

Conducted test results

No.1-6579-23-01-40_TR1-A201-R1

June 03, 2024

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

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Authorized

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

References

TC start	14.05.2024 14:30:56
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

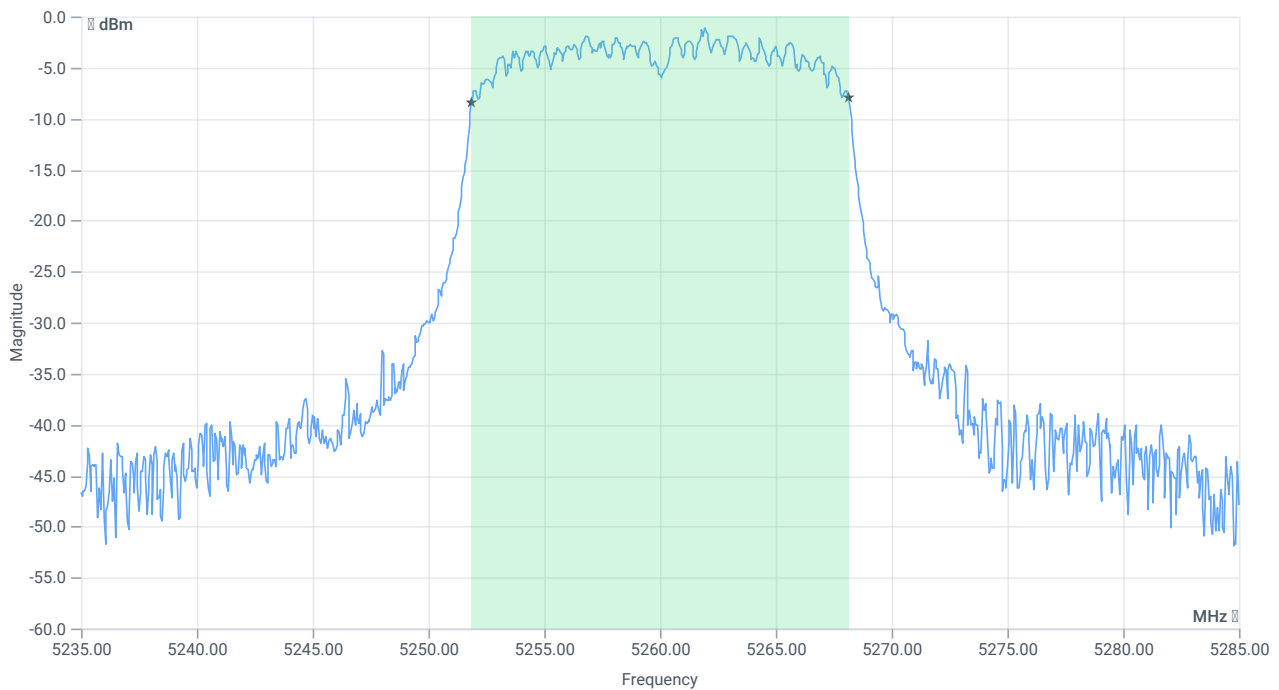
Test at TX 5260 MHz

RESULT: Reference power cond.

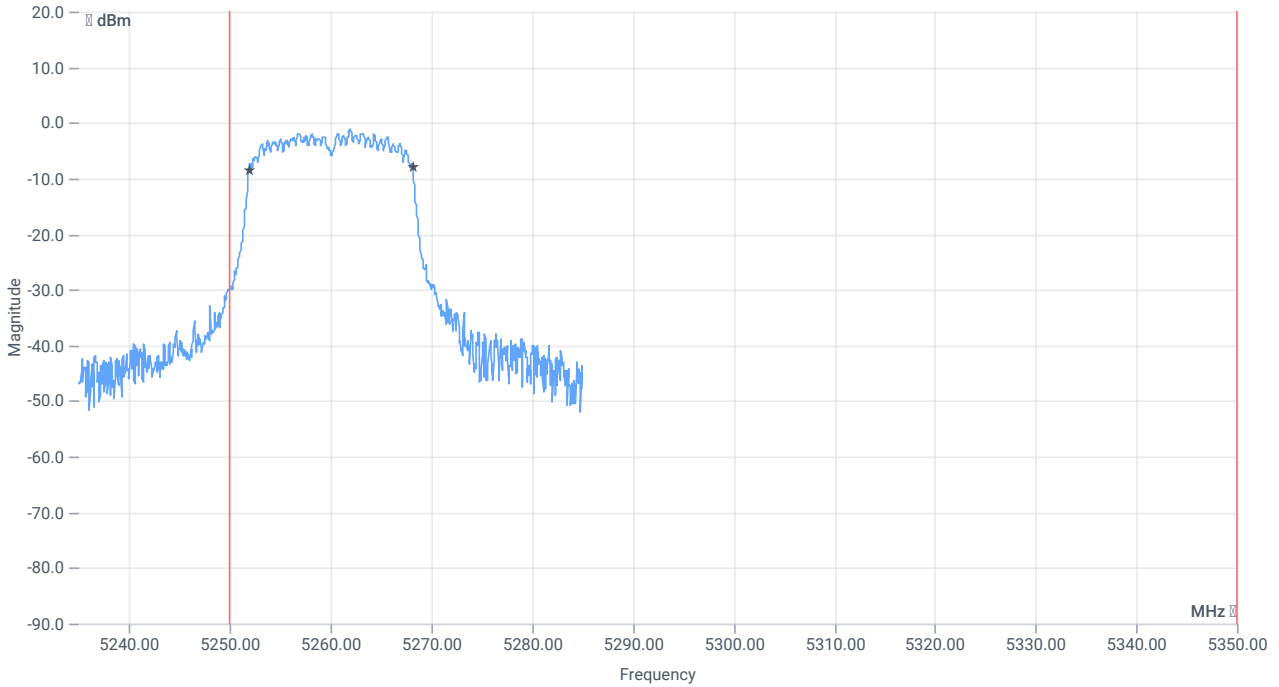
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.78	dBm	INFO
Ref. frequency	--	--	5262.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.78 13.25 15
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



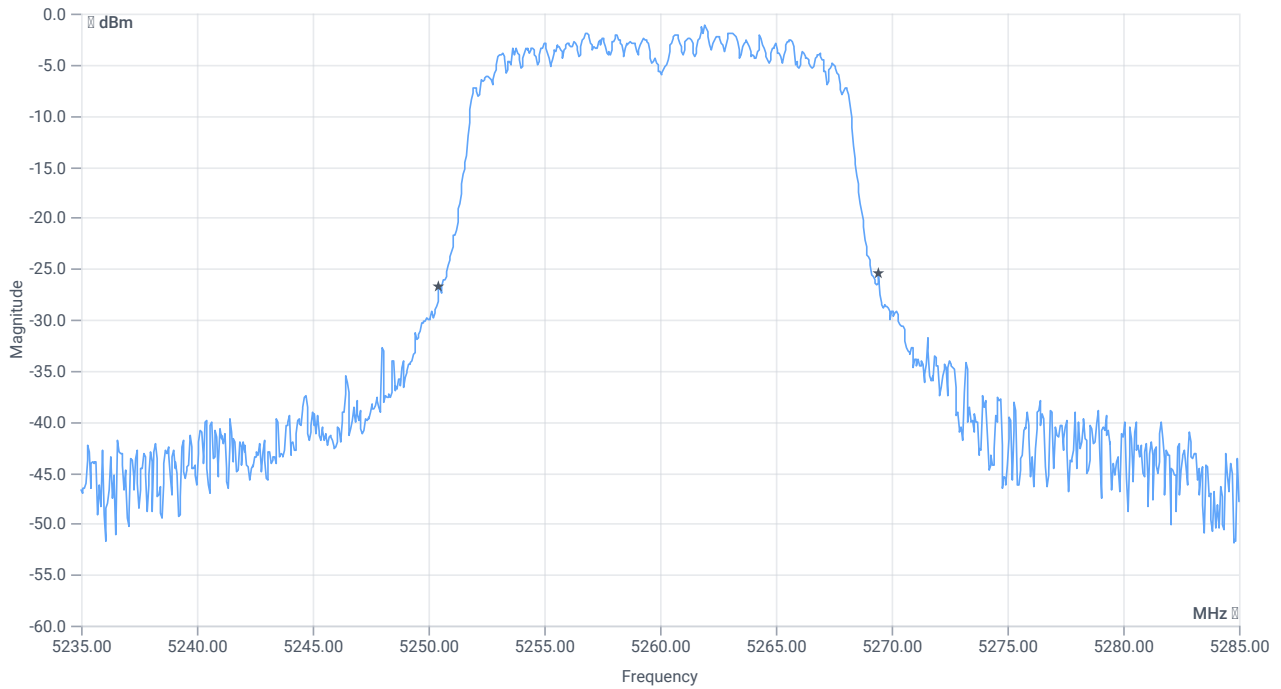
BW 99PCT



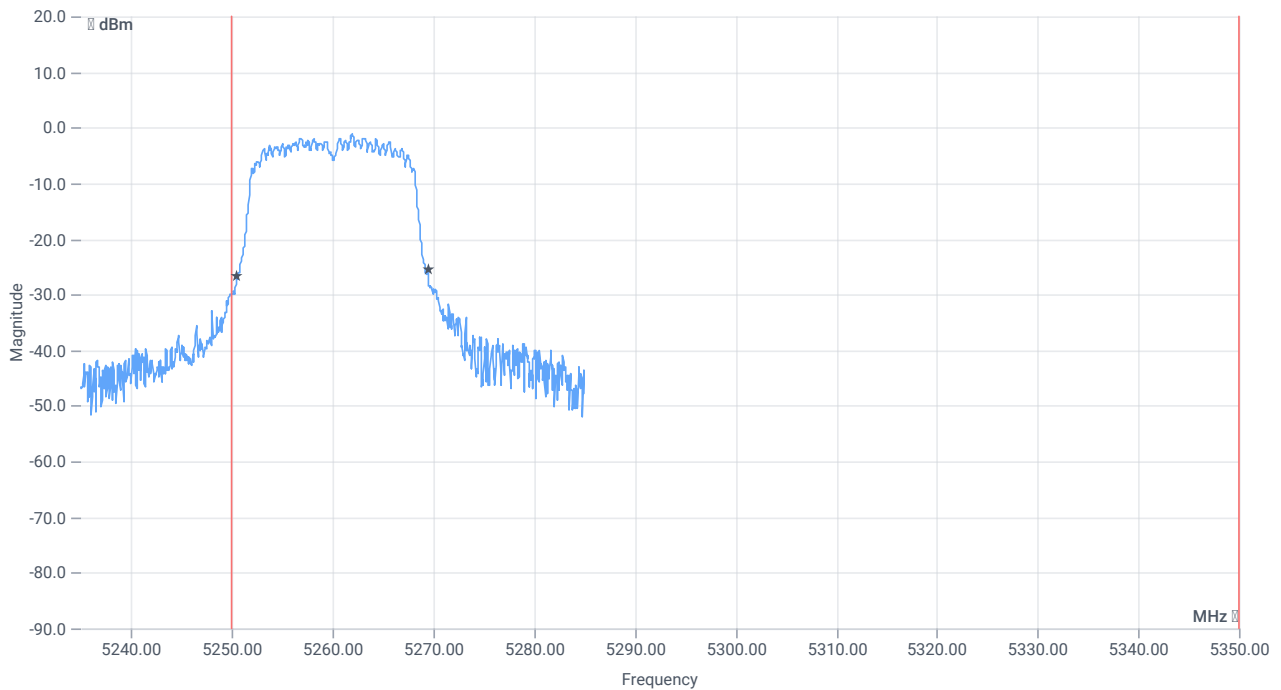
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5250.000000	--	5251.8581	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5268.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5250.4500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5269.4500	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:34:34
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

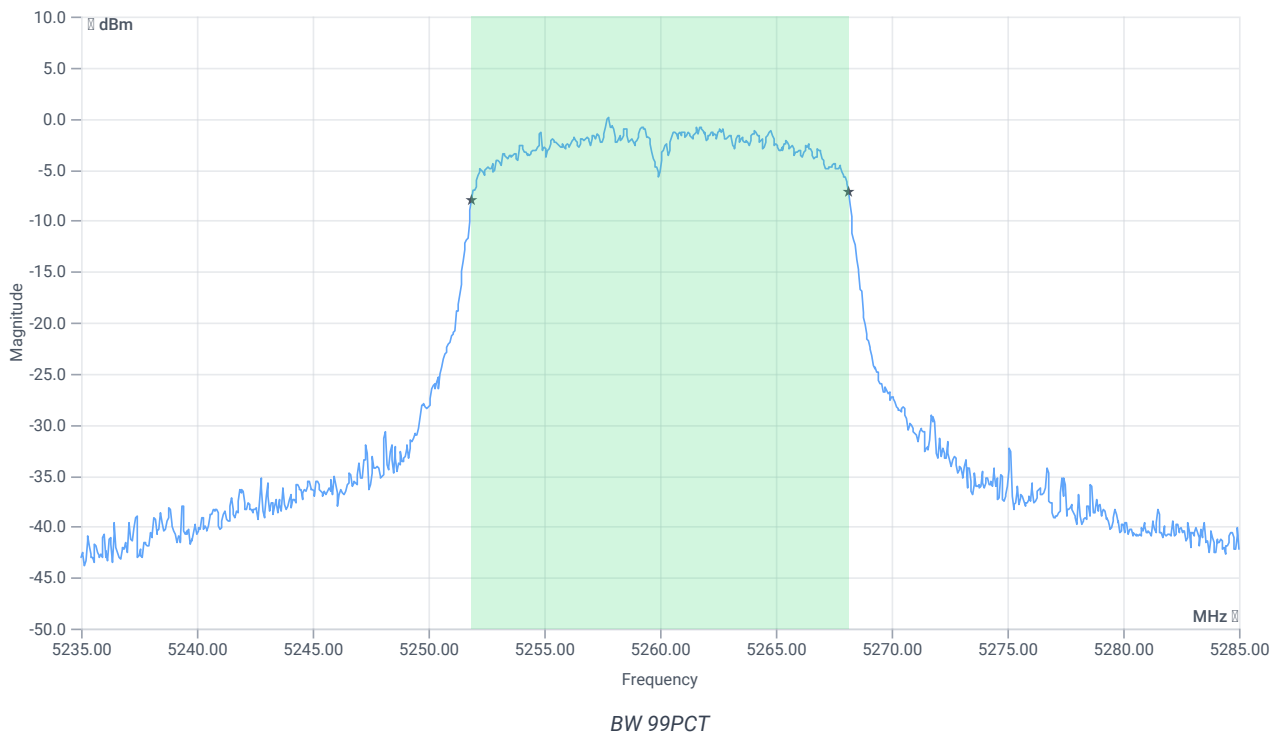
Test at TX 5260 MHz

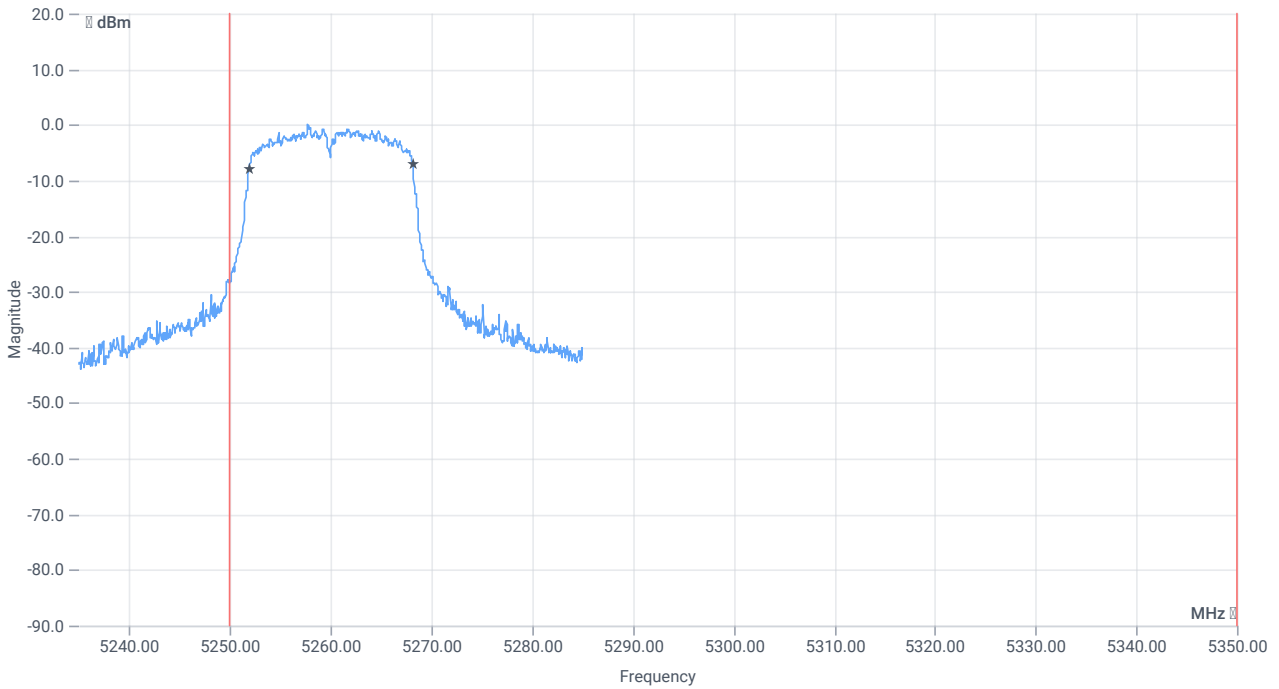
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.89	dBm	INFO
Ref. frequency	--	--	5262.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.89 13.04 15
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

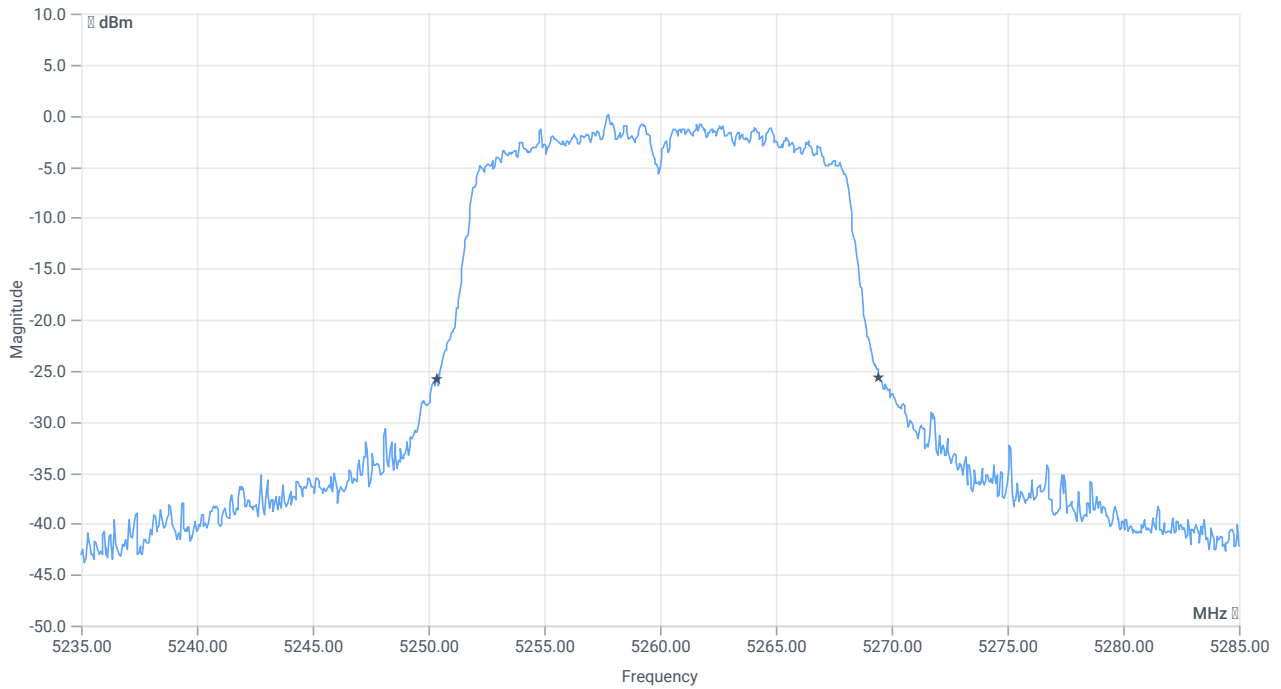




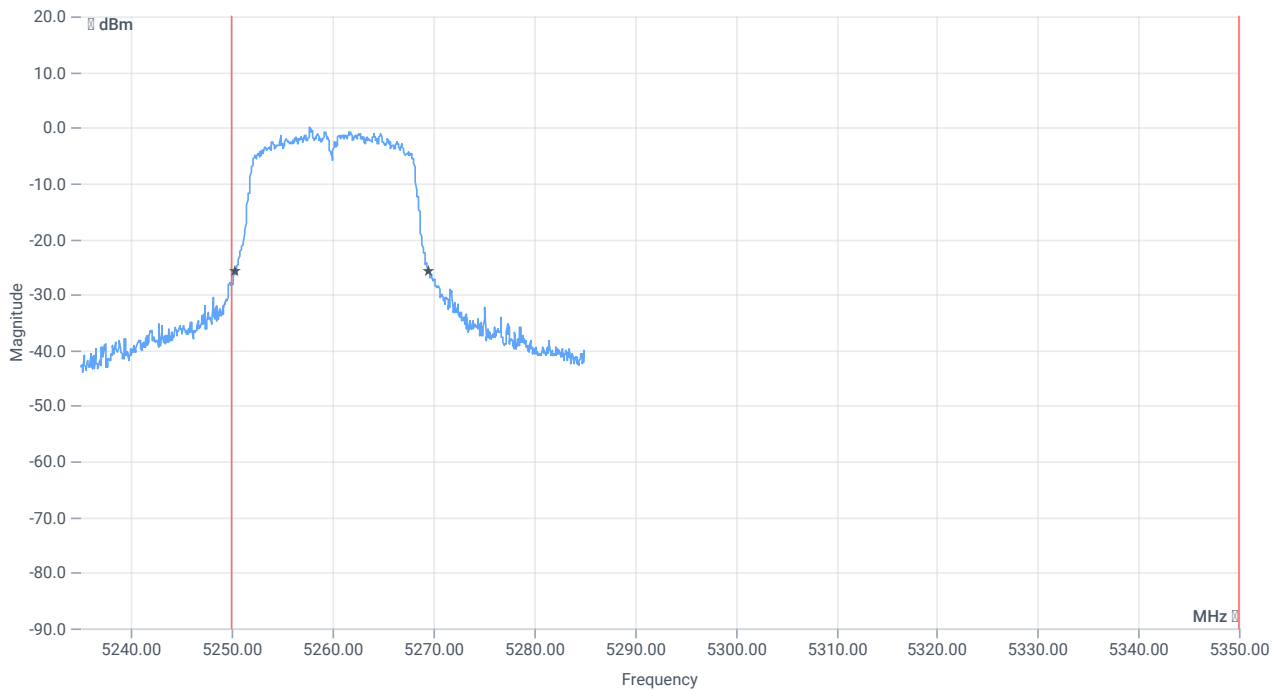
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5250.000000	--	5251.8581	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5268.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.1	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5250.3500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5269.4500	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:42:43
Ambit temp [°C] humidity [rel%]	28.1 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

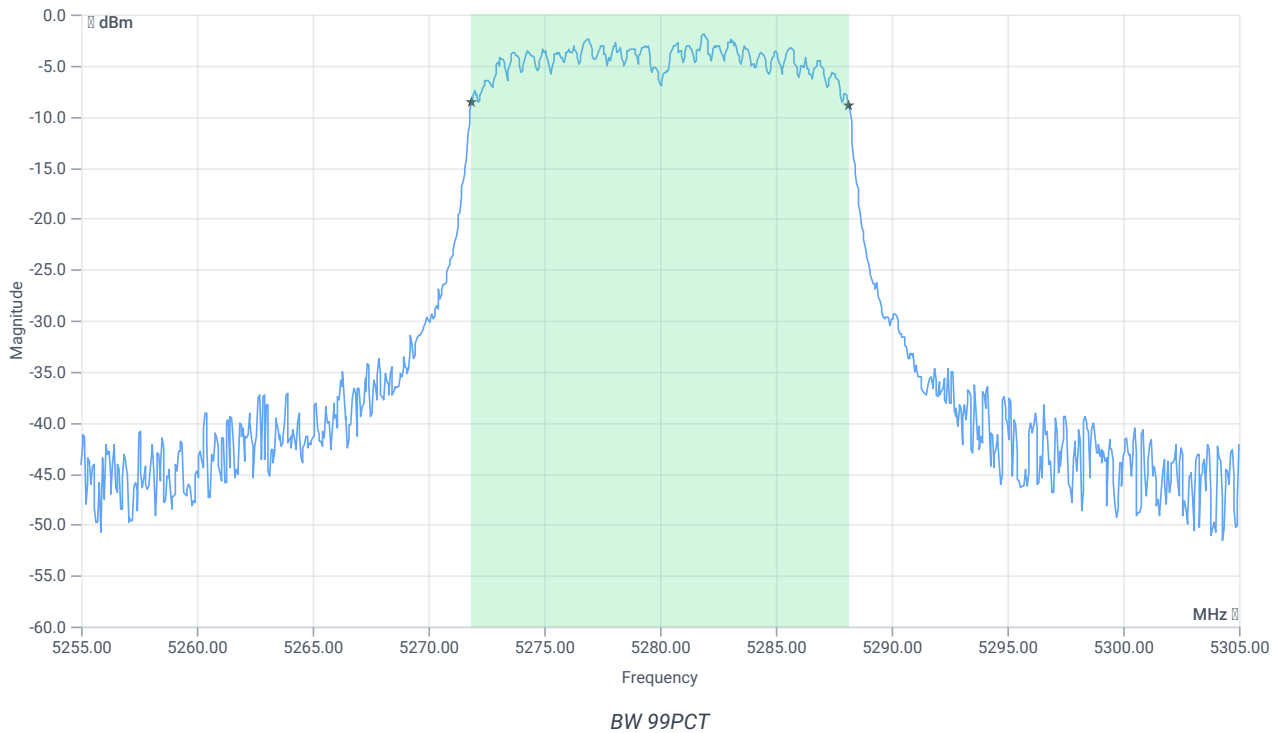
Test at TX 5280 MHz

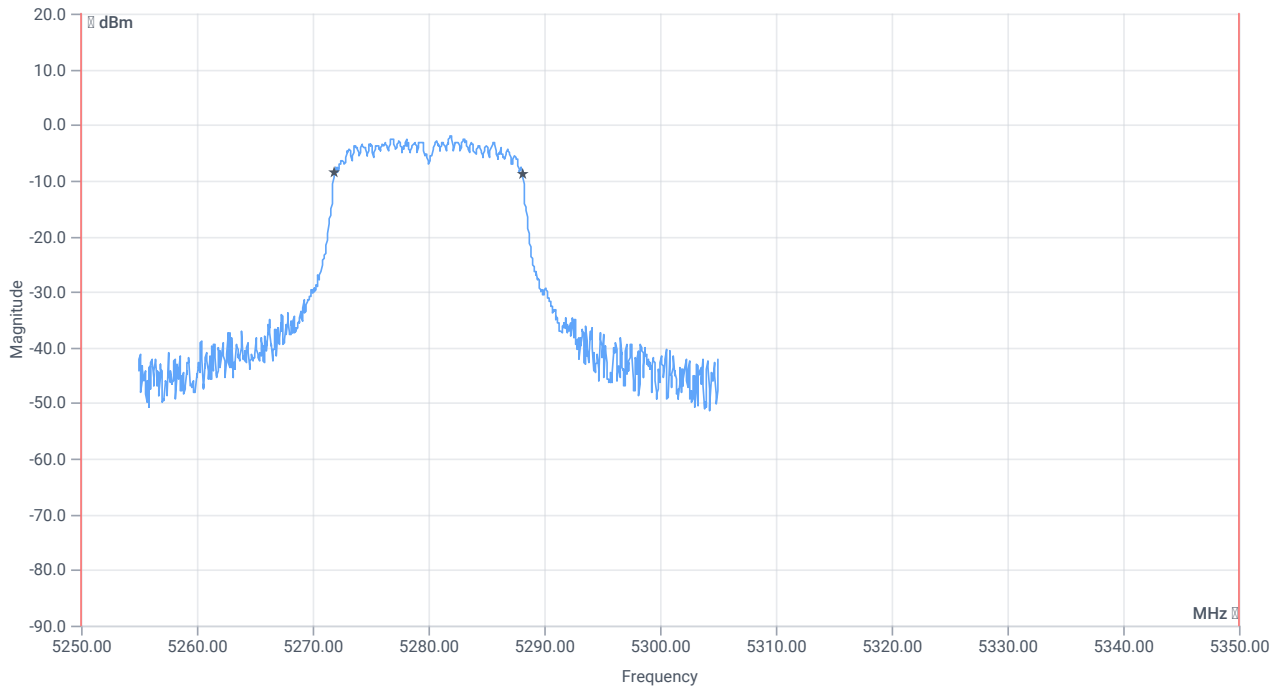
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.67	dBm	INFO
Ref. frequency	--	--	5281.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.67 13.29 15
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

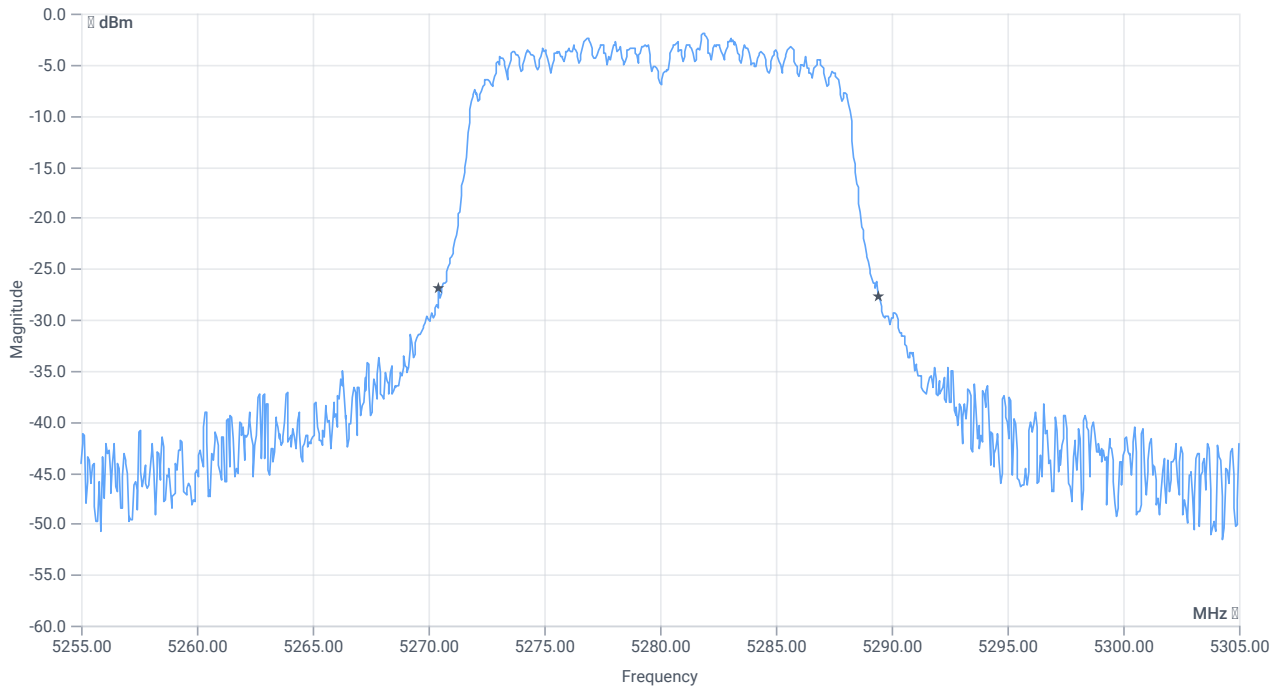




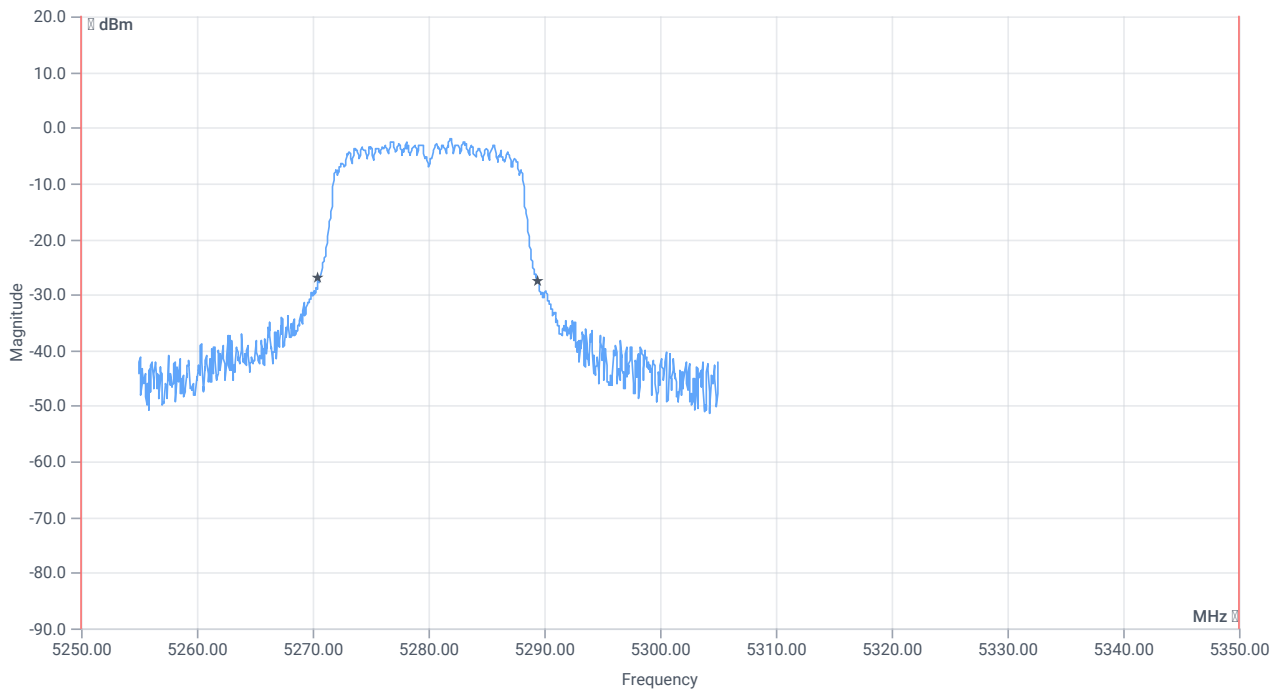
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5250.000000	--	5271.8581	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5270.4500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5289.4500	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:46:17
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

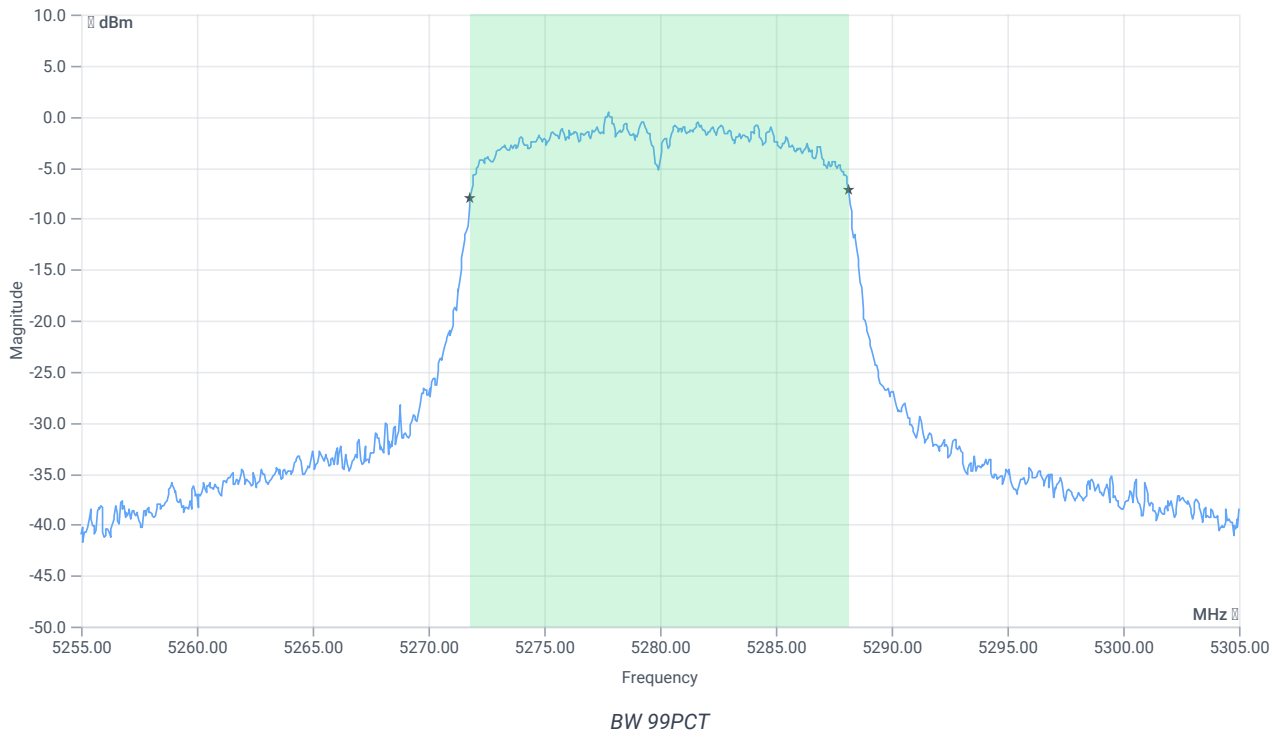
Test at TX 5280 MHz

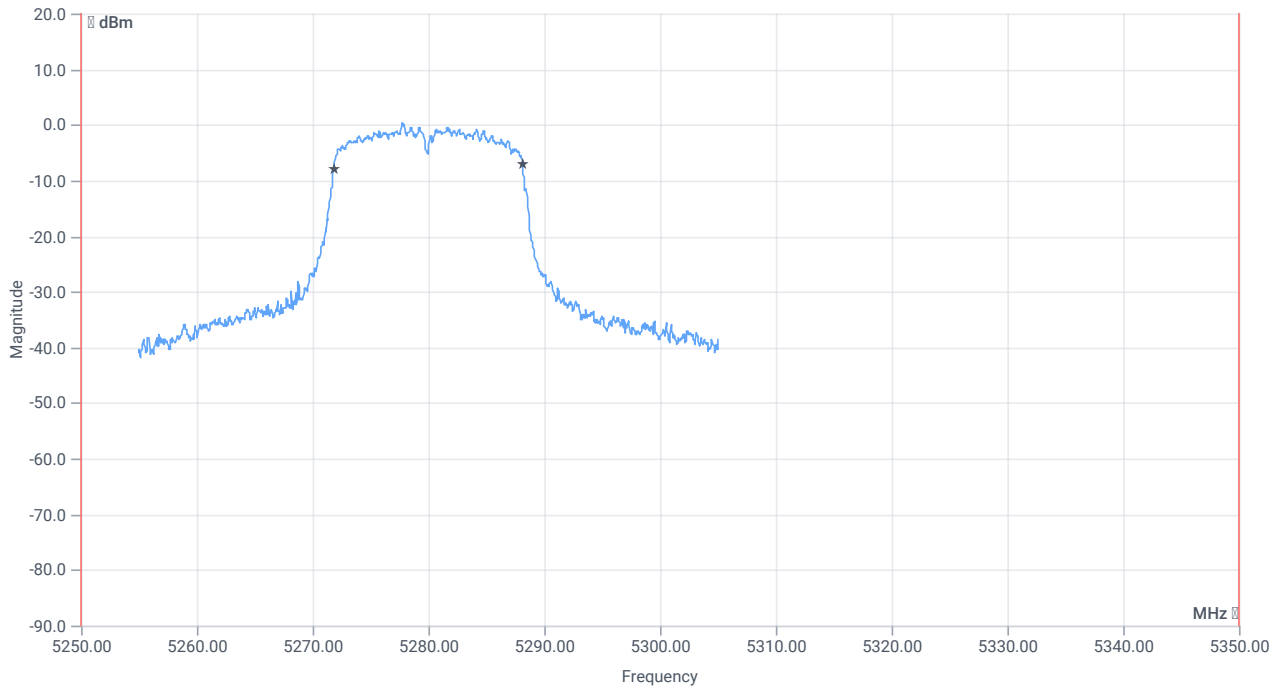
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	4.76	dBm	INFO
Ref. frequency	--	--	5278.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.76 13.27 15
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

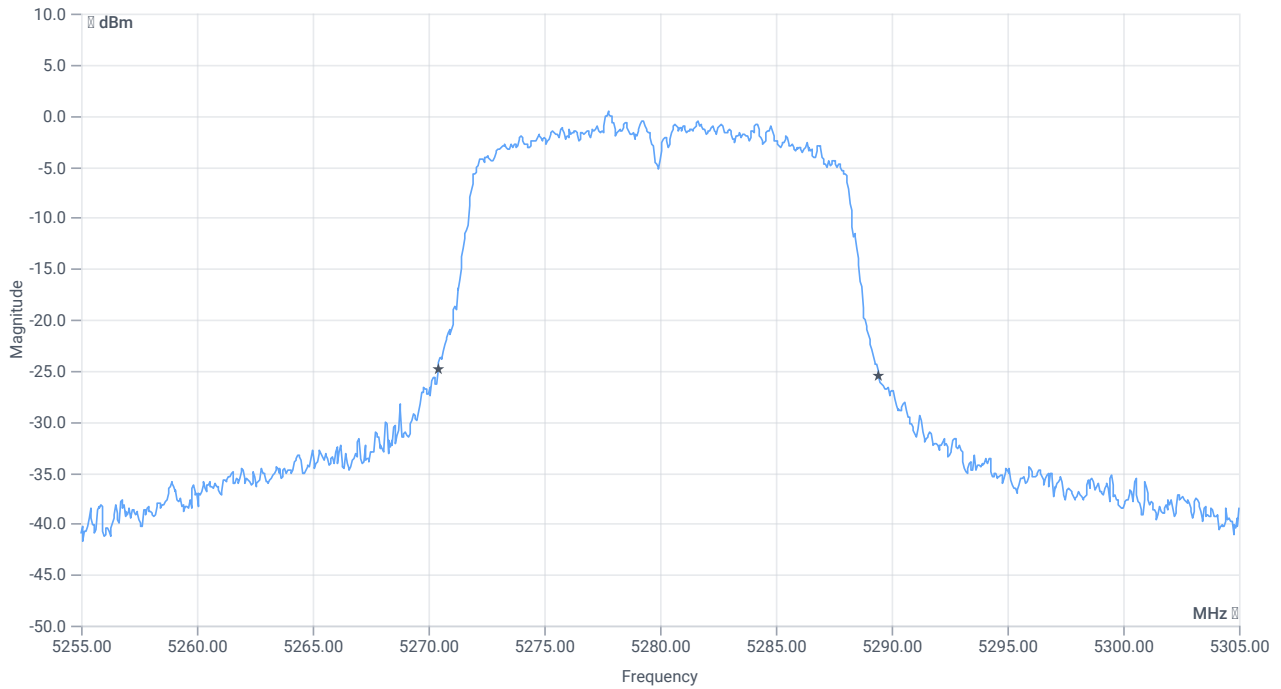




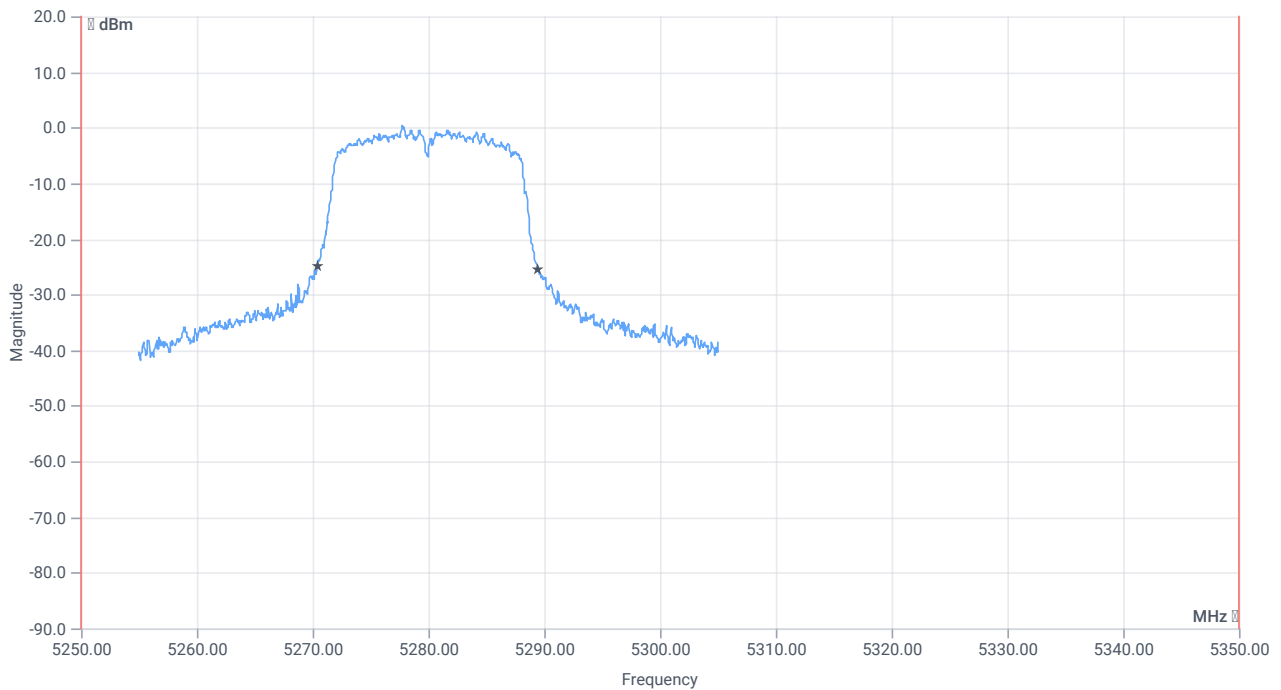
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5250.000000	--	5271.8082	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.05	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5270.4000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5289.4500	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:50:33
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

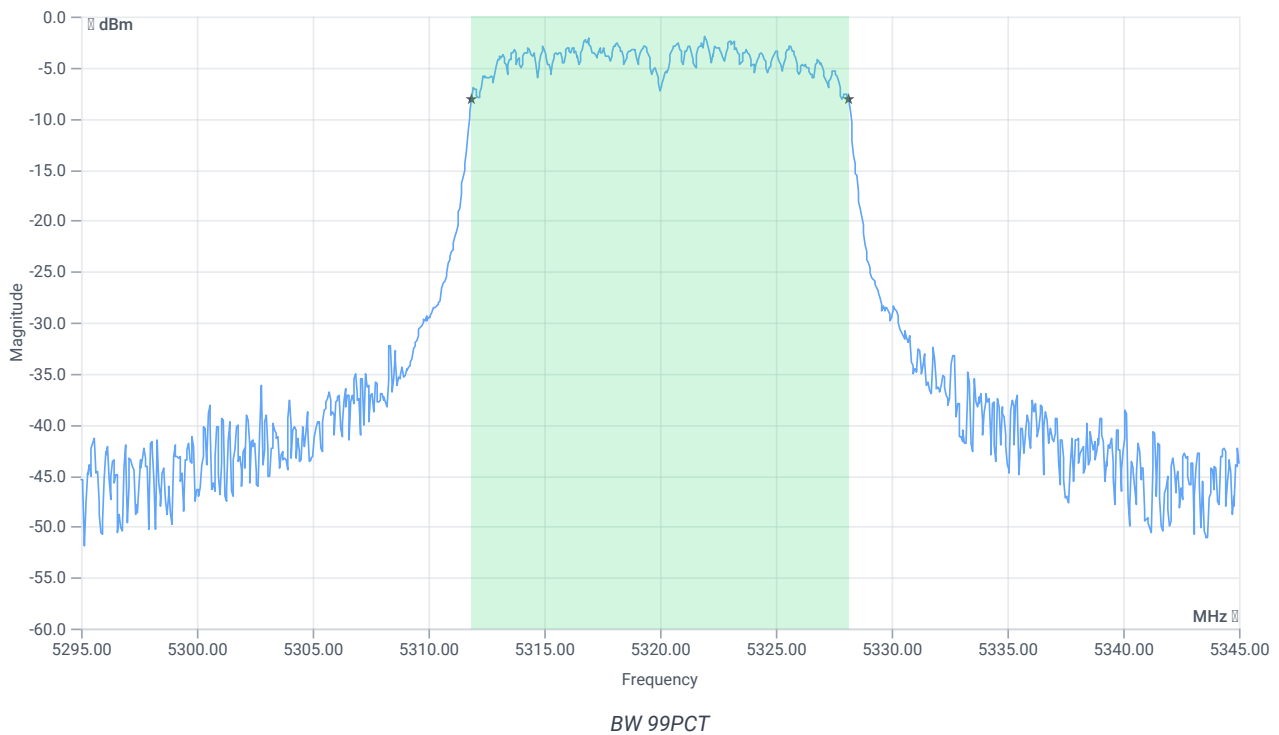
Test at TX 5320 MHz

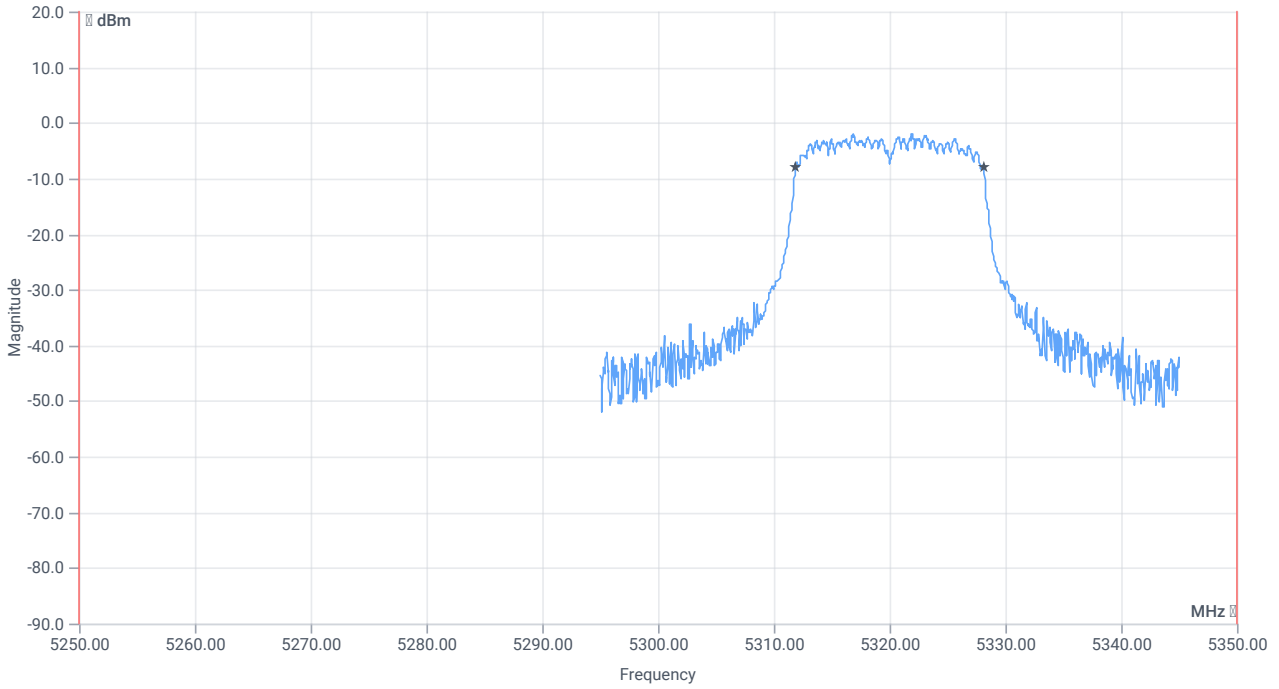
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.32	dBm	INFO
Ref. frequency	--	--	5318.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.32 13.96 15
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

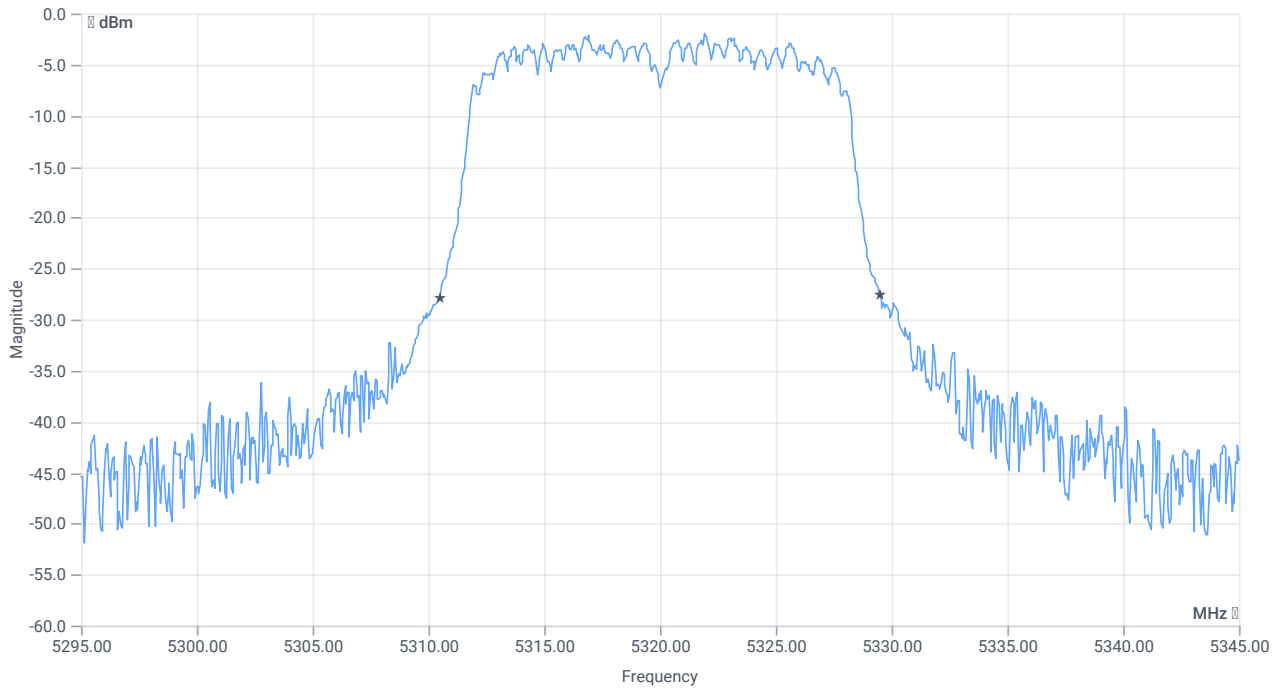




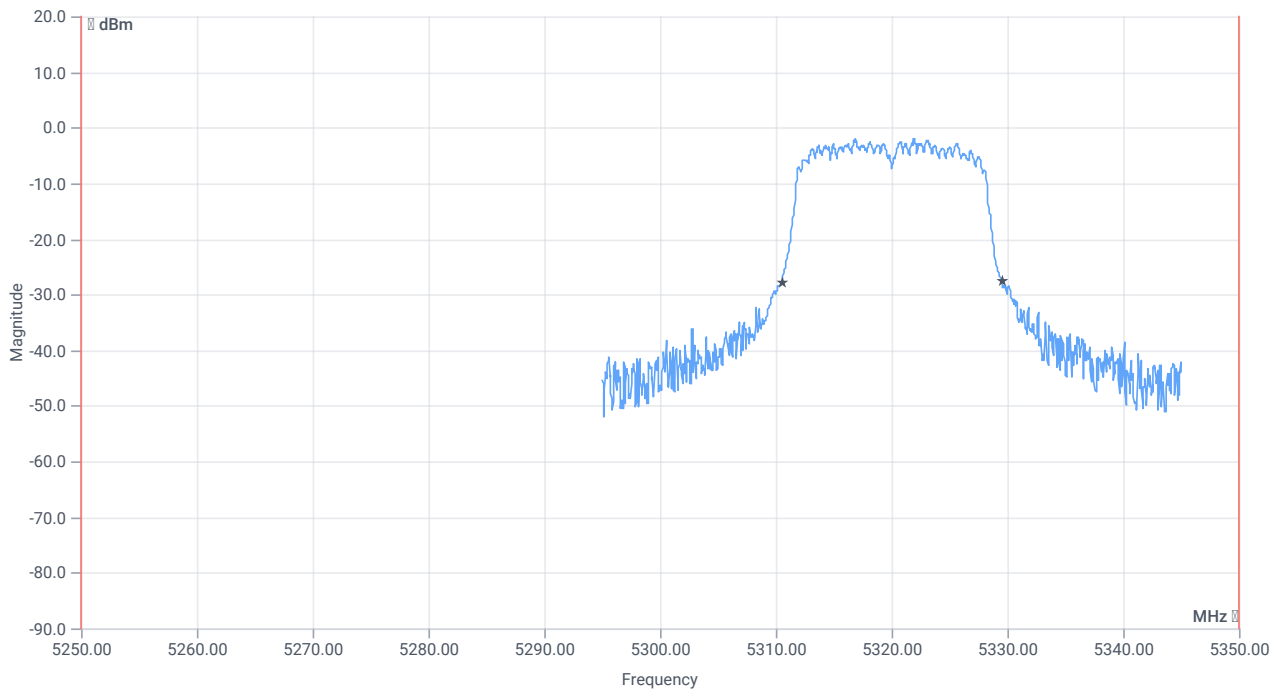
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5250.000000	--	5311.8581	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5310.5000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5329.5000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:54:06
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

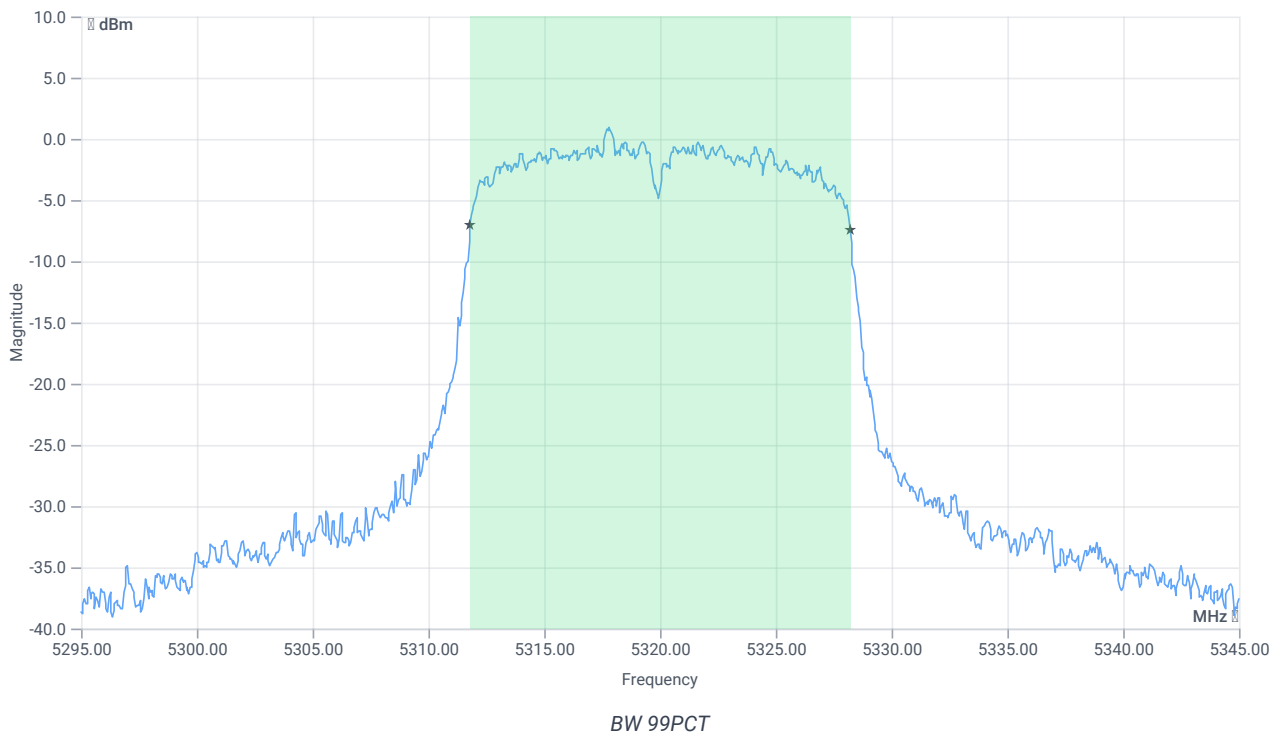
Test at TX 5320 MHz

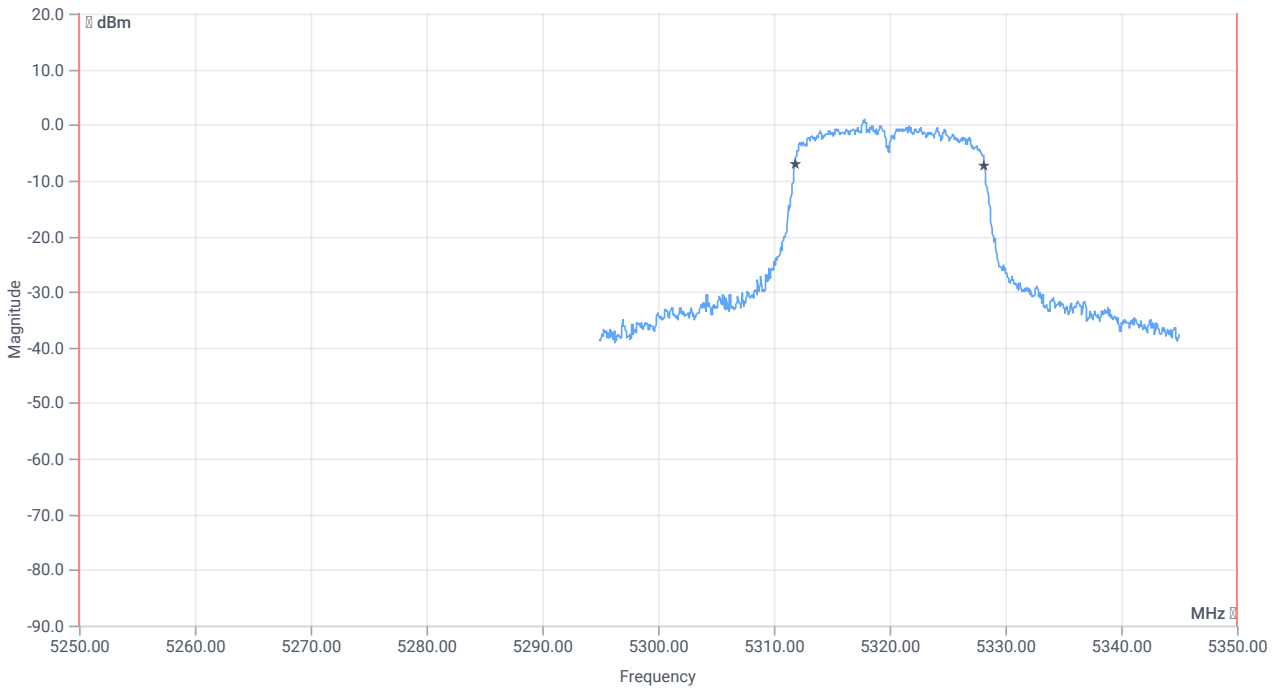
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	4.62	dBm	INFO
Ref. frequency	--	--	5318.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.62 13.72 15
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

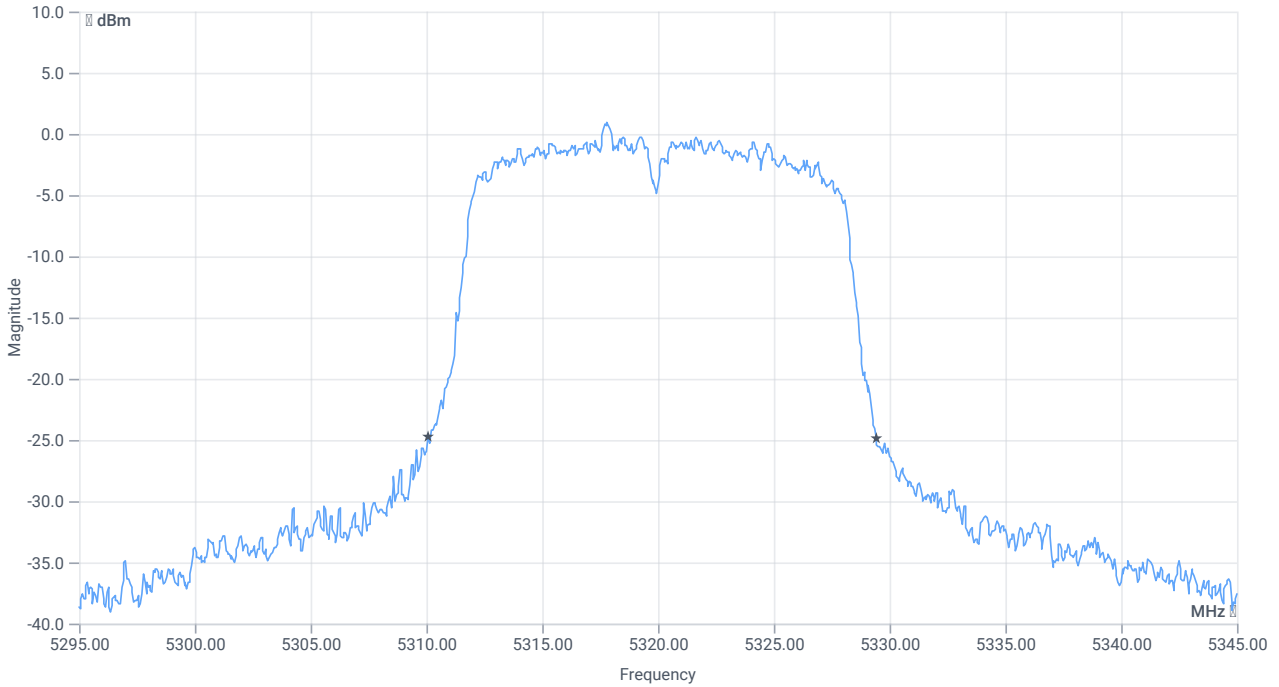




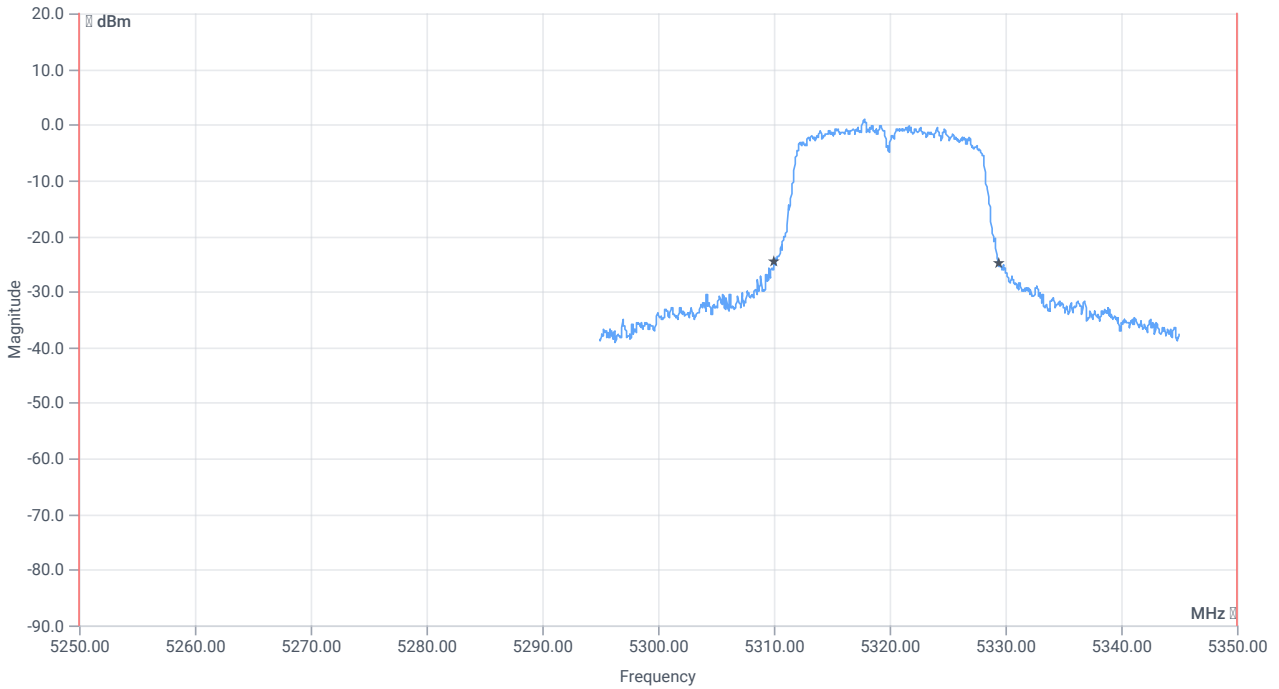
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.384	MHz	INFO
T1 99%	5250.000000	--	5311.8082	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.1918	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.35	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5310.0500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5329.4000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:22:54
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

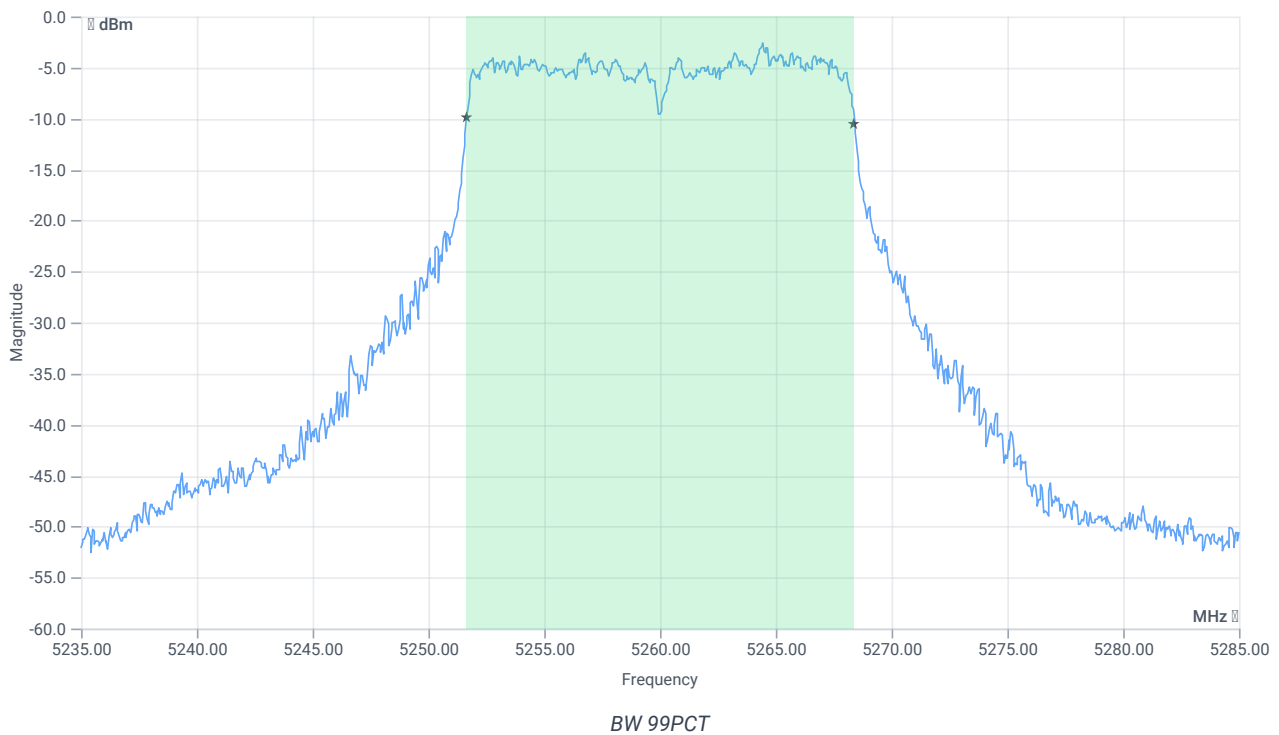
Test at TX 5260 MHz

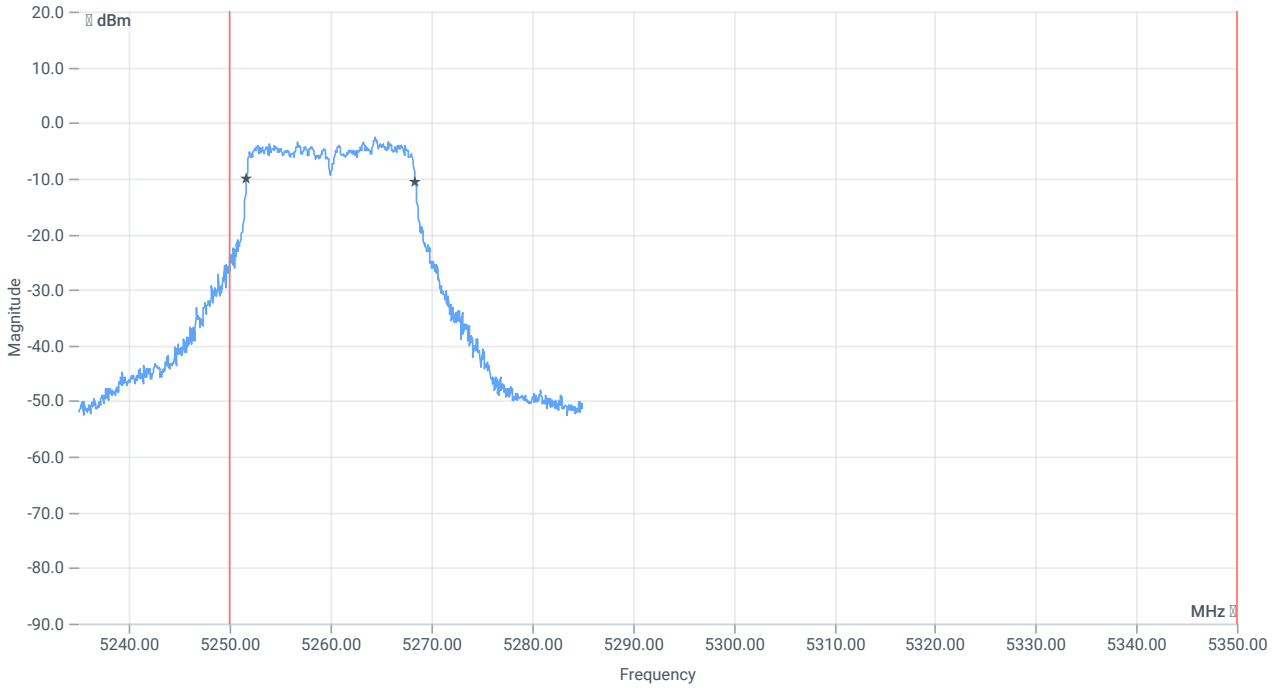
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.14	dBm	INFO
Ref. frequency	--	--	5256.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.14 13.25 15
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

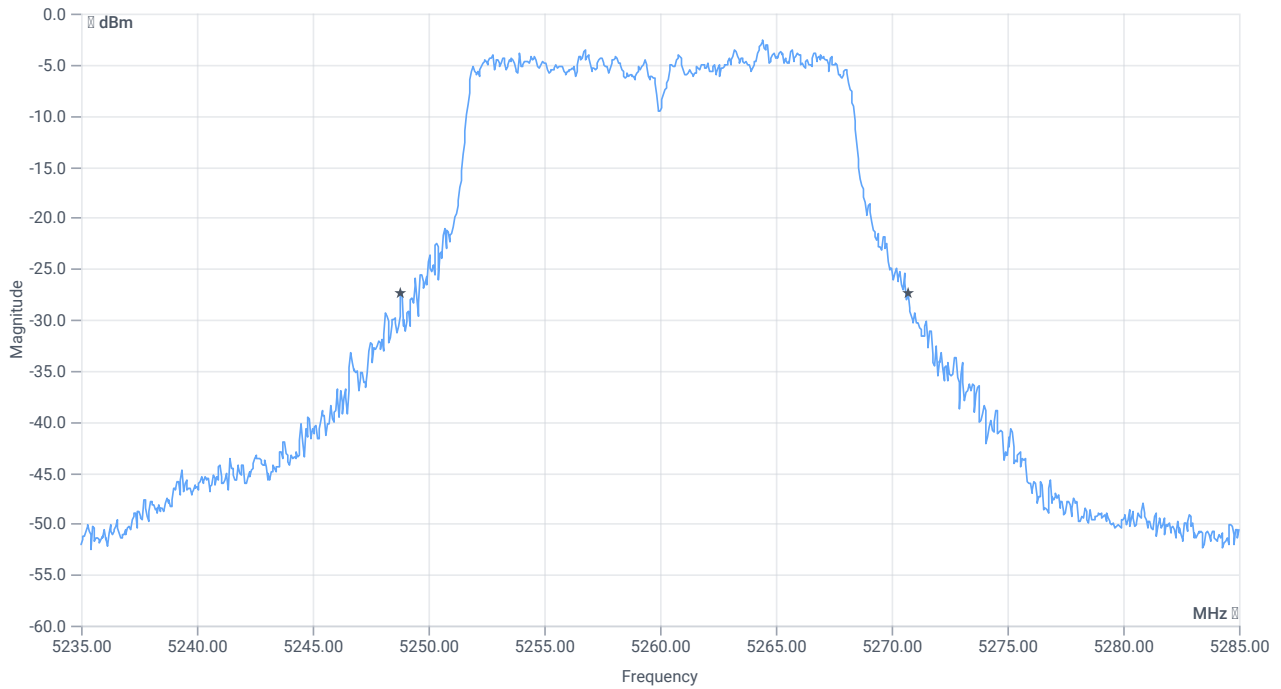




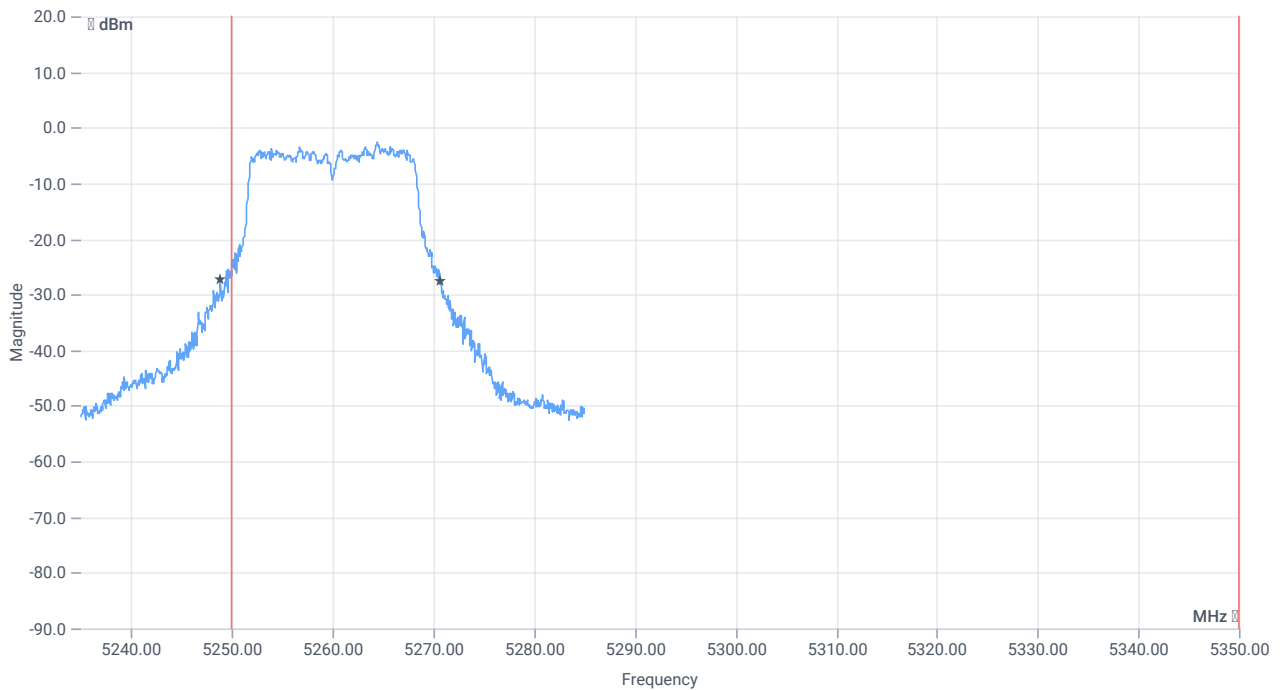
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5250.000000	--	5251.6583	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5268.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.9	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5248.8000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5270.7000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:26:24
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

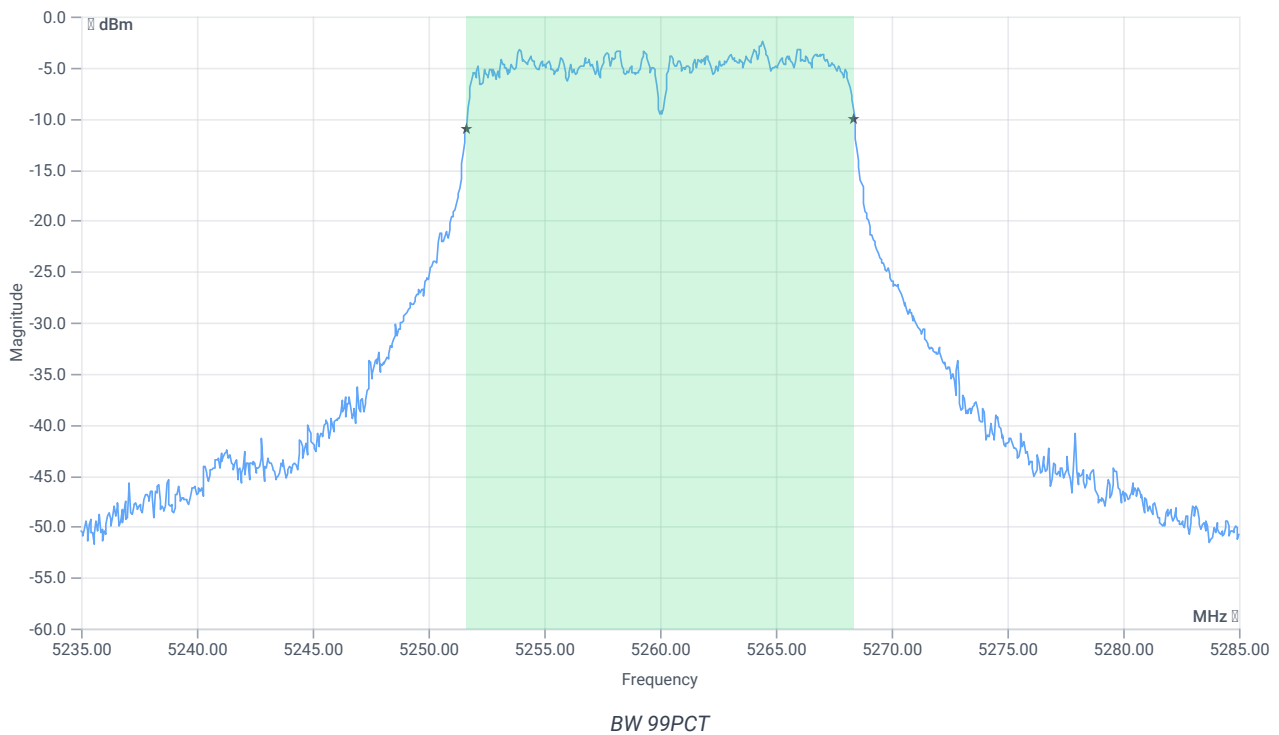
Test at TX 5260 MHz

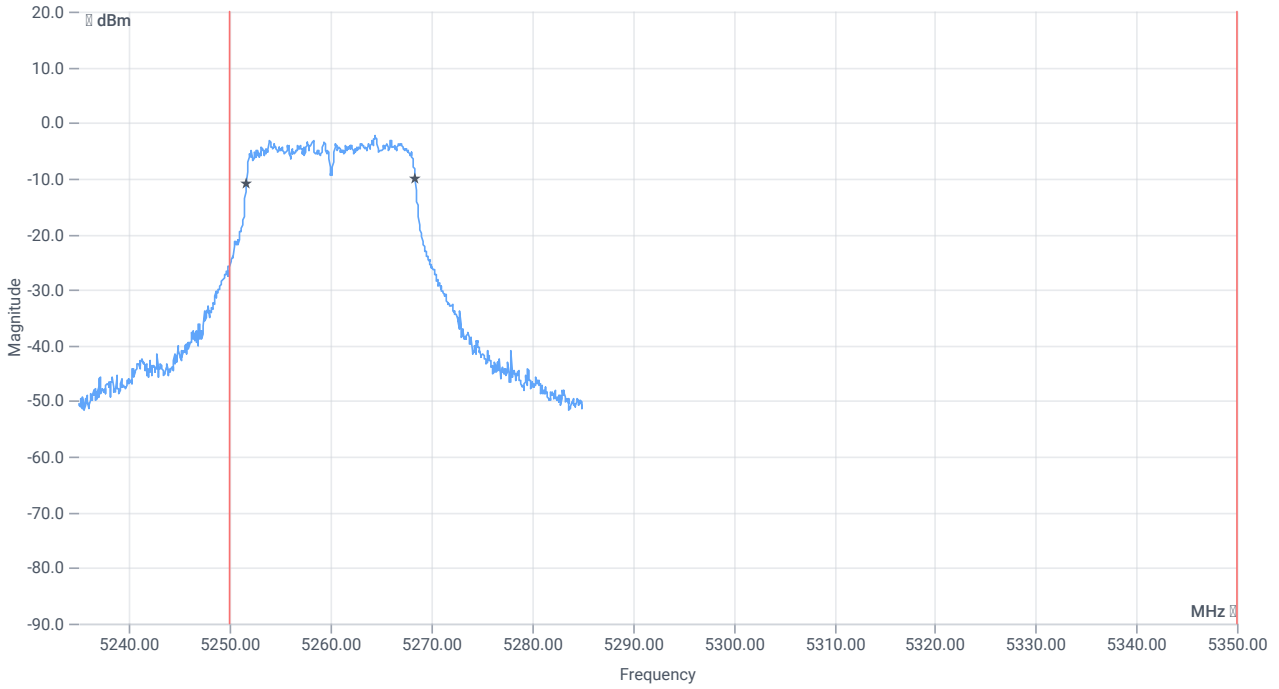
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.38	dBm	INFO
Ref. frequency	--	--	5256.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.38 13.04 15
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

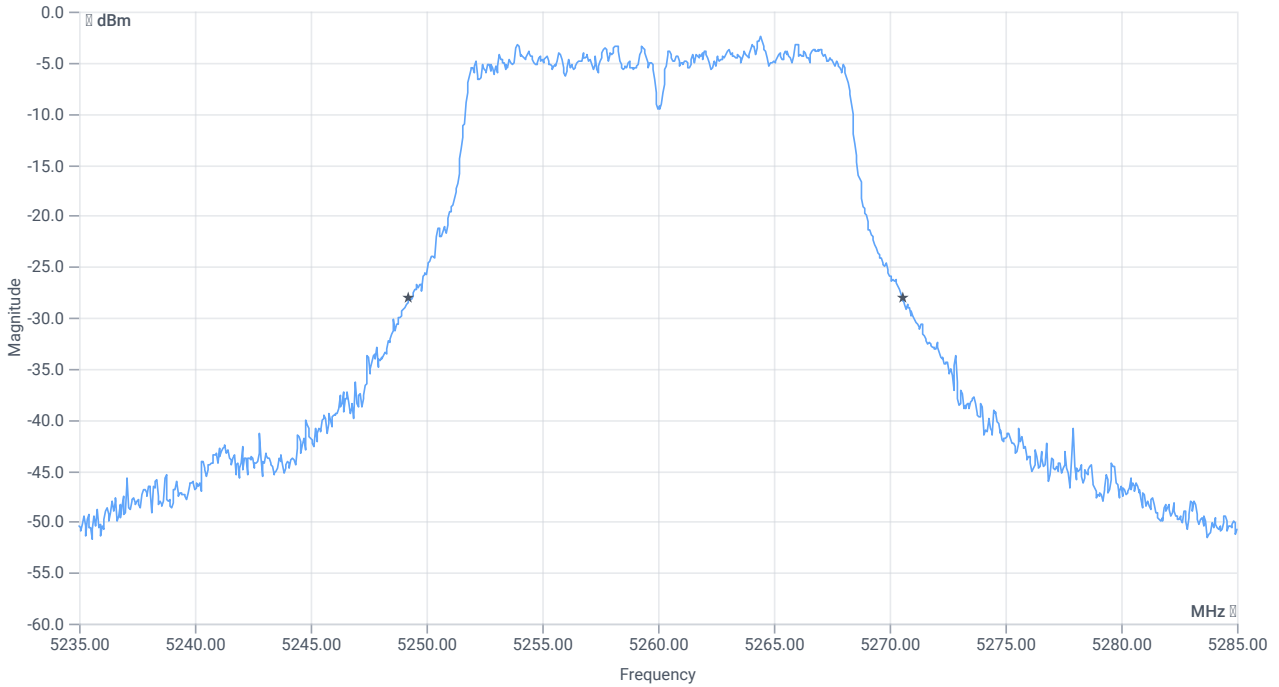




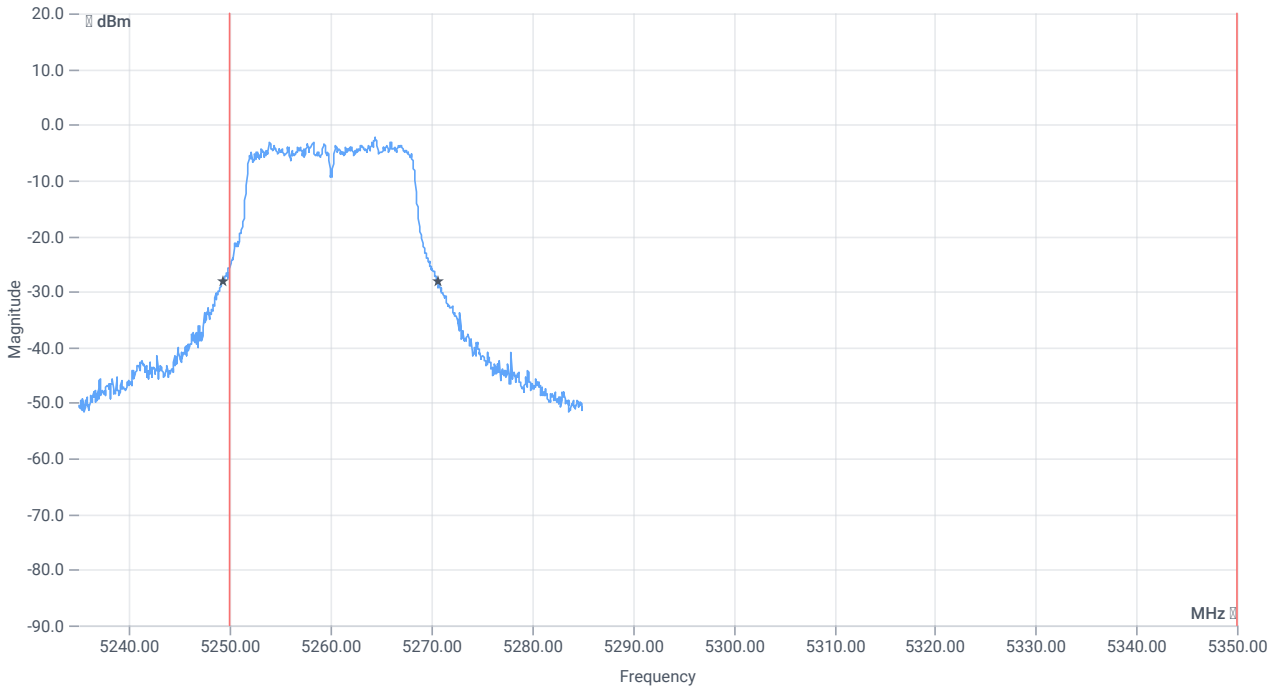
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5250.000000	--	5251.6583	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5268.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.35	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5249.2500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5270.6000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:30:21
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

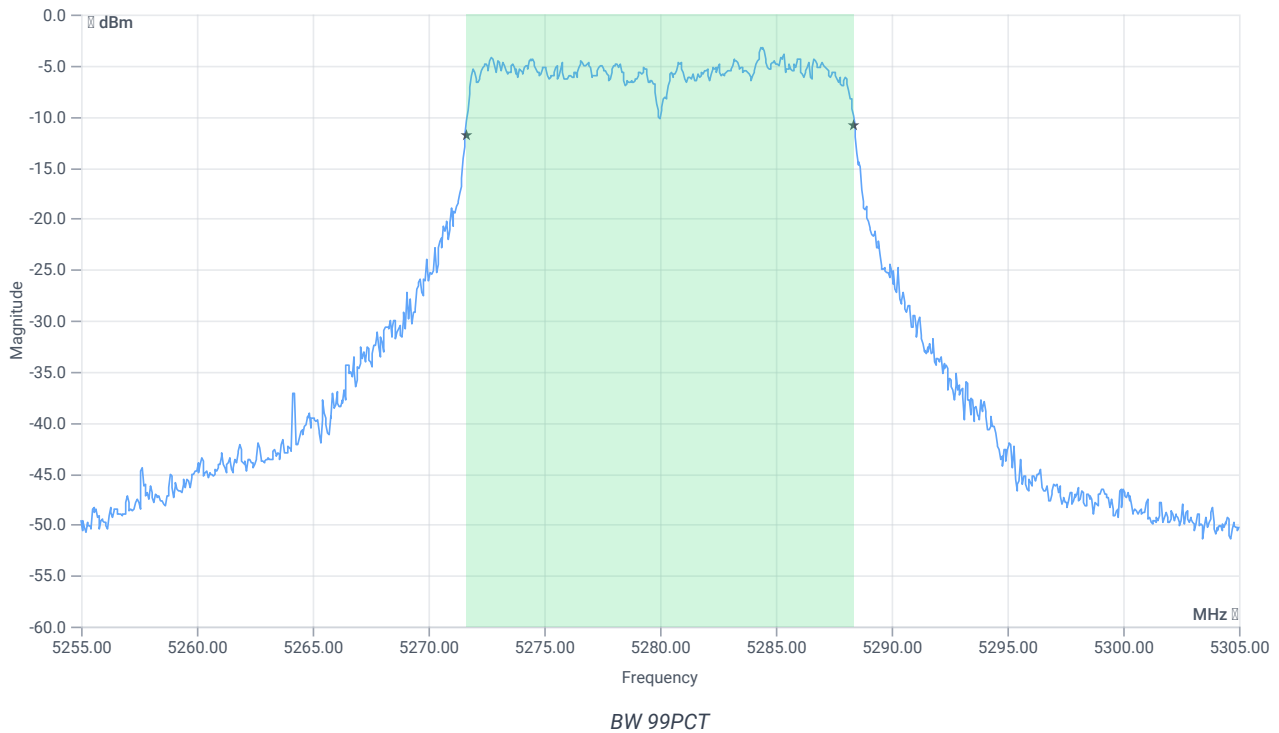
Test at TX 5280 MHz

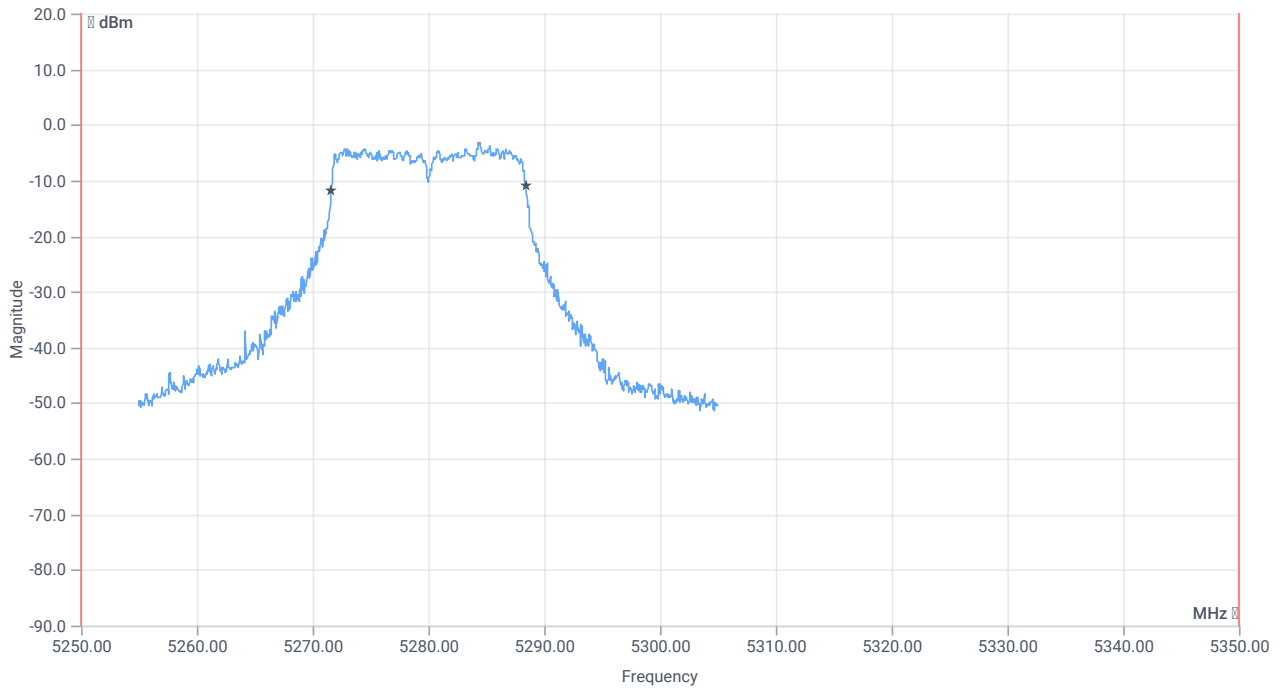
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.47	dBm	INFO
Ref. frequency	--	--	5276.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.47 13.29 15
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

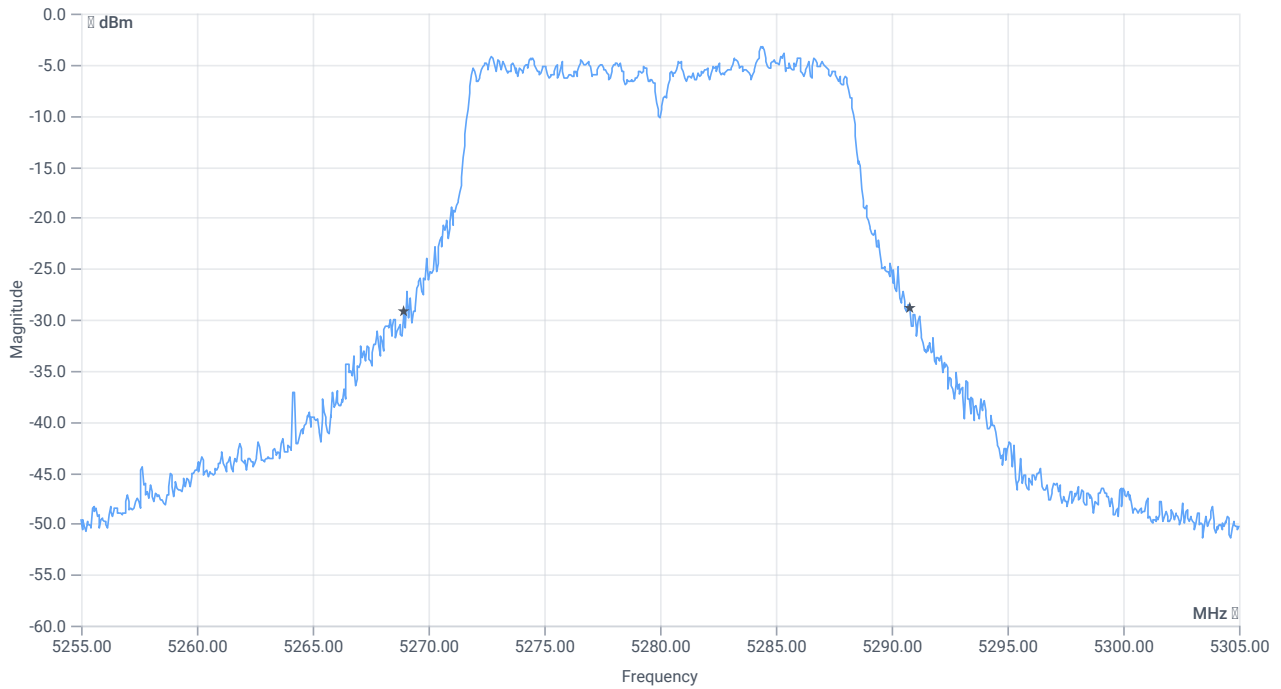




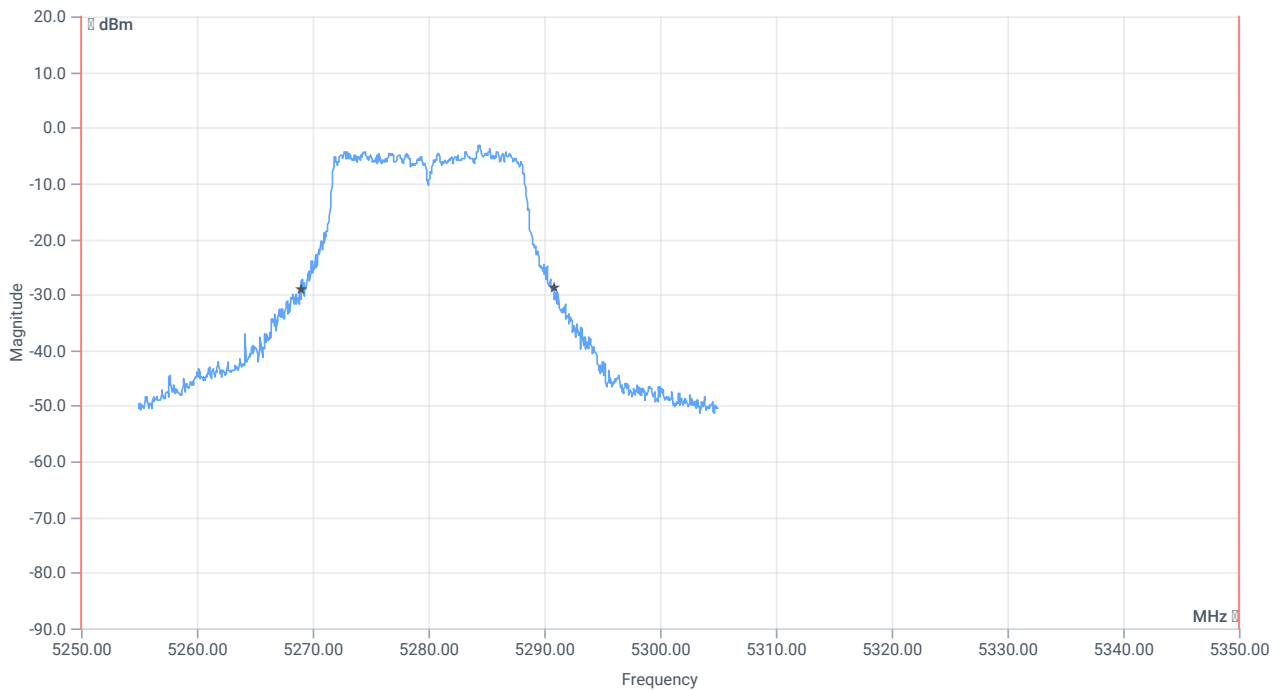
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5250.000000	--	5271.6084	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.85	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5268.9500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5290.8000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:33:52
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

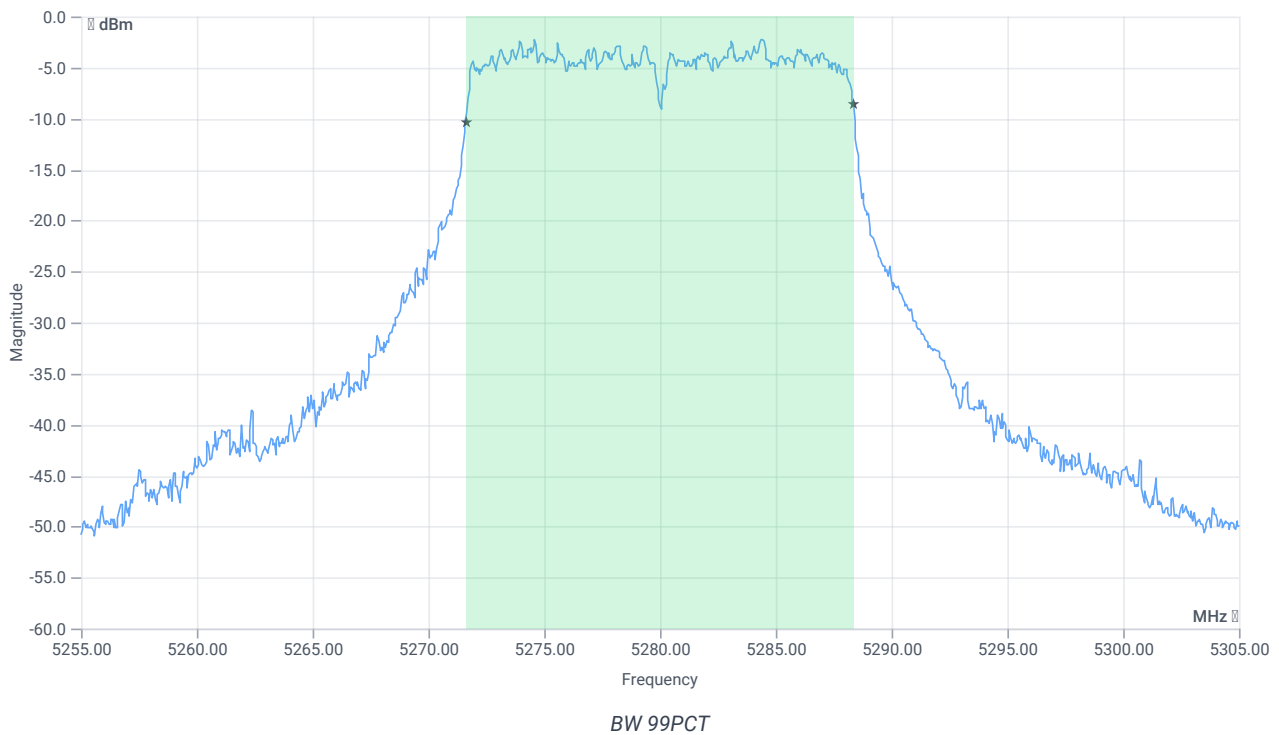
Test at TX 5280 MHz

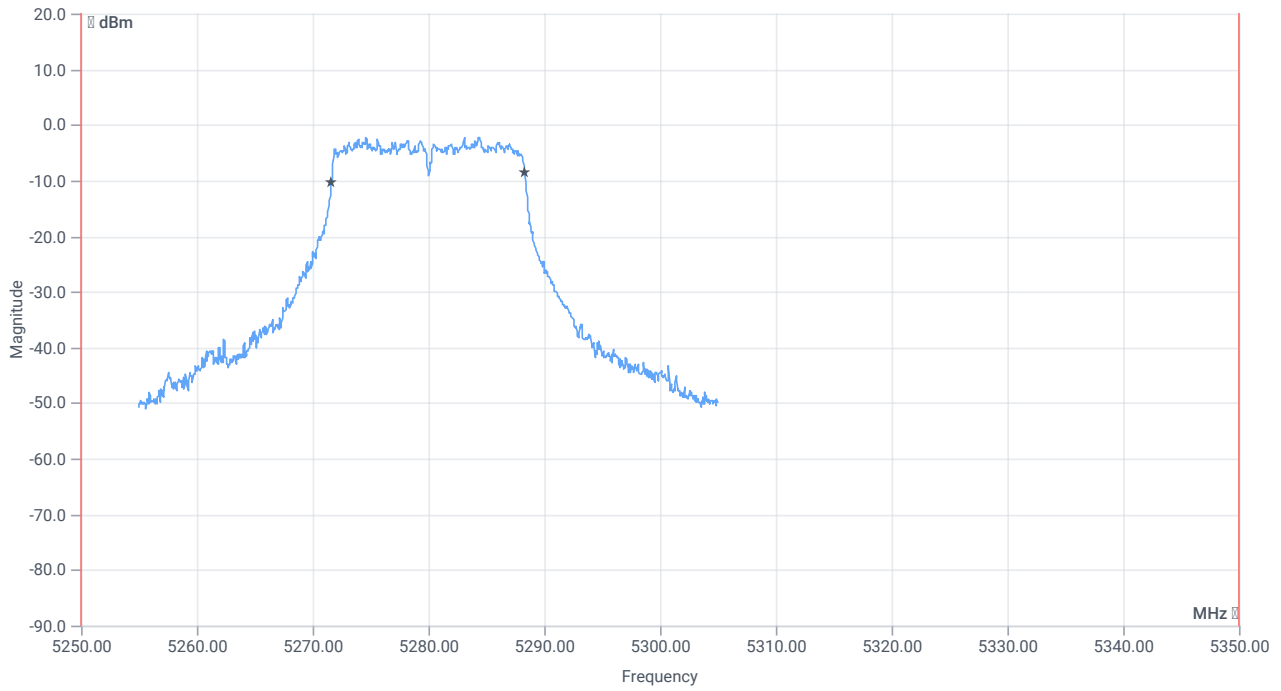
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.94	dBm	INFO
Ref. frequency	--	--	5274.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.94 13.27 15
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

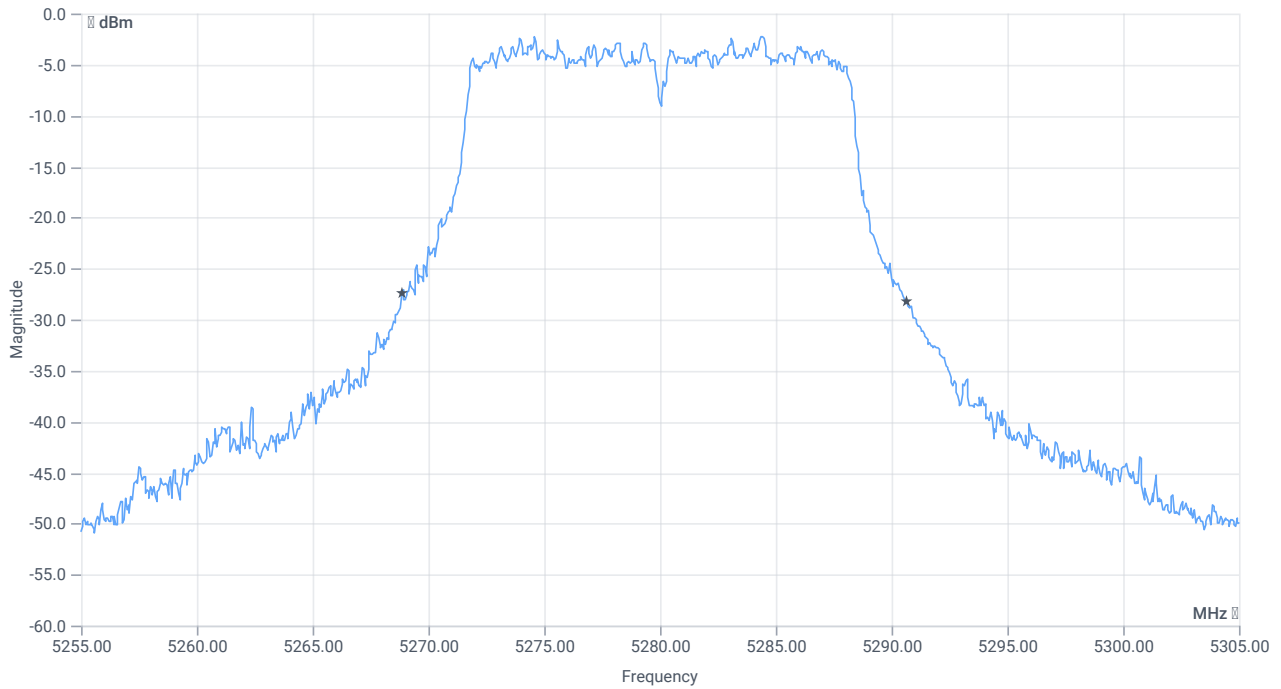




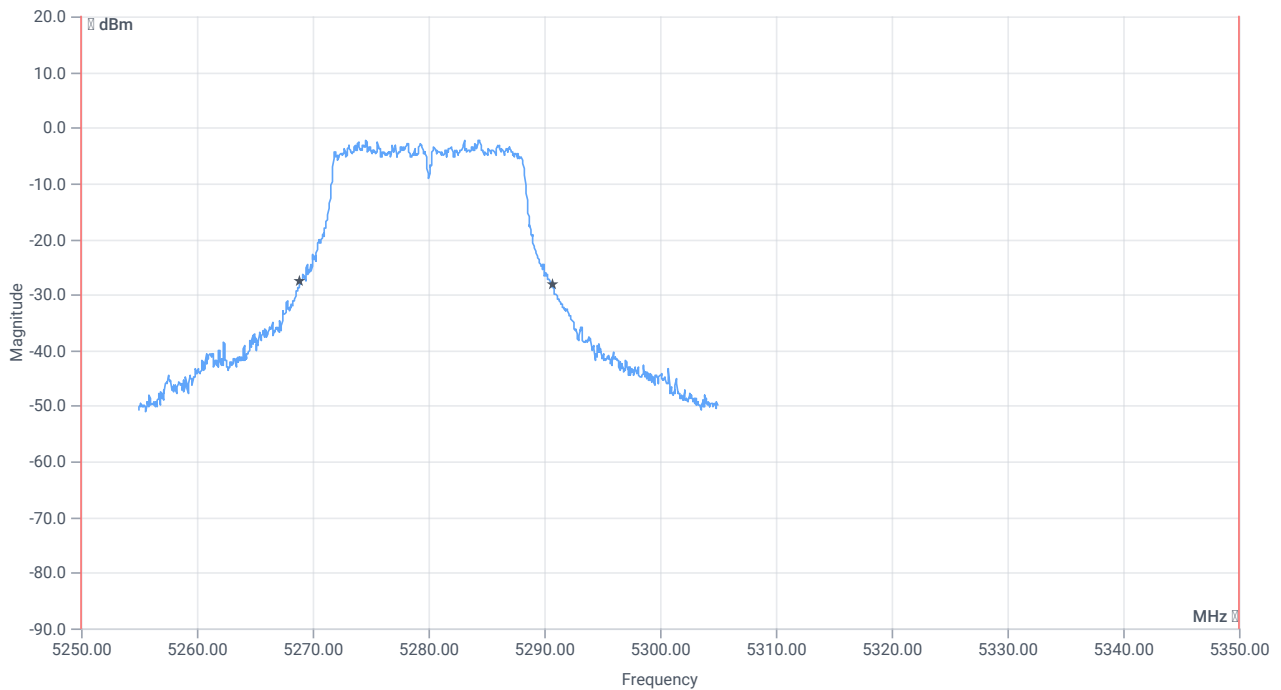
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5250.000000	--	5271.6084	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.3417	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5268.8500	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5290.6500	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:37:44
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

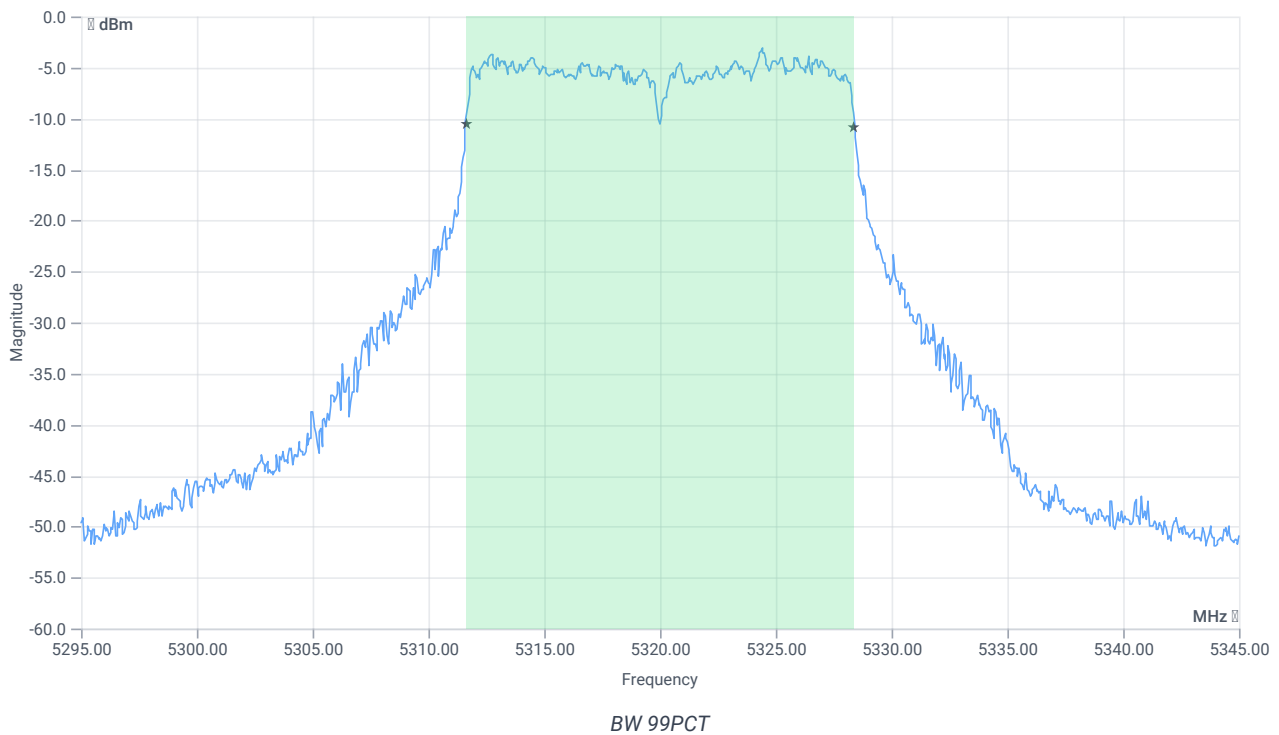
Test at TX 5320 MHz

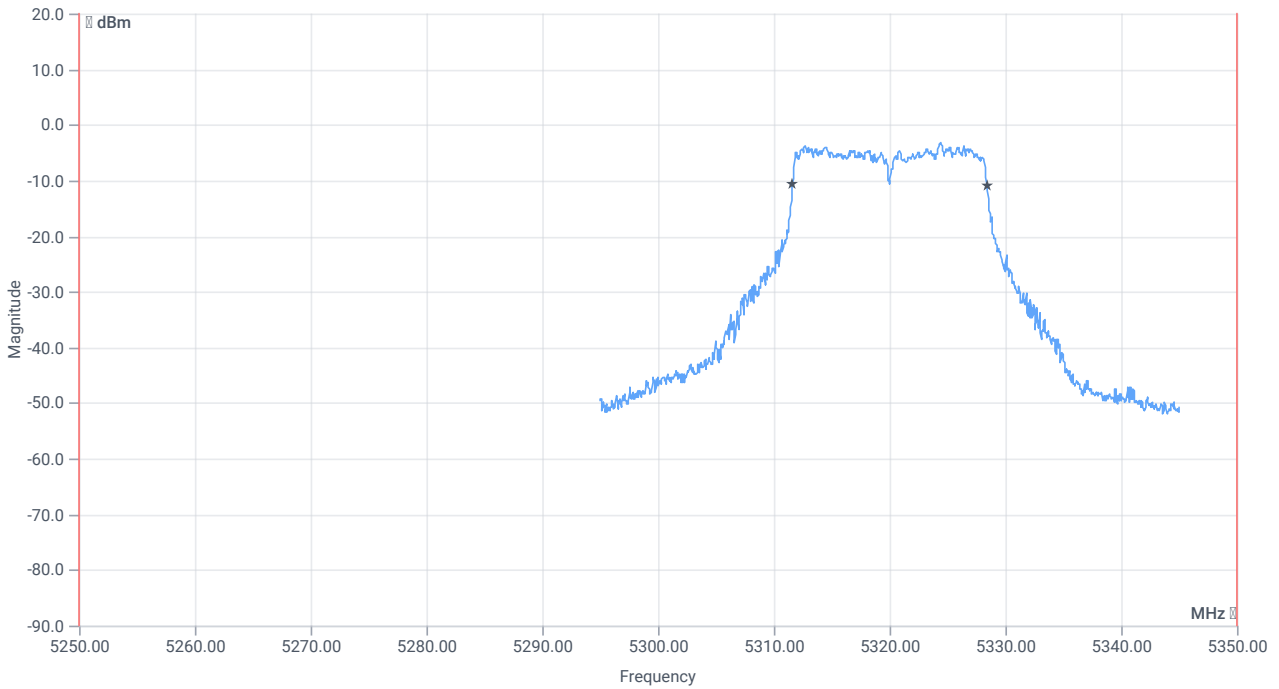
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.57	dBm	INFO
Ref. frequency	--	--	5312.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.57 13.96 15
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

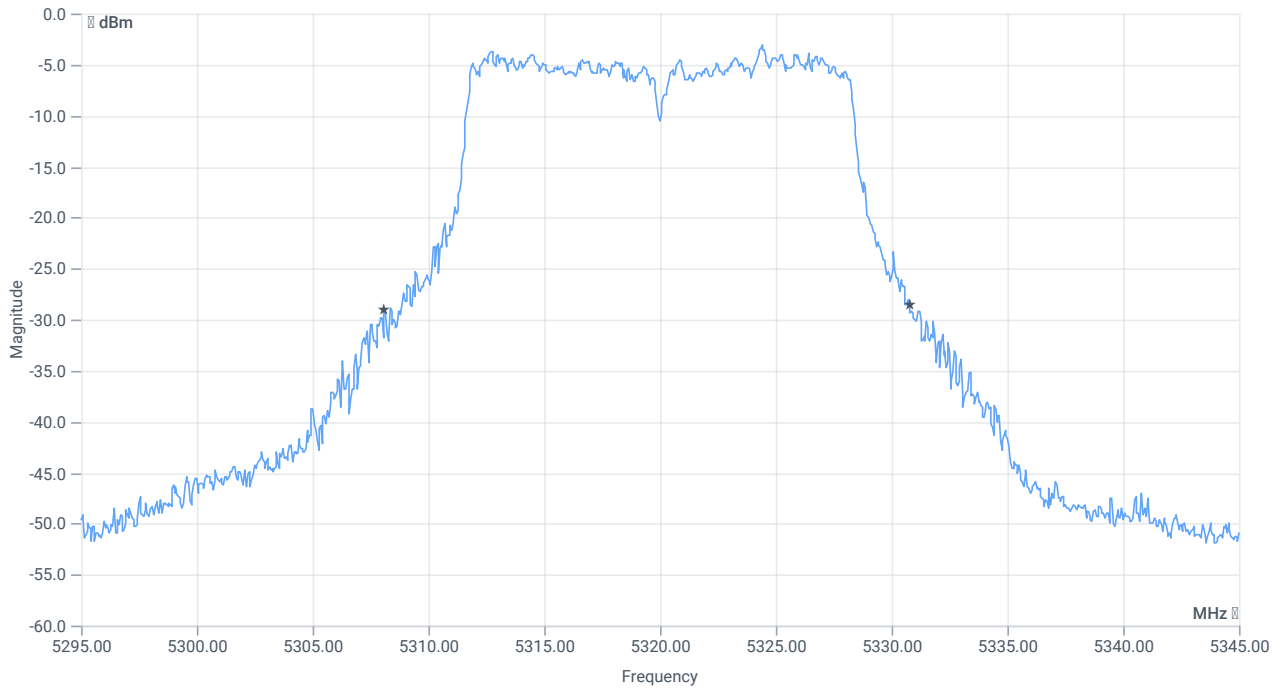




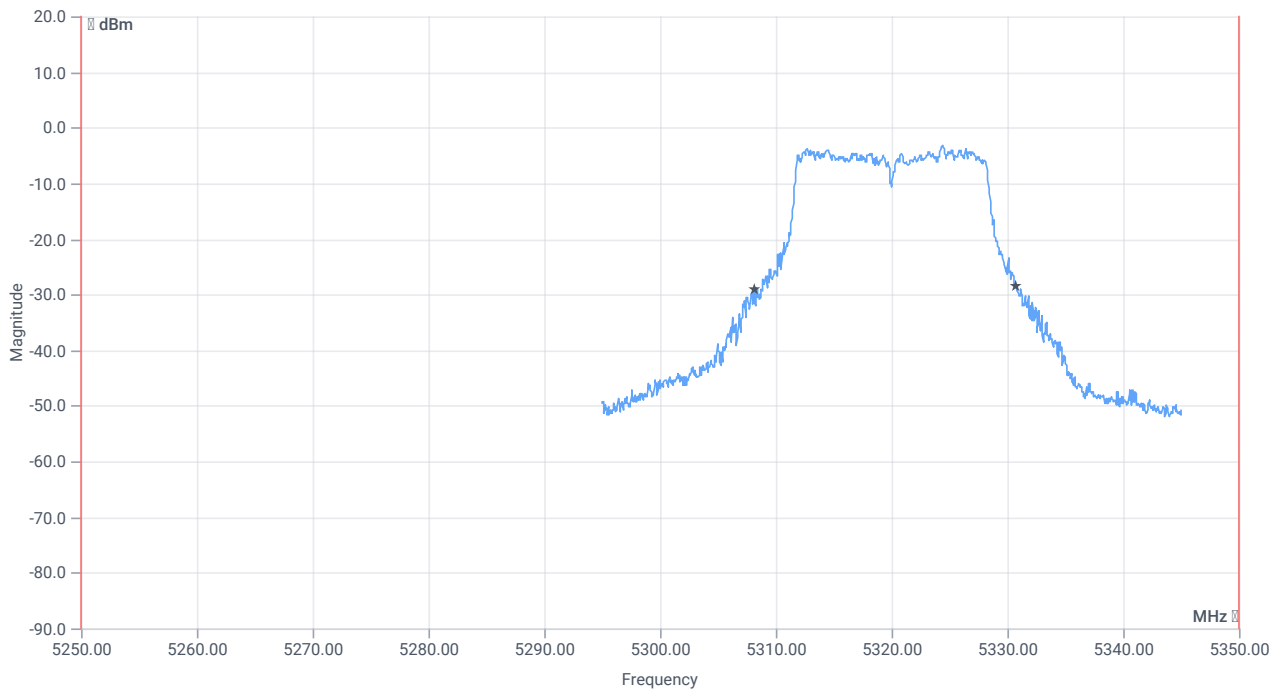
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5250.000000	--	5311.6084	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.65	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5308.1000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5330.7500	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2A

References

TC start	14.05.2024 15:41:13
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

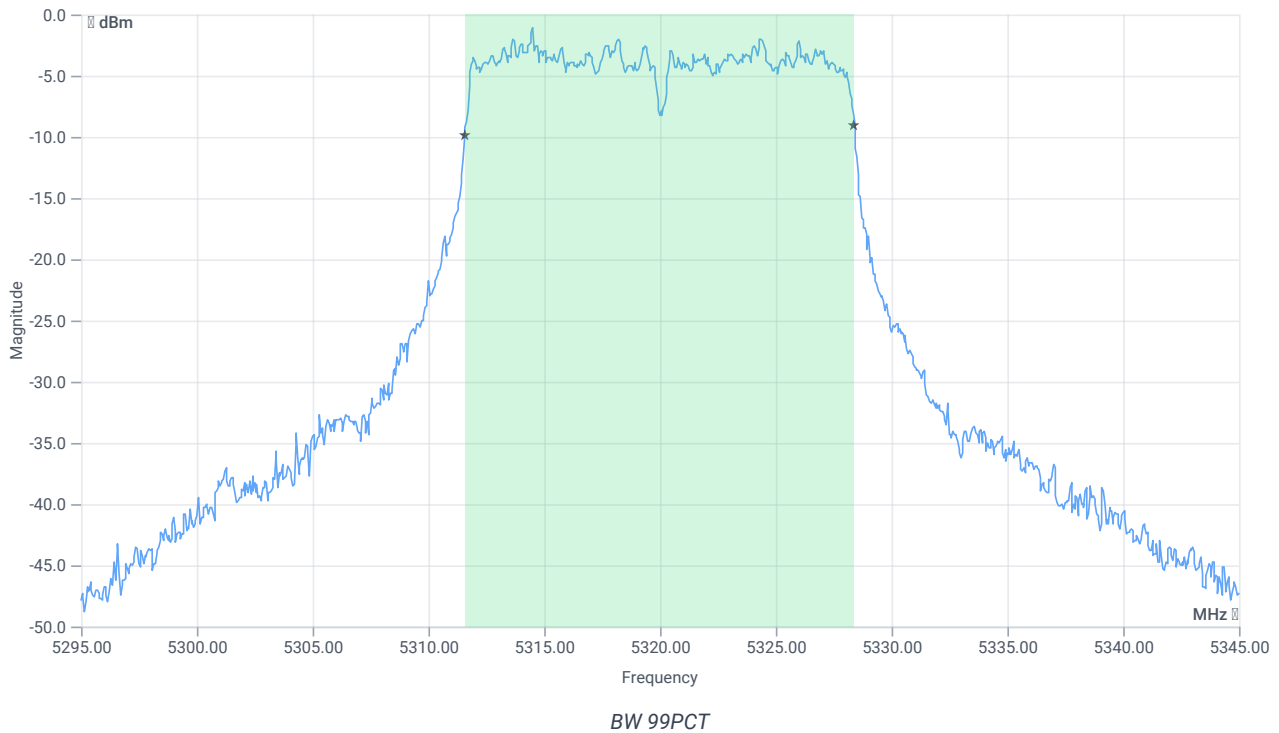
Test at TX 5320 MHz

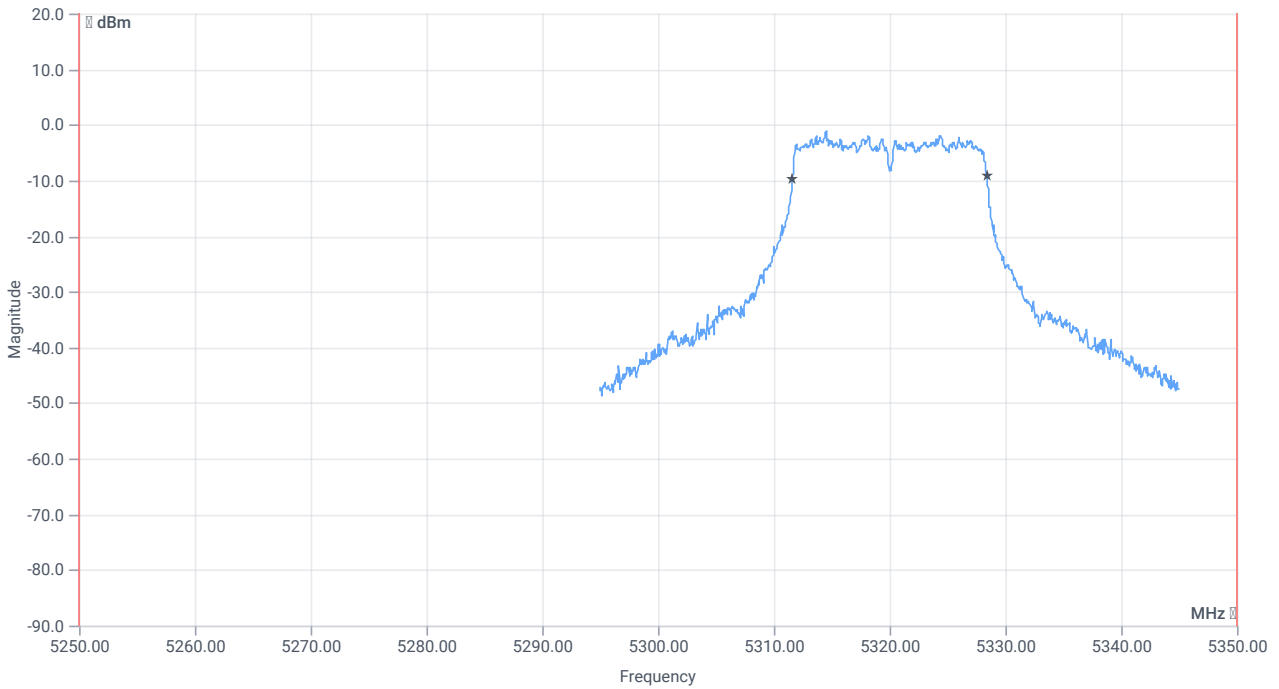
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.21	dBm	INFO
Ref. frequency	--	--	5314.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.21 13.72 15
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

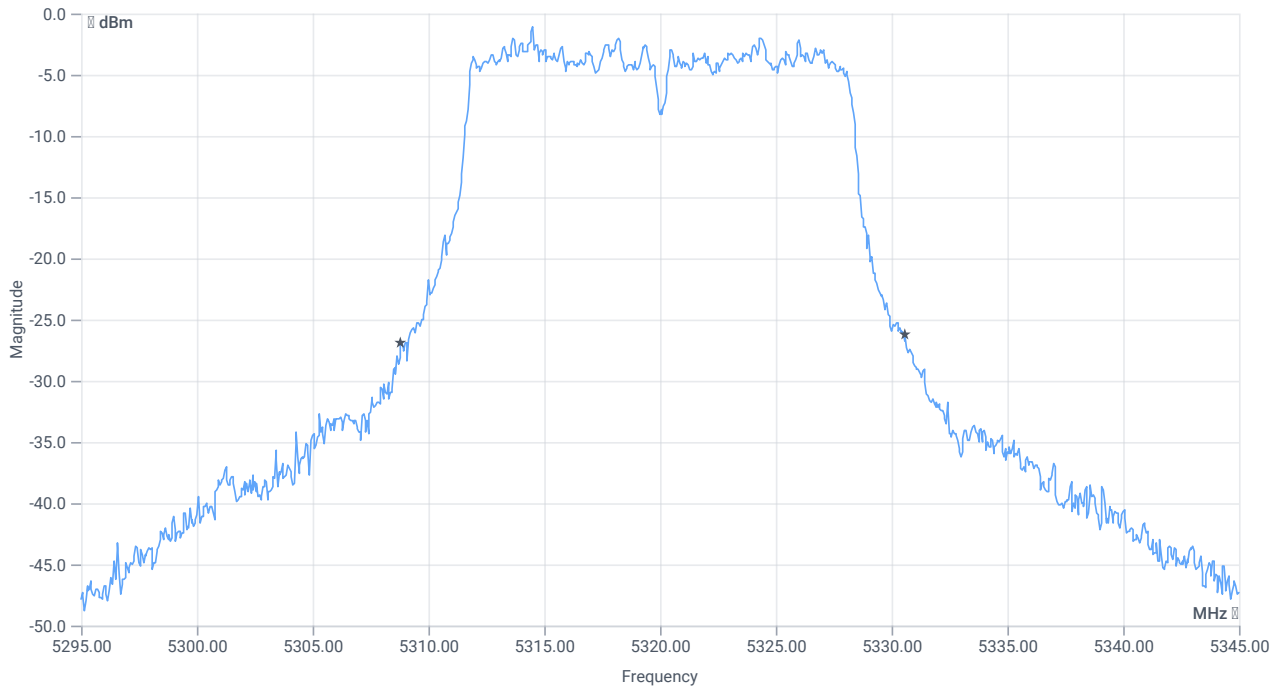




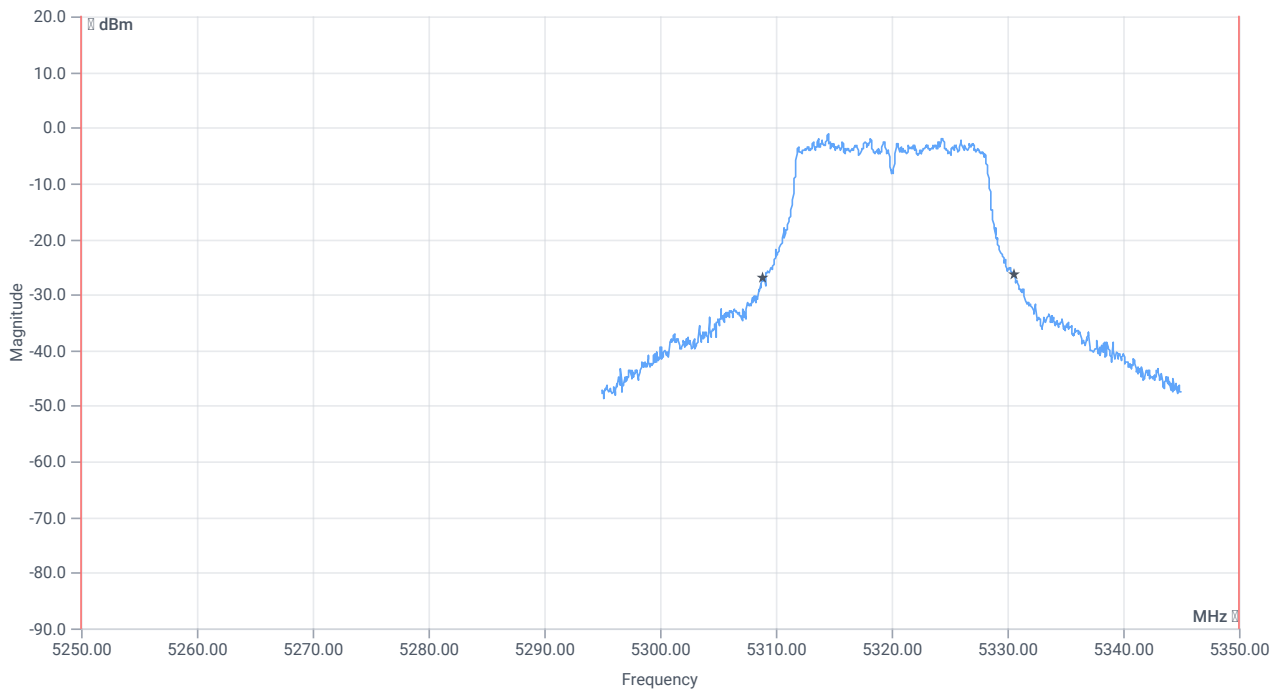
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.833	MHz	INFO
T1 99%	5250.000000	--	5311.5584	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5308.8000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5330.6000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:16:57
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

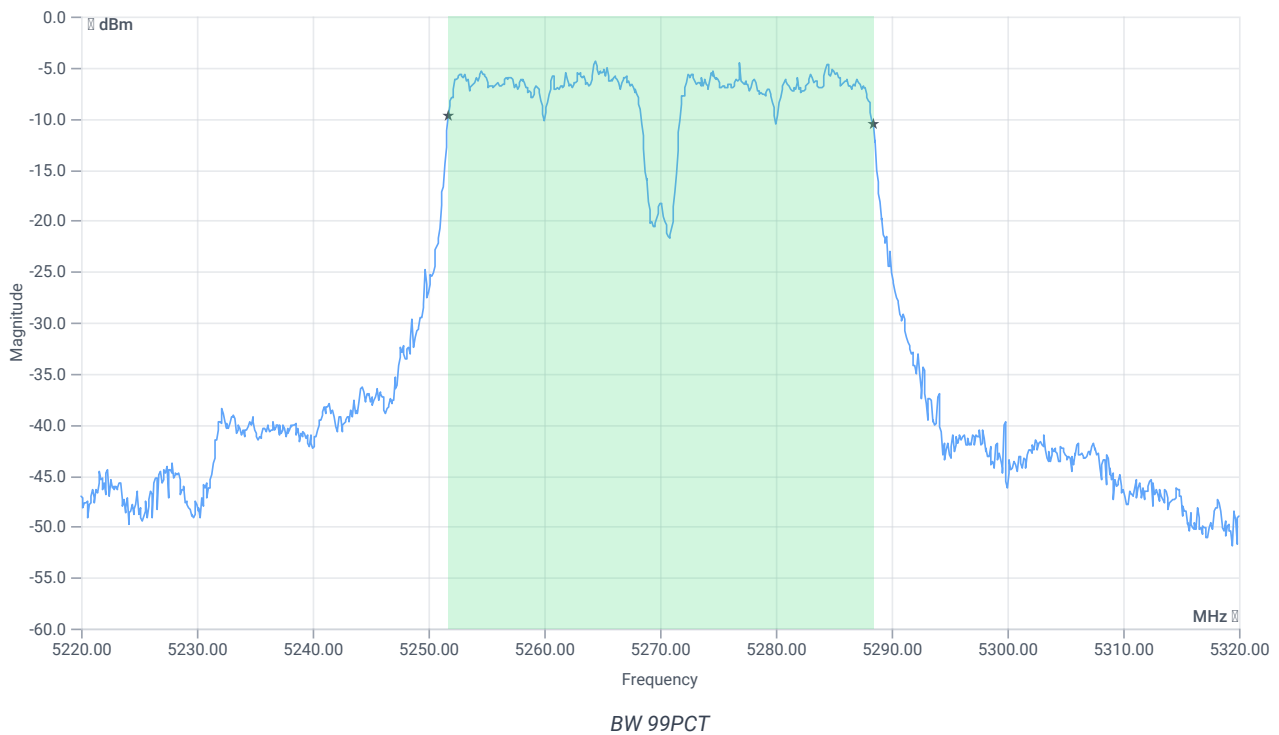
Test at TX 5270 MHz

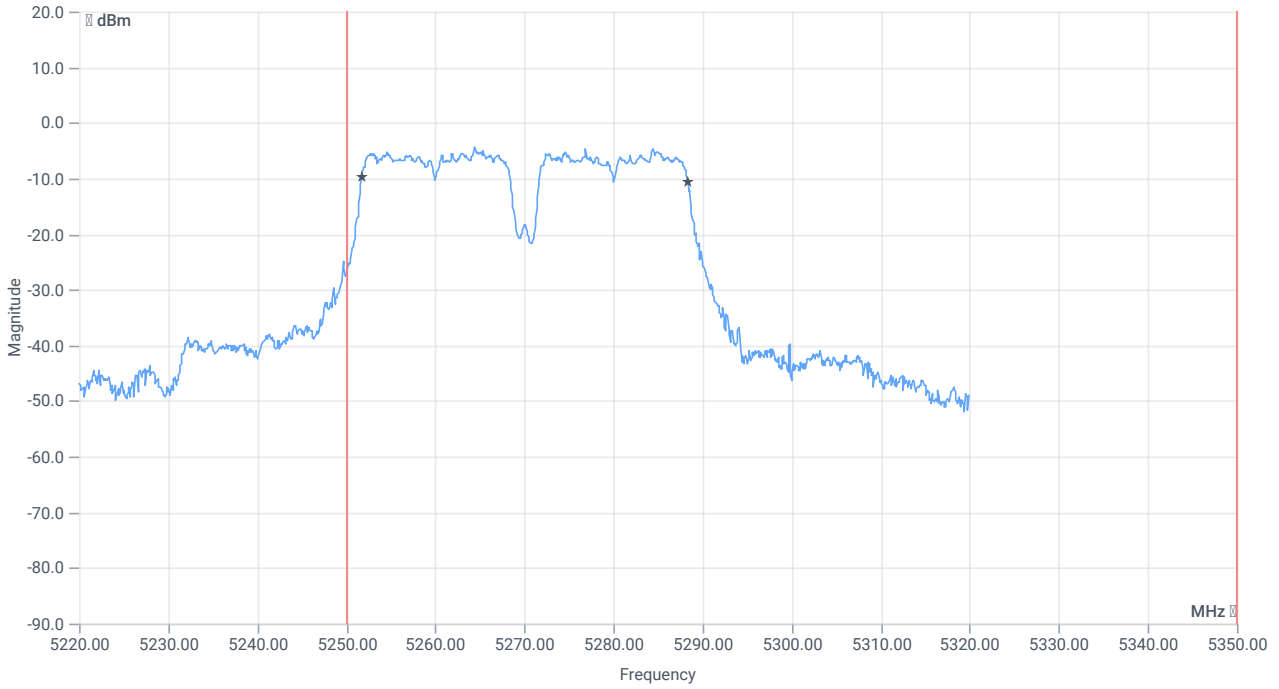
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.36	dBm	INFO
Ref. frequency	--	--	5285.180	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.64 13.27 10
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

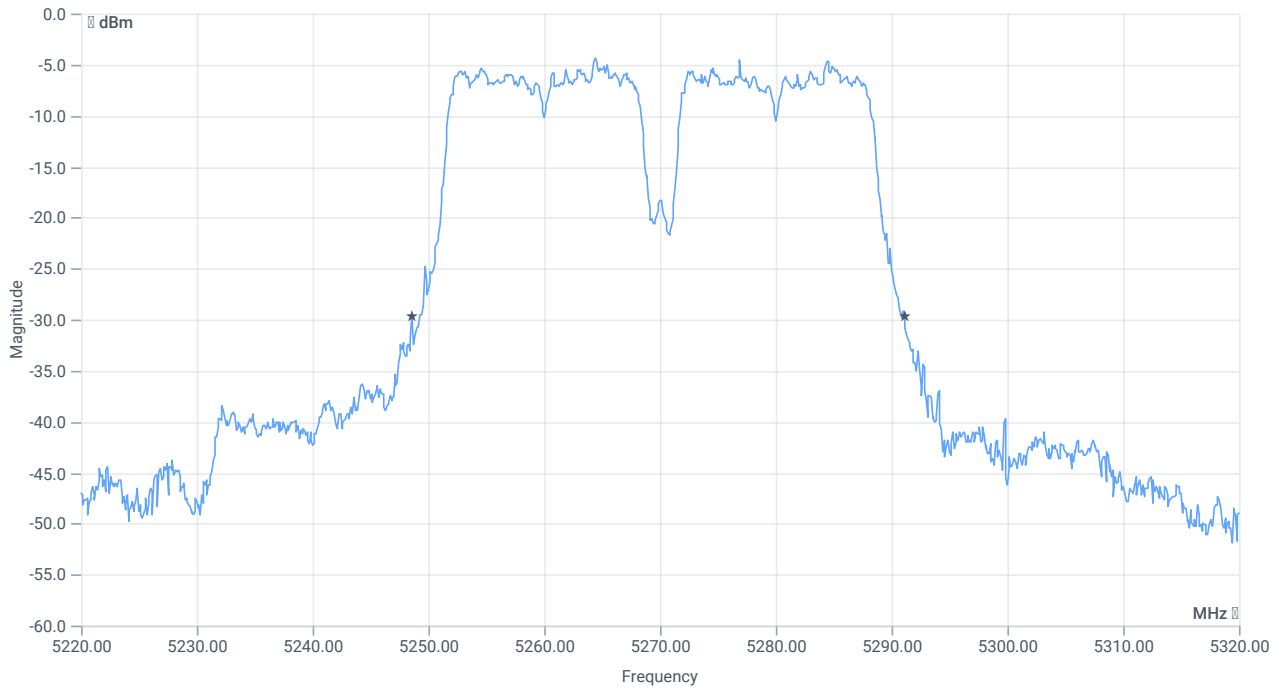




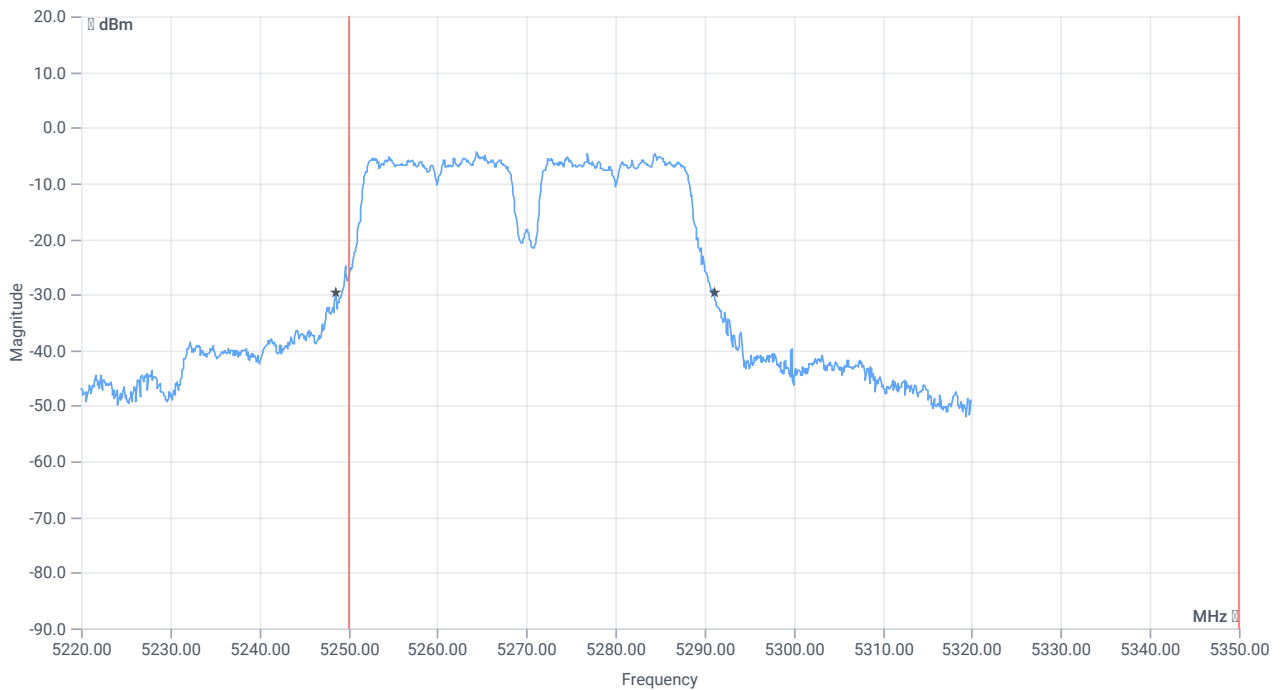
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5250.000000	--	5251.7183	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.3816	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5248.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5291.1000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:20:40
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

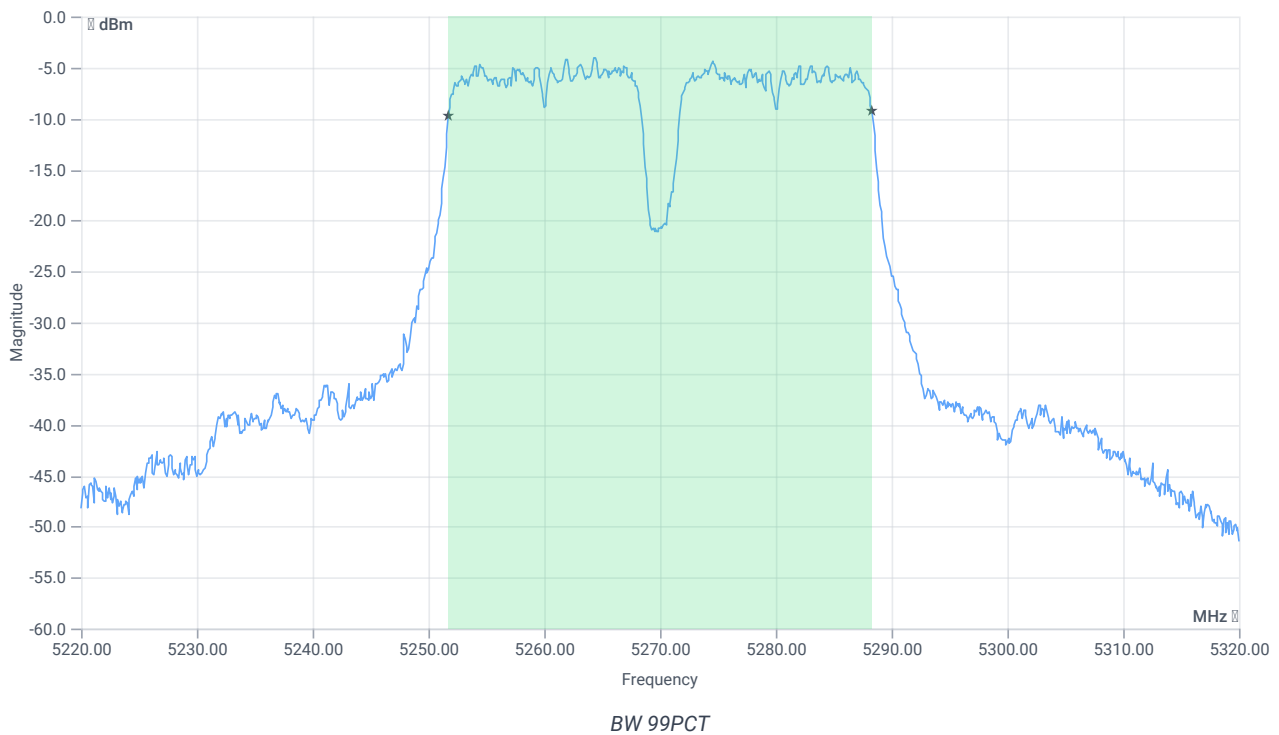
Test at TX 5270 MHz

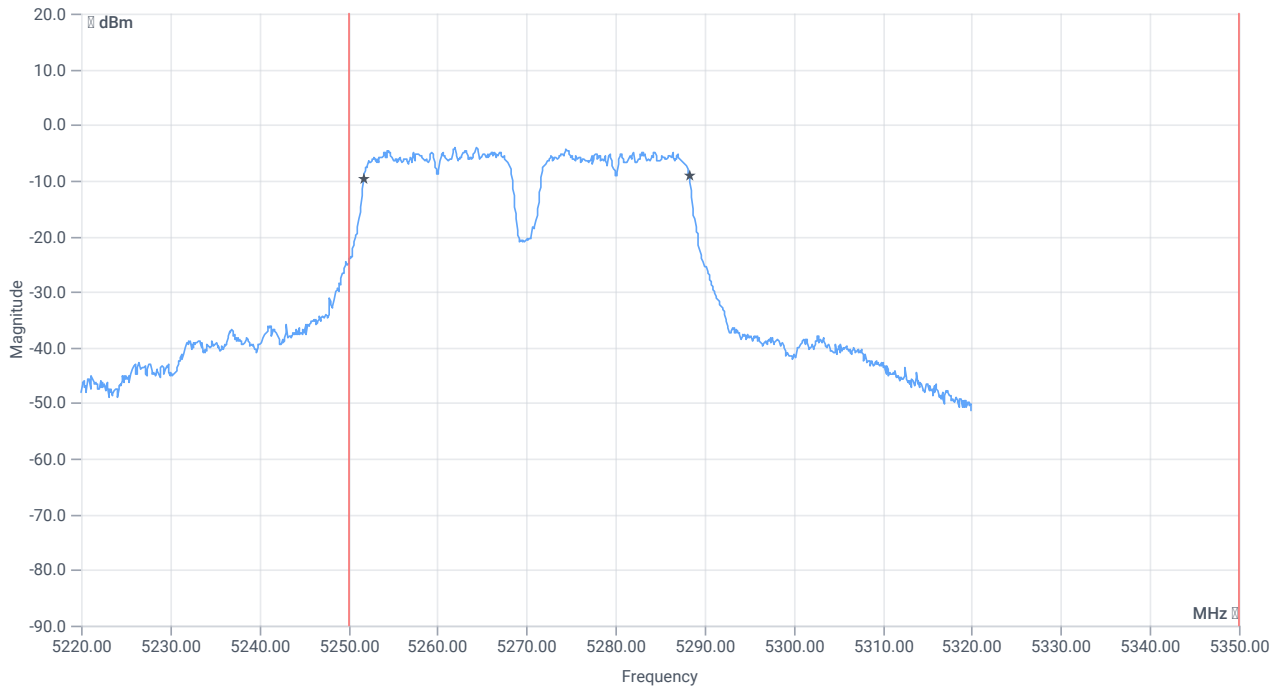
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-1.81	dBm	INFO
Ref. frequency	--	--	5254.220	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.19 13.15 10
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

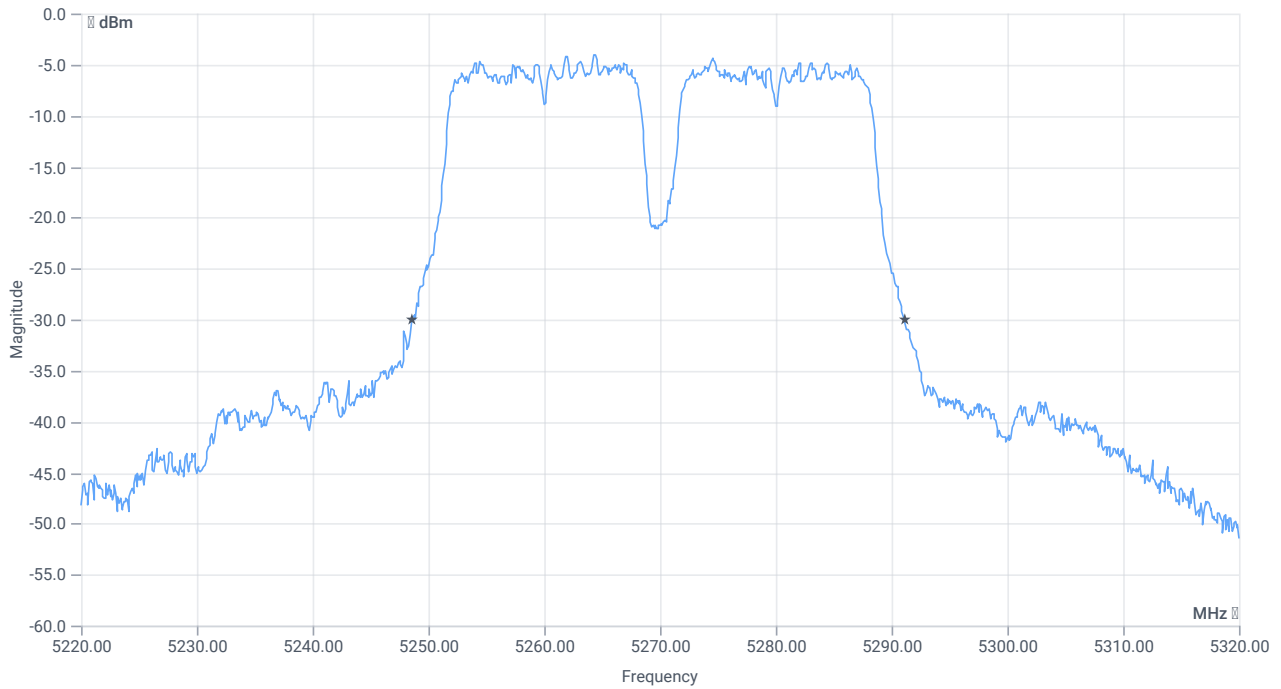




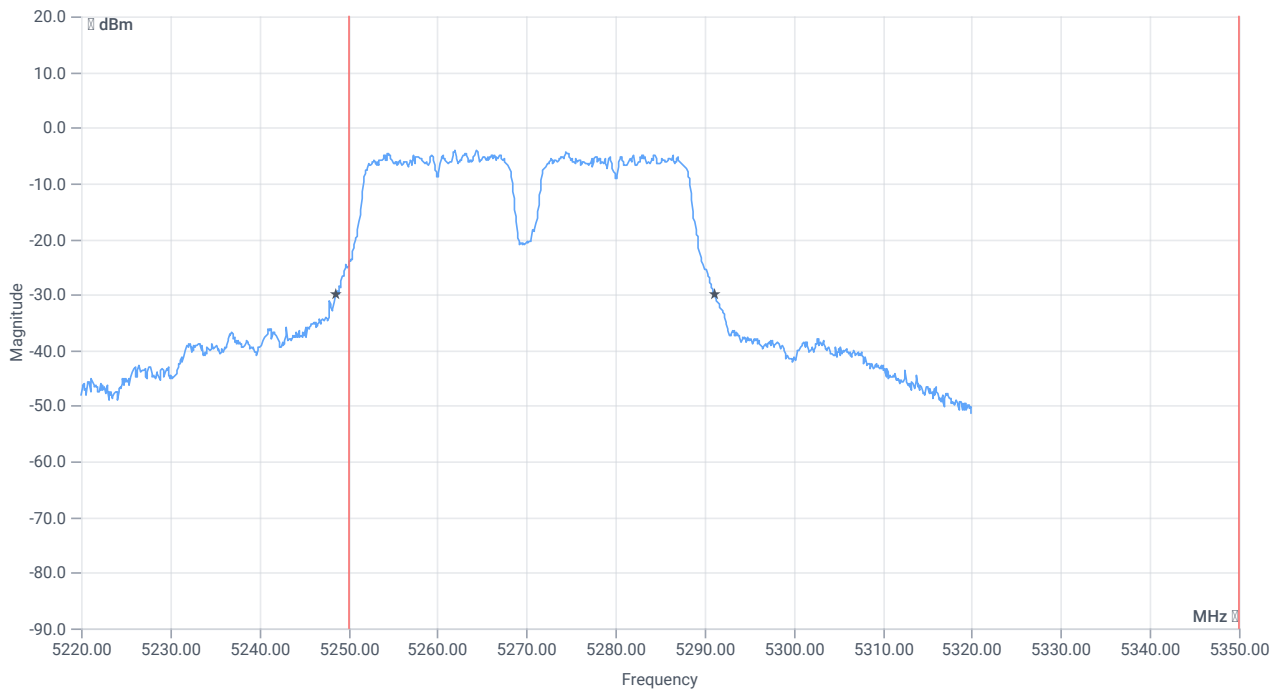
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.563	MHz	INFO
T1 99%	5250.000000	--	5251.7183	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5288.2817	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5248.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5291.1000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:25:23
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

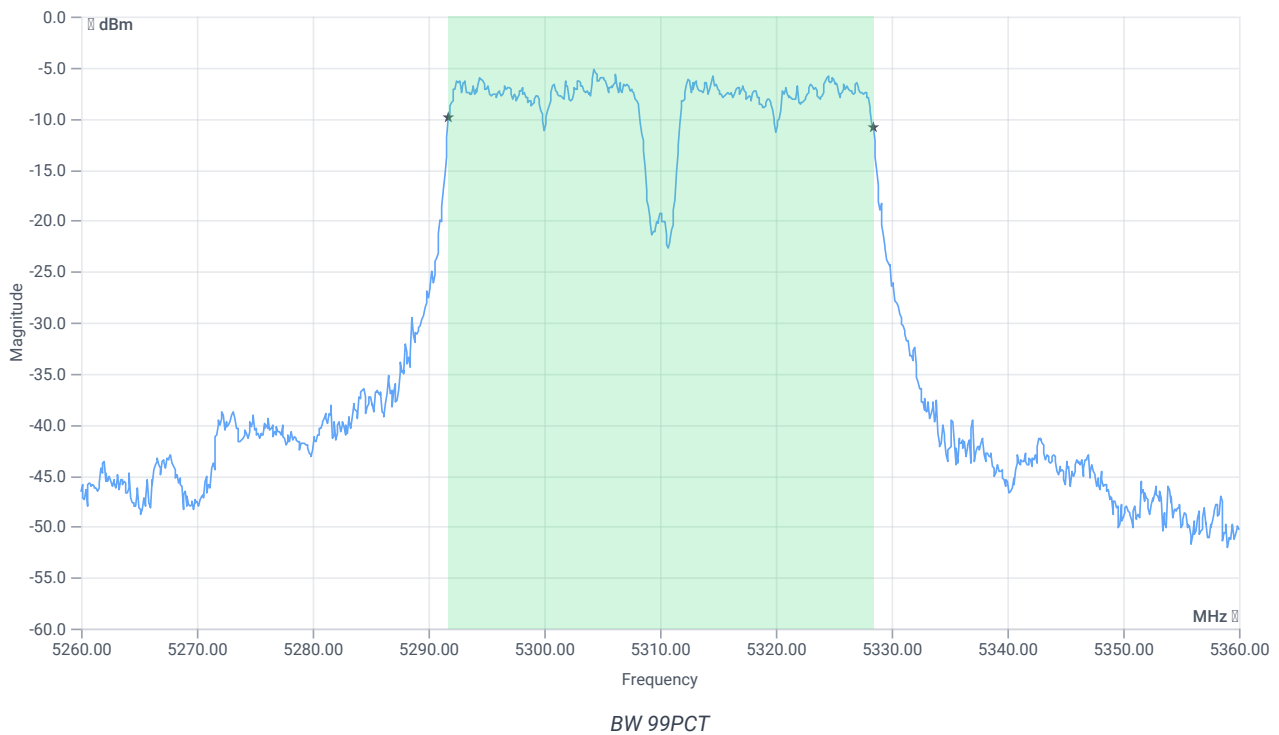
Test at TX 5310 MHz

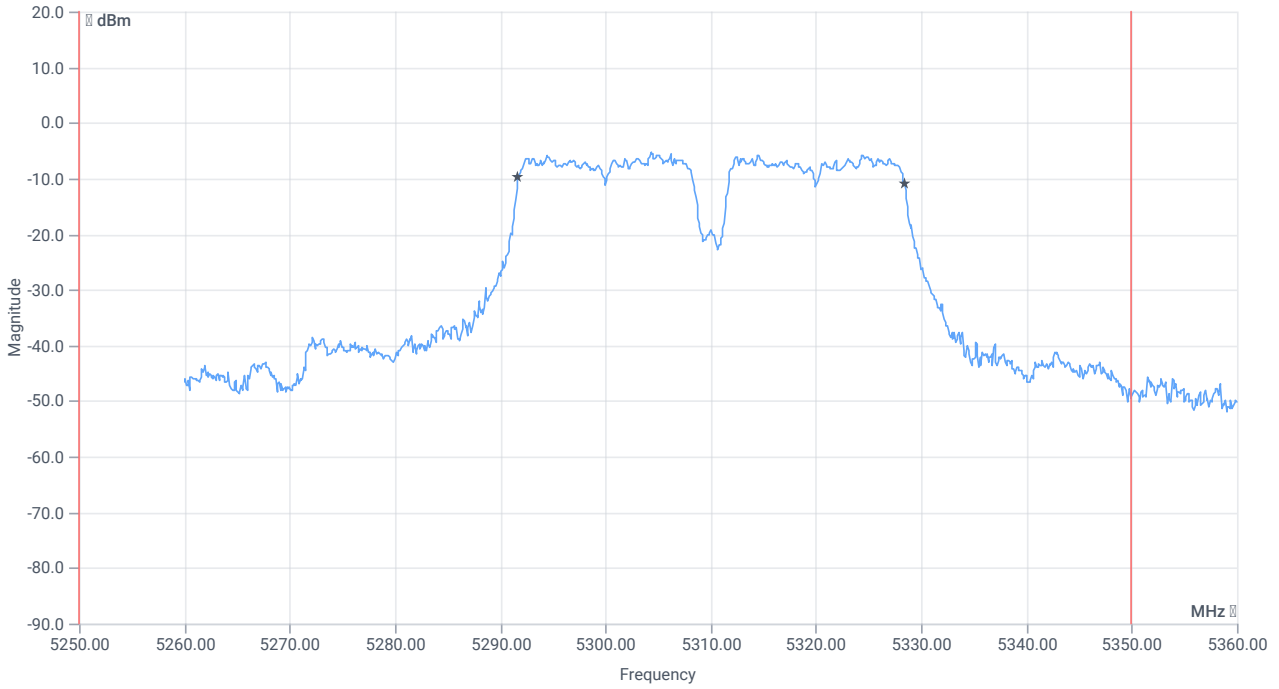
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.30	dBm	INFO
Ref. frequency	--	--	5294.420	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.70 13.79 10
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

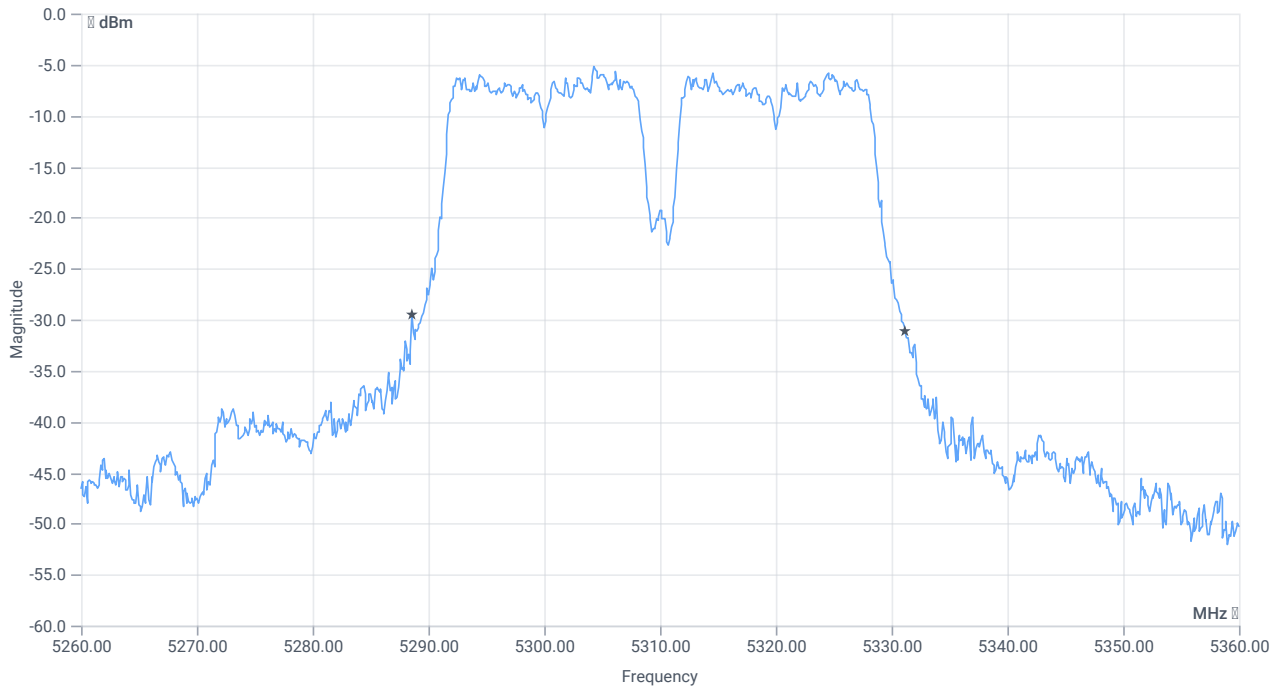




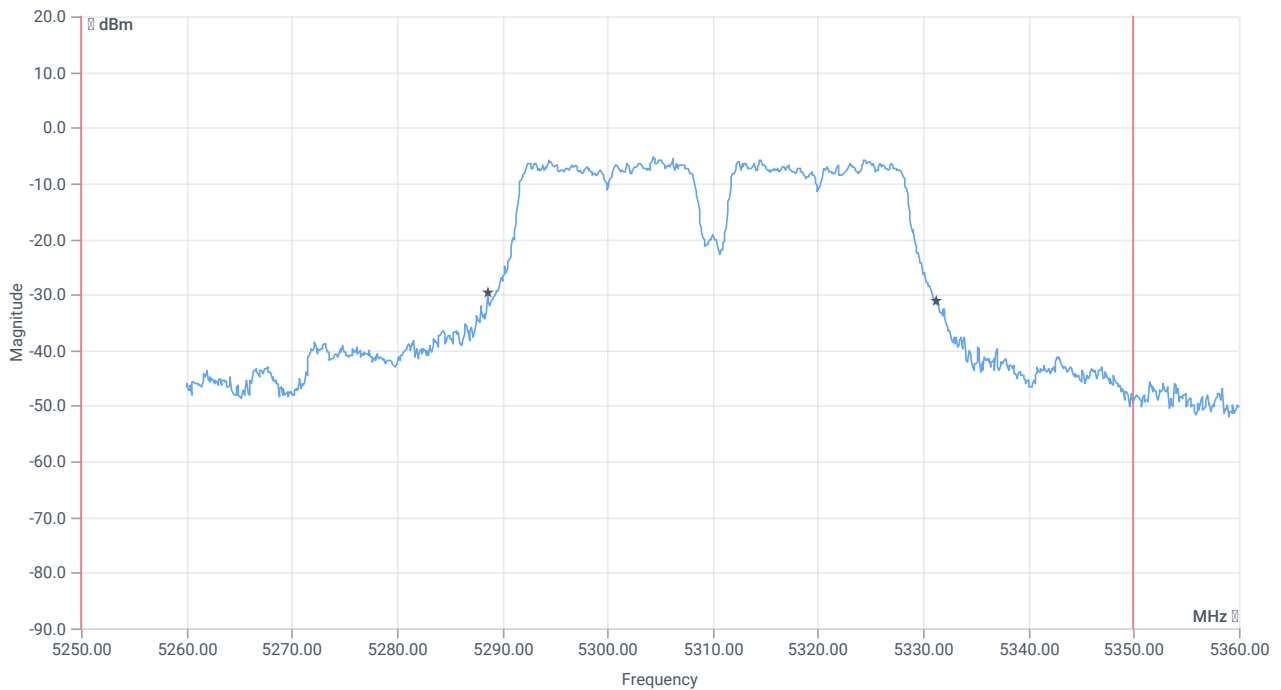
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5250.000000	--	5291.7183	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.3816	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.6	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5288.6000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5331.2000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:29:05
Ambit temp [°C] humidity [rel%]	28.5 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

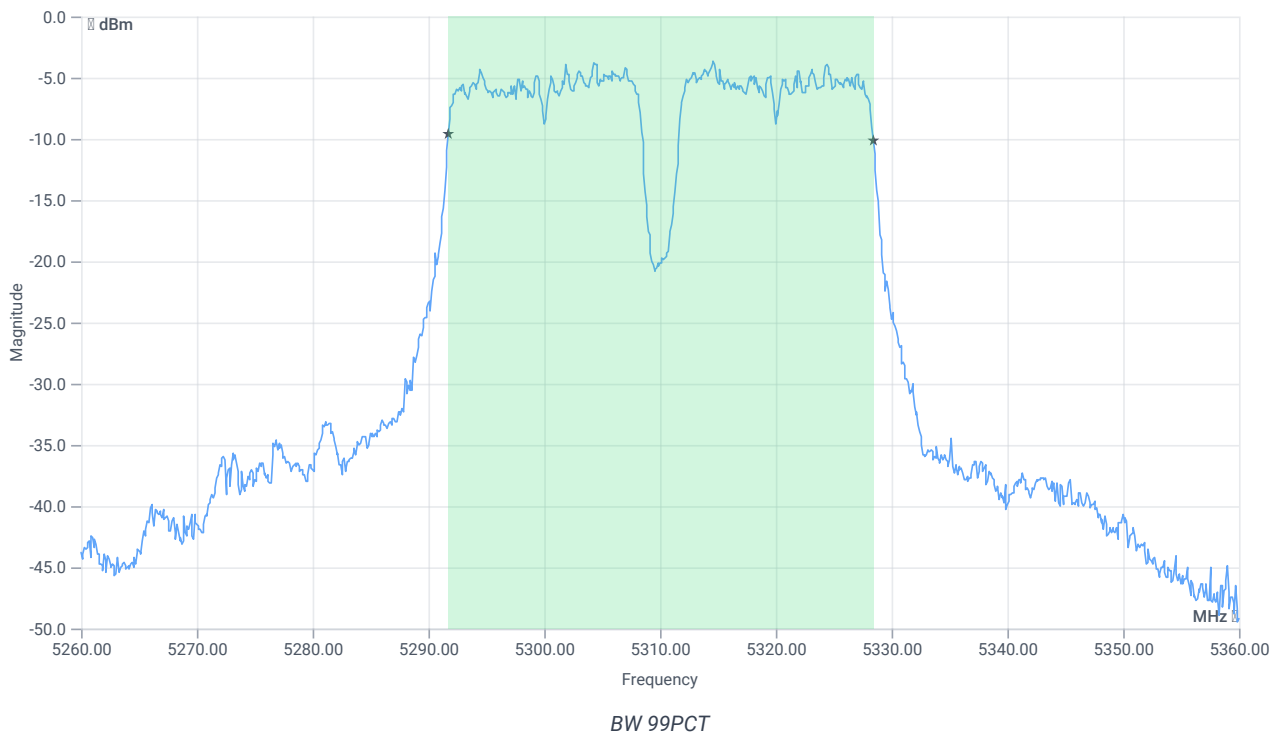
Test at TX 5310 MHz

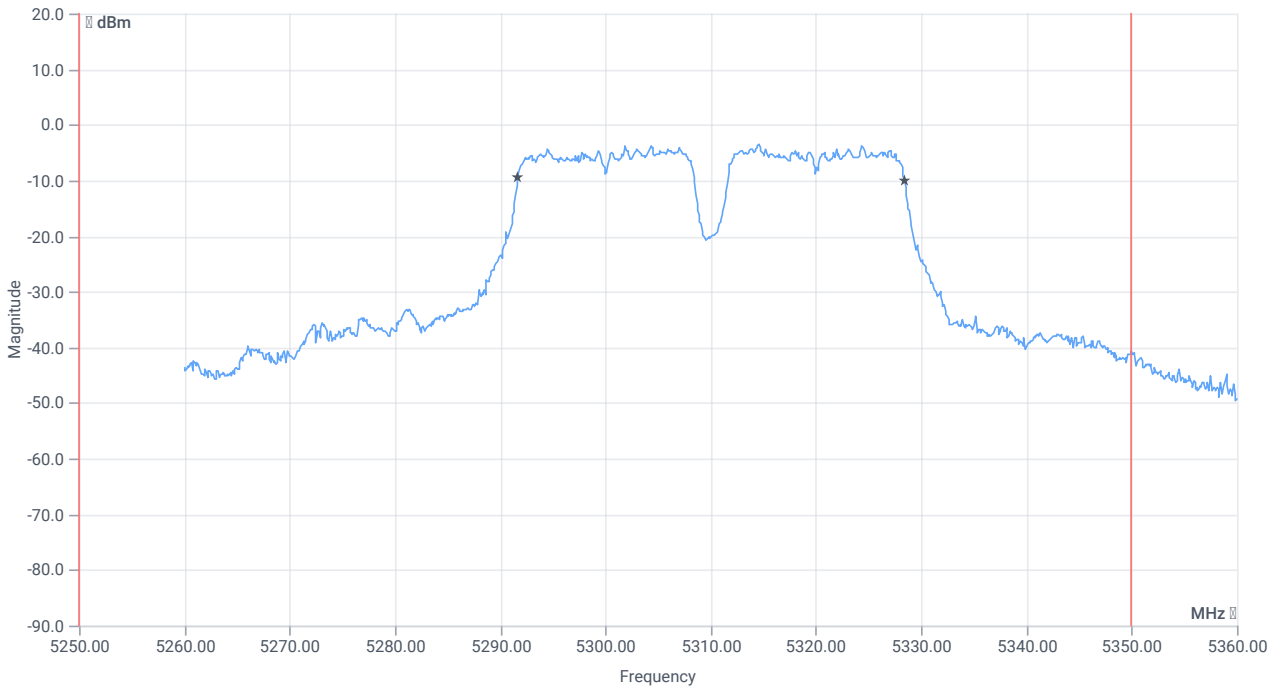
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.88	dBm	INFO
Ref. frequency	--	--	5305.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.12 13.61 10
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

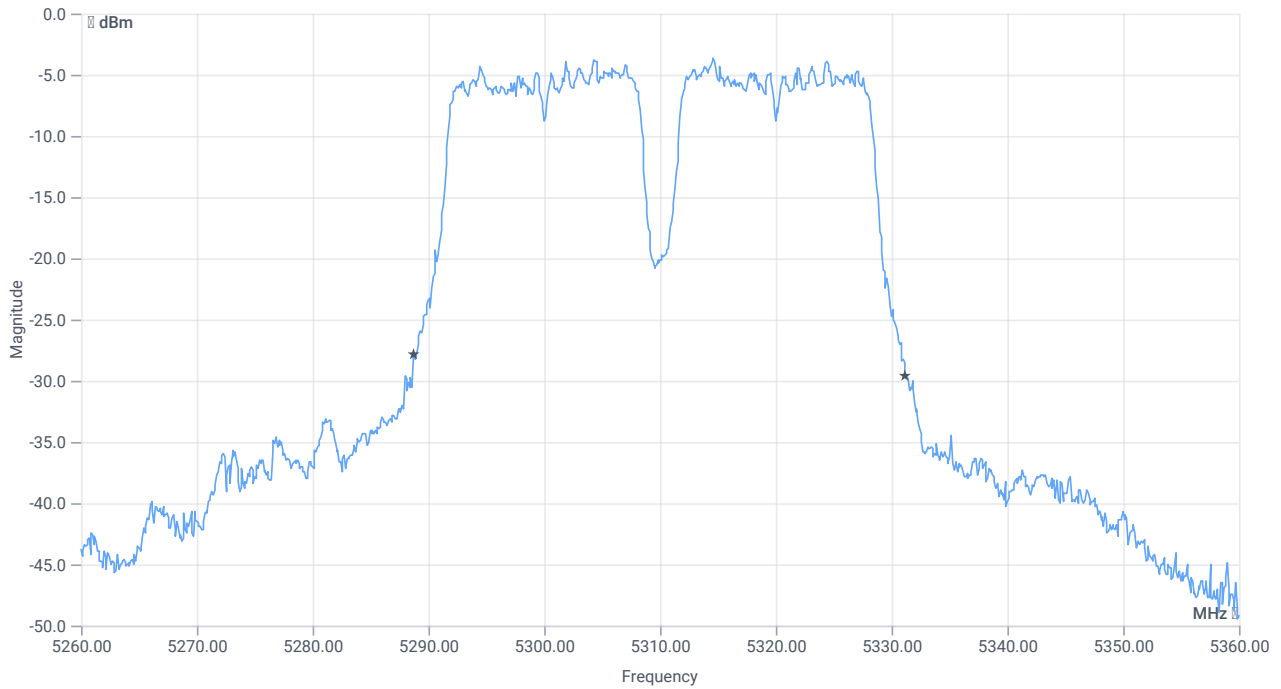




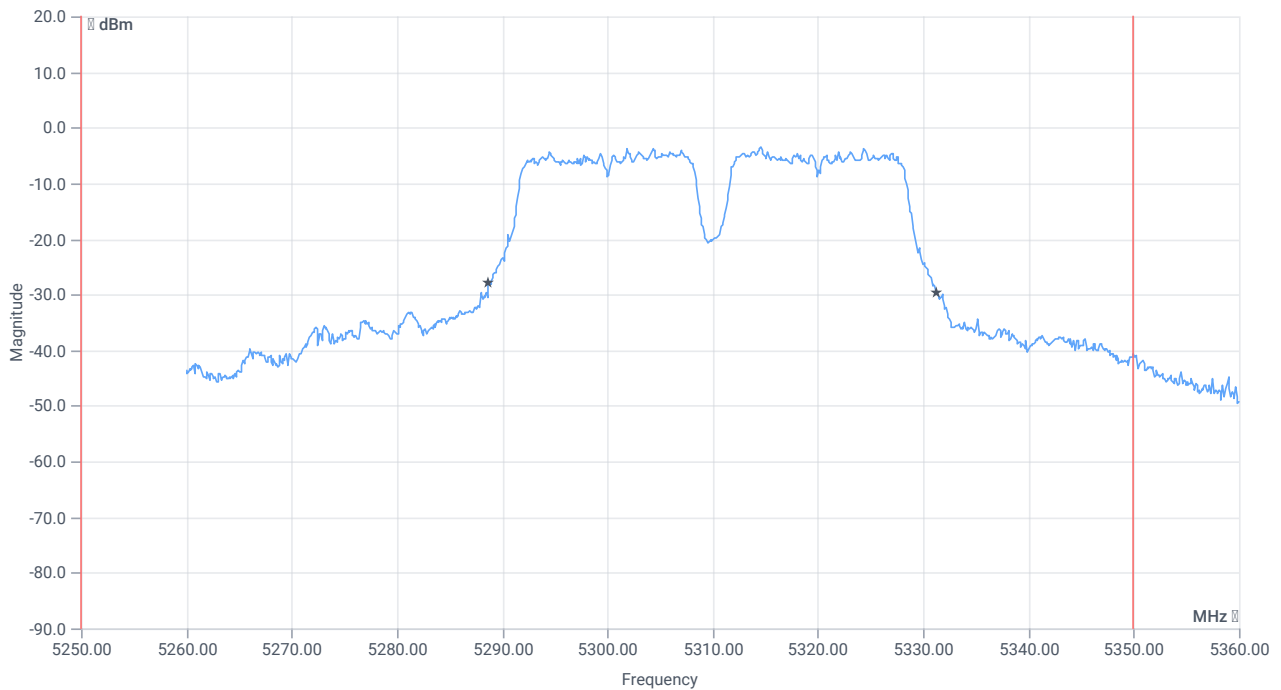
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5250.000000	--	5291.7183	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.3816	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.5	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5288.7000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5331.2000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2A

References

TC start	14.05.2024 17:06:37
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 0
Frequency mid to test	True Freq [MHz] 5290
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

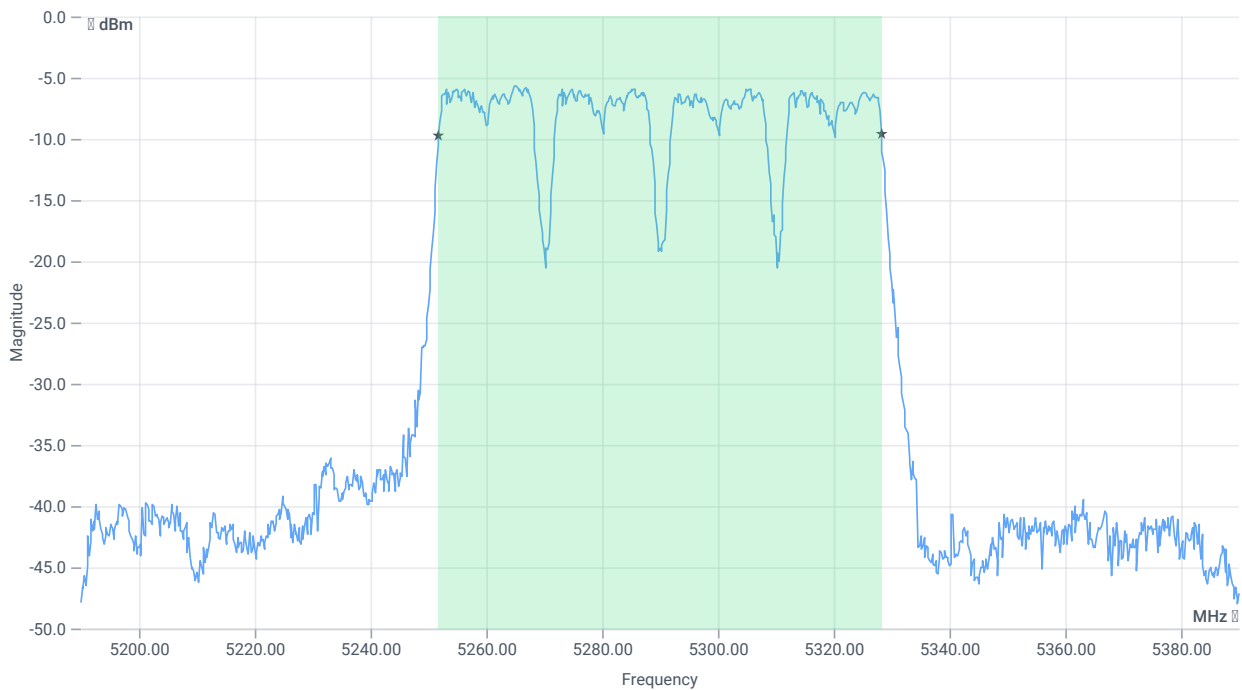
Test at TX 5290 MHz

RESULT: Reference power cond.

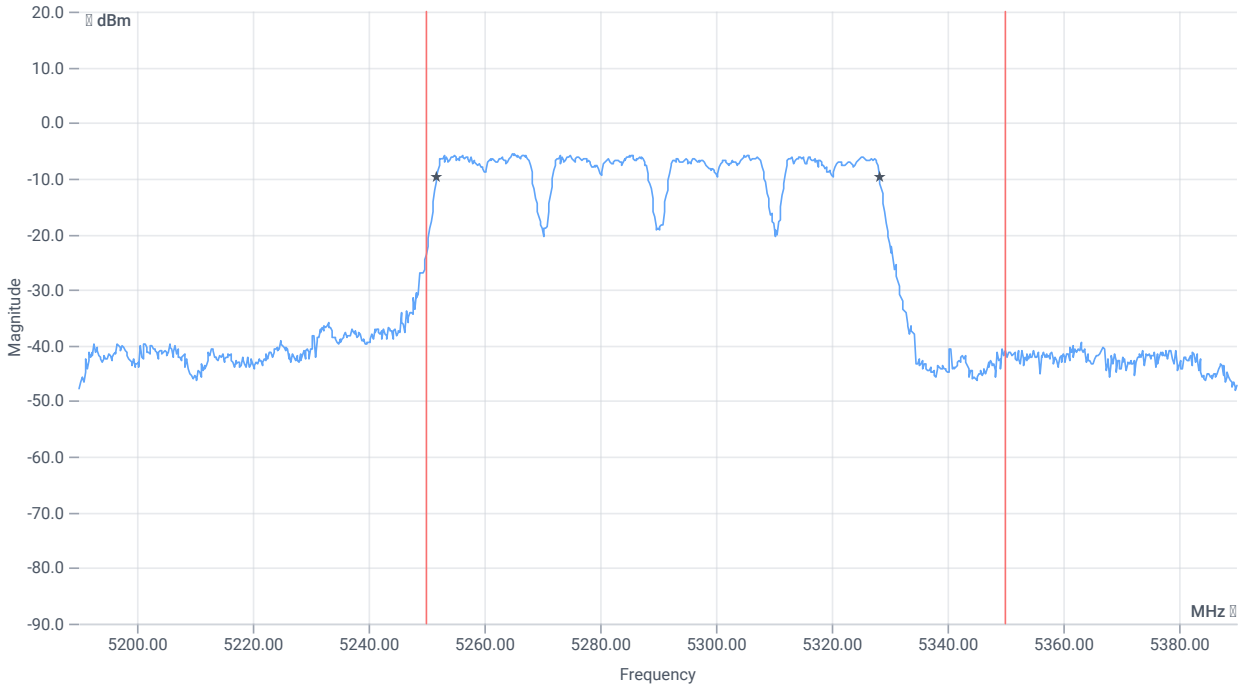
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.12	dBm	INFO
Ref. frequency	--	--	5312.980	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.88 13.45 5
Start [MHz] Stop [MHz]	5190.000 5390.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE



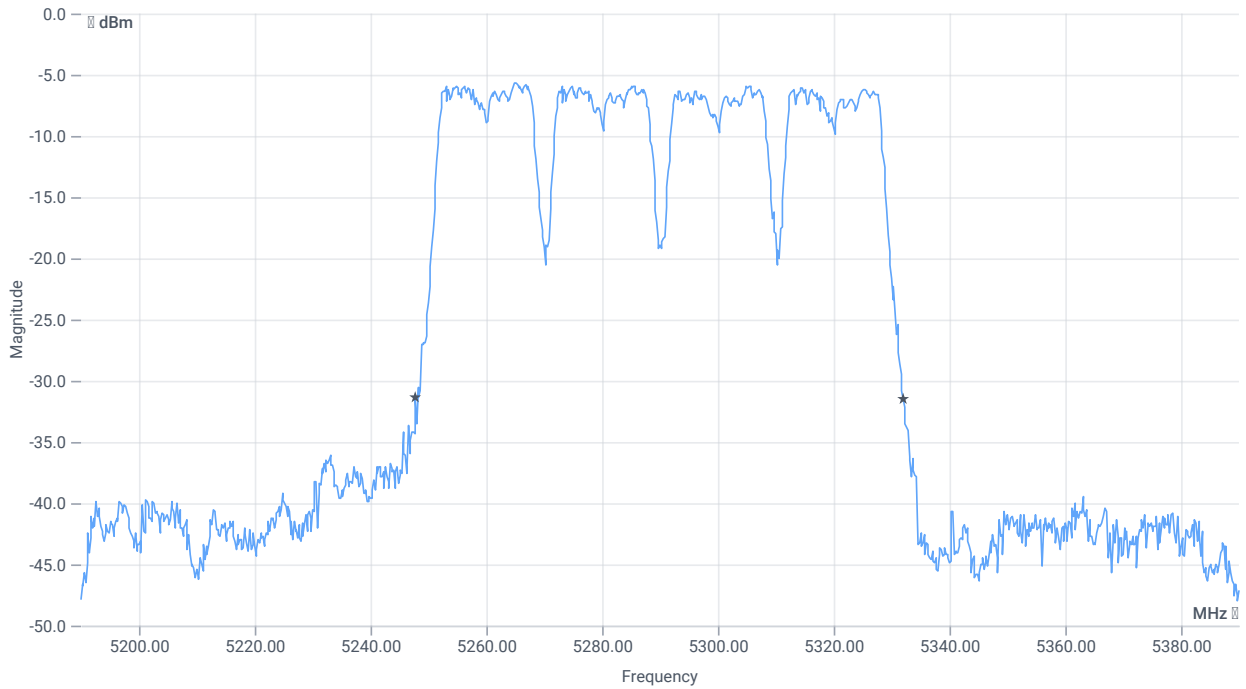
BW 99PCT



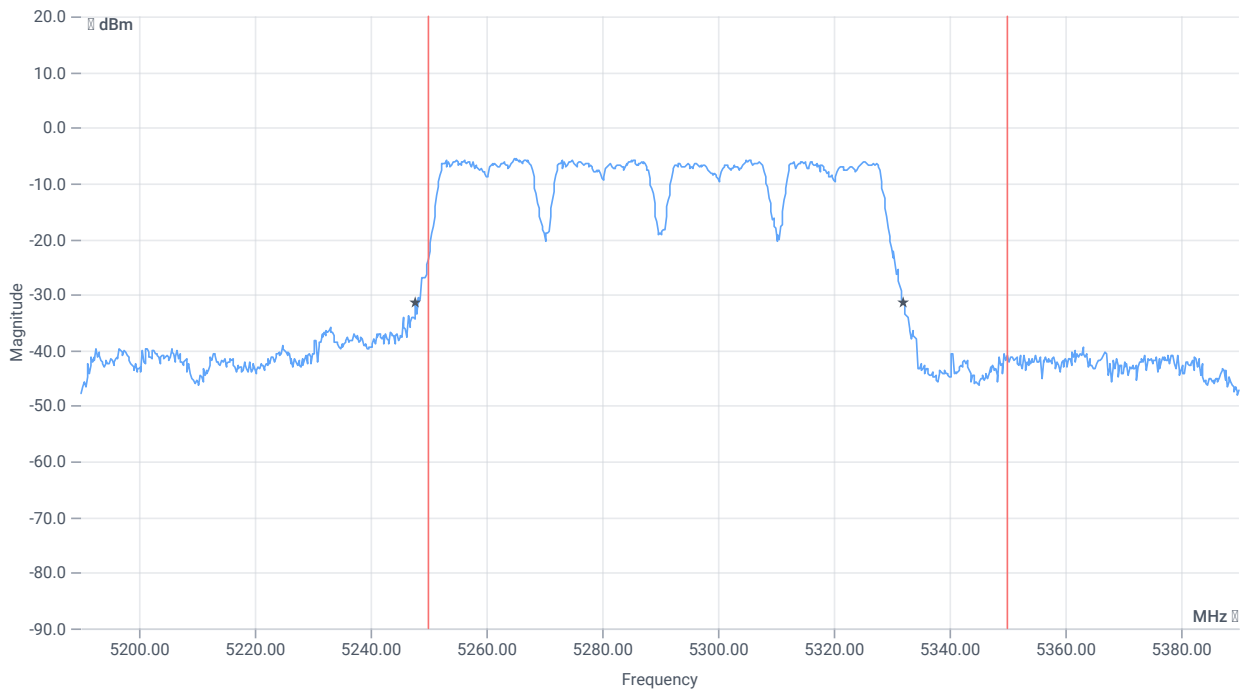
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5250.000000	--	5251.8382	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.1618	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.2	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5247.8000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5332.0000	MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2A

References

TC start	14.05.2024 17:12:20
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 0
Frequency mid to test	True Freq [MHz] 5290
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

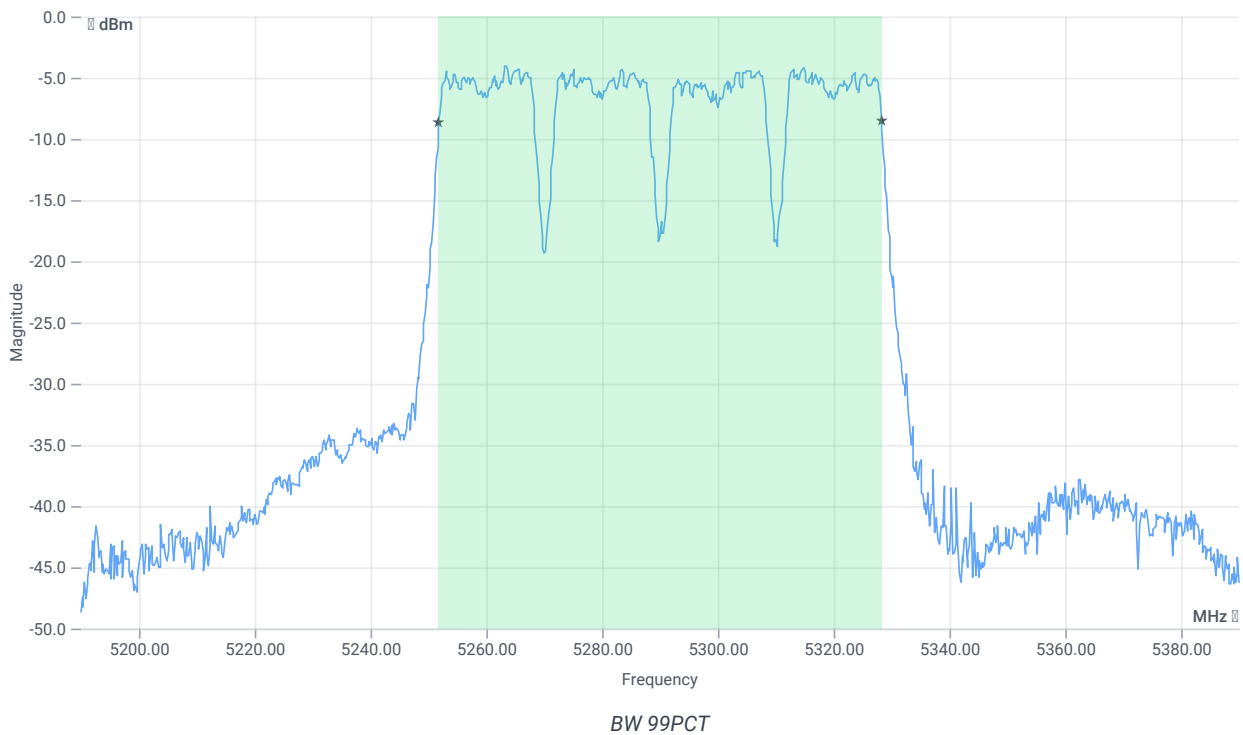
Test at TX 5290 MHz

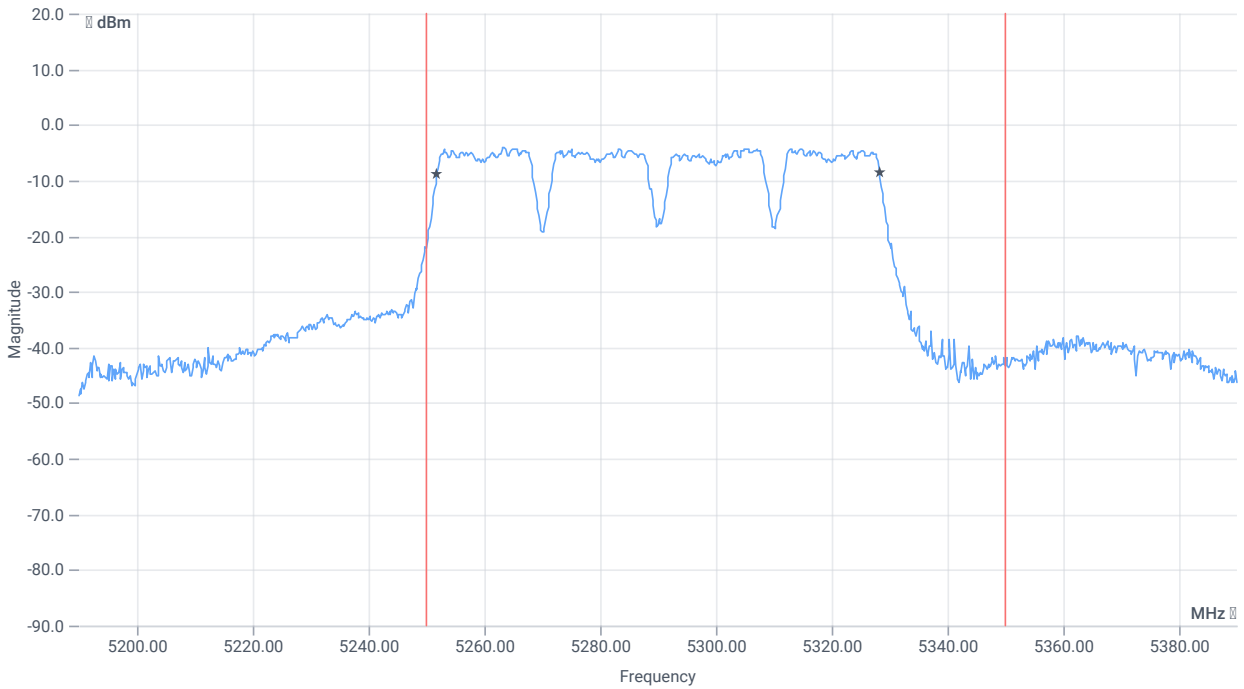
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.82	dBm	INFO
Ref. frequency	--	--	5304.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.18 13.38 5
Start [MHz] Stop [MHz]	5190.000 5390.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

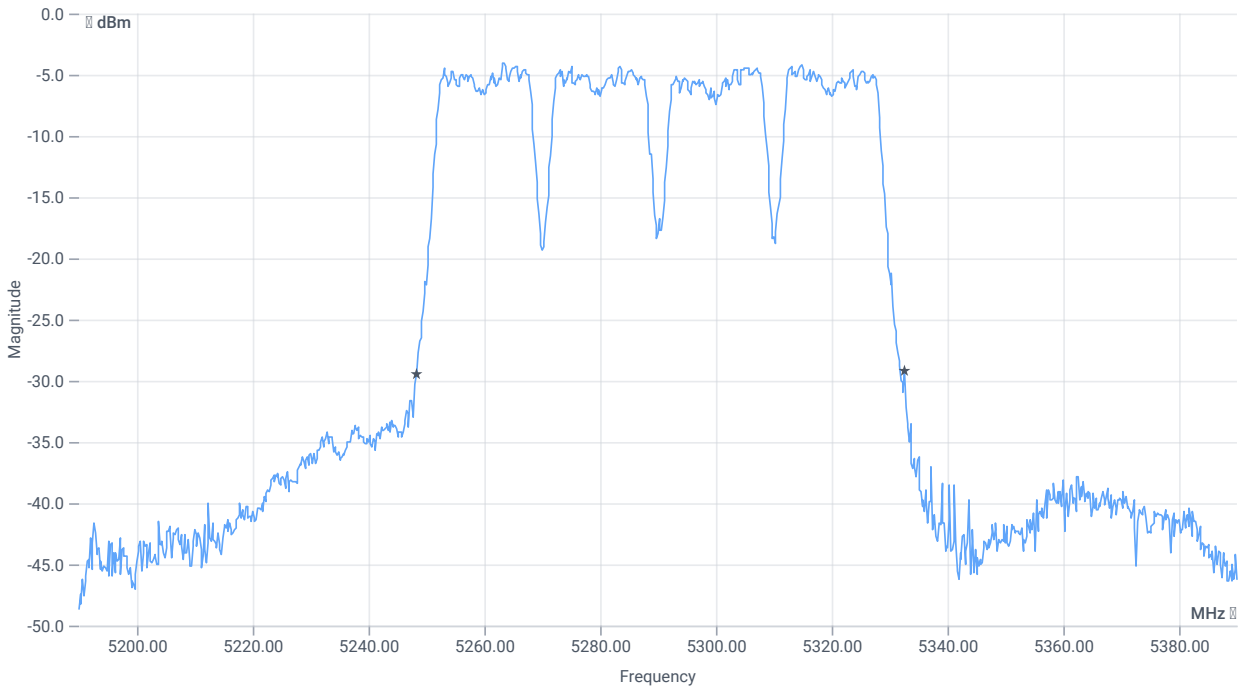




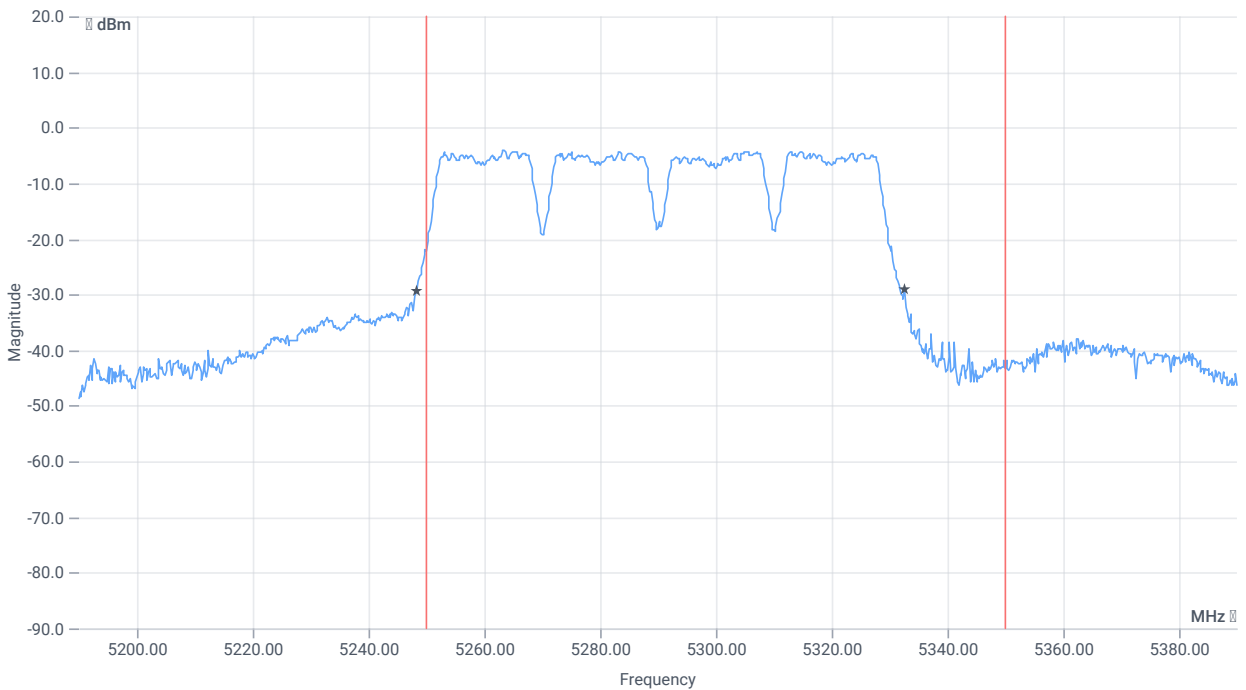
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5250.000000	--	5251.8382	MHz	PASS since U-NII-1 is supported
T2 99%	--	5350.000000	5328.1618	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5250.000000	--	5248.2000	MHz	PASS since U-NII-1 is supported
T2 26dB	--	5350.000000	5332.6000	MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:59:20
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

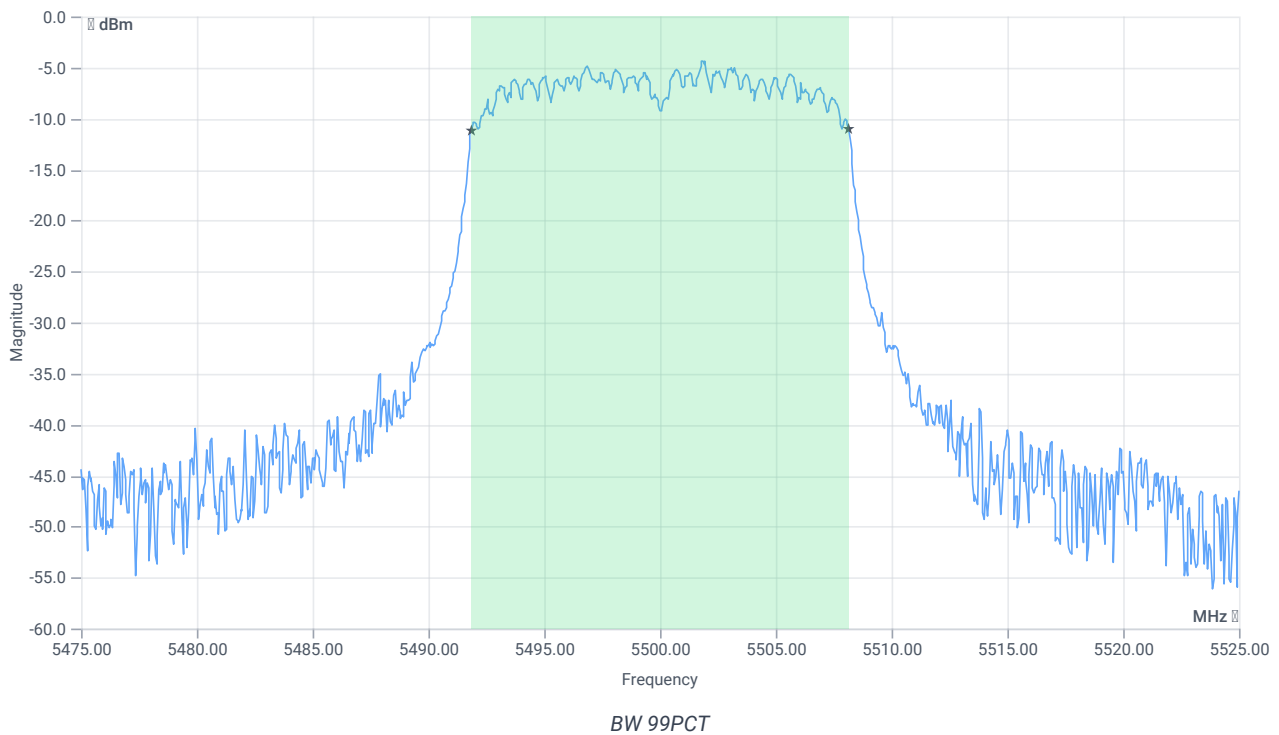
Test at TX 5500 MHz

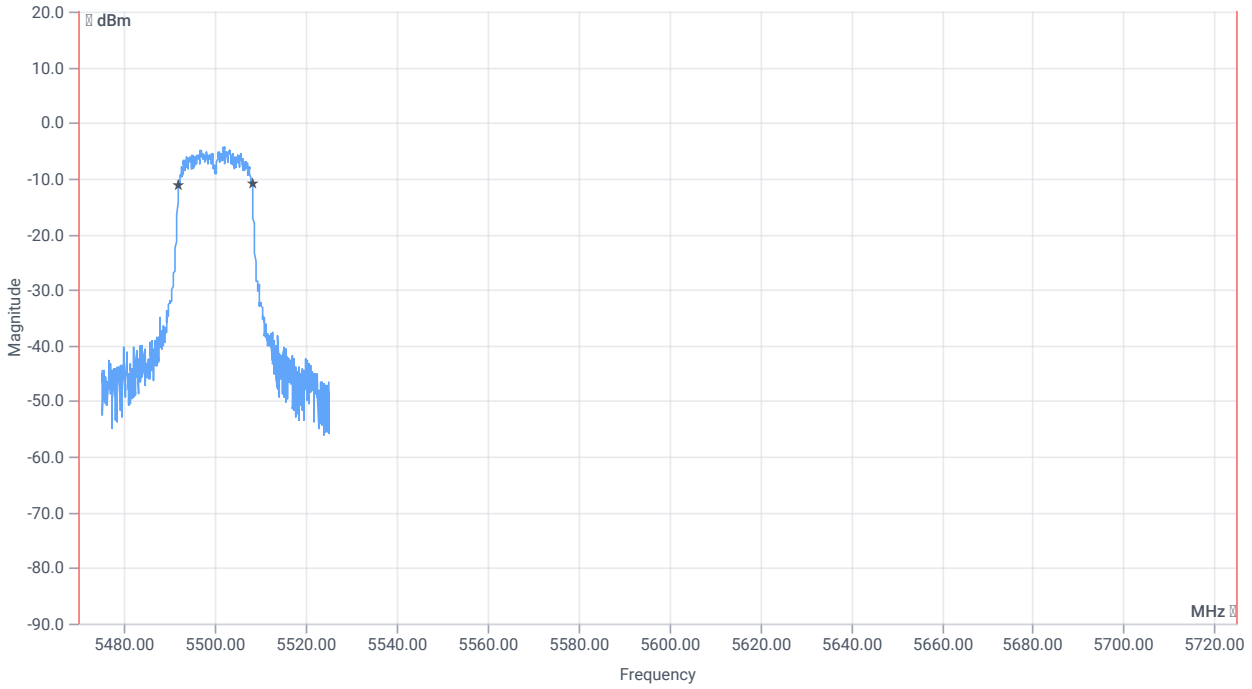
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.28	dBm	INFO
Ref. frequency	--	--	5496.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.72 13.54 10
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

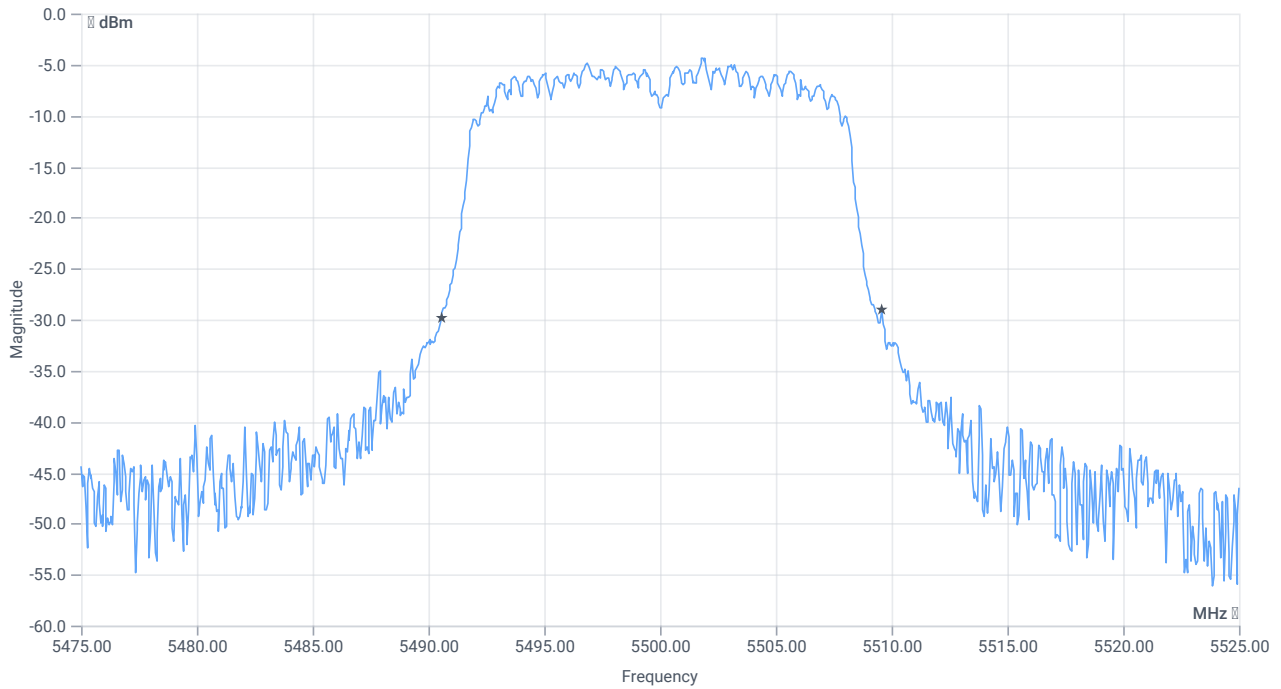




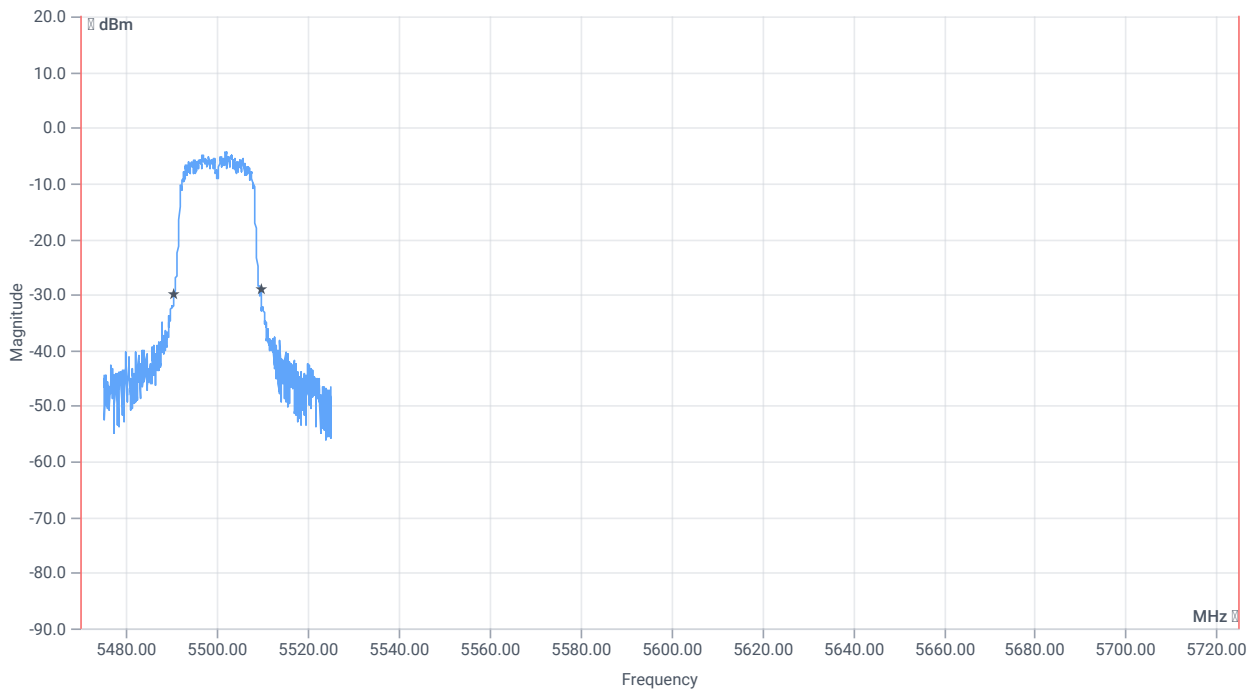
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5470.000000	--	5491.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.1419	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.05	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5490.5500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5509.6000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 15:02:50
Ambit temp [°C] humidity [rel%]	28.0 40
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

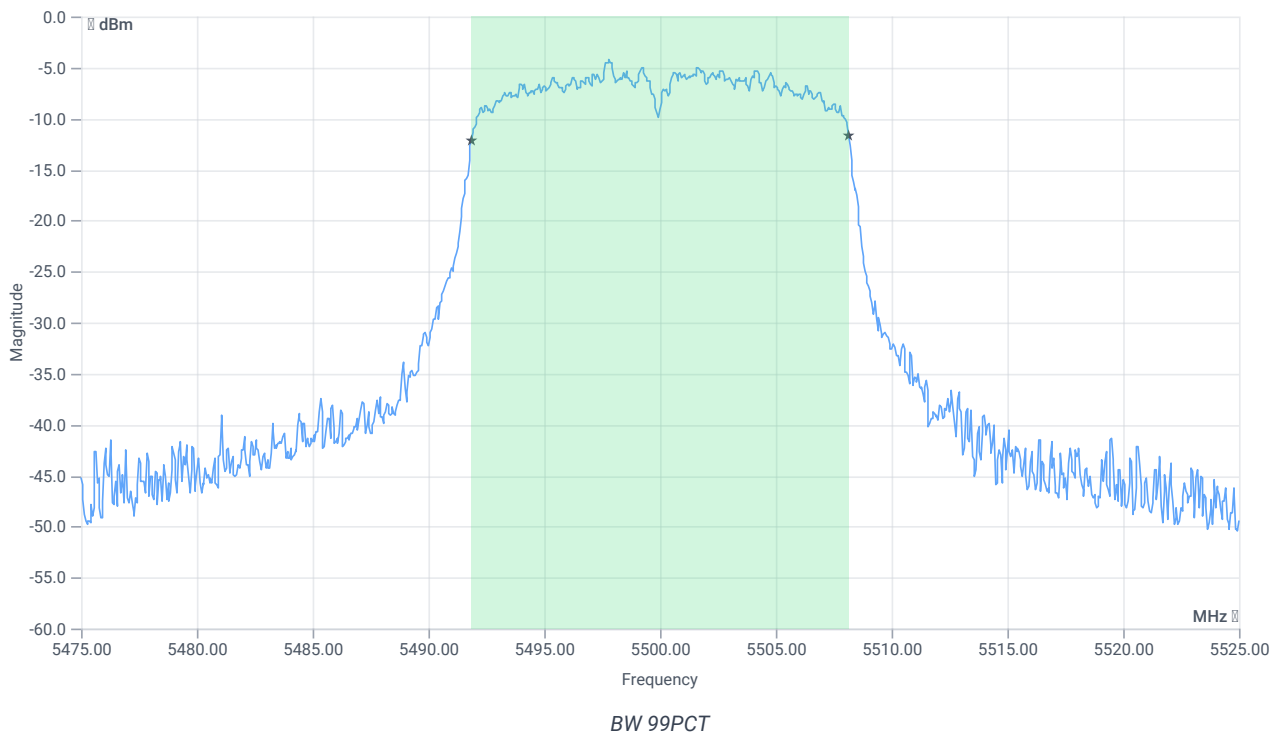
Test at TX 5500 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.42	dBm	INFO
Ref. frequency	--	--	5497.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.42 13.42 15
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

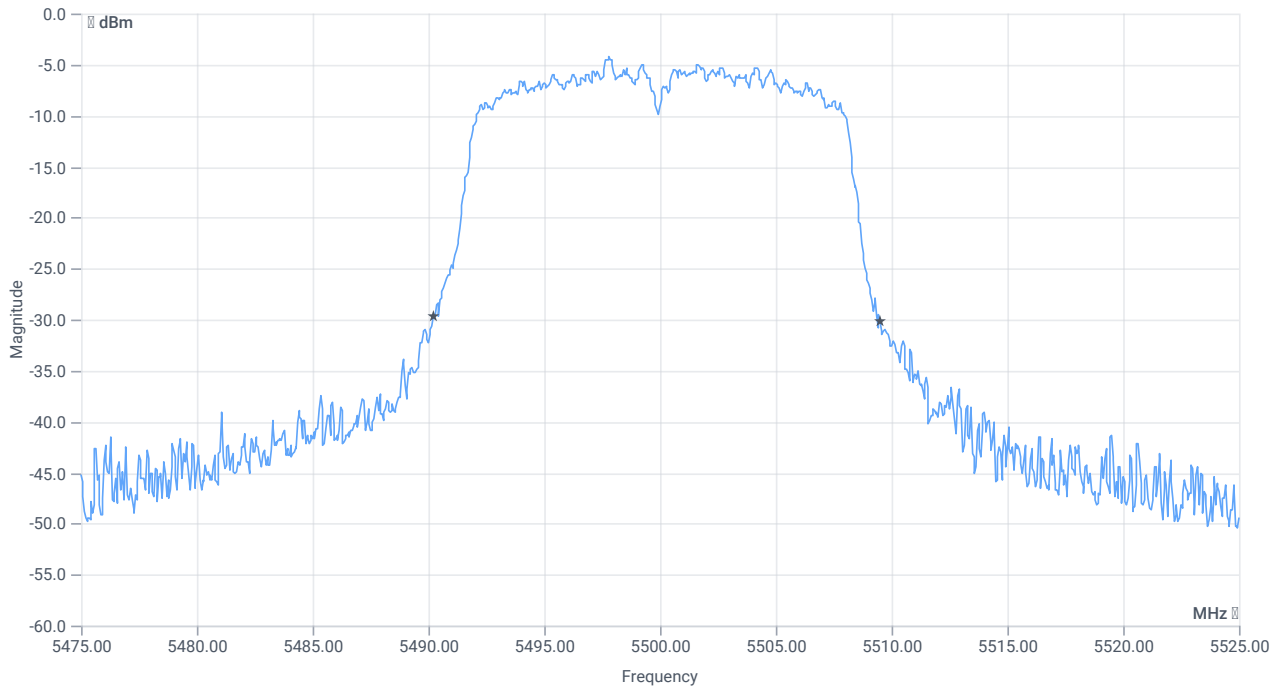




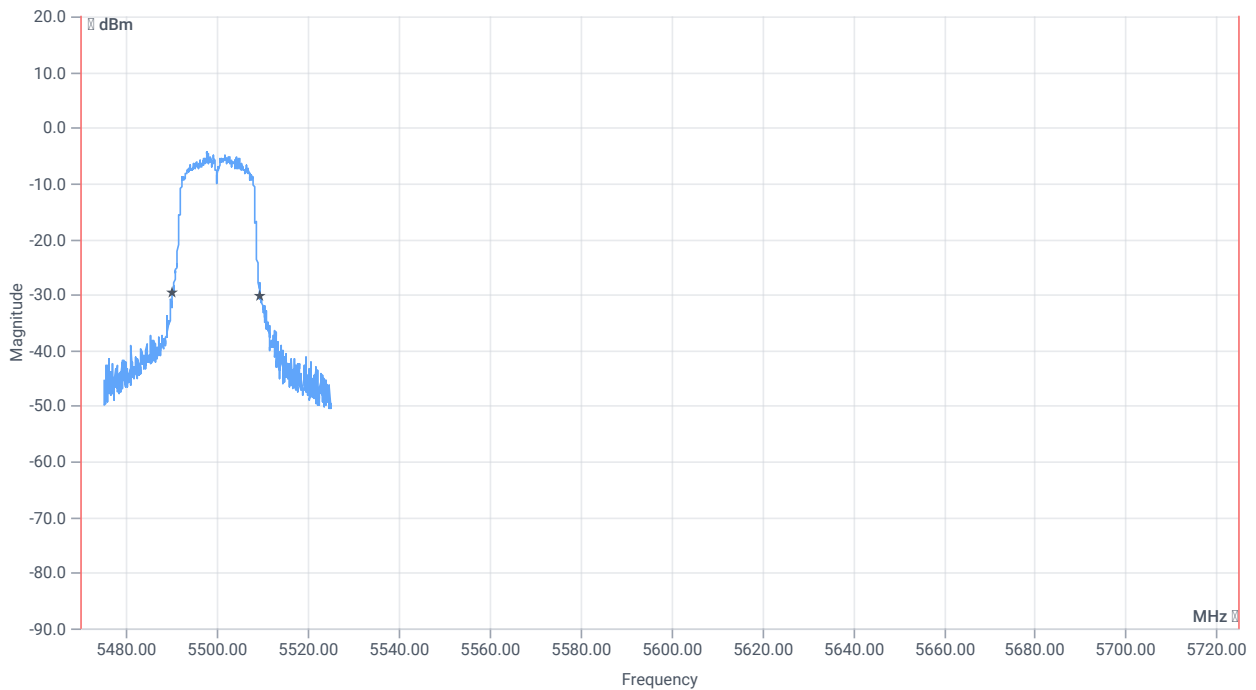
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5470.000000	--	5491.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.1419	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5490.2000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5509.5000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 15:06:54
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

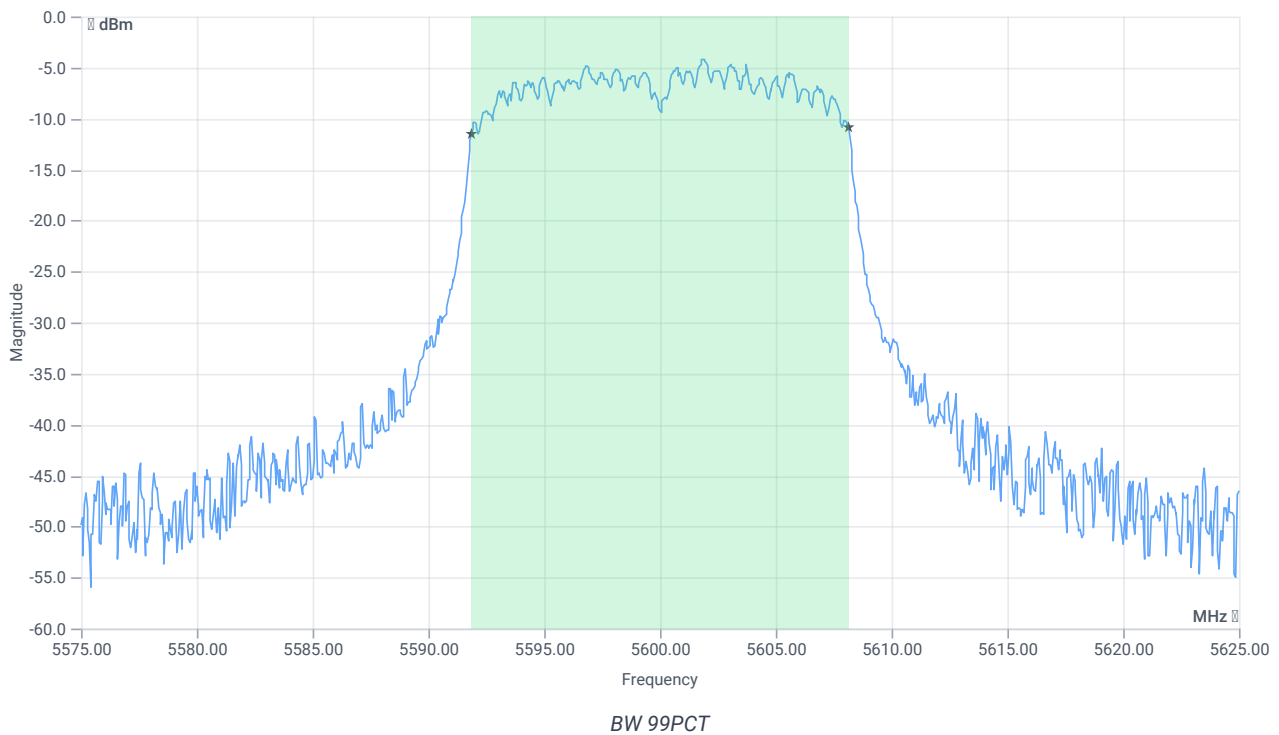
Test at TX 5600 MHz

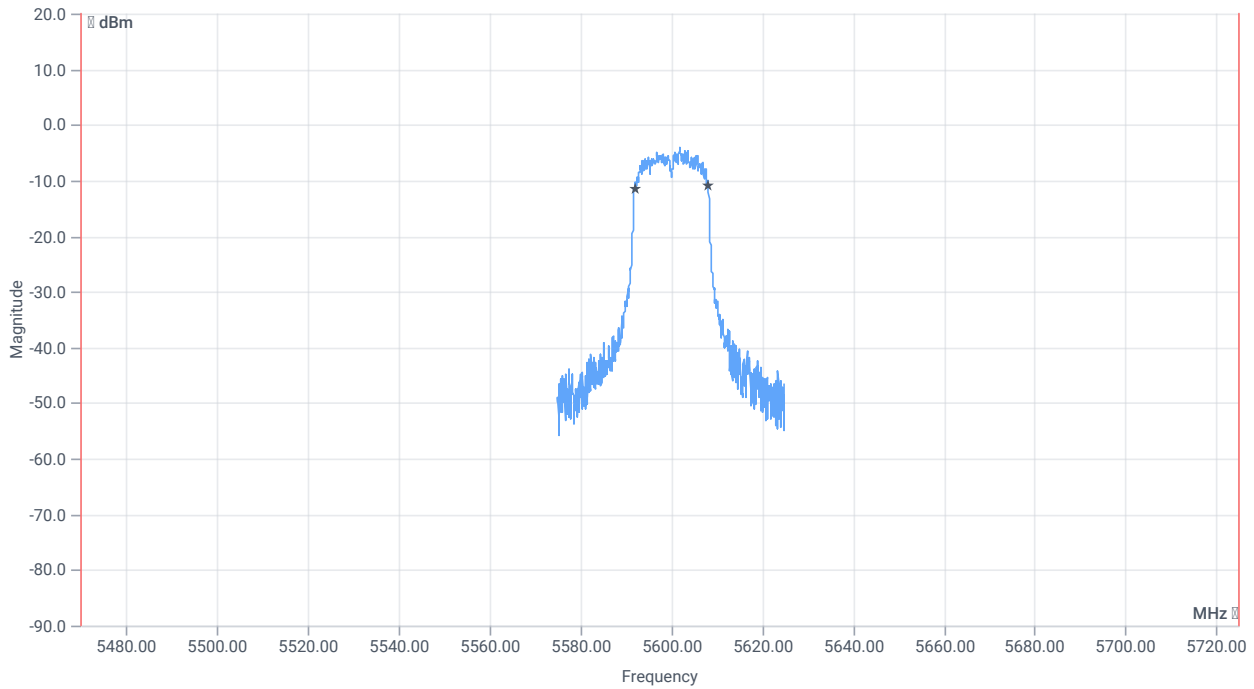
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.13	dBm	INFO
Ref. frequency	--	--	5605.390	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.13 13.81 10
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

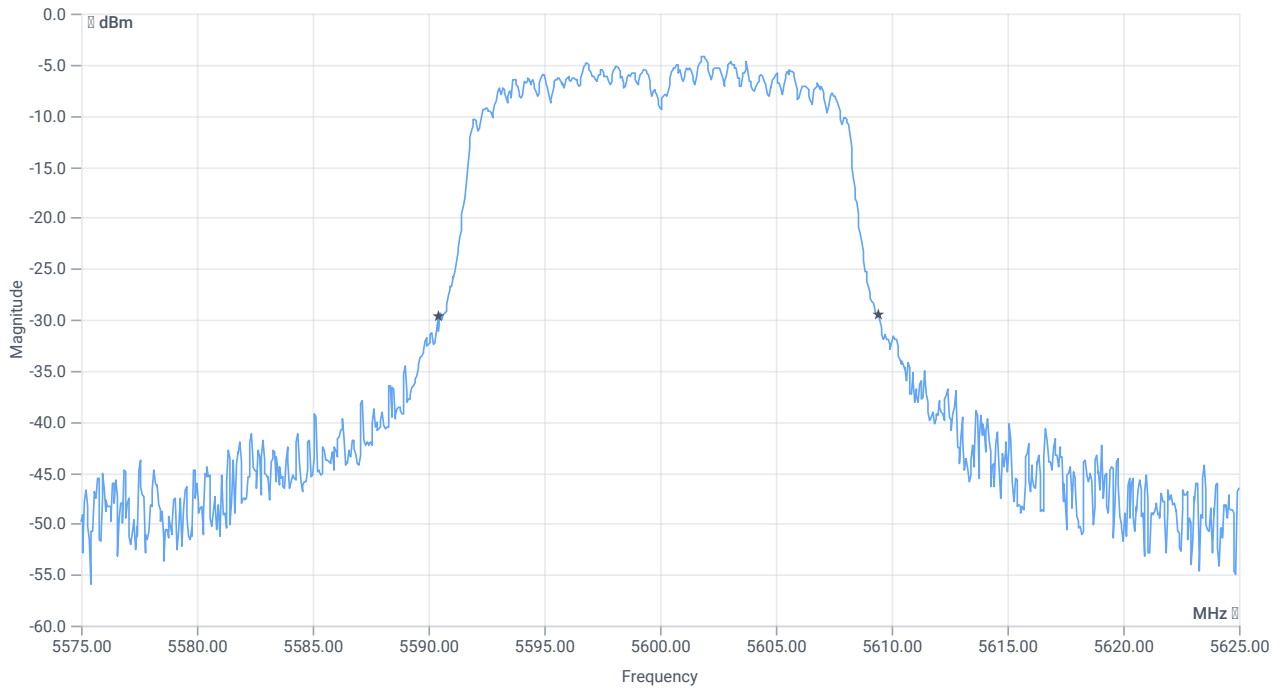




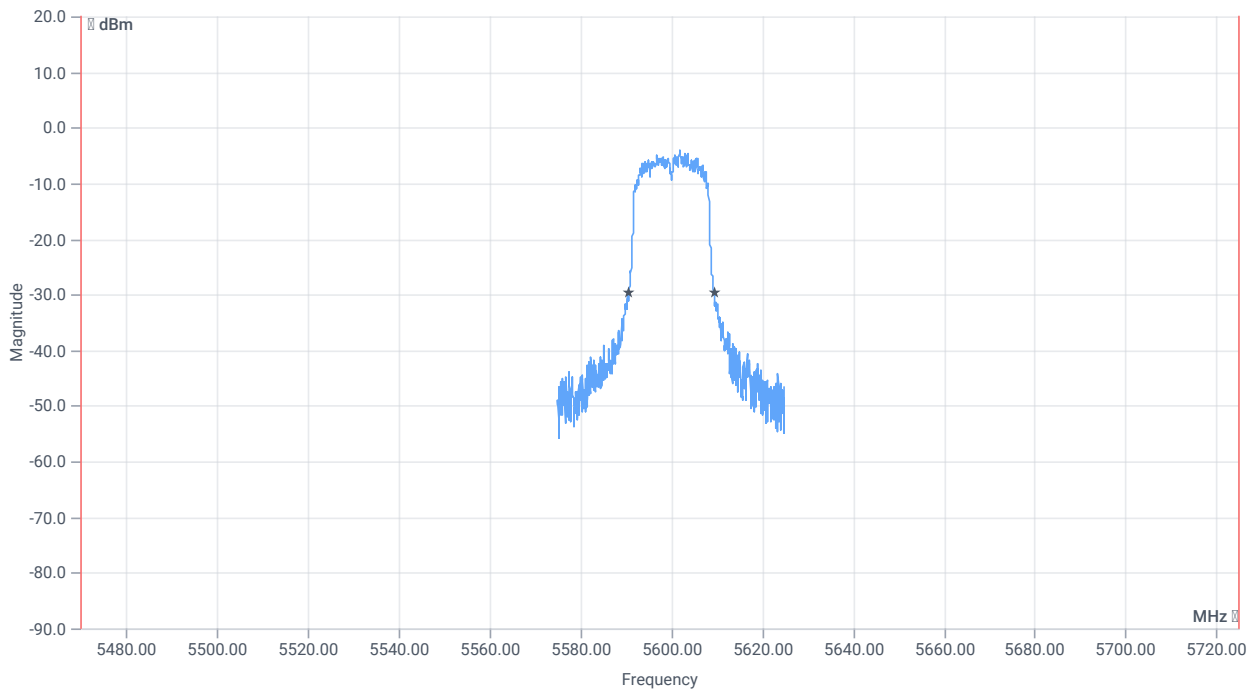
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5470.000000	--	5591.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.1419	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.05	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5590.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5609.4500	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 15:10:25
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

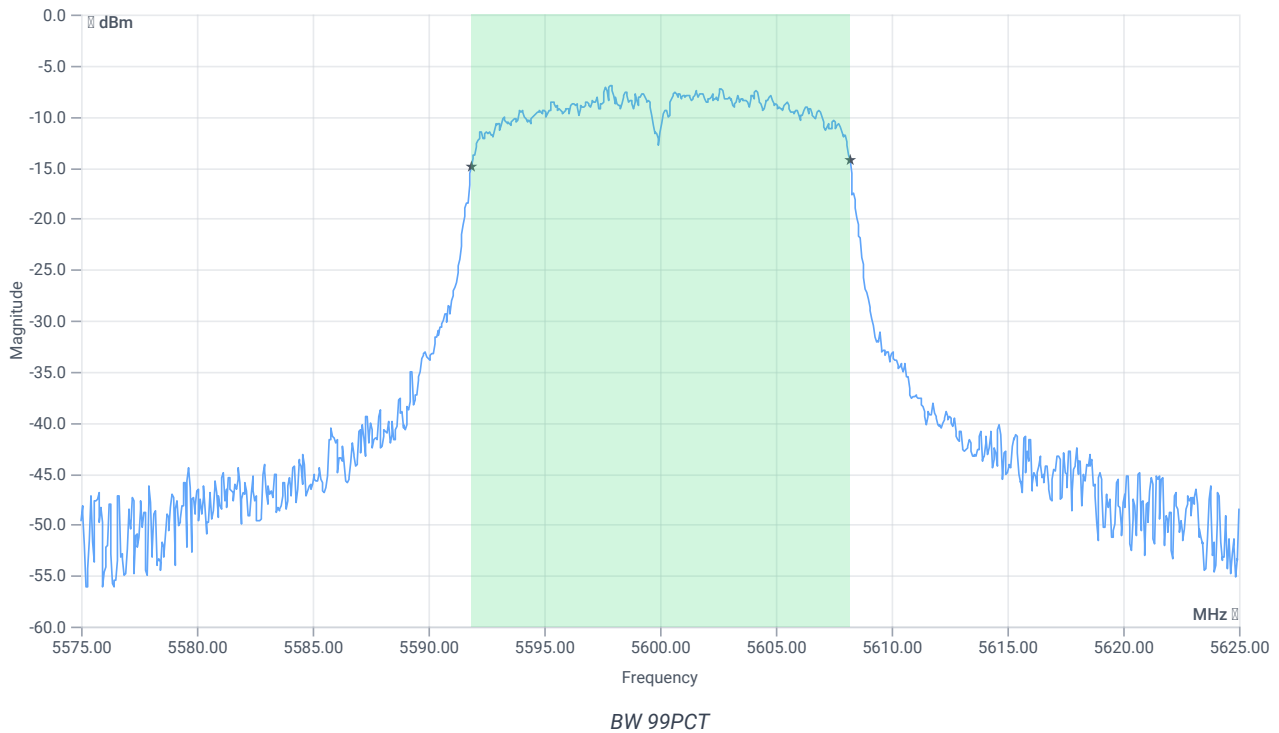
Test at TX 5600 MHz

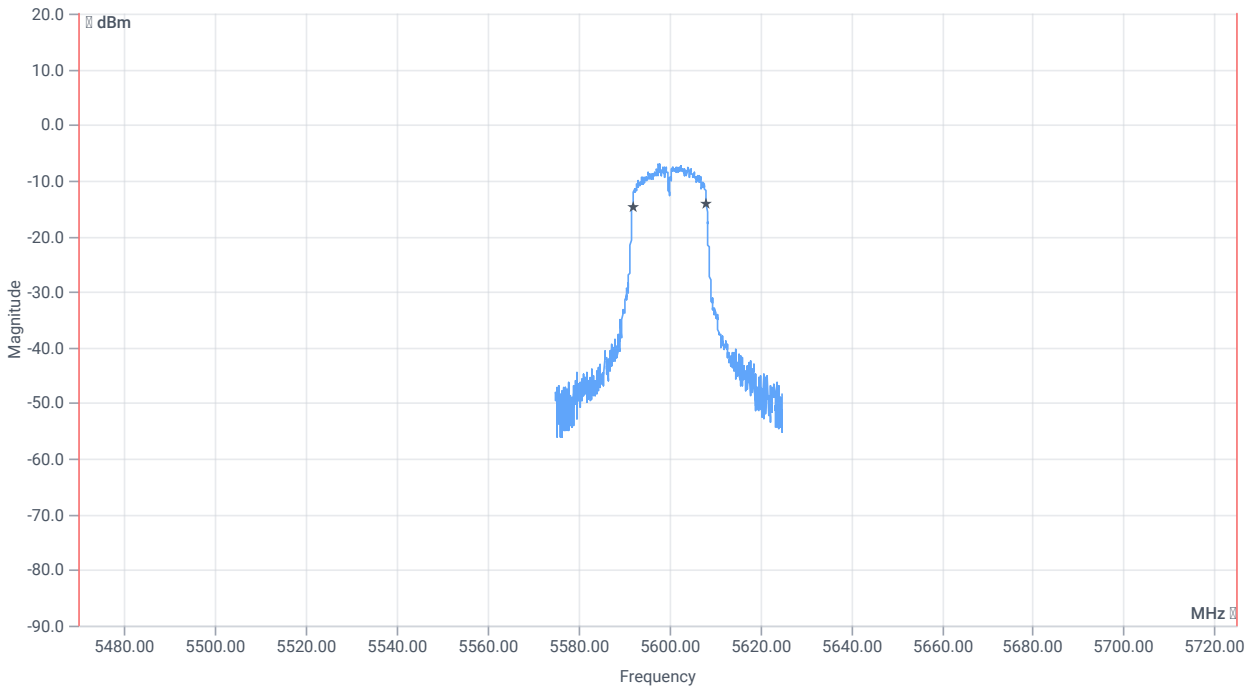
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.43	dBm	INFO
Ref. frequency	--	--	5597.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.57 13.5 10
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

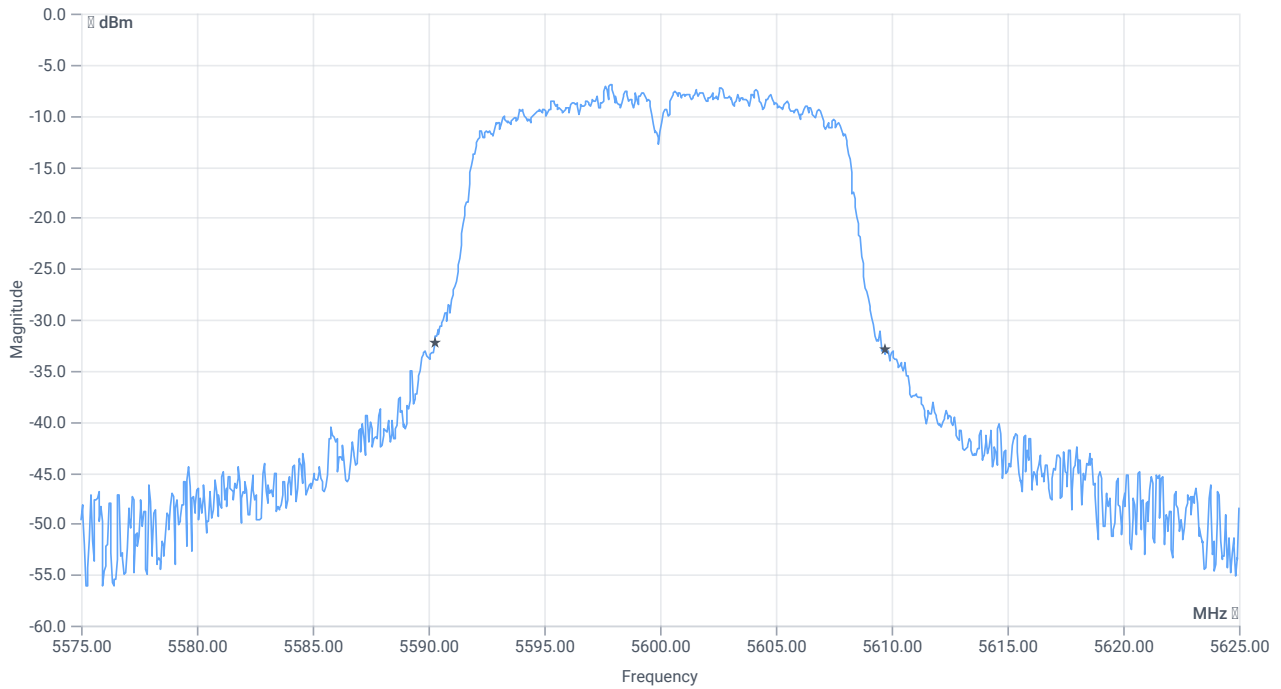




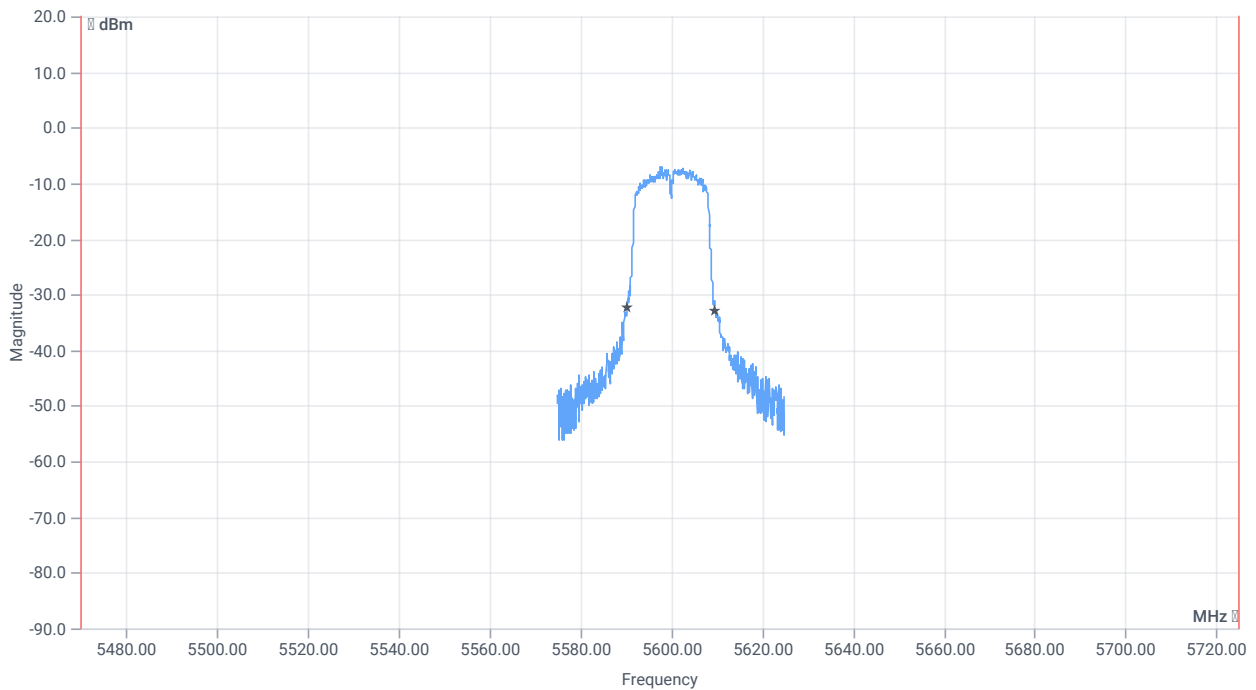
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5470.000000	--	5591.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.1918	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.45	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5590.2500	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 a mode U-NII-2C

References

TC start	14.05.2024 15:15:07
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

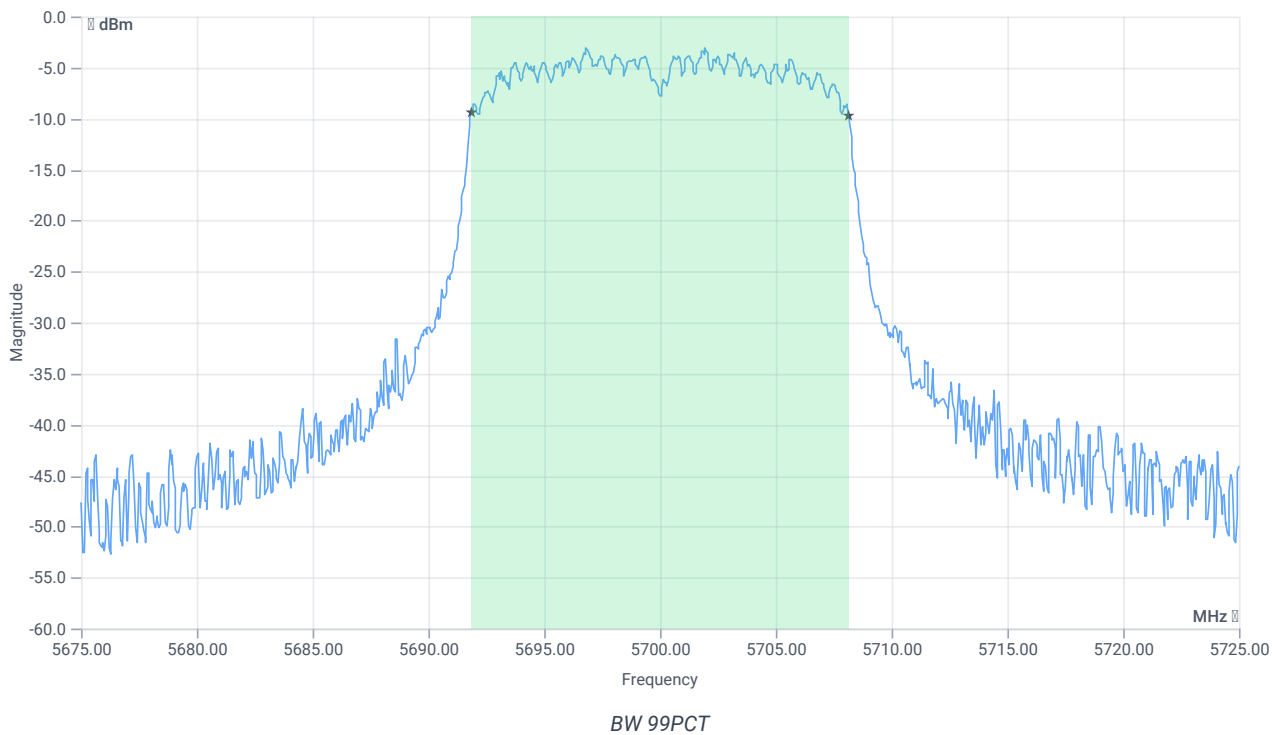
Test at TX 5700 MHz

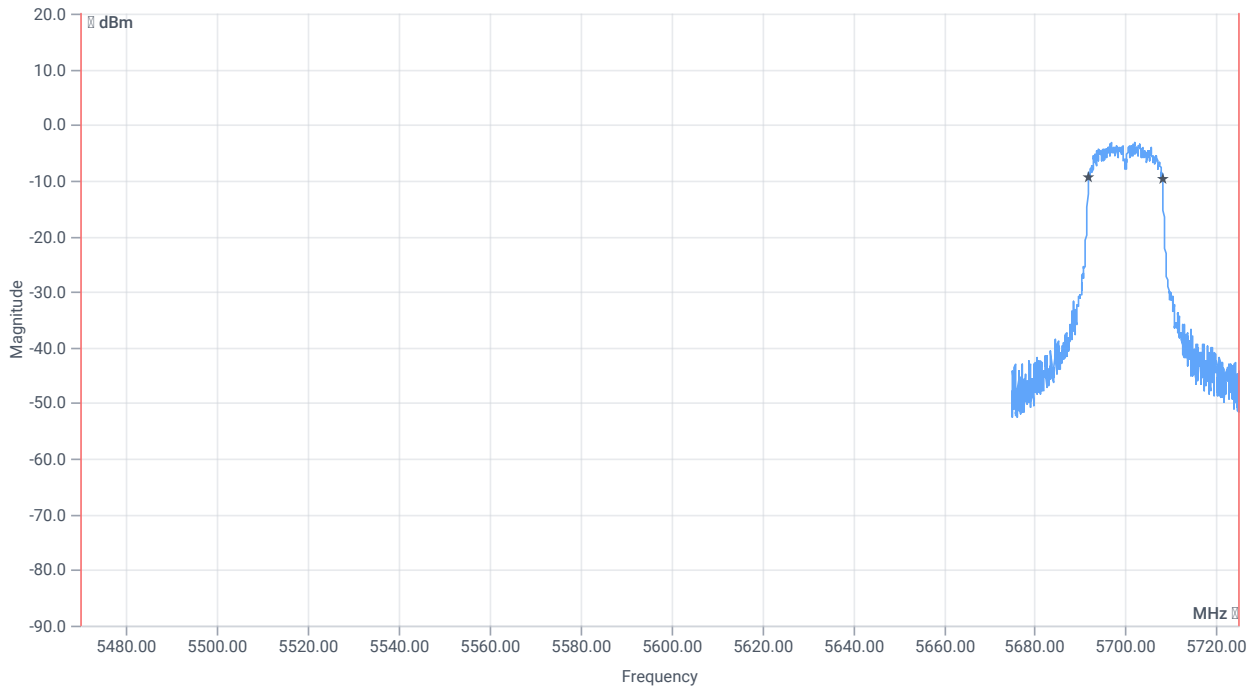
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.76	dBm	INFO
Ref. frequency	--	--	5697.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.76 13.47 15
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

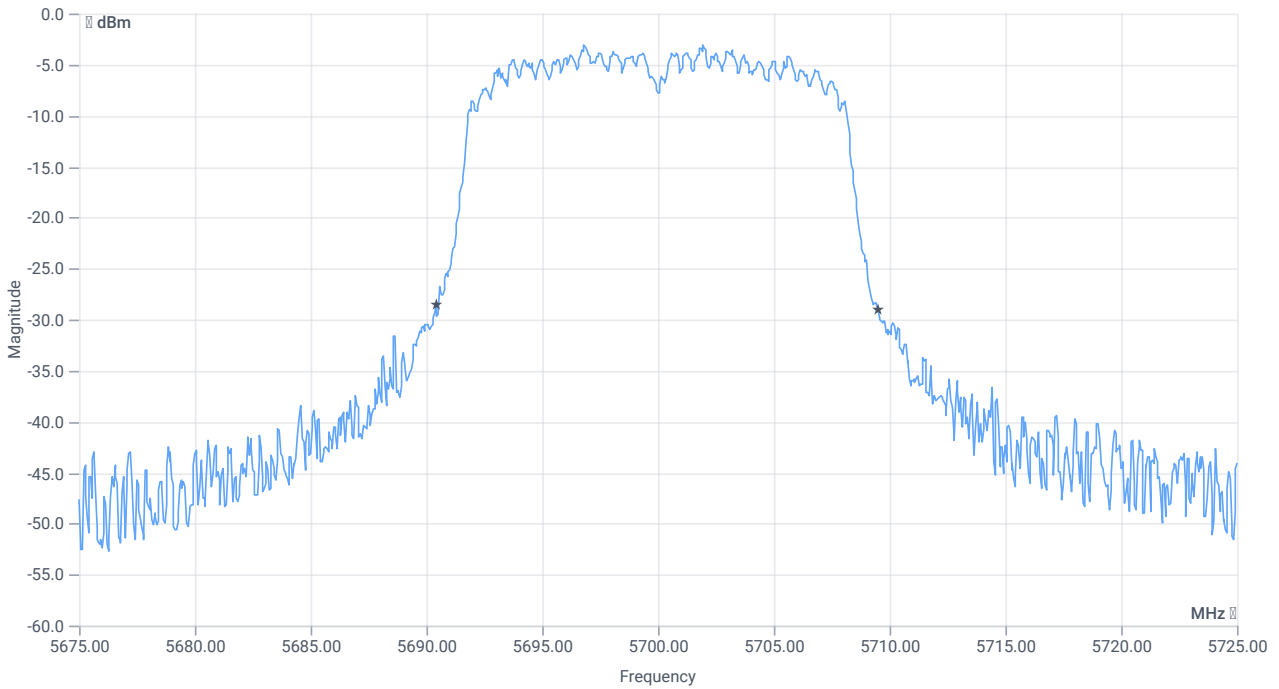




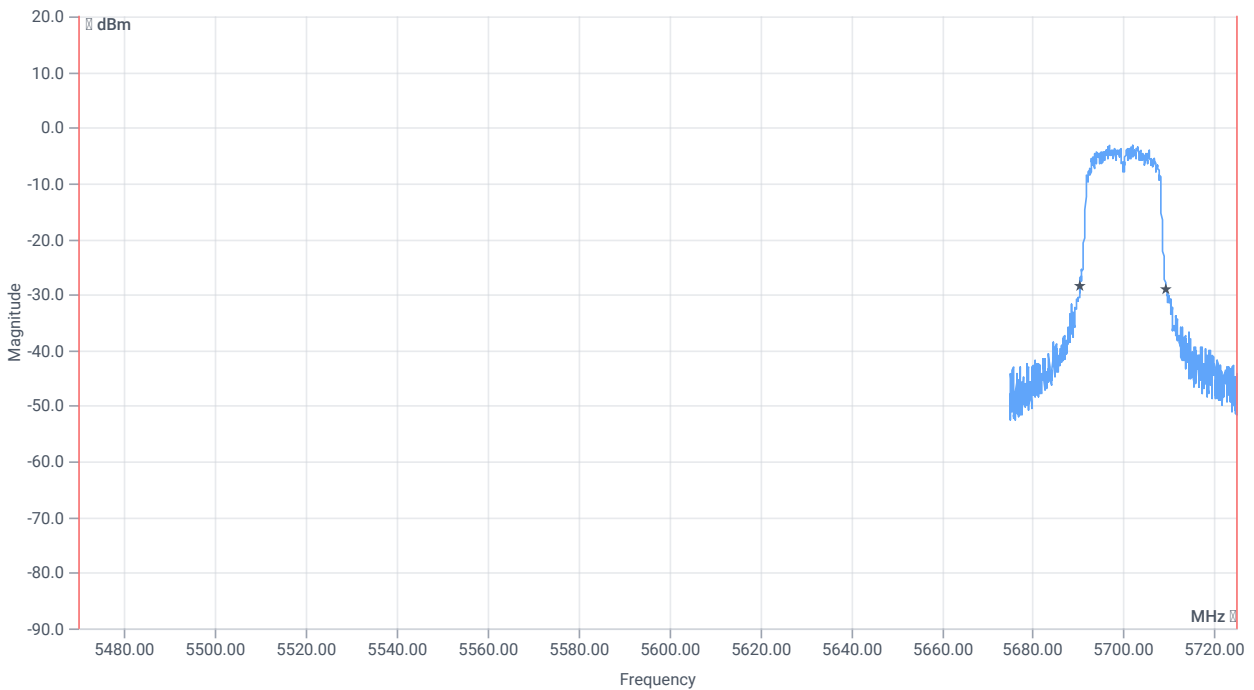
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5470.000000	--	5691.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.1419	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.1	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5690.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5709.5000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 15:18:34
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

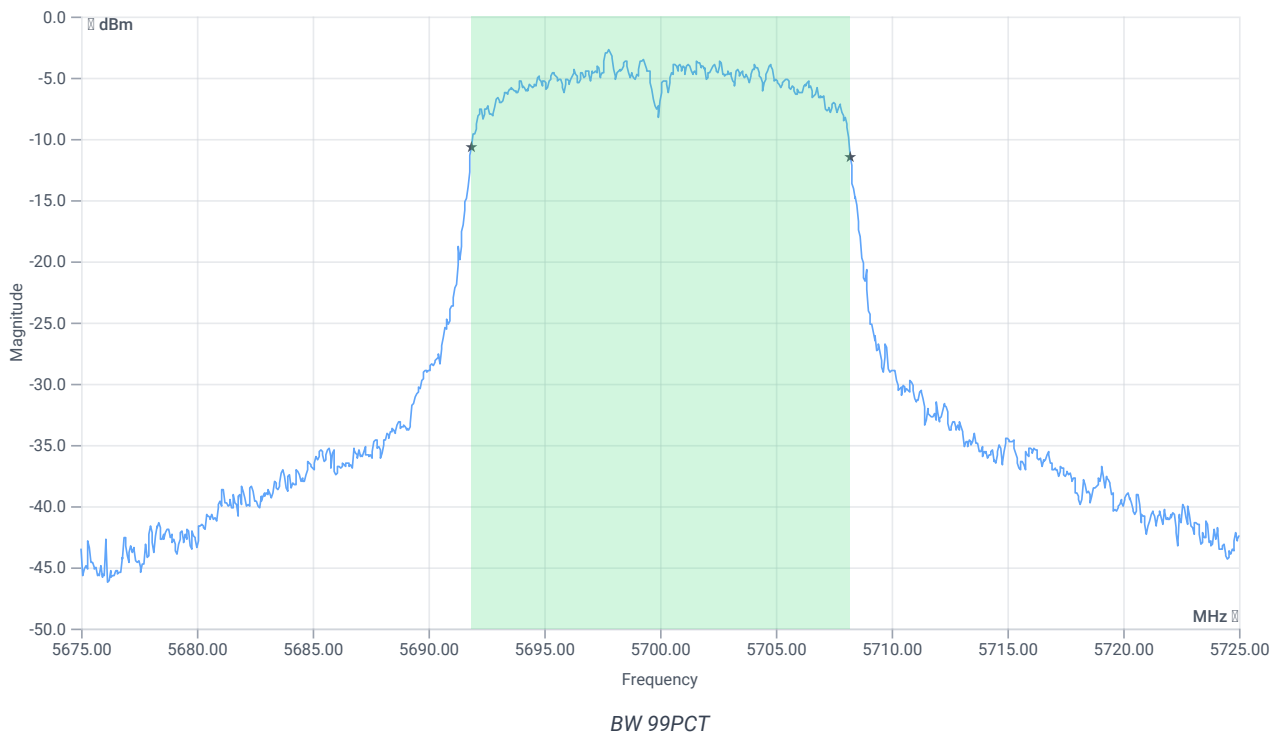
Test at TX 5700 MHz

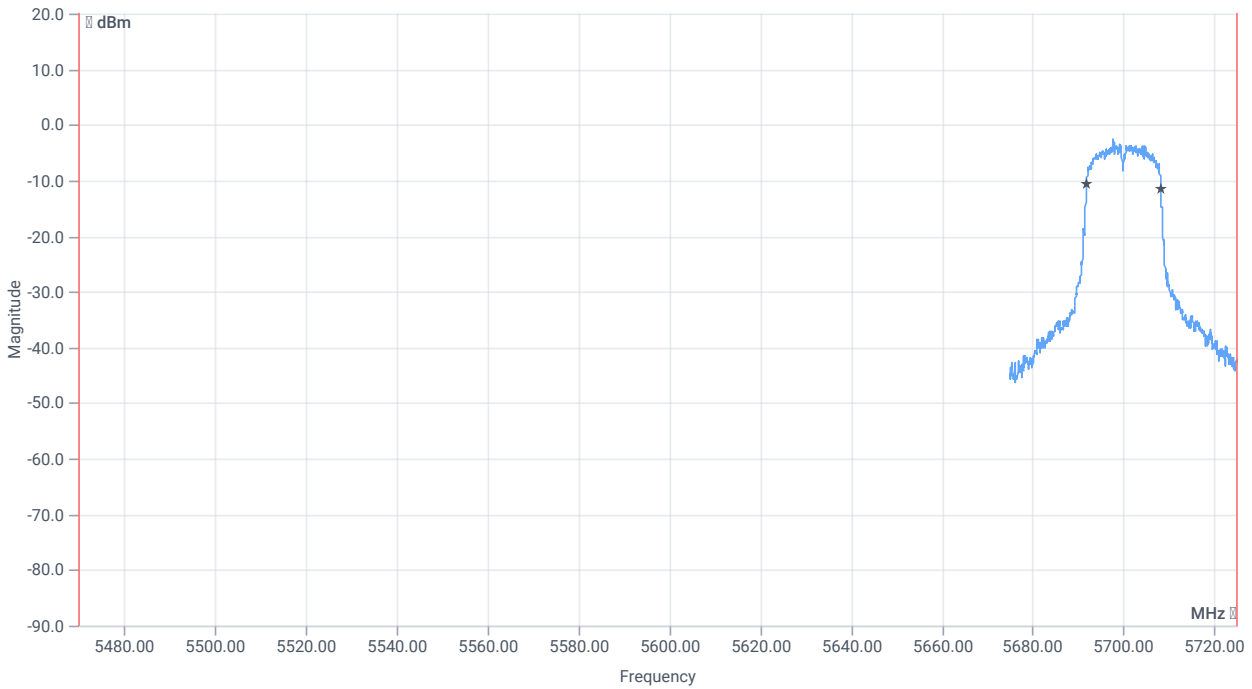
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.19	dBm	INFO
Ref. frequency	--	--	5696.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.19 13.43 15
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

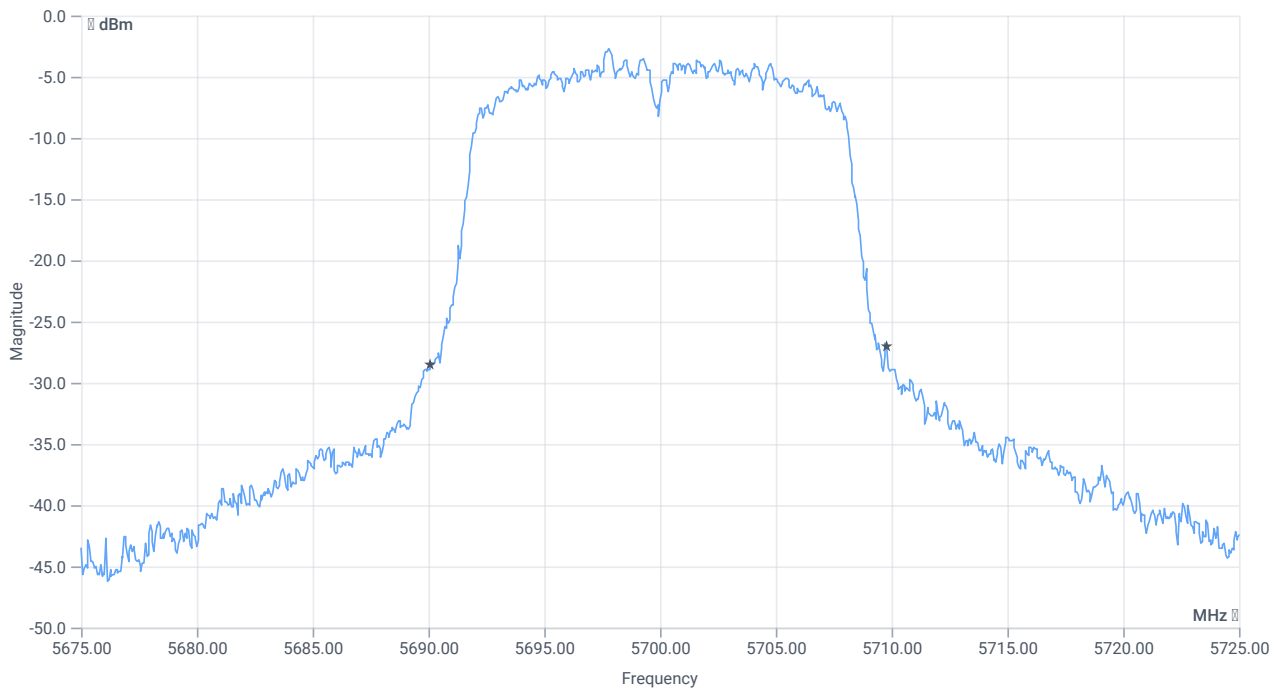




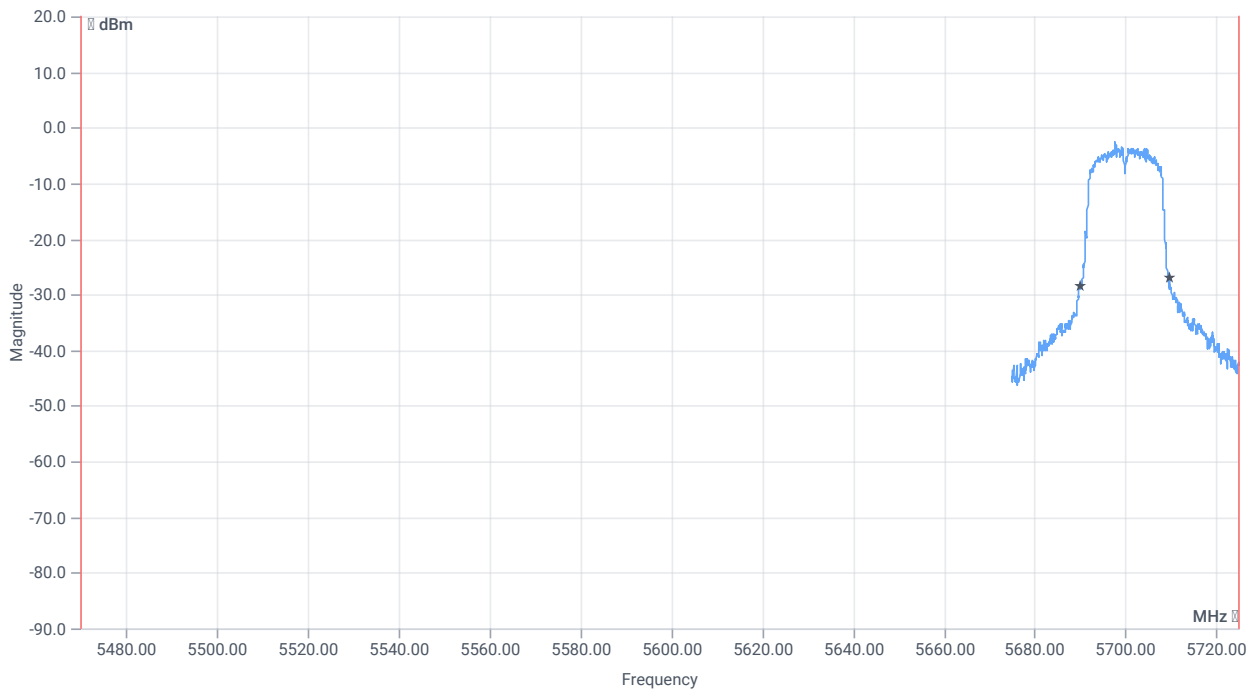
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5470.000000	--	5691.8581	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.1918	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.7	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5690.1000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5709.8000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 15:45:05
Ambit temp [°C] humidity [rel%]	28.2 39
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

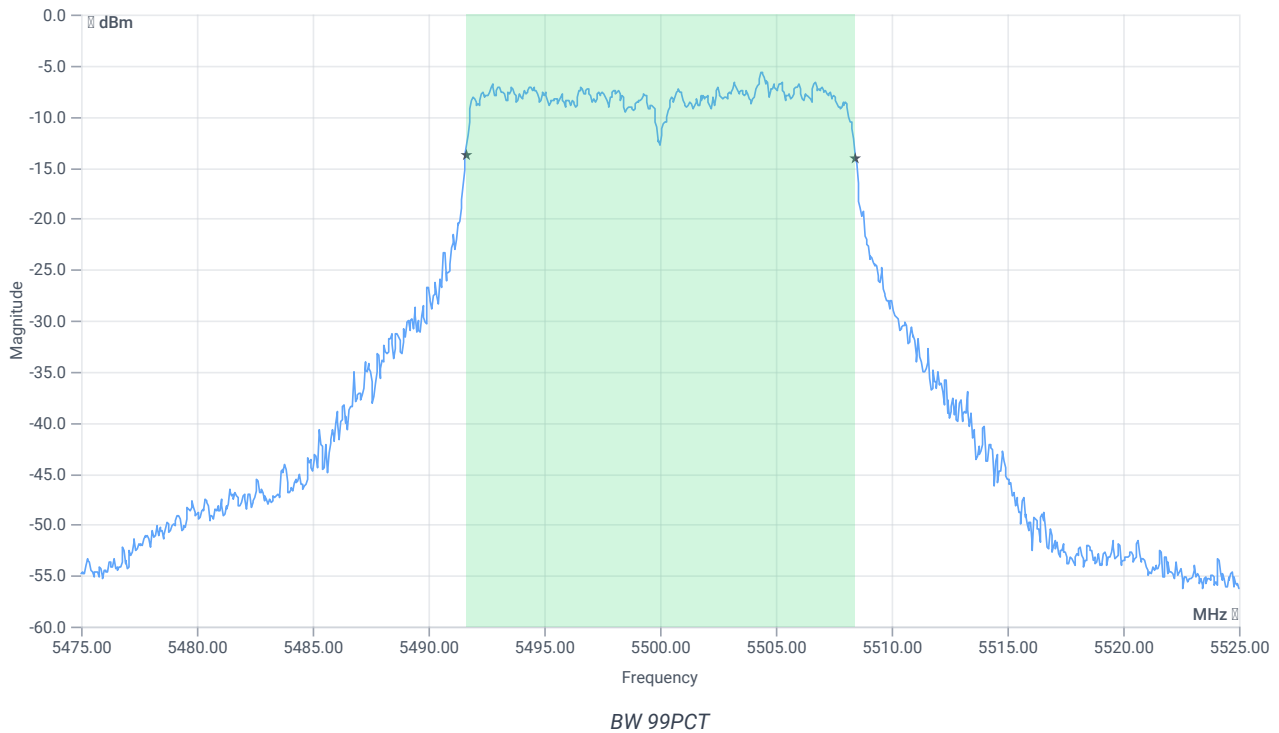
Test at TX 5500 MHz

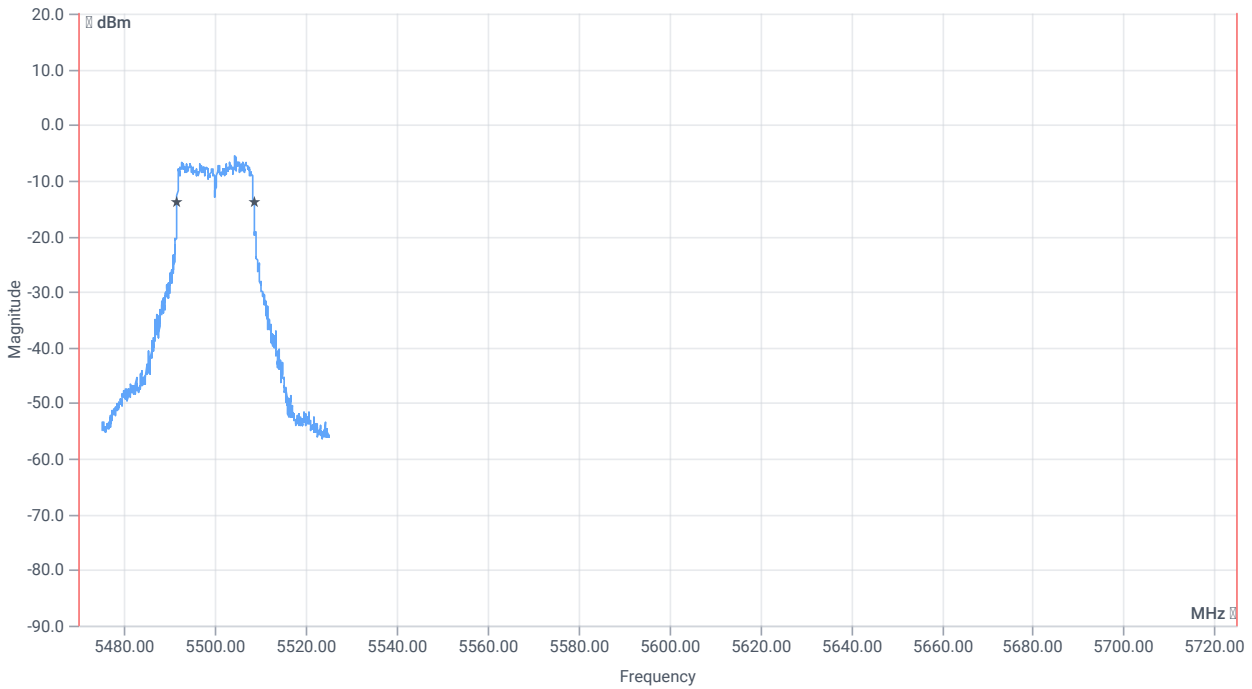
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.82	dBm	INFO
Ref. frequency	--	--	5494.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.18 13.54 10
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

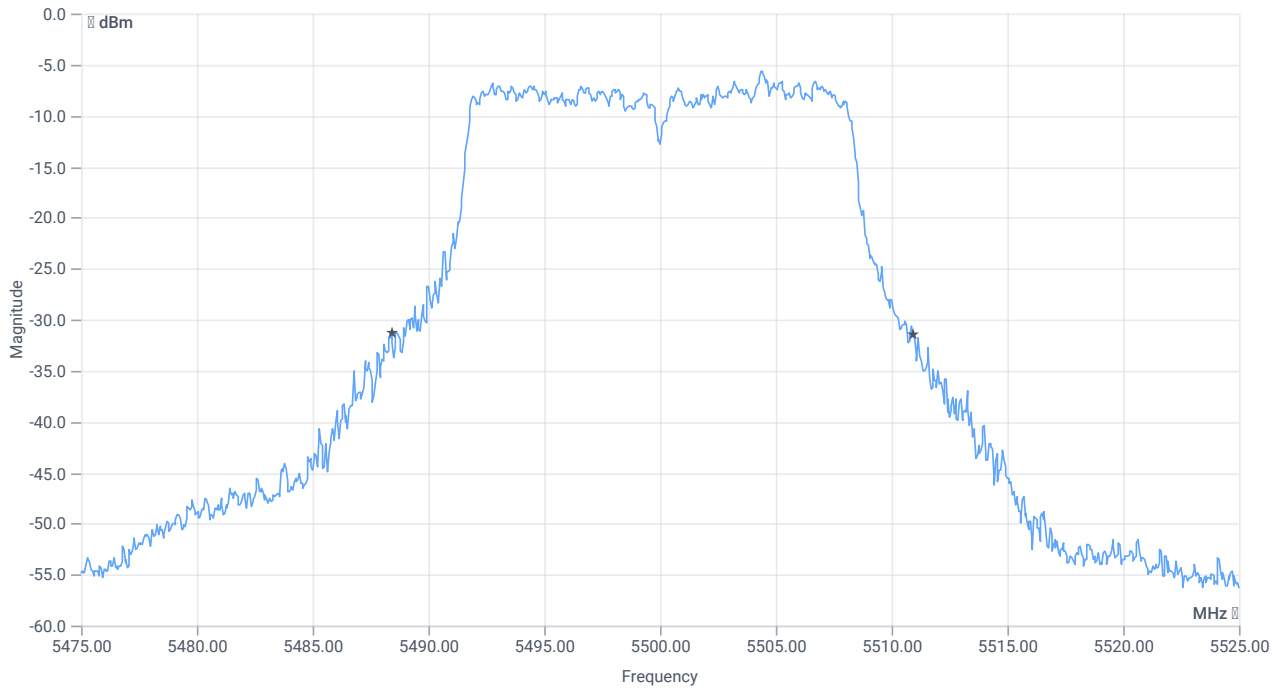




BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.833	MHz	INFO
T1 99%	5470.000000	--	5491.6084	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.4416	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.55	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5488.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5510.9500	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 15:48:32
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

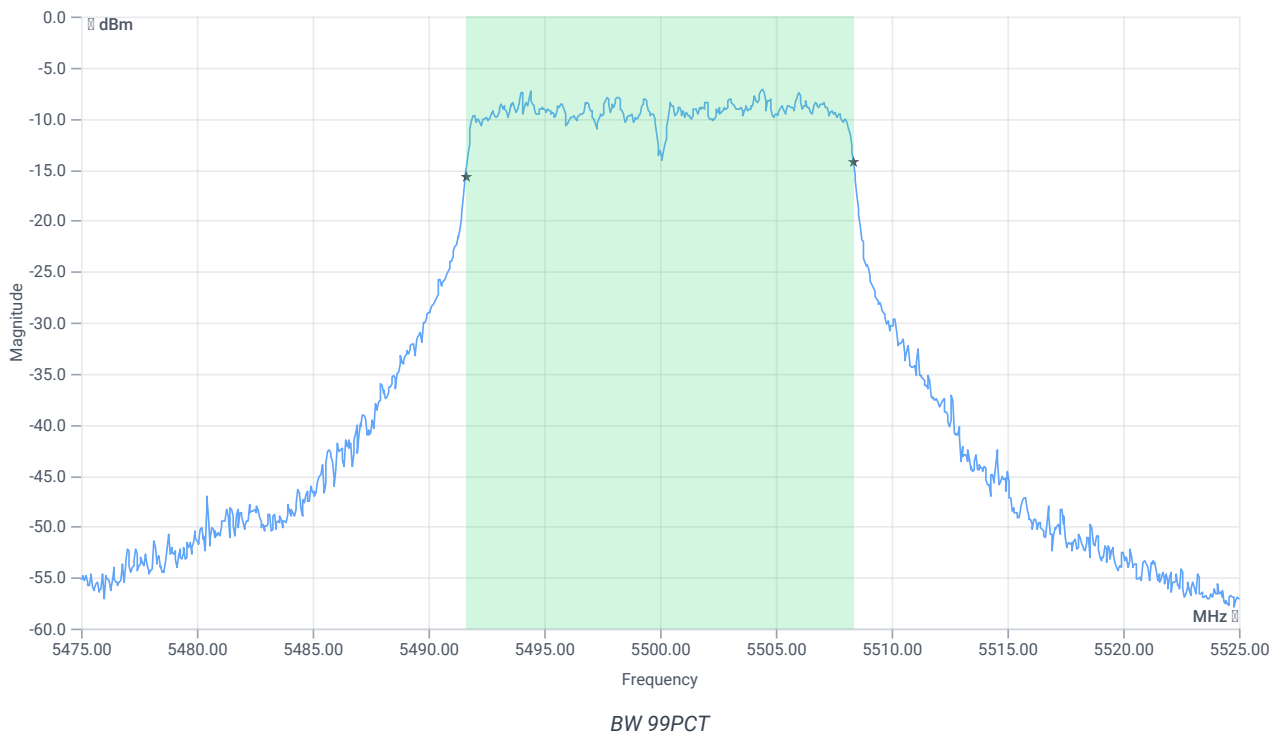
Test at TX 5500 MHz

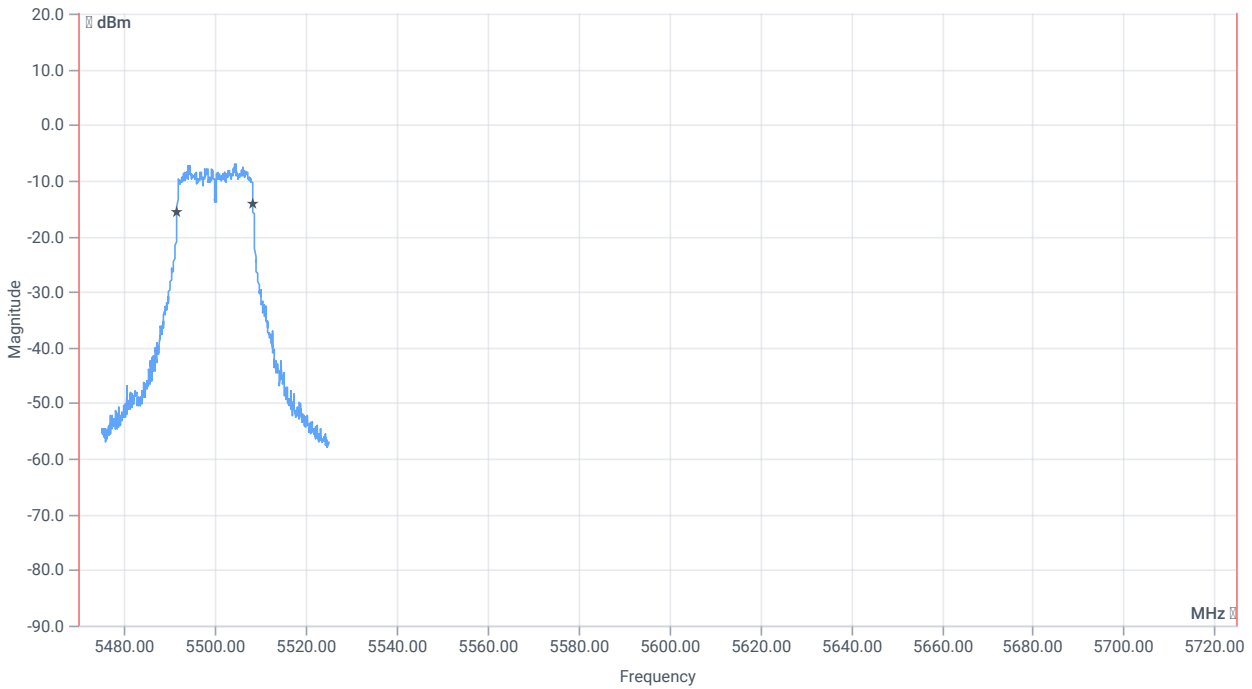
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.70	dBm	INFO
Ref. frequency	--	--	5492.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.30 13.42 10
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

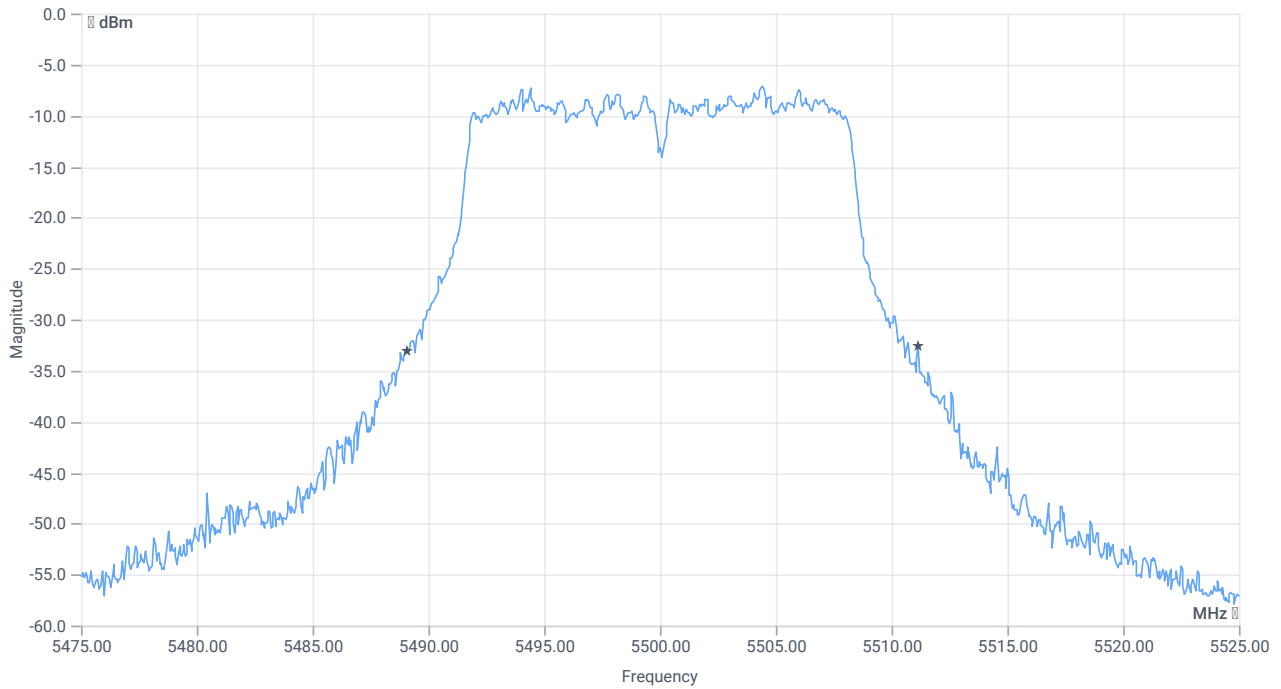




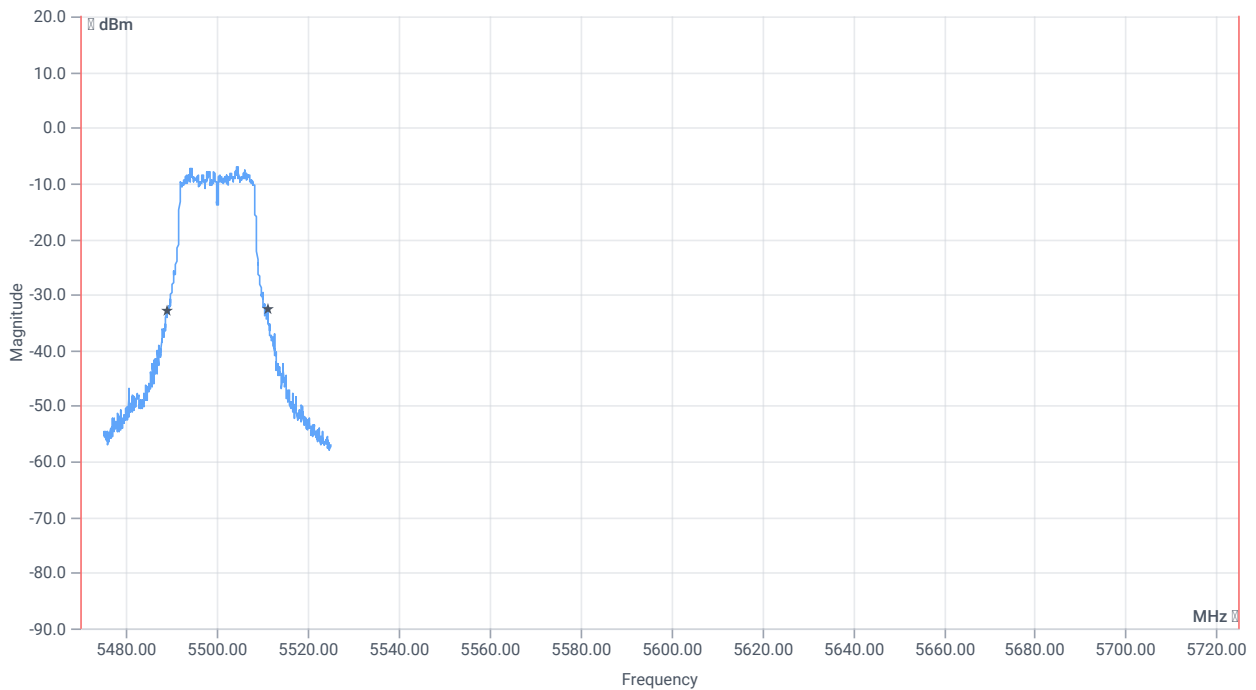
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5470.000000	--	5491.6084	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5508.3417	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.1	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5489.0500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5511.1500	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 16:01:35
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

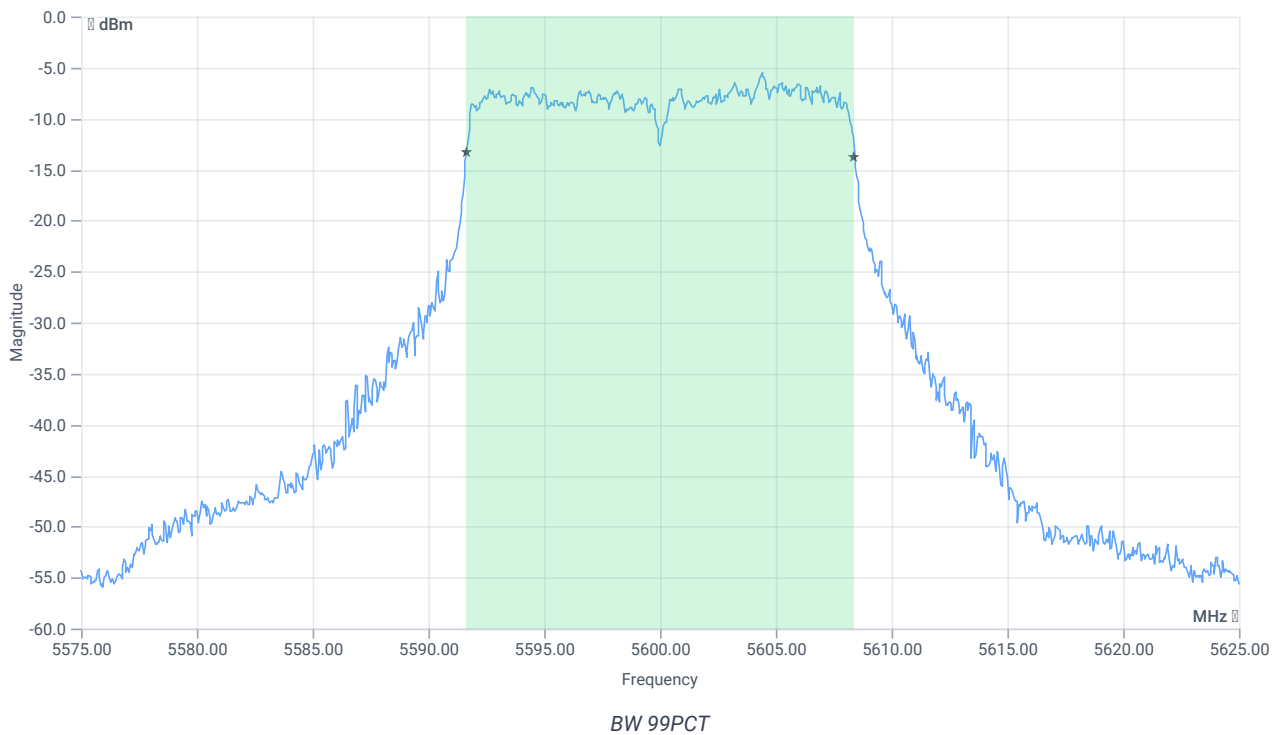
Test at TX 5600 MHz

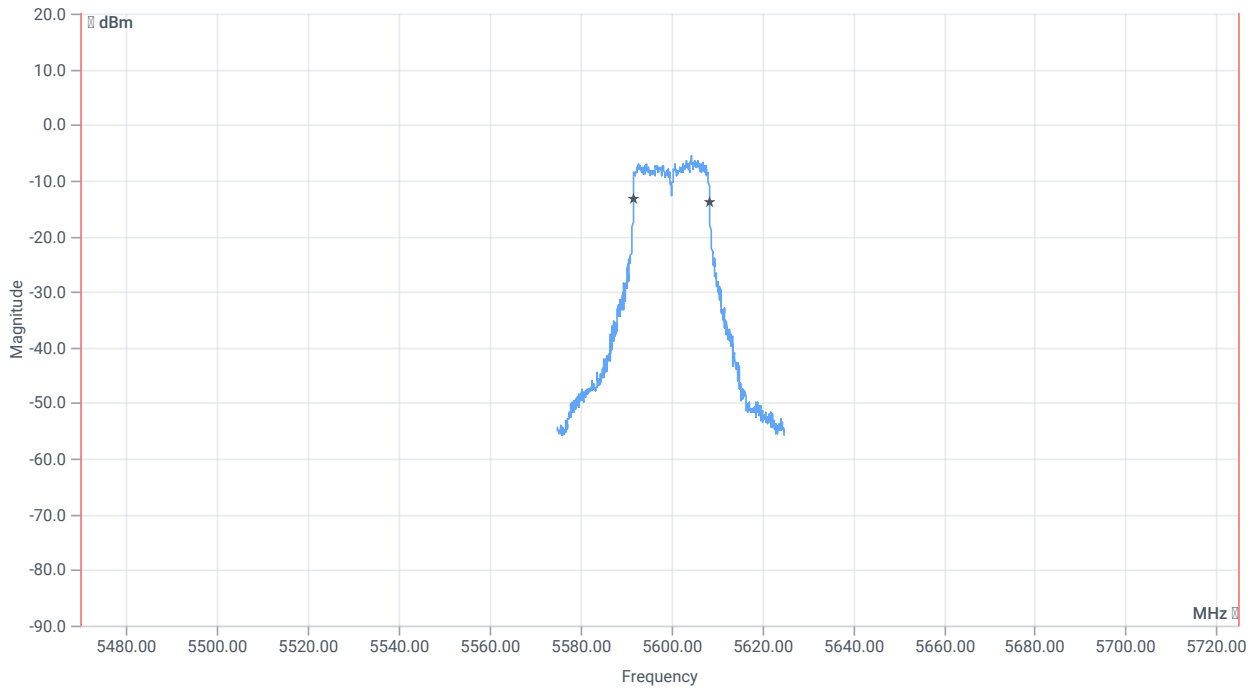
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.97	dBm	INFO
Ref. frequency	--	--	5603.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.03 13.81 10
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

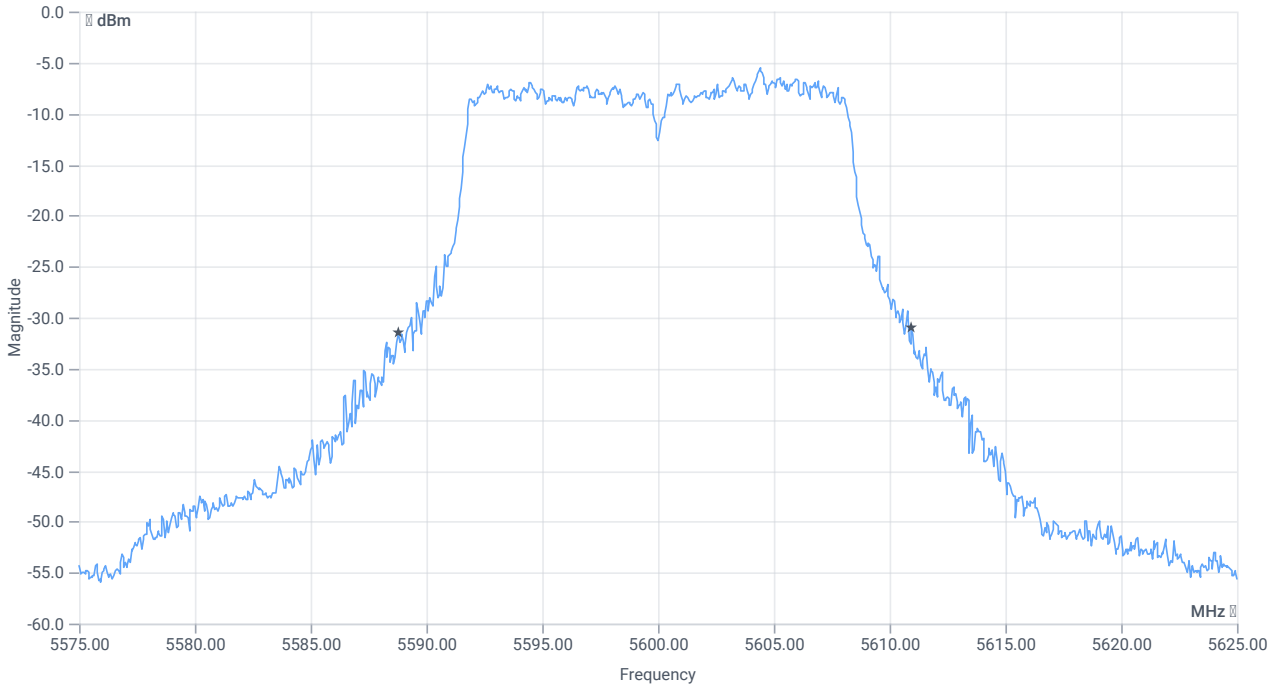




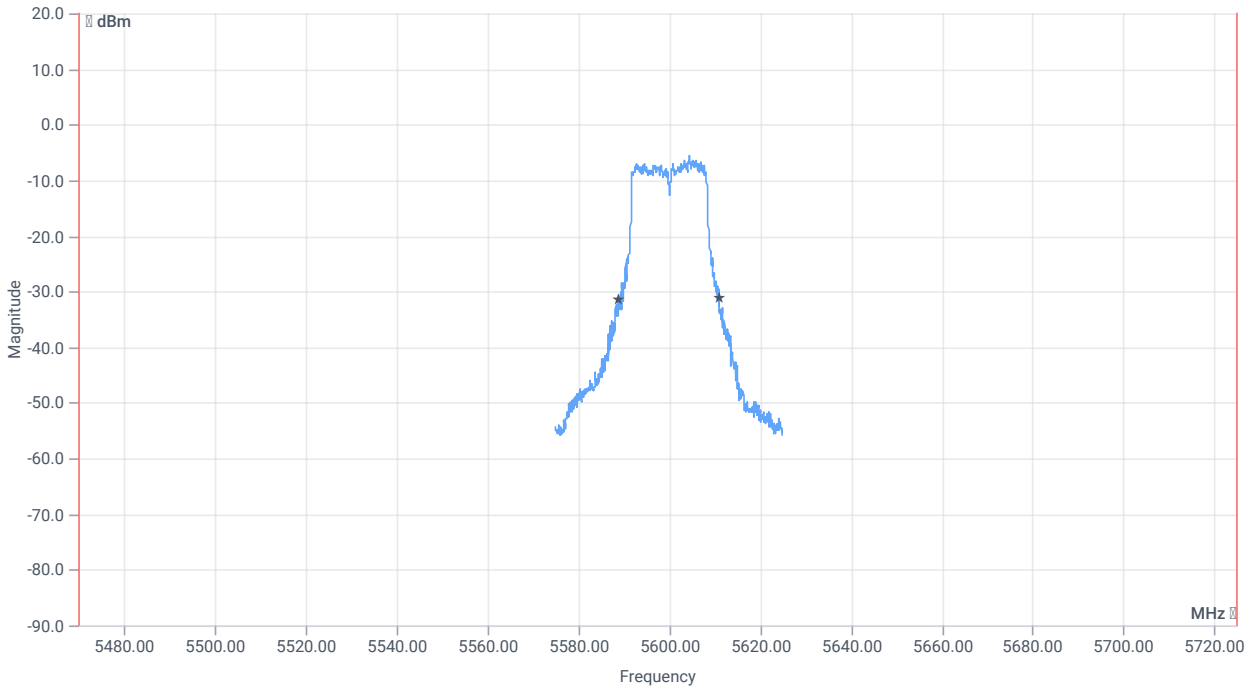
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5470.000000	--	5591.6583	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.3916	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.15	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5588.8000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5610.9500	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 16:05:01
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

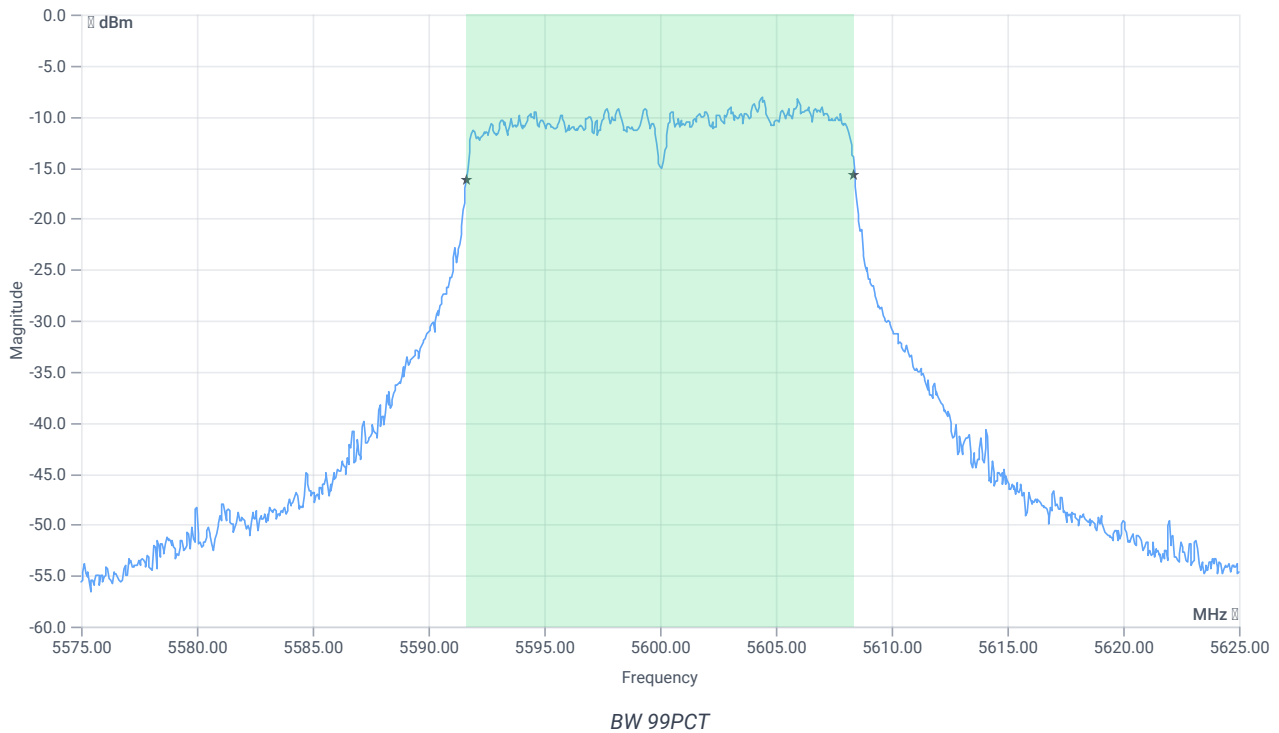
Test at TX 5600 MHz

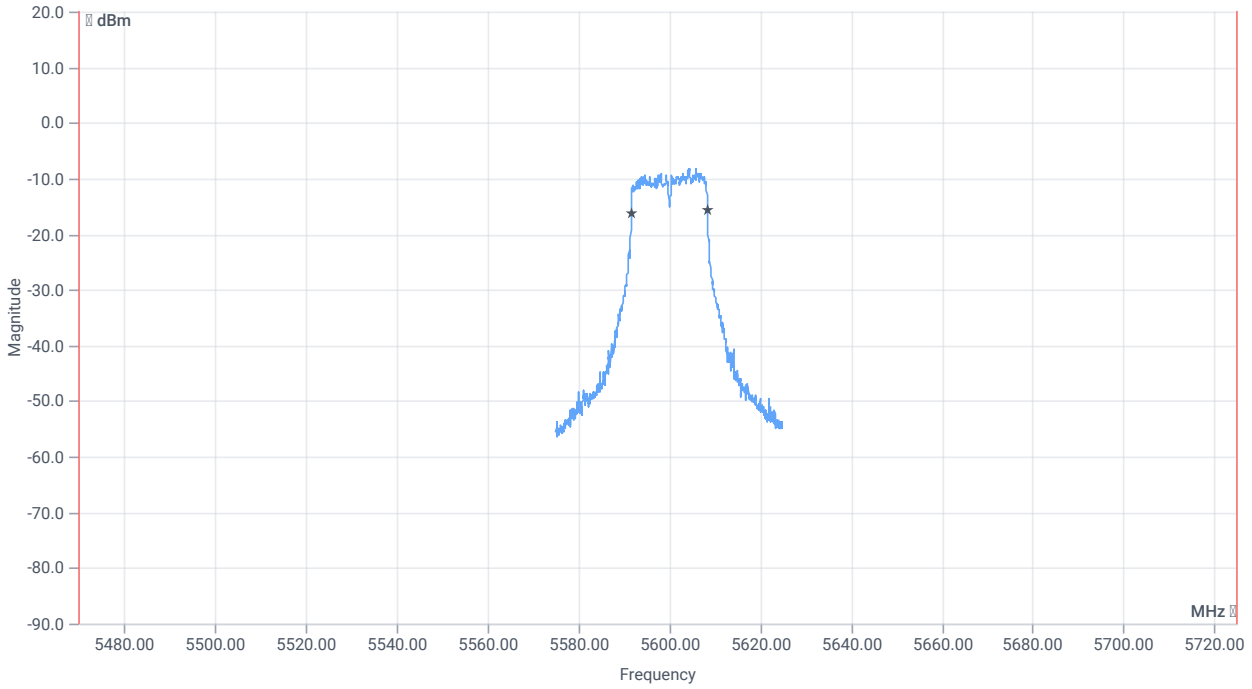
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.63	dBm	INFO
Ref. frequency	--	--	5607.190	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.37 13.5 10
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

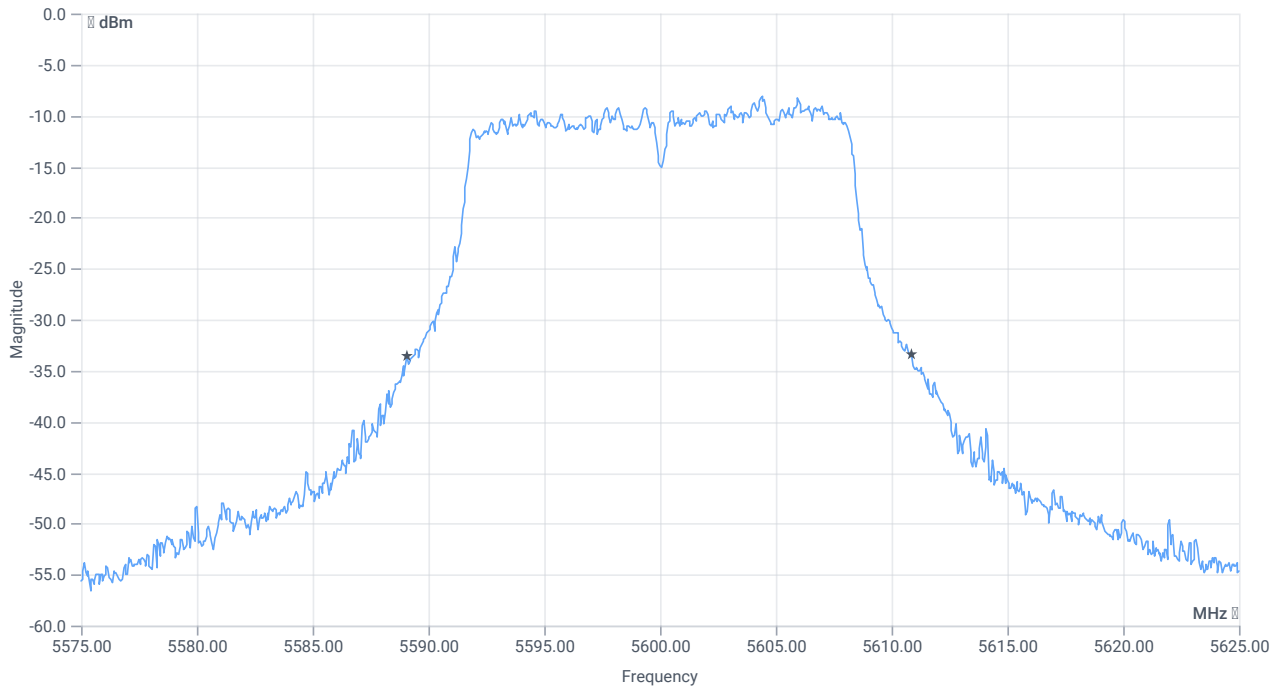




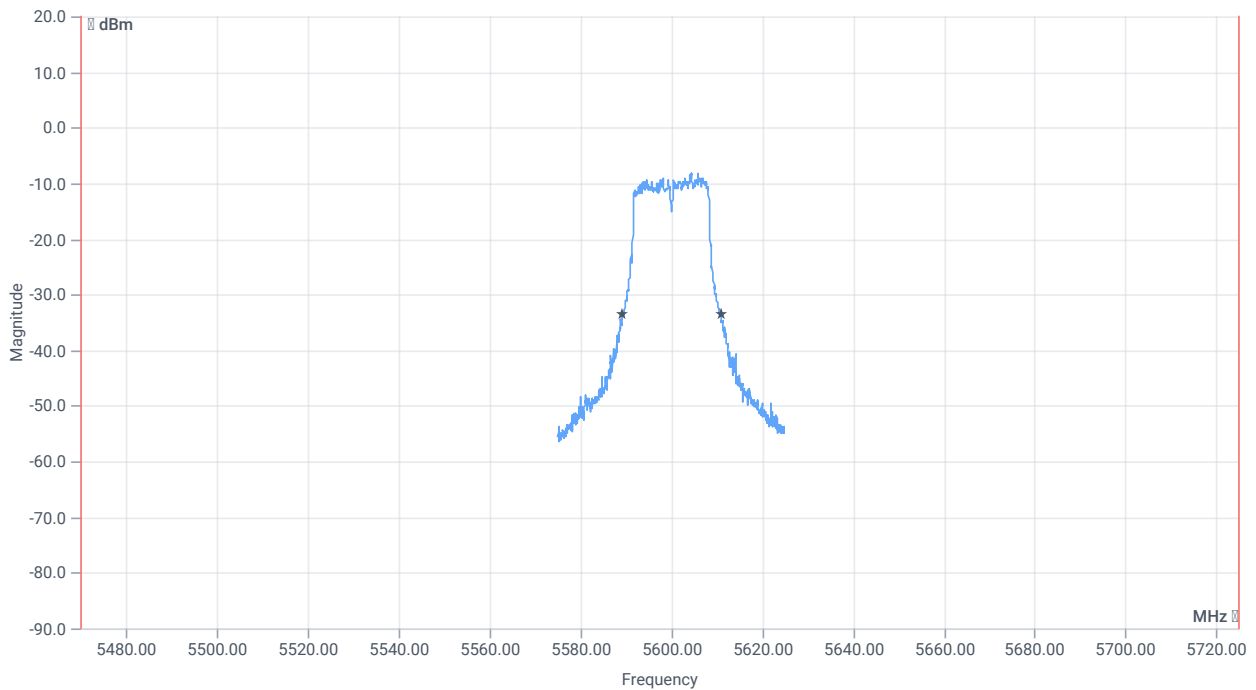
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5470.000000	--	5591.6583	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.3916	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5589.0500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5610.8500	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 16:09:04
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

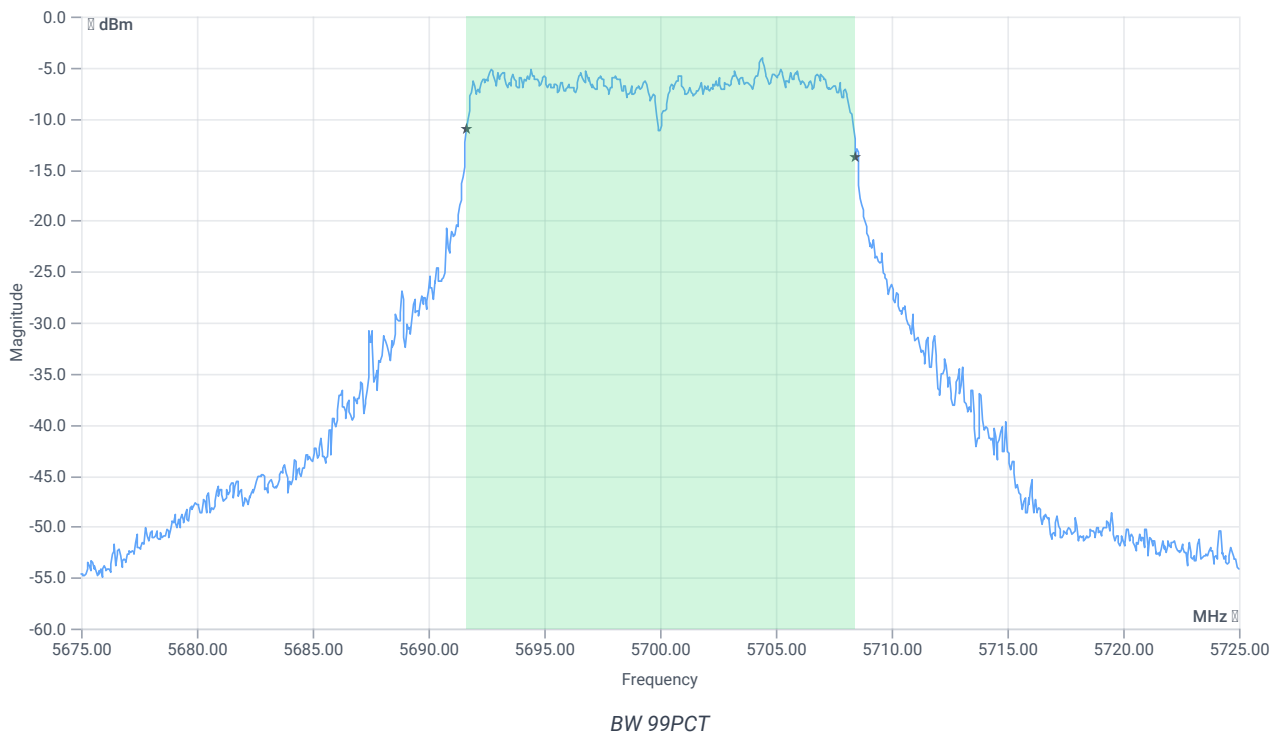
Test at TX 5700 MHz

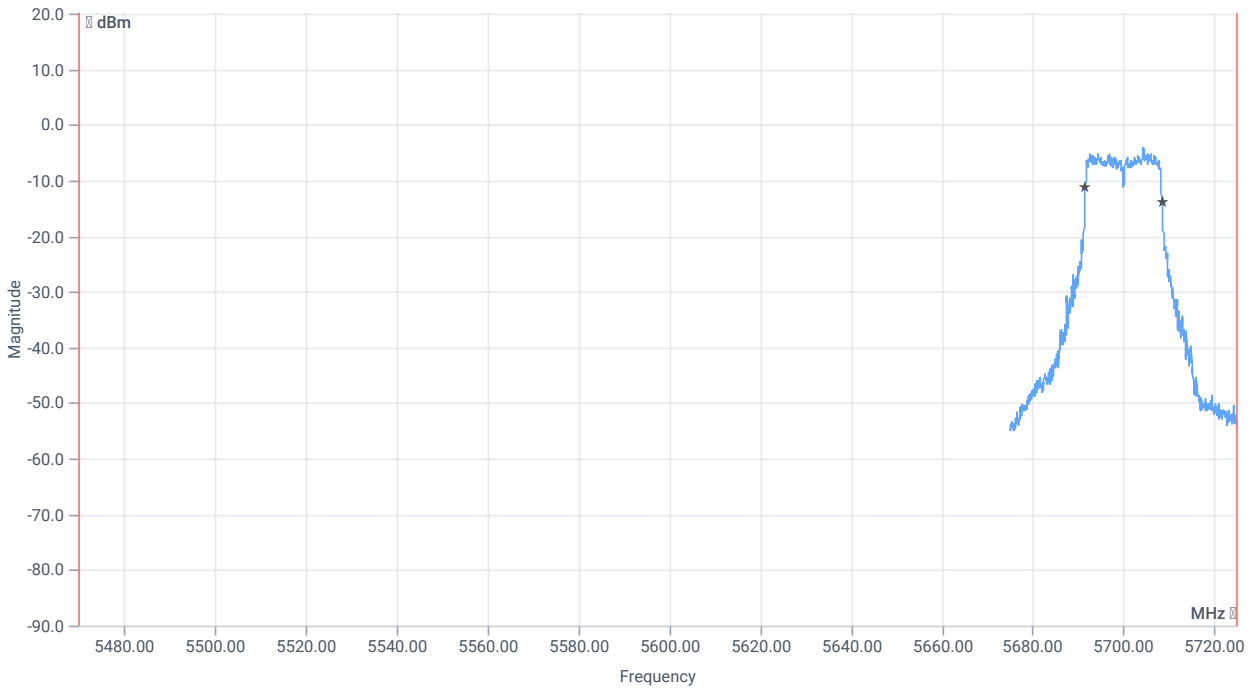
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.18	dBm	INFO
Ref. frequency	--	--	5696.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.18 13.47 10
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

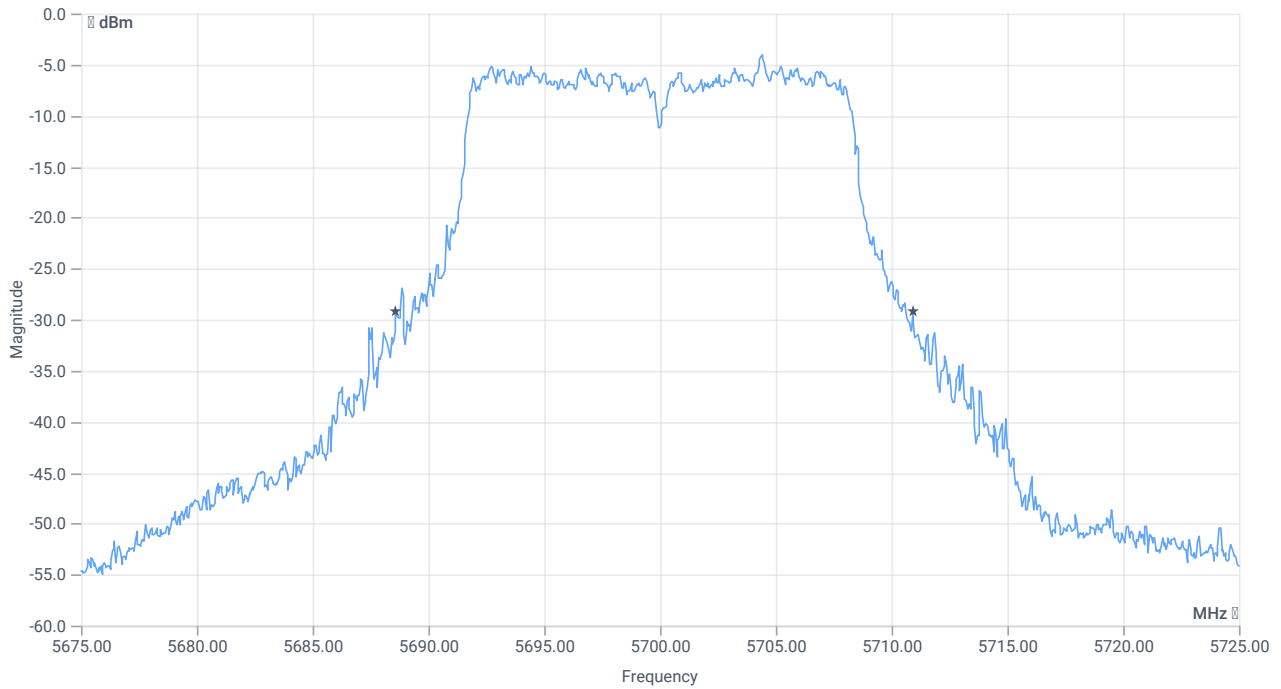




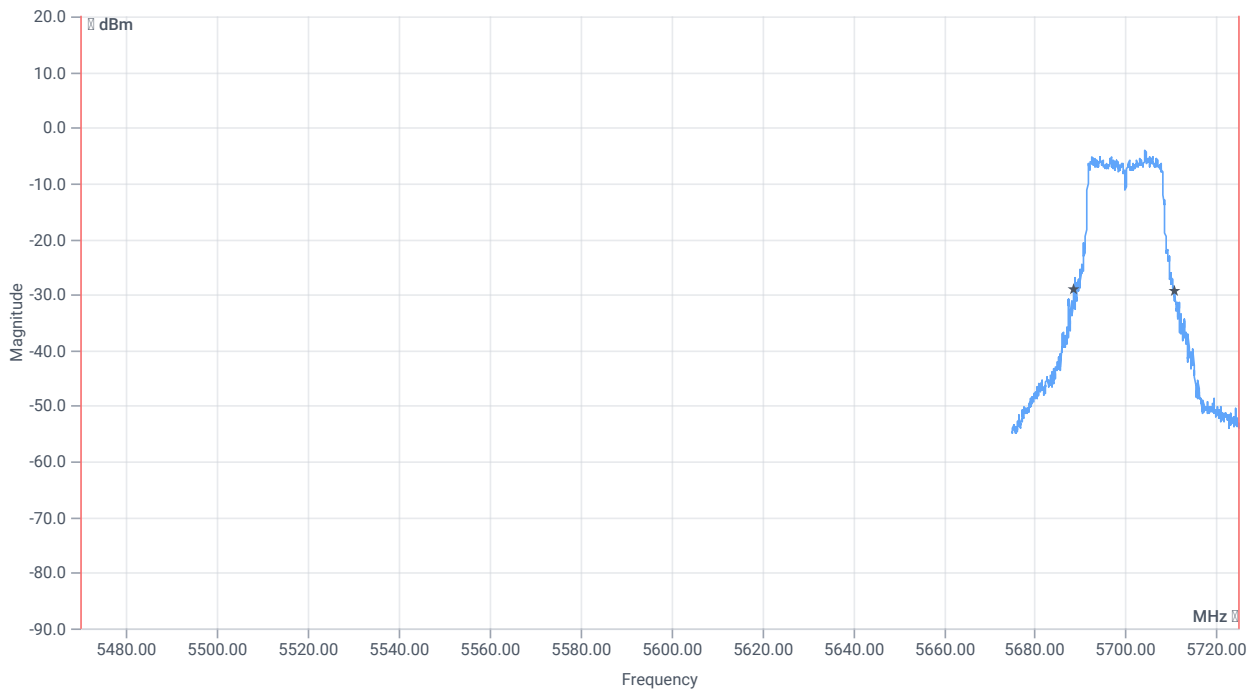
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5470.000000	--	5691.6583	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.4416	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5688.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5710.9000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-2C

References

TC start	14.05.2024 16:12:32
Ambit temp [°C] humidity [rel%]	28.4 38
System version	5.0.5.0
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-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

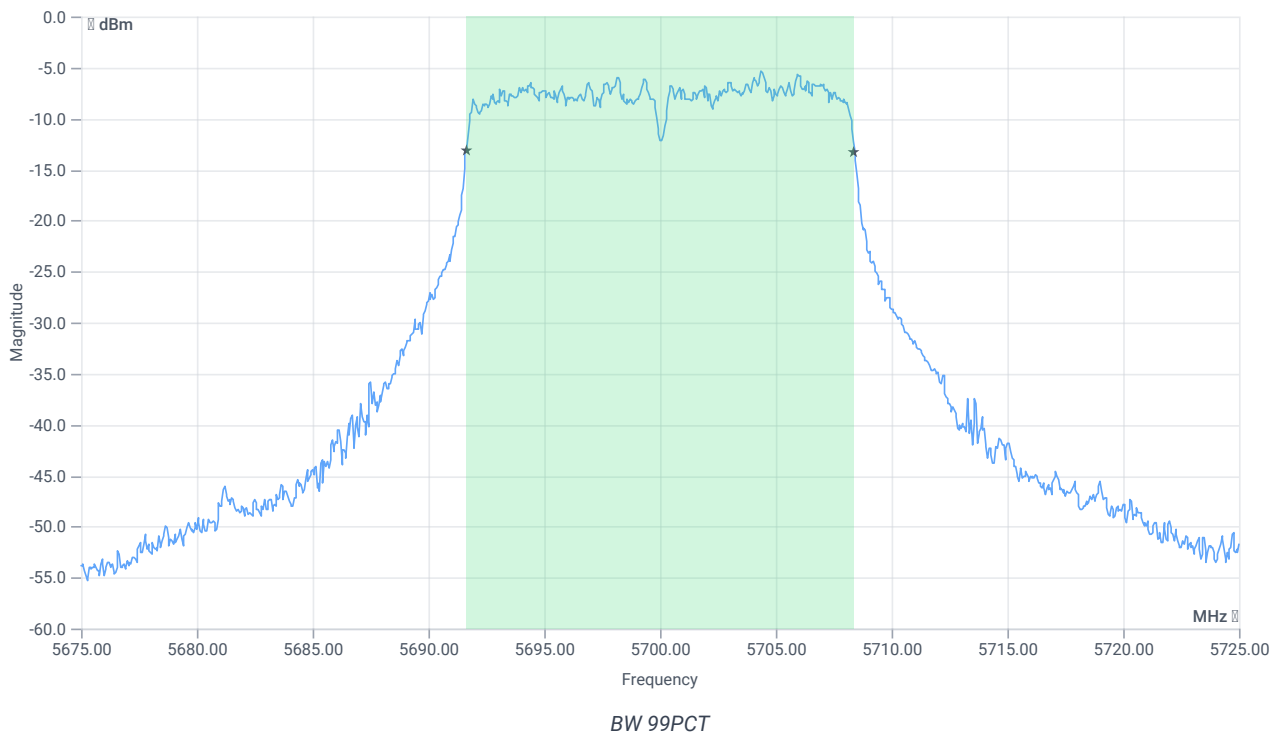
Test at TX 5700 MHz

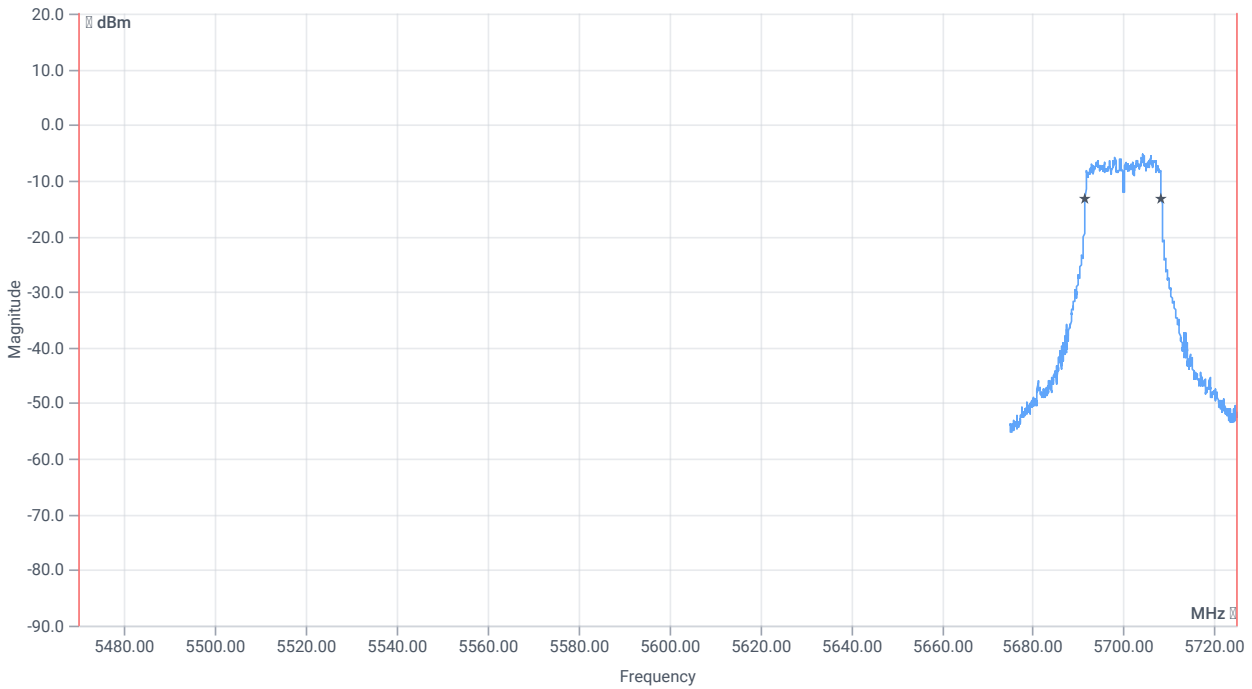
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.93	dBm	INFO
Ref. frequency	--	--	5694.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.07 13.43 10
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

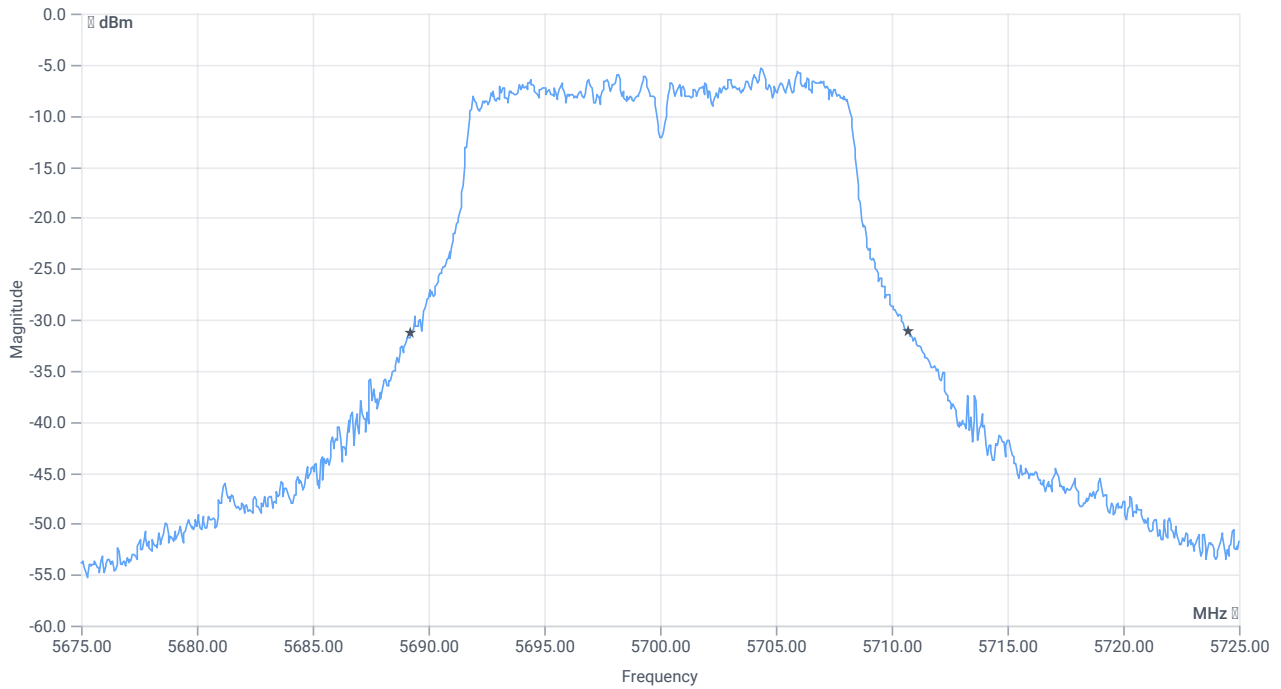




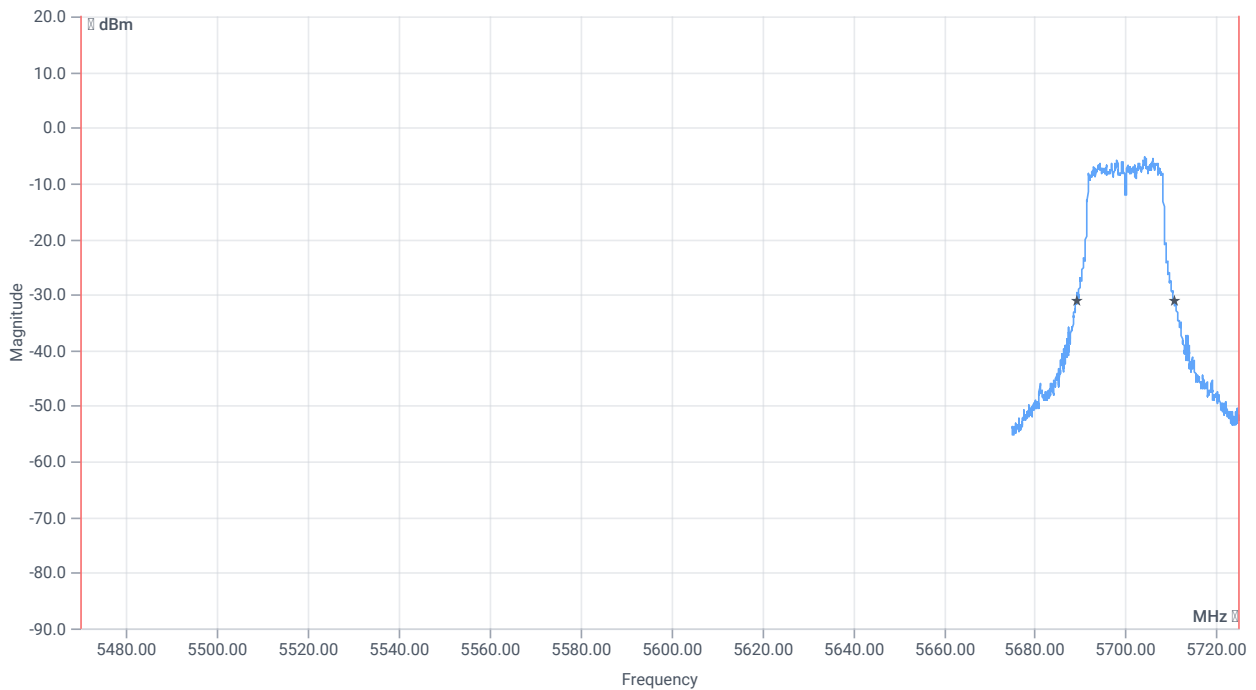
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5470.000000	--	5691.6583	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5708.3916	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.45	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5689.2500	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5710.7000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:34:00
Ambit temp [°C] humidity [rel%]	28.5 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

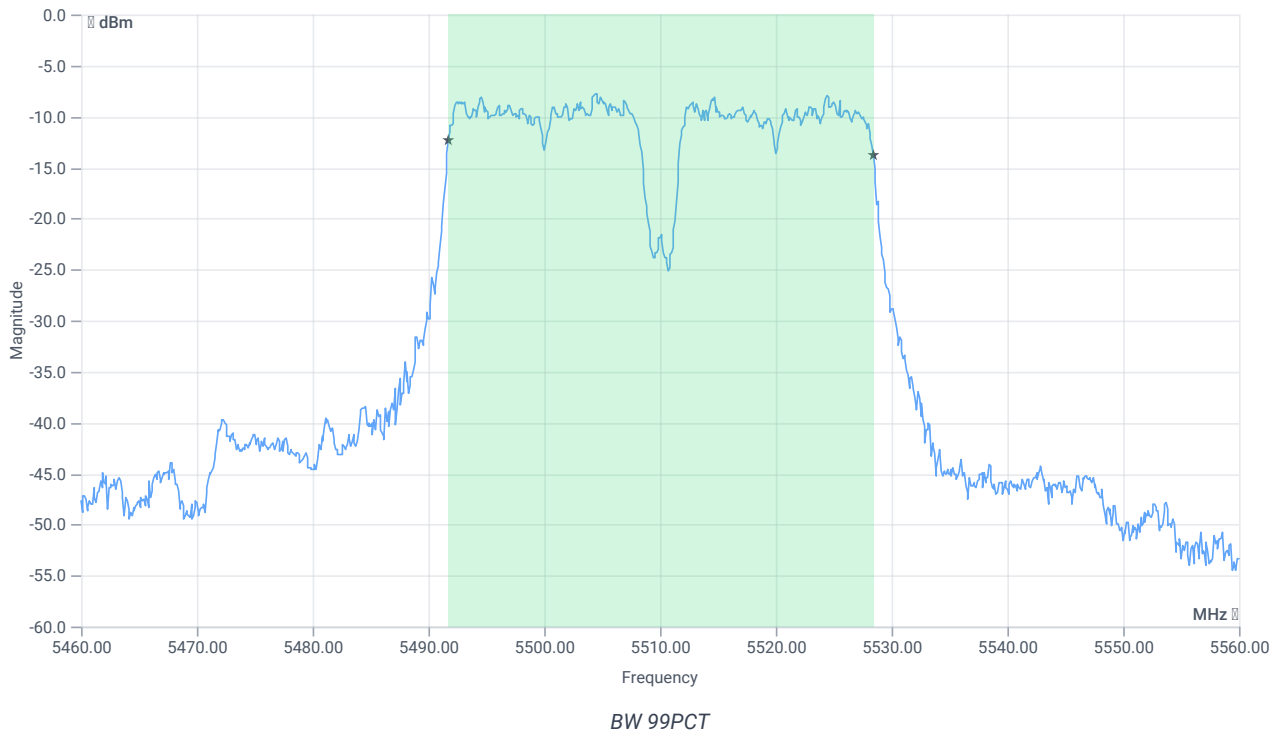
Test at TX 5510 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.83	dBm	INFO
Ref. frequency	--	--	5493.220	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.17 13.59 5
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

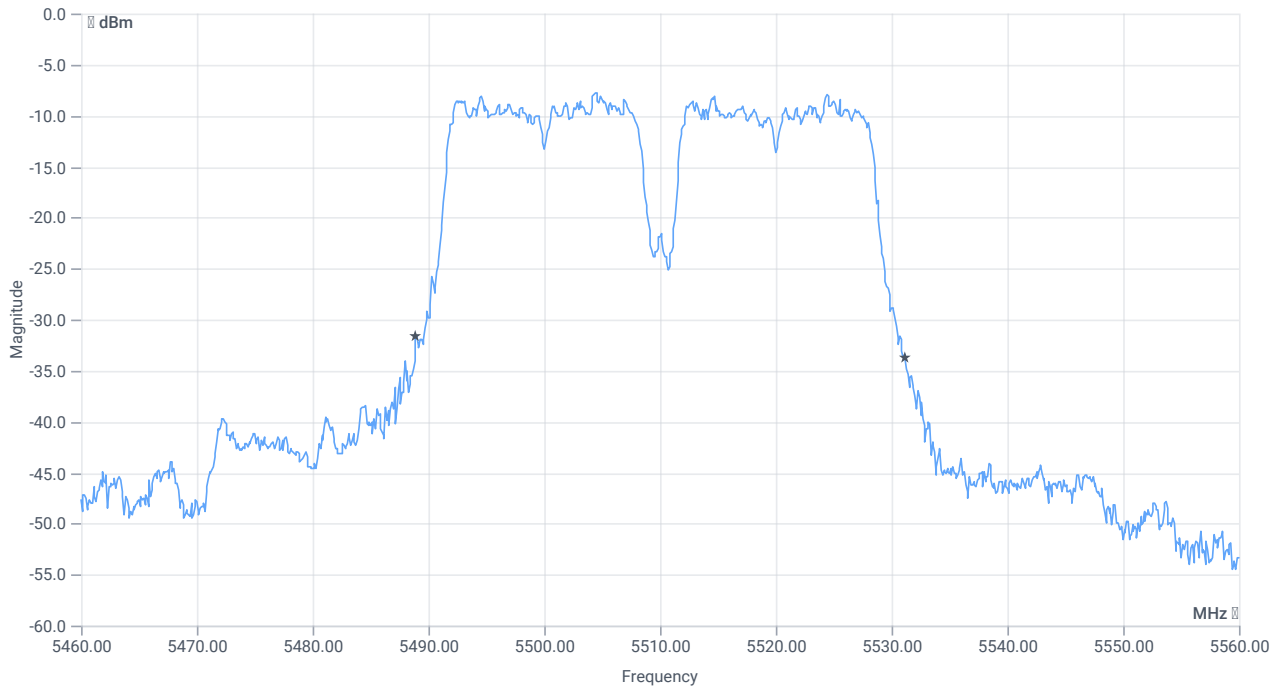




BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5470.000000	--	5491.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5528.3816	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5488.9000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5531.2000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:37:26
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

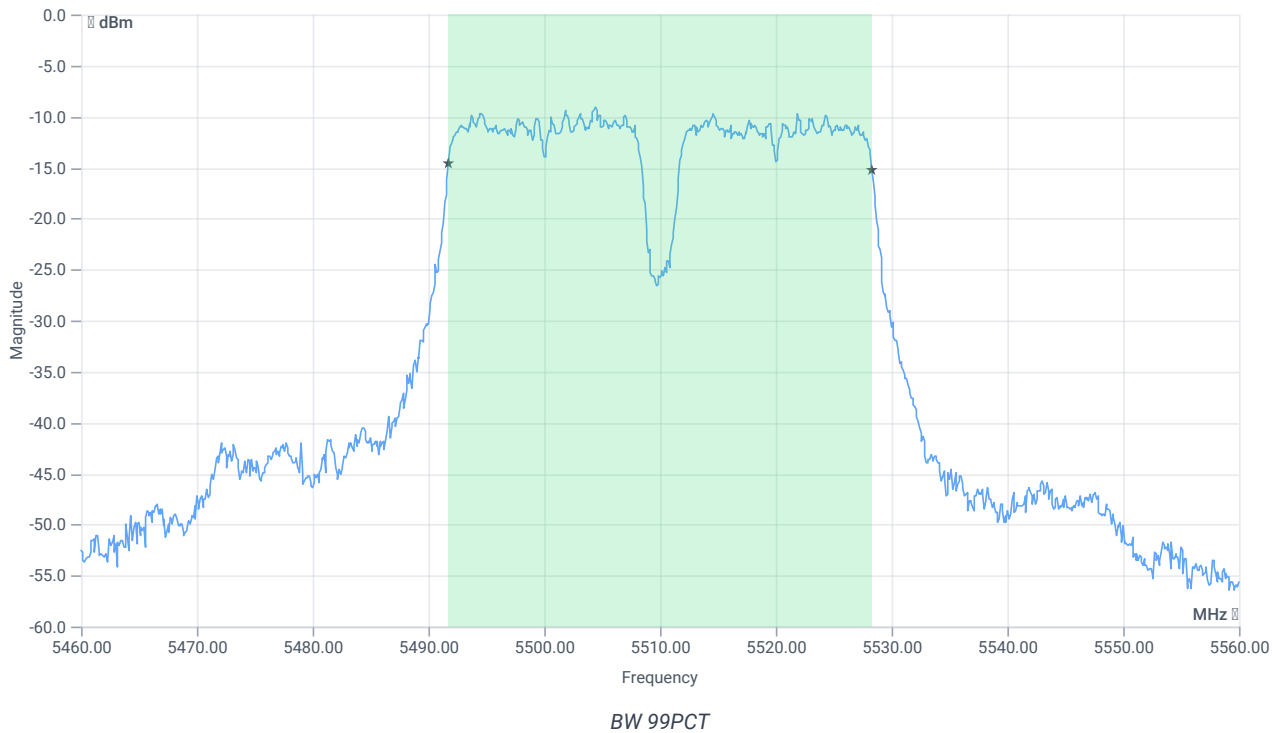
Test at TX 5510 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.00	dBm	INFO
Ref. frequency	--	--	5505.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.00 13.47 5
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

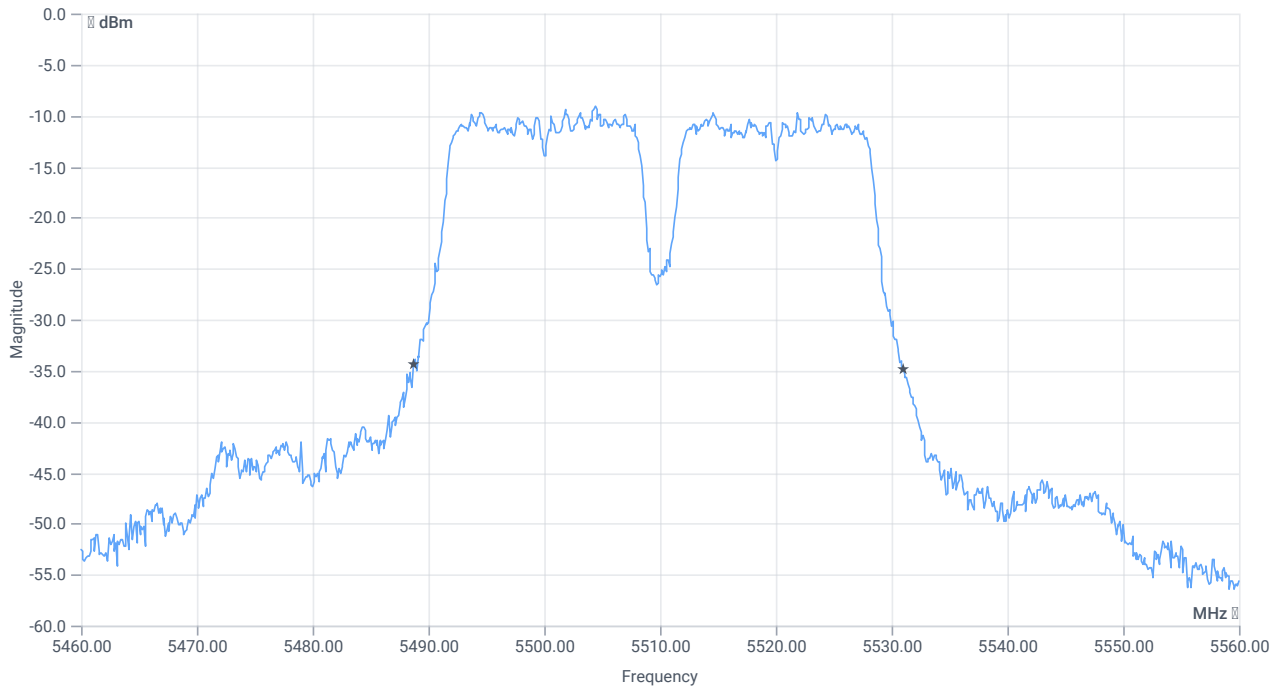




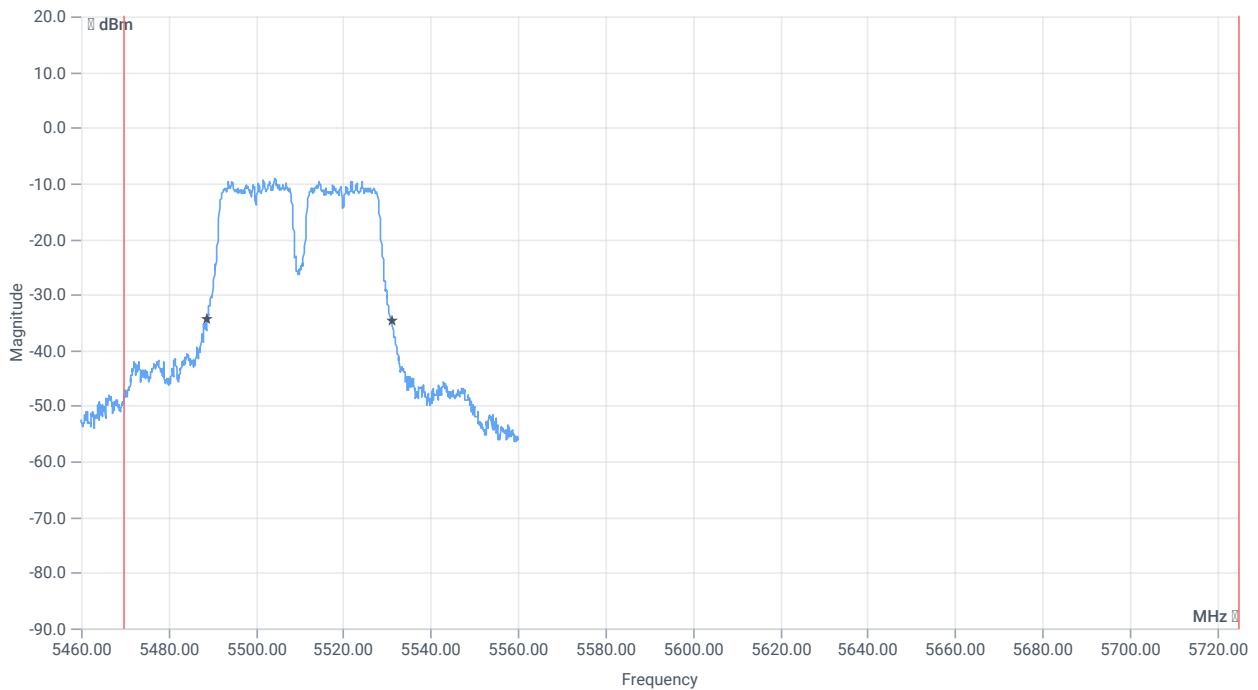
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.563	MHz	INFO
T1 99%	5470.000000	--	5491.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5528.2817	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5488.7000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5531.0000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:45:04
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

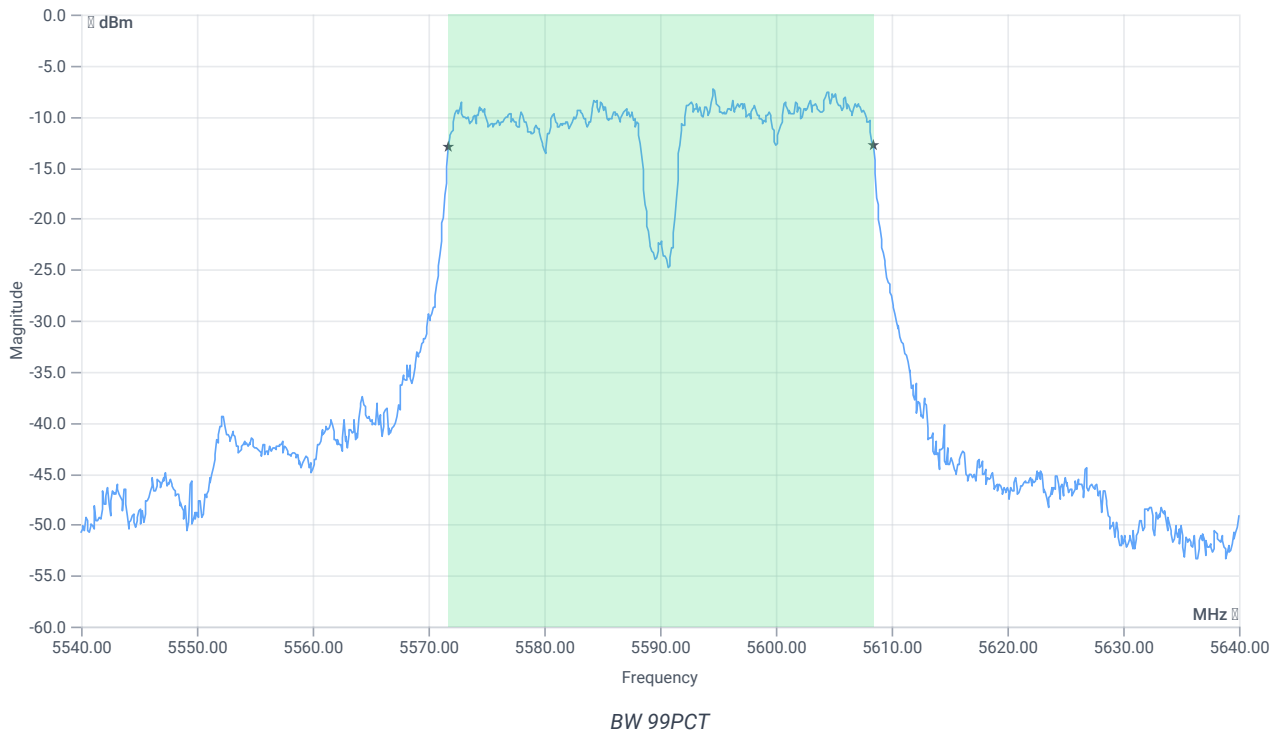
Test at TX 5590 MHz

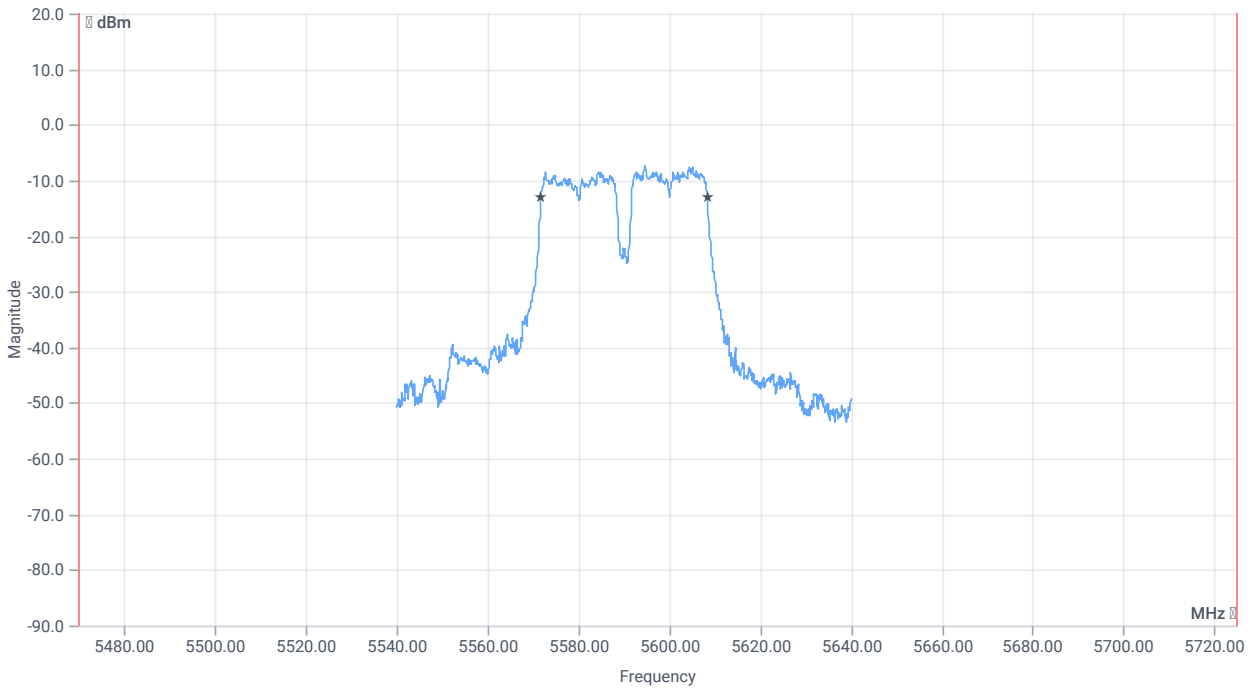
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.61	dBm	INFO
Ref. frequency	--	--	5595.990	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.39 13.8 5
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

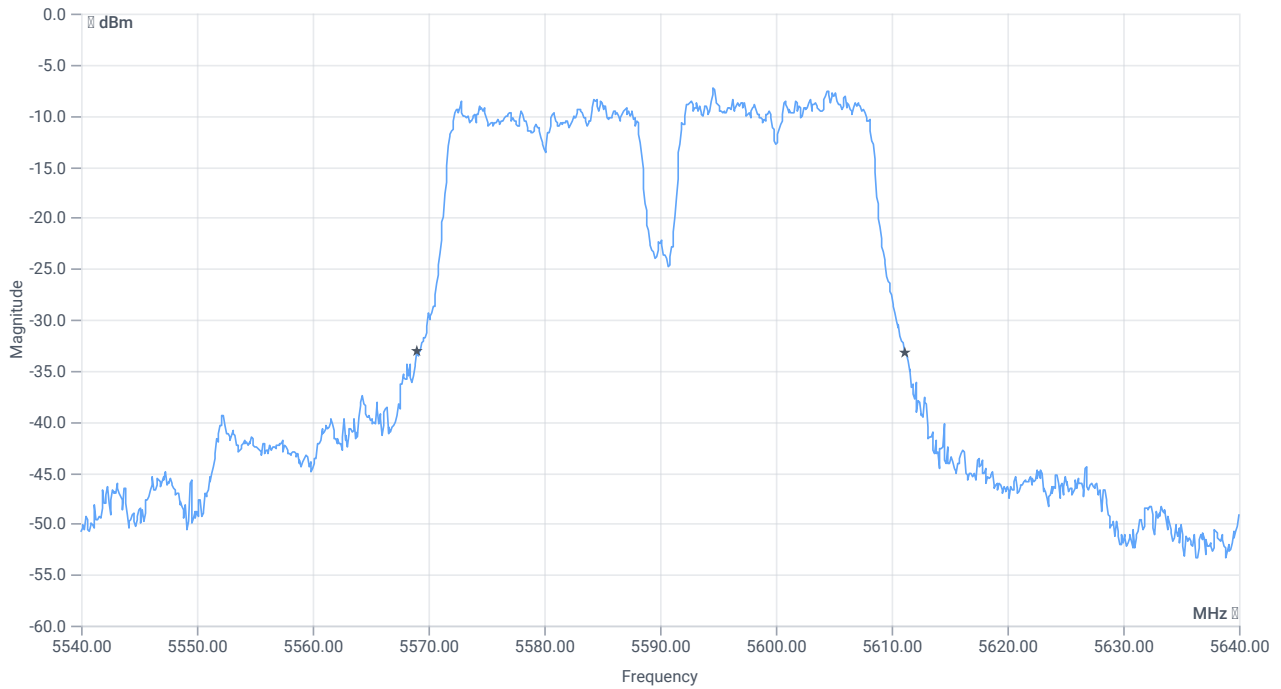




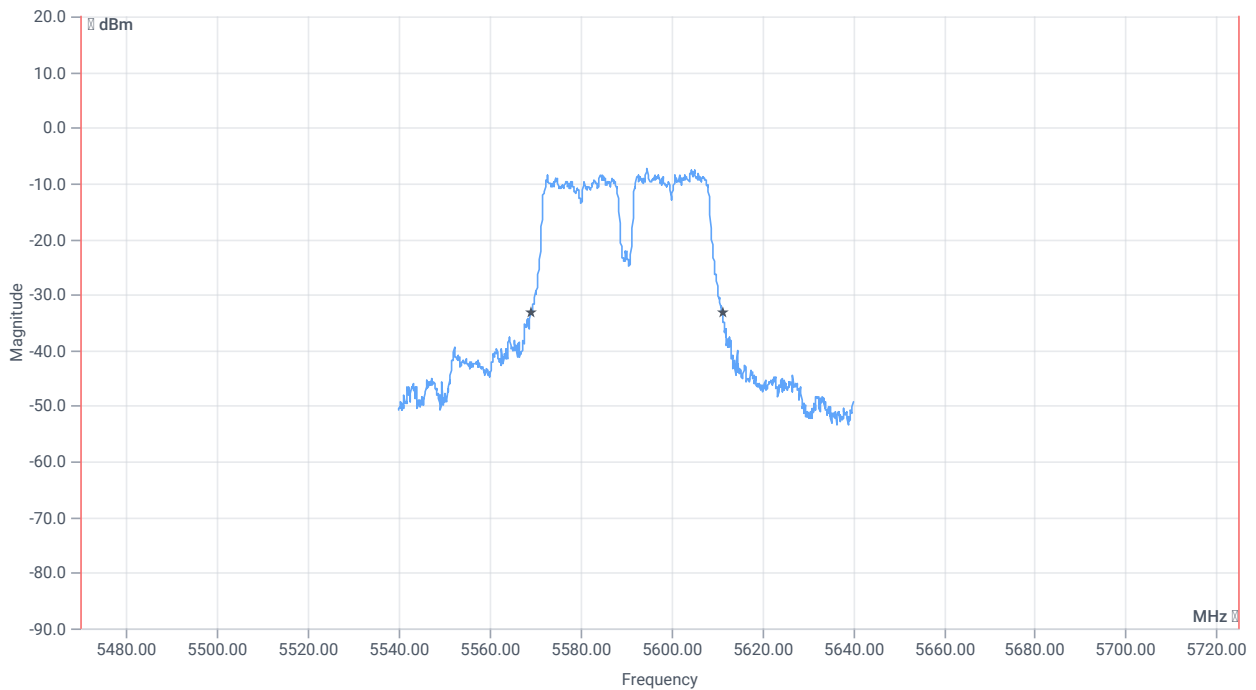
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5470.000000	--	5571.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.3816	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.2	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5569.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5611.2000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:48:29
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

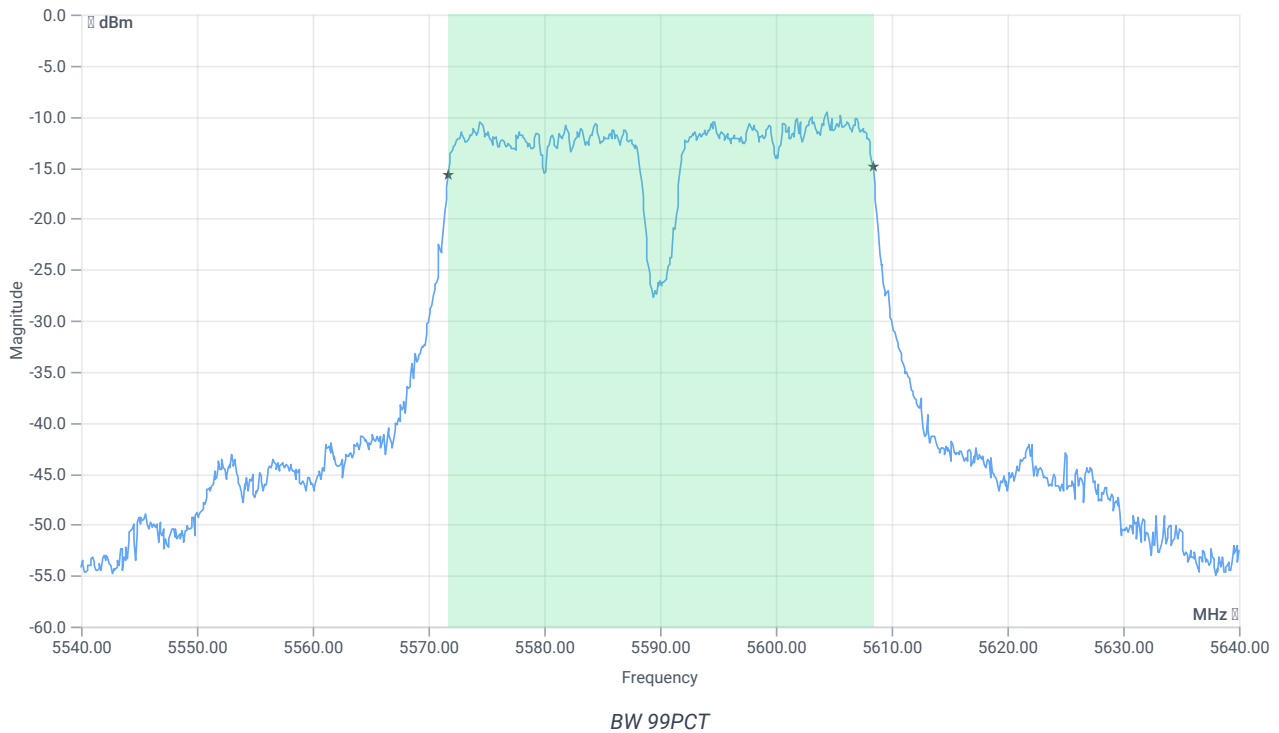
Test at TX 5590 MHz

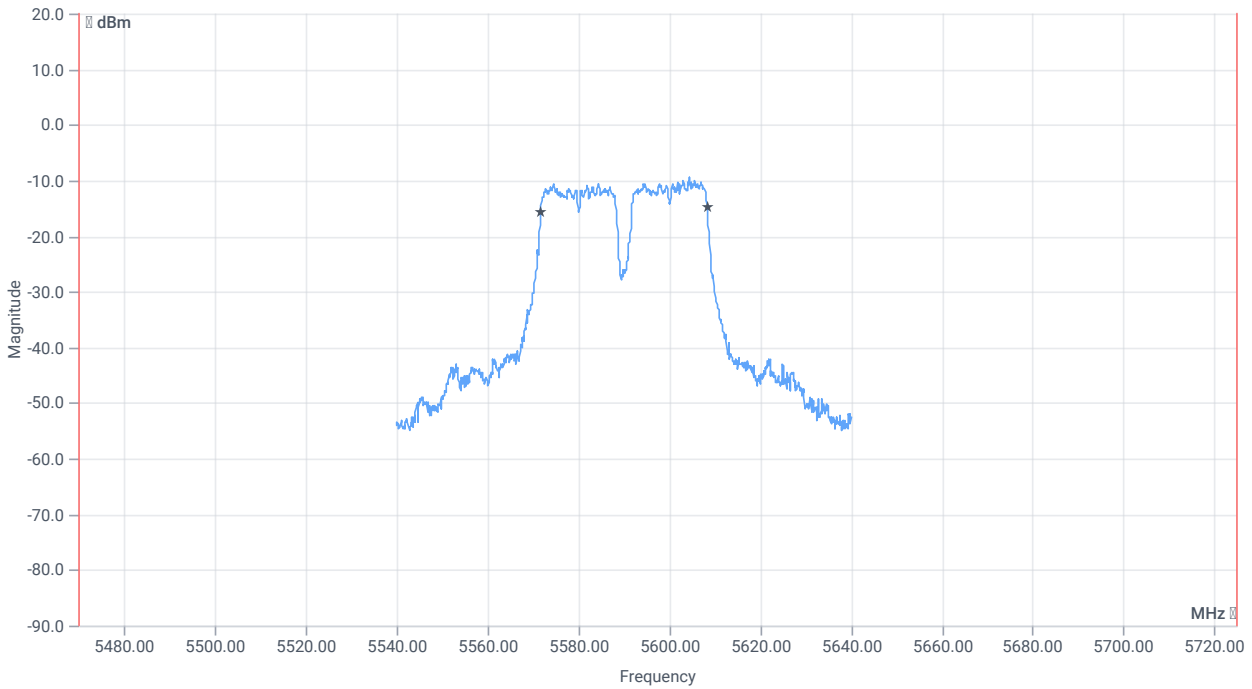
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.18	dBm	INFO
Ref. frequency	--	--	5603.190	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.82 13.51 5
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

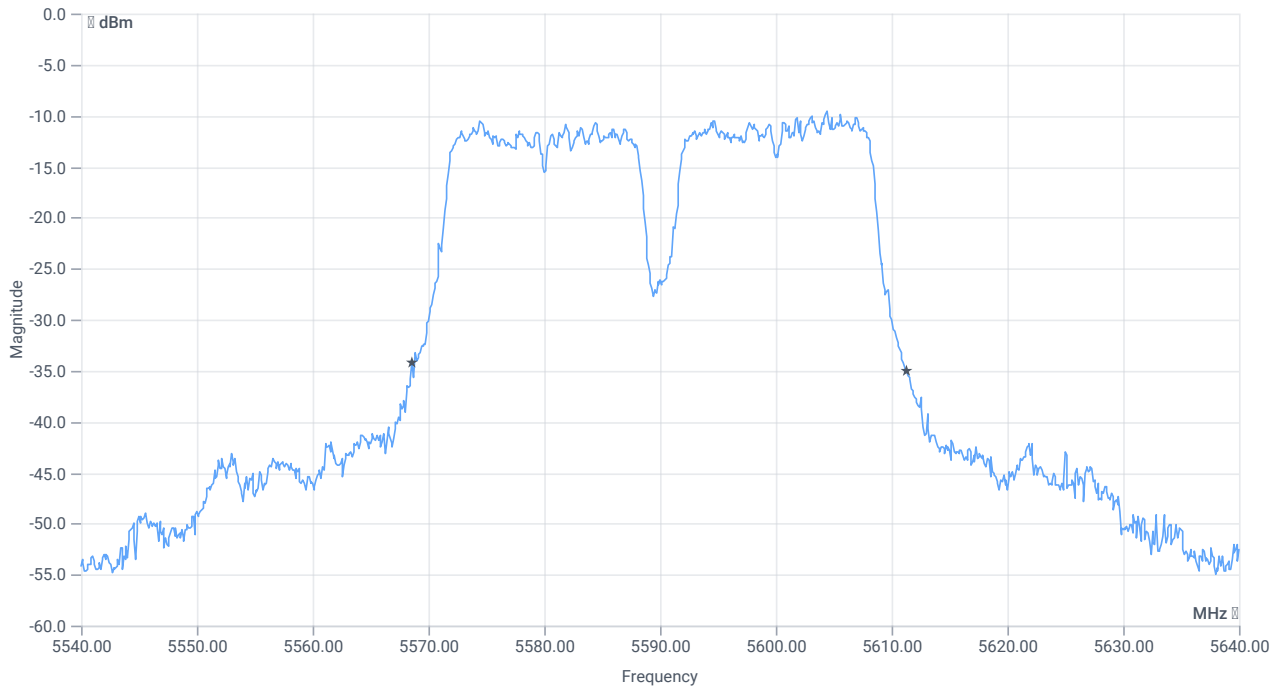




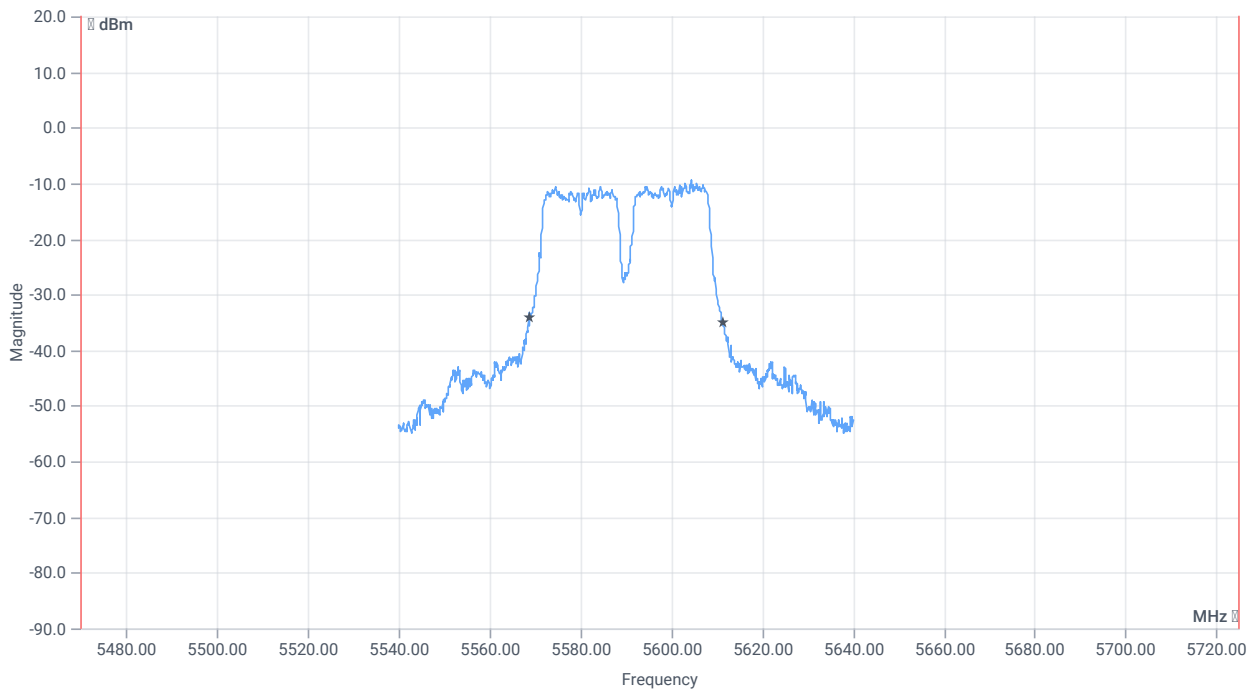
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5470.000000	--	5571.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5608.3816	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.7	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5568.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5611.3000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:52:30
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

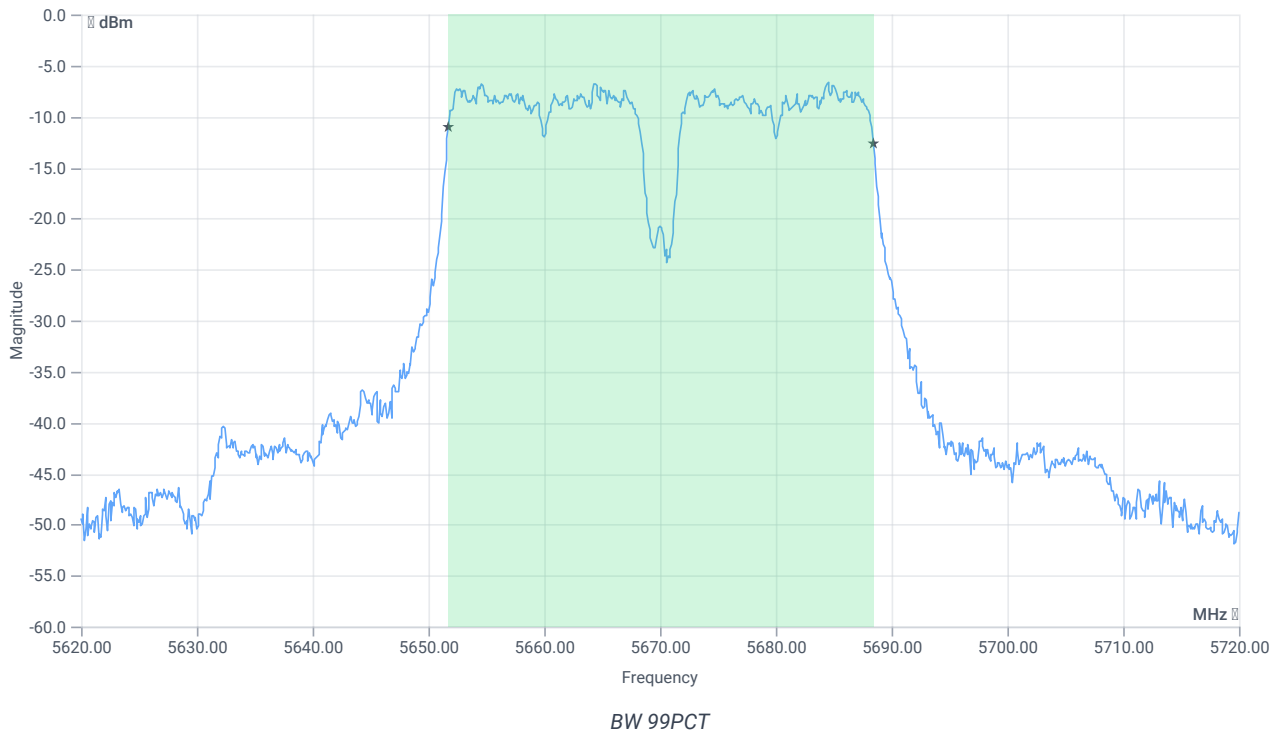
Test at TX 5670 MHz

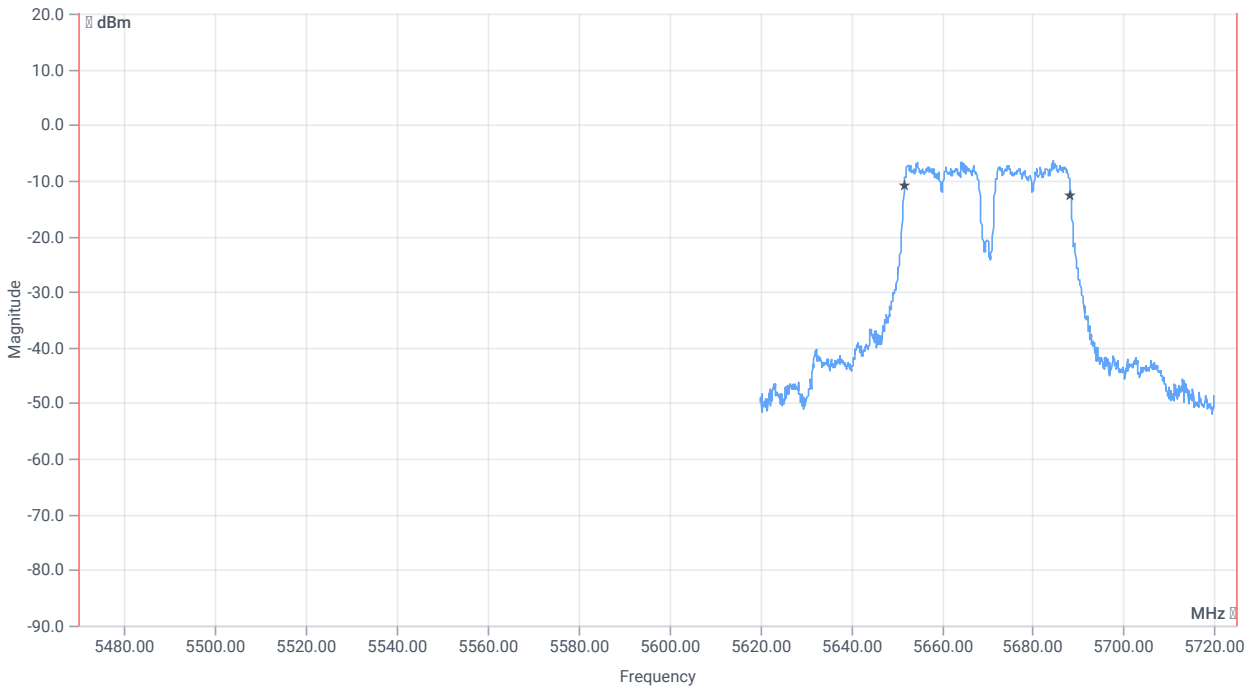
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.30	dBm	INFO
Ref. frequency	--	--	5677.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.70 13.51 10
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

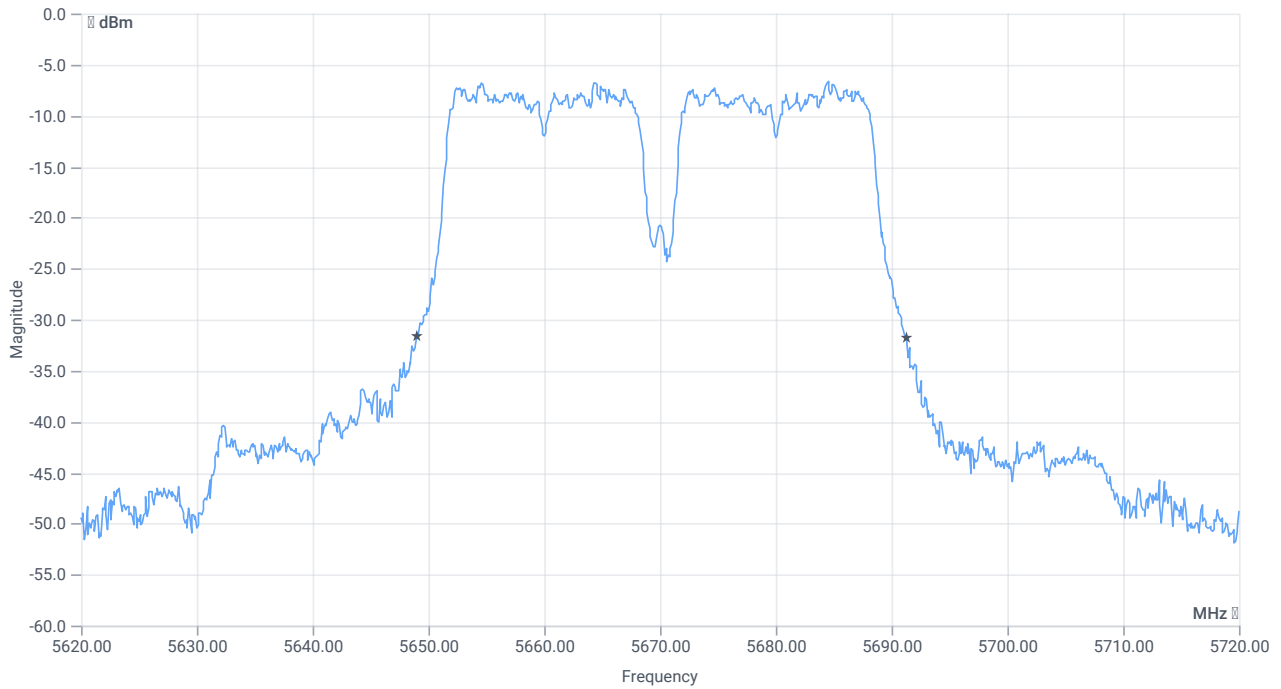




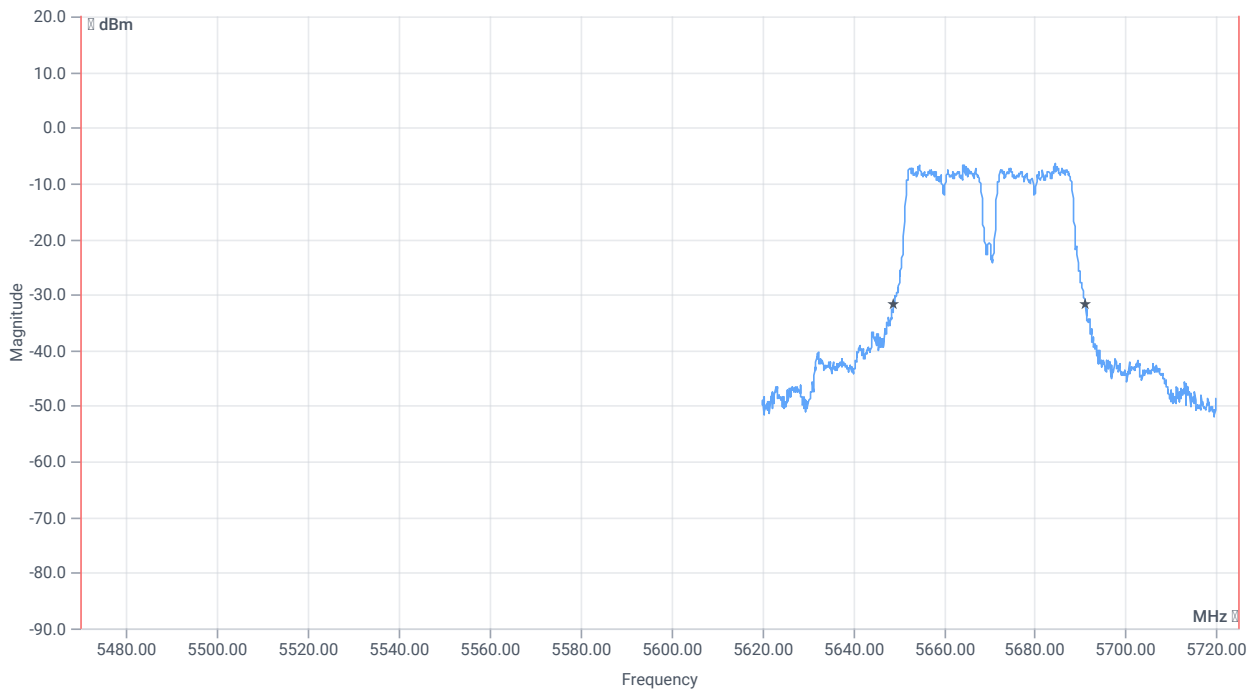
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5470.000000	--	5651.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5688.3816	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.3	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5649.0000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5691.3000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 16:55:56
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

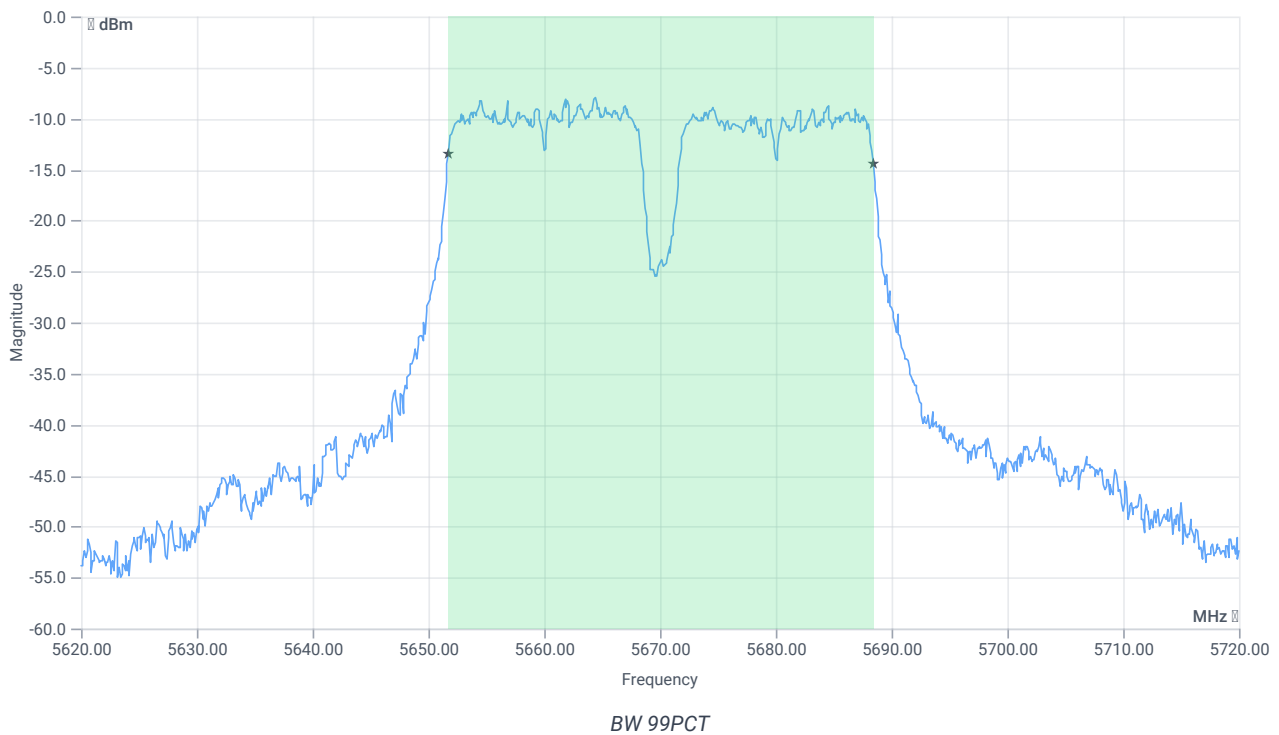
Test at TX 5670 MHz

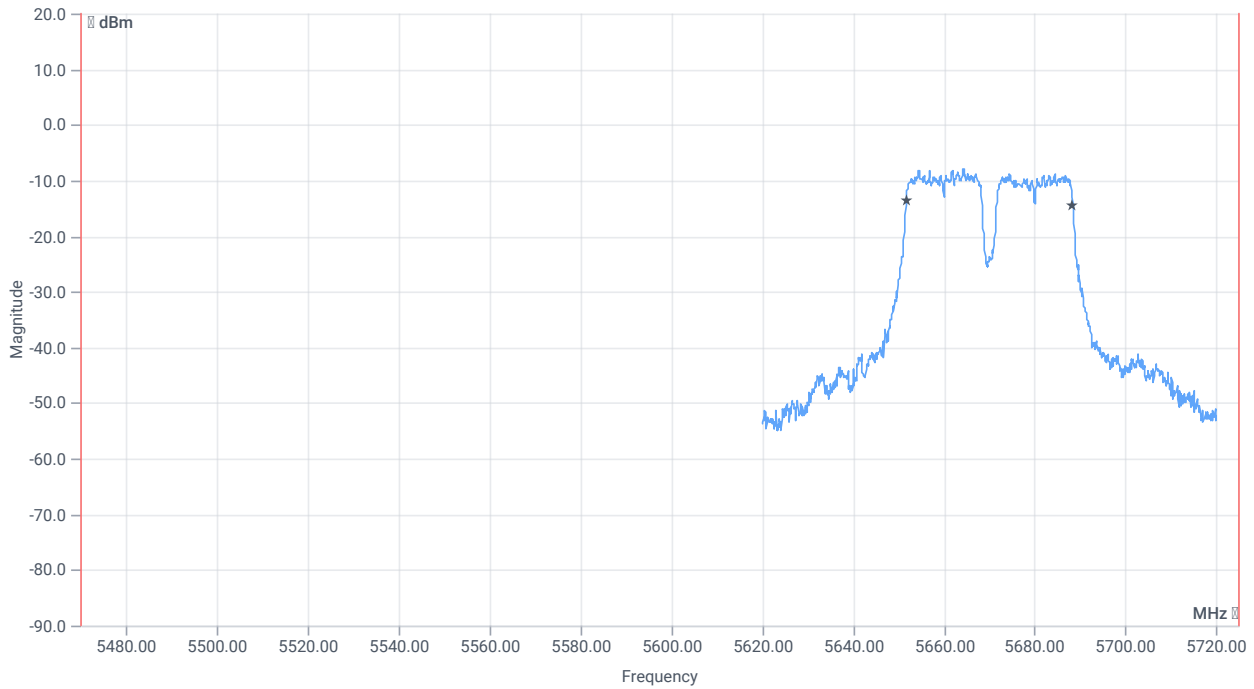
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.10	dBm	INFO
Ref. frequency	--	--	5652.620	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.90 13.38 5
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

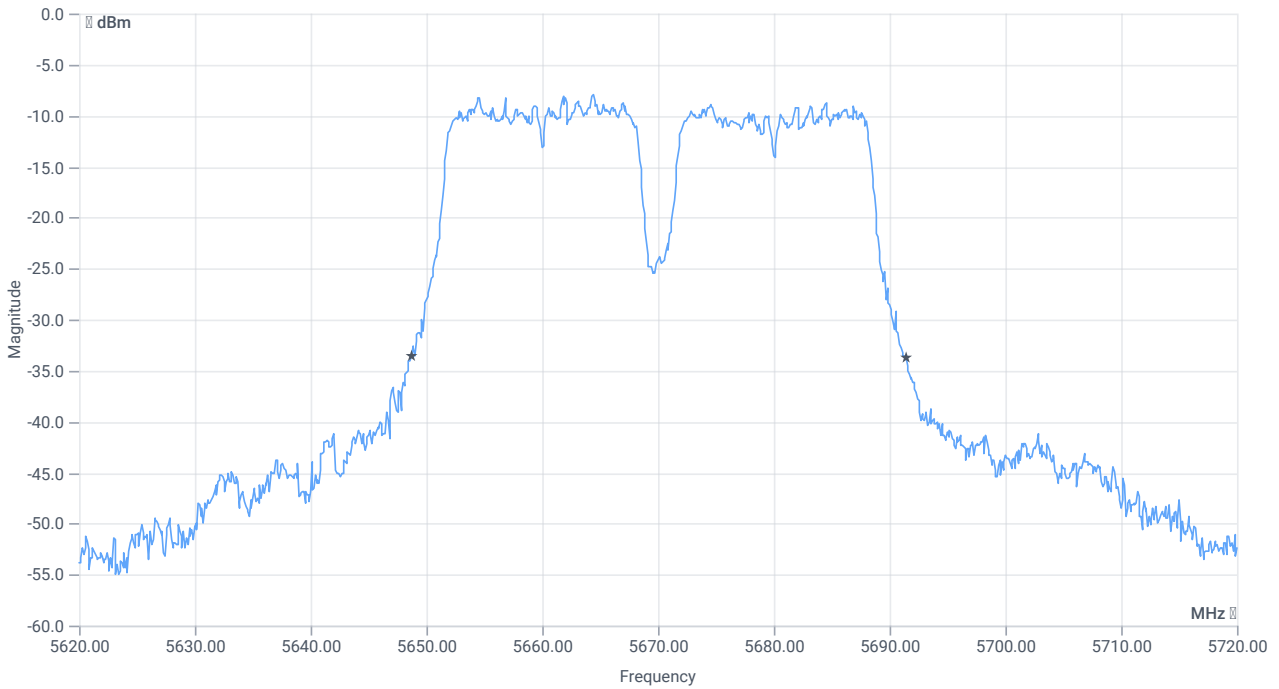




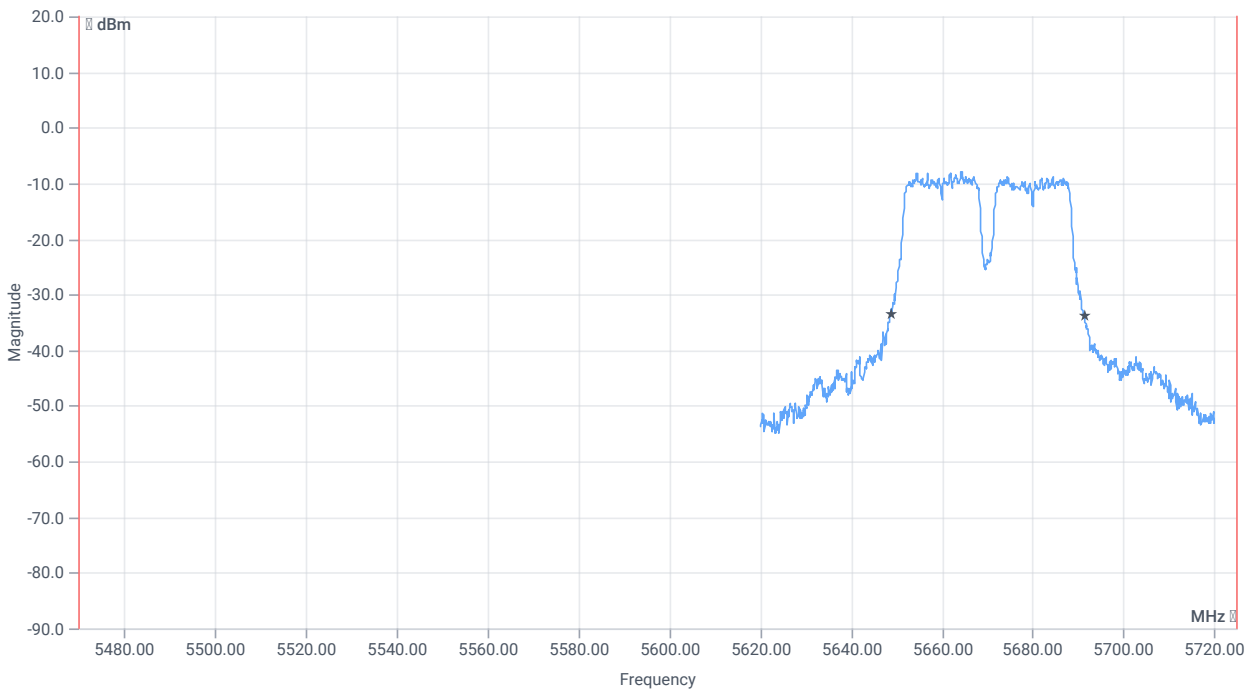
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5470.000000	--	5651.7183	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5688.3816	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.7	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5648.7000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5691.4000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	14.05.2024 17:18:47
Ambit temp [°C] humidity [rel%]	28.7 38
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5530
Frequency mid to test	False Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

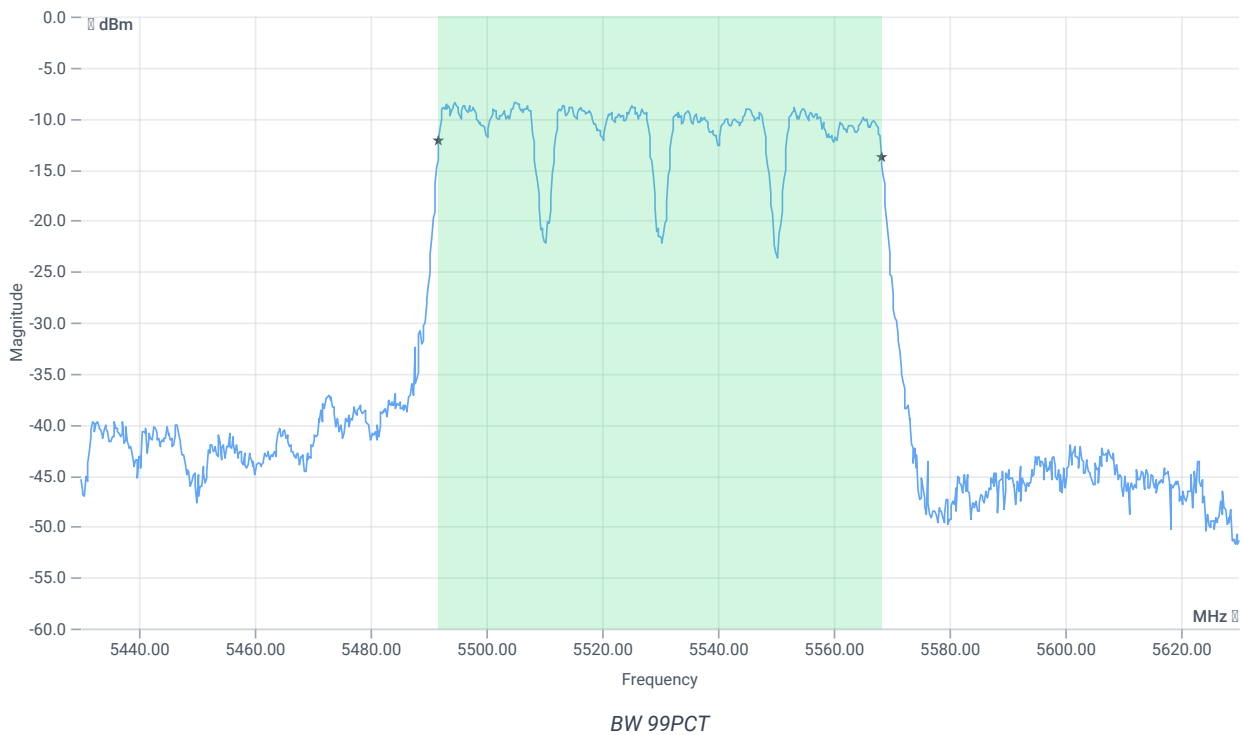
Test at TX 5530 MHz

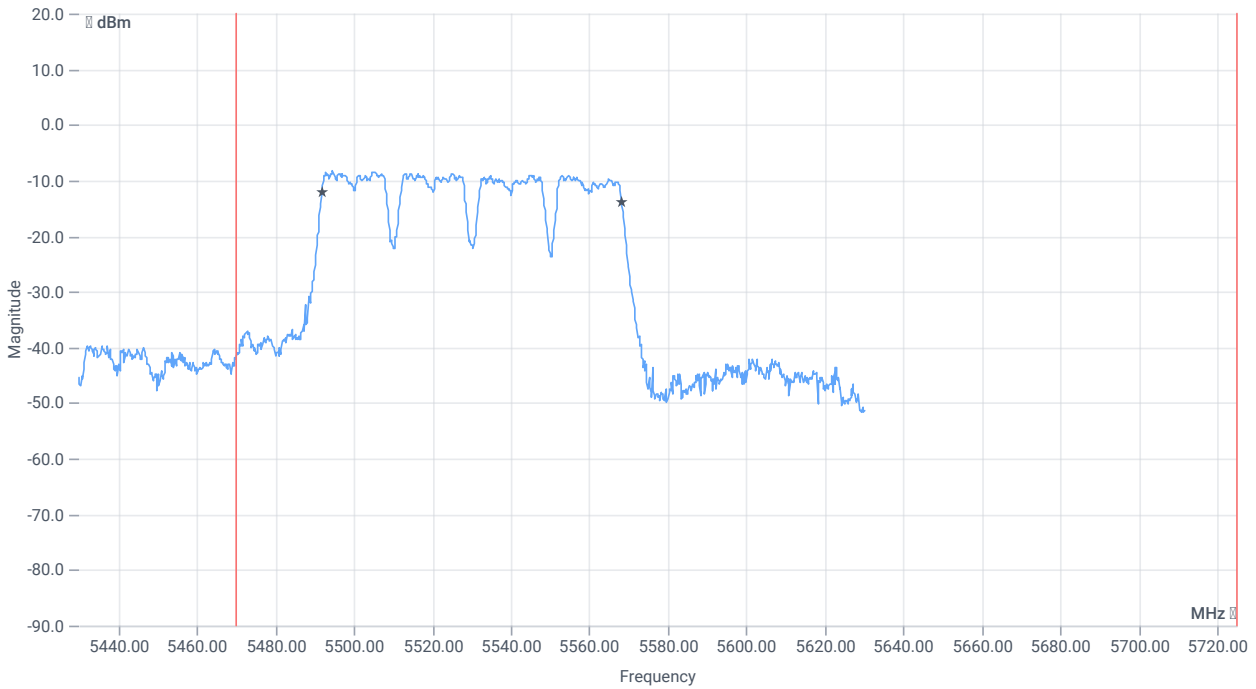
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-9.33	dBm	INFO
Ref. frequency	--	--	5521.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.33 13.68 0
Start [MHz] Stop [MHz]	5430.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

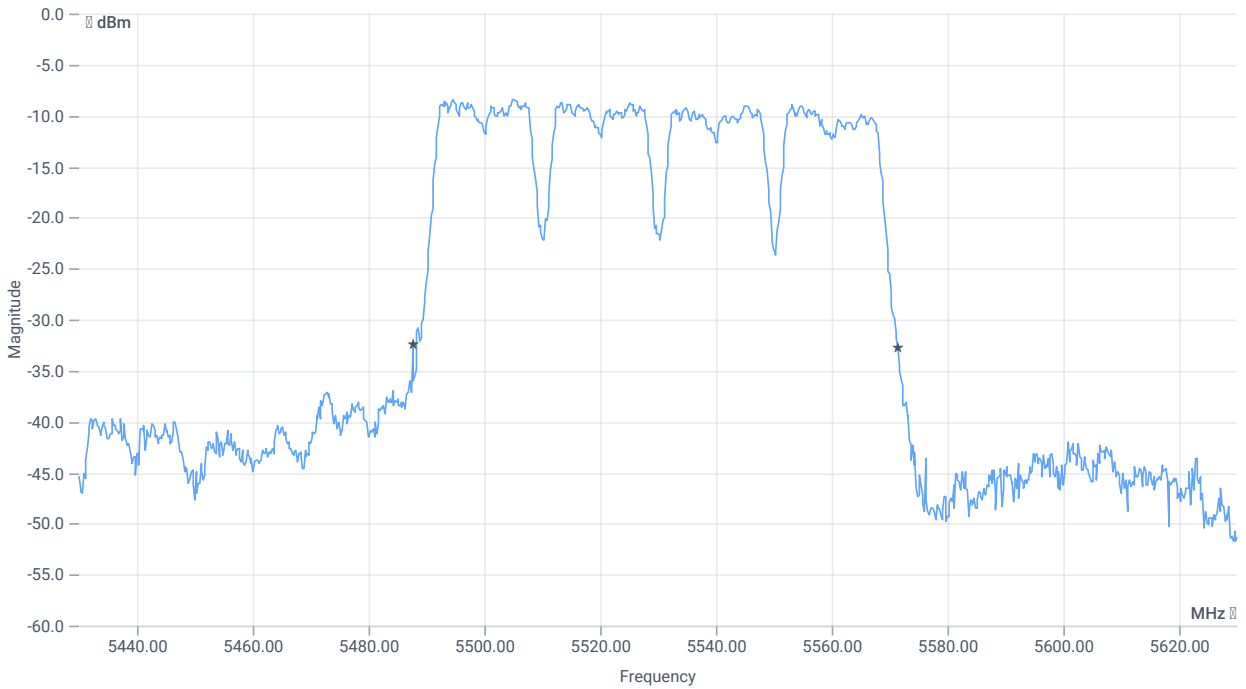




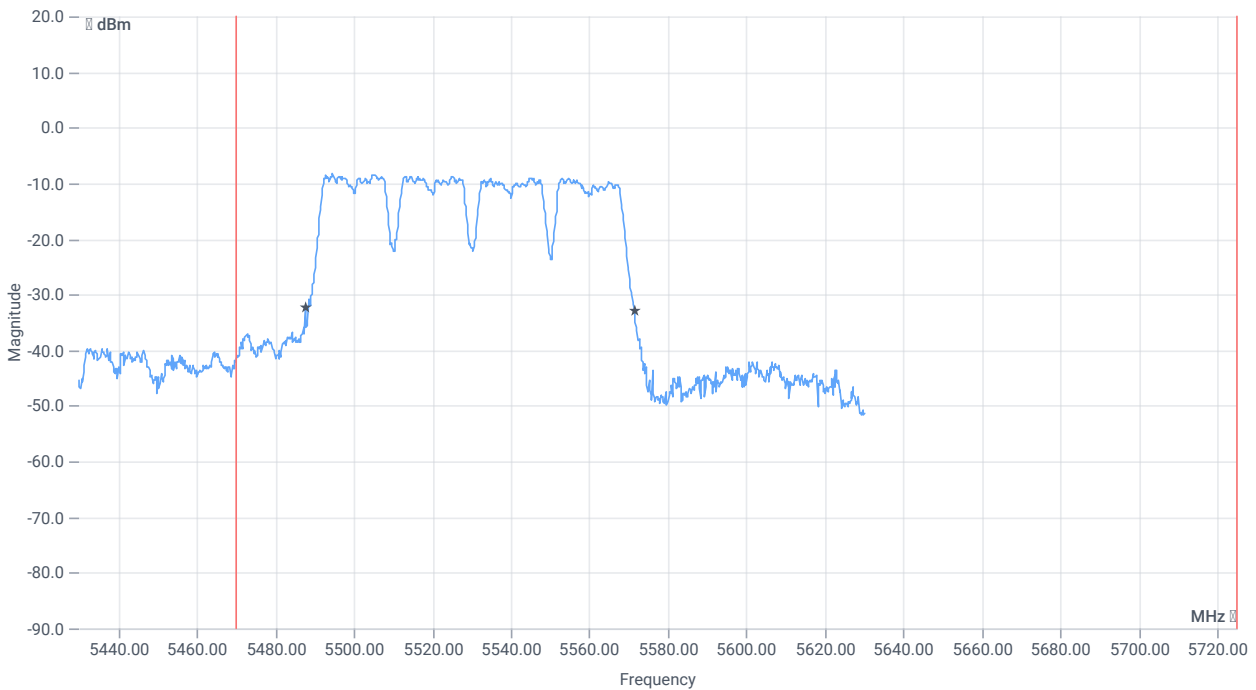
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5470.000000	--	5491.8382	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5568.1618	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.8	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5487.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5571.4000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	14.05.2024 17:24:20
Ambit temp [°C] humidity [rel%]	28.8 38
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5530
Frequency mid to test	False Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

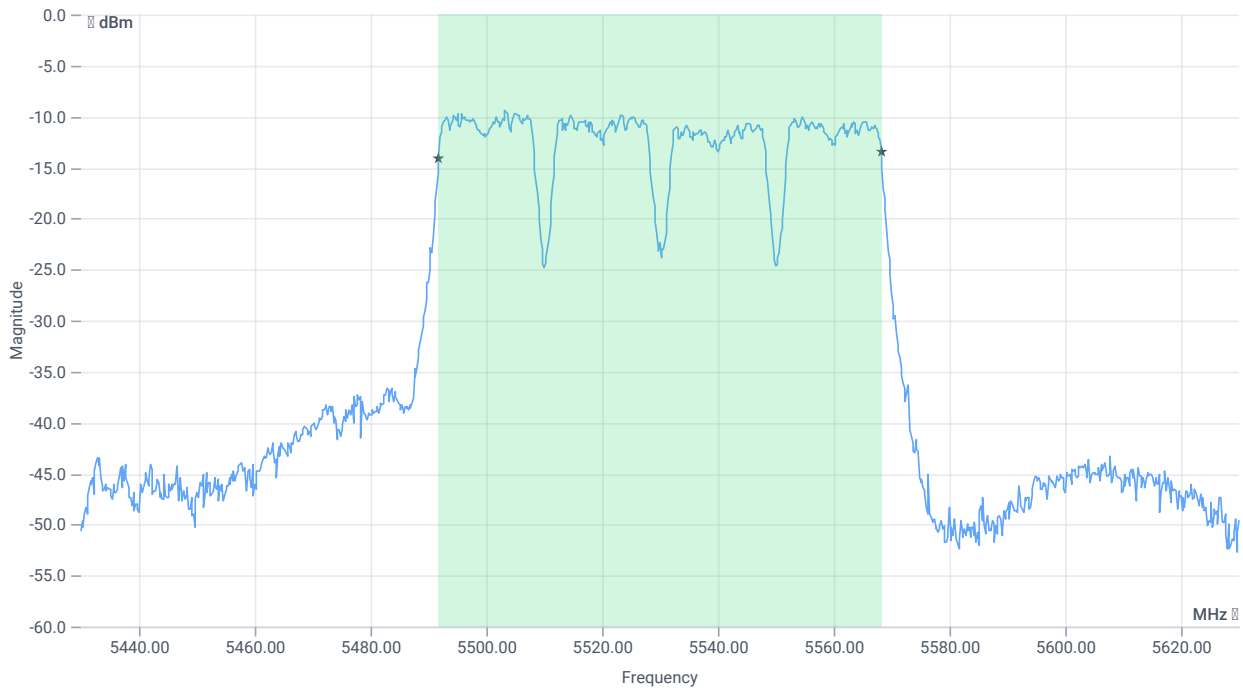
Test at TX 5530 MHz

RESULT: Reference power cond.

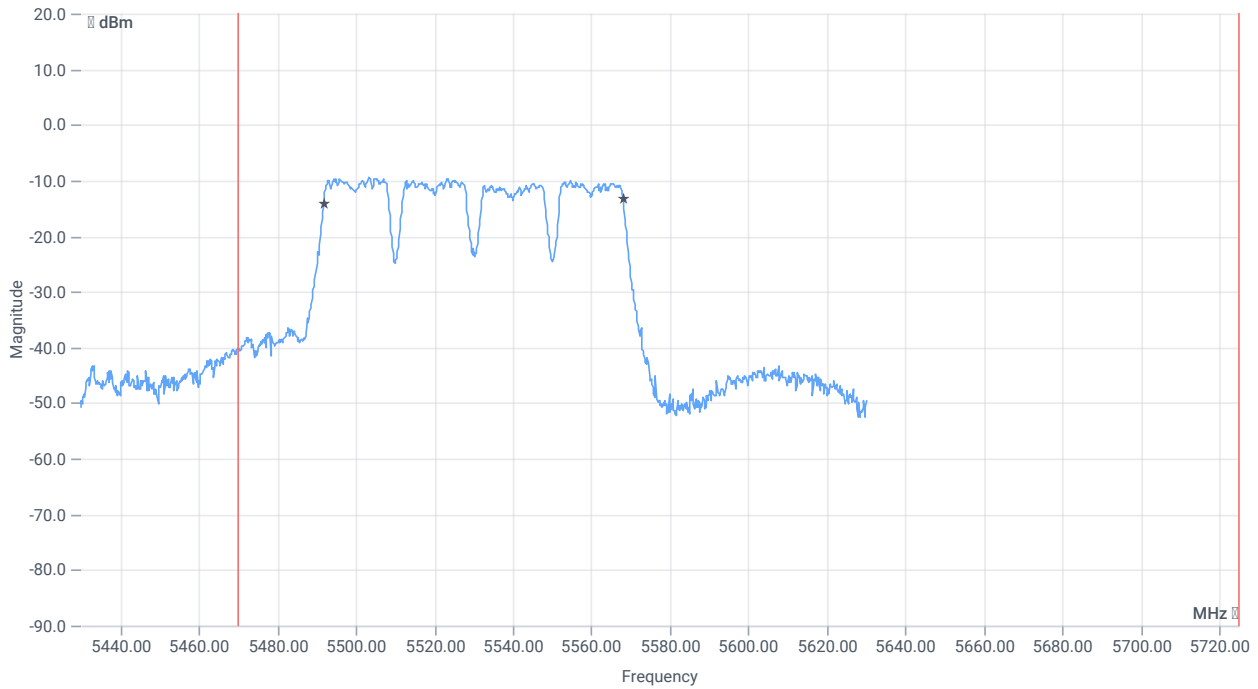
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-9.42	dBm	INFO
Ref. frequency	--	--	5505.420	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.42 13.58 0
Start [MHz] Stop [MHz]	5430.000 5630.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE



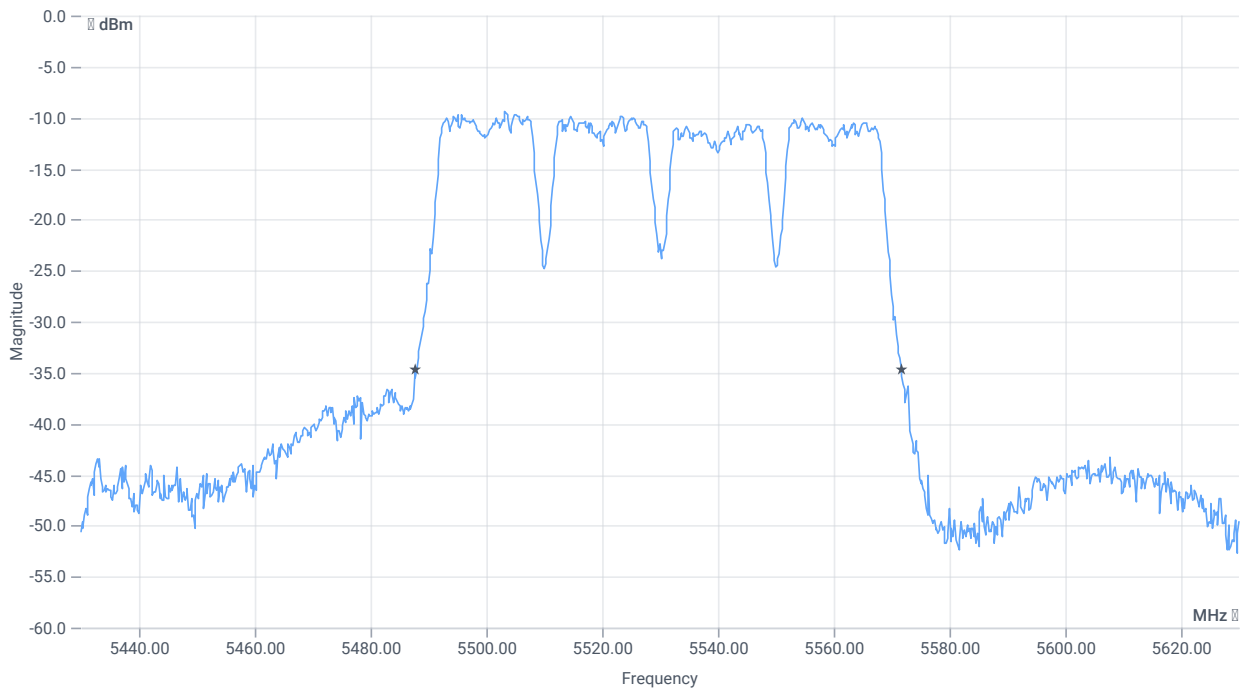
BW 99PCT



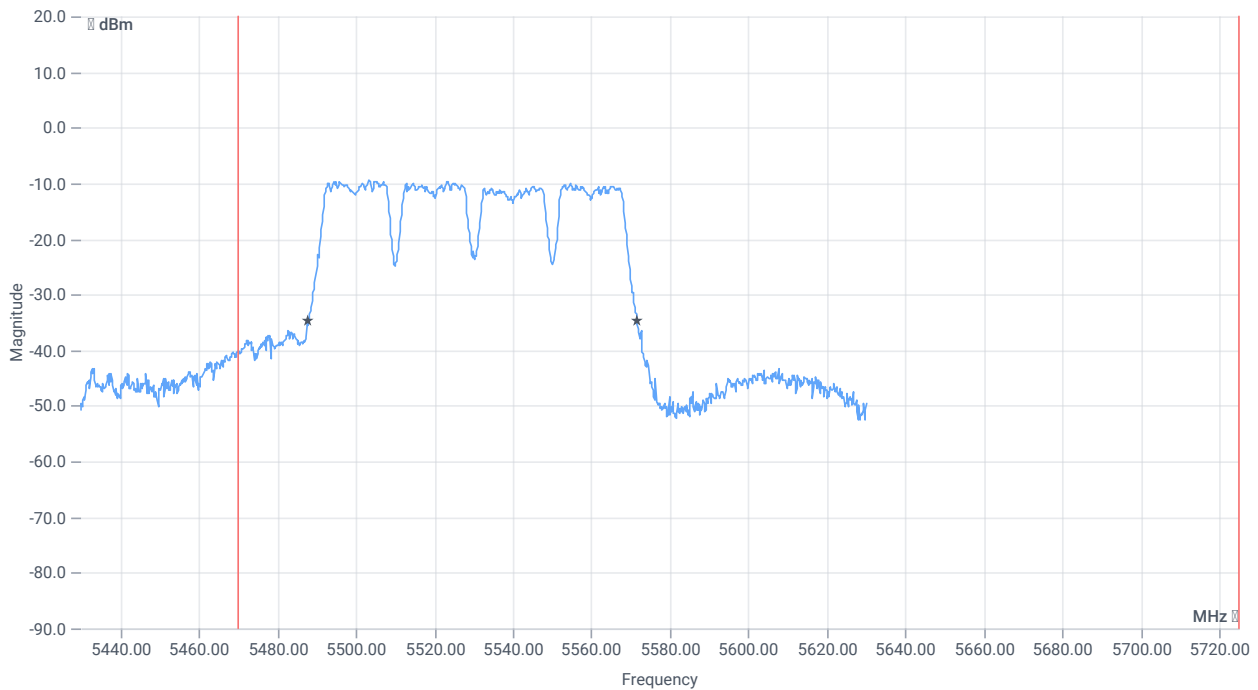
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5470.000000	--	5491.8382	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5568.1618	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5487.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5571.6000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	14.05.2024 17:30:32
Ambit temp [°C] humidity [rel%]	28.8 38
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5530
Frequency mid to test	True Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

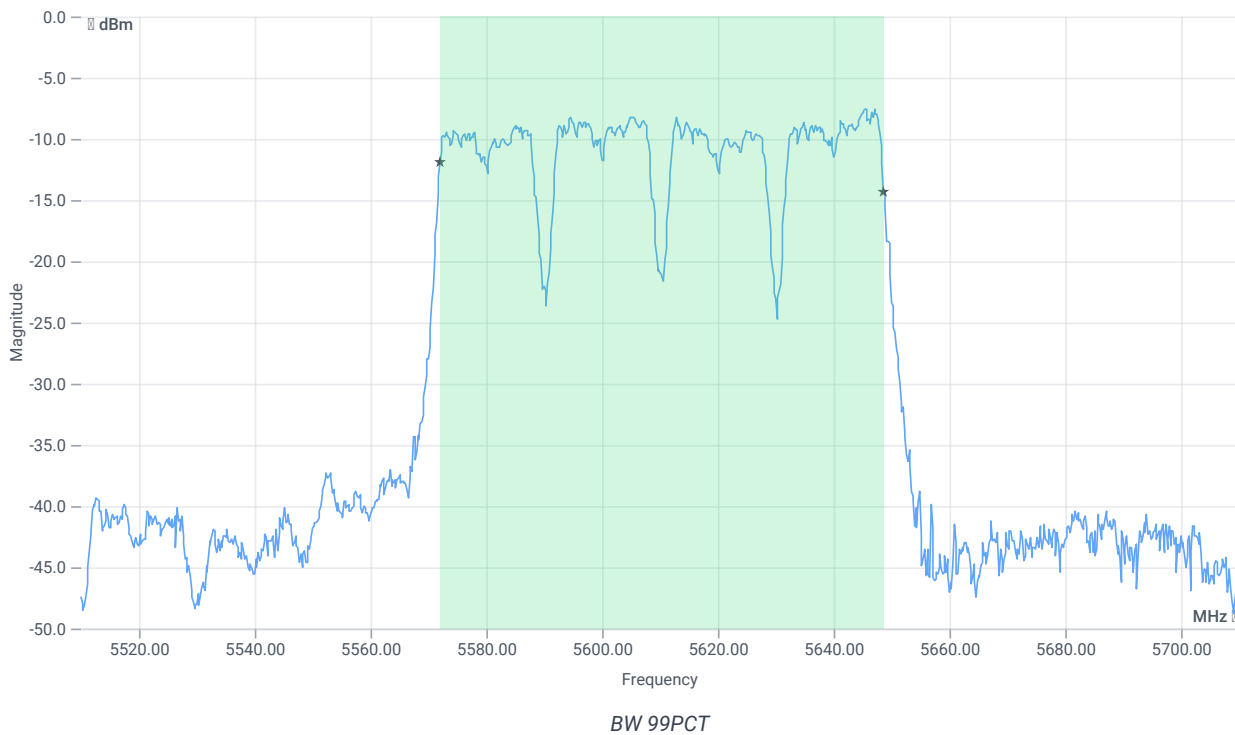
Test at TX 5610 MHz

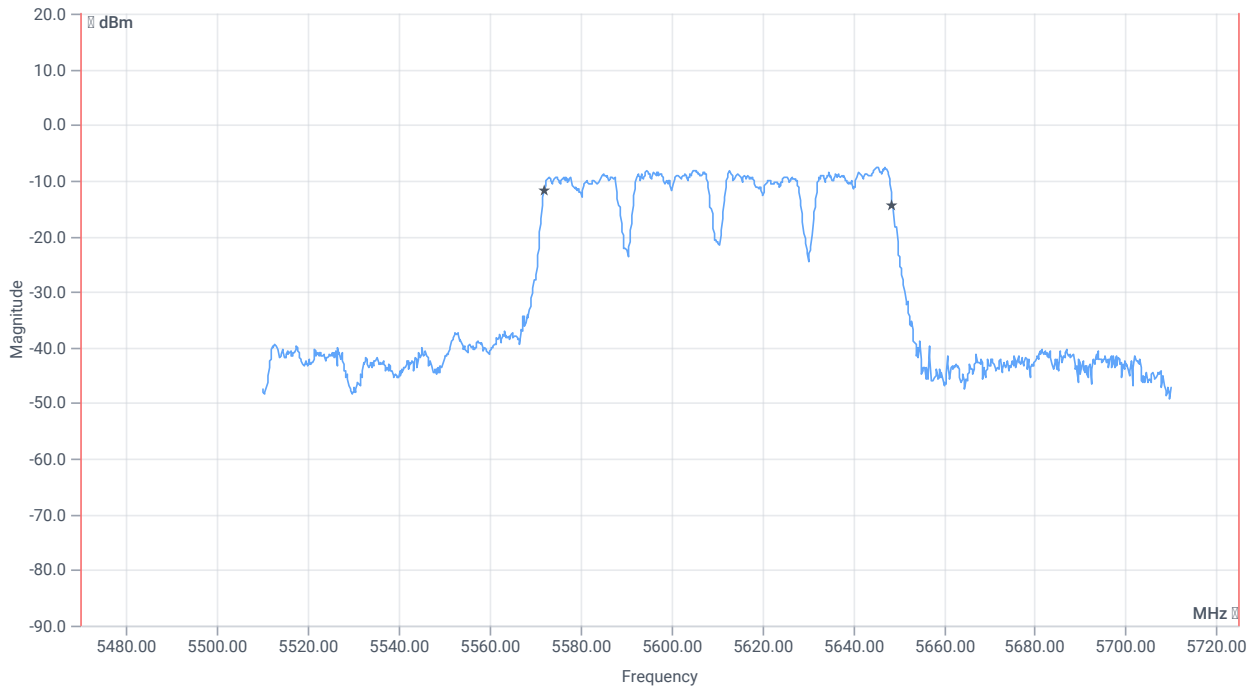
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-8.56	dBm	INFO
Ref. frequency	--	--	5604.410	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-0.56 13.74 5
Start [MHz] Stop [MHz]	5510.000 5710.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

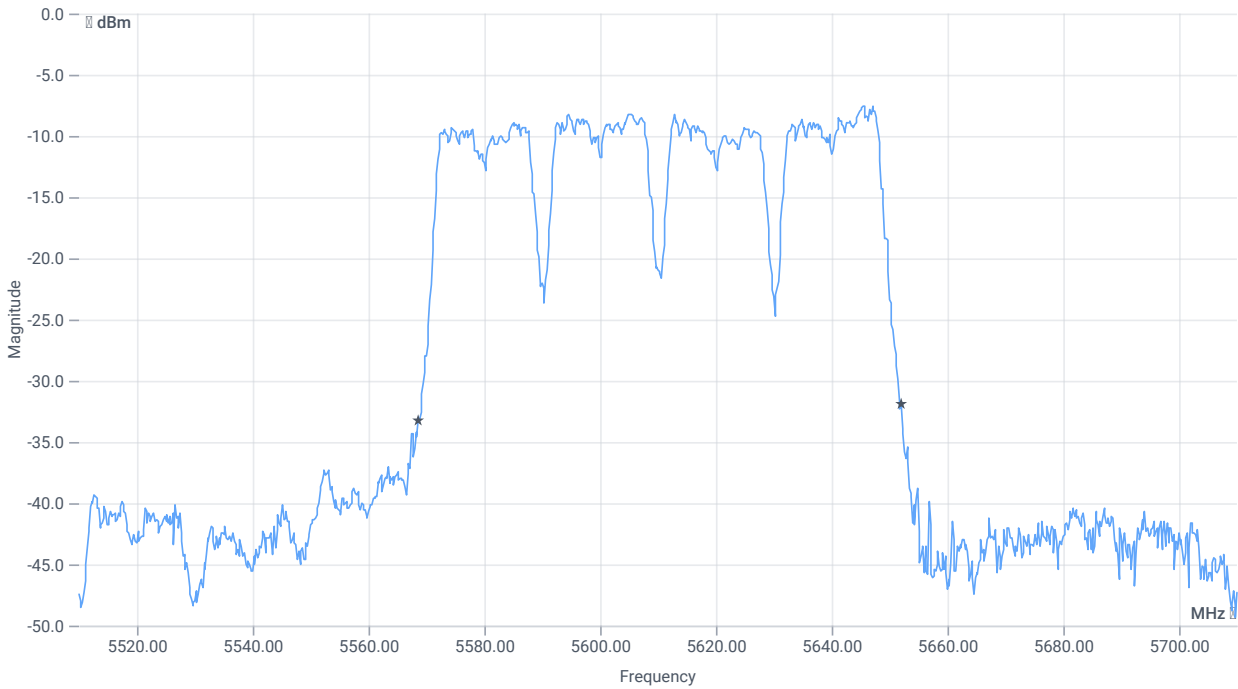




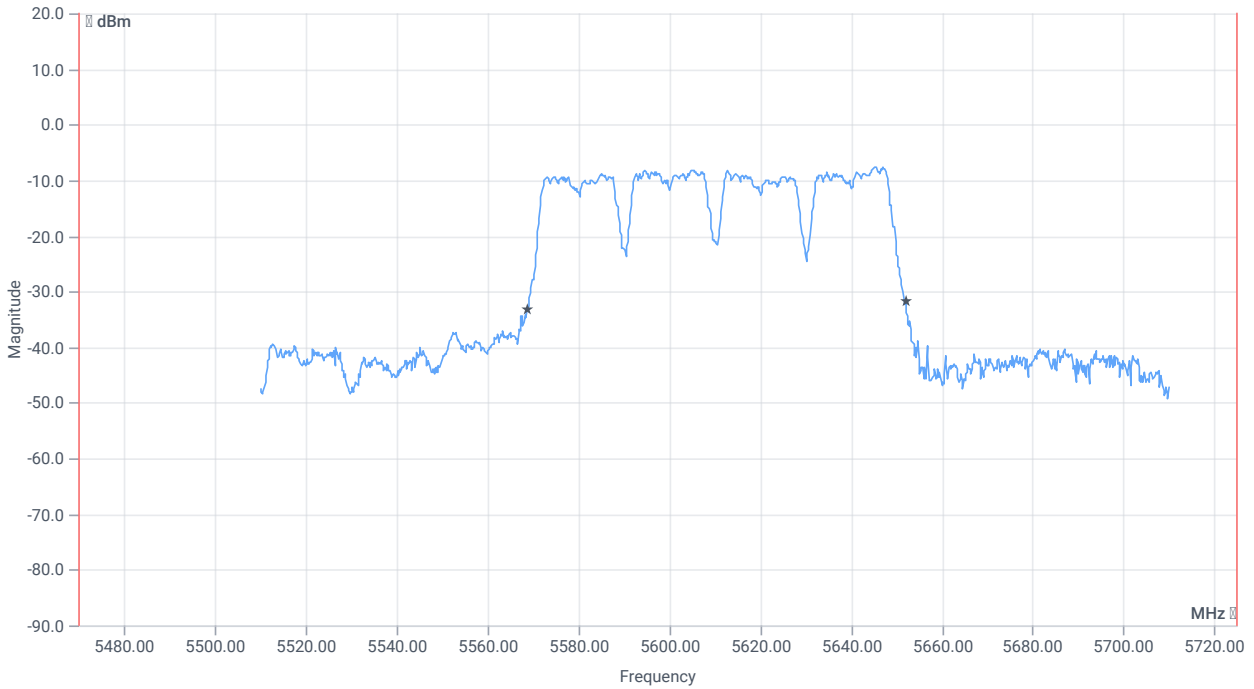
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.523	MHz	INFO
T1 99%	5470.000000	--	5572.0380	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5648.5614	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.4	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5568.6000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5652.0000	MHz	

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-2C

References

TC start	14.05.2024 17:36:03
Ambit temp [°C] humidity [rel%]	28.8 38
System version	5.0.5.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5530
Frequency mid to test	True Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

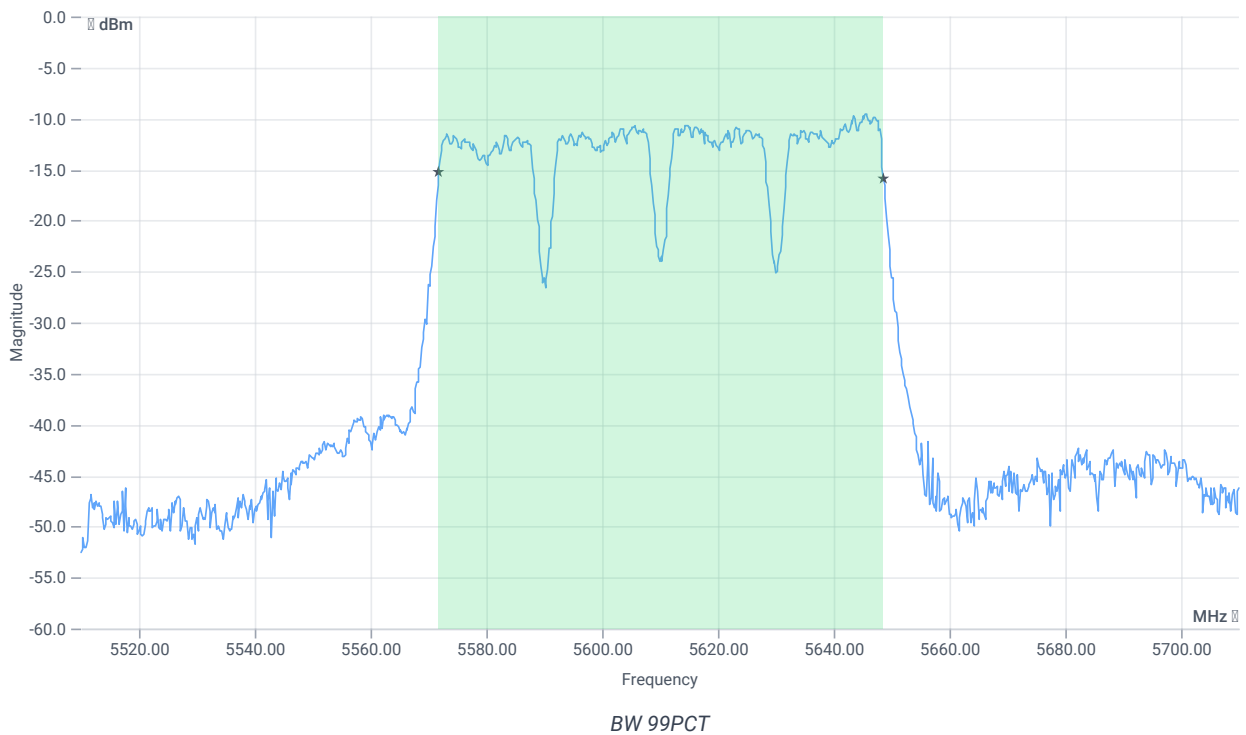
Test at TX 5610 MHz

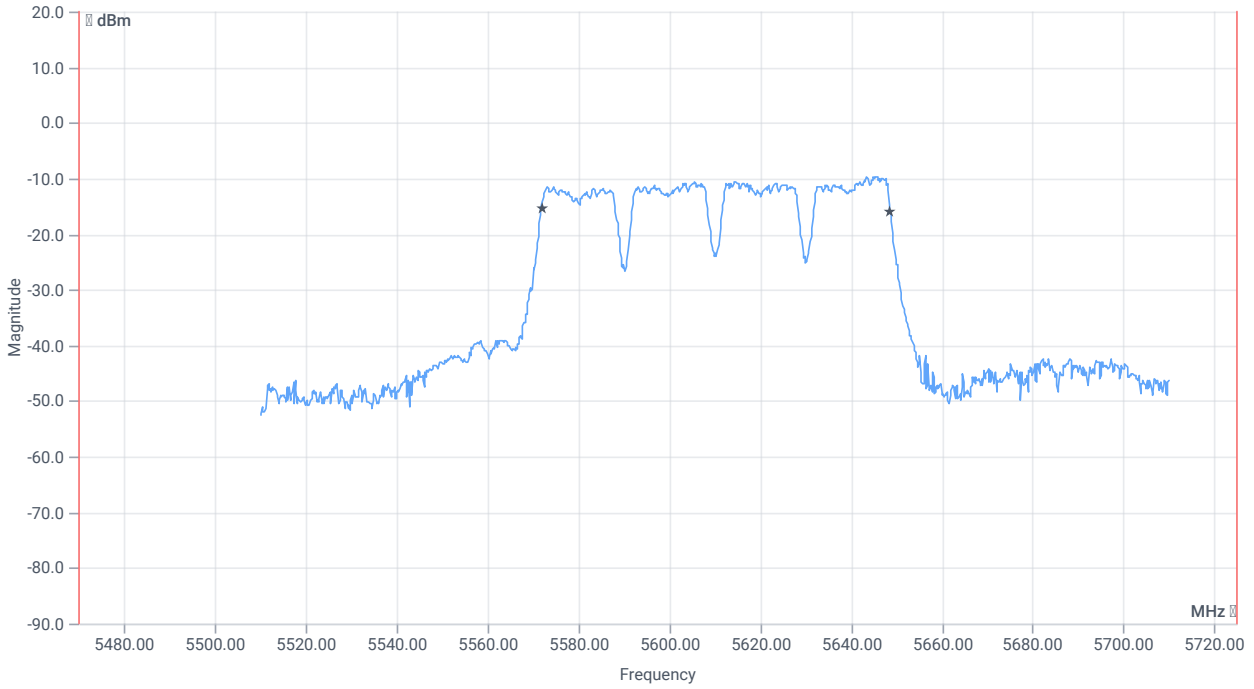
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-9.61	dBm	INFO
Ref. frequency	--	--	5646.760	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	-1.61 13.48 0
Start [MHz] Stop [MHz]	5510.000 5710.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

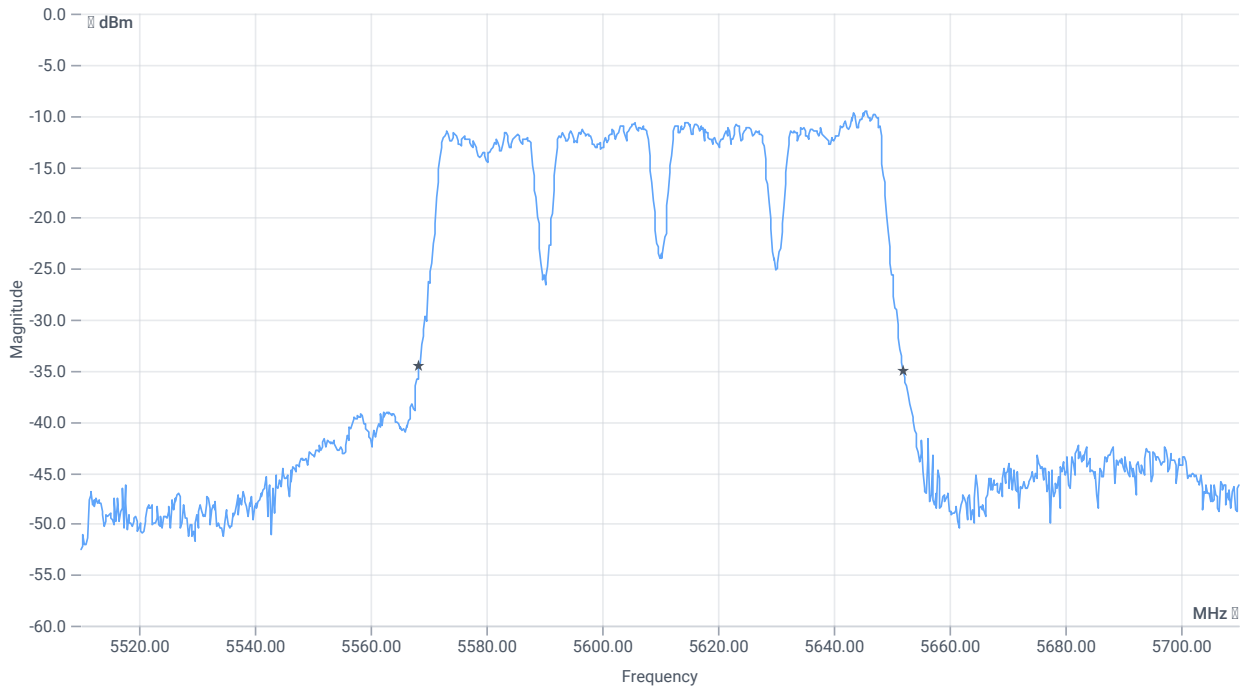




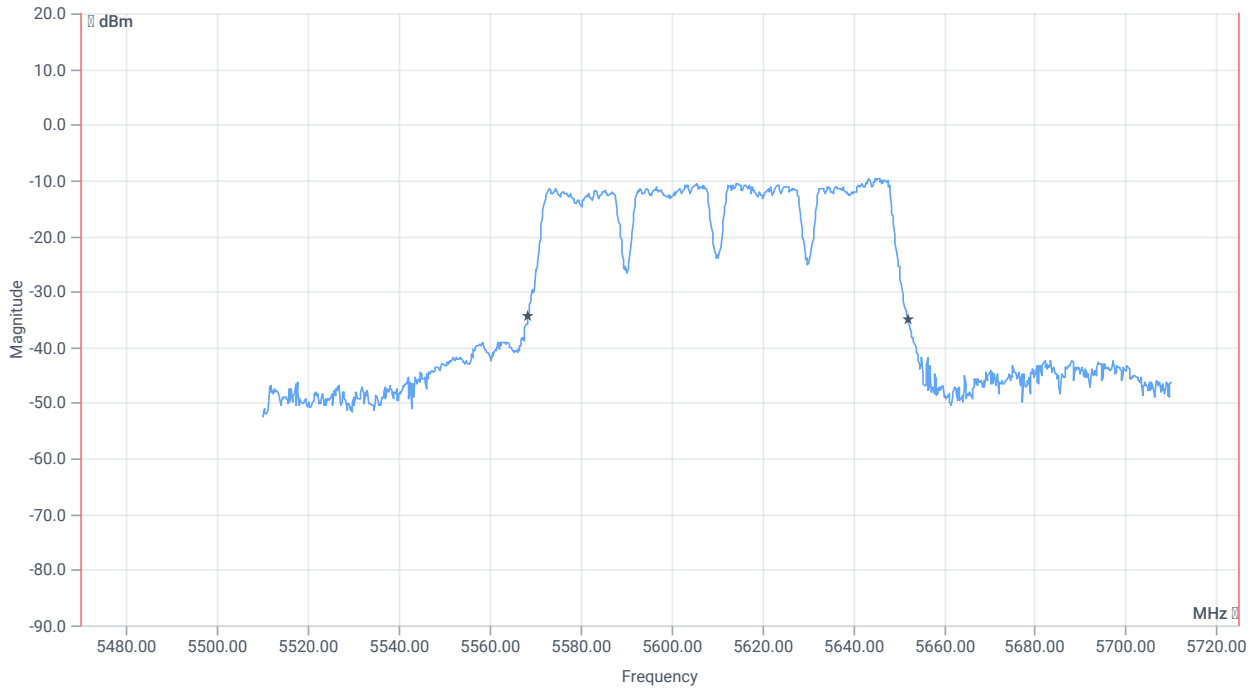
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.723	MHz	INFO
T1 99%	5470.000000	--	5571.8382	MHz	PASS since U-NII-3 is supported
T2 99%	--	5725.000000	5648.5614	MHz	



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.6	MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
T1 26dB	5470.000000	--	5568.4000	MHz	PASS since U-NII-3 is supported
T2 26dB	--	5725.000000	5652.0000	MHz	

Verdict

PASS

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

References

TC start	14.05.2024 14:27:53
Ambit temp [°C] humidity [rel%]	27.9 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5260 MHz

RESULT: Reference power cond.

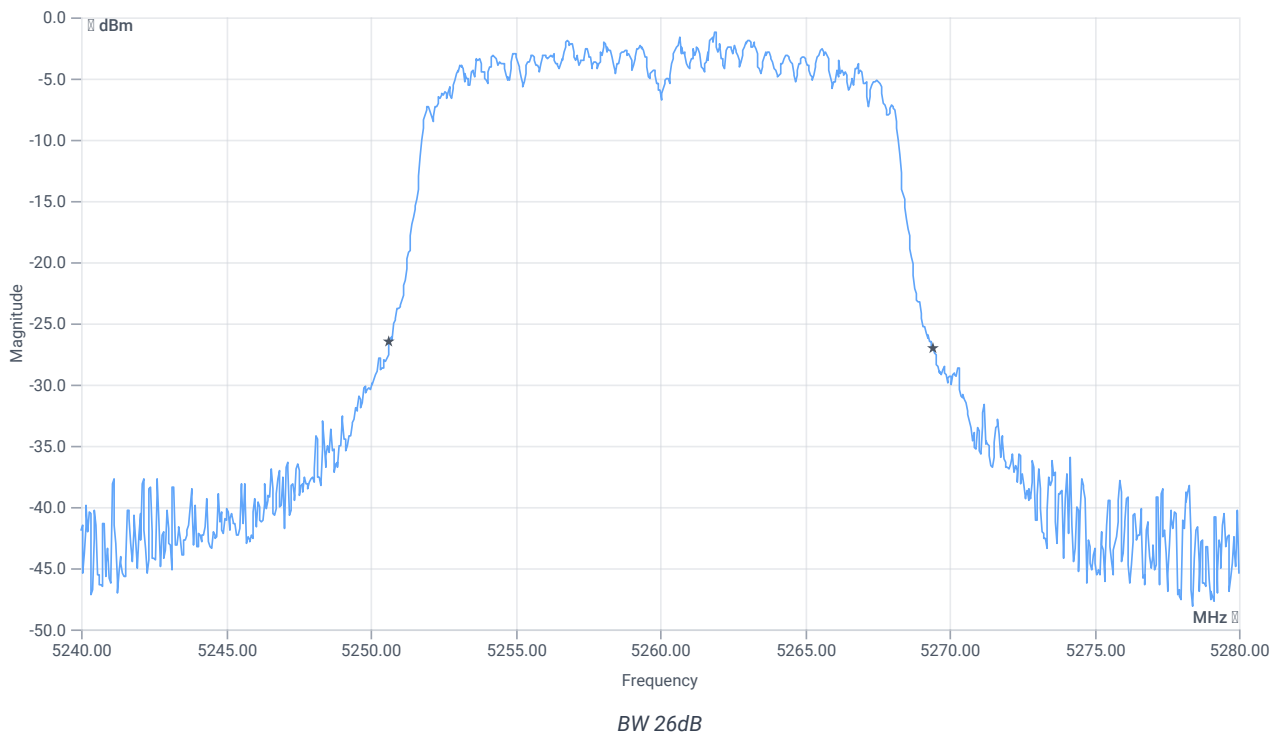
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.88	dBm	INFO
Ref. frequency	---	---	5262.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.8	MHz	INFO
T1 26dB	---	---	5250.6400	MHz	INFO
T2 26dB	---	---	5269.4400	MHz	INFO

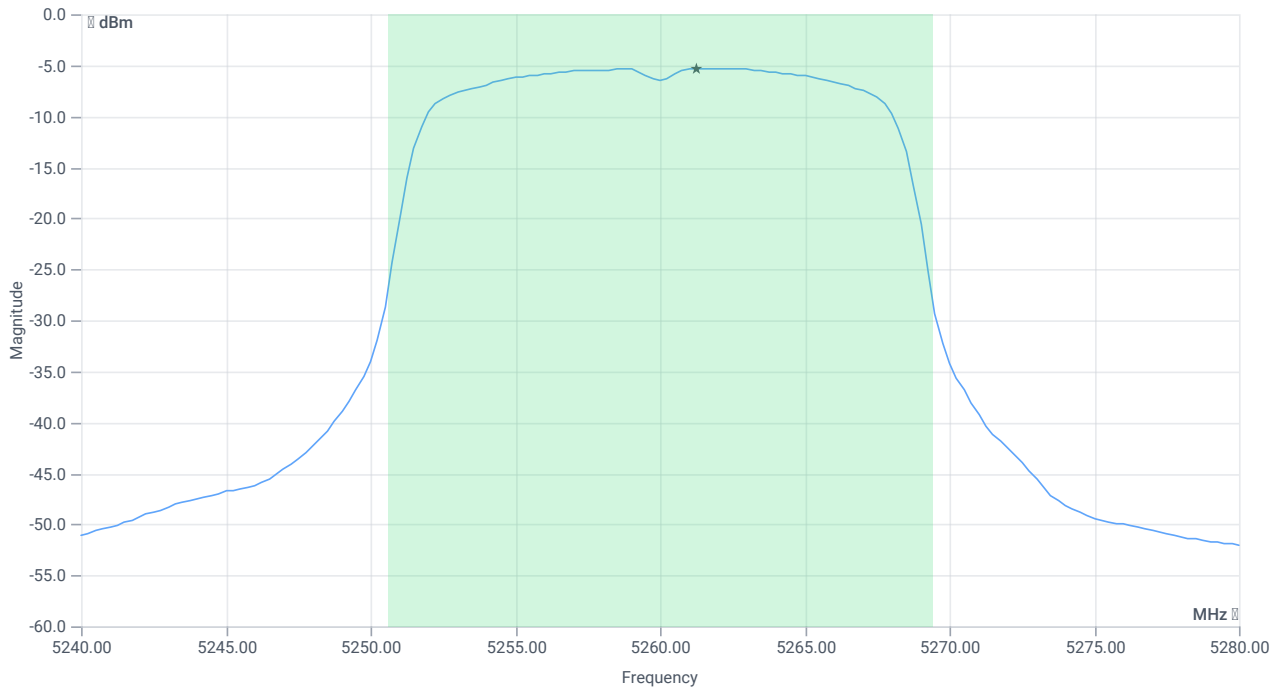
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.88 13.25 20
Start [MHz] Stop [MHz]	5240.000 5280.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	5.68	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	5.68	dBm	PASS
LIMIT: 11 dBm + 10 log 18.8					
Max output power DC corrected cond	---	23.74	5.68	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	9.38	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-5.35	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-5.35	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:31:33
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5260 MHz

RESULT: Reference power cond.

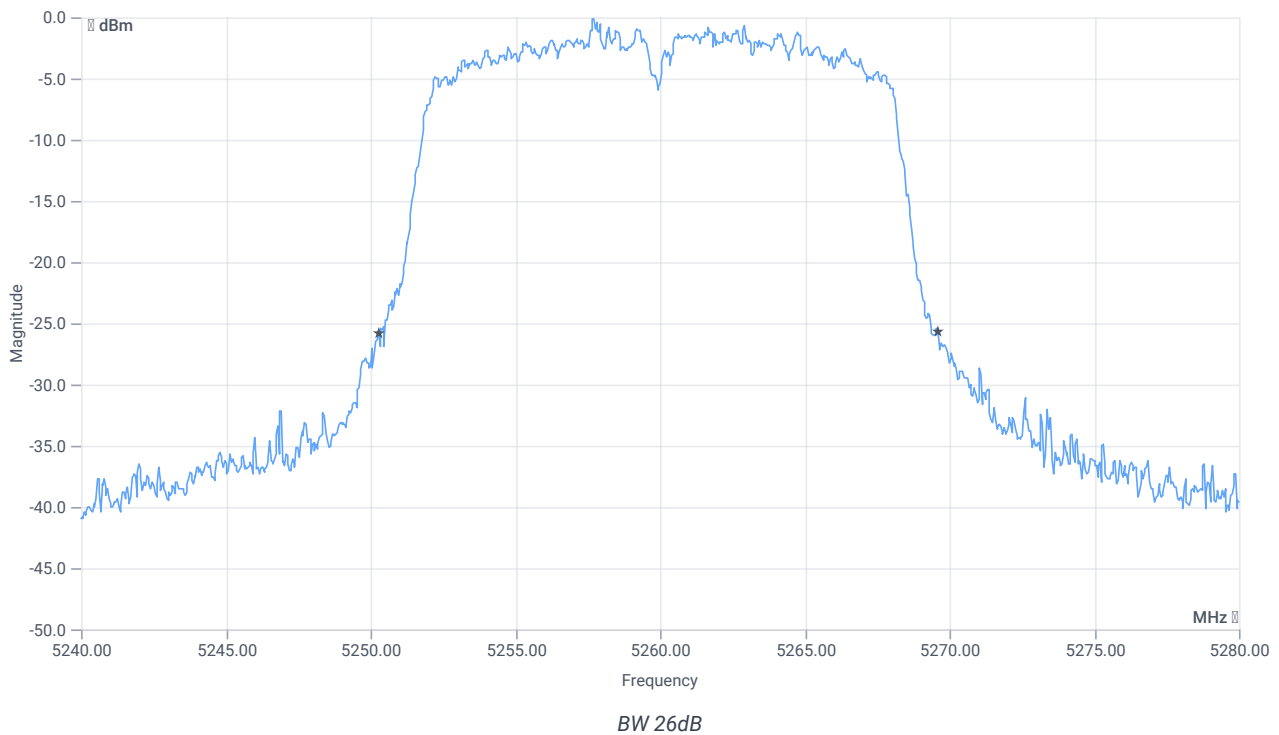
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.29	dBm	INFO
Ref. frequency	---	---	5262.200	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.32	MHz	INFO
T1 26dB	---	---	5250.2800	MHz	INFO
T2 26dB	---	---	5269.6000	MHz	INFO

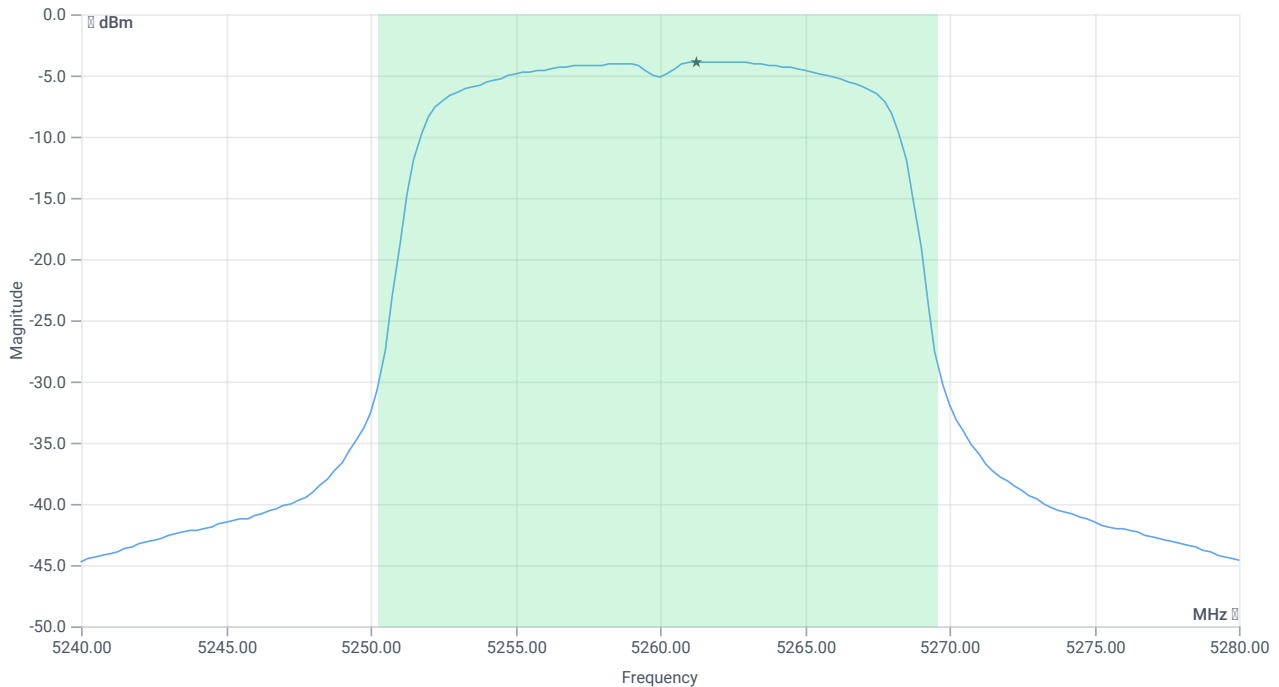
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.29 13.04 20
Start [MHz] Stop [MHz]	5240.000 5280.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	7.08	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.08	dBm	PASS
LIMIT: 11 dBm + 10 log 19.32					
Max output power DC corrected cond	---	23.86	7.08	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	10.78	dBm	PASS
------------------------------------	----	----	-------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-3.92	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-3.92	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:39:43
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5280 MHz

RESULT: Reference power cond.

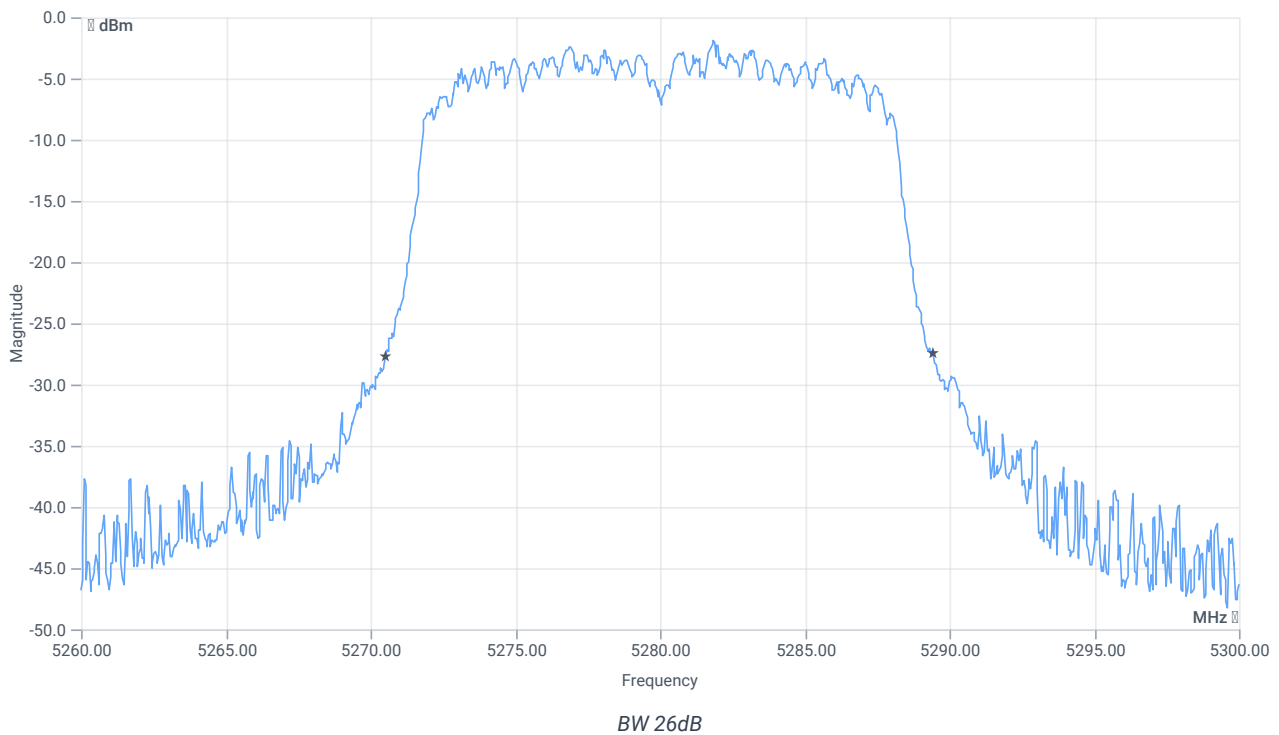
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.82	dBm	INFO
Ref. frequency	---	---	5282.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.92	MHz	INFO
T1 26dB	---	---	5270.5200	MHz	INFO
T2 26dB	---	---	5289.4400	MHz	INFO

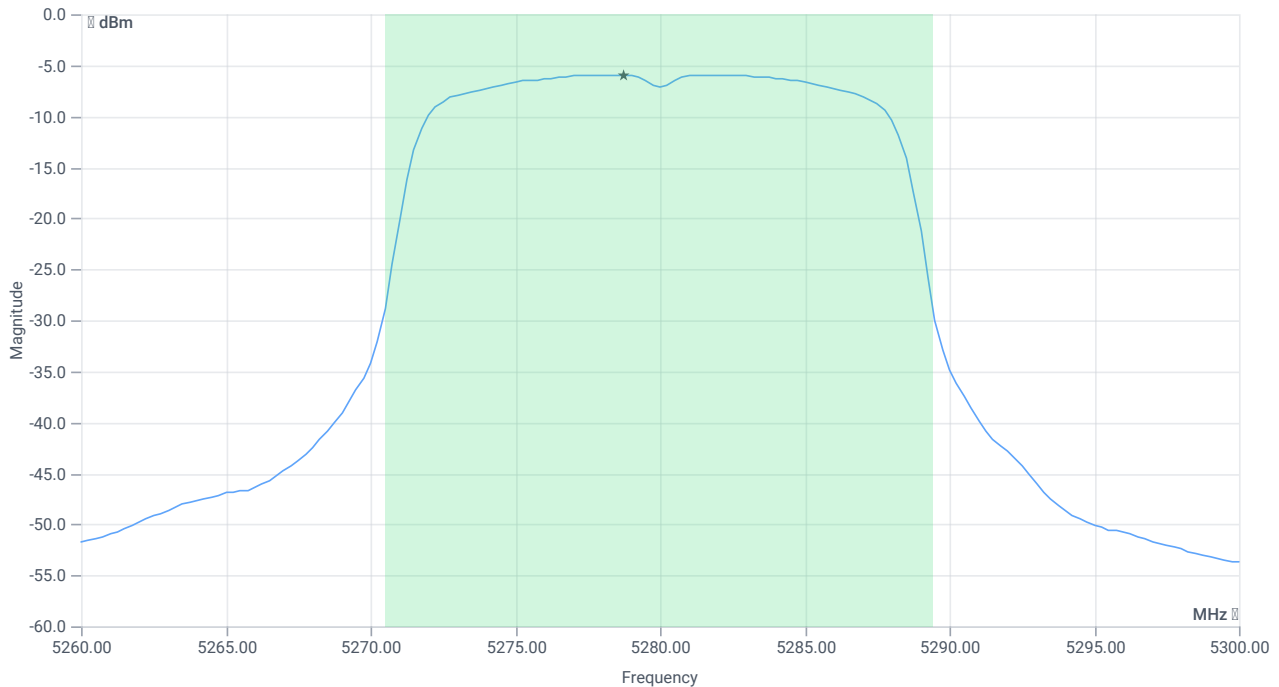
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 13.29 15
Start [MHz] Stop [MHz]	5260.000 5300.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	5.14	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	5.14	dBm	PASS
LIMIT: 11 dBm + 10 log 18.92					
Max output power DC corrected cond	---	23.77	5.14	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	8.84	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-5.95	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-5.95	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:43:17
Ambit temp [°C] humidity [rel%]	28.1 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5280 MHz

RESULT: Reference power cond.

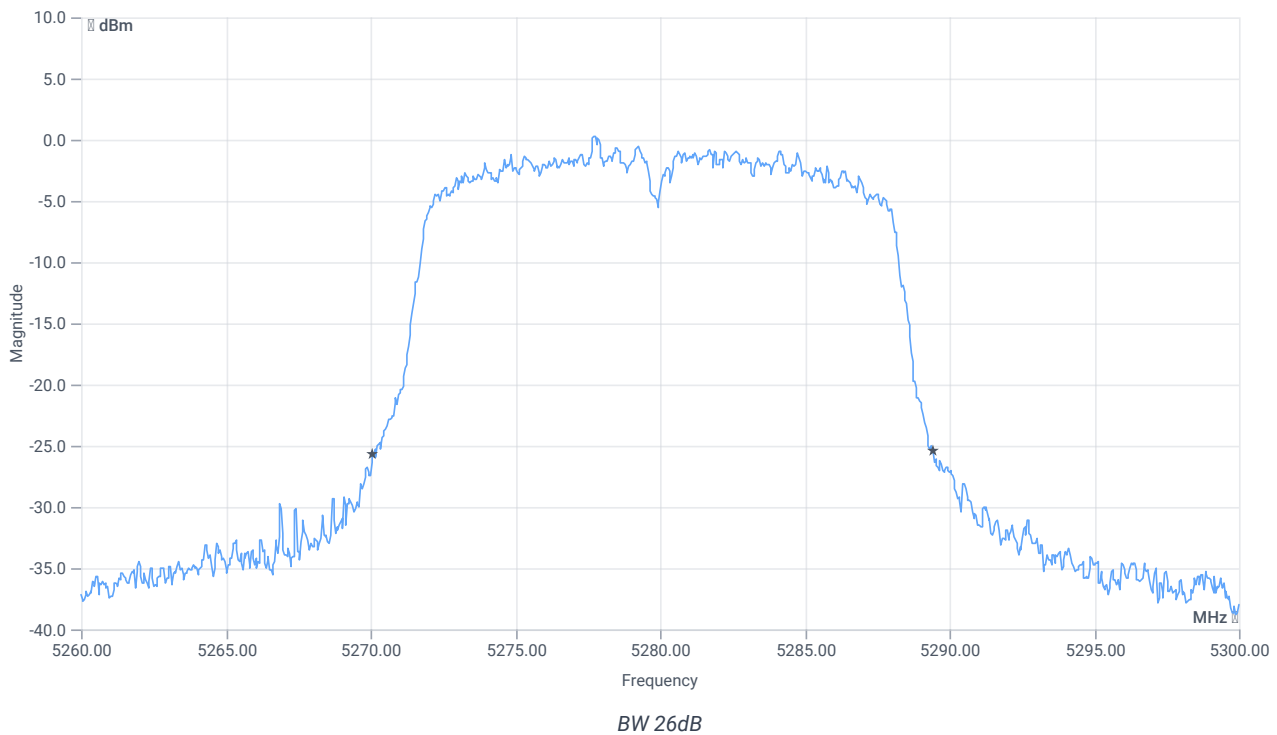
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.13	dBm	INFO
Ref. frequency	---	---	5283.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.36	MHz	INFO
T1 26dB	---	---	5270.0800	MHz	INFO
T2 26dB	---	---	5289.4400	MHz	INFO

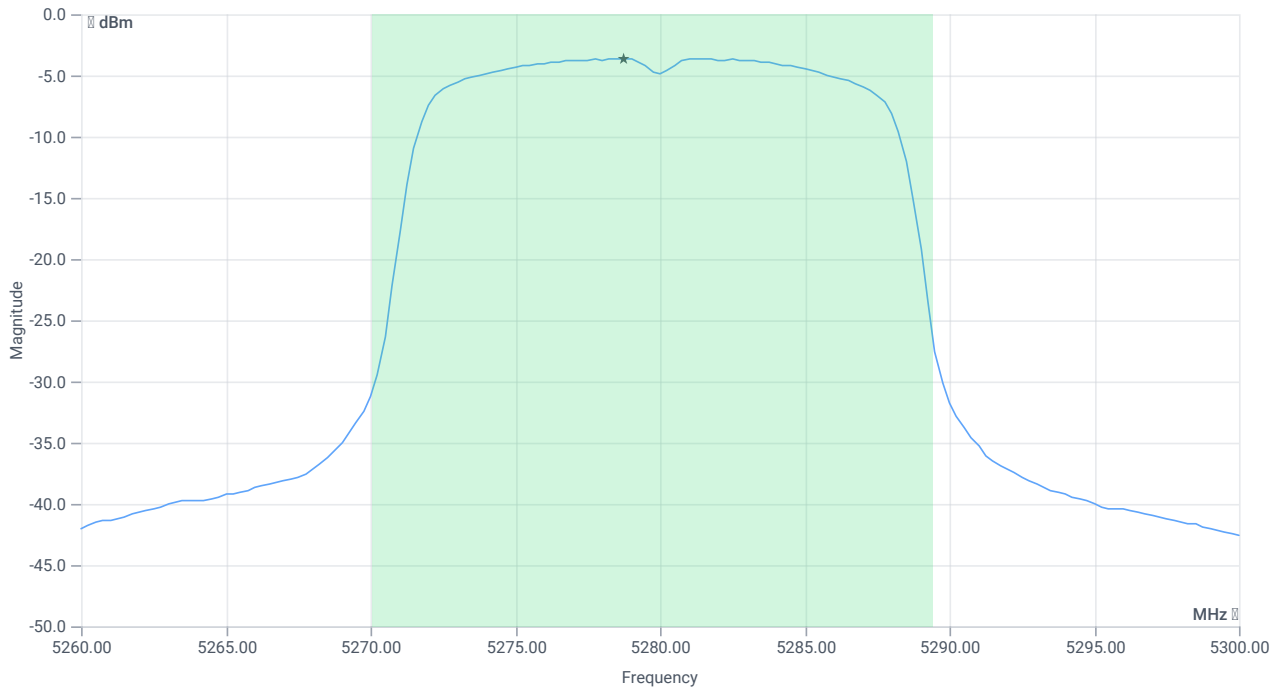
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.13 13.27 20
Start [MHz] Stop [MHz]	5260.000 5300.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	7.43	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.43	dBm	PASS
LIMIT: 11 dBm + 10 log 19.36					
Max output power DC corrected cond	---	23.87	7.43	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	11.13	dBm	PASS
------------------------------------	----	----	-------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-3.64	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-3.64	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:47:35
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5320 MHz

RESULT: Reference power cond.

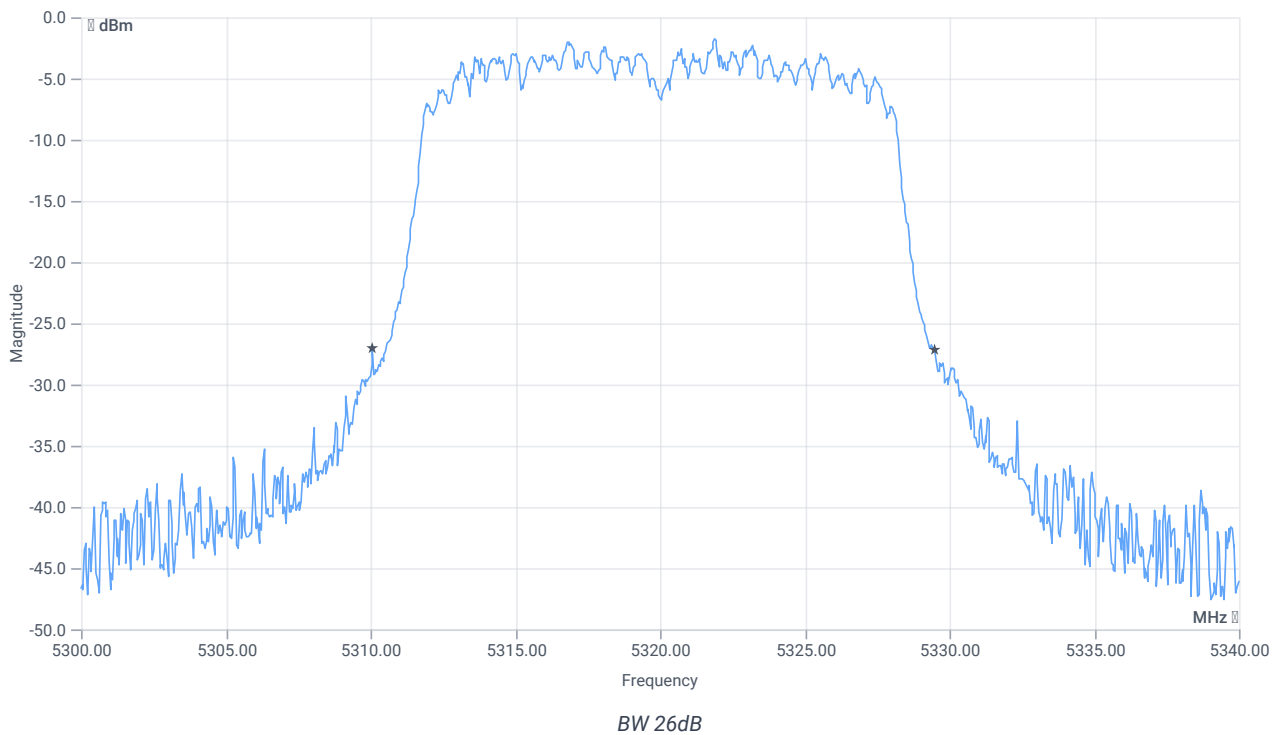
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.85	dBm	INFO
Ref. frequency	---	---	5322.800	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.4	MHz	INFO
T1 26dB	---	---	5310.0800	MHz	INFO
T2 26dB	---	---	5329.4800	MHz	INFO

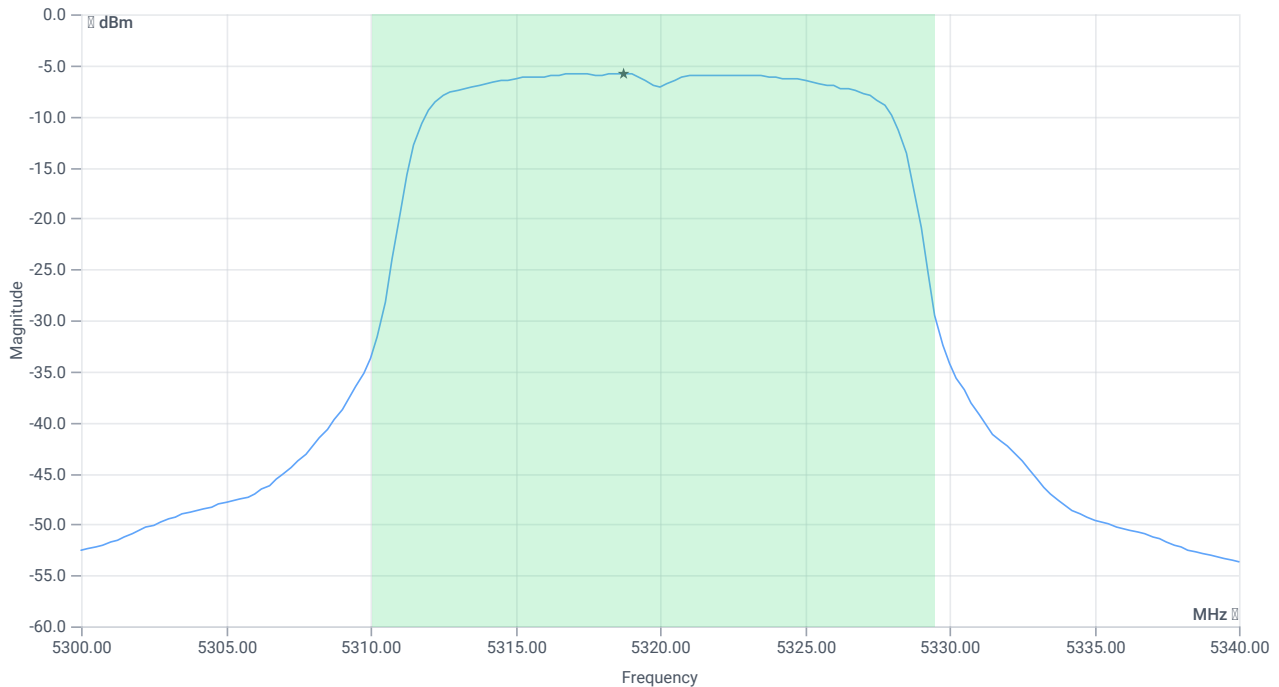
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.85 13.96 15
Start [MHz] Stop [MHz]	5300.000 5340.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	5.34	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	5.34	dBm	PASS
LIMIT: 11 dBm + 10 log 19.4					
Max output power DC corrected cond	---	23.88	5.34	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	9.04	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-5.83	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-5.83	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:51:08
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5320 MHz

RESULT: Reference power cond.

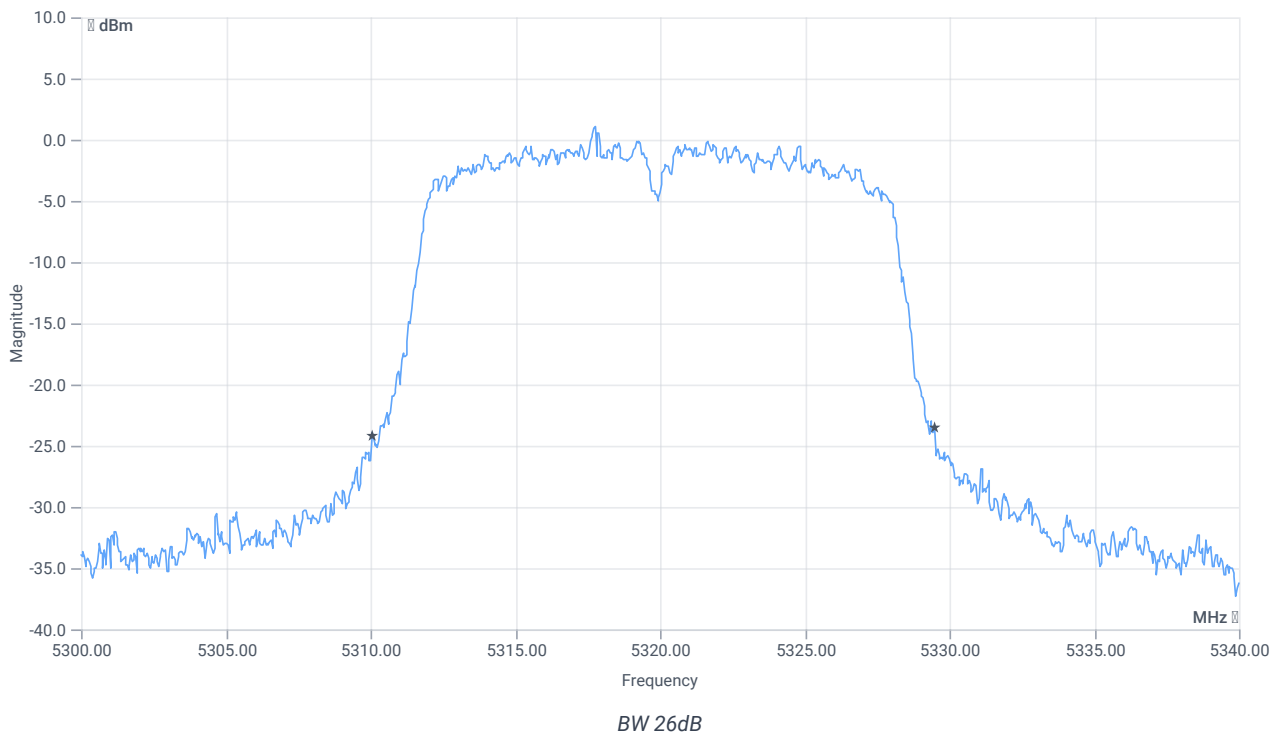
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.10	dBm	INFO
Ref. frequency	---	---	5316.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.44	MHz	INFO
T1 26dB	---	---	5310.0400	MHz	INFO
T2 26dB	---	---	5329.4800	MHz	INFO

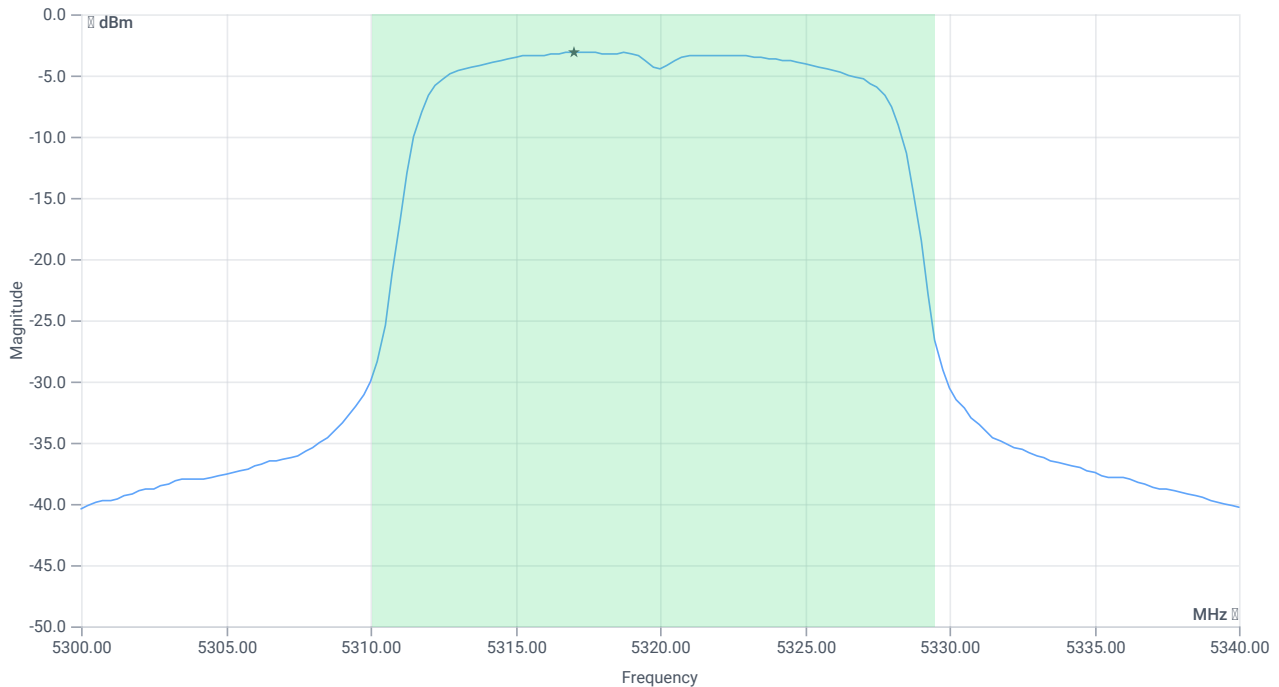
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.10 13.72 20
Start [MHz] Stop [MHz]	5300.000 5340.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	7.97	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	7.97	dBm	PASS
LIMIT: 11 dBm + 10 log 19.44					
Max output power DC corrected cond	--	23.89	7.97	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	11.67	dBm	PASS
------------------------------------	----	----	-------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-3.14	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-3.14	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:19:57
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5260 MHz

RESULT: Reference power cond.

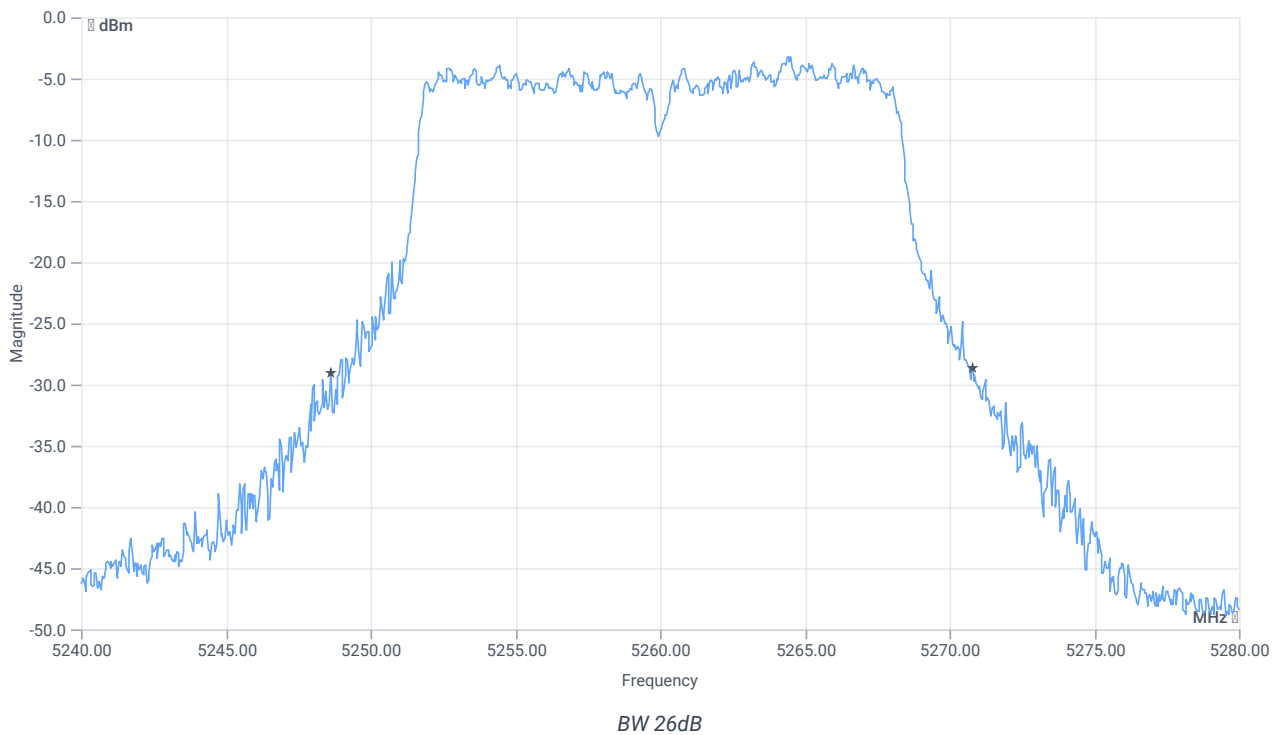
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.21	dBm	INFO
Ref. frequency	---	---	5256.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.2	MHz	INFO
T1 26dB	---	---	5248.6000	MHz	INFO
T2 26dB	---	---	5270.8000	MHz	INFO

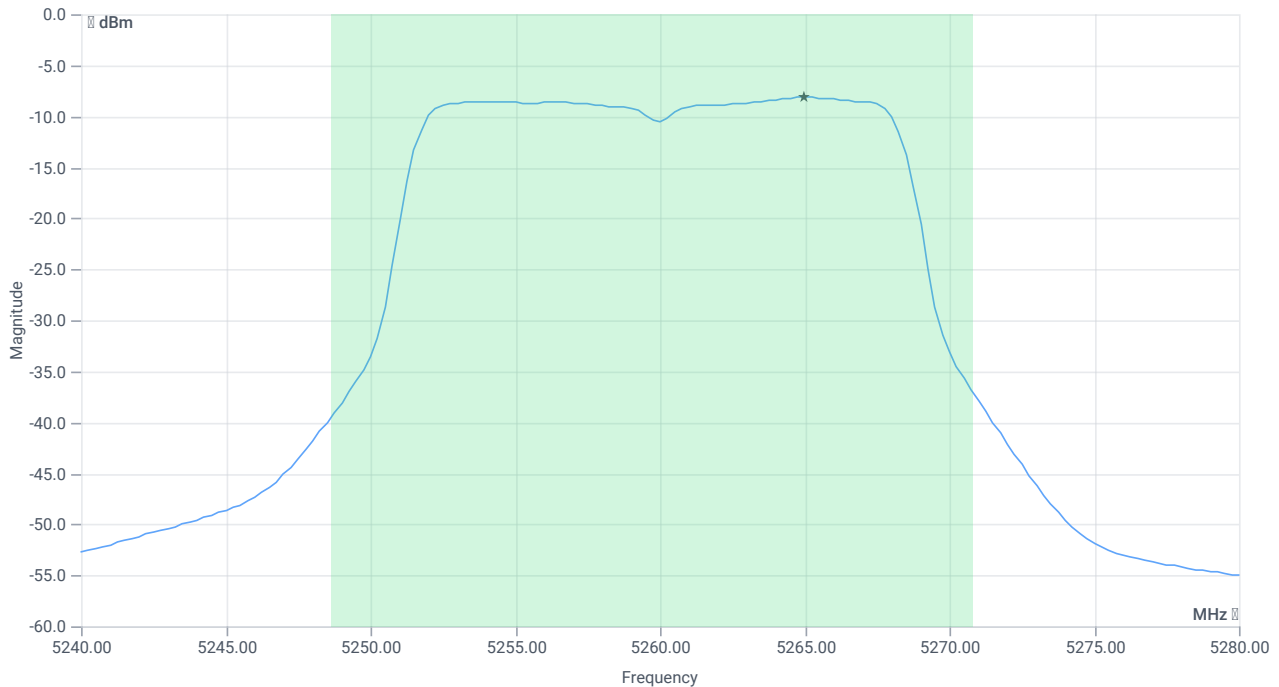
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.21 13.25 15
Start [MHz] Stop [MHz]	5240.000 5280.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	3.14	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.14	dBm	PASS
LIMIT: 11 dBm + 10 log 22.2					
Max output power DC corrected cond	---	24.46	3.14	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	6.84	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.08	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.08	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:23:28
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5260 MHz

RESULT: Reference power cond.

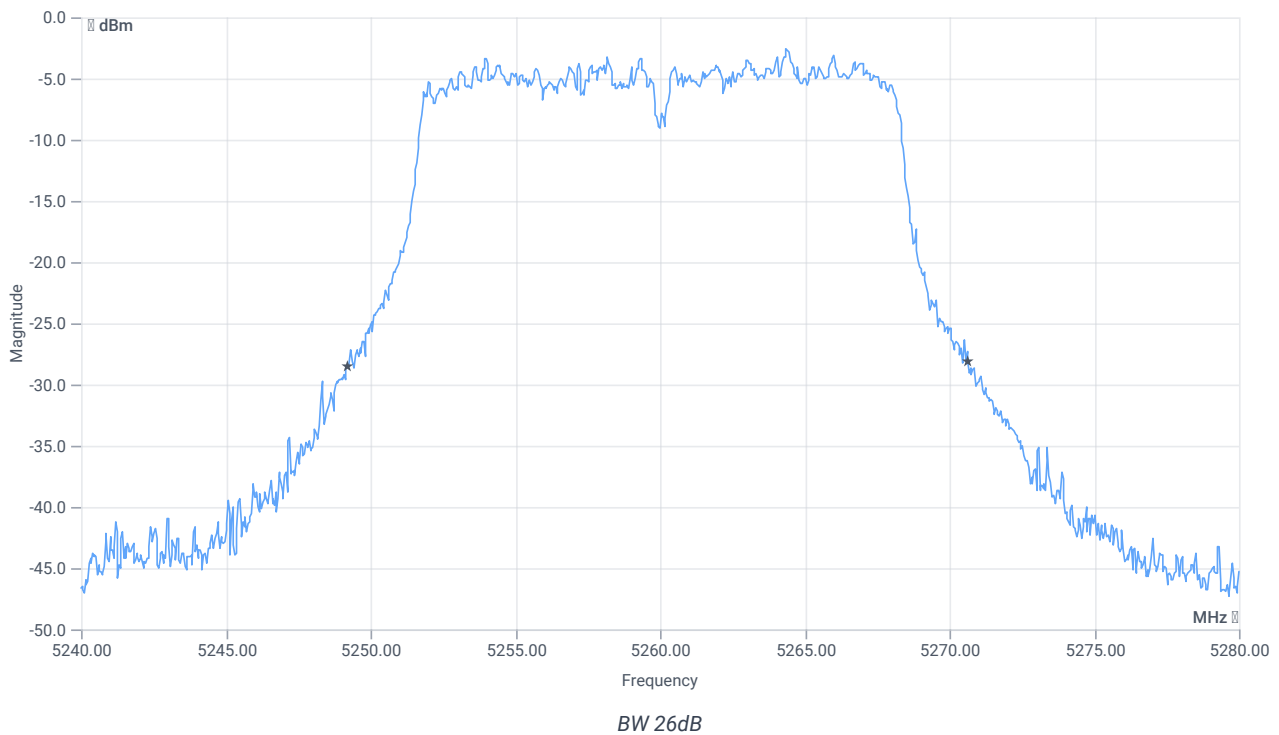
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.82	dBm	INFO
Ref. frequency	---	---	5267.190	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.44	MHz	INFO
T1 26dB	---	---	5249.2000	MHz	INFO
T2 26dB	---	---	5270.6400	MHz	INFO

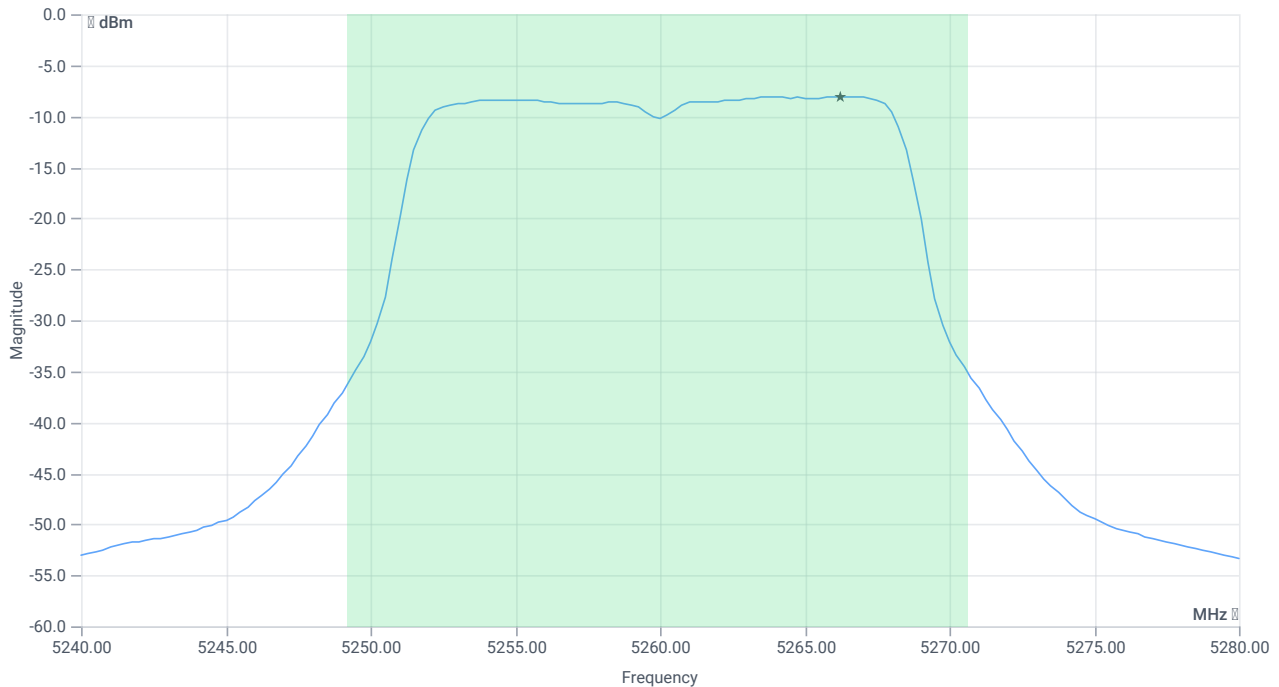
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5260 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 13.04 15
Start [MHz] Stop [MHz]	5240.000 5280.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	3.35	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	3.35	dBm	PASS
LIMIT: 11 dBm + 10 log 21.44					
Max output power DC corrected cond	--	24.31	3.35	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	7.05	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.04	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.04	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:27:26
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5280 MHz

RESULT: Reference power cond.

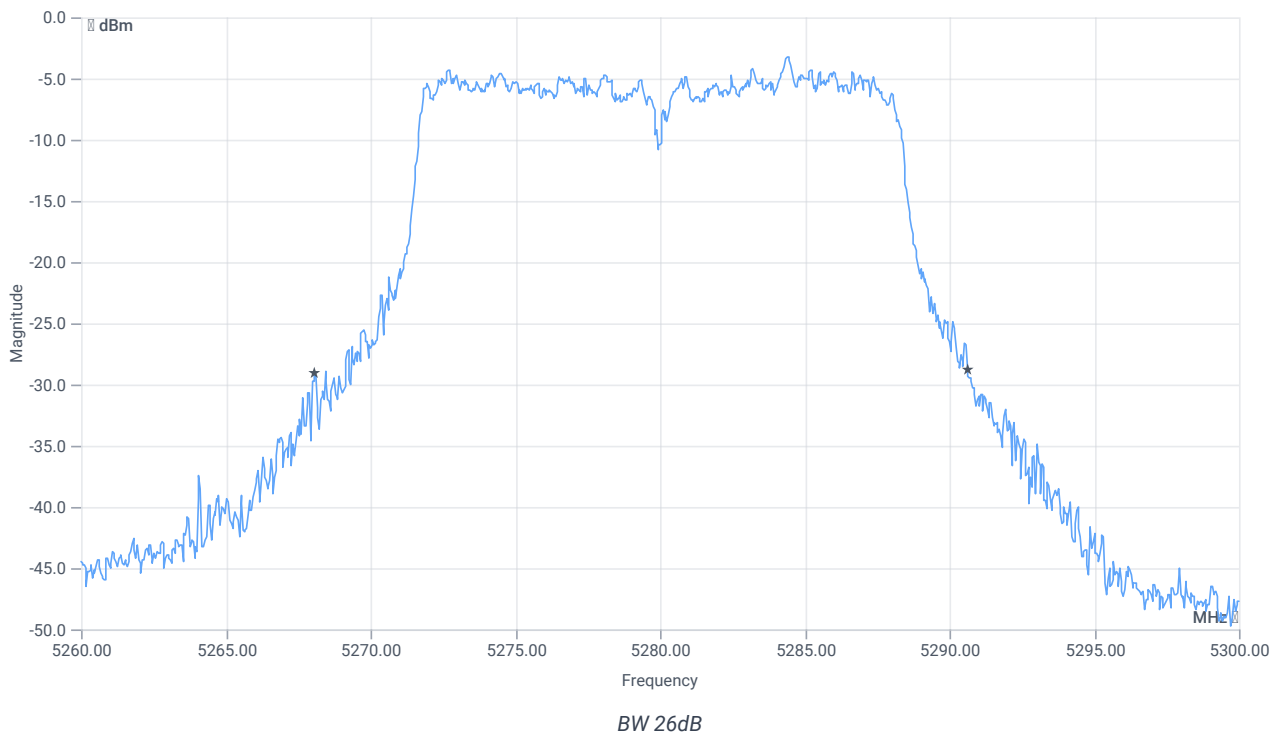
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	0.93	dBm	INFO
Ref. frequency	---	---	5272.610	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.52	MHz	INFO
T1 26dB	---	---	5268.0800	MHz	INFO
T2 26dB	---	---	5290.6000	MHz	INFO

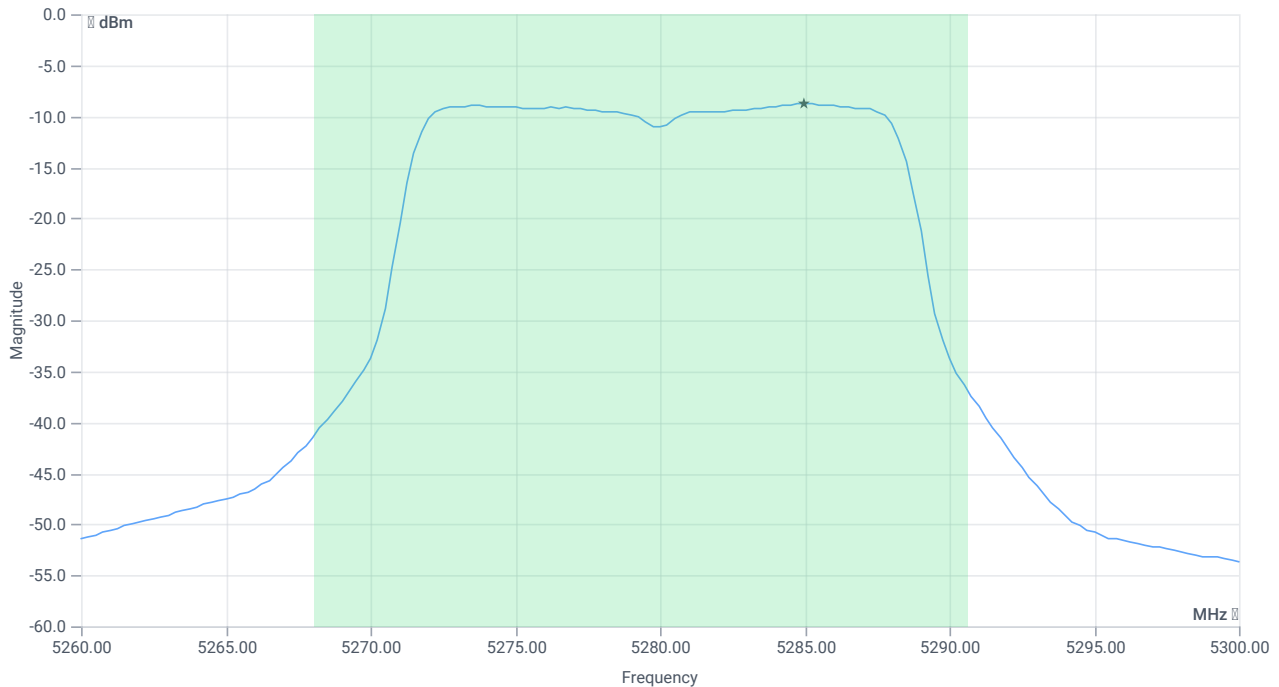
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.93 13.29 15
Start [MHz] Stop [MHz]	5260.000 5300.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	2.58	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.58	dBm	PASS
LIMIT: 11 dBm + 10 log 22.52					
Max output power DC corrected cond	---	24.53	2.58	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	---	27	6.28	dBm	PASS
------------------------------------	-----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.73	dBm/1MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-8.73	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:30:56
Ambit temp [°C] humidity [rel%]	28.2 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	True Freq [MHz] 5280
Frequency high to test	False Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5280 MHz

RESULT: Reference power cond.

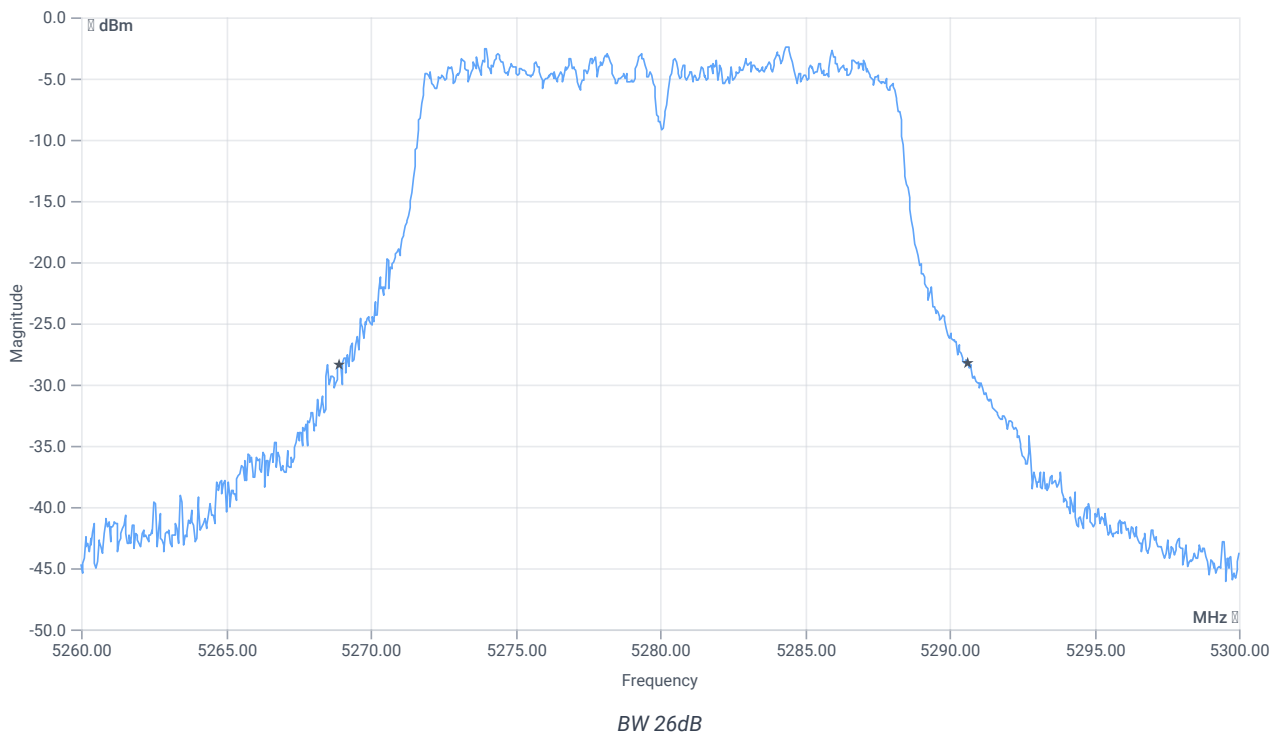
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.23	dBm	INFO
Ref. frequency	--	--	5274.210	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	21.72	MHz	INFO
T1 26dB	--	--	5268.9200	MHz	INFO
T2 26dB	--	--	5290.6400	MHz	INFO

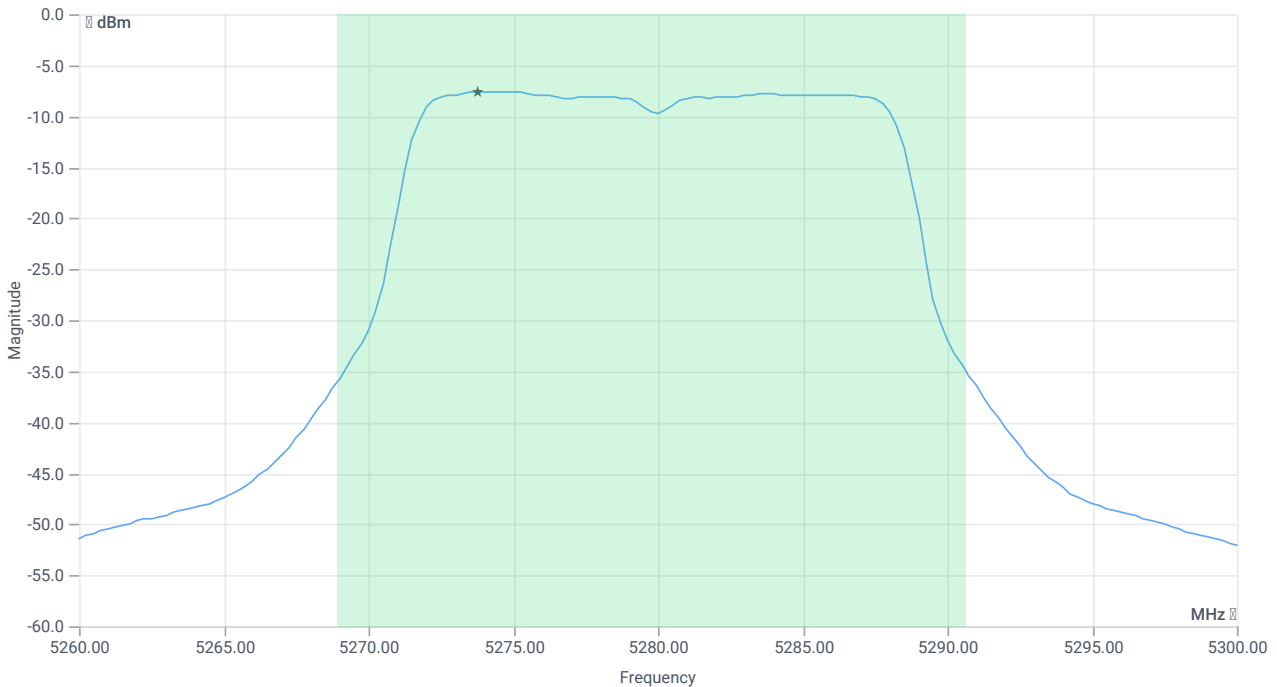
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5280 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.23 13.27 15
Start [MHz] Stop [MHz]	5260.000 5300.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	3.84	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	3.84	dBm	PASS
LIMIT: 11 dBm + 10 log 21.72					
Max output power DC corrected cond	---	24.37	3.84	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	7.54	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	--	--	-7.55	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-7.55	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:34:49
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5320 MHz

RESULT: Reference power cond.

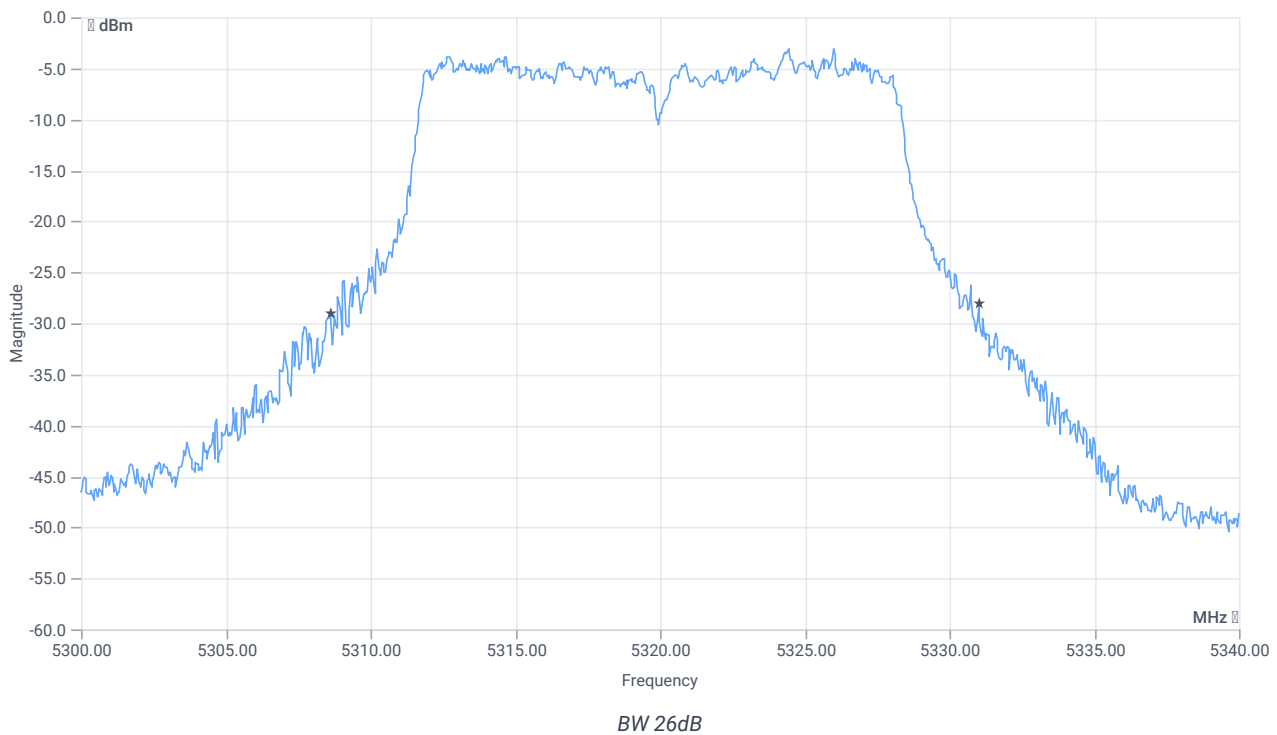
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.82	dBm	INFO
Ref. frequency	---	---	5316.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.4	MHz	INFO
T1 26dB	---	---	5308.6000	MHz	INFO
T2 26dB	---	---	5331.0000	MHz	INFO

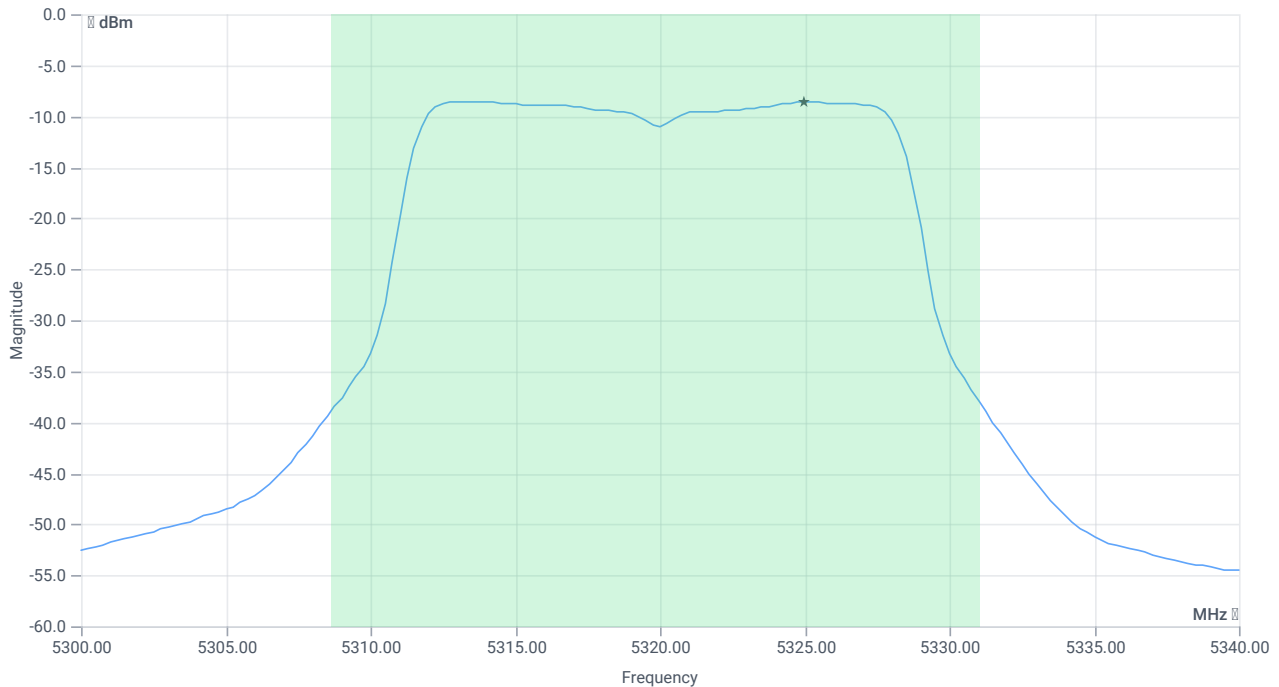
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.82 13.96 15
Start [MHz] Stop [MHz]	5300.000 5340.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	2.82	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.82	dBm	PASS
LIMIT: 11 dBm + 10 log 22.4					
Max output power DC corrected cond	---	24.5	2.82	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	27	6.52	dBm	PASS
------------------------------------	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.54	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.54	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:38:18
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5260
Frequency mid to test	False Freq [MHz] 5280
Frequency high to test	True Freq [MHz] 5320
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5320 MHz

RESULT: Reference power cond.

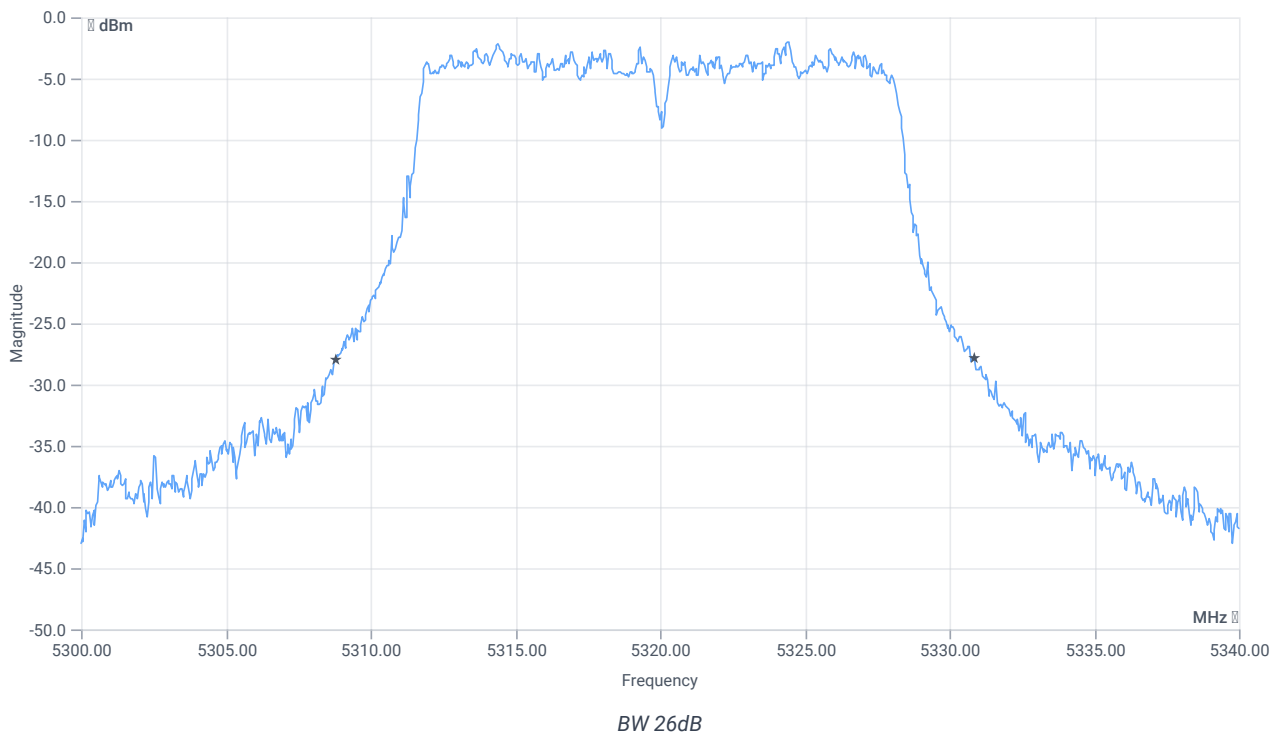
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.90	dBm	INFO
Ref. frequency	---	---	5323.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.08	MHz	INFO
T1 26dB	---	---	5308.8000	MHz	INFO
T2 26dB	---	---	5330.8800	MHz	INFO

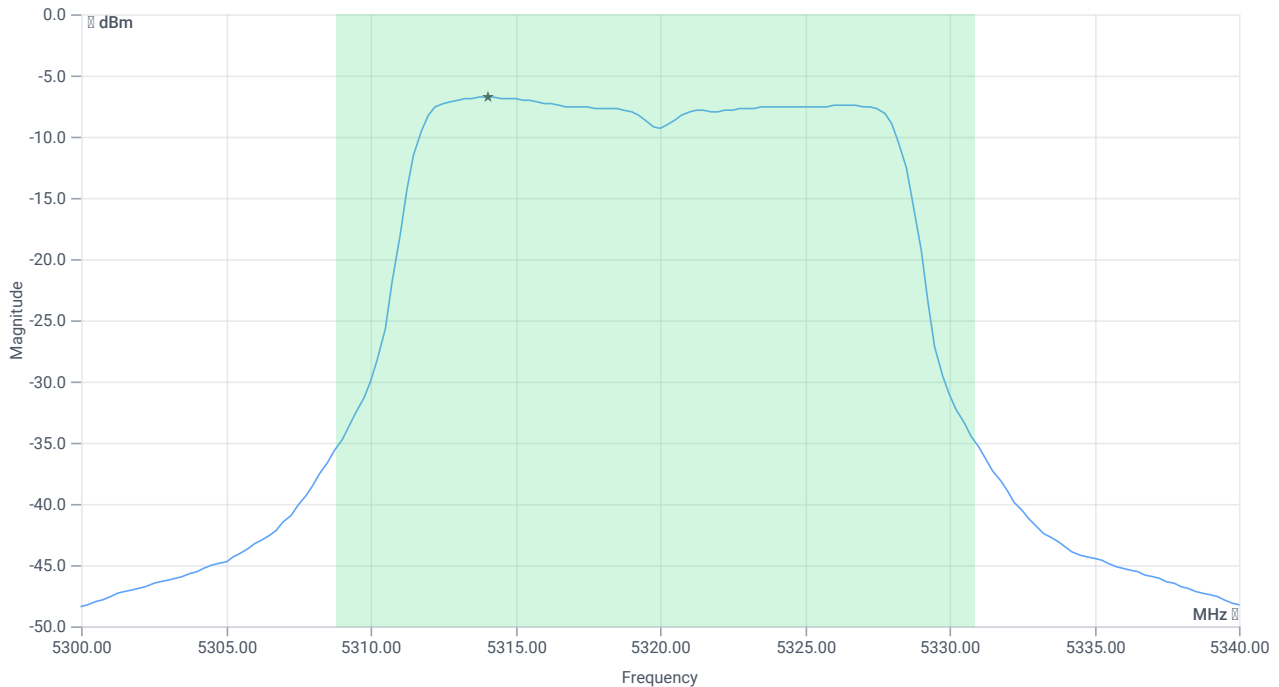
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5320 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.90 13.72 20
Start [MHz] Stop [MHz]	5300.000 5340.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	4.36	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	4.36	dBm	PASS
LIMIT: 11 dBm + 10 log 22.08					
Max output power DC corrected cond	---	24.44	4.36	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	8.06	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-6.75	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-6.75	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:13:55
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5270 MHz

RESULT: Reference power cond.

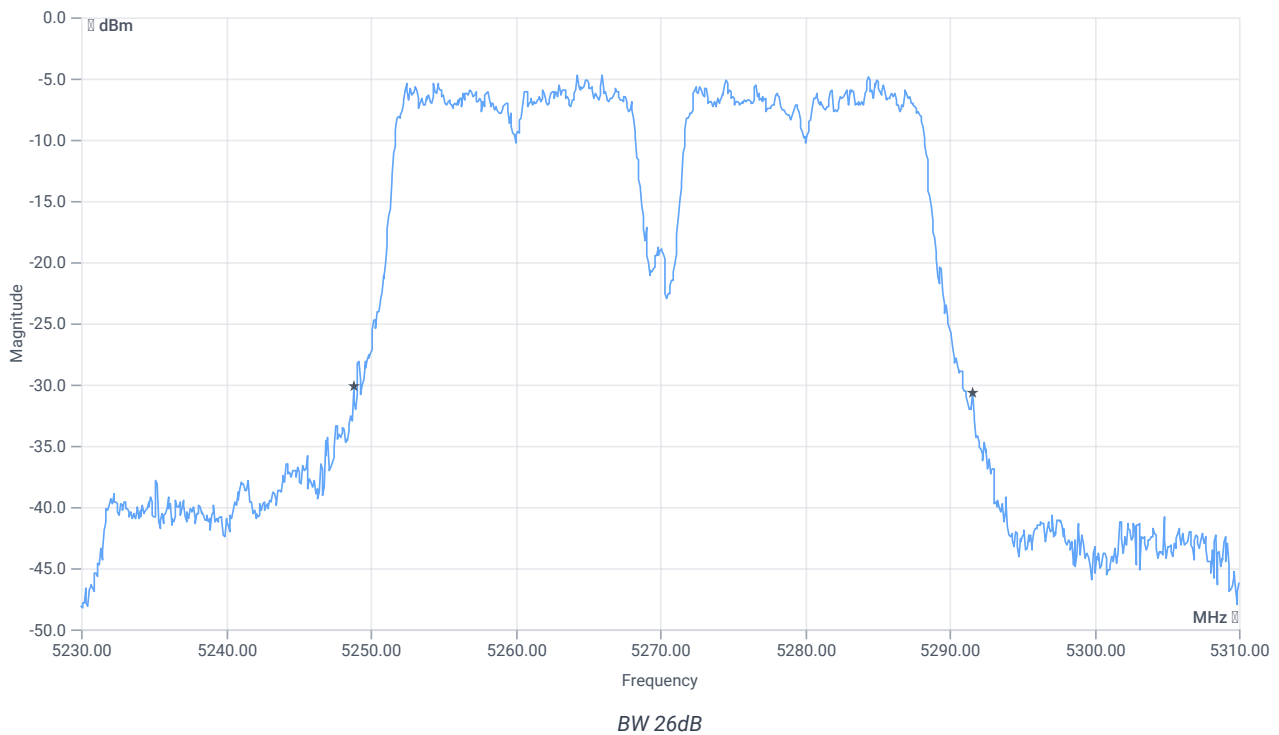
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.28	dBm	INFO
Ref. frequency	---	---	5285.180	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.8	MHz	INFO
T1 26dB	---	---	5248.8000	MHz	INFO
T2 26dB	---	---	5291.6000	MHz	INFO

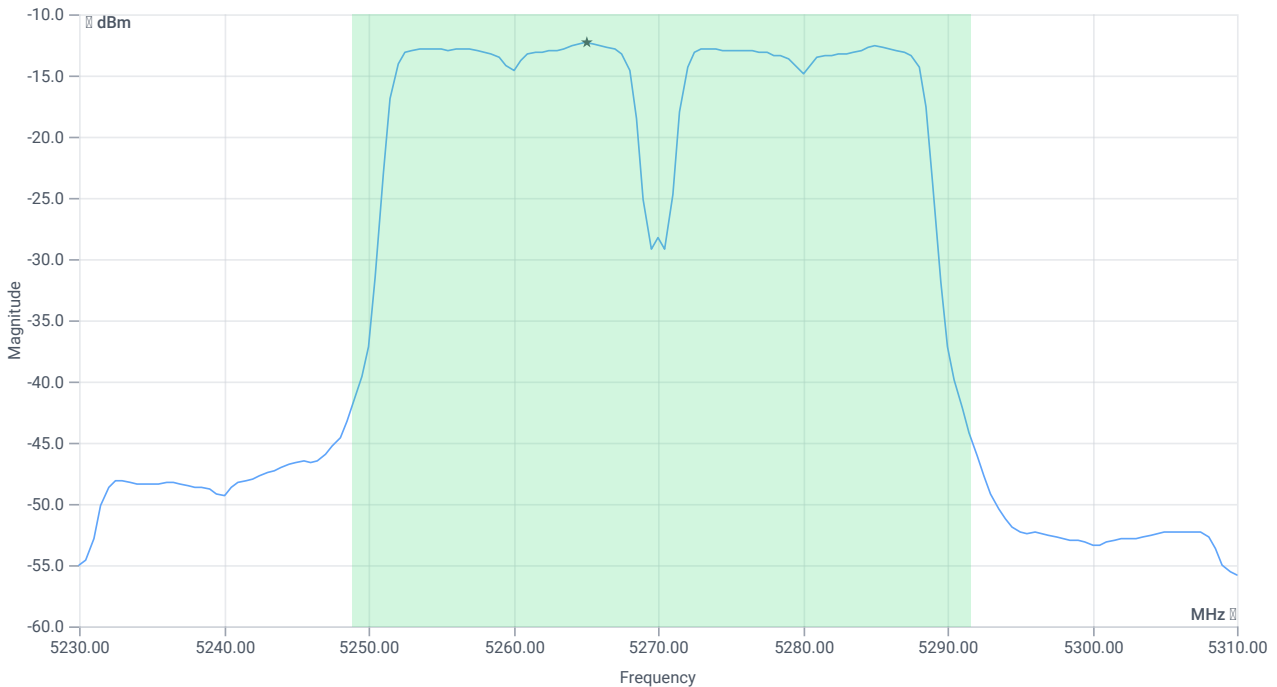
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.72 13.27 15
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	1.85	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.85	dBm	PASS
LIMIT: 11 dBm + 10 log 42.8					
Max output power DC corrected cond	---	27.31	1.85	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	5.55	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	--	--	-12.33	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-12.33	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:17:38
Ambit temp [°C] humidity [rel%]	28.5 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5270 MHz

RESULT: Reference power cond.

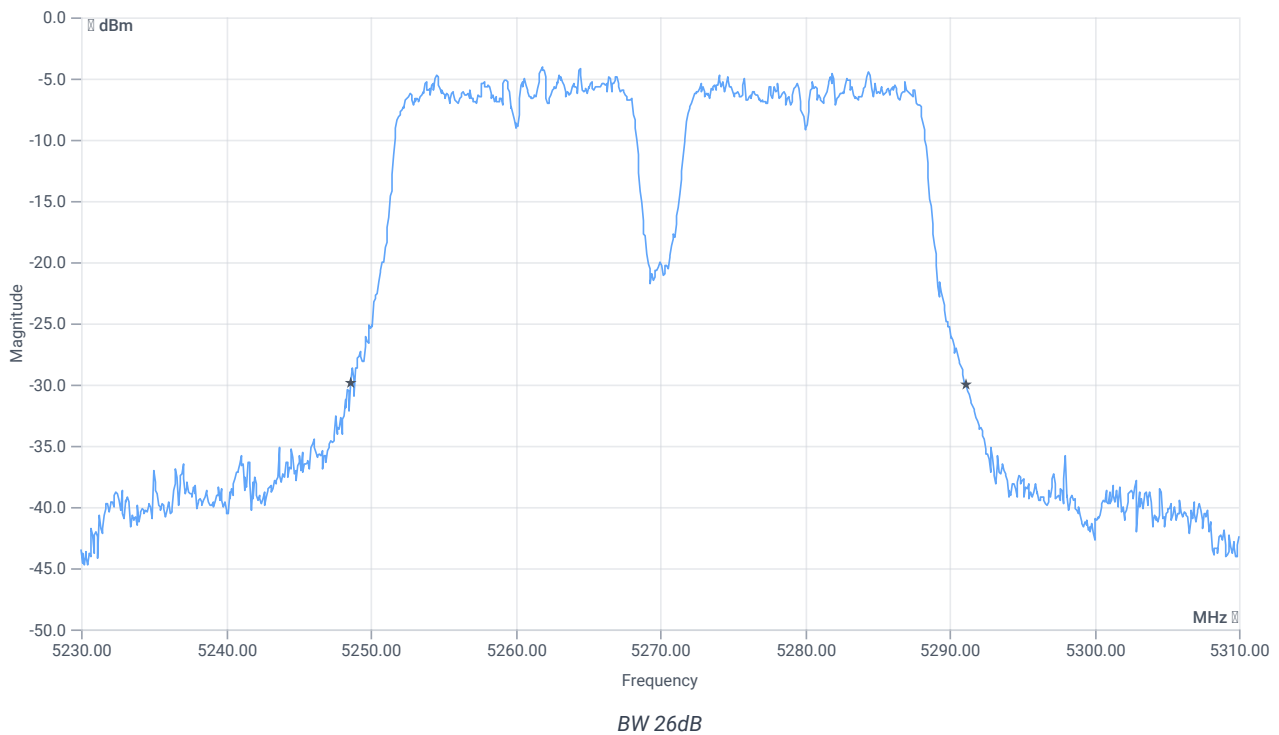
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.12	dBm	INFO
Ref. frequency	---	---	5274.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.56	MHz	INFO
T1 26dB	---	---	5248.6400	MHz	INFO
T2 26dB	---	---	5291.2000	MHz	INFO

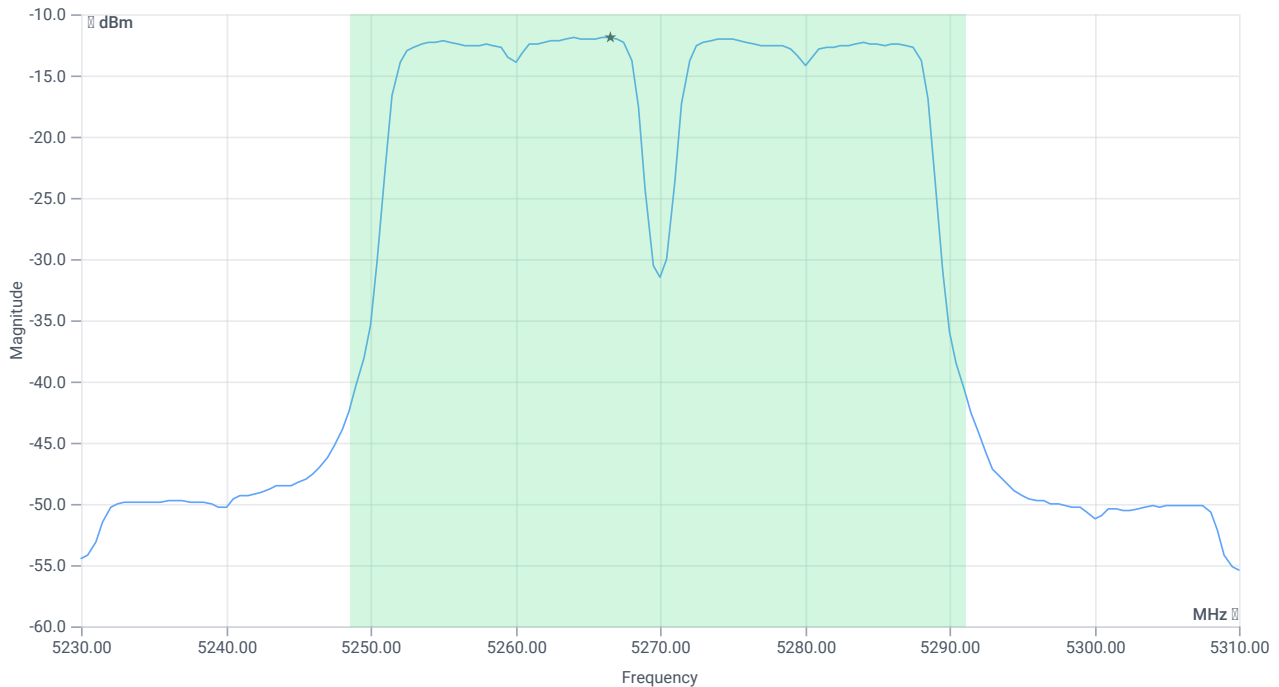
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5270 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.88 13.15 15
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	2.46	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	2.46	dBm	PASS
LIMIT: 11 dBm + 10 log 42.56					
Max output power DC corrected cond	--	27.29	2.46	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	6.16	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	--	--	-11.88	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-11.88	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:22:21
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5310 MHz

RESULT: Reference power cond.

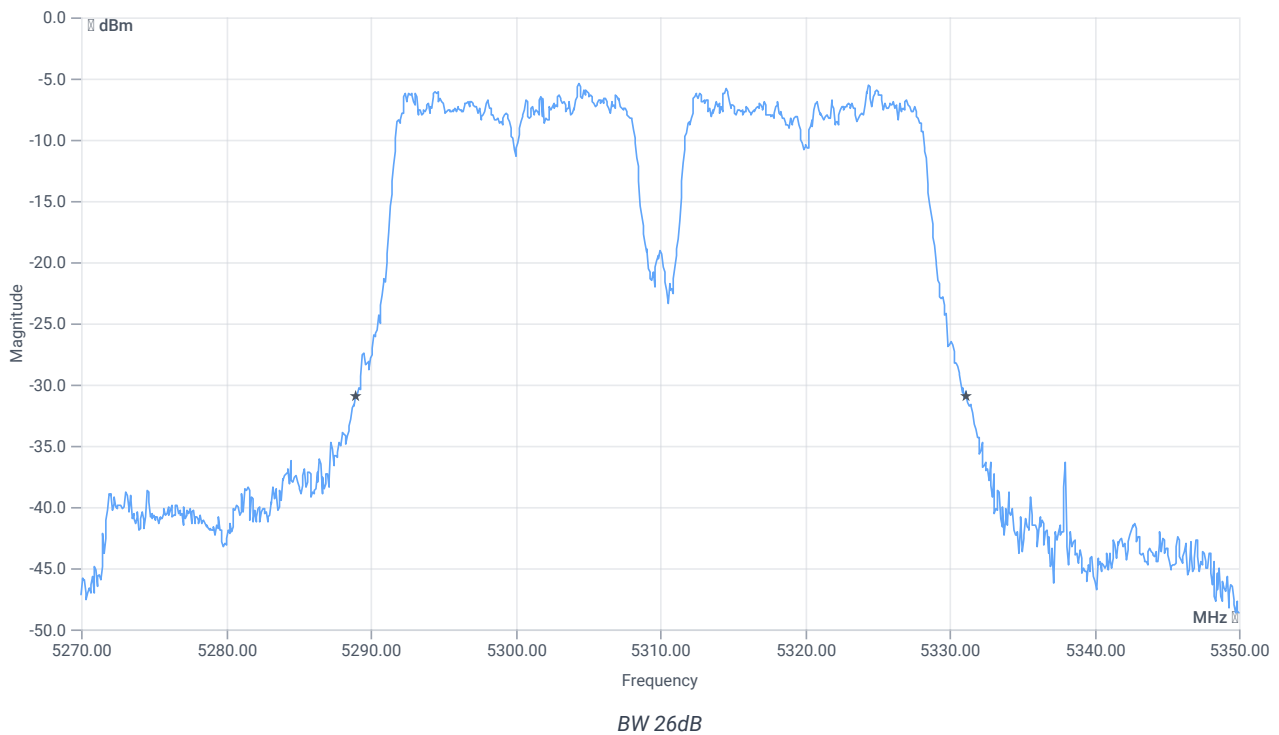
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.74	dBm	INFO
Ref. frequency	---	---	5305.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.24	MHz	INFO
T1 26dB	---	---	5288.9600	MHz	INFO
T2 26dB	---	---	5331.2000	MHz	INFO

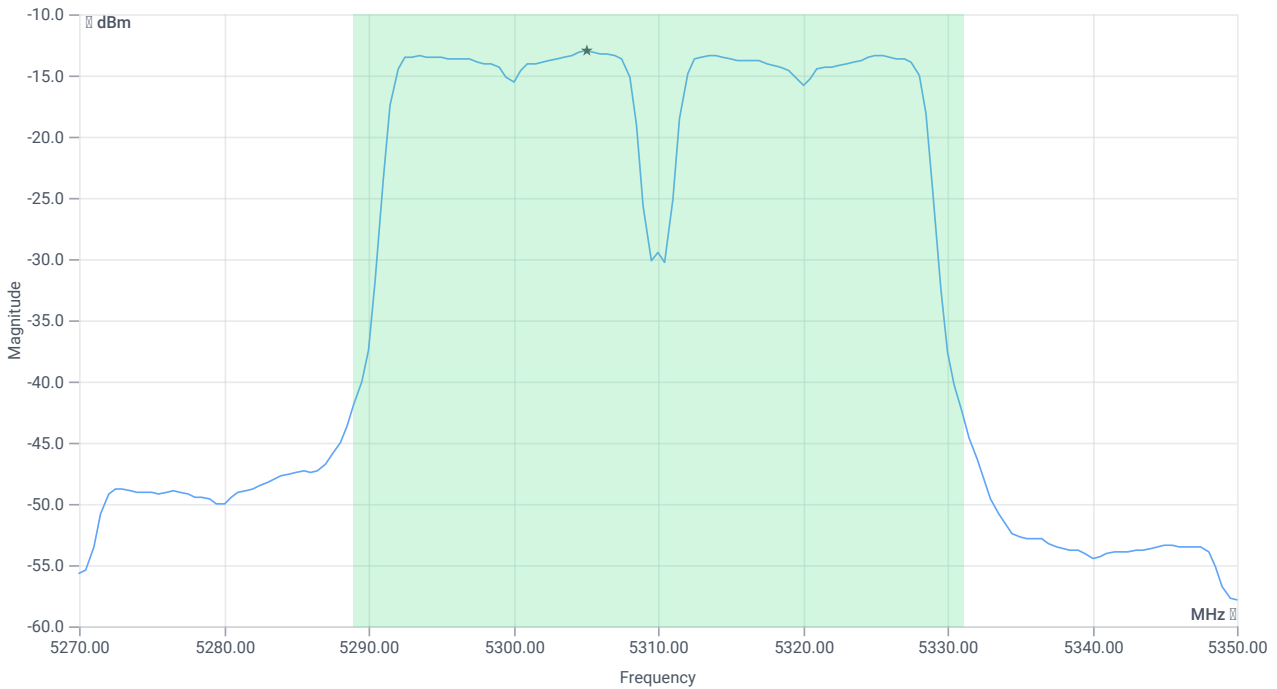
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.26 13.79 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	1.12	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.12	dBm	PASS
LIMIT: 11 dBm + 10 log 42.24					
Max output power DC corrected cond	---	27.26	1.12	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	4.82	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-12.98	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-12.98	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:26:01
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5310 MHz

RESULT: Reference power cond.

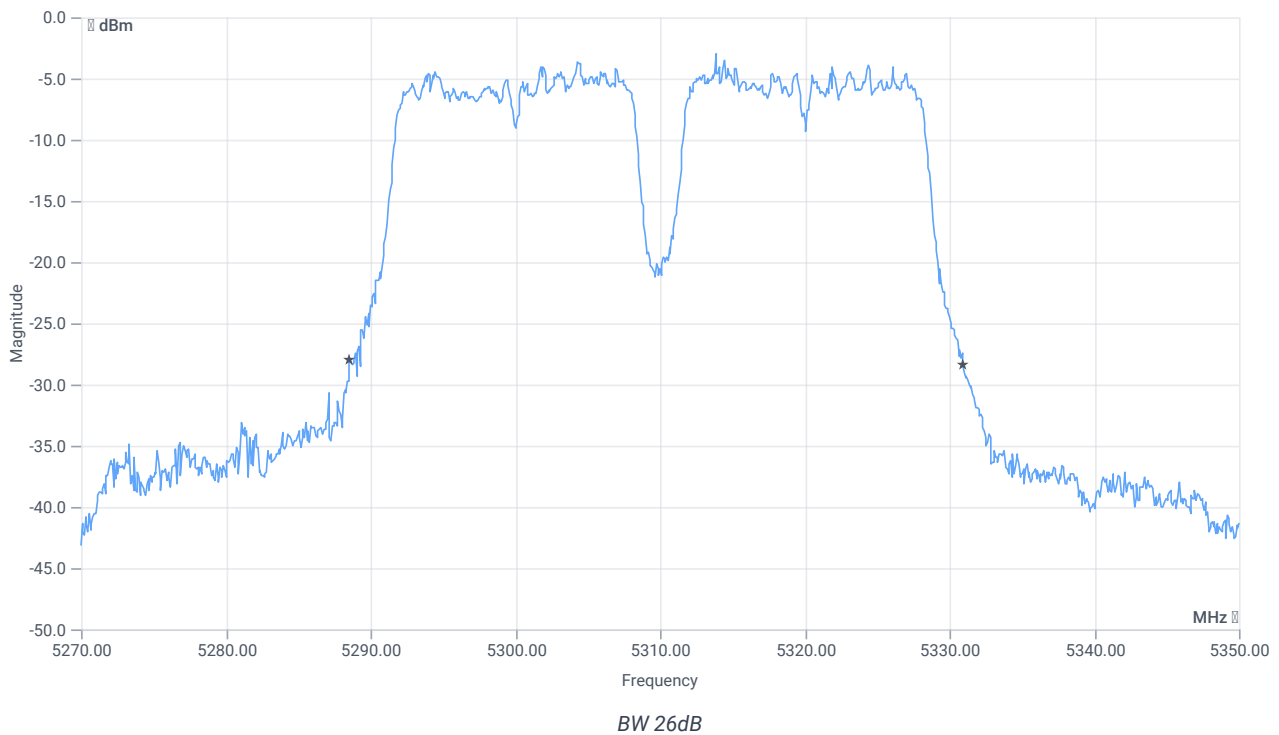
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.08	dBm	INFO
Ref. frequency	---	---	5314.400	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.4	MHz	INFO
T1 26dB	---	---	5288.5600	MHz	INFO
T2 26dB	---	---	5330.9600	MHz	INFO

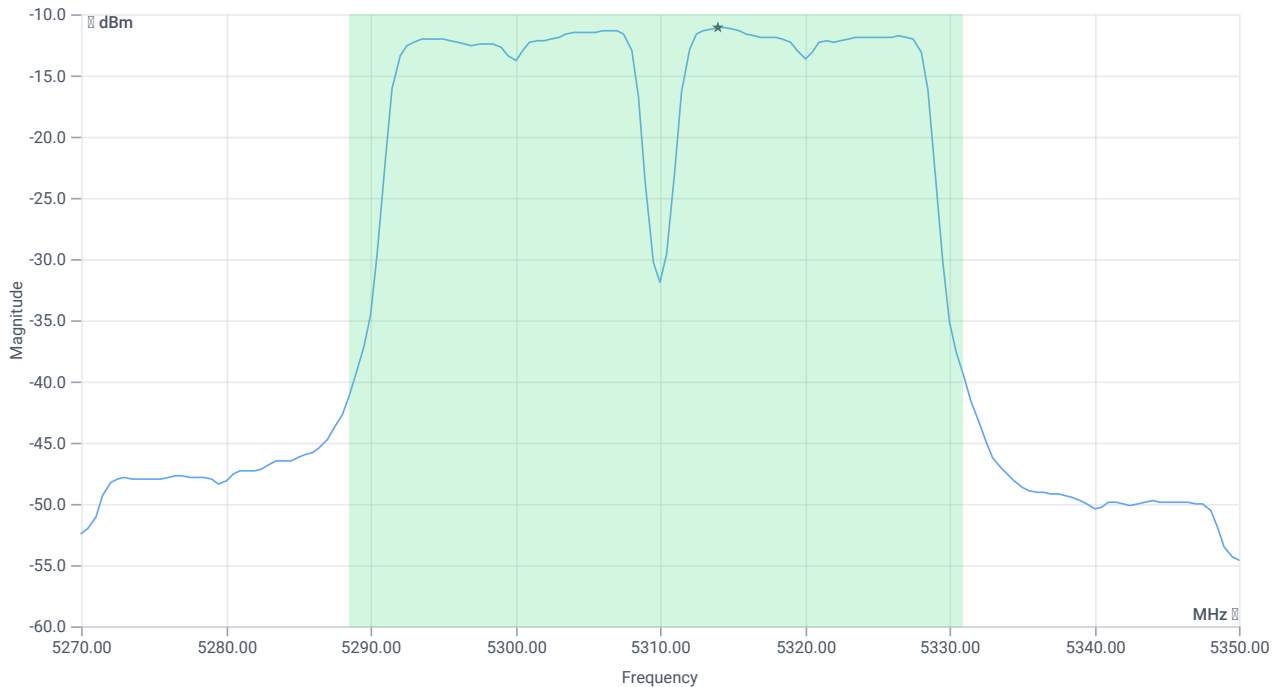
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5310 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.92 13.61 15
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	2.95	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	2.95	dBm	PASS
LIMIT: 11 dBm + 10 log 42.4					
Max output power DC corrected cond	---	27.27	2.95	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	6.65	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-11.08	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-11.08	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:01:36
Ambit temp [°C] humidity [rel%]	28.7 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 0
Frequency mid to test	True Freq [MHz] 5290
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5290 MHz

RESULT: Reference power cond.

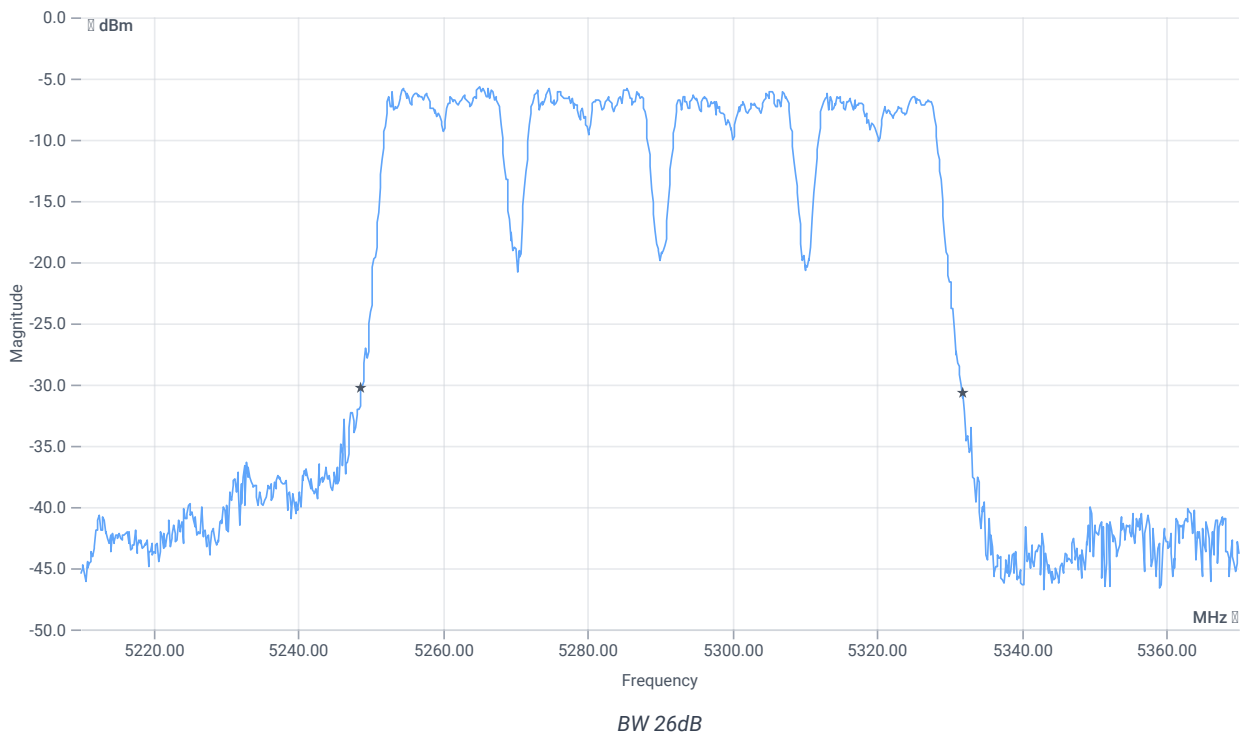
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.78	dBm	INFO
Ref. frequency	--	--	5276.010	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	83.2	MHz	INFO
T1 26dB	--	--	5248.7200	MHz	INFO
T2 26dB	--	--	5331.9200	MHz	INFO

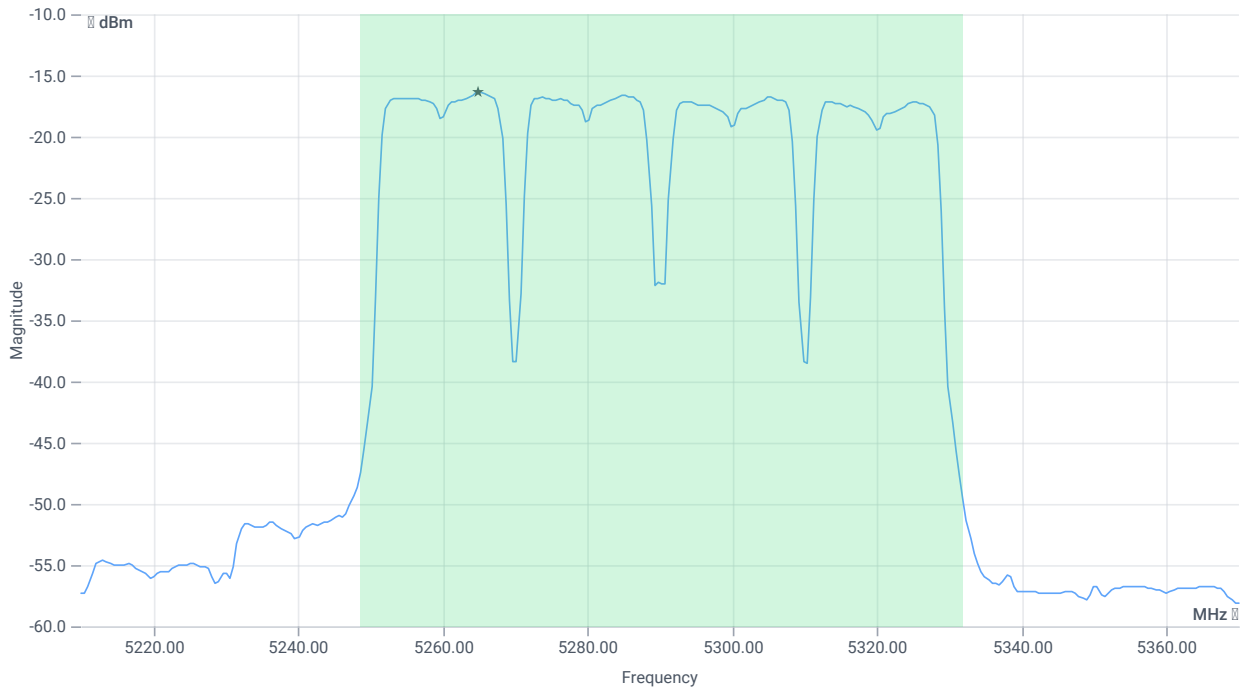
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.22 13.45 10
Start [MHz] Stop [MHz]	5210.000 5370.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	0.63	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	0.63	dBm	PASS
LIMIT: 11 dBm + 10 log 83.2					
Max output power DC corrected cond	---	30.2	0.63	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	4.33	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-16.38	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-16.38	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:07:18
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2A
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 0
Frequency mid to test	True Freq [MHz] 5290
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5290 MHz

RESULT: Reference power cond.

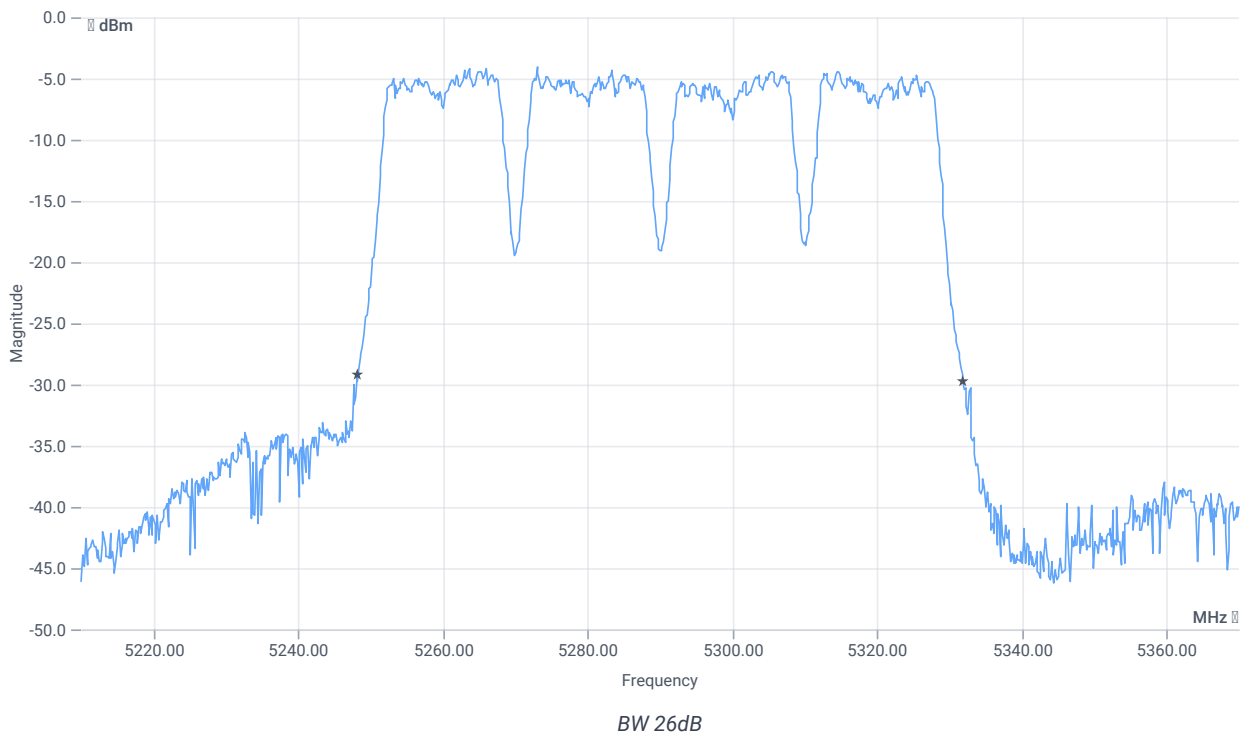
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-4.71	dBm	INFO
Ref. frequency	---	---	5304.990	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.84	MHz	INFO
T1 26dB	---	---	5248.0800	MHz	INFO
T2 26dB	---	---	5331.9200	MHz	INFO

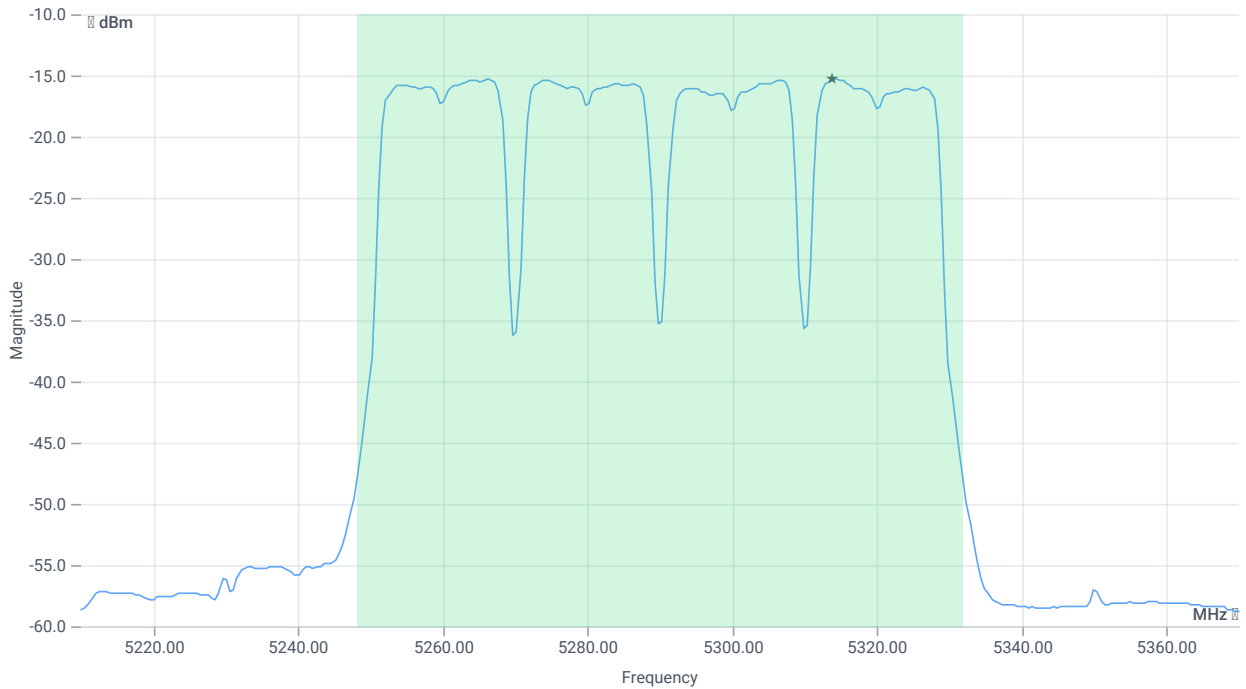
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 3.7 @ 5290 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.29 13.38 10
Start [MHz] Stop [MHz]	5210.000 5370.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	1.92	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	1.92	dBm	PASS
LIMIT: 11 dBm + 10 log 83.84					
Max output power DC corrected cond	---	30.23	1.92	dBm	PASS

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

LIMIT absolute eirp (TPC not supported)

Max output power DC corrected eirp	--	27	5.62	dBm	PASS
------------------------------------	----	----	------	-----	------

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-15.28	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-15.28	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:56:23
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5500 MHz

RESULT: Reference power cond.

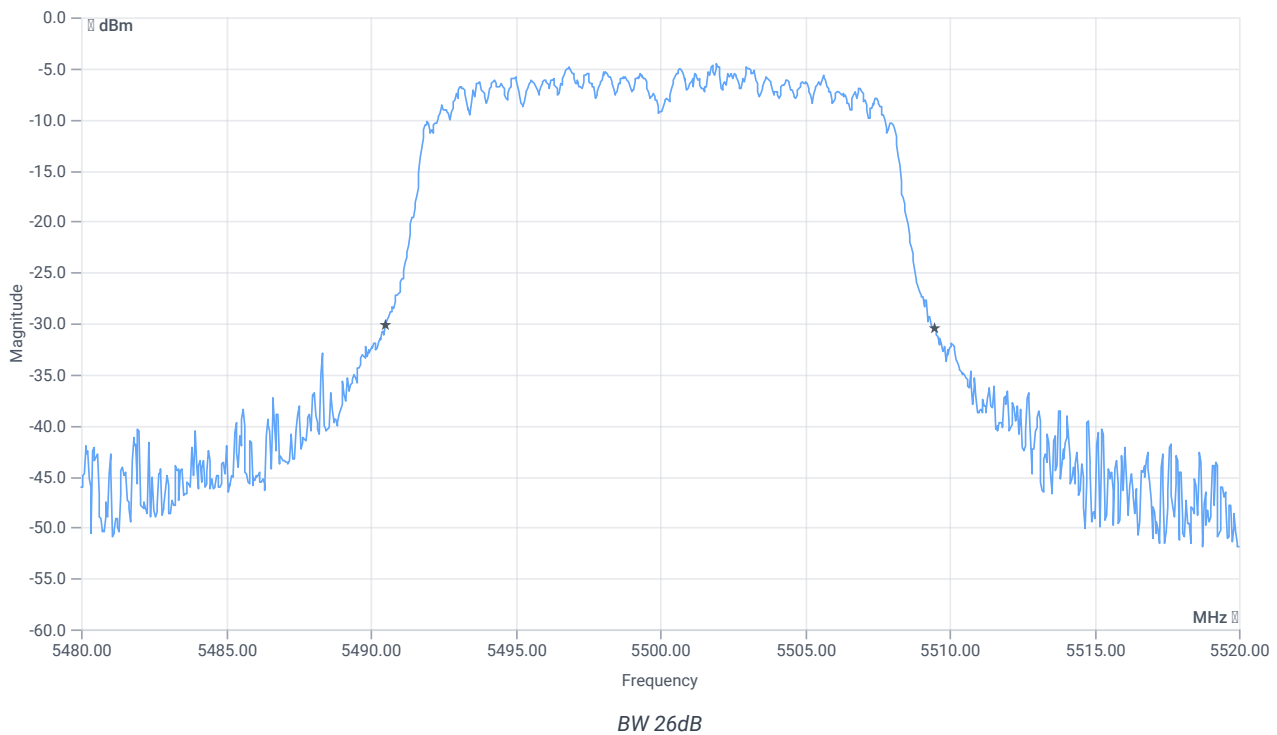
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.31	dBm	INFO
Ref. frequency	---	---	5502.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



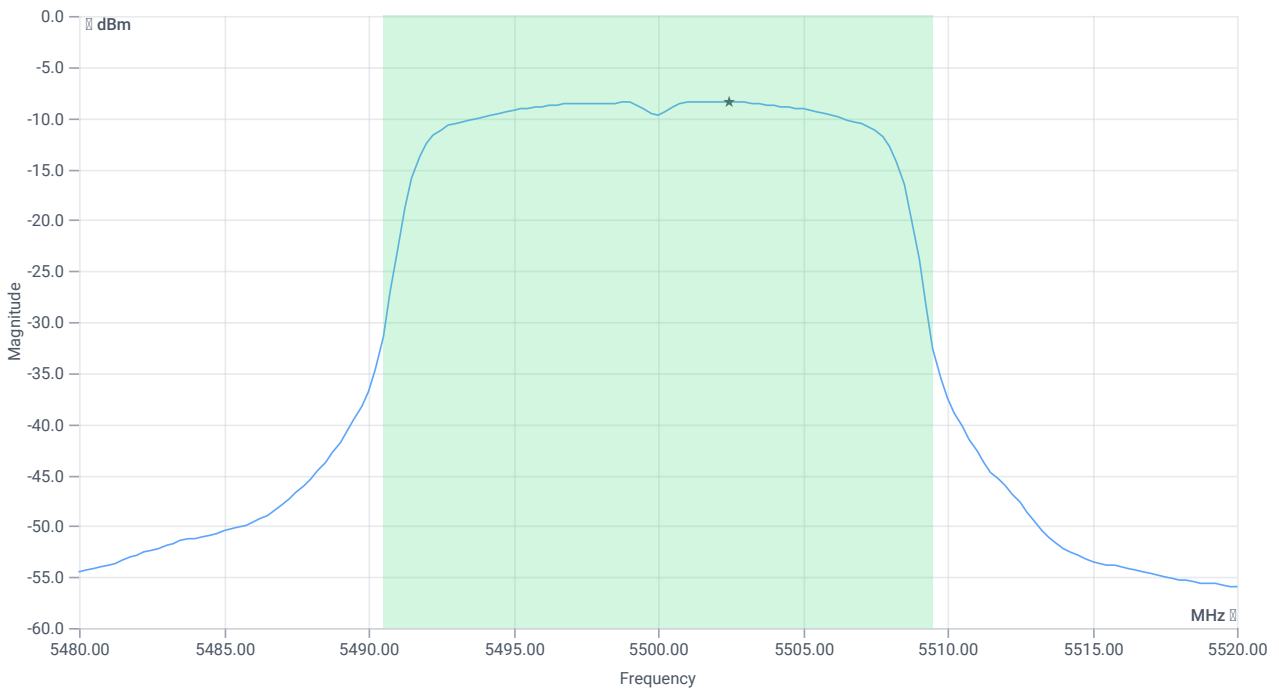
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.96	MHz	INFO
T1 26dB	---	---	5490.5200	MHz	INFO
T2 26dB	---	---	5509.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.69 13.54 15
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	2.62	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	2.62	dBm	PASS
LIMIT: 11 dBm + 10 log 18.96					
Max output power DC corrected cond	--	23.78	2.62	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	2.62	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.45	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.45	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 14:59:53
Ambit temp [°C] humidity [rel%]	28.0 41
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5500 MHz

RESULT: Reference power cond.

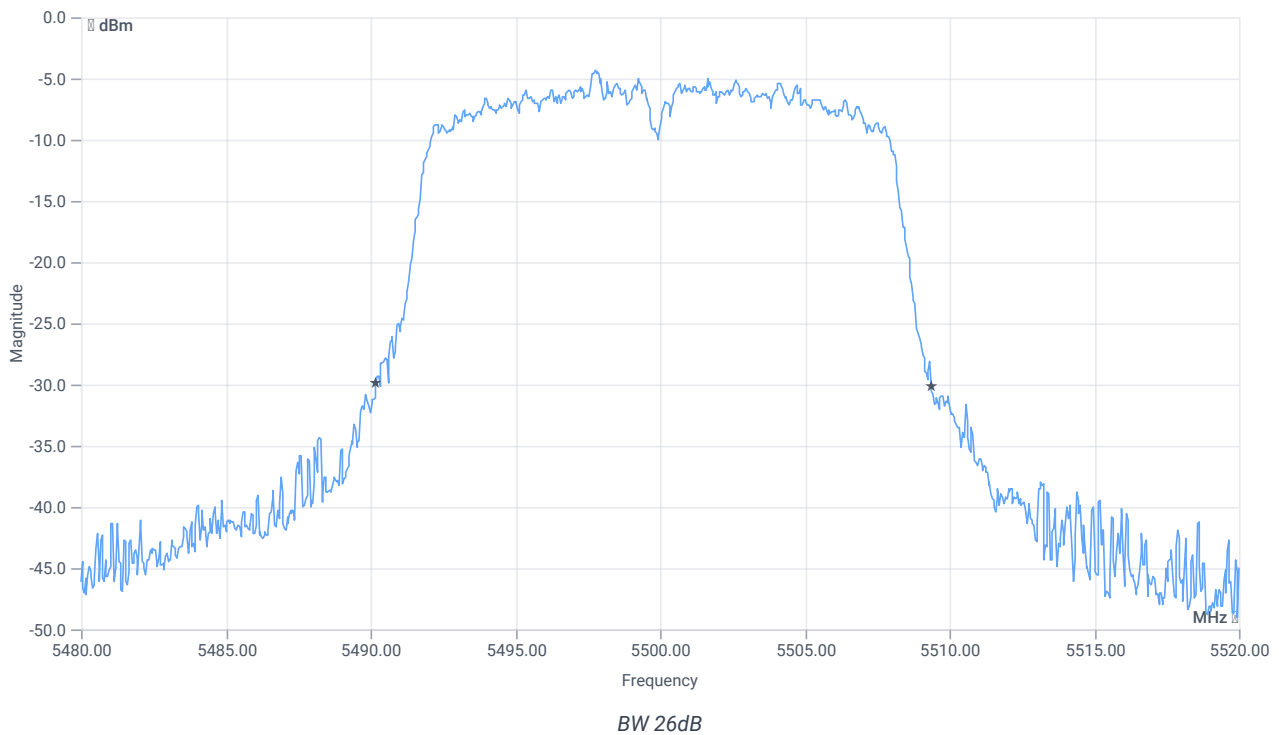
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.03	dBm	INFO
Ref. frequency	---	---	5496.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



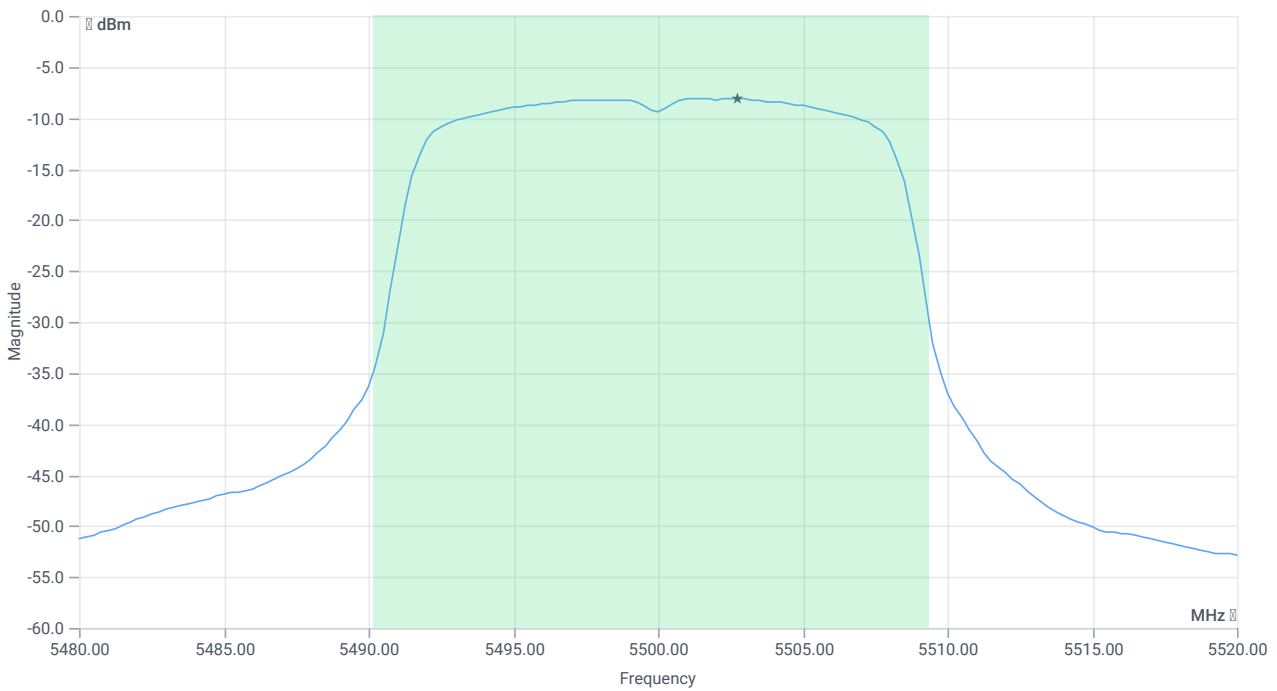
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.16	MHz	INFO
T1 26dB	---	---	5490.2000	MHz	INFO
T2 26dB	---	---	5509.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.97 13.42 15
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	2.92	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	2.92	dBm	PASS
LIMIT: 11 dBm + 10 log 19.16					
Max output power DC corrected cond	--	23.82	2.92	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	2.92	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.15	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.15	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:03:59
Ambit temp [°C] humidity [rel%]	28.0 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5600 MHz

RESULT: Reference power cond.

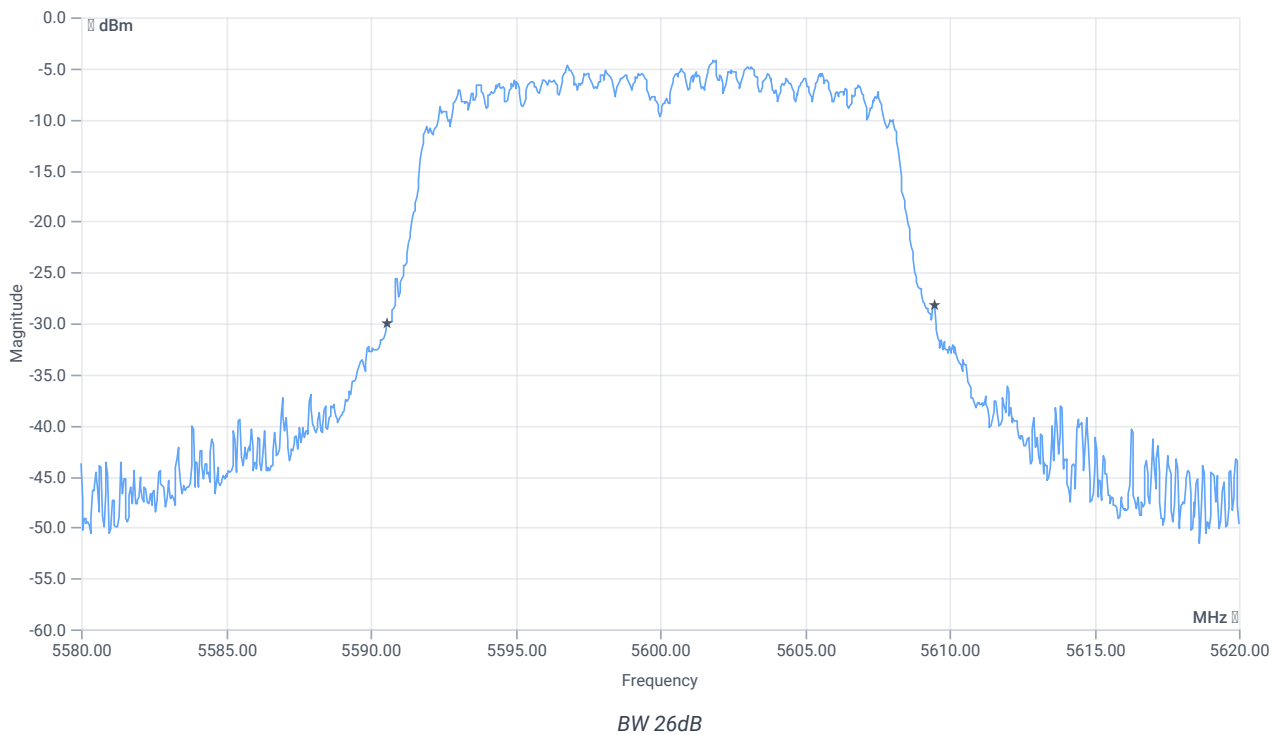
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	1.13	dBm	INFO
Ref. frequency	---	---	5602.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



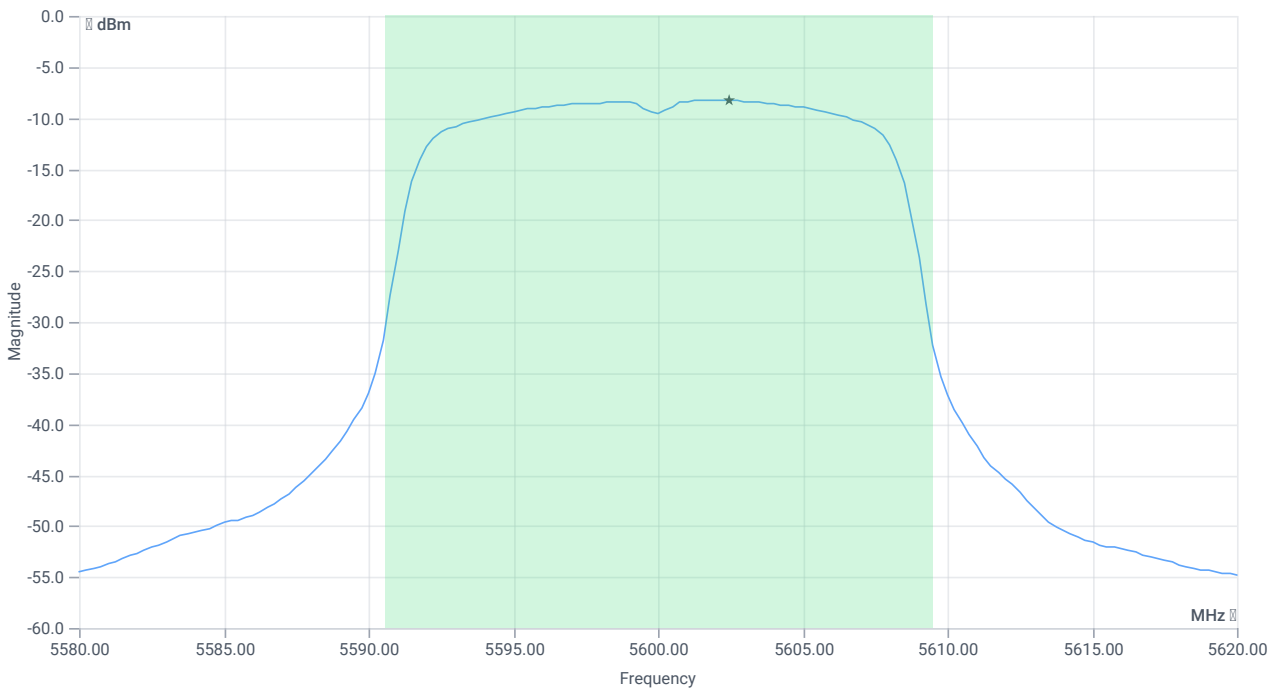
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.92	MHz	INFO
T1 26dB	---	---	5590.5600	MHz	INFO
T2 26dB	---	---	5609.4800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.13 13.81 15
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	2.66	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	2.66	dBm	PASS
LIMIT: 11 dBm + 10 log 18.92					
Max output power DC corrected cond	--	23.77	2.66	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	2.66	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-8.29	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-8.29	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:07:29
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5600 MHz

RESULT: Reference power cond.

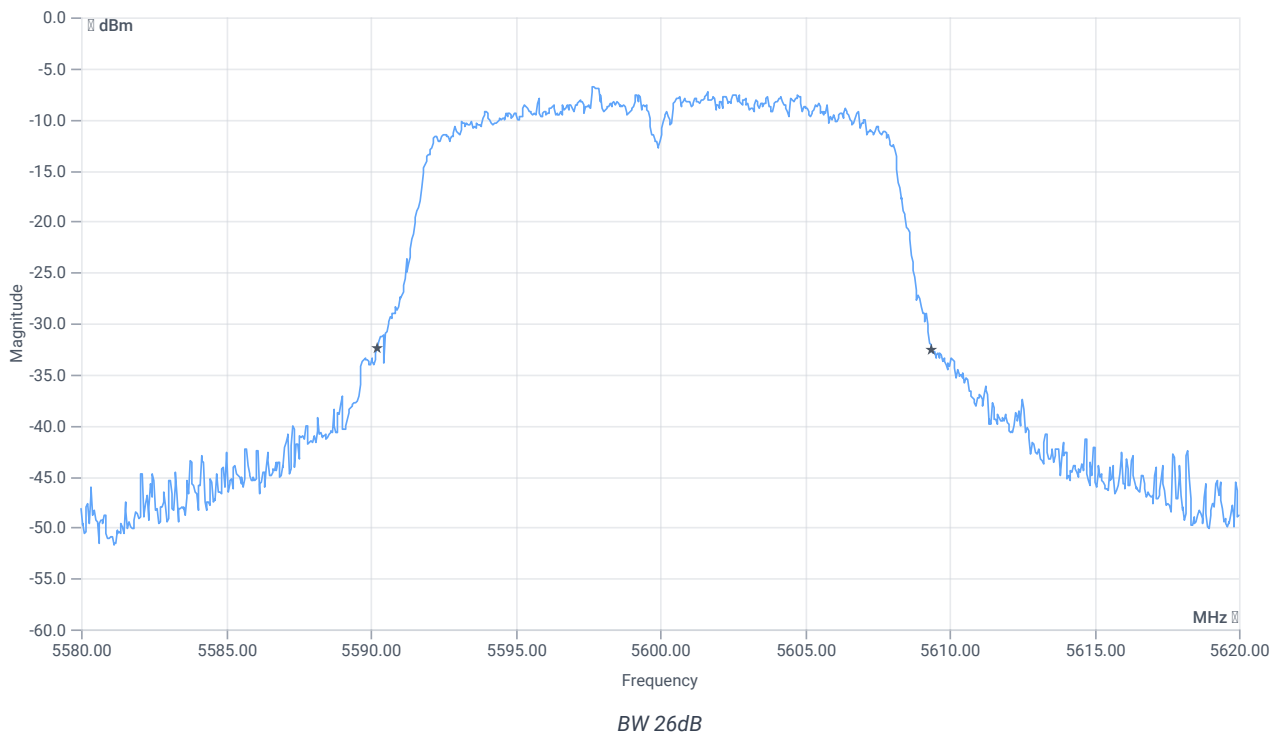
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.19	dBm	INFO
Ref. frequency	---	---	5603.200	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



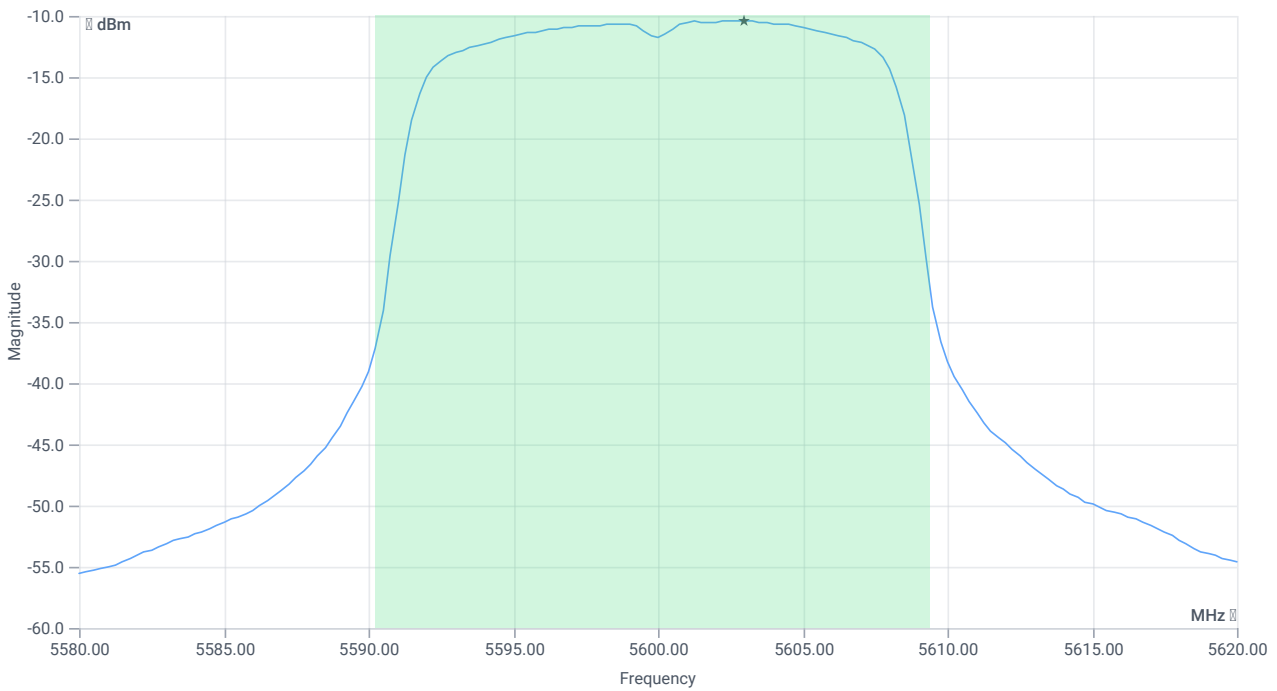
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.16	MHz	INFO
T1 26dB	---	---	5590.2400	MHz	INFO
T2 26dB	---	---	5609.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.81 13.5 15
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	0.55	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	0.55	dBm	PASS
LIMIT: 11 dBm + 10 log 19.16					
Max output power DC corrected cond	--	23.82	0.55	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	0.55	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	--	--	-10.4	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-10.4	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:12:10
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5700 MHz

RESULT: Reference power cond.

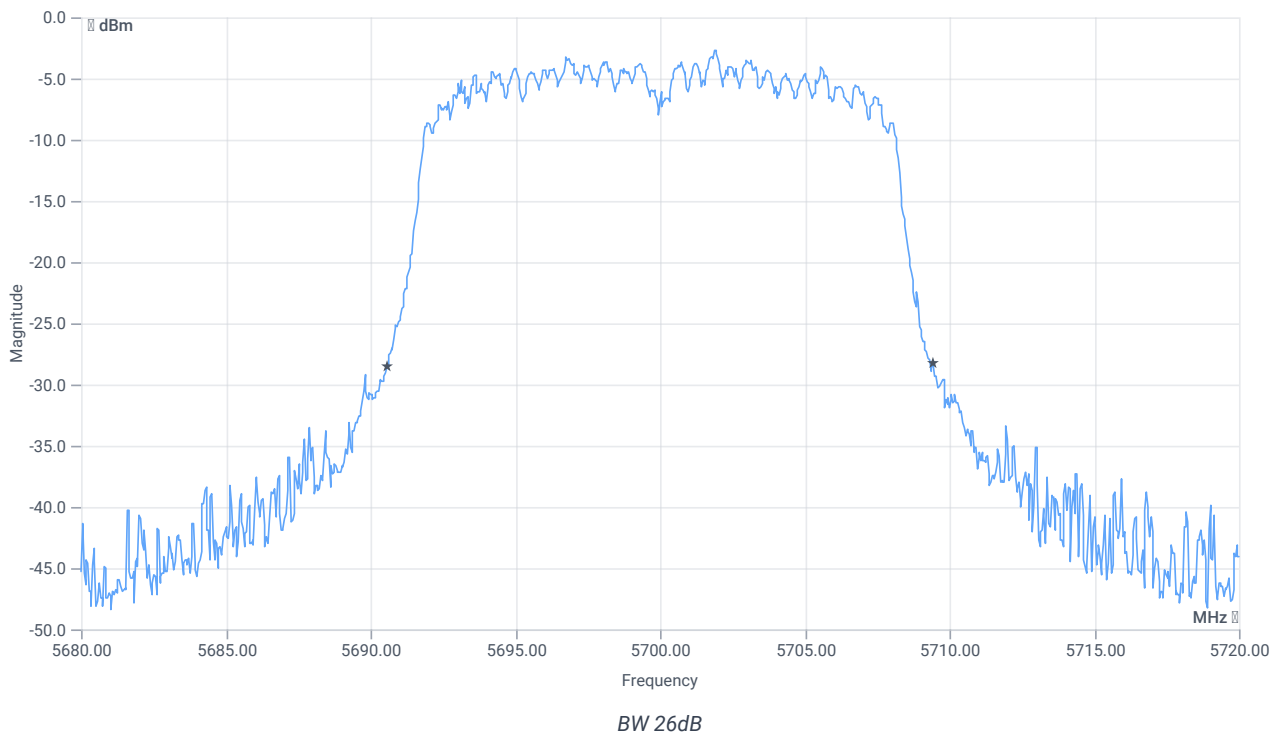
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	2.16	dBm	INFO
Ref. frequency	---	---	5702.600	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



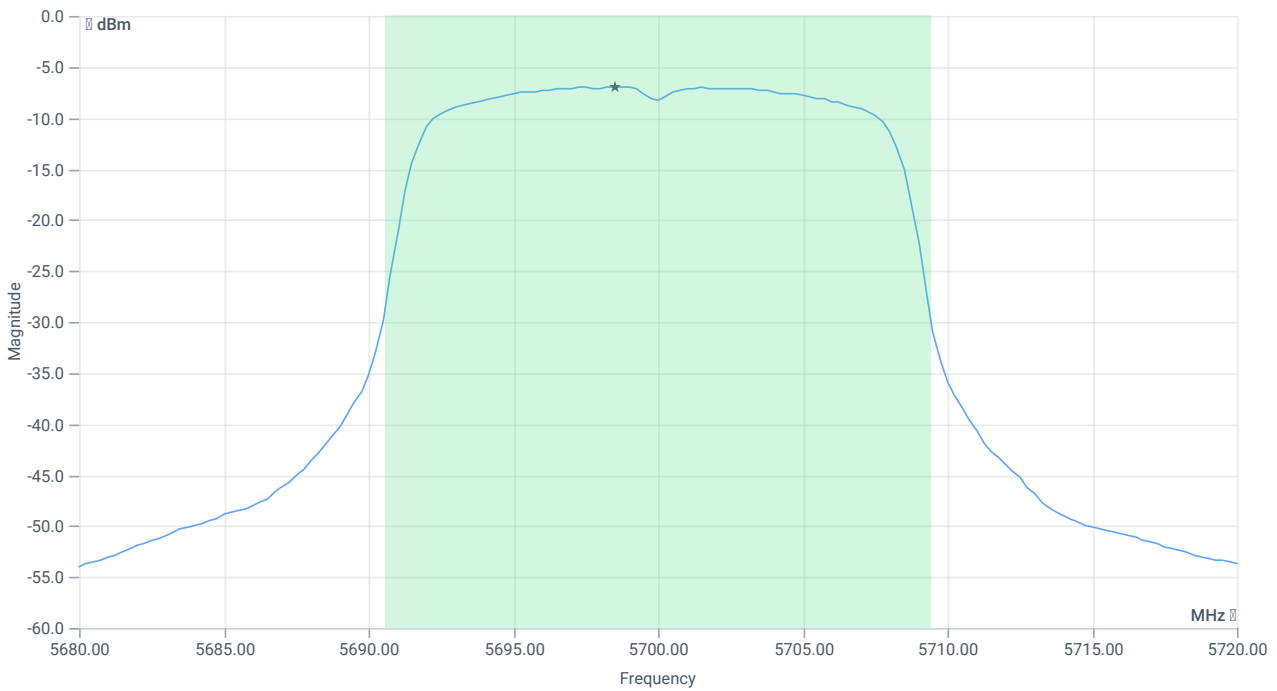
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.88	MHz	INFO
T1 26dB	---	---	5690.5600	MHz	INFO
T2 26dB	---	---	5709.4400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.16 13.47 15
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	4.09	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	4.09	dBm	PASS
LIMIT: 11 dBm + 10 log 18.88					
Max output power DC corrected cond	--	23.76	4.09	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	4.09	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-6.99	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-6.99	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:15:39
Ambit temp [°C] humidity [rel%]	28.1 40
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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 a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5700 MHz

RESULT: Reference power cond.

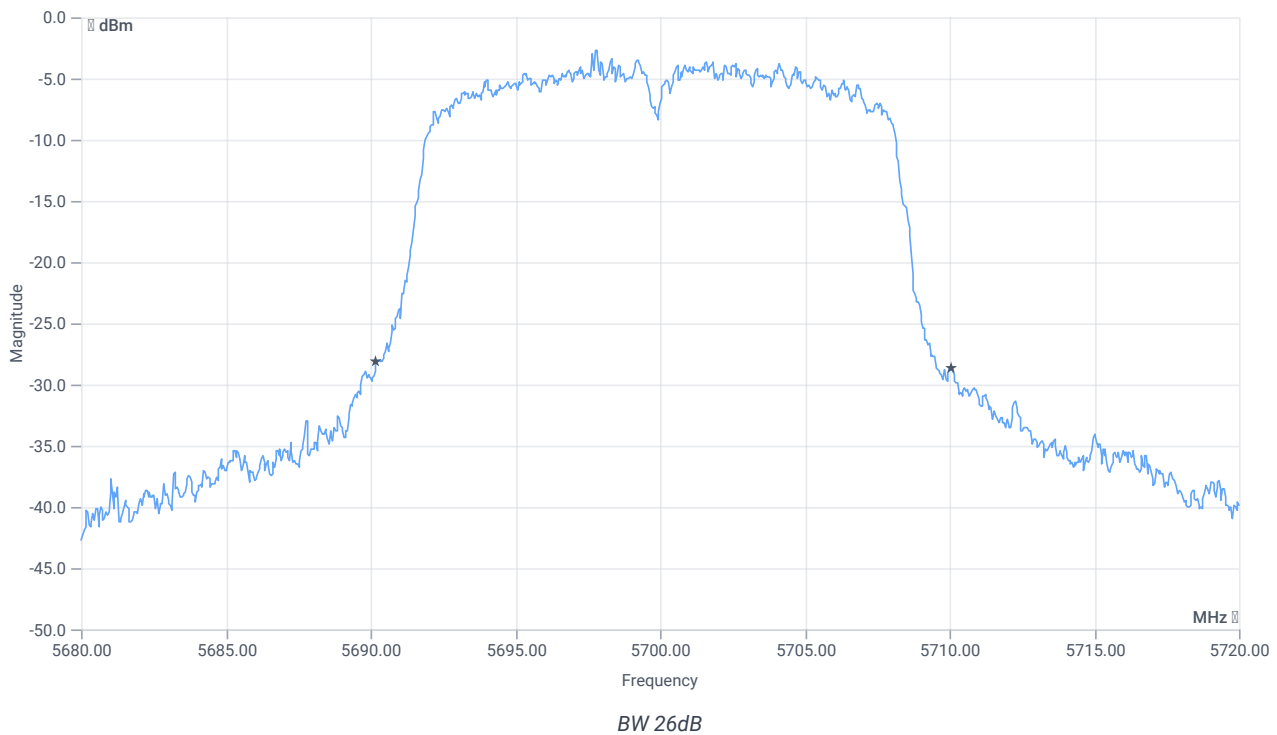
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.34	dBm	INFO
Ref. frequency	--	--	5702.800	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



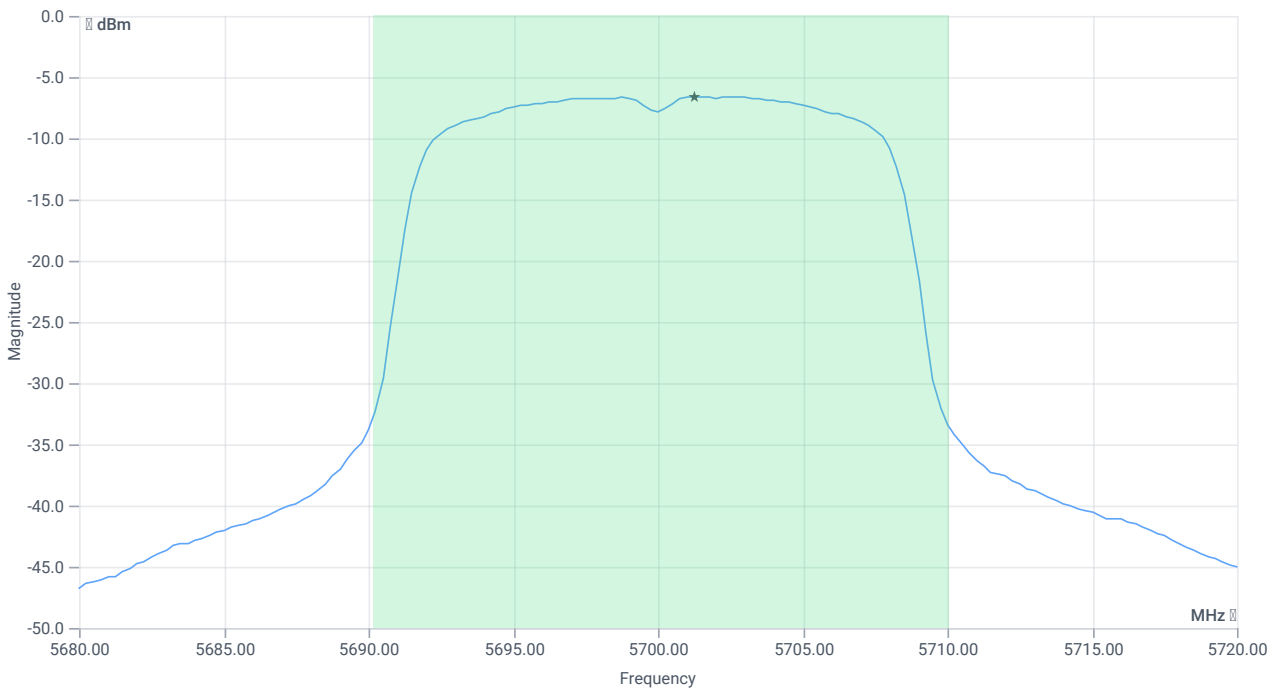
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	19.88	MHz	INFO
T1 26dB	--	--	5690.2000	MHz	INFO
T2 26dB	--	--	5710.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.34 13.43 15
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	4.42	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	4.42	dBm	PASS
LIMIT: 11 dBm + 10 log 19.88					
Max output power DC corrected cond	--	23.98	4.42	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	4.42	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-6.59	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-6.59	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:42:11
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5500 MHz

RESULT: Reference power cond.

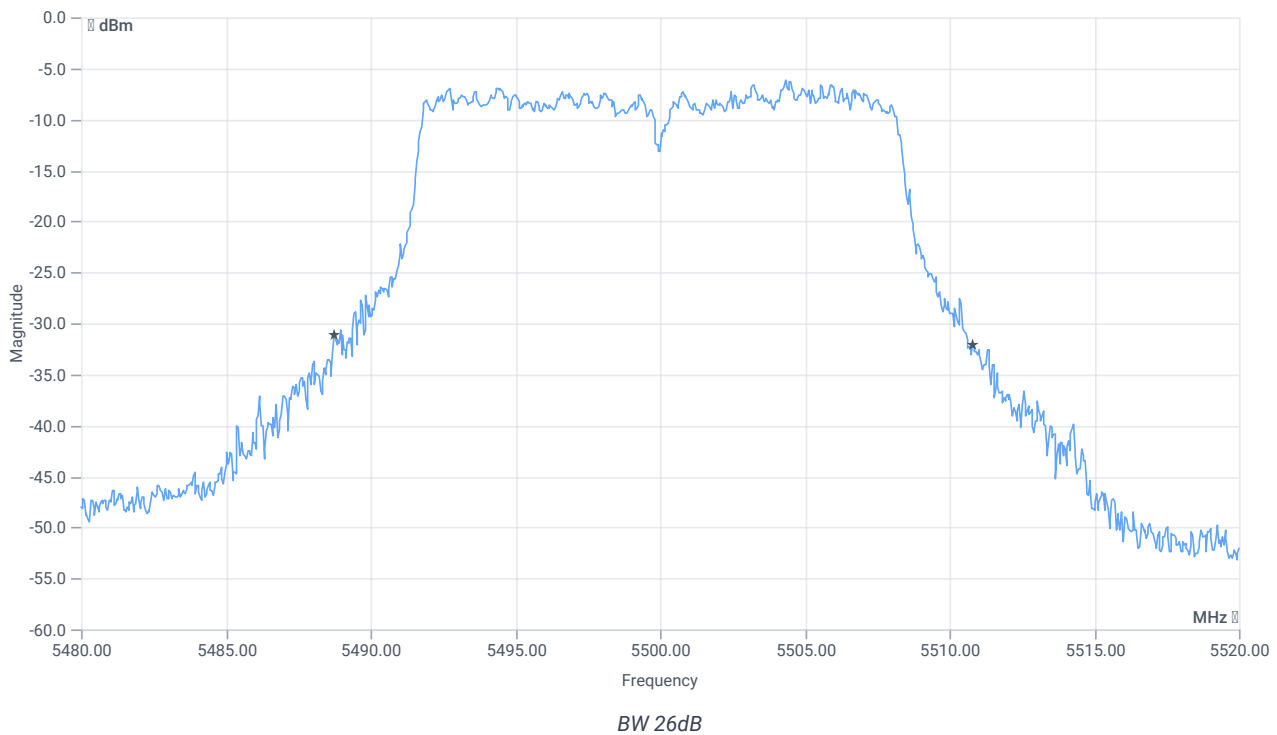
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.85	dBm	INFO
Ref. frequency	---	---	5505.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



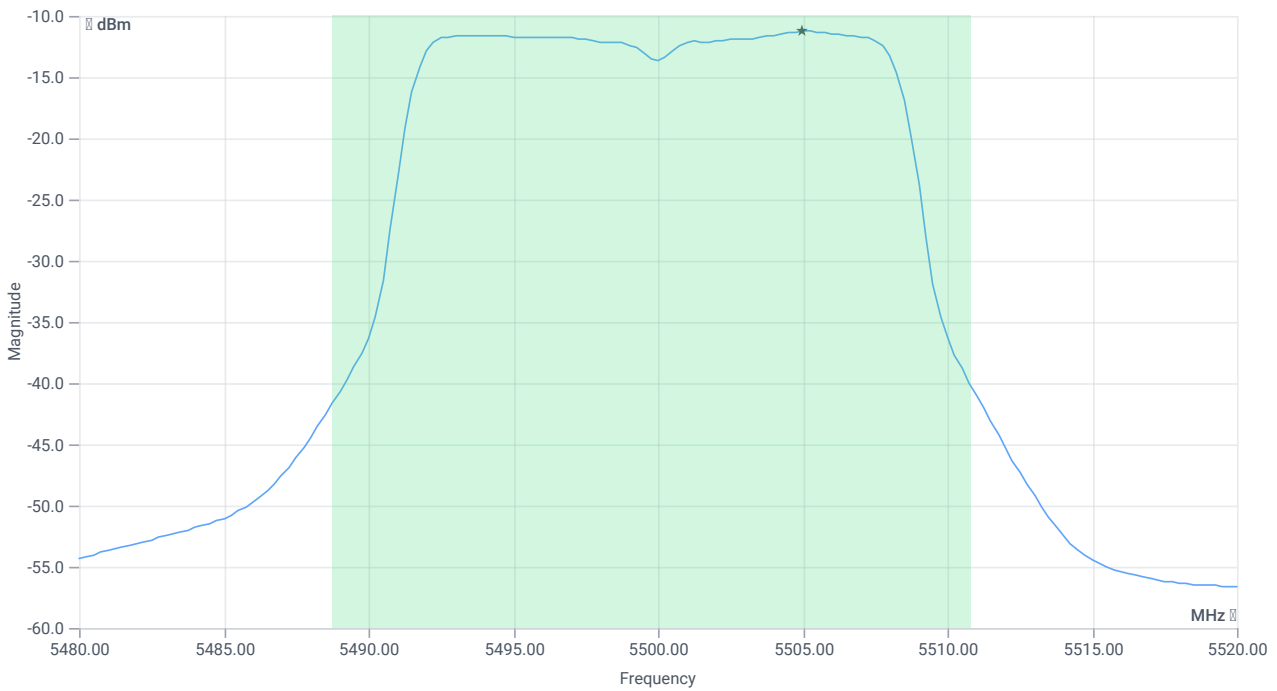
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.08	MHz	INFO
T1 26dB	---	---	5488.7200	MHz	INFO
T2 26dB	---	---	5510.8000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.15 13.54 15
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	0.04	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	0.04	dBm	PASS
LIMIT: 11 dBm + 10 log 22.08					
Max output power DC corrected cond	--	24.44	0.04	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	0.04	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-11.24	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-11.24	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:45:39
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5500 MHz

RESULT: Reference power cond.

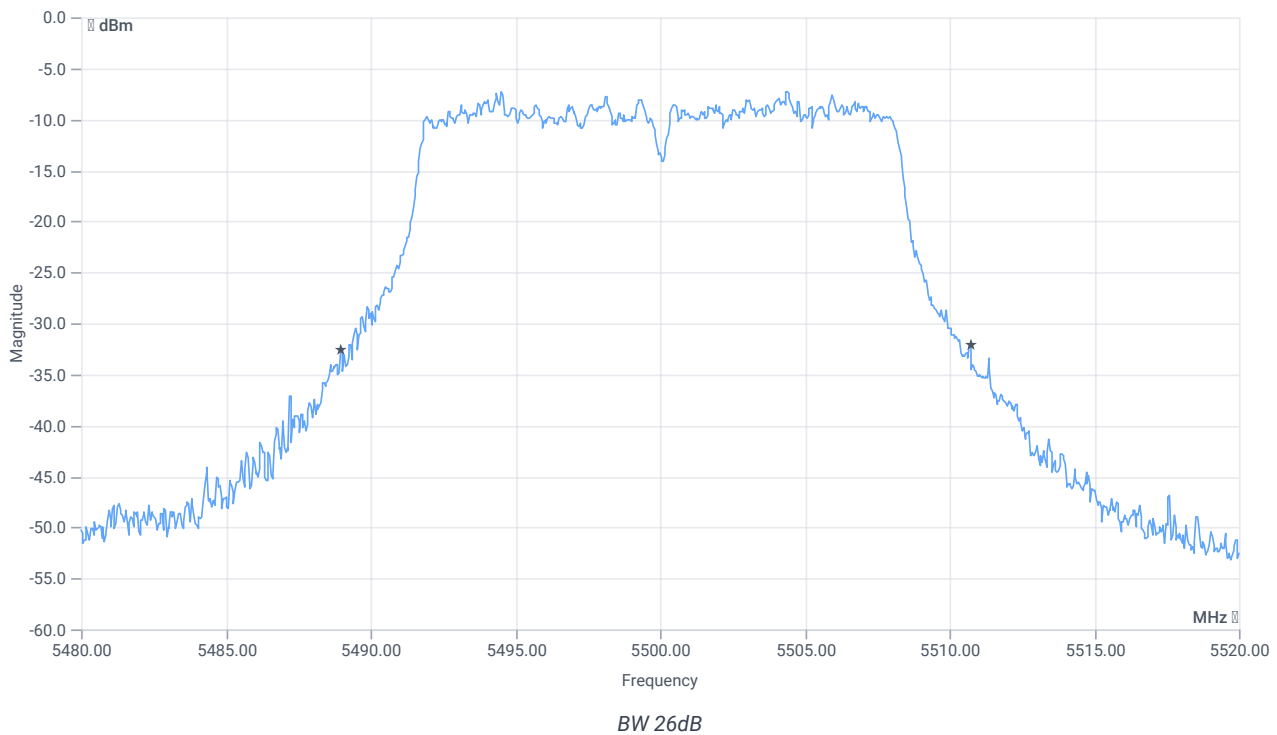
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.18	dBm	INFO
Ref. frequency	---	---	5503.200	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



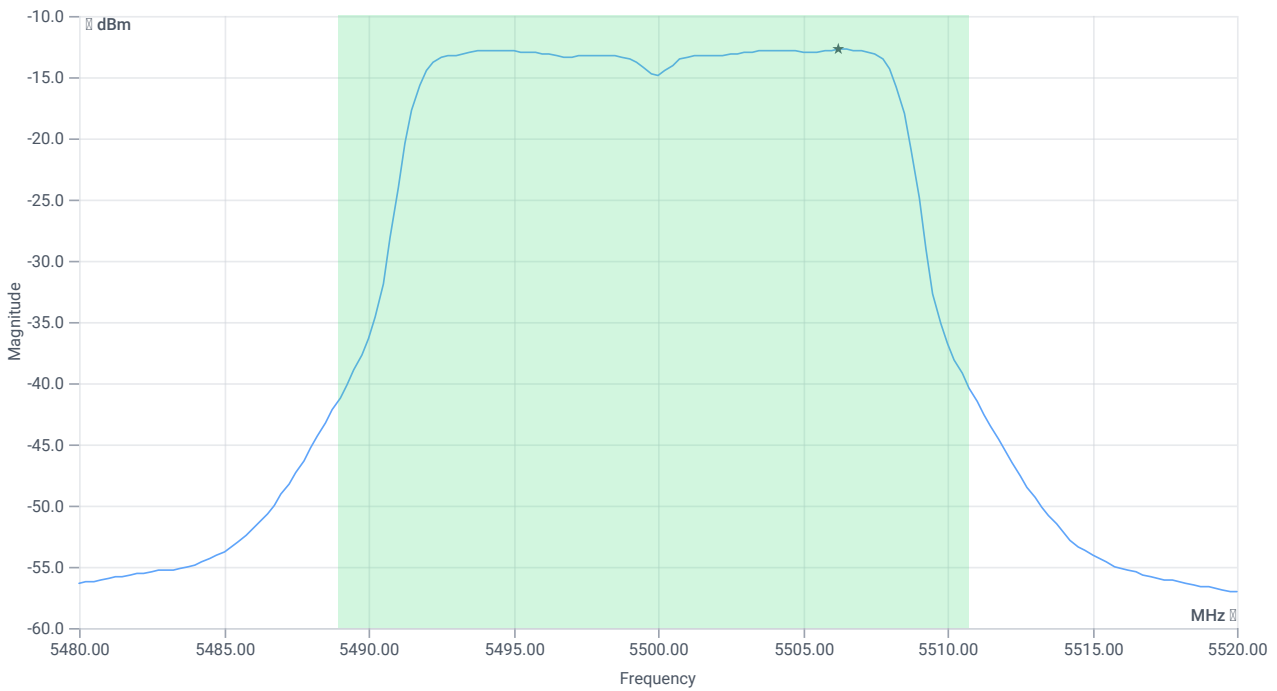
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.76	MHz	INFO
T1 26dB	---	---	5488.9600	MHz	INFO
T2 26dB	---	---	5510.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.82 13.42 15
Start [MHz] Stop [MHz]	5480.000 5520.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-1.24	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-1.24	dBm	PASS
LIMIT: 11 dBm + 10 log 21.76					
Max output power DC corrected cond	--	24.38	-1.24	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-1.24	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-12.75	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-12.75	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 15:58:42
Ambit temp [°C] humidity [rel%]	28.2 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5600 MHz

RESULT: Reference power cond.

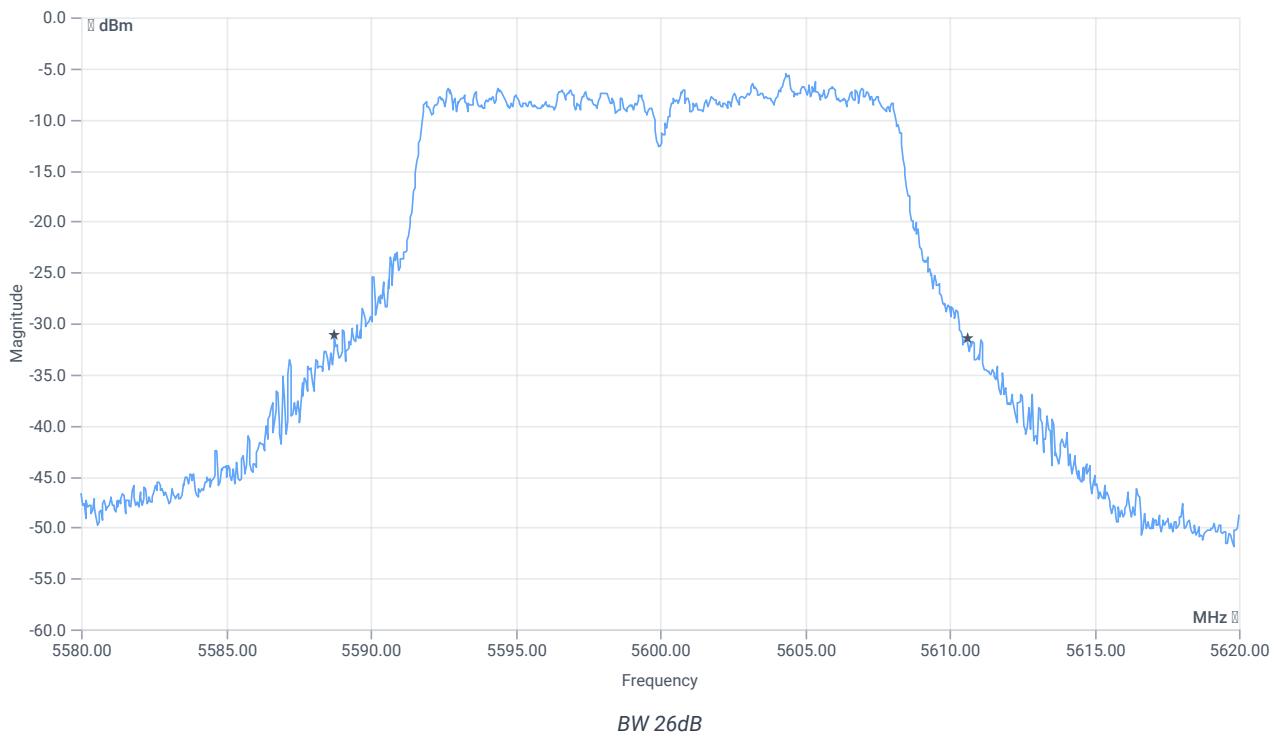
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.36	dBm	INFO
Ref. frequency	---	---	5605.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



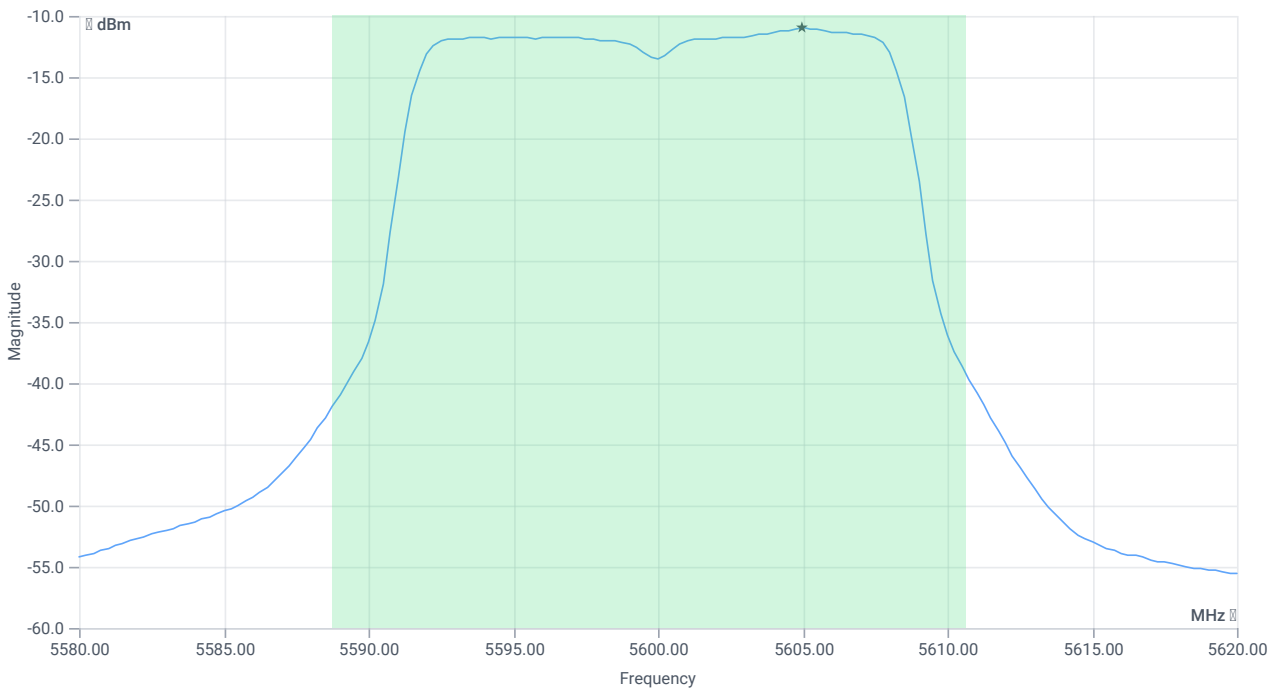
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.84	MHz	INFO
T1 26dB	---	---	5588.7600	MHz	INFO
T2 26dB	---	---	5610.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.64 13.81 15
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	0.11	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	0.11	dBm	PASS
LIMIT: 11 dBm + 10 log 21.84					
Max output power DC corrected cond	--	24.39	0.11	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	0.11	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-11.01	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-11.01	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:02:07
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	True Freq [MHz] 5600
Frequency high to test	False Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5600 MHz

RESULT: Reference power cond.

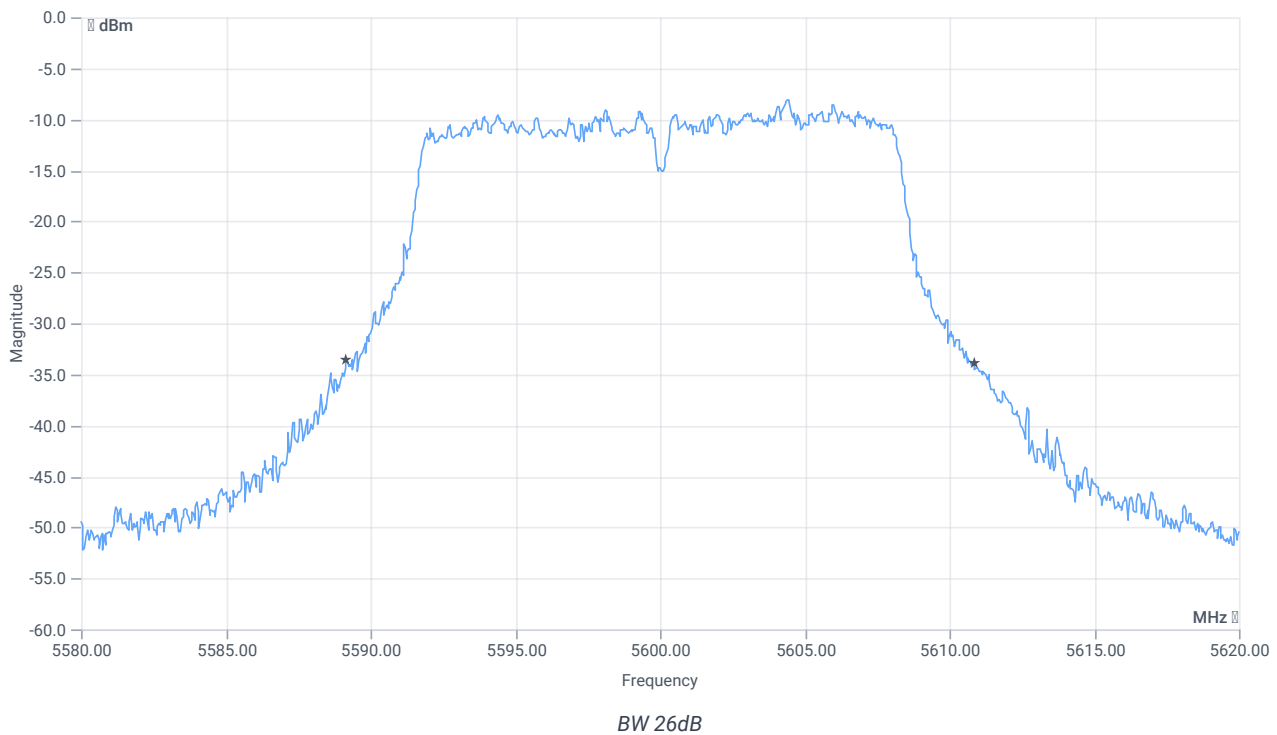
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-3.71	dBm	INFO
Ref. frequency	---	---	5602.800	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



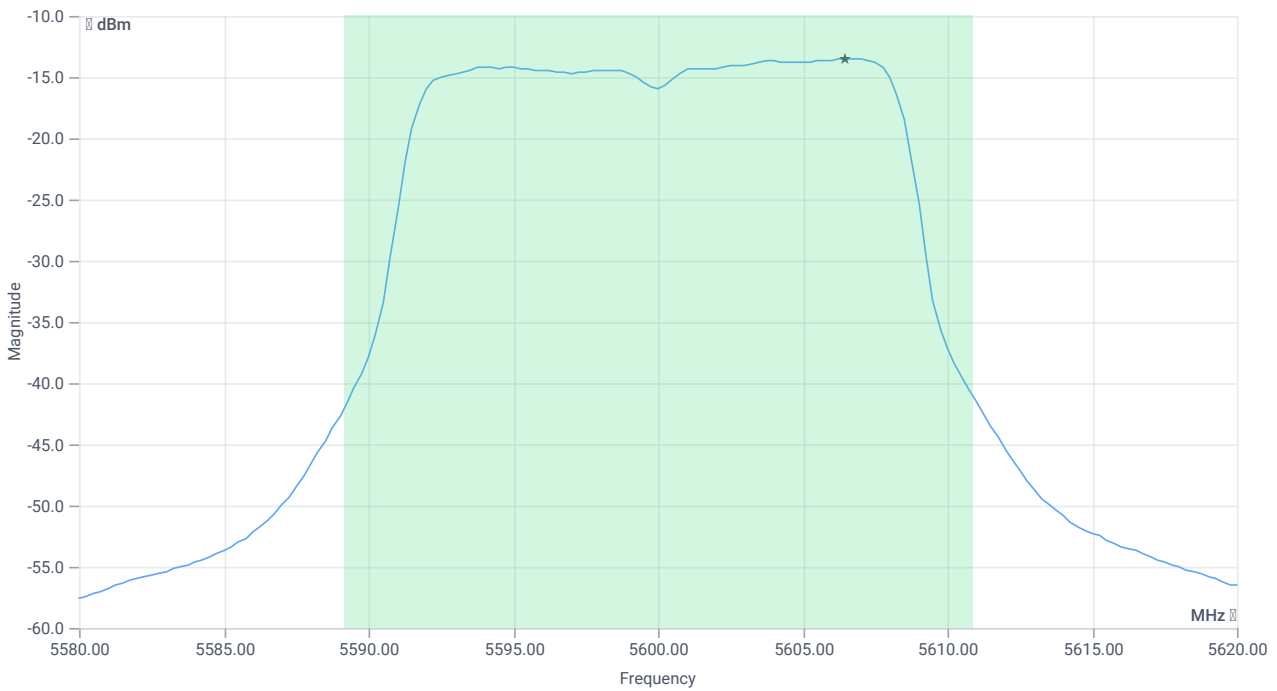
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.68	MHz	INFO
T1 26dB	---	---	5589.1600	MHz	INFO
T2 26dB	---	---	5610.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.29 13.5 10
Start [MHz] Stop [MHz]	5580.000 5620.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-2.35	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-2.35	dBm	PASS
LIMIT: 11 dBm + 10 log 21.68					
Max output power DC corrected cond	--	24.36	-2.35	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-2.35	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-13.5	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-13.5	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:06:10
Ambit temp [°C] humidity [rel%]	28.3 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5700 MHz

RESULT: Reference power cond.

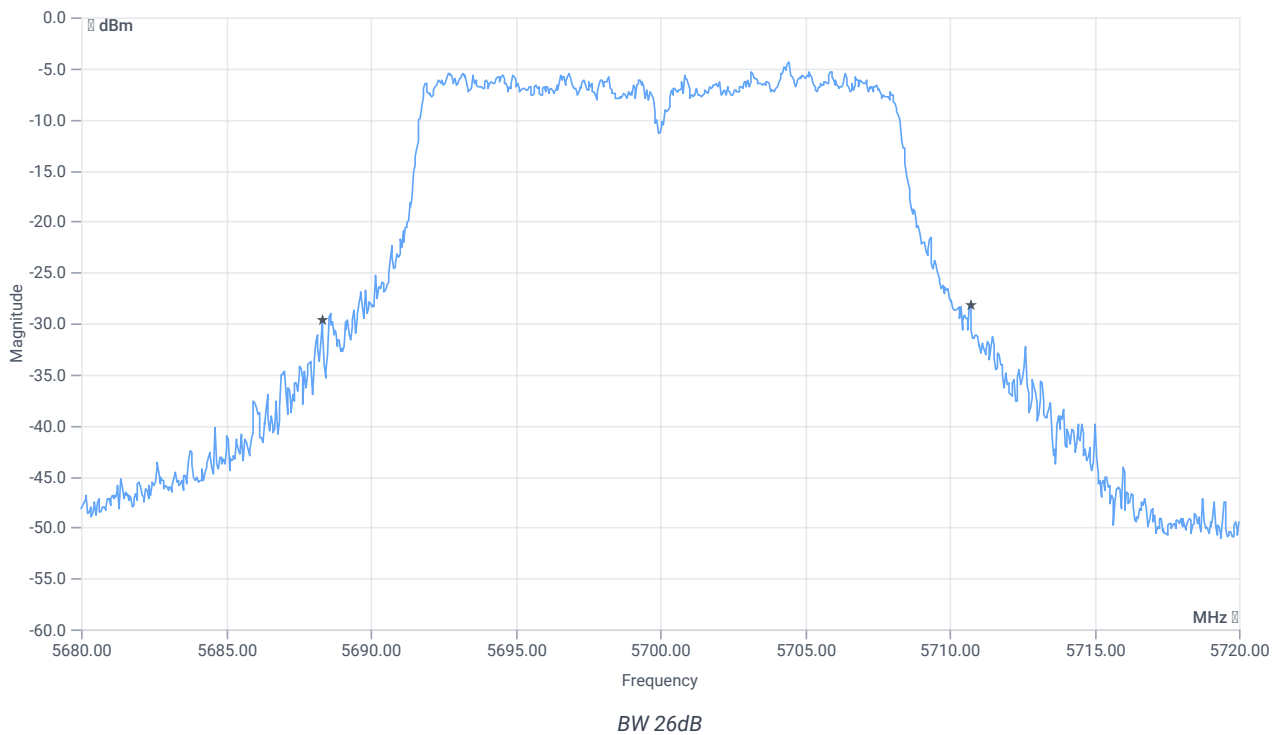
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	0.32	dBm	INFO
Ref. frequency	---	---	5692.810	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



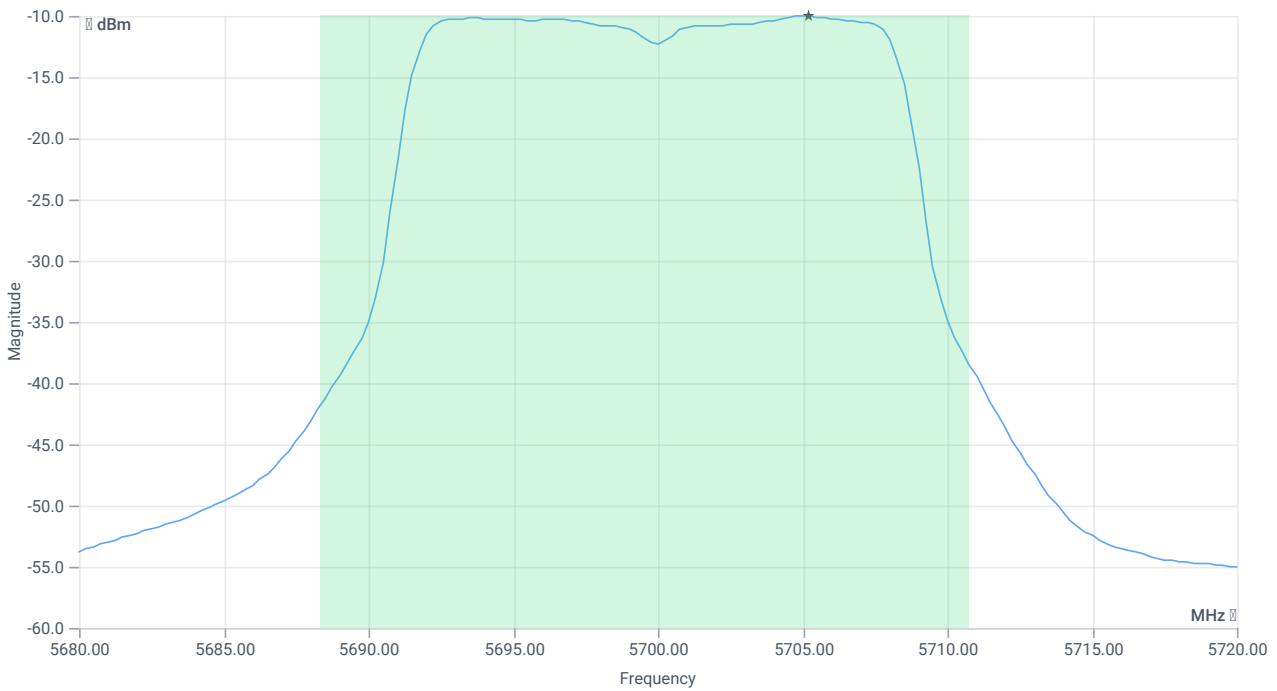
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.4	MHz	INFO
T1 26dB	---	---	5688.3200	MHz	INFO
T2 26dB	---	---	5710.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.32 13.47 15
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	1.36	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	1.36	dBm	PASS
LIMIT: 11 dBm + 10 log 22.4					
Max output power DC corrected cond	--	24.5	1.36	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	1.36	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-10	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-10	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:09:38
Ambit temp [°C] humidity [rel%]	28.4 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5500
Frequency mid to test	False Freq [MHz] 5600
Frequency high to test	True Freq [MHz] 5700
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5700 MHz

RESULT: Reference power cond.

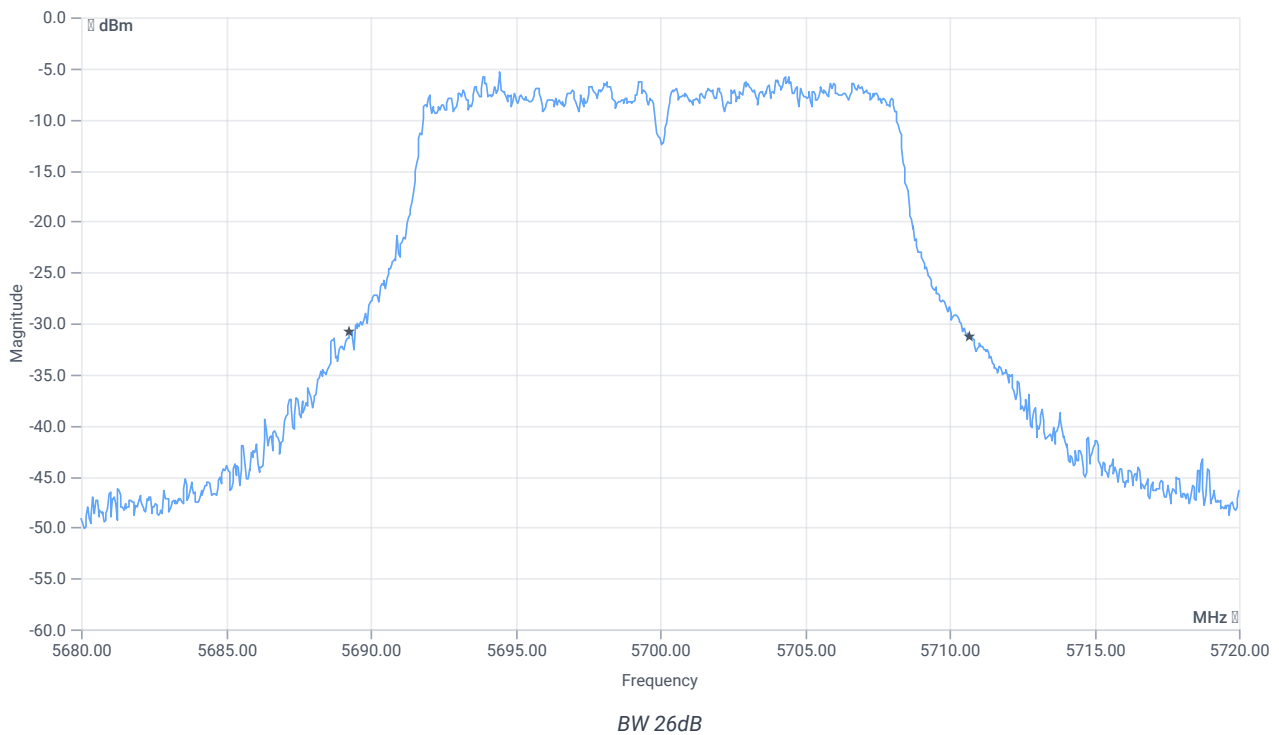
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-0.17	dBm	INFO
Ref. frequency	---	---	5704.800	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



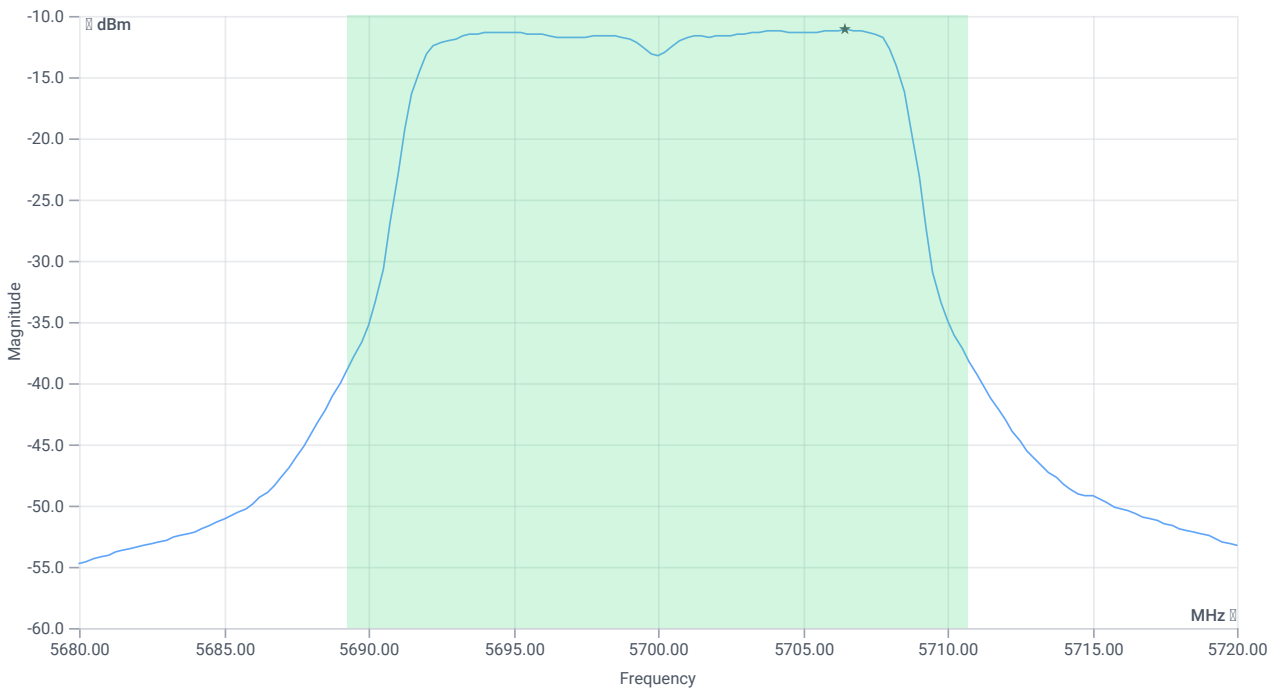
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.4	MHz	INFO
T1 26dB	---	---	5689.2800	MHz	INFO
T2 26dB	---	---	5710.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.83 13.43 15
Start [MHz] Stop [MHz]	5680.000 5720.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	0.3	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	0.3	dBm	PASS
LIMIT: 11 dBm + 10 log 21.4					
Max output power DC corrected cond	--	24.3	0.3	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	0.3	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-11.13	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-11.13	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:31:07
Ambit temp [°C] humidity [rel%]	28.5 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5510 MHz

RESULT: Reference power cond.

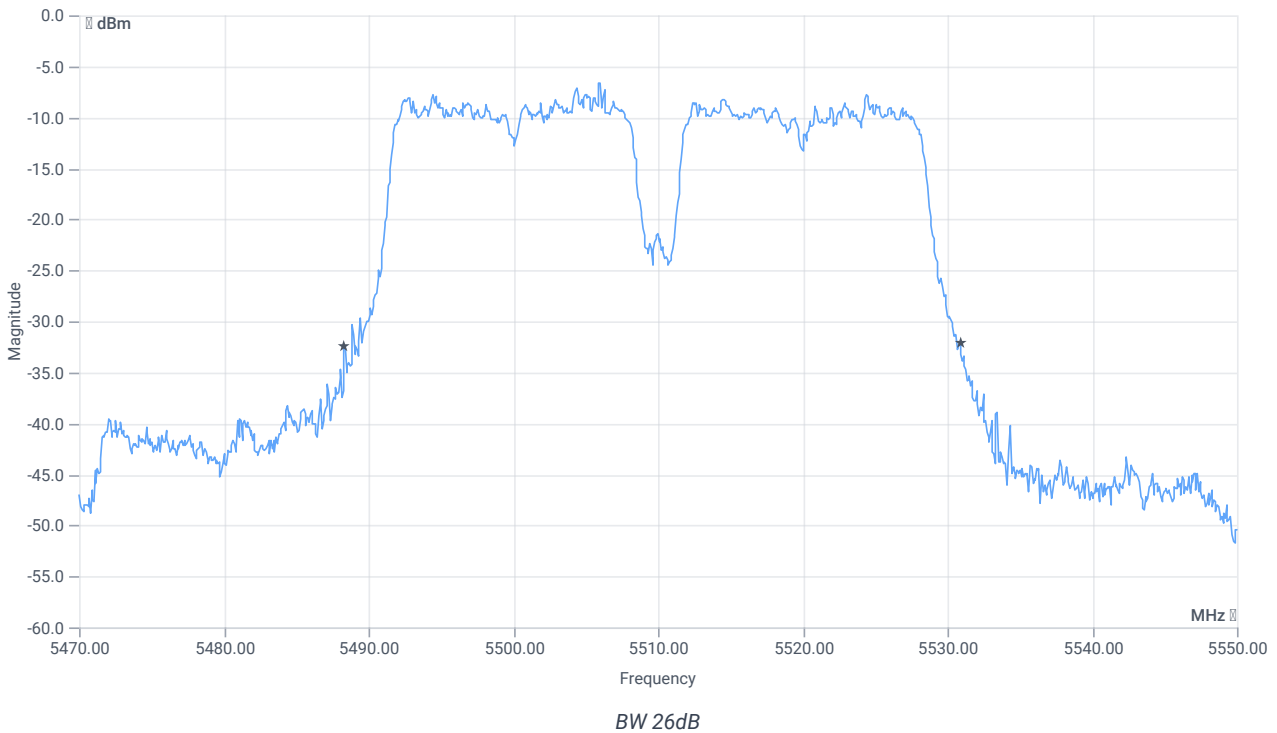
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-4.71	dBm	INFO
Ref. frequency	---	---	5496.810	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



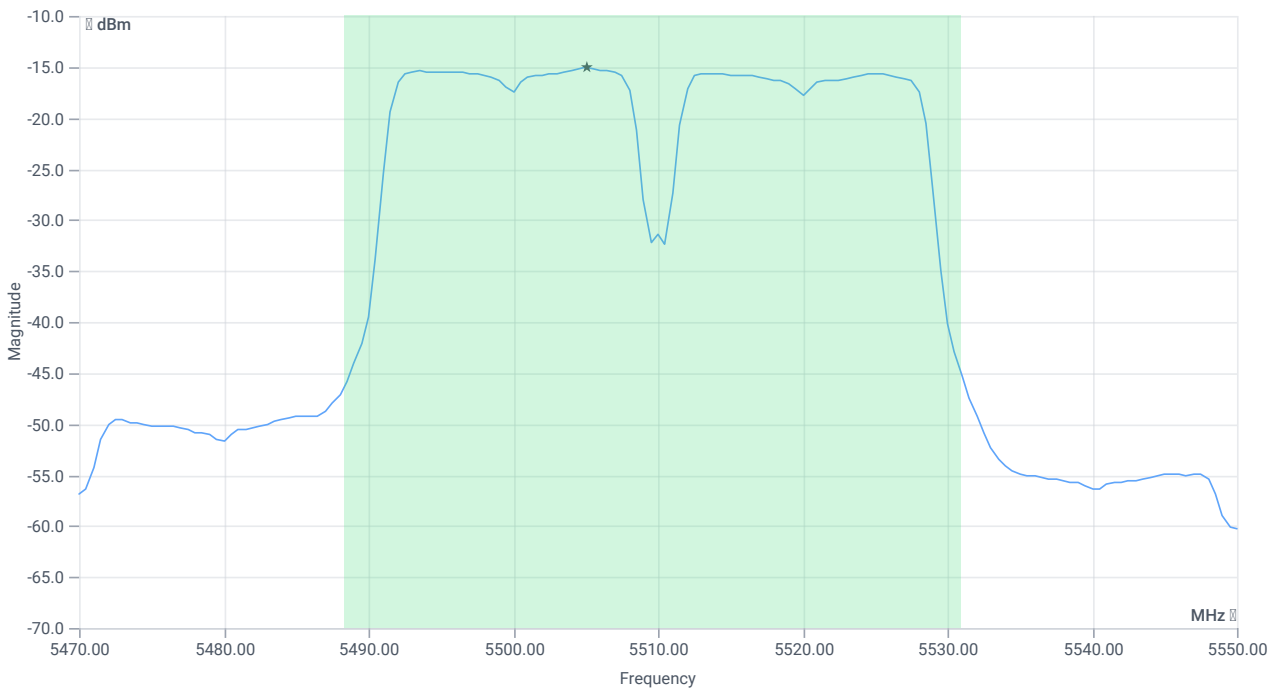
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.56	MHz	INFO
T1 26dB	---	---	5488.3200	MHz	INFO
T2 26dB	---	---	5530.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.29 13.59 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-0.96	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-0.96	dBm	PASS
LIMIT: 11 dBm + 10 log 42.56					
Max output power DC corrected cond	--	27.29	-0.96	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-0.96	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	--	--	-15.05	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-15.05	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:34:32
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5510 MHz

RESULT: Reference power cond.

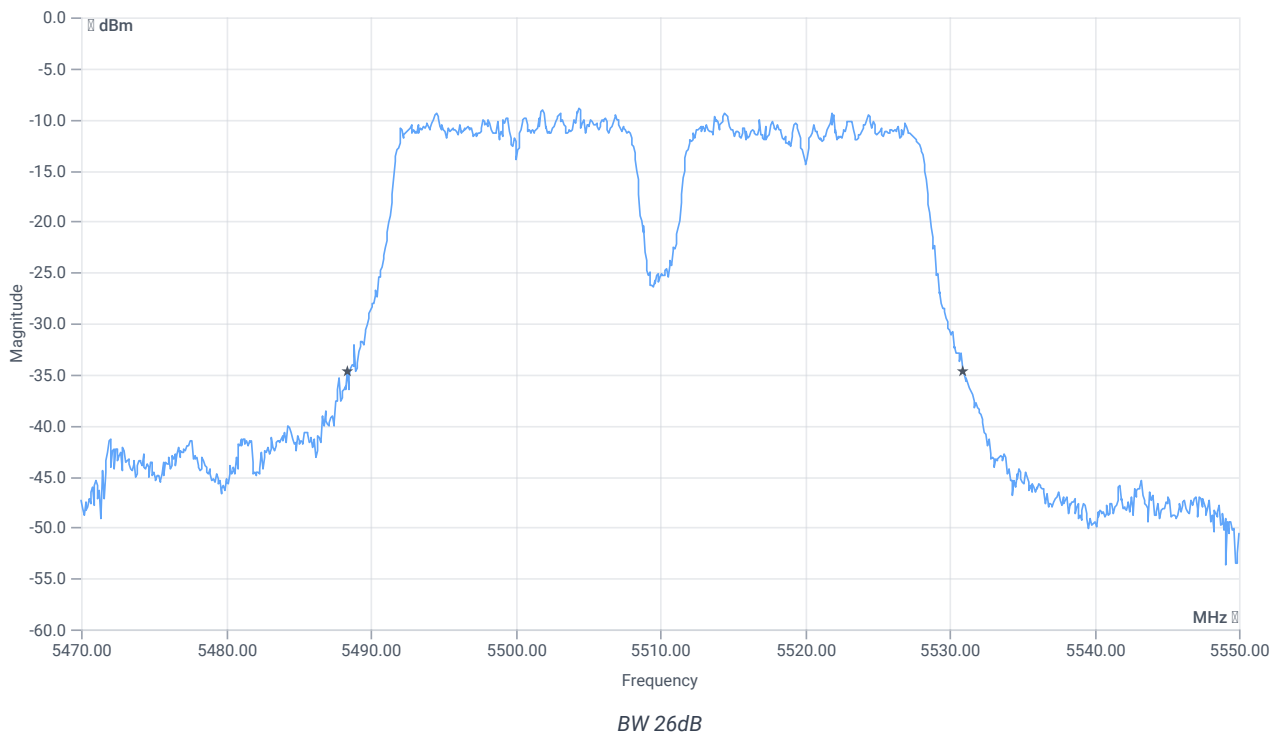
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-6.74	dBm	INFO
Ref. frequency	---	---	5513.000	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



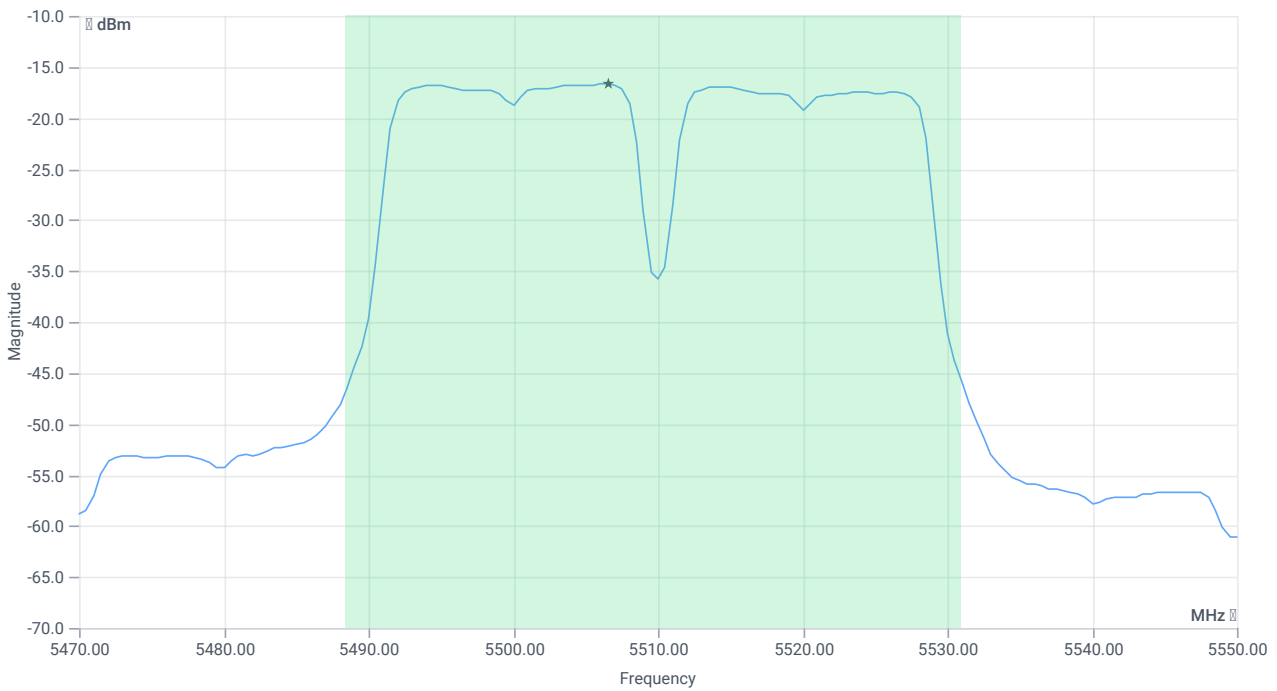
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.56	MHz	INFO
T1 26dB	---	---	5488.4000	MHz	INFO
T2 26dB	---	---	5530.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.26 13.47 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-2.42	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-2.42	dBm	PASS
LIMIT: 11 dBm + 10 log 42.56					
Max output power DC corrected cond	--	27.29	-2.42	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-2.42	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-16.72	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-16.72	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:42:11
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5590 MHz

RESULT: Reference power cond.

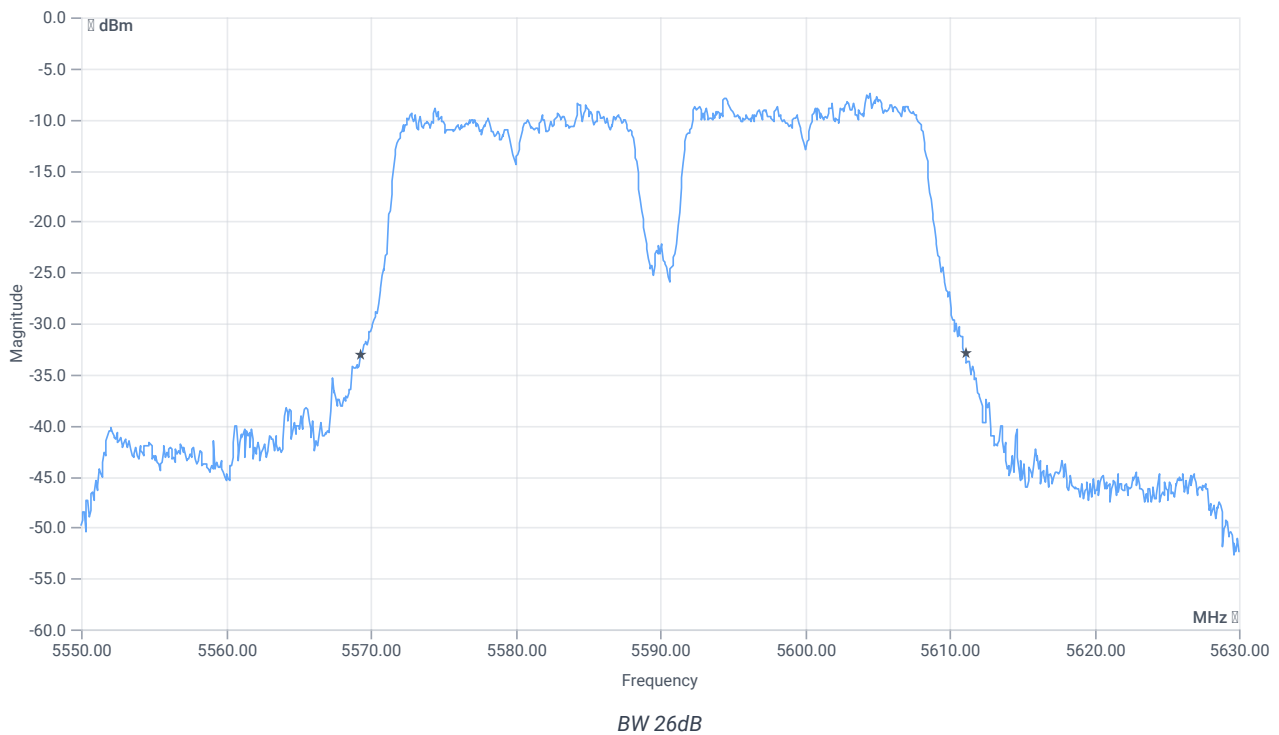
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-4.33	dBm	INFO
Ref. frequency	---	---	5604.990	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



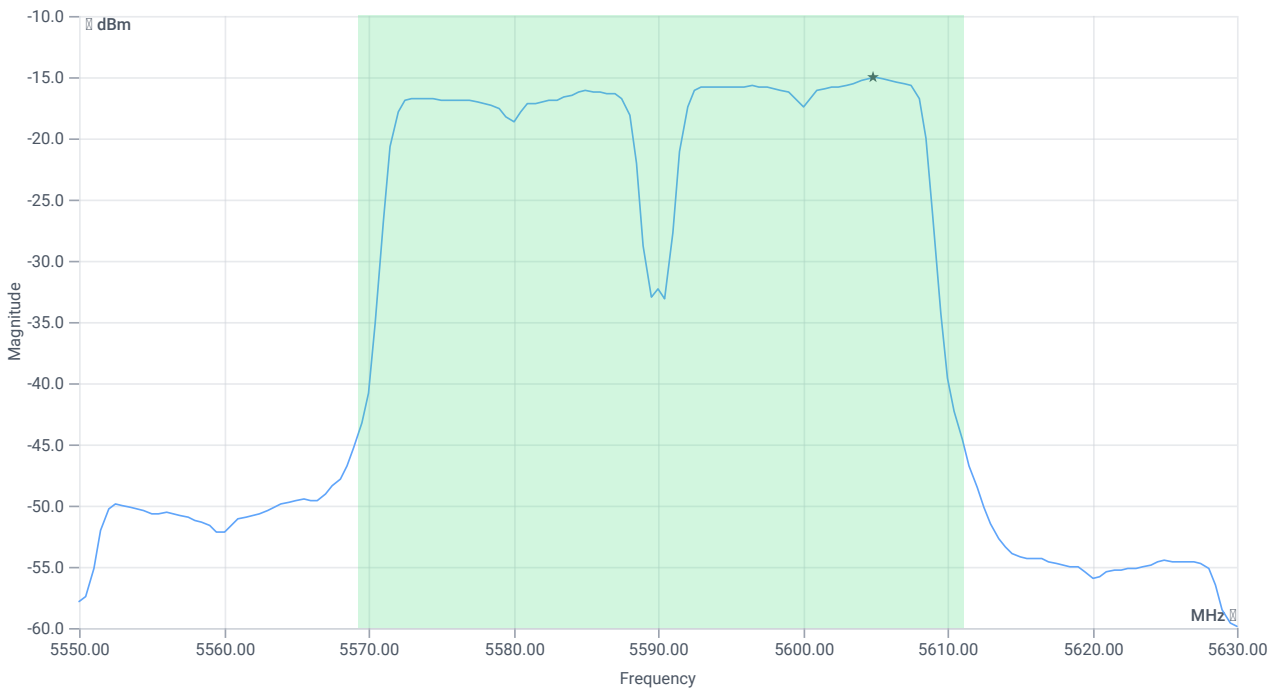
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	41.84	MHz	INFO
T1 26dB	---	---	5569.2800	MHz	INFO
T2 26dB	---	---	5611.1200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.67 13.8 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-1.36	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-1.36	dBm	PASS
LIMIT: 11 dBm + 10 log 41.84					
Max output power DC corrected cond	--	27.22	-1.36	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-1.36	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-15.01	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-15.01	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:45:36
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5590 MHz

RESULT: Reference power cond.

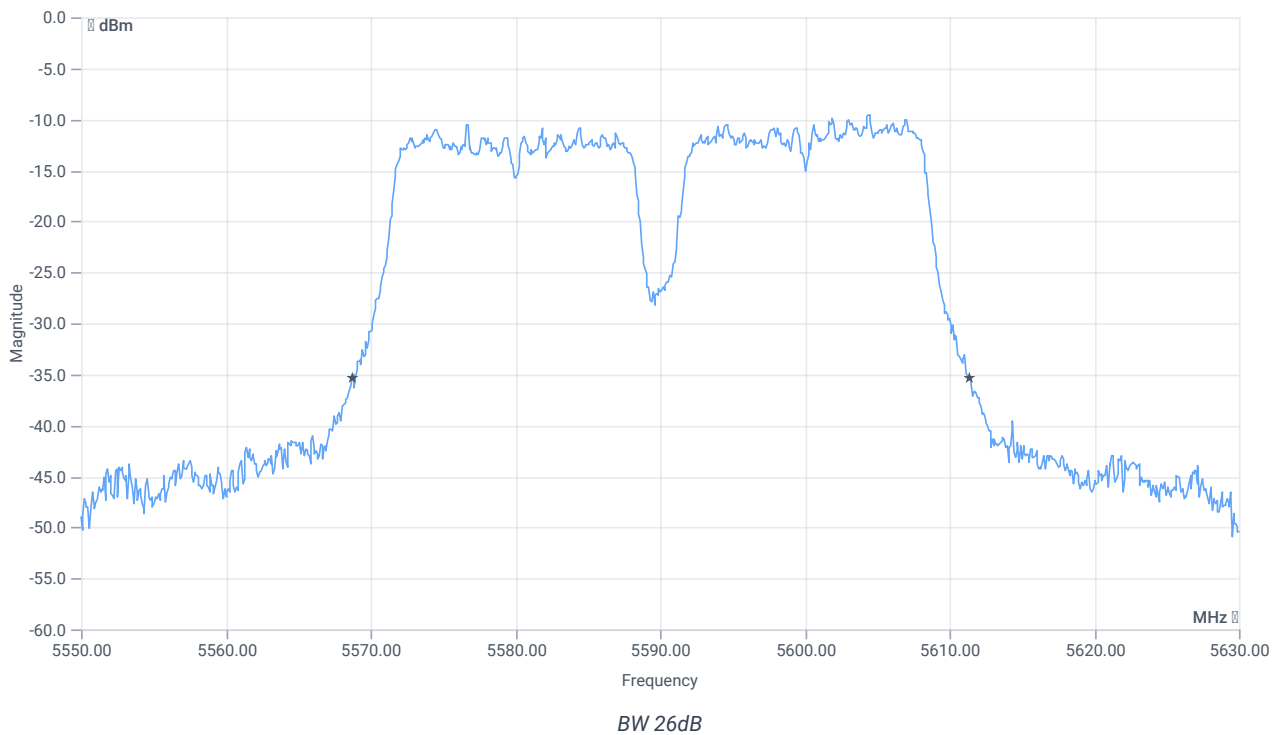
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-7.54	dBm	INFO
Ref. frequency	---	---	5604.990	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



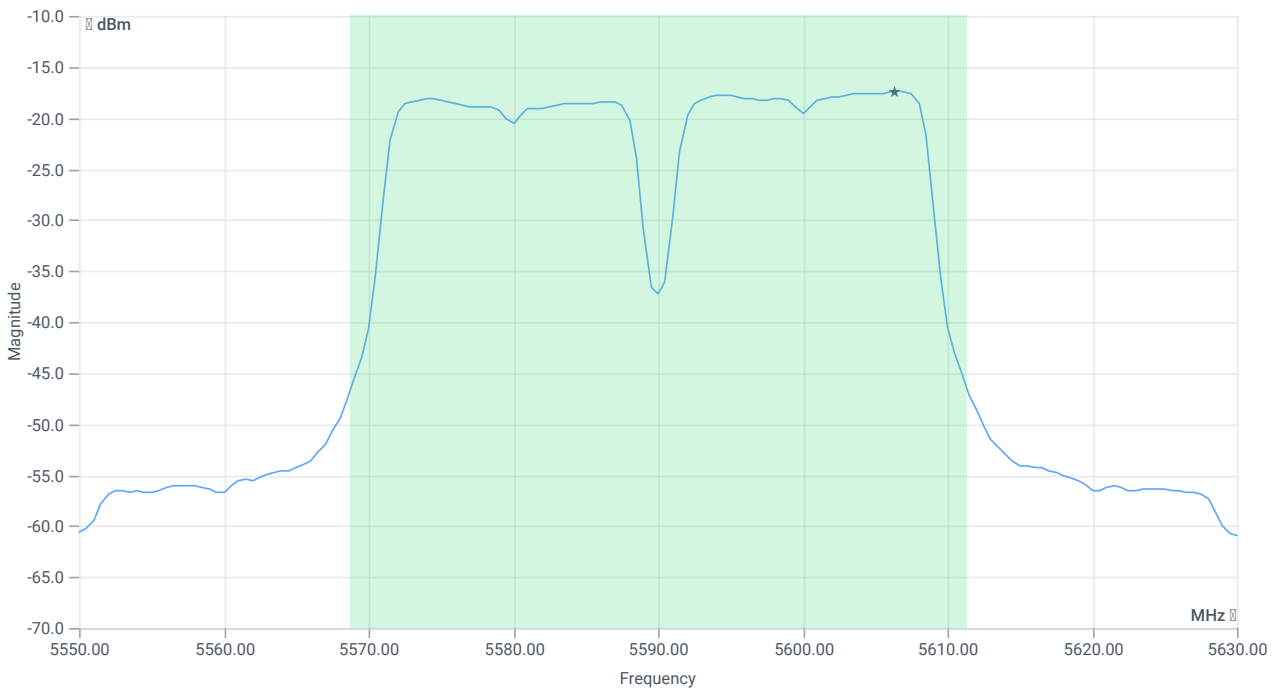
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.64	MHz	INFO
T1 26dB	---	---	5568.7200	MHz	INFO
T2 26dB	---	---	5611.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.46 13.51 5
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-3.42	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-3.42	dBm	PASS
LIMIT: 11 dBm + 10 log 42.64					
Max output power DC corrected cond	--	27.3	-3.42	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-3.42	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-17.38	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-17.38	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:49:37
Ambit temp [°C] humidity [rel%]	28.5 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5670 MHz

RESULT: Reference power cond.

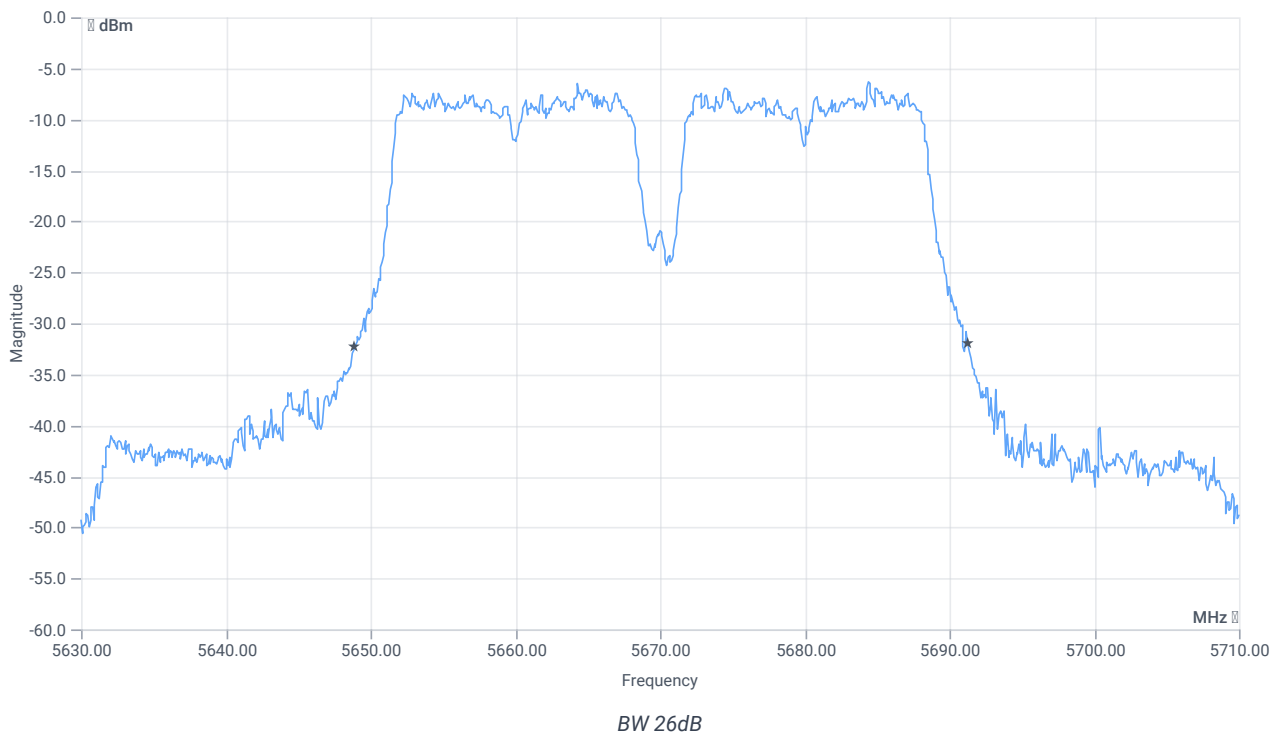
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-4.29	dBm	INFO
Ref. frequency	---	---	5656.010	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



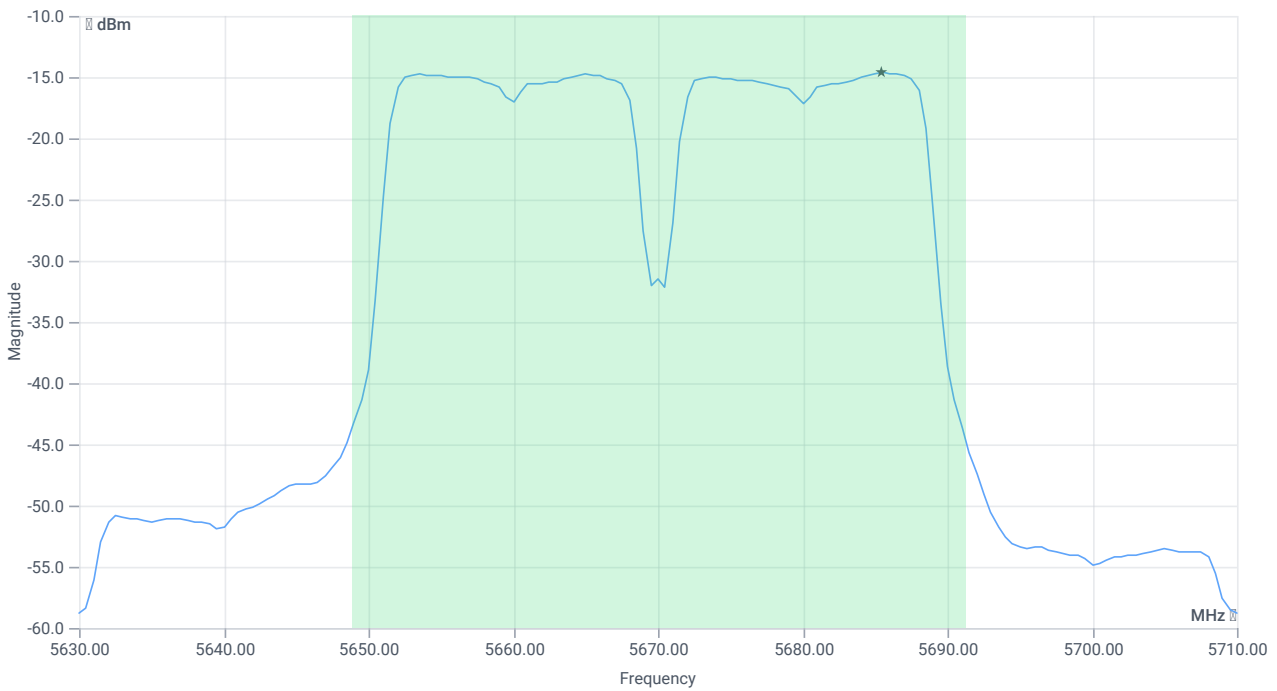
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.4	MHz	INFO
T1 26dB	---	---	5648.8800	MHz	INFO
T2 26dB	---	---	5691.2800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.71 13.51 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-0.35	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-0.35	dBm	PASS
LIMIT: 11 dBm + 10 log 42.4					
Max output power DC corrected cond	--	27.27	-0.35	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-0.35	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-14.66	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-14.66	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 16:53:03
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
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)	Yes

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]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5670 MHz

RESULT: Reference power cond.

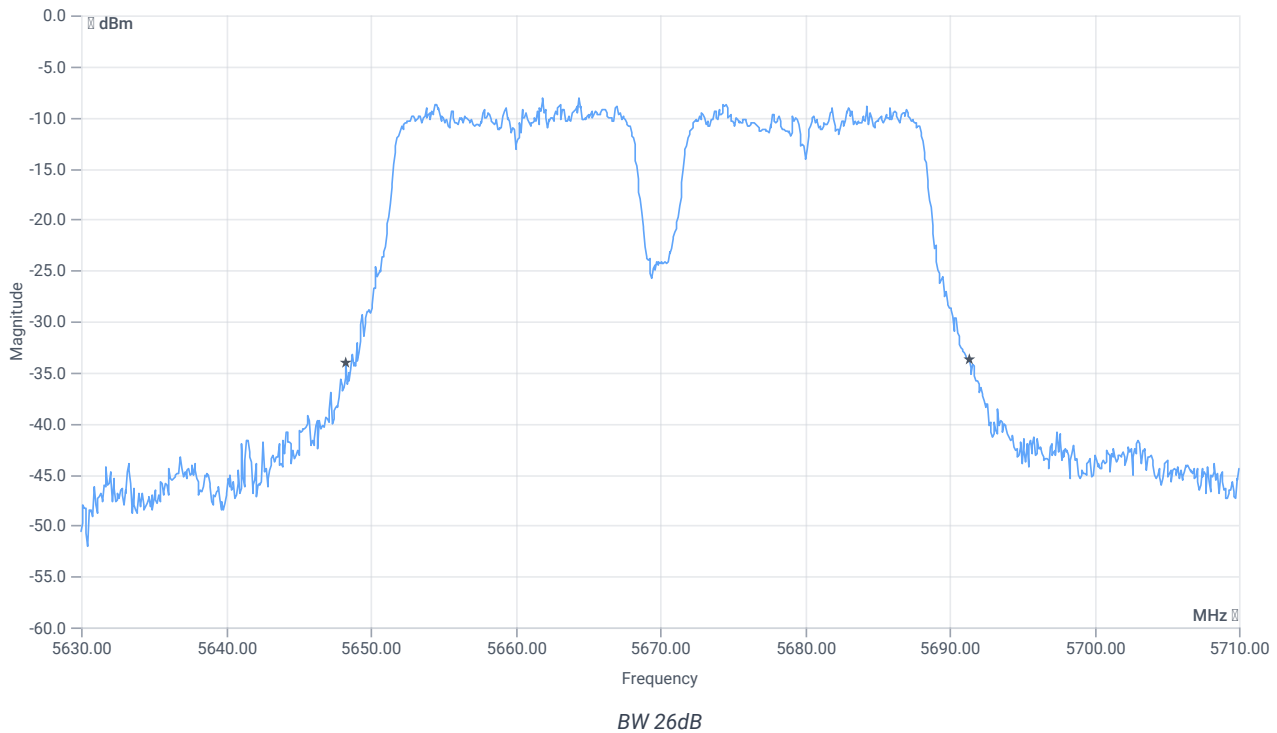
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-6.10	dBm	INFO
Ref. frequency	---	---	5672.800	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



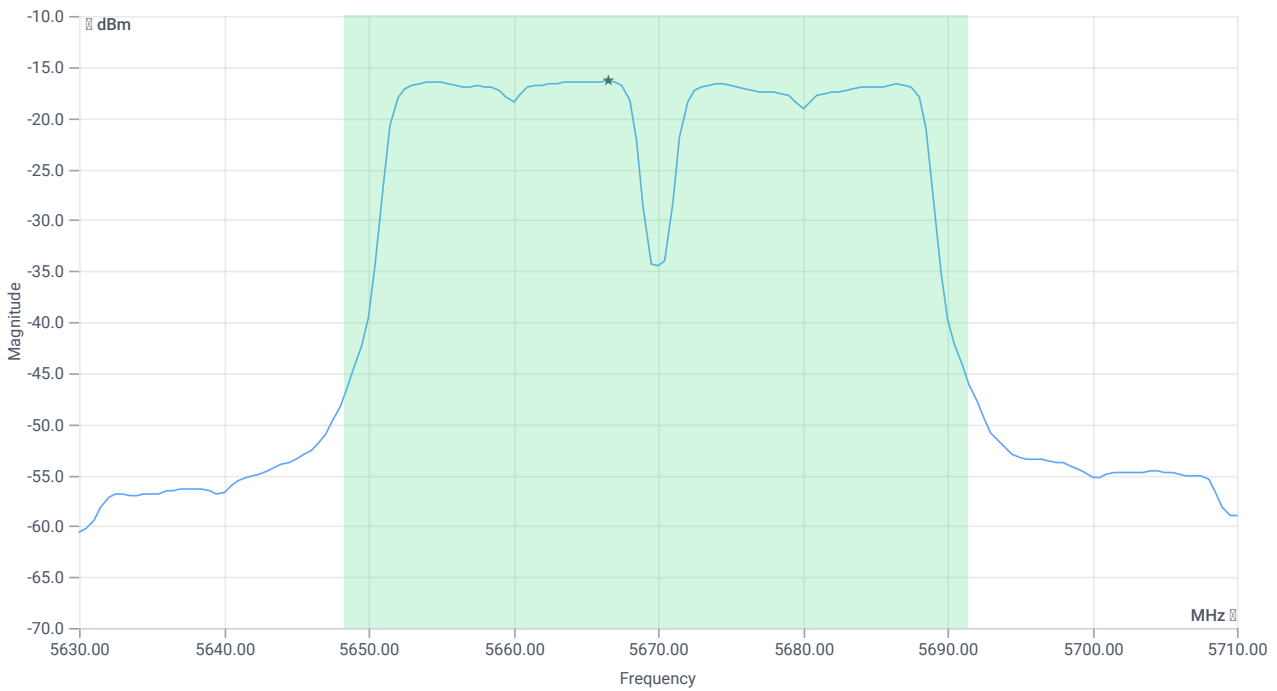
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.04	MHz	INFO
T1 26dB	---	---	5648.3200	MHz	INFO
T2 26dB	---	---	5691.3600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	5.90 13.38 10
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	53700 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-2.08	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-2.08	dBm	PASS
LIMIT: 11 dBm + 10 log 43.04					
Max output power DC corrected cond	--	27.34	-2.08	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-2.08	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-16.39	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-16.39	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:13:51
Ambit temp [°C] humidity [rel%]	28.6 39
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5530
Frequency mid to test	False Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5530 MHz

RESULT: Reference power cond.

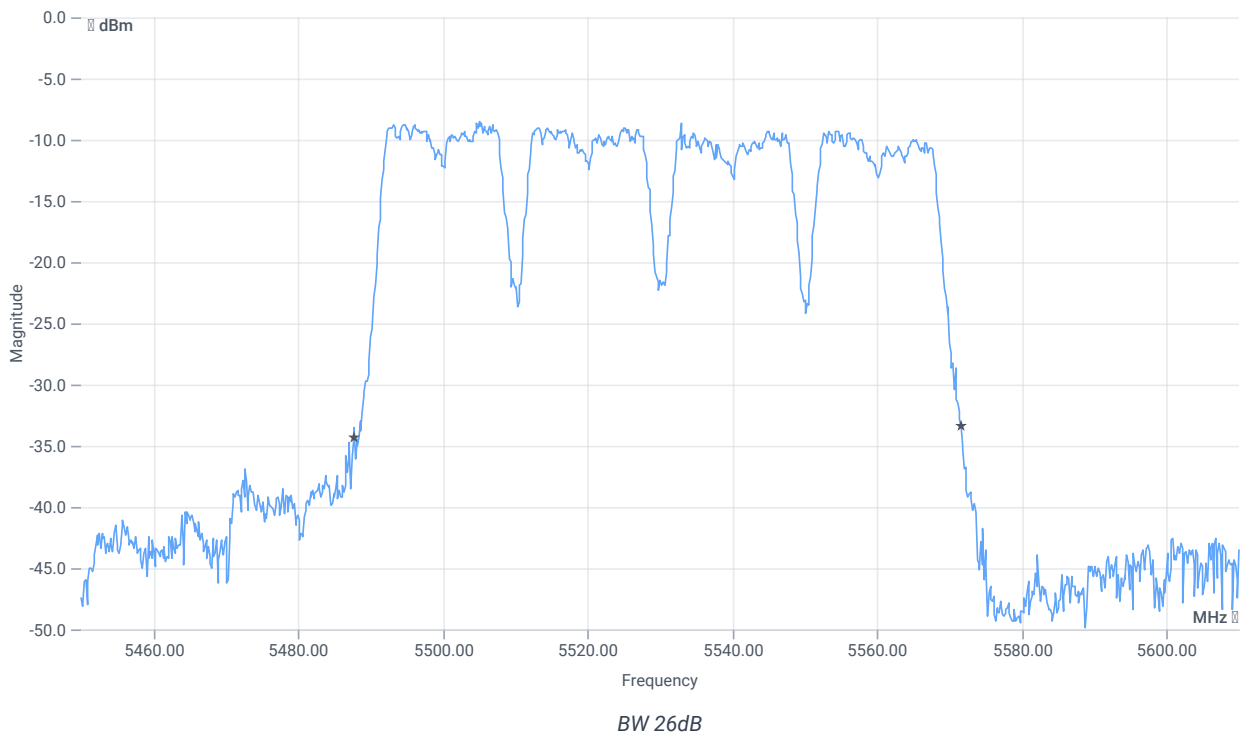
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-8.67	dBm	INFO
Ref. frequency	---	---	5513.220	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



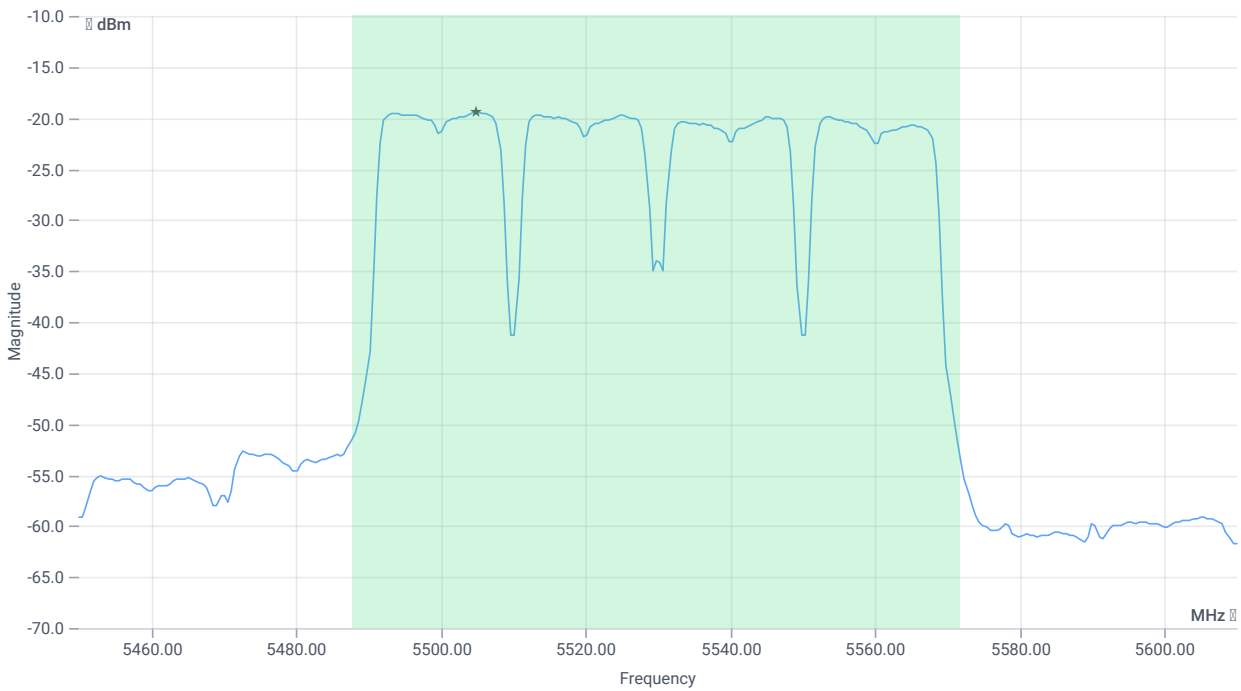
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84	MHz	INFO
T1 26dB	---	---	5487.6000	MHz	INFO
T2 26dB	---	---	5571.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.33 13.68 5
Start [MHz] Stop [MHz]	5450.000 5610.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-2.43	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-2.43	dBm	PASS
LIMIT: 11 dBm + 10 log 84					
Max output power DC corrected cond	--	30.24	-2.43	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-2.43	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-19.33	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-19.33	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:19:25
Ambit temp [°C] humidity [rel%]	28.7 38
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5530
Frequency mid to test	False Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5530 MHz

RESULT: Reference power cond.

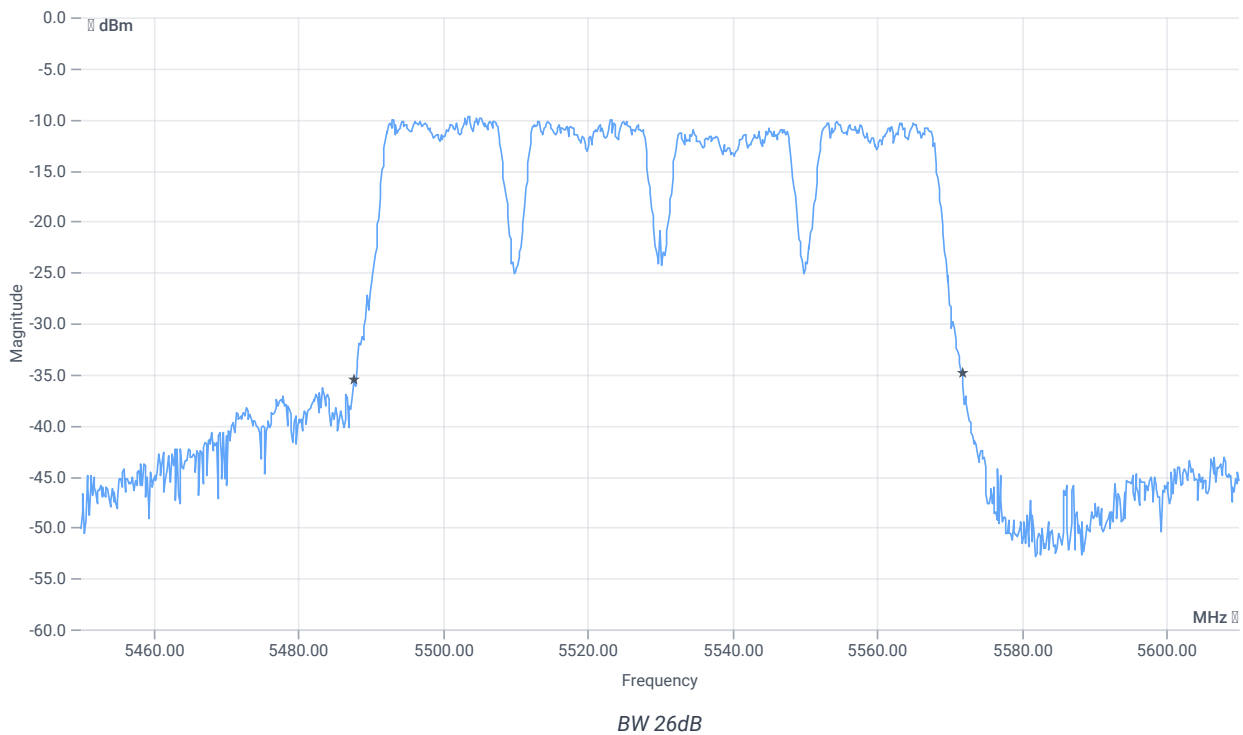
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-9.52	dBm	INFO
Ref. frequency	---	---	5506.020	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



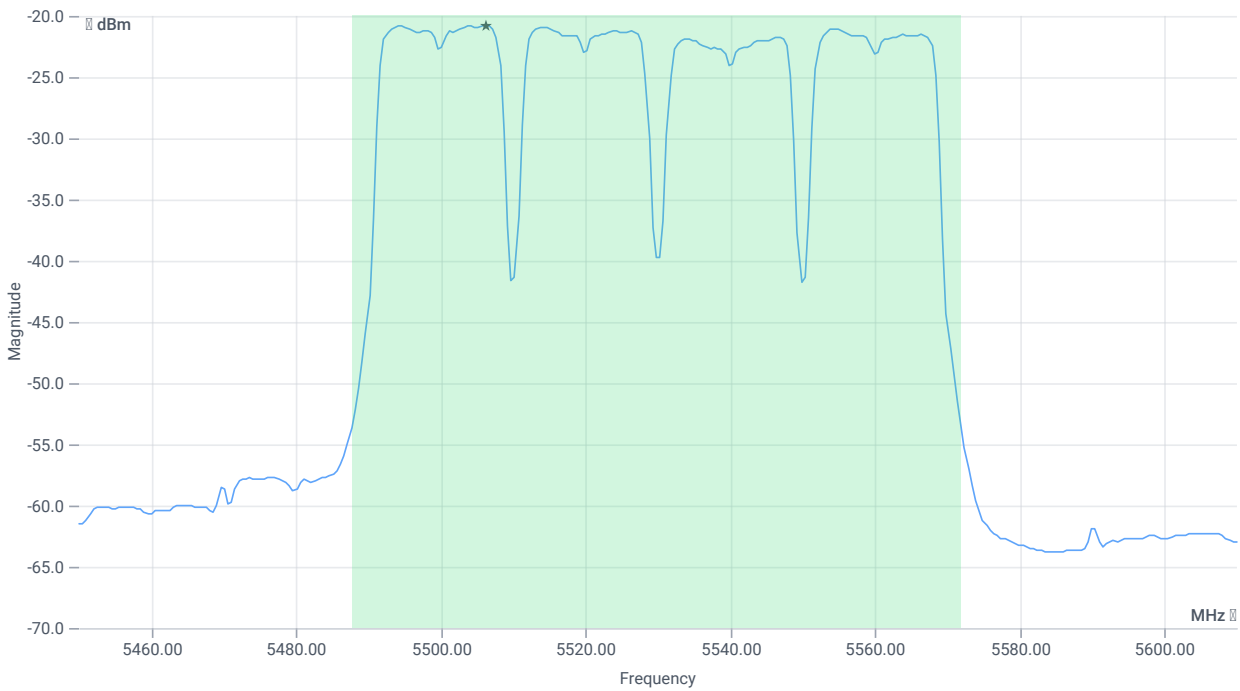
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84	MHz	INFO
T1 26dB	---	---	5487.7600	MHz	INFO
T2 26dB	---	---	5571.7600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.48 13.58 5
Start [MHz] Stop [MHz]	5450.000 5610.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-3.7	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-3.7	dBm	PASS
LIMIT: 11 dBm + 10 log 84					
Max output power DC corrected cond	--	30.24	-3.7	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-3.7	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	--	--	-20.81	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-20.81	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:25:37
Ambit temp [°C] humidity [rel%]	28.8 38
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5530
Frequency mid to test	True Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5610 MHz

RESULT: Reference power cond.

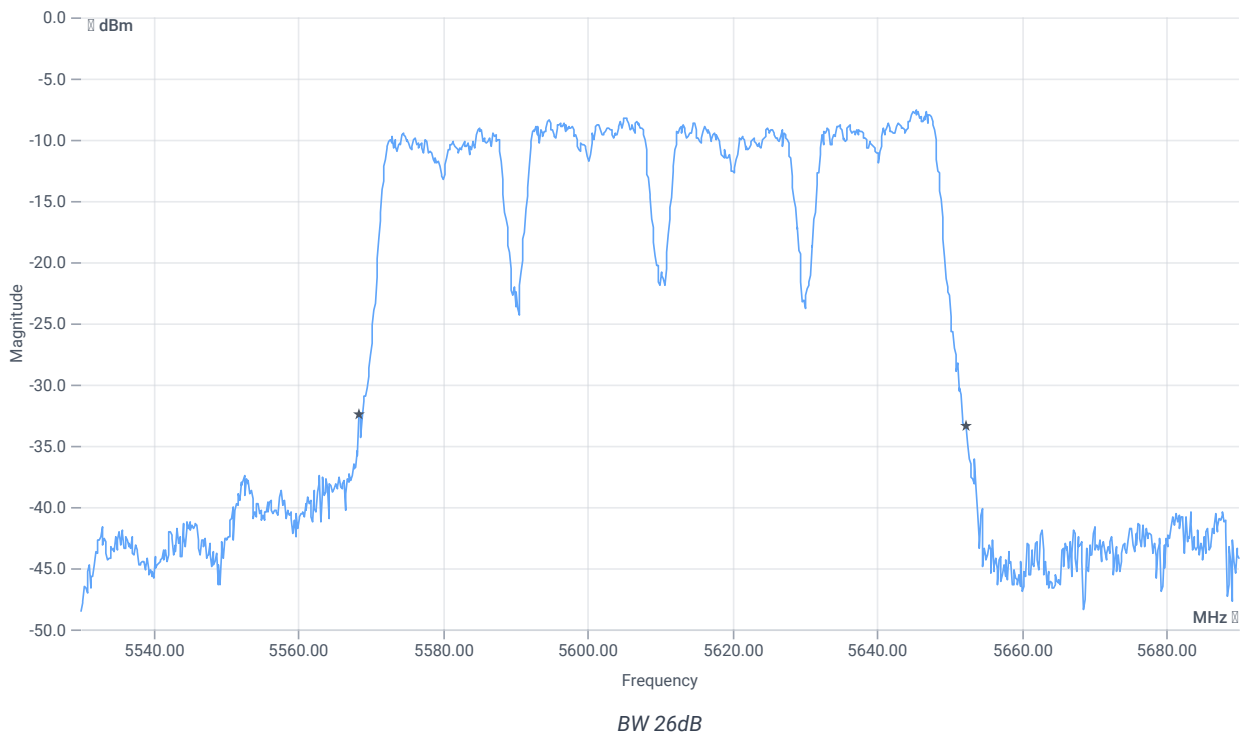
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-7.63	dBm	INFO
Ref. frequency	---	---	5645.160	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



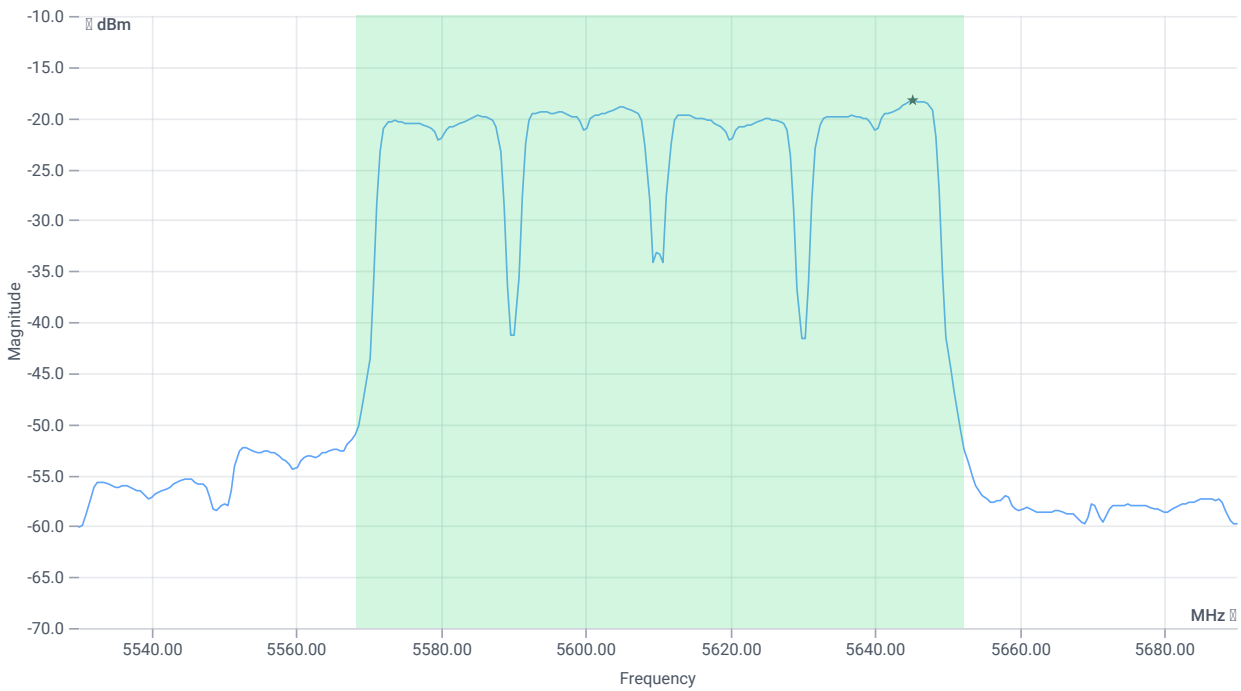
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84	MHz	INFO
T1 26dB	---	---	5568.4000	MHz	INFO
T2 26dB	---	---	5652.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.37 13.74 5
Start [MHz] Stop [MHz]	5530.000 5690.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	-2.03	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	-2.03	dBm	PASS
LIMIT: 11 dBm + 10 log 84					
Max output power DC corrected cond	---	30.24	-2.03	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	---	27	-2.03	dBm	PASS

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI					
Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	--	--	-18.29	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-18.29	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	14.05.2024 17:31:09
Ambit temp [°C] humidity [rel%]	28.8 38
System version	5.0.5.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-2C
Information	

EUT Common Settings WLAN5Gx

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

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-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5530
Frequency mid to test	True Freq [MHz] 5610
Frequency high to test	False Freq [MHz] 0
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5610 MHz

RESULT: Reference power cond.

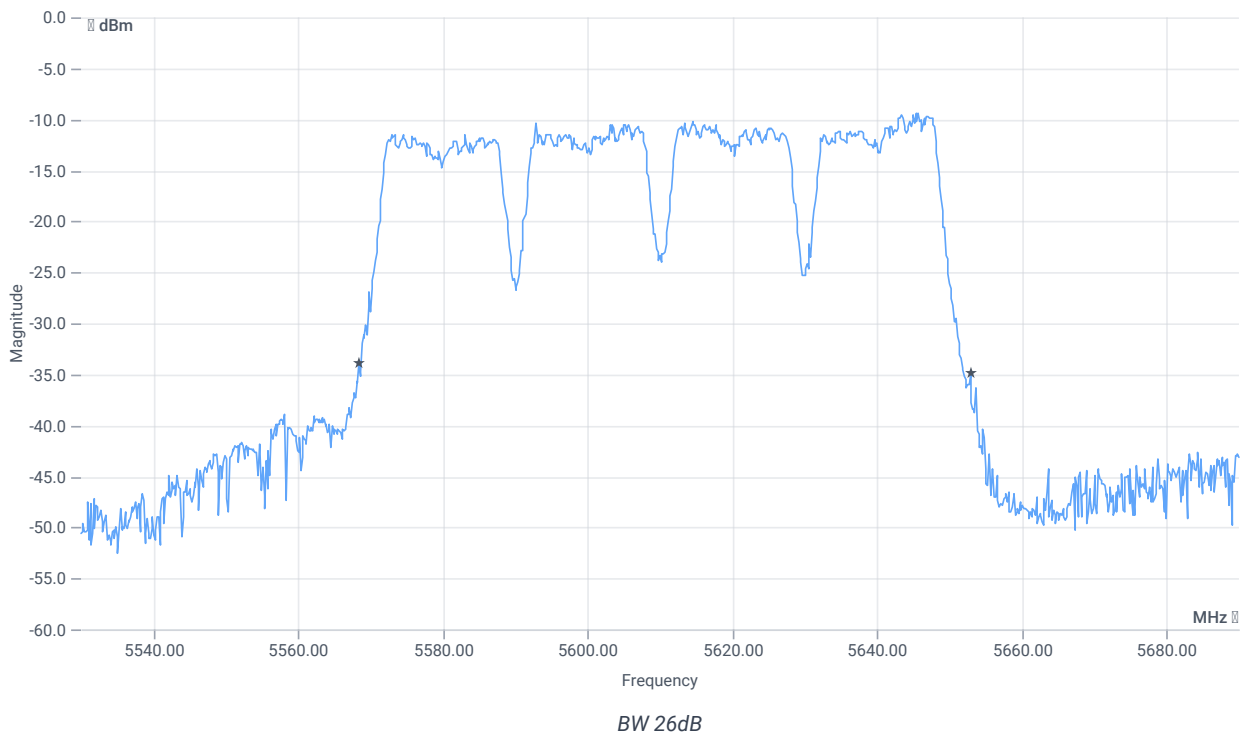
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-9.64	dBm	INFO
Ref. frequency	---	---	5645.360	MHz	INFO

Evaluation max. duty cycle

Duty Cycle evaluation

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

Evaluation bandwidth



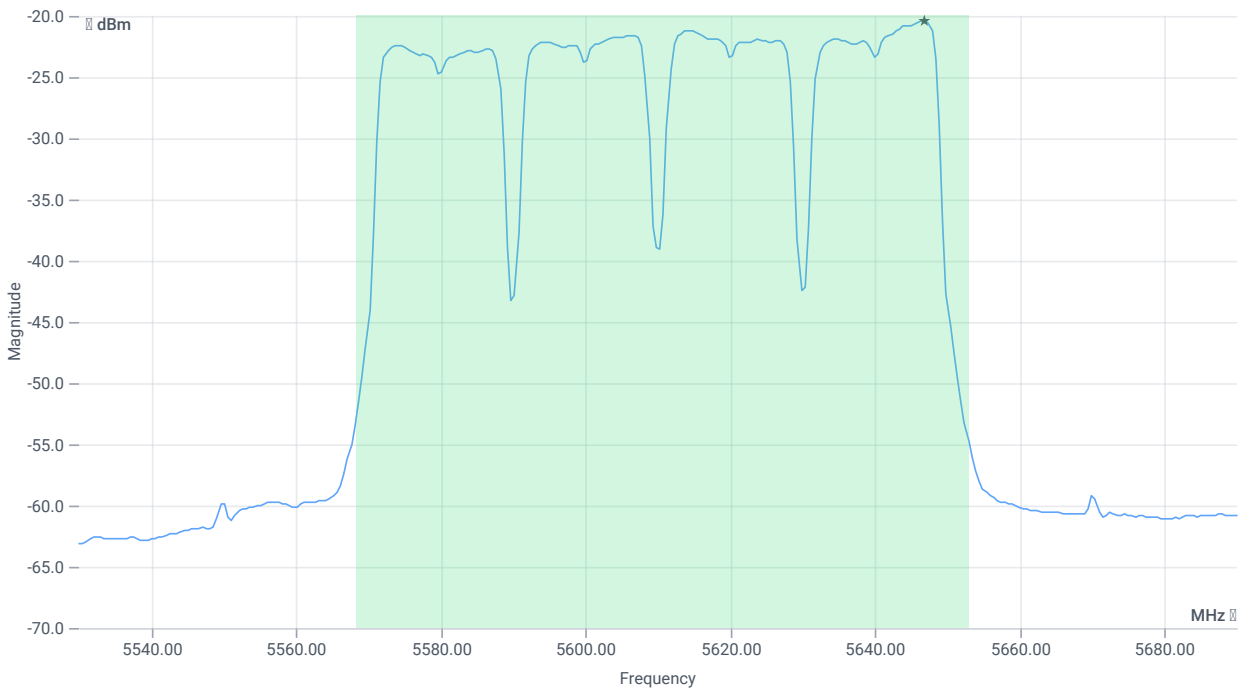
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.48	MHz	INFO
T1 26dB	---	---	5568.4000	MHz	INFO
T2 26dB	---	---	5652.8800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.36 13.48 5
Start [MHz] Stop [MHz]	5530.000 5690.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	107000 1 320 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	--	--	-4.23	dBm	INFO
Duty cycle correction	--	--	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	--	24	-4.23	dBm	PASS
LIMIT: 11 dBm + 10 log 84.48					
Max output power DC corrected cond	--	30.27	-4.23	dBm	PASS
LIMIT absolute eirp (TPC not supported)					
Max output power DC corrected eirp	--	27	-4.23	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	--	--	-20.41	dBm/1MHz	INFO
Duty cycle correction	--	--	0	dB	INFO
Power spectral density DC corrected cond	--	11	-20.41	dBm/1MHz	PASS

Verdict

PASS

- END OF DOCUMENT -