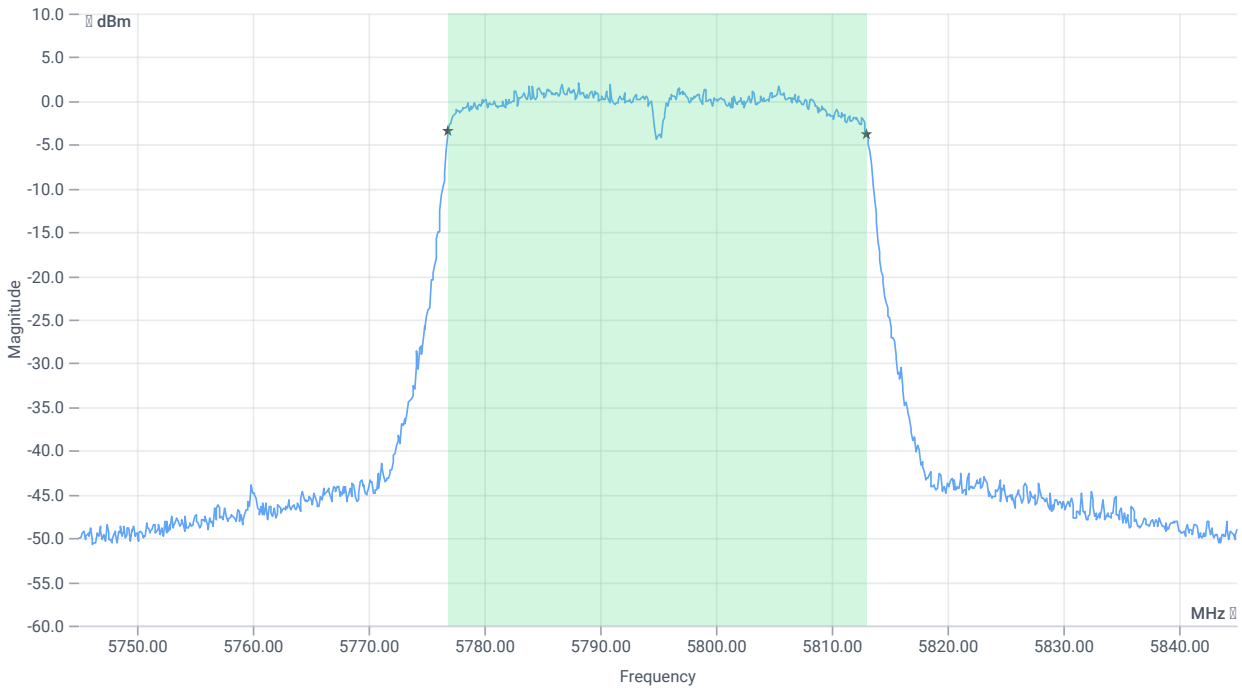
Test at TX 5795 MHz

RESULT: Reference power cond.

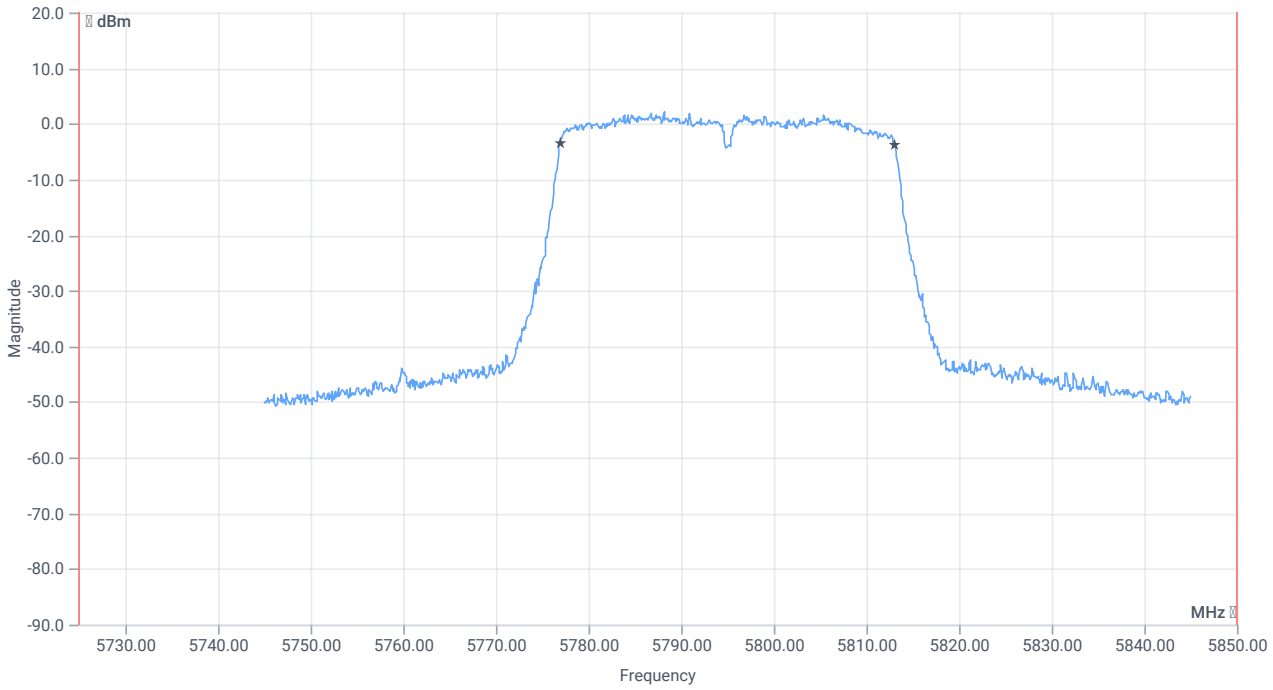
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.69	dBm	INFO
Ref. frequency	---	---	5796.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.69 | 14.49 | 15
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



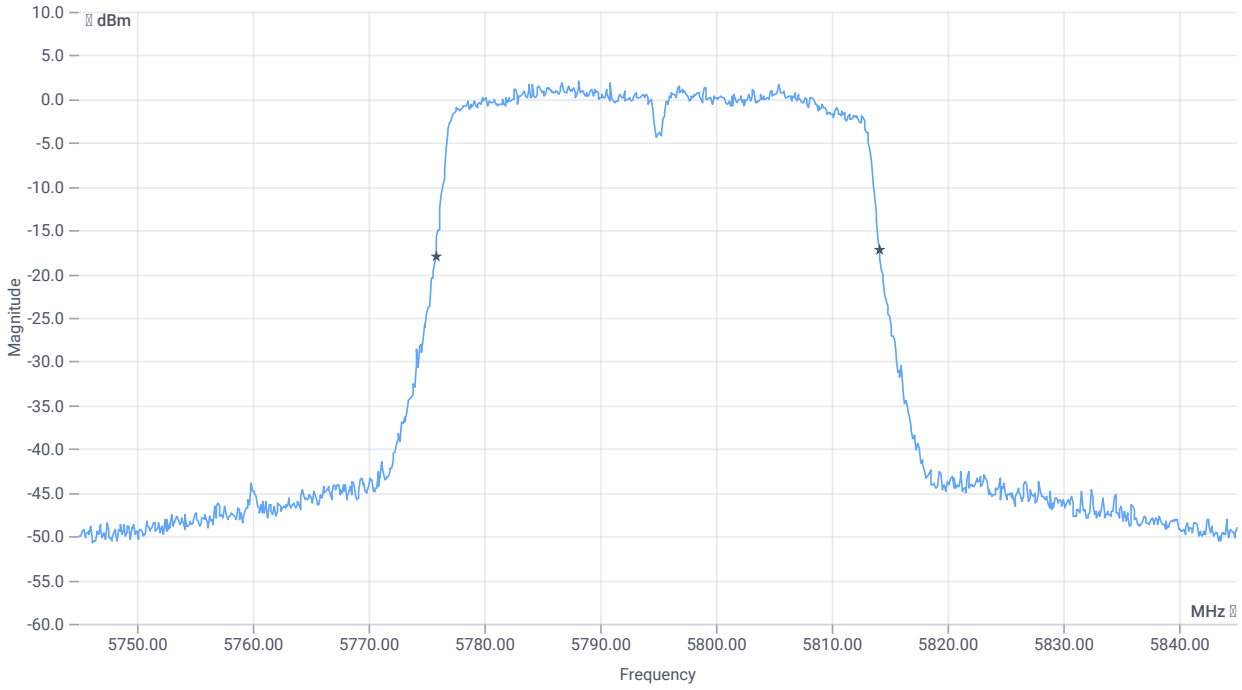
BW 99PCT



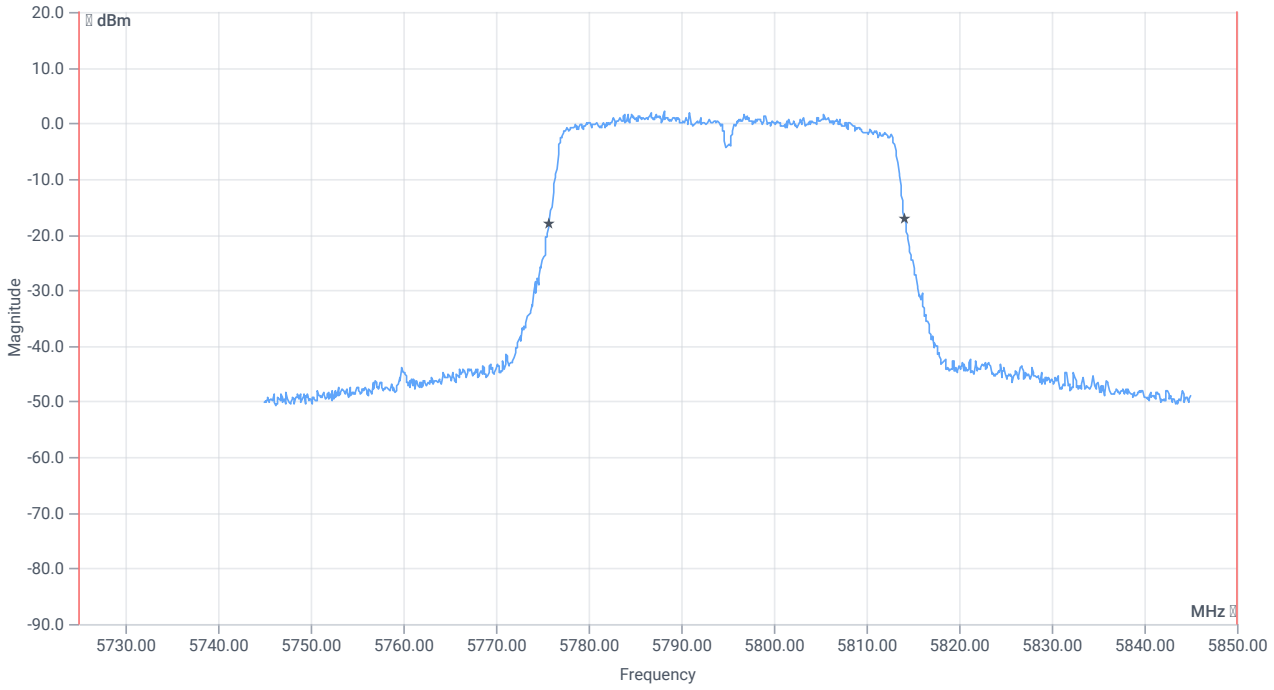
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	36.064	MHz	INFO
T1 99%	5725.000000	---	5776.9181	MHz	PASS
T2 99%	---	5850.000000	5812.9820	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	38.3	MHz	INFO
T1 20dB	5725.000000	---	5775.8000	MHz	PASS
T2 20dB	---	5850.000000	5814.1000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 15:04:55
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

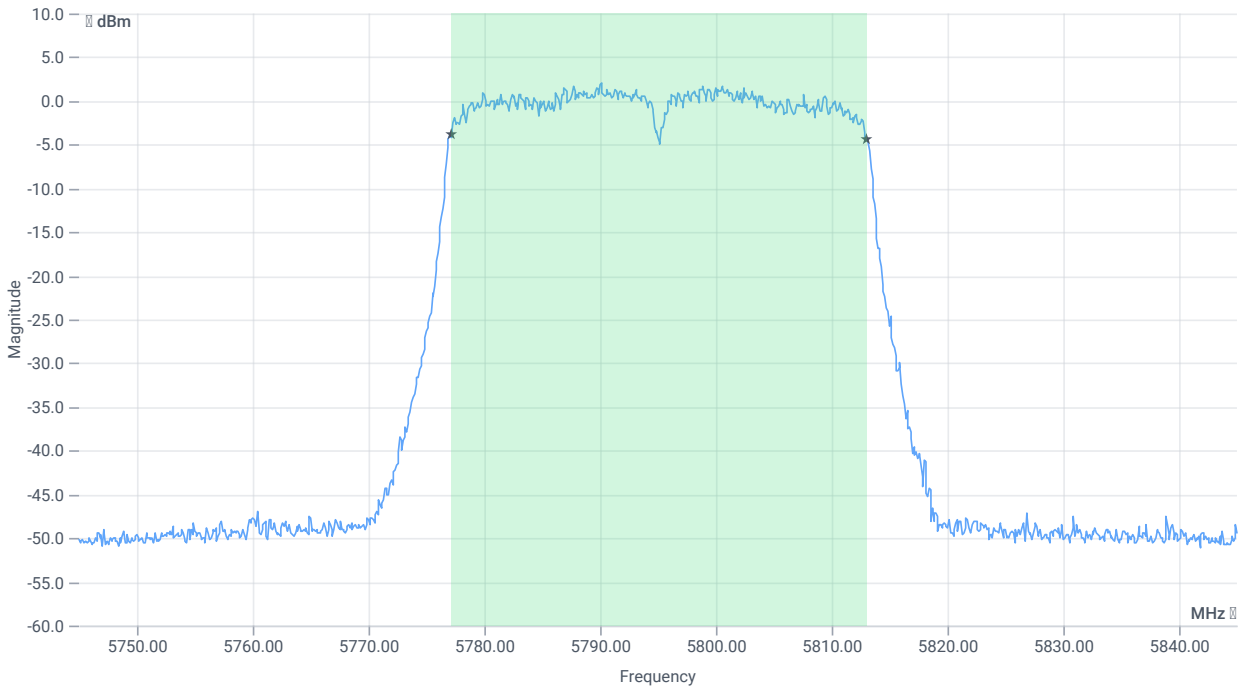
Test at TX 5795 MHz

RESULT: Reference power cond.

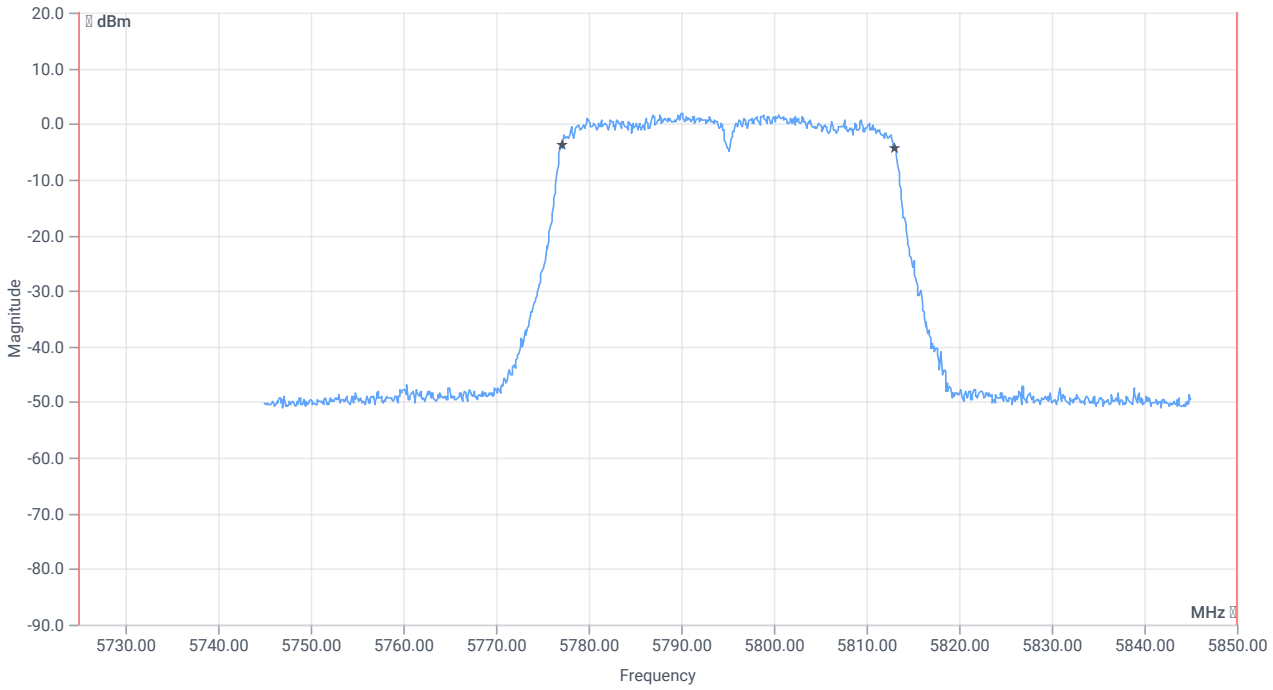
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.19	dBm	INFO
Ref. frequency	---	---	5792.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	12.19 | 14.3 | 15
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.500000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



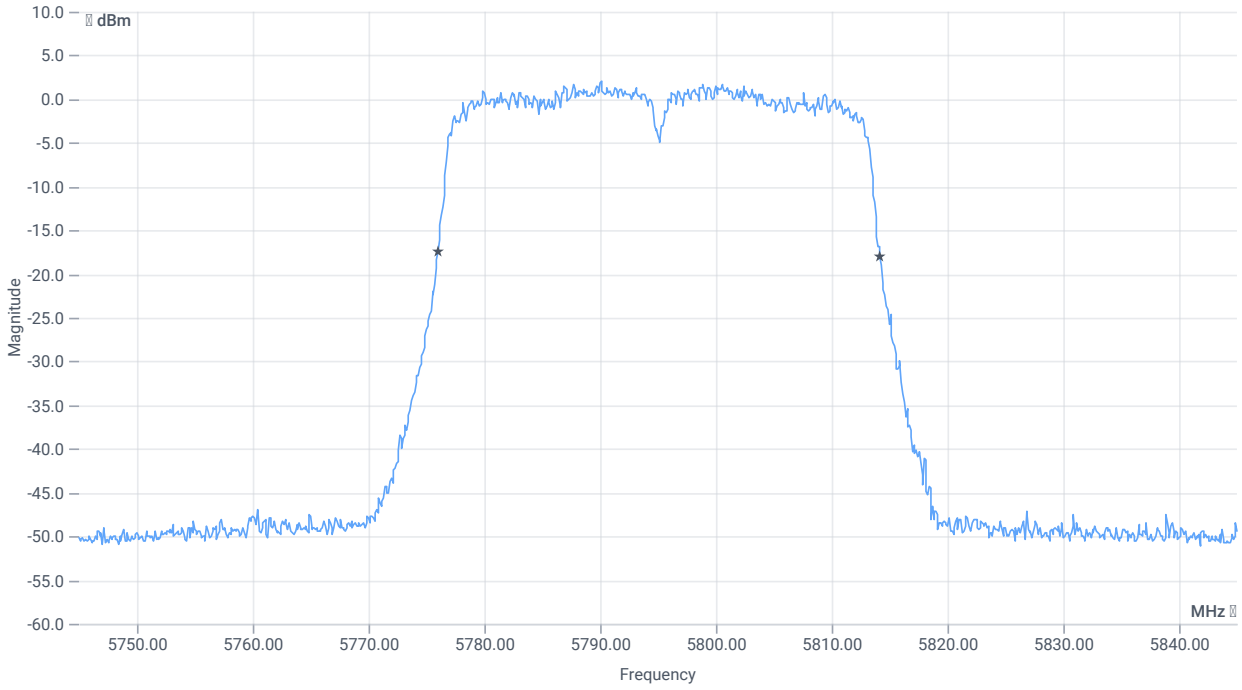
BW 99PCT



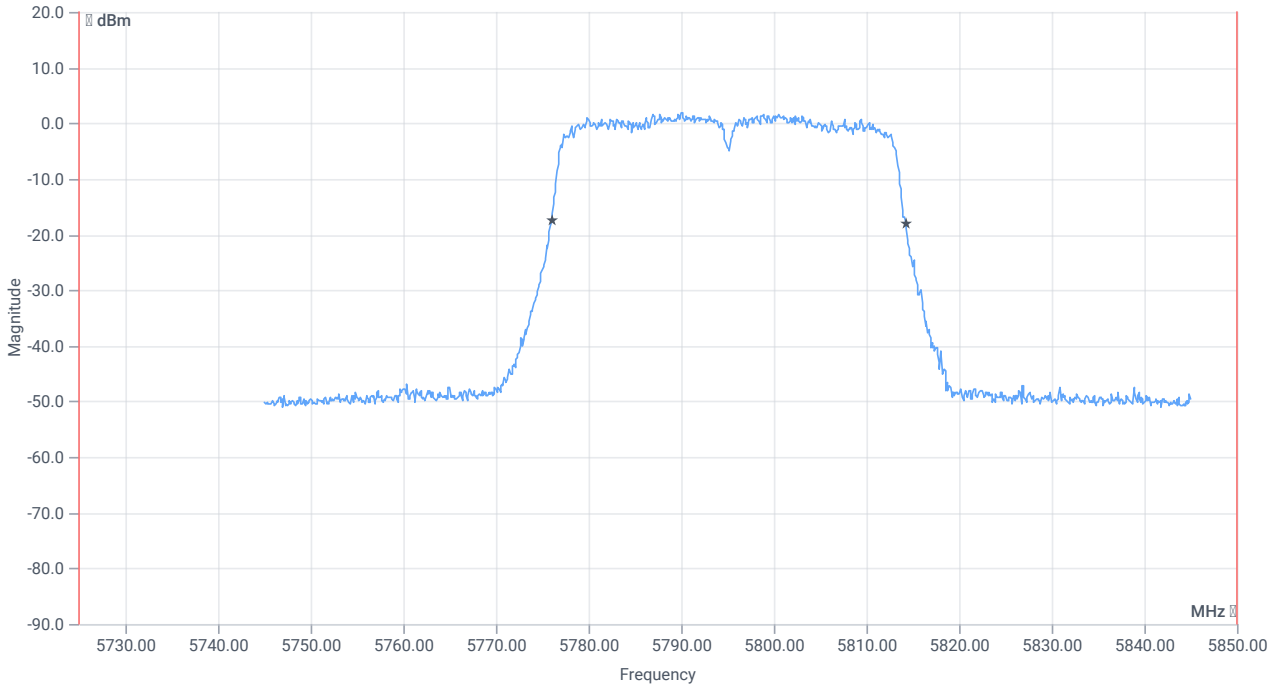
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	35.864	MHz	INFO
T1 99%	5725.000000	---	5777.1179	MHz	PASS
T2 99%	---	5850.000000	5812.9820	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	38.2	MHz	INFO
T1 20dB	5725.000000	---	5776.0000	MHz	PASS
T2 20dB	---	5850.000000	5814.2000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:41:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

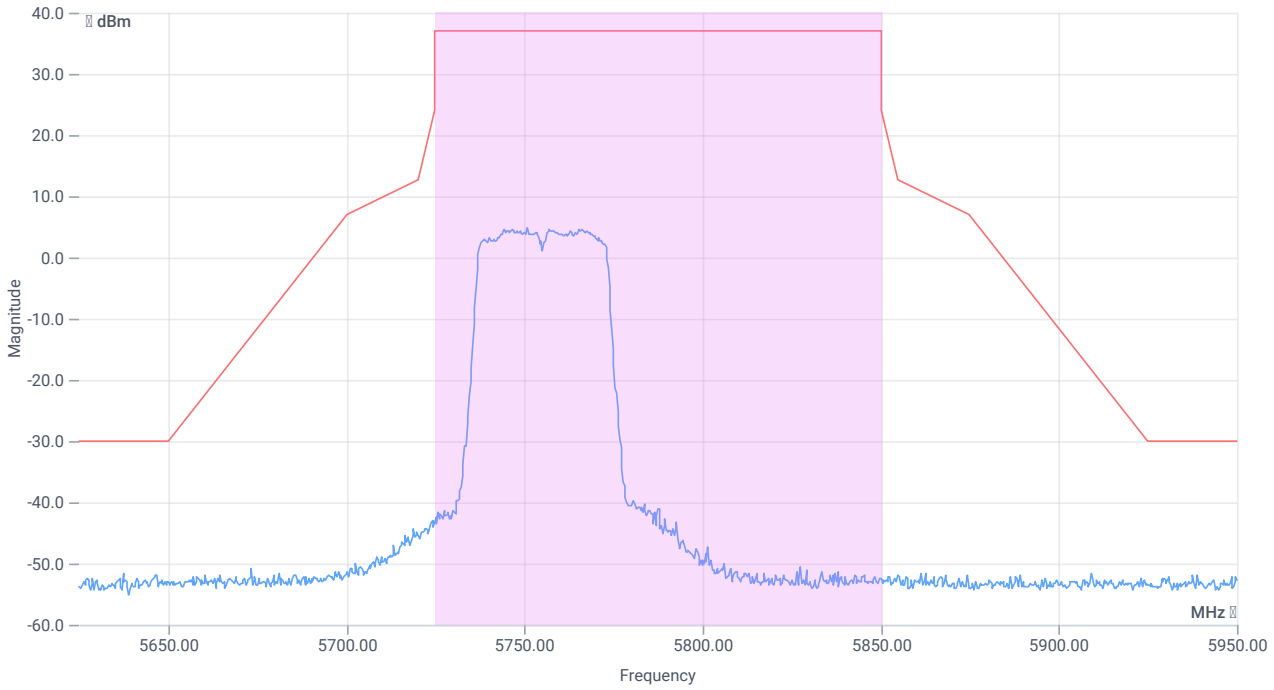
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.99	dBm	INFO
Ref. frequency	---	---	5751.800	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	6.99 | 13.98 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:49:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

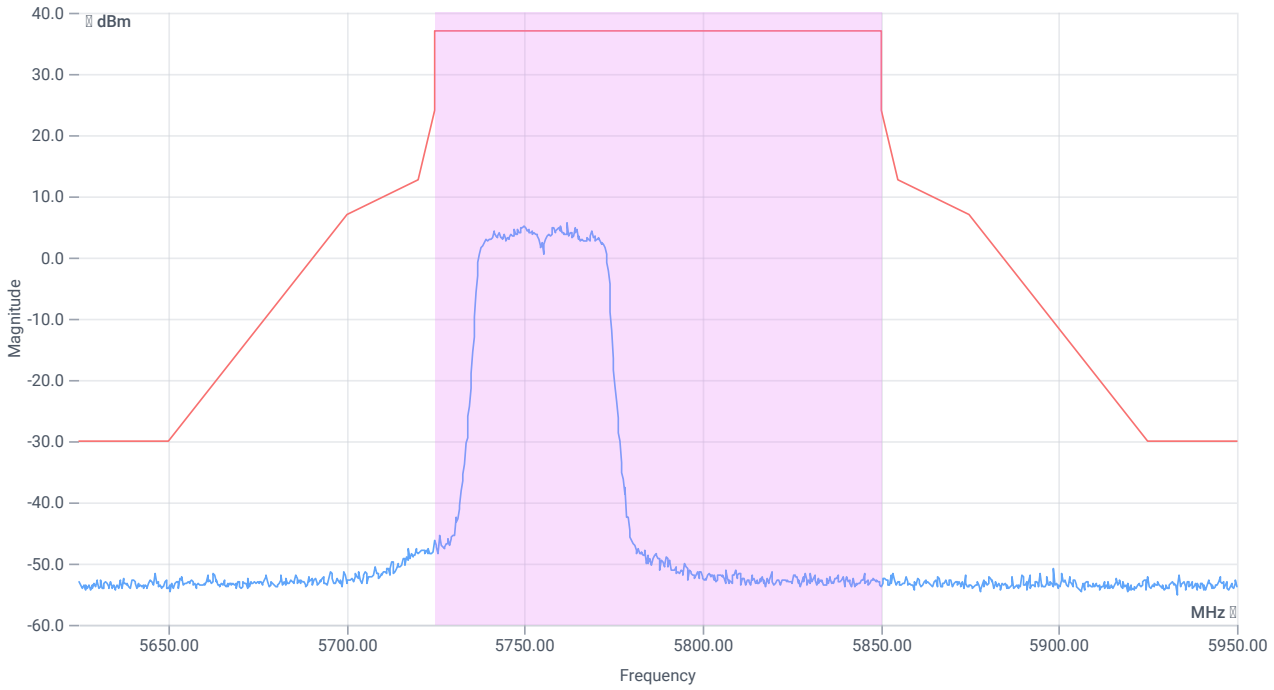
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.70	dBm	INFO
Ref. frequency	---	---	5751.800	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.70 | 13.94 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:58:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

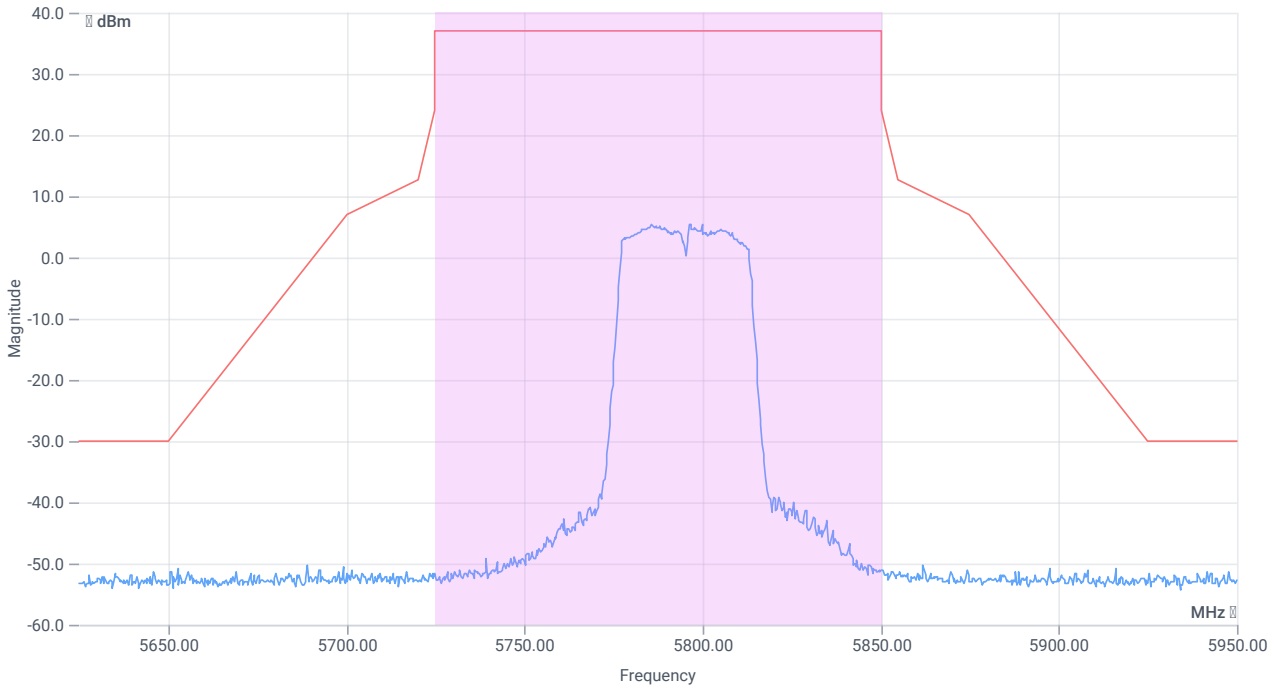
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.41	dBm	INFO
Ref. frequency	---	---	5787.610	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.41 | 14.49 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

FCC 15.407, ISED RSS247 # Emission mask (eirp) ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 15:05:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

Number of antenna ports: 2

reduction of limit due to number of antenna ports [dB]: 3

RESULT: Reference power cond.

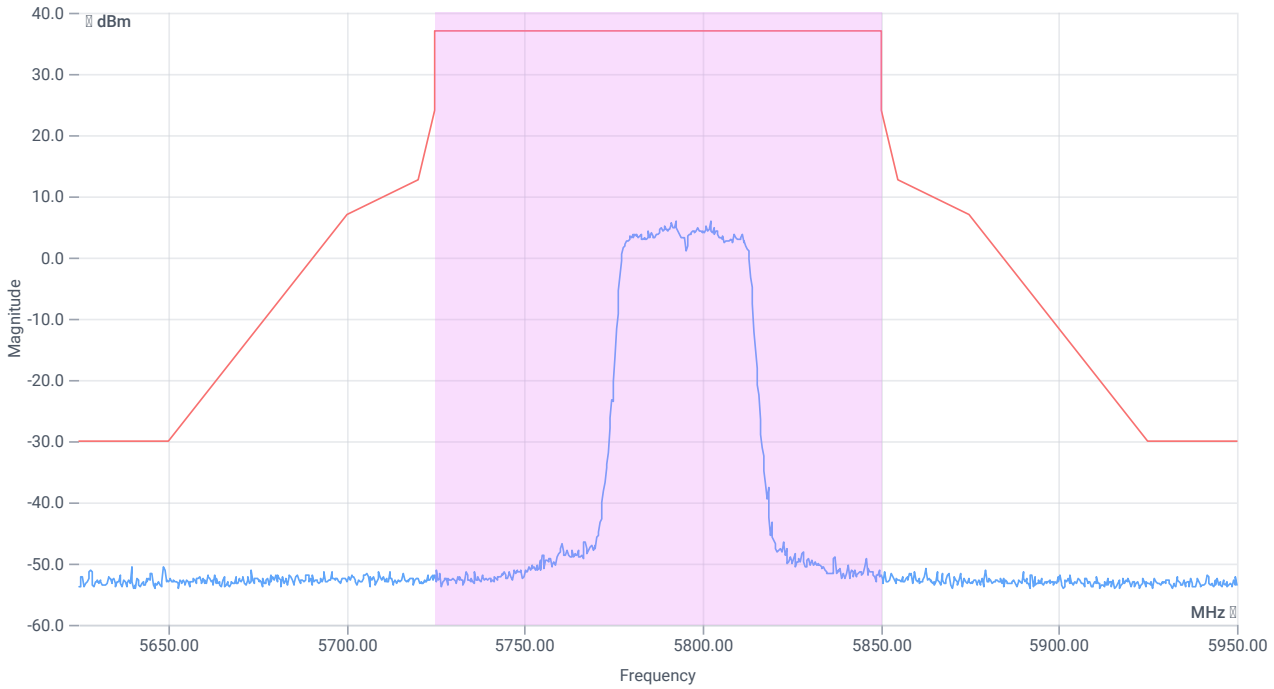
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.52	dBm	INFO
Ref. frequency	---	---	5792.200	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	0 / max found in range 5625 to 5950 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	7.52 | 14.3 | 10
Start [MHz] | Stop [MHz]	5625.000 | 5950.000
RBW [MHz] | VBW [MHz]	1.000000 | 3.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



Emission Mask (e.i.r.p)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT

Verdict
PASS

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

References

TC start	24.11.2025 16:01:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

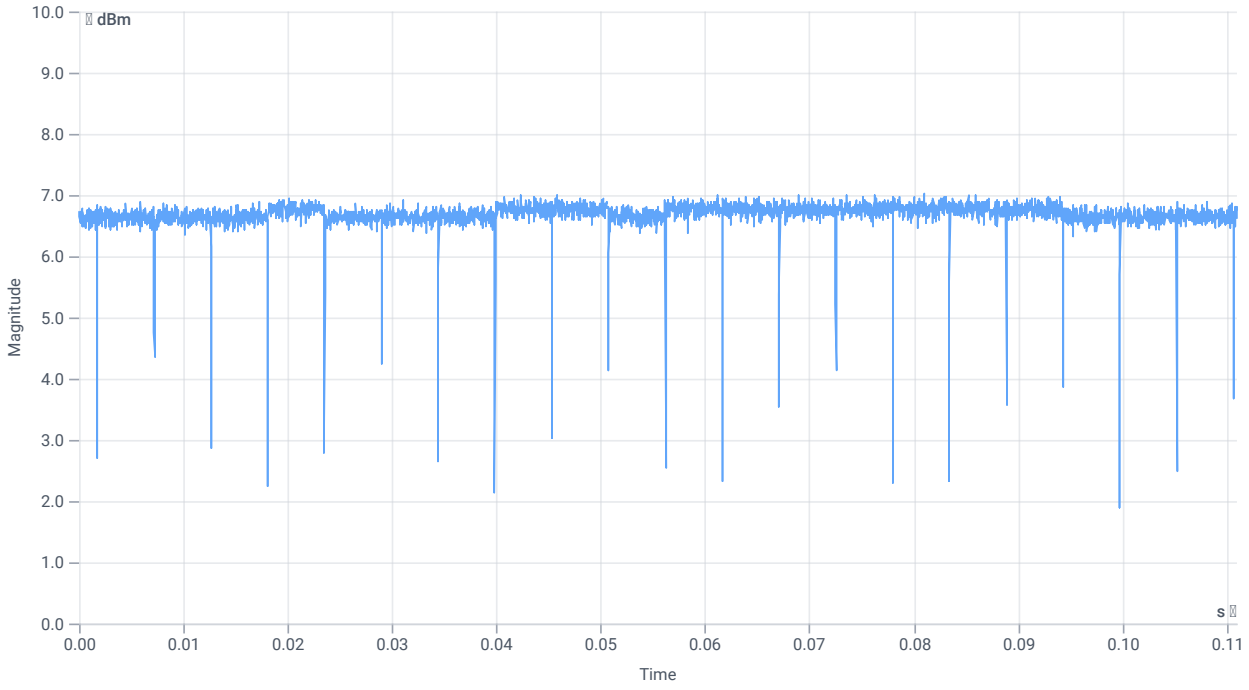
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.38	dBm	INFO
Ref. frequency	---	---	5266.800	MHz	INFO

Evaluation max. duty cycle

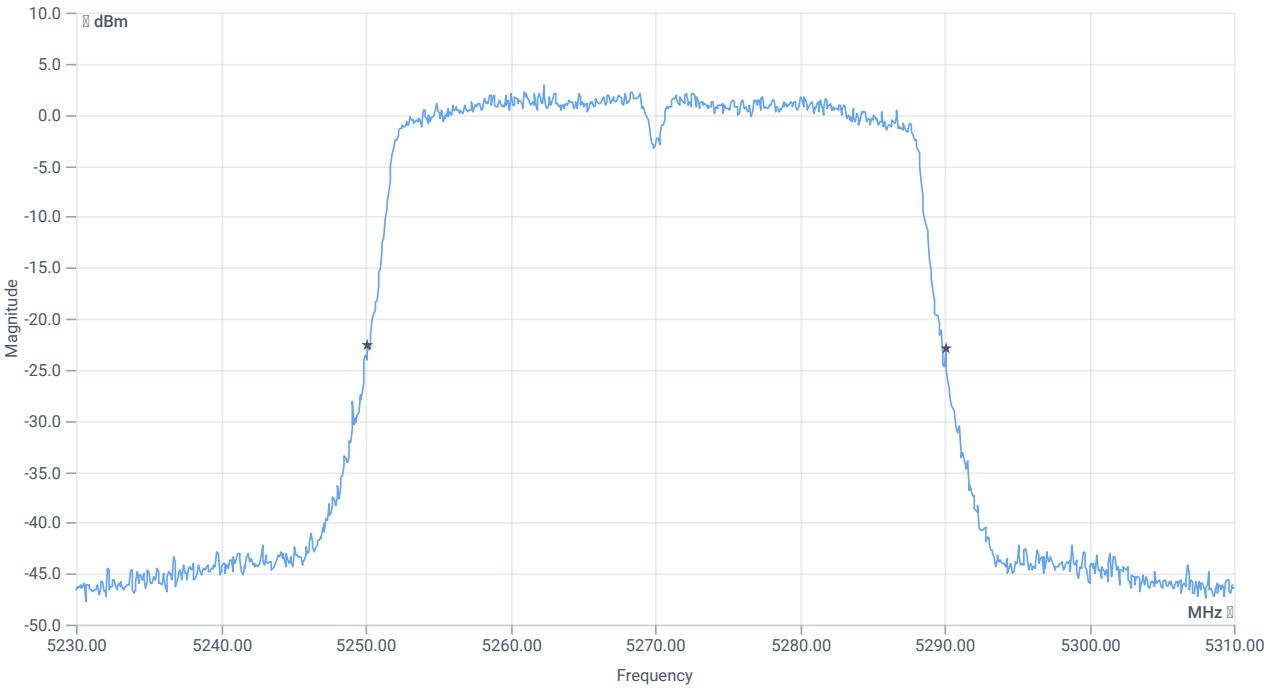
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.92	MHz	INFO
T1 26dB	---	---	5250.1600	MHz	INFO
T2 26dB	---	---	5290.0800	MHz	INFO

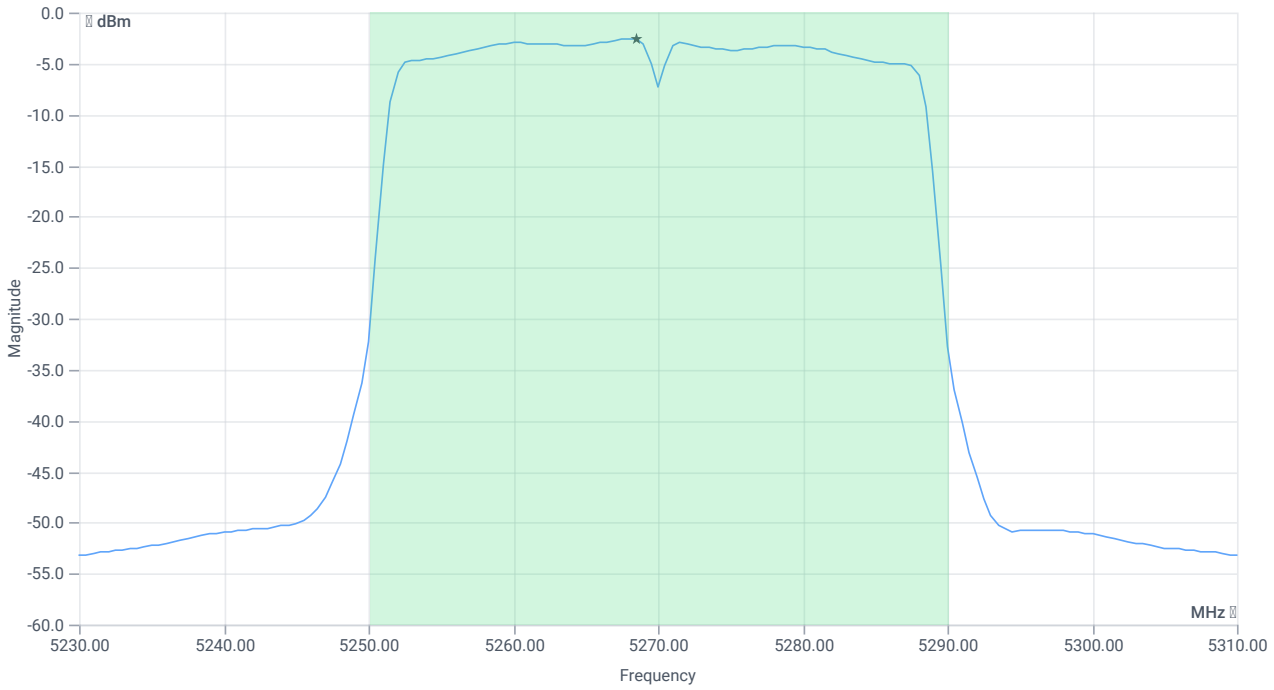
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.38 | 13.73 | 20
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	---	---	11.67	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.67	dBm	PASS
LIMIT: 11 dBm + 10 log 39.92					
Max output power DC corrected cond	---	27.01	11.67	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.67	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.56	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.56	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 16:05:48
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5270 MHz

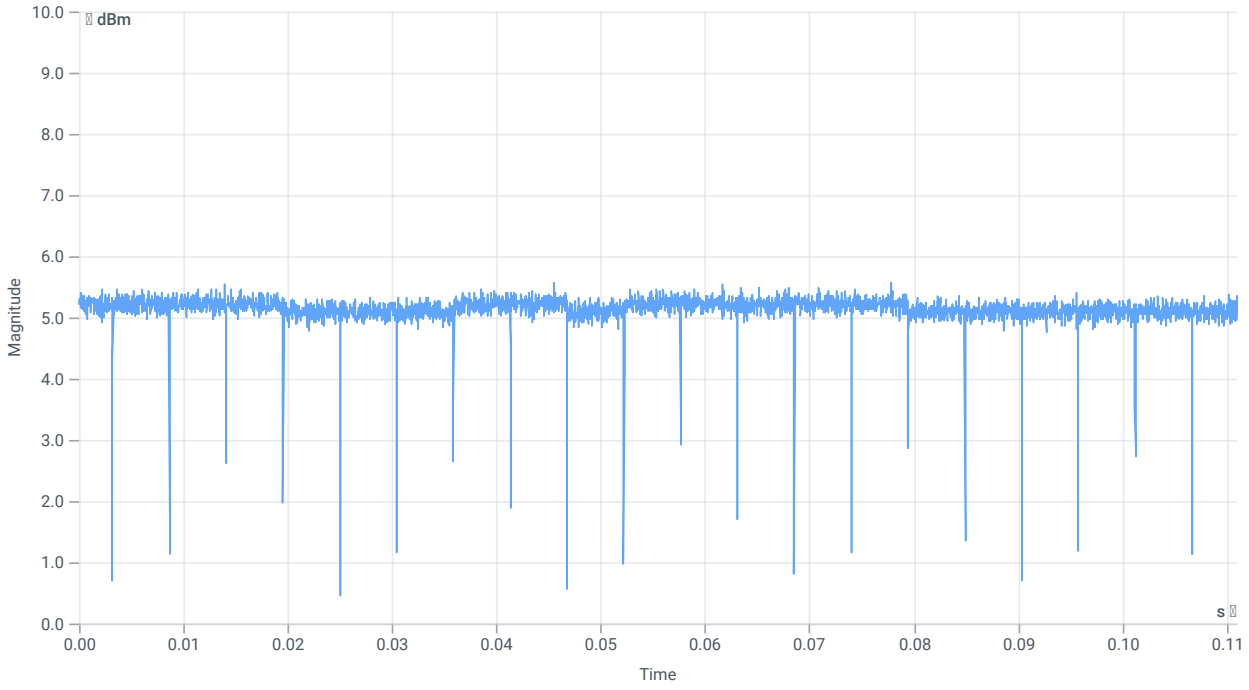
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.70	dBm	INFO
Ref. frequency	---	---	5266.000	MHz	INFO

Evaluation max. duty cycle

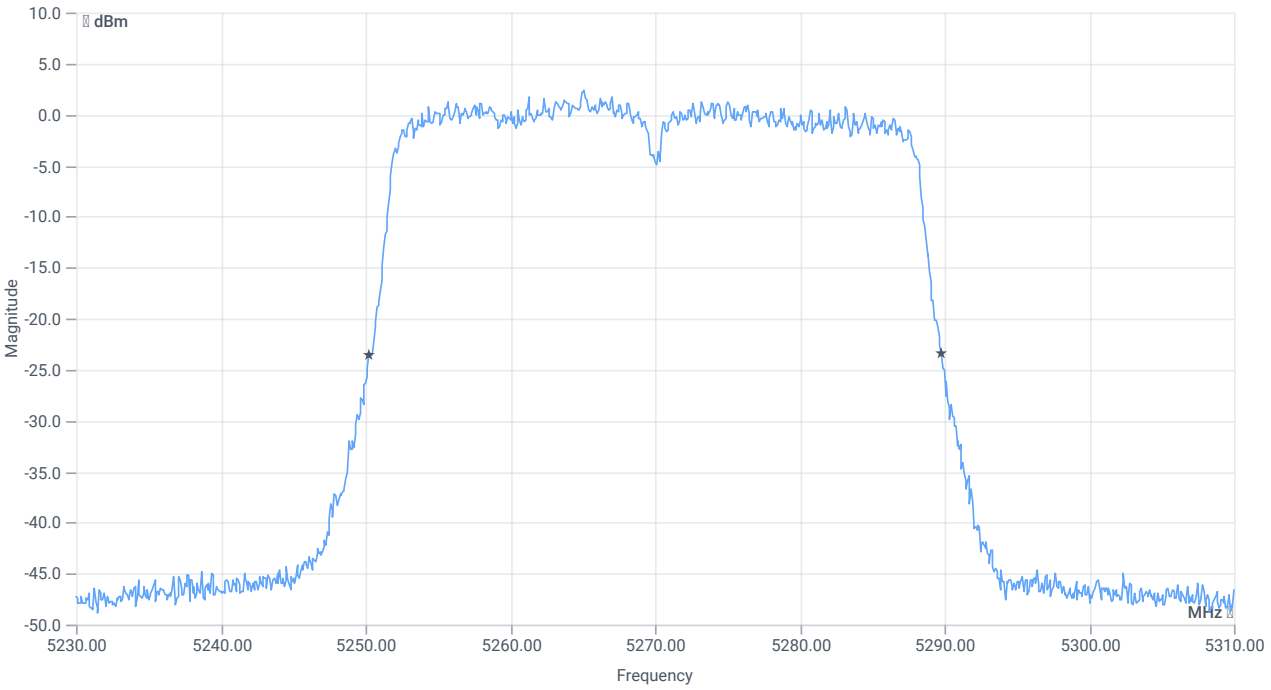
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.52	MHz	INFO
T1 26dB	---	---	5250.2400	MHz	INFO
T2 26dB	---	---	5289.7600	MHz	INFO

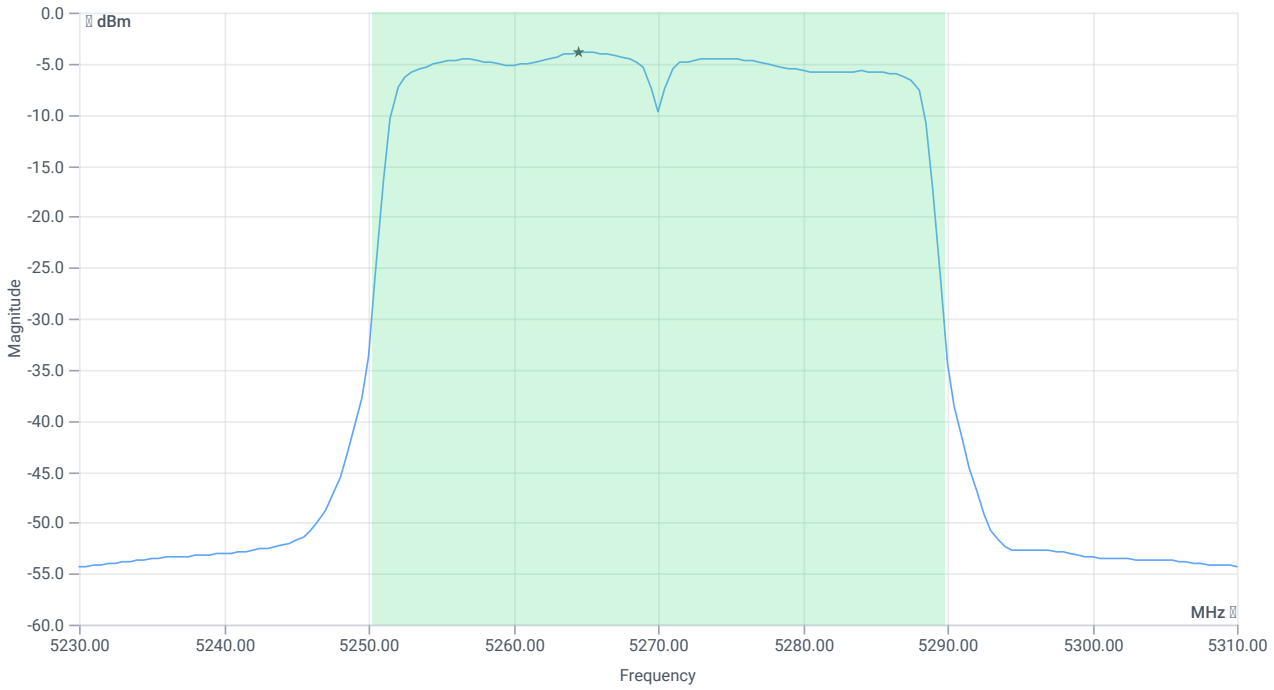
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.70 | 13.38 | 20
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	---	---	10.22	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 39.52					
Max output power DC corrected cond	---	26.97	10.22	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.22	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	---	---	-3.88	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.88	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 16:10:52
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

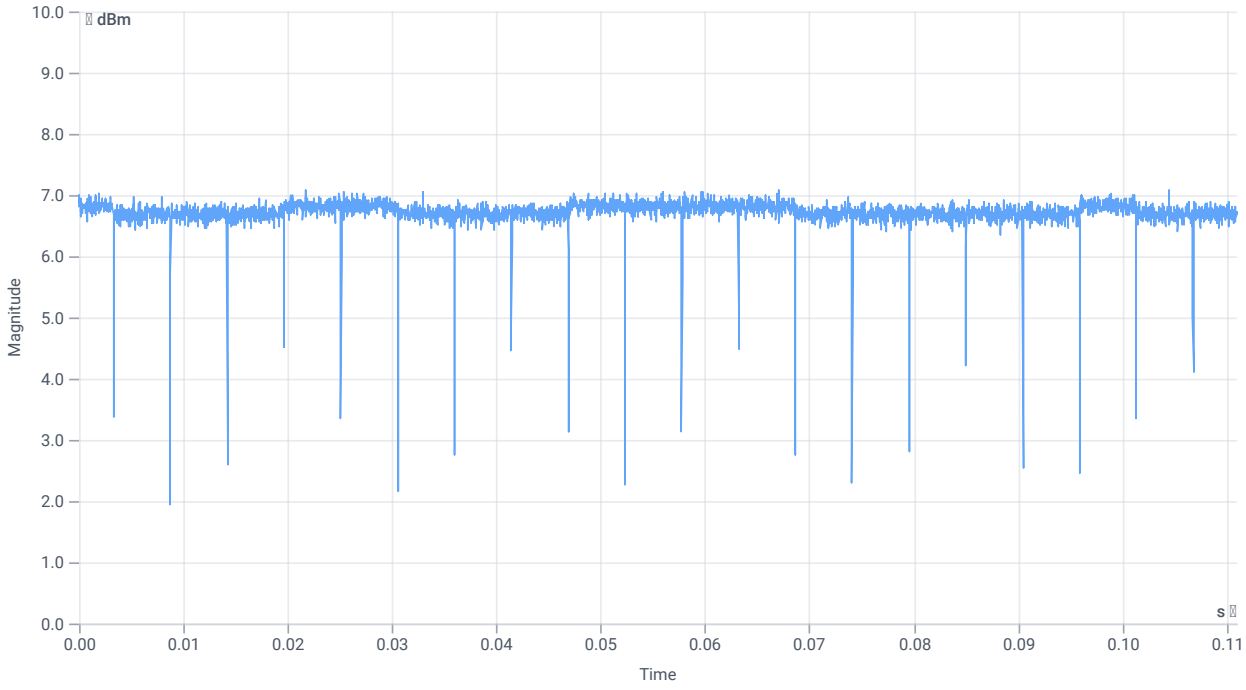
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.49	dBm	INFO
Ref. frequency	---	---	5308.000	MHz	INFO

Evaluation max. duty cycle

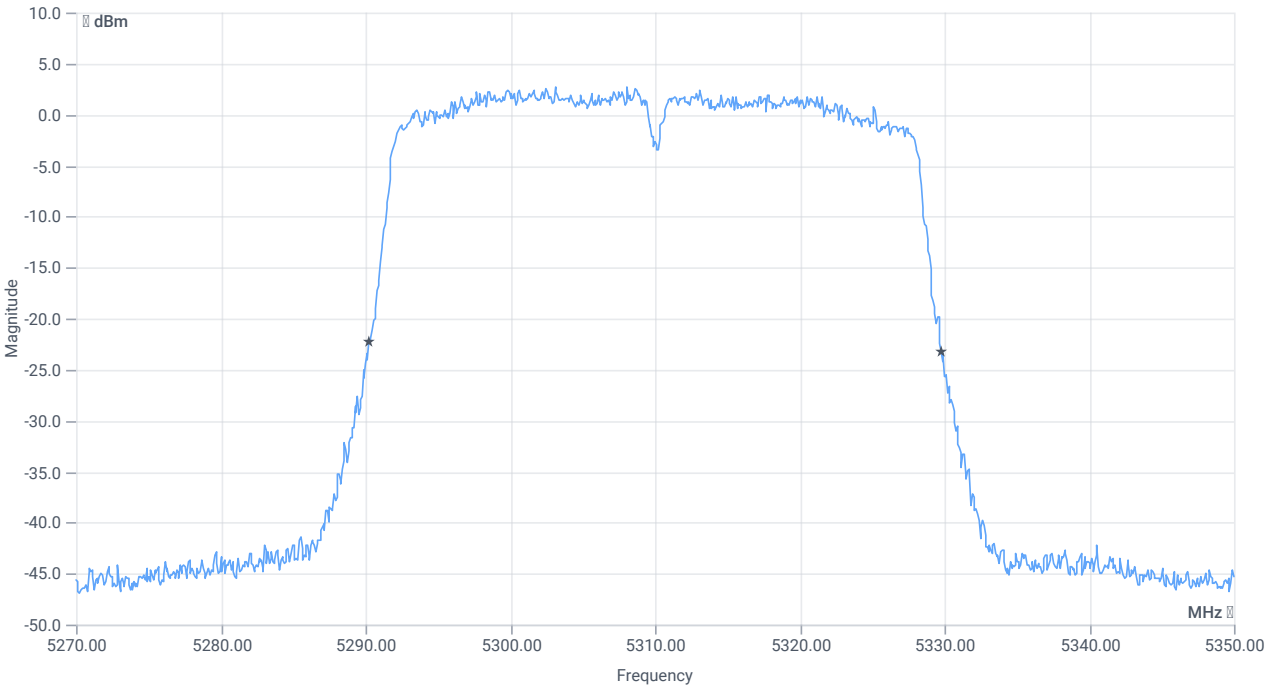
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.52	MHz	INFO
T1 26dB	---	---	5290.2400	MHz	INFO
T2 26dB	---	---	5329.7600	MHz	INFO

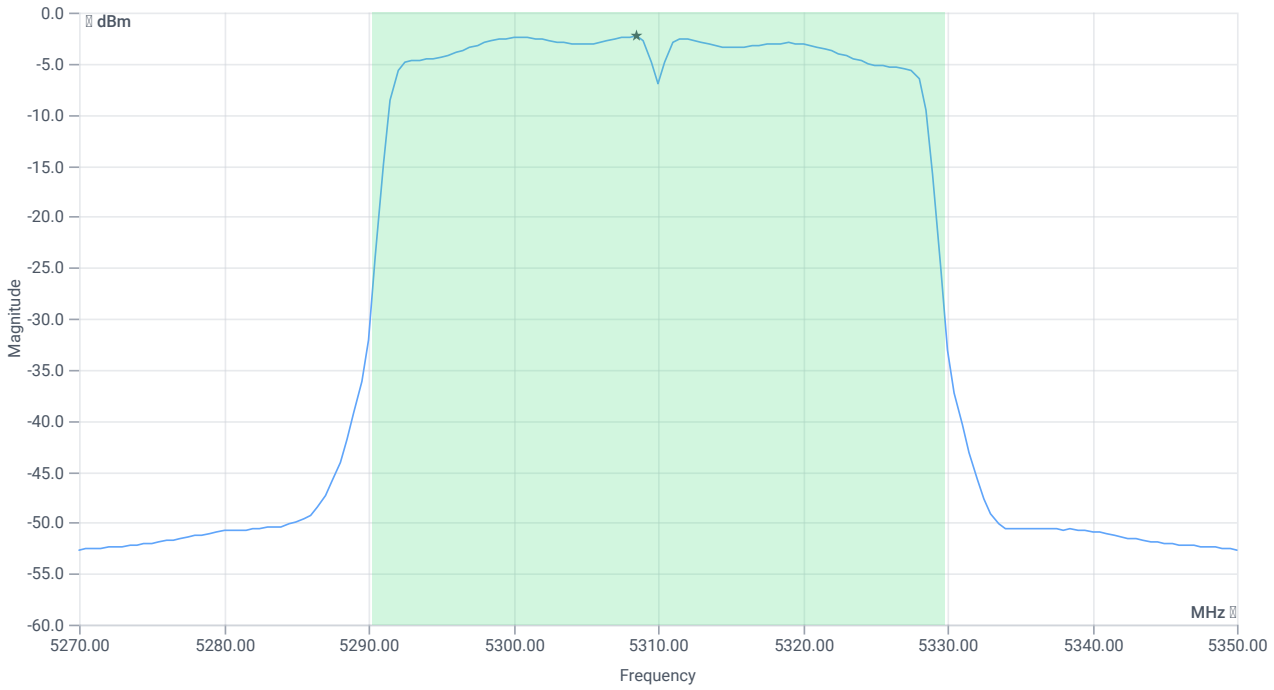
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.49 | 14.31 | 20
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	---	---	11.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.85	dBm	PASS
LIMIT: 11 dBm + 10 log 39.52					
Max output power DC corrected cond	---	26.97	11.85	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.85	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	---	---	-2.34	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.34	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	24.11.2025 16:15:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5270
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5310
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5310 MHz

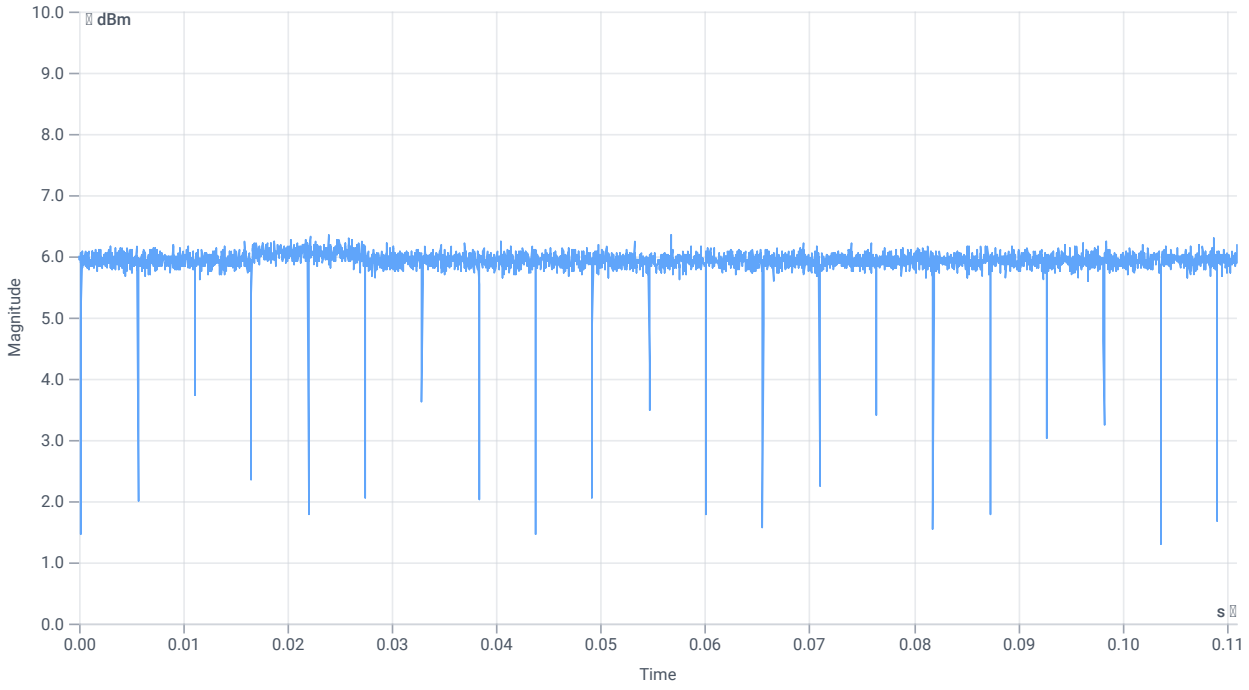
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.67	dBm	INFO
Ref. frequency	---	---	5306.600	MHz	INFO

Evaluation max. duty cycle

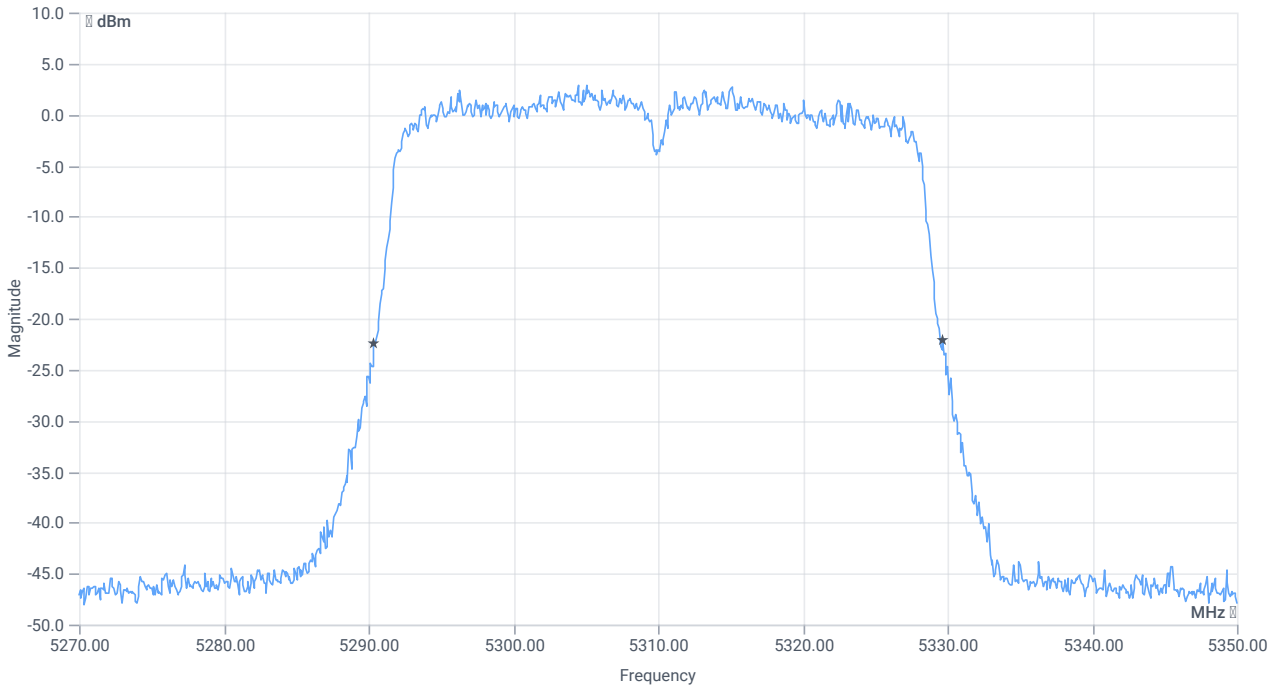
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.28	MHz	INFO
T1 26dB	---	---	5290.4000	MHz	INFO
T2 26dB	---	---	5329.6800	MHz	INFO

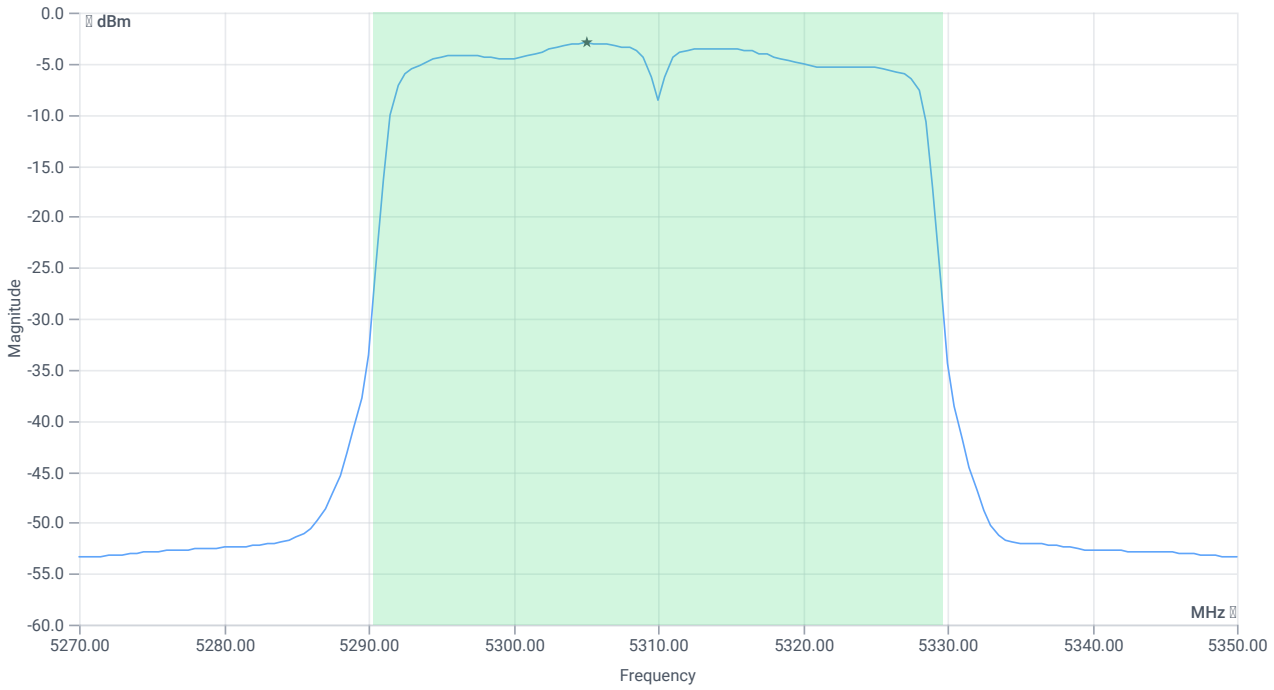
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	0 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.67 | 14.26 | 20
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	---	---	10.94	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.94	dBm	PASS
LIMIT: 11 dBm + 10 log 39.28					
Max output power DC corrected cond	---	26.94	10.94	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.94	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	---	---	-2.99	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.99	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:13:50
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

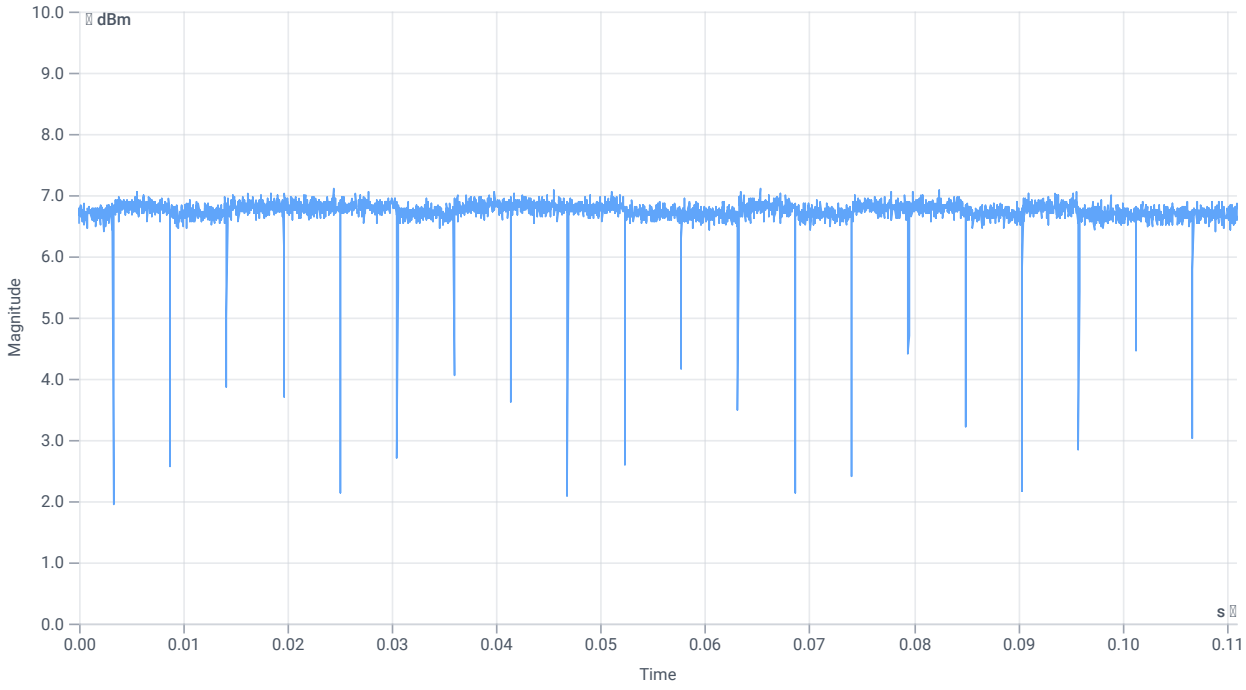
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.30	dBm	INFO
Ref. frequency	---	---	5506.200	MHz	INFO

Evaluation max. duty cycle

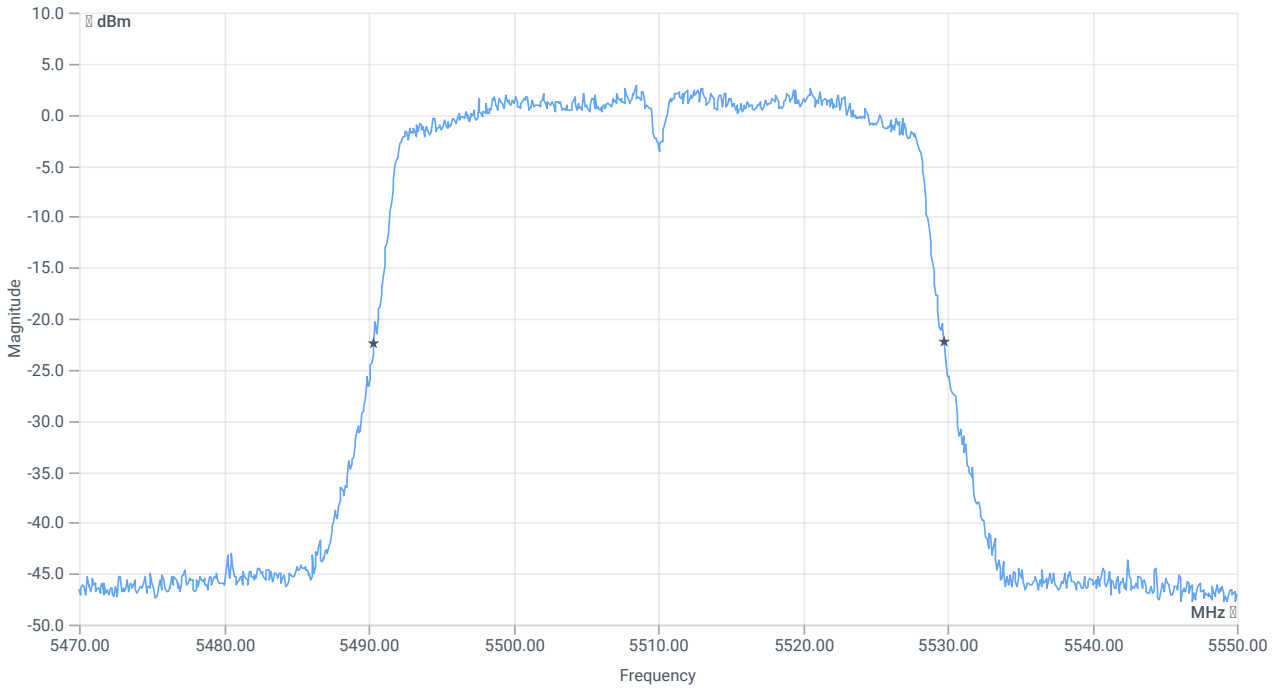
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

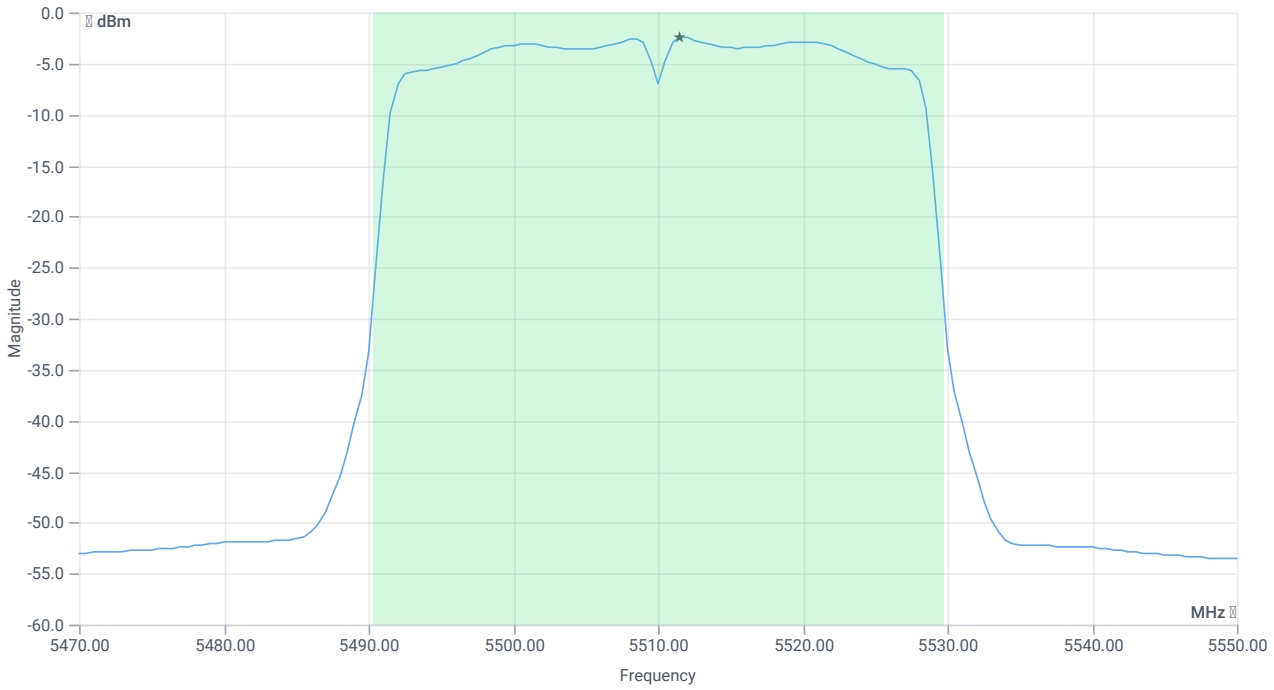
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.36	MHz	INFO
T1 26dB	---	---	5490.4000	MHz	INFO
T2 26dB	---	---	5529.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.30 | 14.34 | 20
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	---	---	11.55	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.55	dBm	PASS
LIMIT: 11 dBm + 10 log 39.36					
Max output power DC corrected cond	---	26.95	11.55	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.55	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	---	---	-2.46	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.46	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:18:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5510 MHz

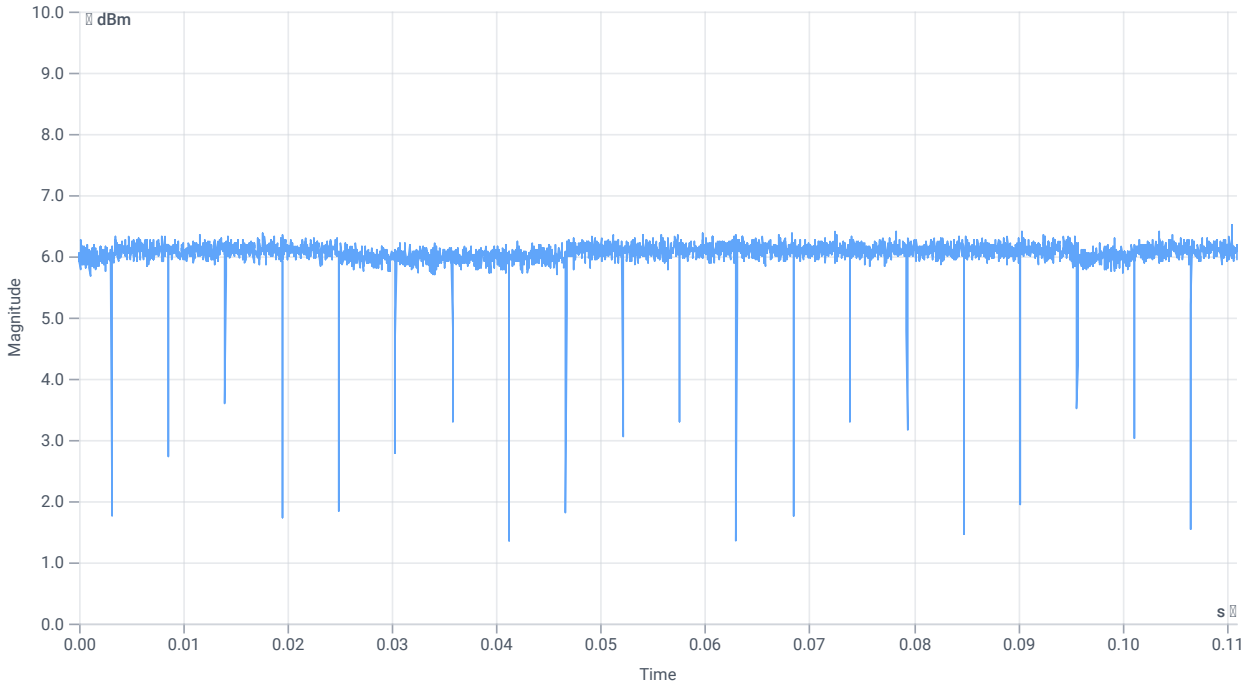
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.64	dBm	INFO
Ref. frequency	---	---	5505.800	MHz	INFO

Evaluation max. duty cycle

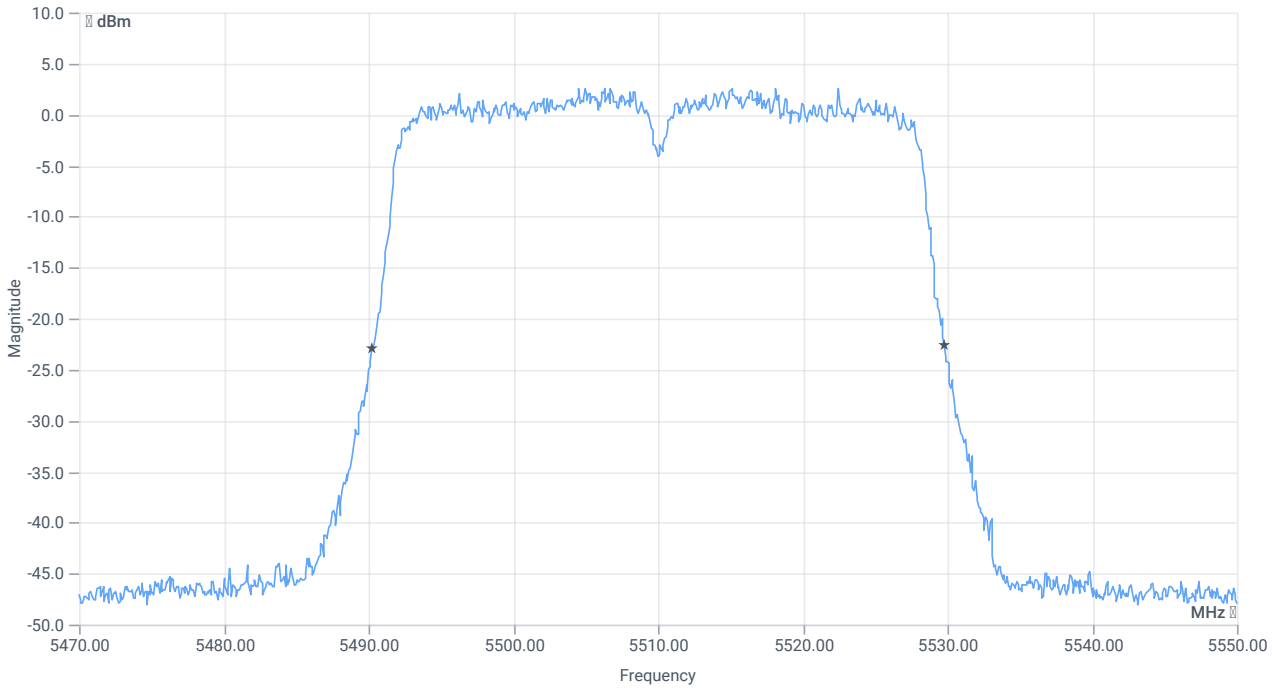
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

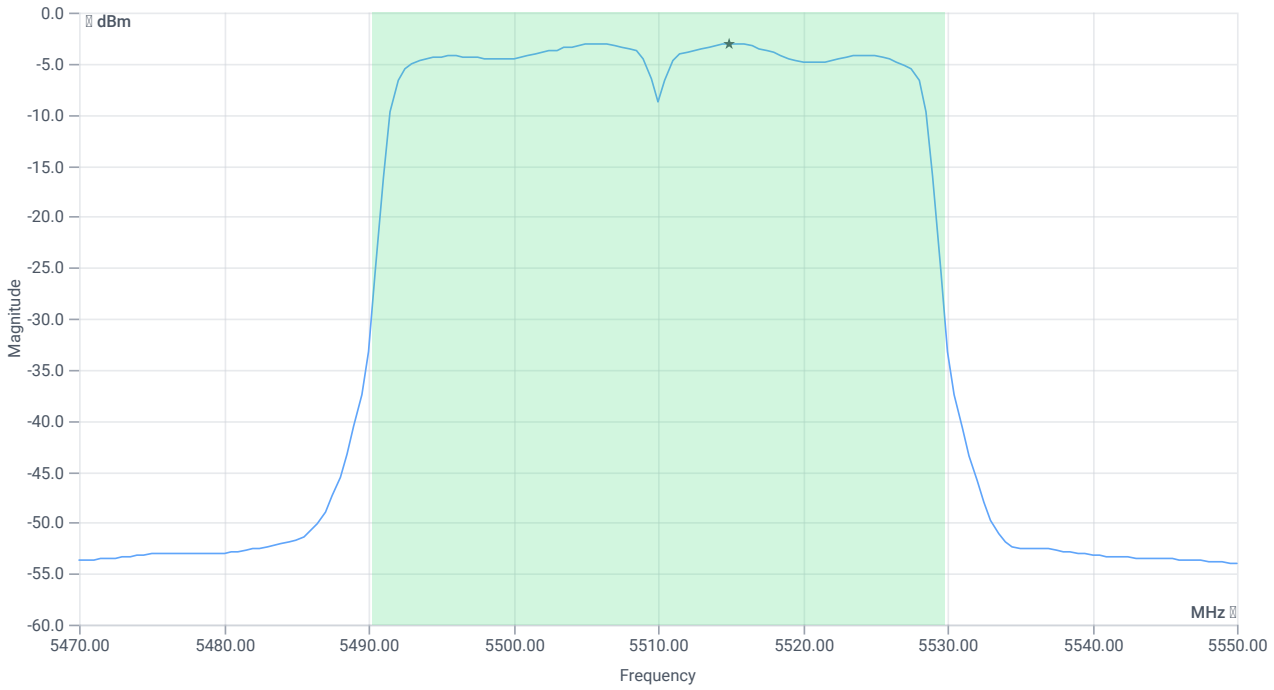
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.52	MHz	INFO
T1 26dB	---	---	5490.2400	MHz	INFO
T2 26dB	---	---	5529.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.64 | 14.08 | 20
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	---	---	11.16	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.16	dBm	PASS
LIMIT: 11 dBm + 10 log 39.52					
Max output power DC corrected cond	---	26.97	11.16	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.16	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	---	---	-3.09	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.09	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:23:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

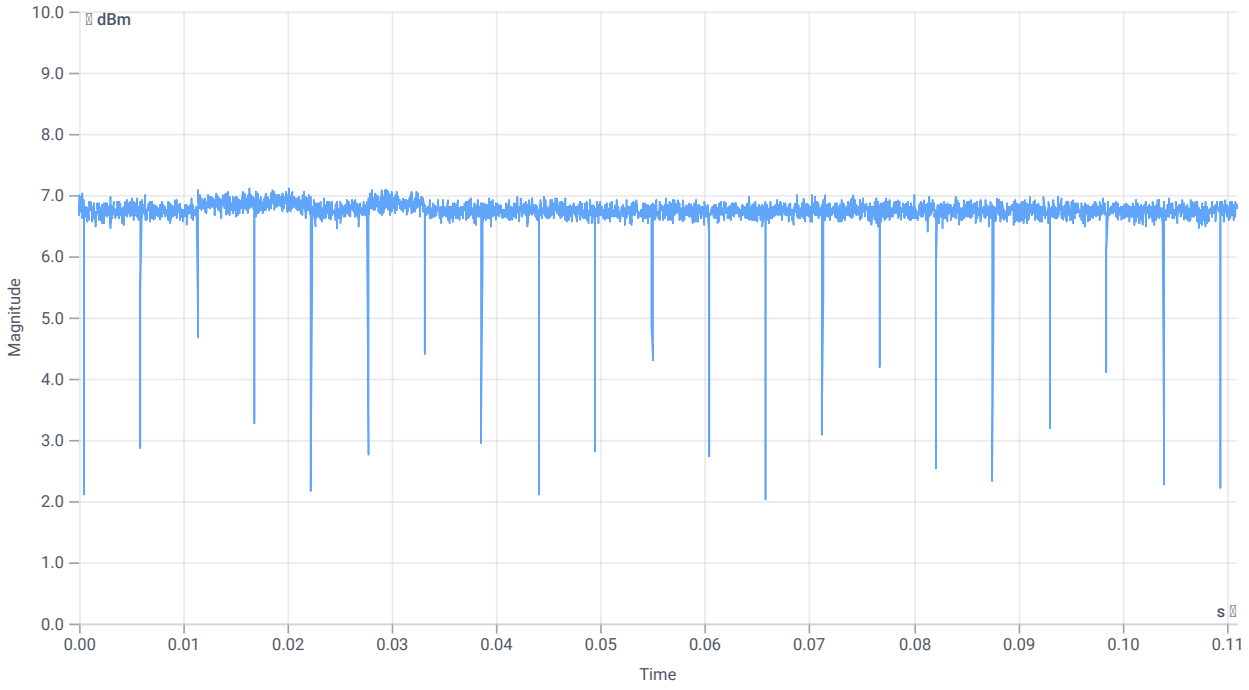
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.23	dBm	INFO
Ref. frequency	---	---	5601.790	MHz	INFO

Evaluation max. duty cycle

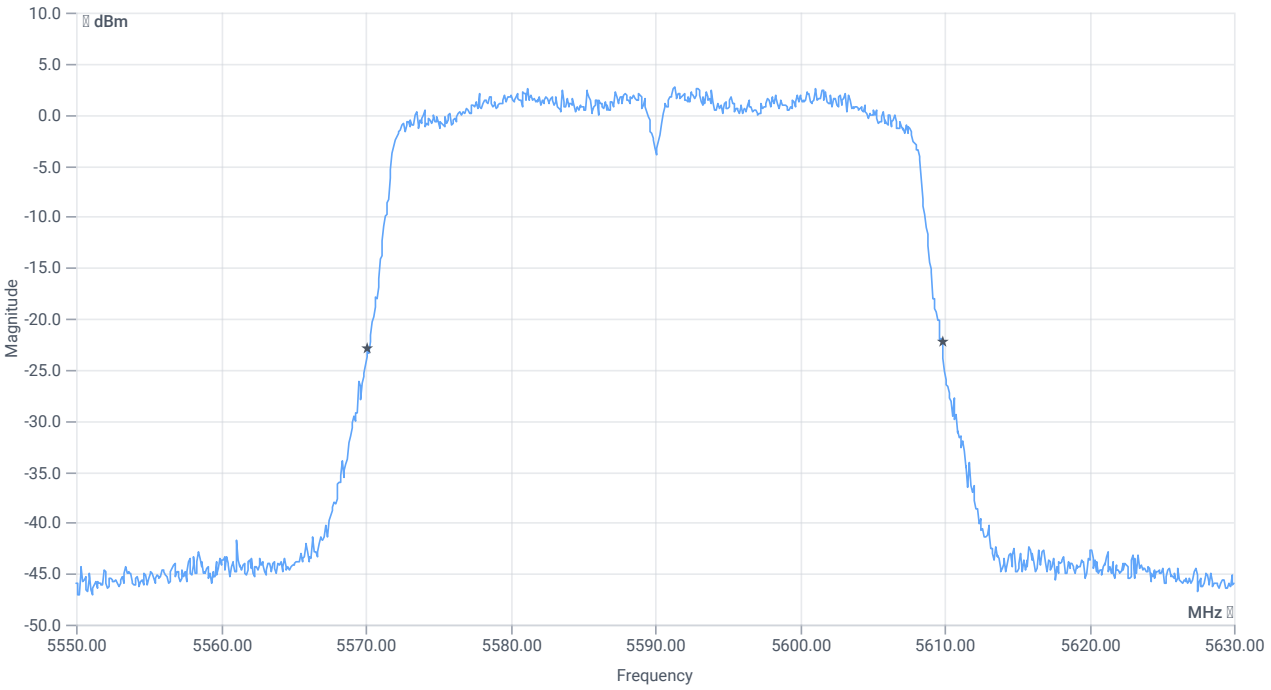
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

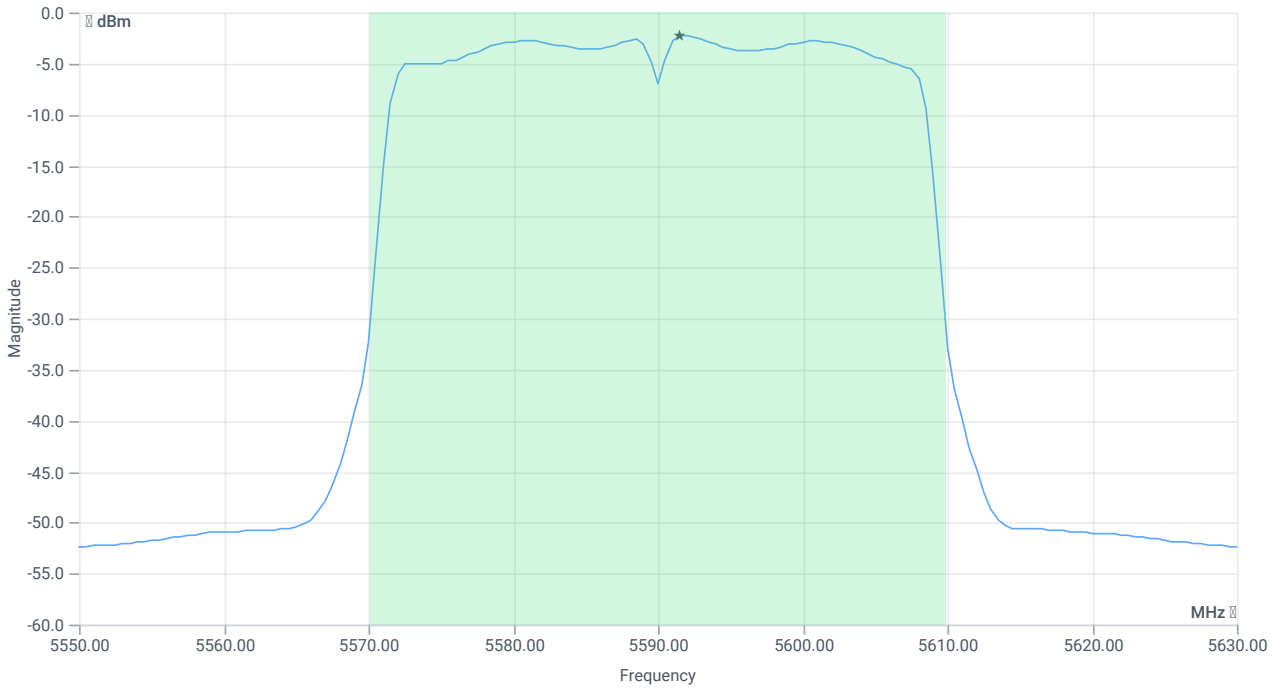
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.68	MHz	INFO
T1 26dB	---	---	5570.1600	MHz	INFO
T2 26dB	---	---	5609.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.23 | 14.96 | 20
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	---	---	11.75	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.75	dBm	PASS
LIMIT: 11 dBm + 10 log 39.68					
Max output power DC corrected cond	---	26.99	11.75	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.75	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	---	---	-2.27	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.27	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:27:57
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	True | Freq [MHz] 5590
Frequency high to test	False | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5590 MHz

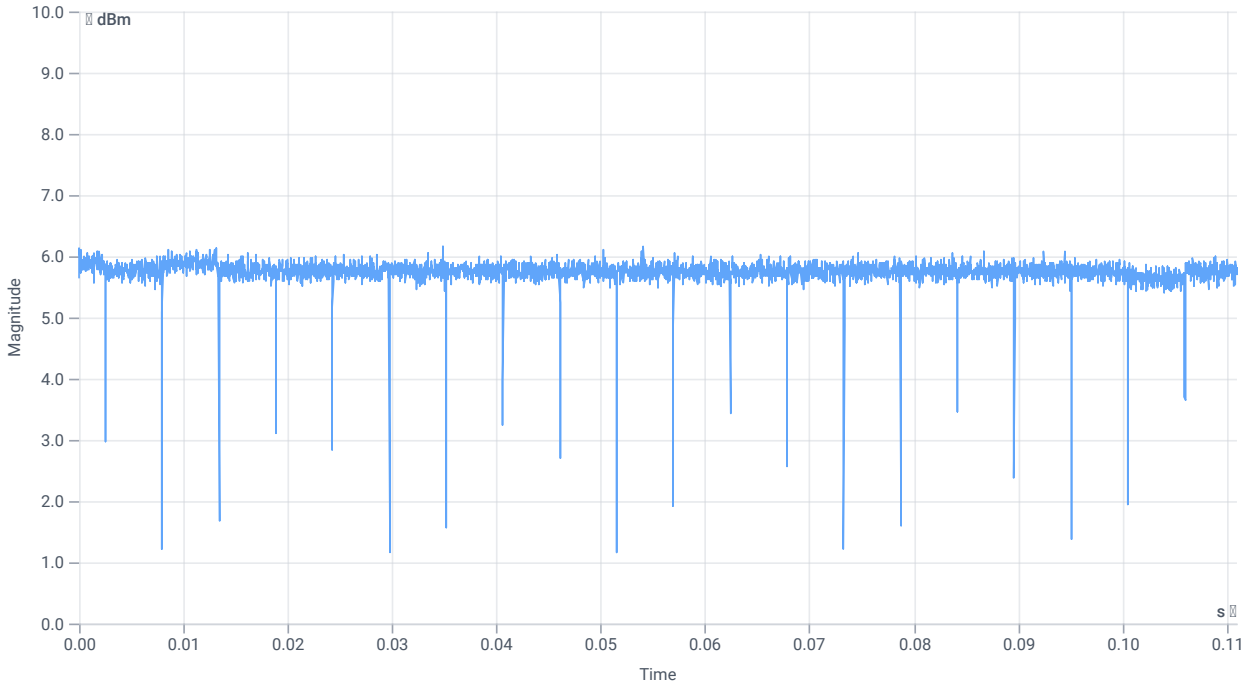
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.91	dBm	INFO
Ref. frequency	---	---	5586.800	MHz	INFO

Evaluation max. duty cycle

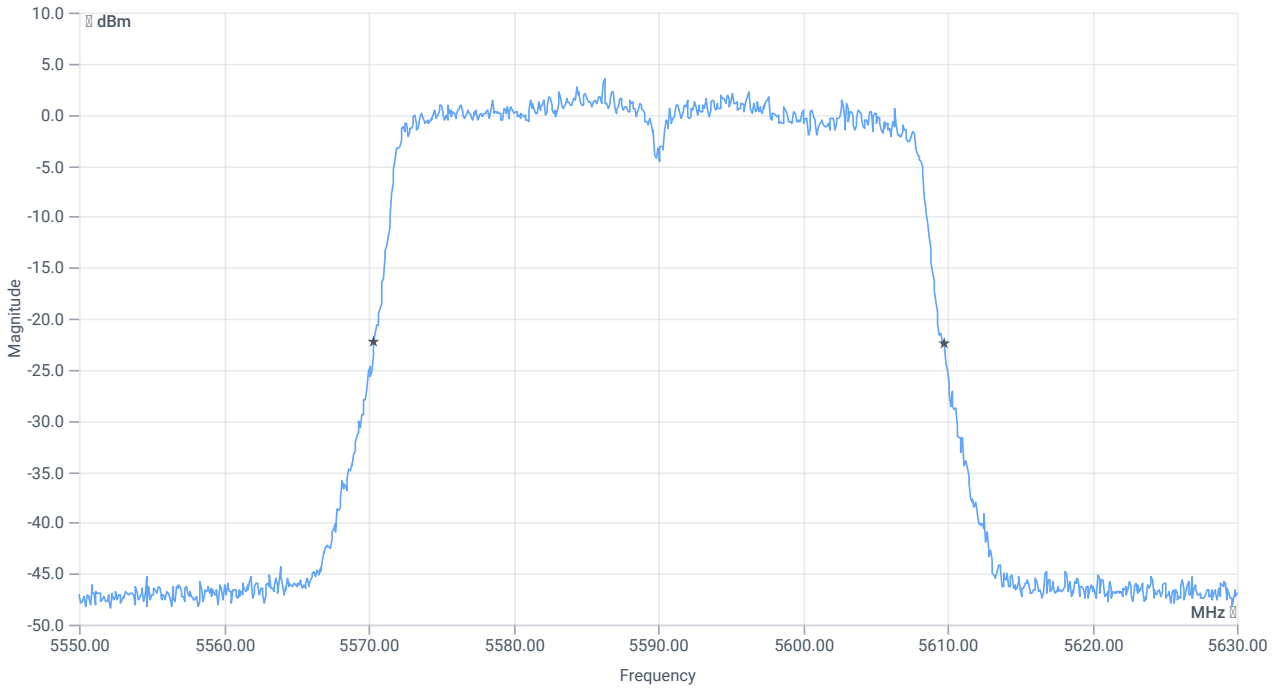
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

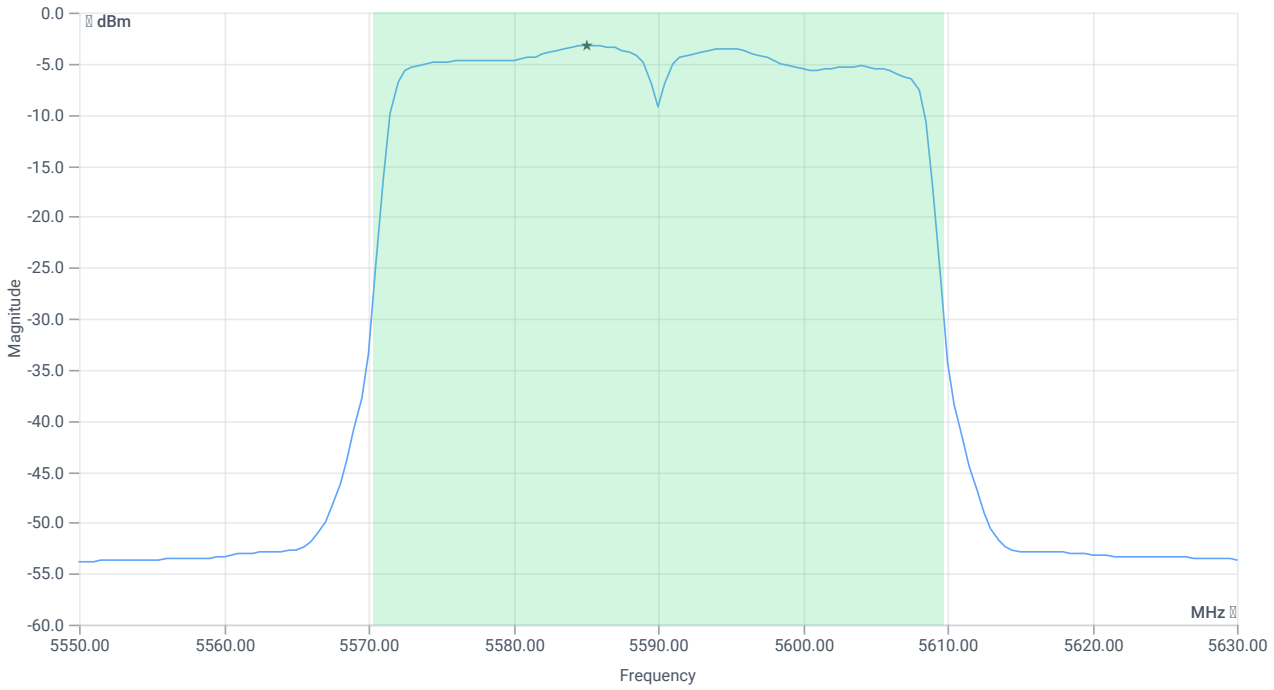
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.36	MHz	INFO
T1 26dB	---	---	5570.4000	MHz	INFO
T2 26dB	---	---	5609.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.91 | 14.16 | 20
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	---	---	10.69	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.69	dBm	PASS
LIMIT: 11 dBm + 10 log 39.36					
Max output power DC corrected cond	---	26.95	10.69	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.69	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.22	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.22	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:41:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5670 MHz

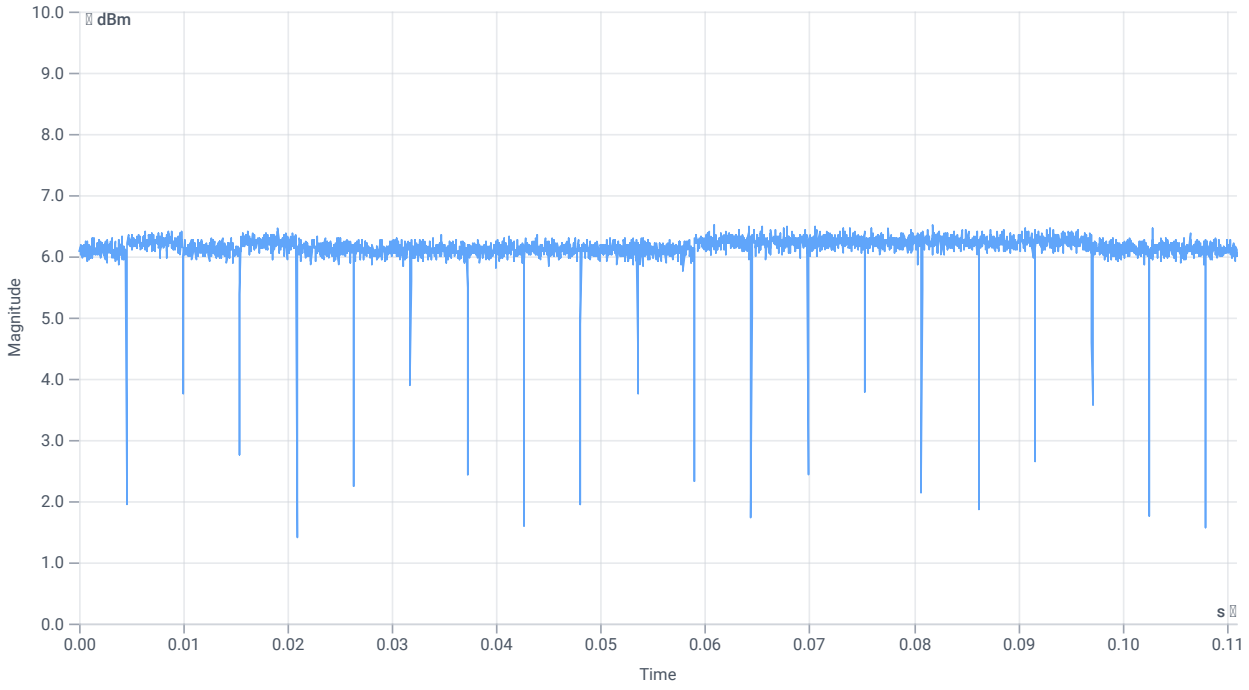
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.24	dBm	INFO
Ref. frequency	---	---	5673.600	MHz	INFO

Evaluation max. duty cycle

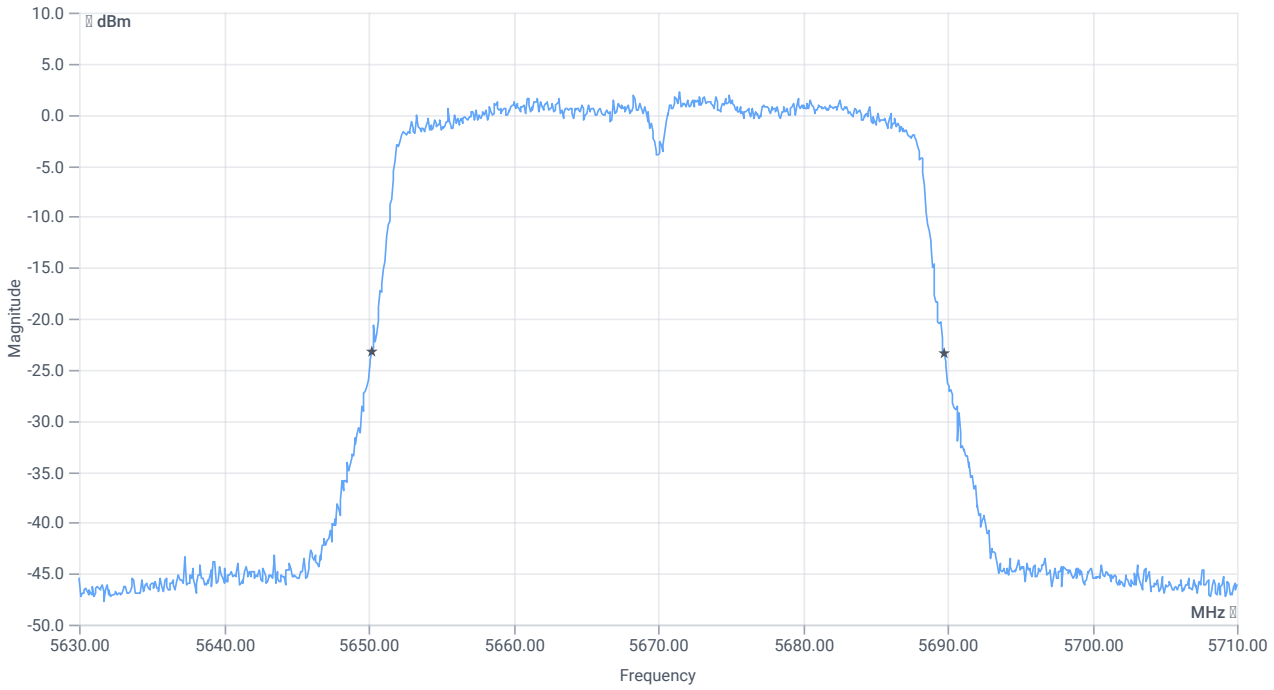
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

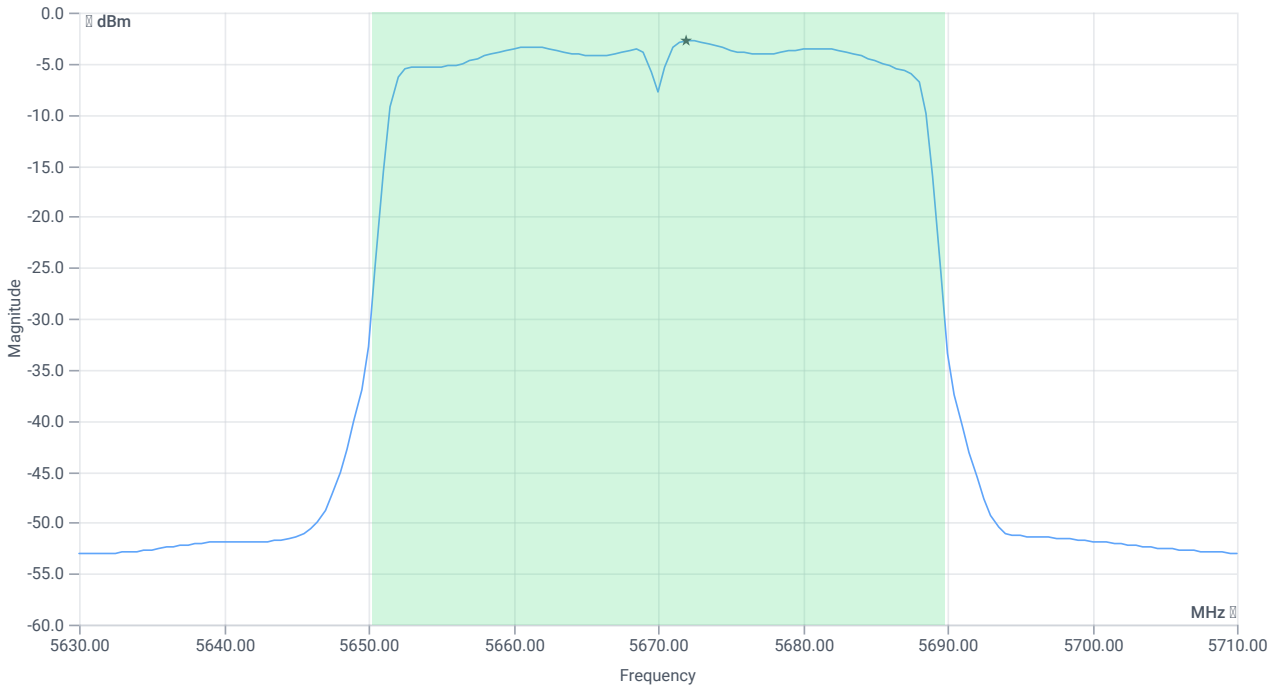
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.52	MHz	INFO
T1 26dB	---	---	5650.2400	MHz	INFO
T2 26dB	---	---	5689.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.24 | 14.22 | 20
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	---	---	11.2	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.2	dBm	PASS
LIMIT: 11 dBm + 10 log 39.52					
Max output power DC corrected cond	---	26.97	11.2	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	11.2	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	---	---	-2.82	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-2.82	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	25.11.2025 08:45:19
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5510
Frequency mid to test	False | Freq [MHz] 5590
Frequency high to test	True | Freq [MHz] 5670
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5670 MHz

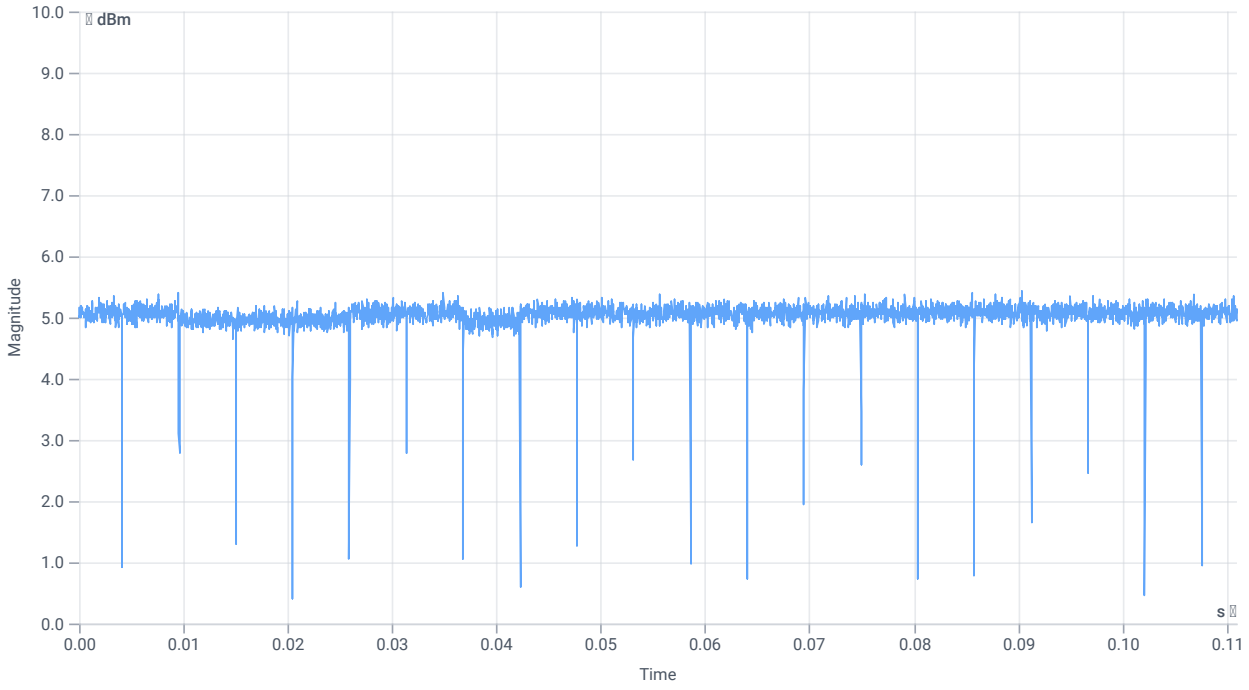
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.82	dBm	INFO
Ref. frequency	---	---	5664.810	MHz	INFO

Evaluation max. duty cycle

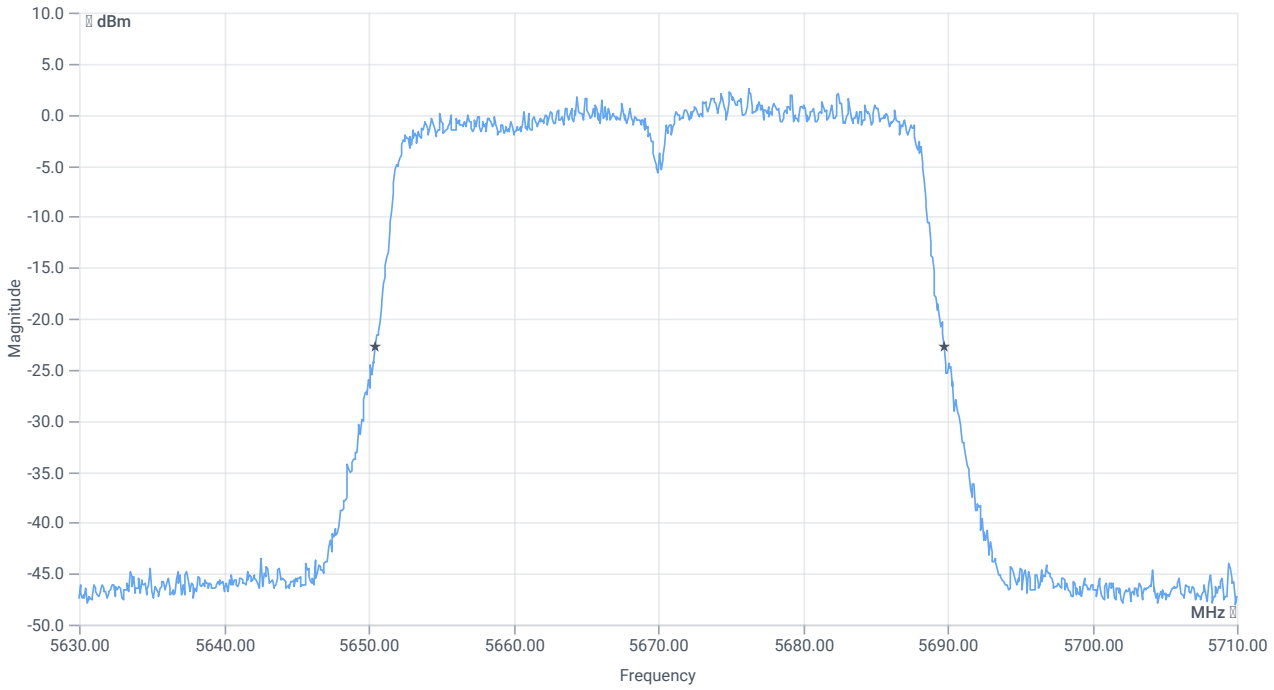
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

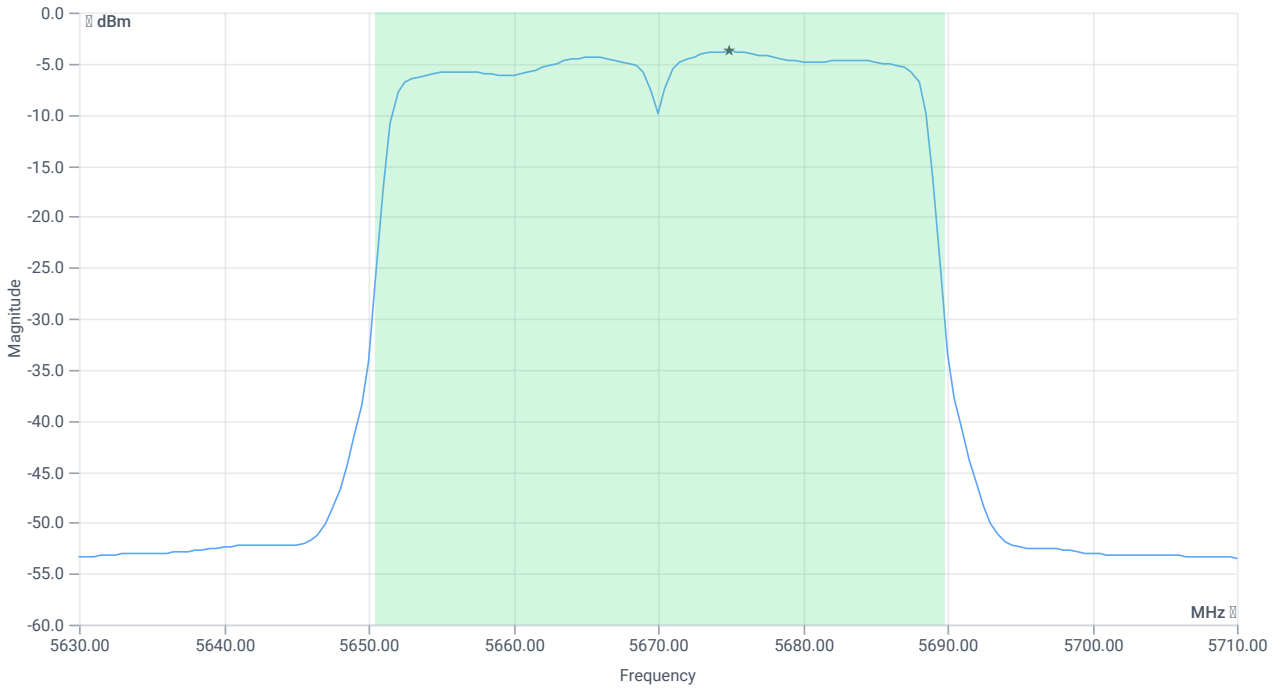
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.28	MHz	INFO
T1 26dB	---	---	5650.4800	MHz	INFO
T2 26dB	---	---	5689.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.82 | 13.99 | 20
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	---	---	10.23	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 39.28					
Max output power DC corrected cond	---	26.94	10.23	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	10.23	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	---	---	-3.79	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Power spectral density DC corrected cond	---	11	-3.79	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:16:05
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

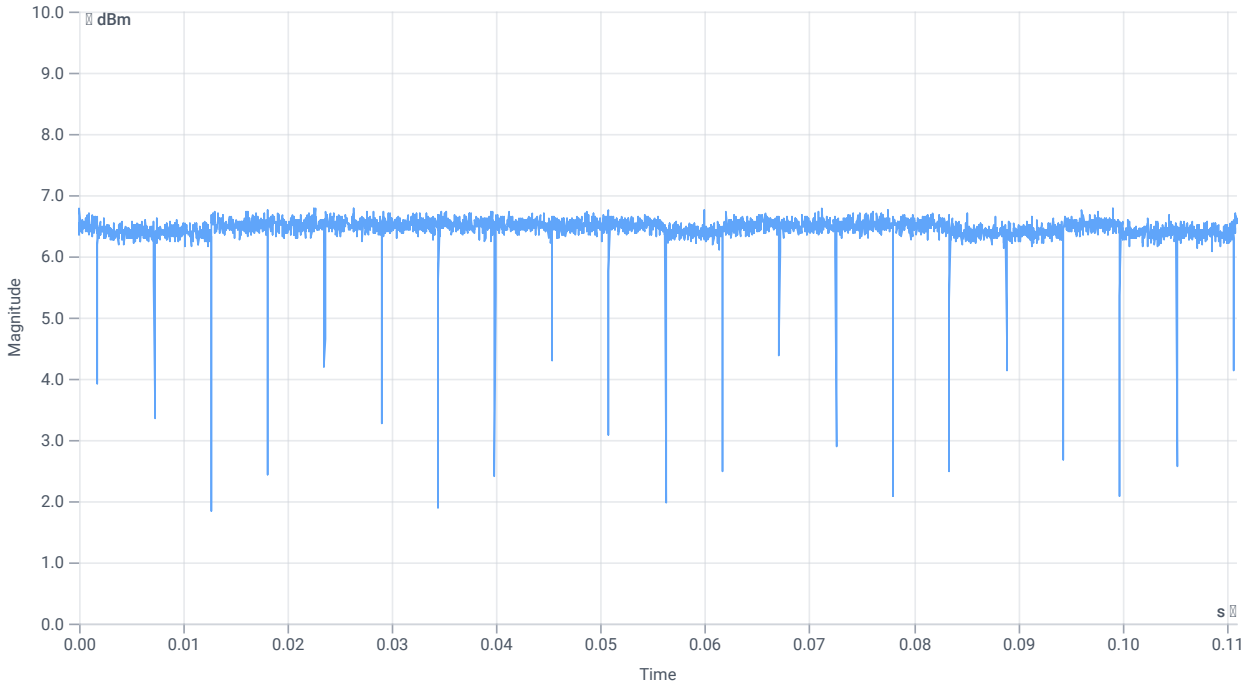
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.96	dBm	INFO
Ref. frequency	---	---	5199.190	MHz	INFO

Evaluation max. duty cycle

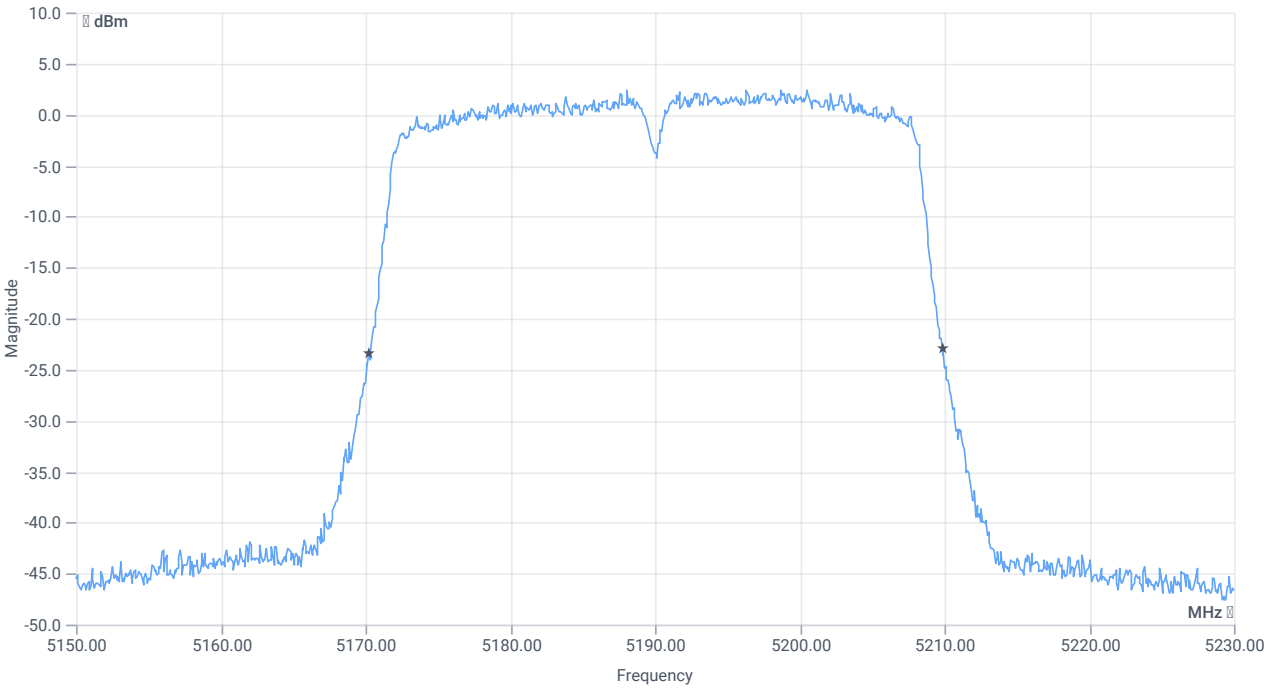
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

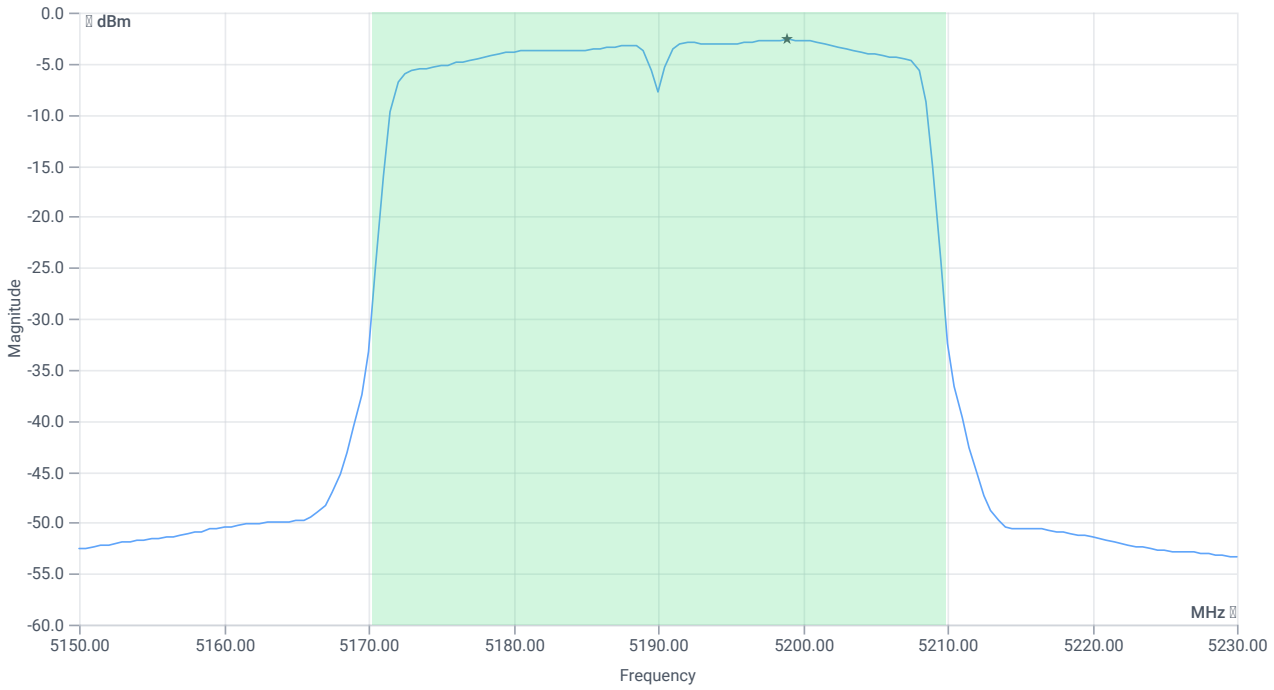
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.68	MHz	INFO
T1 26dB	---	---	5170.2400	MHz	INFO
T2 26dB	---	---	5209.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.96 | 14.16 | 20
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	---	---	11.56	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	11.56	dBm	PASS
LIMIT: 11 dBm + 10 log 39.68					
Max output power DC corrected cond	---	26.99	11.56	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.65	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-2.65	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:20:29
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	False | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5190 MHz

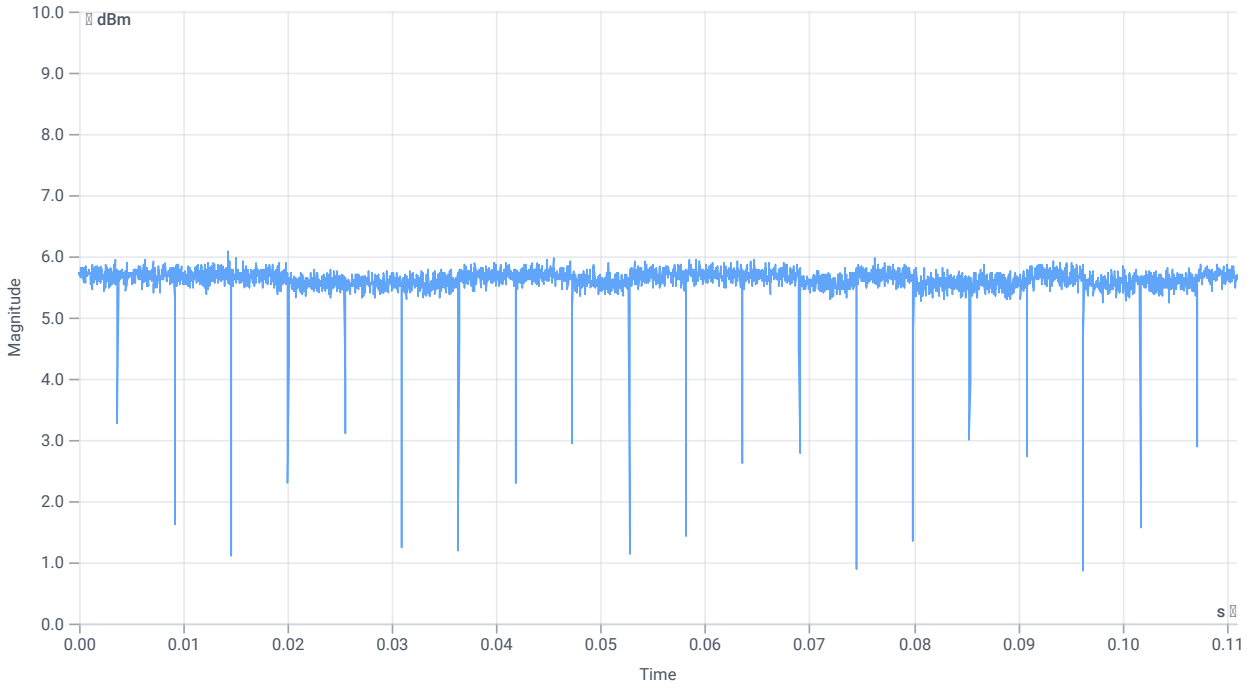
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.83	dBm	INFO
Ref. frequency	---	---	5186.600	MHz	INFO

Evaluation max. duty cycle

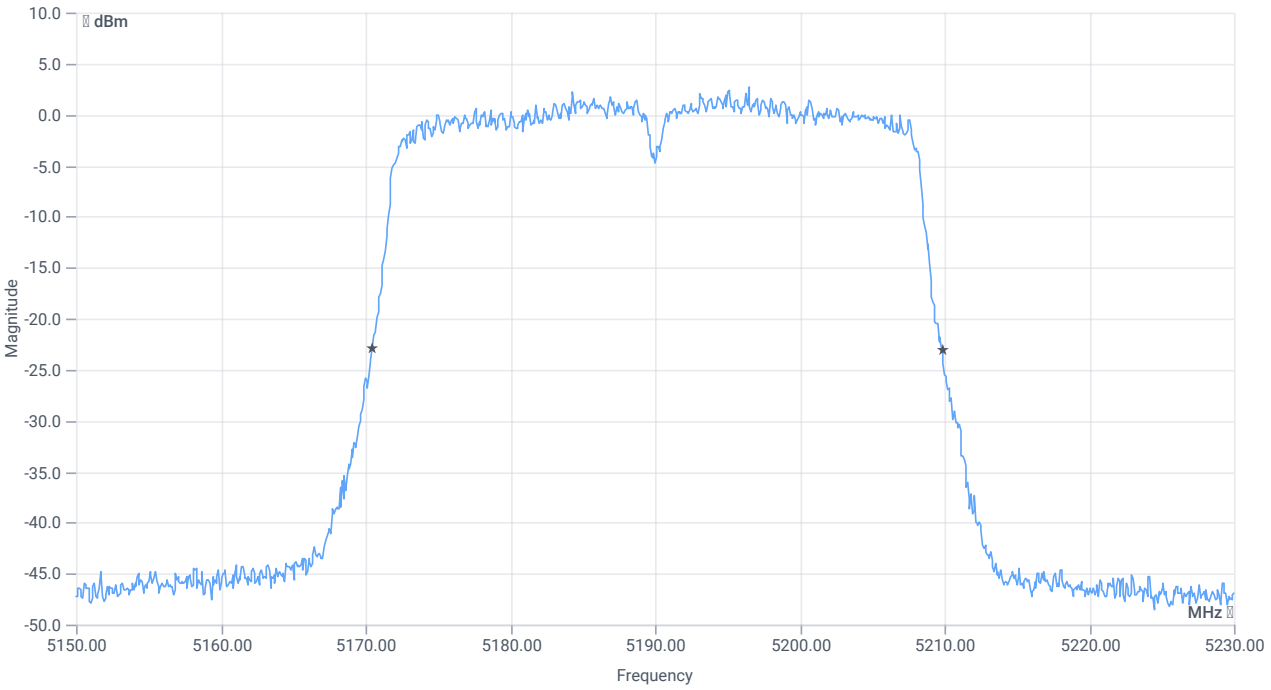
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

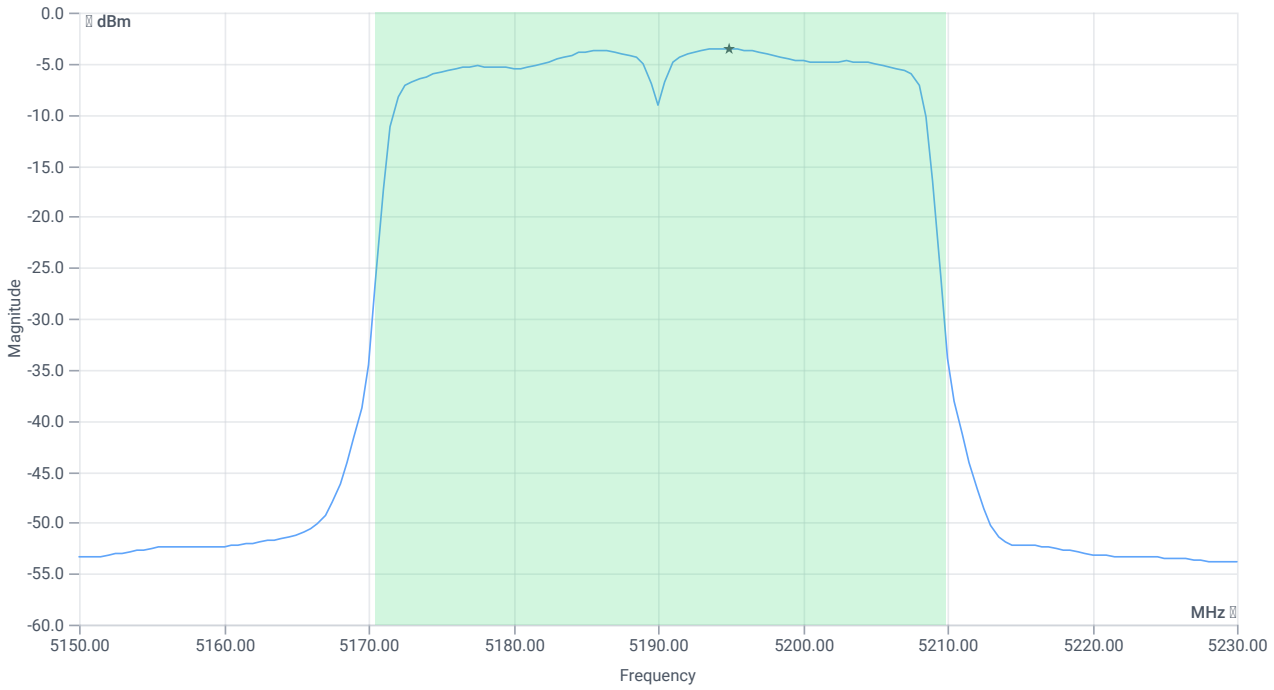
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.36	MHz	INFO
T1 26dB	---	---	5170.4800	MHz	INFO
T2 26dB	---	---	5209.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.83 | 14.04 | 20
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	---	---	10.51	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	10.51	dBm	PASS
LIMIT: 11 dBm + 10 log 39.36					
Max output power DC corrected cond	---	26.95	10.51	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.51	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.51	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:26:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

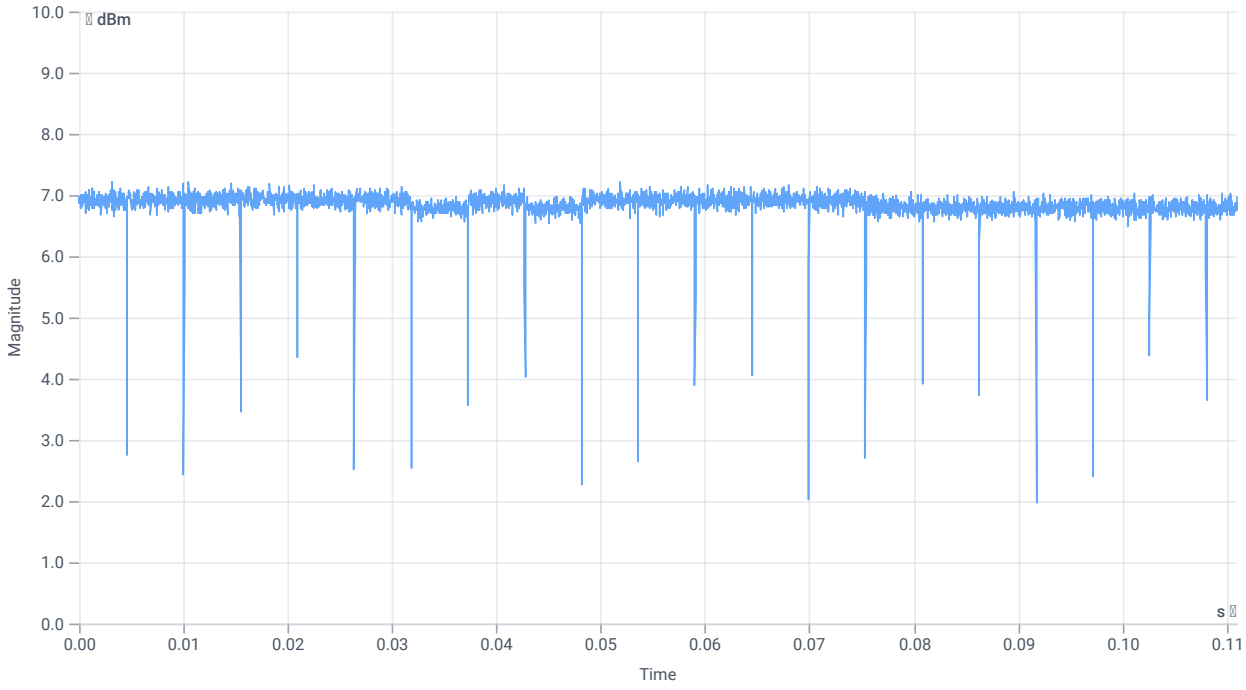
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.76	dBm	INFO
Ref. frequency	---	---	5240.590	MHz	INFO

Evaluation max. duty cycle

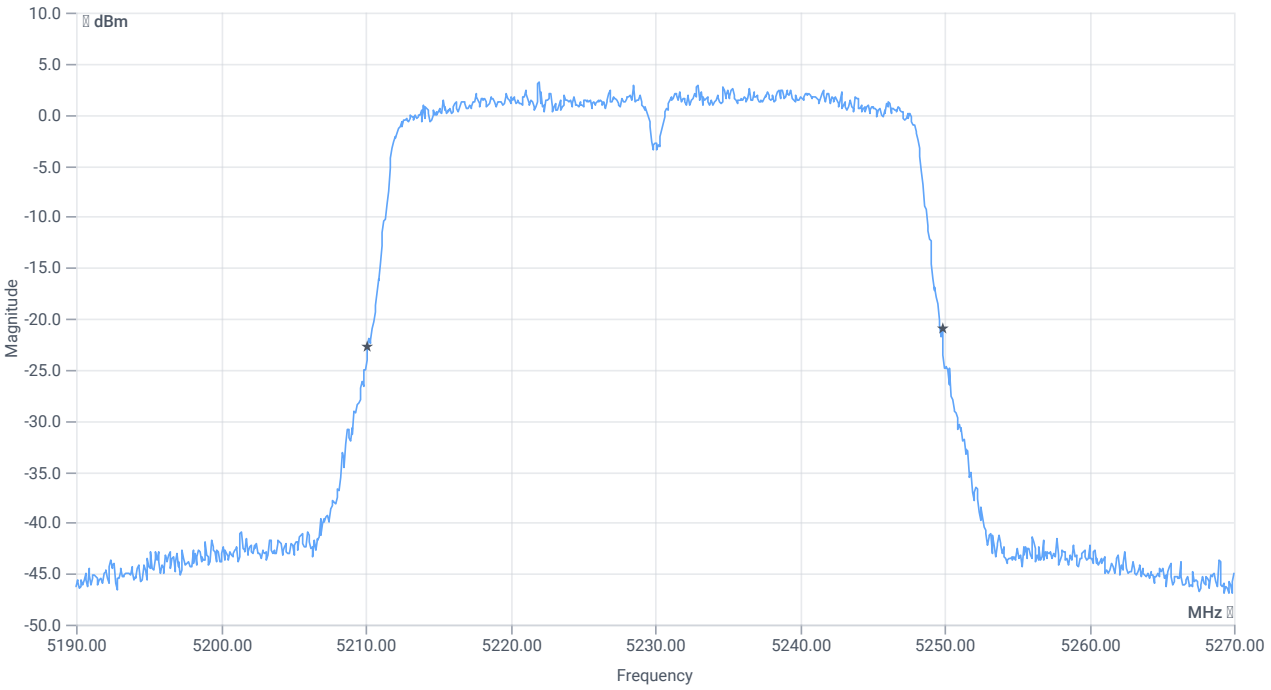
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

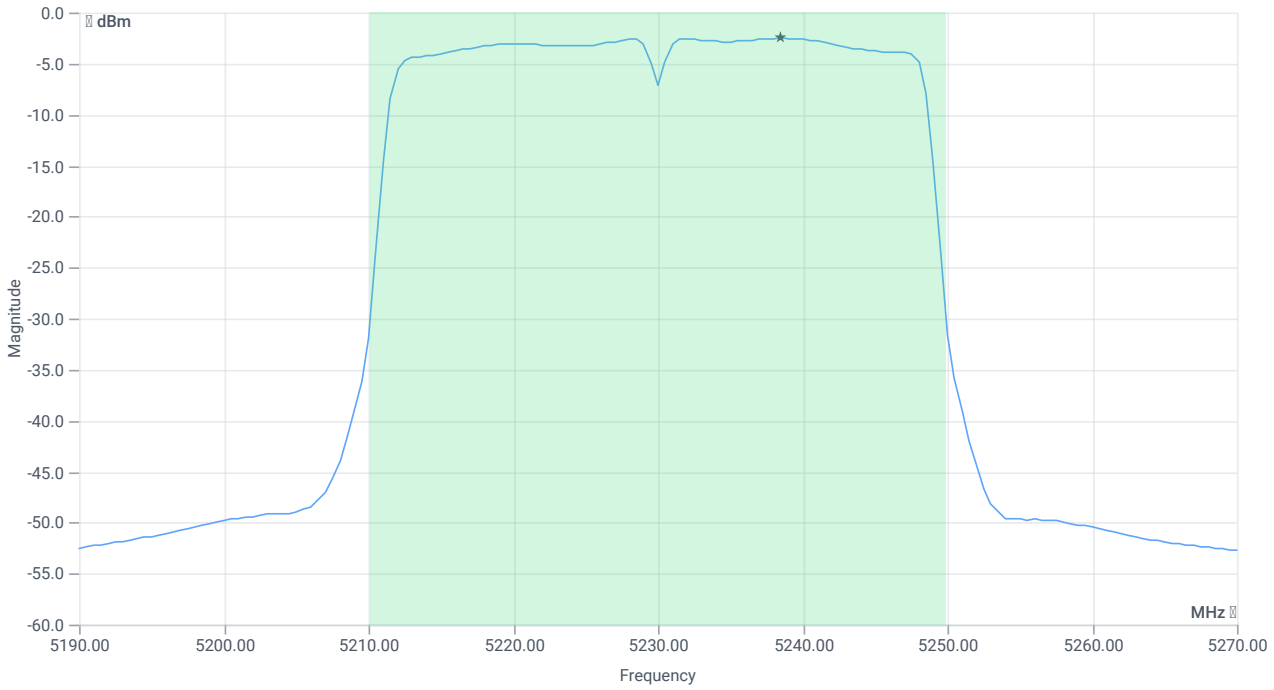
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.68	MHz	INFO
T1 26dB	---	---	5210.1600	MHz	INFO
T2 26dB	---	---	5249.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.76 | 14.38 | 20
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	---	---	12.07	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.07	dBm	PASS
LIMIT: 11 dBm + 10 log 39.68					
Max output power DC corrected cond	---	26.99	12.07	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-2.51	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-2.51	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:30:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5190
Frequency mid to test	False | Freq [MHz] 0
Frequency high to test	True | Freq [MHz] 5230
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5230 MHz

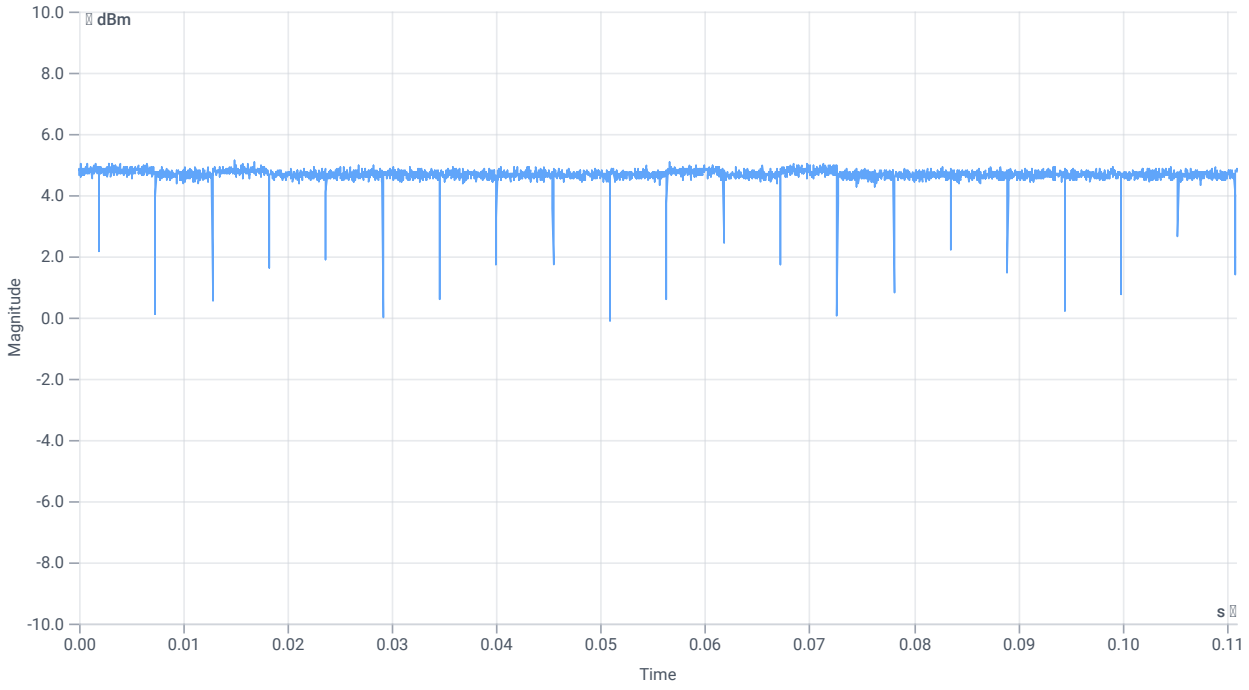
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.98	dBm	INFO
Ref. frequency	---	---	5240.990	MHz	INFO

Evaluation max. duty cycle

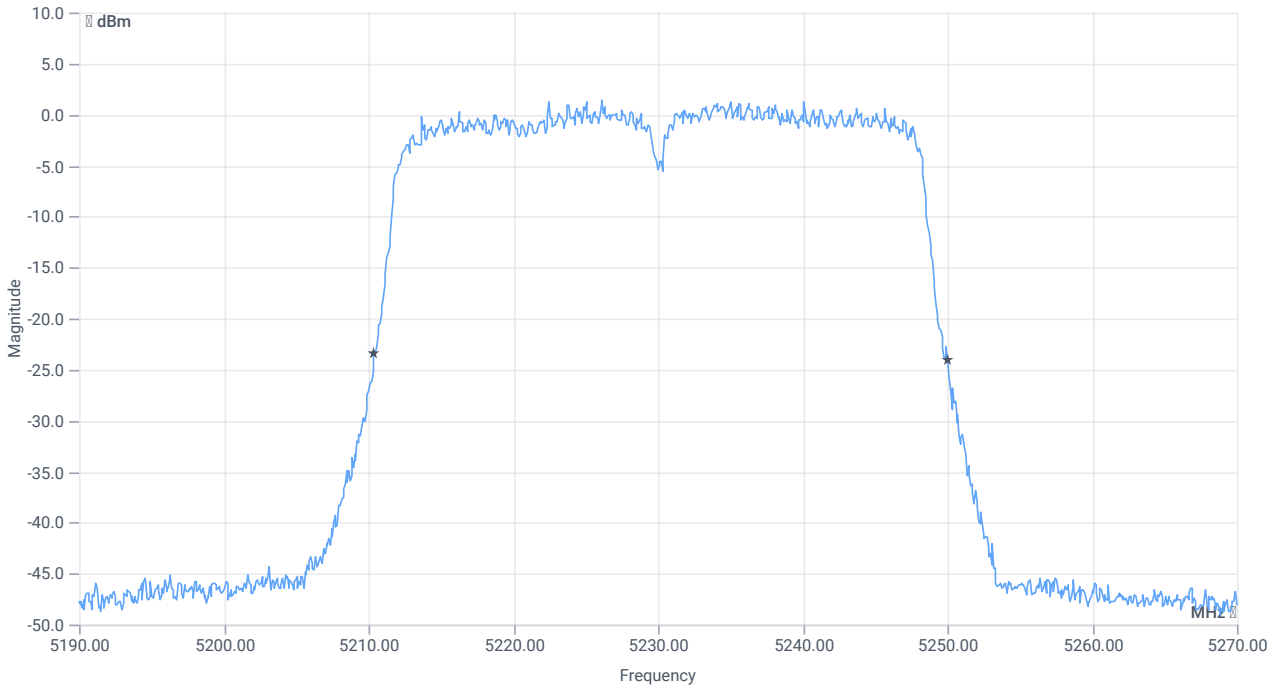
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

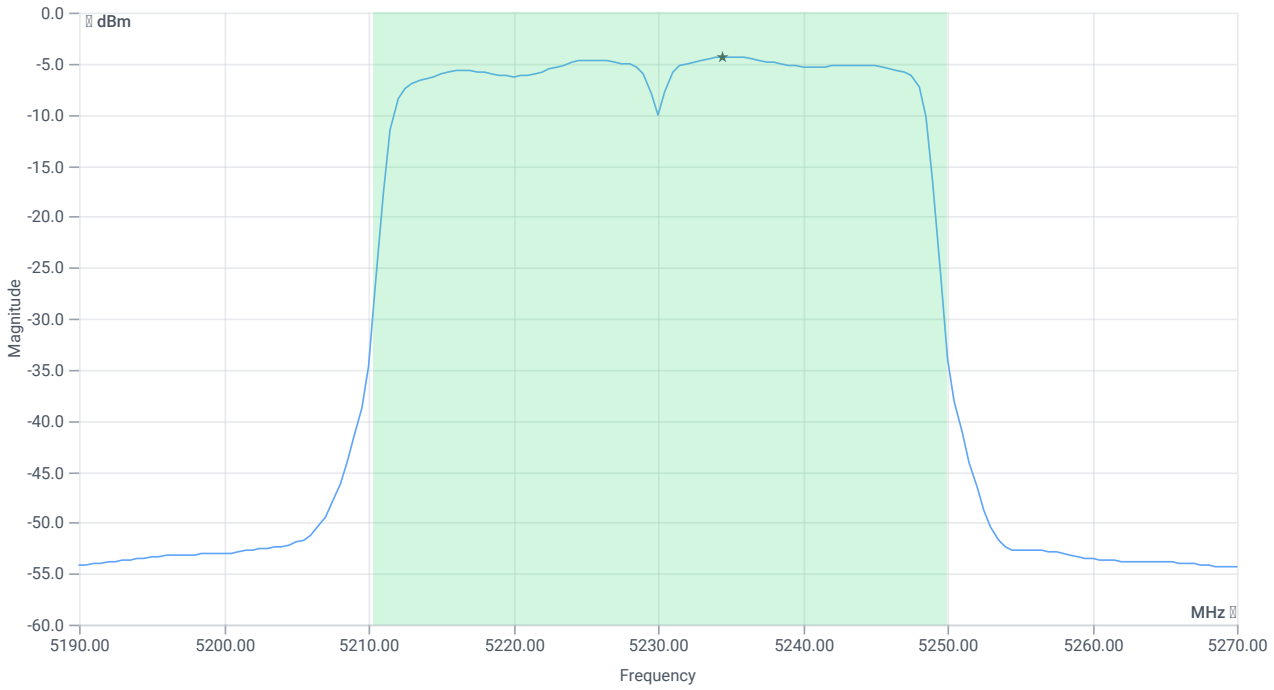
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO
T1 26dB	---	---	5210.4000	MHz	INFO
T2 26dB	---	---	5250.0000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.98 | 13.51 | 20
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	---	---	9.88	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	9.88	dBm	PASS
LIMIT: 11 dBm + 10 log 39.6					
Max output power DC corrected cond	---	26.98	9.88	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.38	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.38	dBm/1MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:35:33
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

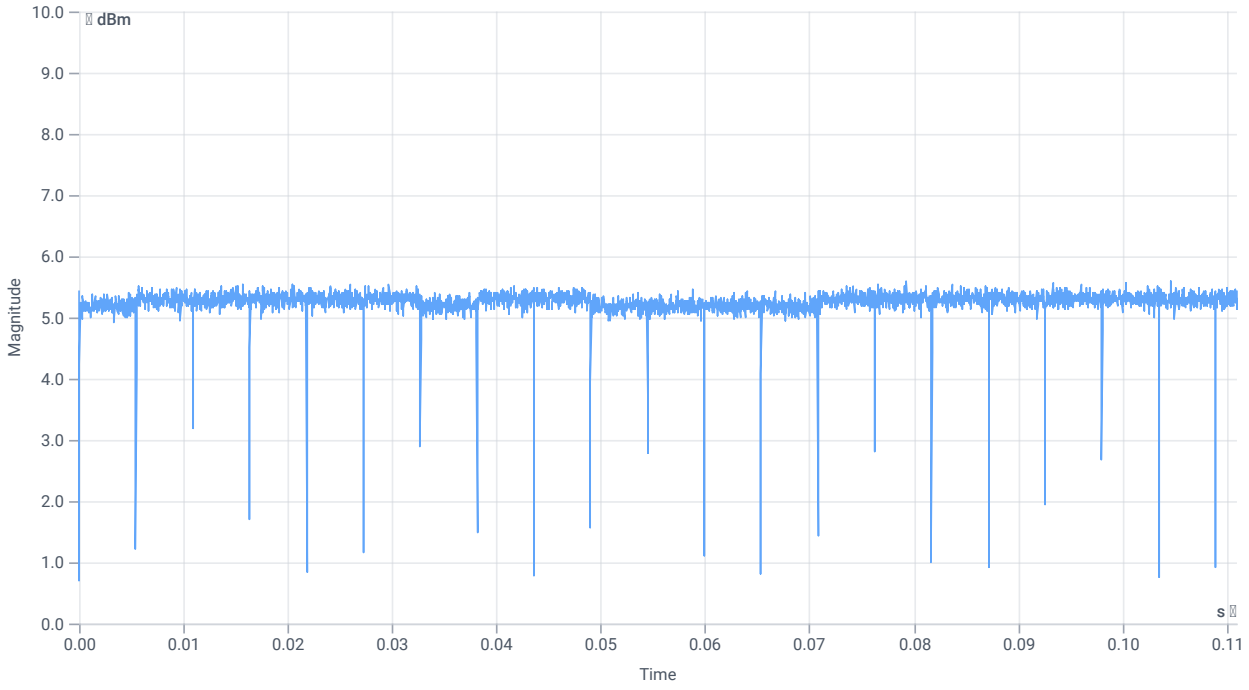
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.75	dBm	INFO
Ref. frequency	---	---	5764.590	MHz	INFO

Evaluation max. duty cycle

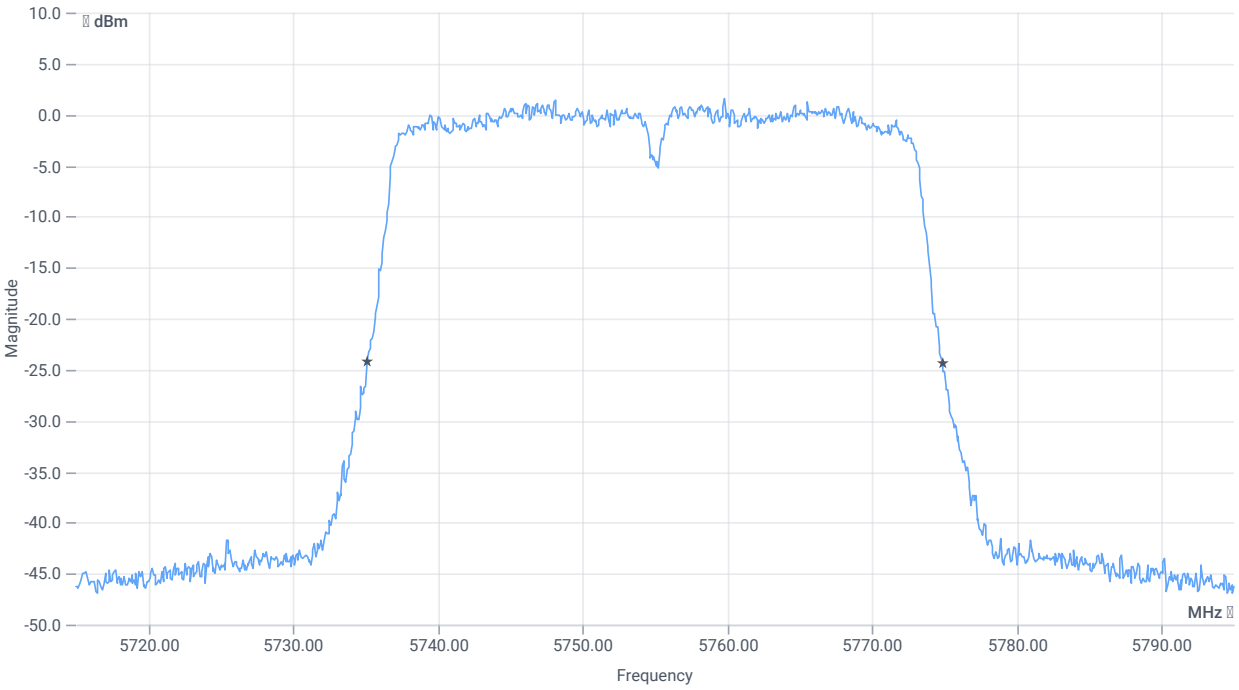
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

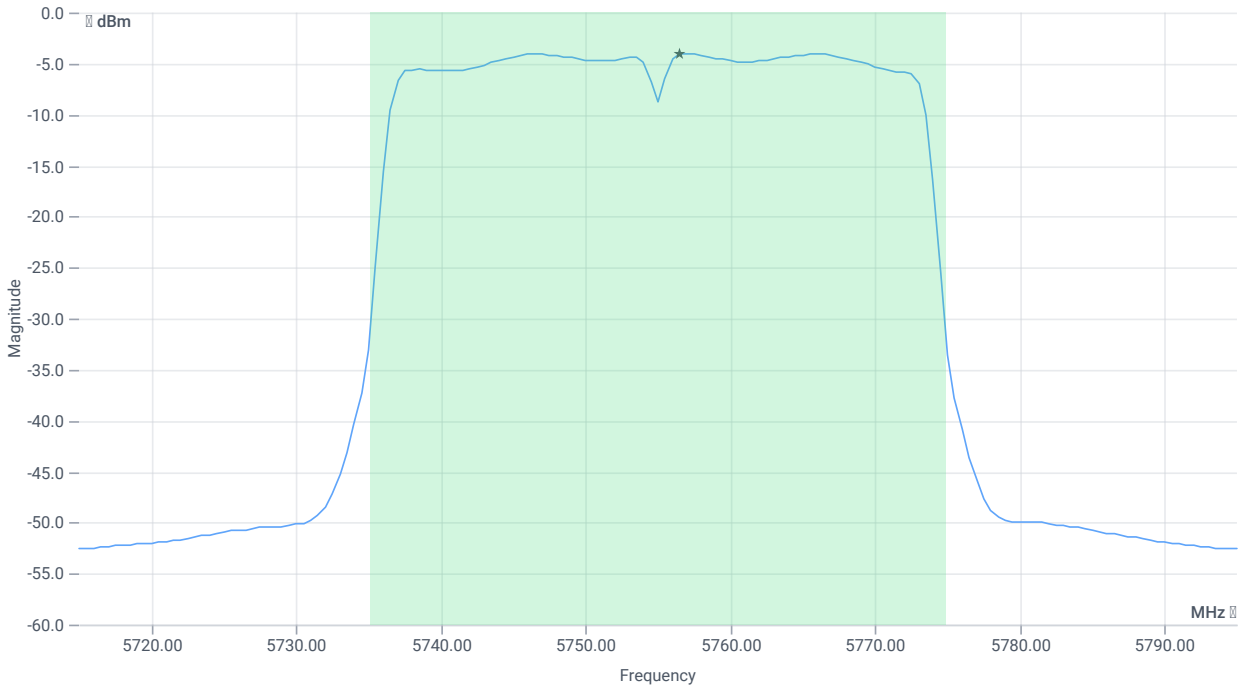
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.76	MHz	INFO
T1 26dB	---	---	5735.0800	MHz	INFO
T2 26dB	---	---	5774.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.75 | 13.98 | 20
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

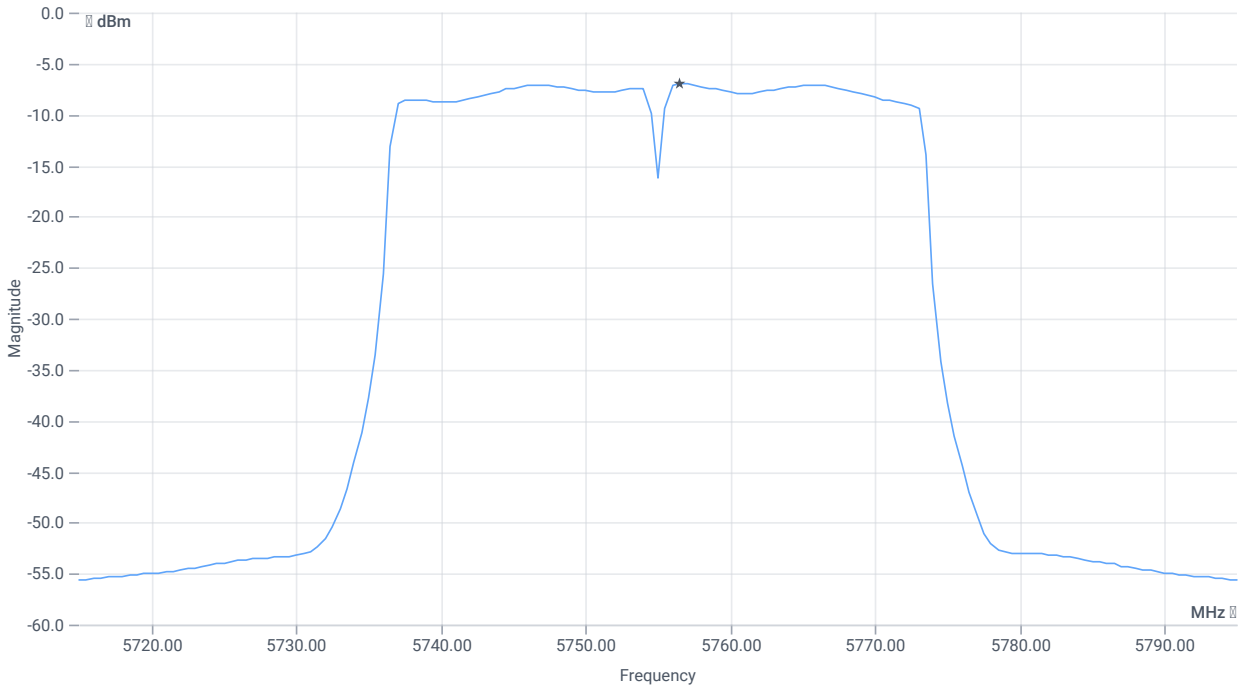
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.52	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.52	dBm	PASS
LIMIT: 11 dBm + 10 log 39.76					
Max output power DC corrected cond	---	26.99	10.52	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.75 | 13.98 | 20
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	---	---	-6.98	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-6.98	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:42:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5755 MHz

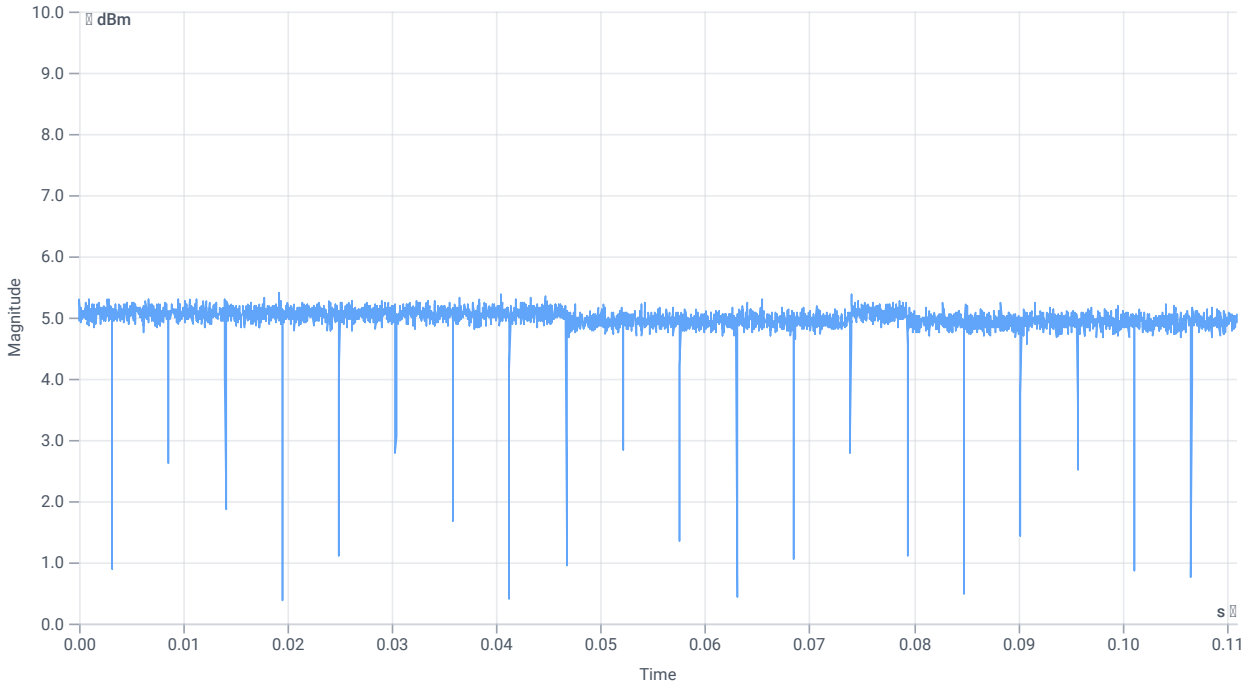
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.51	dBm	INFO
Ref. frequency	---	---	5757.800	MHz	INFO

Evaluation max. duty cycle

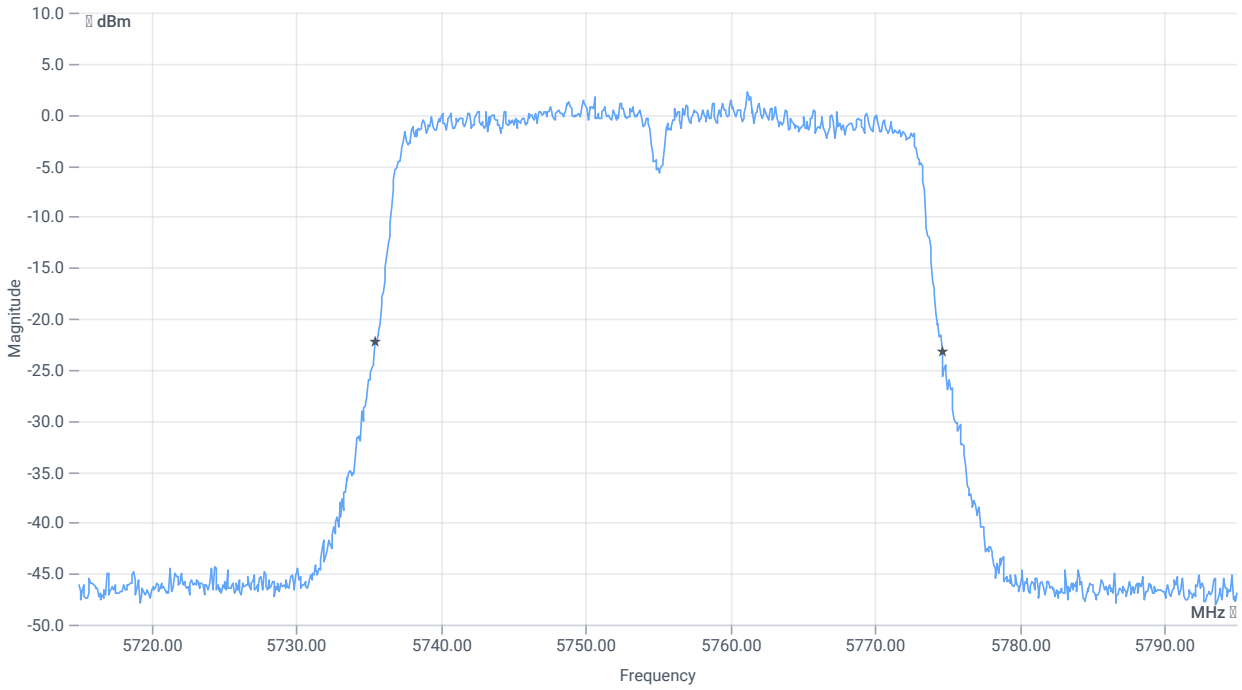
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

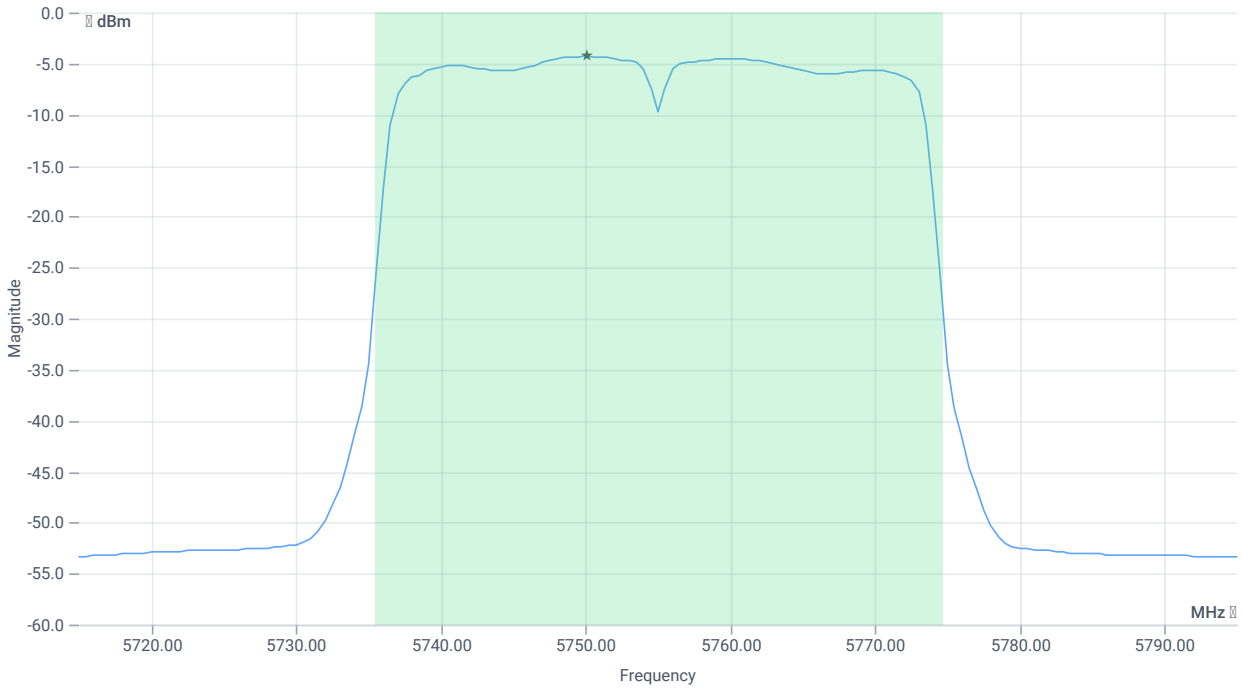
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.12	MHz	INFO
T1 26dB	---	---	5735.4800	MHz	INFO
T2 26dB	---	---	5774.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.51 | 13.94 | 20
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

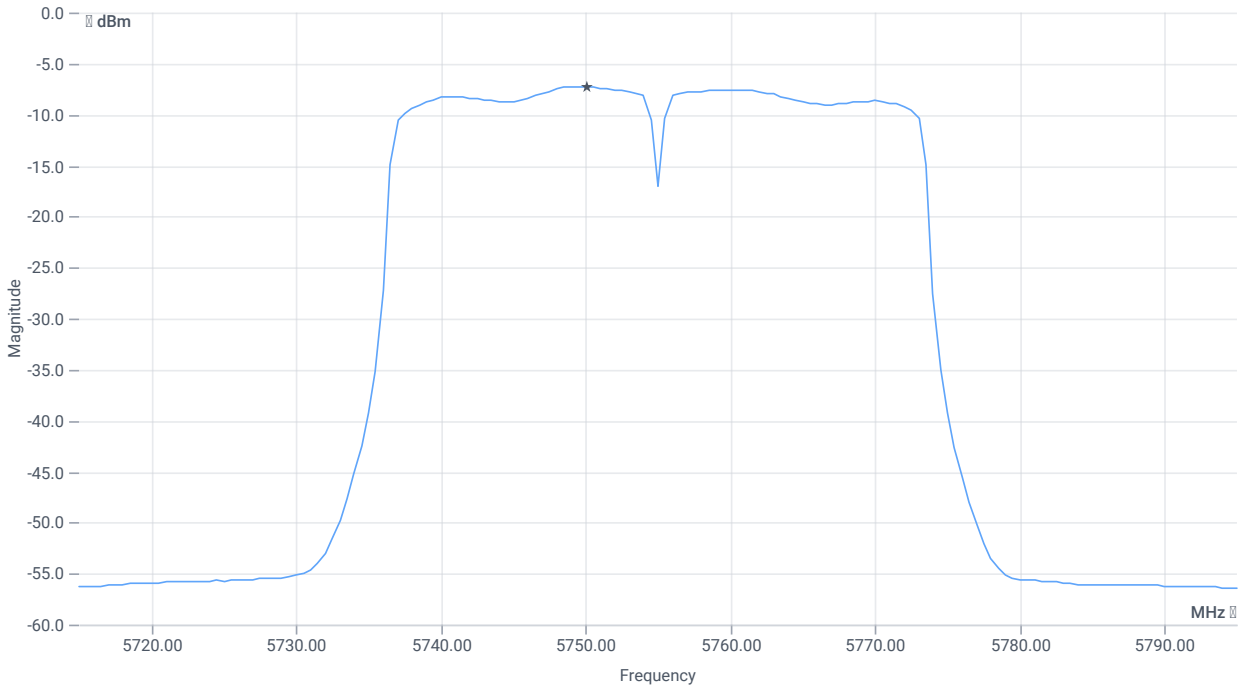
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10	dBm	PASS
LIMIT: 11 dBm + 10 log 39.12					
Max output power DC corrected cond	---	26.92	10	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.51 | 13.94 | 20
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	---	---	-7.29	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.29	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:52:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

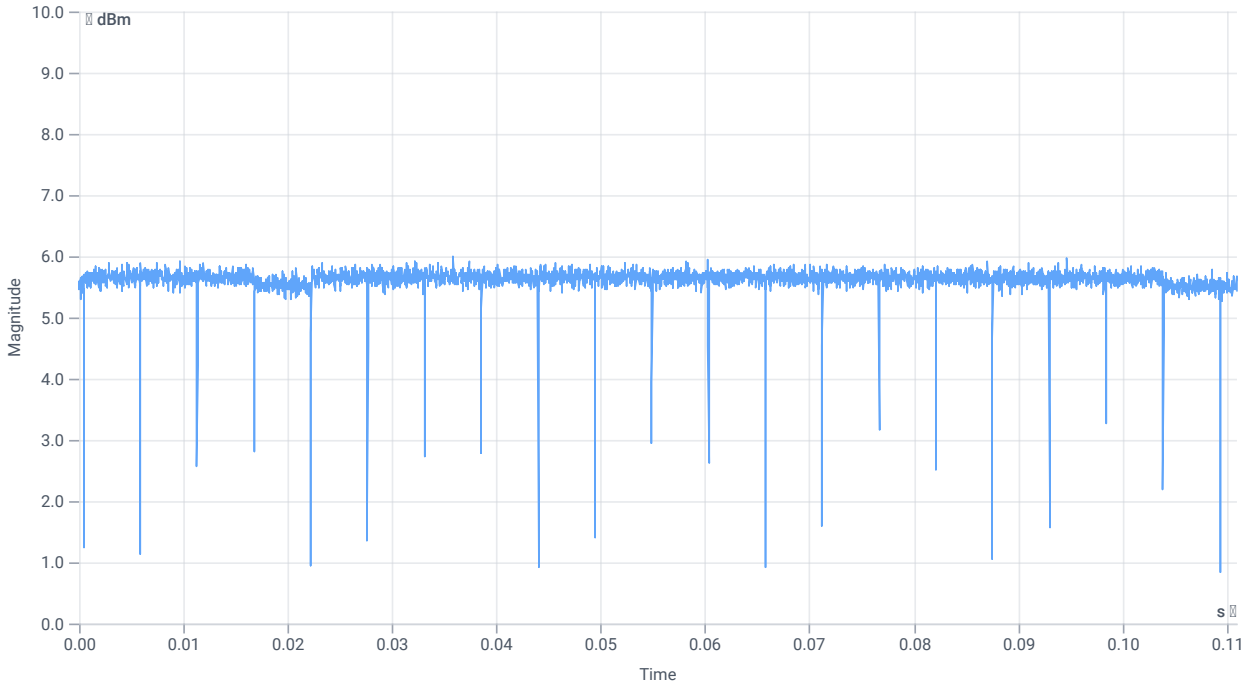
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.82	dBm	INFO
Ref. frequency	---	---	5784.410	MHz	INFO

Evaluation max. duty cycle

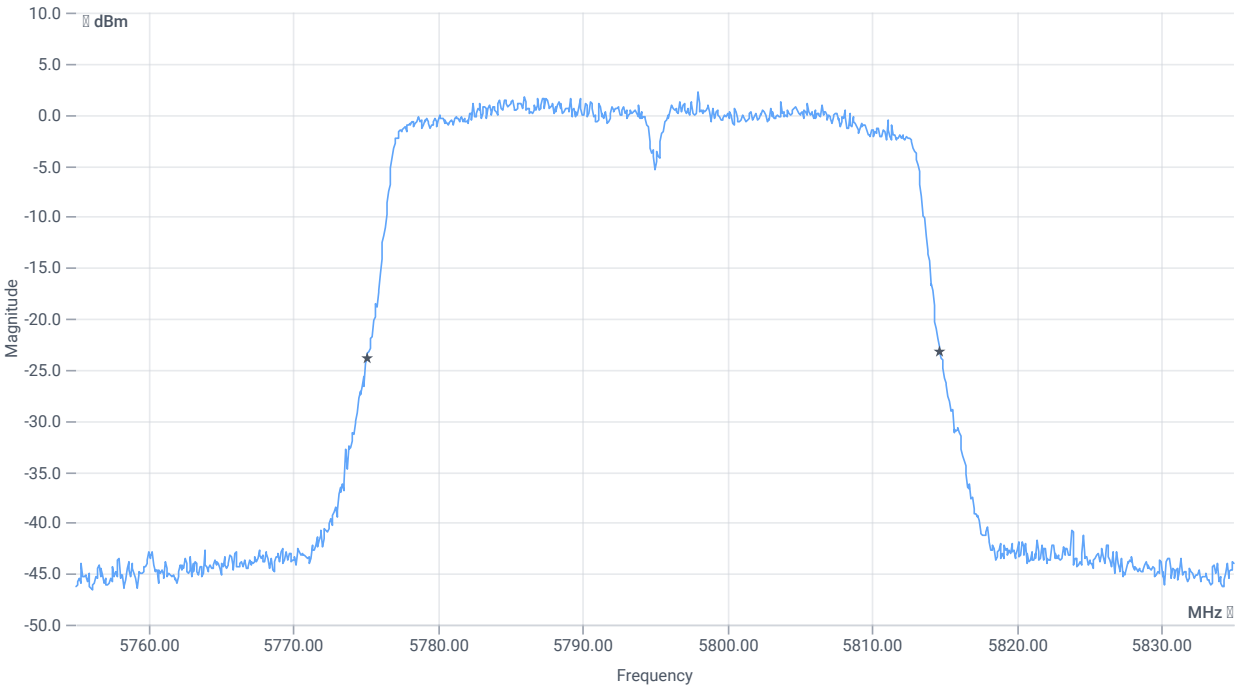
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

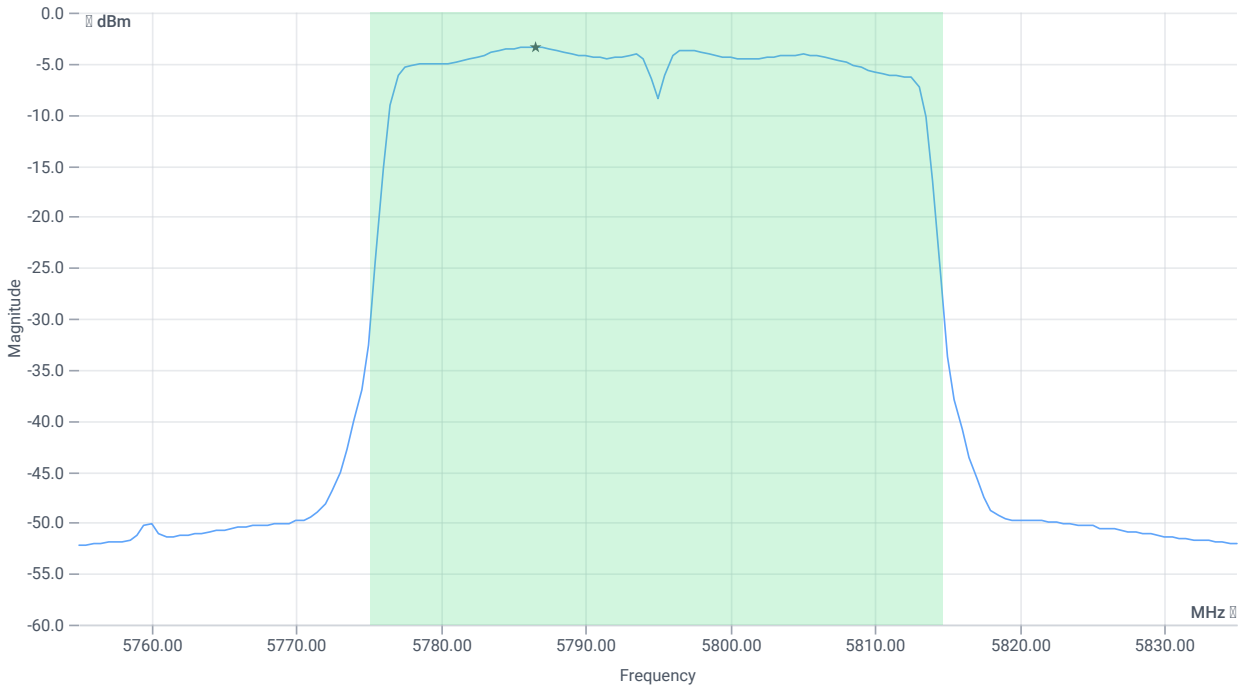
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.6	MHz	INFO
T1 26dB	---	---	5775.0800	MHz	INFO
T2 26dB	---	---	5814.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.82 | 14.49 | 20
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

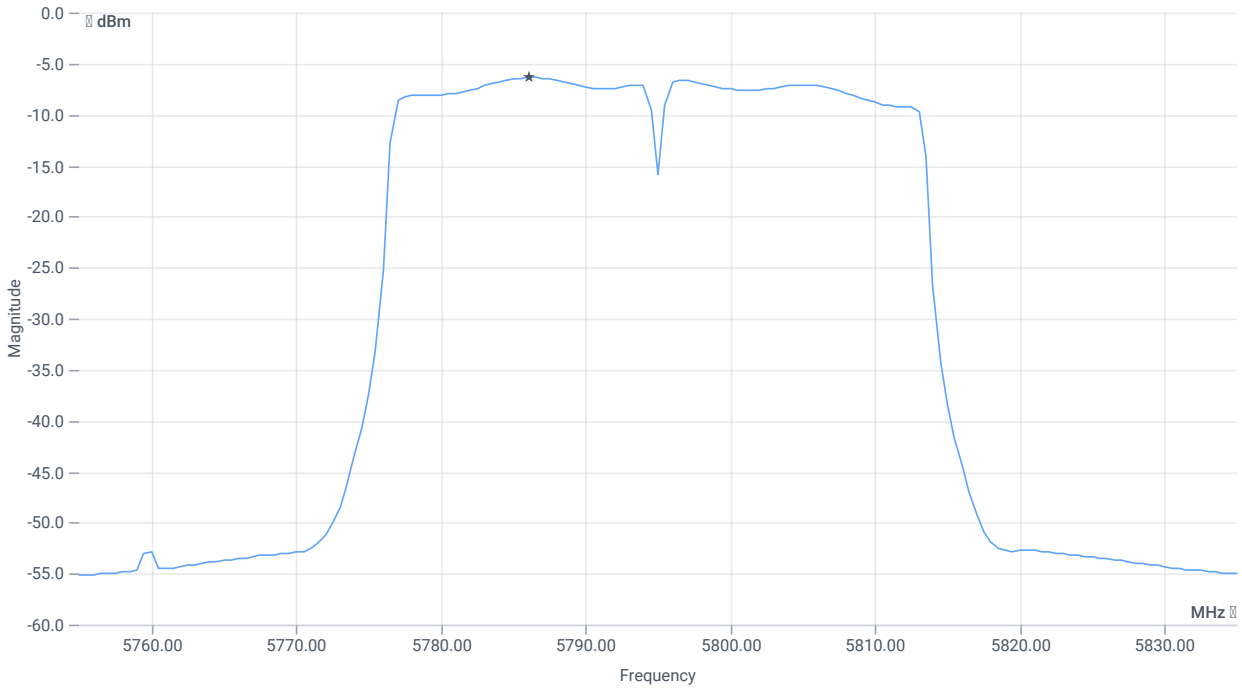
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.82	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.82	dBm	PASS
LIMIT: 11 dBm + 10 log 39.6					
Max output power DC corrected cond	---	26.98	10.82	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.82 | 14.49 | 20
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	---	---	-6.37	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-6.37	dBm/0.5MHz	PASS

Verdict
PASS

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

References

TC start	21.11.2025 14:59:36
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407 | NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5795 MHz

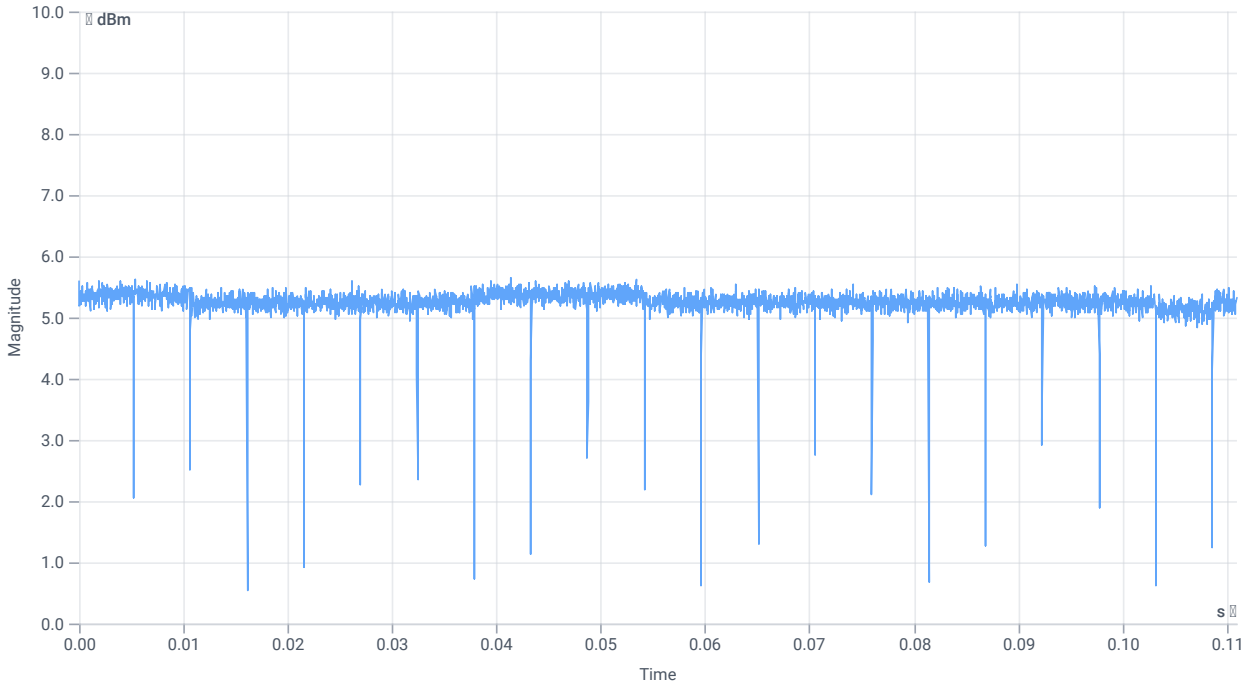
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.83	dBm	INFO
Ref. frequency	---	---	5799.400	MHz	INFO

Evaluation max. duty cycle

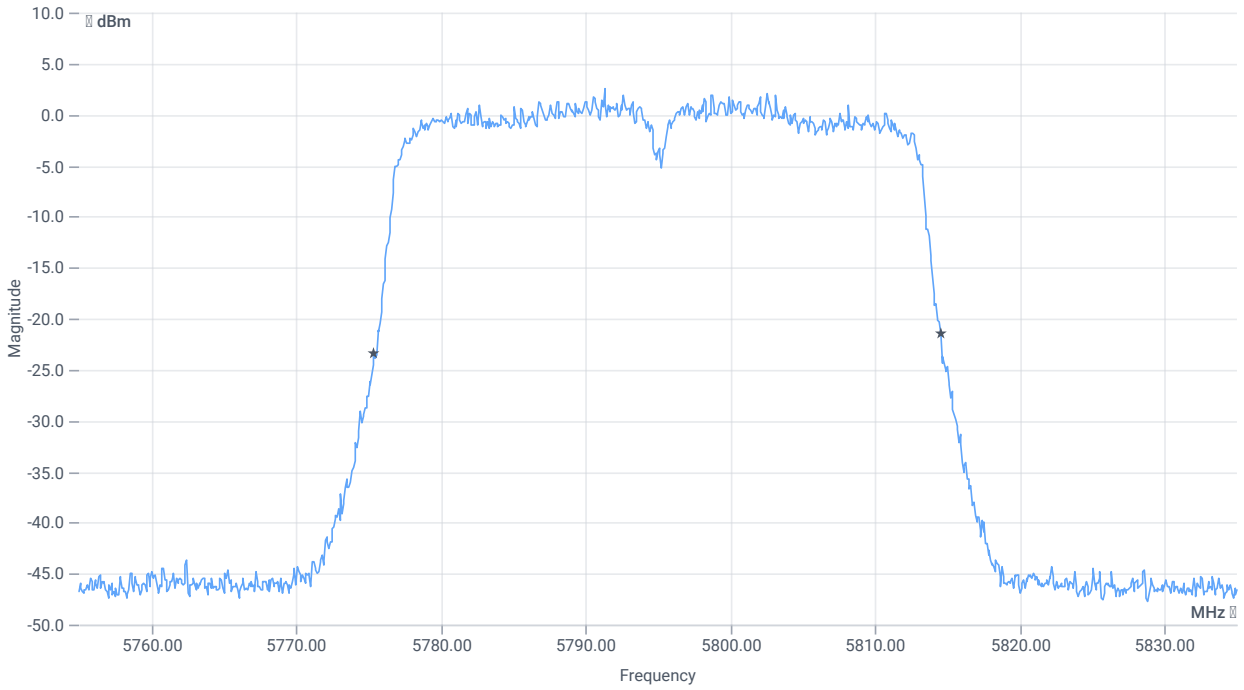
DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
No enough bursts detected, duty cycle burst ratio set to 1					
Duty cycle (burst ratio) max	---	---	1	---	INFO
Duty cycle max	---	---	0	dB	INFO
Duty cycle (burst ratio) min	---	---	1	---	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle

Evaluation bandwidth



BW 26dB

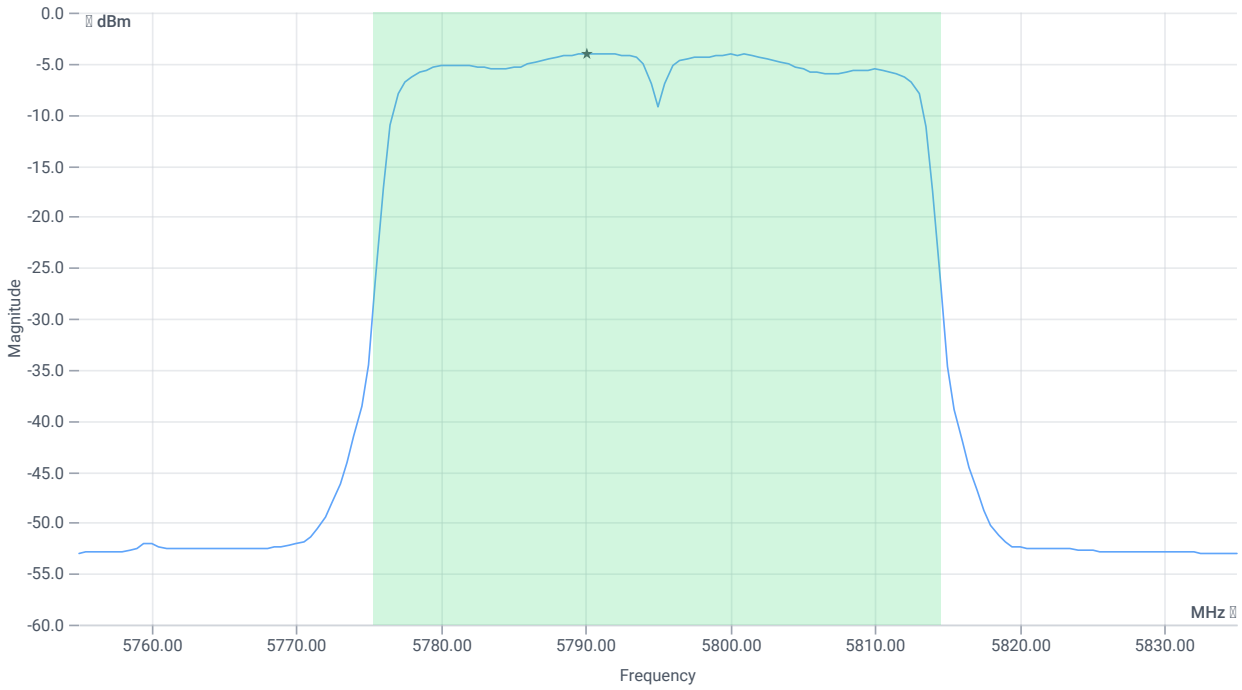
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	39.12	MHz	INFO
T1 26dB	---	---	5775.4000	MHz	INFO
T2 26dB	---	---	5814.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.83 | 14.3 | 20
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

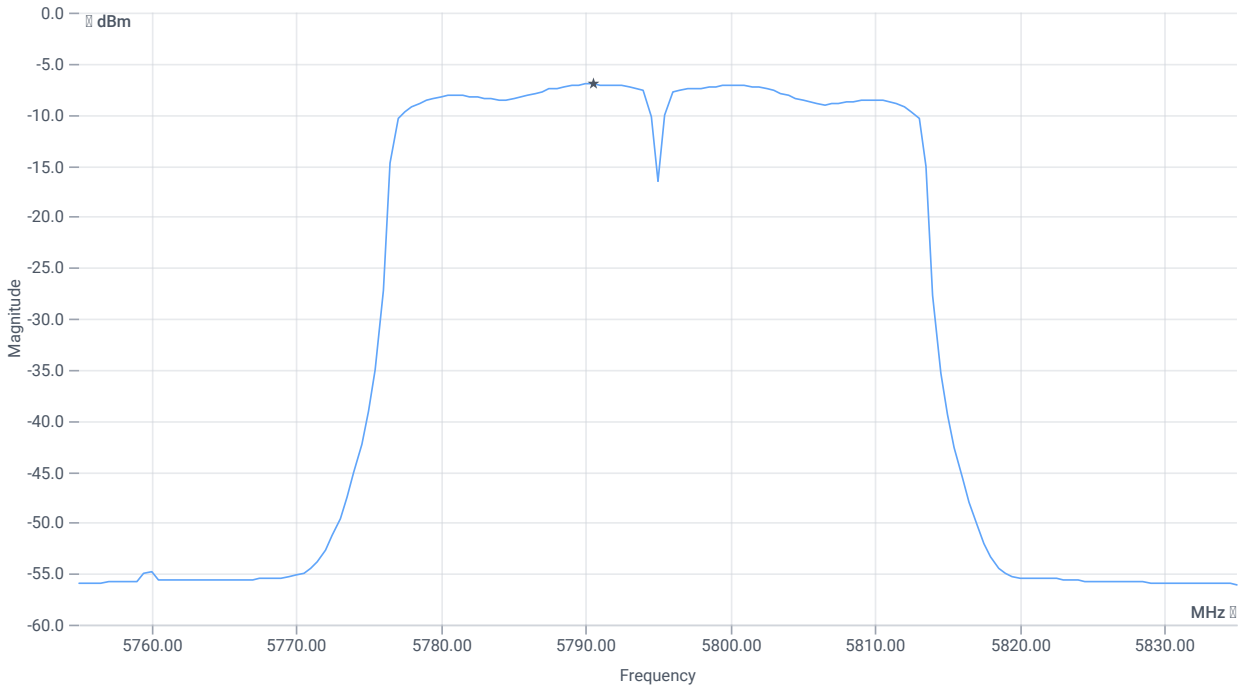
RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.23	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	10.23	dBm	PASS
LIMIT: 11 dBm + 10 log 39.12					
Max output power DC corrected cond	---	26.92	10.23	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.83 | 14.3 | 20
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	---	---	-7.01	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.01	dBm/0.5MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:41:25
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

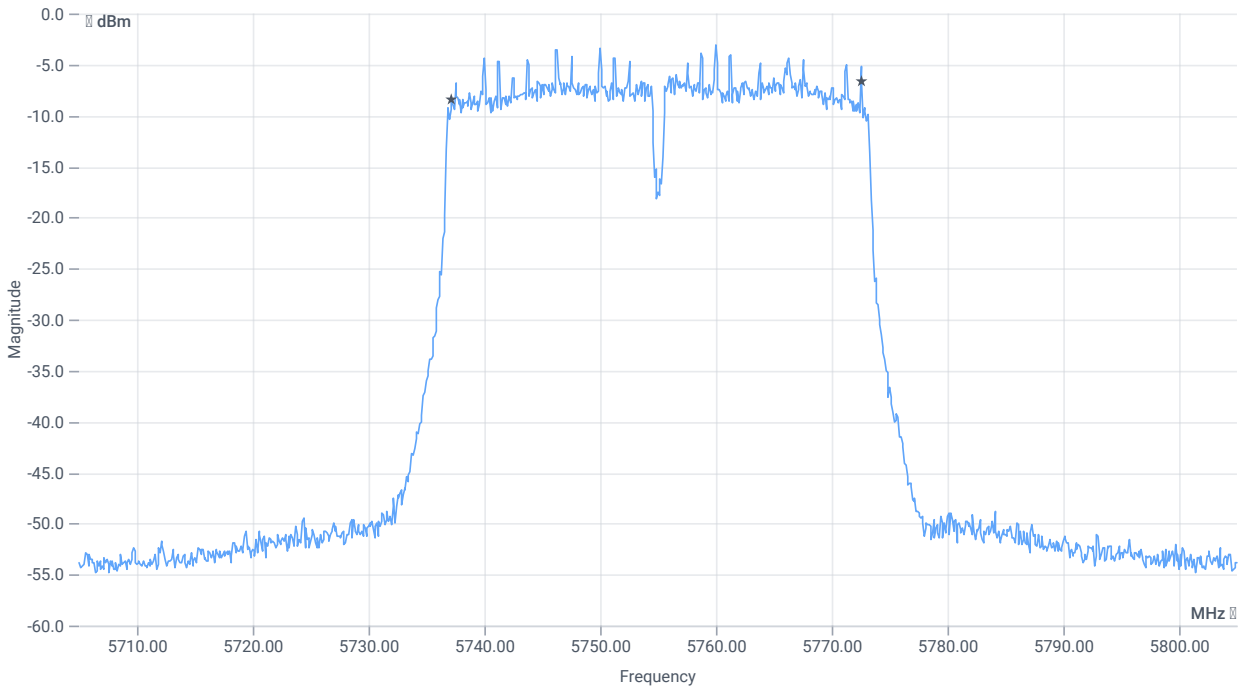
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.14	dBm	INFO
Ref. frequency	---	---	5747.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.14 | 13.98 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.4	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:48:51
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	False | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

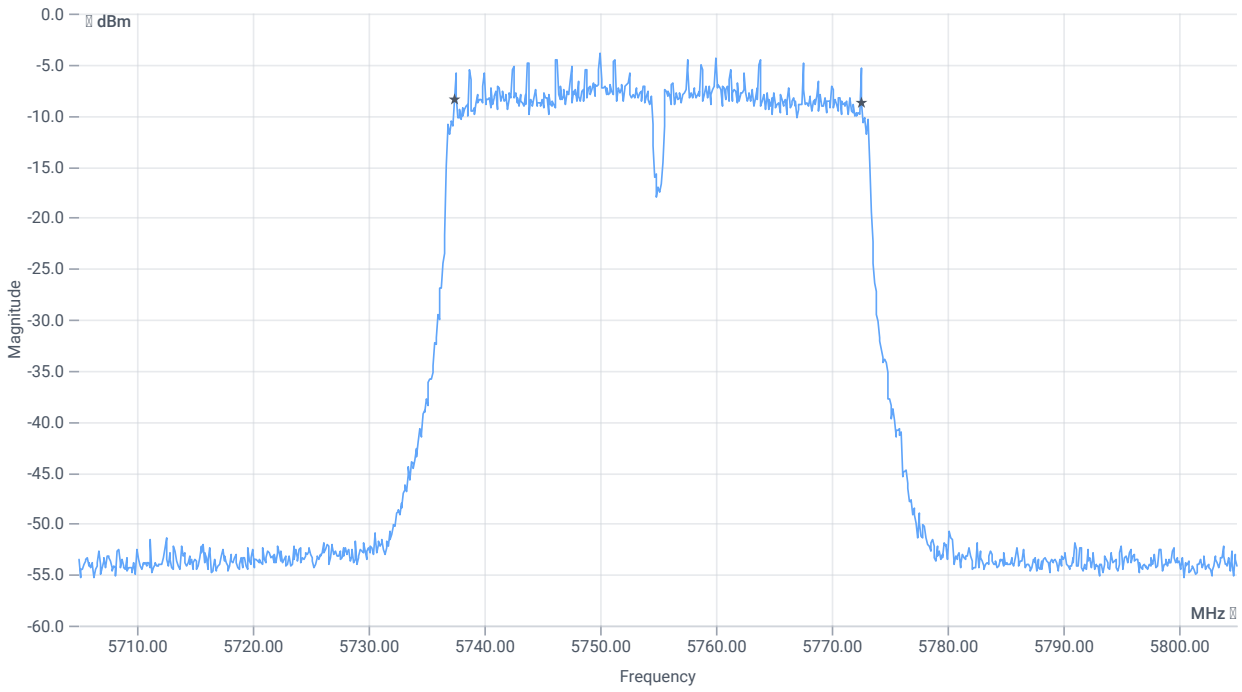
Test at TX 5755 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.74	dBm	INFO
Ref. frequency	---	---	5747.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.74 | 13.94 | 20
Start [MHz] | Stop [MHz]	5705.000 | 5805.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.2	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 14:58:02
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

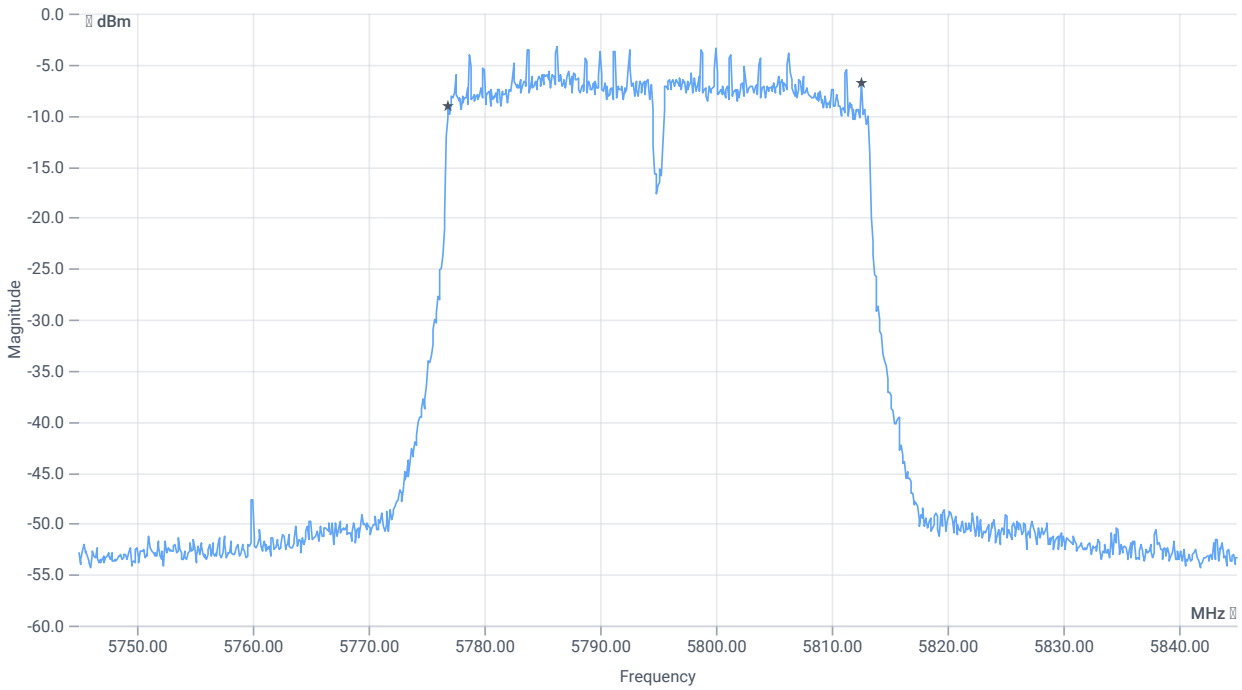
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.43	dBm	INFO
Ref. frequency	---	---	5797.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.43 | 14.49 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.7	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Minimum emission bandwidth ~ WLAN5Gx n-HT40 mode U-NII-3

References

TC start	21.11.2025 15:05:27
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min Emission Bandwidth - WLAN5Gx n-HT40 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5755
Frequency mid to test	False | Freq [MHz] 5835
Frequency high to test	True | Freq [MHz] 5795
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

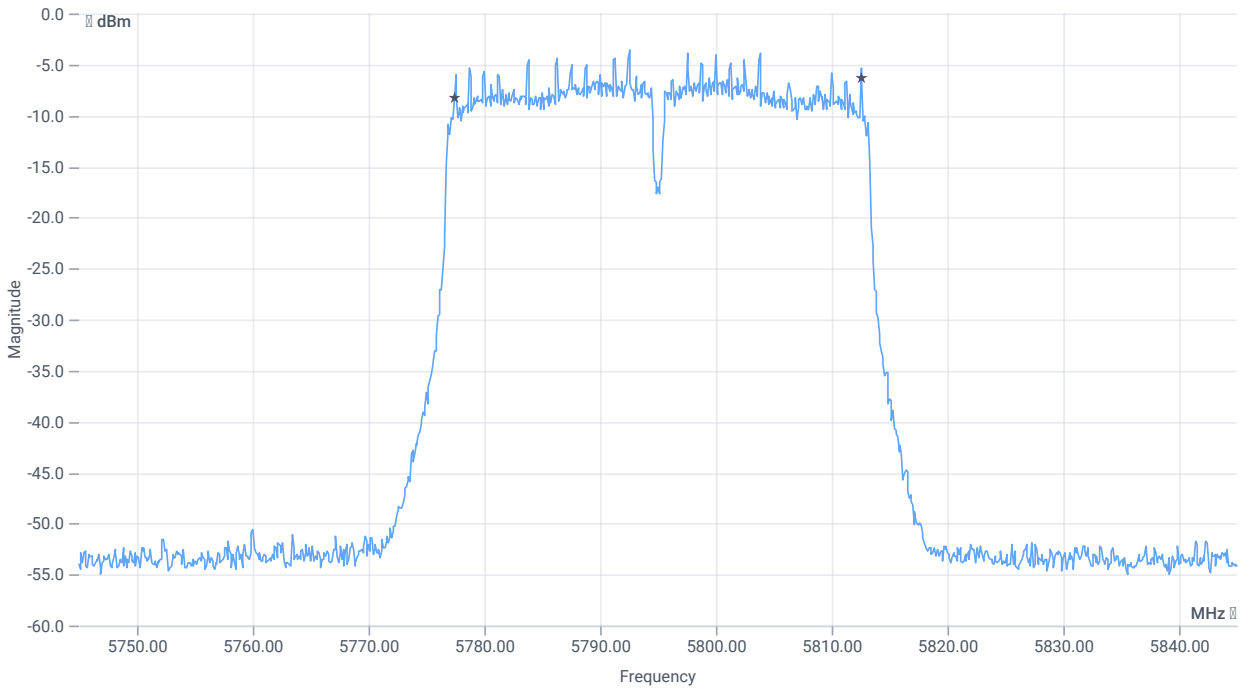
Test at TX 5795 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.52	dBm	INFO
Ref. frequency	---	---	5789.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.52 | 14.3 | 20
Start [MHz] | Stop [MHz]	5745.000 | 5845.000
RBW [MHz] | VBW [MHz]	0.100000 | 0.300000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	2 | 1500 | 1001 | SWE



BW 6dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	35.2	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 14:56:47
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

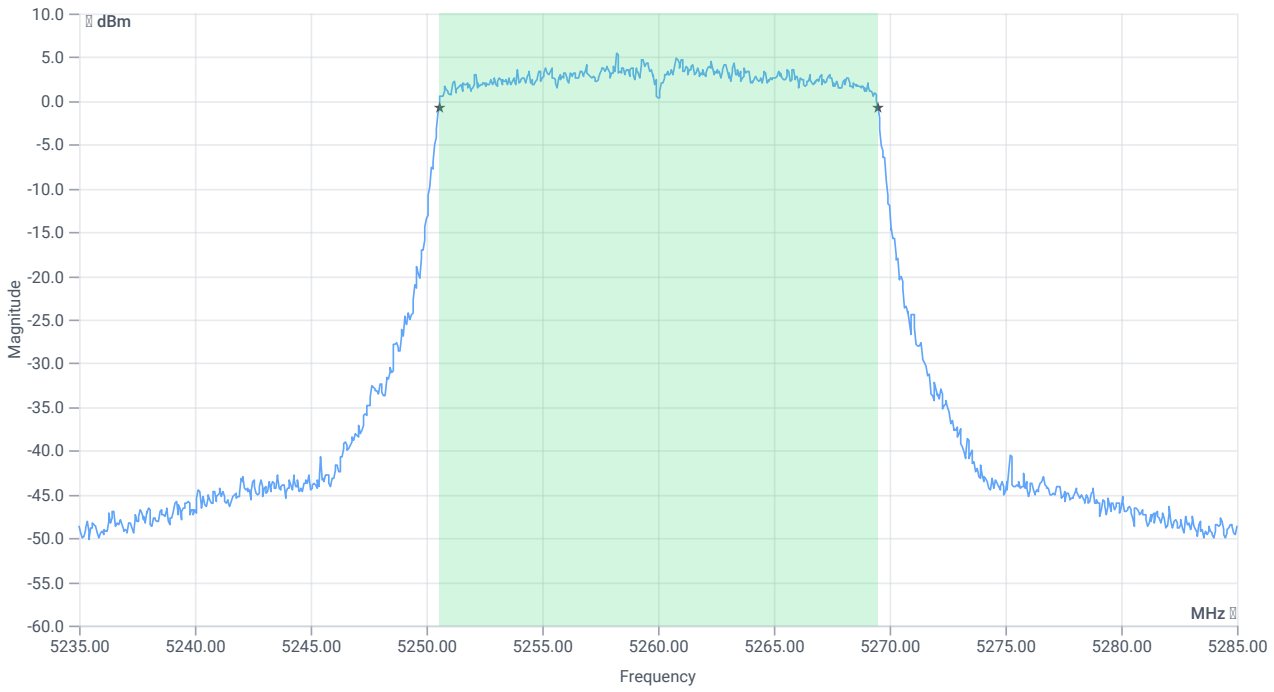
Test at TX 5260 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.33	dBm	INFO
Ref. frequency	---	---	5262.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.33 | 13.87 | 20
Start [MHz] | Stop [MHz]	5235.000 | 5285.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



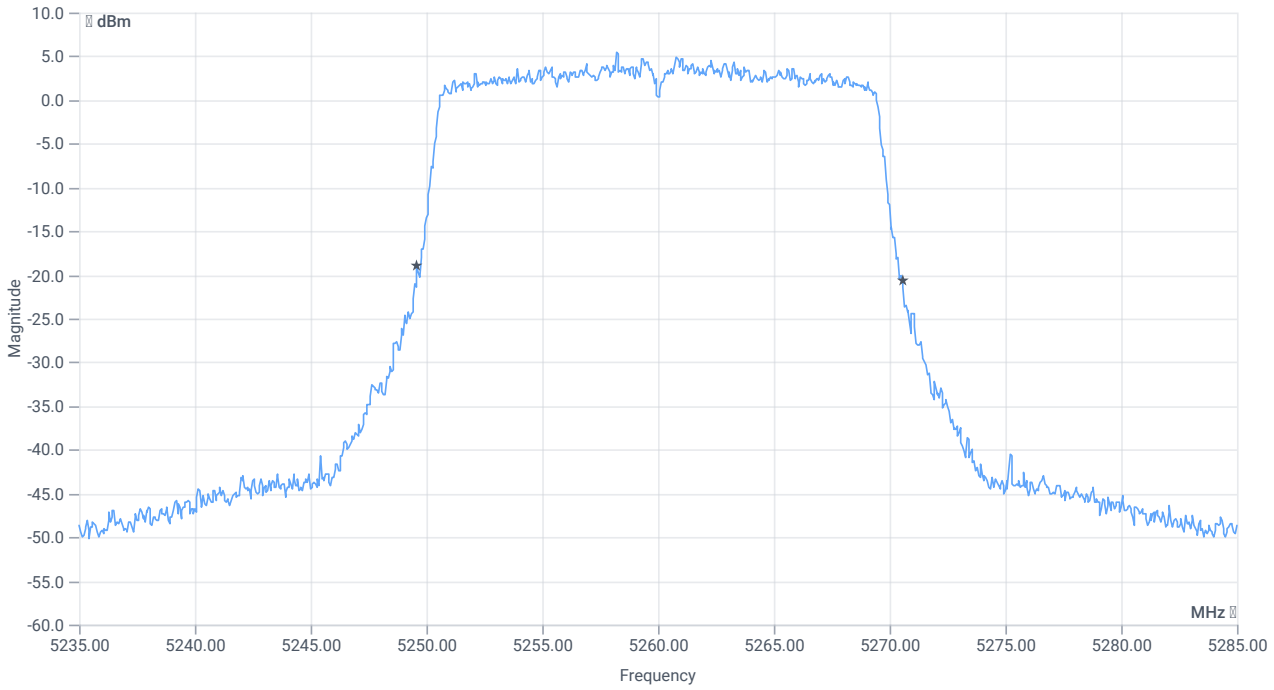
BW 99PCT



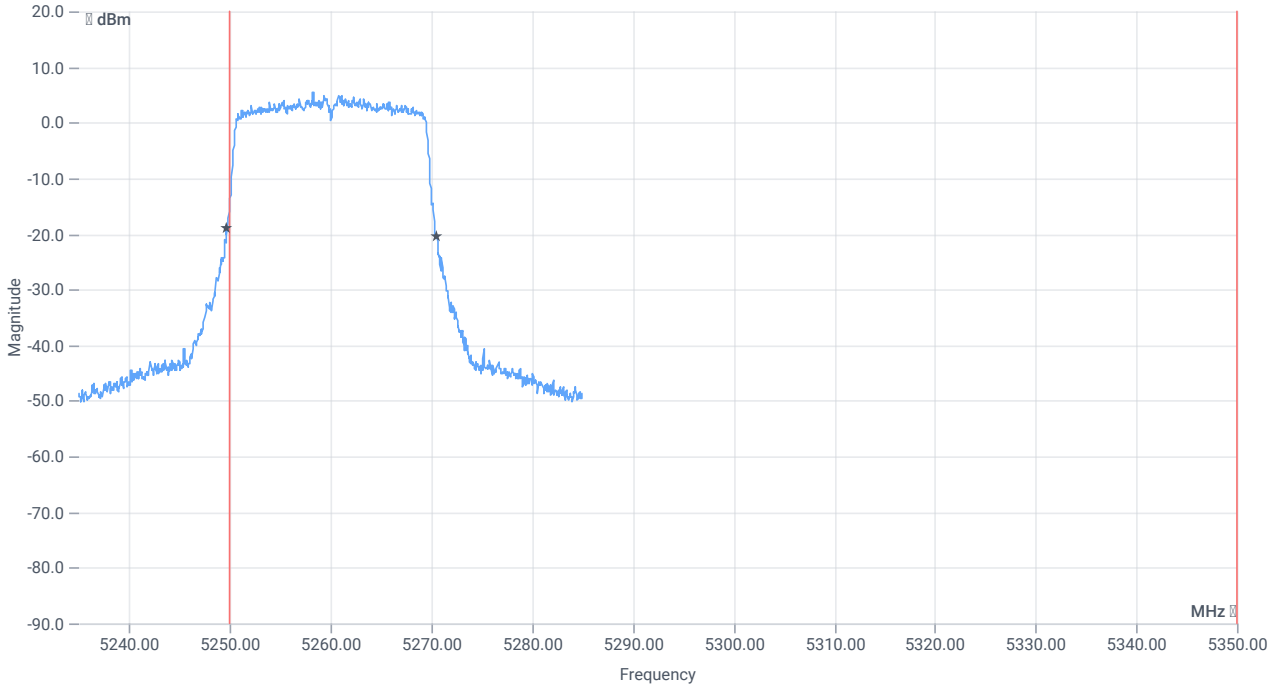
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5250.000000	---	5250.5594	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5269.4905	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.95	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5249.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5270.5500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 15:00:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

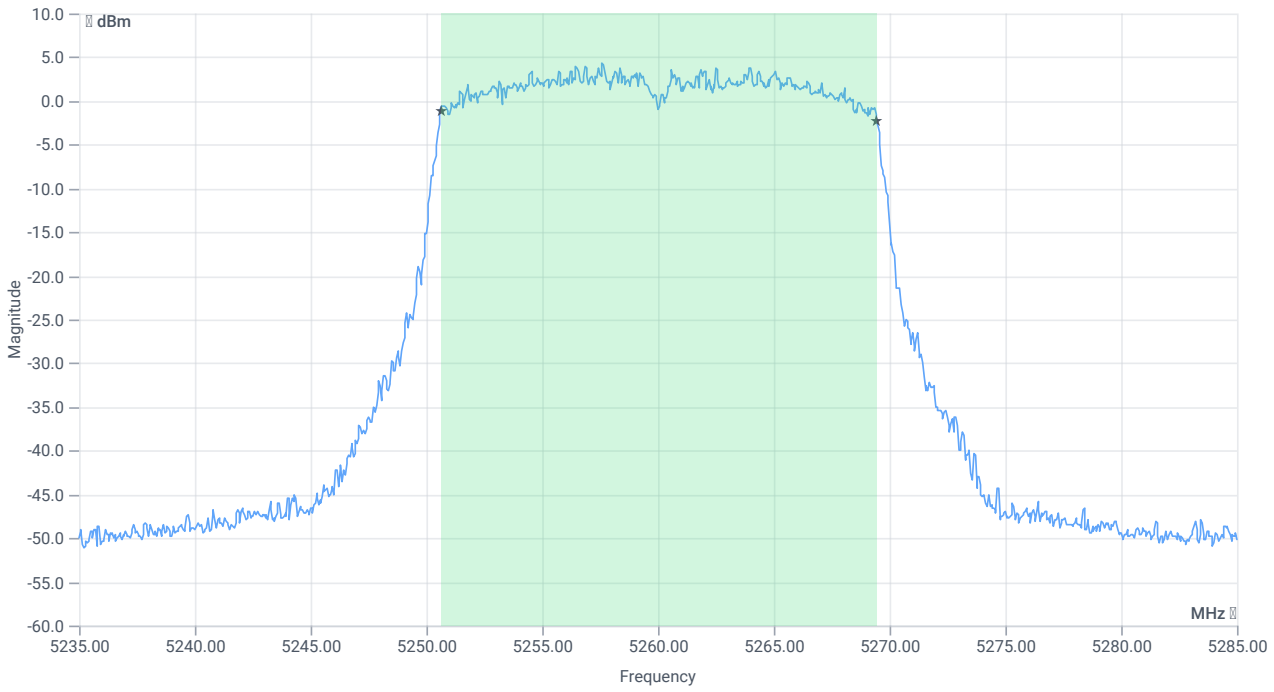
Test at TX 5260 MHz

RESULT: Reference power cond.

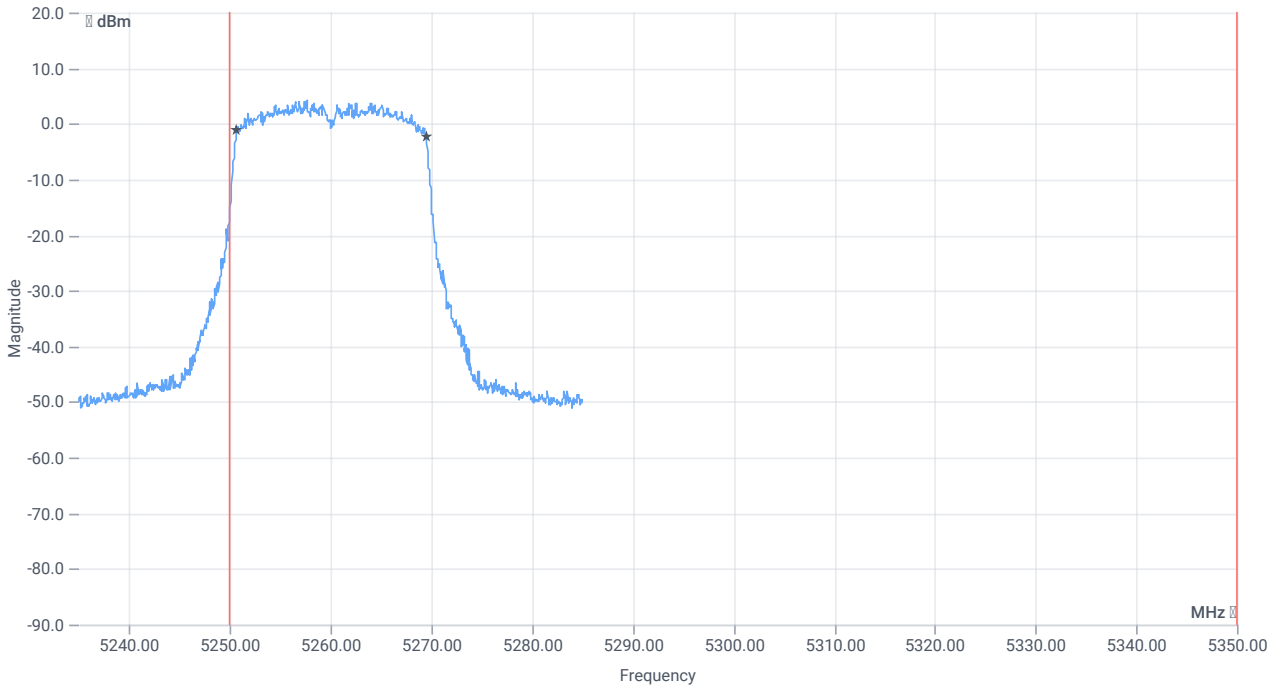
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.44	dBm	INFO
Ref. frequency	---	---	5261.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.44 | 13.58 | 20
Start [MHz] | Stop [MHz]	5235.000 | 5285.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



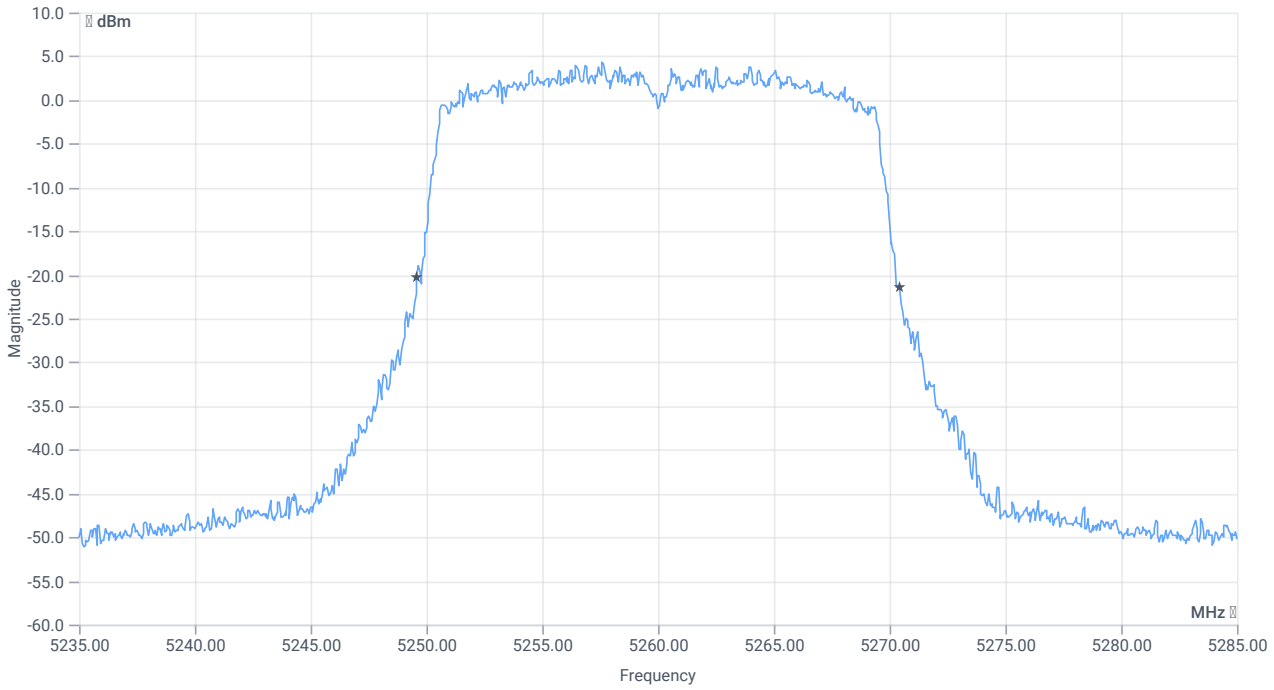
BW 99PCT



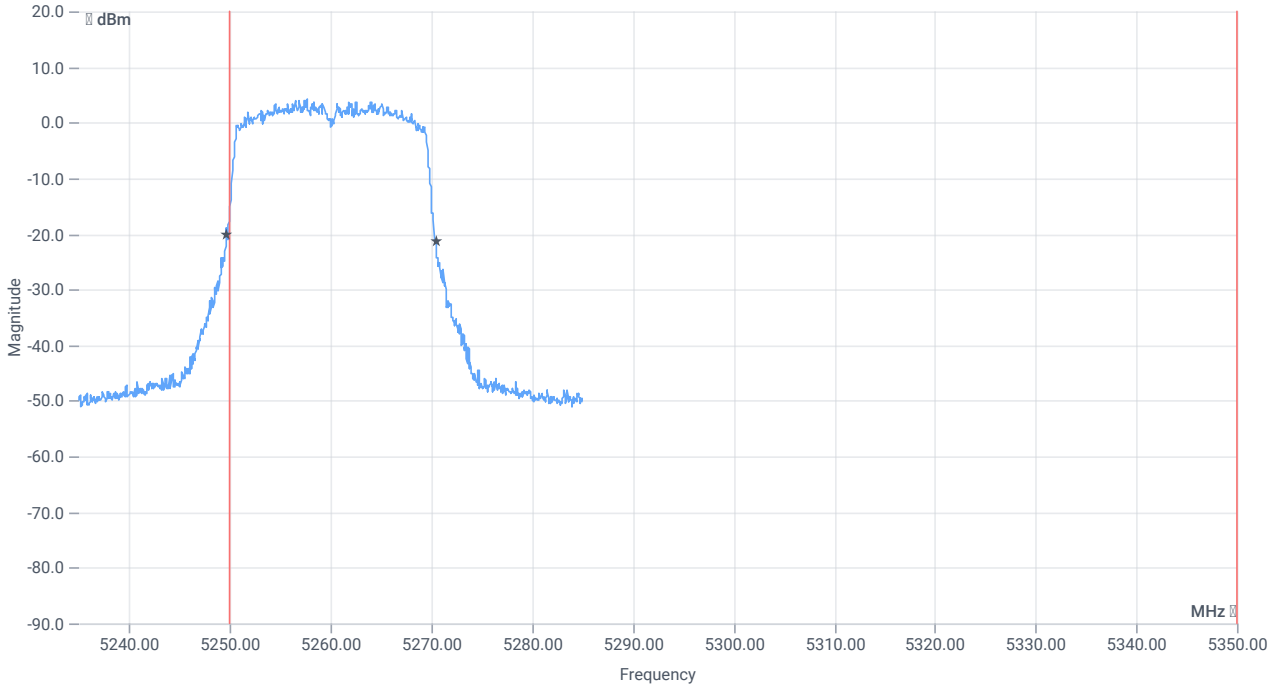
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5250.000000	---	5250.6094	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5269.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.85	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5249.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5270.4500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 15:06:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

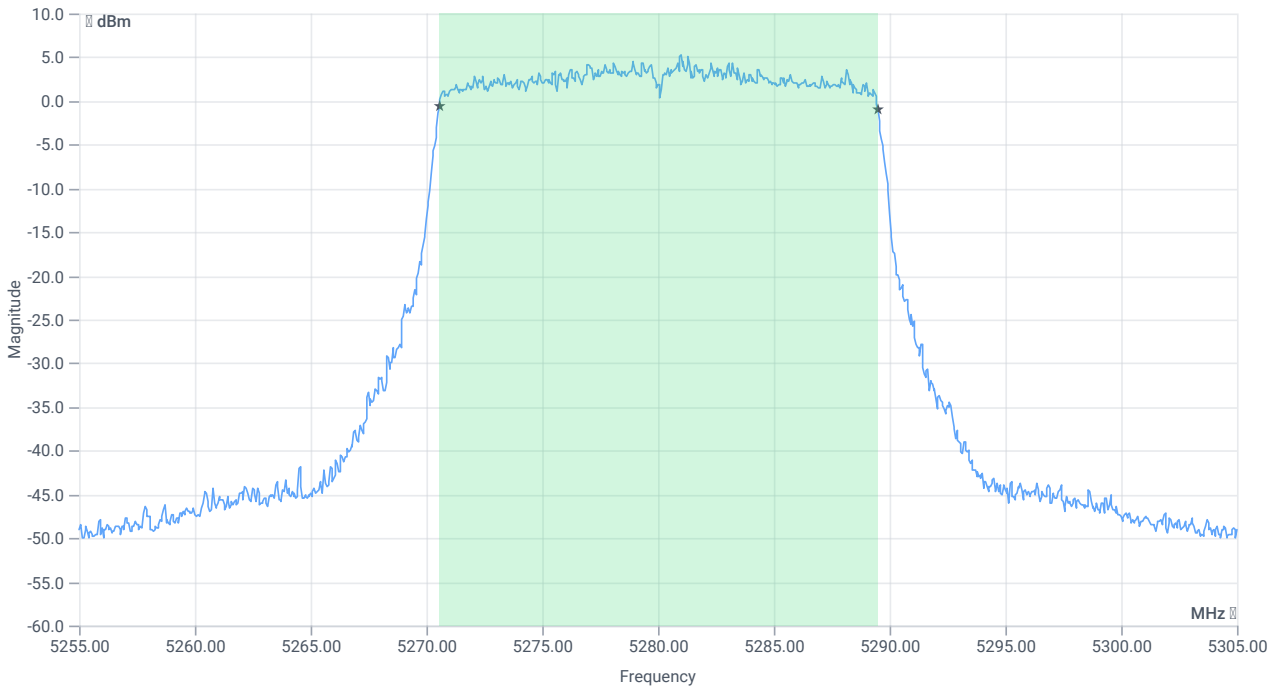
Test at TX 5280 MHz

RESULT: Reference power cond.

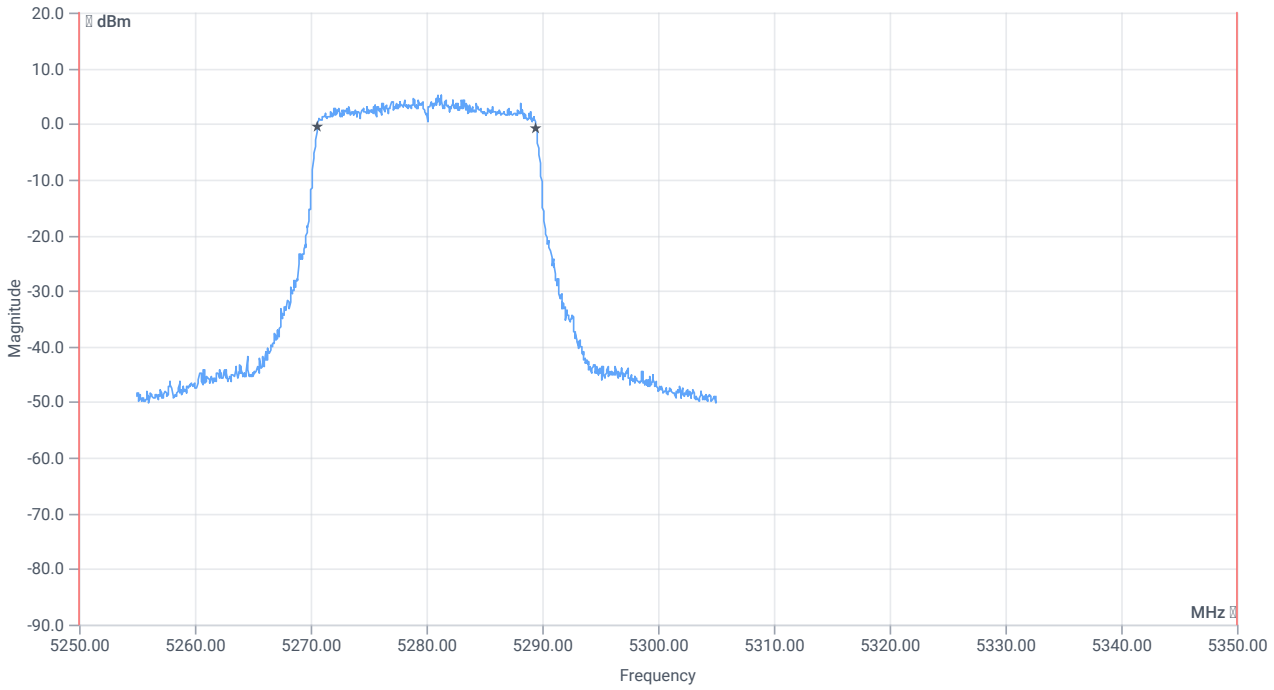
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.60	dBm	INFO
Ref. frequency	---	---	5285.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.60 | 13.69 | 20
Start [MHz] | Stop [MHz]	5255.000 | 5305.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



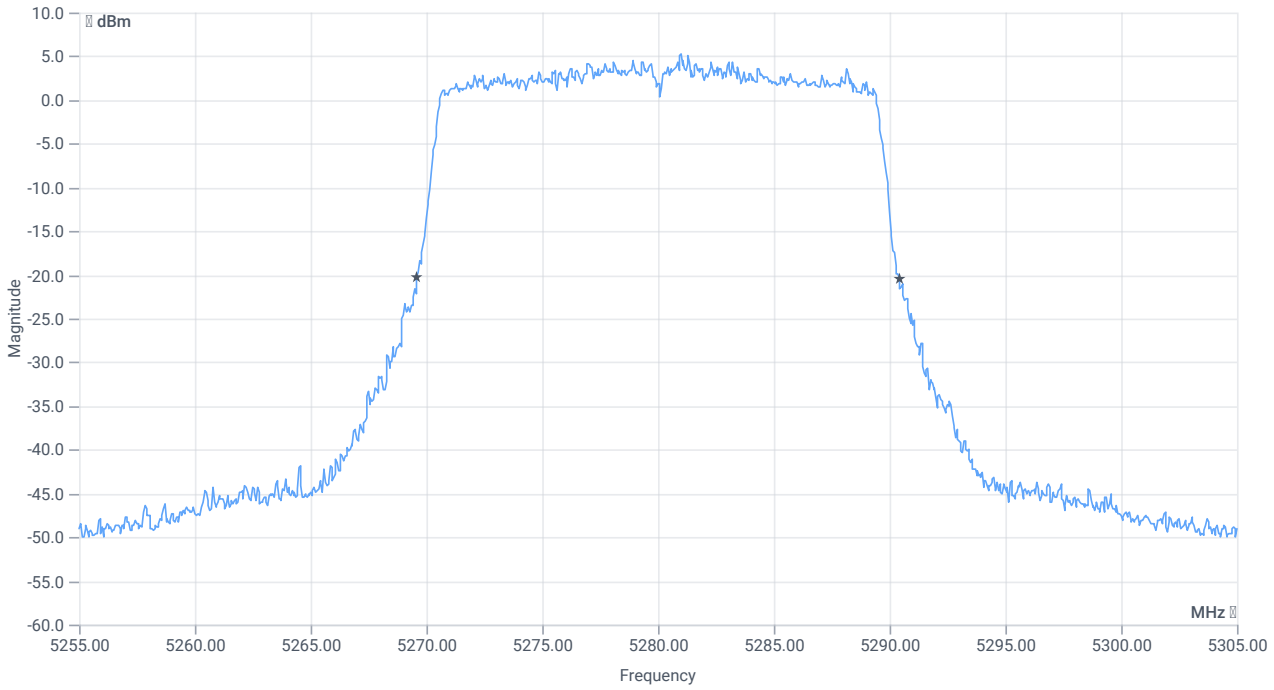
BW 99PCT



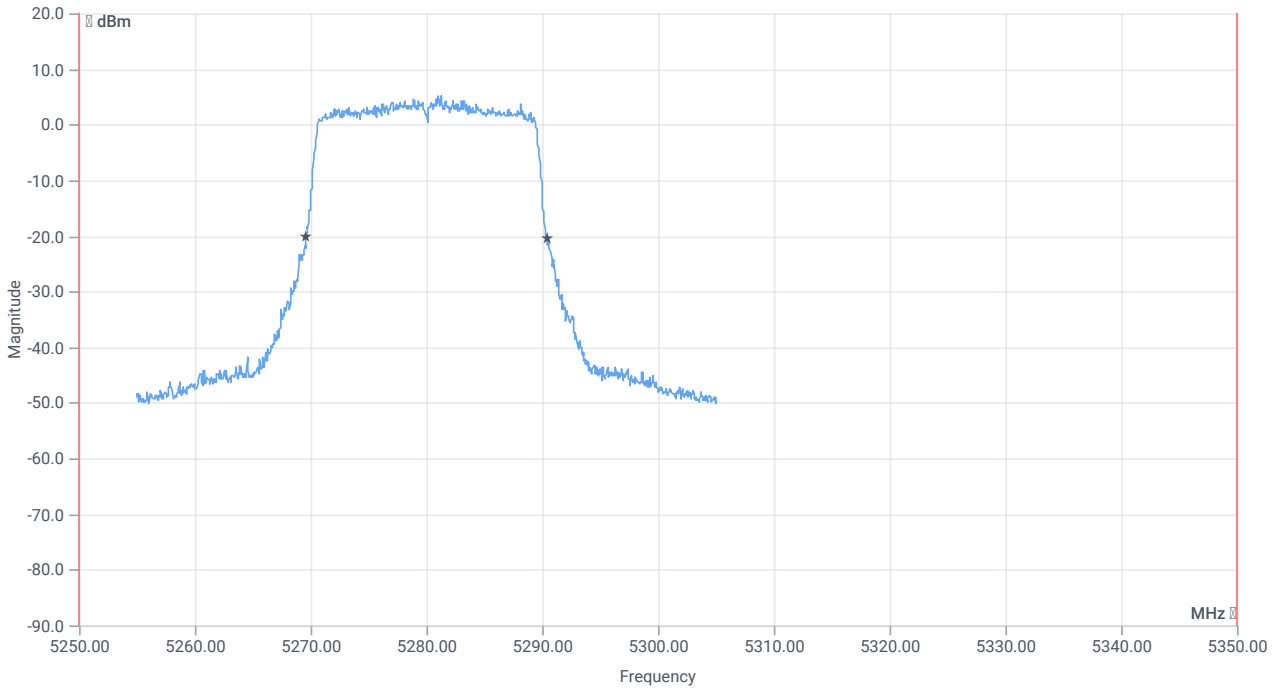
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5250.000000	---	5270.5594	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5289.4905	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5269.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.4000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 15:10:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	True | Freq [MHz] 5280
Frequency high to test	False | Freq [MHz] 5320
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

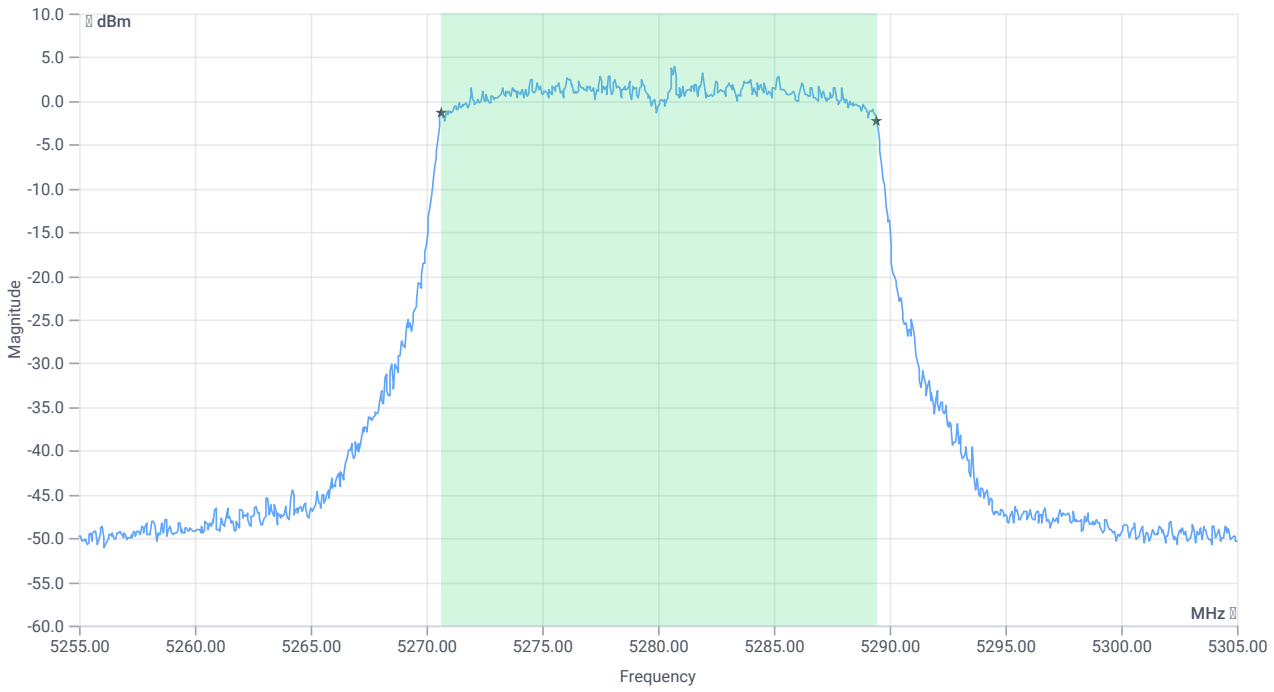
Test at TX 5280 MHz

RESULT: Reference power cond.

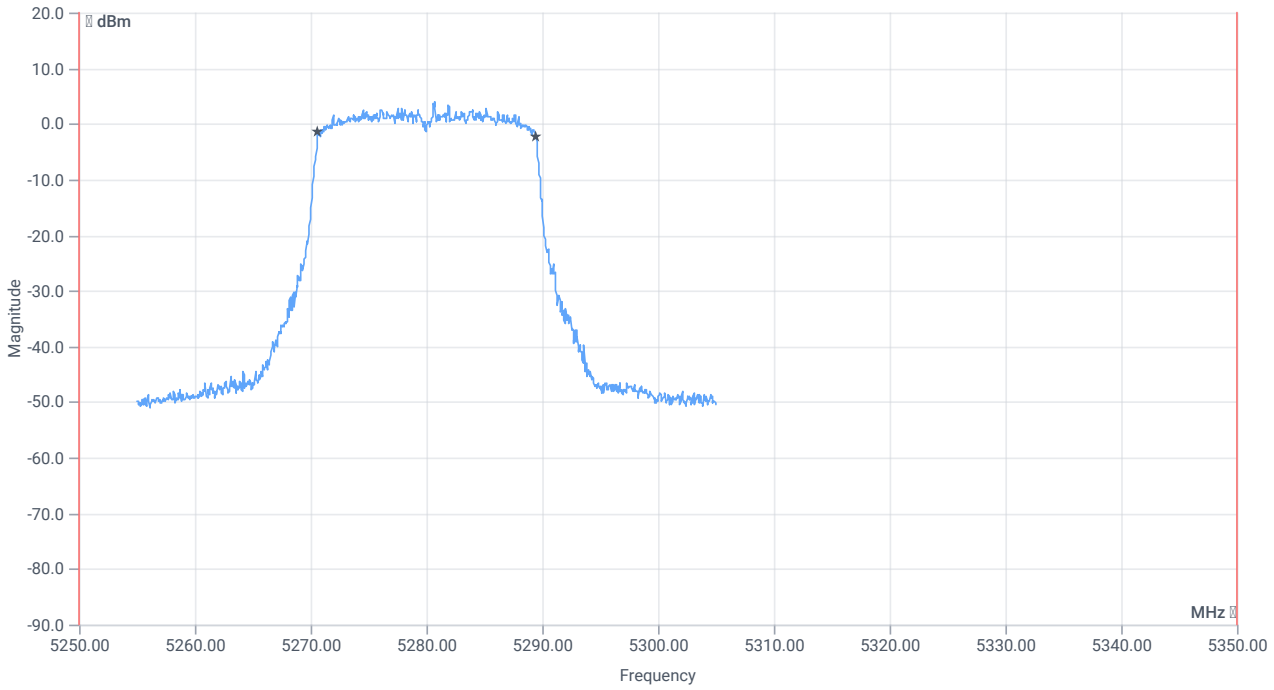
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.27	dBm	INFO
Ref. frequency	---	---	5276.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.27 | 13.45 | 20
Start [MHz] | Stop [MHz]	5255.000 | 5305.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



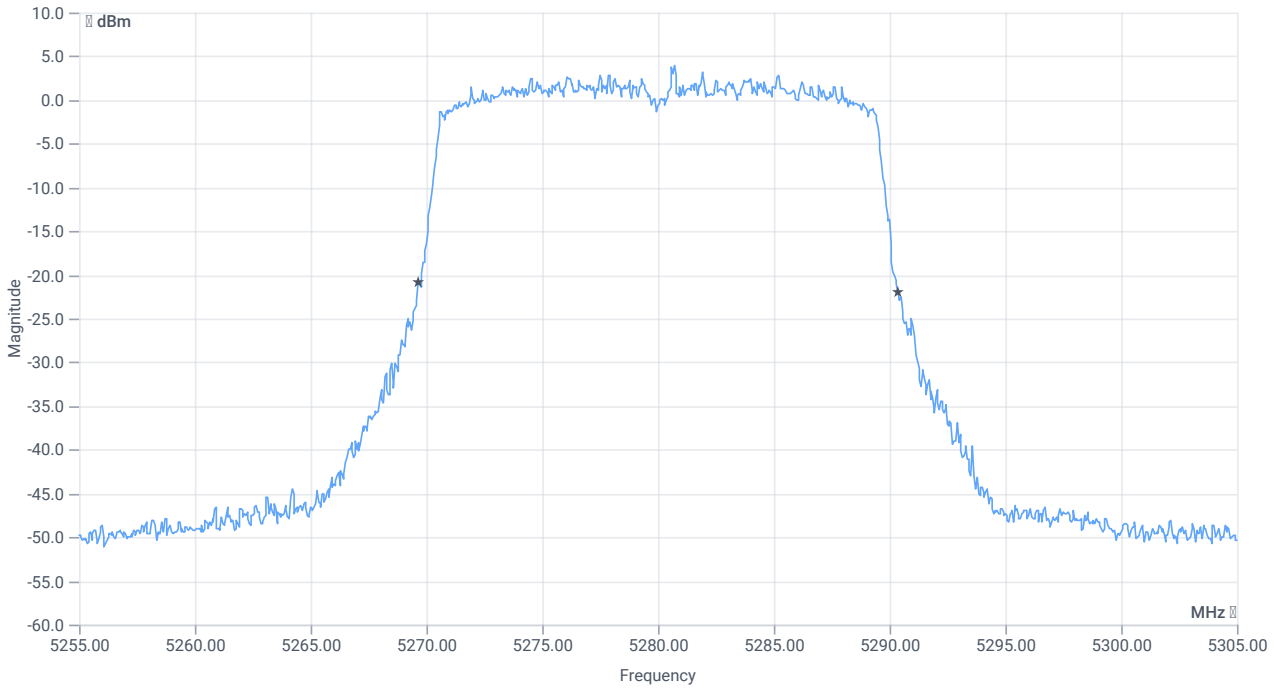
BW 99PCT



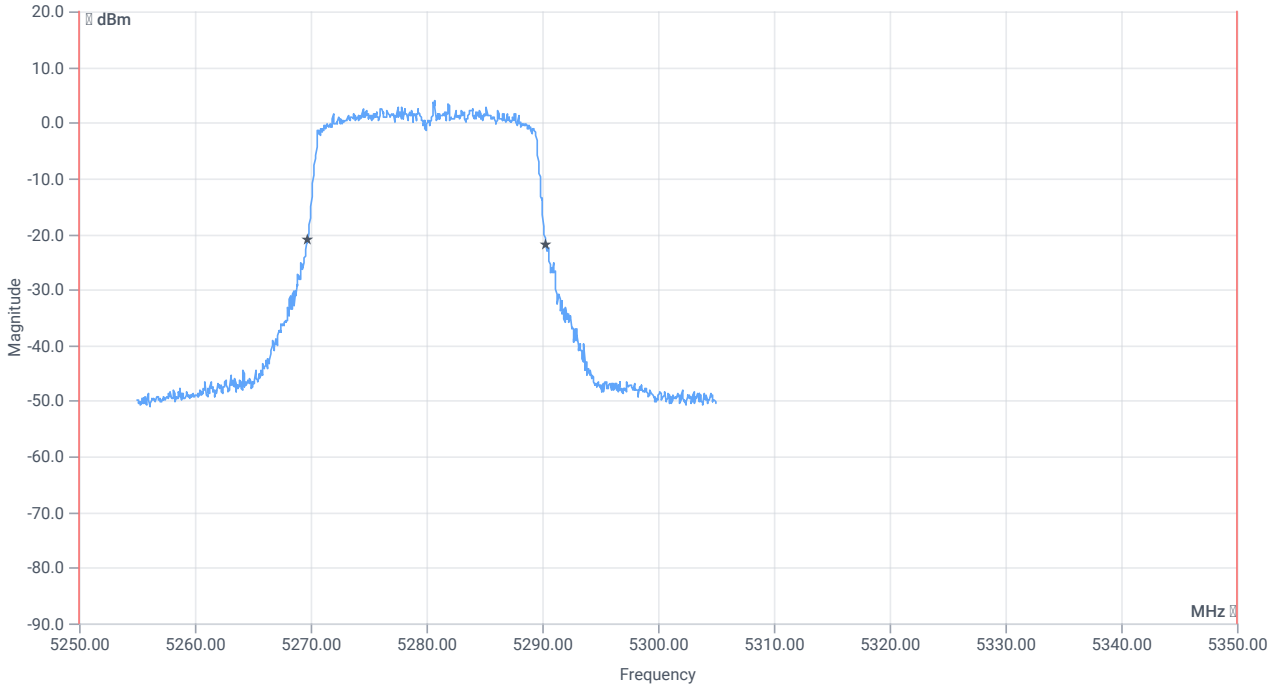
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5250.000000	---	5270.6094	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5289.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.7	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5269.6500	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5290.3500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 15:18:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

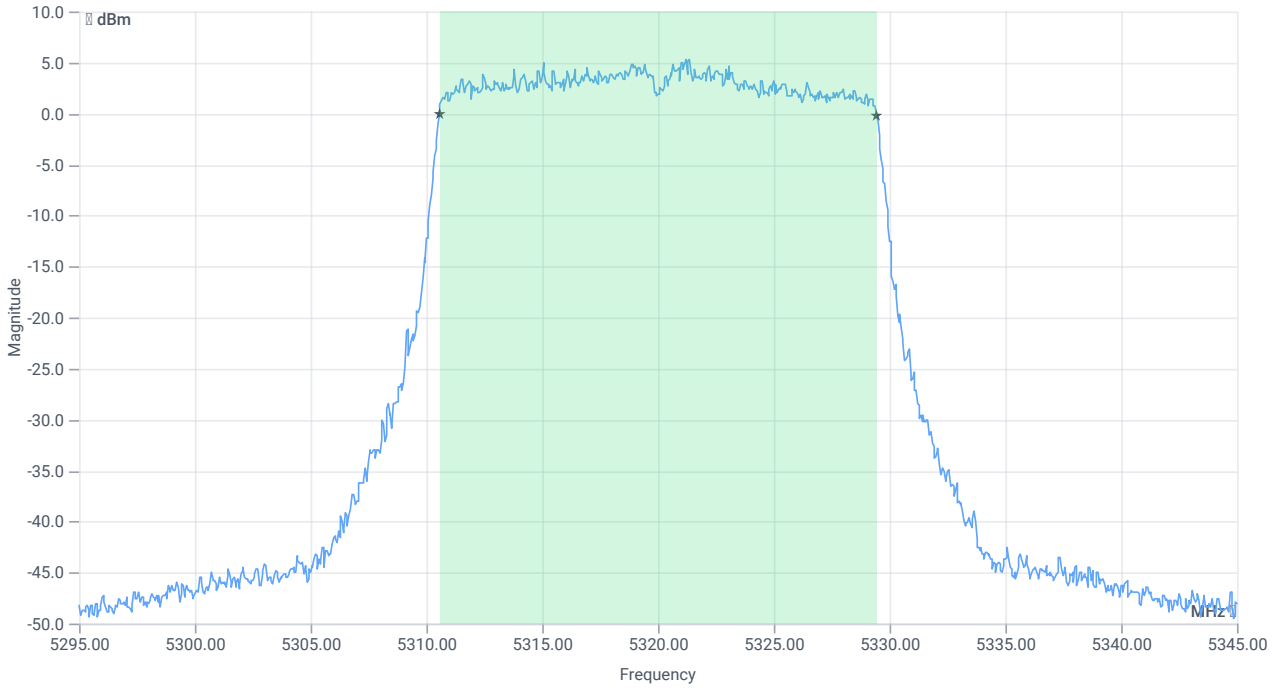
Test at TX 5320 MHz

RESULT: Reference power cond.

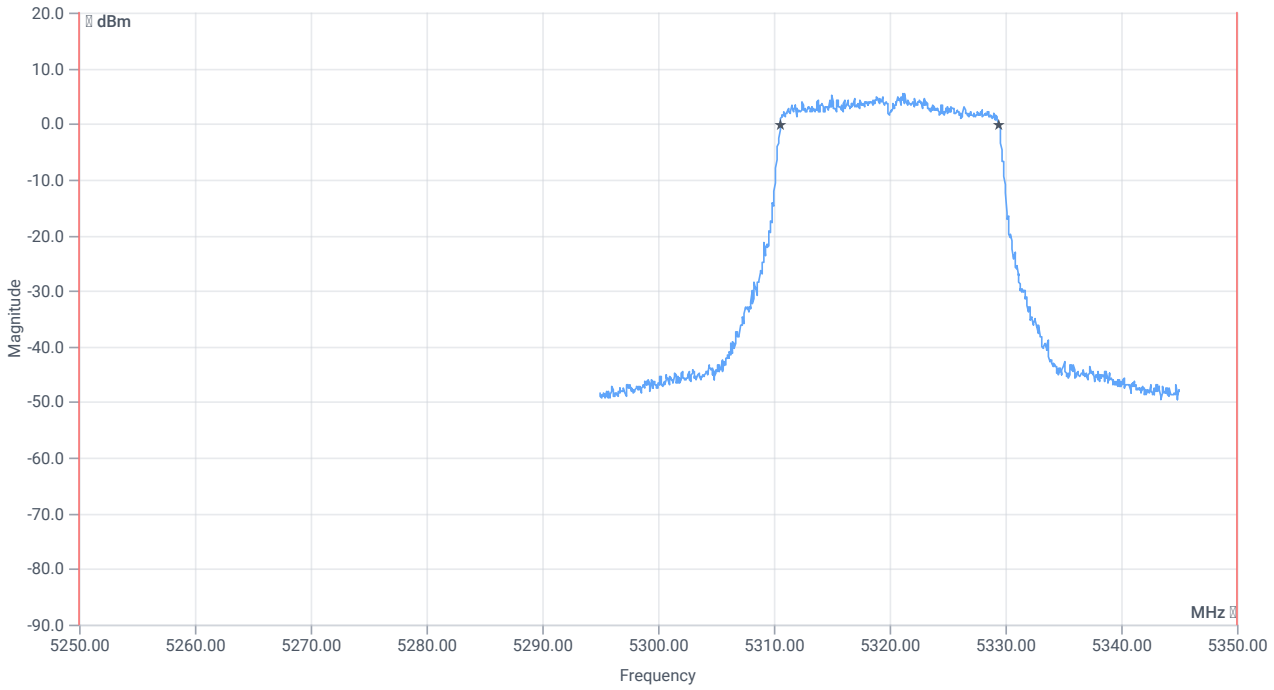
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.64	dBm	INFO
Ref. frequency	---	---	5317.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.64 | 14.65 | 20
Start [MHz] | Stop [MHz]	5295.000 | 5345.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



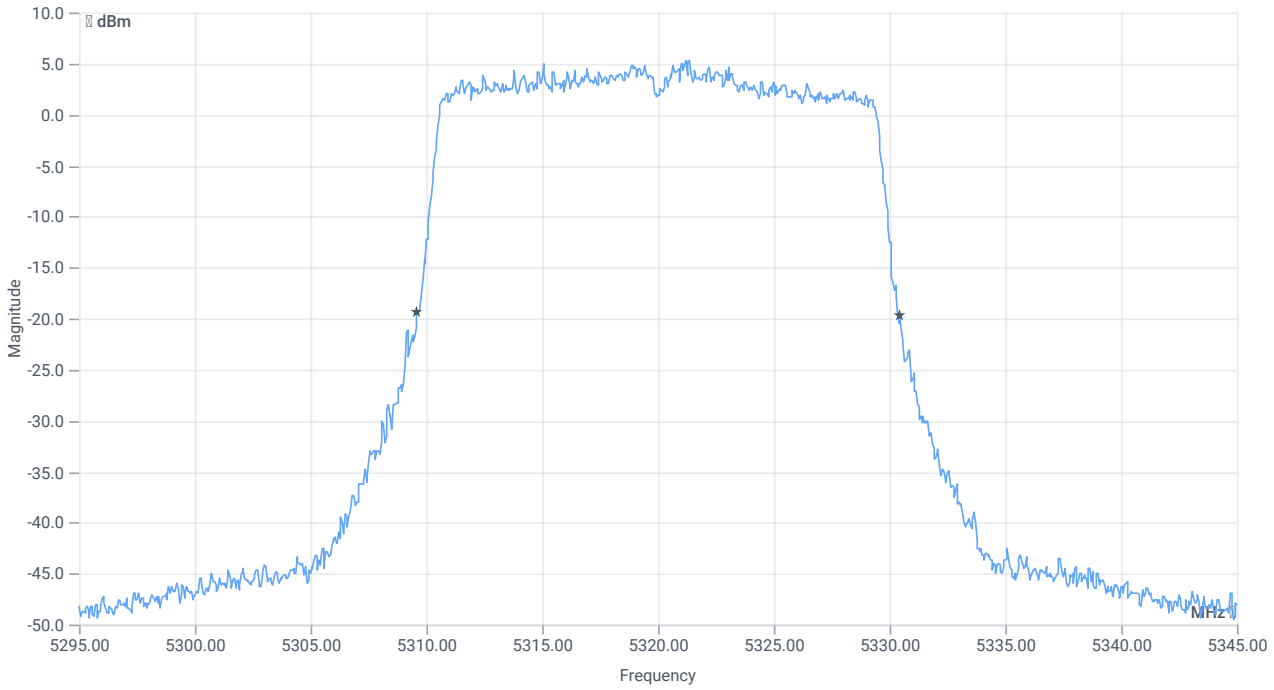
BW 99PCT



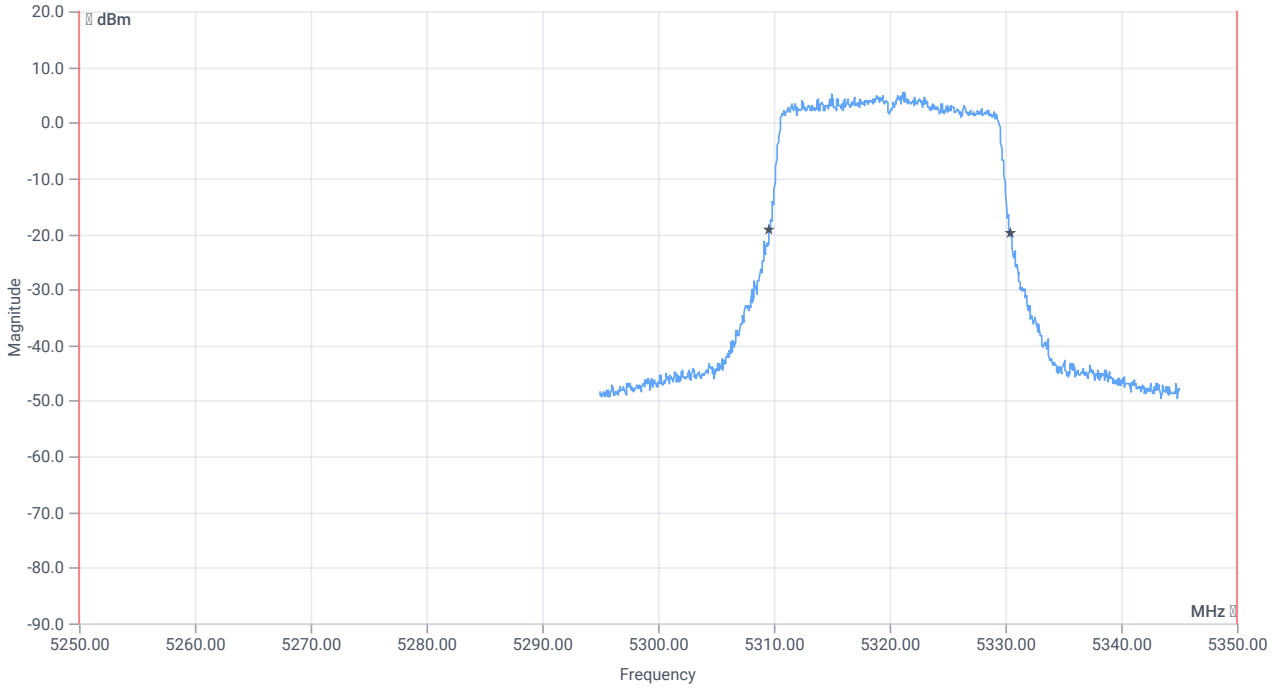
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.881	MHz	INFO
T1 99%	5250.000000	---	5310.5594	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5329.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.85	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5309.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.4500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2A

References

TC start	24.11.2025 15:22:20
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5260
Frequency mid to test	False | Freq [MHz] 5280
Frequency high to test	True | Freq [MHz] 5320
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

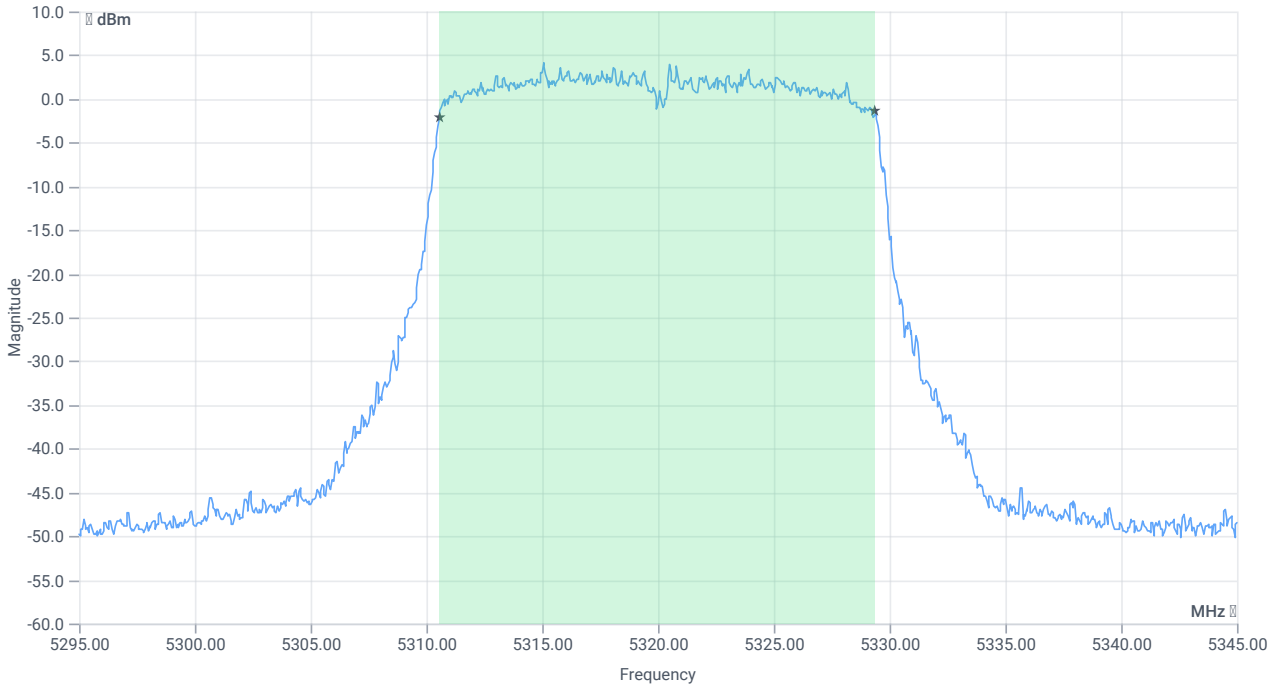
Test at TX 5320 MHz

RESULT: Reference power cond.

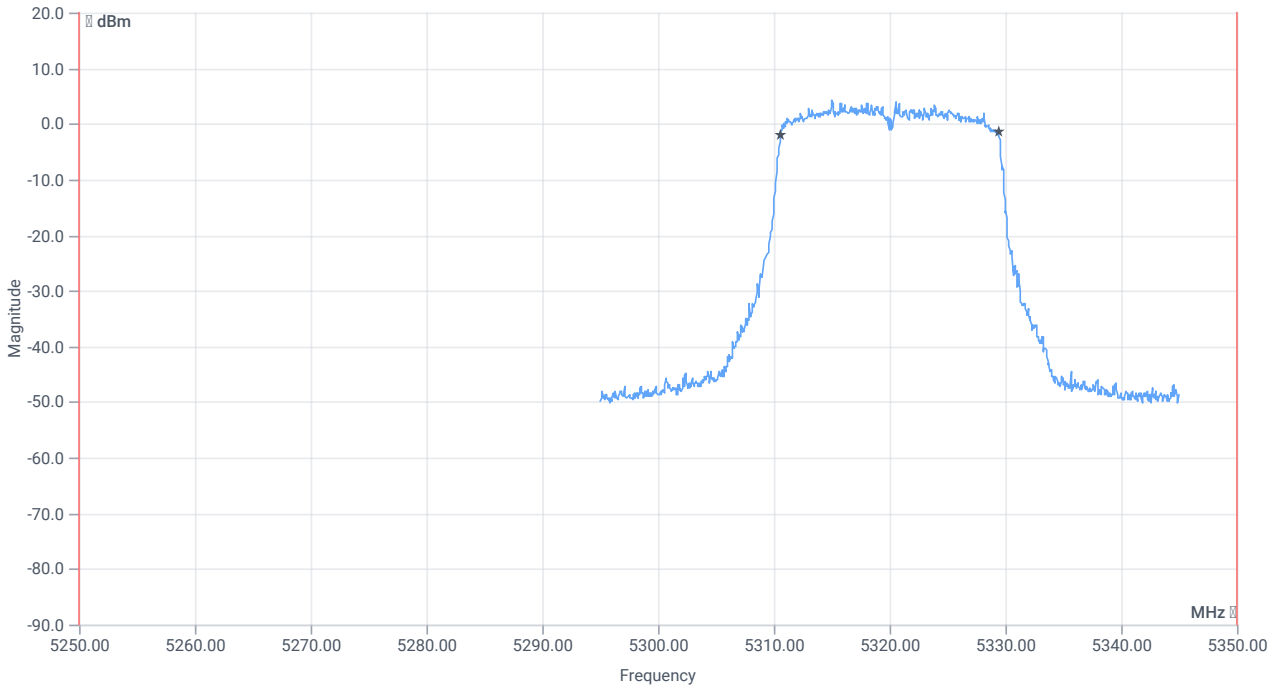
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.64	dBm	INFO
Ref. frequency	---	---	5316.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.65 | 14.17 | 20
Start [MHz] | Stop [MHz]	5295.000 | 5345.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



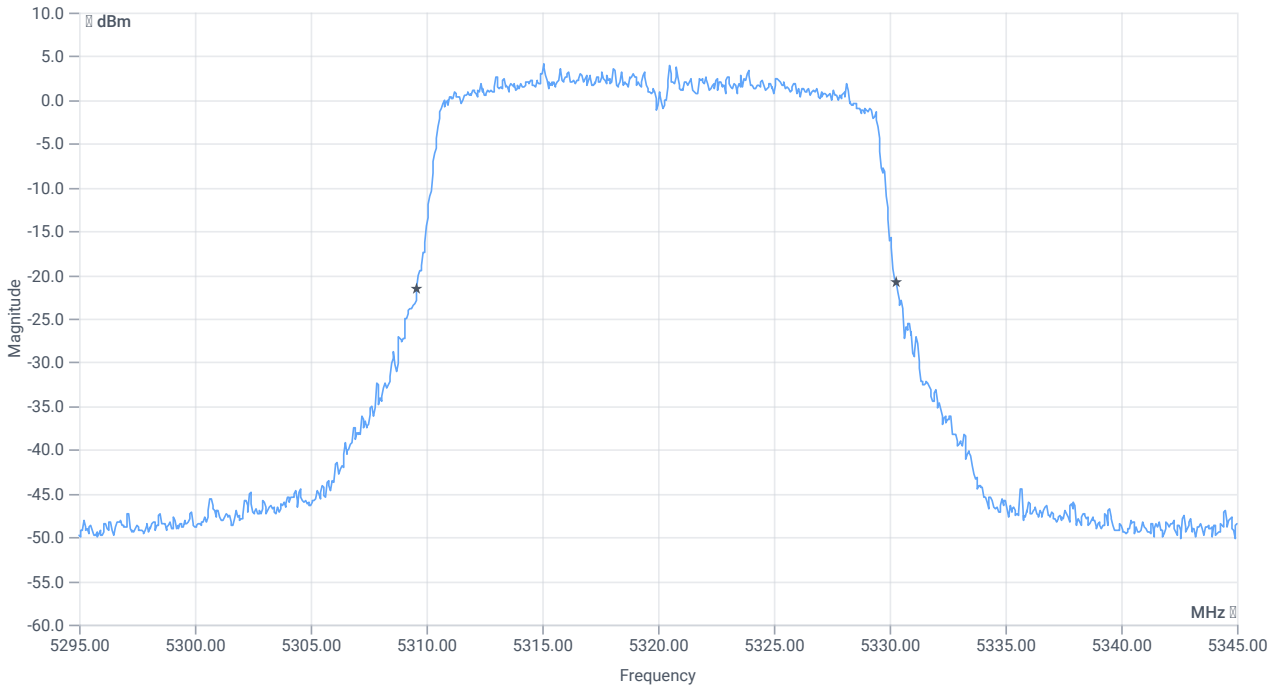
BW 99PCT



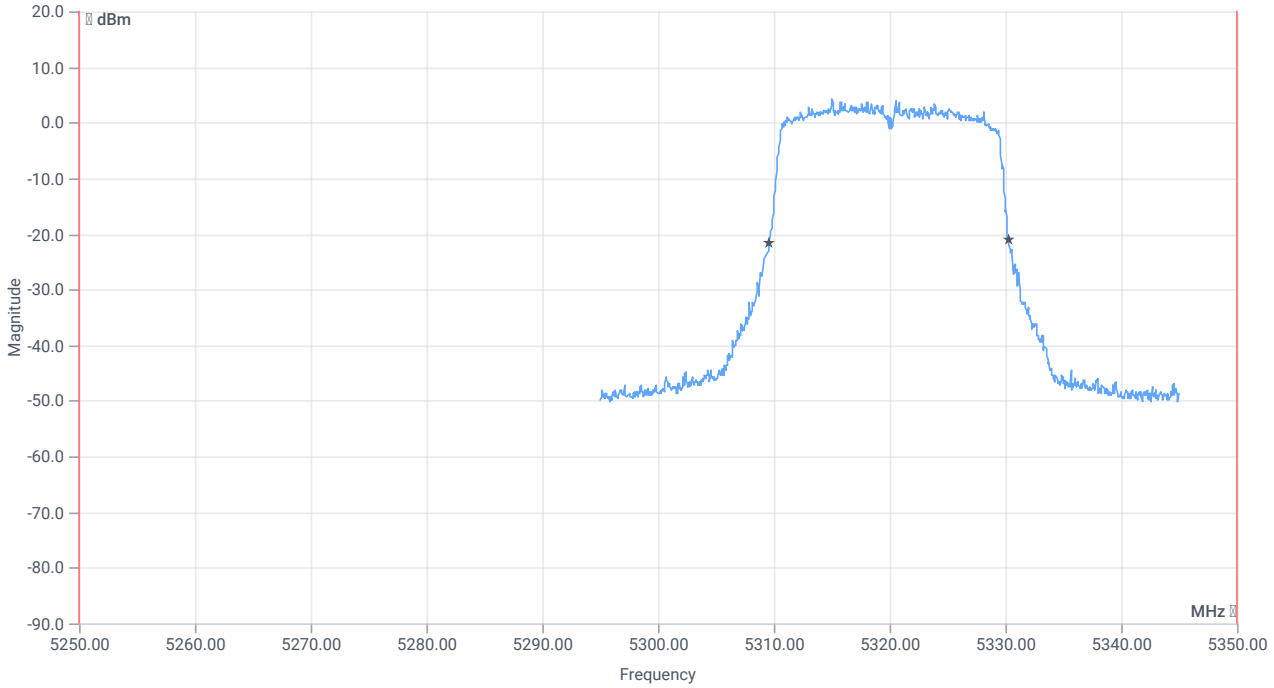
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5250.000000	---	5310.5594	MHz	PASS since U-NII-1 is supported
T2 99%	---	5350.000000	5329.3906	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.7	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	---	5309.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	---	5350.000000	5330.3000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:31:09
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

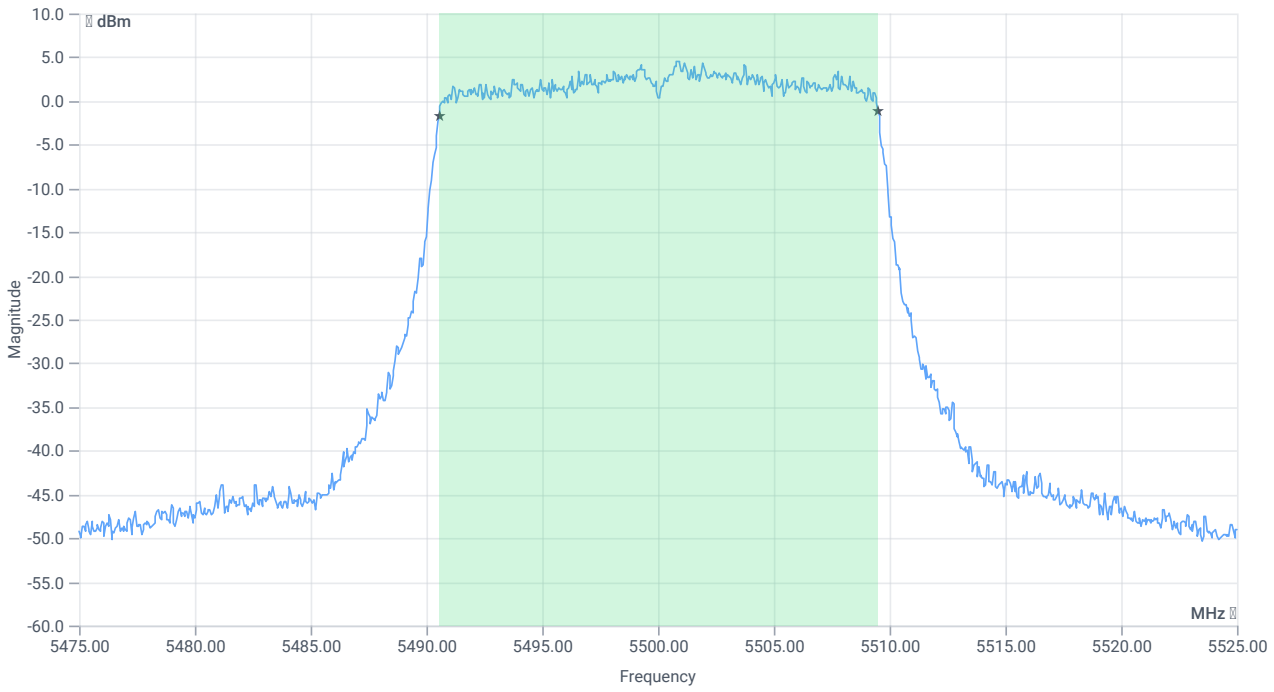
Test at TX 5500 MHz

RESULT: Reference power cond.

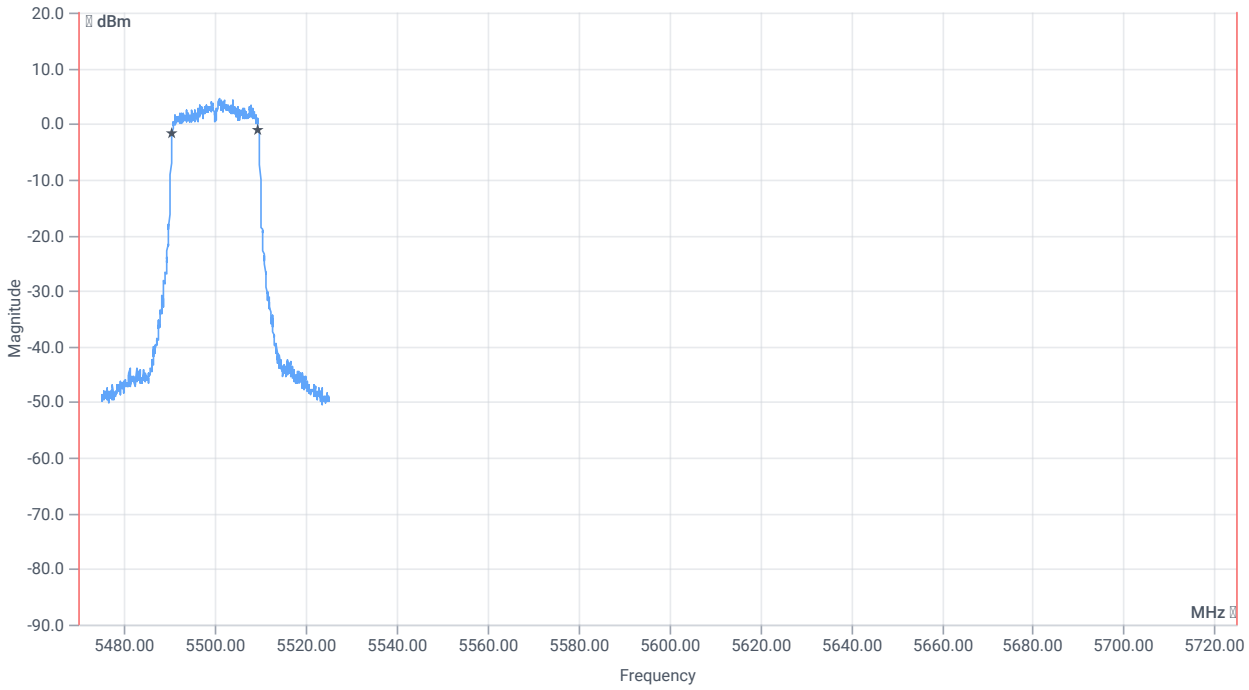
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.29	dBm	INFO
Ref. frequency	---	---	5501.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.29 | 14.36 | 20
Start [MHz] | Stop [MHz]	5475.000 | 5525.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



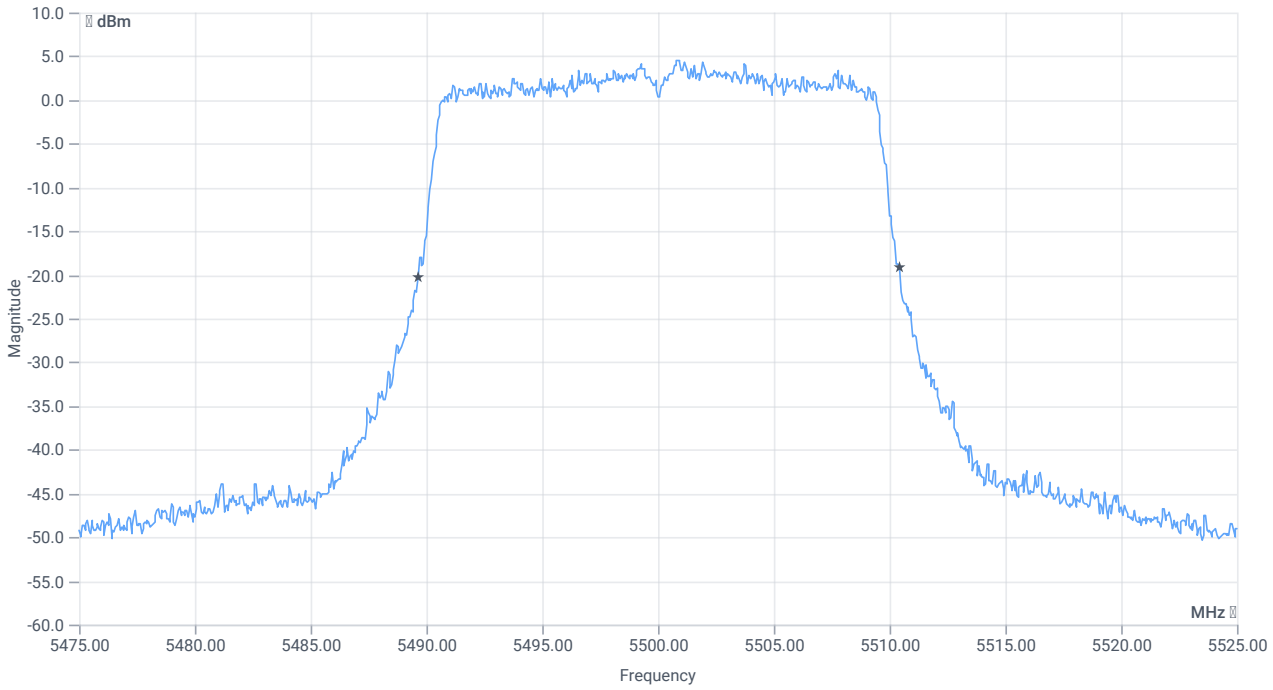
BW 99PCT



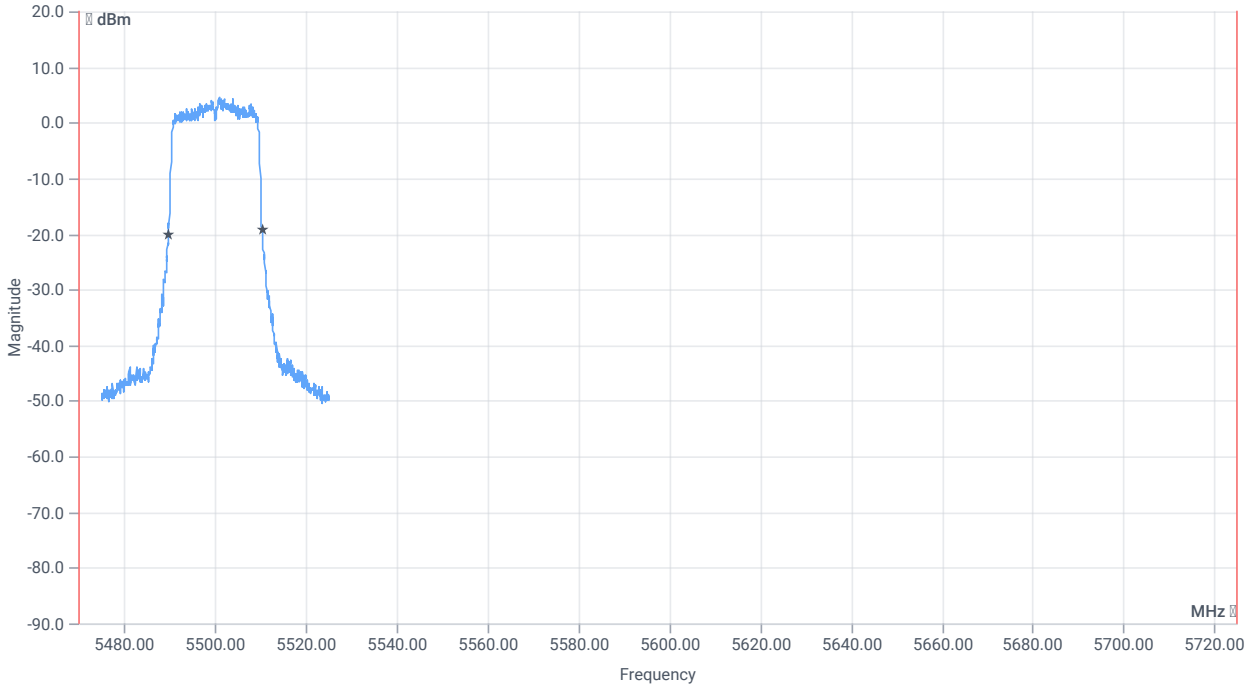
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5470.000000	---	5490.5594	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5509.4905	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5489.6500	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5510.4500	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:35:16
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

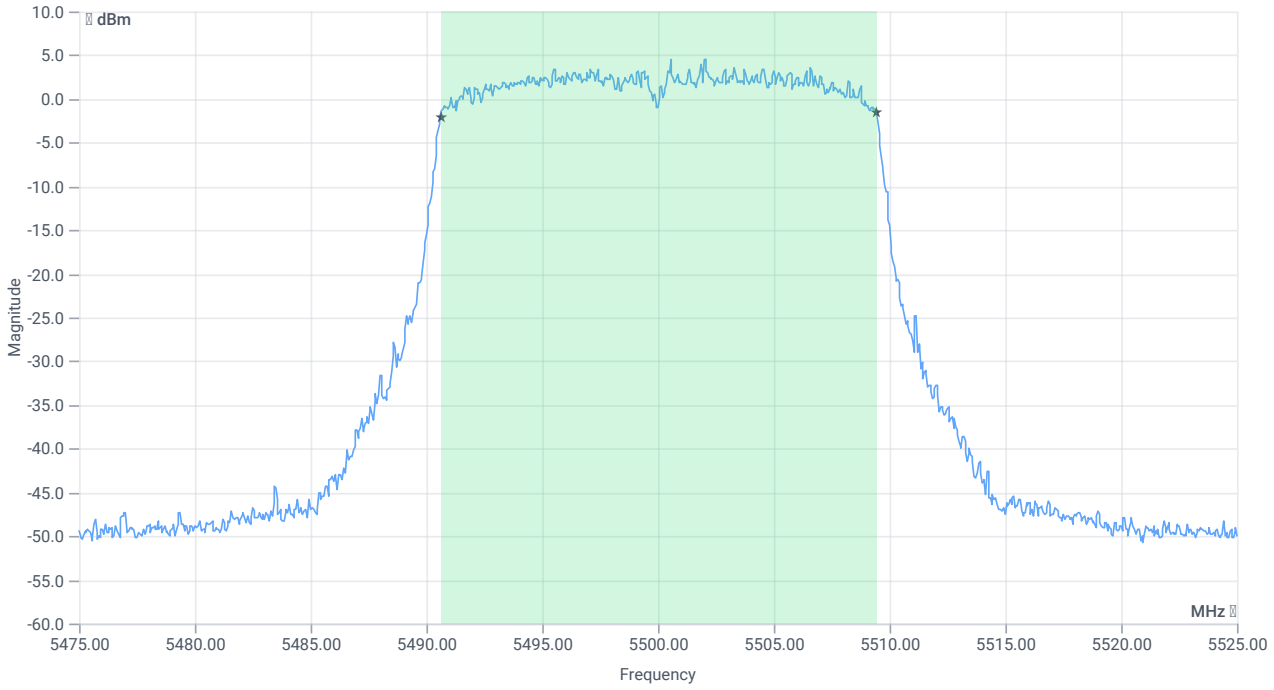
Test at TX 5500 MHz

RESULT: Reference power cond.

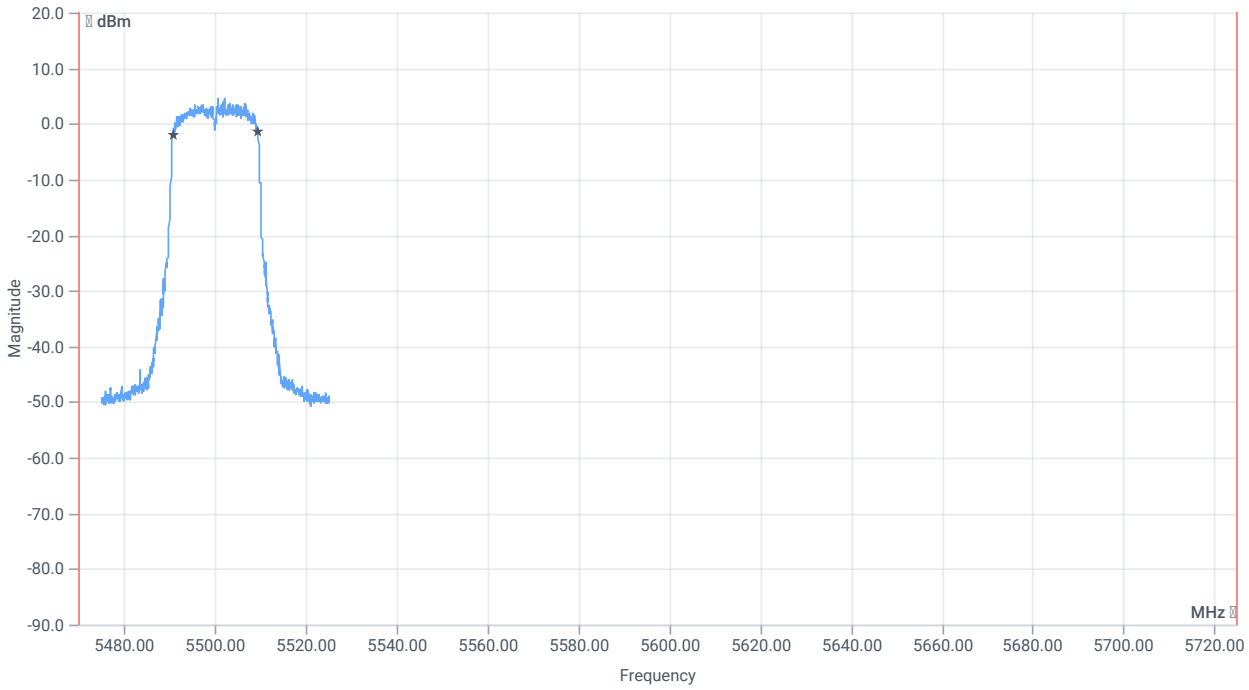
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.93	dBm	INFO
Ref. frequency	---	---	5497.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.93 | 13.97 | 20
Start [MHz] | Stop [MHz]	5475.000 | 5525.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



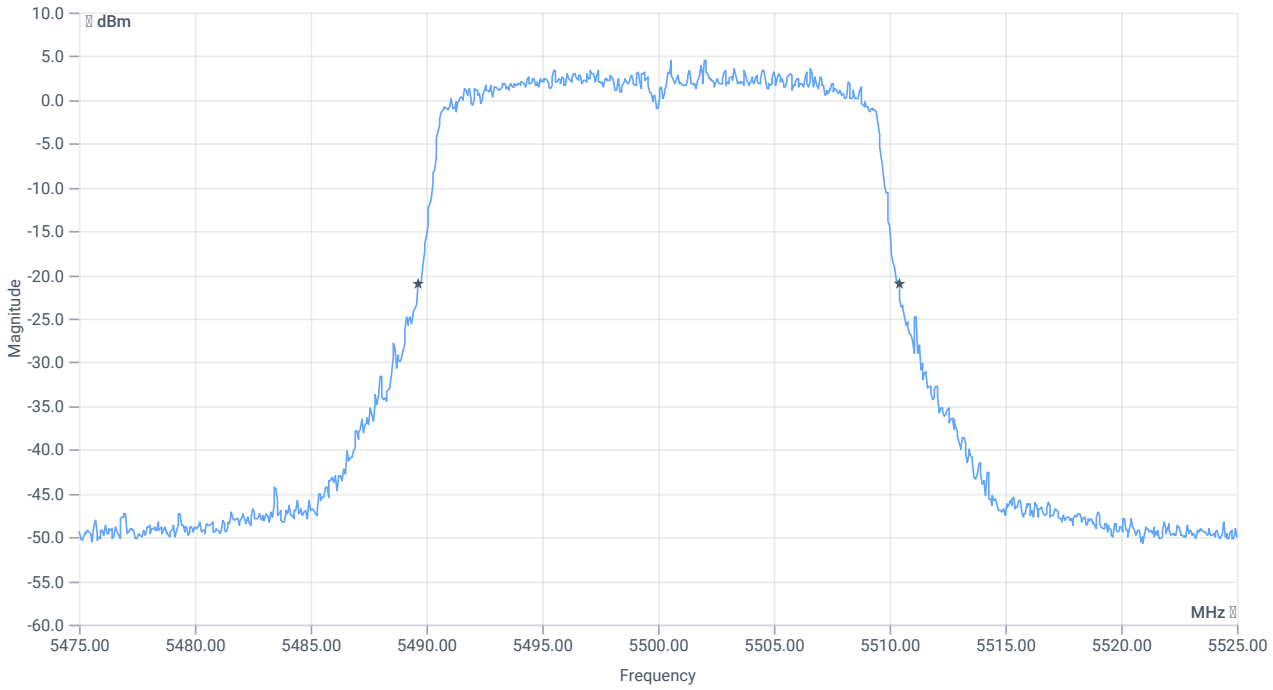
BW 99PCT



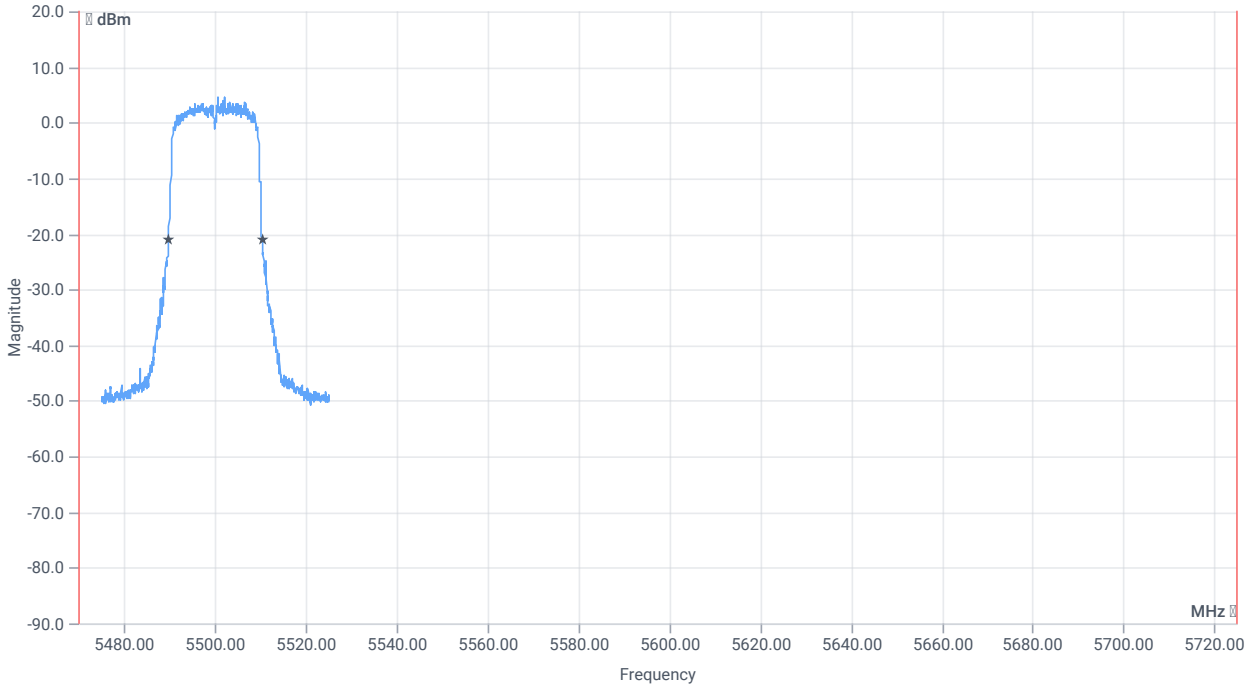
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5470.000000	---	5490.6094	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5509.4406	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.75	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5489.6500	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5510.4000	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:40:11
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
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

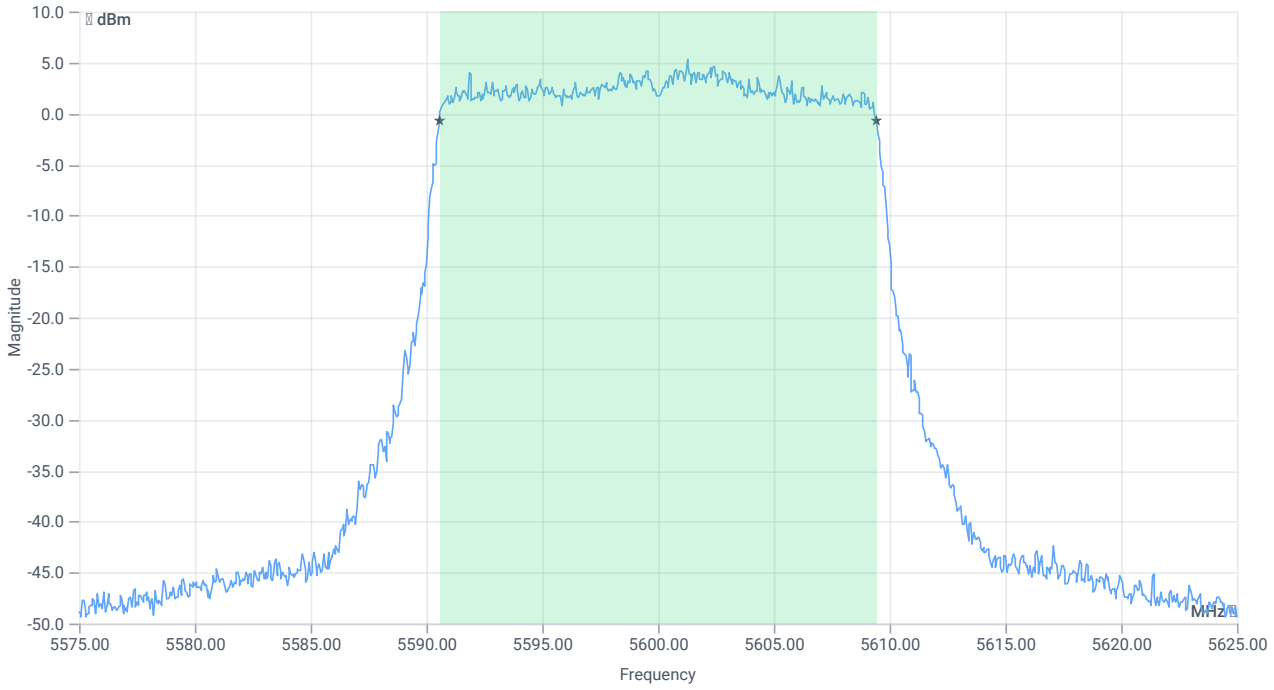
Test at TX 5600 MHz

RESULT: Reference power cond.

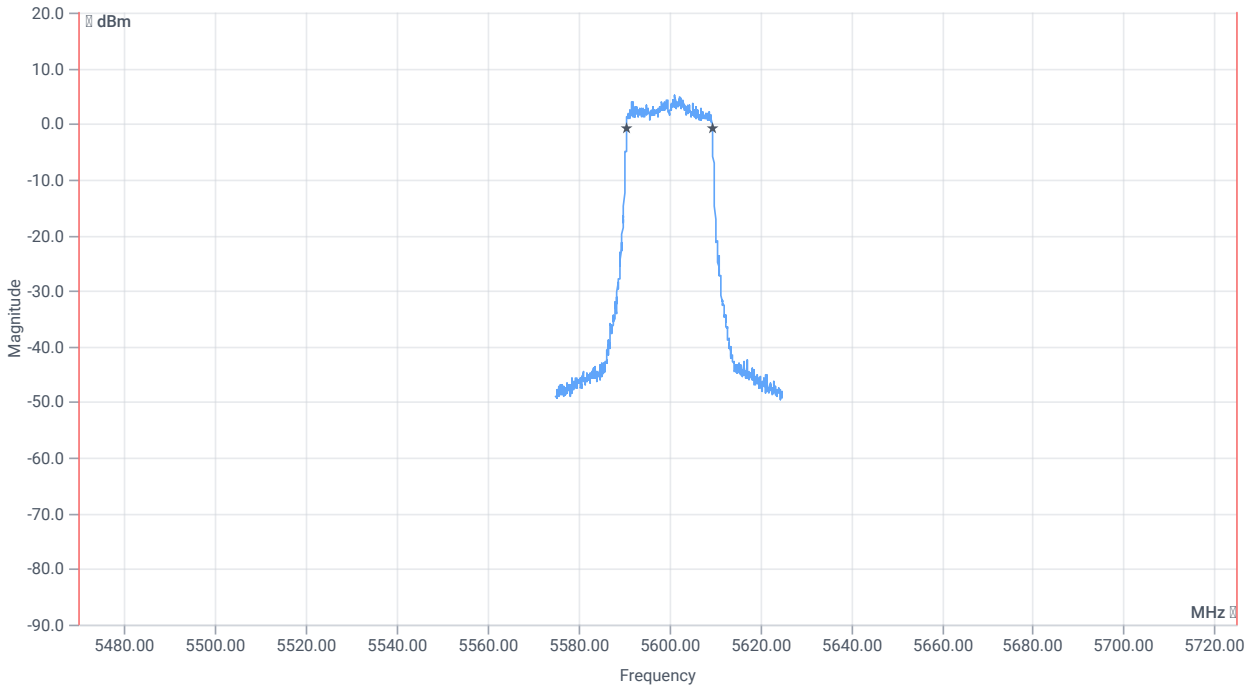
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.67	dBm	INFO
Ref. frequency	---	---	5601.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.67 | 14.88 | 20
Start [MHz] | Stop [MHz]	5575.000 | 5625.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



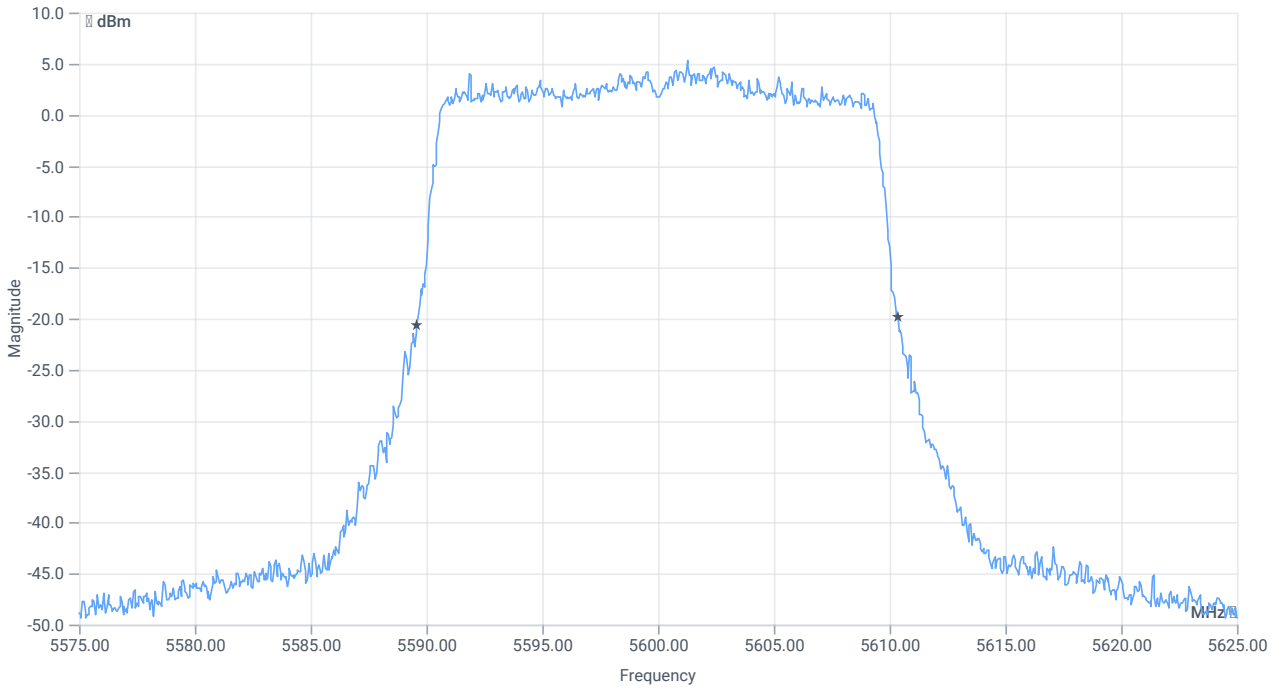
BW 99PCT



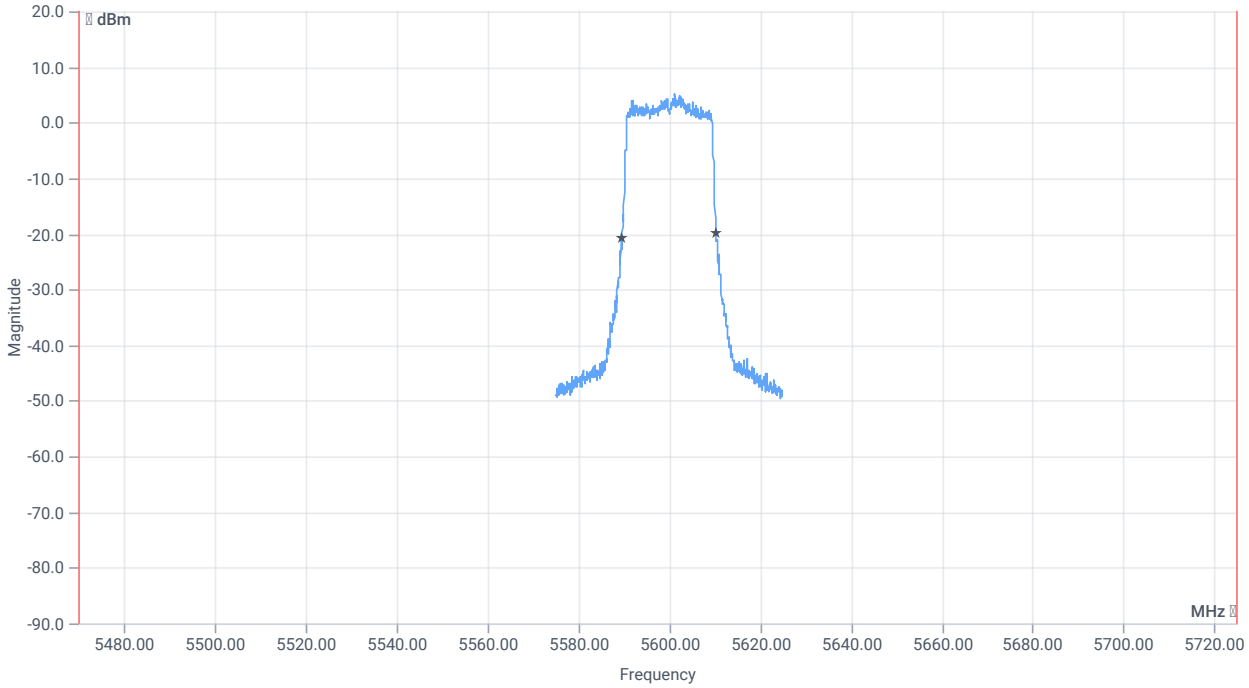
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.881	MHz	INFO
T1 99%	5470.000000	---	5590.5594	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5609.4406	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.75	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5589.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.3500	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:44:17
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	True | Freq [MHz] 5600
Frequency high to test	False | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

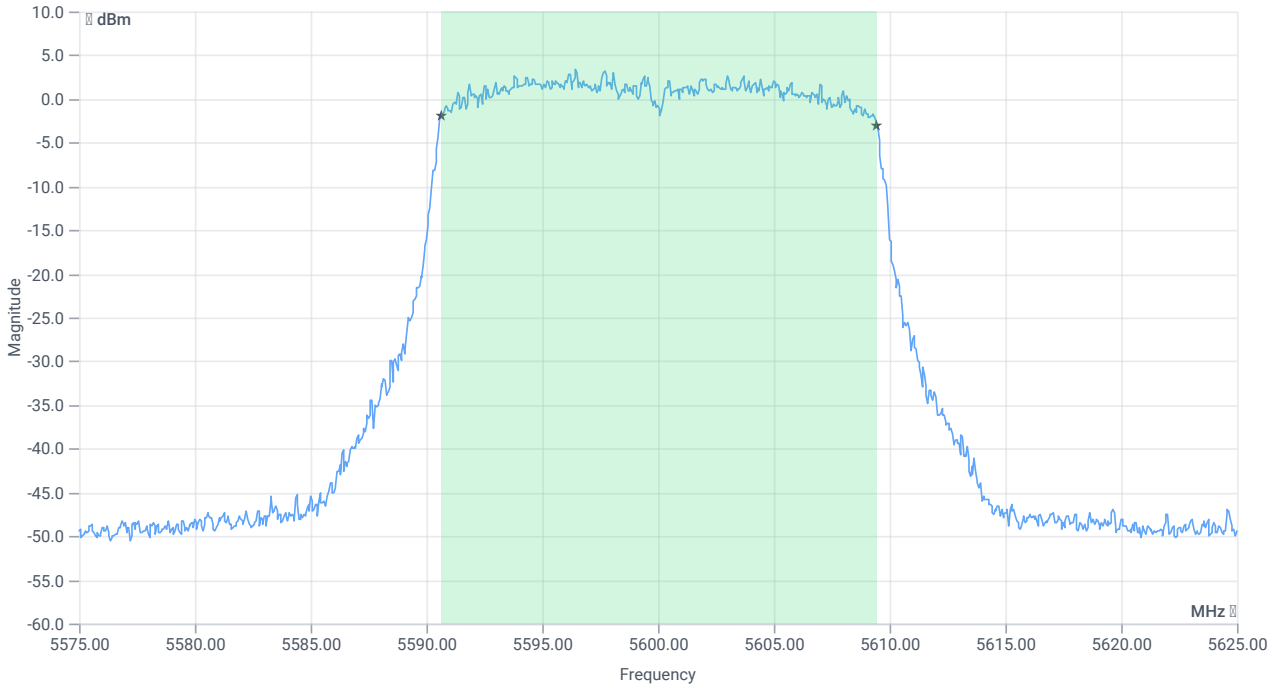
Test at TX 5600 MHz

RESULT: Reference power cond.

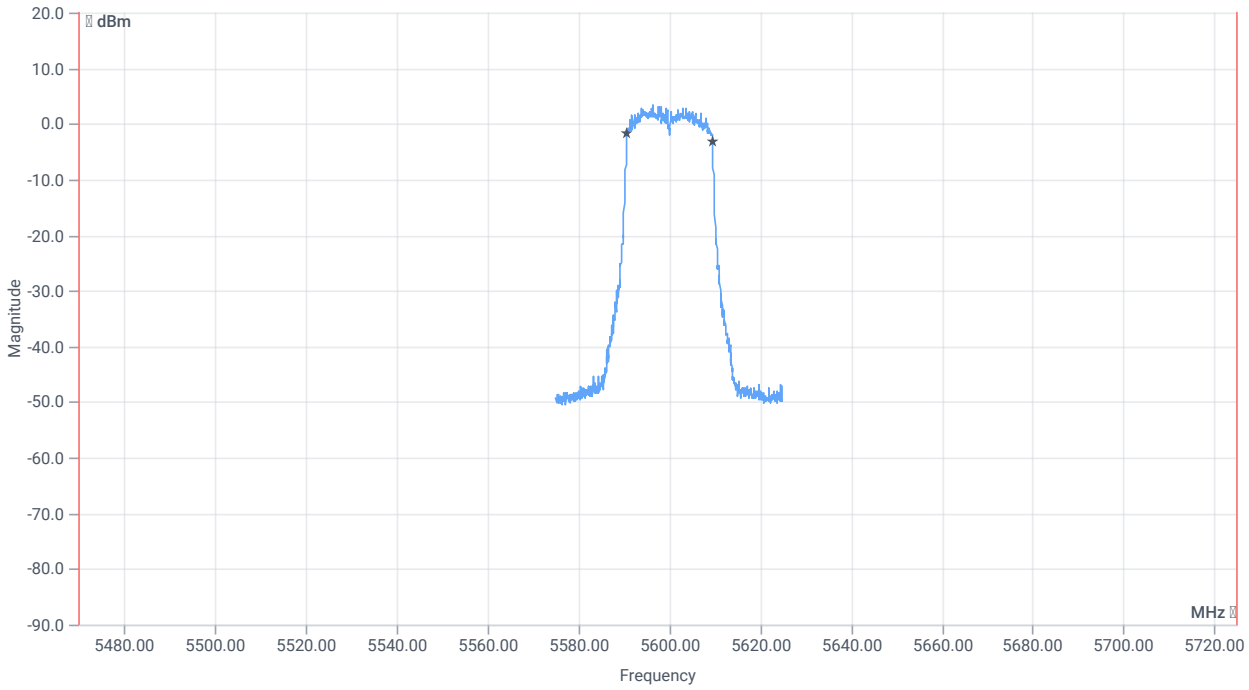
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.52	dBm	INFO
Ref. frequency	---	---	5594.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.52 | 14.14 | 20
Start [MHz] | Stop [MHz]	5575.000 | 5625.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



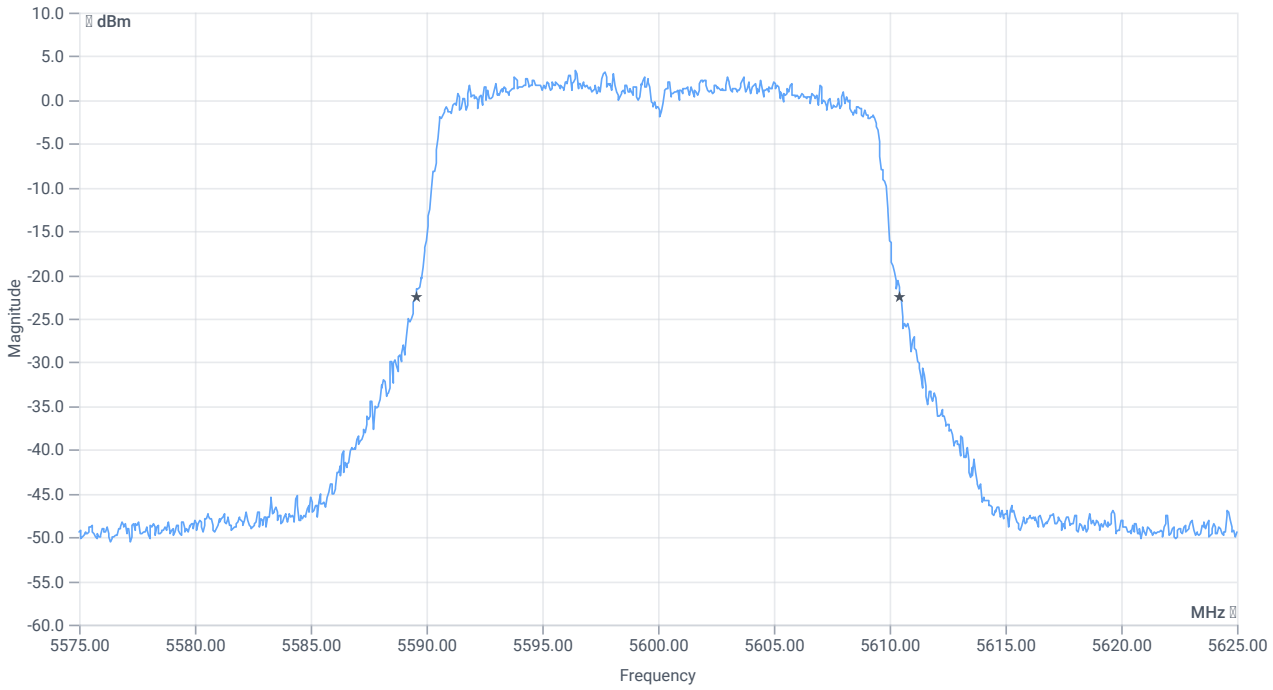
BW 99PCT



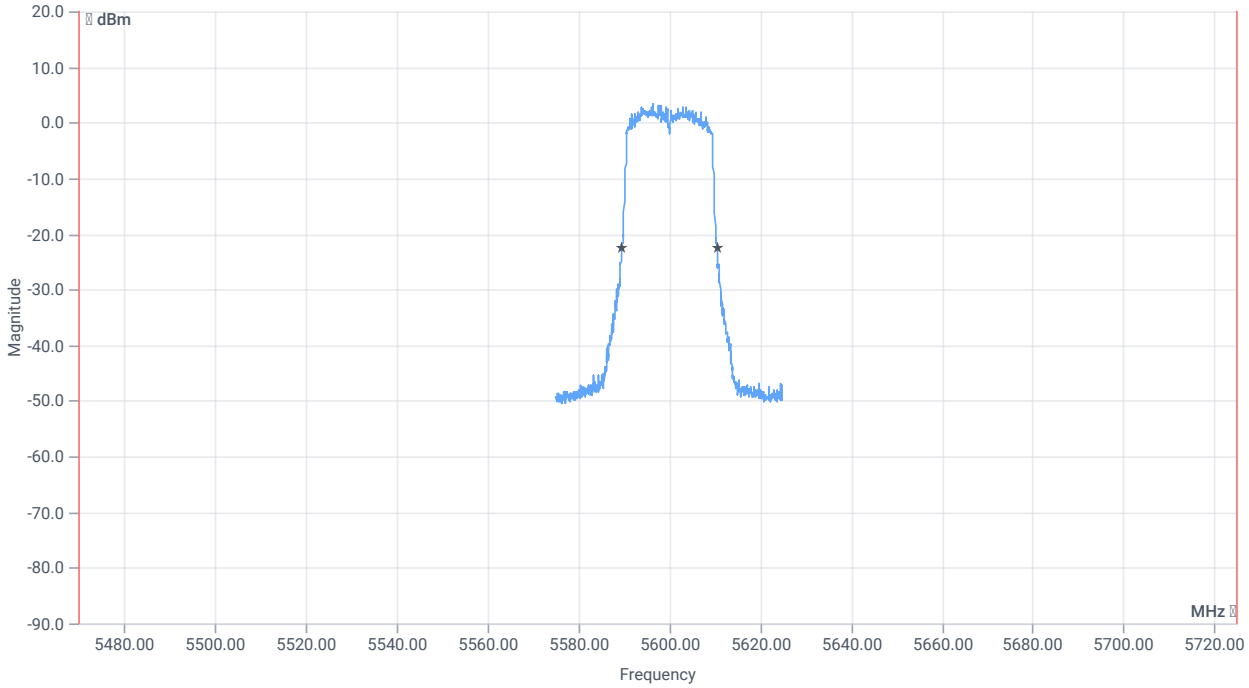
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5470.000000	---	5590.6094	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5609.4406	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.9	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5589.5500	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5610.4500	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:49:22
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

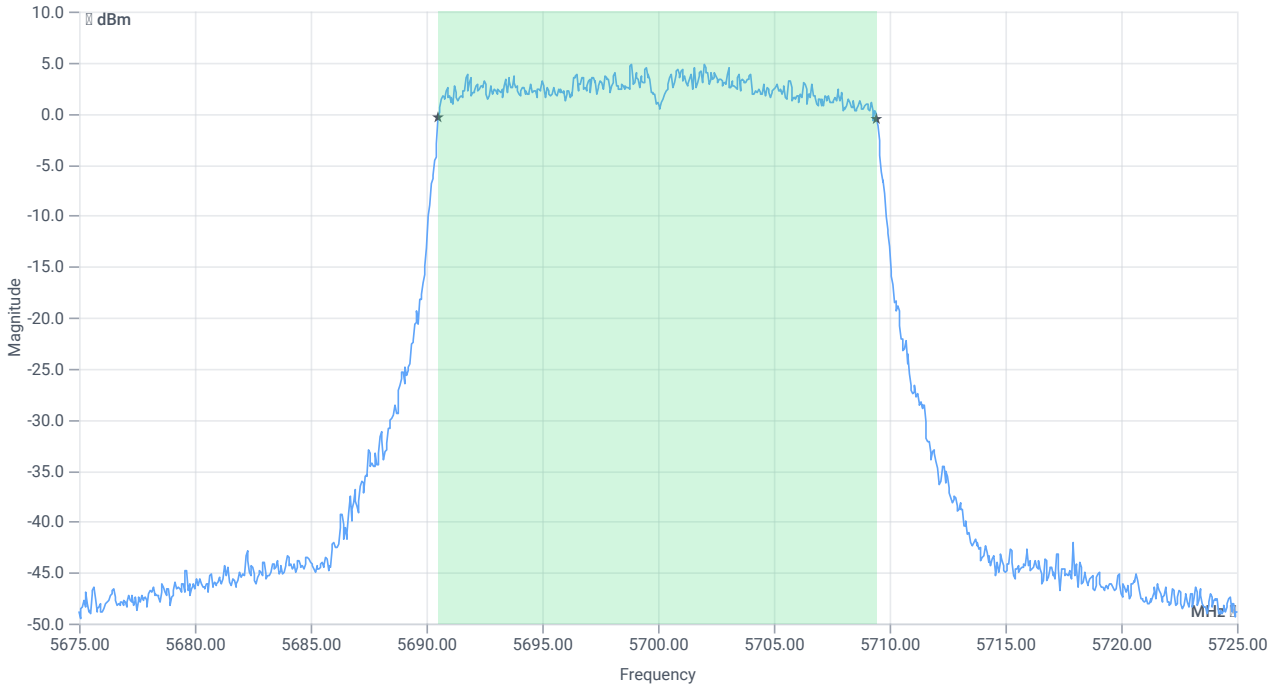
Test at TX 5700 MHz

RESULT: Reference power cond.

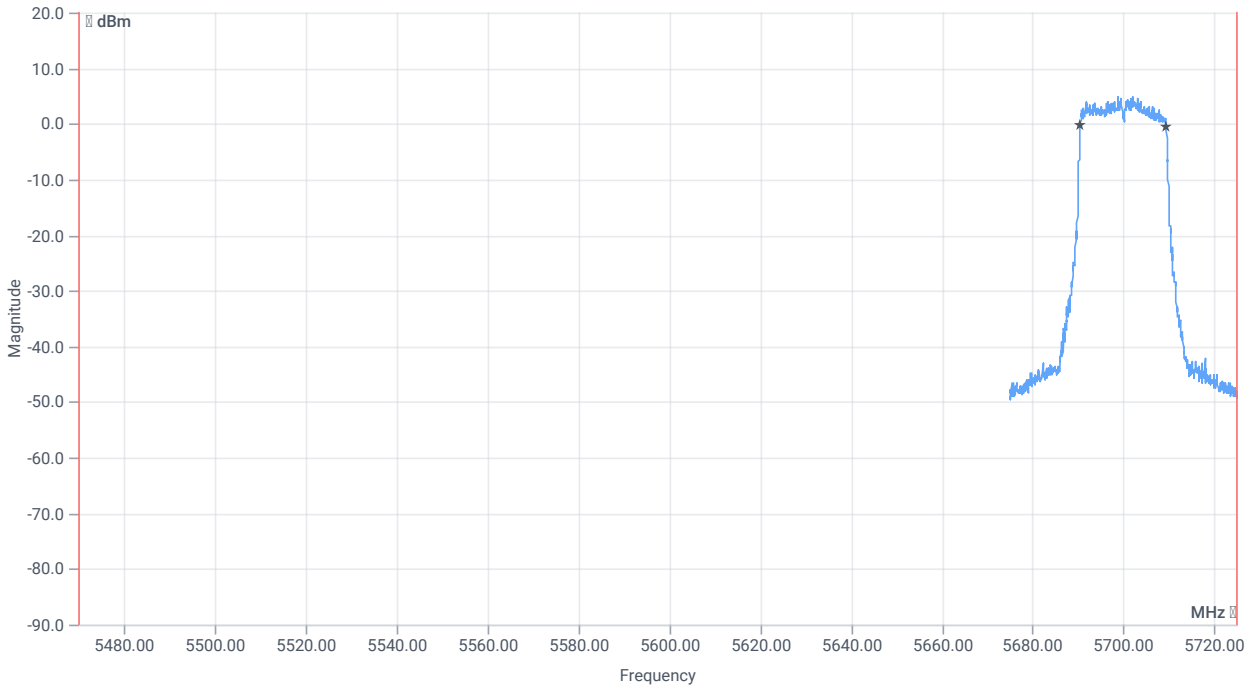
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.52	dBm	INFO
Ref. frequency	---	---	5704.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.52 | 14.62 | 20
Start [MHz] | Stop [MHz]	5675.000 | 5725.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



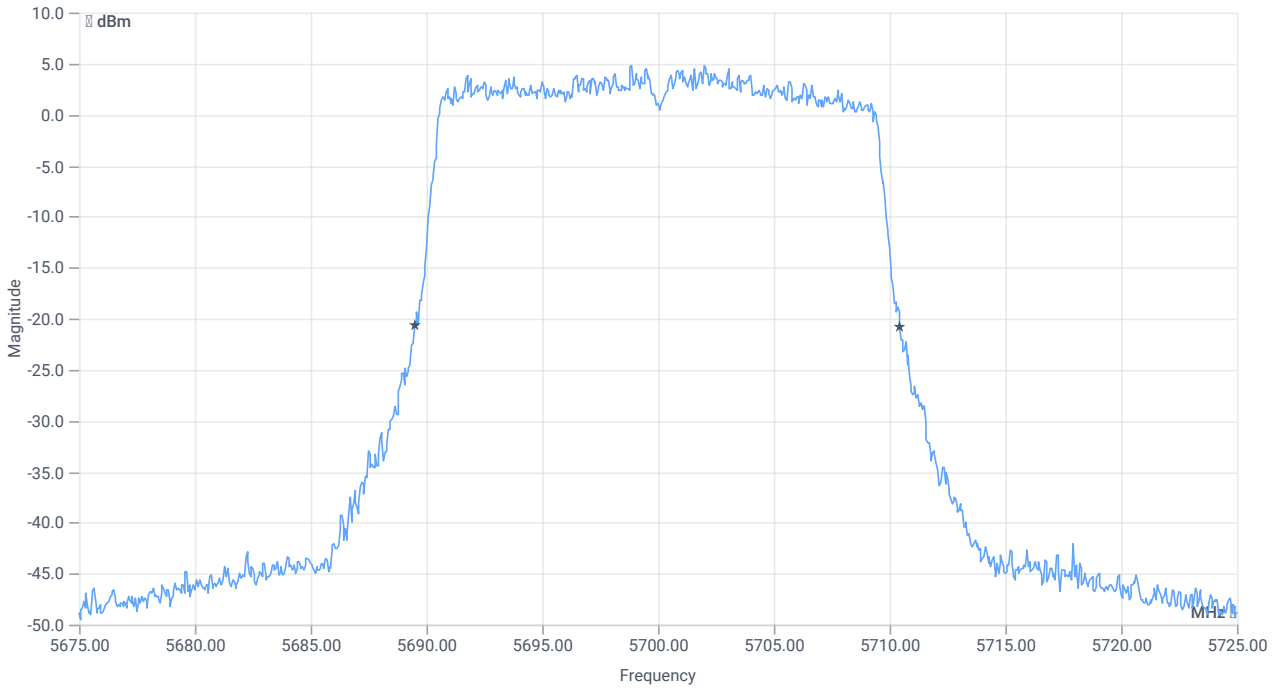
BW 99PCT



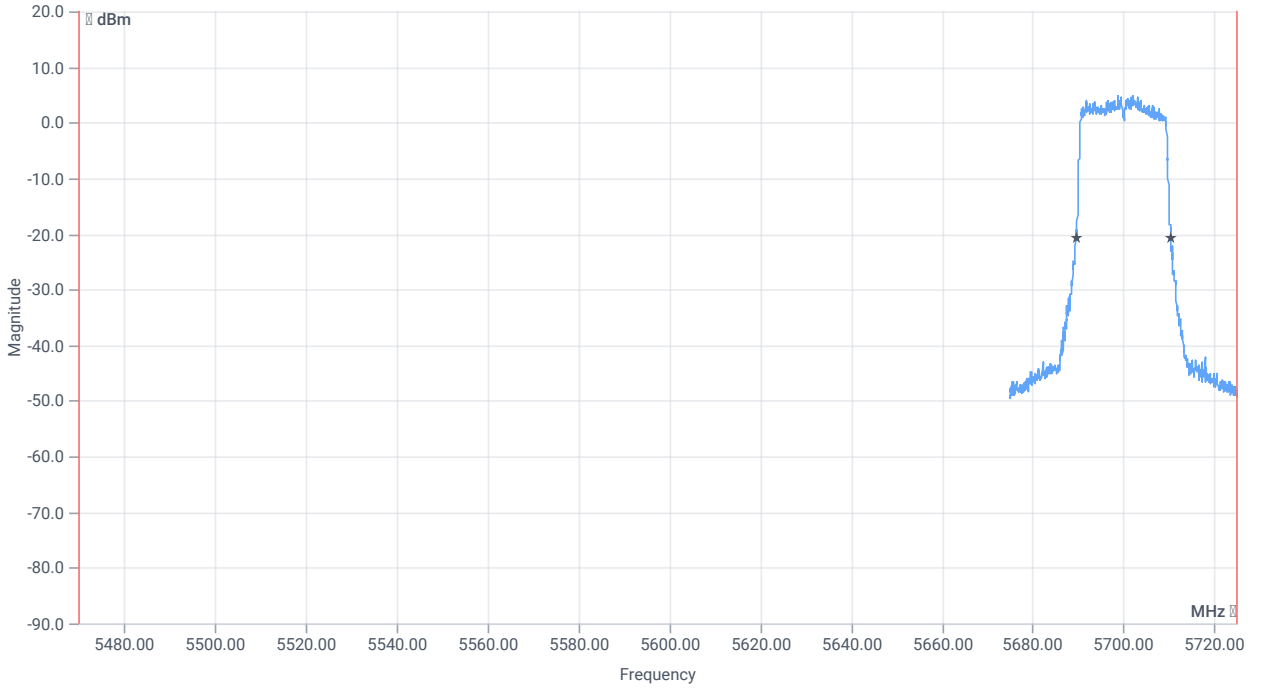
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5470.000000	---	5690.5095	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5709.4406	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.95	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5689.5000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5710.4500	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-2C

References

TC start	24.11.2025 15:53:28
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5500
Frequency mid to test	False | Freq [MHz] 5600
Frequency high to test	True | Freq [MHz] 5700
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

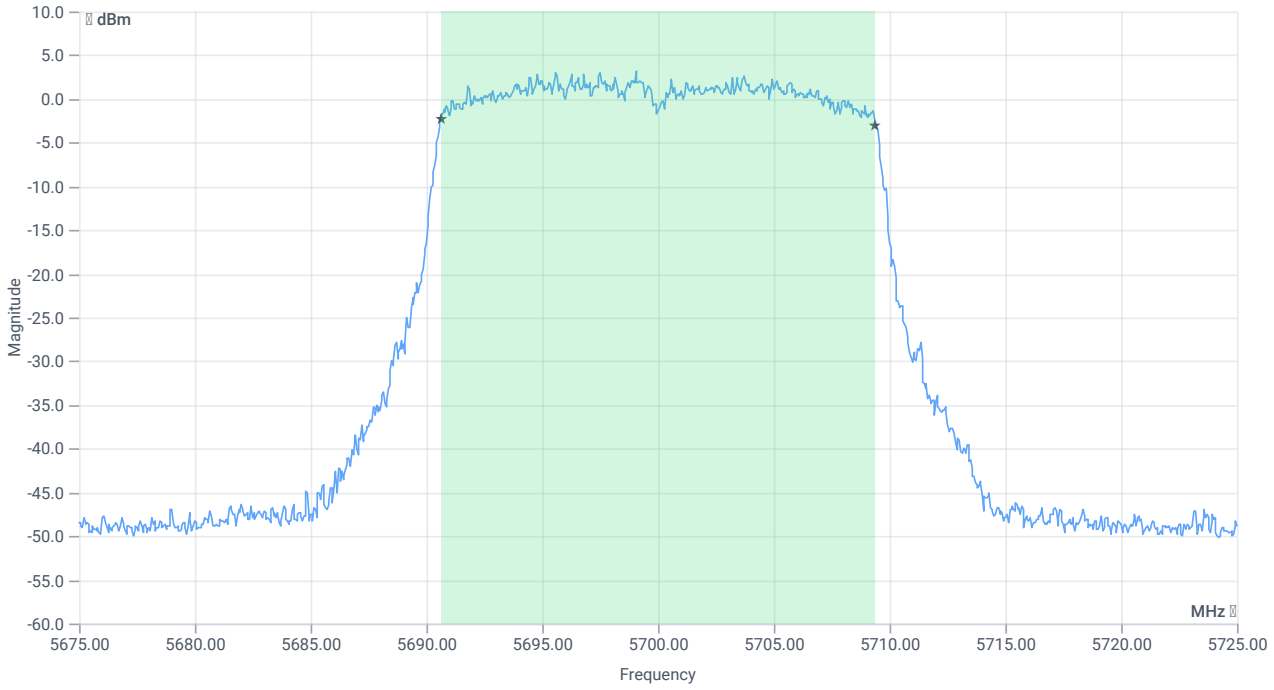
Test at TX 5700 MHz

RESULT: Reference power cond.

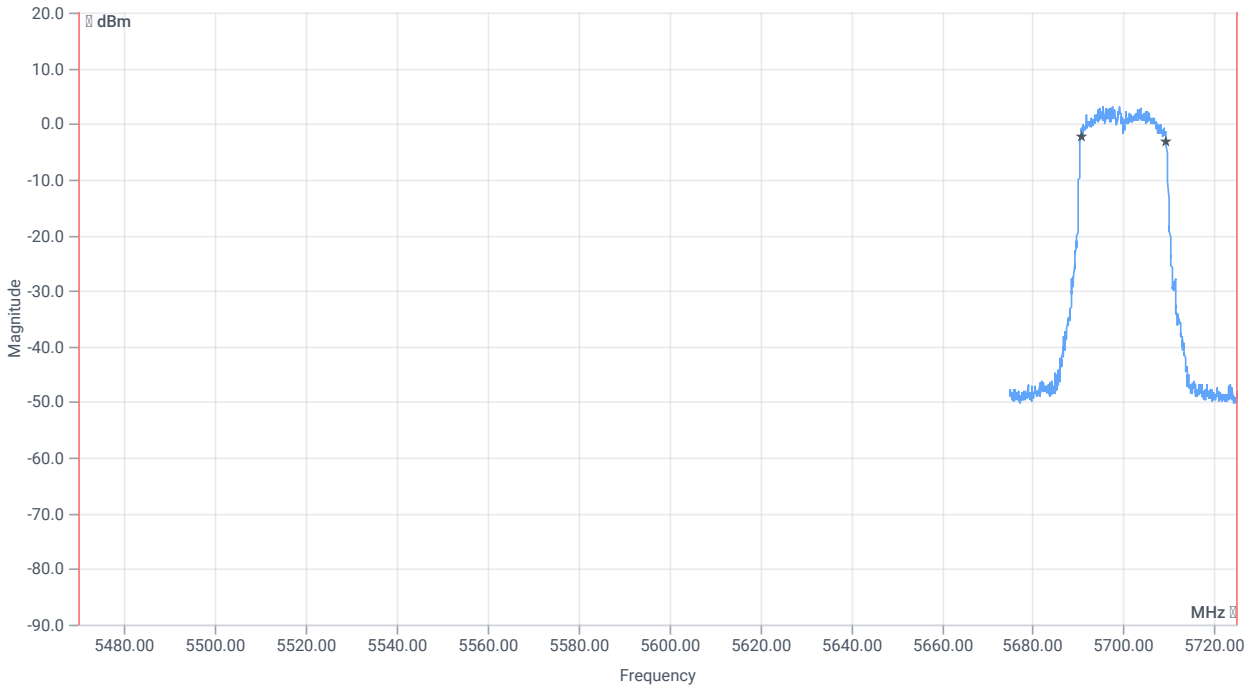
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.64	dBm	INFO
Ref. frequency	---	---	5699.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.64 | 13.87 | 20
Start [MHz] | Stop [MHz]	5675.000 | 5725.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



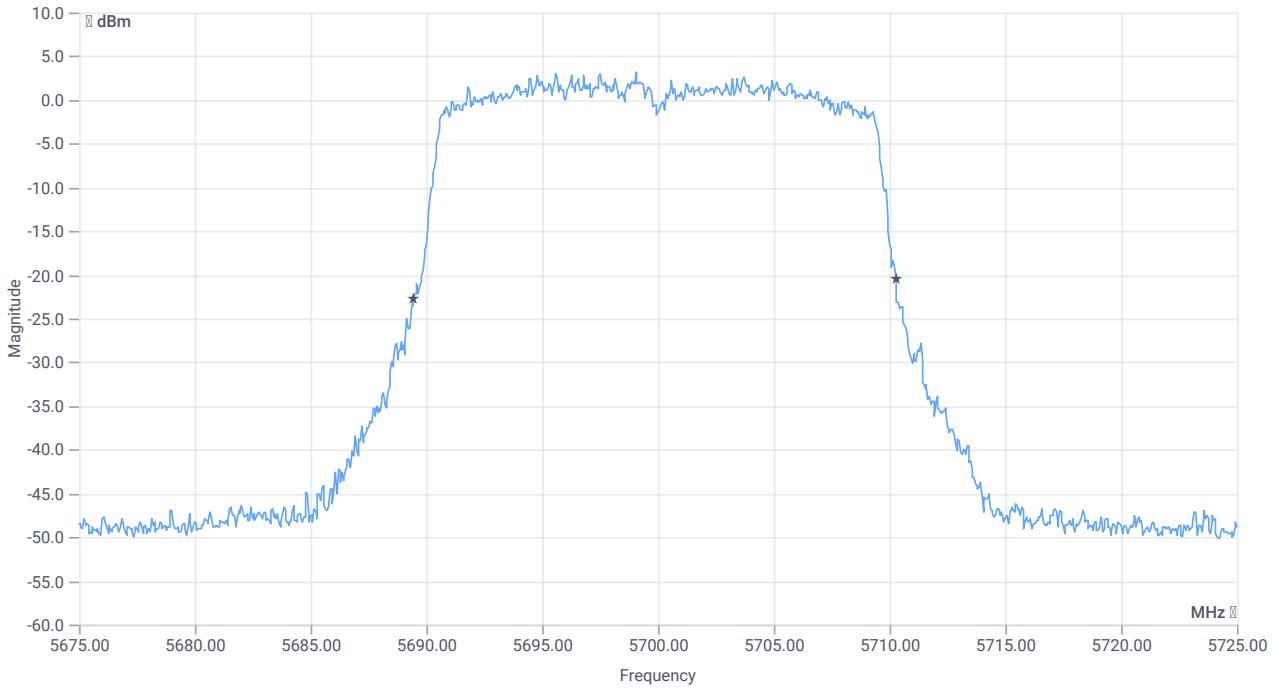
BW 99PCT



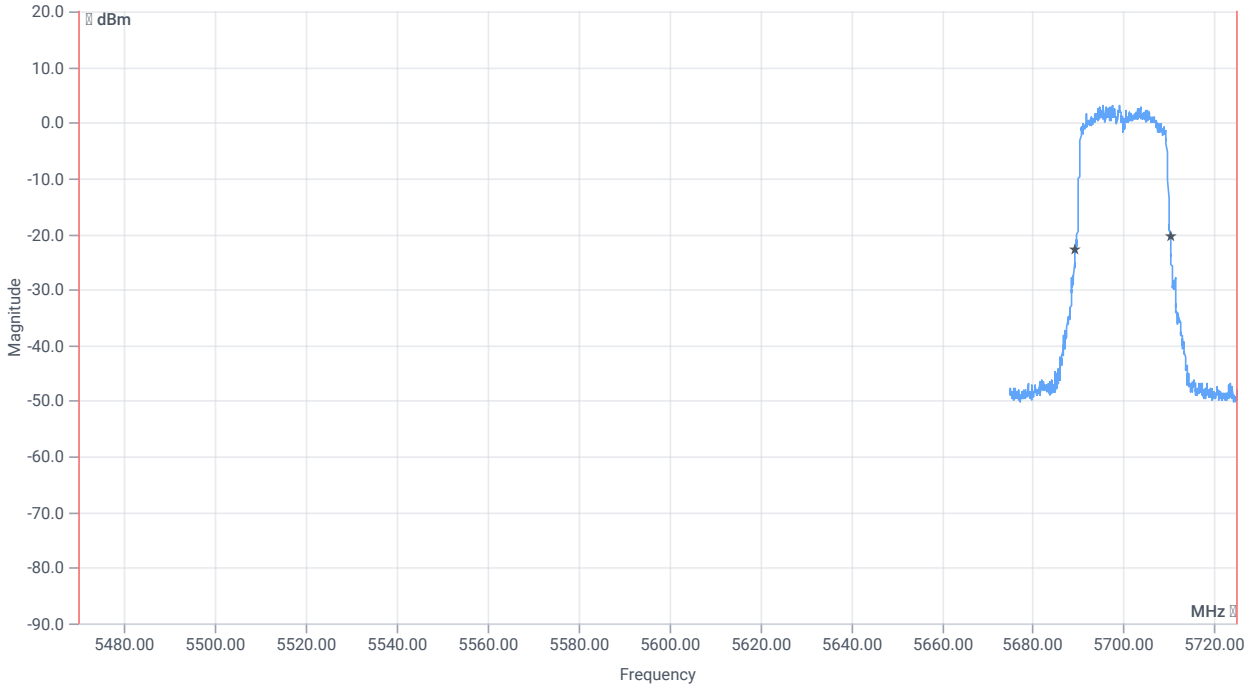
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.781	MHz	INFO
T1 99%	5470.000000	---	5690.6094	MHz	PASS since U-NII-3 is supported
T2 99%	---	5725.000000	5709.3906	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.85	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	---	5689.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	---	5725.000000	5710.2500	MHz	

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 12:39:14
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

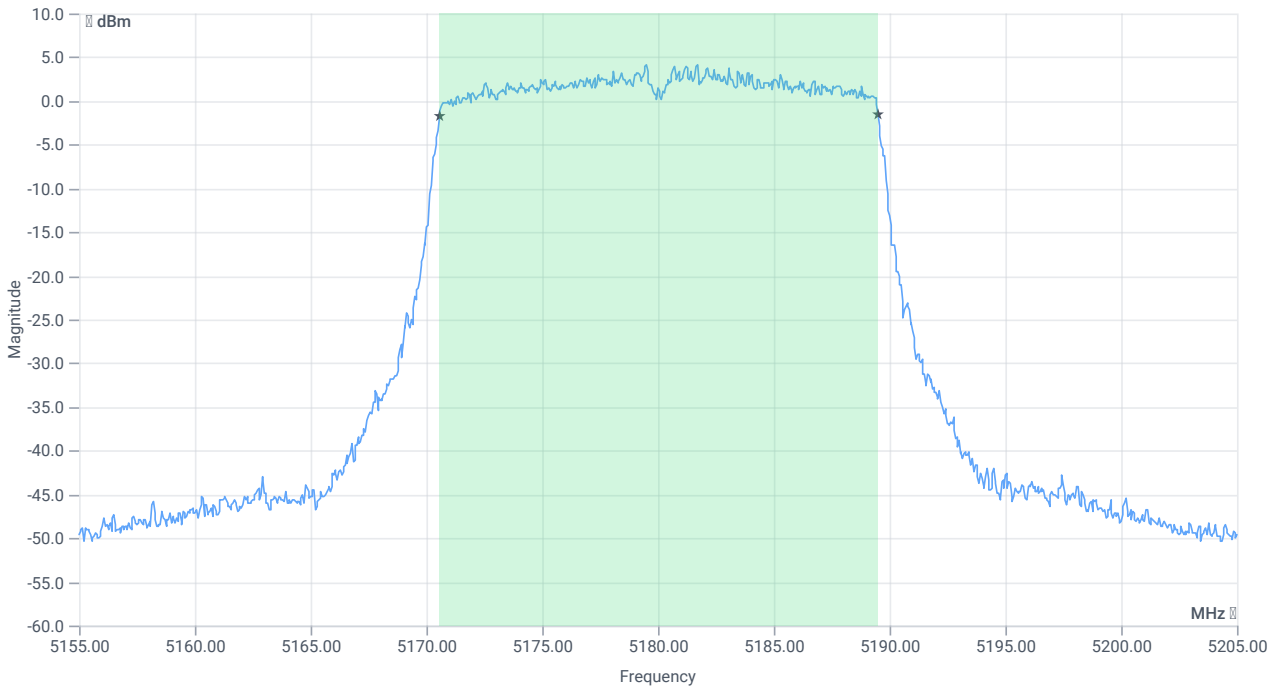
Test at TX 5180 MHz

RESULT: Reference power cond.

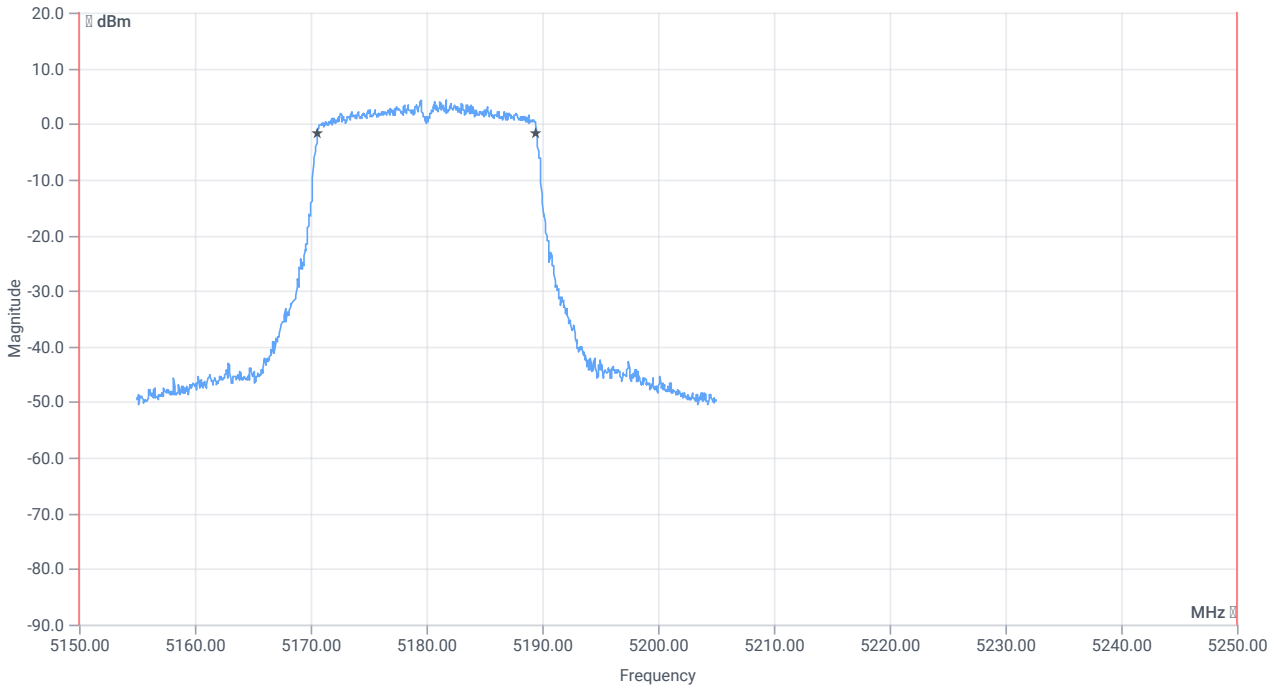
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.12	dBm	INFO
Ref. frequency	---	---	5177.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	18.12 | 13.97 | 20
Start [MHz] | Stop [MHz]	5155.000 | 5205.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



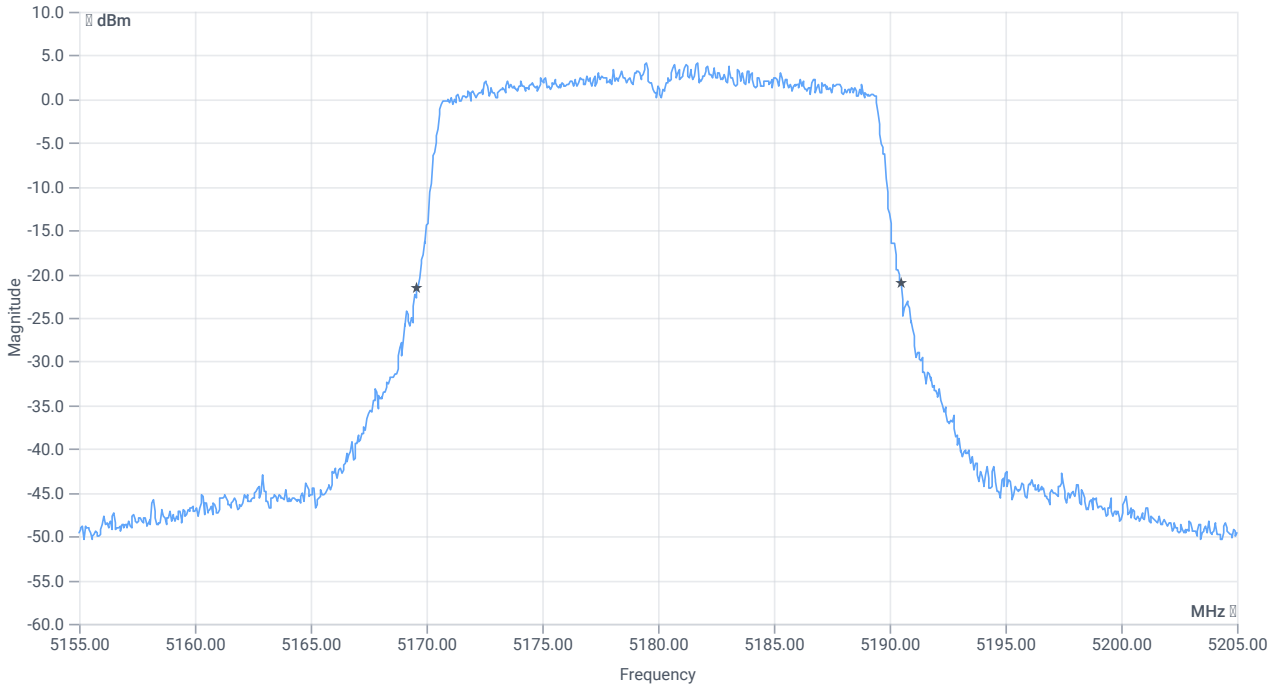
BW 99PCT



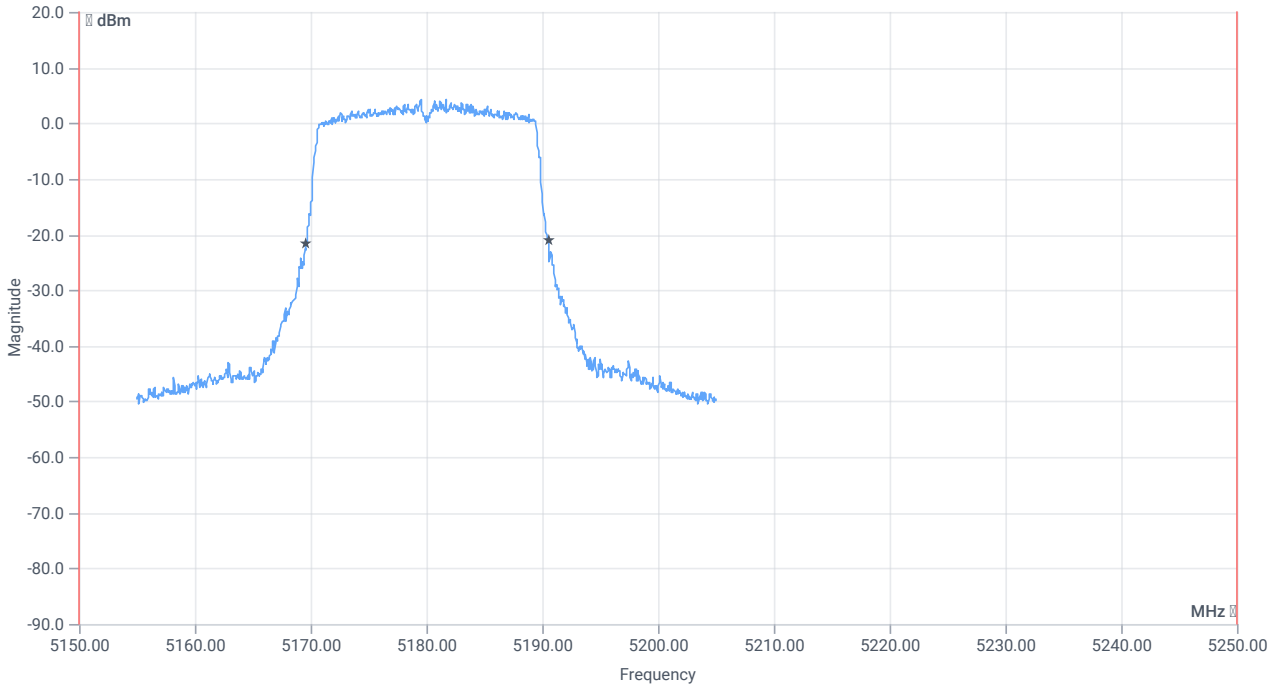
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5150.000000	---	5170.5594	MHz	PASS
T2 99%	---	5250.000000	5189.4905	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.9	MHz	INFO
T1 26dB	5150.000000	---	5169.6000	MHz	PASS
T2 26dB	---	5250.000000	5190.5000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 12:43:39
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

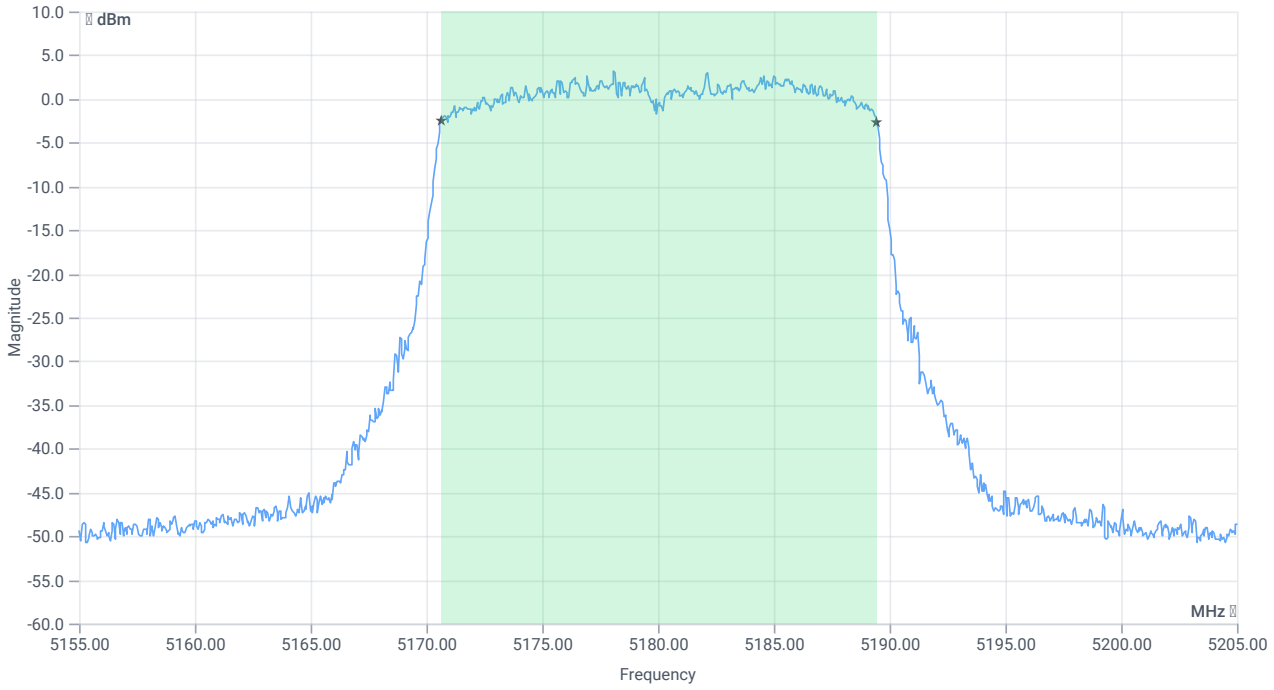
Test at TX 5180 MHz

RESULT: Reference power cond.

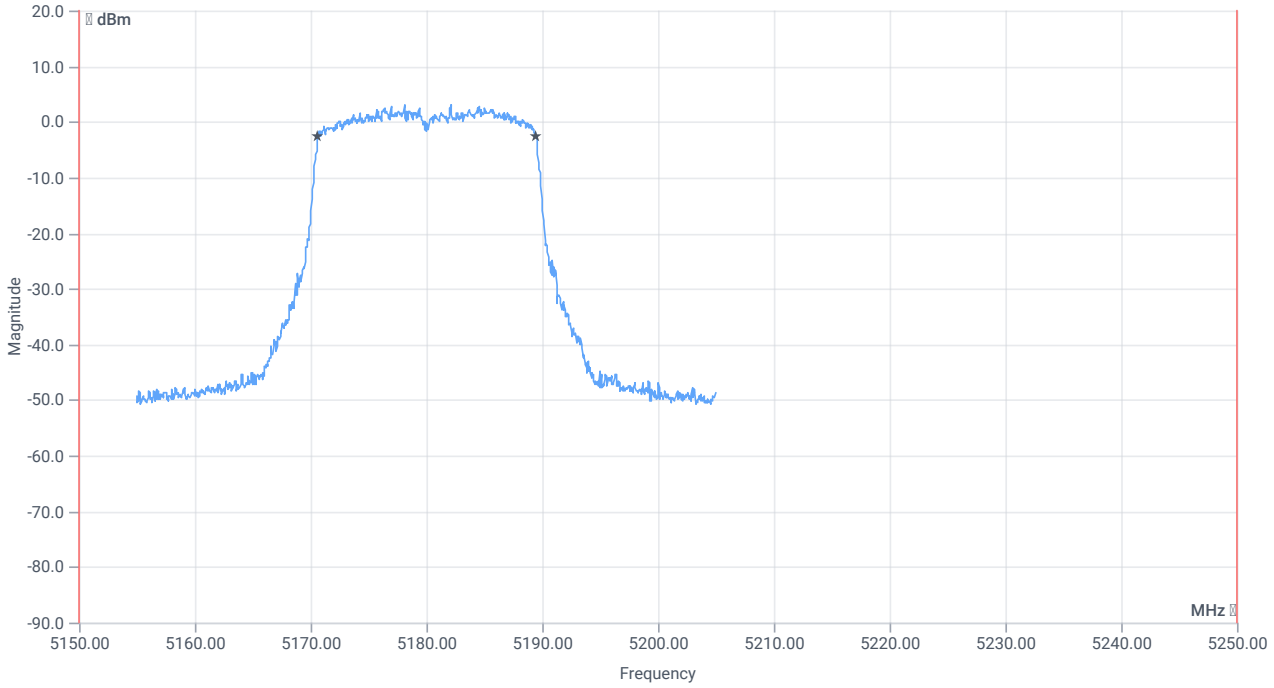
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.85	dBm	INFO
Ref. frequency	---	---	5184.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	14.85 | 13.76 | 20
Start [MHz] | Stop [MHz]	5155.000 | 5205.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



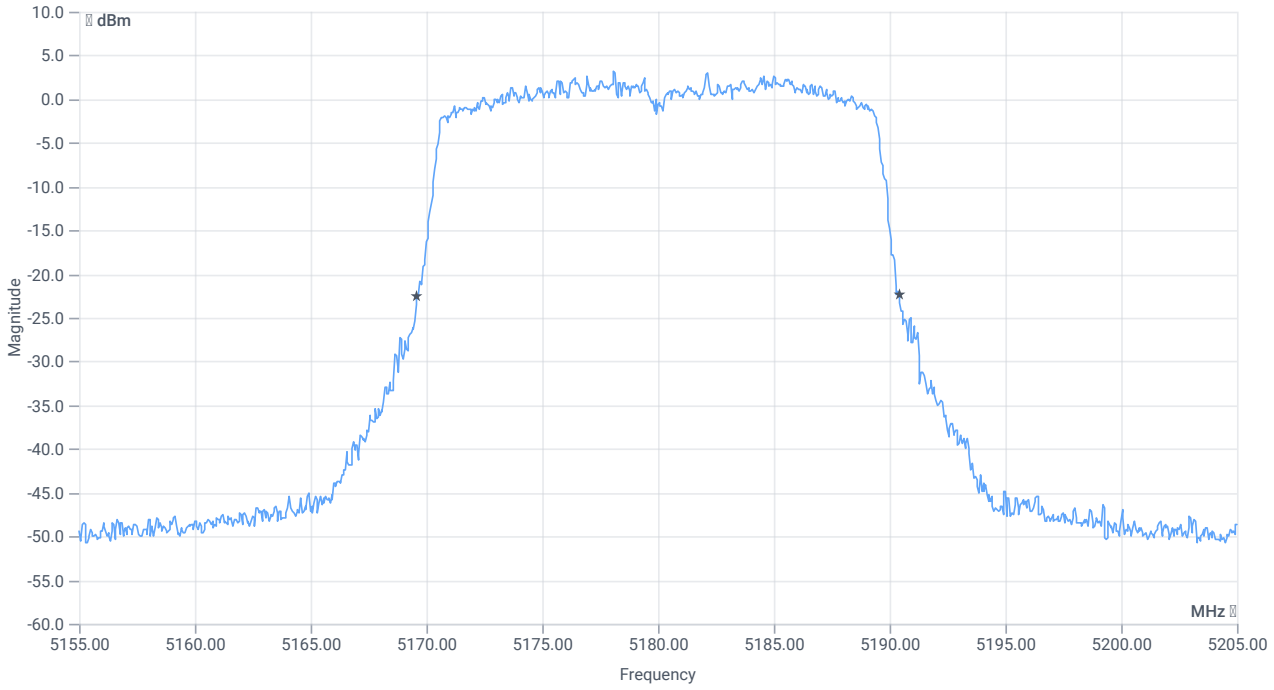
BW 99PCT



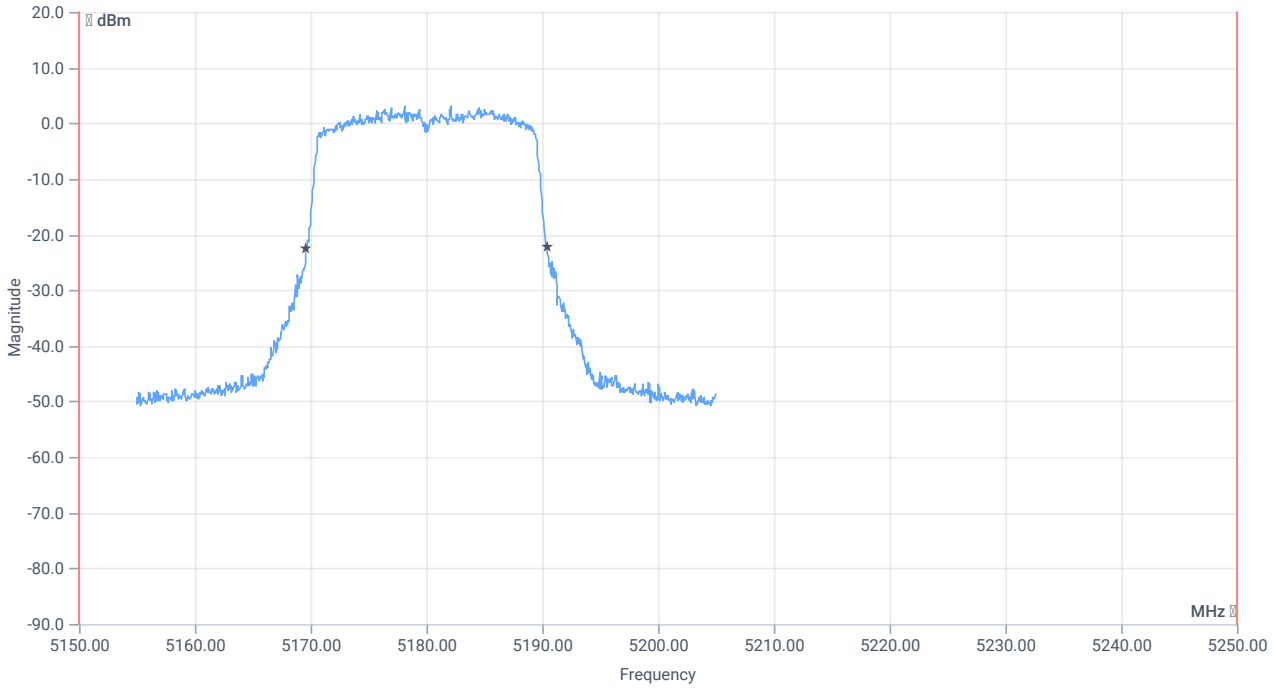
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5150.000000	---	5170.6094	MHz	PASS
T2 99%	---	5250.000000	5189.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO
T1 26dB	5150.000000	---	5169.6000	MHz	PASS
T2 26dB	---	5250.000000	5190.4000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 12:48:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

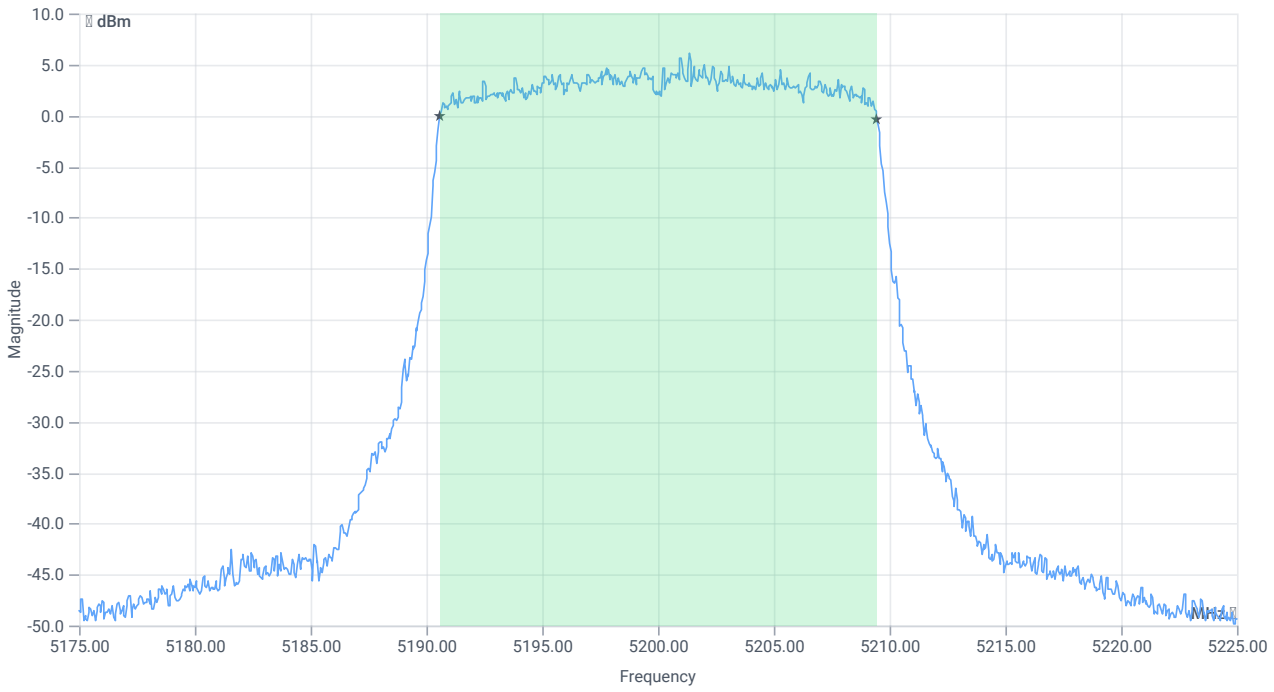
Test at TX 5200 MHz

RESULT: Reference power cond.

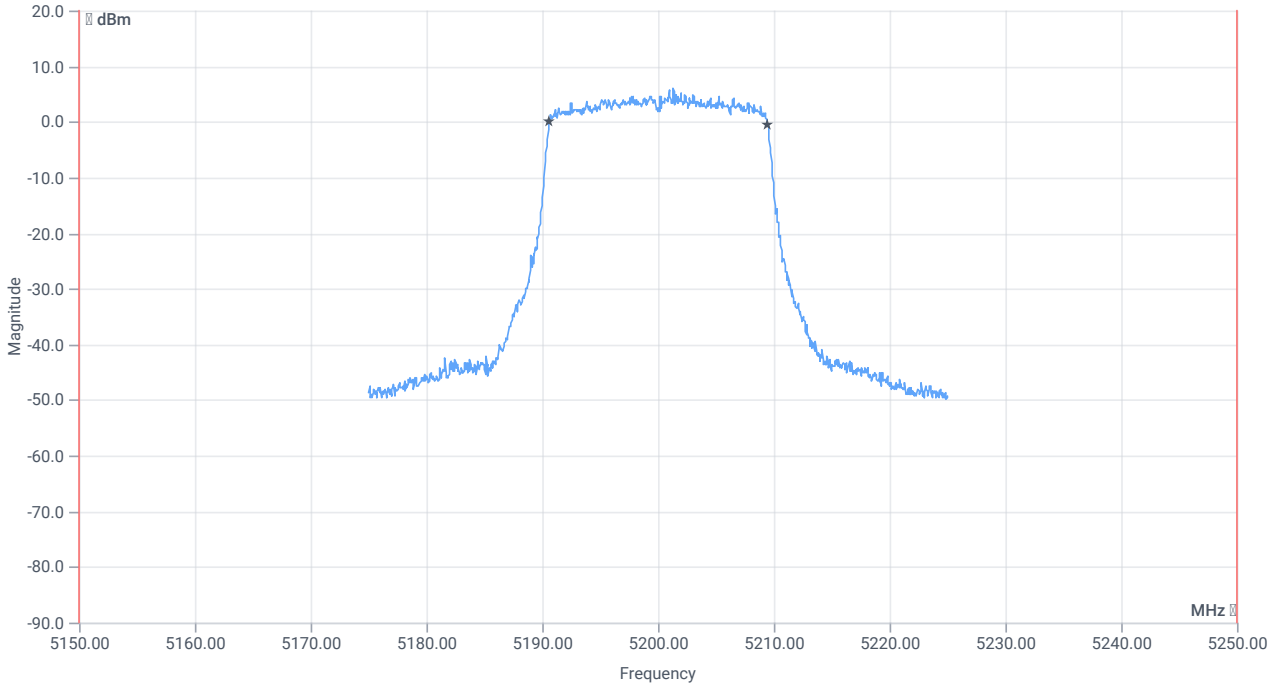
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.91	dBm	INFO
Ref. frequency	---	---	5203.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.91 | 14.33 | 20
Start [MHz] | Stop [MHz]	5175.000 | 5225.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



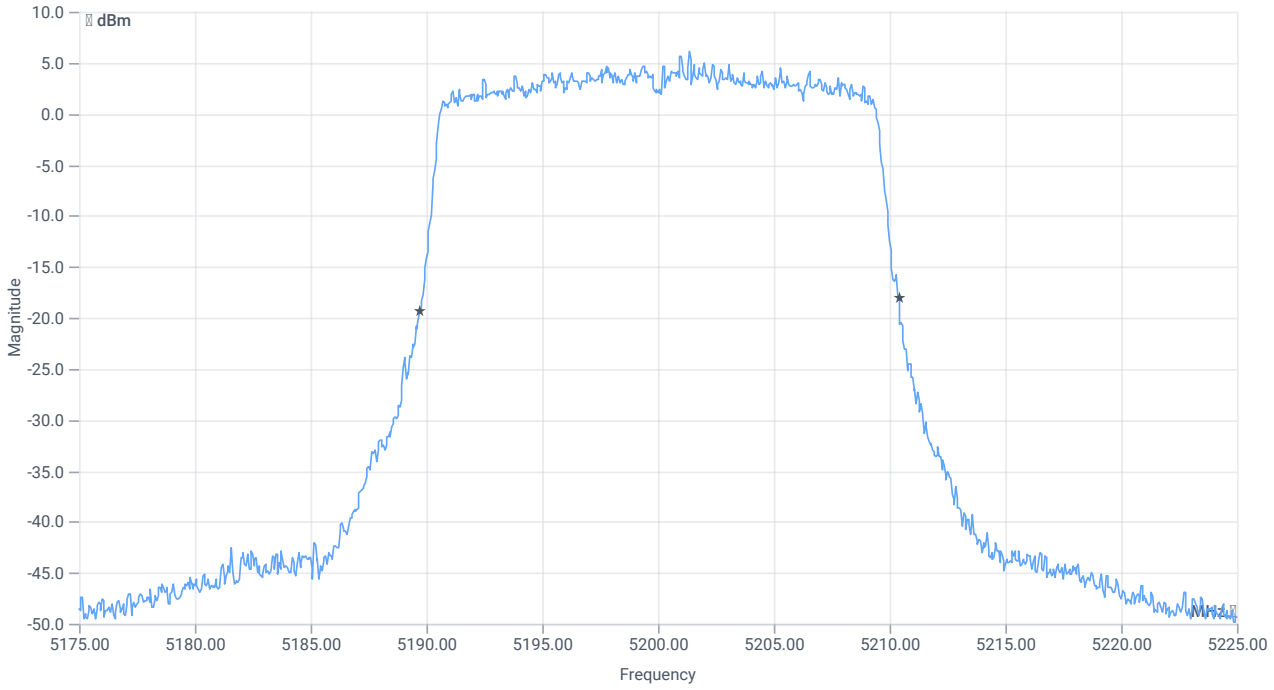
BW 99PCT



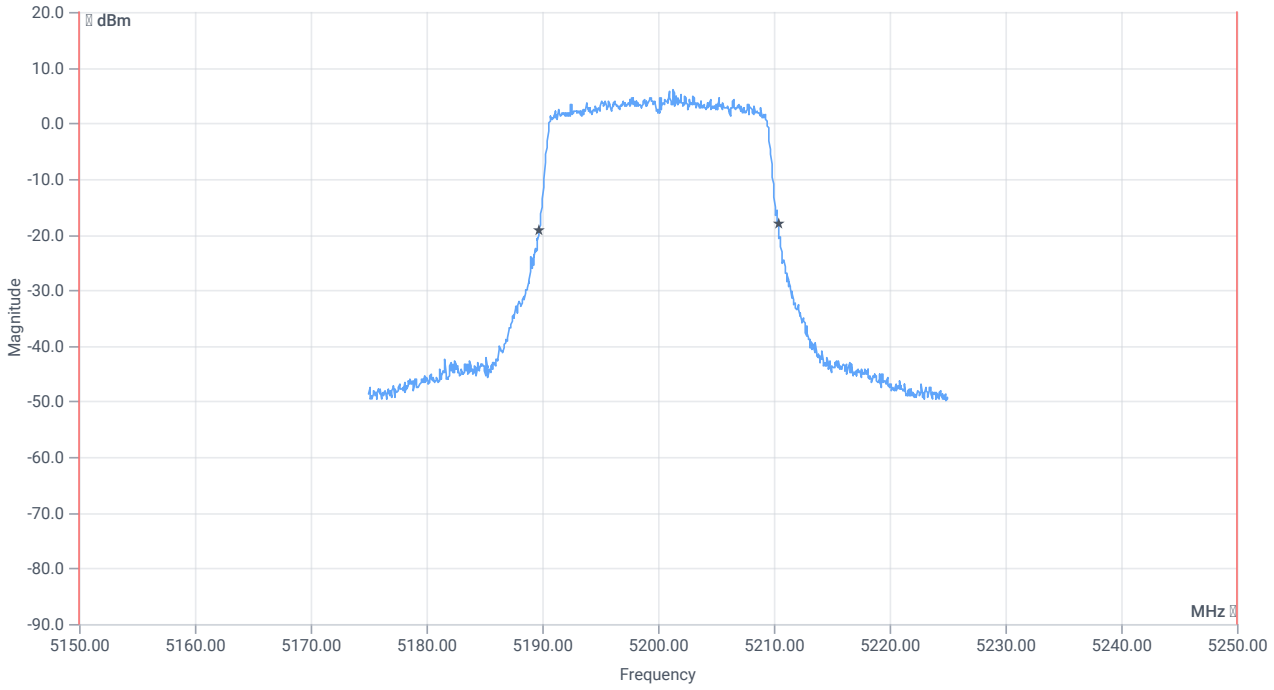
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.881	MHz	INFO
T1 99%	5150.000000	---	5190.5594	MHz	PASS
T2 99%	---	5250.000000	5209.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.7	MHz	INFO
T1 26dB	5150.000000	---	5189.7000	MHz	PASS
T2 26dB	---	5250.000000	5210.4000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 12:53:12
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	True | Freq [MHz] 5200
Frequency high to test	False | Freq [MHz] 5240
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

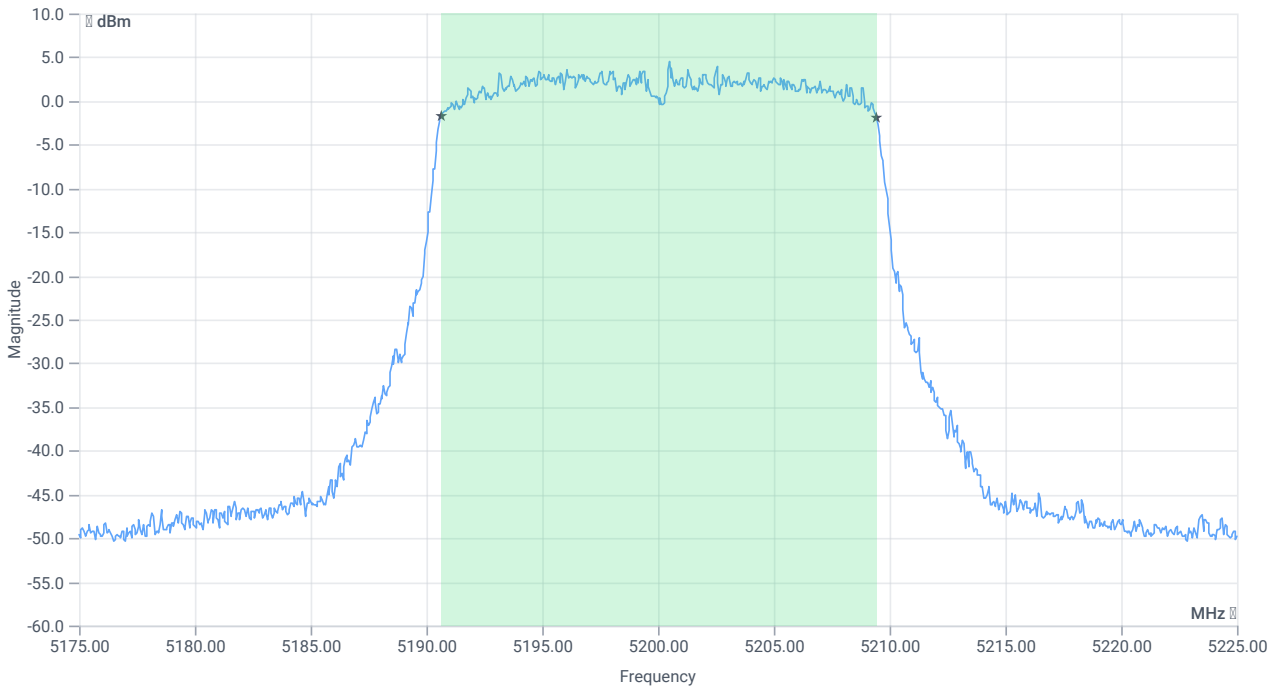
Test at TX 5200 MHz

RESULT: Reference power cond.

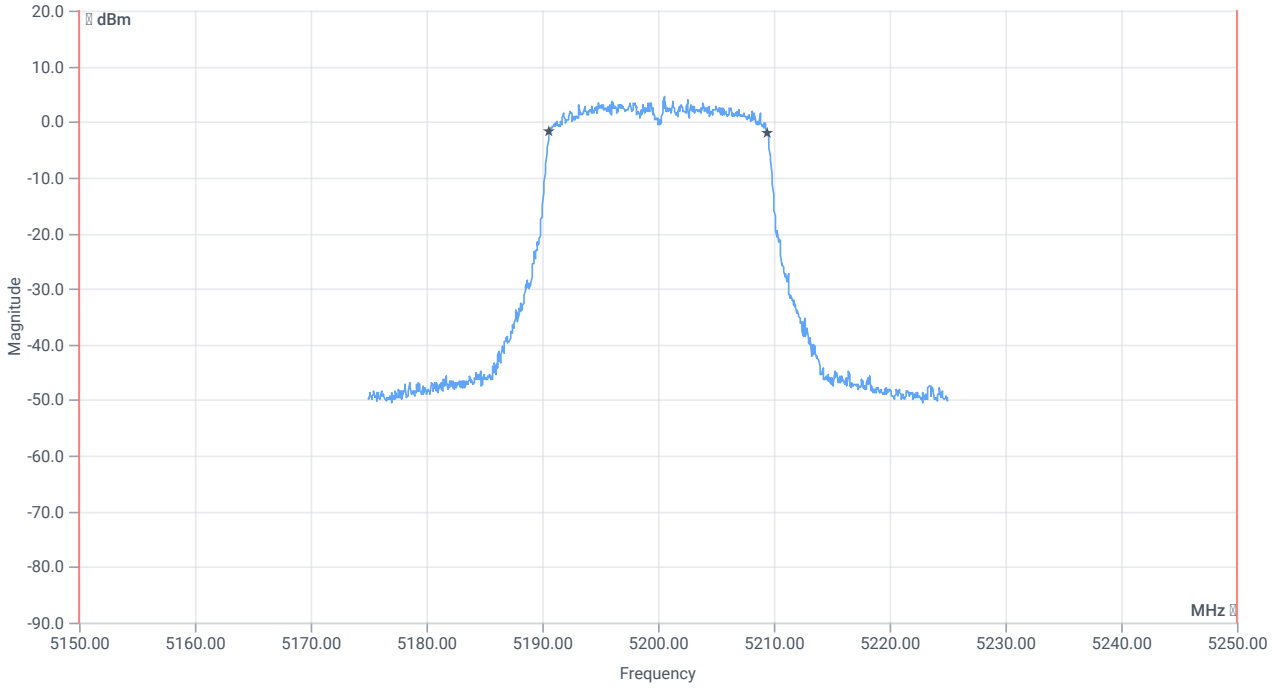
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.09	dBm	INFO
Ref. frequency	---	---	5197.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.09 | 14.05 | 20
Start [MHz] | Stop [MHz]	5175.000 | 5225.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



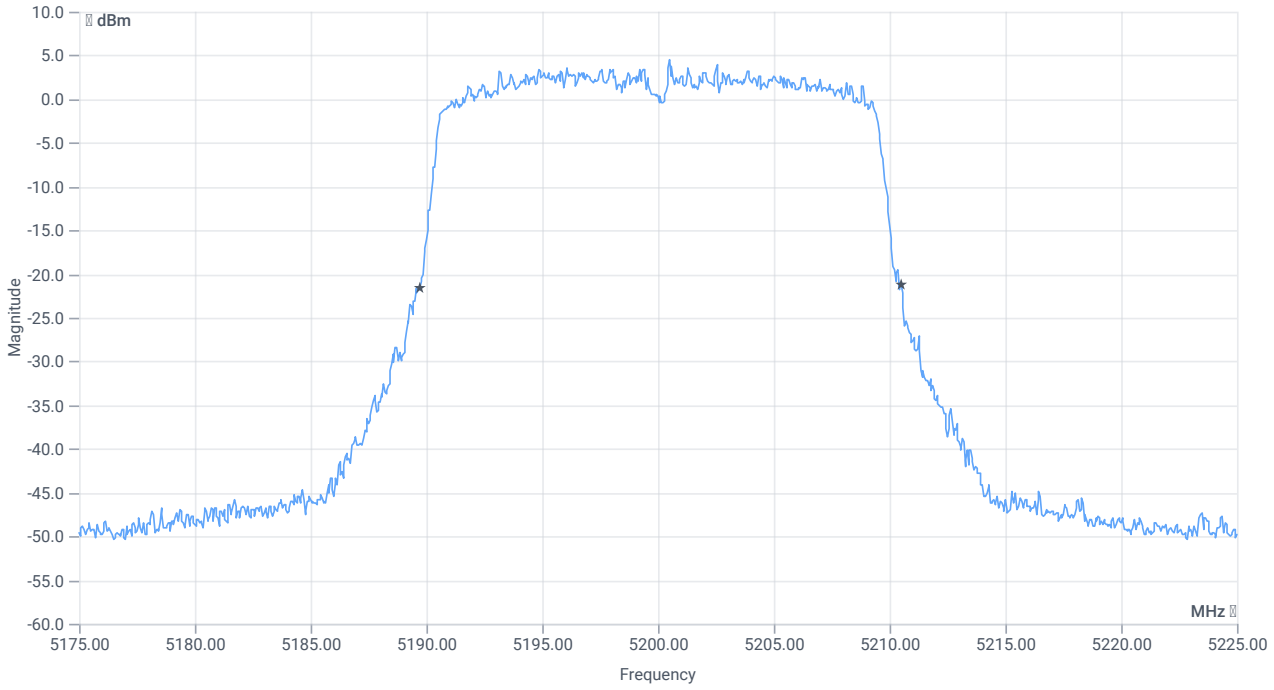
BW 99PCT



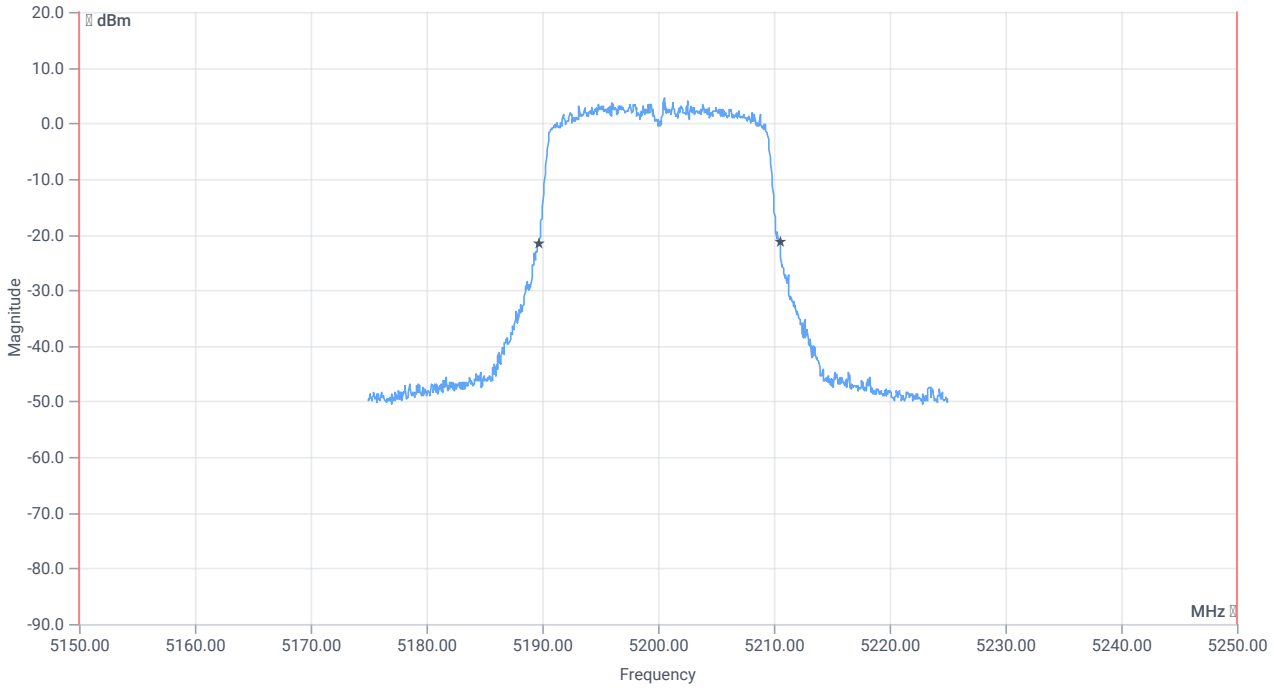
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5150.000000	---	5190.6094	MHz	PASS
T2 99%	---	5250.000000	5209.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO
T1 26dB	5150.000000	---	5189.7000	MHz	PASS
T2 26dB	---	5250.000000	5210.5000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 12:57:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

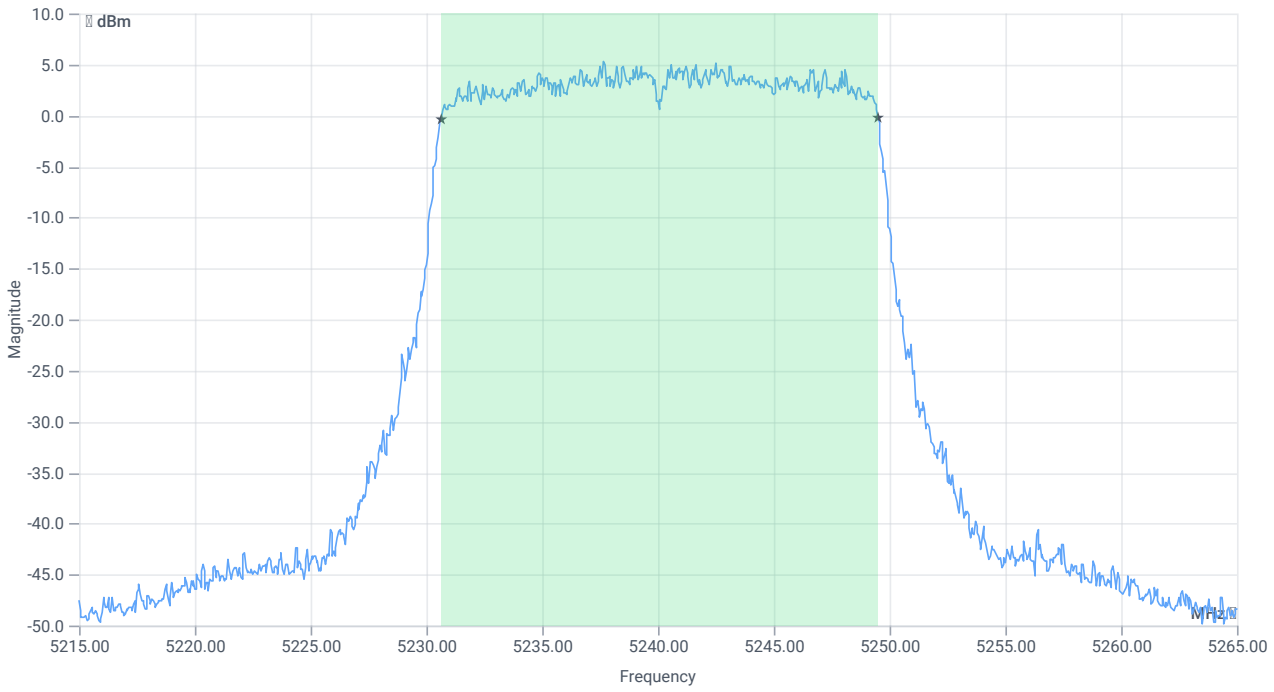
Test at TX 5240 MHz

RESULT: Reference power cond.

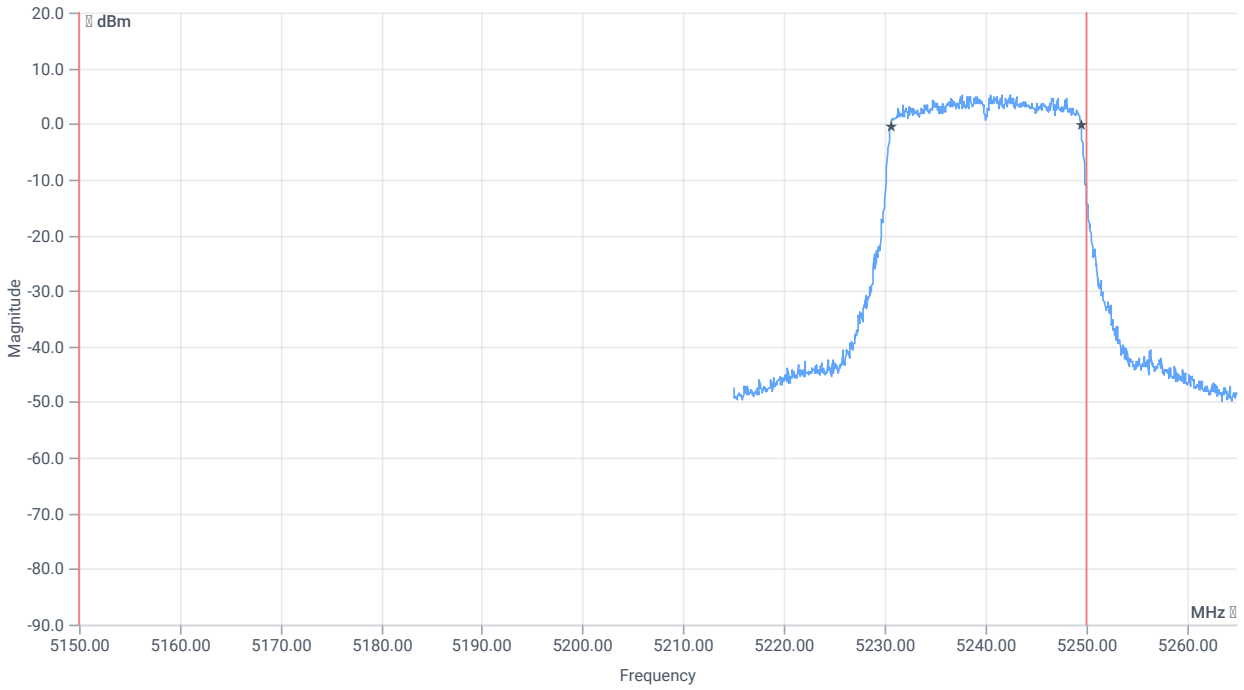
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.47	dBm	INFO
Ref. frequency	---	---	5238.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.47 | 14.23 | 20
Start [MHz] | Stop [MHz]	5215.000 | 5265.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



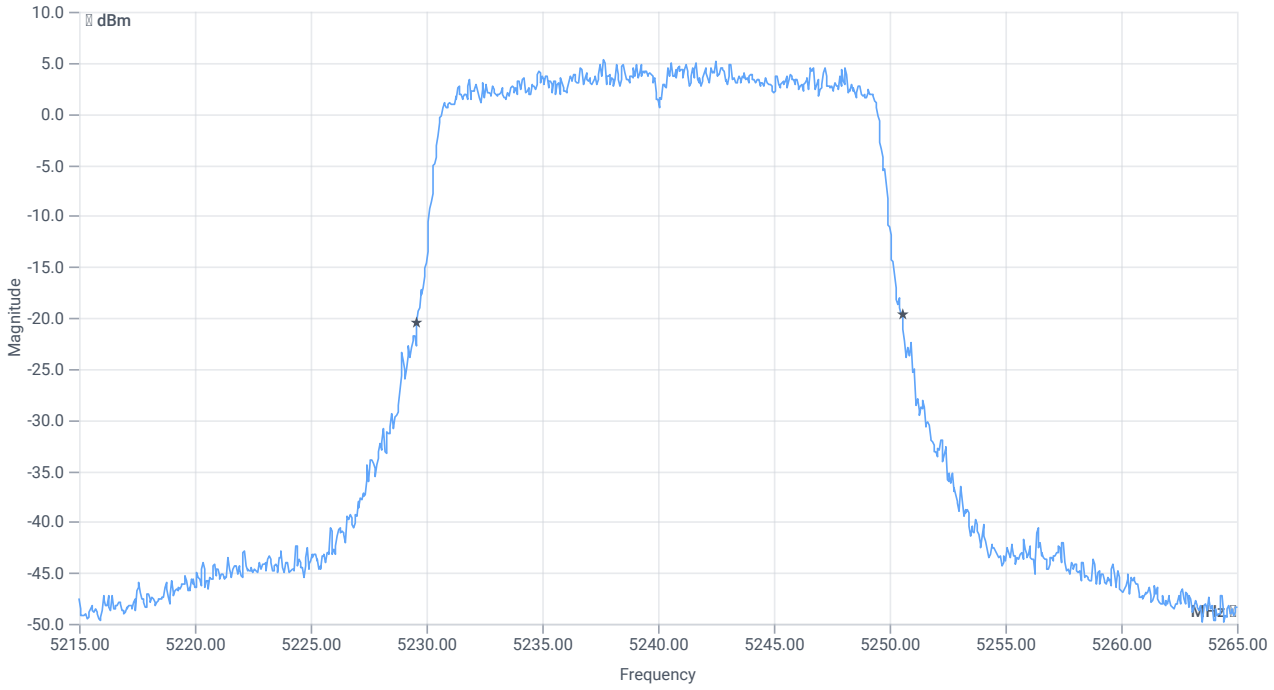
BW 99PCT



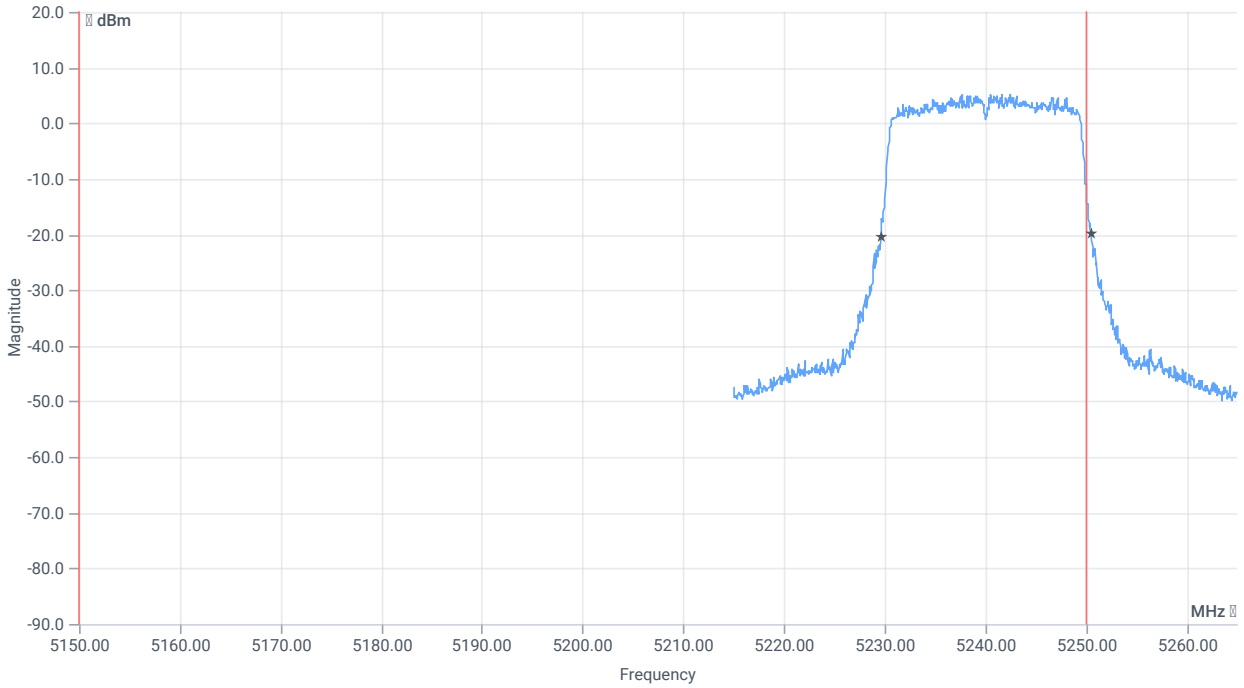
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.881	MHz	INFO
T1 99%	5150.000000	---	5230.6094	MHz	PASS
T2 99%	---	5250.000000	5249.4905	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.95	MHz	INFO
T1 26dB	5150.000000	---	5229.6000	MHz	PASS
T2 26dB	---	5250.000000	5250.5500	MHz	DFS required

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-1

References

TC start	21.11.2025 13:02:06
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5180
Frequency mid to test	False | Freq [MHz] 5200
Frequency high to test	True | Freq [MHz] 5240
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

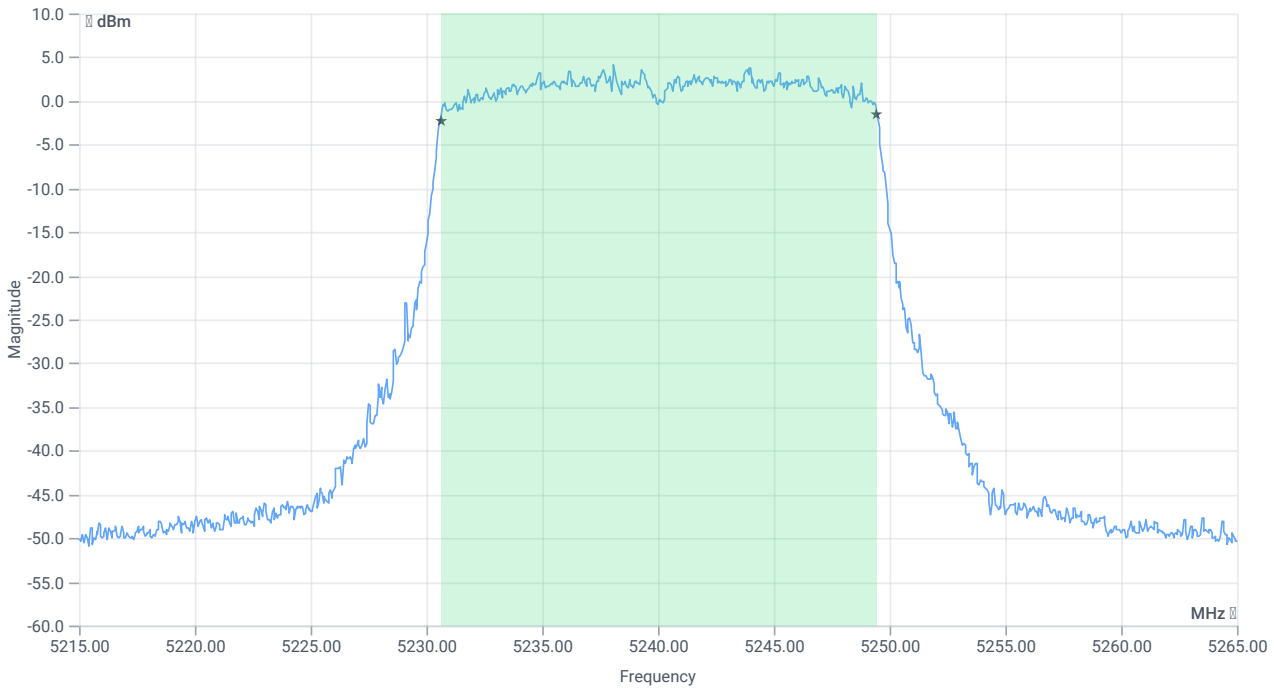
Test at TX 5240 MHz

RESULT: Reference power cond.

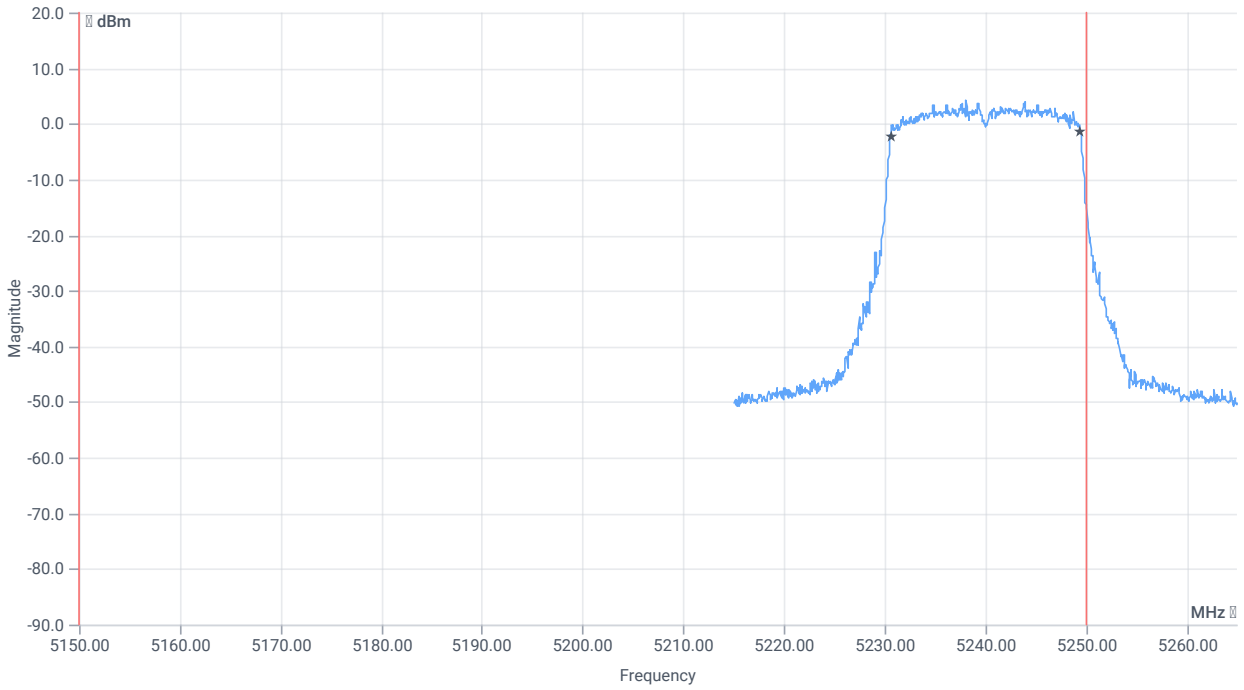
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.39	dBm	INFO
Ref. frequency	---	---	5239.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	17.39 | 13.8 | 20
Start [MHz] | Stop [MHz]	5215.000 | 5265.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



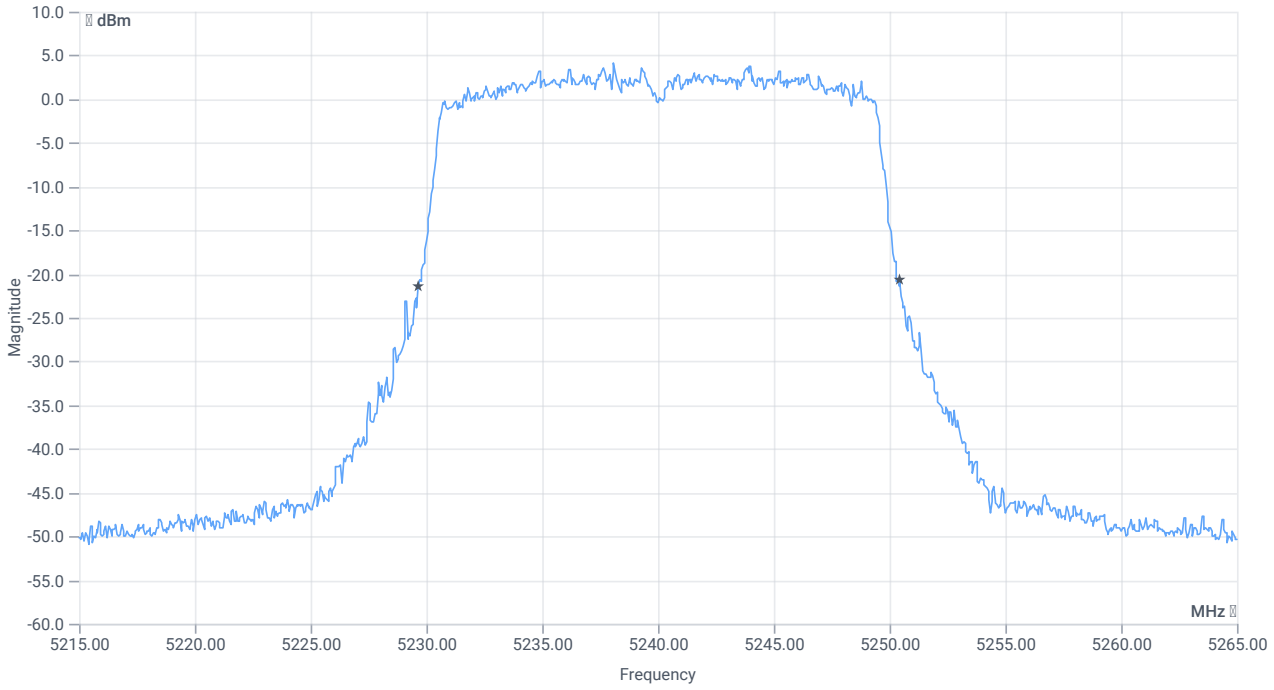
BW 99PCT



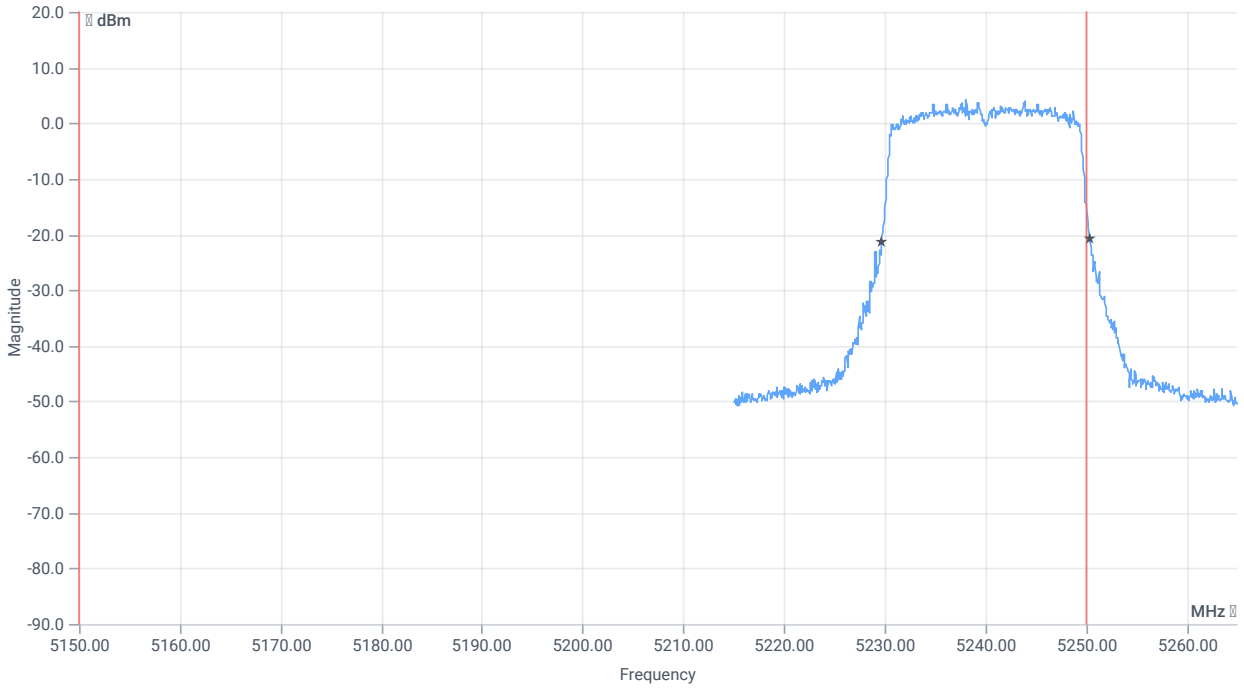
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5150.000000	---	5230.6094	MHz	PASS
T2 99%	---	5250.000000	5249.4406	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.8	MHz	INFO
T1 26dB	5150.000000	---	5229.6500	MHz	PASS
T2 26dB	---	5250.000000	5250.4500	MHz	DFS required

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	21.11.2025 13:11:13
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

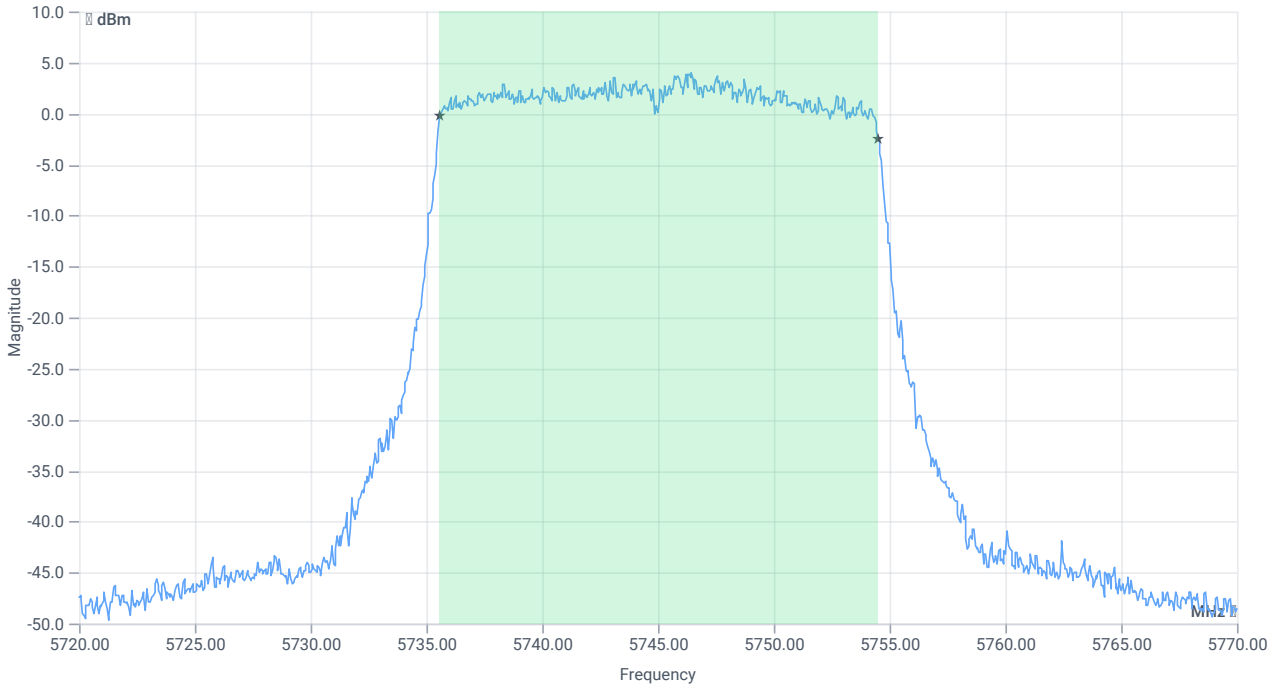
Test at TX 5745 MHz

RESULT: Reference power cond.

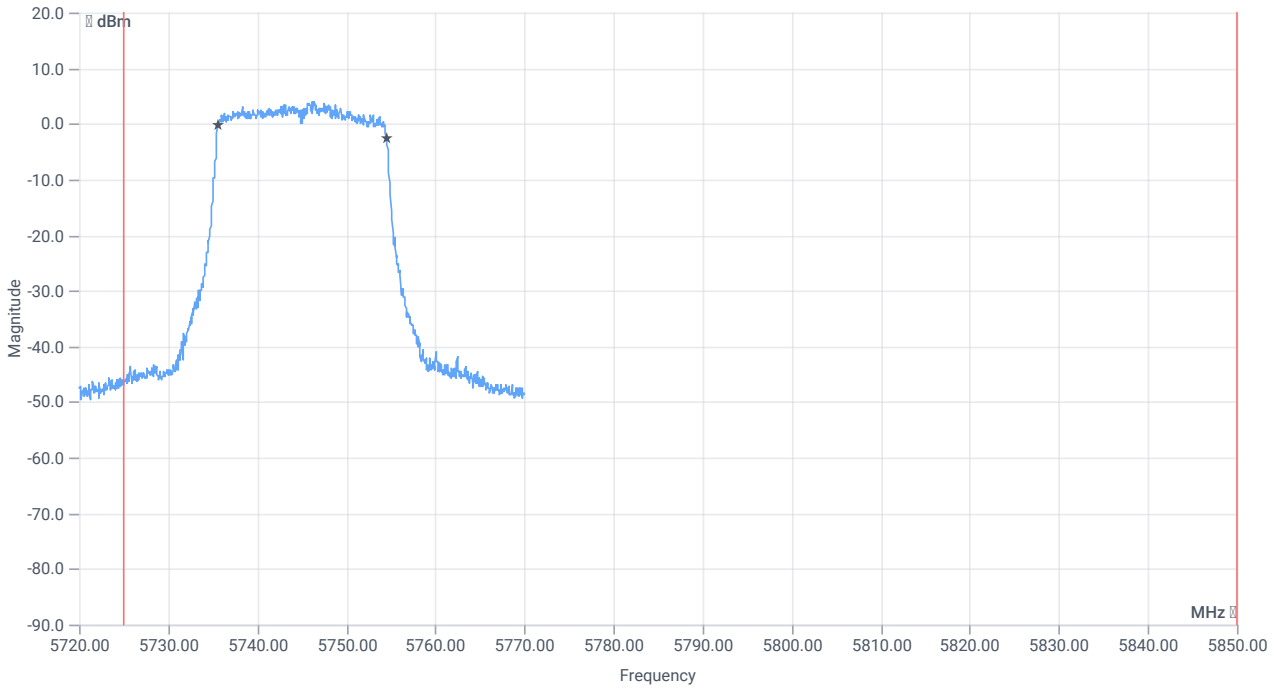
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.60	dBm	INFO
Ref. frequency	---	---	5746.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.60 | 14.21 | 20
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



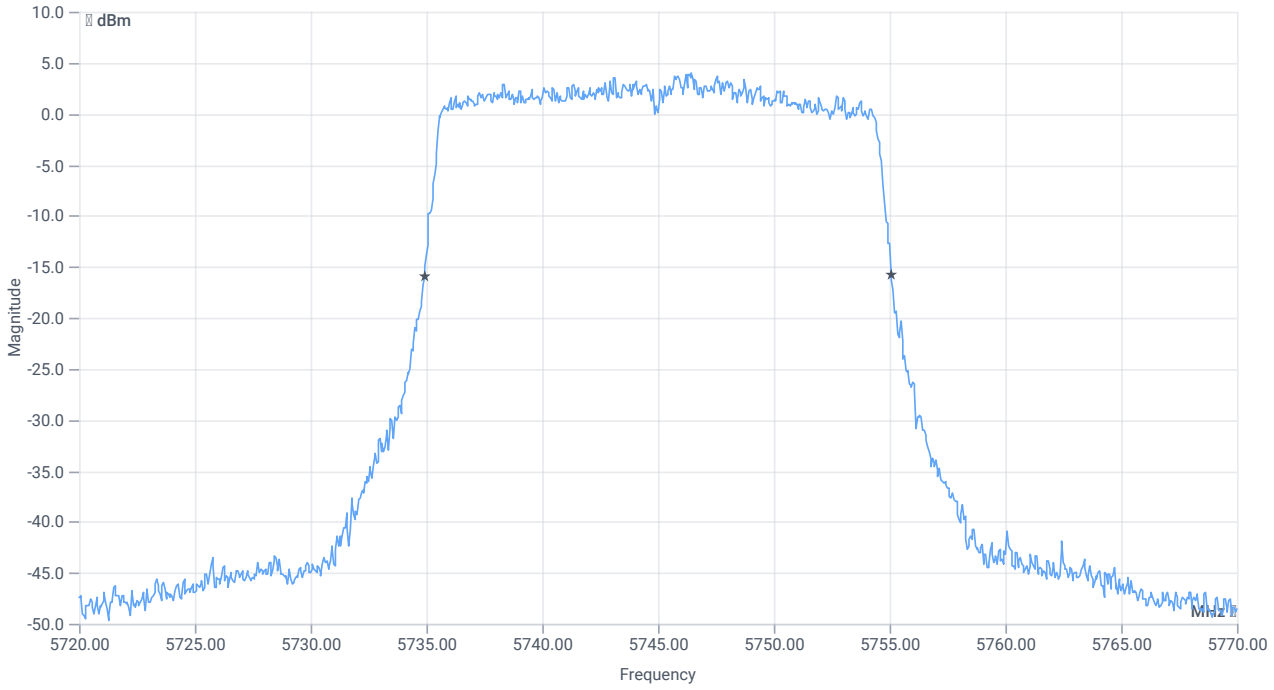
BW 99PCT



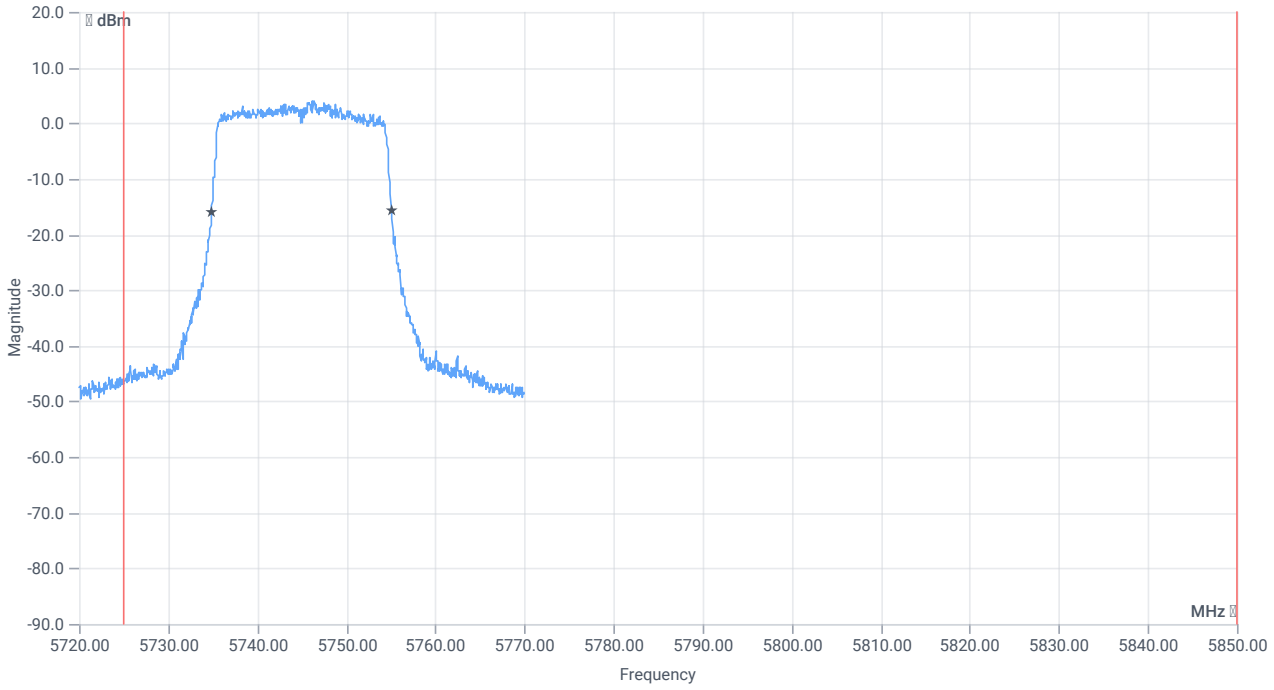
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.931	MHz	INFO
T1 99%	5725.000000	---	5735.5594	MHz	PASS
T2 99%	---	5850.000000	5754.4905	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20.15	MHz	INFO
T1 20dB	5725.000000	---	5734.9000	MHz	PASS
T2 20dB	---	5850.000000	5755.0500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	21.11.2025 13:18:58
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True | Freq [MHz] 5745
Frequency mid to test	False | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

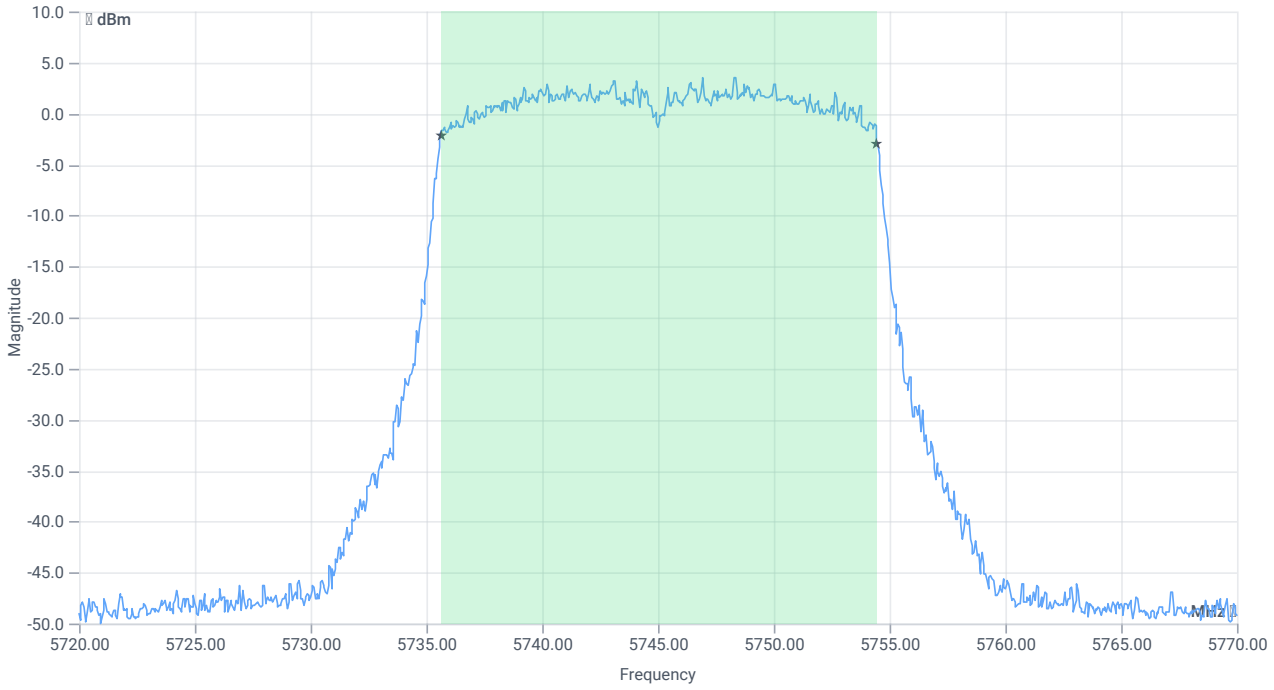
Test at TX 5745 MHz

RESULT: Reference power cond.

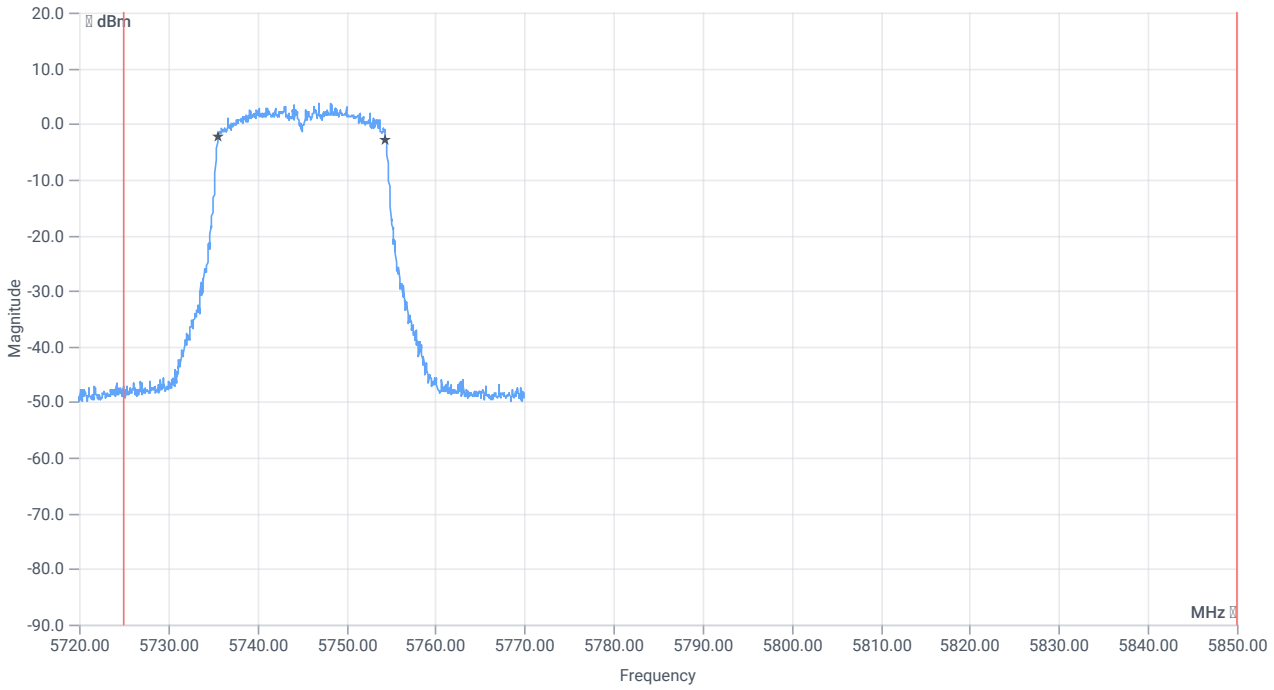
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.78	dBm	INFO
Ref. frequency	---	---	5740.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.78 | 14.09 | 20
Start [MHz] | Stop [MHz]	5720.000 | 5770.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



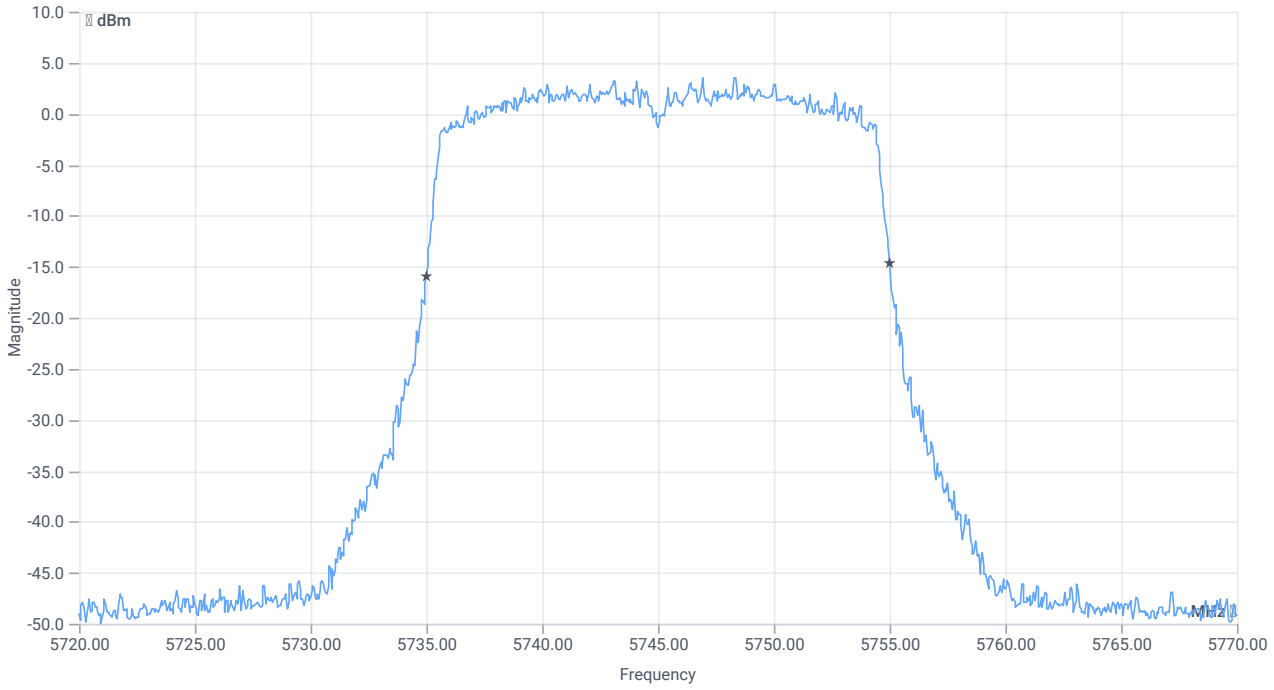
BW 99PCT



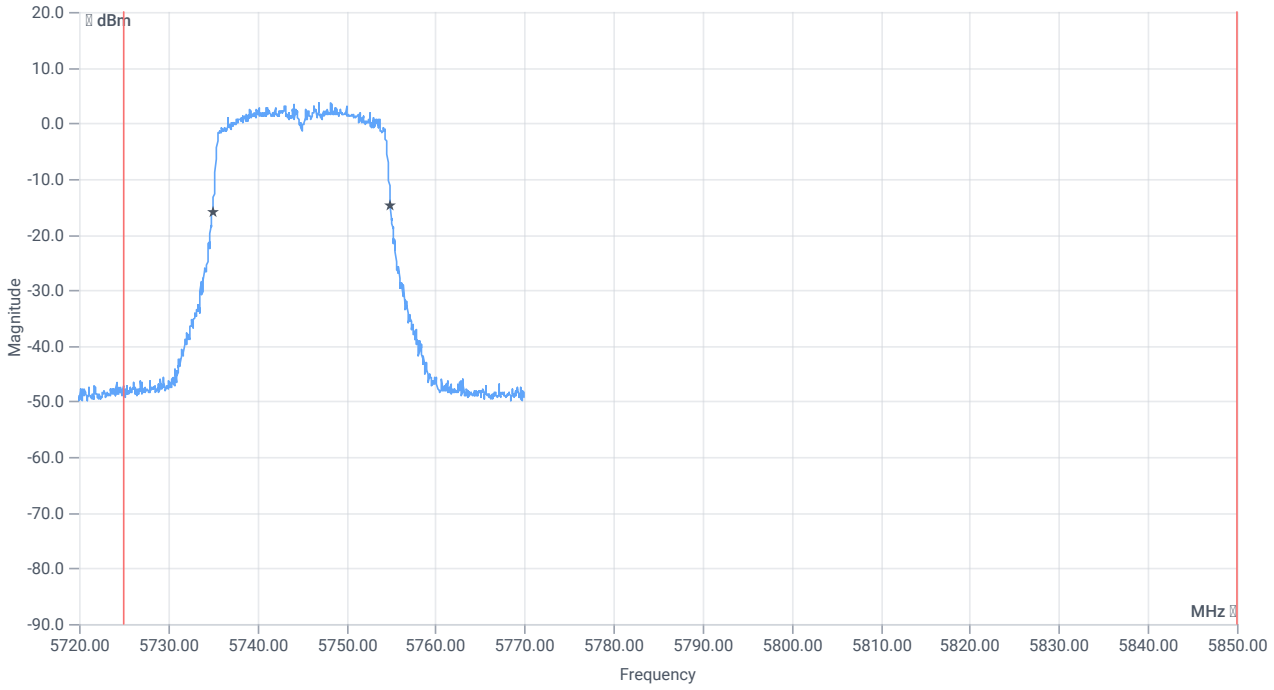
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.831	MHz	INFO
T1 99%	5725.000000	---	5735.6094	MHz	PASS
T2 99%	---	5850.000000	5754.4406	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20	MHz	INFO
T1 20dB	5725.000000	---	5735.0000	MHz	PASS
T2 20dB	---	5850.000000	5755.0000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	21.11.2025 13:32:49
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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

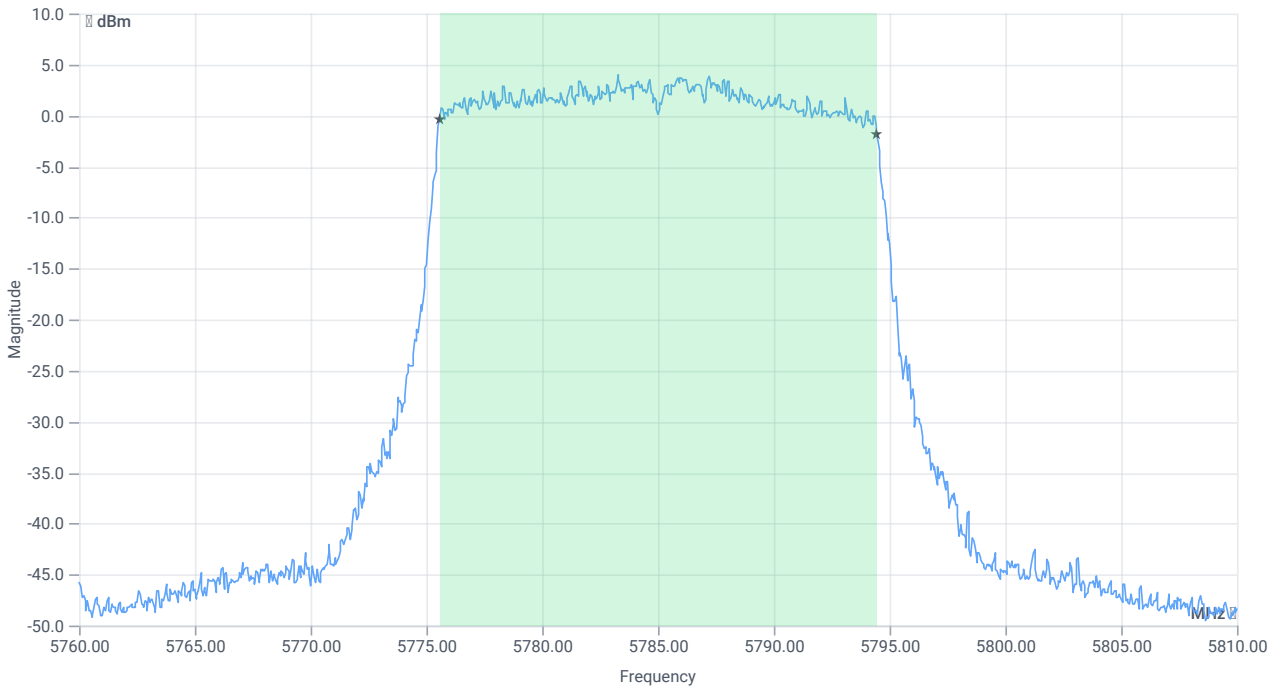
Test at TX 5785 MHz

RESULT: Reference power cond.

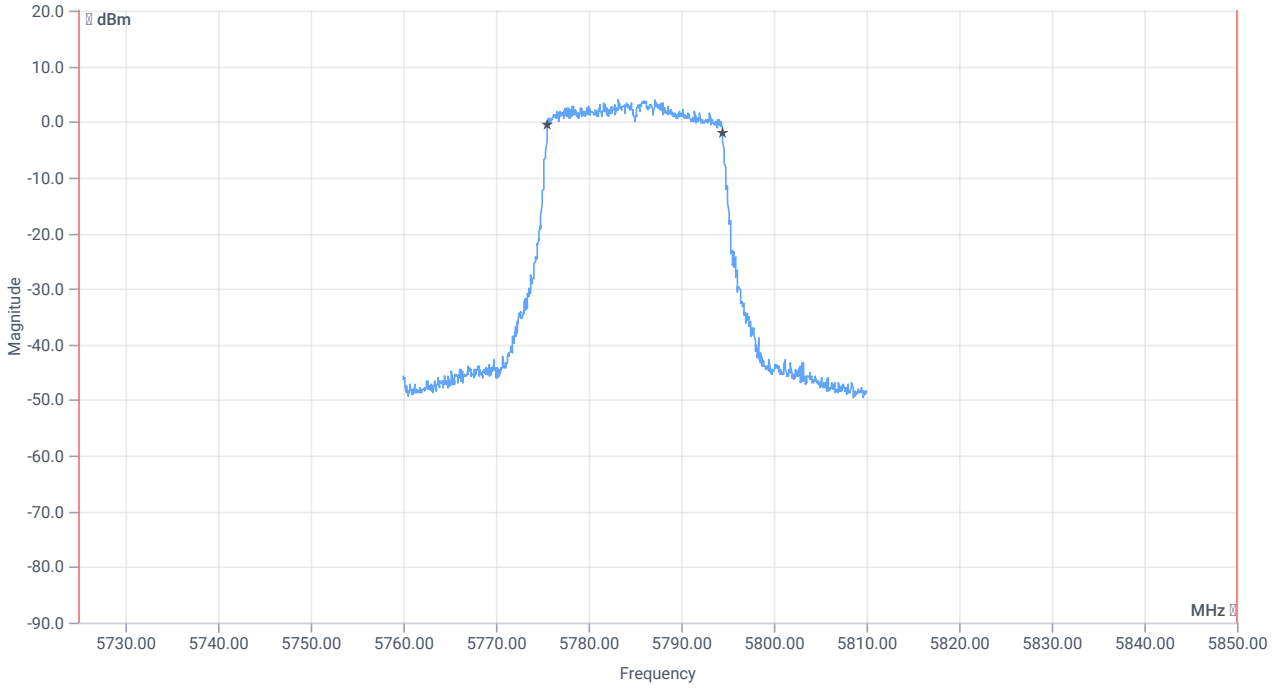
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.16	dBm	INFO
Ref. frequency	---	---	5786.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	15.16 | 14.24 | 20
Start [MHz] | Stop [MHz]	5760.000 | 5810.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



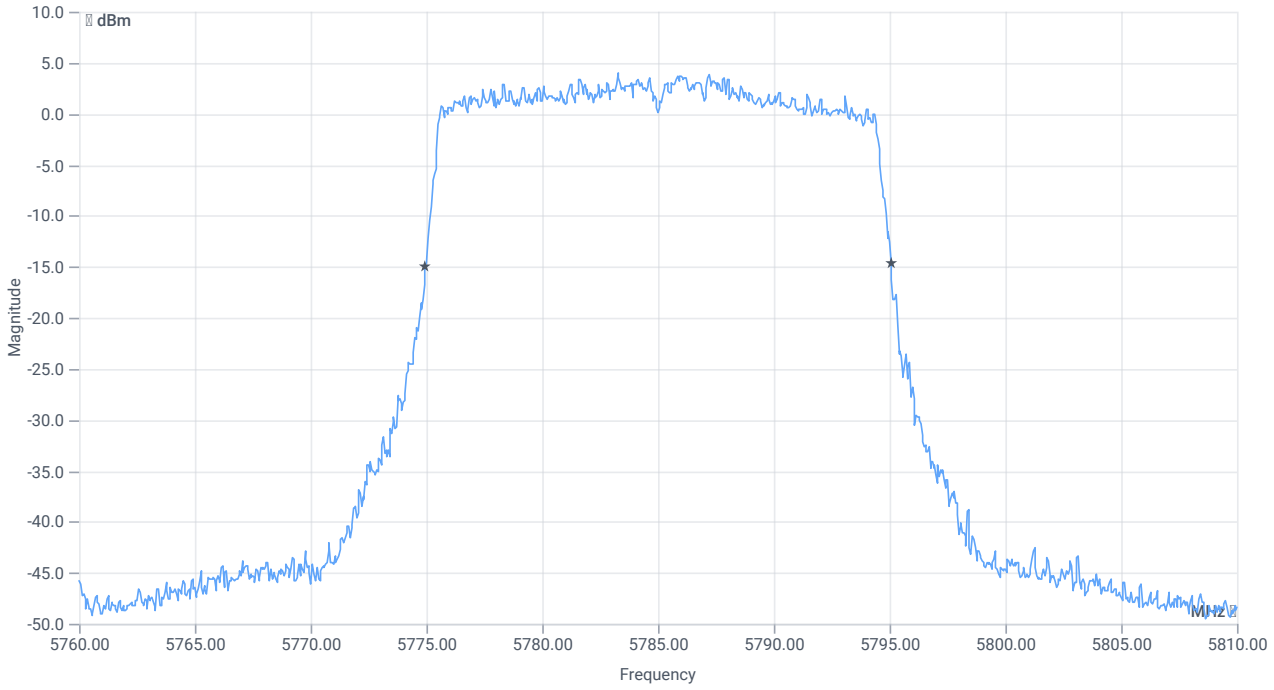
BW 99PCT



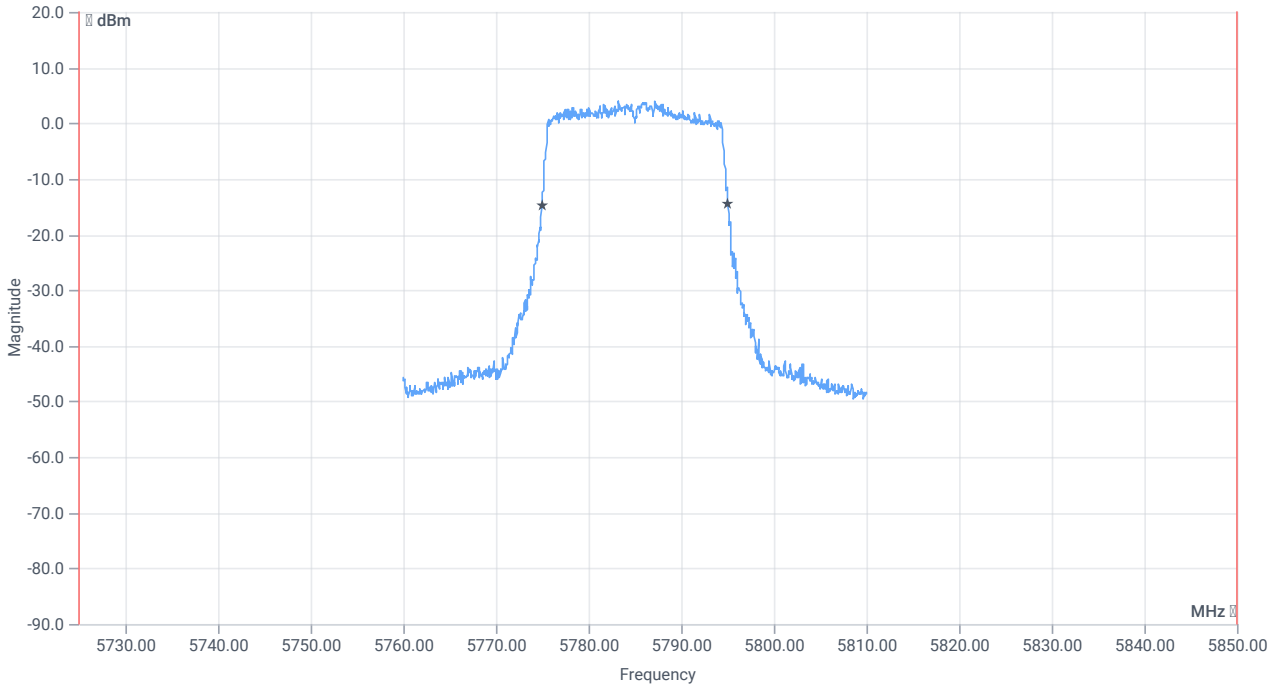
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.881	MHz	INFO
T1 99%	5725.000000	---	5775.5594	MHz	PASS
T2 99%	---	5850.000000	5794.4406	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20.1	MHz	INFO
T1 20dB	5725.000000	---	5774.9500	MHz	PASS
T2 20dB	---	5850.000000	5795.0500	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	21.11.2025 13:40:34
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx ax-HE20
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False | Freq [MHz] 5745
Frequency mid to test	True | Freq [MHz] 5785
Frequency high to test	False | Freq [MHz] 5825
Auto control enabled power supply | Climatic Box	No | No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

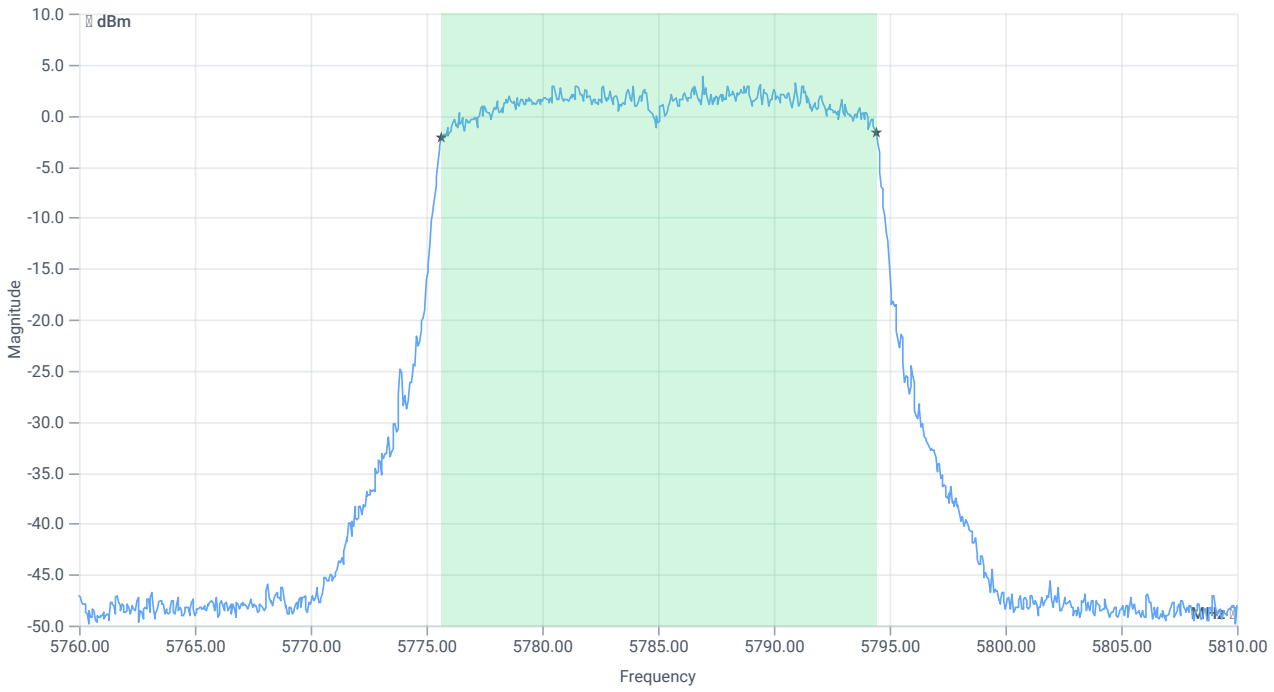
Test at TX 5785 MHz

RESULT: Reference power cond.

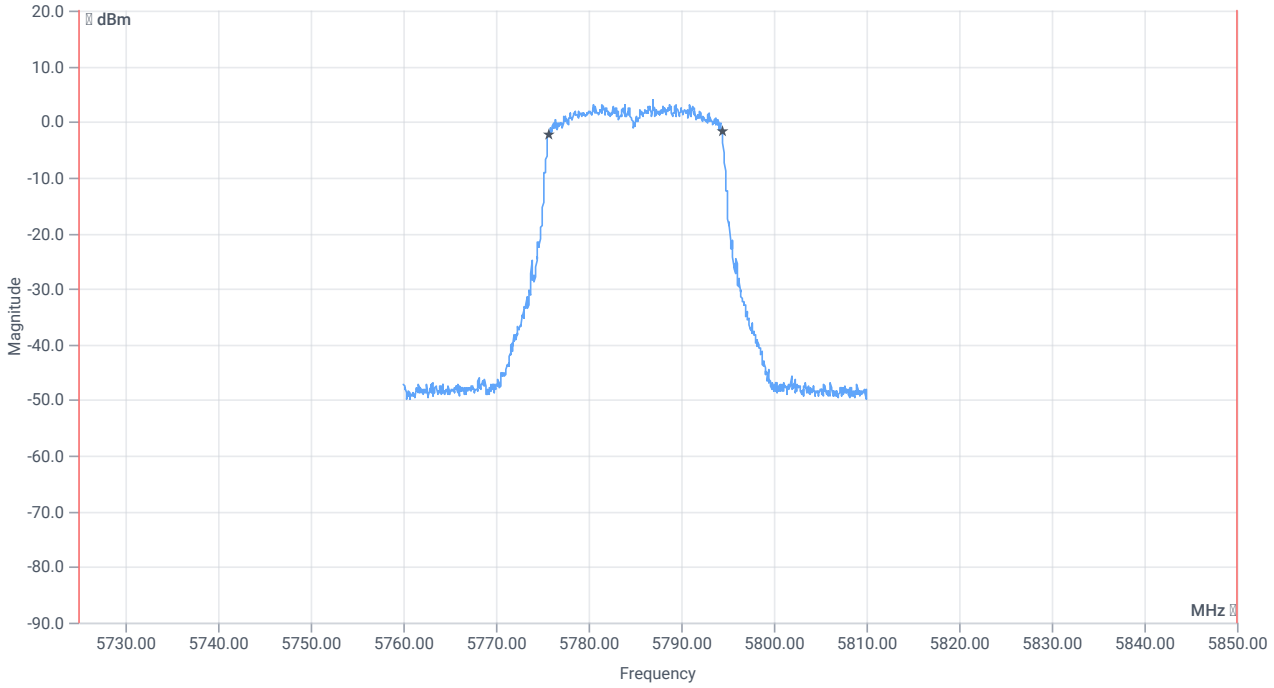
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.93	dBm	INFO
Ref. frequency	---	---	5789.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] | RefLevelOffset [dB] | InpAtt [dB]	16.93 | 14.22 | 20
Start [MHz] | Stop [MHz]	5760.000 | 5810.000
RBW [MHz] | VBW [MHz]	0.300000 | 1.000000
Detector | TraceMode	POS | MAXH
Sweep: time [ms] | count | points per Section | type	1 | 2500 | 1001 | SWE



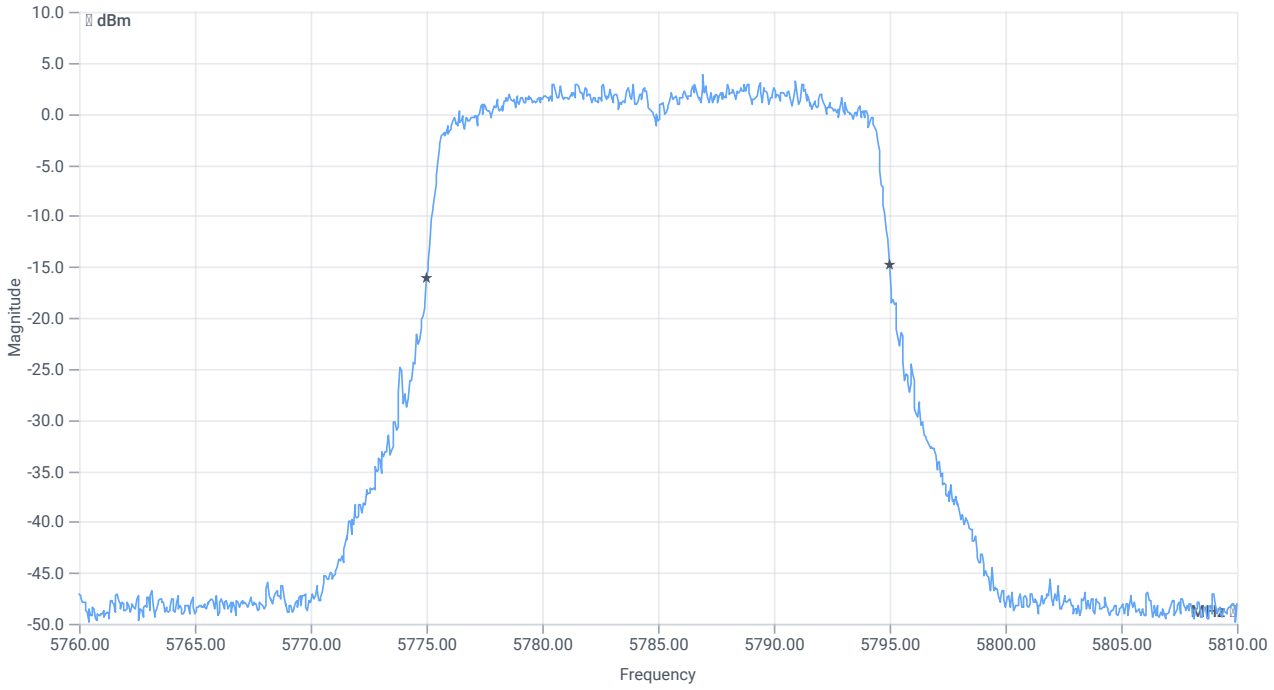
BW 99PCT



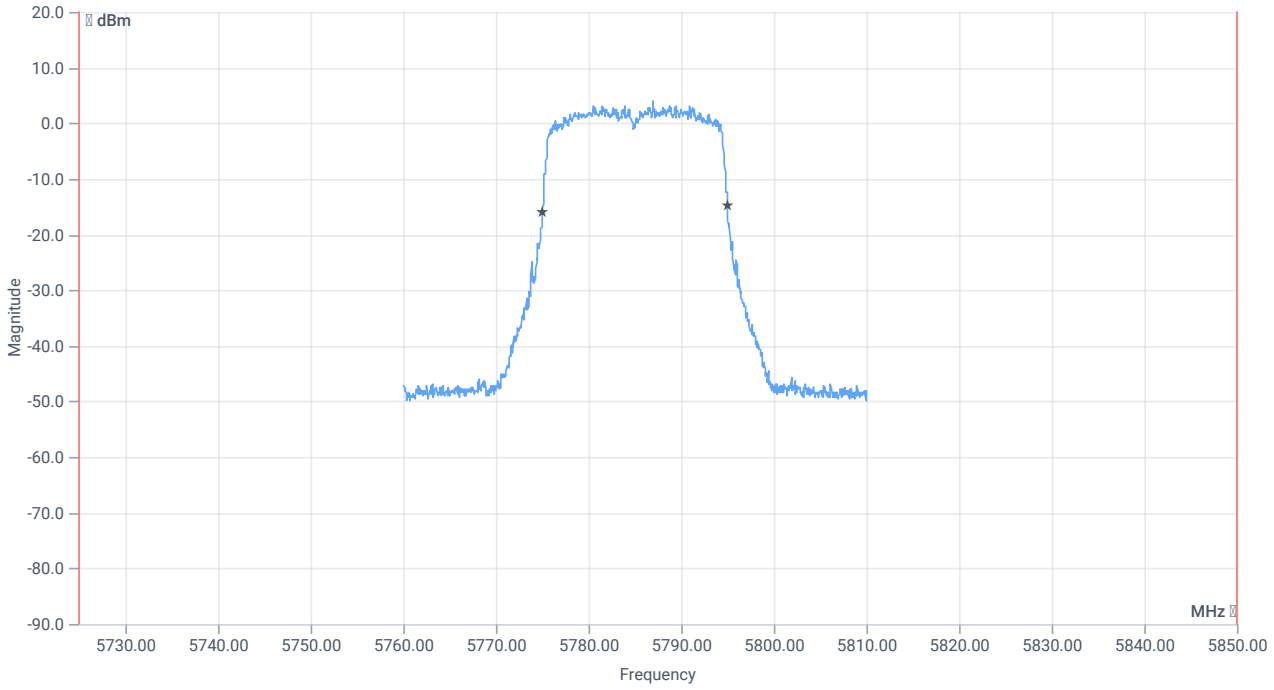
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18.781	MHz	INFO
T1 99%	5725.000000	---	5775.6593	MHz	PASS
T2 99%	---	5850.000000	5794.4406	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20	MHz	INFO
T1 20dB	5725.000000	---	5775.0000	MHz	PASS
T2 20dB	---	5850.000000	5795.0000	MHz	PASS

Verdict
PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ax-HE20 U-NII-3

References

TC start	21.11.2025 13:50:54
Ambit temp (test rack) [°C] | humidity [rel%]	not enabled | not enabled
System version	6.0.5.0
Standard | Version	FCC 15.407, ISED RSS247 | NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ax-HE20 U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

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]	1.4
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