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FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-2C	655
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# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-3

## References

TC start	26.01.2024 19:00:41
Ambit temp [°C]   humidity [rel%]	26.8   35
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

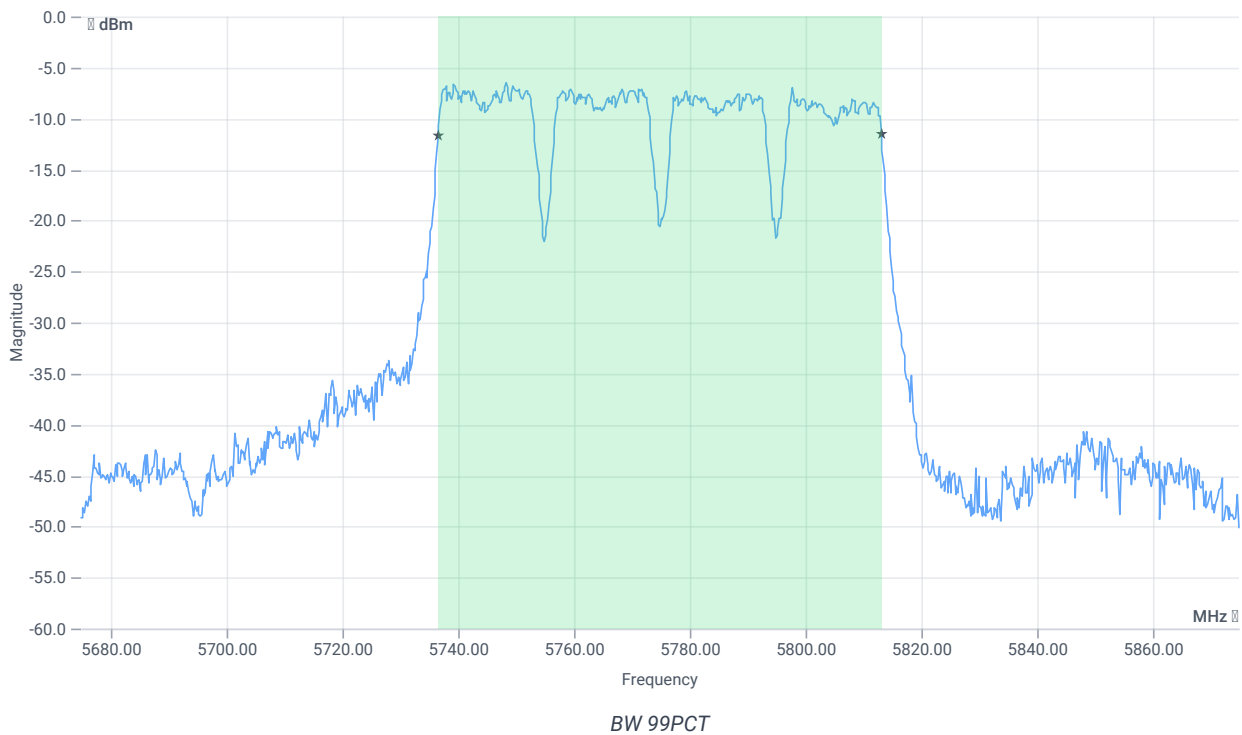
## Test at TX 5775 MHz

RESULT: Reference power cond.

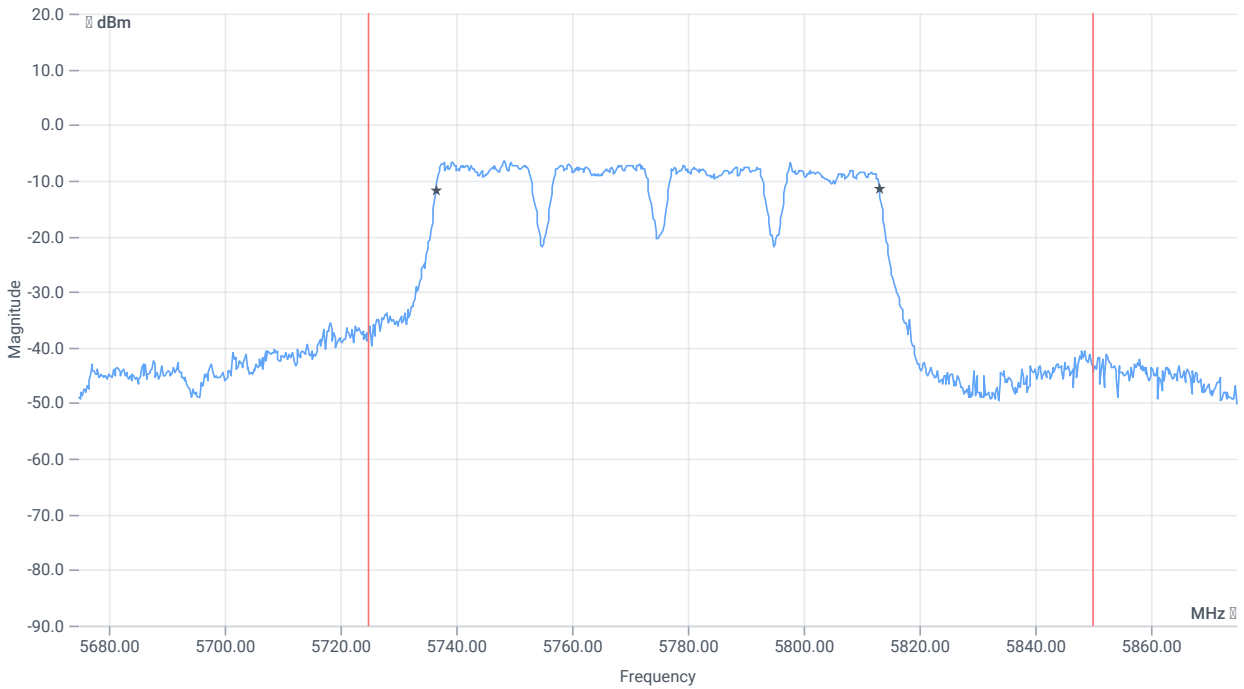
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-7.83	dBm	INFO
Ref. frequency	--	--	5766.010	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	0.17   10.41   5
Start [MHz]   Stop [MHz]	5675.000   5875.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



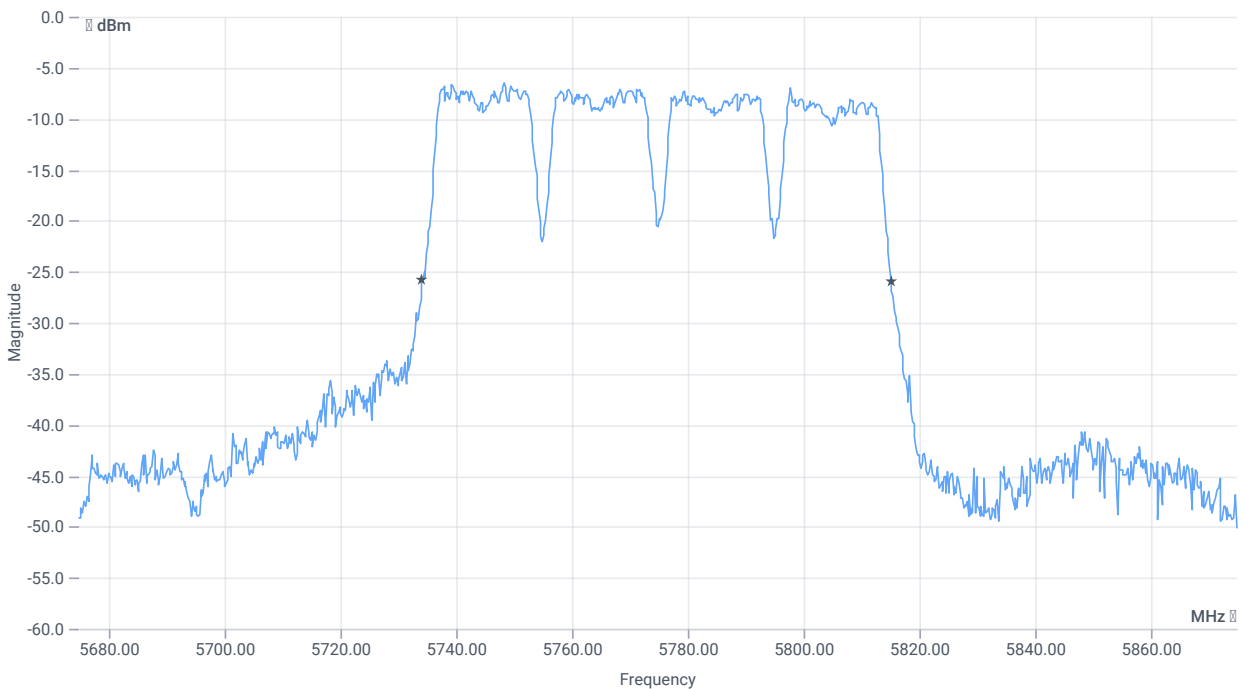




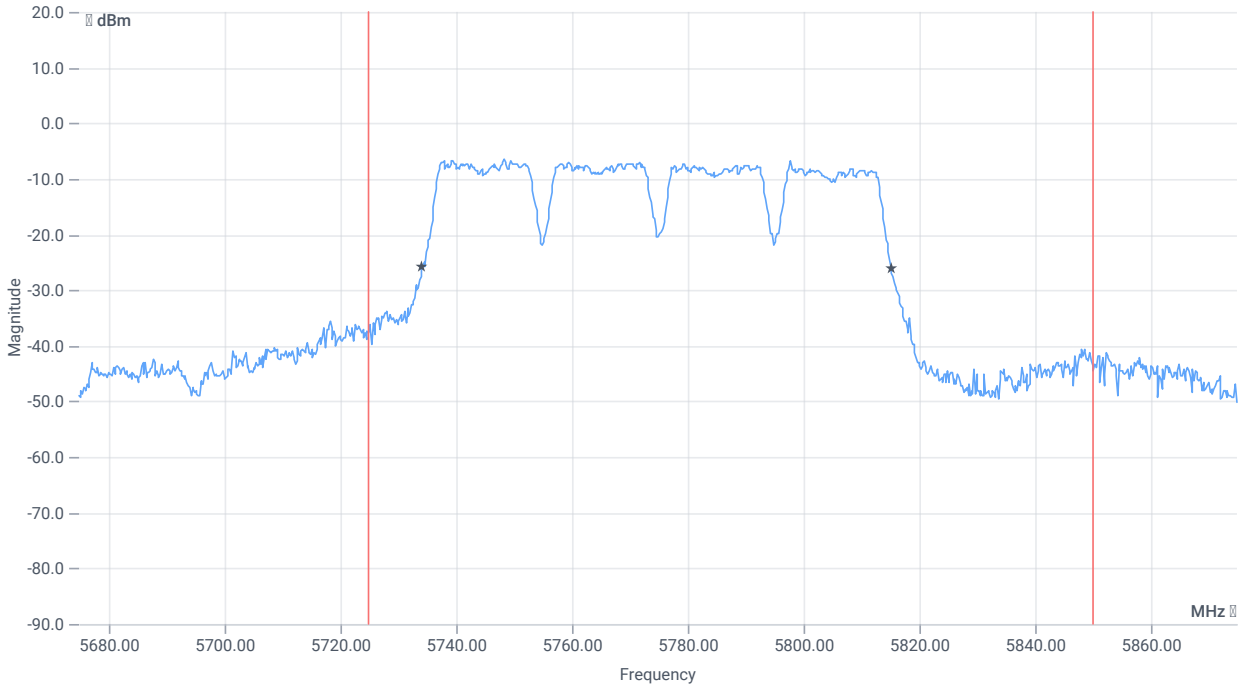
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.523	MHz	INFO
T1 99%	5725.000000	--	5736.6384	MHz	PASS
T2 99%	--	5813.1618	5813.1618	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	81	MHz	INFO
T1 20dB	5725.000000	--	5734.2000	MHz	PASS
T2 20dB	--	5850.000000	5815.2000	MHz	PASS

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-3

### References

TC start	26.01.2024 18:49:39
Ambit temp [°C]   humidity [rel%]	26.7   35
System version	5.0.1.0
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-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

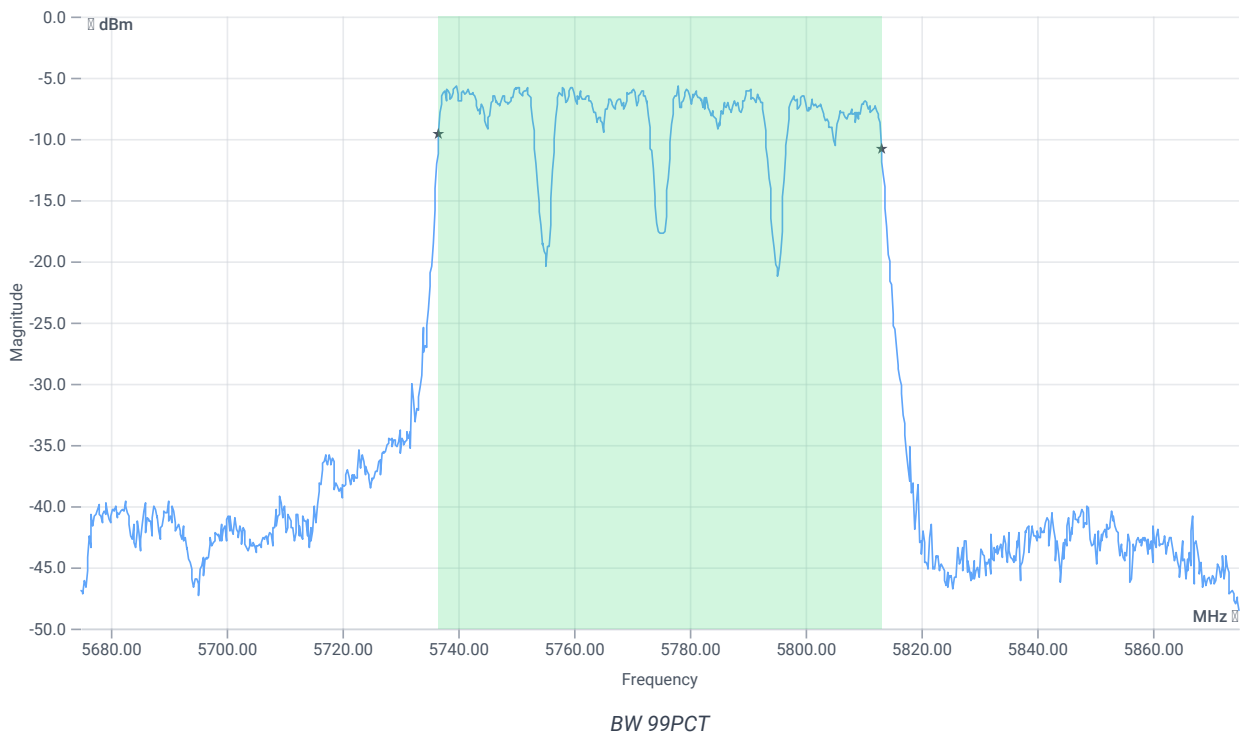
## Test at TX 5775 MHz

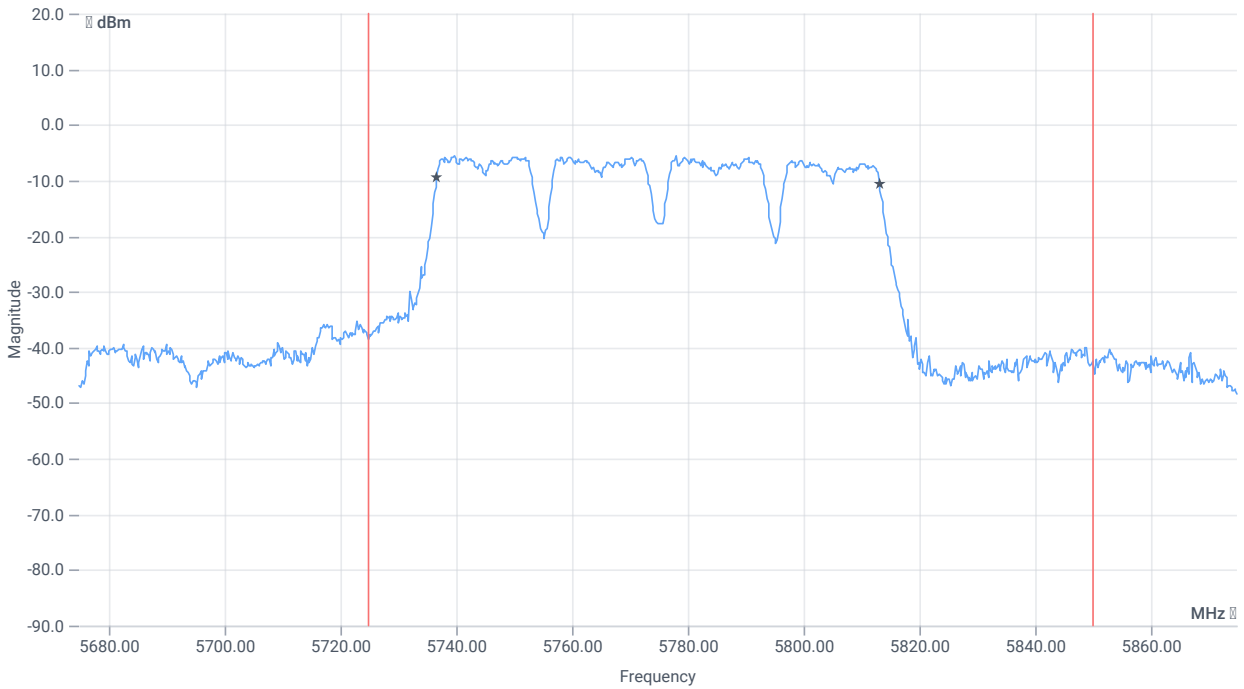
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.59	dBm	INFO
Ref. frequency	--	--	5790.780	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	1.41   10.38   10
Start [MHz]   Stop [MHz]	5675.000   5875.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

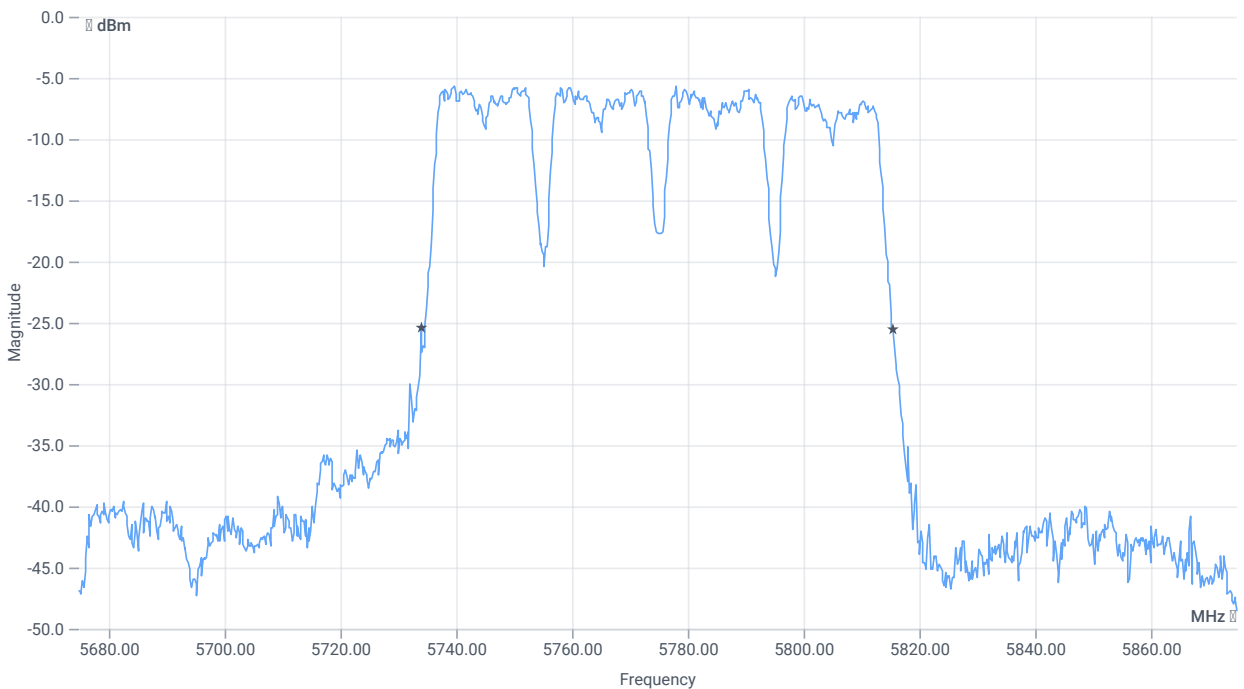




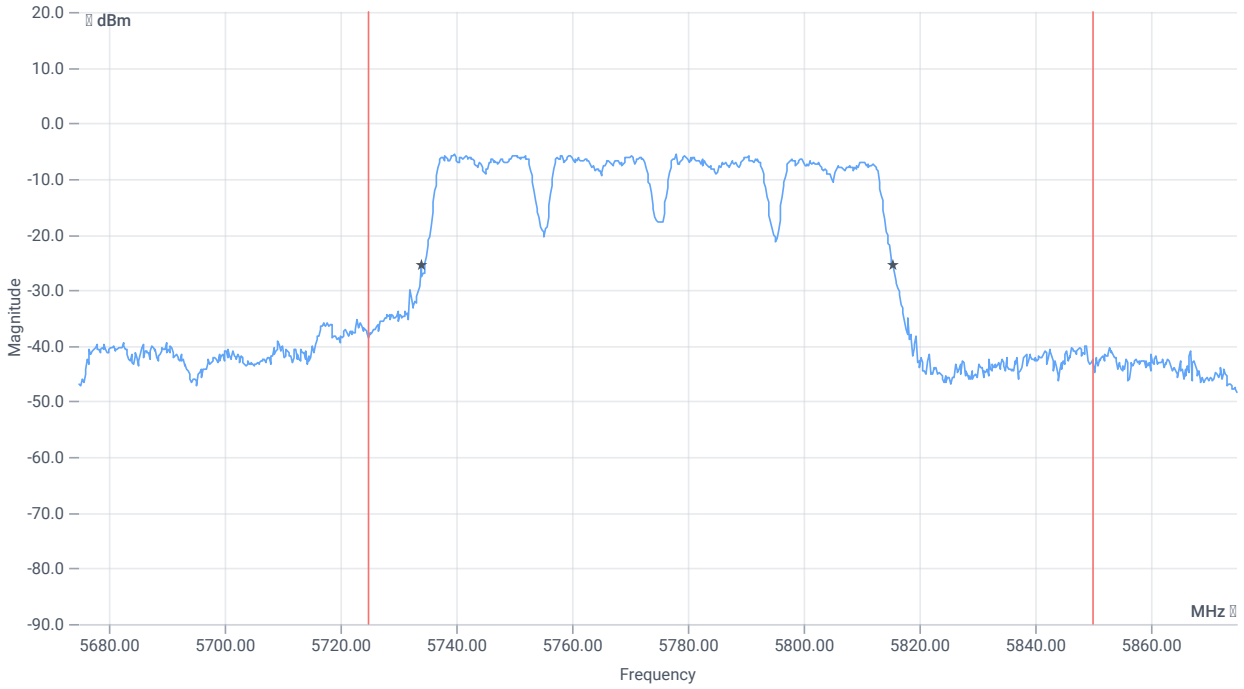
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5725.000000	--	5736.8382	MHz	PASS
T2 99%	--	5850.000000	5813.1618	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	81.6	MHz	INFO
T1 20dB	5725.000000	---	5734.0000	MHz	PASS
T2 20dB	---	5850.000000	5815.6000	MHz	PASS

Verdict

PASS



# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-1

## References

TC start	26.01.2024 18:38:15
Ambit temp [°C]   humidity [rel%]	26.8   34
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

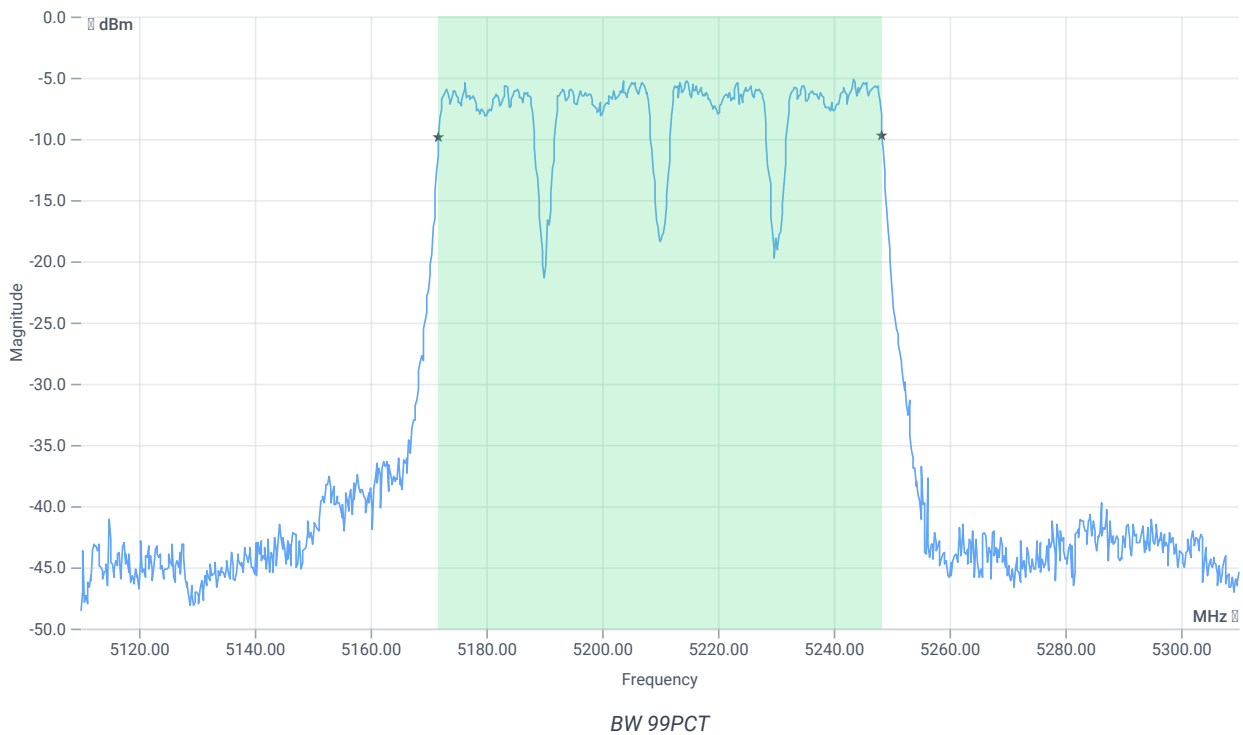
## Test at TX 5210 MHz

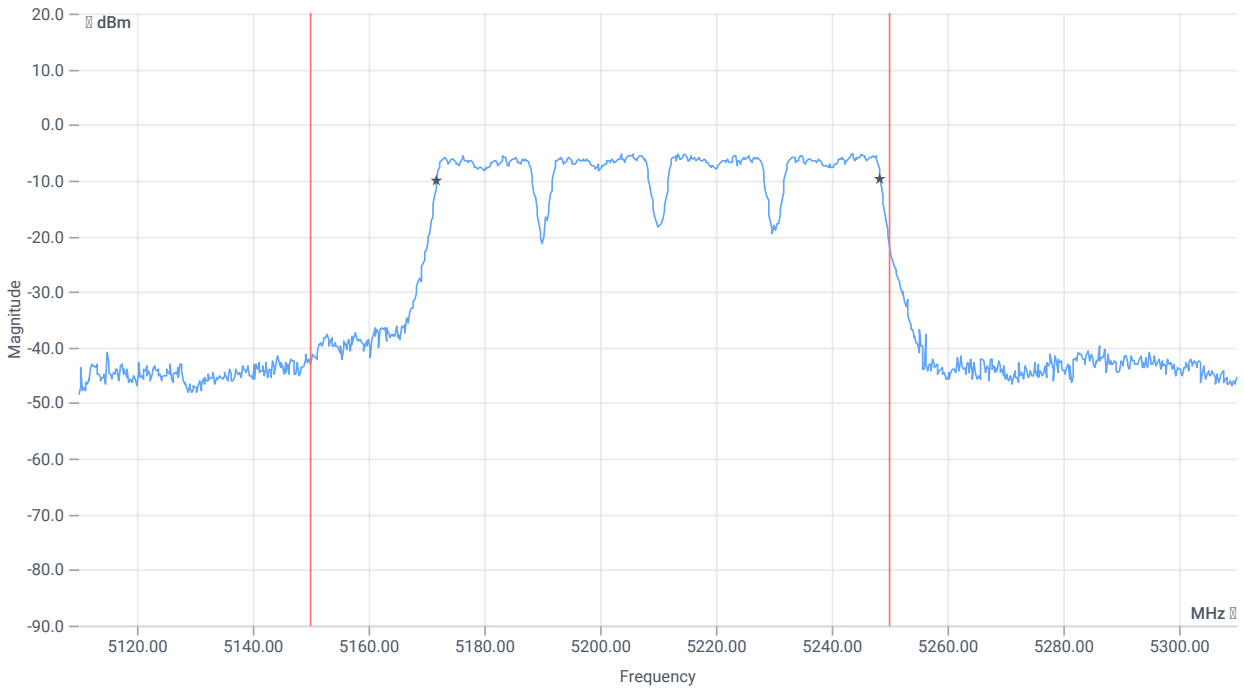
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.79	dBm	INFO
Ref. frequency	--	--	5224.990	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.21   10.05   10
Start [MHz]   Stop [MHz]	5110.000   5310.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

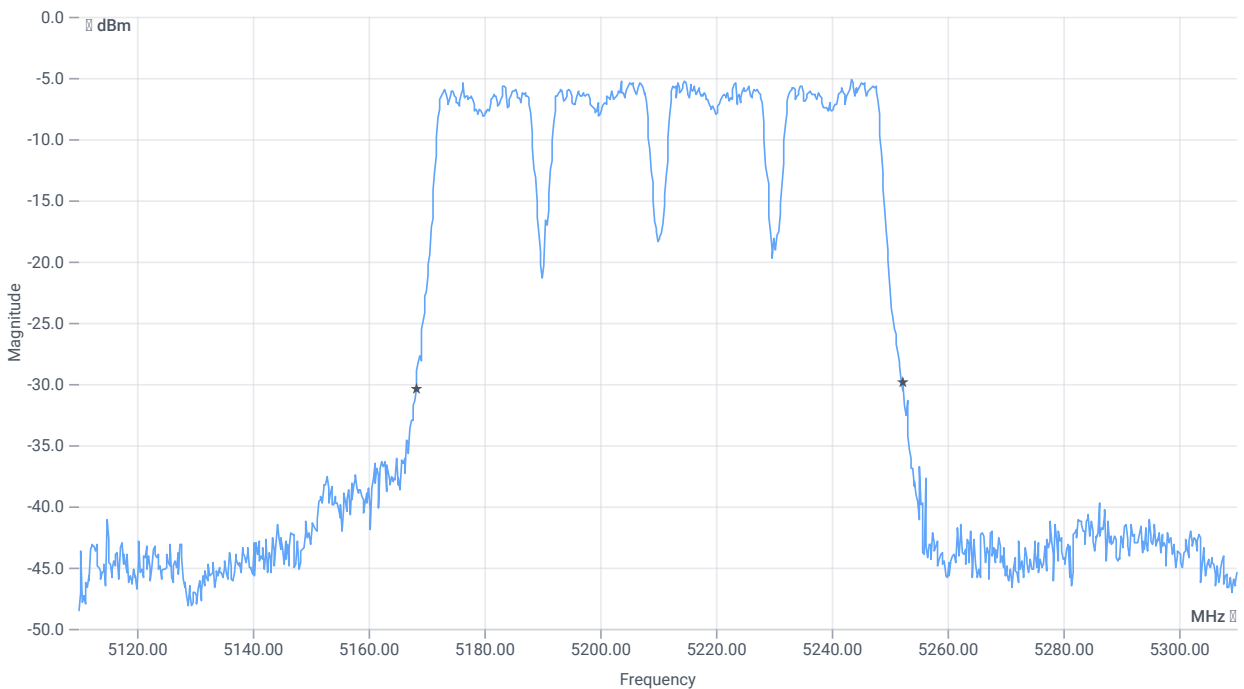




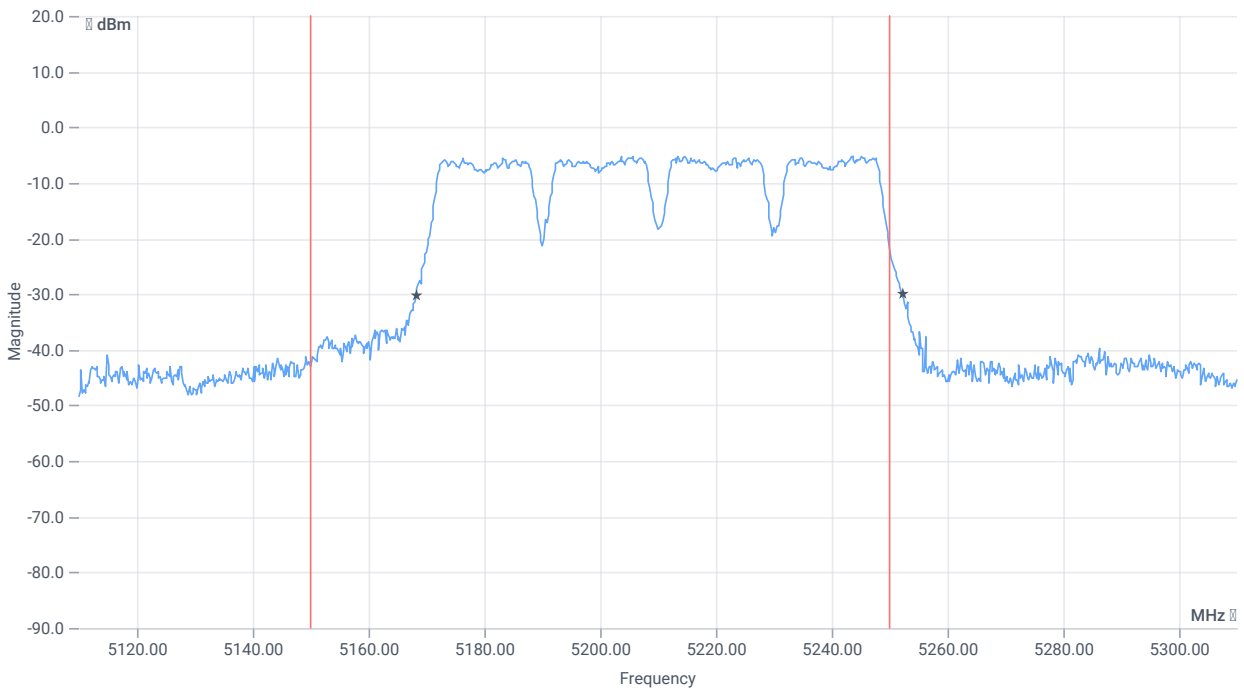
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.523	MHz	INFO
T1 99%	5150.000000	--	5171.8382	MHz	PASS
T2 99%	--	5250.000000	5248.3616	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	84.2	MHz	INFO
T1 26dB	5150.000000	--	5168.2000	MHz	PASS
T2 26dB	--	5250.000000	5252.4000	MHz	DFS required

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx ac-VHT80 mode U-NII-1

## References

TC start	26.01.2024 18:31:59
Ambit temp [°C]   humidity [rel%]	26.8   30
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

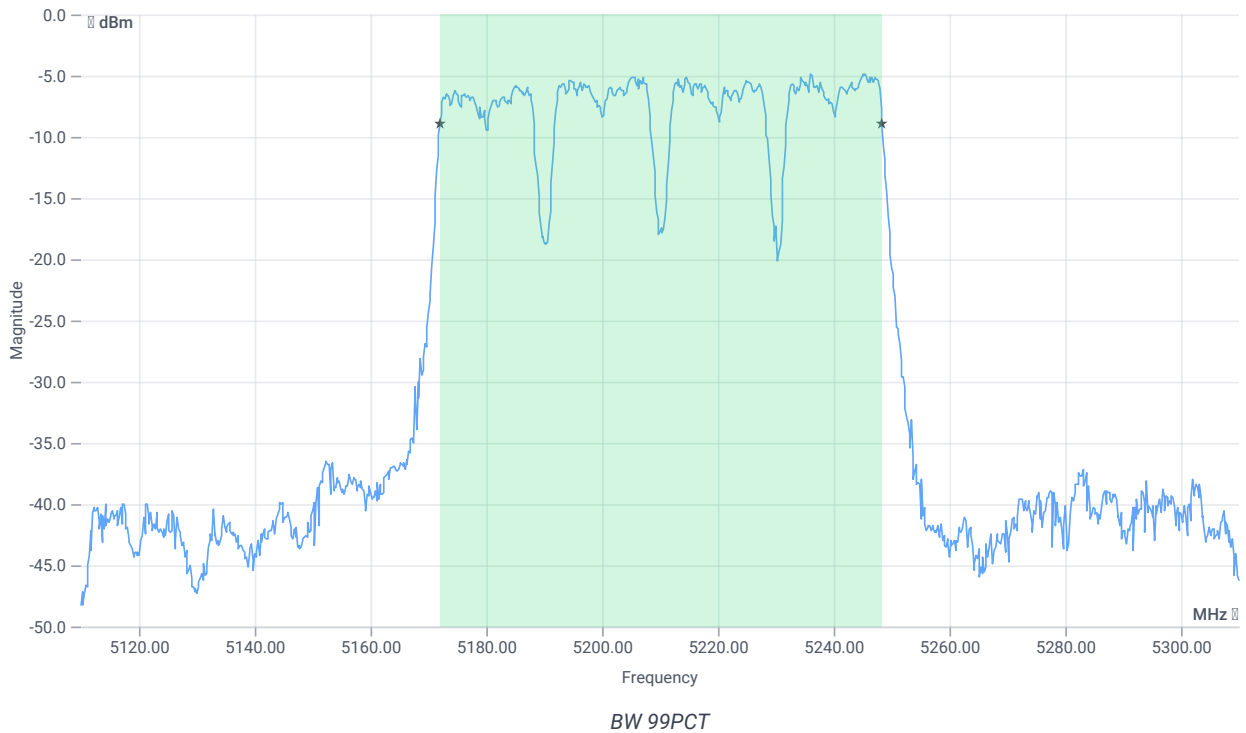
## Test at TX 5210 MHz

RESULT: Reference power cond.

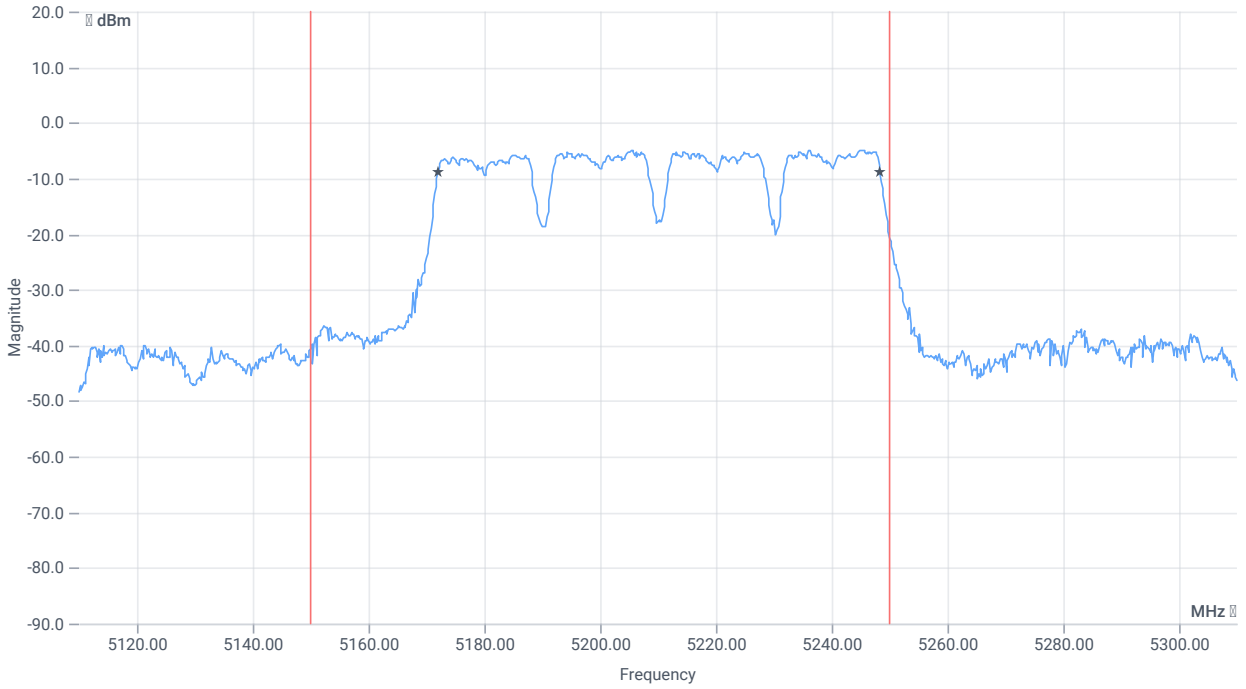
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.34	dBm	INFO
Ref. frequency	--	--	5244.970	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.66   10.02   10
Start [MHz]   Stop [MHz]	5110.000   5310.000
RBW [MHz]   VBW [MHz]	1.000000   5.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



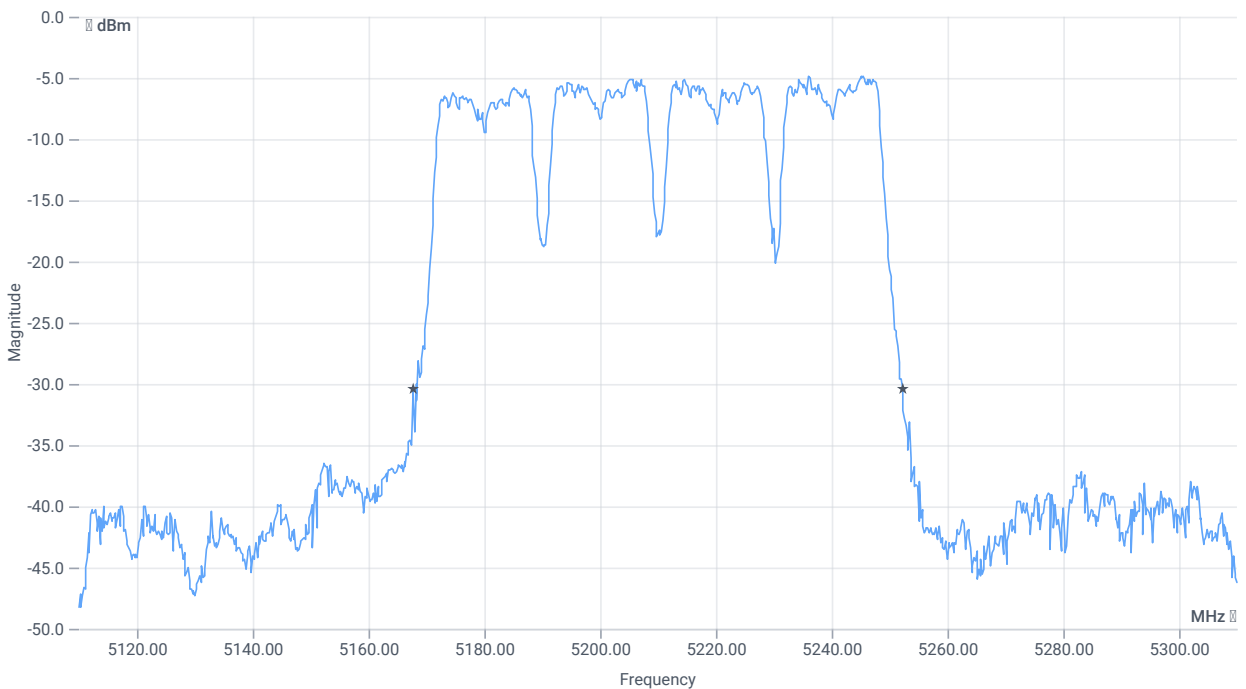




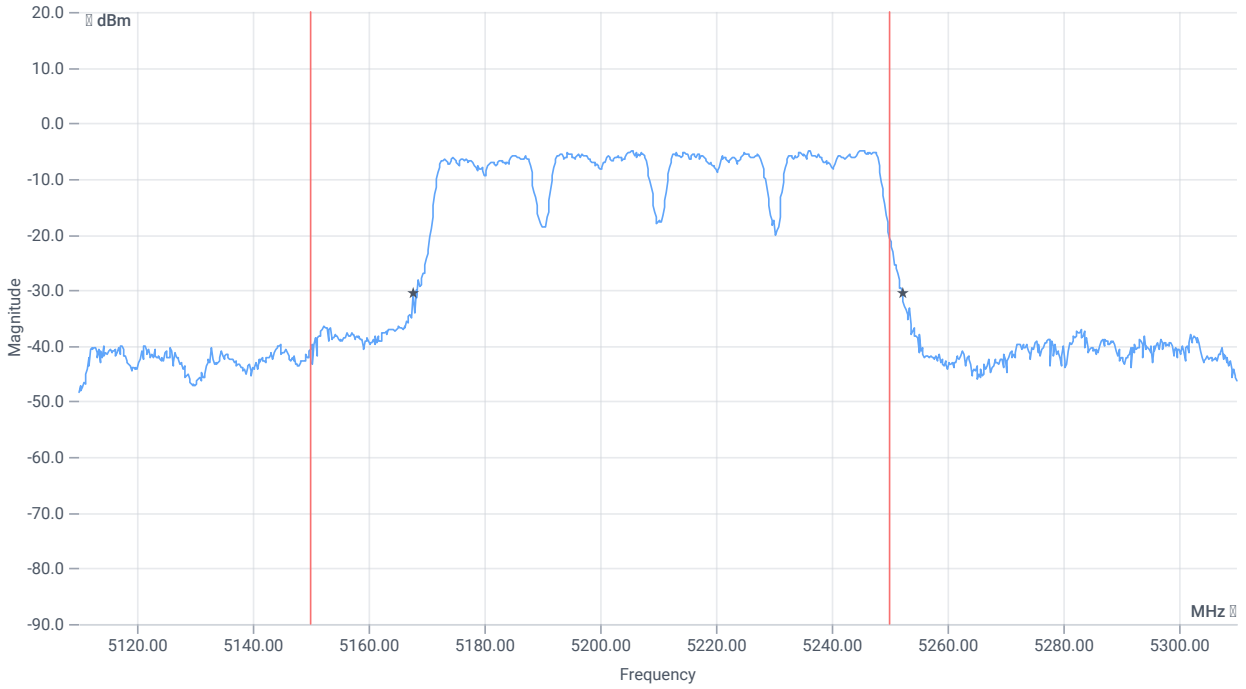
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	76.324	MHz	INFO
T1 99%	5150.000000	--	5172.0380	MHz	PASS
T2 99%	--	5250.000000	5248.3616	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	84.6	MHz	INFO
T1 26dB	5150.000000	--	5167.6000	MHz	PASS
T2 26dB	--	5250.000000	5252.2000	MHz	DFS required

Verdict

PASS

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

## References

TC start	26.01.2024 18:20:41
Ambit temp [°C]   humidity [rel%]	26.8   32
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

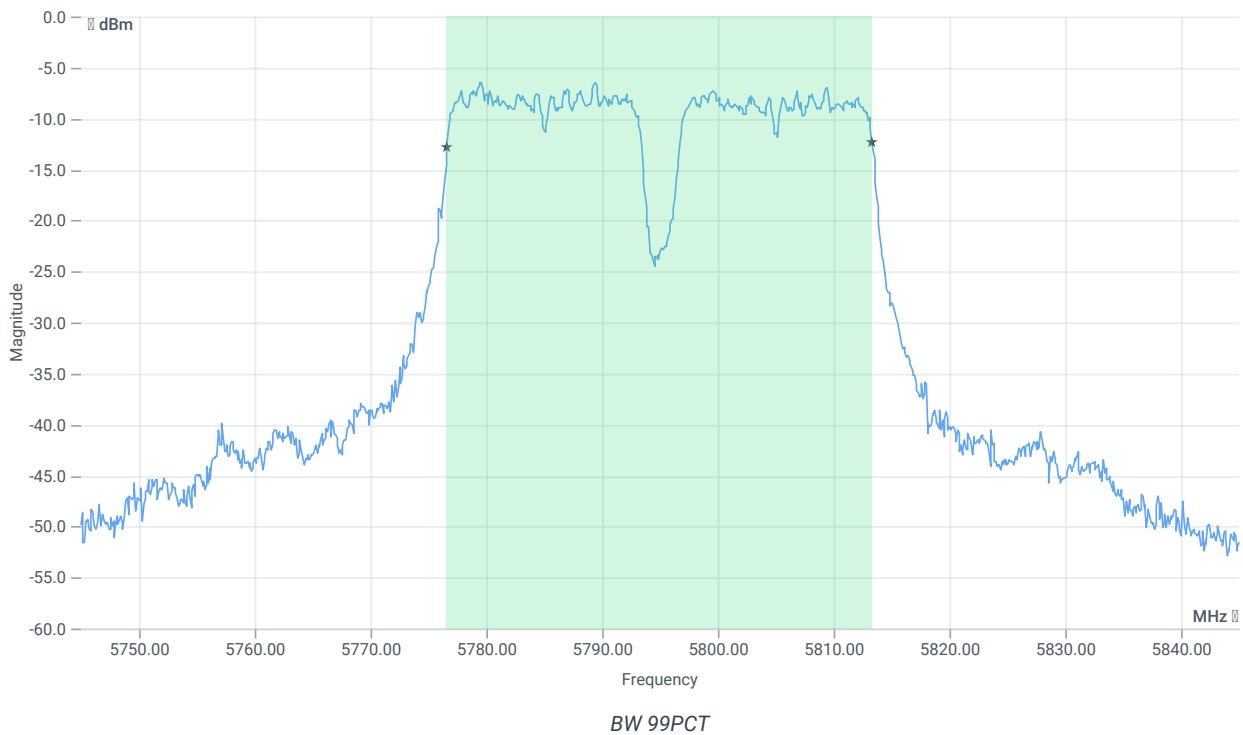
## Test at TX 5795 MHz

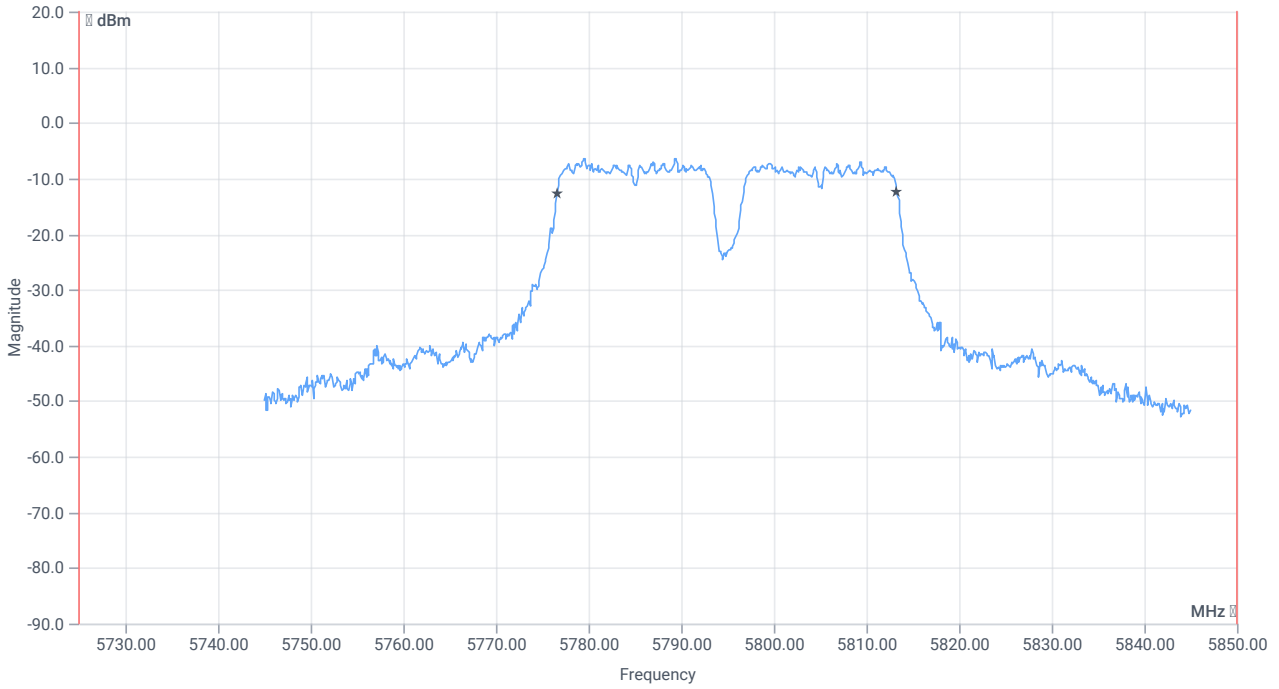
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.72	dBm	INFO
Ref. frequency	--	--	5781.810	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.28   10.41   10
Start [MHz]   Stop [MHz]	5745.000   5845.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

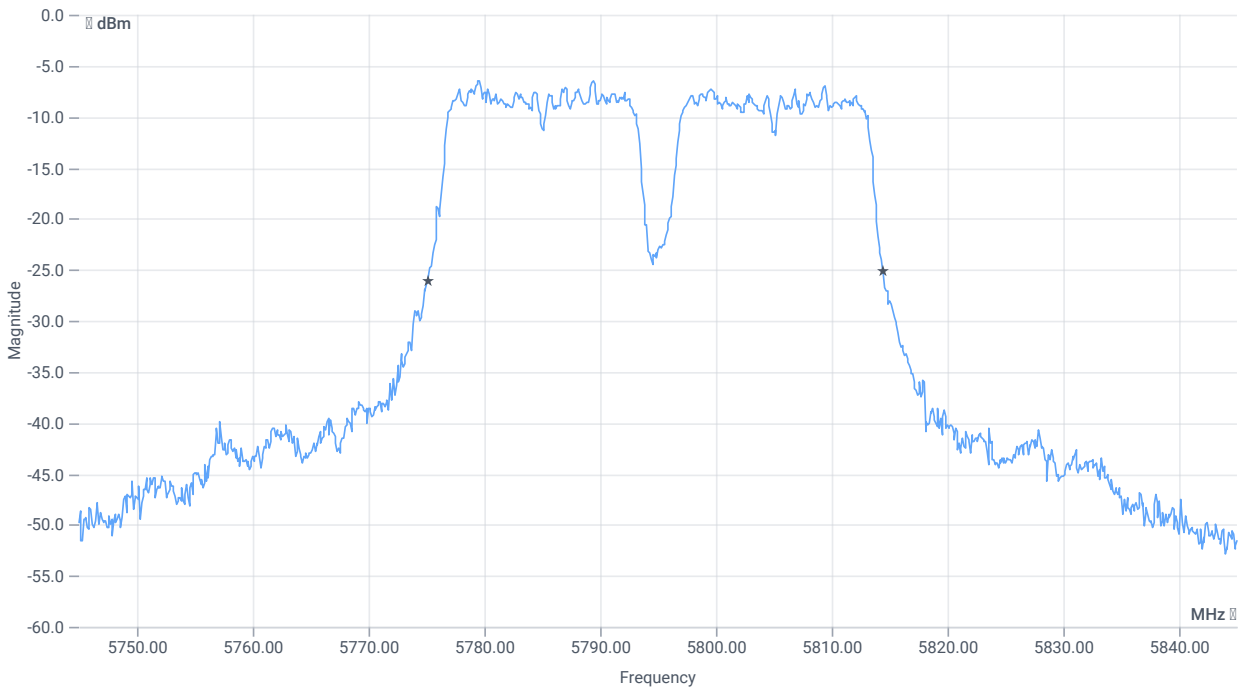




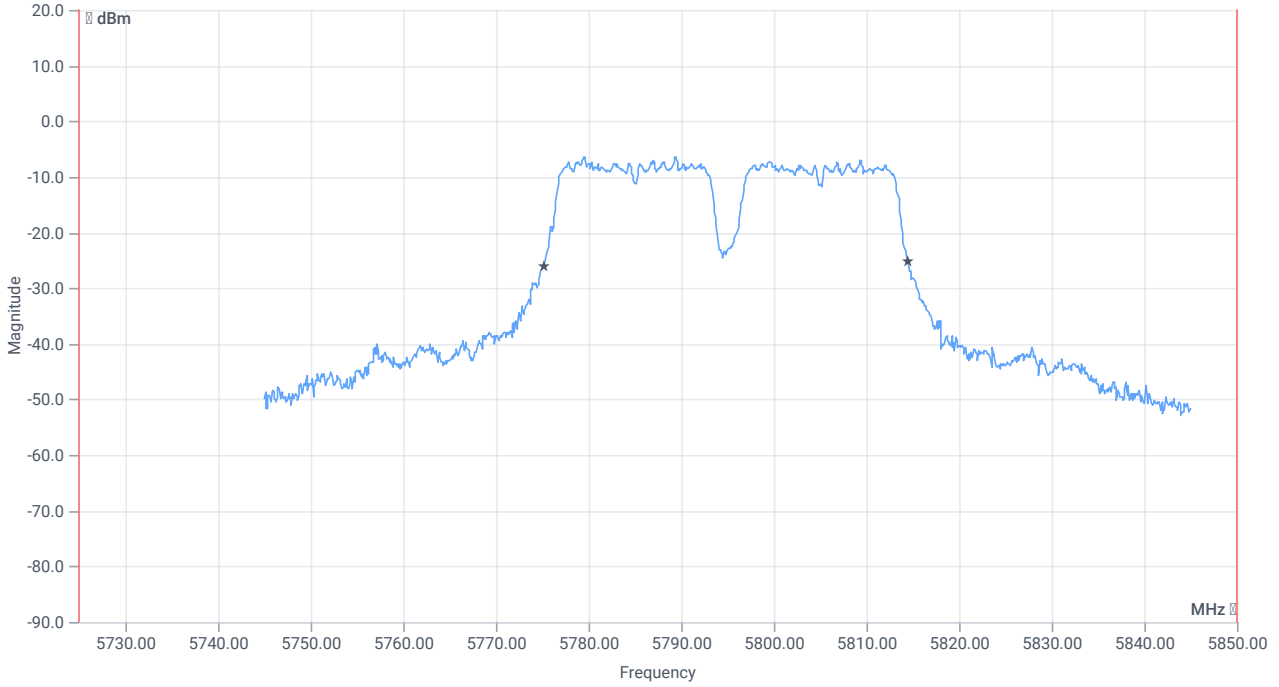
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5725.000000	--	5776.6184	MHz	PASS
T2 99%	--	5850.000000	5813.2817	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	39.4	MHz	INFO
T1 20dB	5725.000000	--	5775.1000	MHz	PASS
T2 20dB	--	5850.000000	5814.5000	MHz	PASS

Verdict

PASS



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

## References

TC start	26.01.2024 18:13:42
Ambit temp [°C]   humidity [rel%]	26.8   33
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

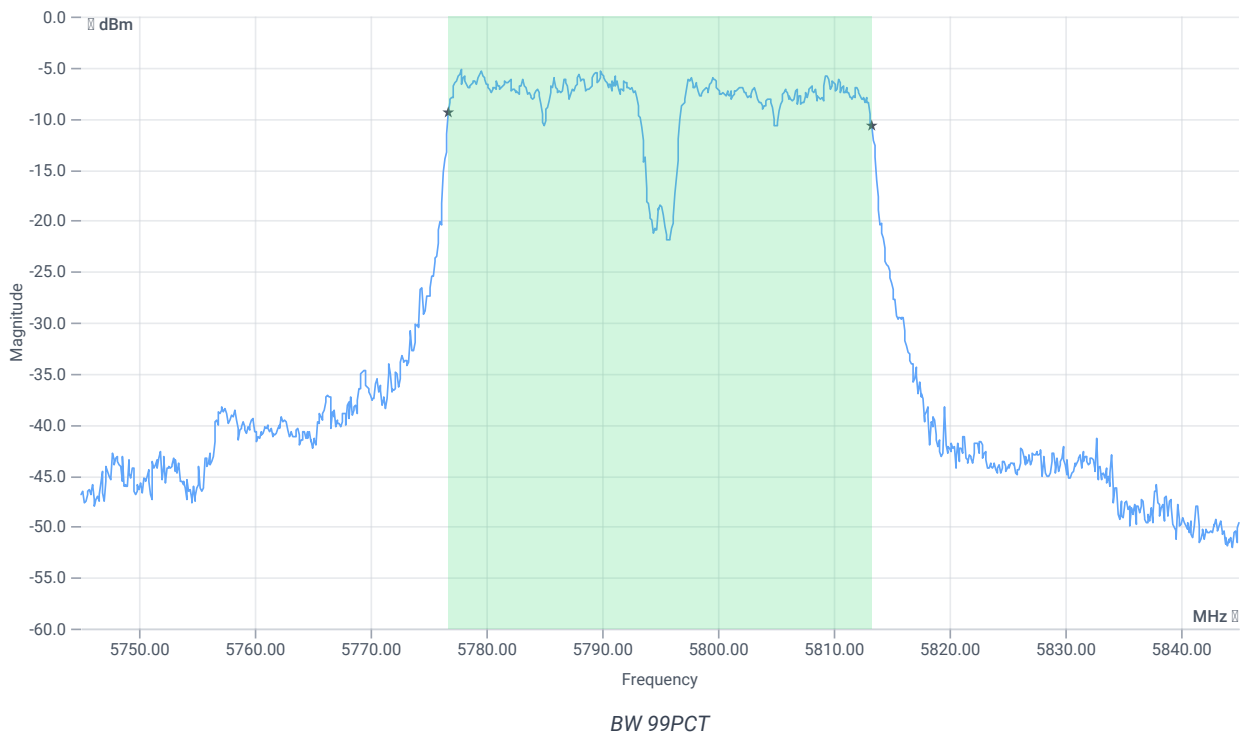
## Test at TX 5795 MHz

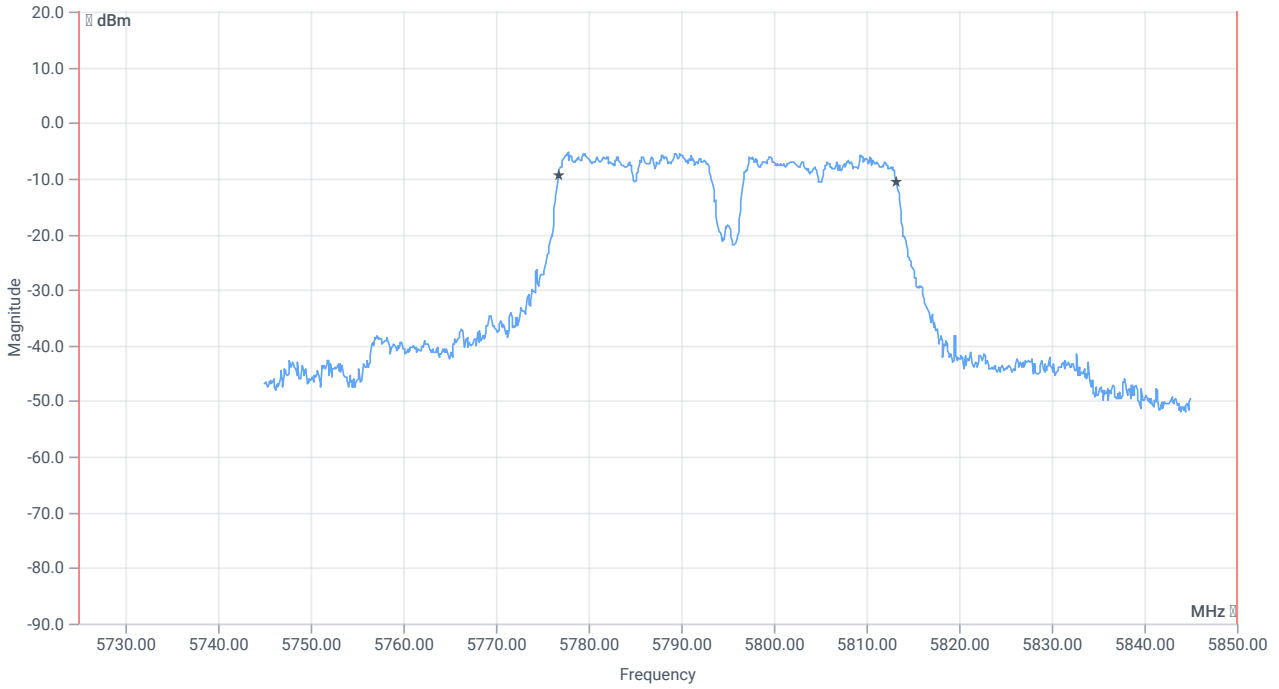
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.52	dBm	INFO
Ref. frequency	--	--	5790.200	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.48   10.37   10
Start [MHz]   Stop [MHz]	5745.000   5845.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

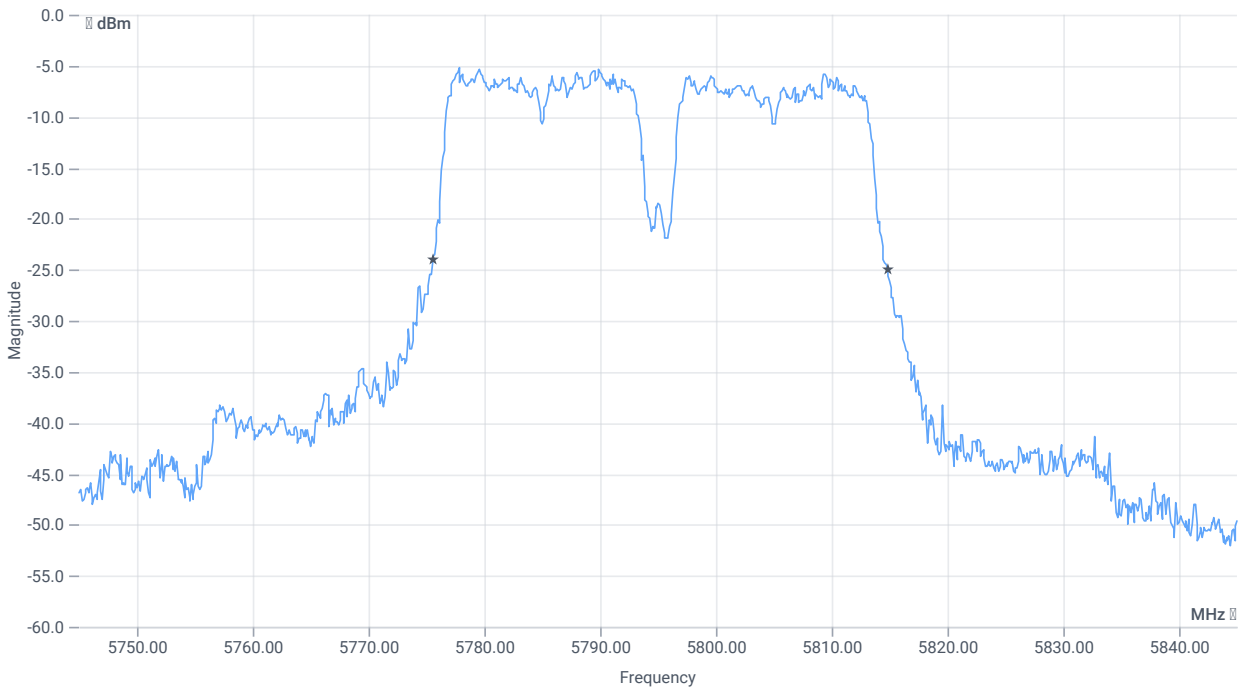




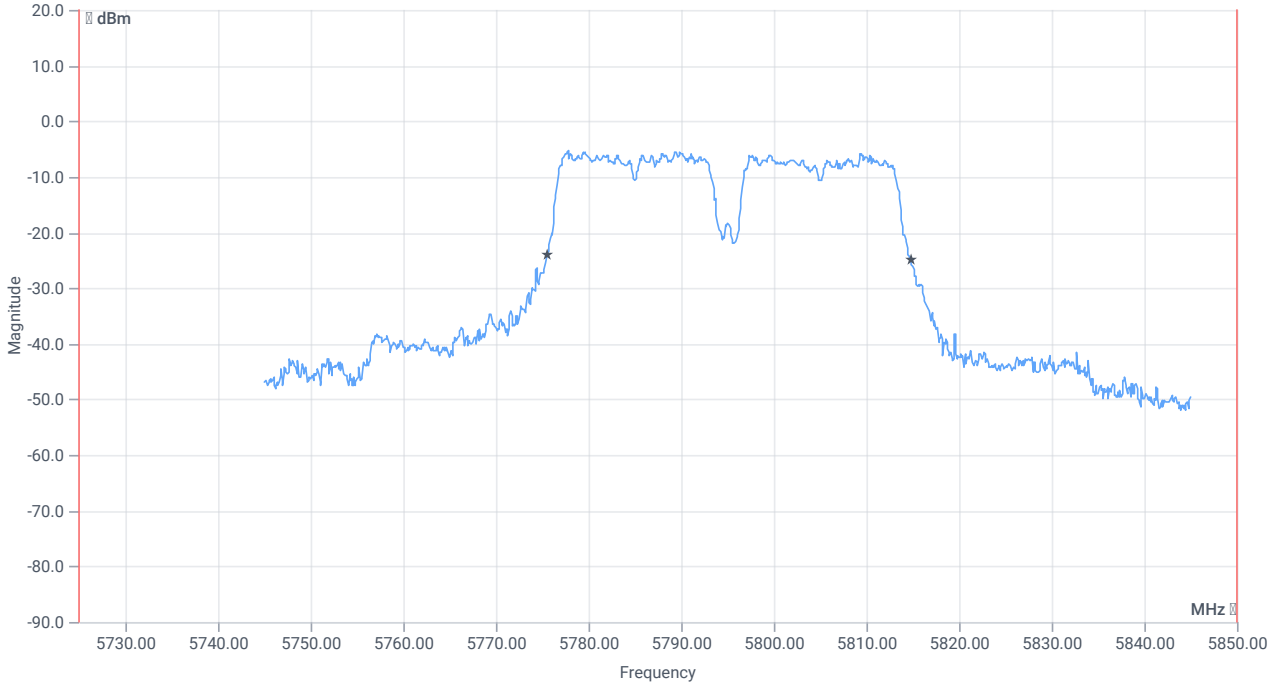
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.563	MHz	INFO
T1 99%	5725.000000	--	5776.7183	MHz	PASS
T2 99%	--	5850.000000	5813.2817	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	39.3	MHz	INFO
T1 20dB	5725.000000	--	5775.5000	MHz	PASS
T2 20dB	--	5850.000000	5814.8000	MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 18:02:12
Ambit temp [°C]   humidity [rel%]	26.8   33
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

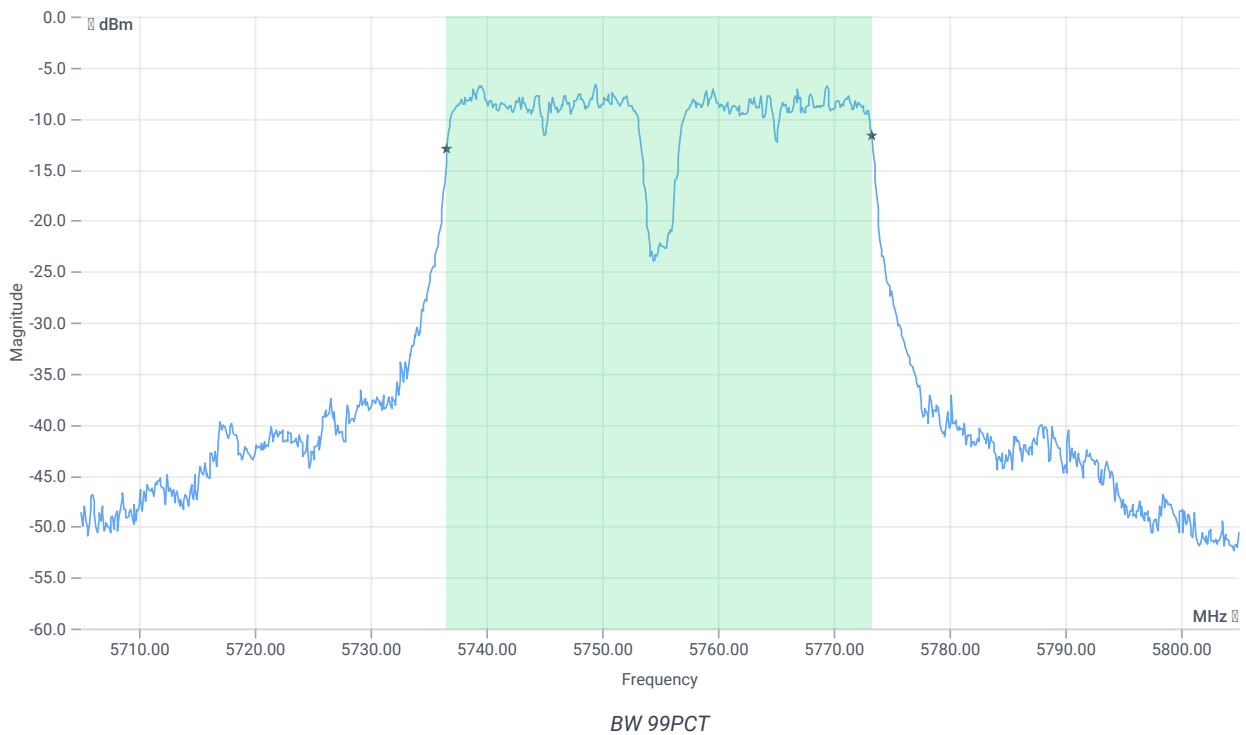
## Test at TX 5755 MHz

RESULT: Reference power cond.

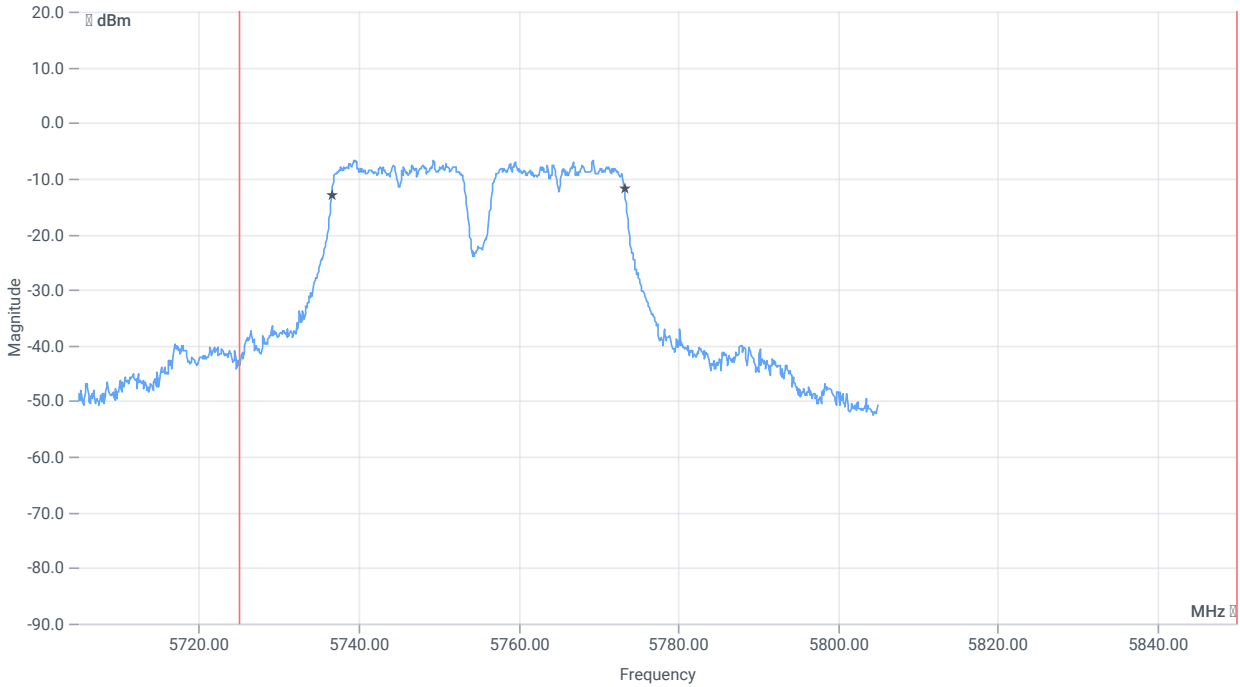
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.23	dBm	INFO
Ref. frequency	--	--	5751.800	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	3.77   10.41   10
Start [MHz]   Stop [MHz]	5705.000   5805.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



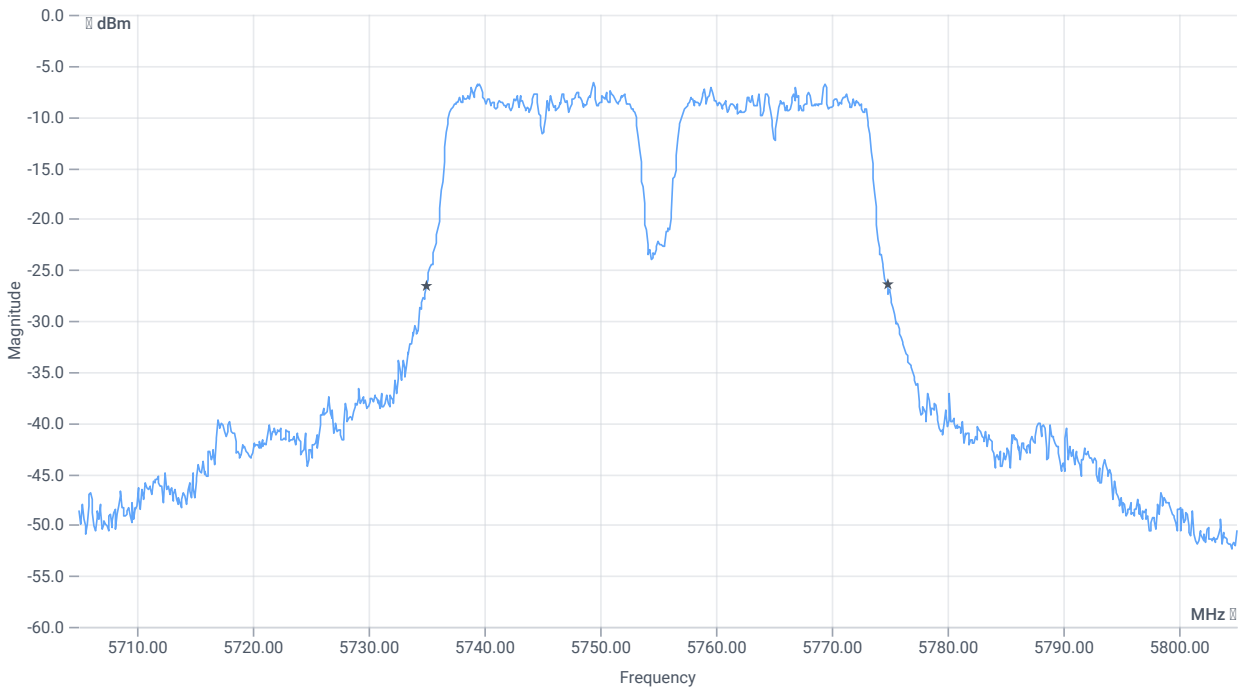




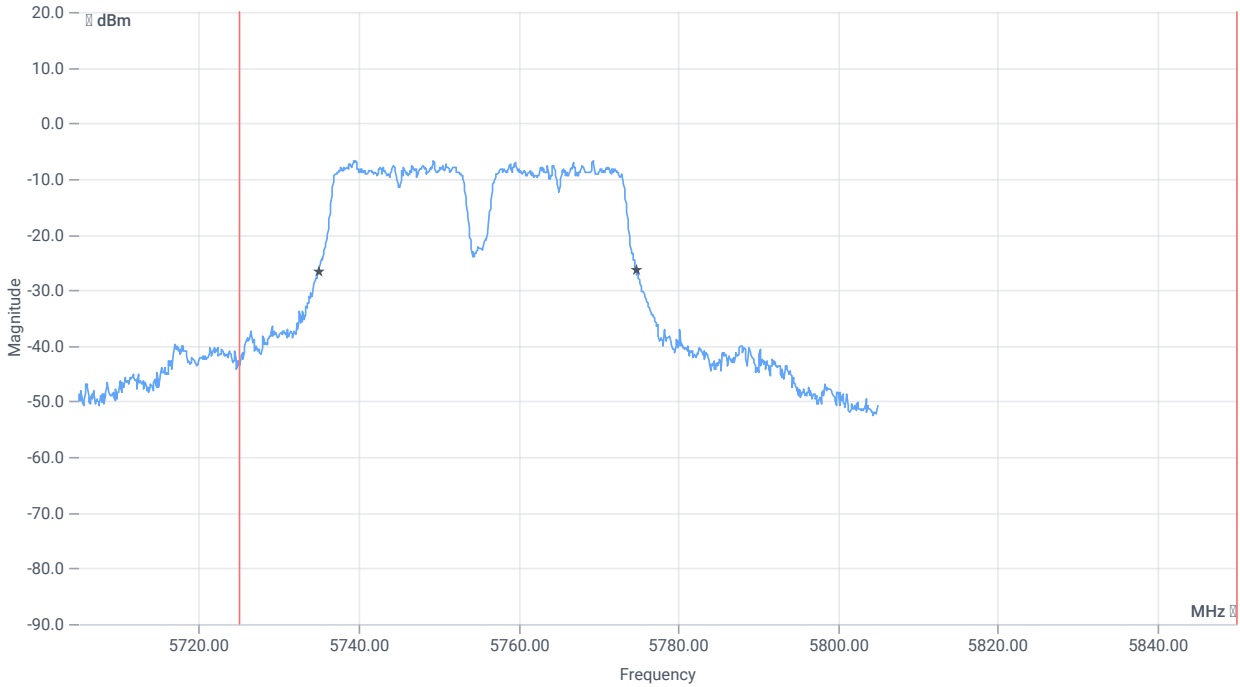
BW within band 99PCT

**RESULT**

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5725.000000	--	5736.6184	MHz	PASS
T2 99%	--	5850.000000	5773.2817	MHz	PASS



BW 20dB



BW within band 20dB

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	39.8	MHz	INFO
T1 20dB	5725.000000	--	5735.0000	MHz	PASS
T2 20dB	--	5850.000000	5774.8000	MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 17:55:13
Ambit temp [°C]   humidity [rel%]	26.8   35
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

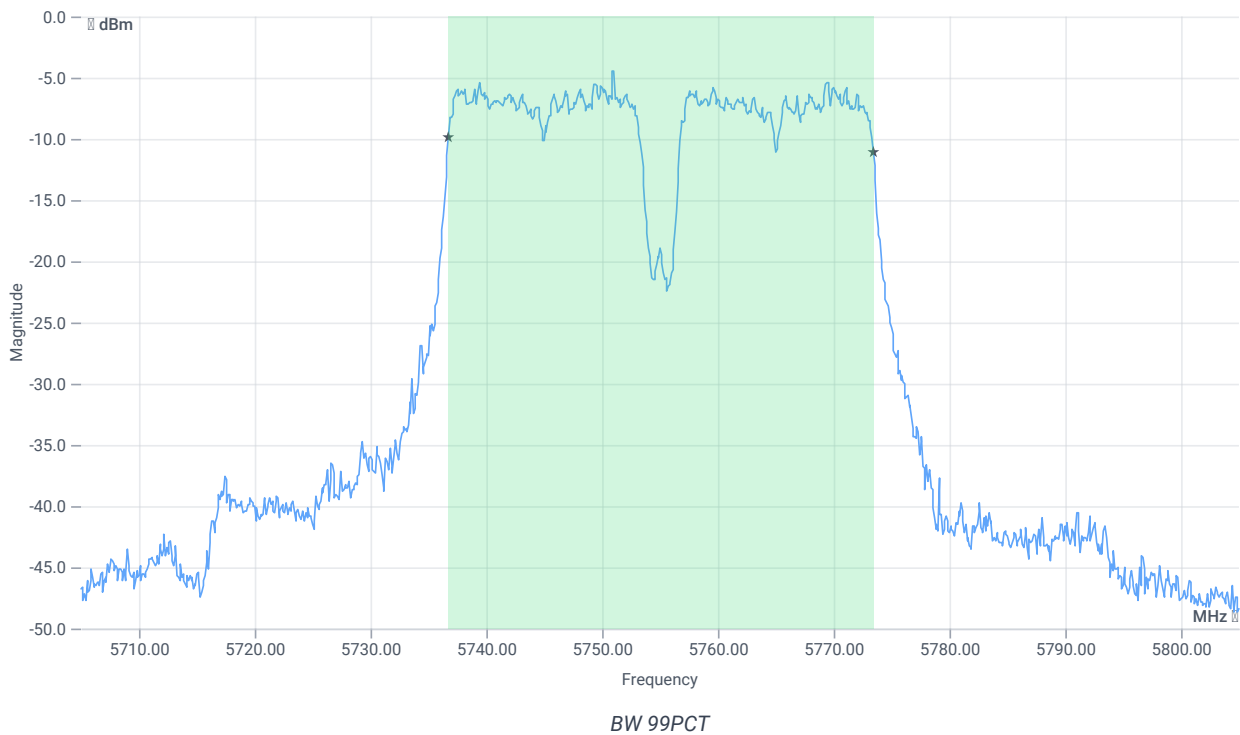
## Test at TX 5755 MHz

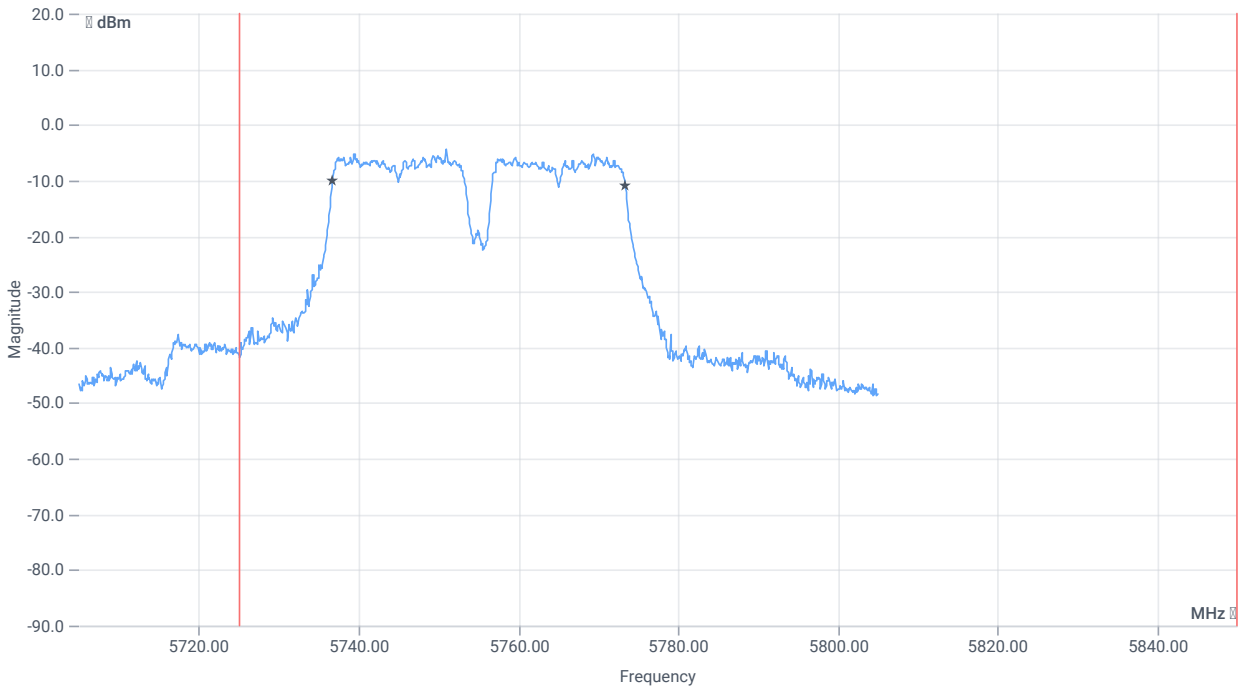
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.44	dBm	INFO
Ref. frequency	--	--	5769.790	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.56   10.39   15
Start [MHz]   Stop [MHz]	5705.000   5805.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

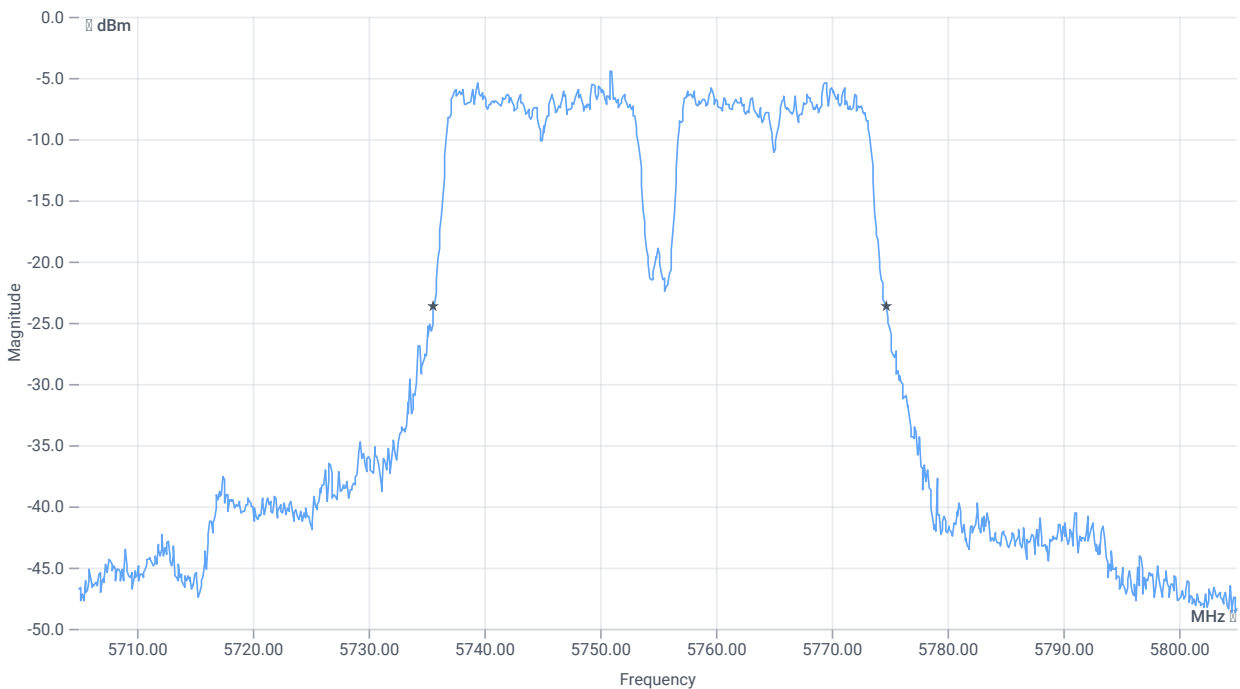




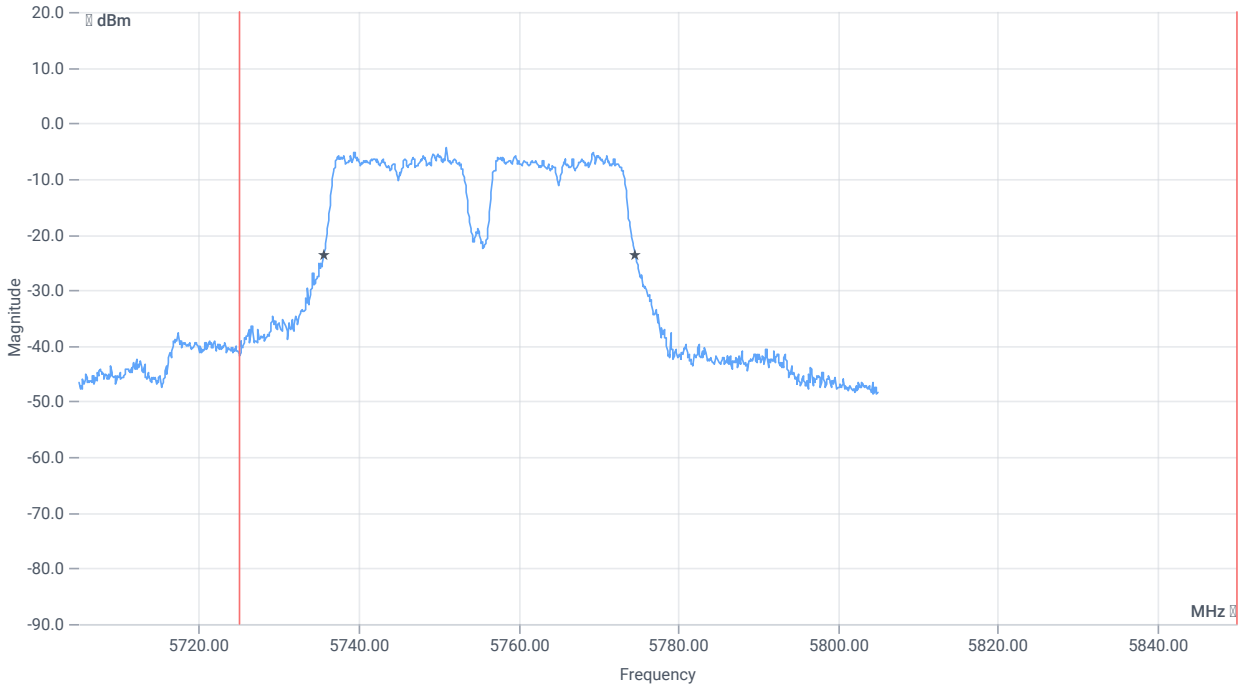
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5725.000000	--	5736.7183	MHz	PASS
T2 99%	--	5850.000000	5773.3816	MHz	PASS



BW 20dB



BW within band 20dB

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	39.1	MHz	INFO
T1 20dB	5725.000000	--	5735.6000	MHz	PASS
T2 20dB	--	5850.000000	5774.7000	MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 17:47:37
Ambit temp [°C]   humidity [rel%]	26.9   35
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5190
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5230
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

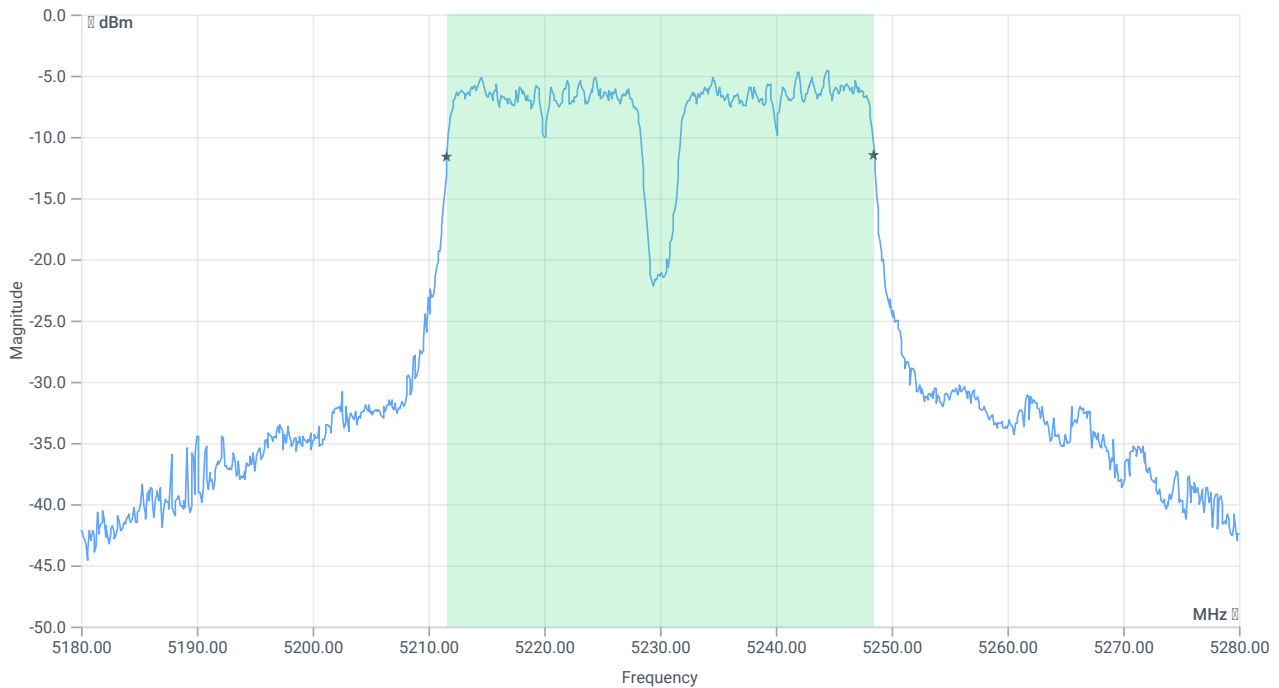
## Test at TX 5230 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-1.94	dBm	INFO
Ref. frequency	--	--	5225.000	MHz	INFO

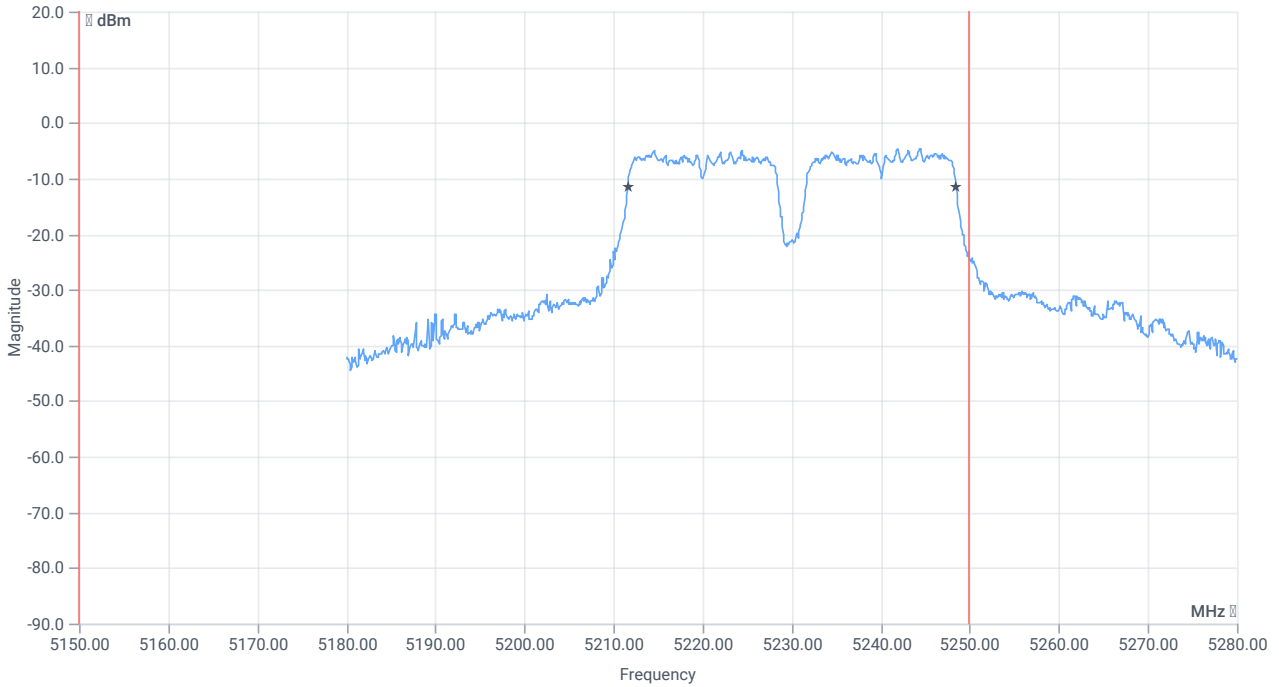
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.06   9.97   15
Start [MHz]   Stop [MHz]	5180.000   5280.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



BW 99PCT

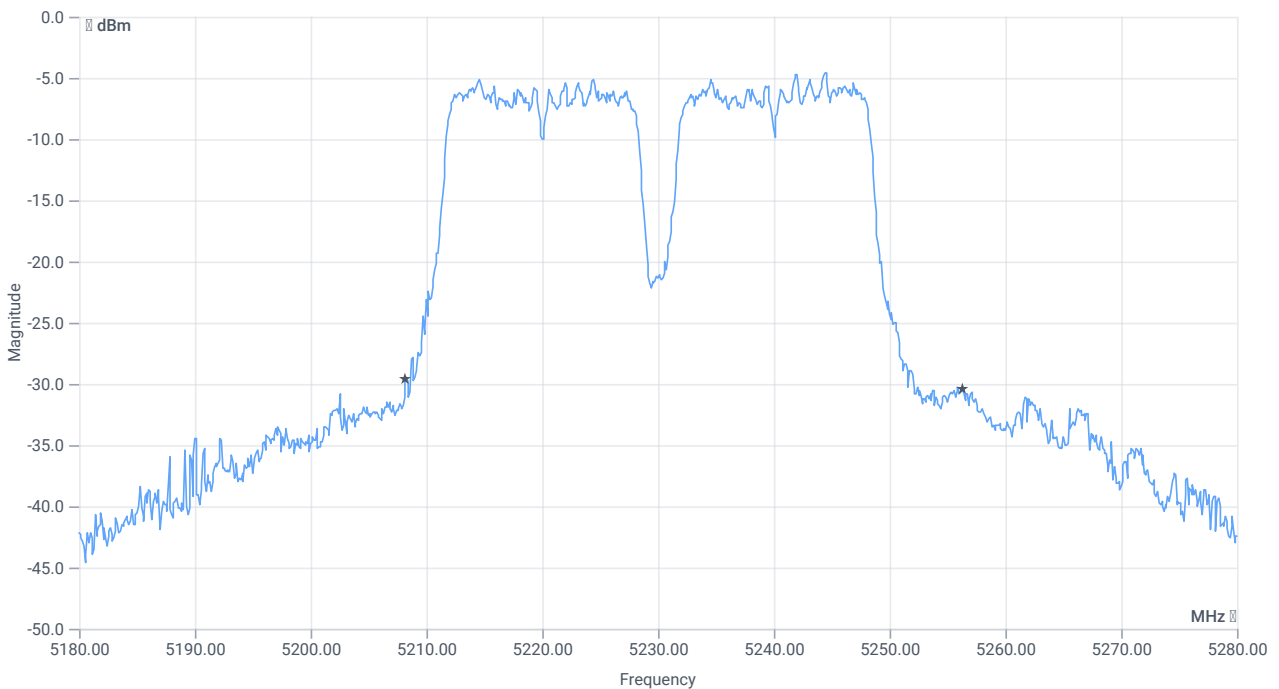




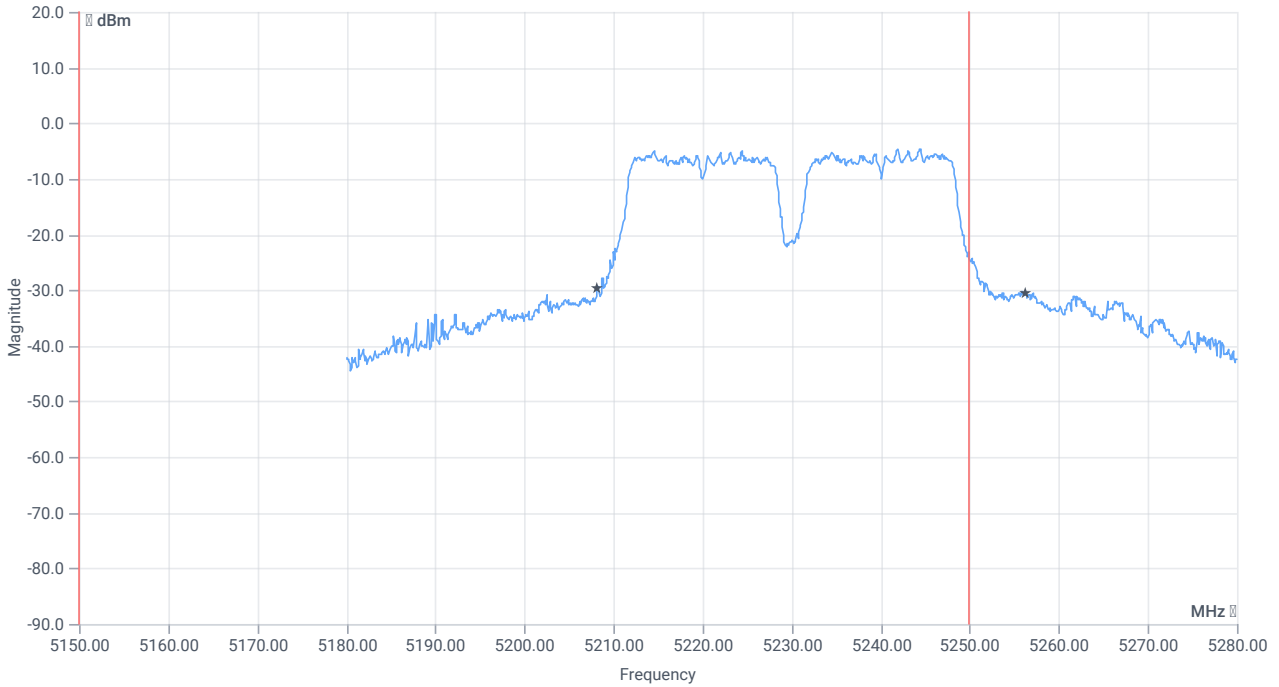
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.863	MHz	INFO
T1 99%	5150.000000	--	5211.6184	MHz	PASS
T2 99%	--	5250.000000	5248.4815	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	48.1	MHz	INFO
T1 26dB	5150.000000	--	5208.2000	MHz	PASS
T2 26dB	--	5250.000000	5256.3000	MHz	DFS required

Verdict

PASS

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

### References

TC start	26.01.2024 17:43:25
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5190
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5230
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

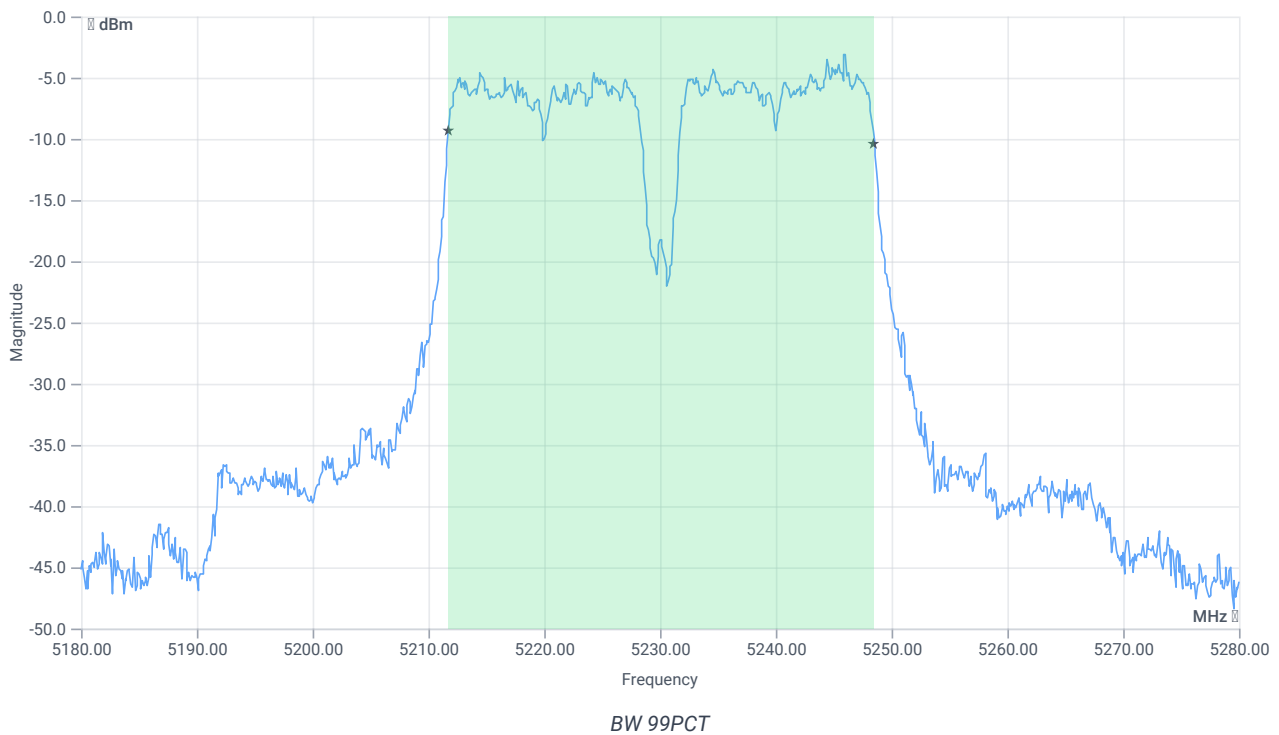
## Test at TX 5230 MHz

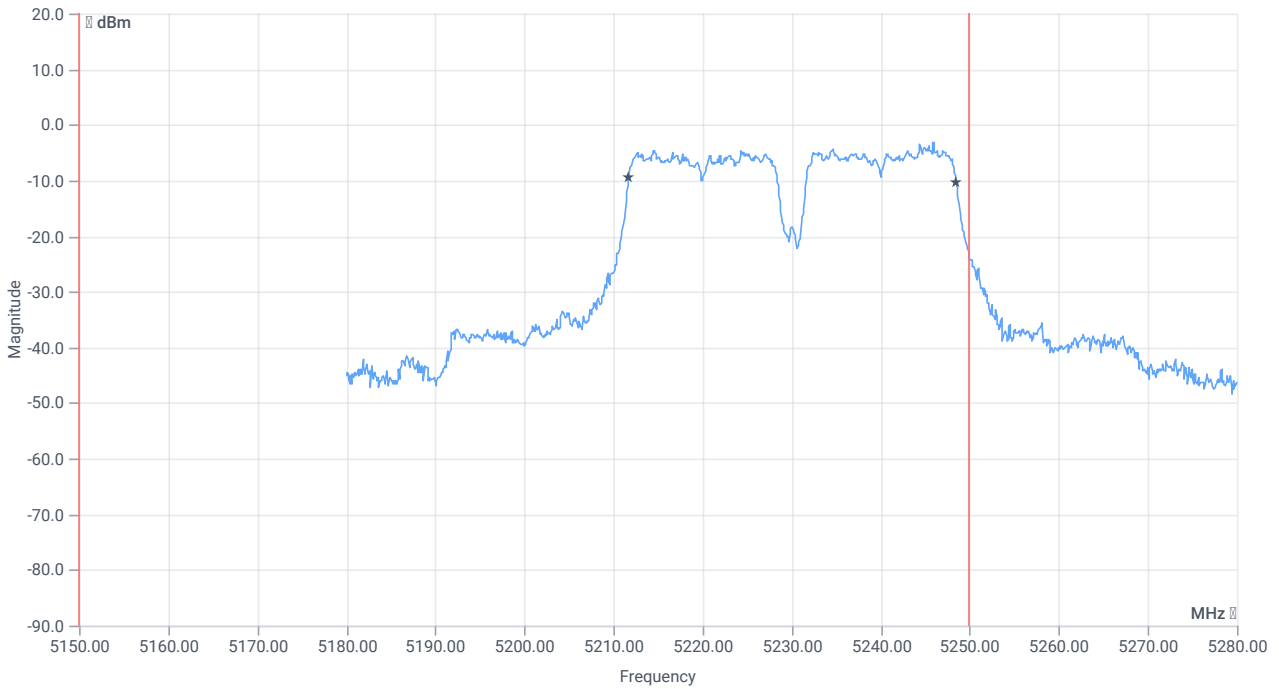
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-1.72	dBm	INFO
Ref. frequency	--	--	5212.620	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.28   9.95   15
Start [MHz]   Stop [MHz]	5180.000   5280.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

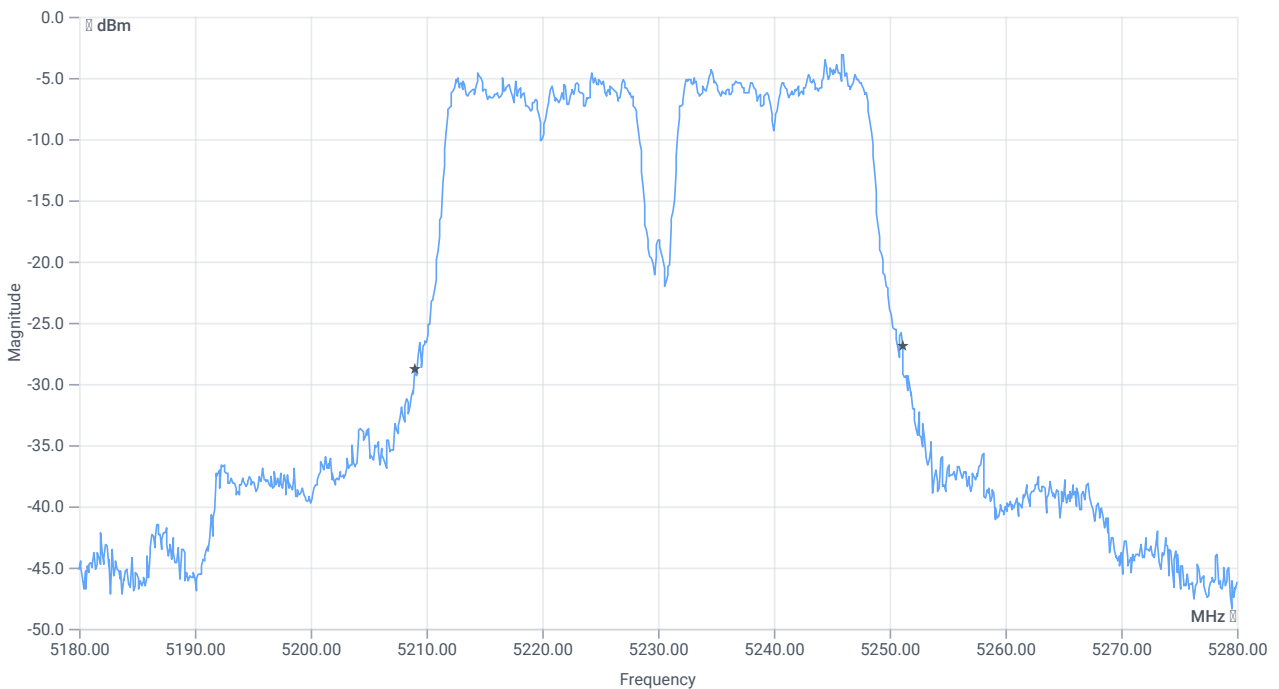




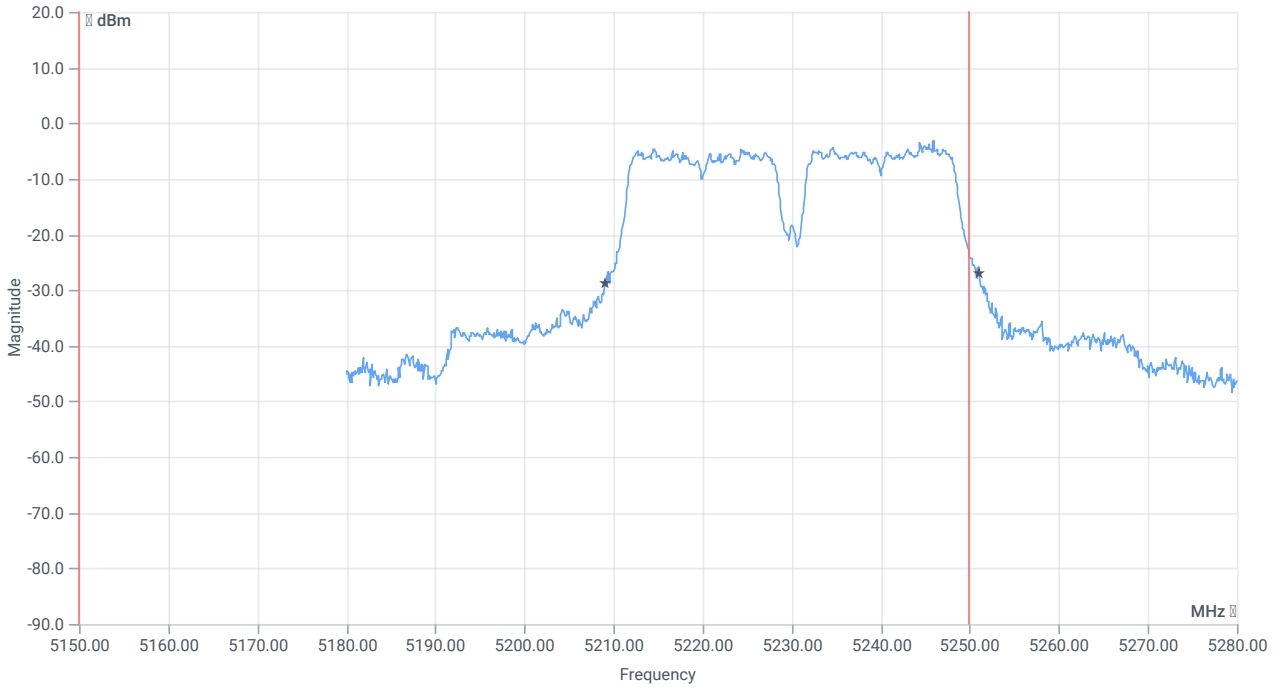
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.763	MHz	INFO
T1 99%	5150.000000	--	5211.7183	MHz	PASS
T2 99%	--	5250.000000	5248.4815	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	42.1	MHz	INFO
T1 26dB	5150.000000	--	5209.0000	MHz	PASS
T2 26dB	--	5250.000000	5251.1000	MHz	DFS required

Verdict

PASS

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

## References

TC start	26.01.2024 17:38:11
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5190
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5230
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

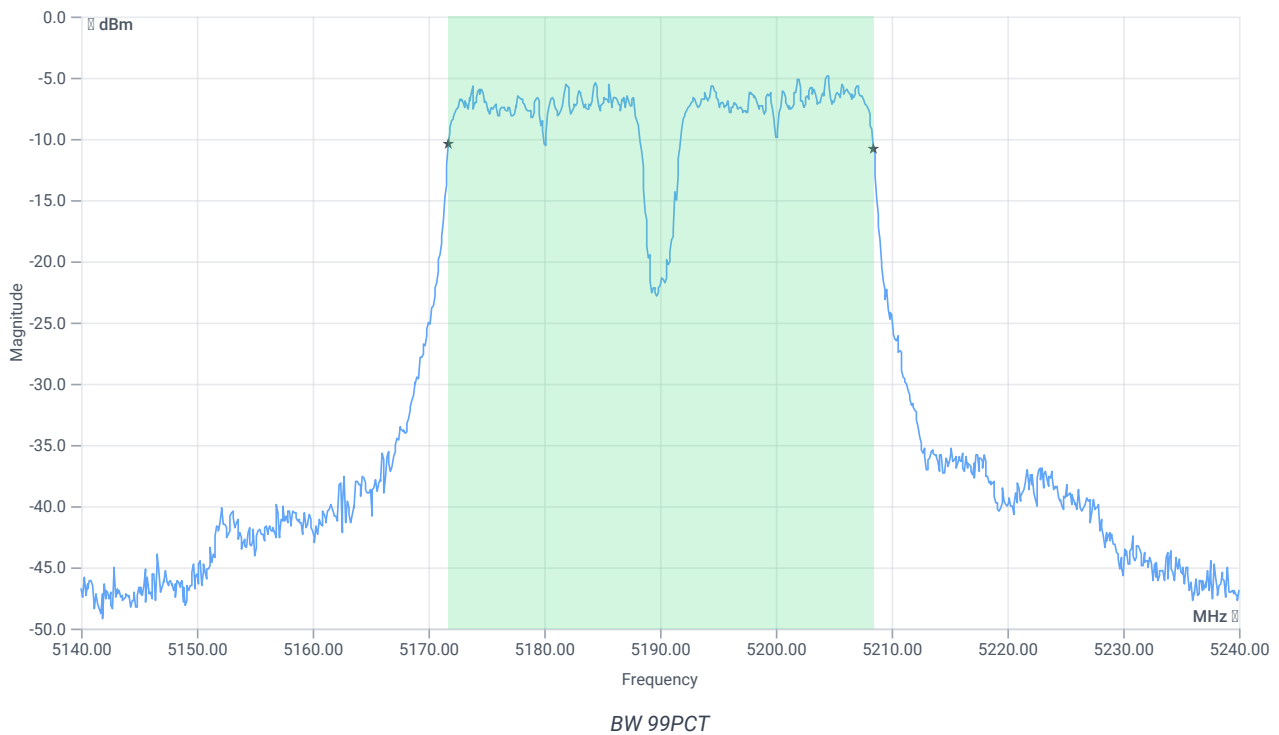
## Test at TX 5190 MHz

RESULT: Reference power cond.

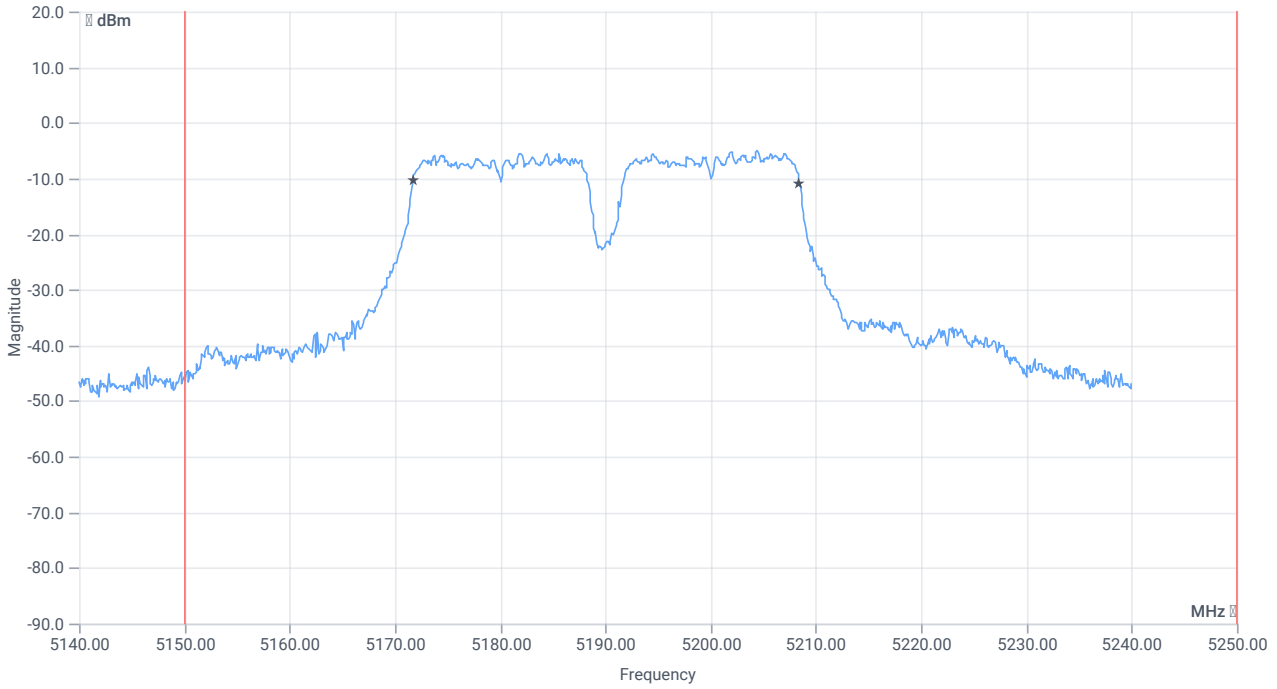
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.57	dBm	INFO
Ref. frequency	--	--	5172.820	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.43   10.04   15
Start [MHz]   Stop [MHz]	5140.000   5240.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



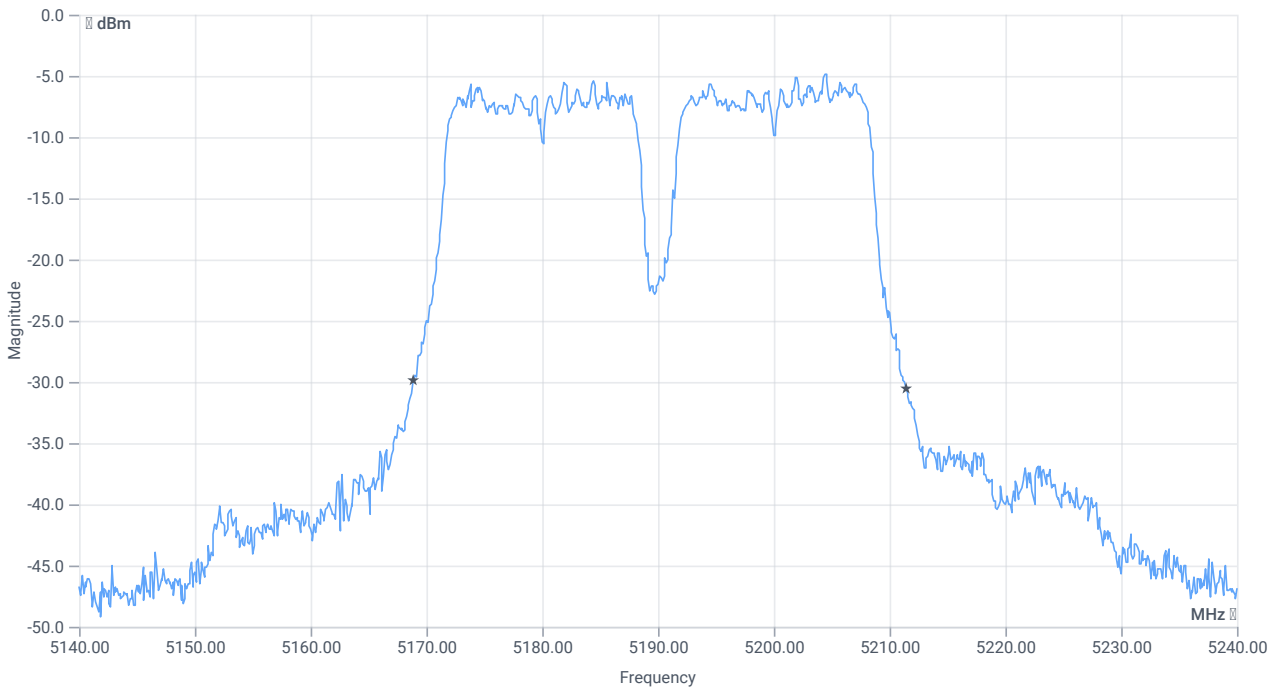




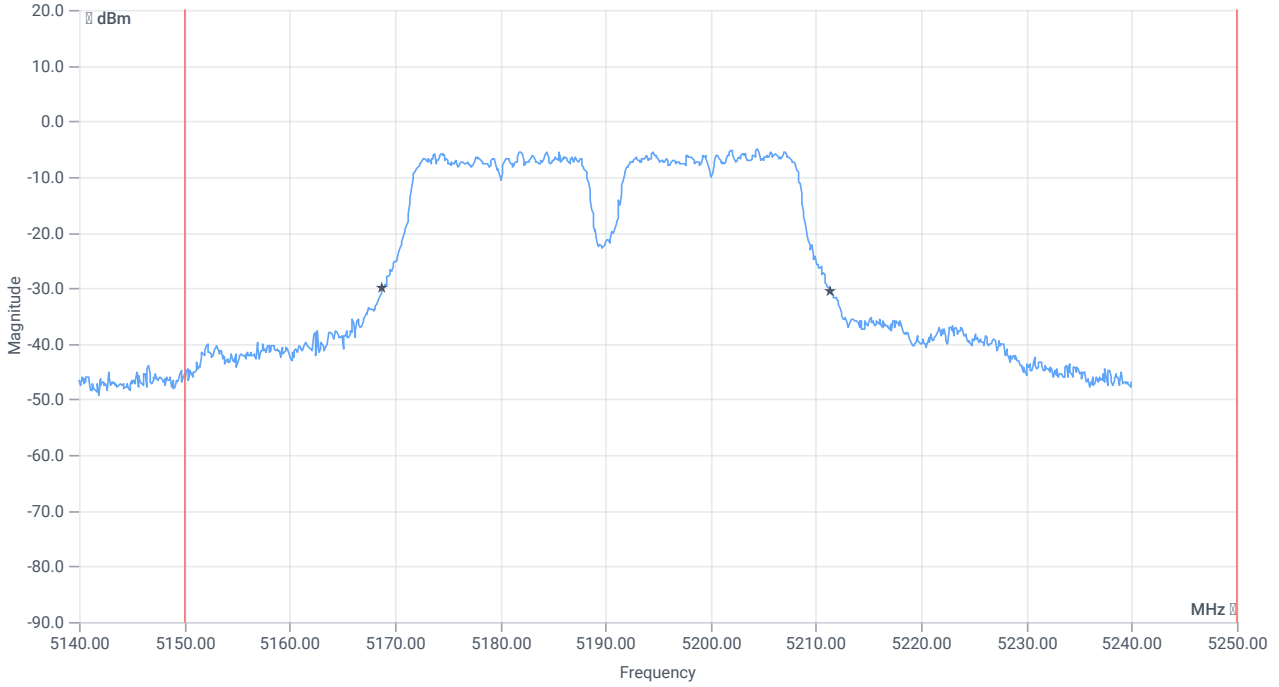
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5150.000000	--	5171.7183	MHz	PASS
T2 99%	--	5250.000000	5208.3816	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	42.6	MHz	INFO
T1 26dB	5150.000000	--	5168.8000	MHz	PASS
T2 26dB	--	5250.000000	5211.4000	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 17:34:00
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	26dB Bandwidth KDB789033 D02, C.1 / ISED RSS-GEN
Description	FCC 15.407 Bandwidths - WLAN5Gx n-HT40 mode U-NII-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5190
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5230
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

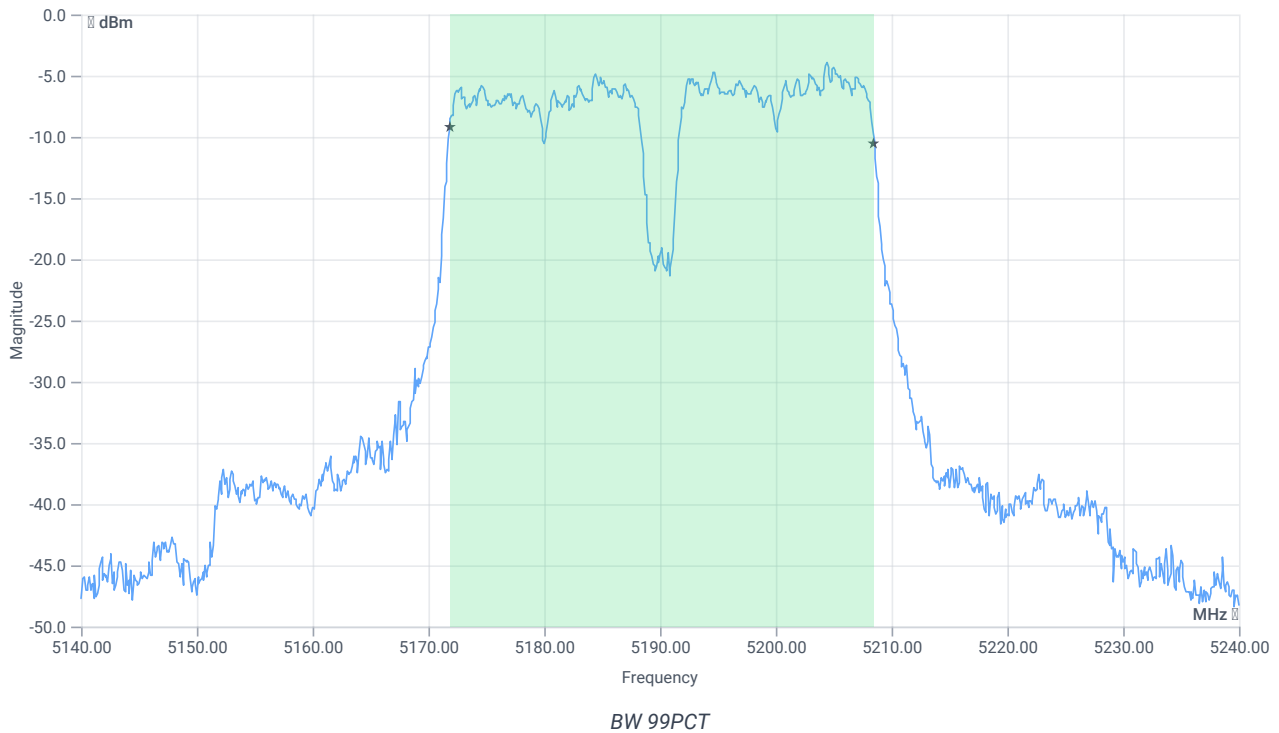
## Test at TX 5190 MHz

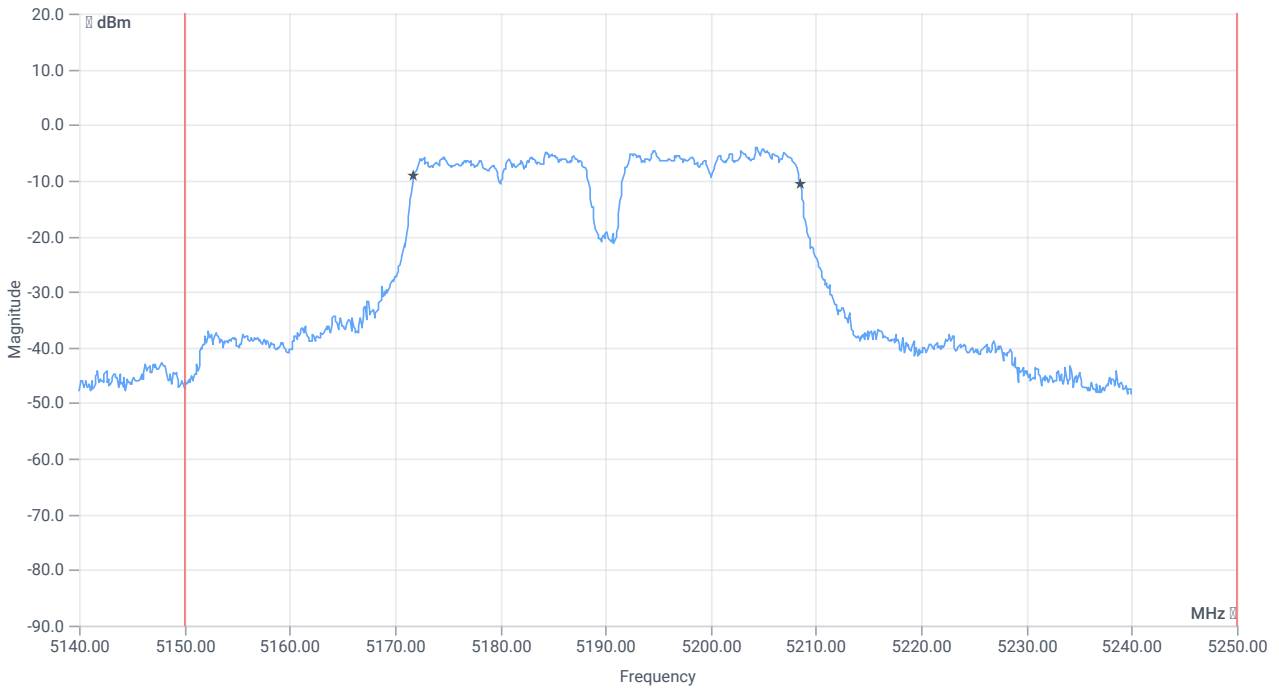
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.09	dBm	INFO
Ref. frequency	--	--	5185.600	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.91   10.02   15
Start [MHz]   Stop [MHz]	5140.000   5240.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

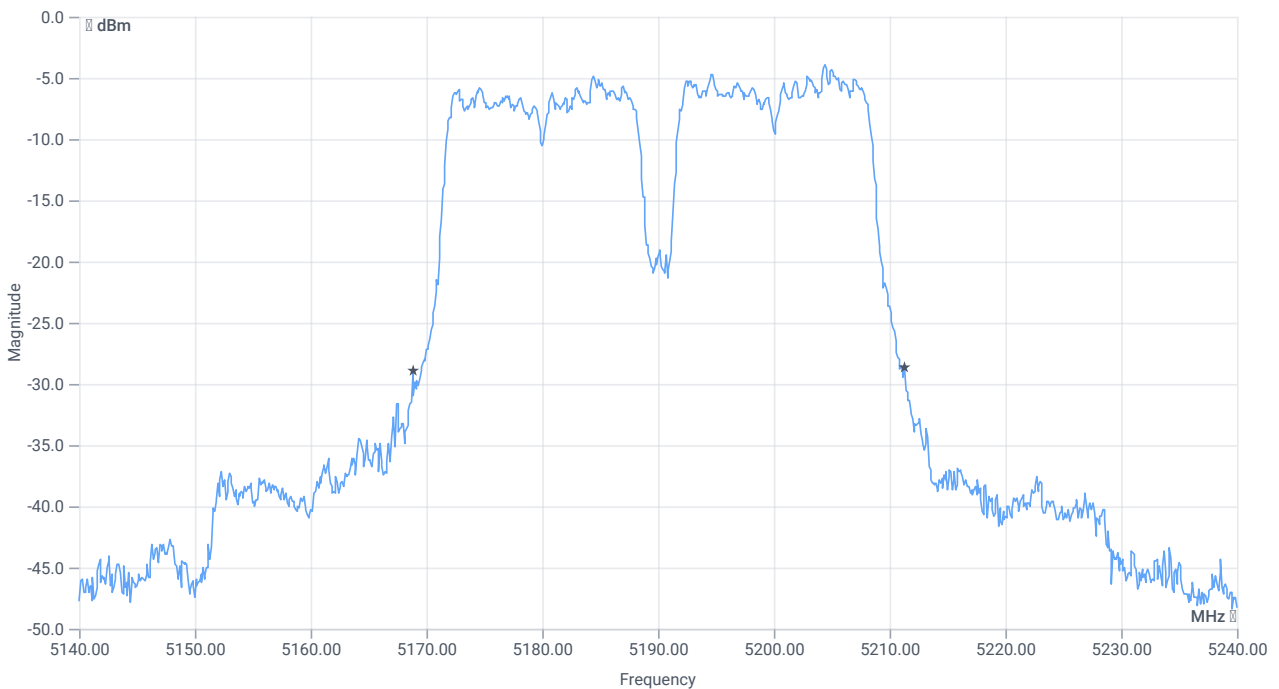




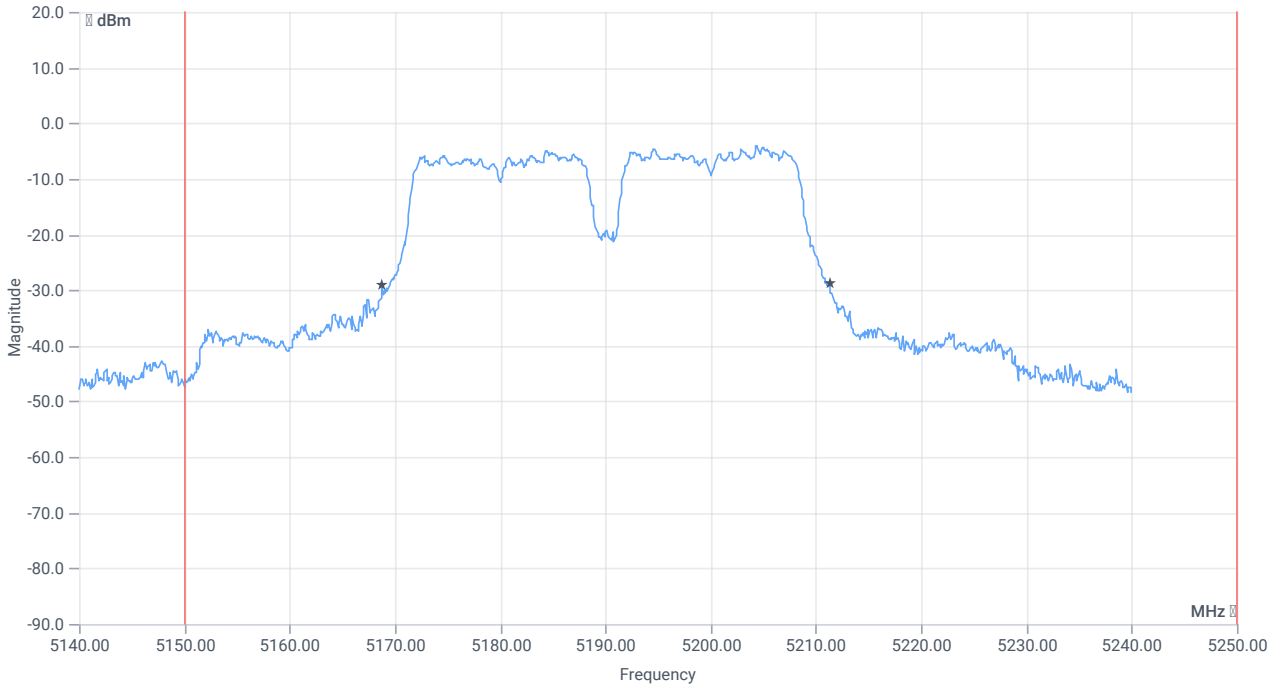
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	36.663	MHz	INFO
T1 99%	5150.000000	--	5171.8182	MHz	PASS
T2 99%	--	5250.000000	5208.4815	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.5	MHz	INFO
T1 26dB	5150.000000	---	5168.8000	MHz	PASS
T2 26dB	---	5250.000000	5211.3000	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:23:31
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

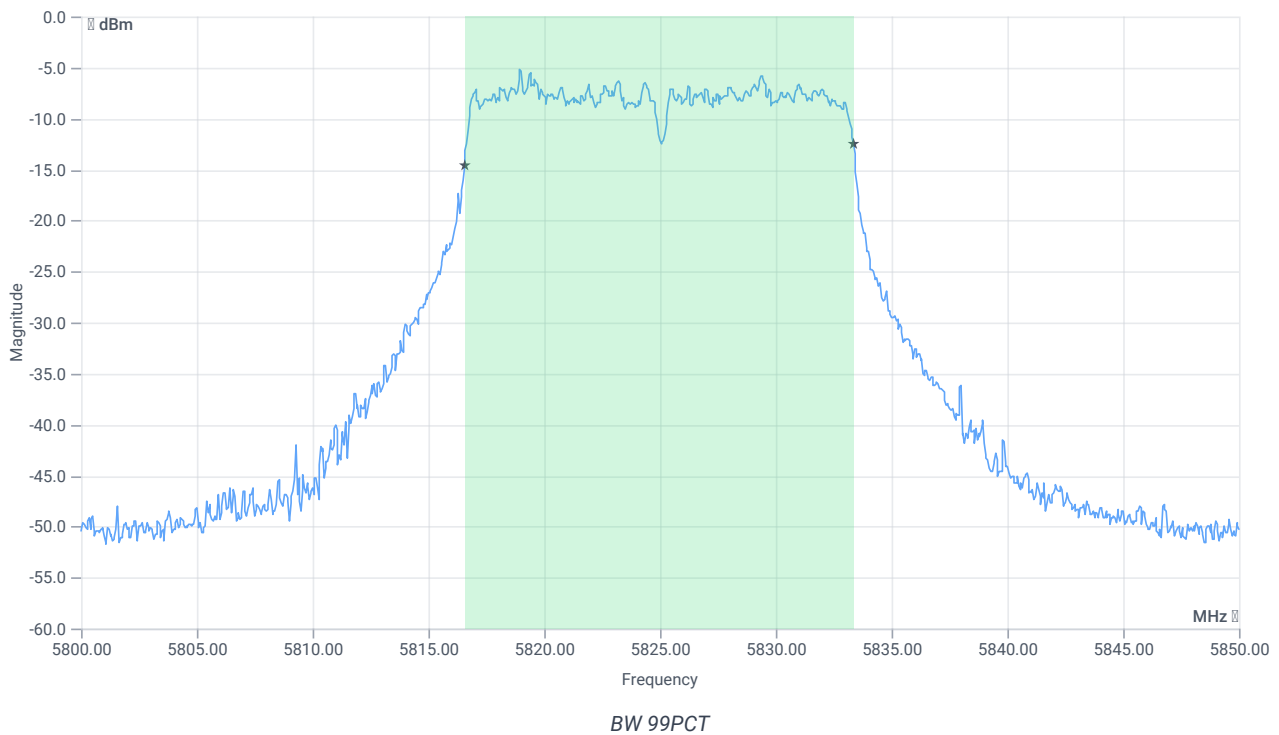
## Test at TX 5825 MHz

RESULT: Reference power cond.

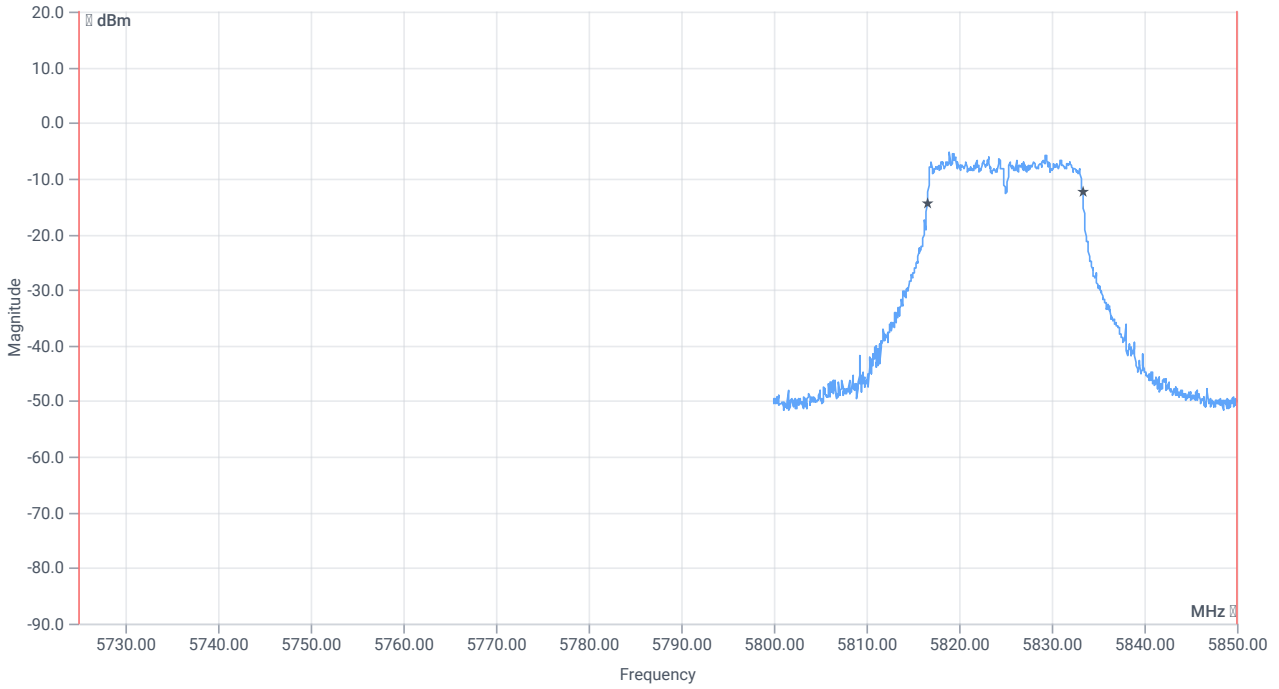
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-1.10	dBm	INFO
Ref. frequency	--	--	5819.010	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.90   10.44   15
Start [MHz]   Stop [MHz]	5800.000   5850.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



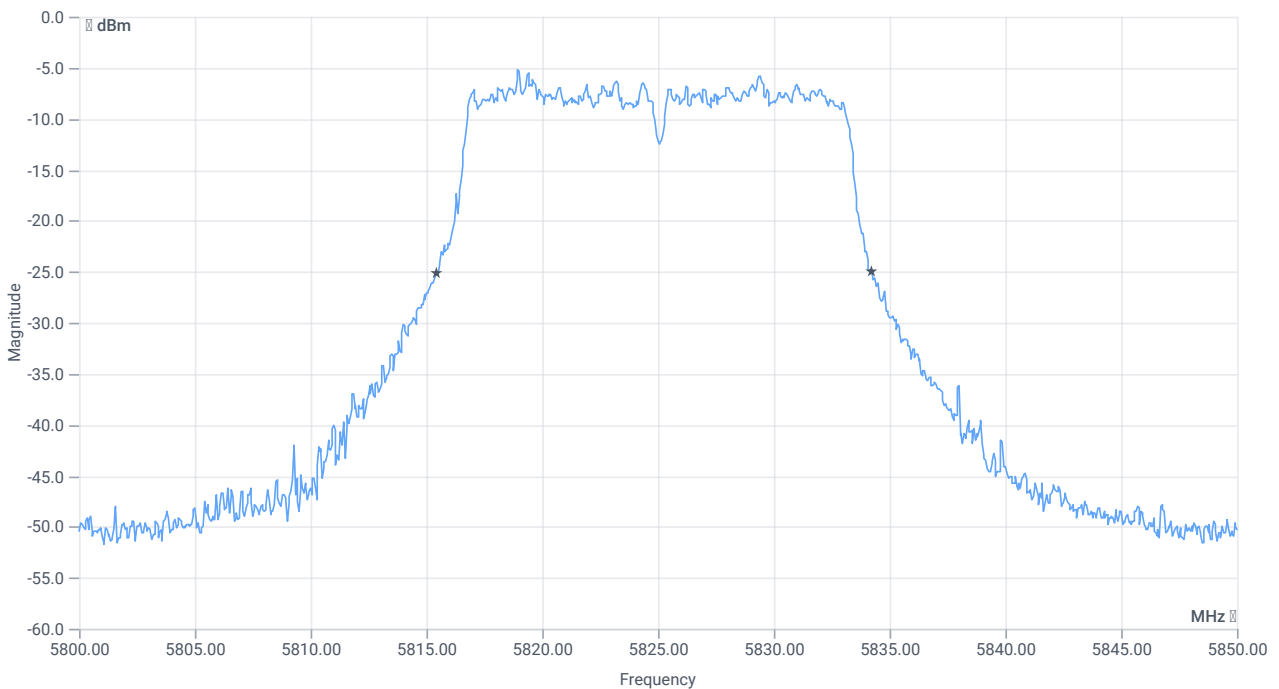




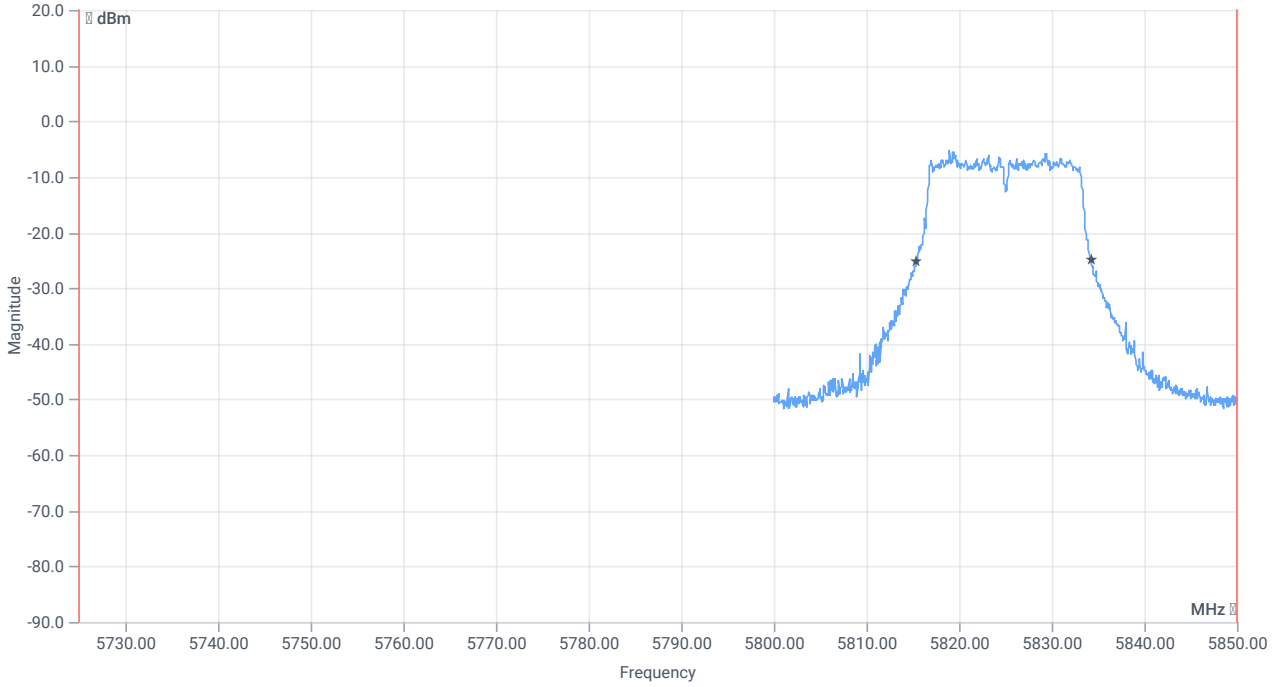
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5725.000000	--	5816.5584	MHz	PASS
T2 99%	--	5850.000000	5833.3417	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	18.8	MHz	INFO
T1 20dB	5725.000000	--	5815.4000	MHz	PASS
T2 20dB	--	5850.000000	5834.2000	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:16:14
Ambit temp [°C]   humidity [rel%]	26.9   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

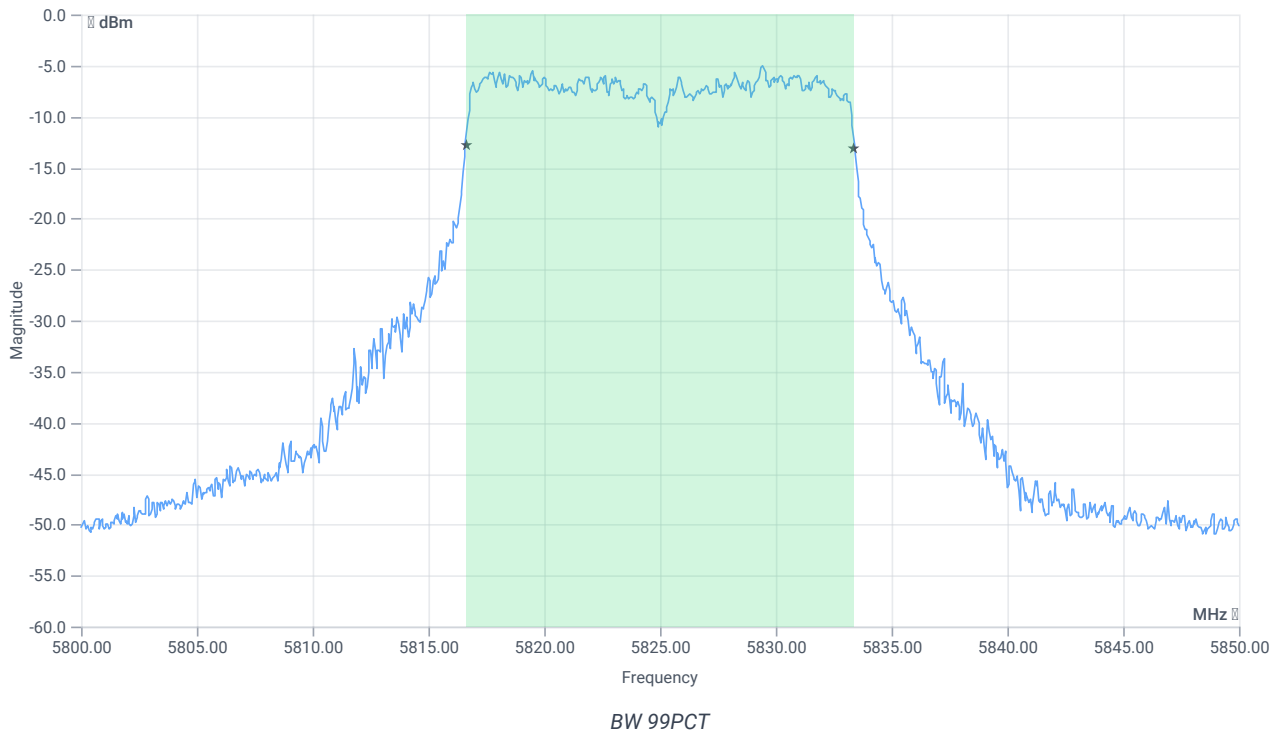
## Test at TX 5825 MHz

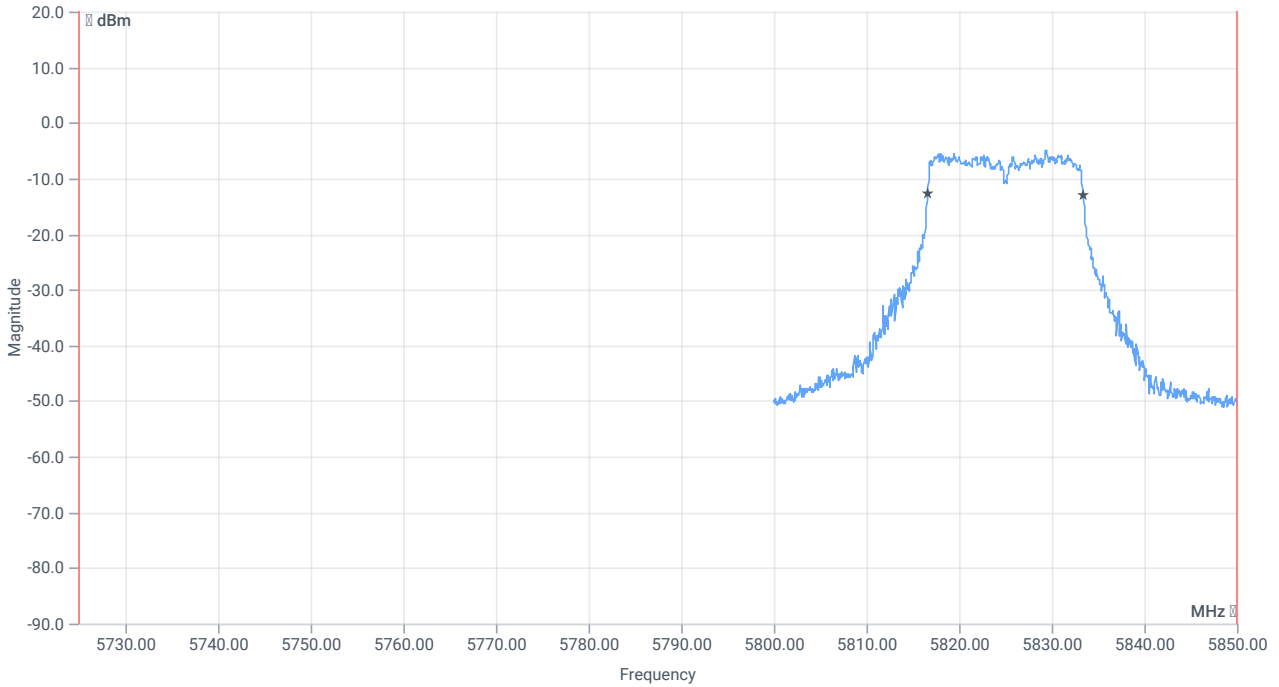
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.30	dBm	INFO
Ref. frequency	--	--	5817.810	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.30   10.45   15
Start [MHz]   Stop [MHz]	5800.000   5850.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

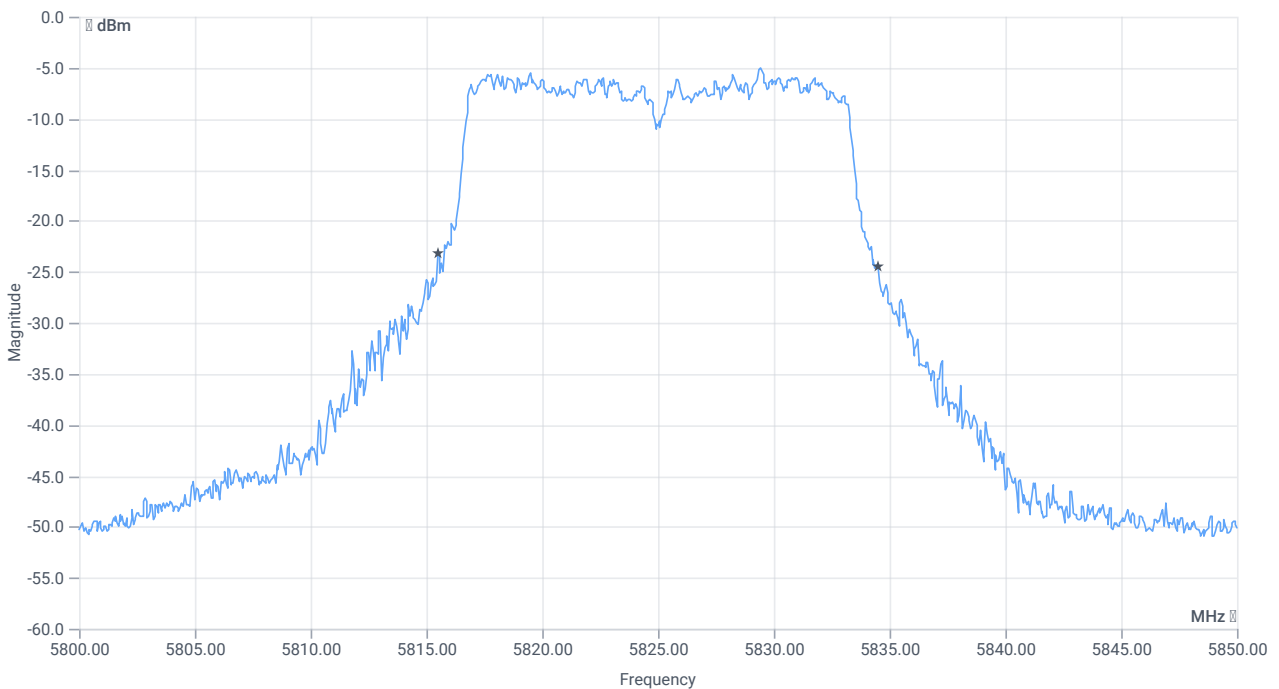




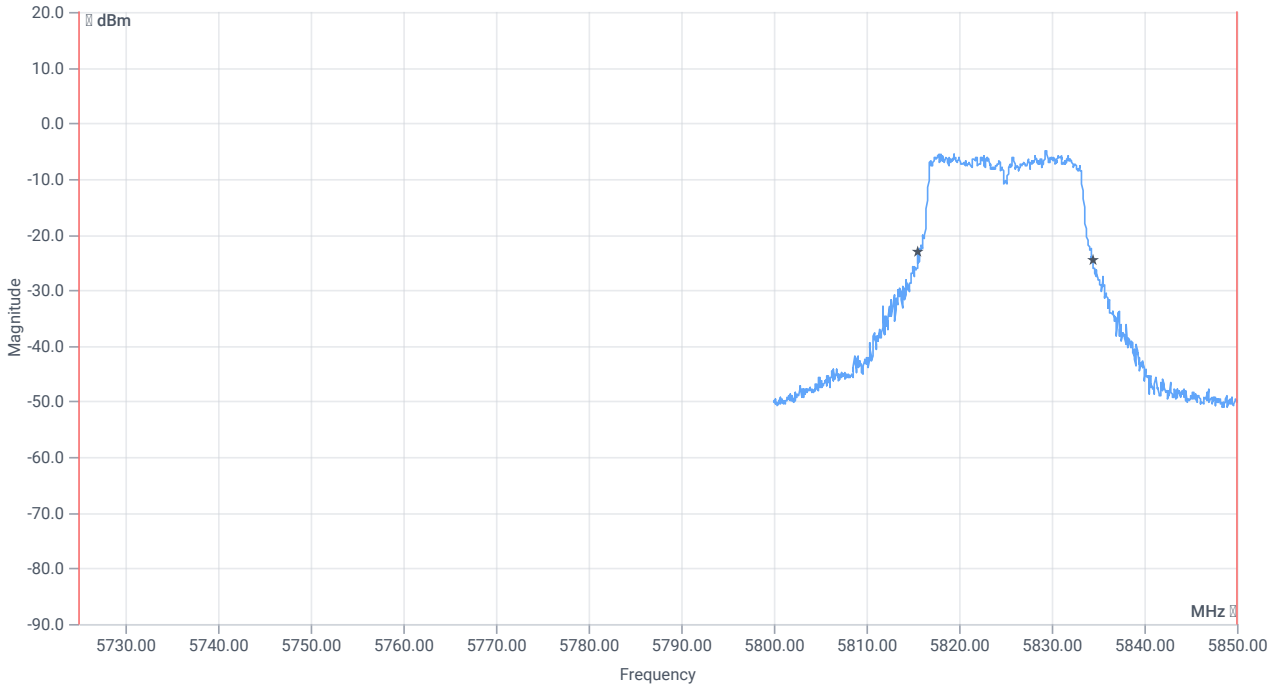
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5725.000000	--	5816.6084	MHz	PASS
T2 99%	--	5850.000000	5833.3916	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	19	MHz	INFO
T1 20dB	5725.000000	--	5815.5000	MHz	PASS
T2 20dB	--	5850.000000	5834.5000	MHz	PASS

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

### References

TC start	26.01.2024 17:07:01
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

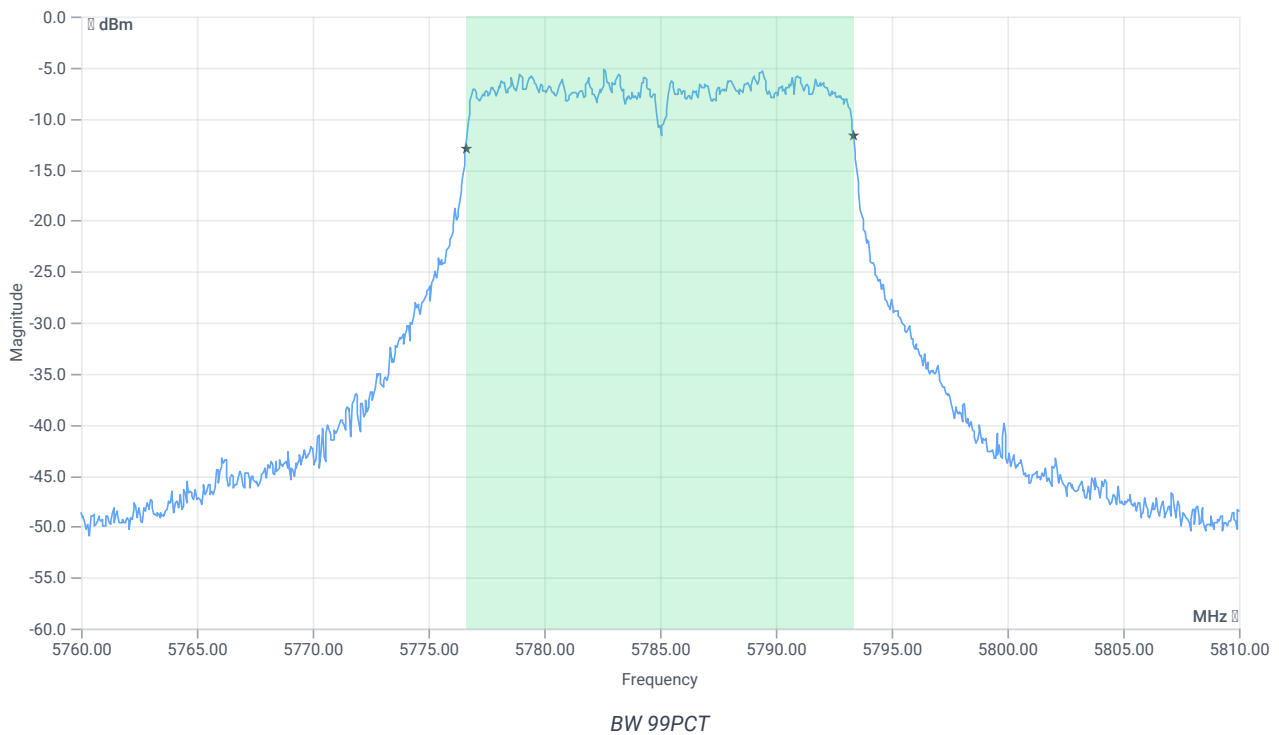
## Test at TX 5785 MHz

RESULT: Reference power cond.

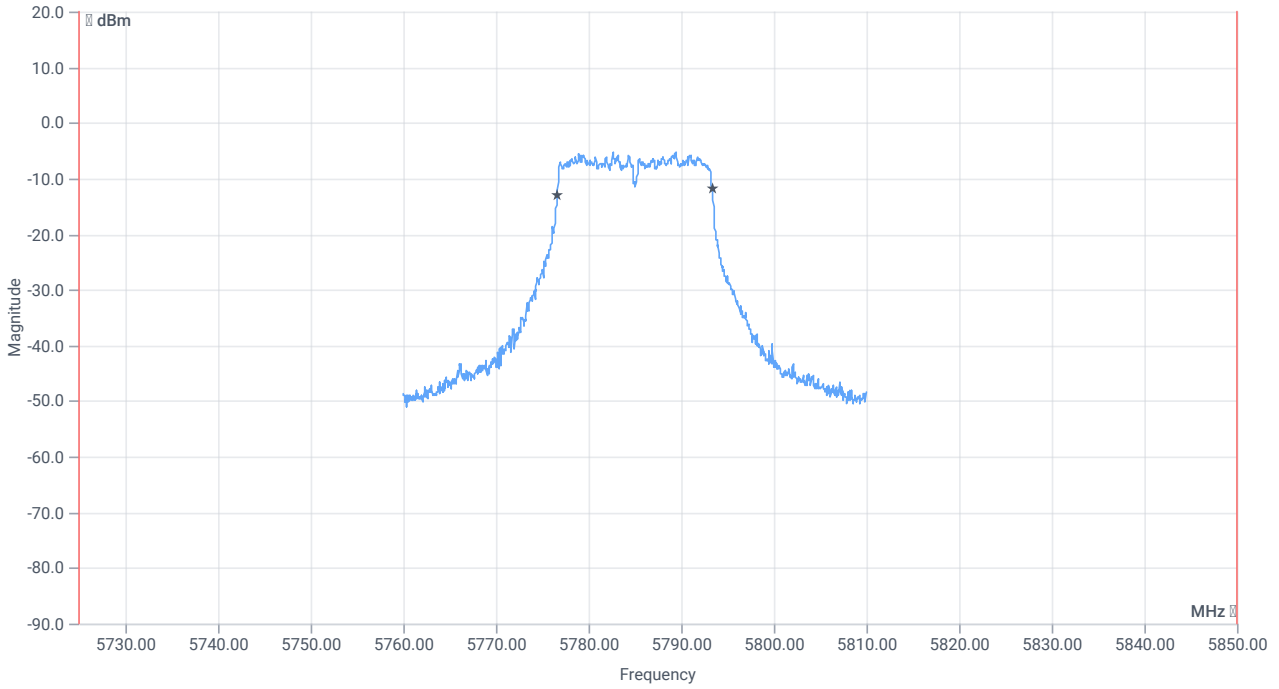
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.34	dBm	INFO
Ref. frequency	--	--	5781.600	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.66   10.41   15
Start [MHz]   Stop [MHz]	5760.000   5810.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



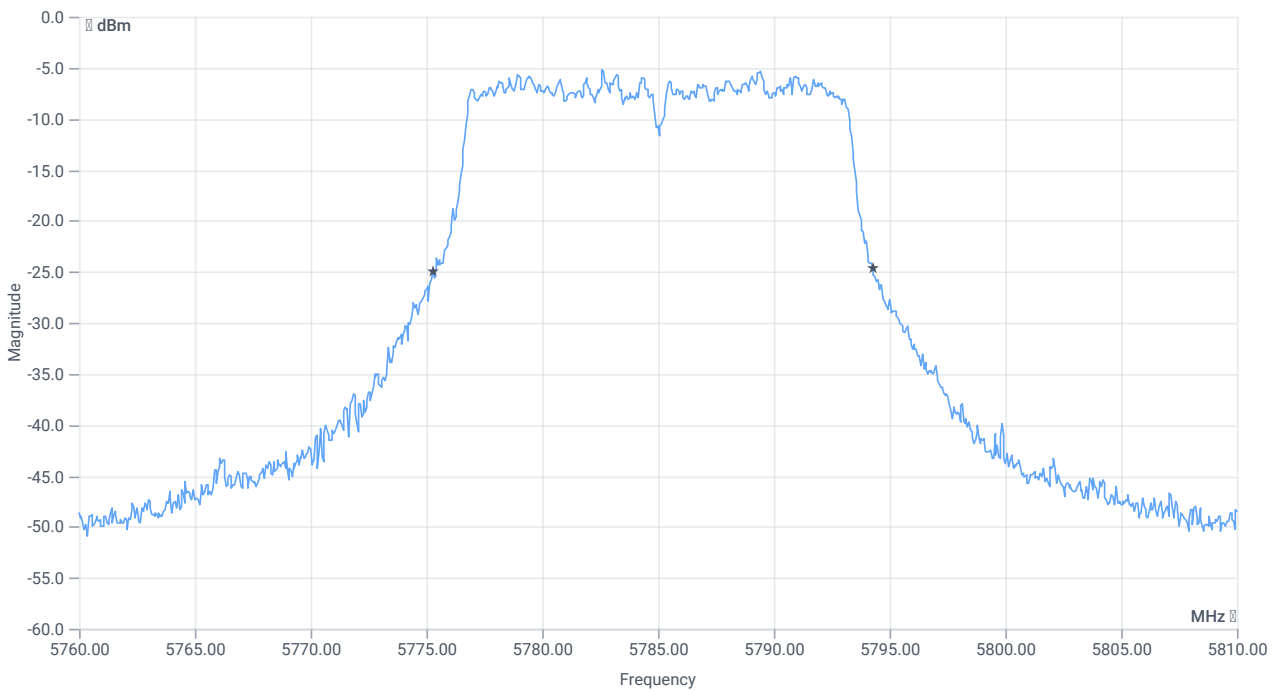




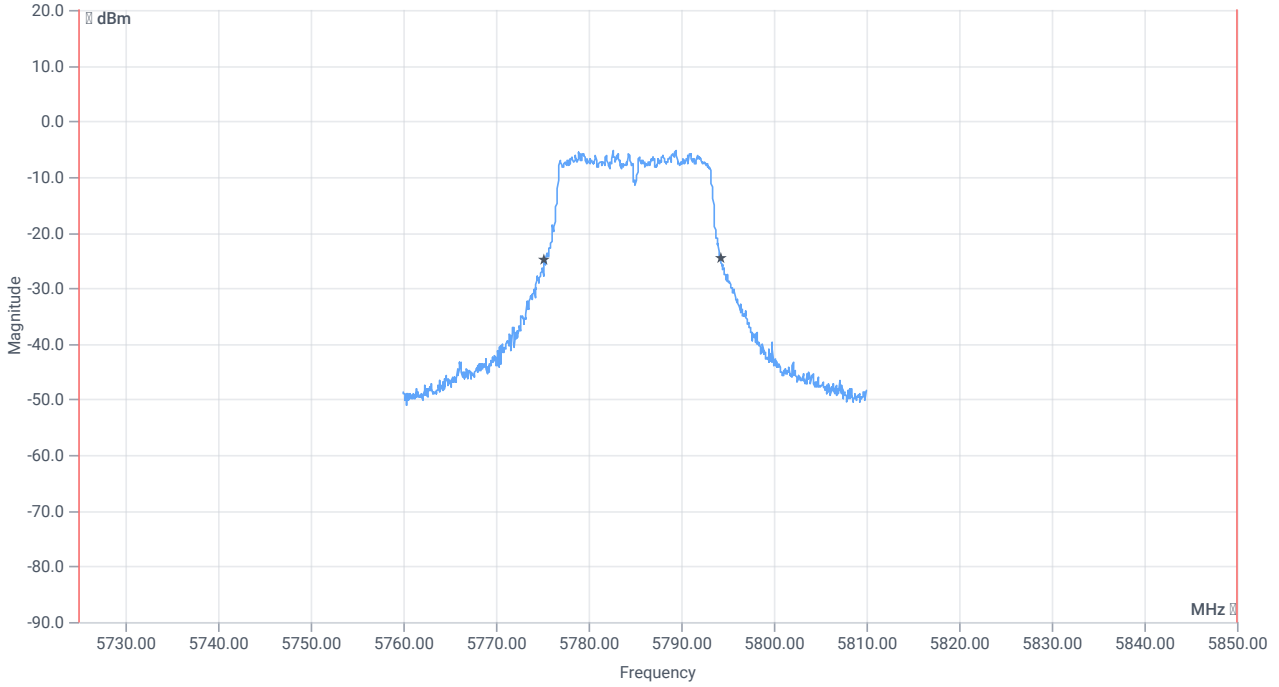
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5725.000000	--	5776.6084	MHz	PASS
T2 99%	--	5850.000000	5793.3417	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	19	MHz	INFO
T1 20dB	5725.000000	--	5775.2500	MHz	PASS
T2 20dB	--	5850.000000	5794.2500	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 16:59:38
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

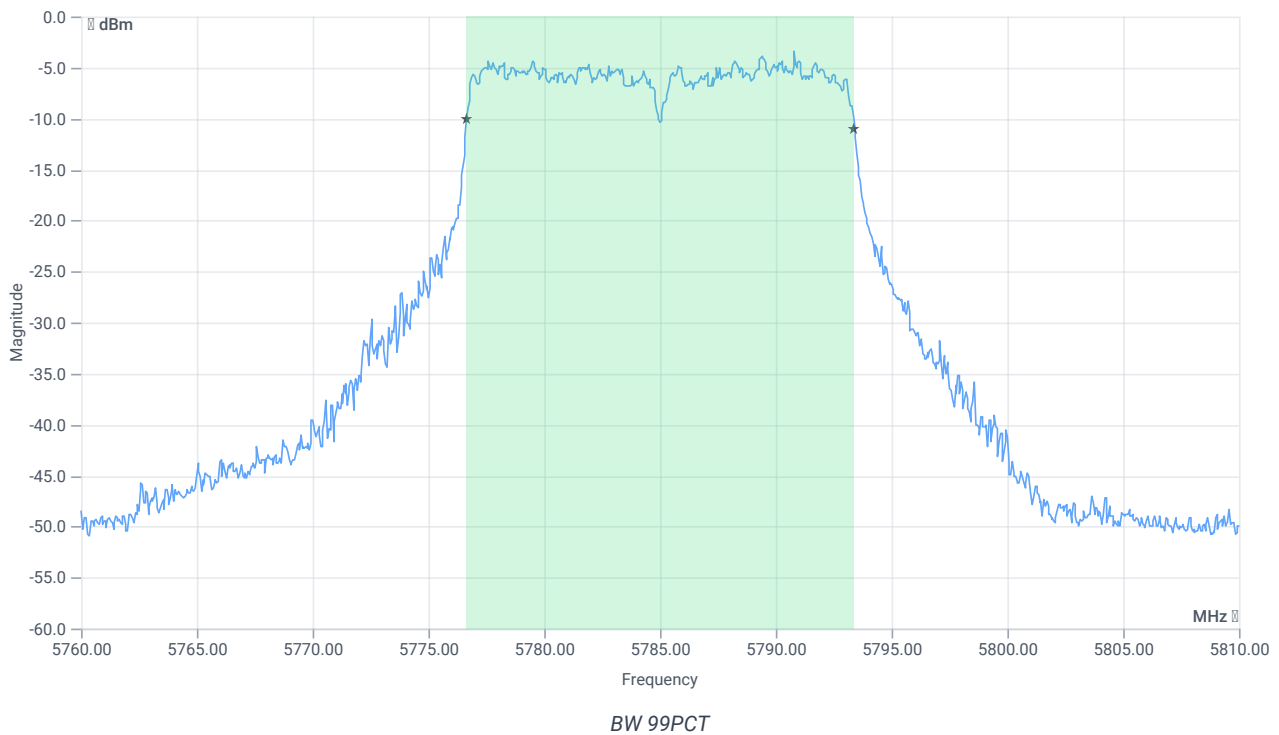
## Test at TX 5785 MHz

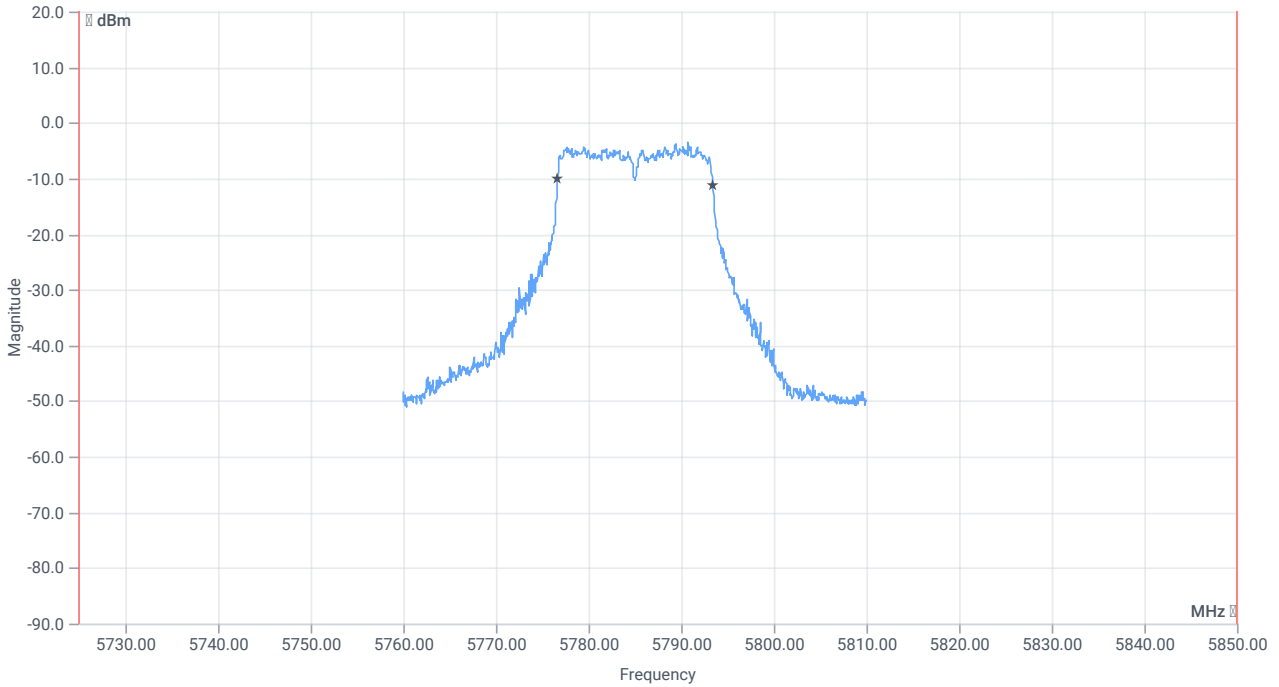
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.74	dBm	INFO
Ref. frequency	--	--	5780.000	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.74   10.38   15
Start [MHz]   Stop [MHz]	5760.000   5810.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

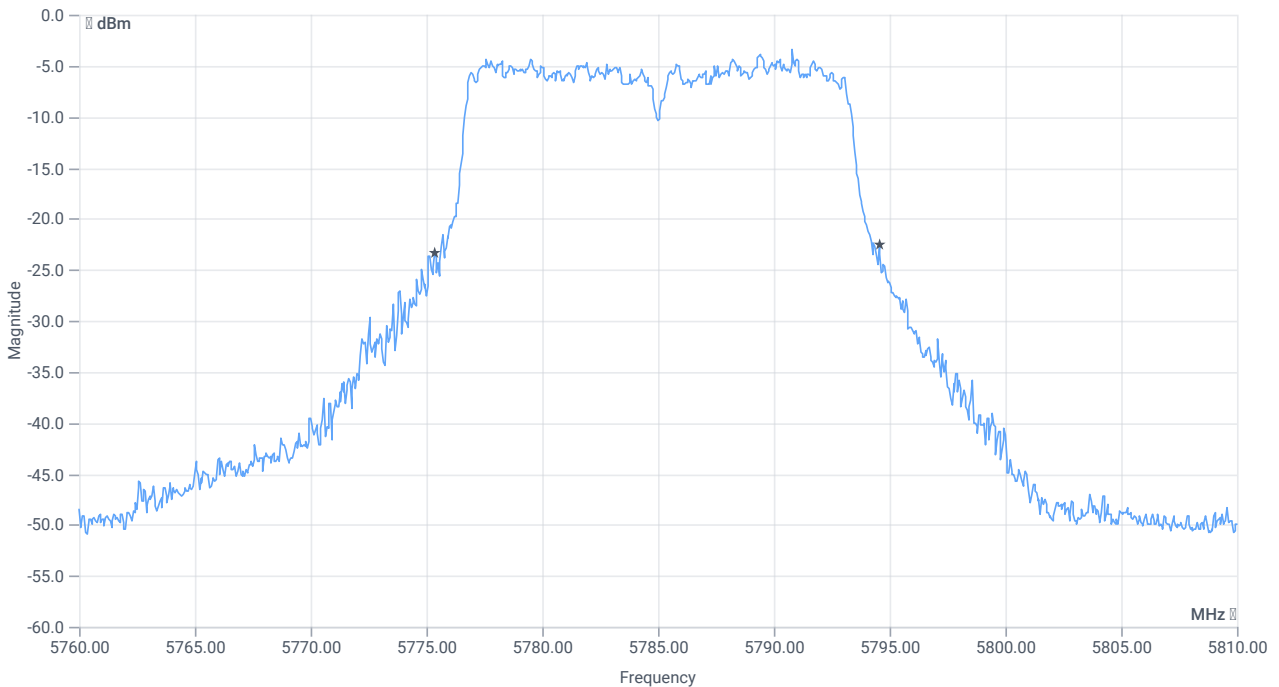




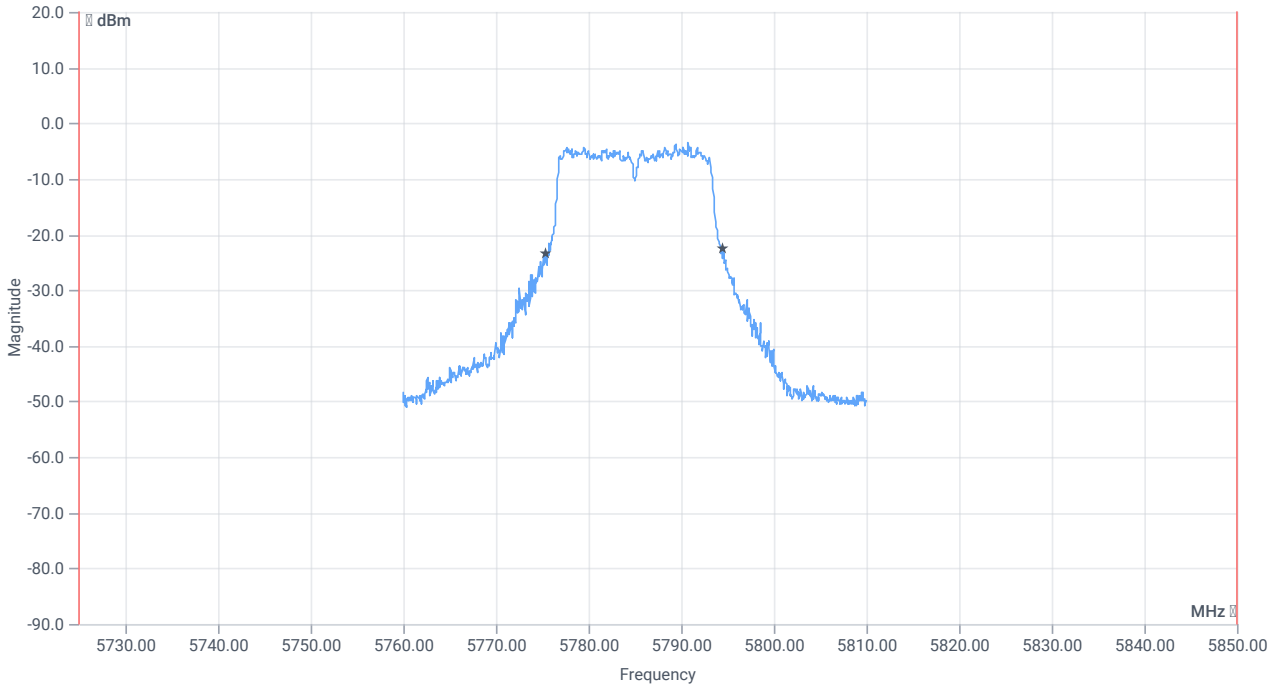
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5725.000000	--	5776.6583	MHz	PASS
T2 99%	--	5850.000000	5793.3916	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	19.2	MHz	INFO
T1 20dB	5725.000000	--	5775.3500	MHz	PASS
T2 20dB	--	5850.000000	5794.5500	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 16:50:54
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

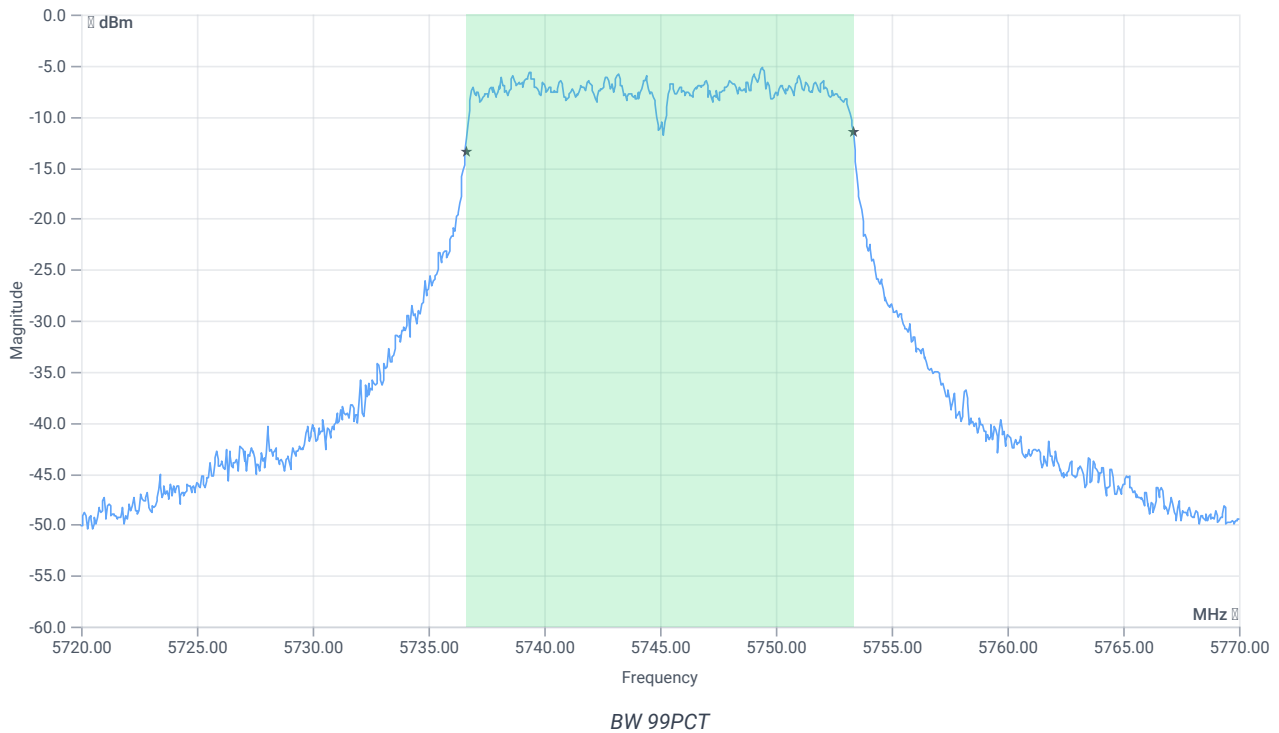
## Test at TX 5745 MHz

RESULT: Reference power cond.

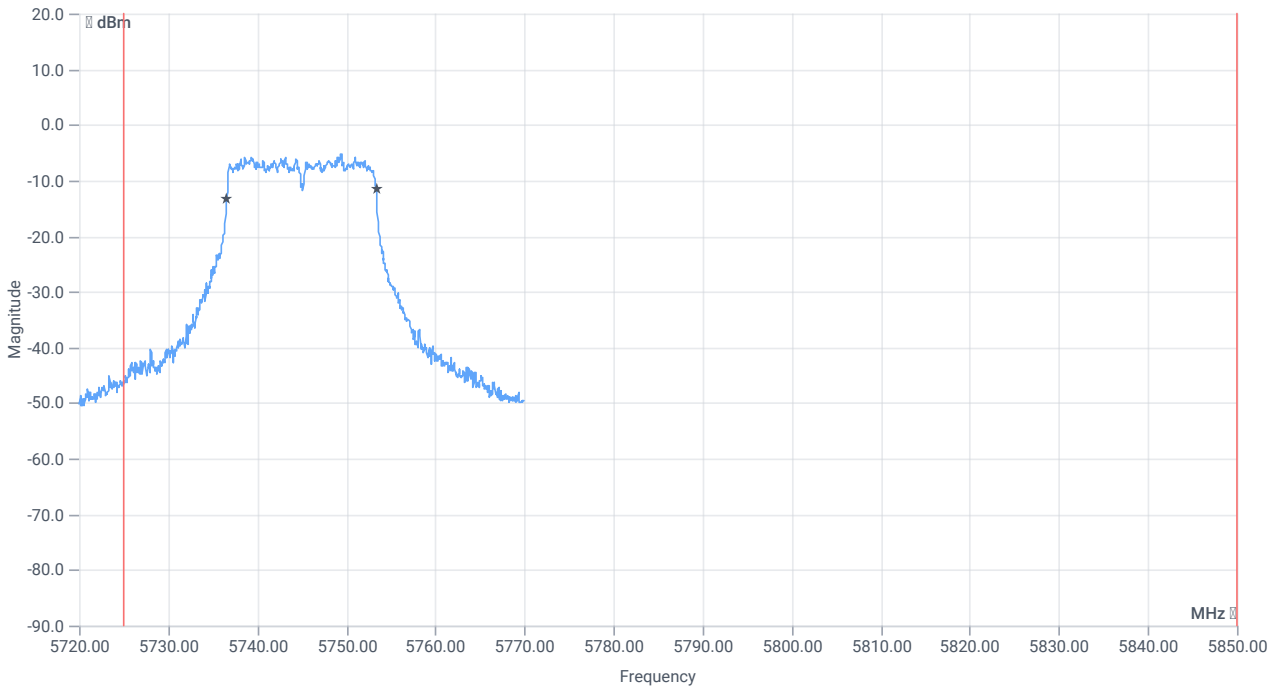
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.27	dBm	INFO
Ref. frequency	--	--	5739.610	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.73   10.38   15
Start [MHz]   Stop [MHz]	5720.000   5770.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



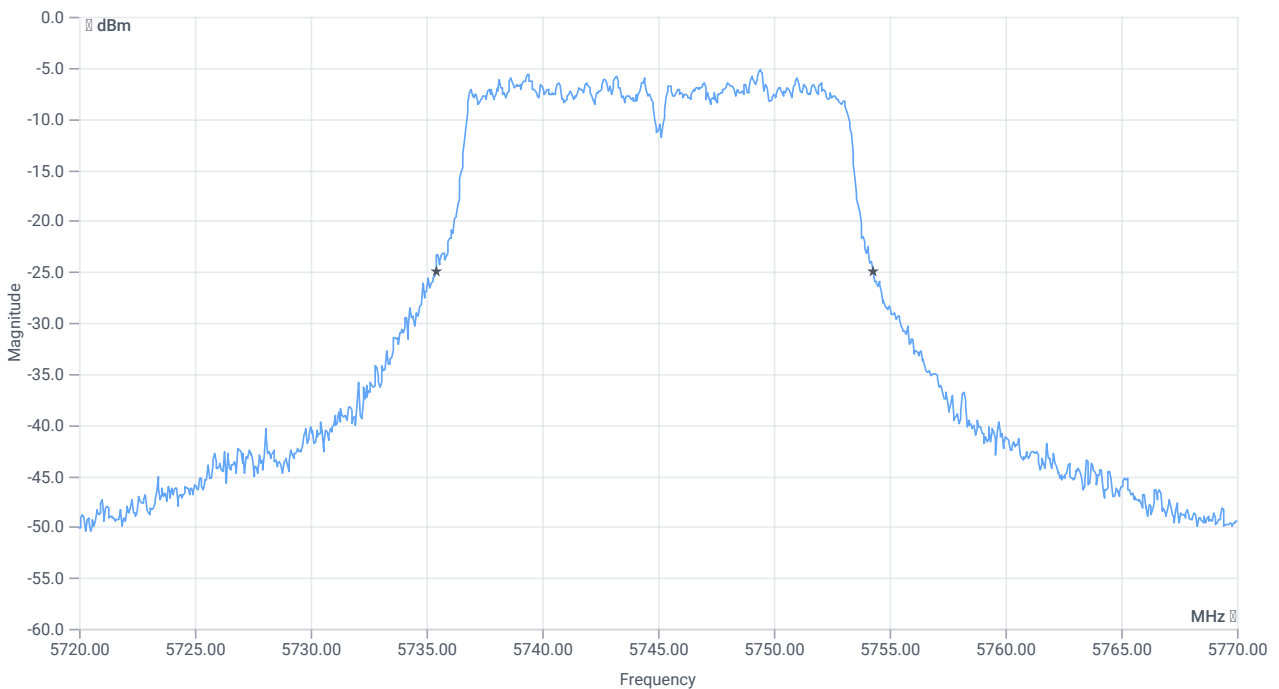




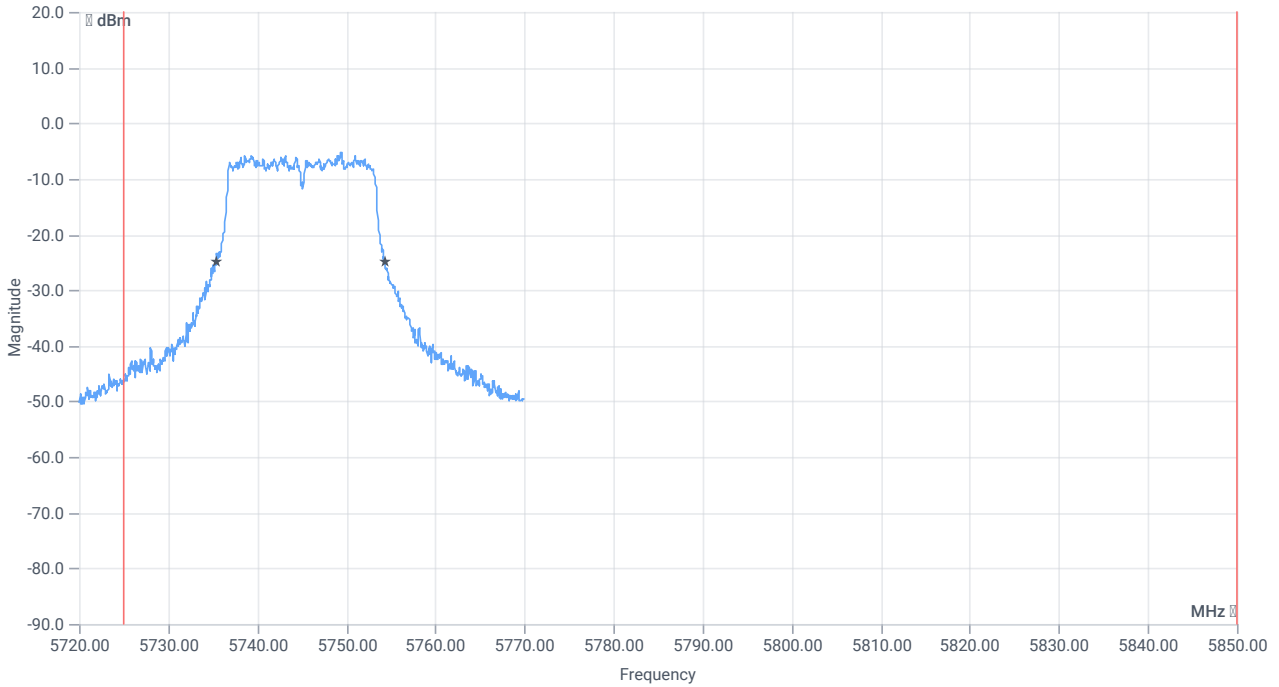
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5725.000000	--	5736.6084	MHz	PASS
T2 99%	--	5850.000000	5753.3417	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18.9	MHz	INFO
T1 20dB	5725.000000	---	5735.4000	MHz	PASS
T2 20dB	---	5850.000000	5754.3000	MHz	PASS

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-3

### References

TC start	26.01.2024 16:43:36
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

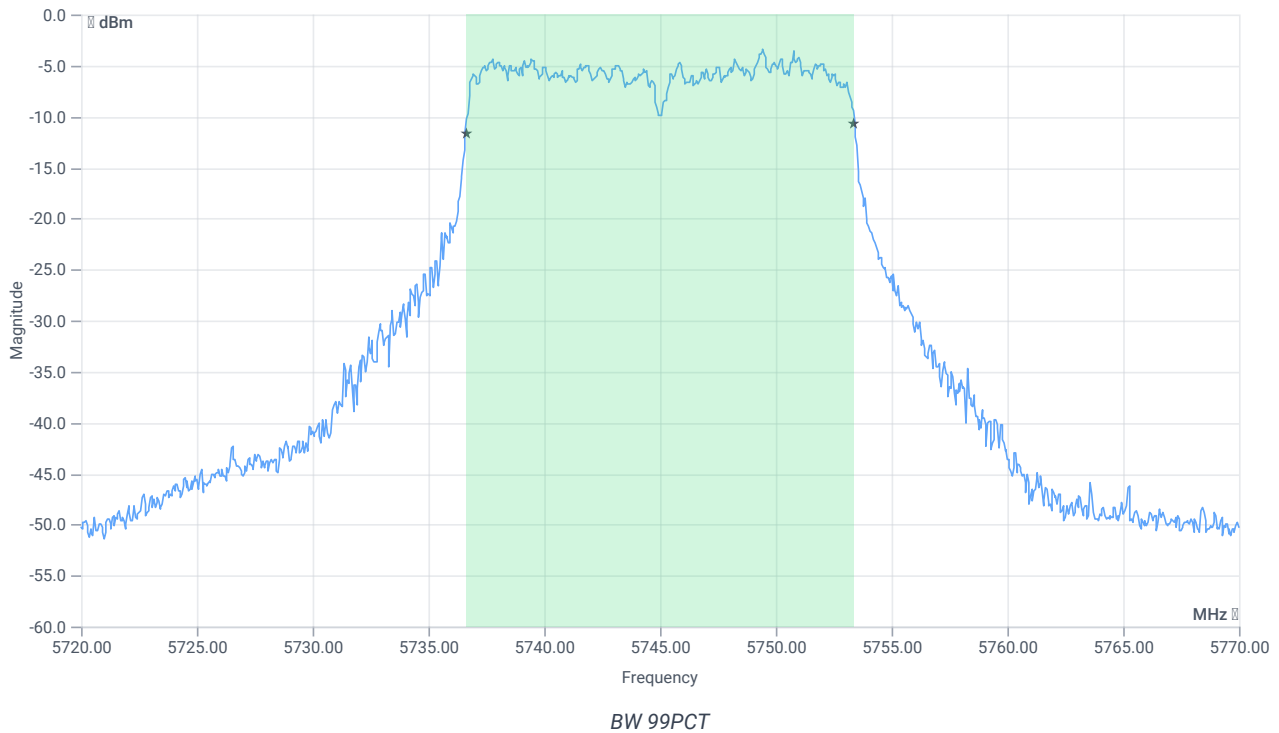
## Test at TX 5745 MHz

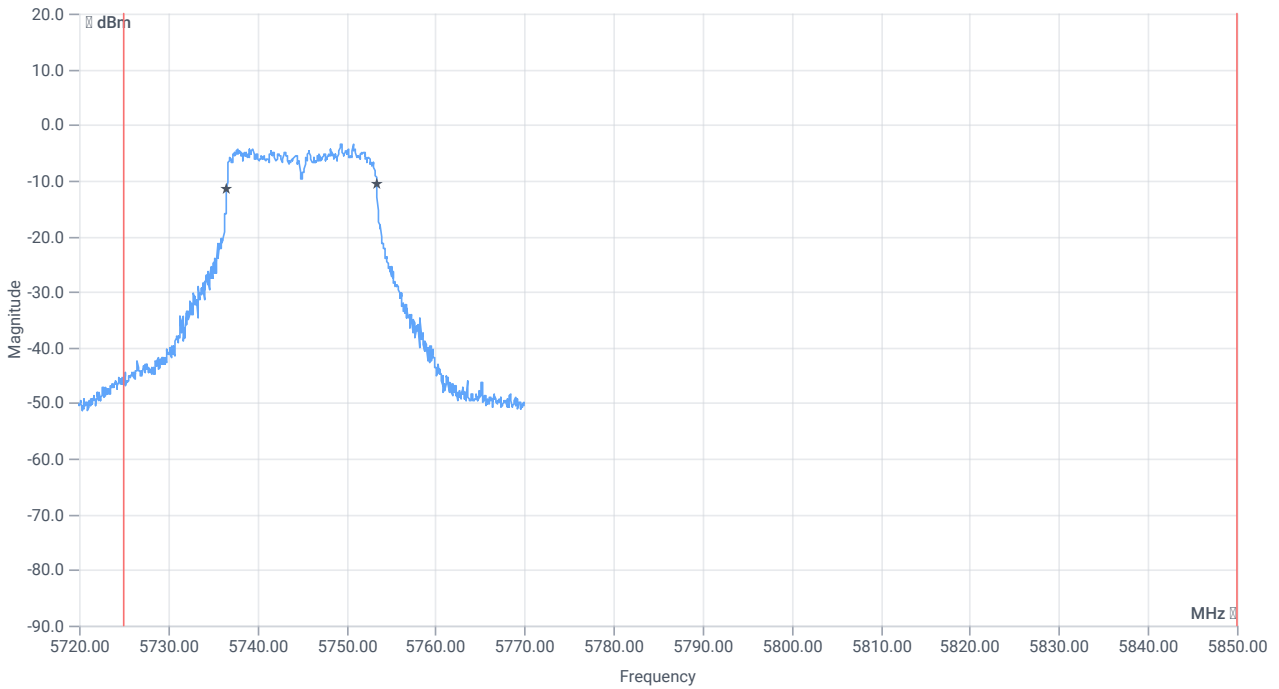
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.26	dBm	INFO
Ref. frequency	--	--	5742.600	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.26   10.36   15
Start [MHz]   Stop [MHz]	5720.000   5770.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

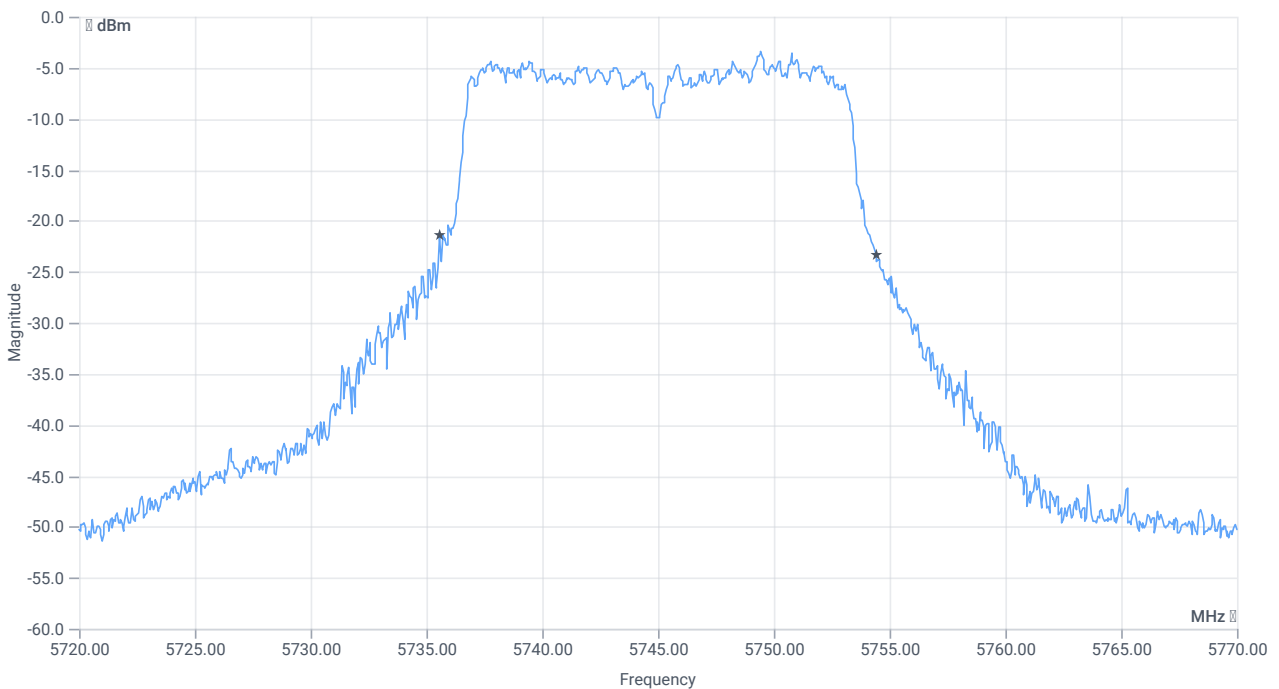




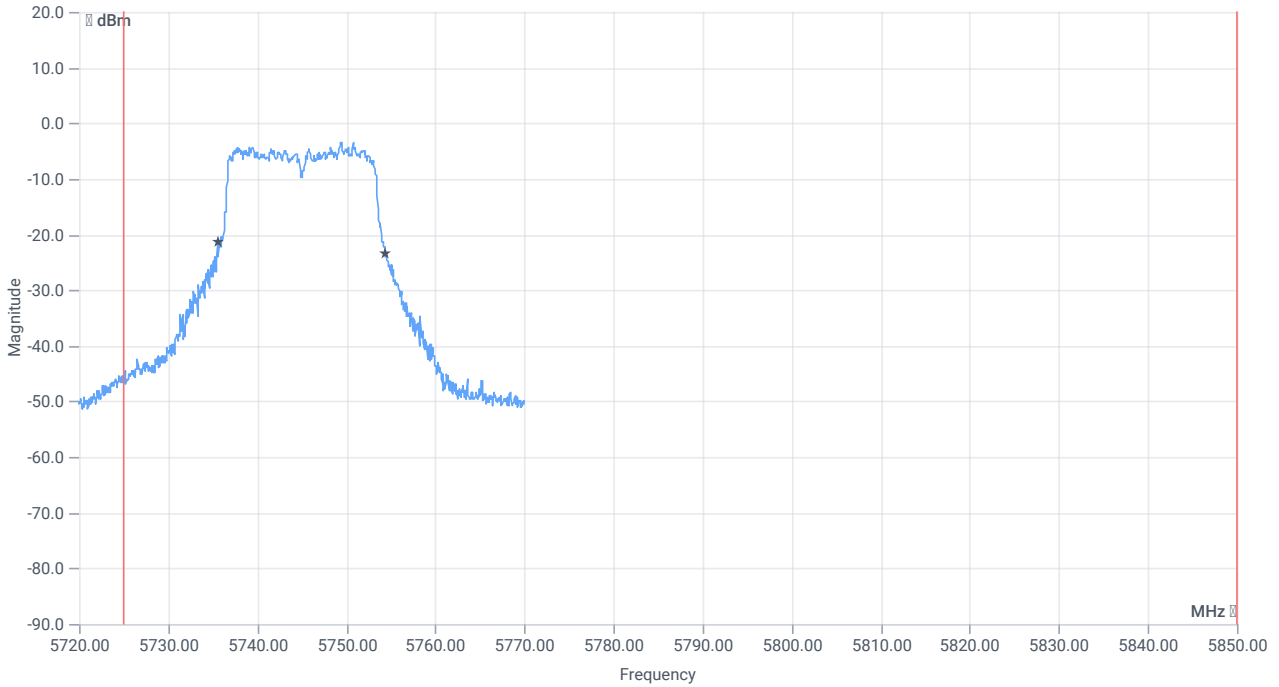
BW within band 99PCT

**RESULT**

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5725.000000	--	5736.6084	MHz	PASS
T2 99%	--	5850.000000	5753.3916	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18.85	MHz	INFO
T1 20dB	5725.000000	---	5735.5500	MHz	PASS
T2 20dB	---	5850.000000	5754.4000	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

## References

TC start	26.01.2024 16:36:15
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	True   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

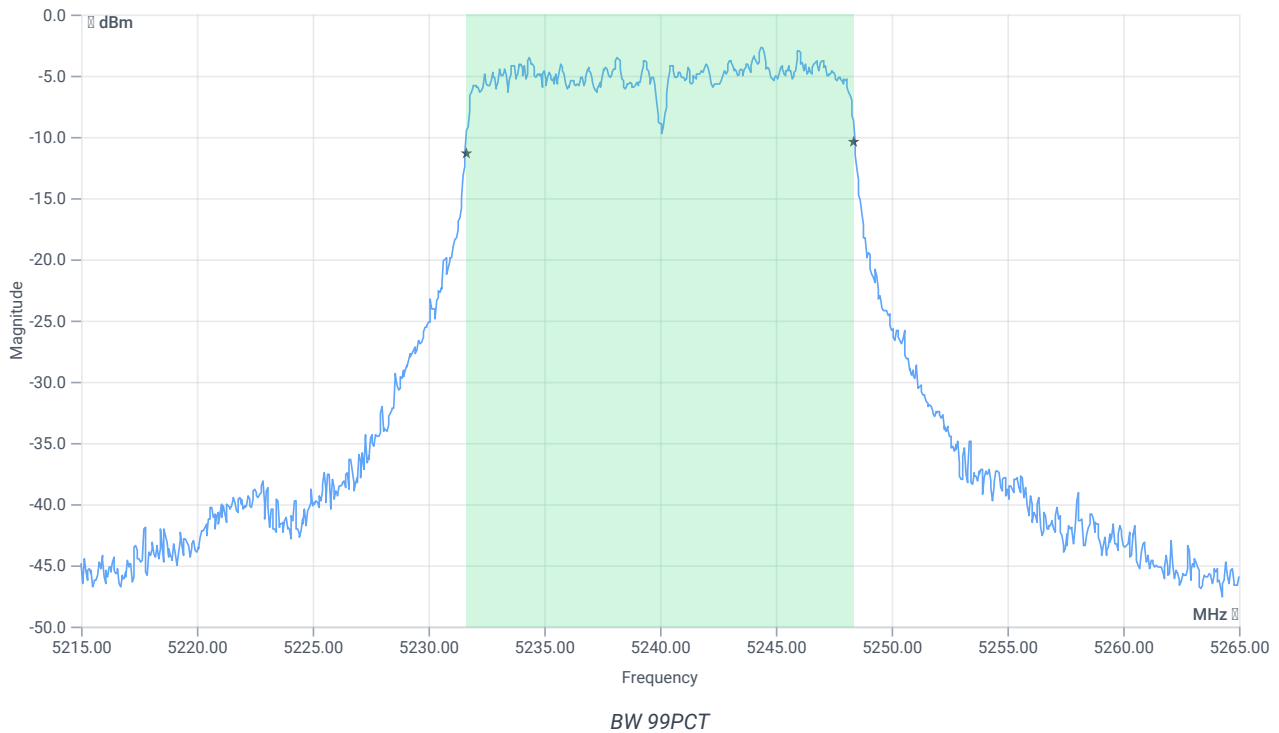
## Test at TX 5240 MHz

RESULT: Reference power cond.

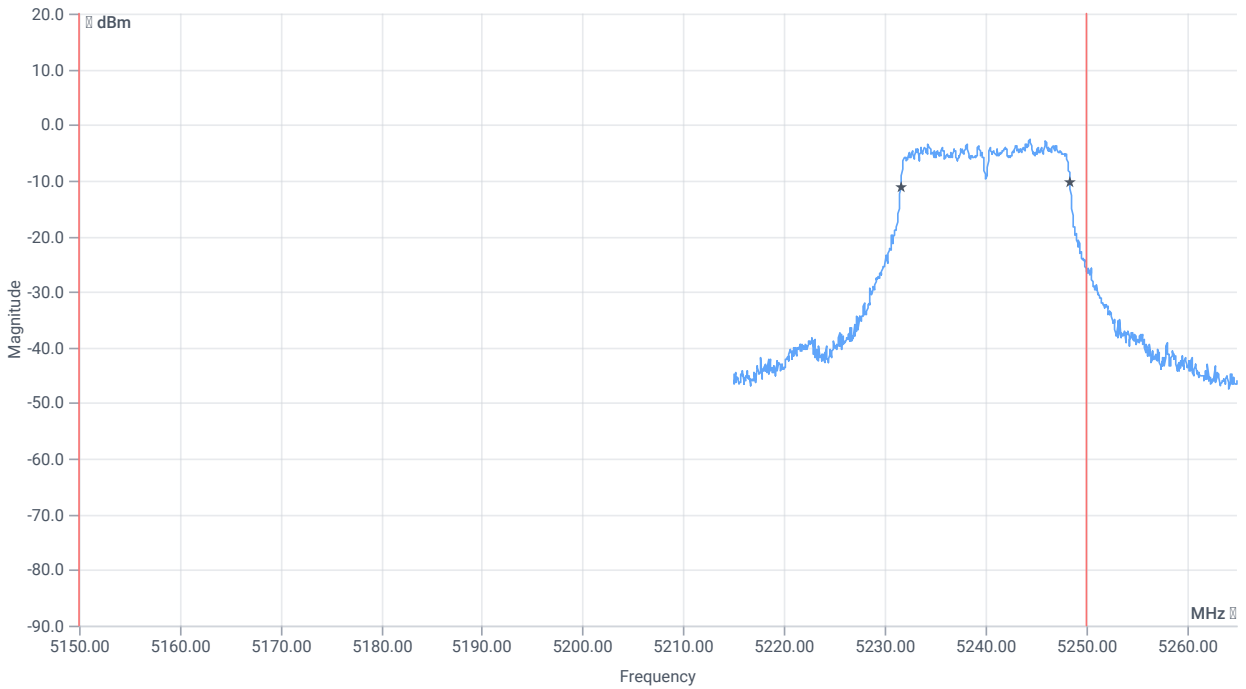
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.63	dBm	INFO
Ref. frequency	--	--	5243.400	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.63   9.93   20
Start [MHz]   Stop [MHz]	5215.000   5265.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



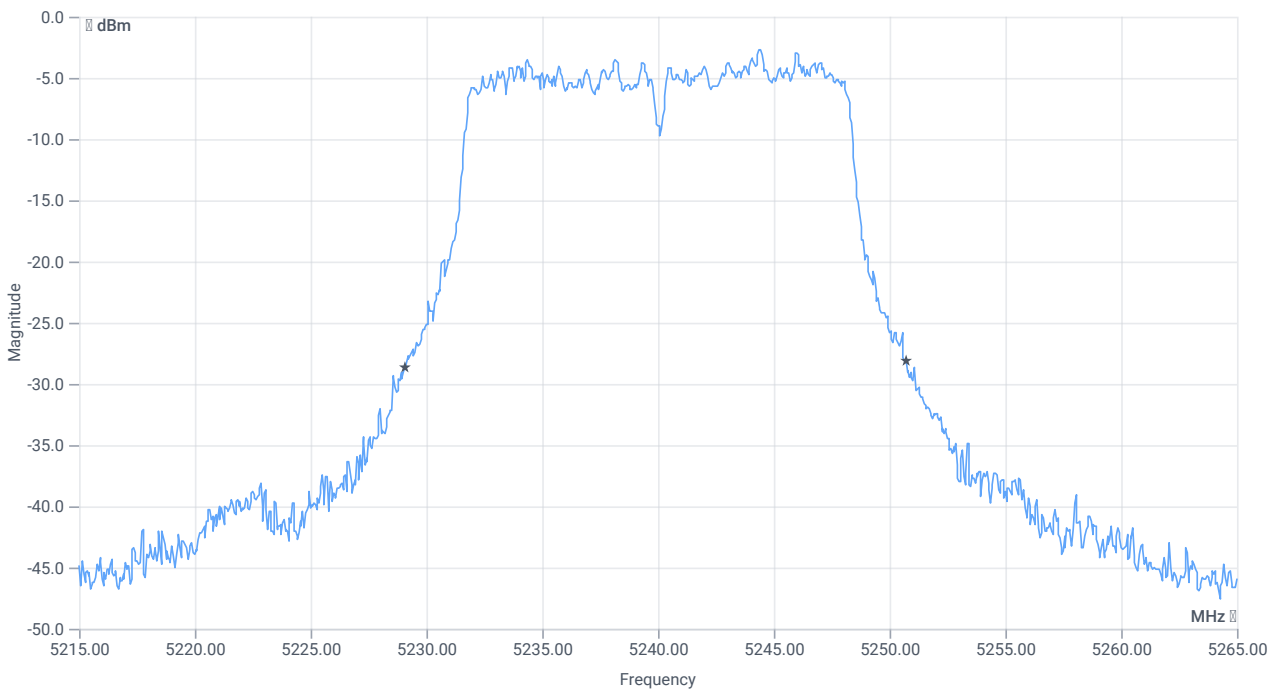




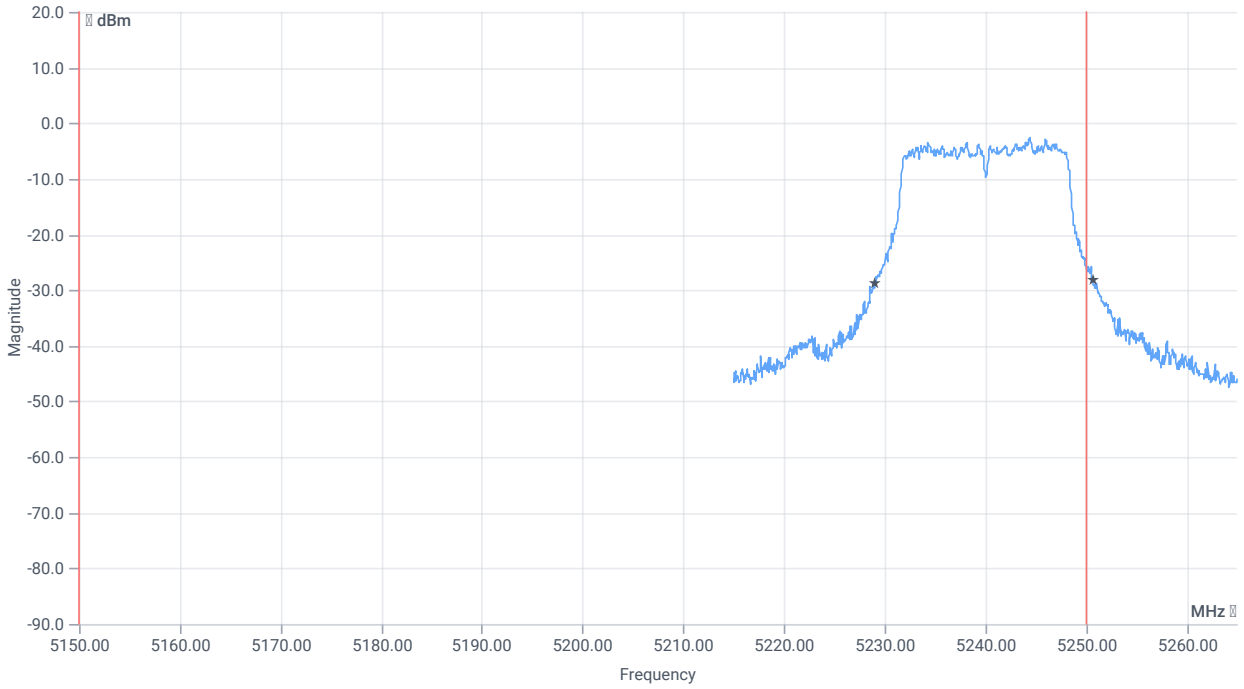
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5150.000000	--	5231.6084	MHz	PASS
T2 99%	--	5250.000000	5248.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.65	MHz	INFO
T1 26dB	5150.000000	---	5229.0500	MHz	PASS
T2 26dB	---	5250.000000	5250.7000	MHz	DFS required

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

## References

TC start	26.01.2024 16:32:18
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	True   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

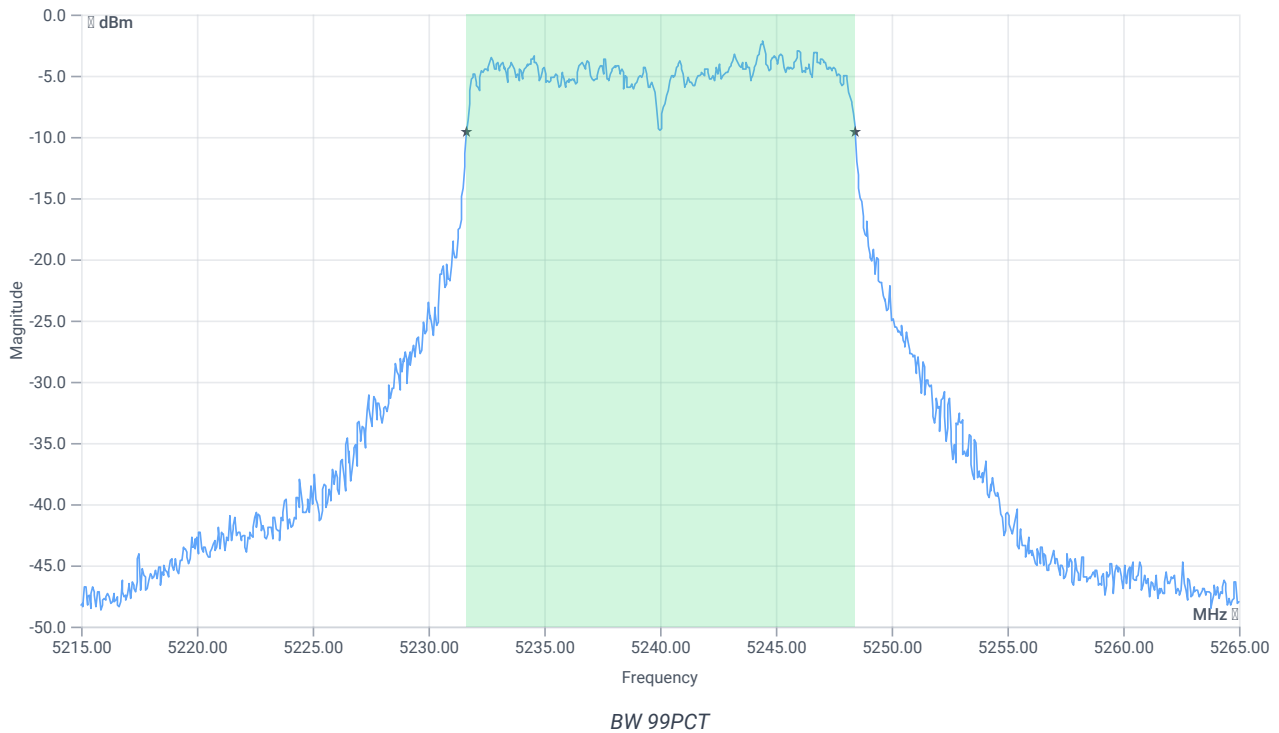
## Test at TX 5240 MHz

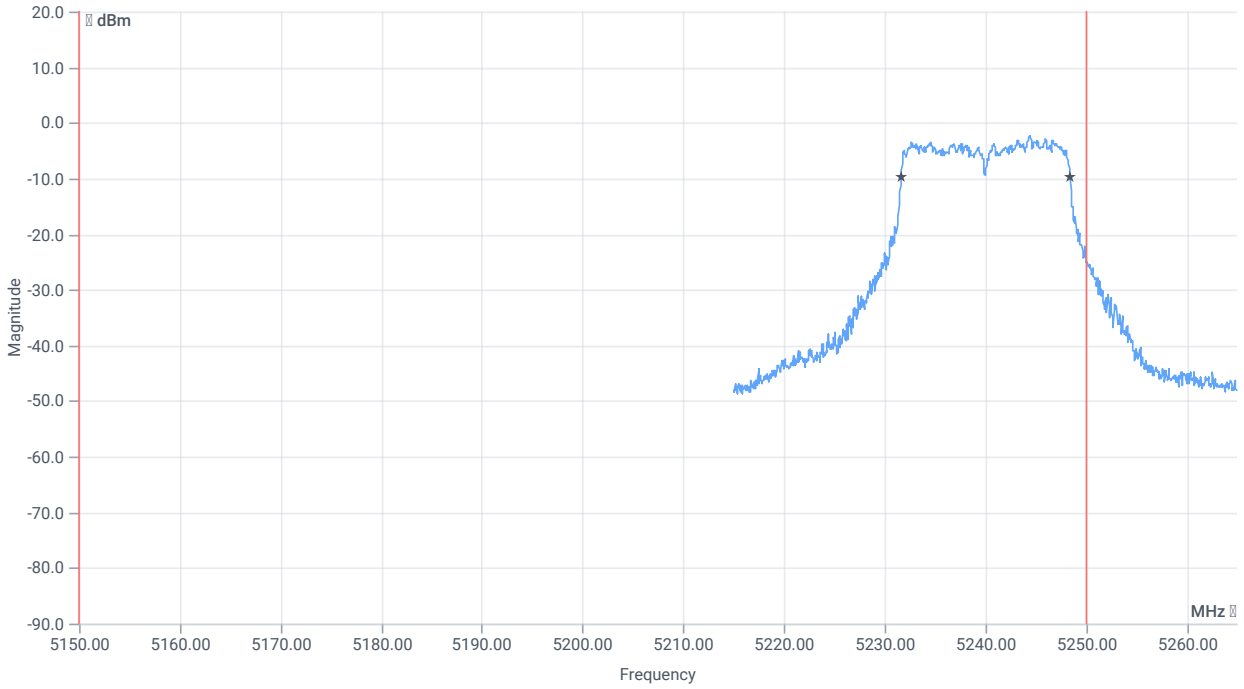
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.50	dBm	INFO
Ref. frequency	--	--	5234.410	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.50   9.92   20
Start [MHz]   Stop [MHz]	5215.000   5265.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

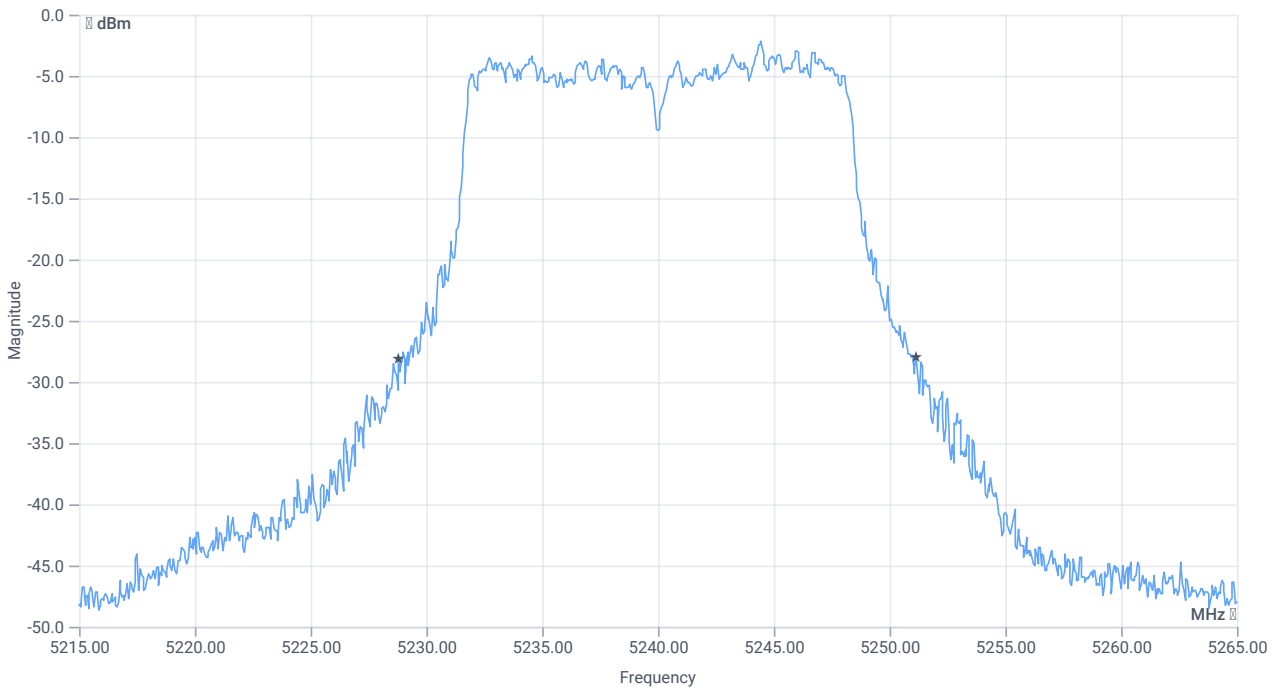




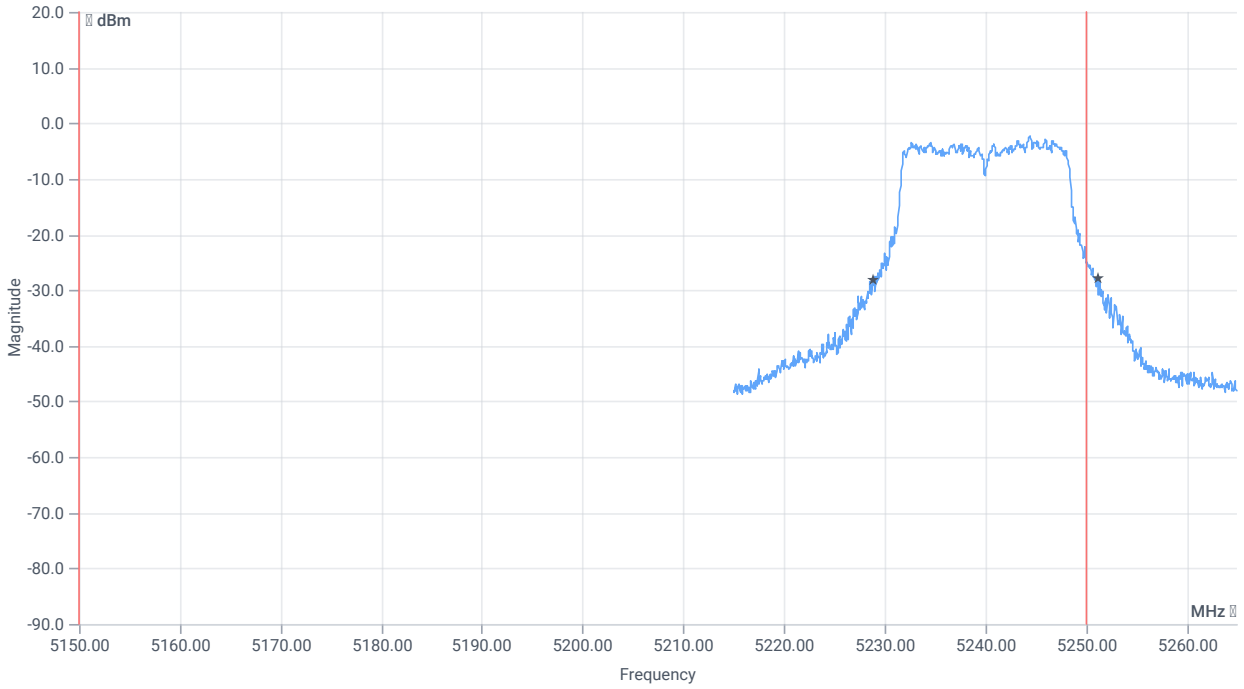
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5150.000000	--	5231.6583	MHz	PASS
T2 99%	--	5250.000000	5248.4416	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.35	MHz	INFO
T1 26dB	5150.000000	---	5228.8000	MHz	PASS
T2 26dB	---	5250.000000	5251.1500	MHz	DFS required

Verdict

PASS

## FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

### References

TC start	26.01.2024 16:26:51
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-1
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	True   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

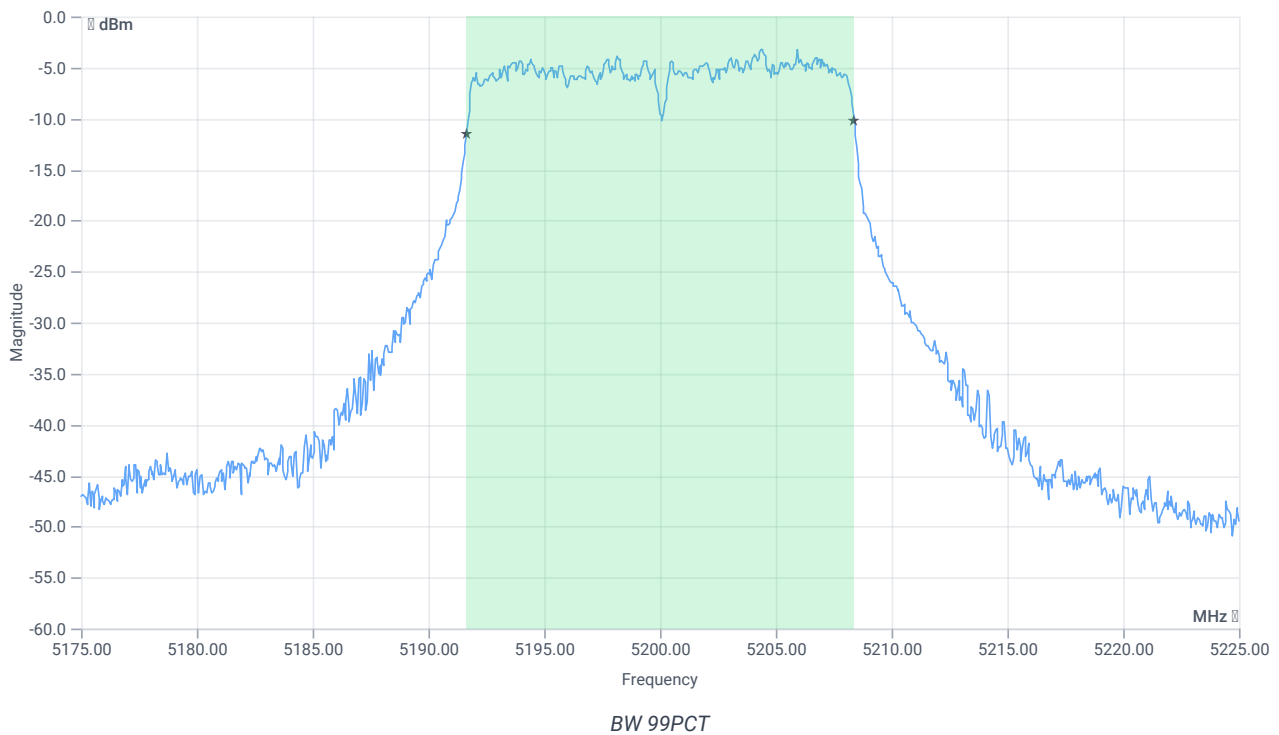
## Test at TX 5200 MHz

RESULT: Reference power cond.

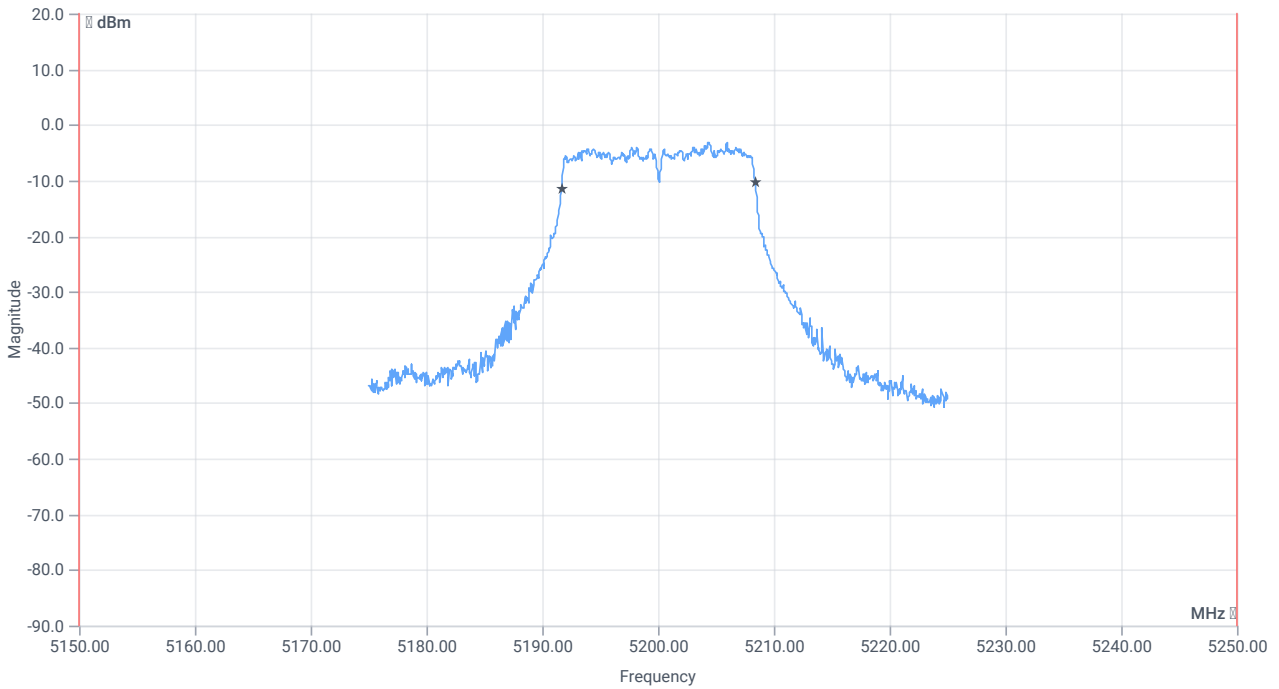
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.20	dBm	INFO
Ref. frequency	--	--	5196.800	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.20   10.08   15
Start [MHz]   Stop [MHz]	5175.000   5225.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



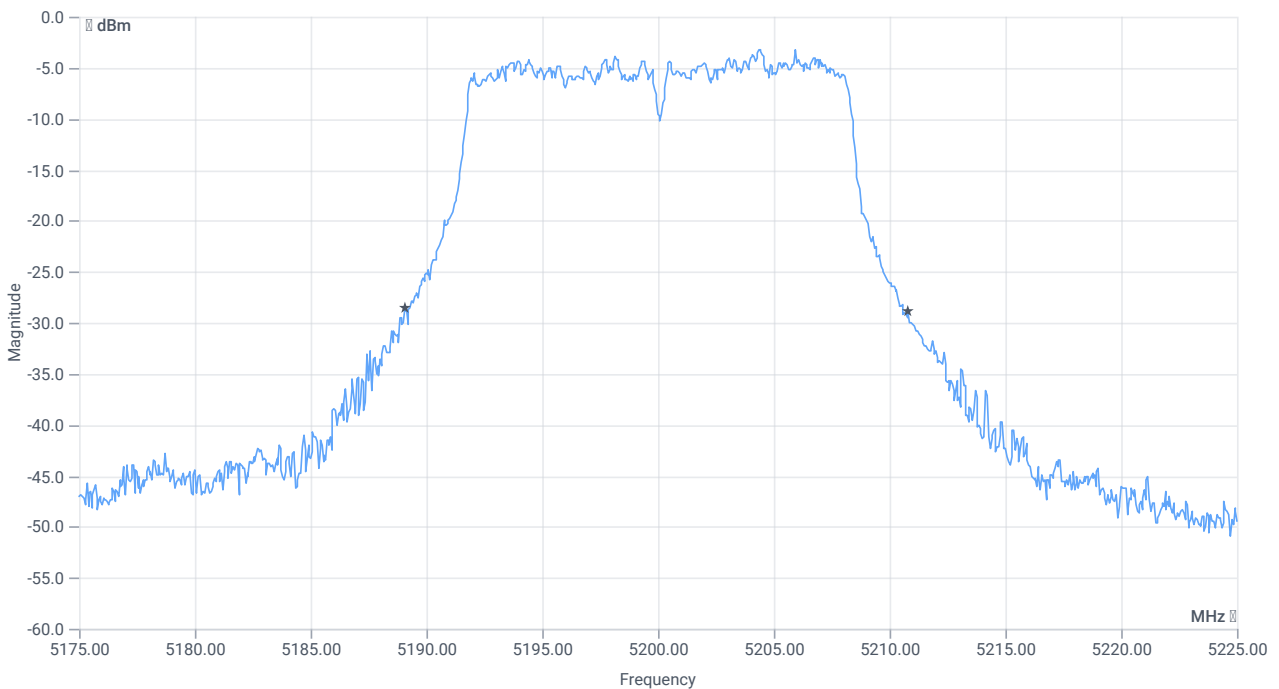




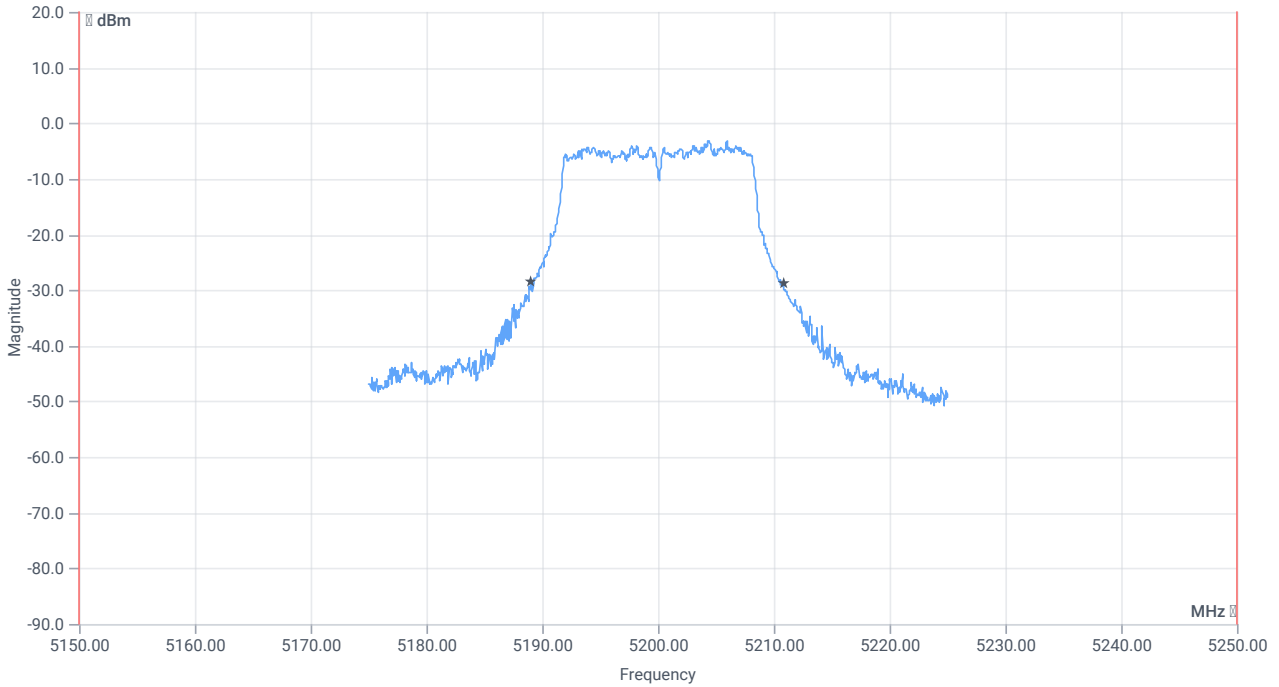
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.733	MHz	INFO
T1 99%	5150.000000	--	5191.6583	MHz	PASS
T2 99%	--	5250.000000	5208.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.75	MHz	INFO
T1 26dB	5150.000000	---	5189.0500	MHz	PASS
T2 26dB	---	5250.000000	5210.8000	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

## References

TC start	26.01.2024 16:22:45
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	True   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

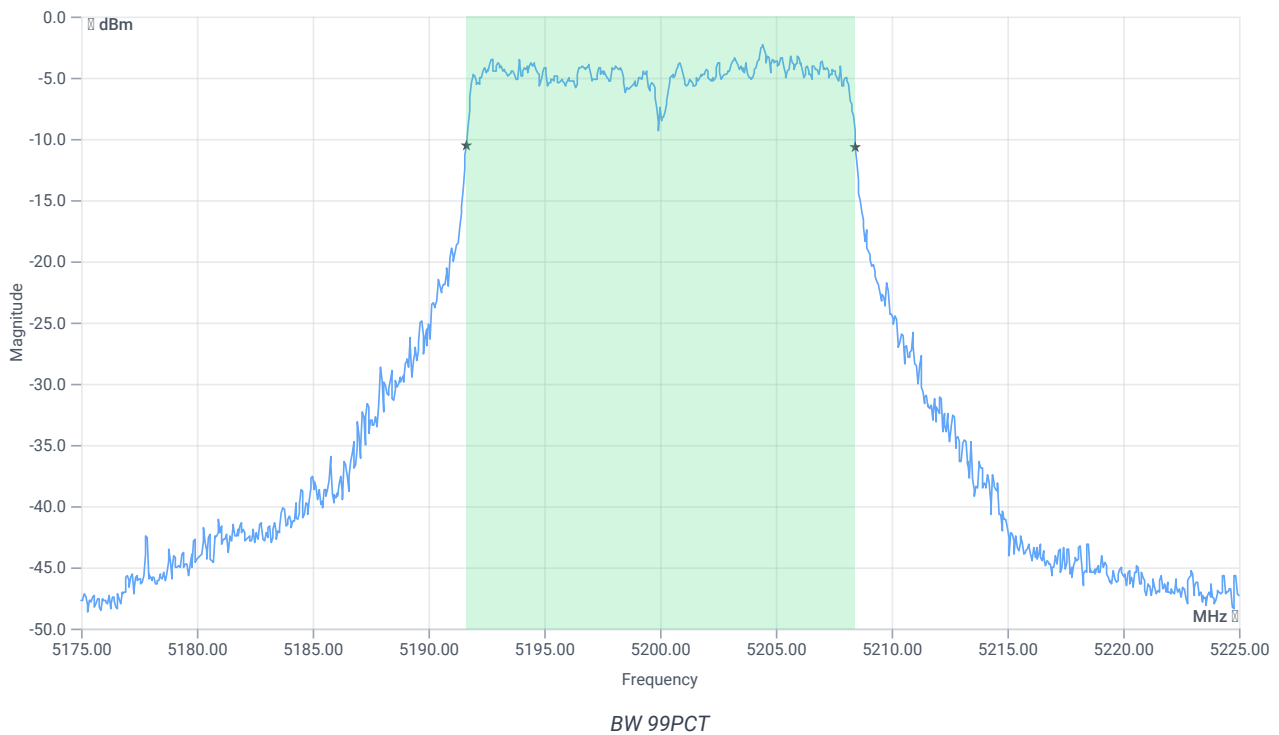
## Test at TX 5200 MHz

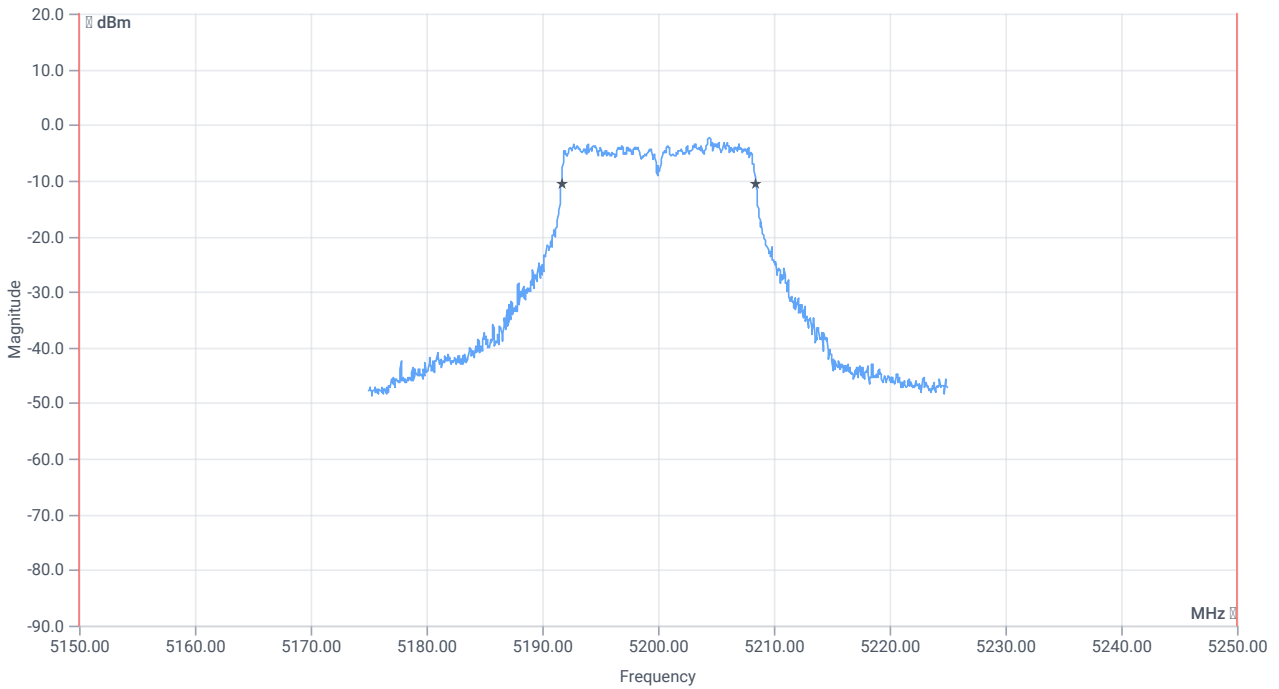
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.49	dBm	INFO
Ref. frequency	--	--	5207.390	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.49   10.05   20
Start [MHz]   Stop [MHz]	5175.000   5225.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

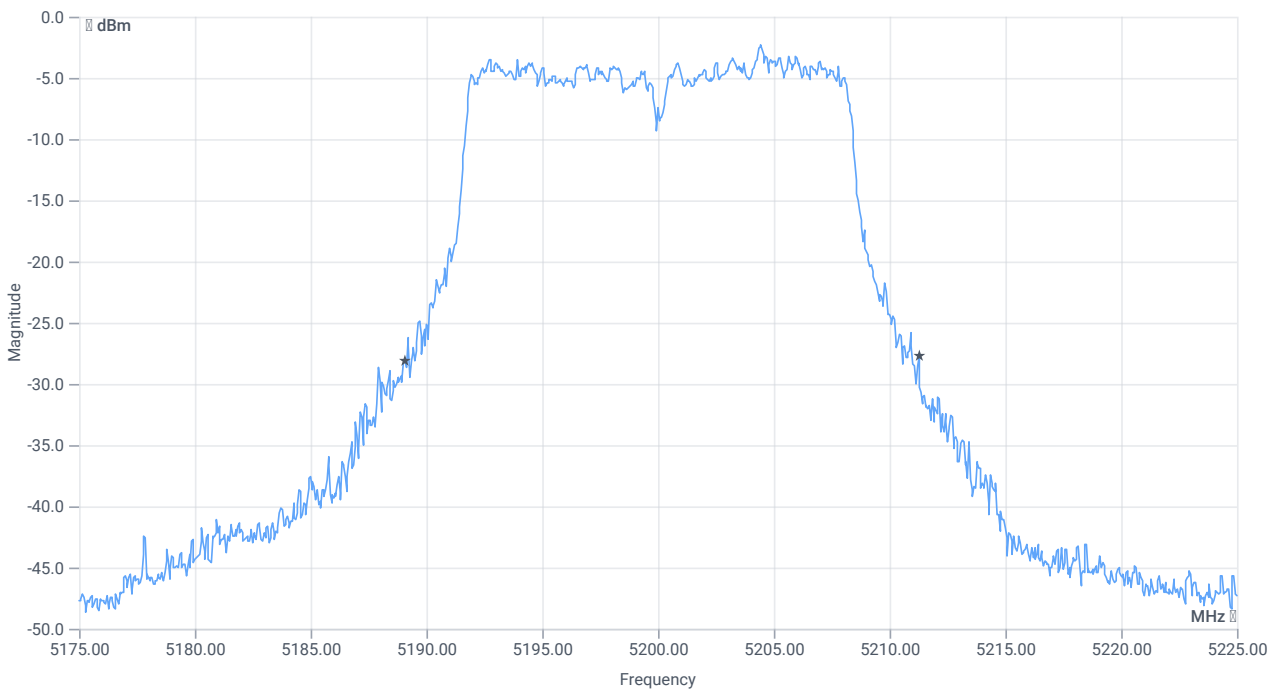




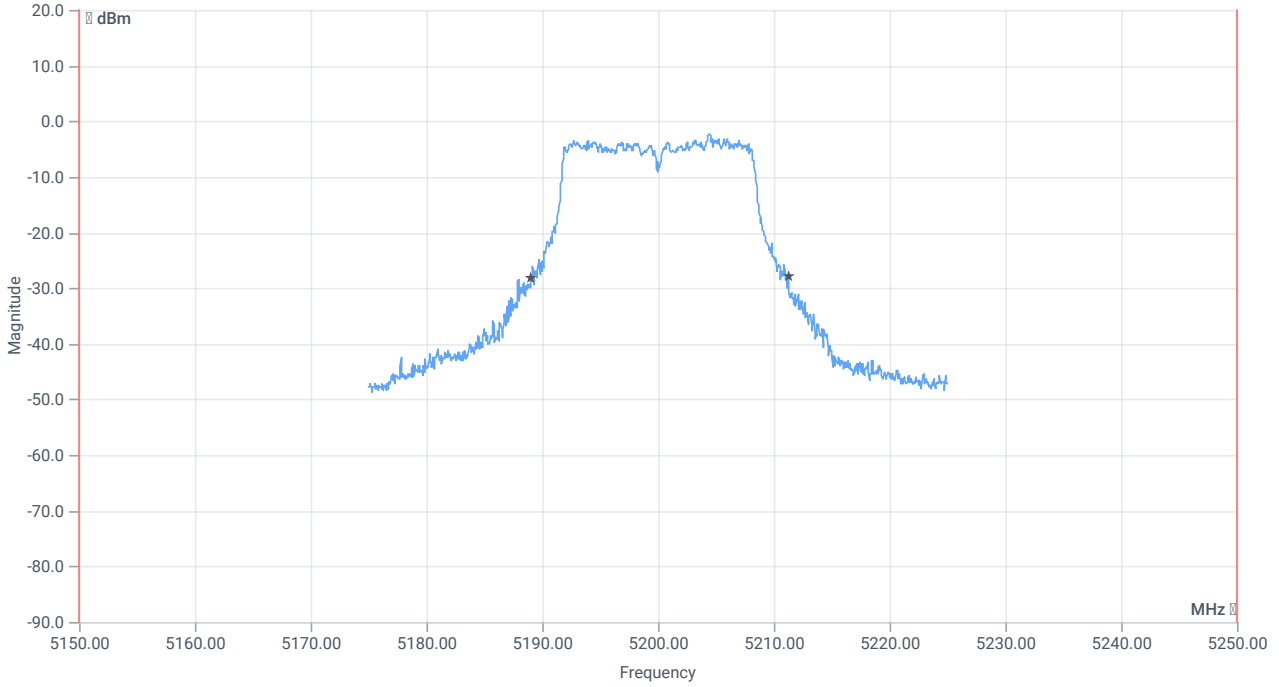
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5150.000000	--	5191.6583	MHz	PASS
T2 99%	--	5250.000000	5208.4416	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	22.2	MHz	INFO
T1 26dB	5150.000000	--	5189.0500	MHz	PASS
T2 26dB	--	5250.000000	5211.2500	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

## References

TC start	26.01.2024 16:17:38
Ambit temp [°C]   humidity [rel%]	26.7   35
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

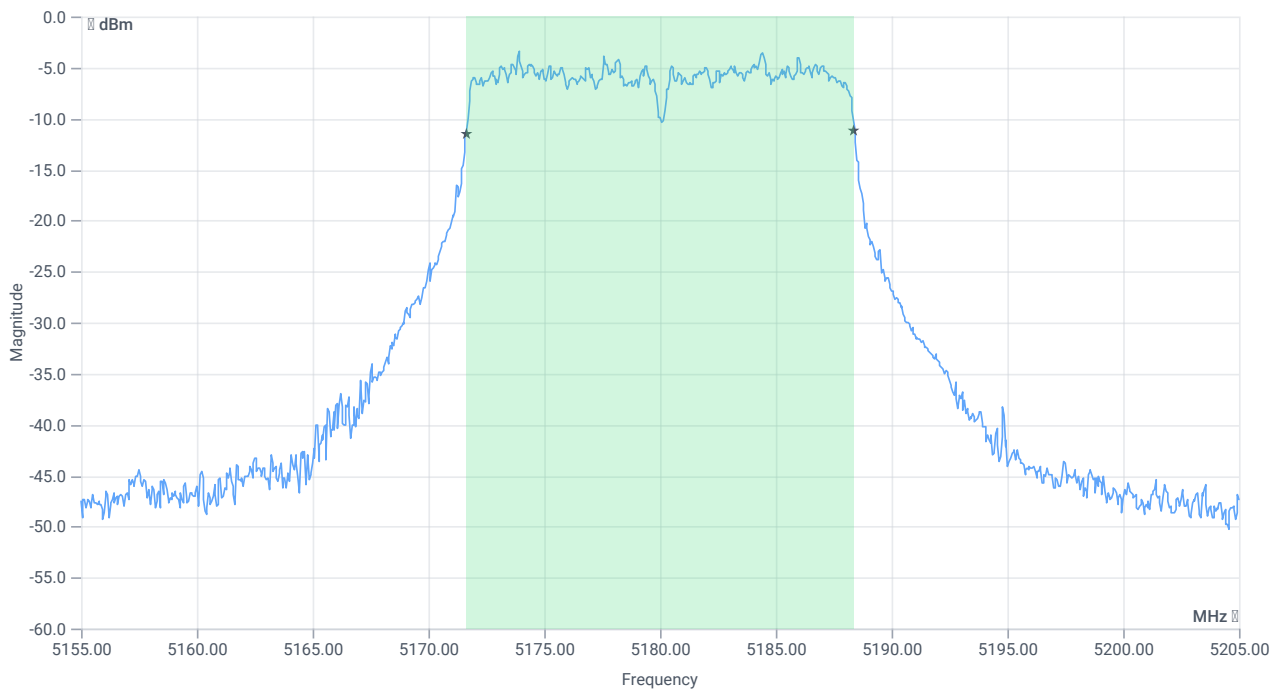
## Test at TX 5180 MHz

RESULT: Reference power cond.

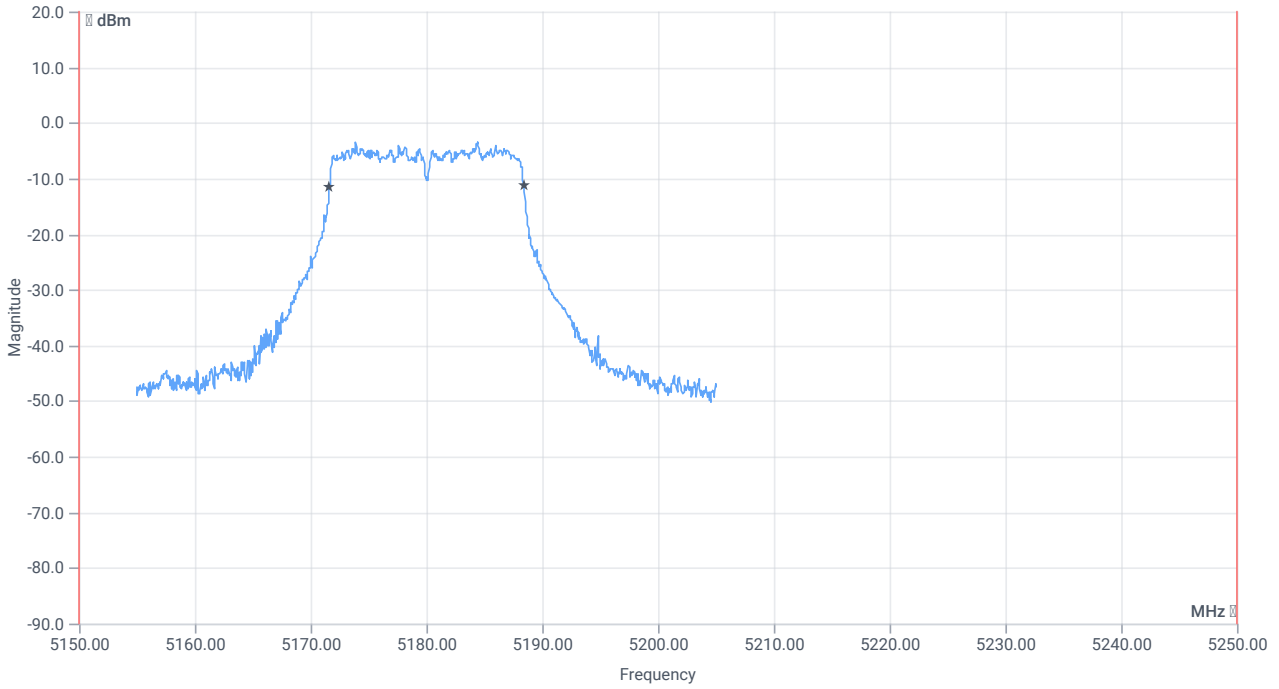
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.80	dBm	INFO
Ref. frequency	--	--	5187.390	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.80   10.01   15
Start [MHz]   Stop [MHz]	5155.000   5205.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



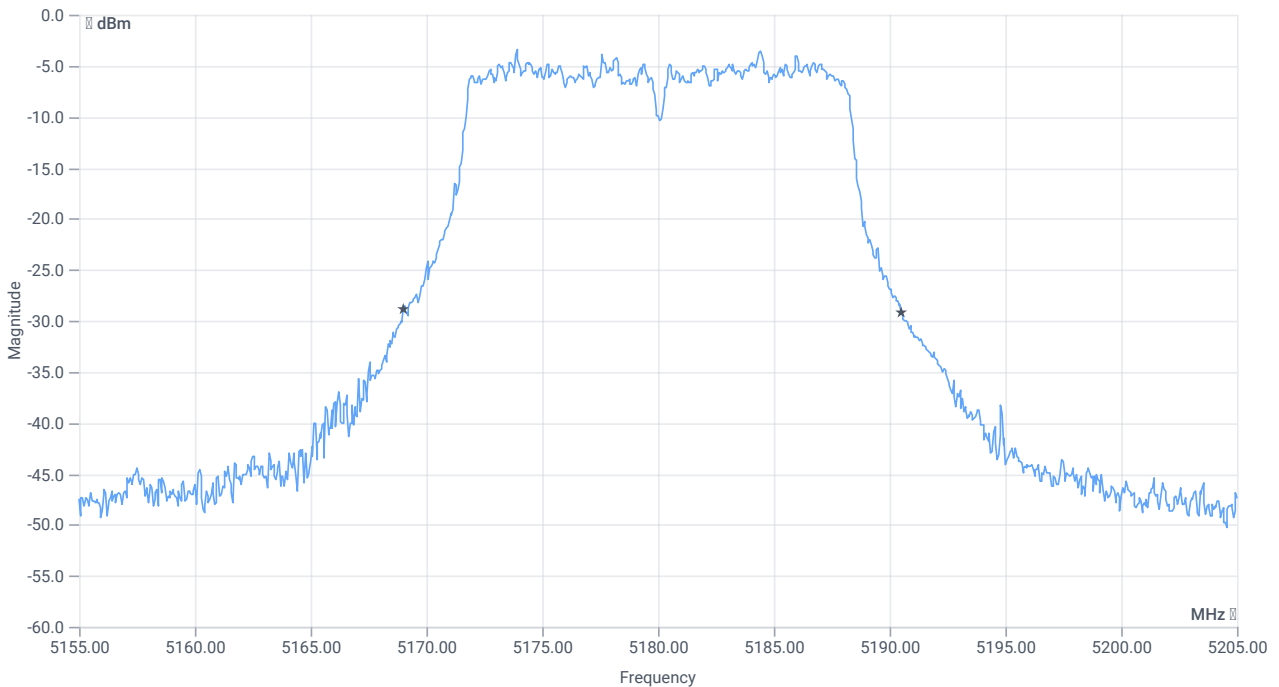




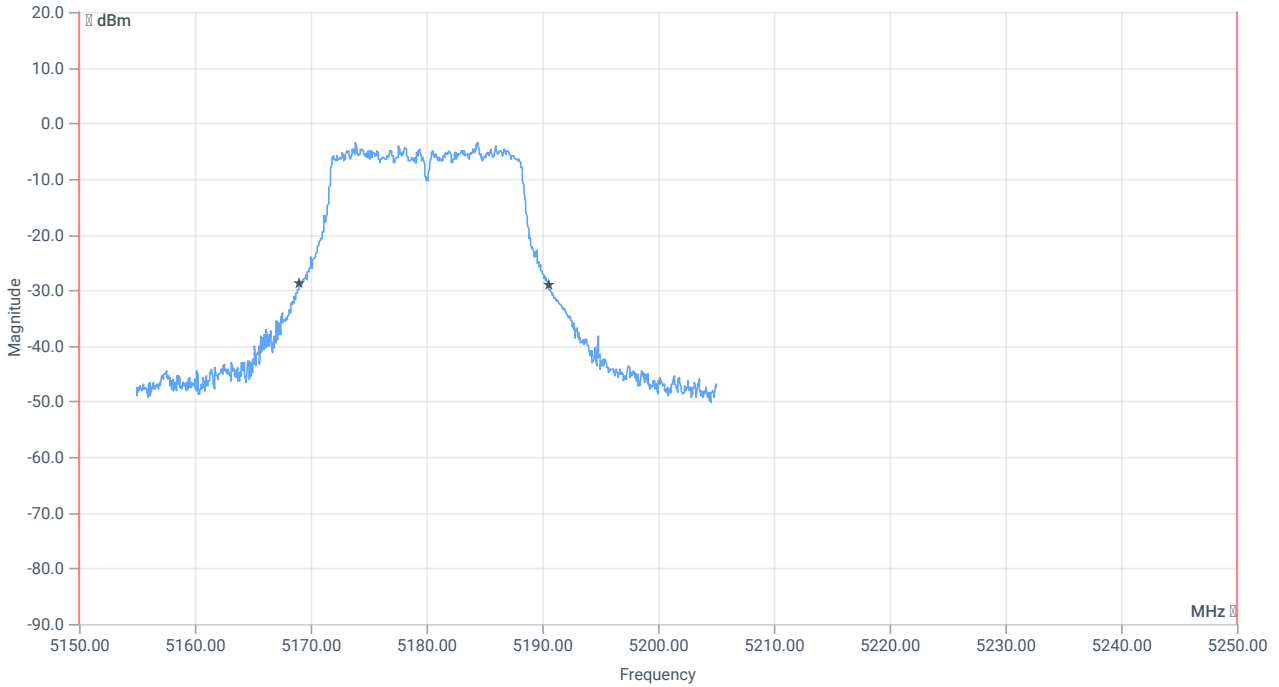
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5150.000000	--	5171.6084	MHz	PASS
T2 99%	--	5250.000000	5188.3916	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	21.5	MHz	INFO
T1 26dB	5150.000000	--	5169.0000	MHz	PASS
T2 26dB	--	5250.000000	5190.5000	MHz	PASS

Verdict

PASS

# FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 20dB ~ WLAN5Gx n-HT20 mode U-NII-1

## References

TC start	26.01.2024 16:13:25
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

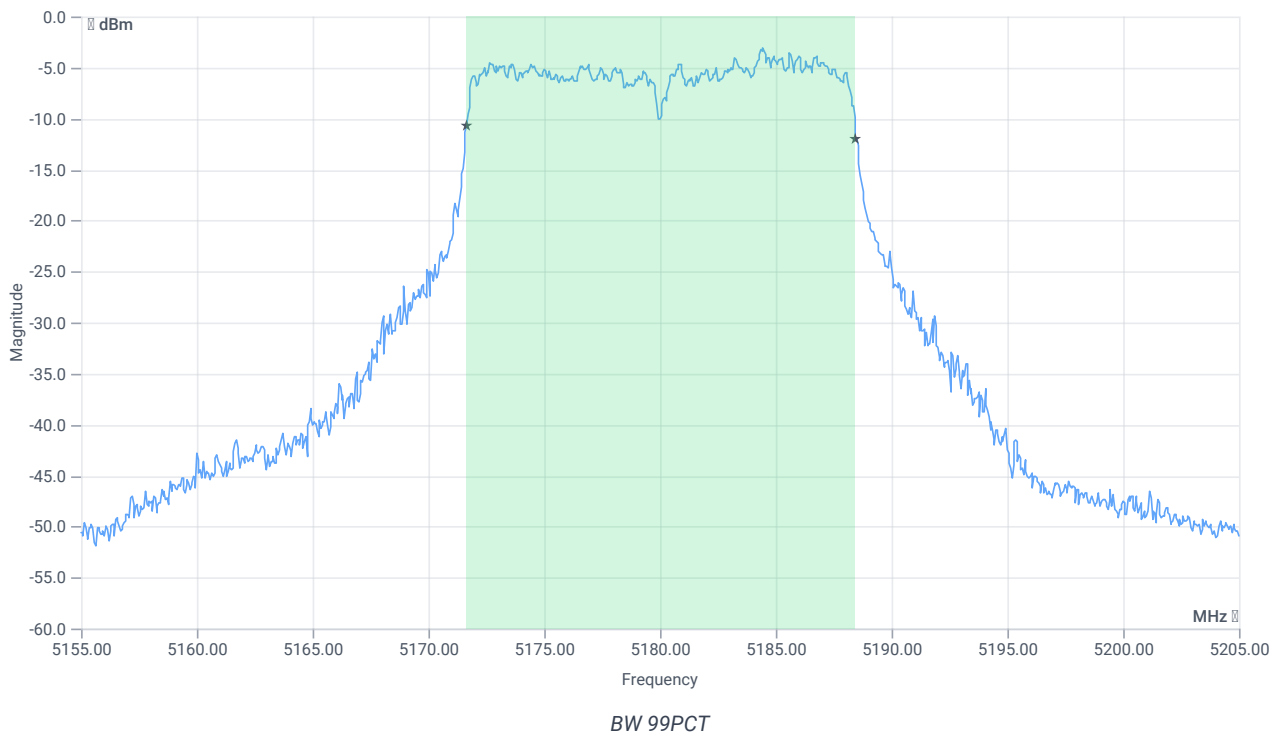
## Test at TX 5180 MHz

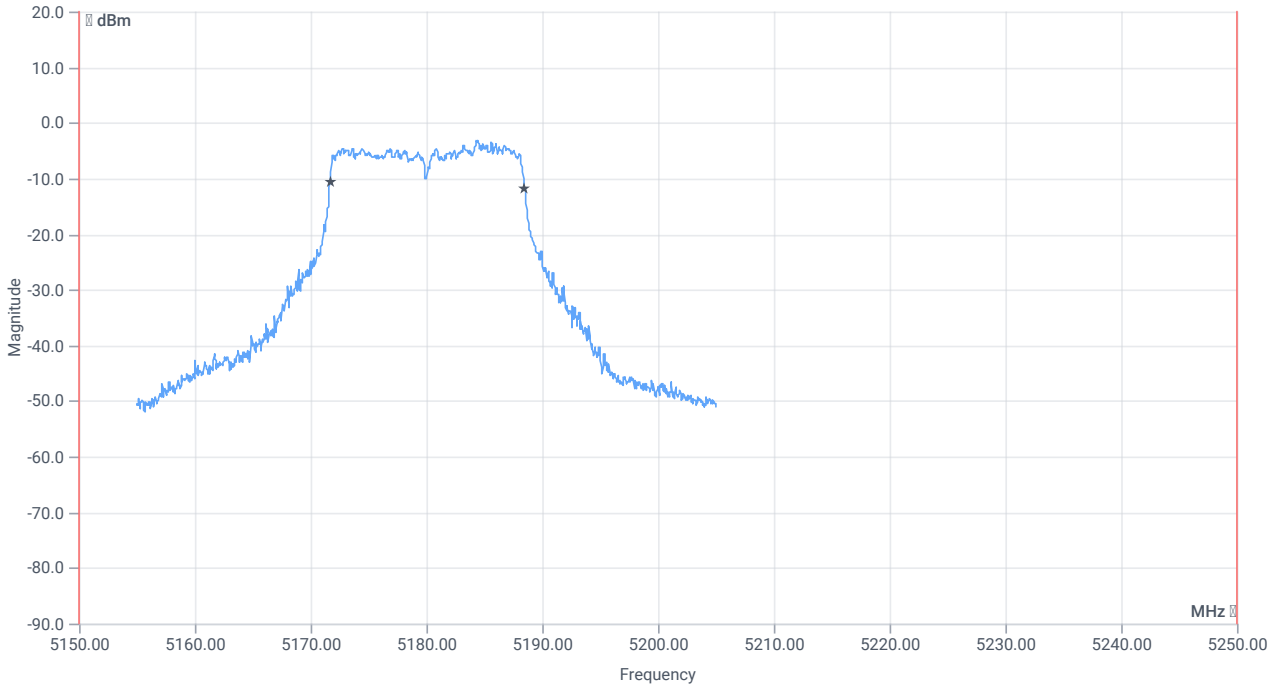
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.30	dBm	INFO
Ref. frequency	--	--	5174.210	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.30   9.99   15
Start [MHz]   Stop [MHz]	5155.000   5205.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

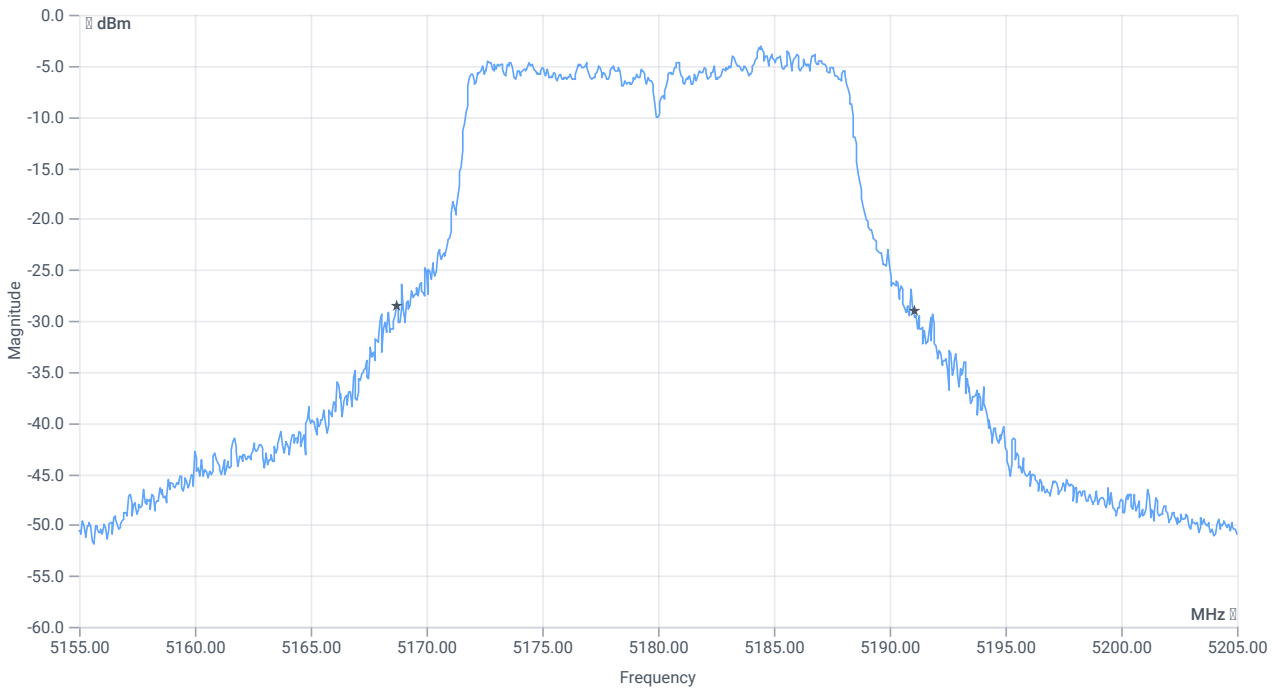




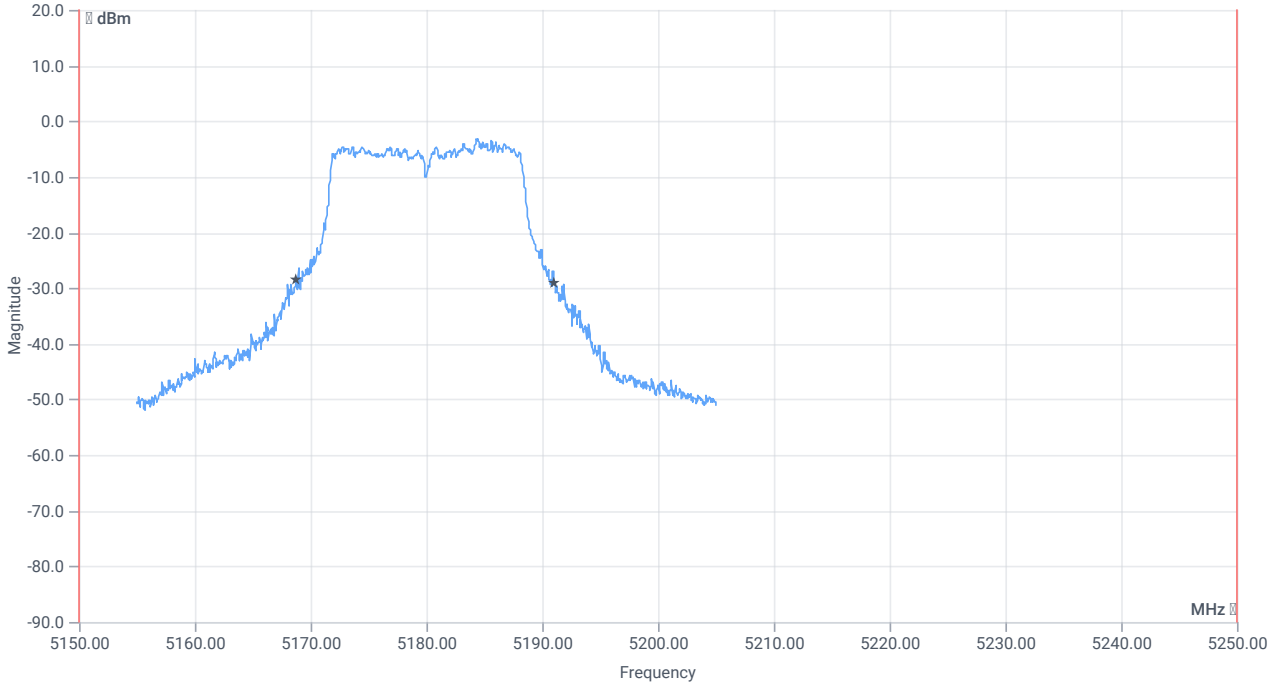
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.783	MHz	INFO
T1 99%	5150.000000	--	5171.6583	MHz	PASS
T2 99%	--	5250.000000	5188.4416	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	22.35	MHz	INFO
T1 26dB	5150.000000	---	5168.7000	MHz	PASS
T2 26dB	---	5250.000000	5191.0500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:49:45
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

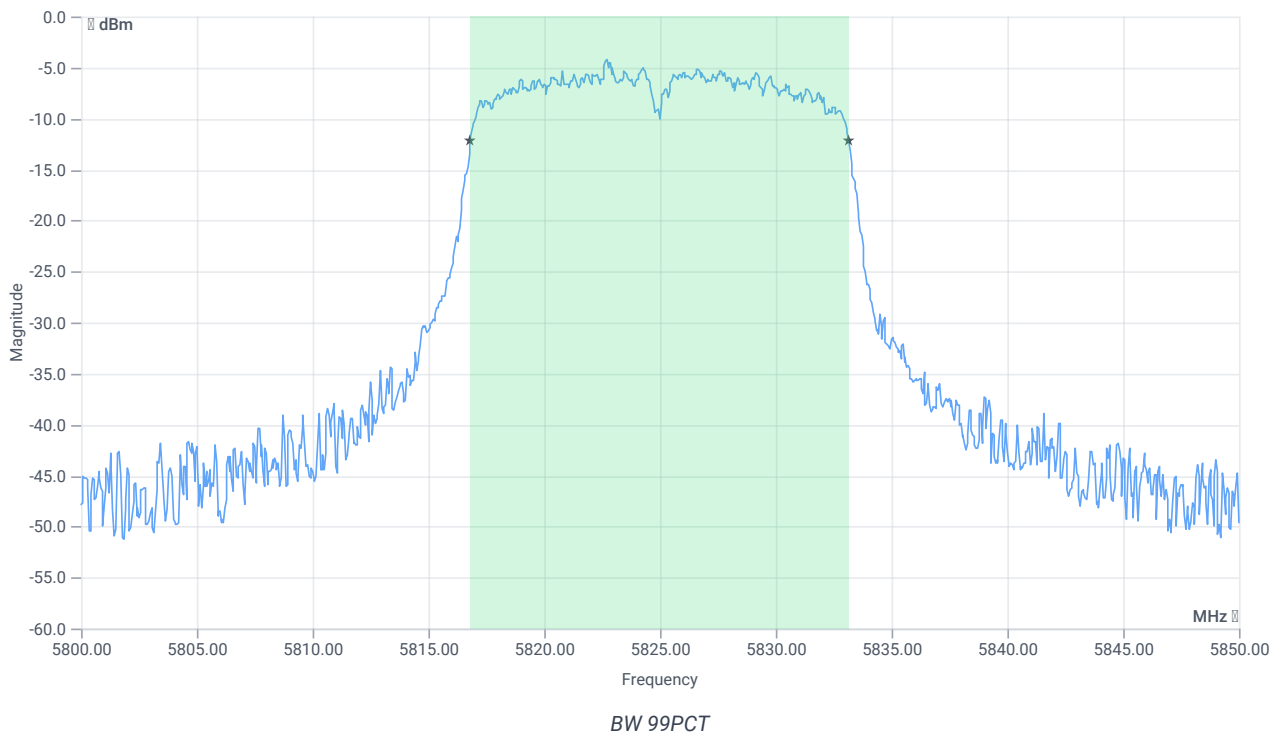
## Test at TX 5825 MHz

RESULT: Reference power cond.

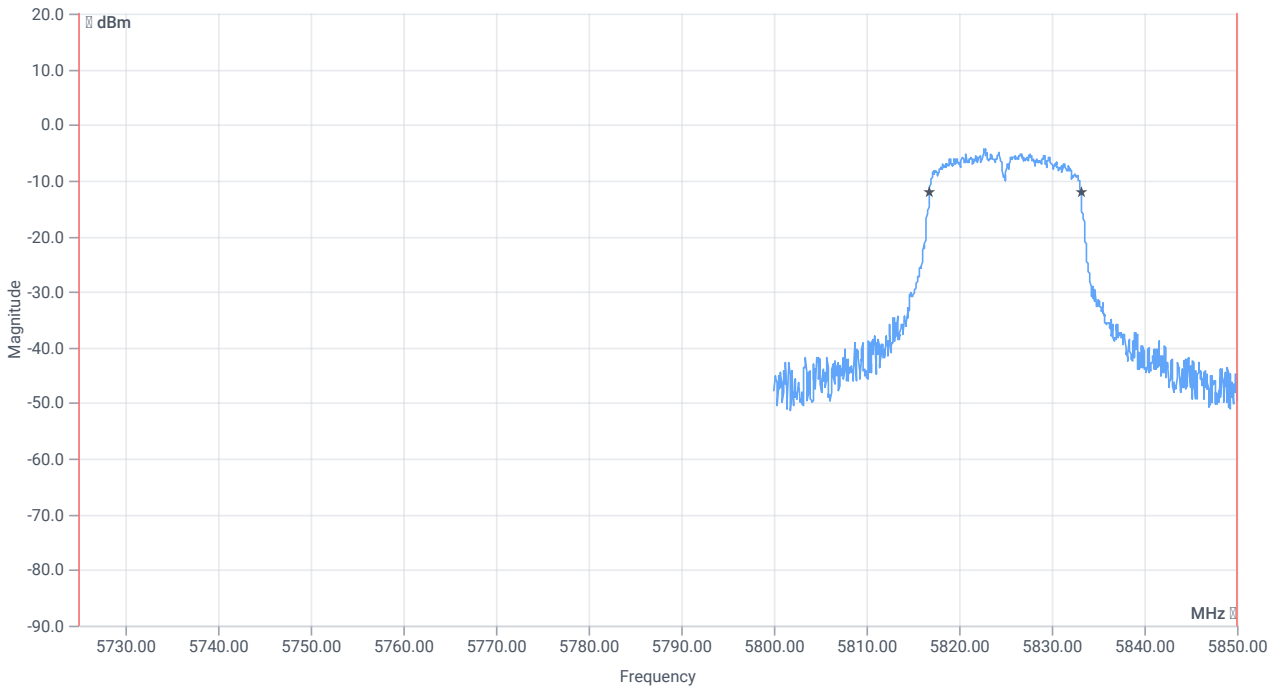
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.27	dBm	INFO
Ref. frequency	--	--	5827.200	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.27   10.44   15
Start [MHz]   Stop [MHz]	5800.000   5850.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



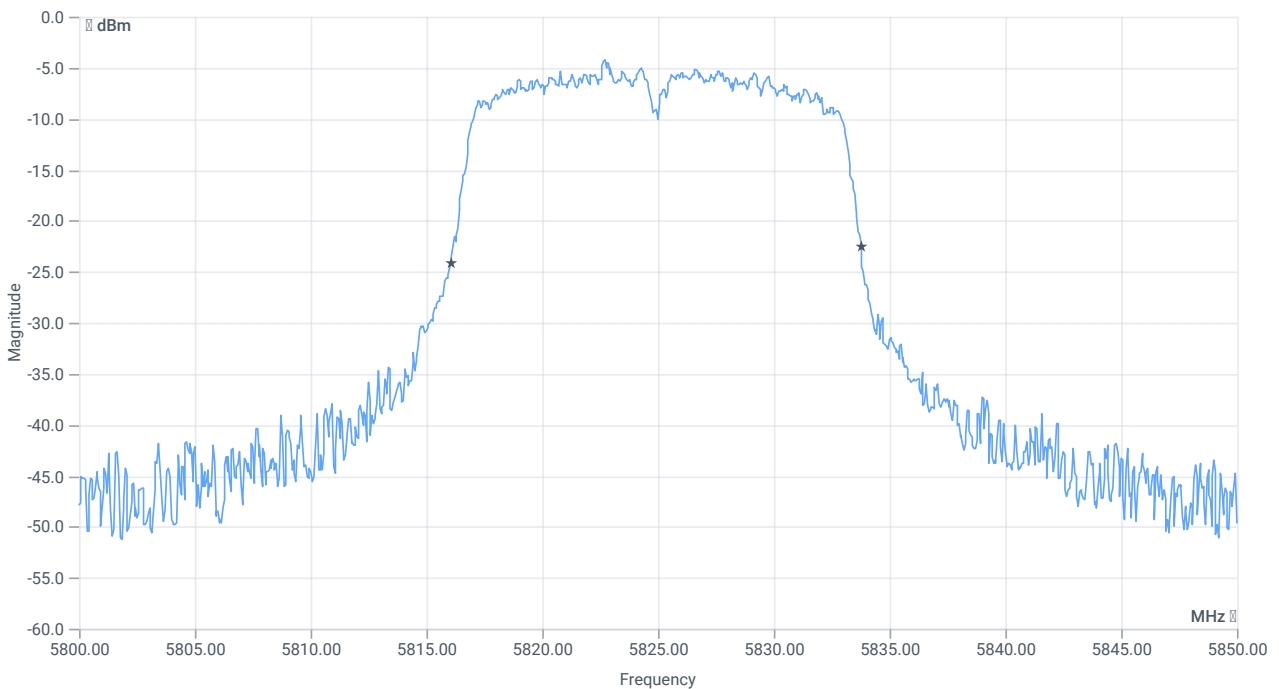




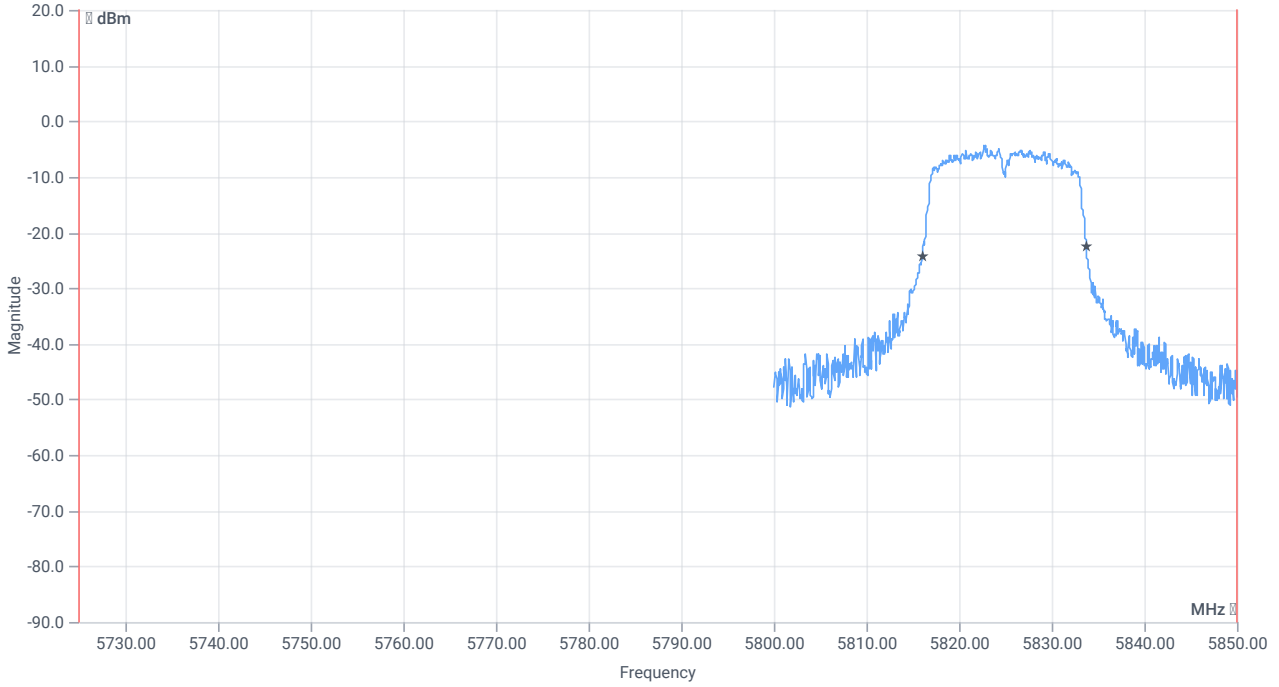
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5725.000000	--	5816.8082	MHz	PASS
T2 99%	--	5850.000000	5833.1419	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	17.7	MHz	INFO
T1 20dB	5725.000000	--	5816.0500	MHz	PASS
T2 20dB	--	5850.000000	5833.7500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:42:29
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

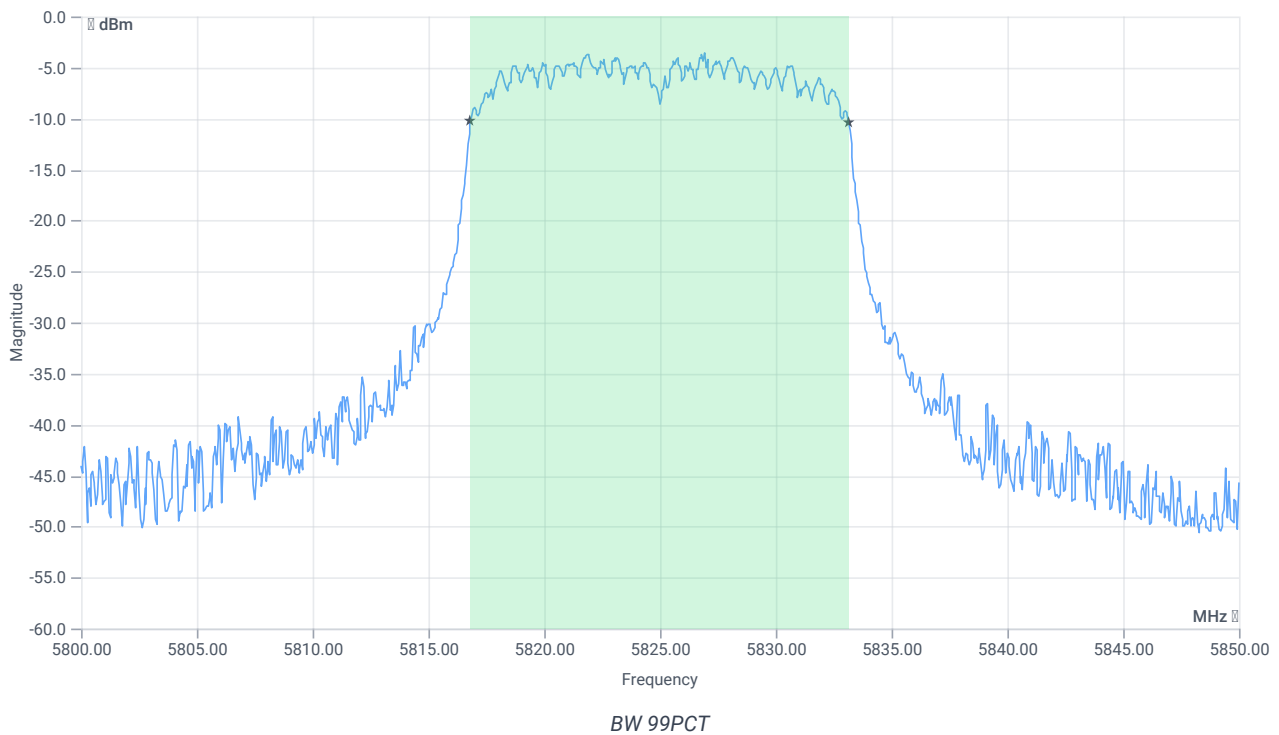
## Test at TX 5825 MHz

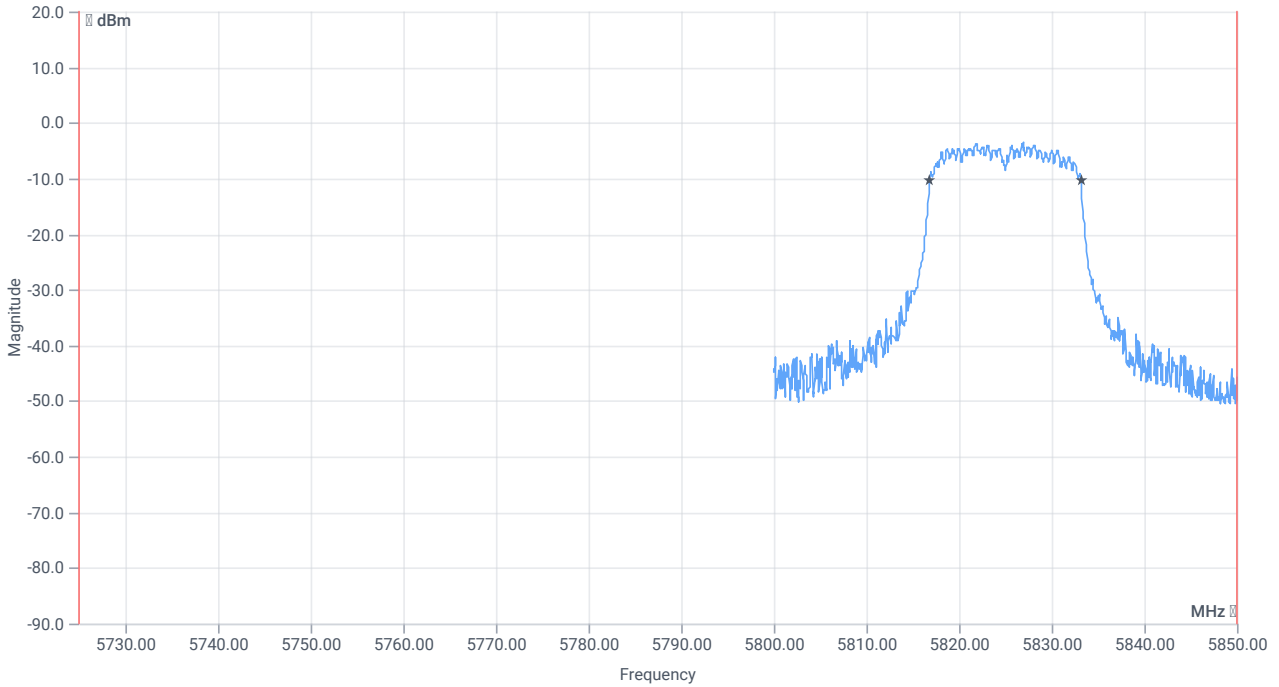
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.35	dBm	INFO
Ref. frequency	--	--	5826.800	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.35   10.45   15
Start [MHz]   Stop [MHz]	5800.000   5850.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

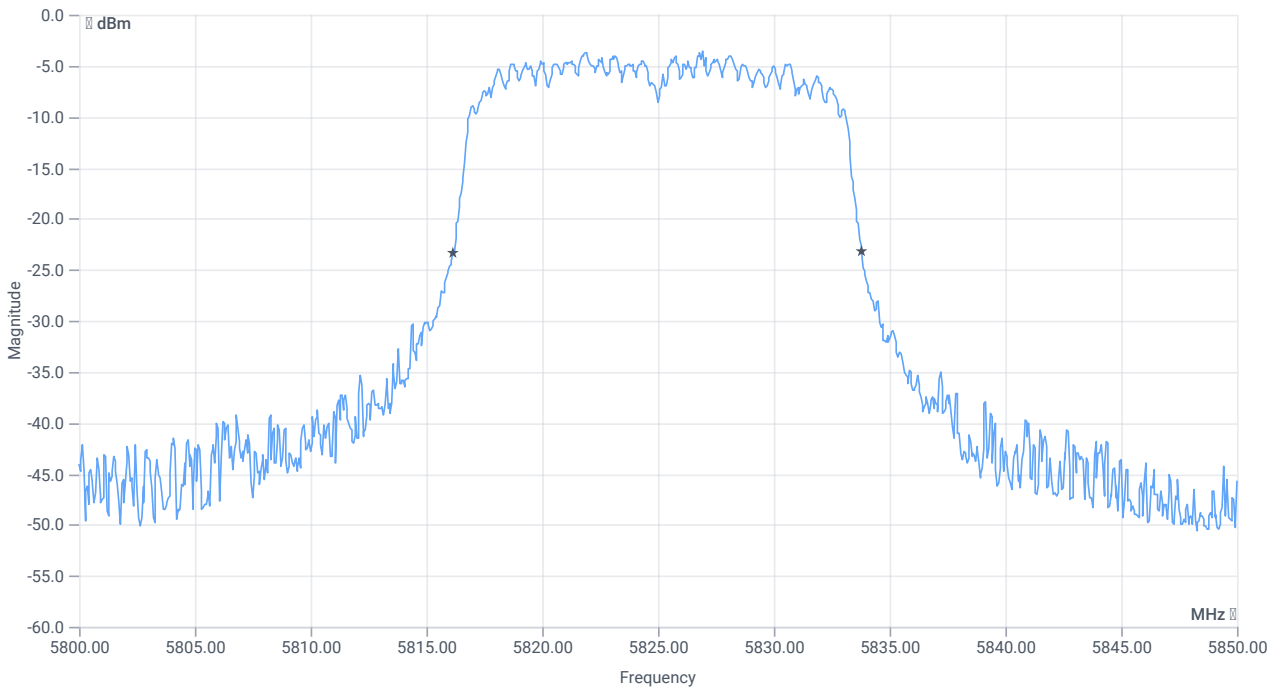




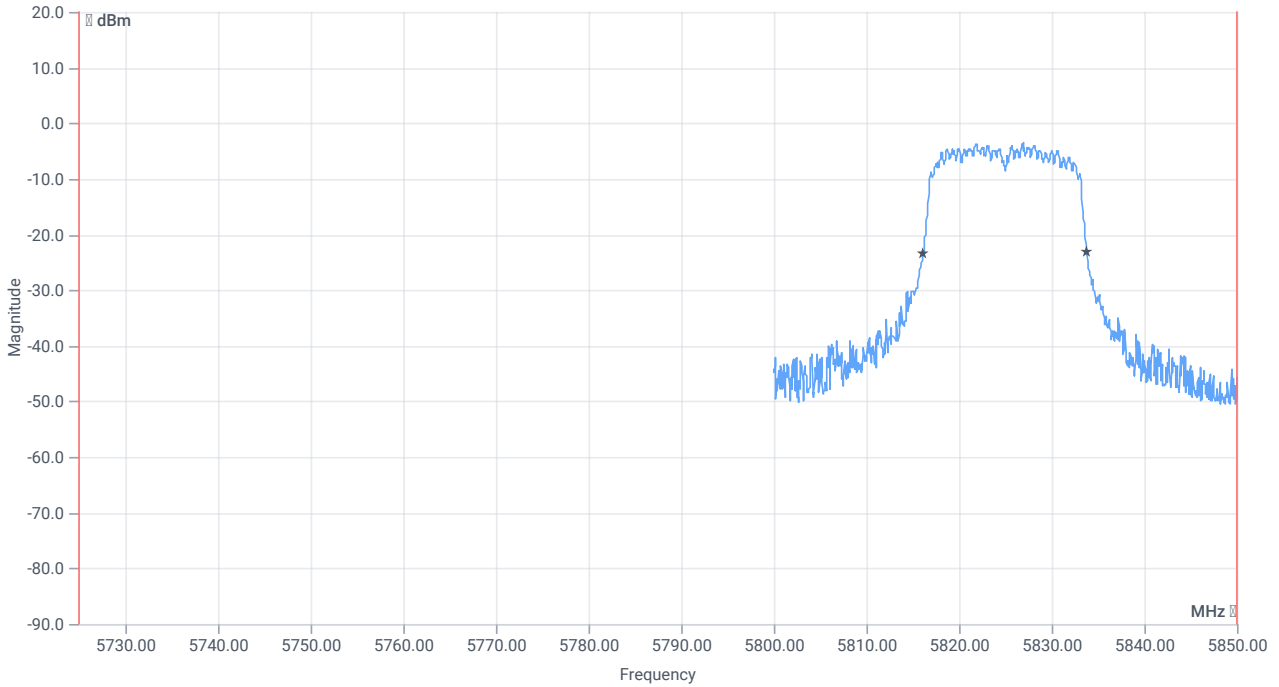
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5725.000000	--	5816.8082	MHz	PASS
T2 99%	--	5850.000000	5833.1419	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	17.65	MHz	INFO
T1 20dB	5725.000000	--	5816.1500	MHz	PASS
T2 20dB	--	5850.000000	5833.8000	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:33:55
Ambit temp [°C]   humidity [rel%]	26.7   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

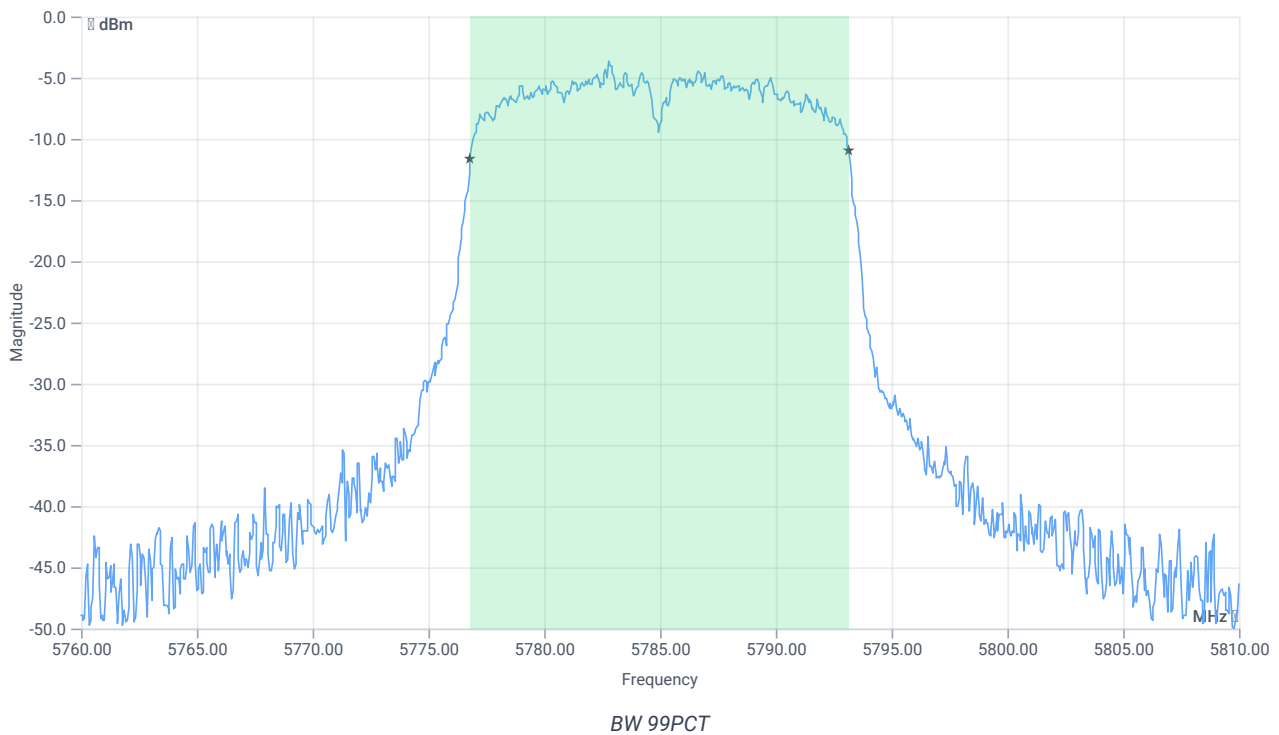
## Test at TX 5785 MHz

RESULT: Reference power cond.

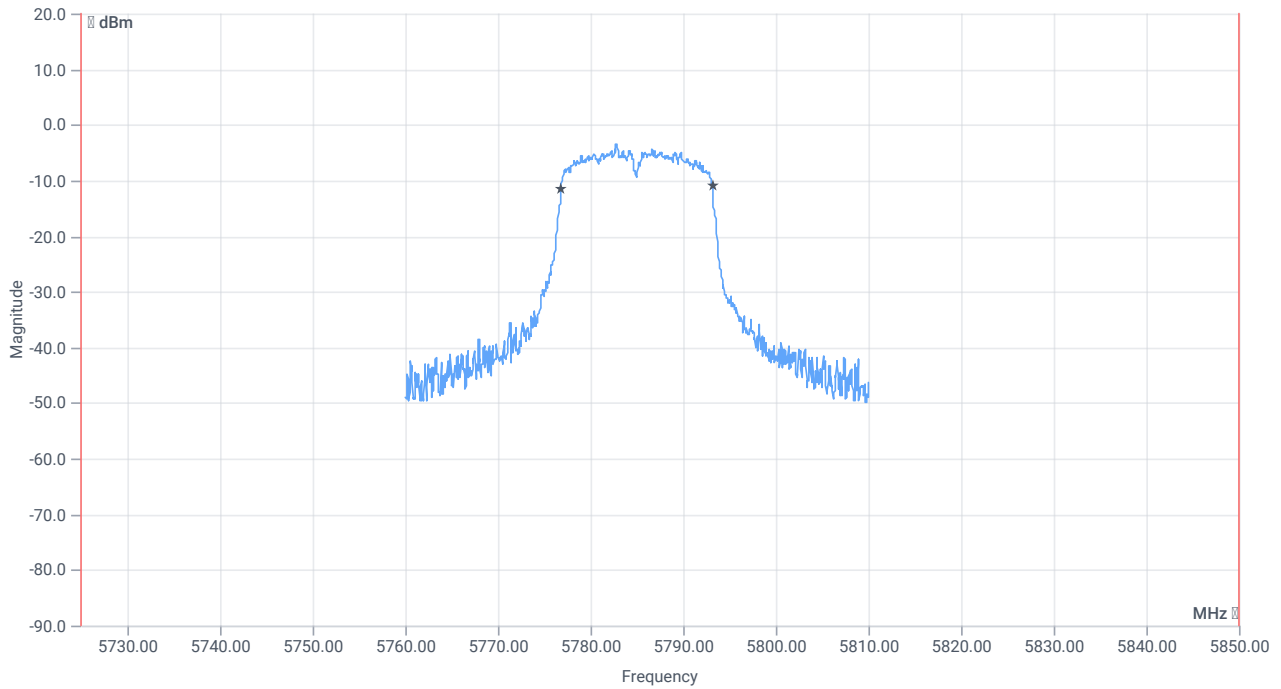
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.23	dBm	INFO
Ref. frequency	--	--	5780.400	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.23   10.41   15
Start [MHz]   Stop [MHz]	5760.000   5810.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



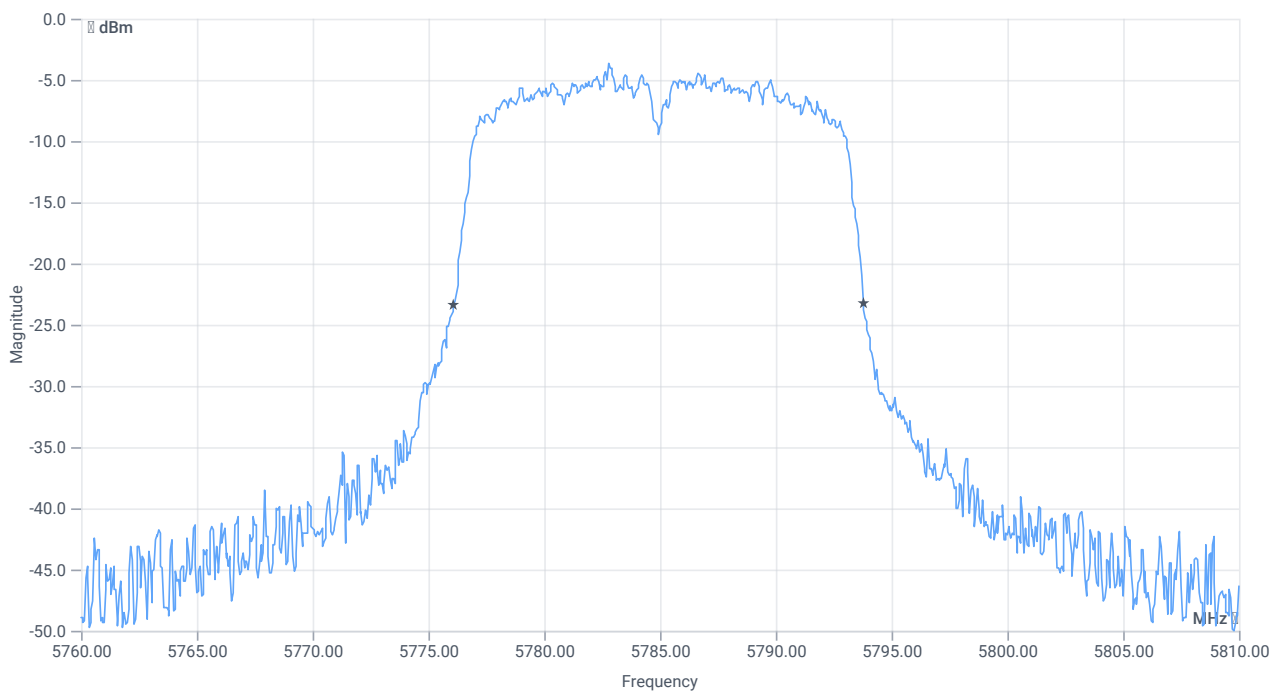




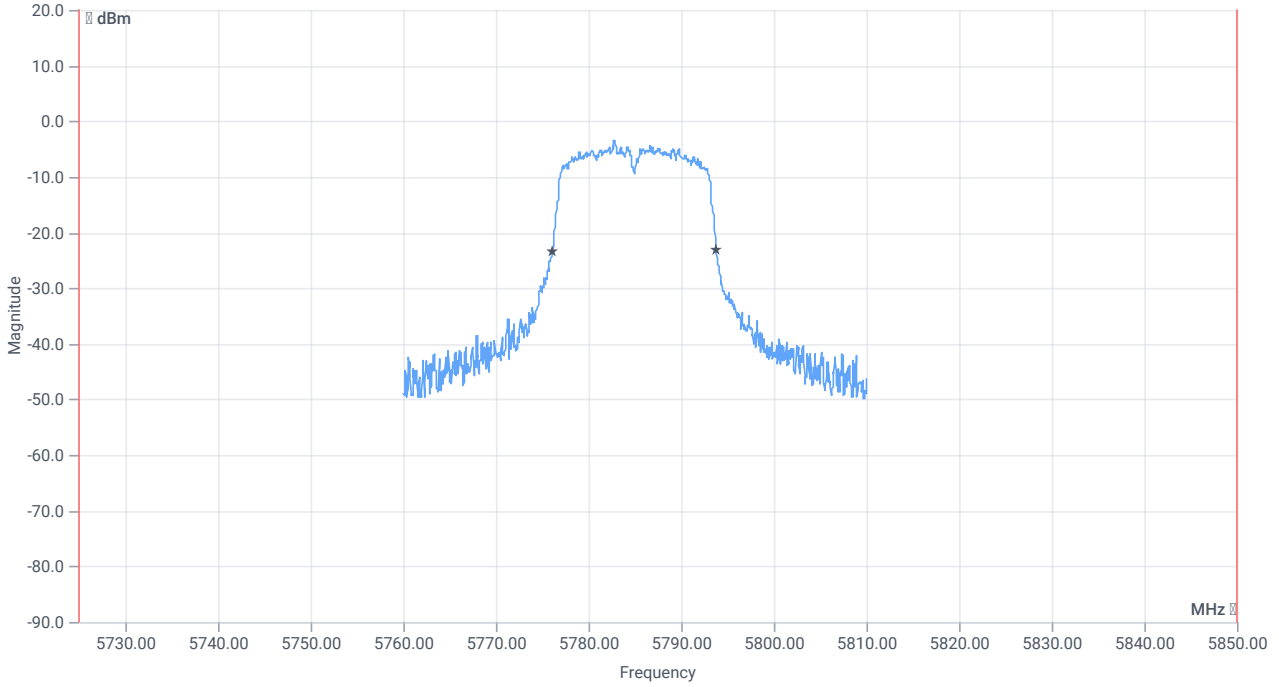
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5725.000000	--	5776.8082	MHz	PASS
T2 99%	--	5850.000000	5793.1419	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	17.65	MHz	INFO
T1 20dB	5725.000000	--	5776.1000	MHz	PASS
T2 20dB	--	5850.000000	5793.7500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:26:33
Ambit temp [°C]   humidity [rel%]	26.7   36
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

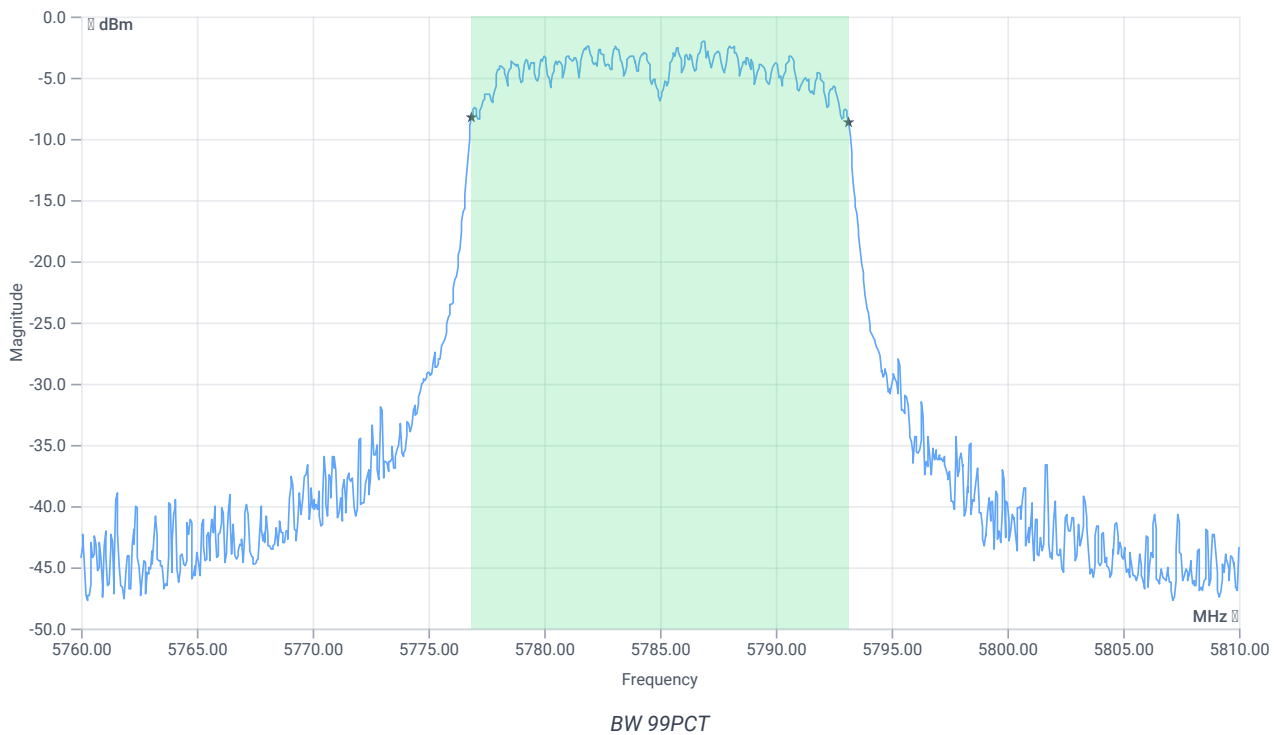
## Test at TX 5785 MHz

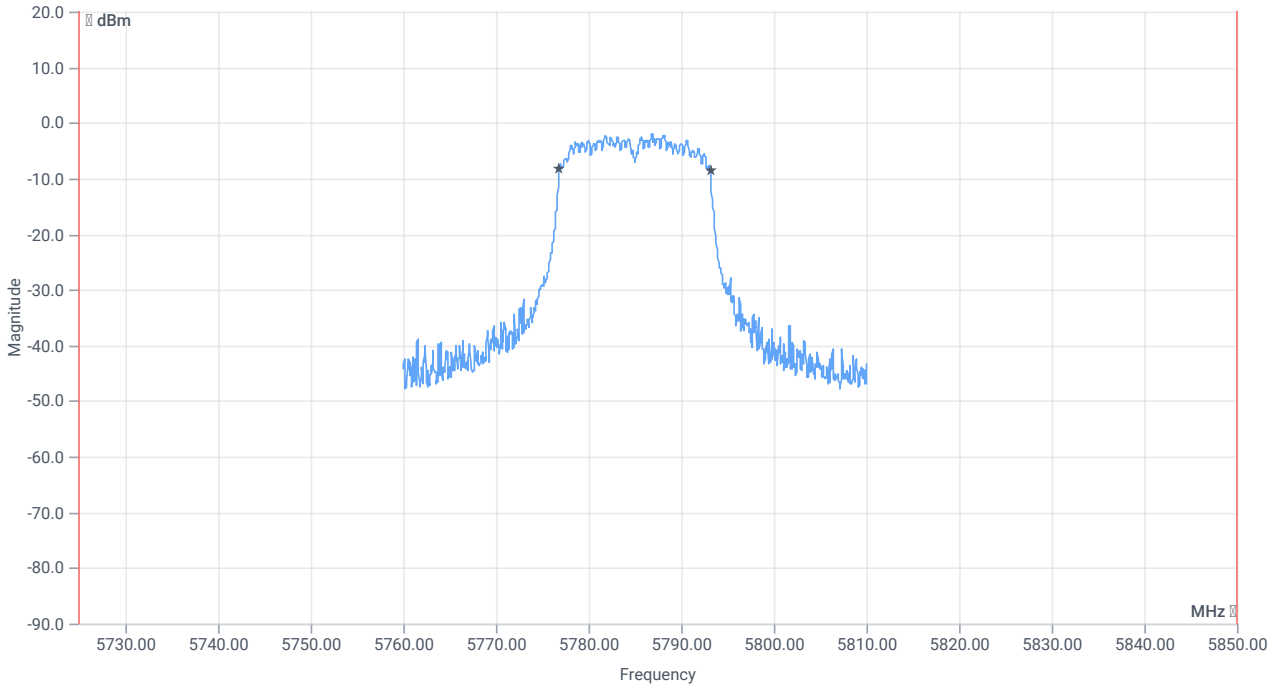
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.60	dBm	INFO
Ref. frequency	--	--	5783.600	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.60   10.38   20
Start [MHz]   Stop [MHz]	5760.000   5810.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

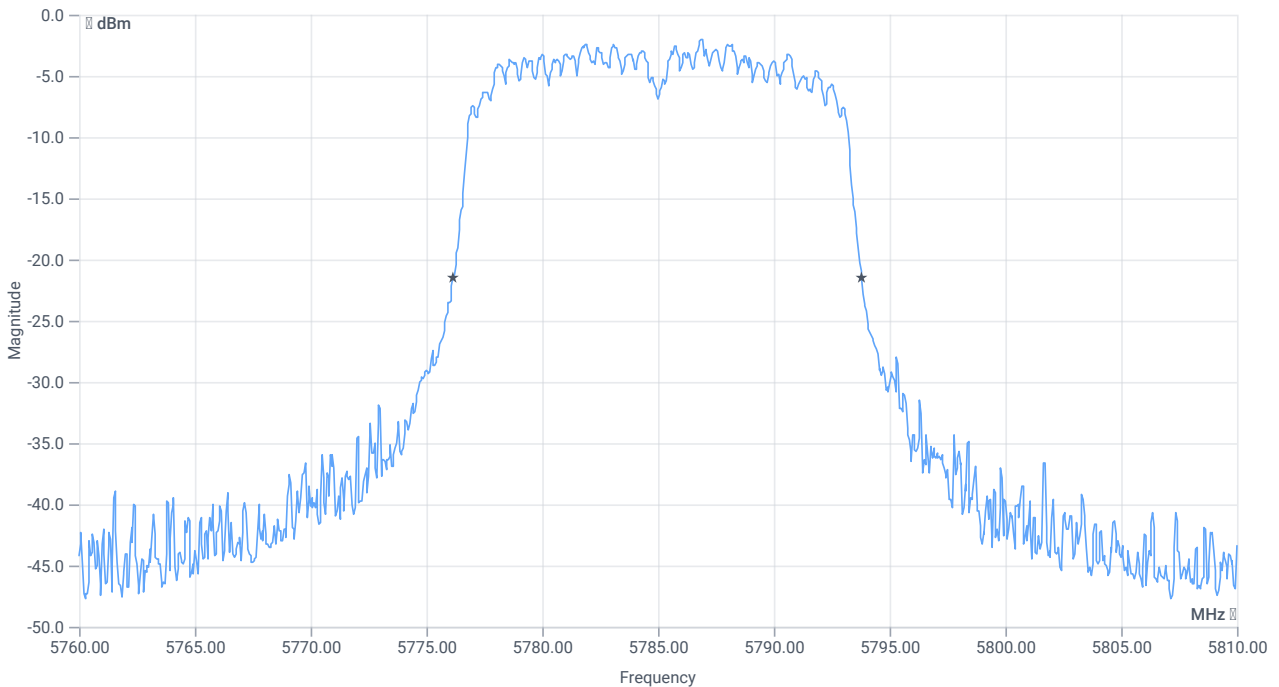




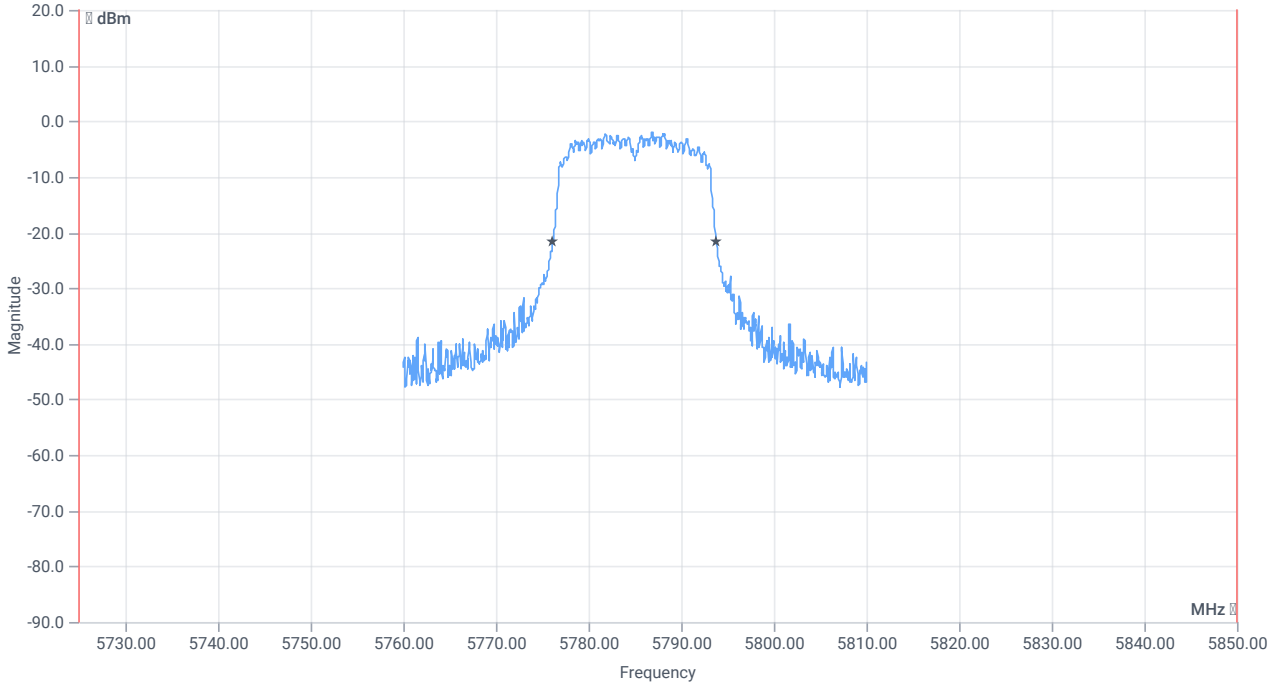
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5725.000000	--	5776.8581	MHz	PASS
T2 99%	--	5850.000000	5793.1419	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	17.65	MHz	INFO
T1 20dB	5725.000000	--	5776.1500	MHz	PASS
T2 20dB	--	5850.000000	5793.8000	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:18:10
Ambit temp [°C]   humidity [rel%]	26.5   37
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

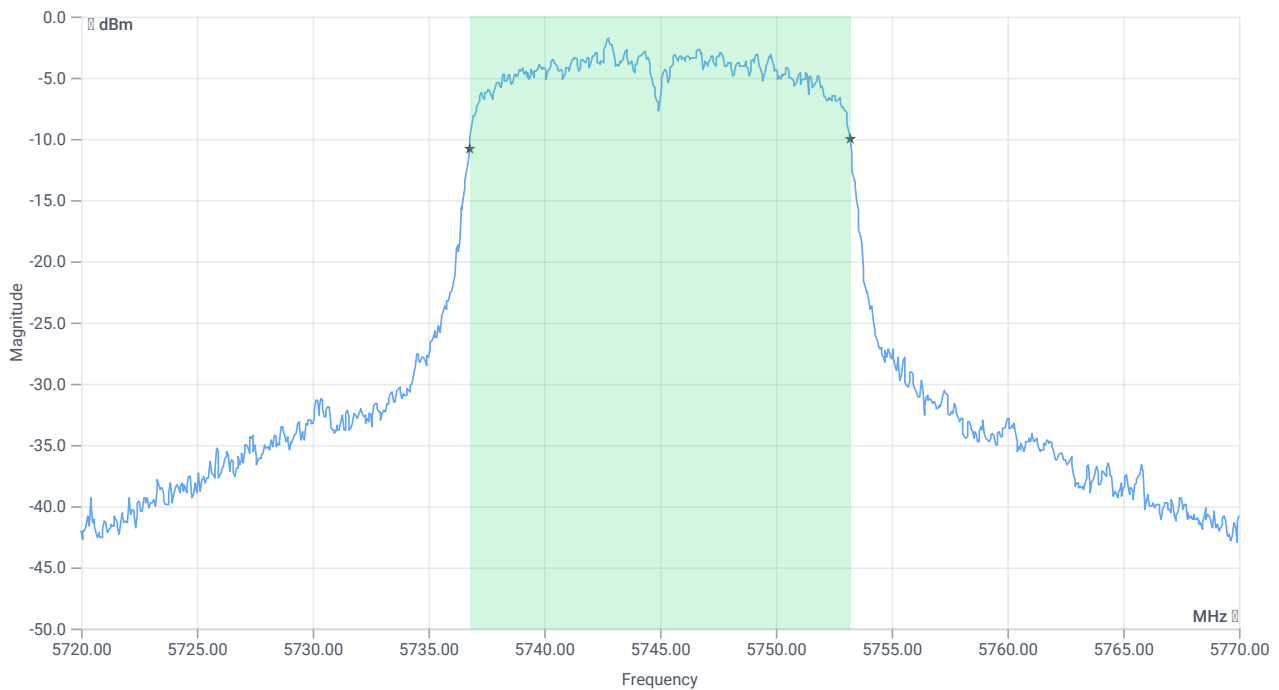
## Test at TX 5745 MHz

RESULT: Reference power cond.

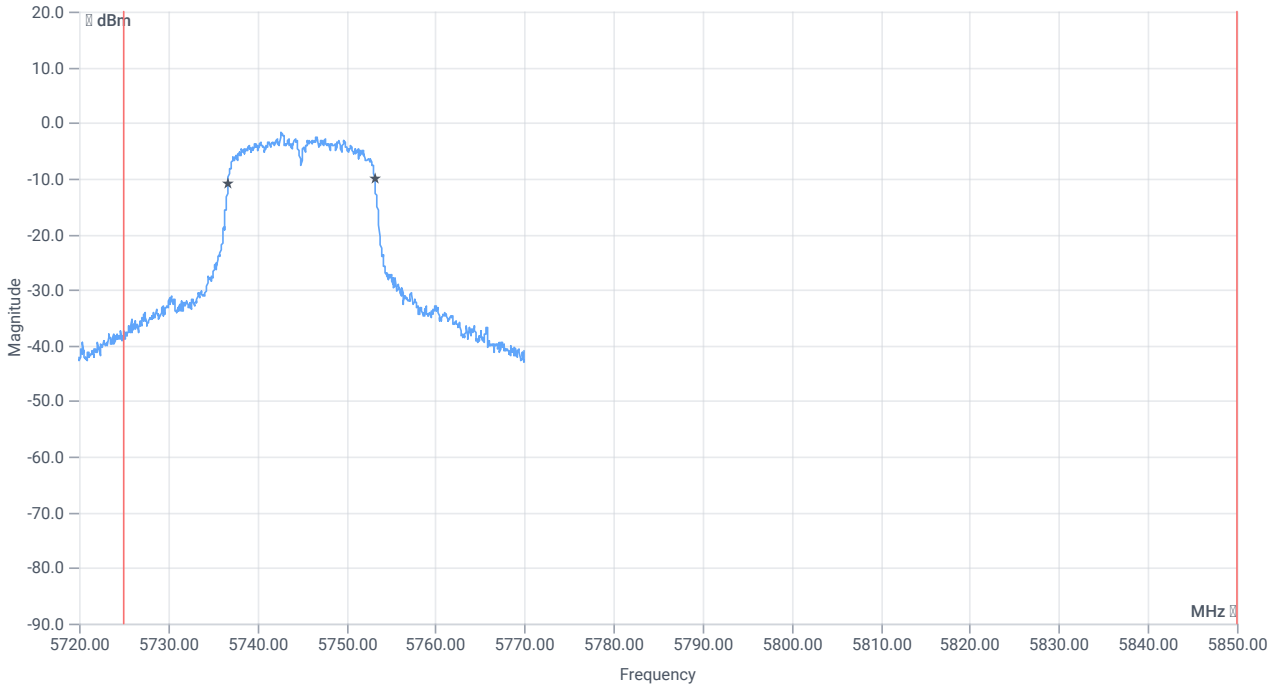
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.41	dBm	INFO
Ref. frequency	--	--	5742.000	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.41   10.38   20
Start [MHz]   Stop [MHz]	5720.000   5770.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



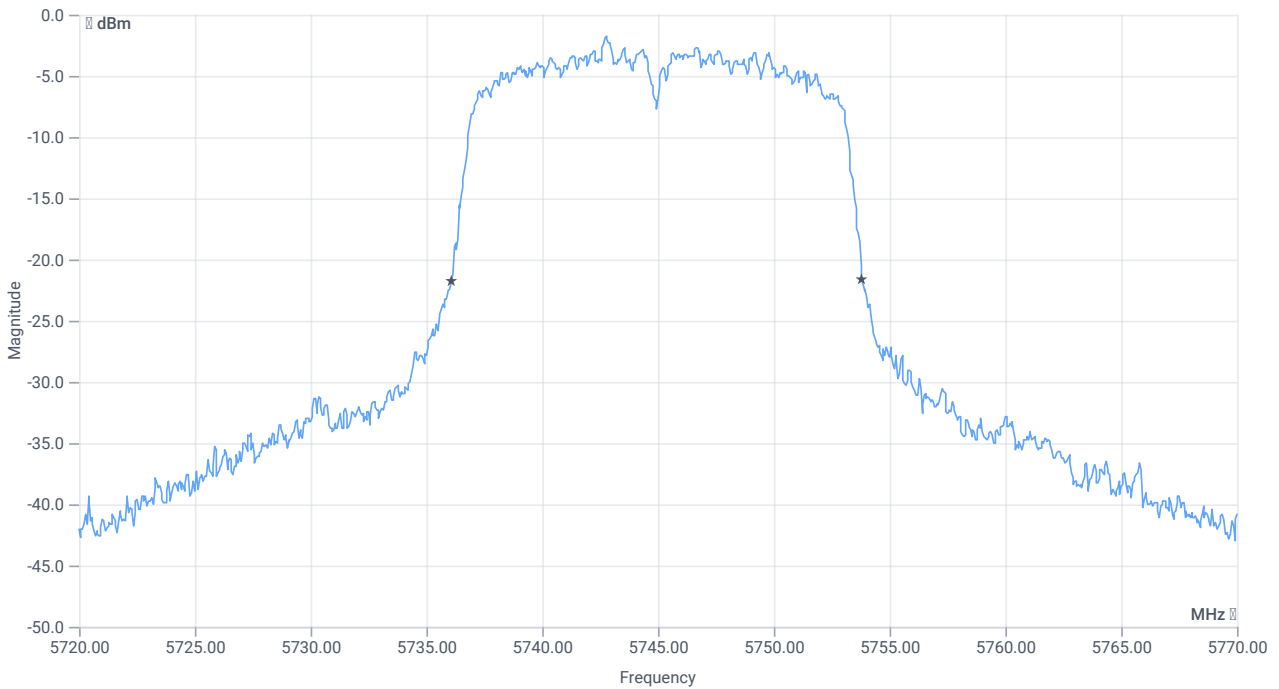




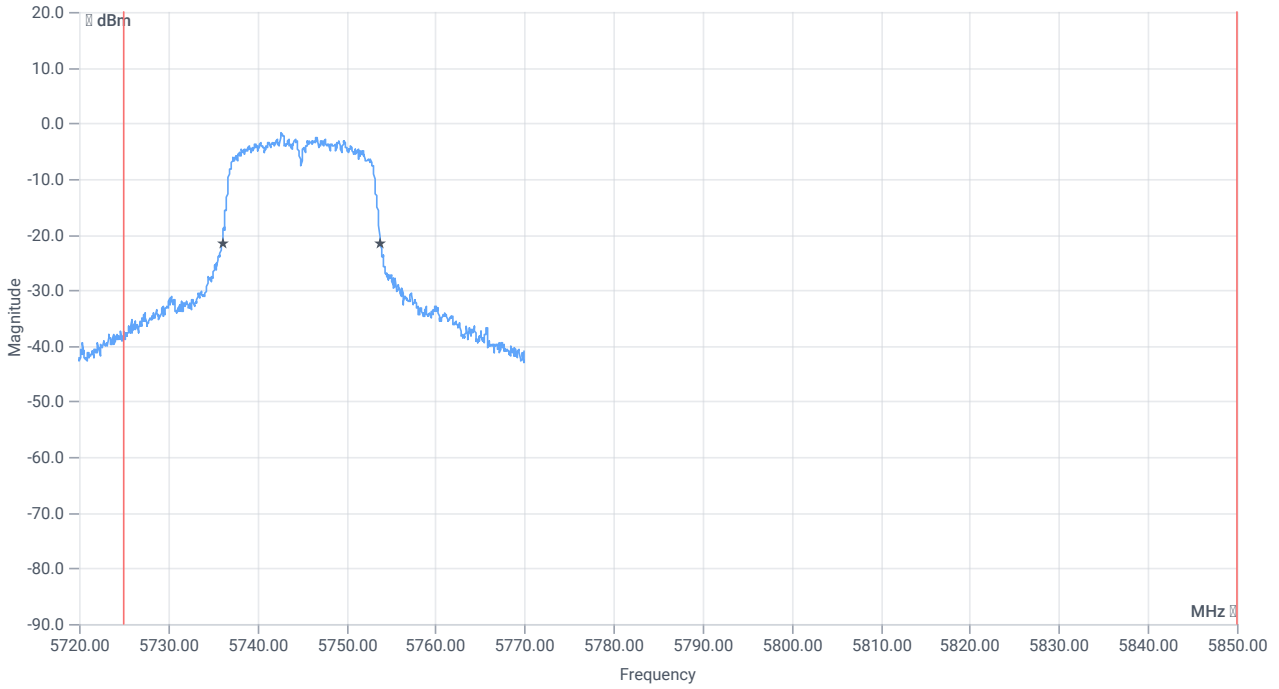
BW within band 99PCT

**RESULT**

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.434	MHz	INFO
T1 99%	5725.000000	--	5736.7582	MHz	PASS
T2 99%	--	5850.000000	5753.1918	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	--	--	17.7	MHz	INFO
T1 20dB	5725.000000	--	5736.1000	MHz	PASS
T2 20dB	--	5850.000000	5753.8000	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 15:10:53
Ambit temp [°C]   humidity [rel%]	26.6   37
System version	5.0.1.0
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-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

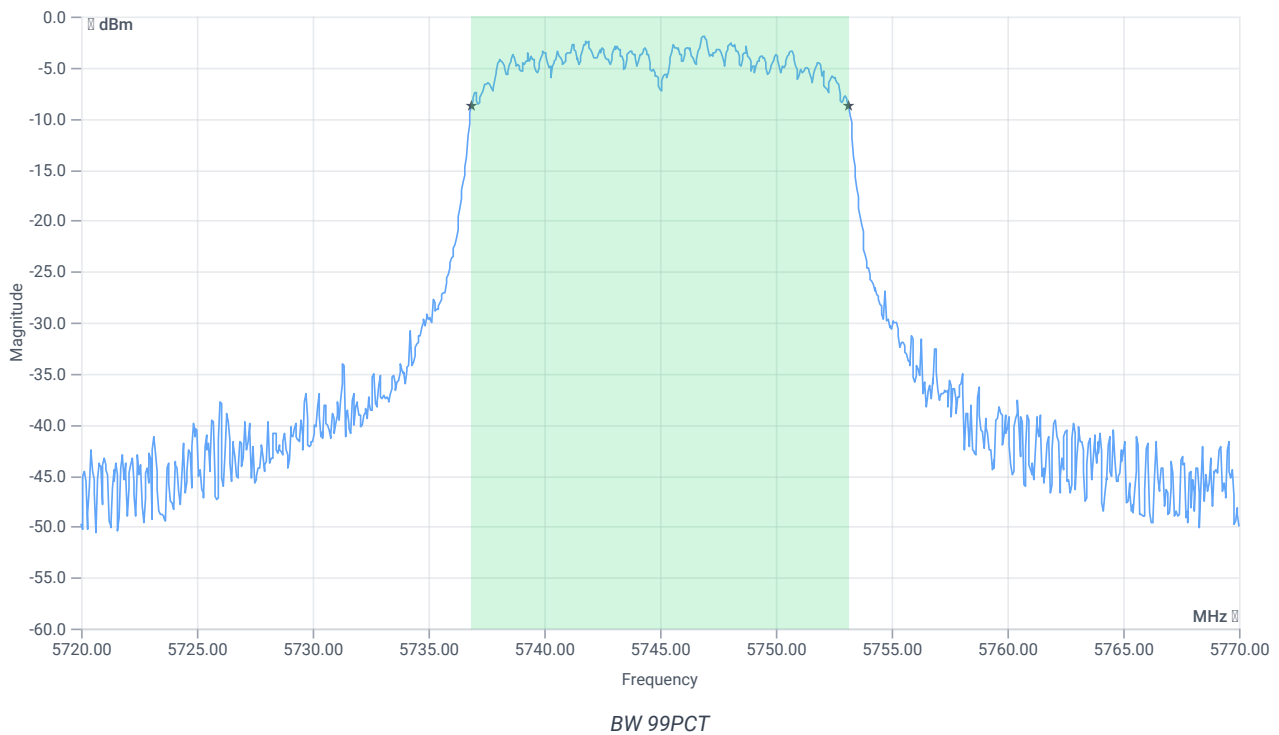
## Test at TX 5745 MHz

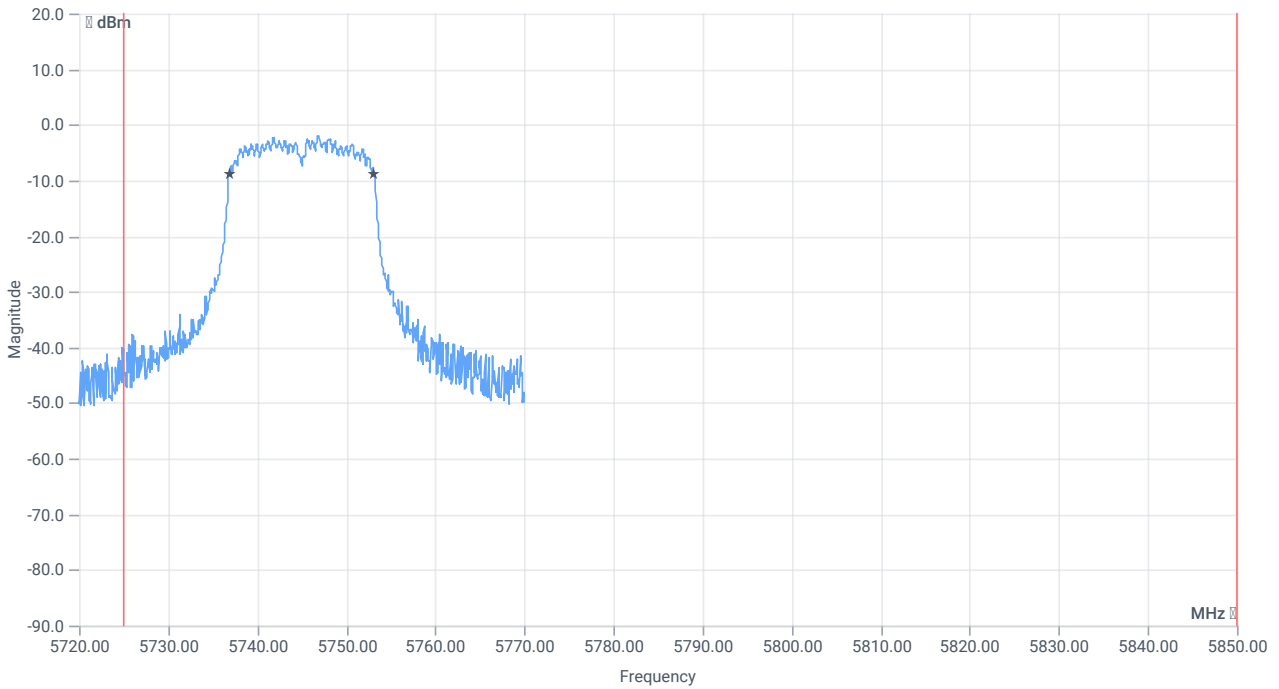
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.15	dBm	INFO
Ref. frequency	--	--	5750.390	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.15   10.36   15
Start [MHz]   Stop [MHz]	5720.000   5770.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

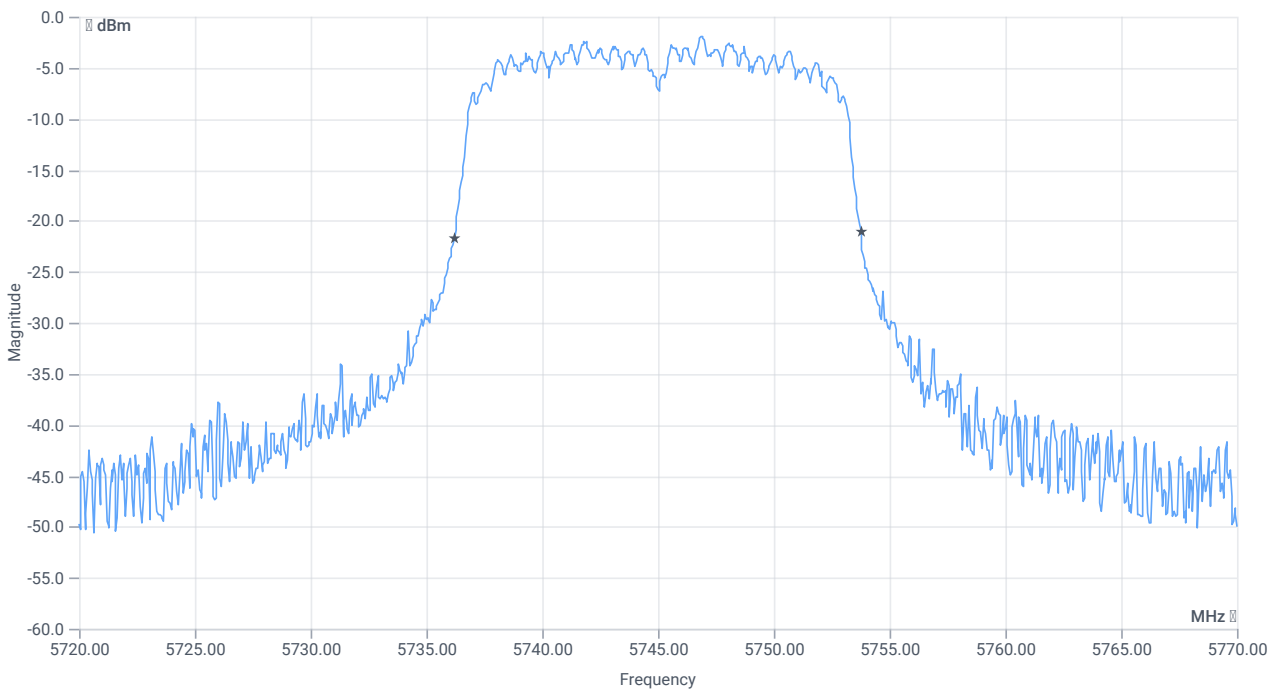




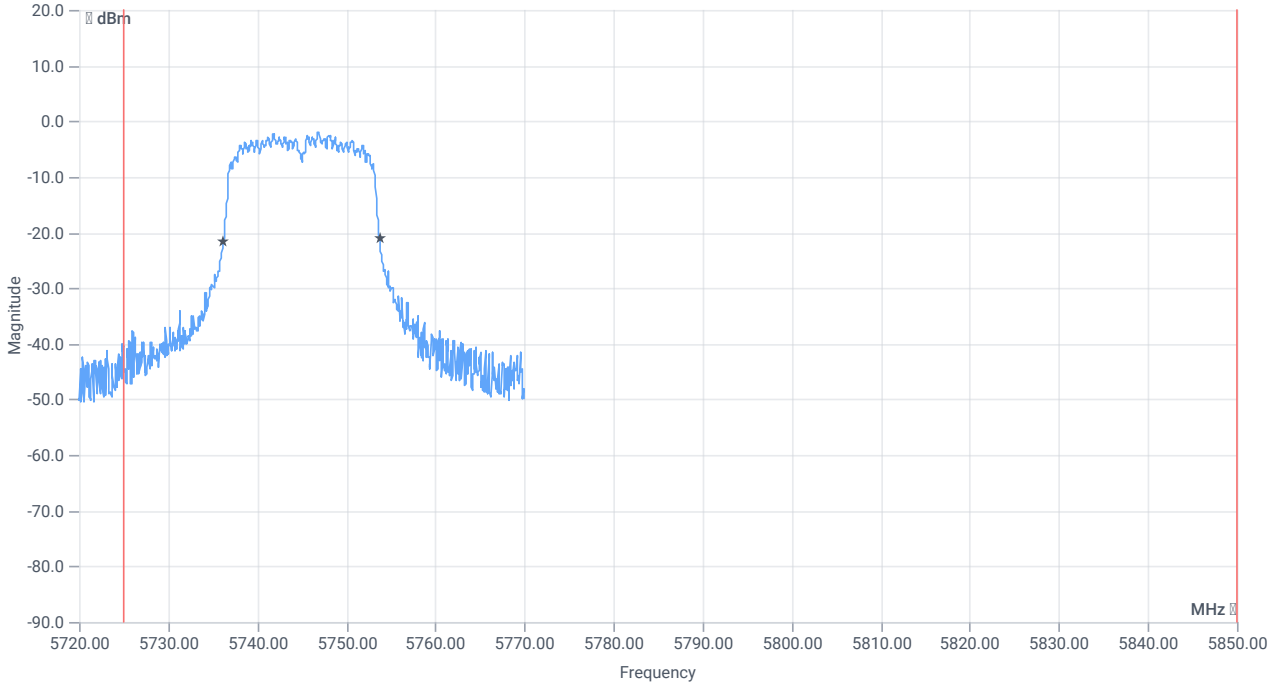
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5725.000000	--	5736.8581	MHz	PASS
T2 99%	--	5850.000000	5753.1419	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	17.55	MHz	INFO
T1 20dB	5725.000000	---	5736.2000	MHz	PASS
T2 20dB	---	5850.000000	5753.7500	MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 15:03:34
Ambit temp [°C]   humidity [rel%]	26.5   37
System version	5.0.1.0
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-1
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	True   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

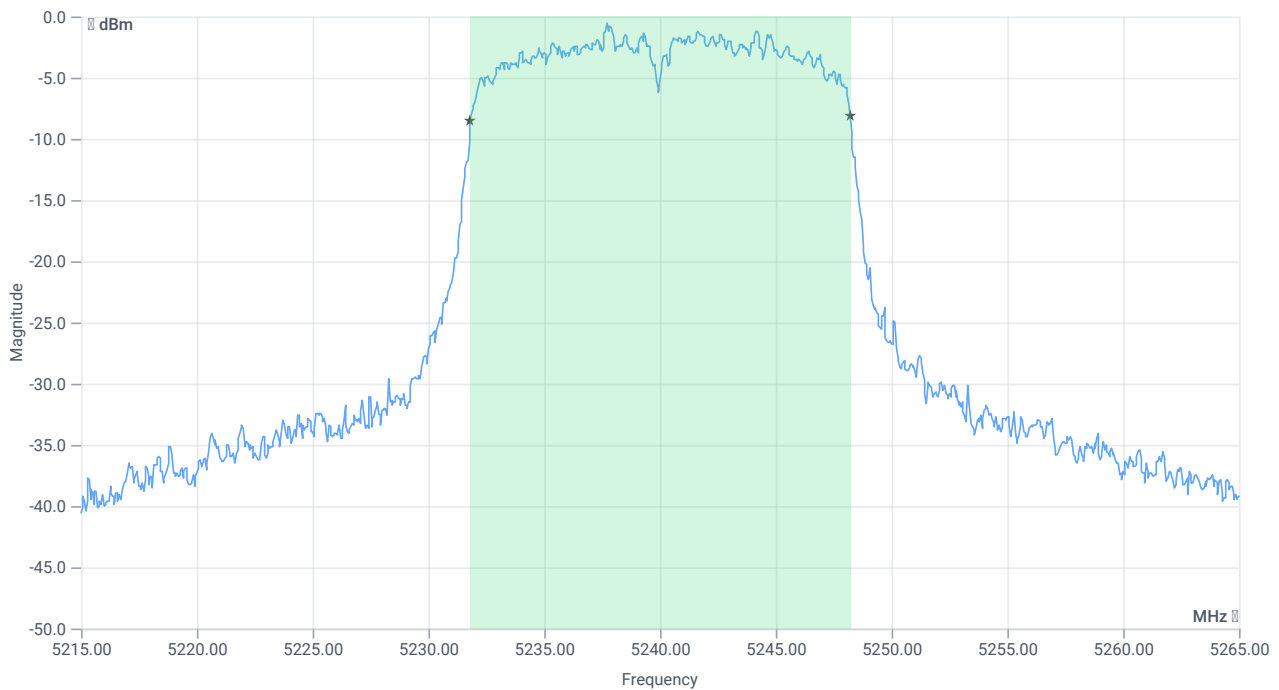
## Test at TX 5240 MHz

RESULT: Reference power cond.

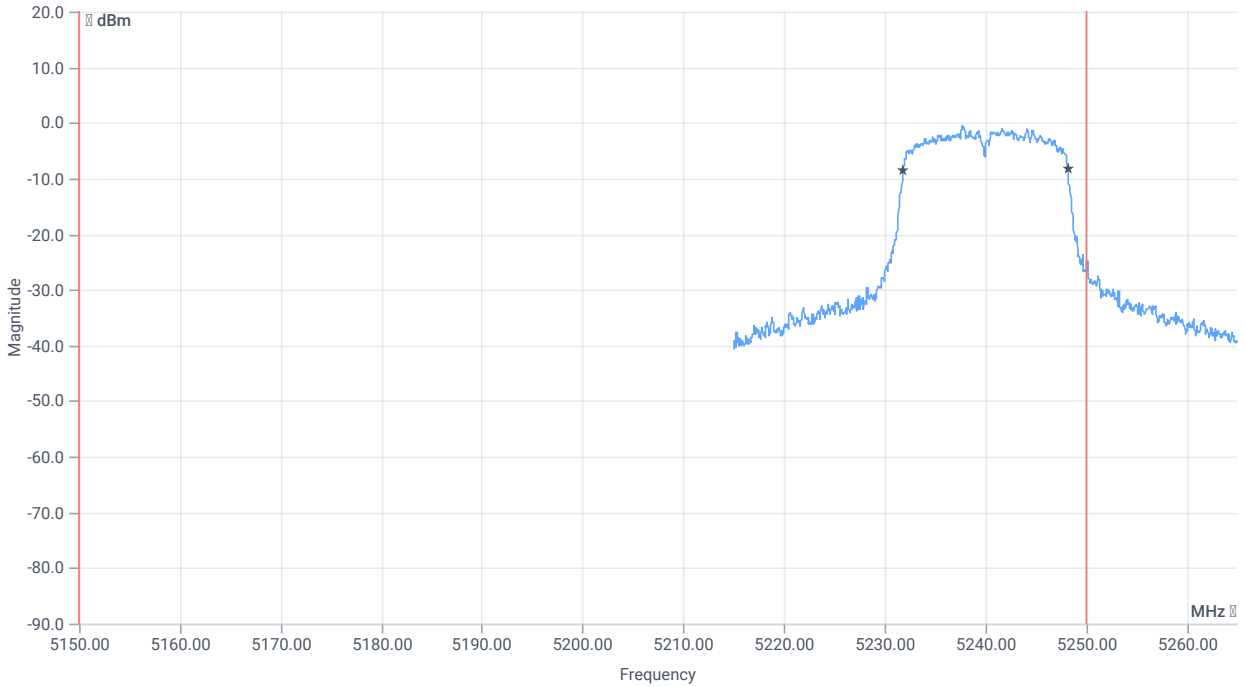
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	4.19	dBm	INFO
Ref. frequency	--	--	5238.000	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	12.19   9.93   20
Start [MHz]   Stop [MHz]	5215.000   5265.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



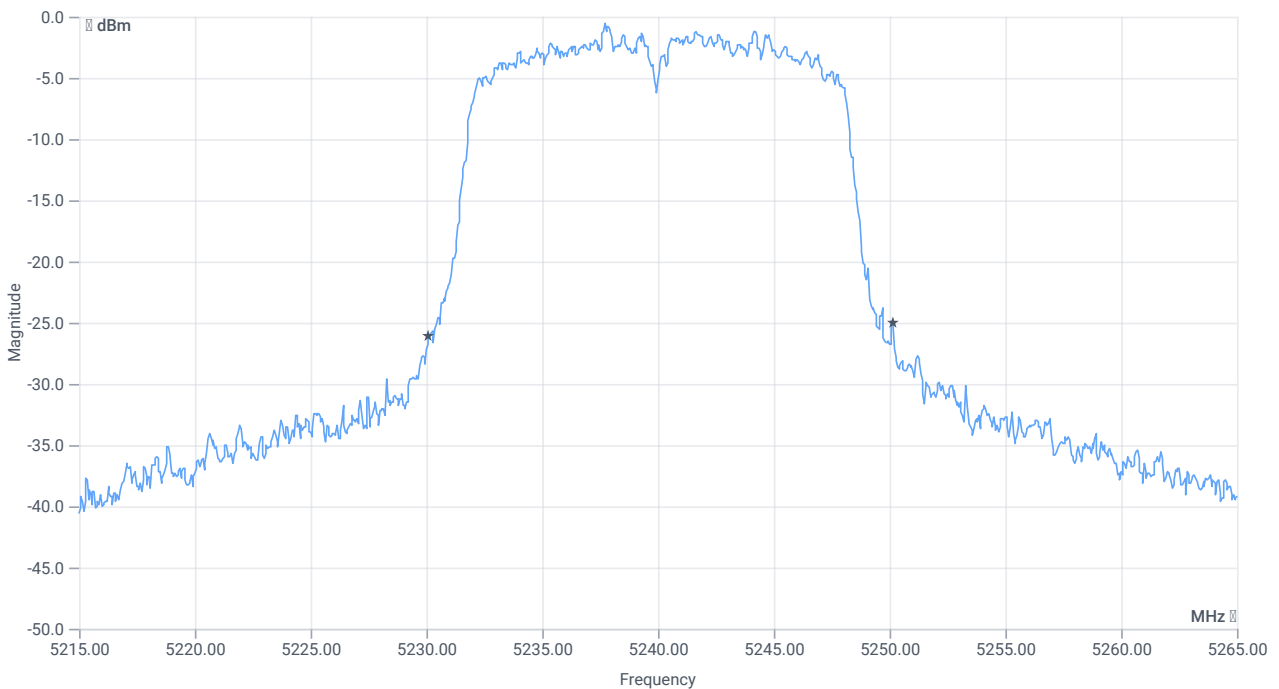




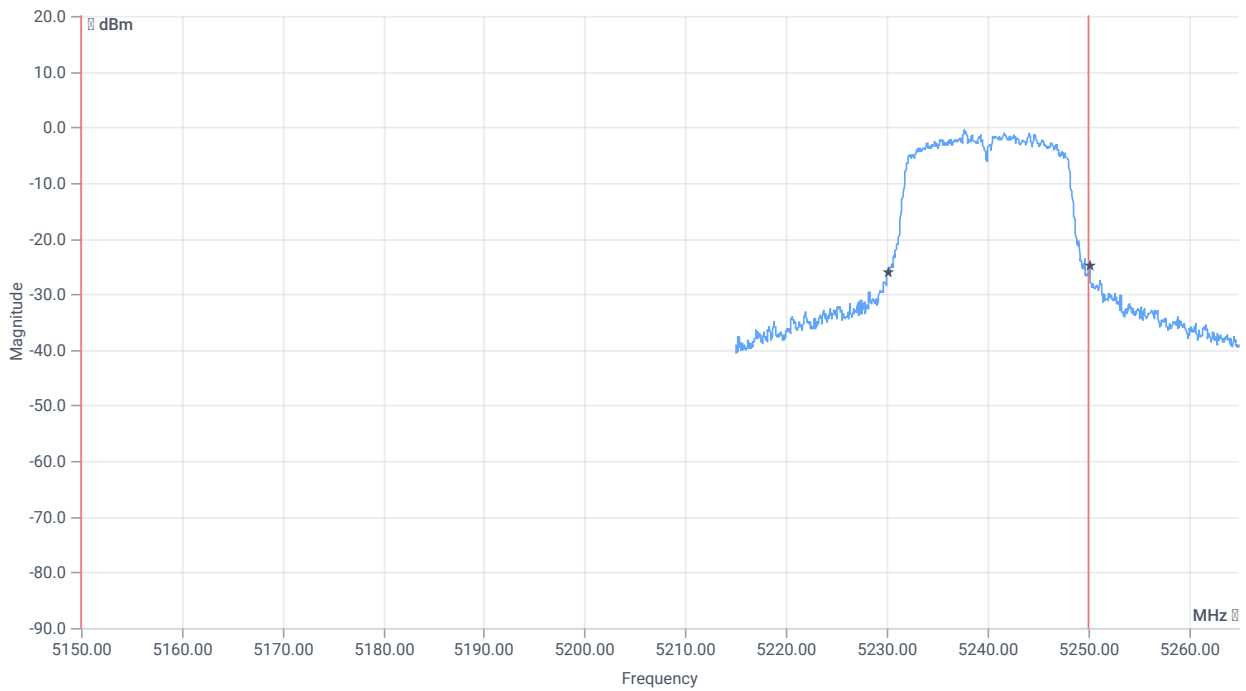
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.384	MHz	INFO
T1 99%	5150.000000	--	5231.8082	MHz	PASS
T2 99%	--	5250.000000	5248.1918	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.05	MHz	INFO
T1 26dB	5150.000000	---	5230.1000	MHz	PASS
T2 26dB	---	5250.000000	5250.1500	MHz	DFS required

Verdict

PASS

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

## References

TC start	26.01.2024 14:59:37
Ambit temp [°C]   humidity [rel%]	26.5   37
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	True   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

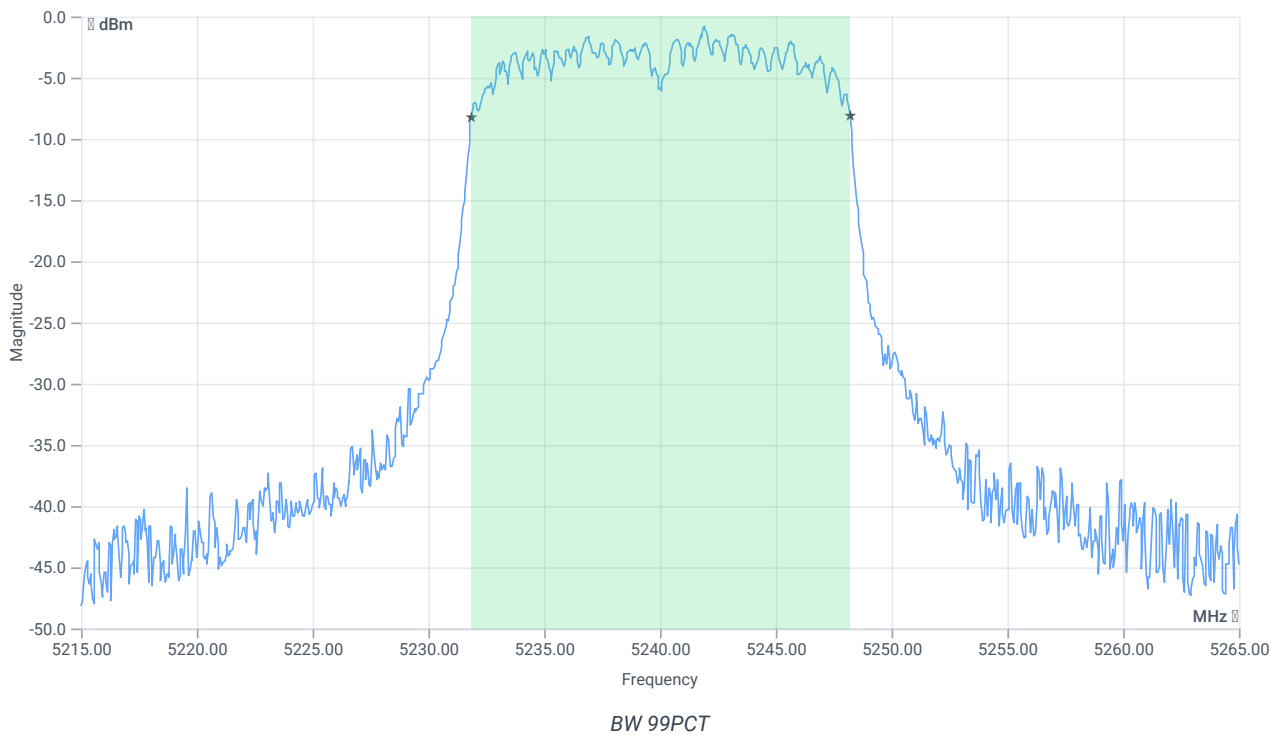
## Test at TX 5240 MHz

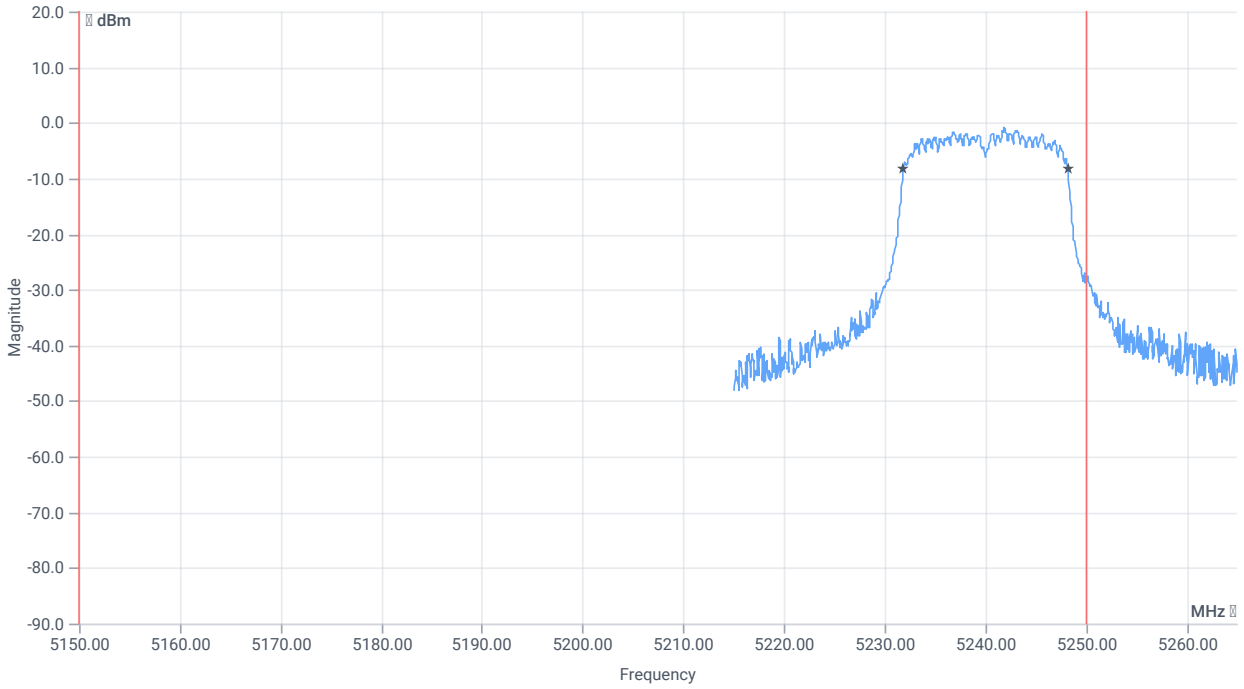
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.44	dBm	INFO
Ref. frequency	--	--	5245.590	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.44   9.92   20
Start [MHz]   Stop [MHz]	5215.000   5265.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

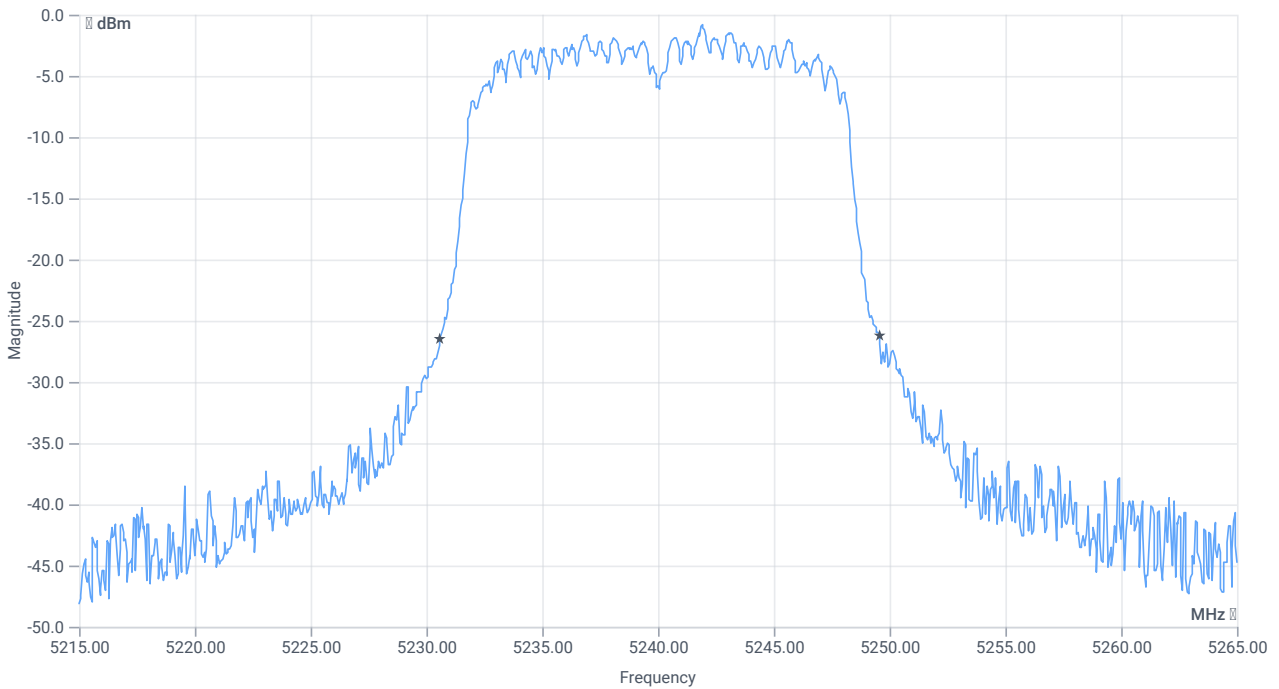




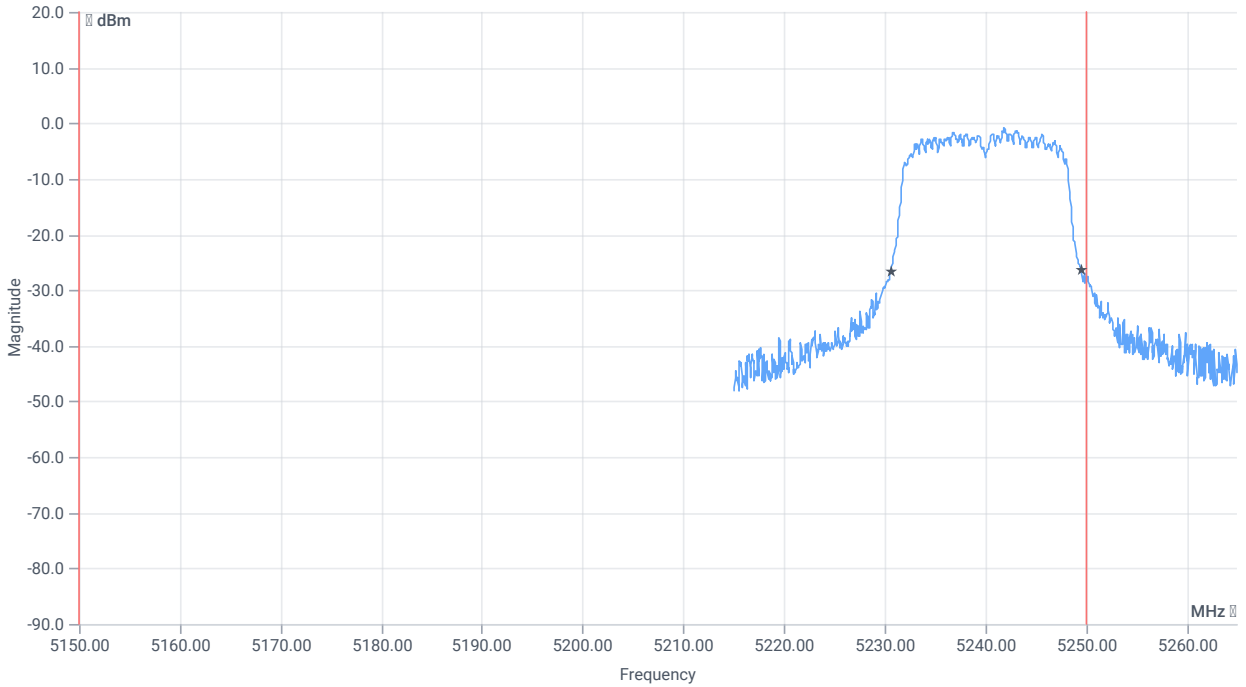
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5150.000000	--	5231.8581	MHz	PASS
T2 99%	--	5250.000000	5248.1918	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	18.95	MHz	INFO
T1 26dB	5150.000000	---	5230.6000	MHz	PASS
T2 26dB	---	5250.000000	5249.5500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 14:54:25
Ambit temp [°C]   humidity [rel%]	26.4   37
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	True   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

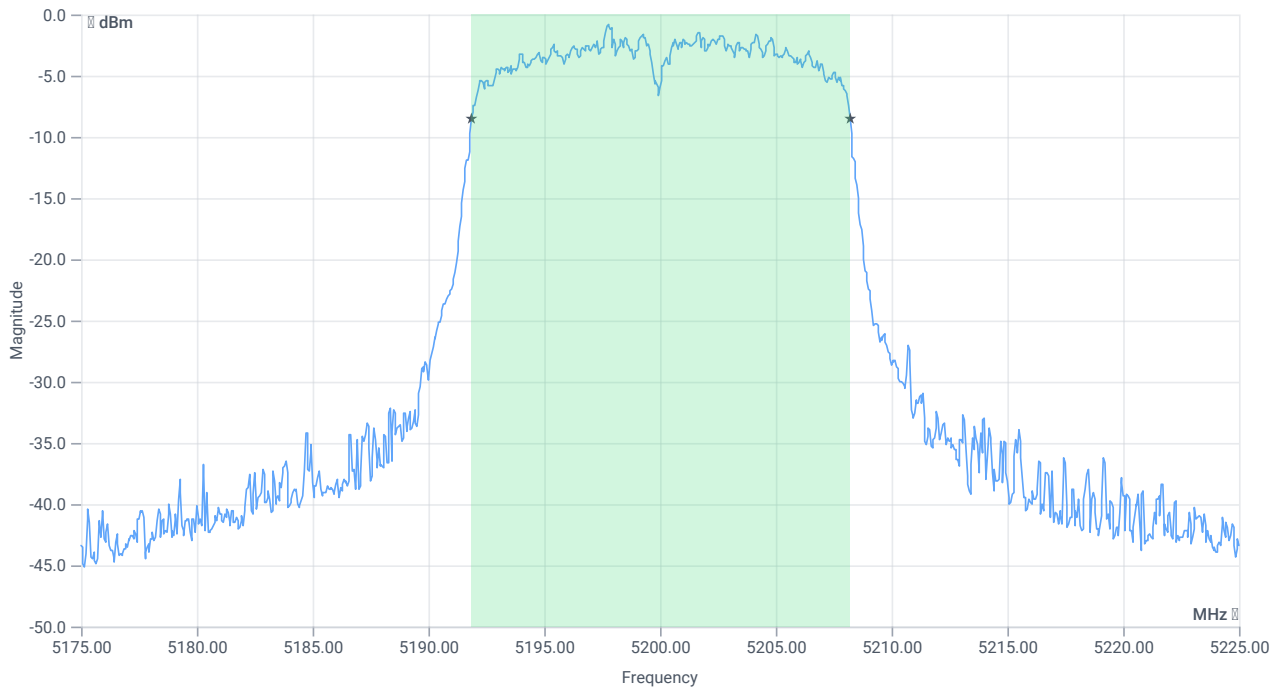
## Test at TX 5200 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.31	dBm	INFO
Ref. frequency	--	--	5196.600	MHz	INFO

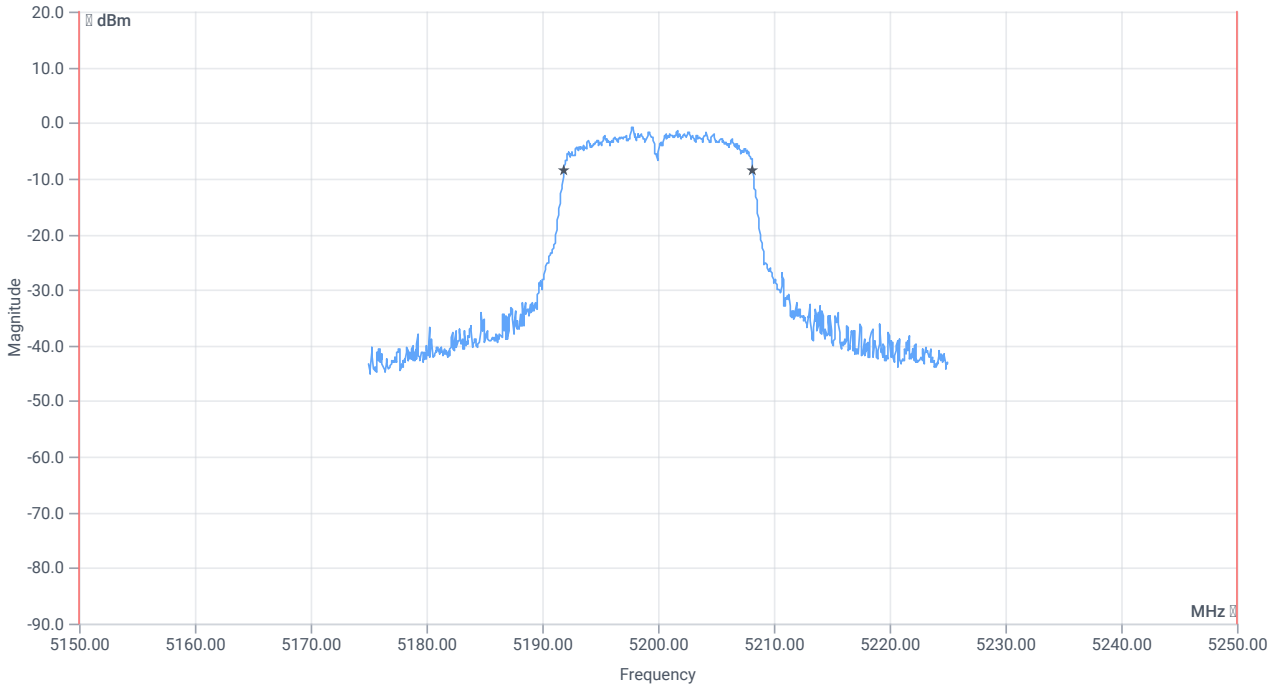
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.31   10.08   20
Start [MHz]   Stop [MHz]	5175.000   5225.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



BW 99PCT

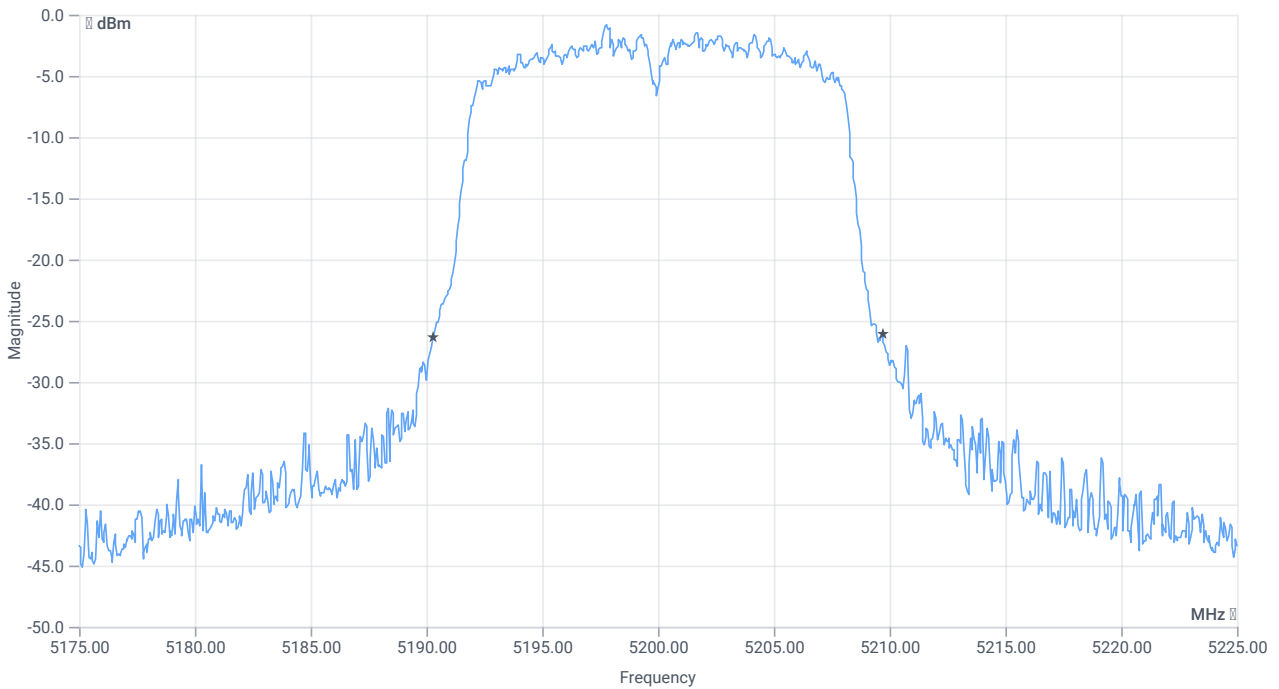




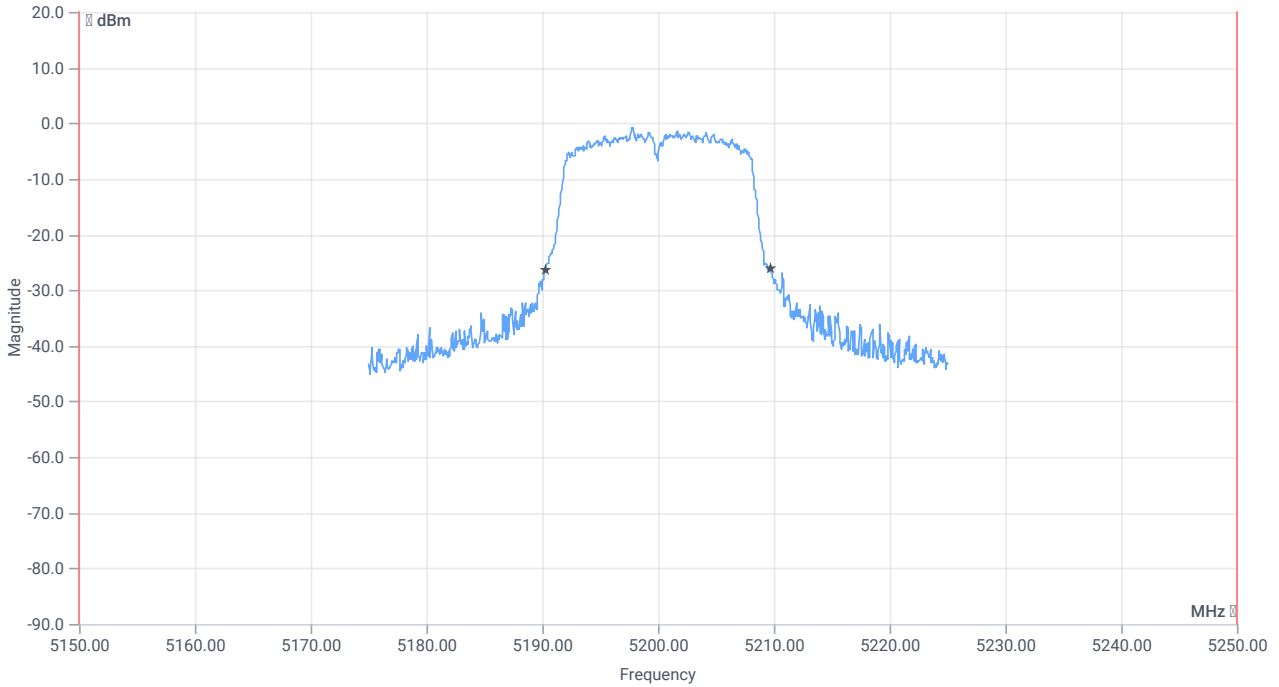
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5150.000000	--	5191.8581	MHz	PASS
T2 99%	--	5250.000000	5208.1918	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.45	MHz	INFO
T1 26dB	5150.000000	---	5190.2500	MHz	PASS
T2 26dB	---	5250.000000	5209.7000	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 14:50:18
Ambit temp [°C]   humidity [rel%]	26.4   37
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5180
Frequency mid to test	True   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

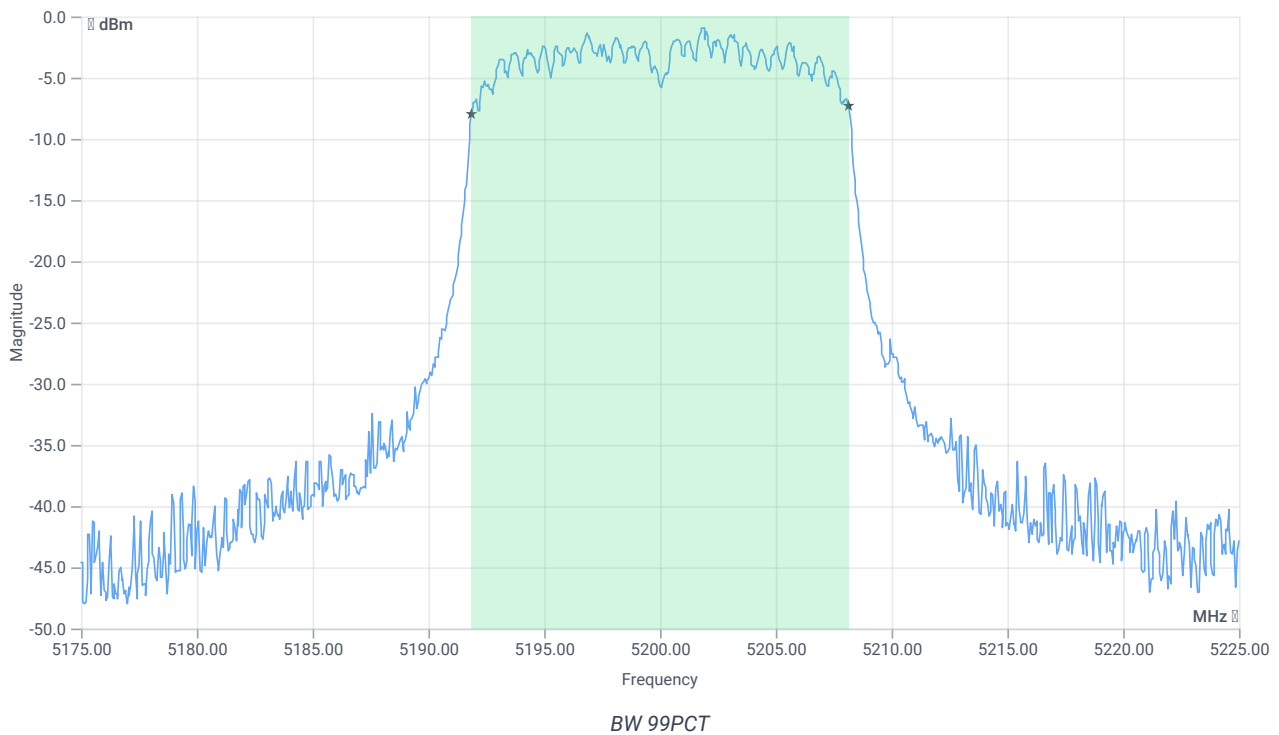
## Test at TX 5200 MHz

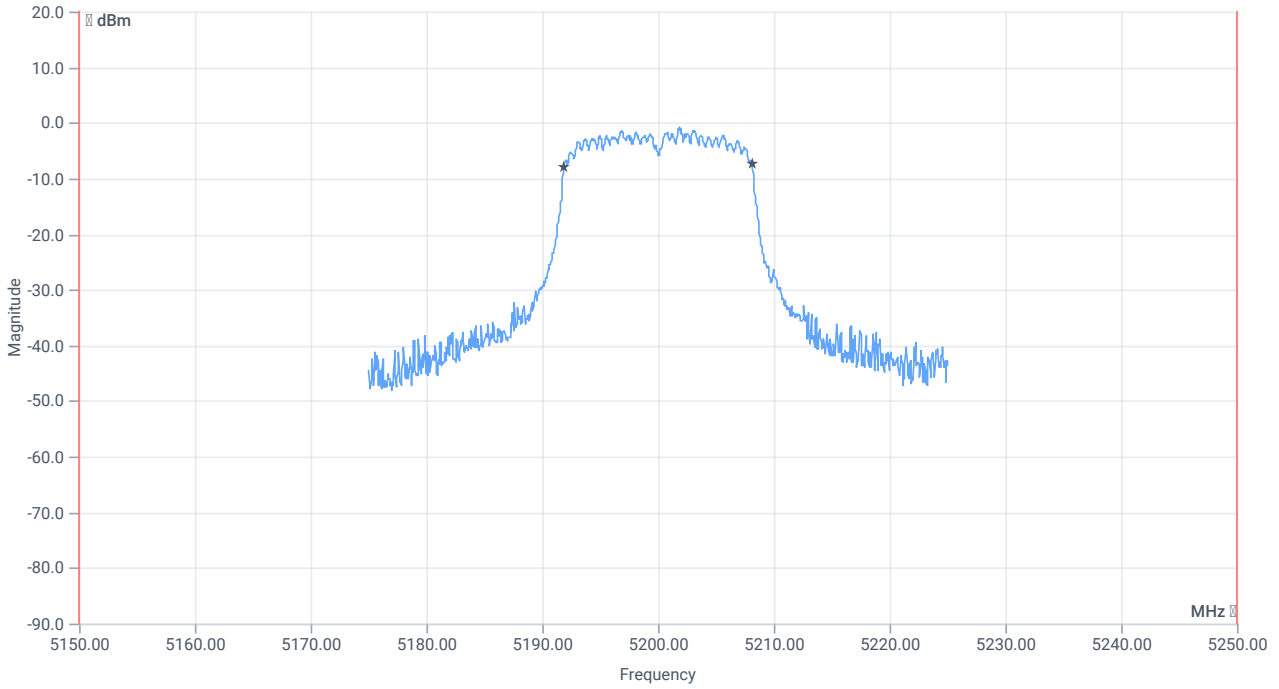
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.68	dBm	INFO
Ref. frequency	--	--	5196.400	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.68   10.05   20
Start [MHz]   Stop [MHz]	5175.000   5225.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

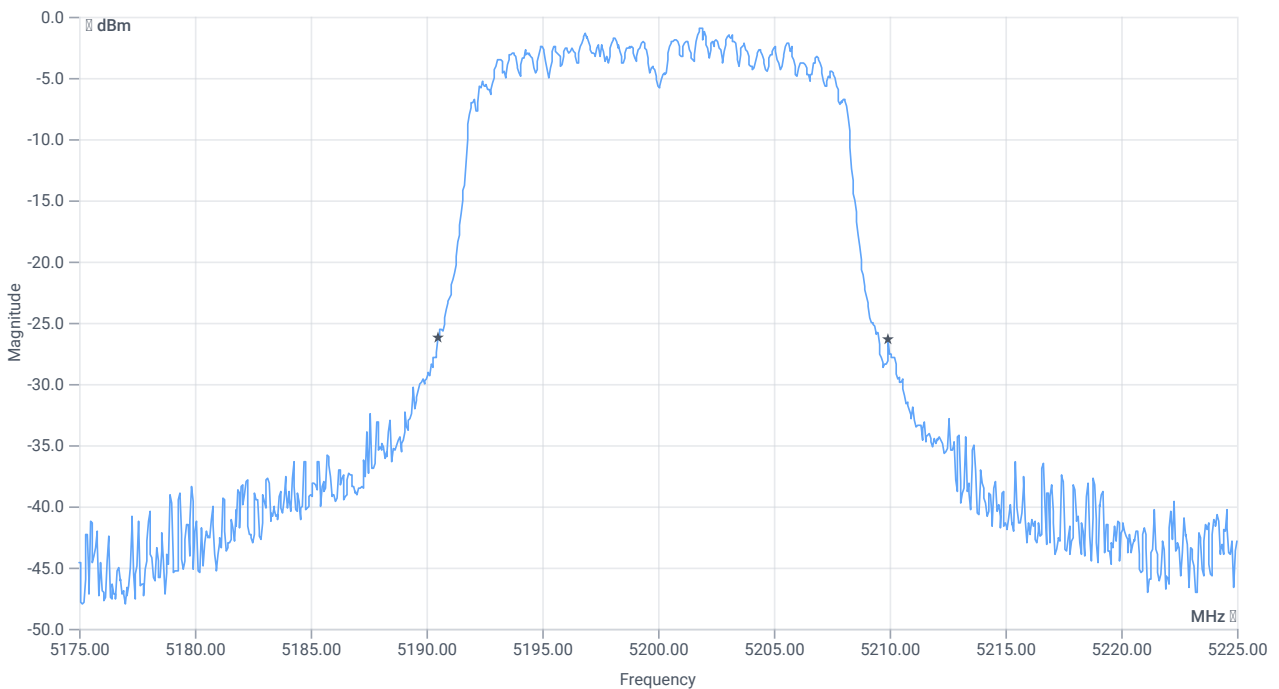




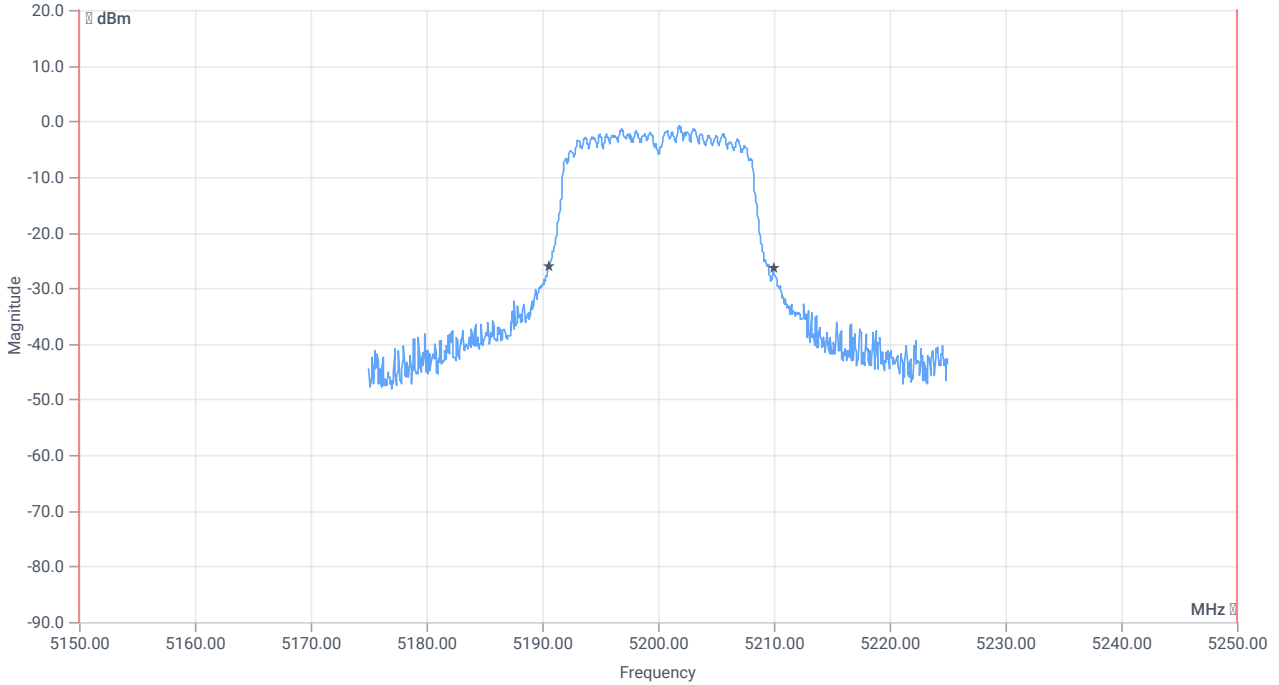
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.284	MHz	INFO
T1 99%	5150.000000	--	5191.8581	MHz	PASS
T2 99%	--	5250.000000	5208.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	19.45	MHz	INFO
T1 26dB	5150.000000	---	5190.5000	MHz	PASS
T2 26dB	---	5250.000000	5209.9500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 14:43:00
Ambit temp [°C]   humidity [rel%]	26.3   37
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

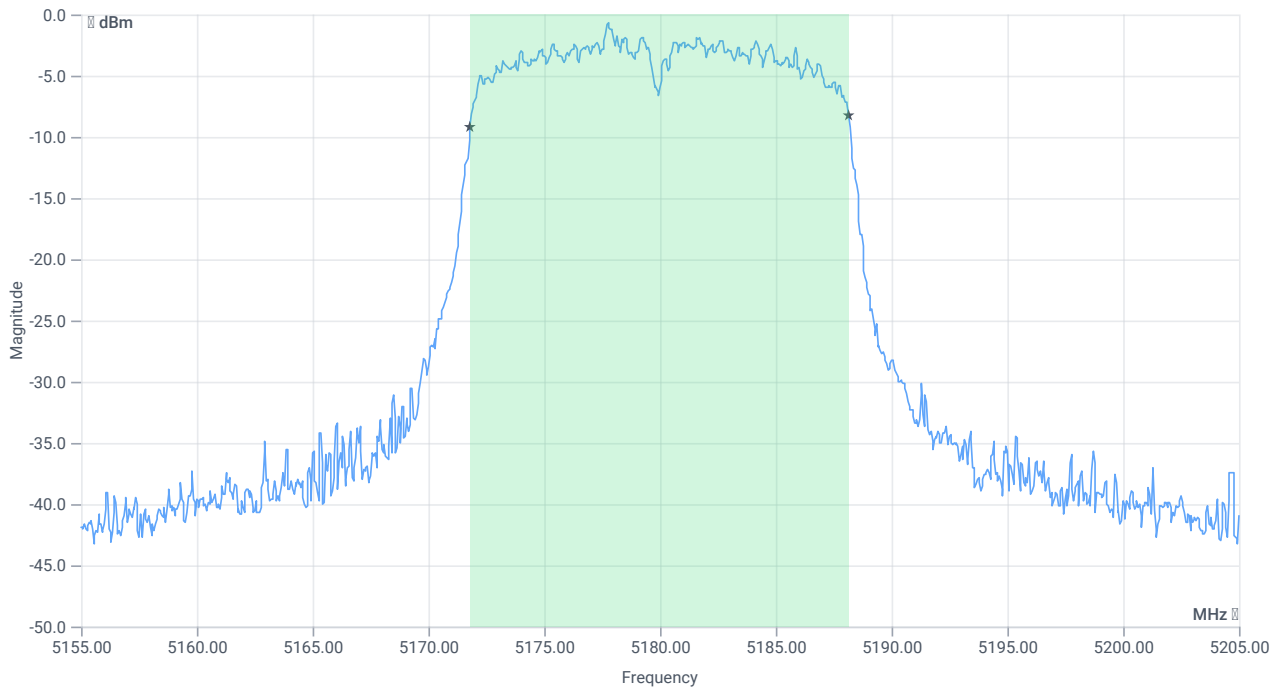
## Test at TX 5180 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.08	dBm	INFO
Ref. frequency	--	--	5183.200	MHz	INFO

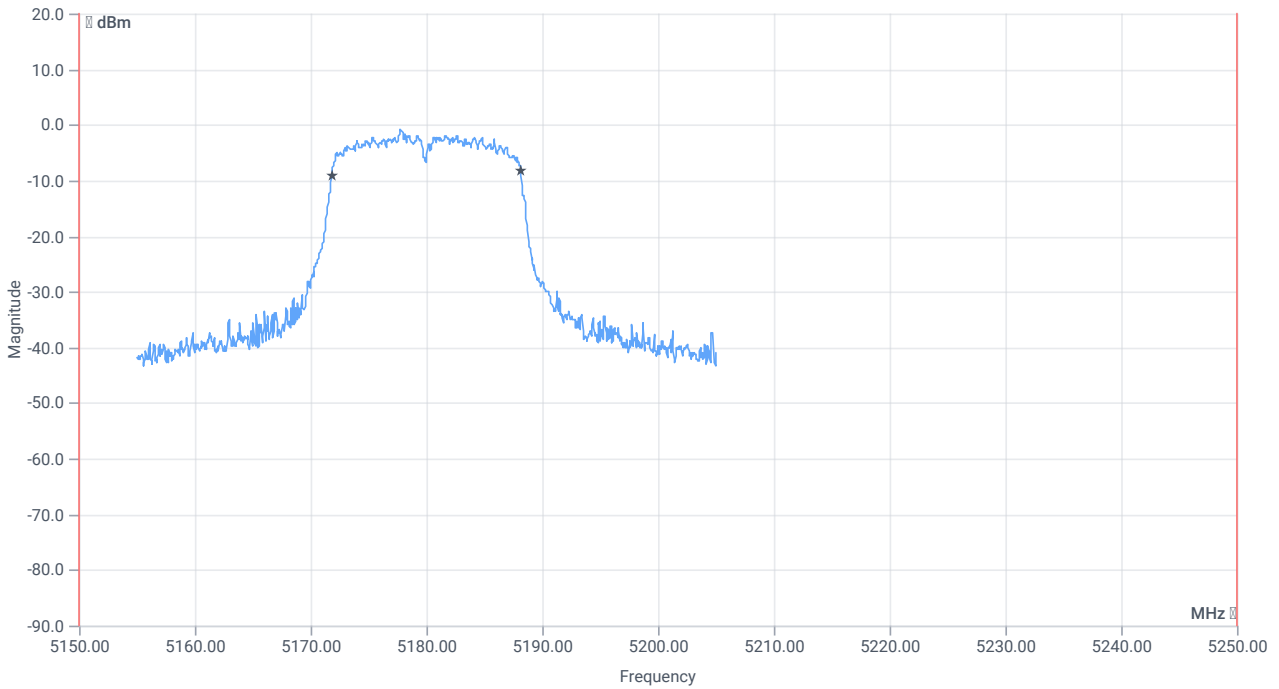
### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	11.08   10.01   20
Start [MHz]   Stop [MHz]	5155.000   5205.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



BW 99PCT

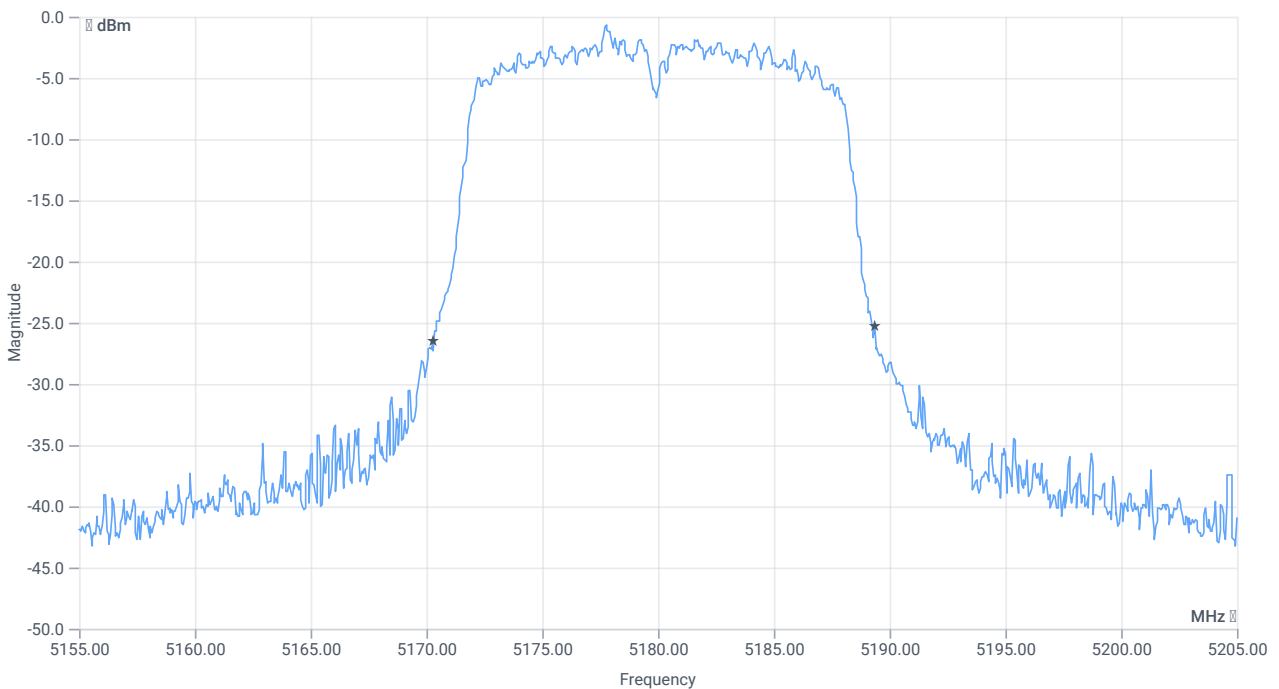




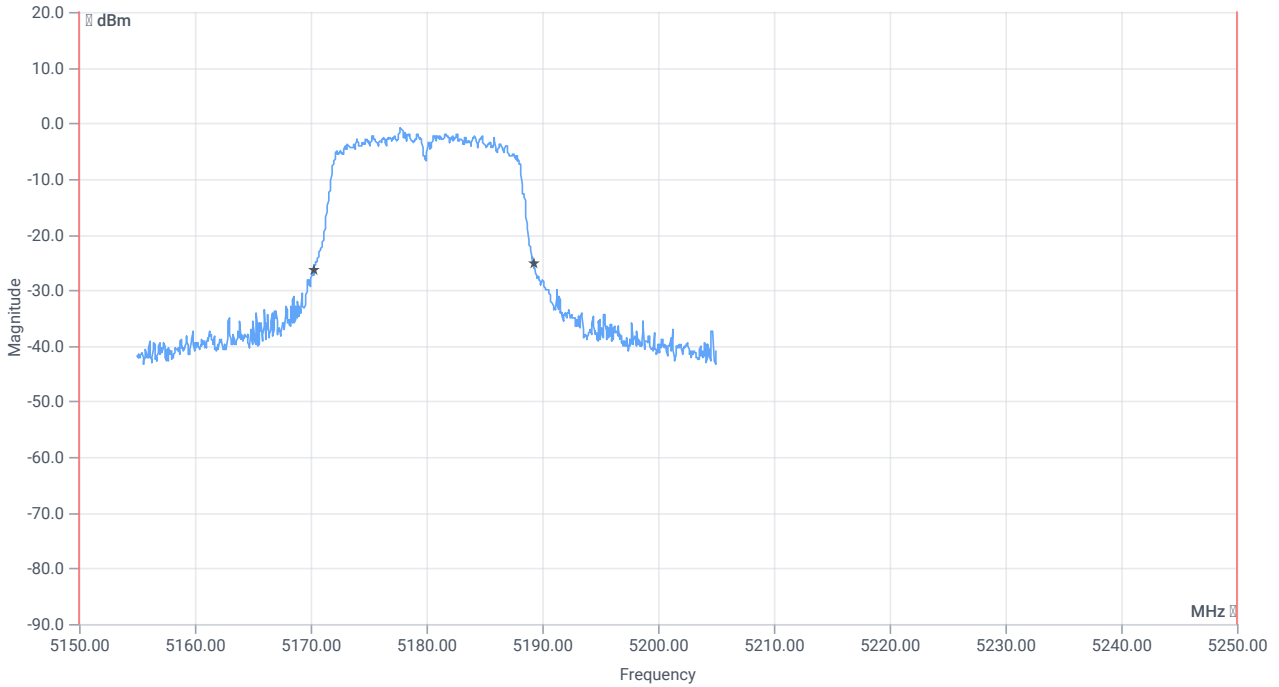
*BW within band 99PCT*

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5150.000000	--	5171.8082	MHz	PASS
T2 99%	--	5250.000000	5188.1419	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	19.1	MHz	INFO
T1 26dB	5150.000000	--	5170.2500	MHz	PASS
T2 26dB	--	5250.000000	5189.3500	MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 14:38:47
Ambit temp [°C]   humidity [rel%]	26.3   37
System version	5.0.1.0
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-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5180
Frequency mid to test	False   Freq [MHz] 5200
Frequency high to test	False   Freq [MHz] 5240
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

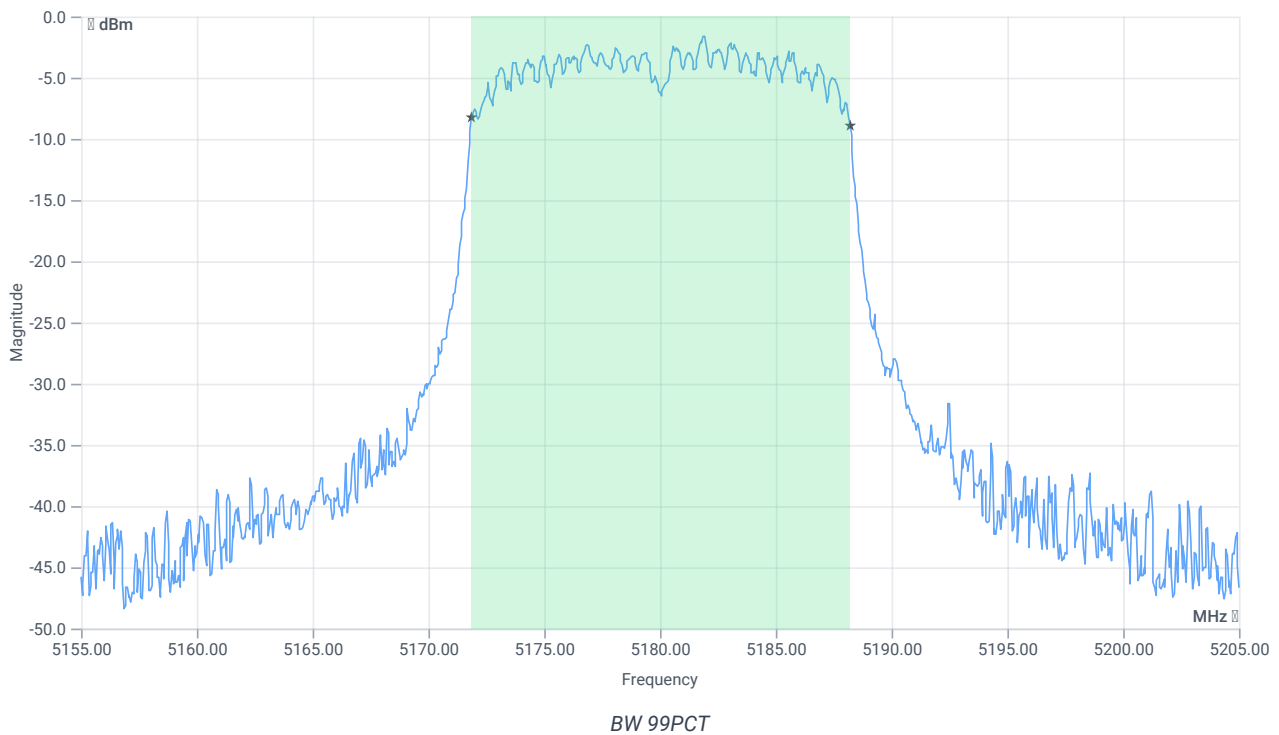
## Test at TX 5180 MHz

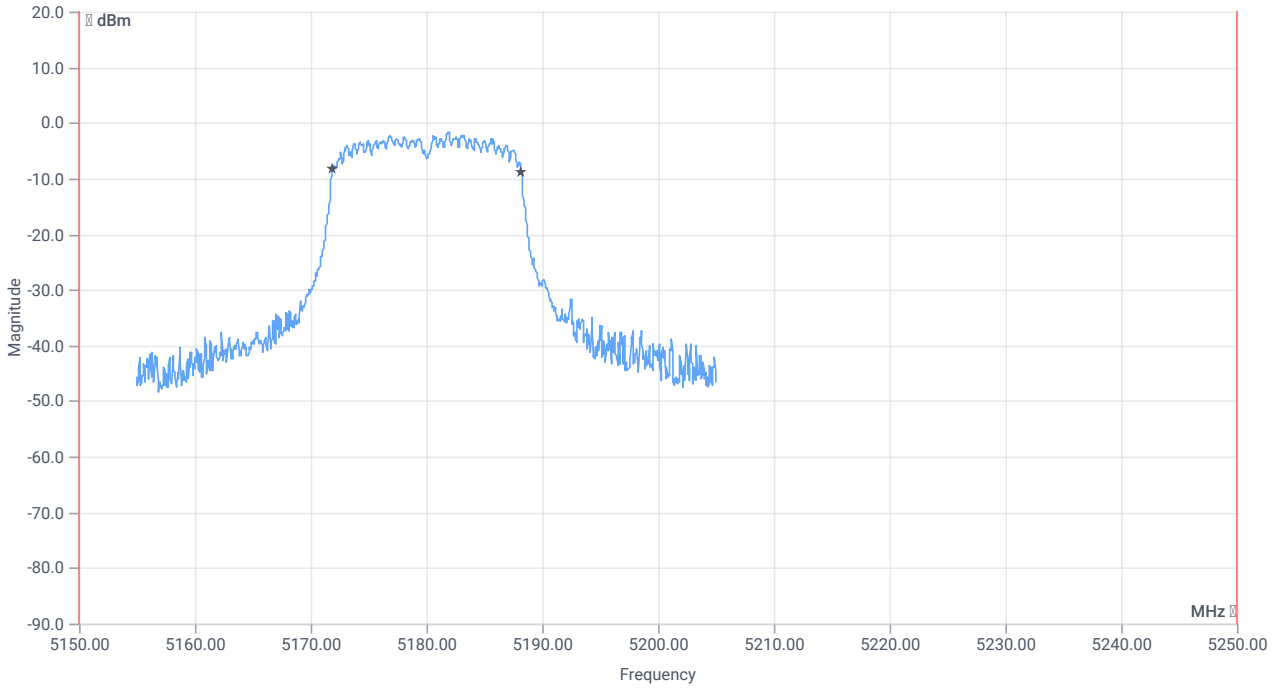
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.01	dBm	INFO
Ref. frequency	--	--	5182.800	MHz	INFO

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.01   9.99   20
Start [MHz]   Stop [MHz]	5155.000   5205.000
RBW [MHz]   VBW [MHz]	0.300000   1.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE

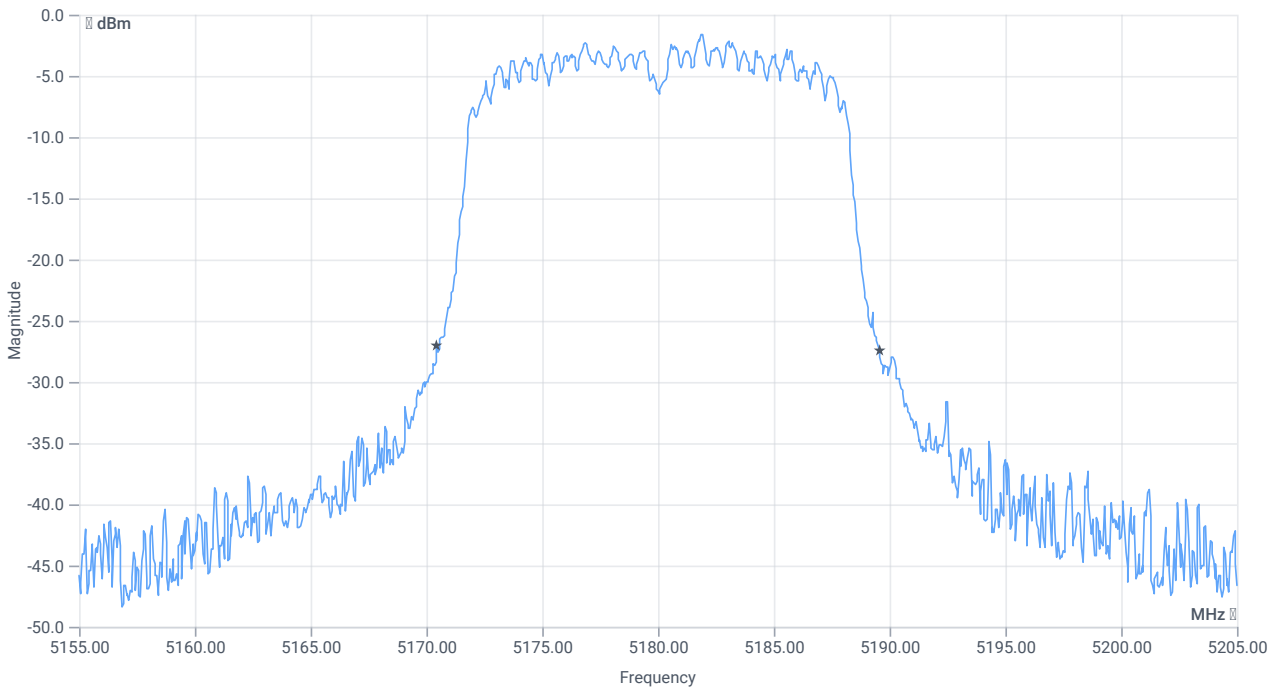




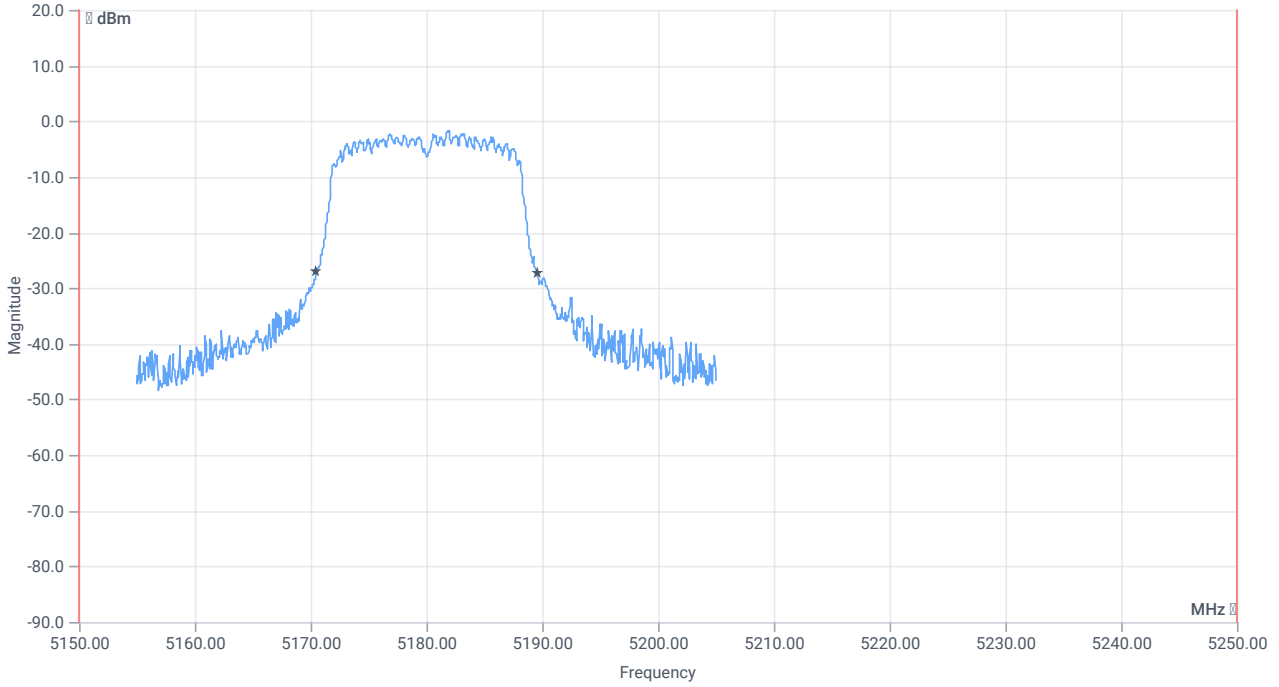
BW within band 99PCT

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	--	--	16.334	MHz	INFO
T1 99%	5150.000000	--	5171.8581	MHz	PASS
T2 99%	--	5250.000000	5188.1918	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	--	--	19.1	MHz	INFO
T1 26dB	5150.000000	--	5170.4500	MHz	PASS
T2 26dB	--	5250.000000	5189.5500	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 14:30:56
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

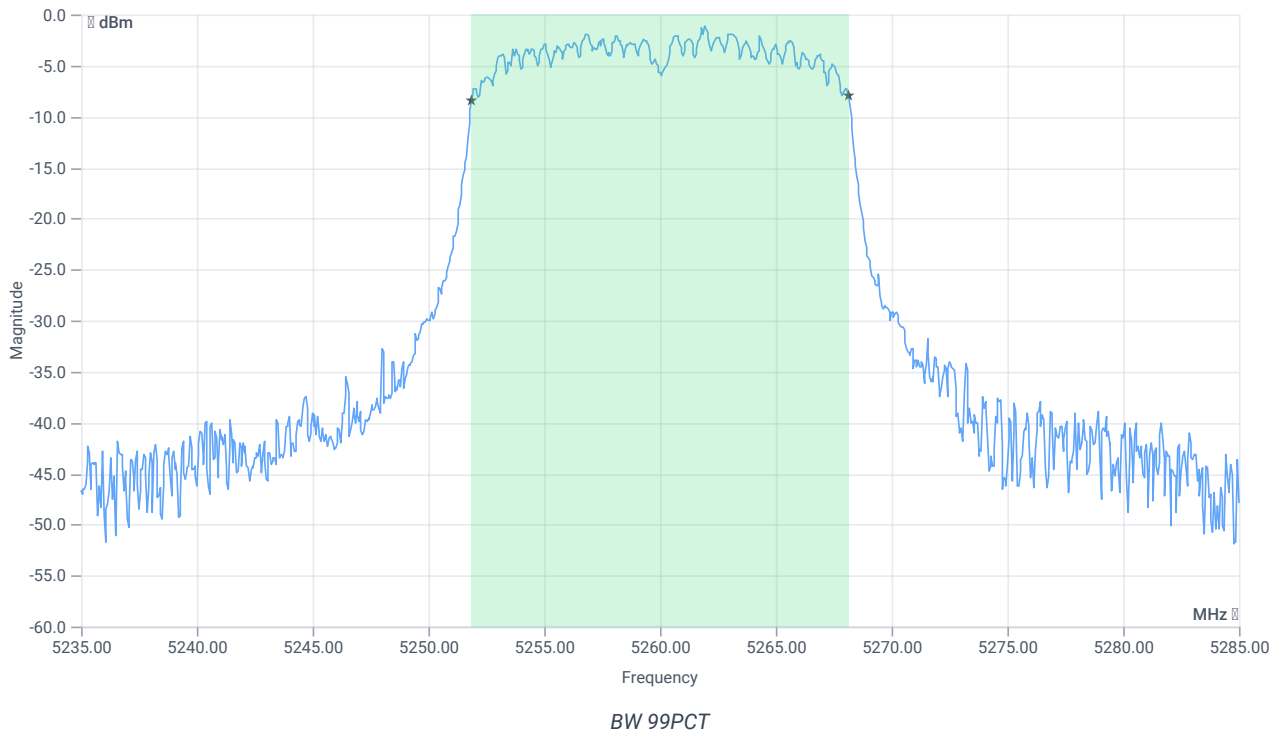
## Test at TX 5260 MHz

RESULT: Reference power cond.

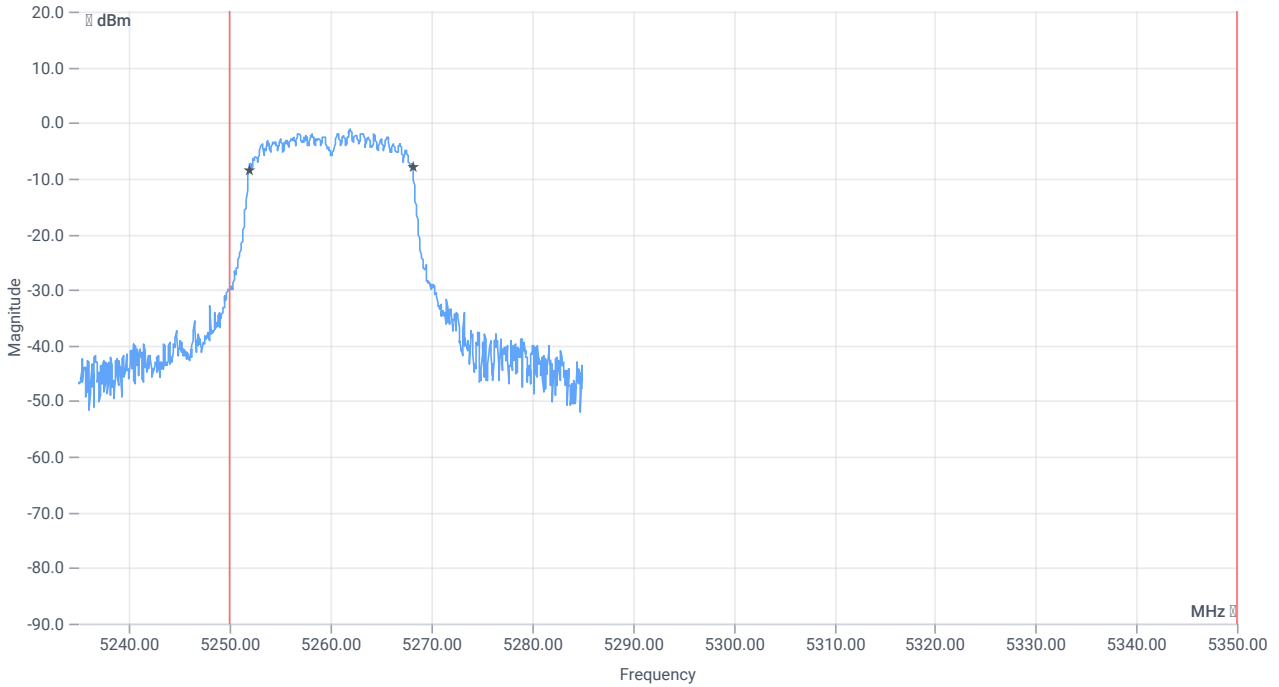
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.78	dBm	INFO
Ref. frequency	--	--	5262.200	MHz	INFO

### 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



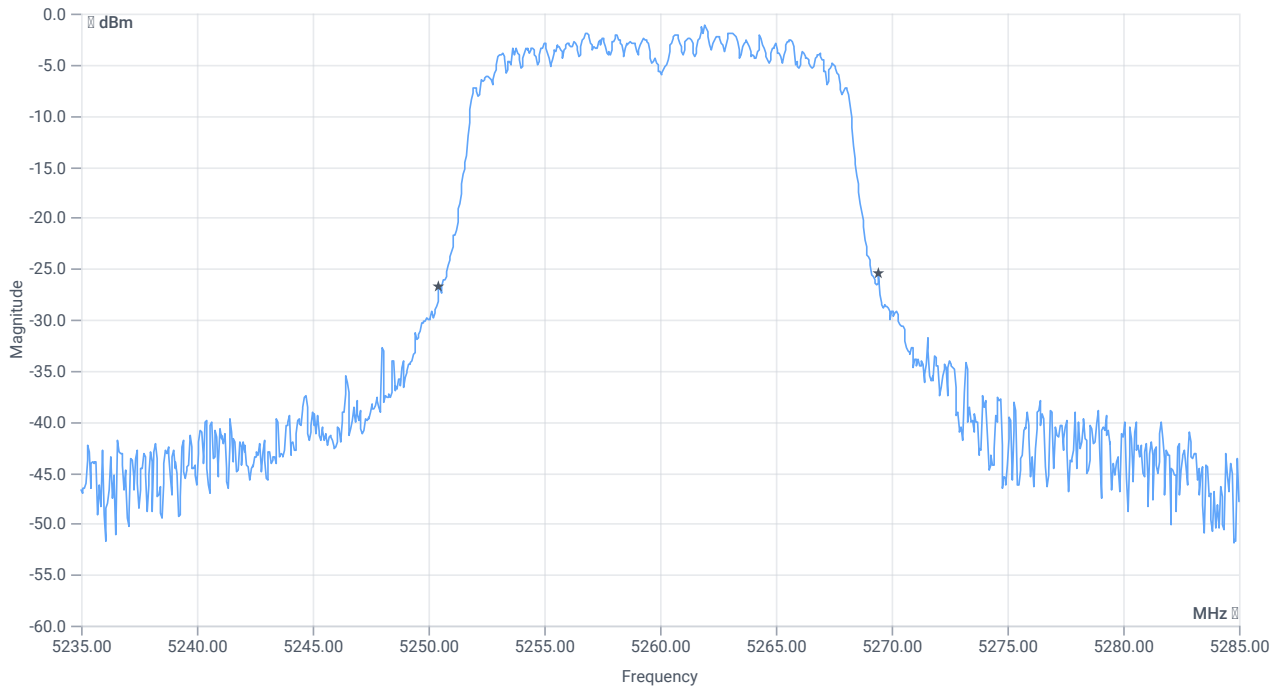




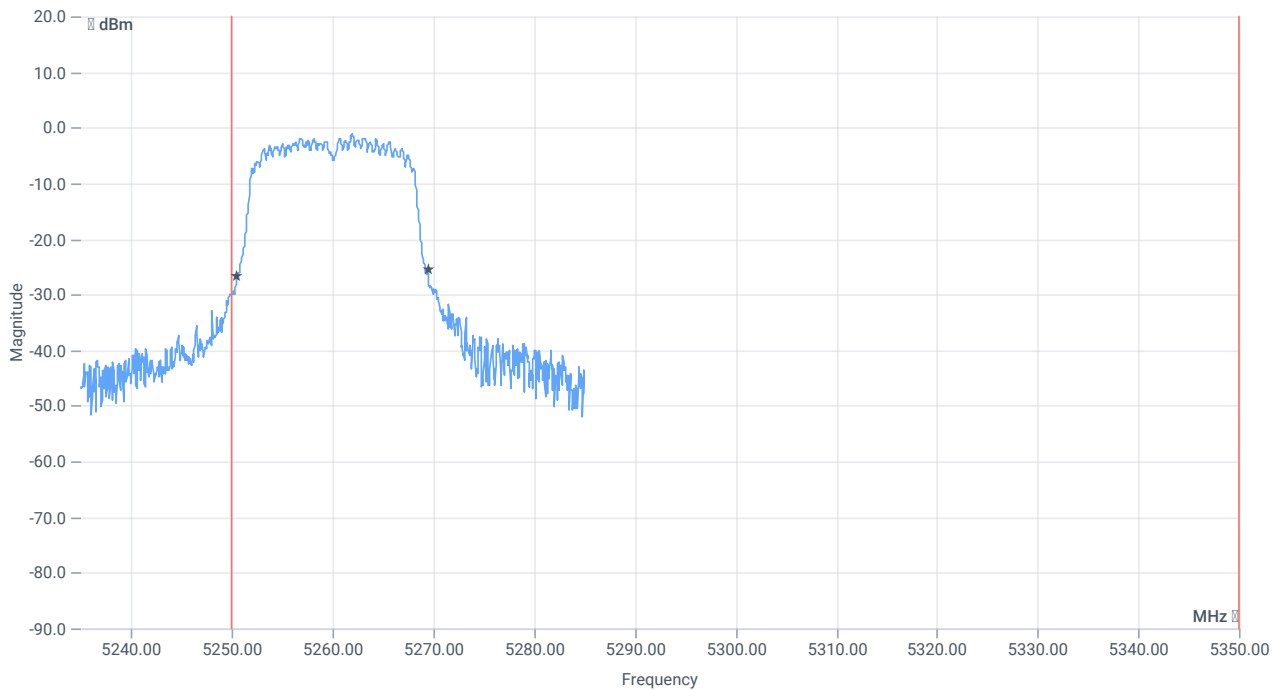
BW within band 99PCT

## 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

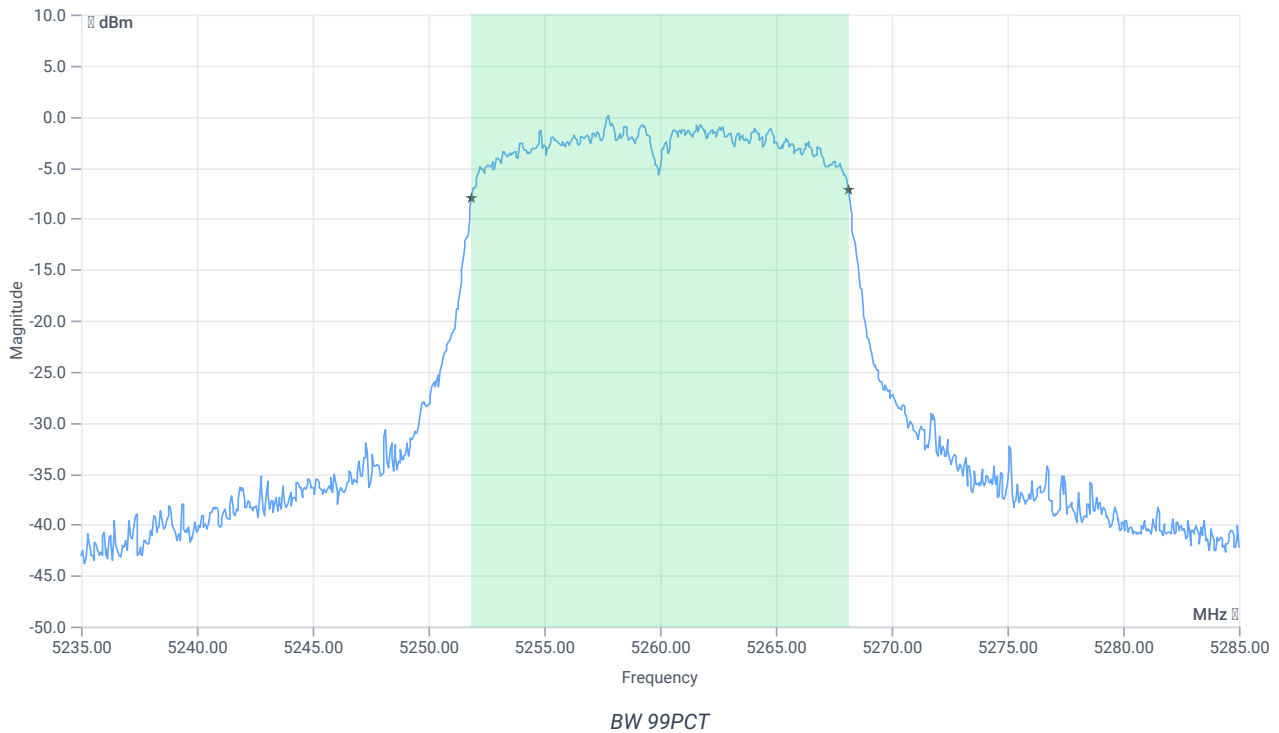
## Test at TX 5260 MHz

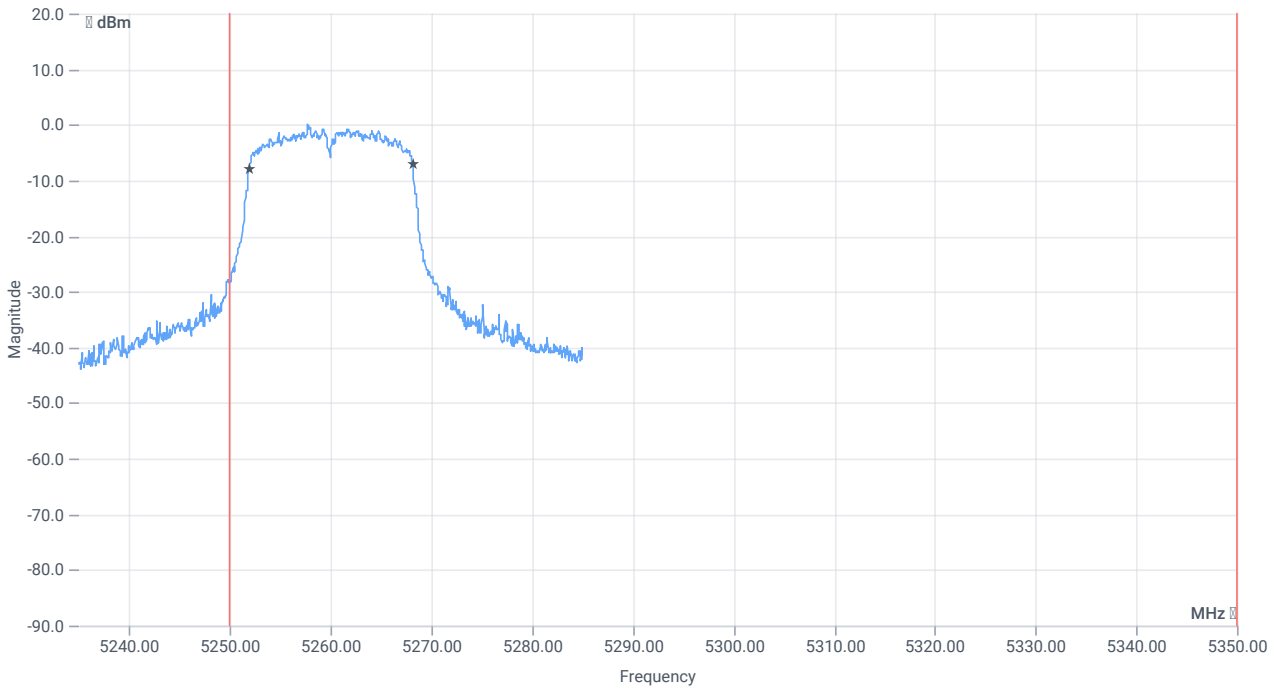
RESULT: Reference power cond.

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

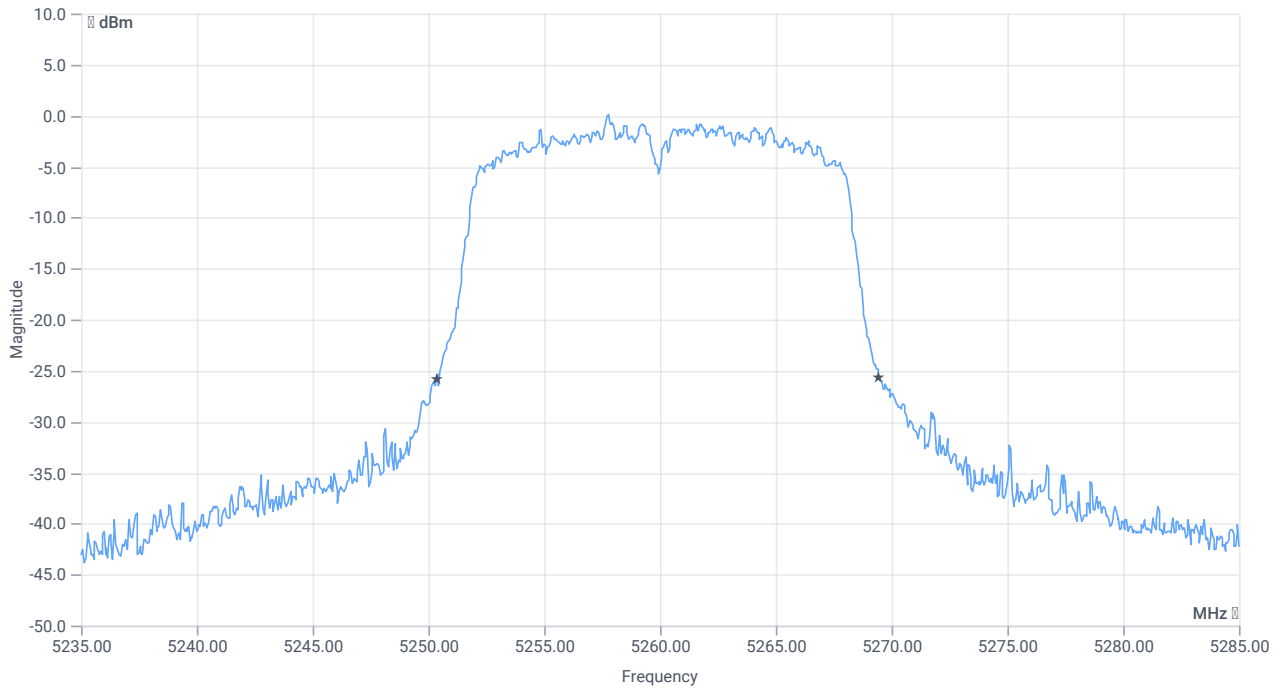




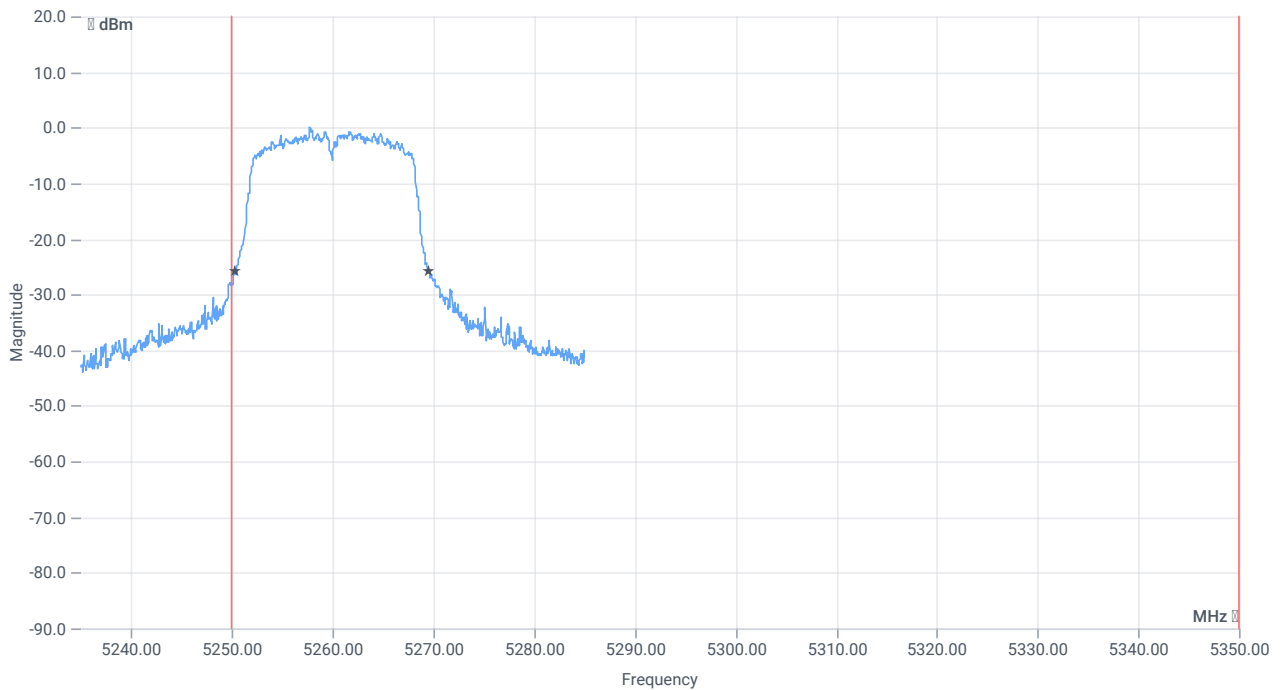
BW within band 99PCT

**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

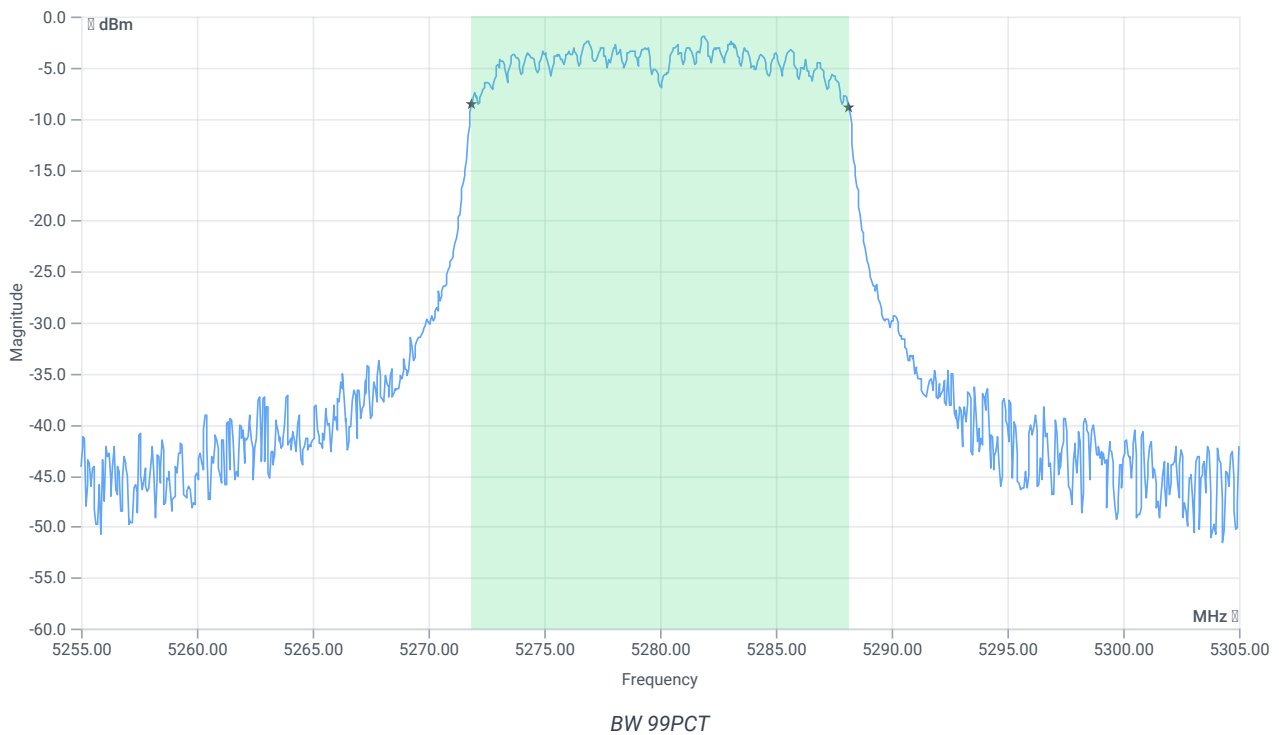
## Test at TX 5280 MHz

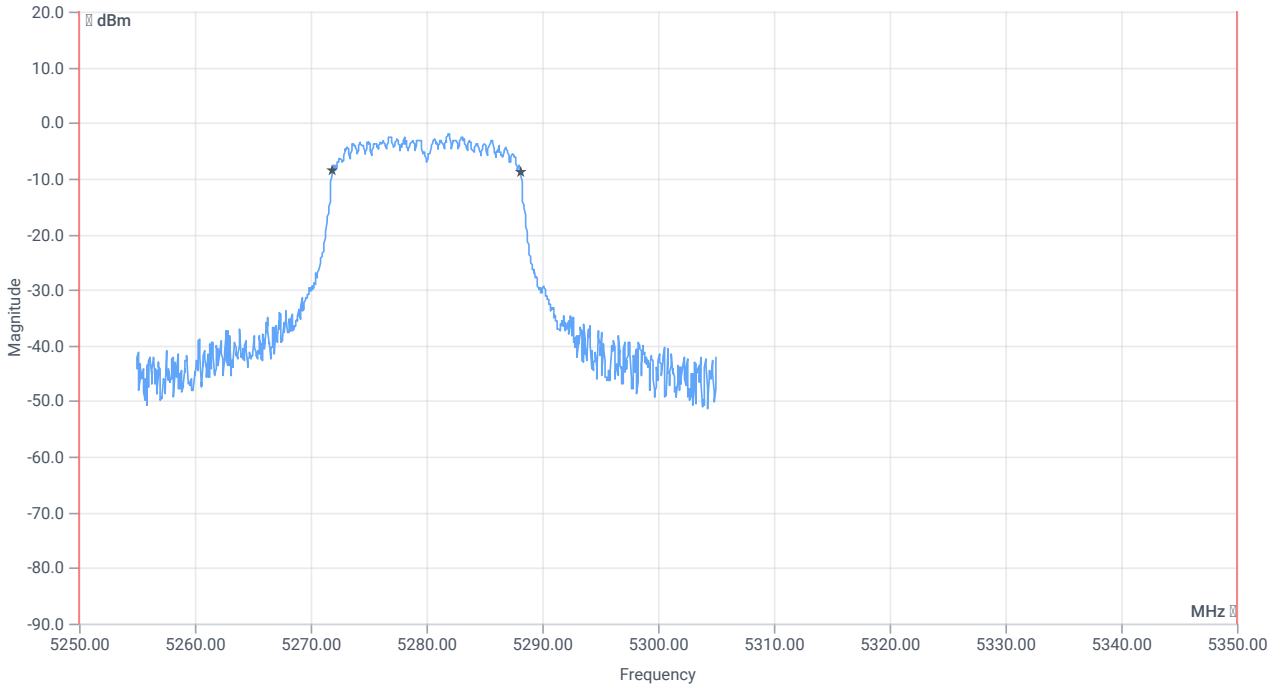
RESULT: Reference power cond.

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

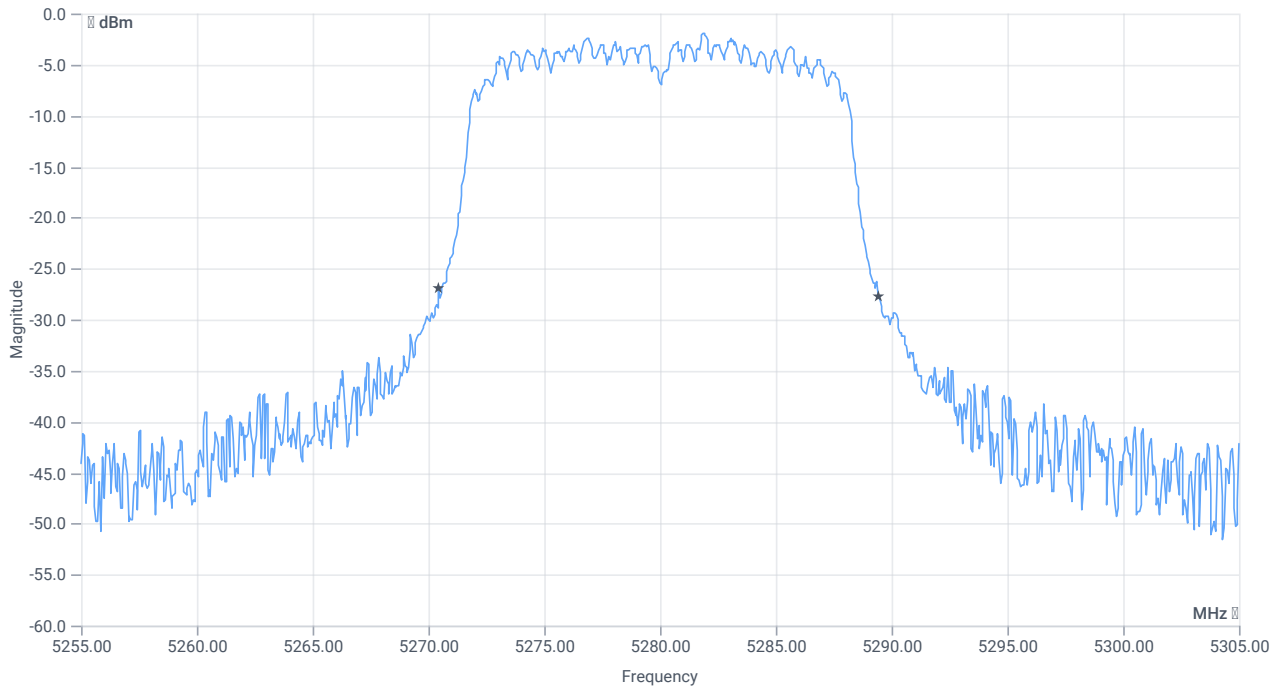




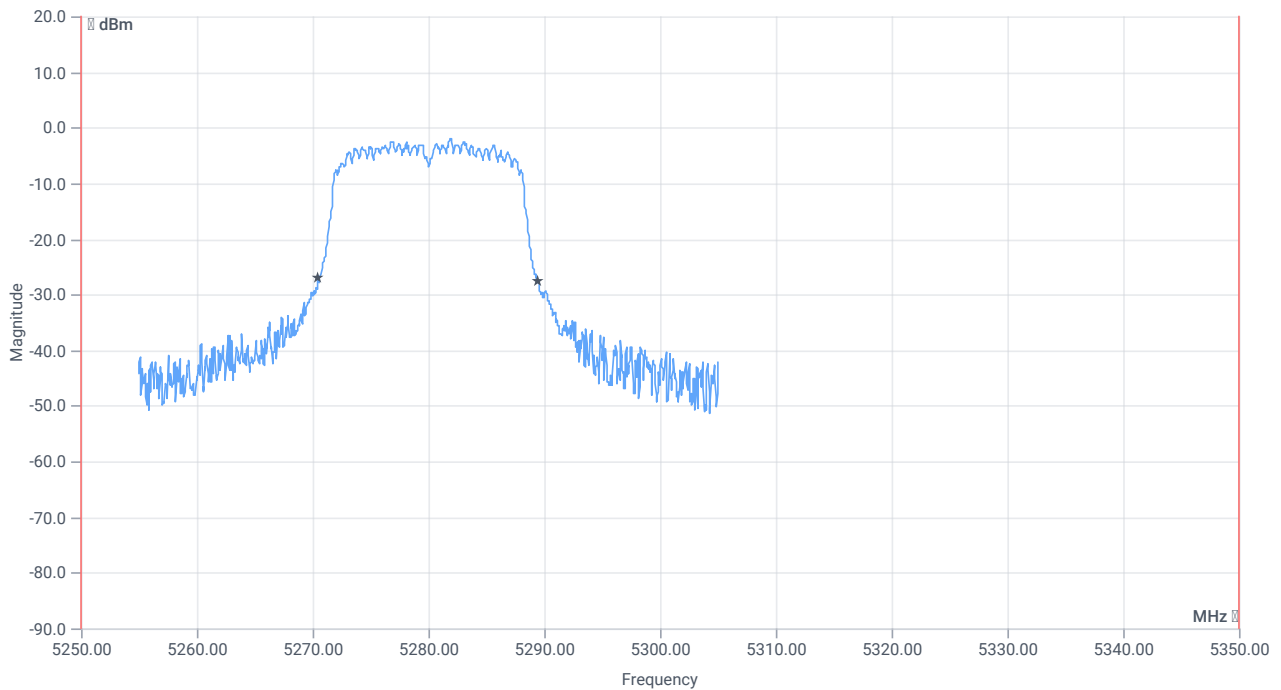
*BW within band 99PCT*

## 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

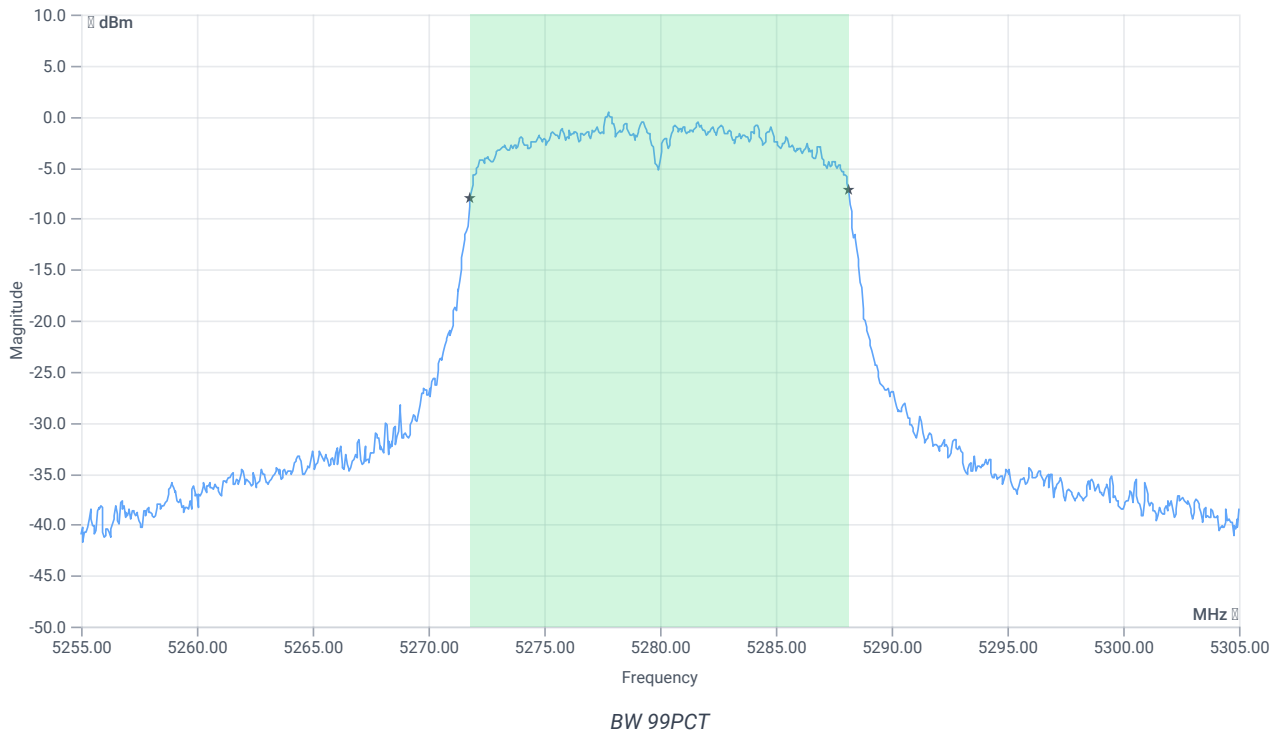
## Test at TX 5280 MHz

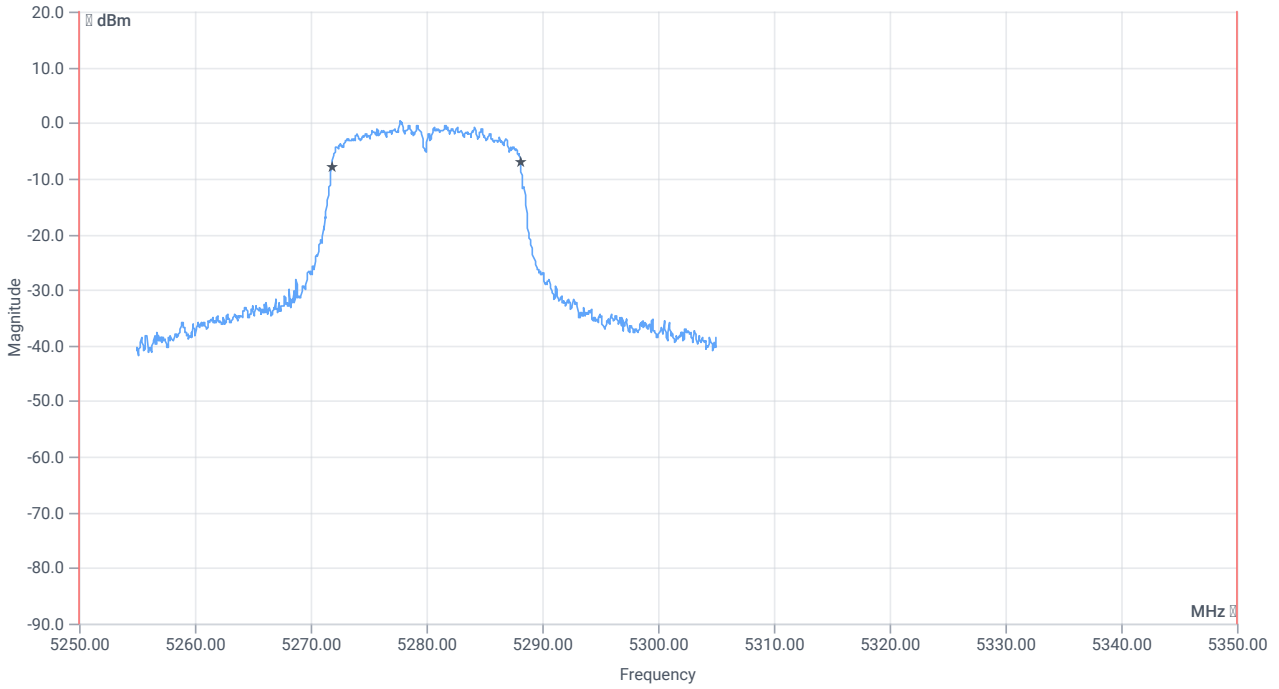
RESULT: Reference power cond.

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



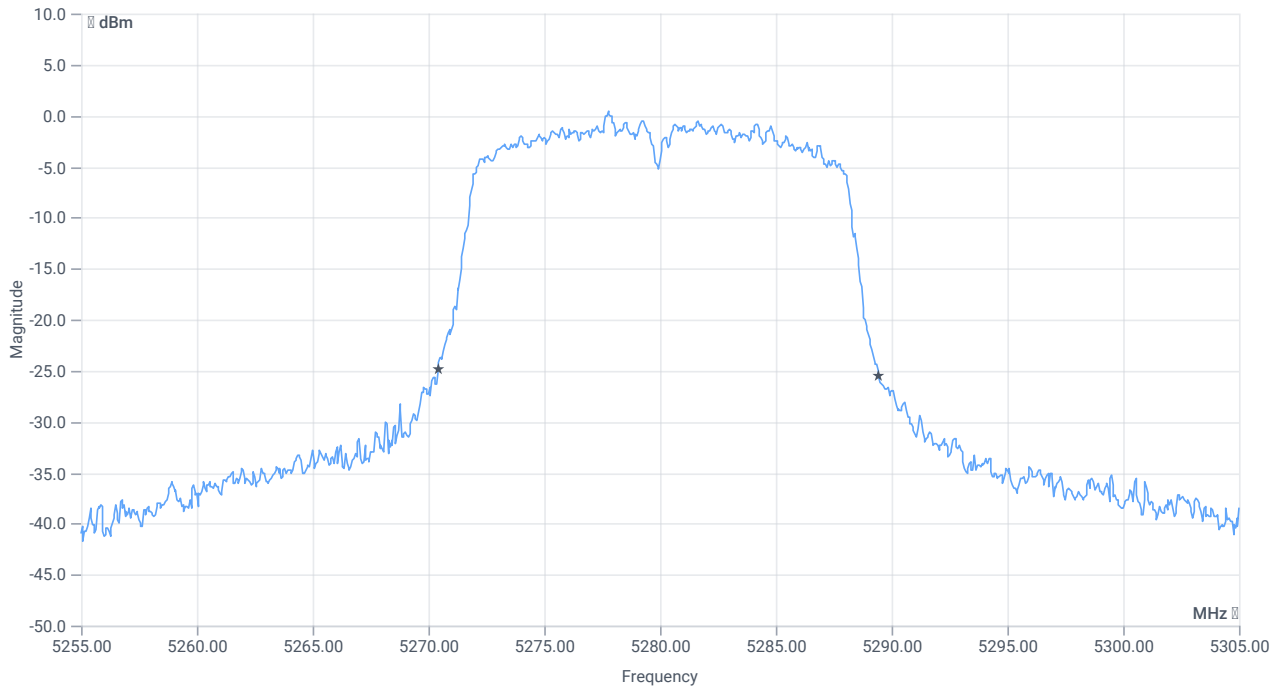


*BW within band 99PCT*

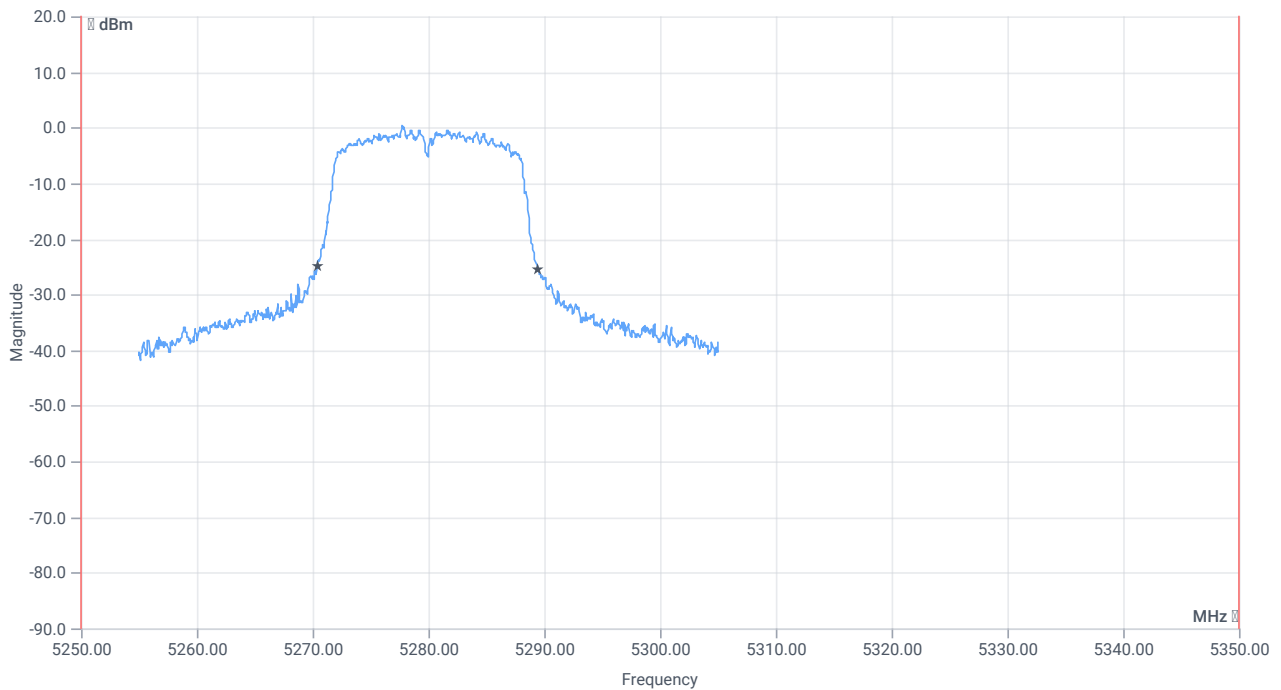
## RESULT

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

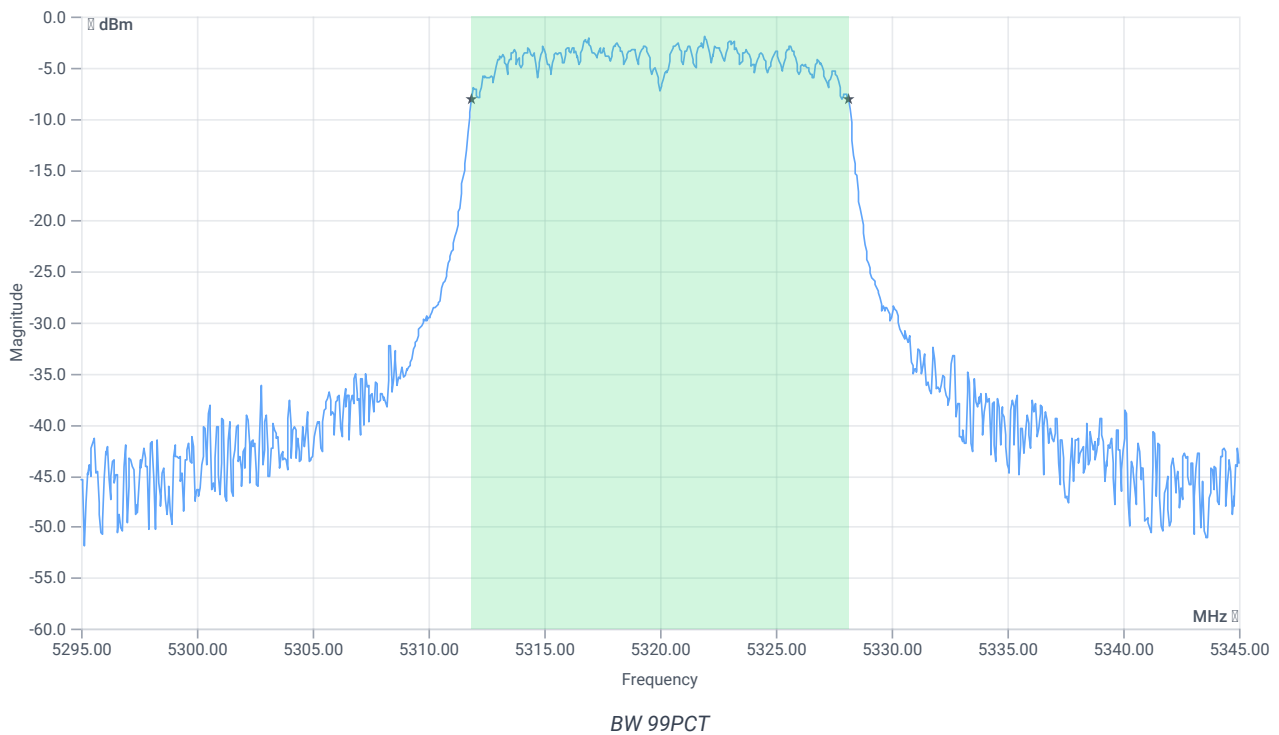
## Test at TX 5320 MHz

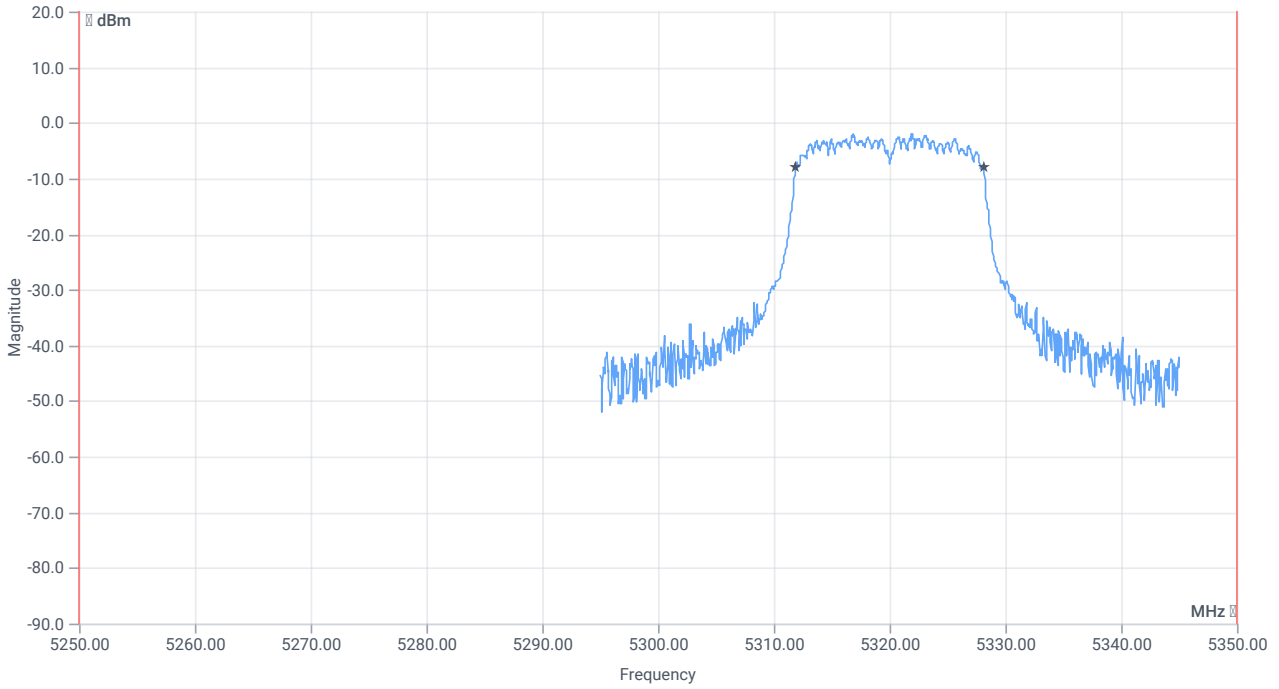
RESULT: Reference power cond.

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

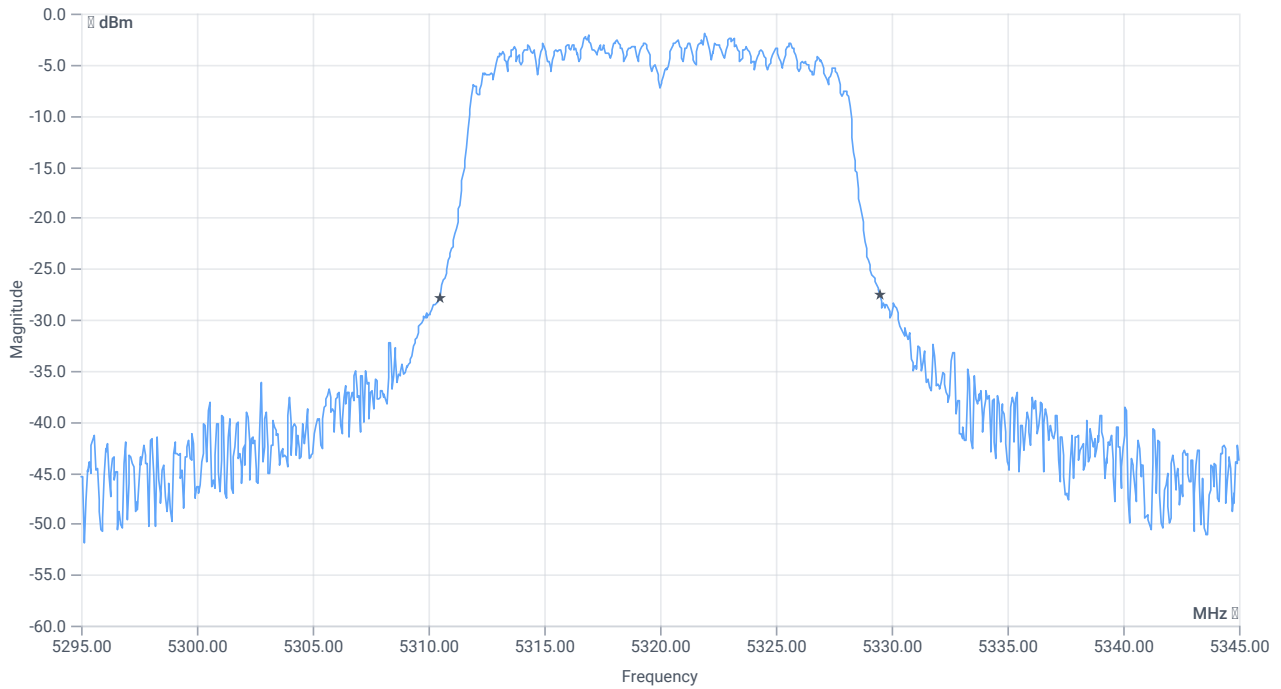




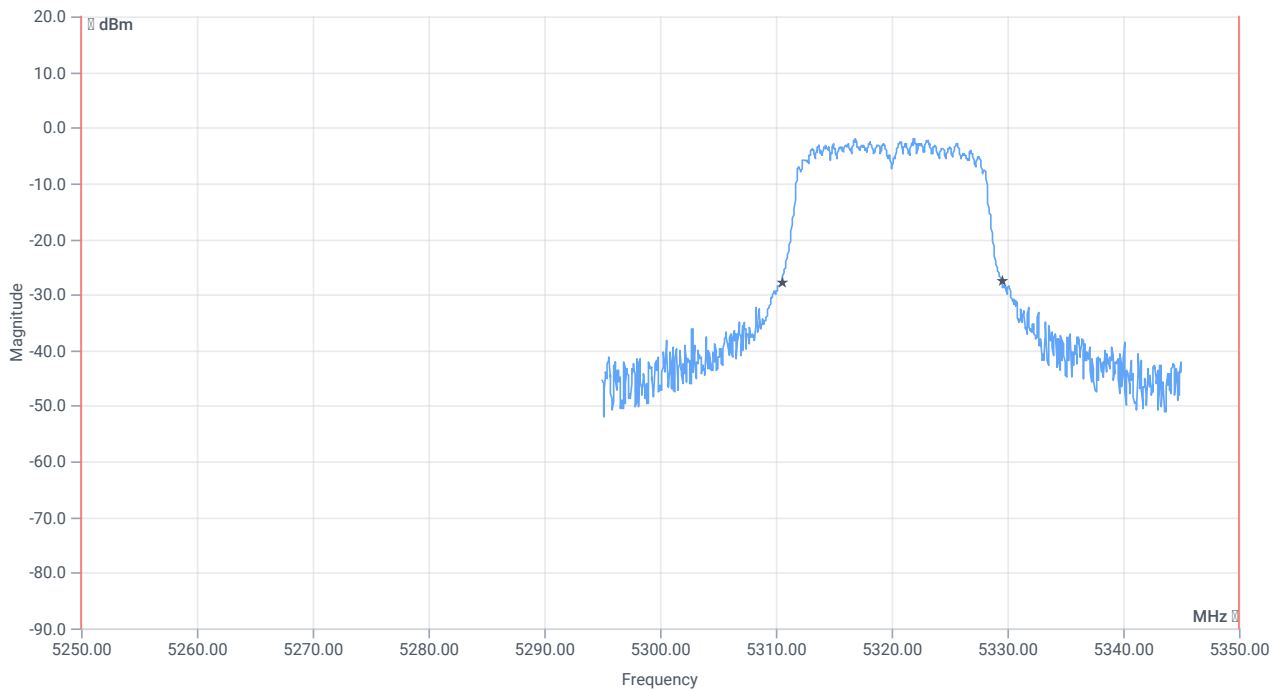
*BW within band 99PCT*

## 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



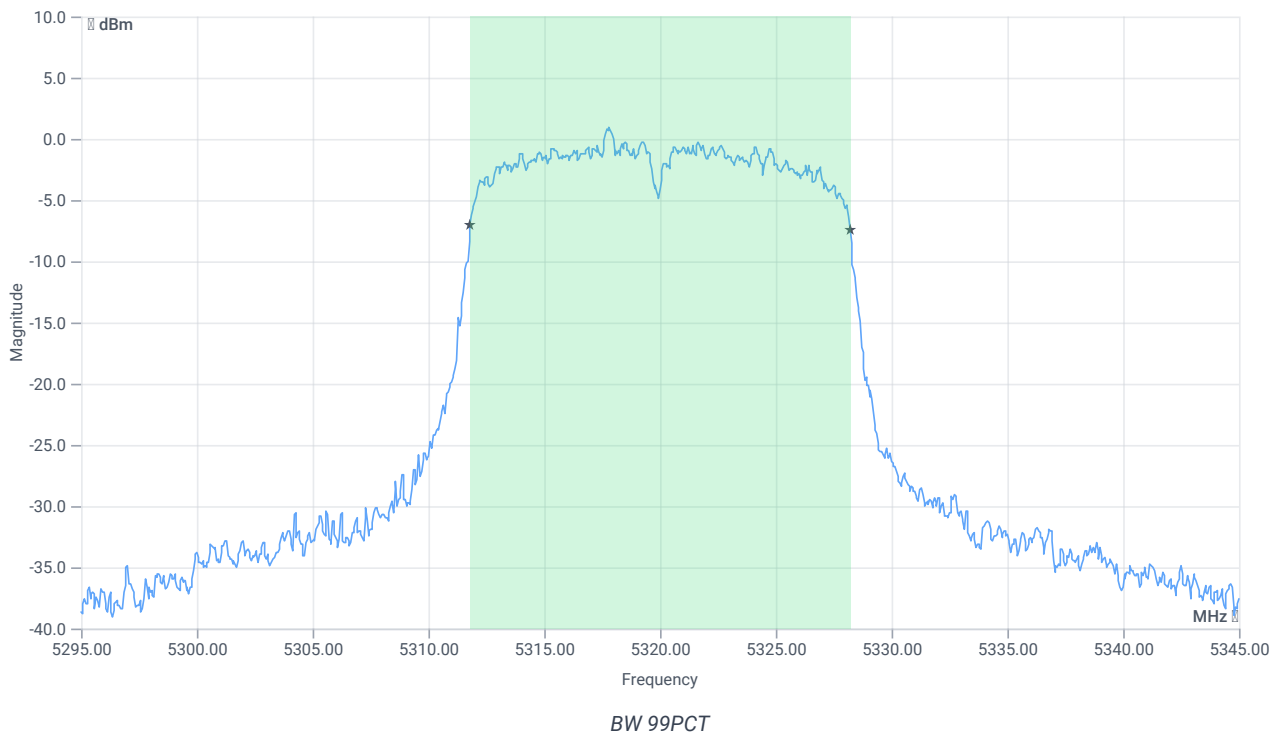
## Test at TX 5320 MHz

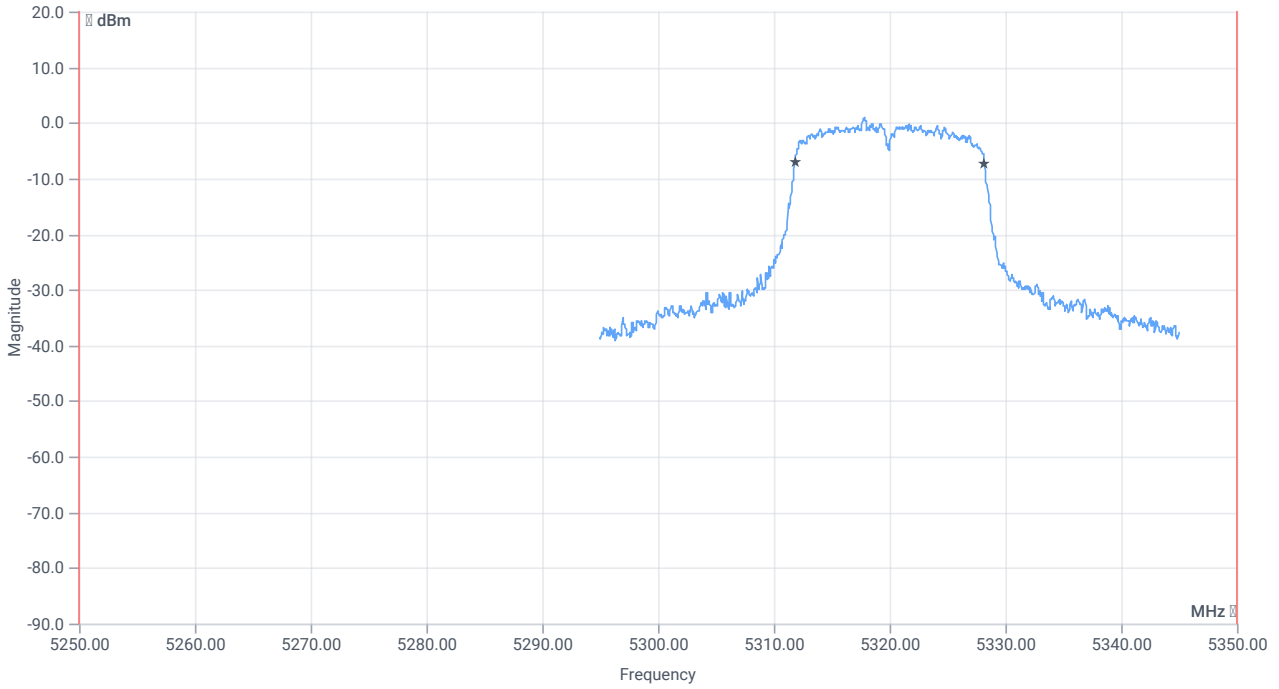
RESULT: Reference power cond.

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

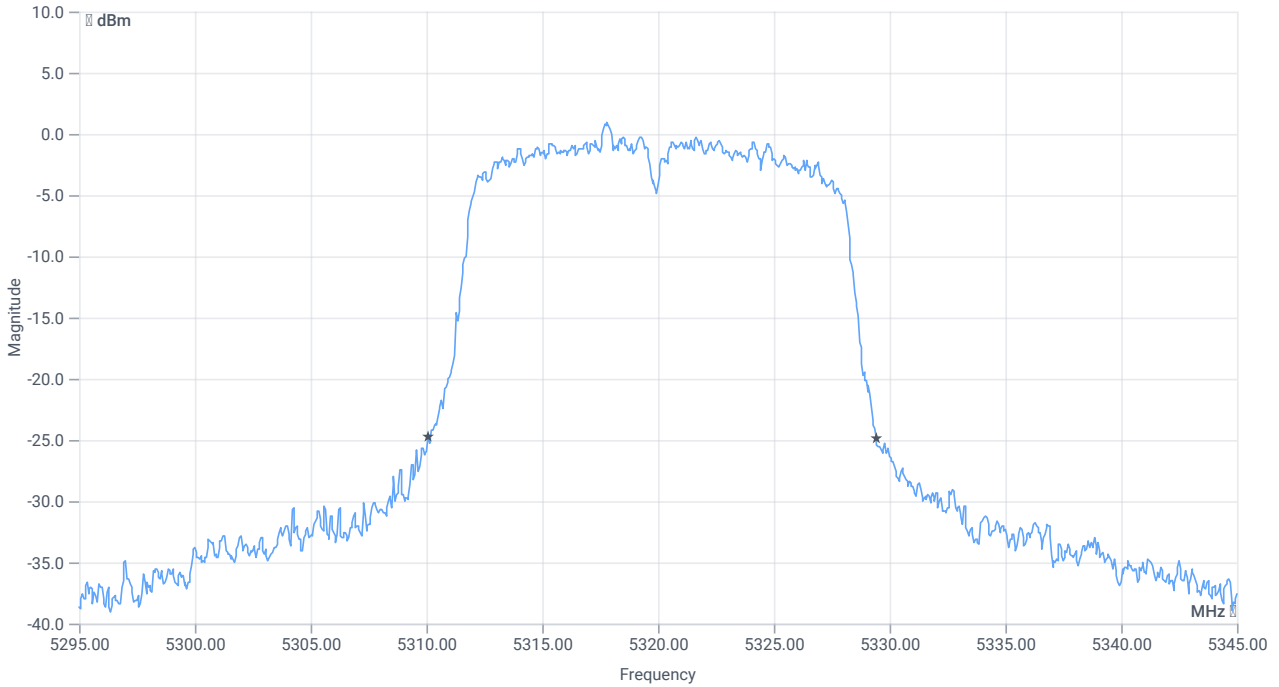




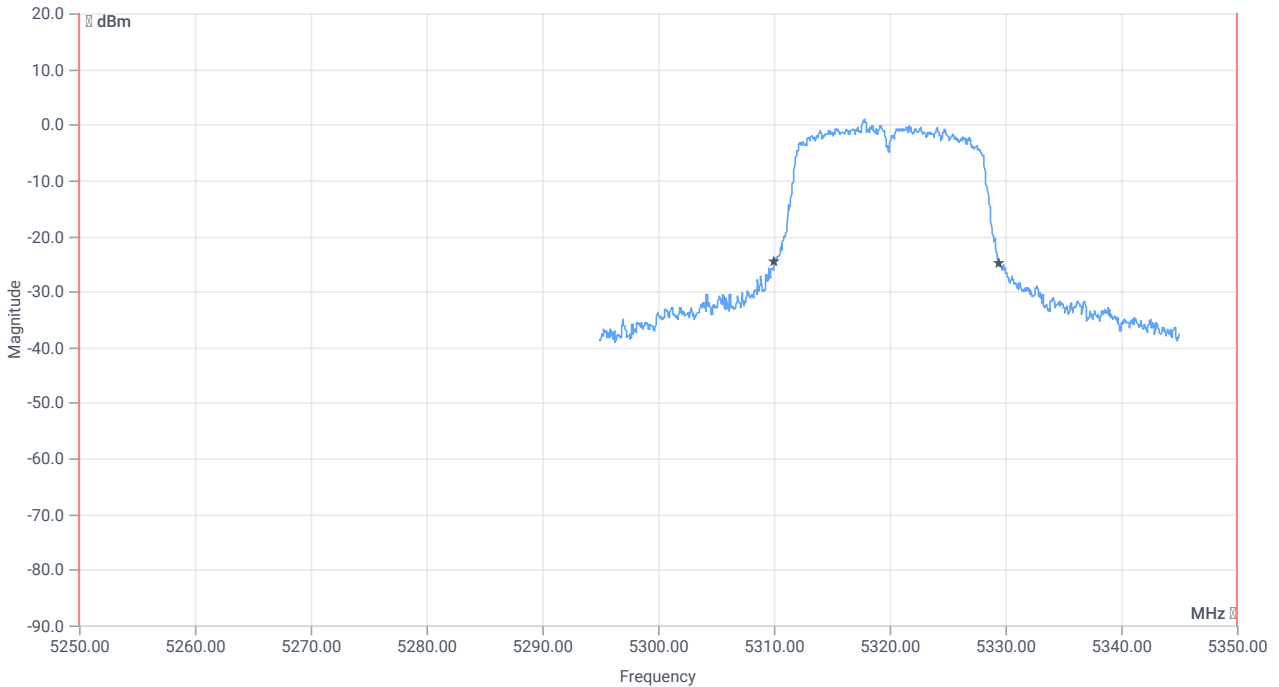
*BW within band 99PCT*

## 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 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

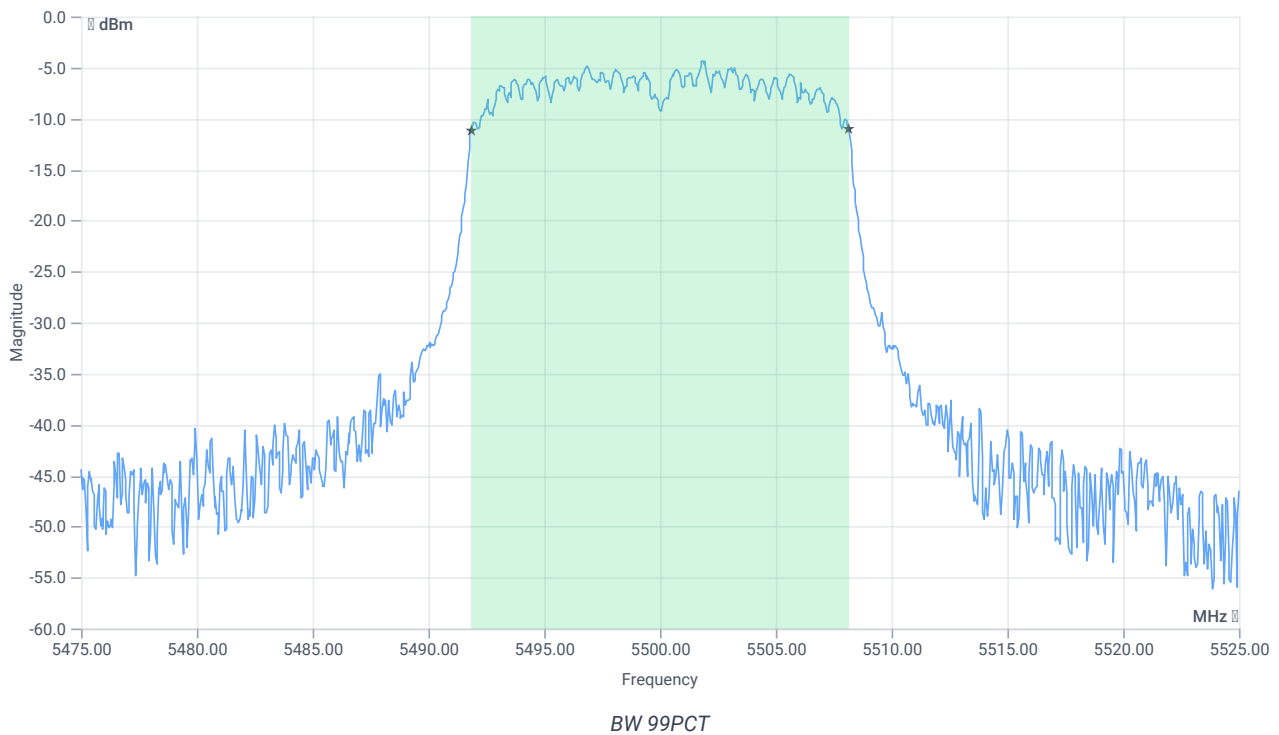
## Test at TX 5500 MHz

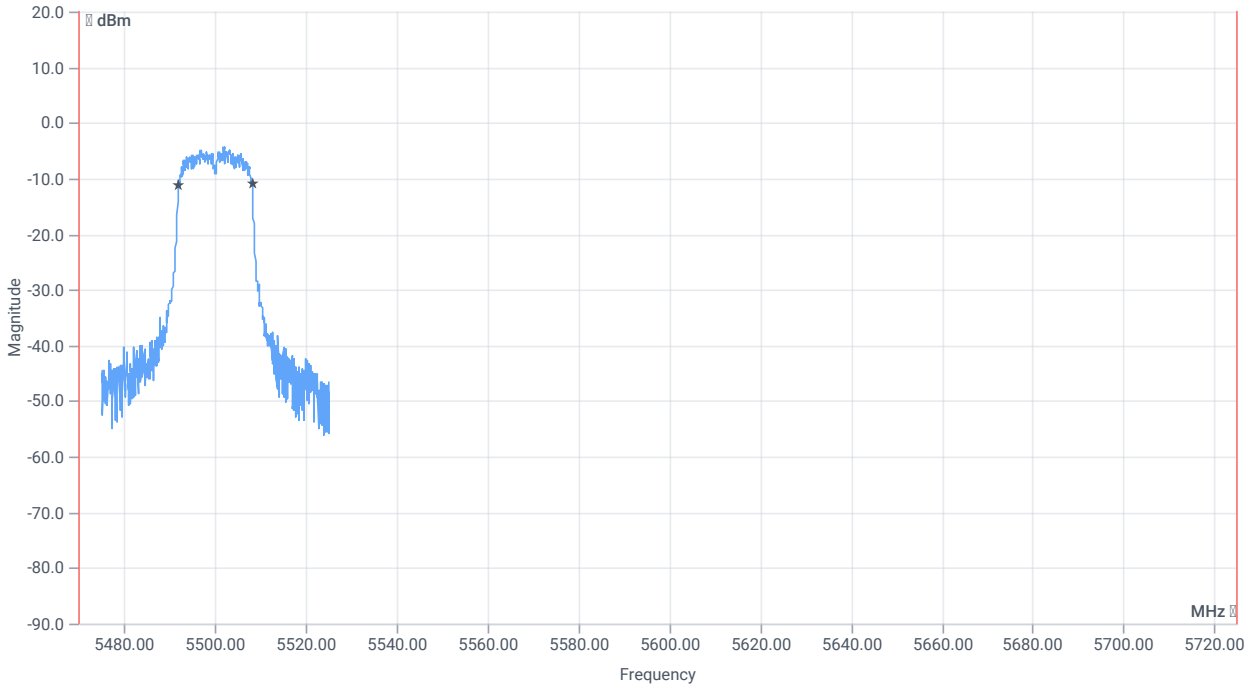
RESULT: Reference power cond.

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

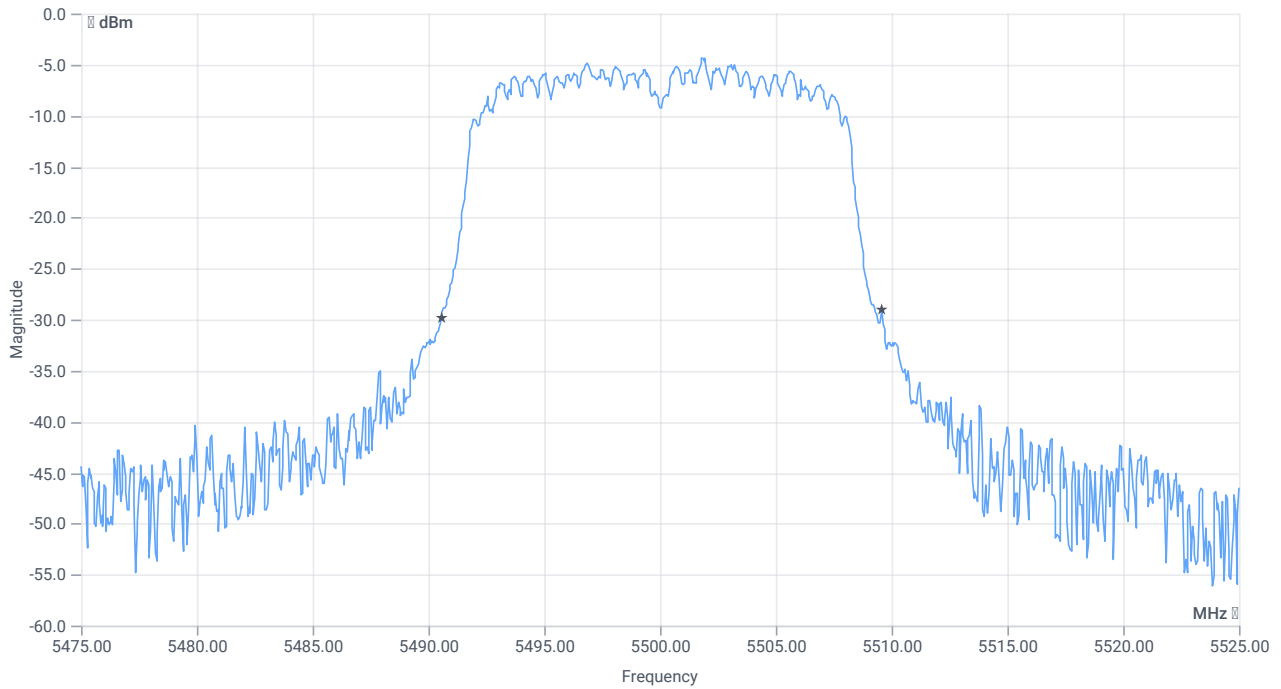




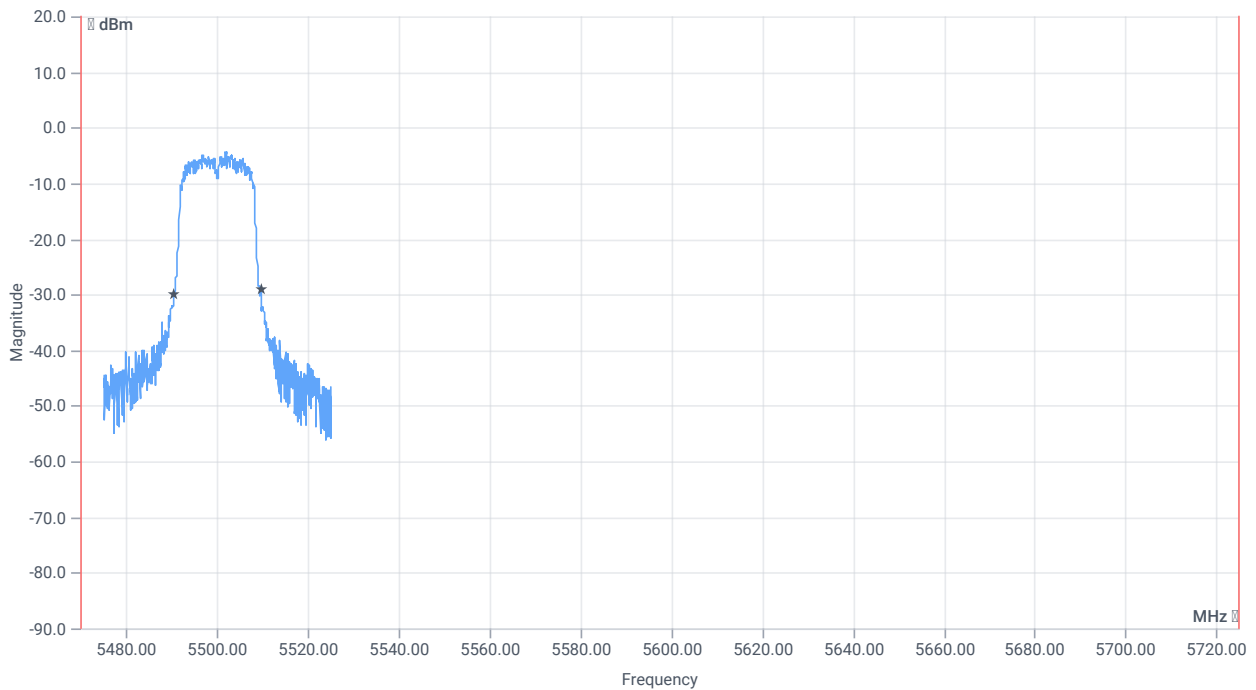
*BW within band 99PCT*

## 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

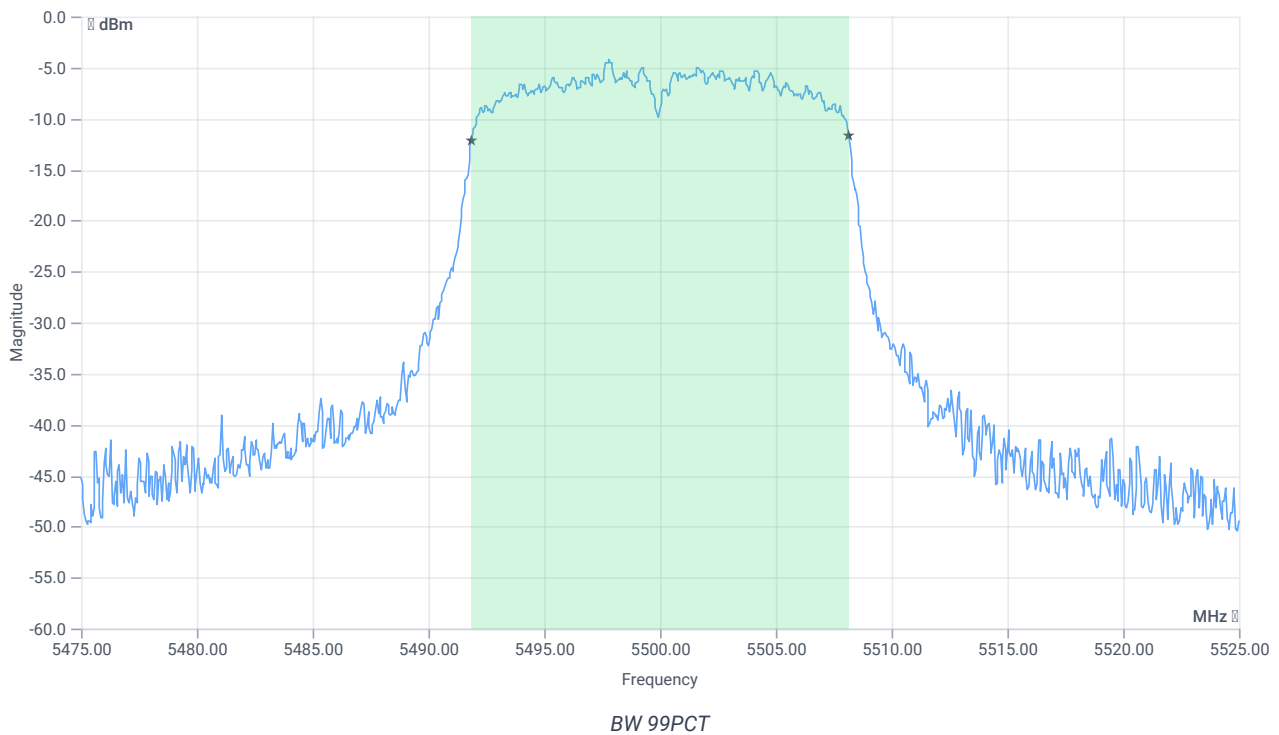
## Test at TX 5500 MHz

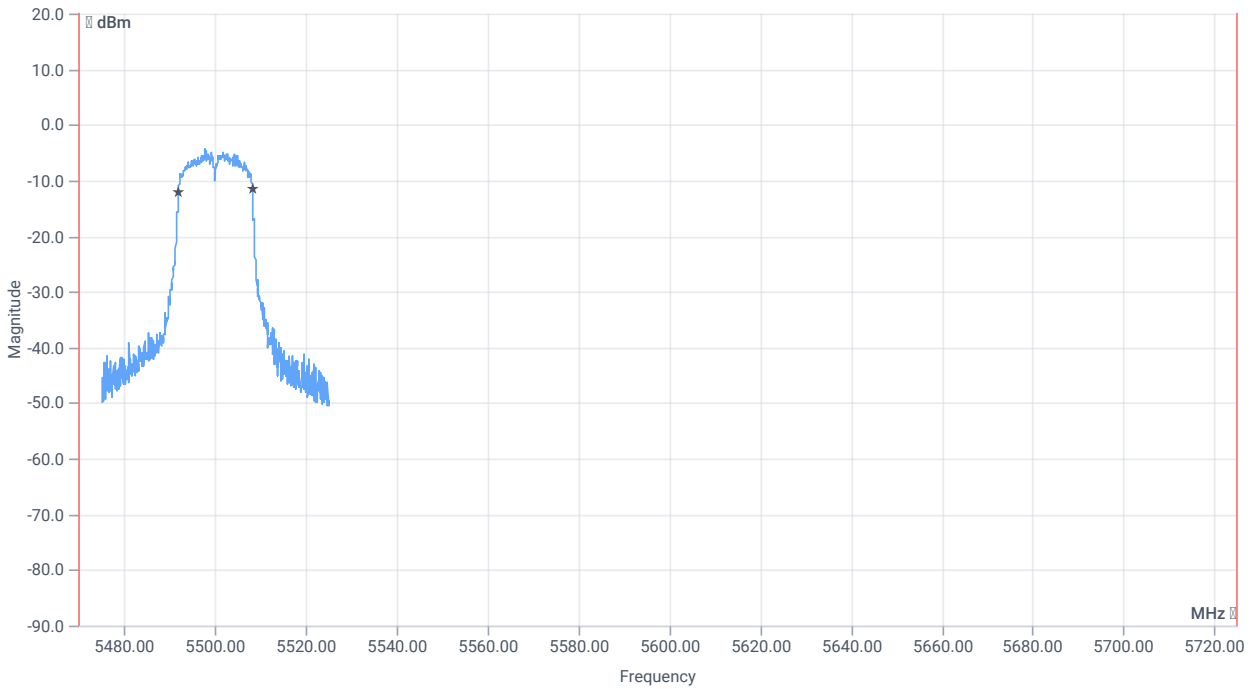
RESULT: Reference power cond.

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

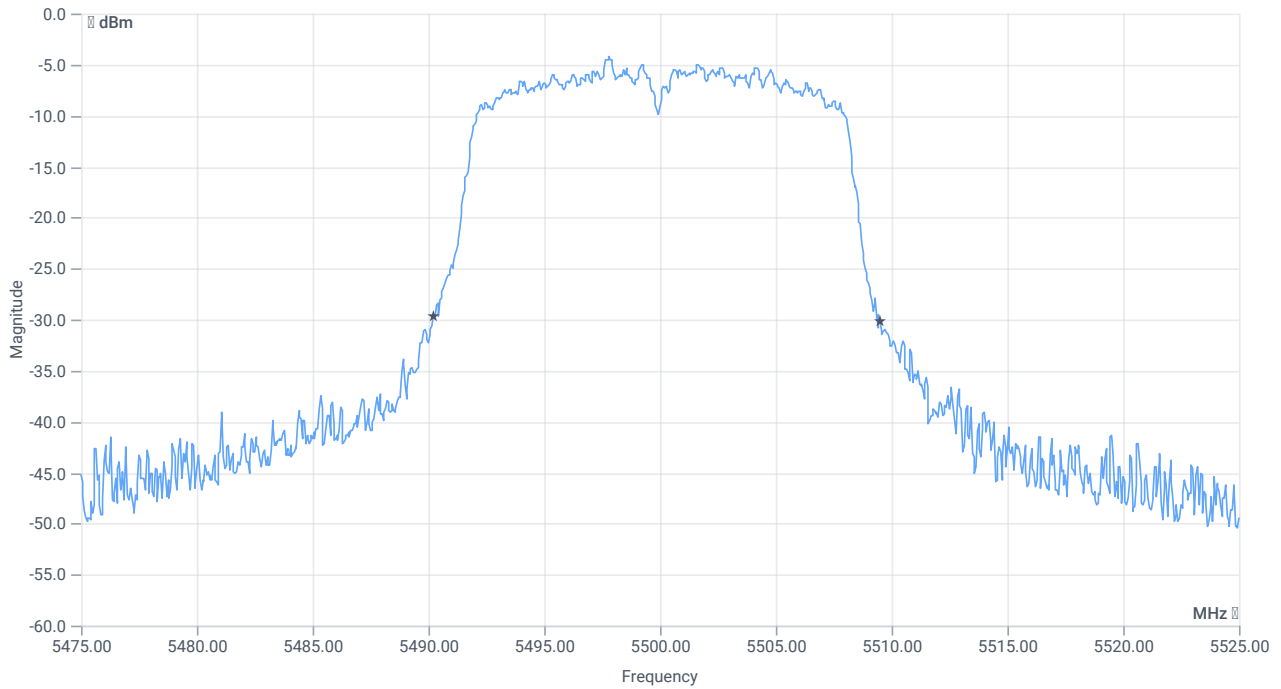




*BW within band 99PCT*

## 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

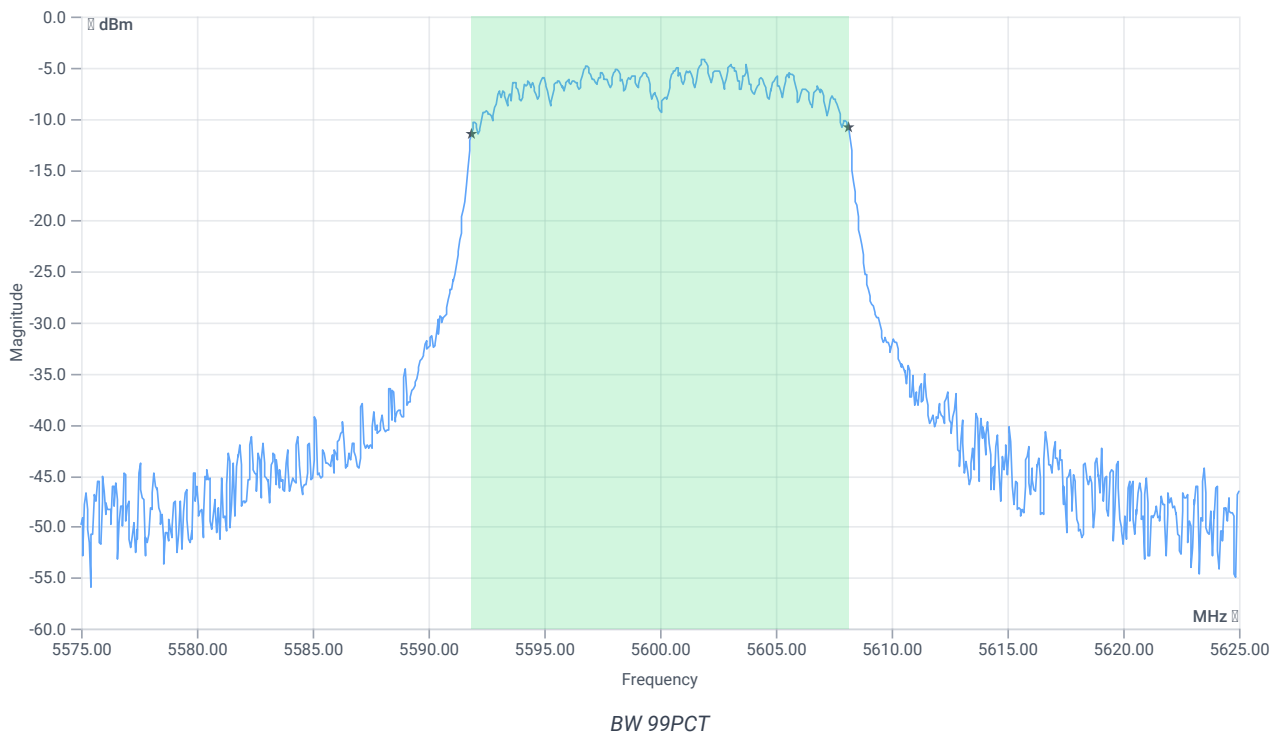
## Test at TX 5600 MHz

RESULT: Reference power cond.

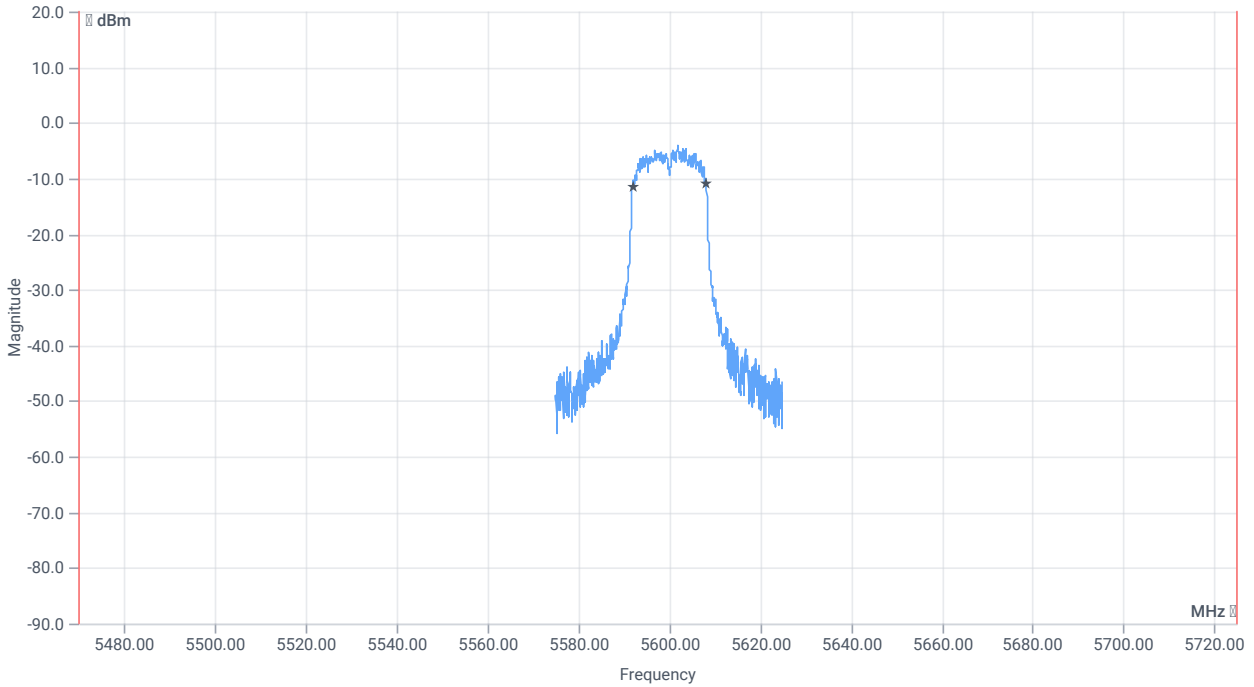
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.13	dBm	INFO
Ref. frequency	--	--	5605.390	MHz	INFO

### 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



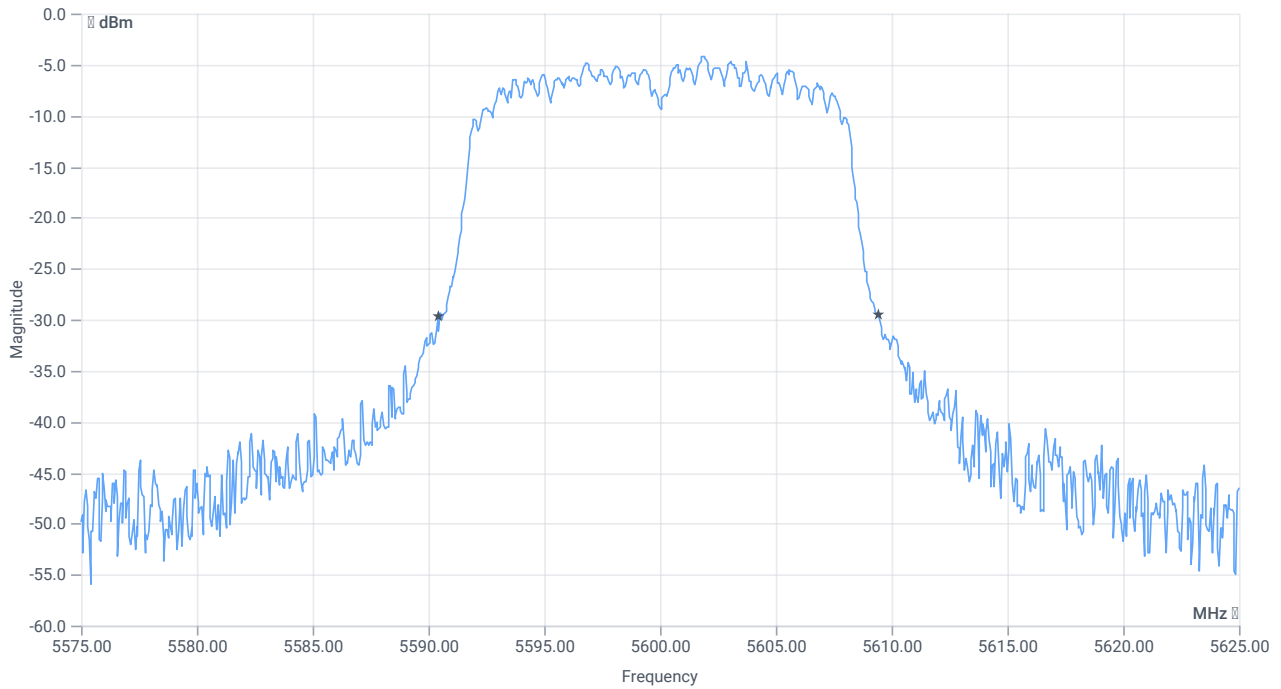




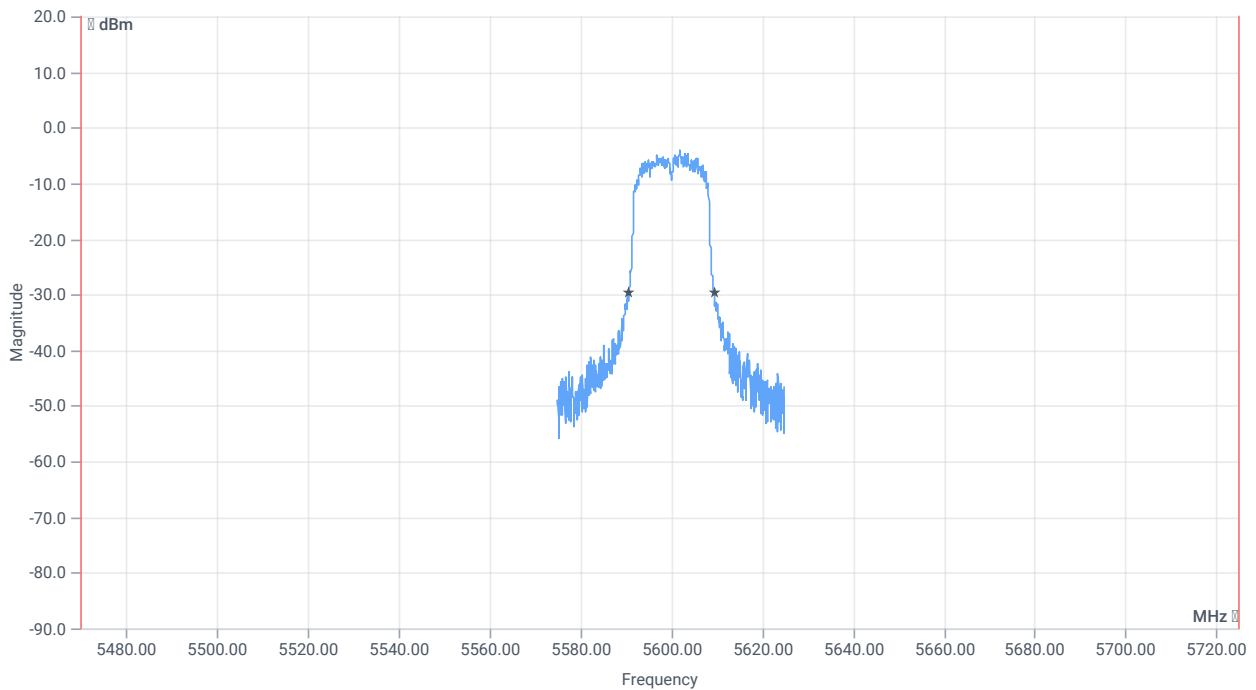
*BW within band 99PCT*

## 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

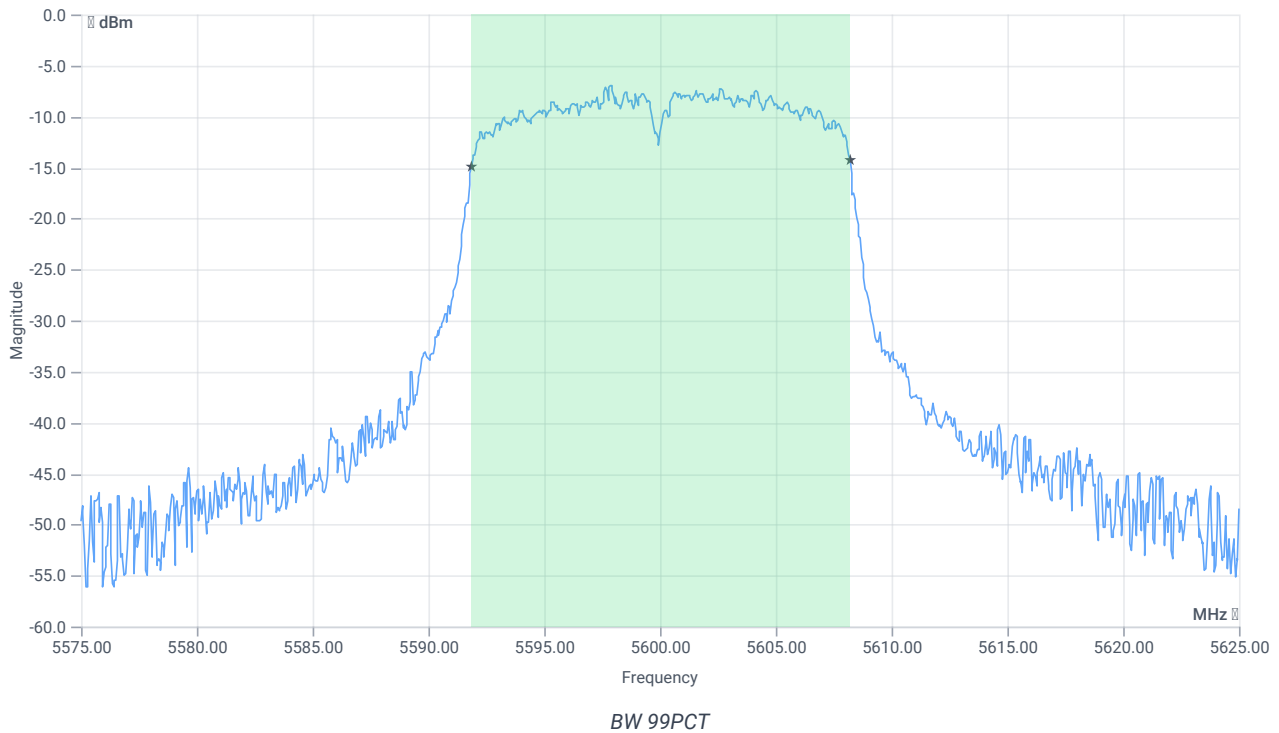
## Test at TX 5600 MHz

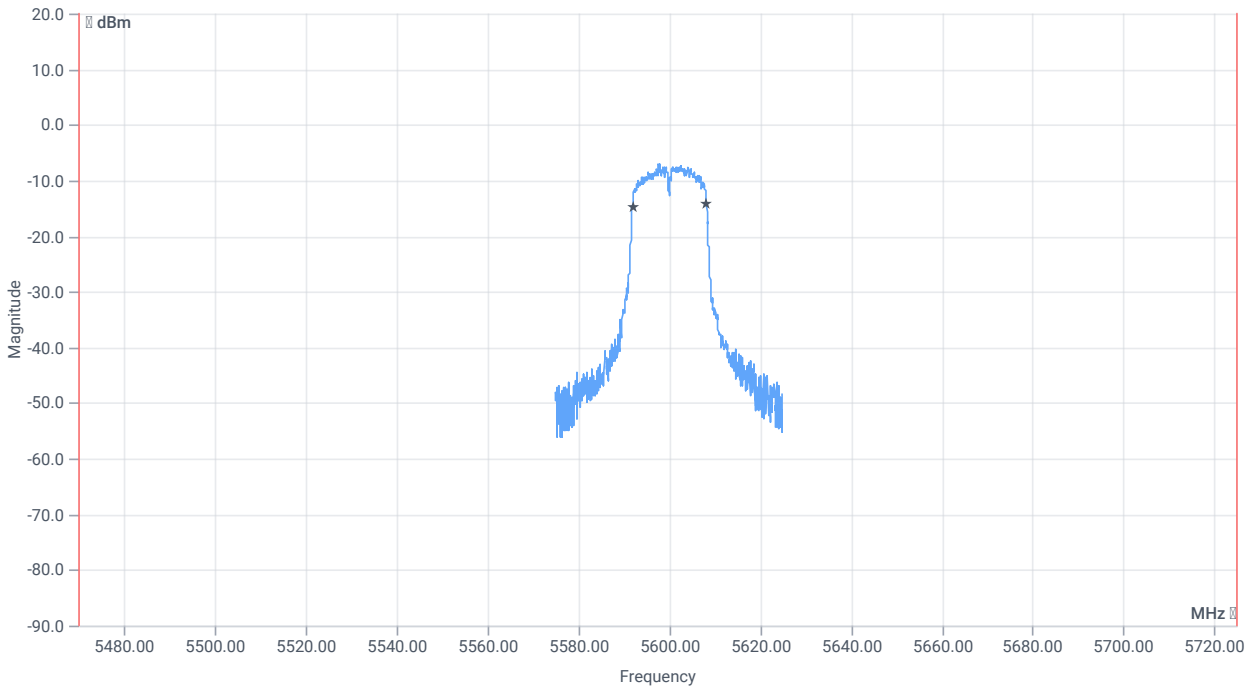
RESULT: Reference power cond.

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

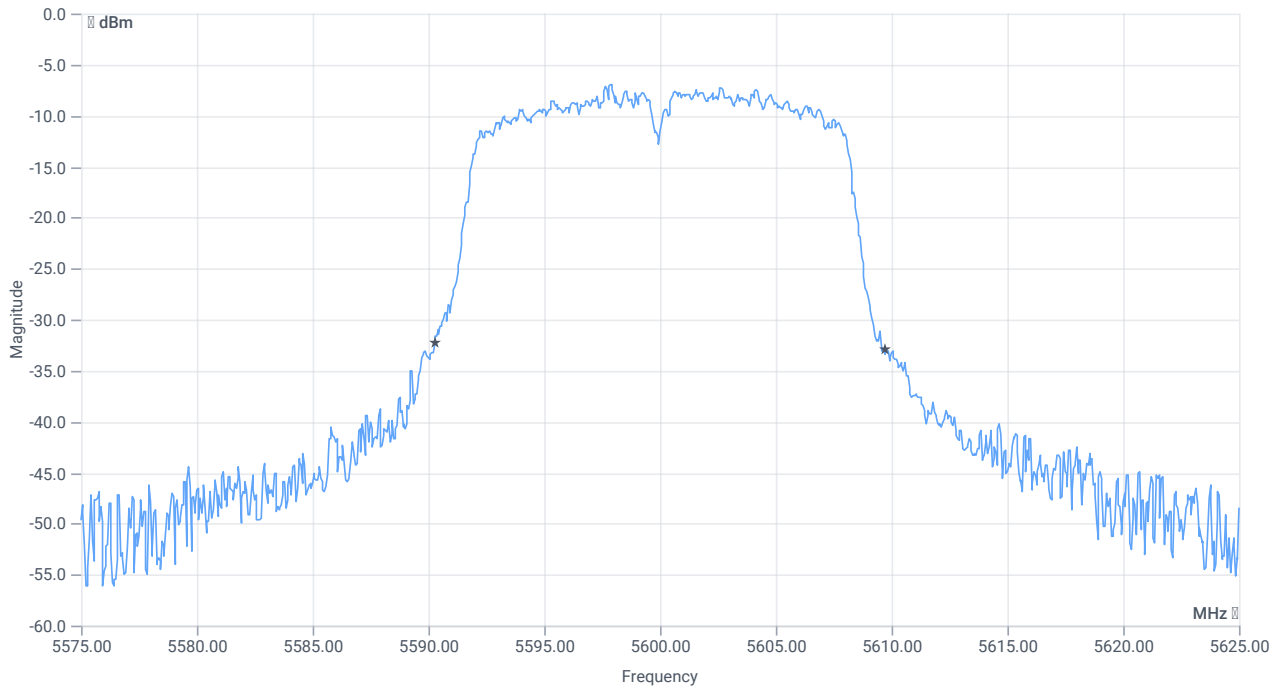




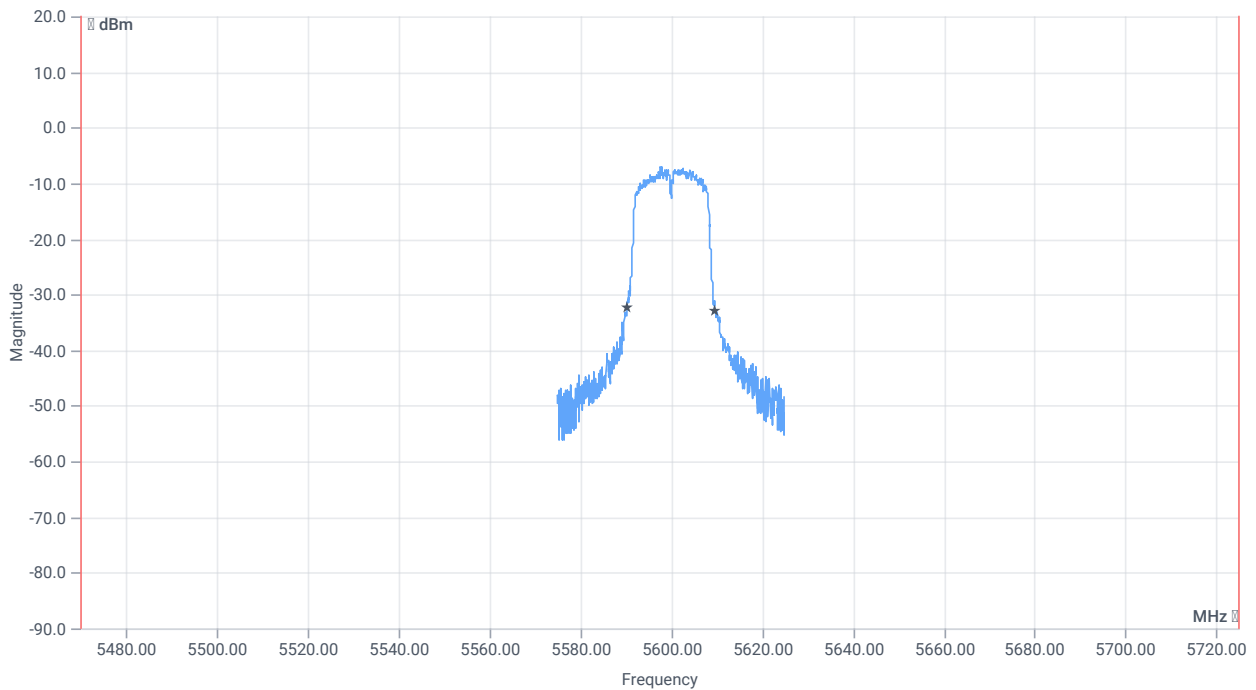
*BW within band 99PCT*

## 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

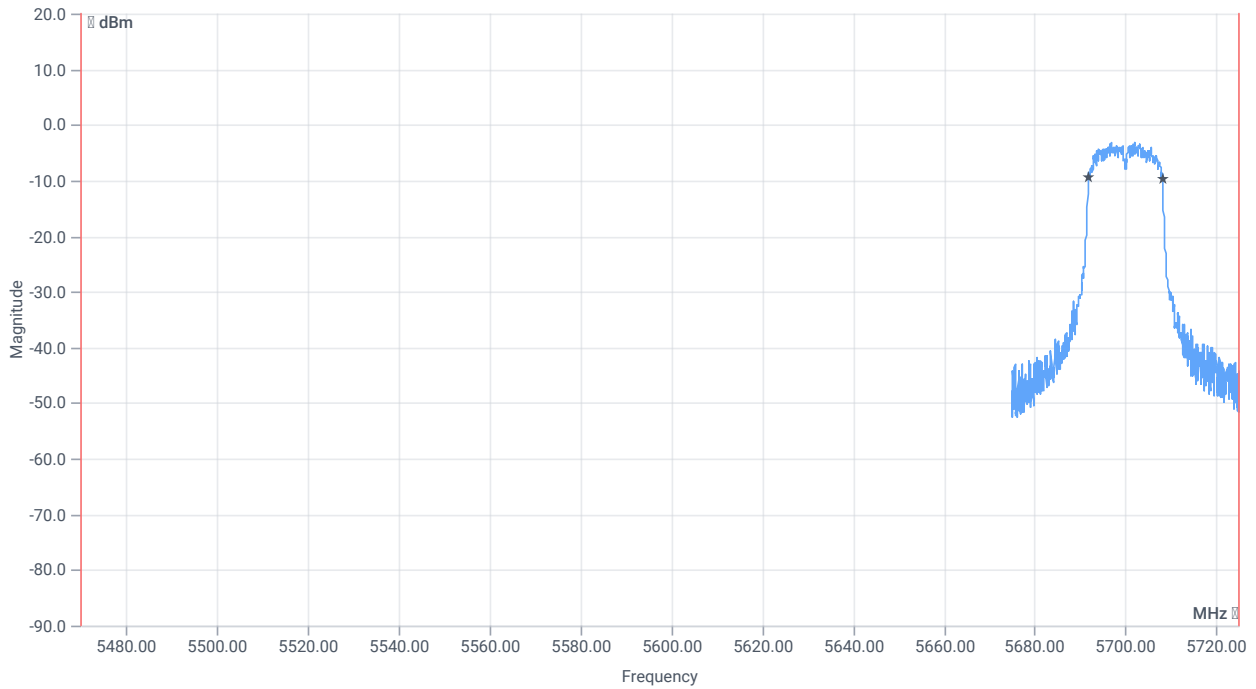
RESULT: Reference power cond.

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

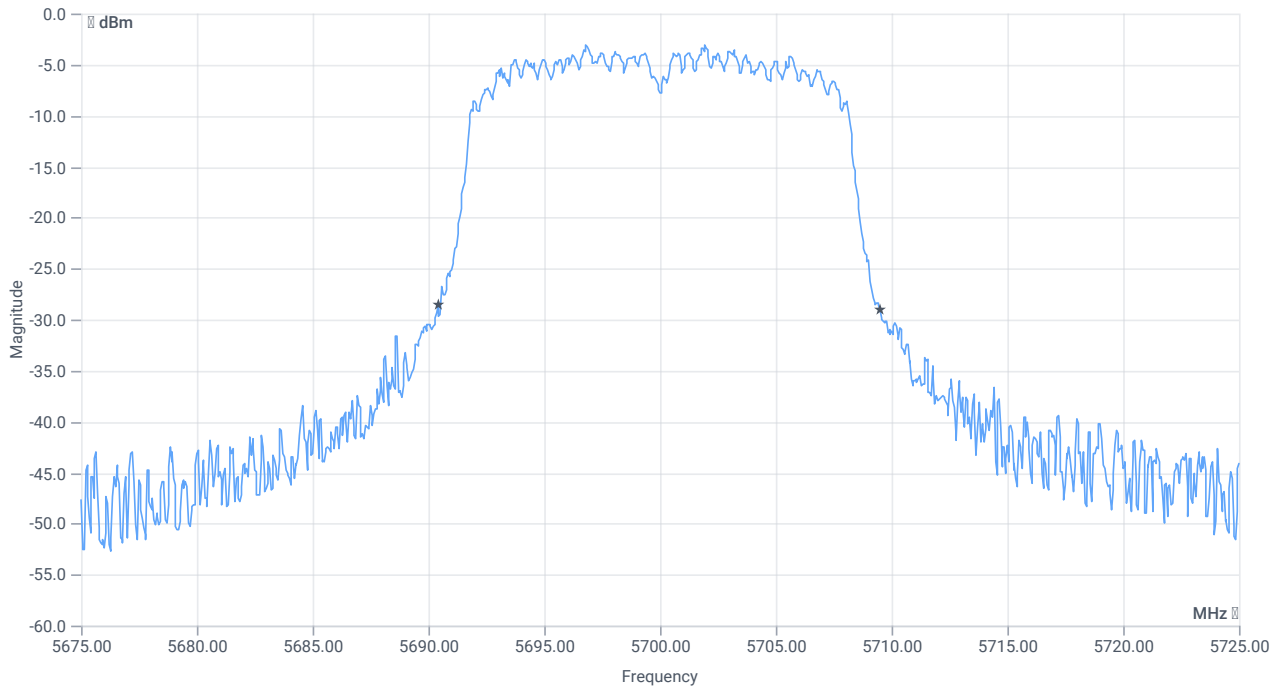




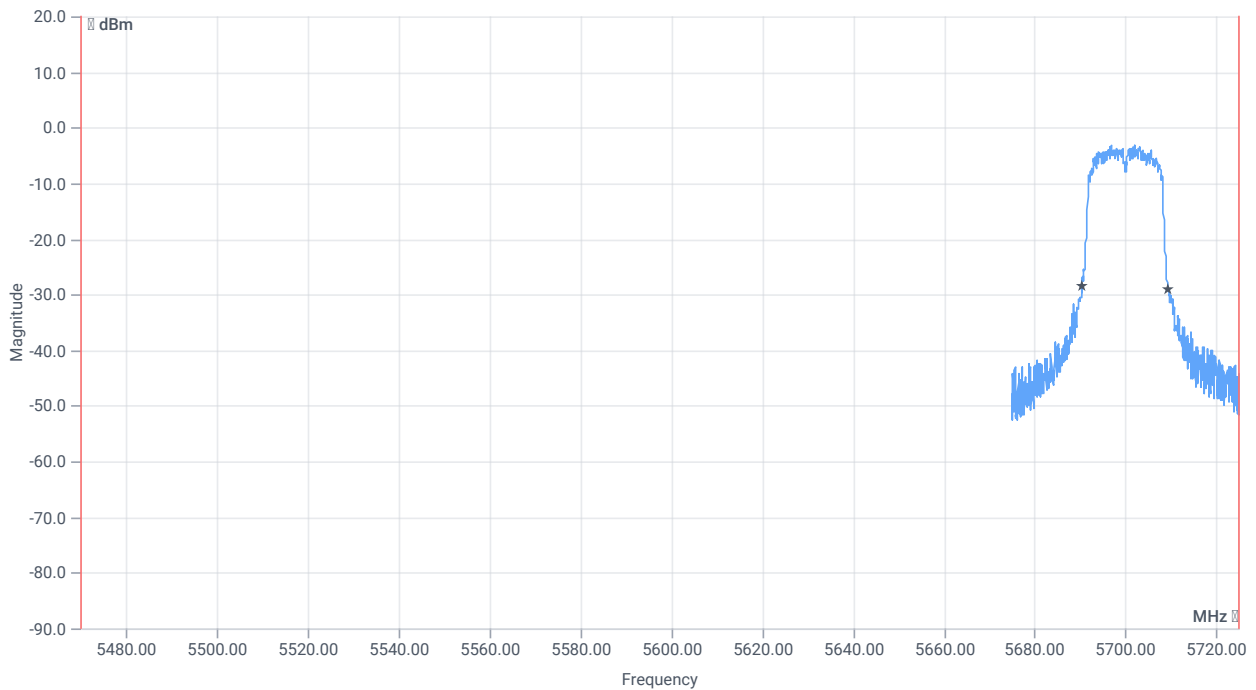
*BW within band 99PCT*

## 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

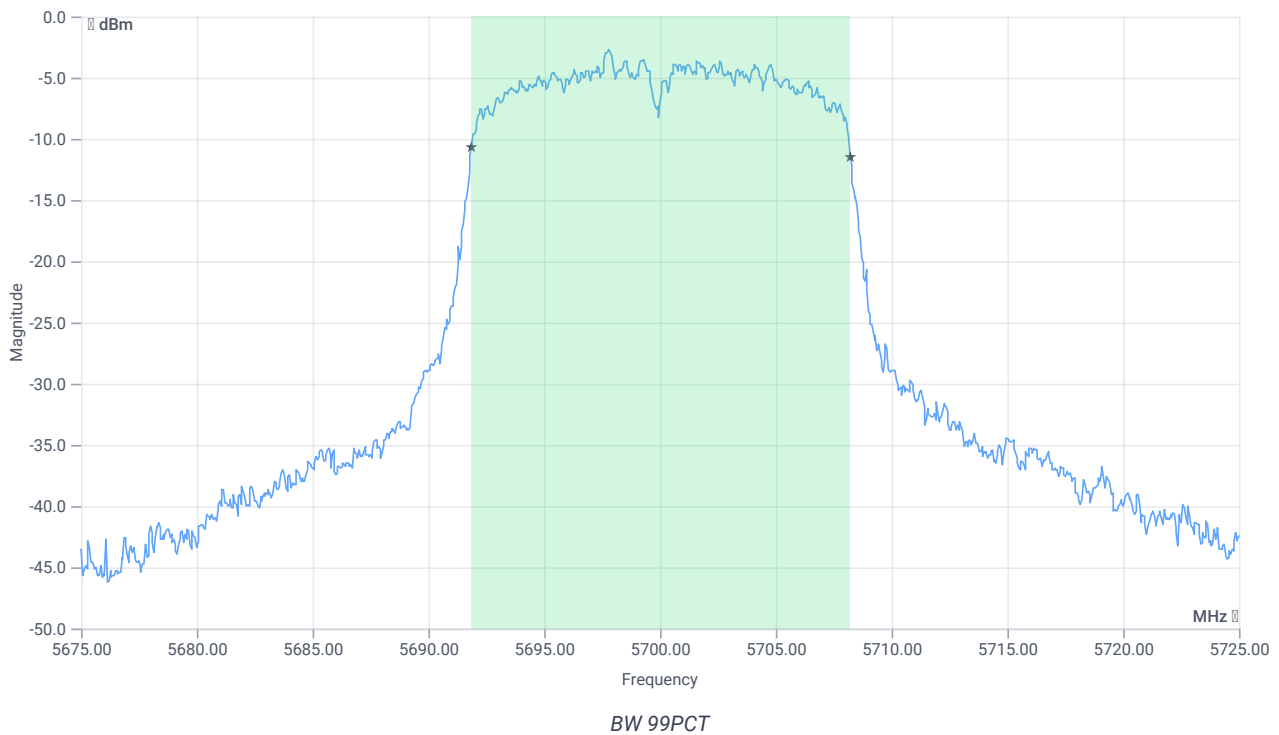
## Test at TX 5700 MHz

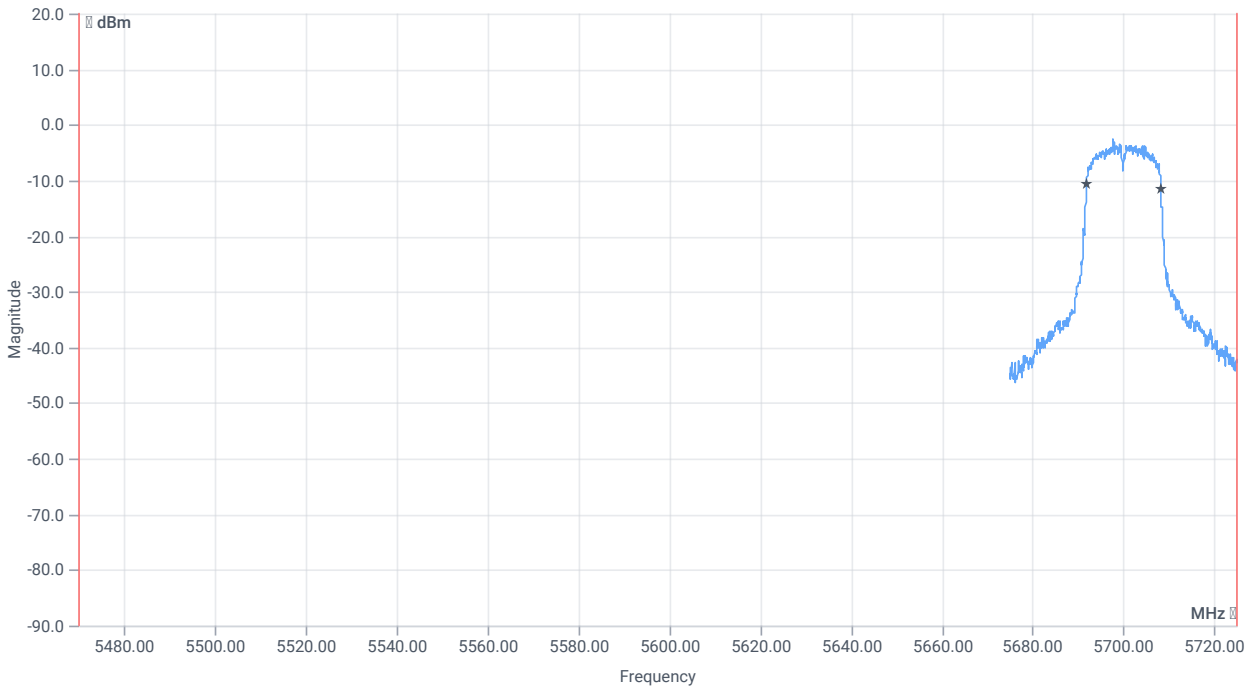
RESULT: Reference power cond.

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



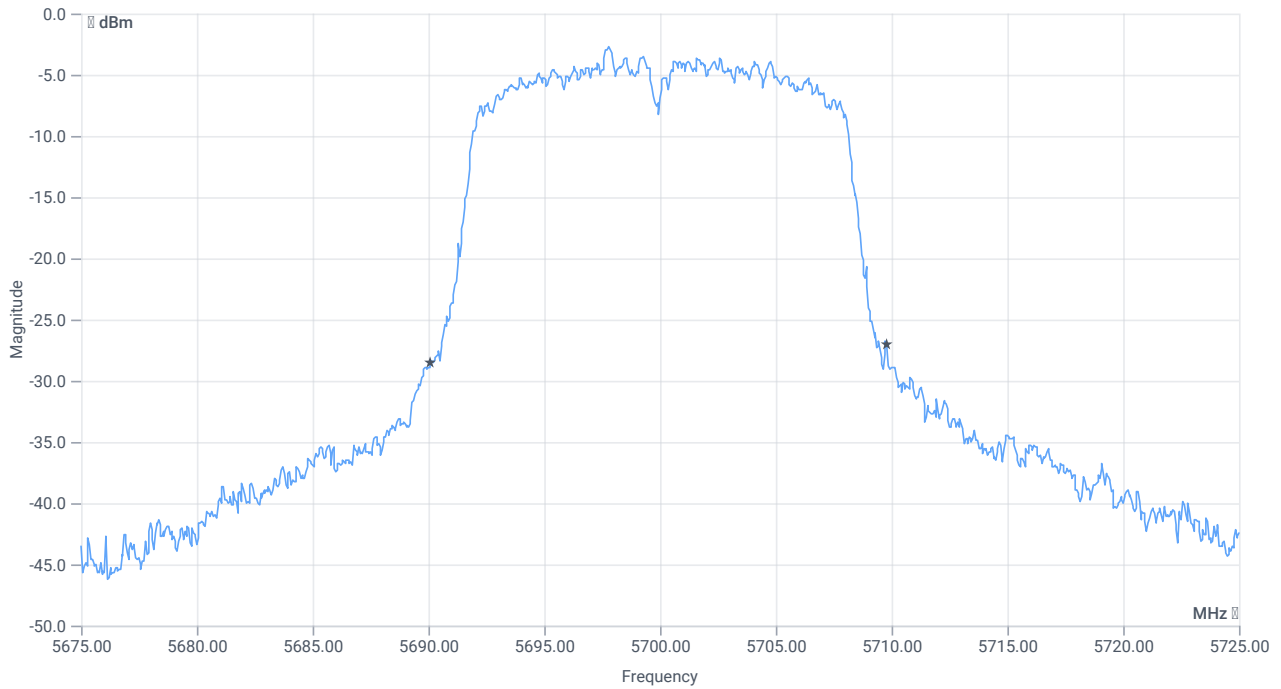


*BW within band 99PCT*

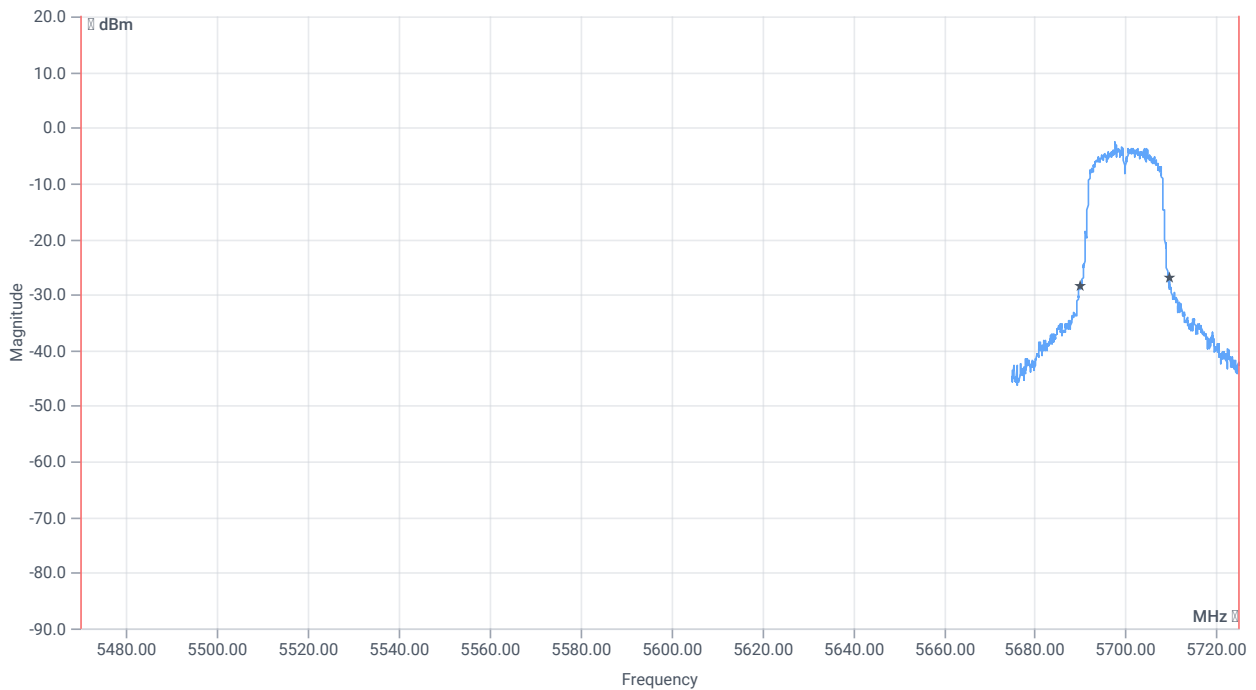
## RESULT

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-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

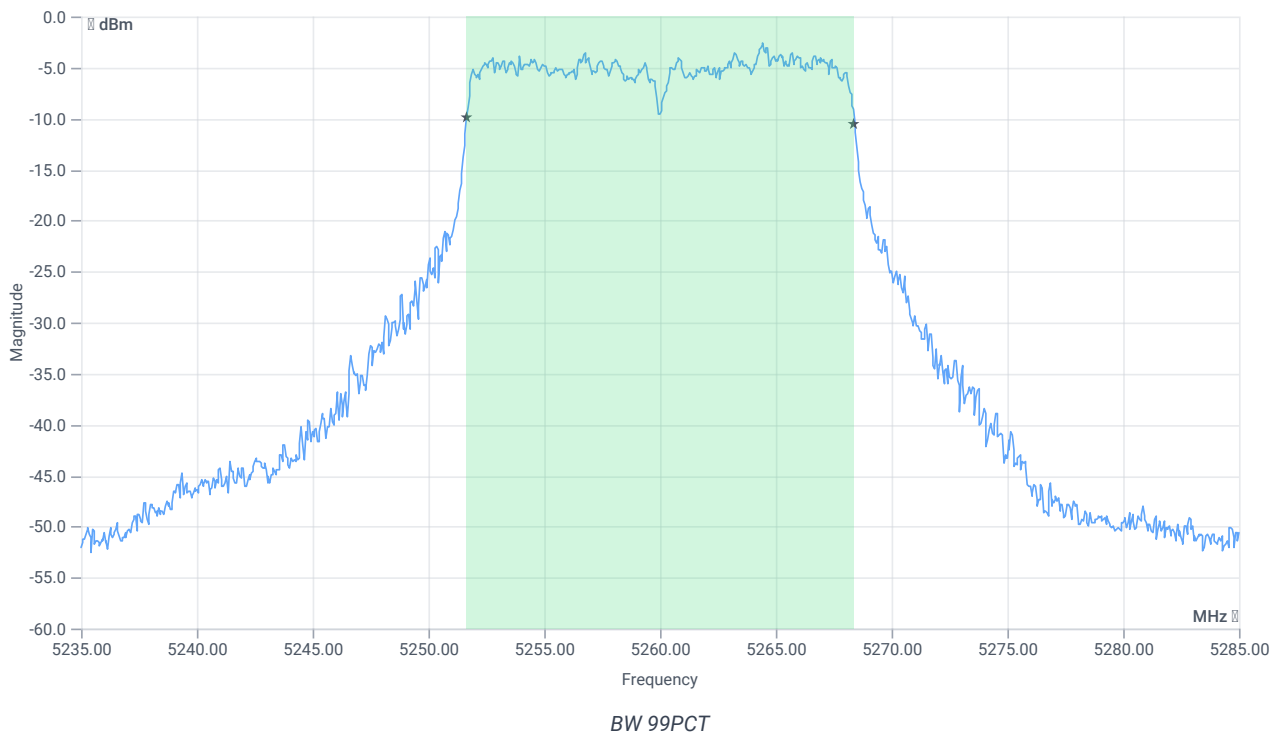
## Test at TX 5260 MHz

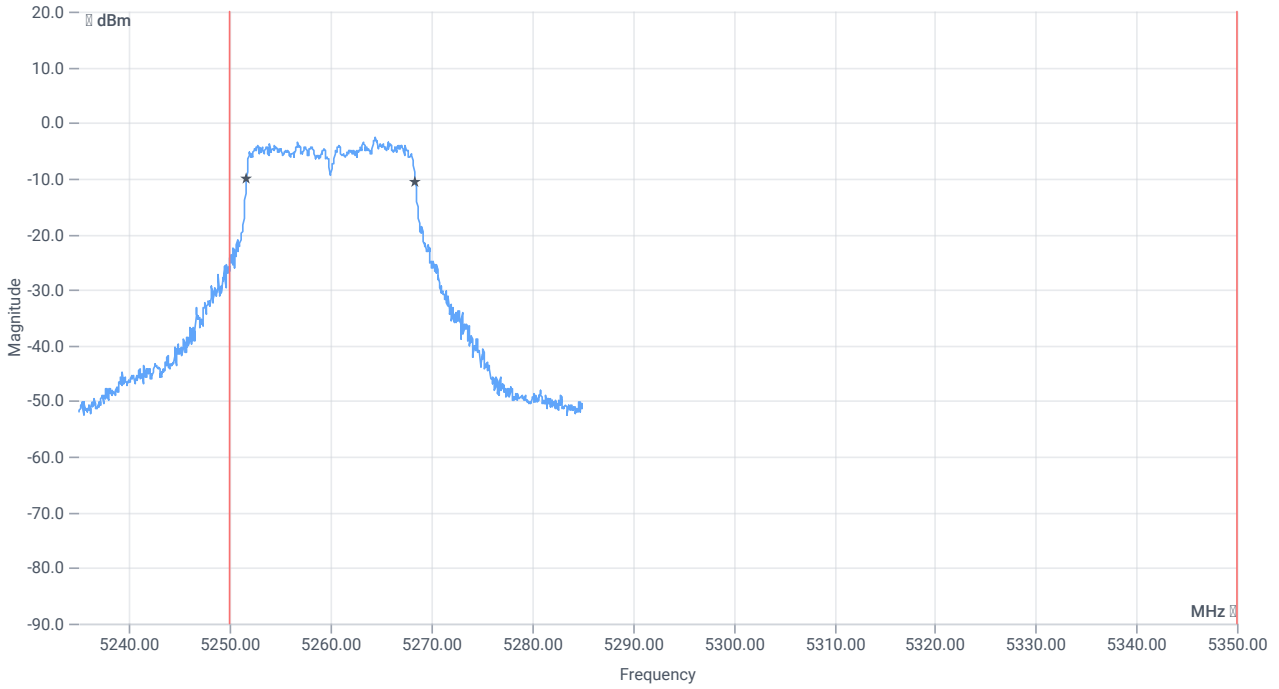
RESULT: Reference power cond.

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

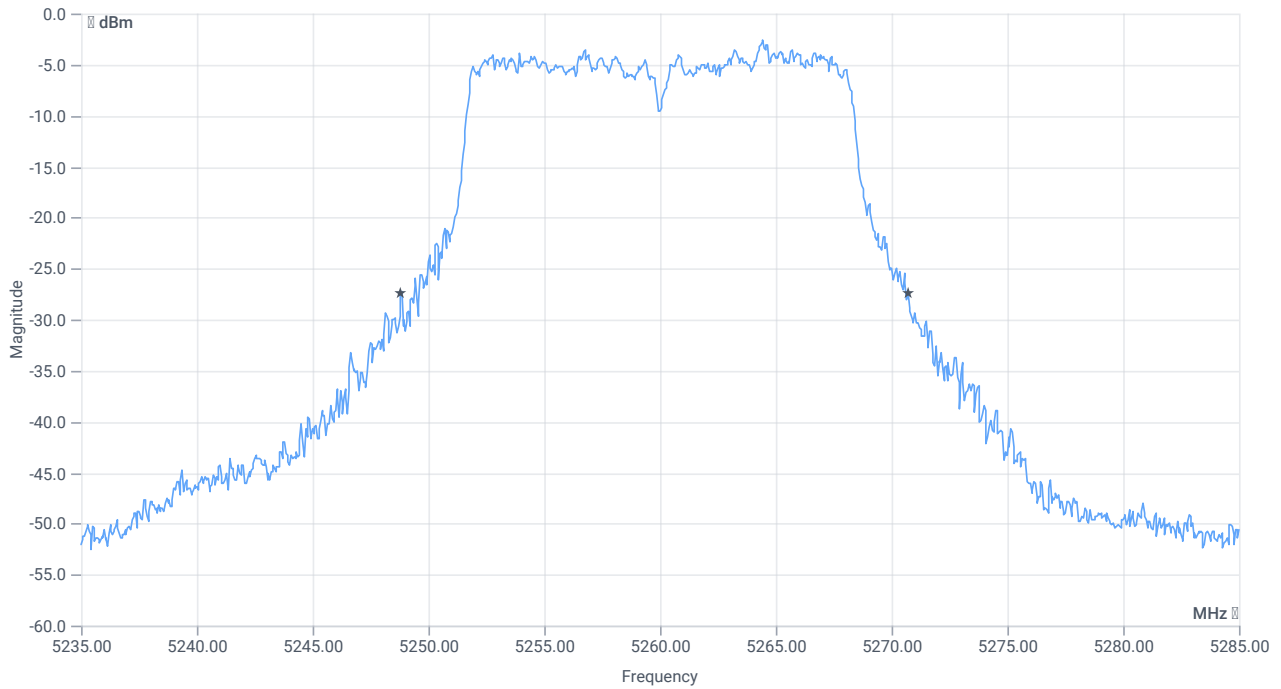




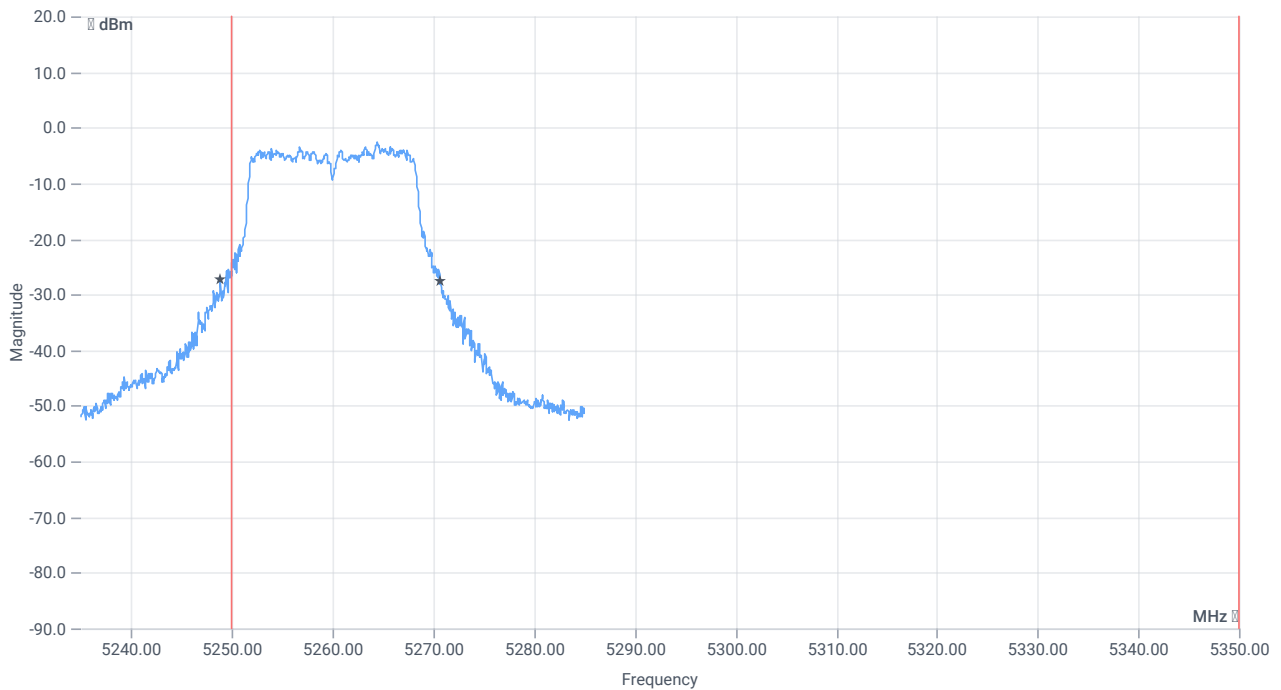
BW within band 99PCT

## 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



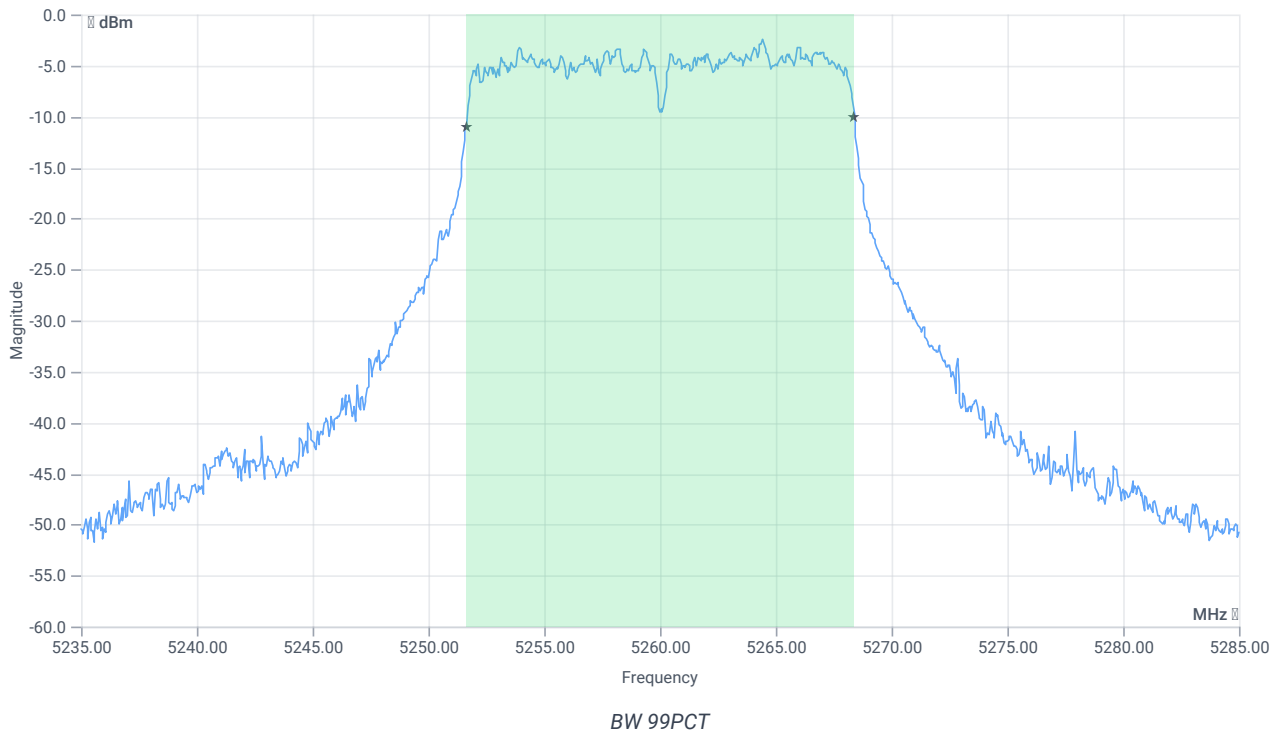
## Test at TX 5260 MHz

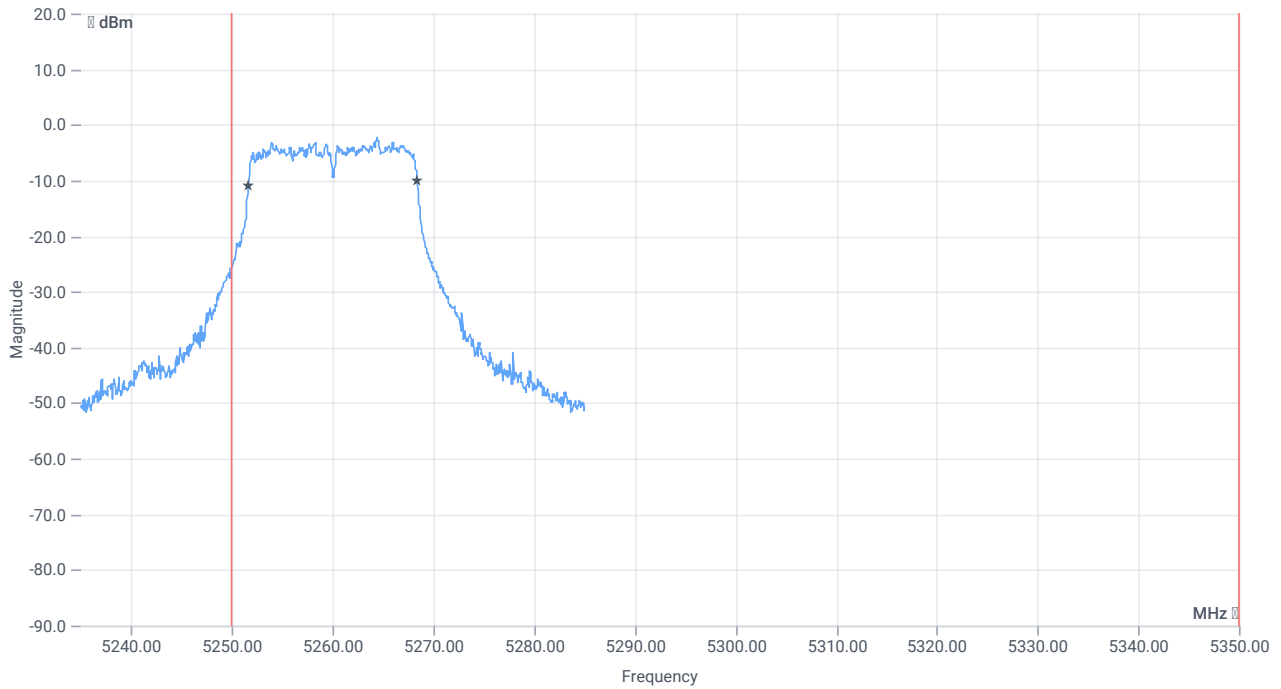
RESULT: Reference power cond.

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

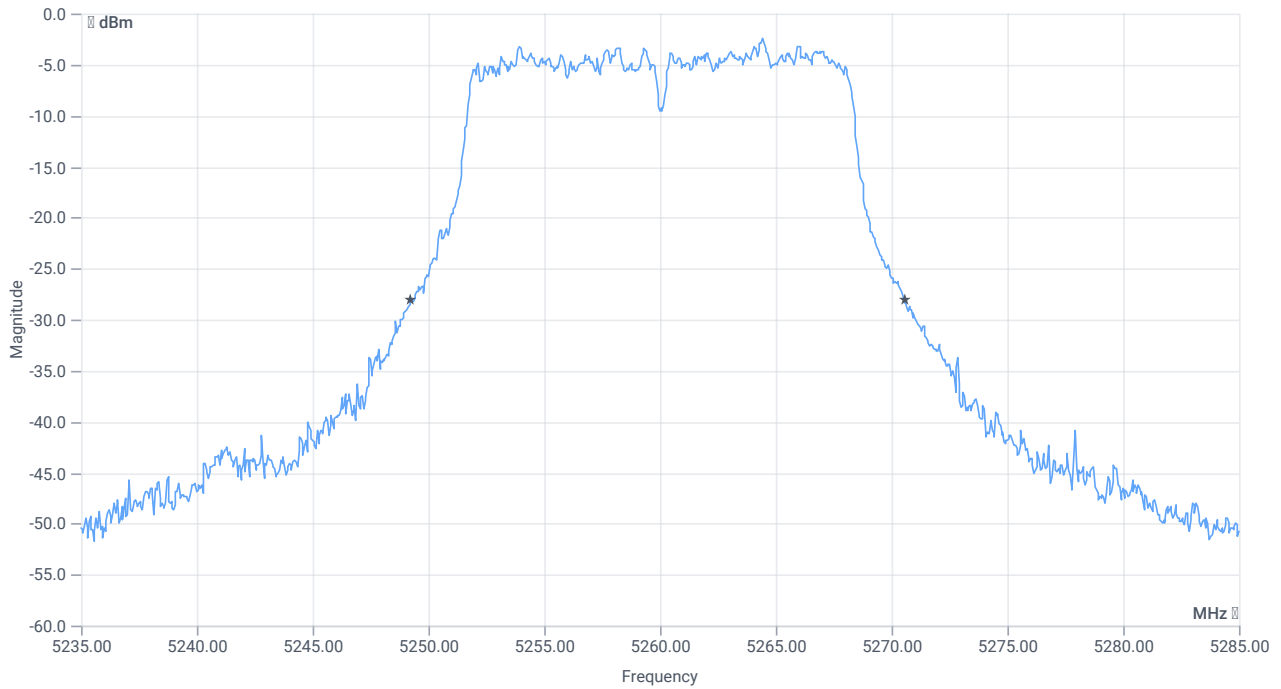




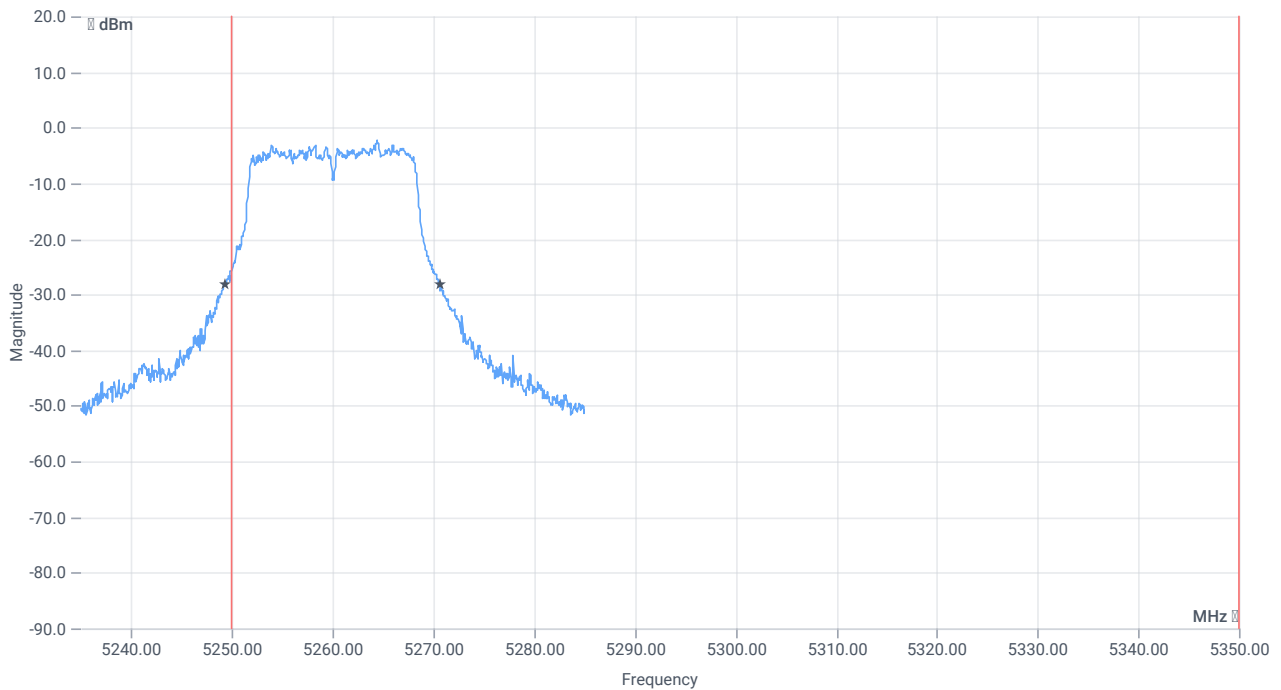
*BW within band 99PCT*

## 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

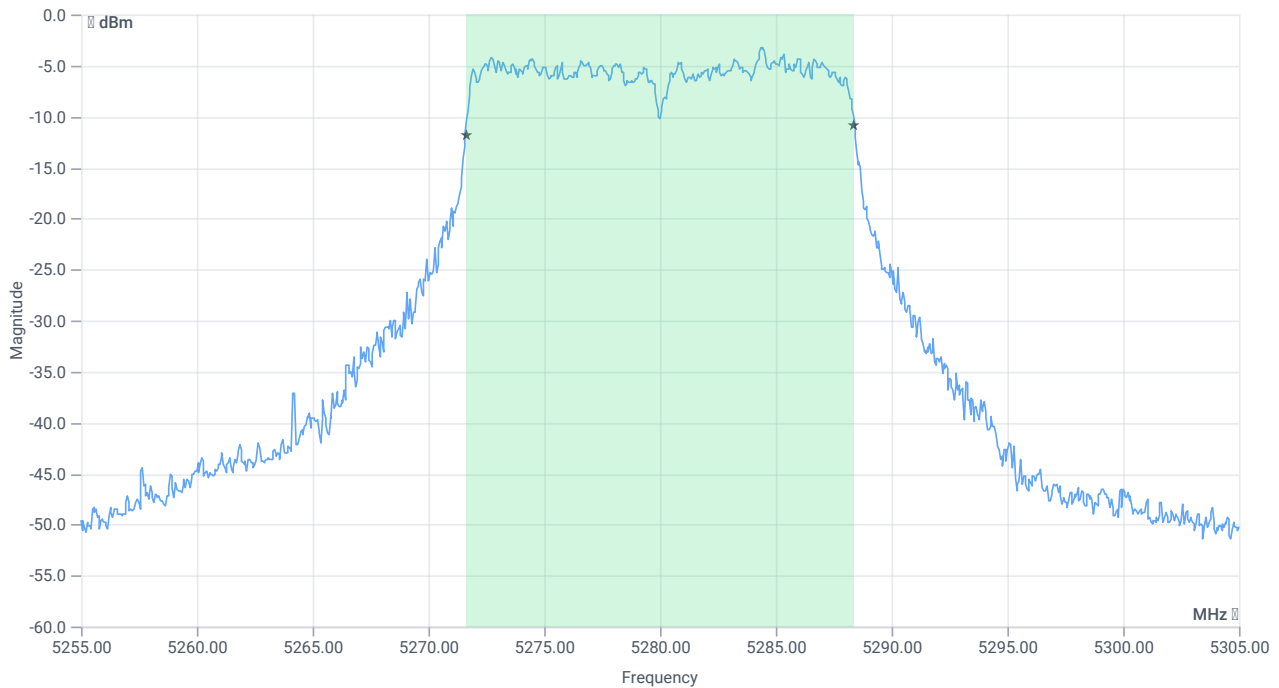
## Test at TX 5280 MHz

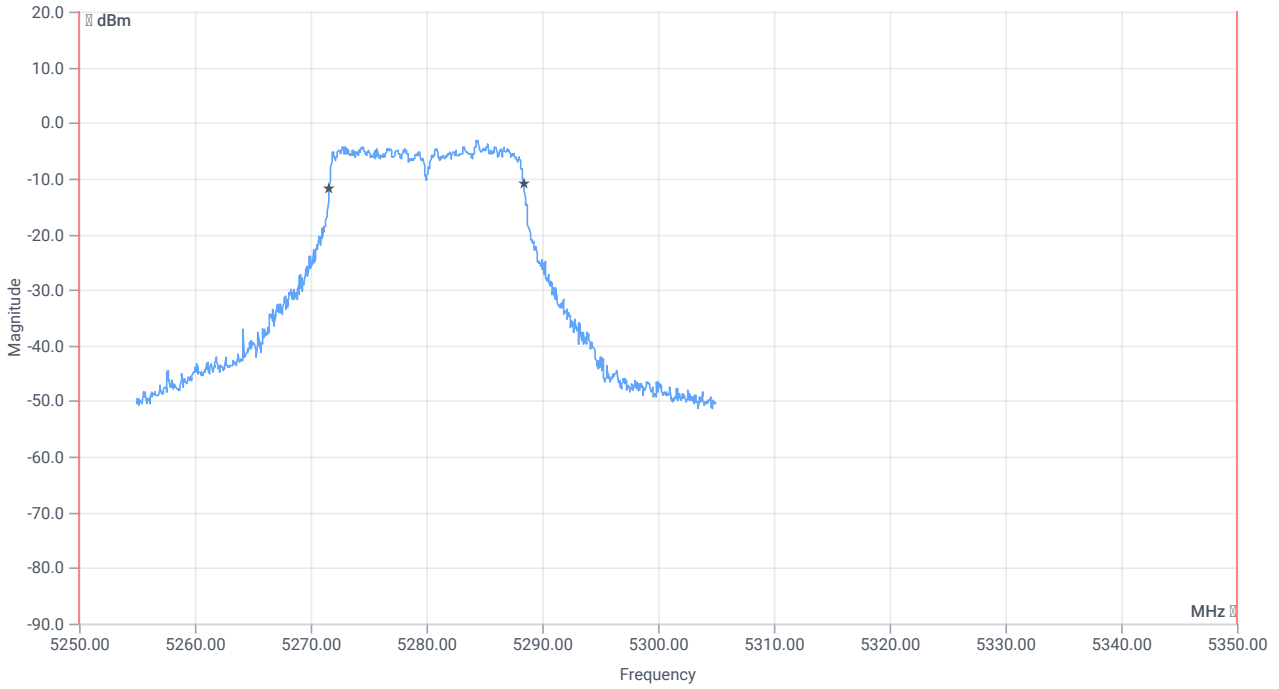
RESULT: Reference power cond.

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

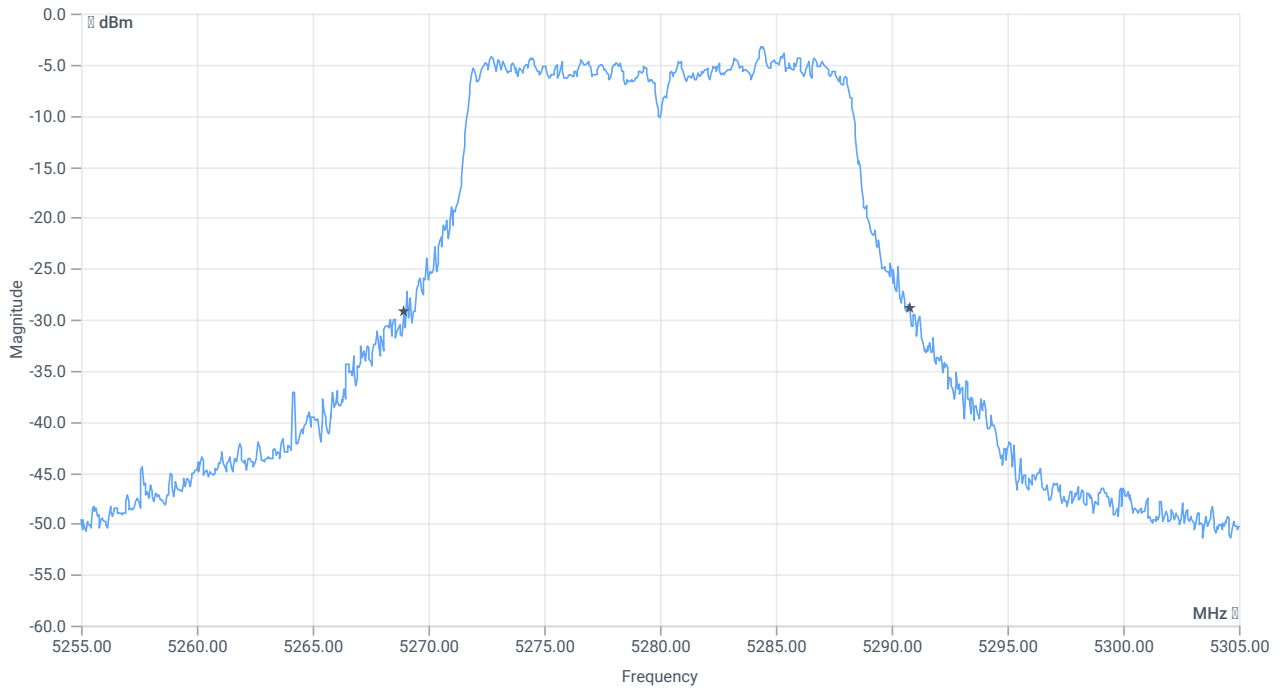




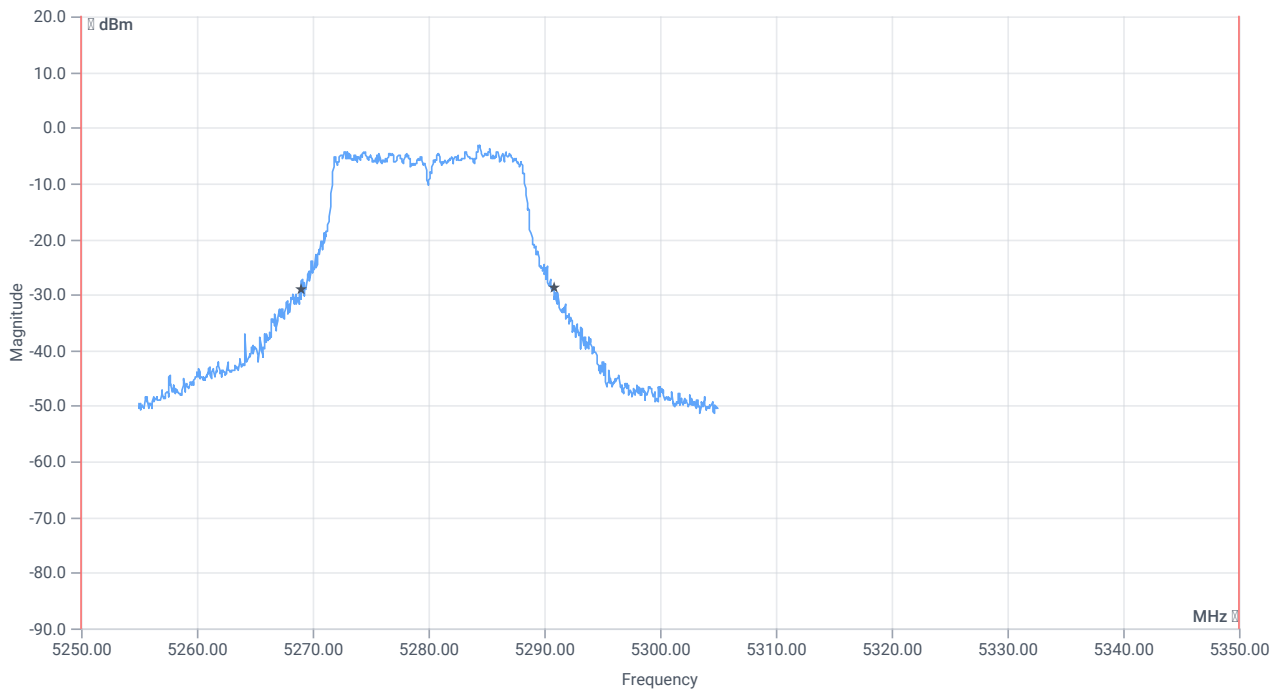
*BW within band 99PCT*

**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

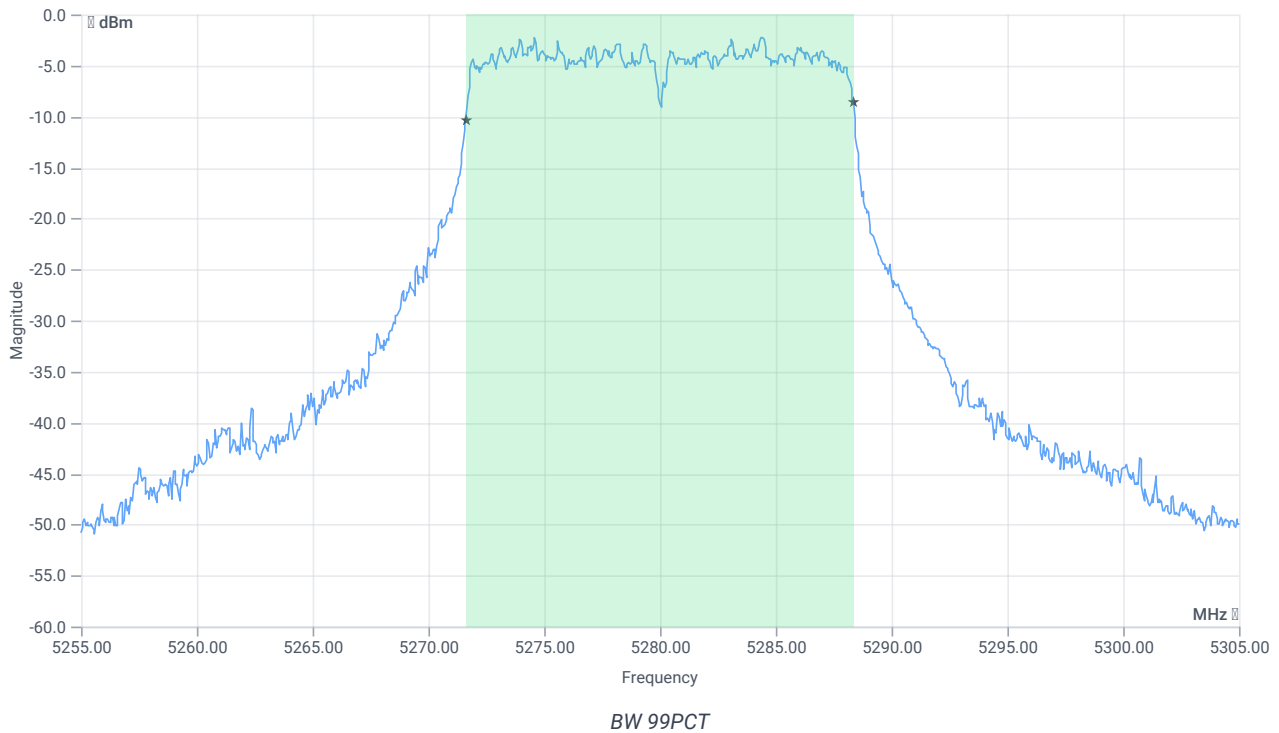
## Test at TX 5280 MHz

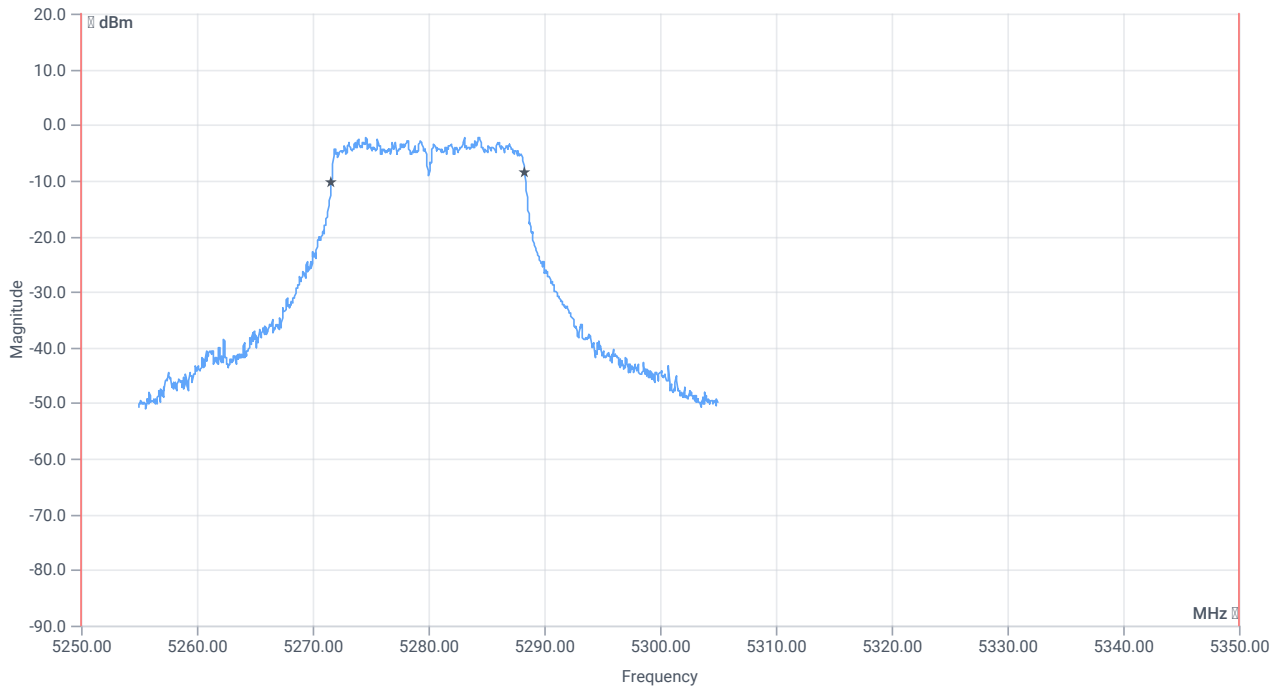
RESULT: Reference power cond.

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

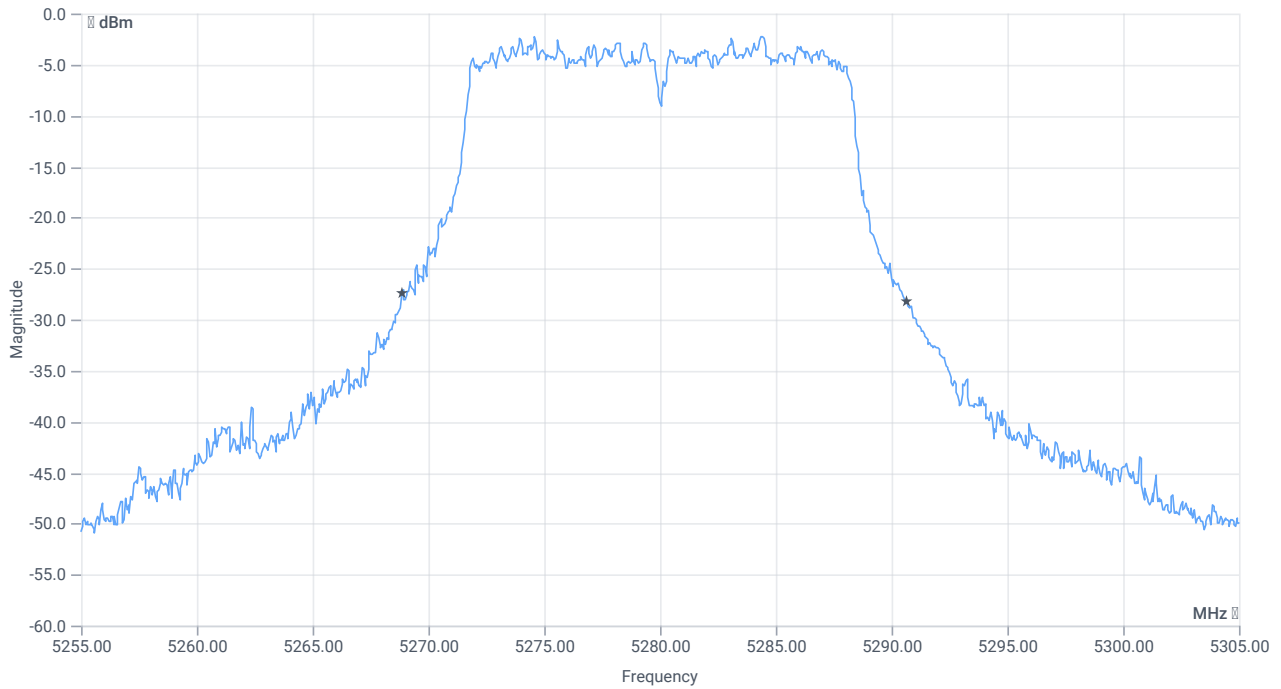




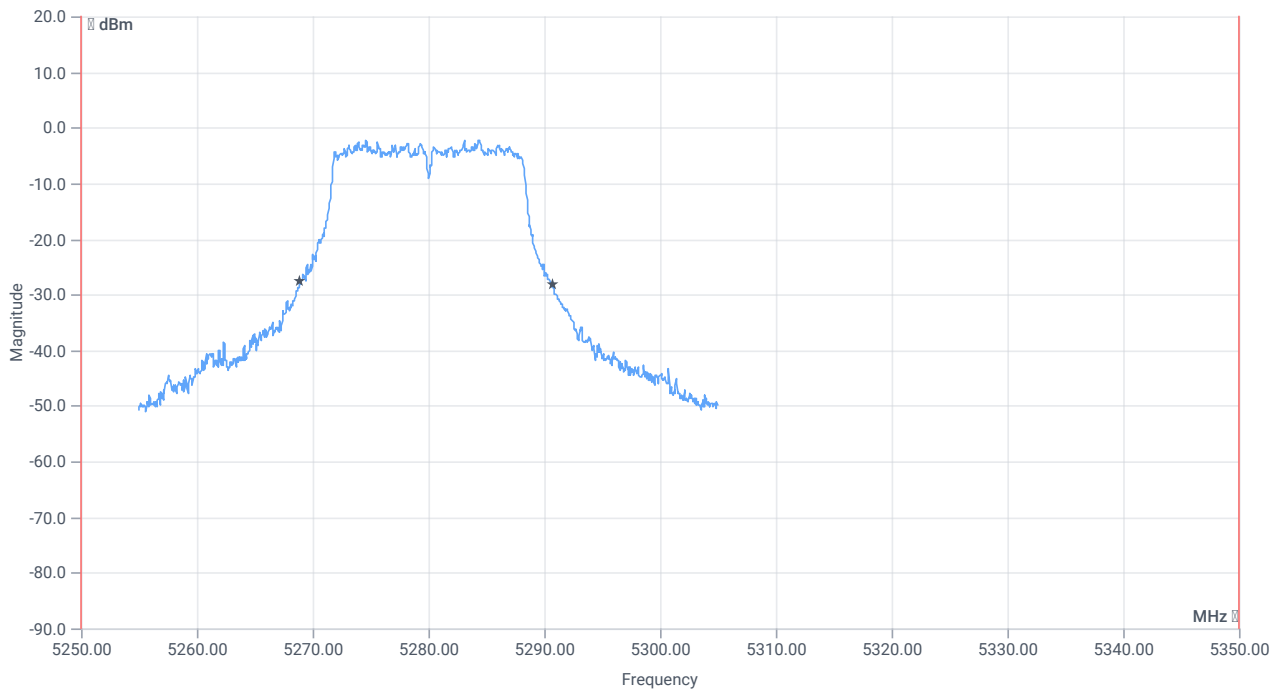
*BW within band 99PCT*

## 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

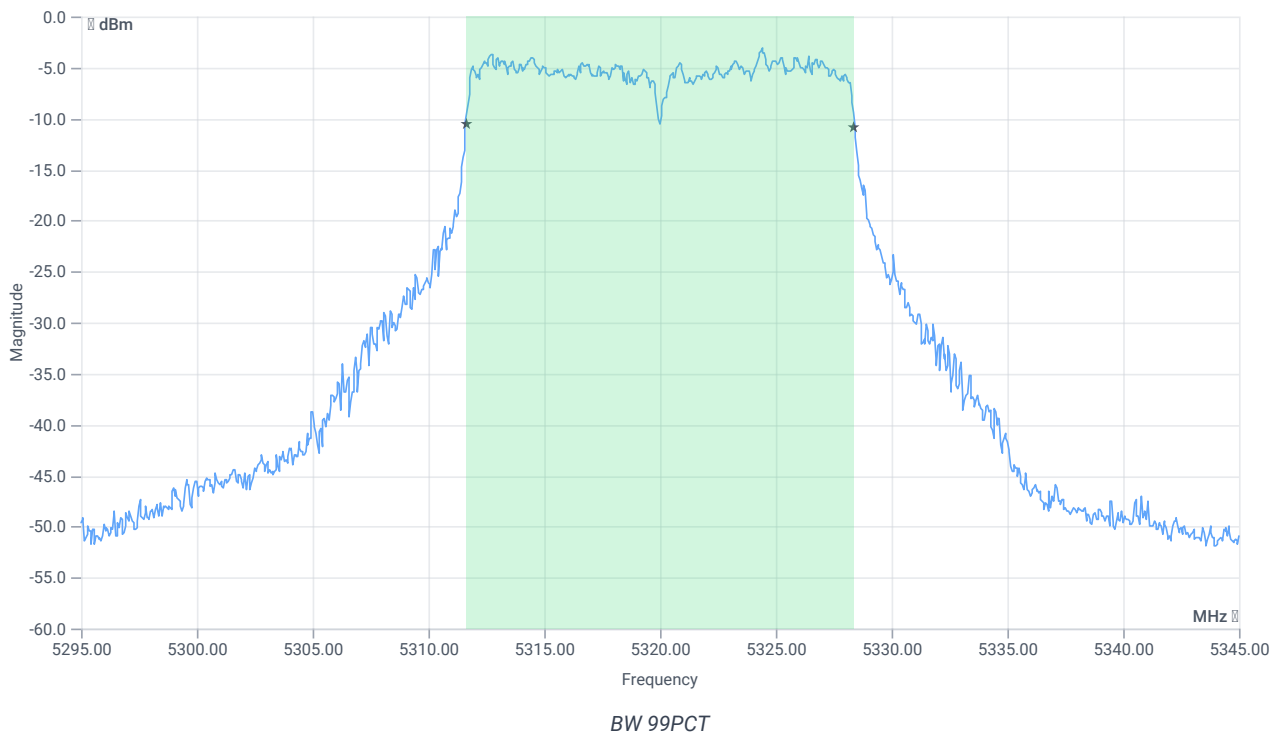
## Test at TX 5320 MHz

RESULT: Reference power cond.

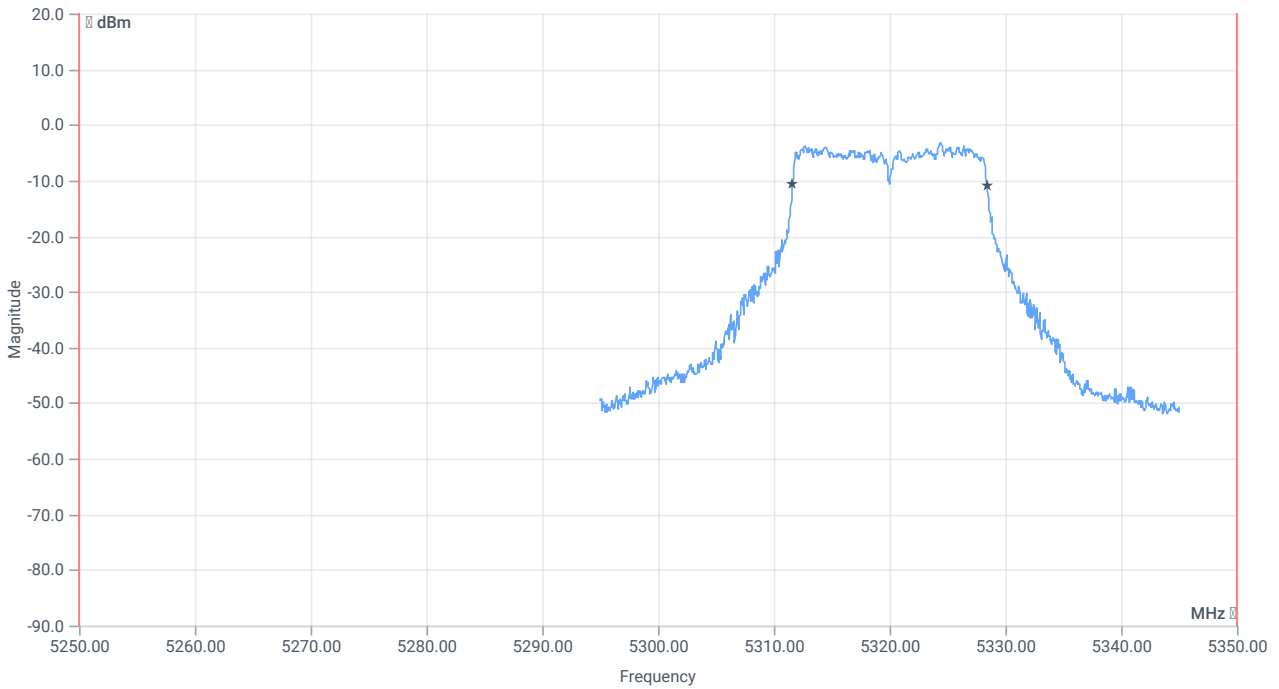
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.57	dBm	INFO
Ref. frequency	--	--	5312.610	MHz	INFO

### 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



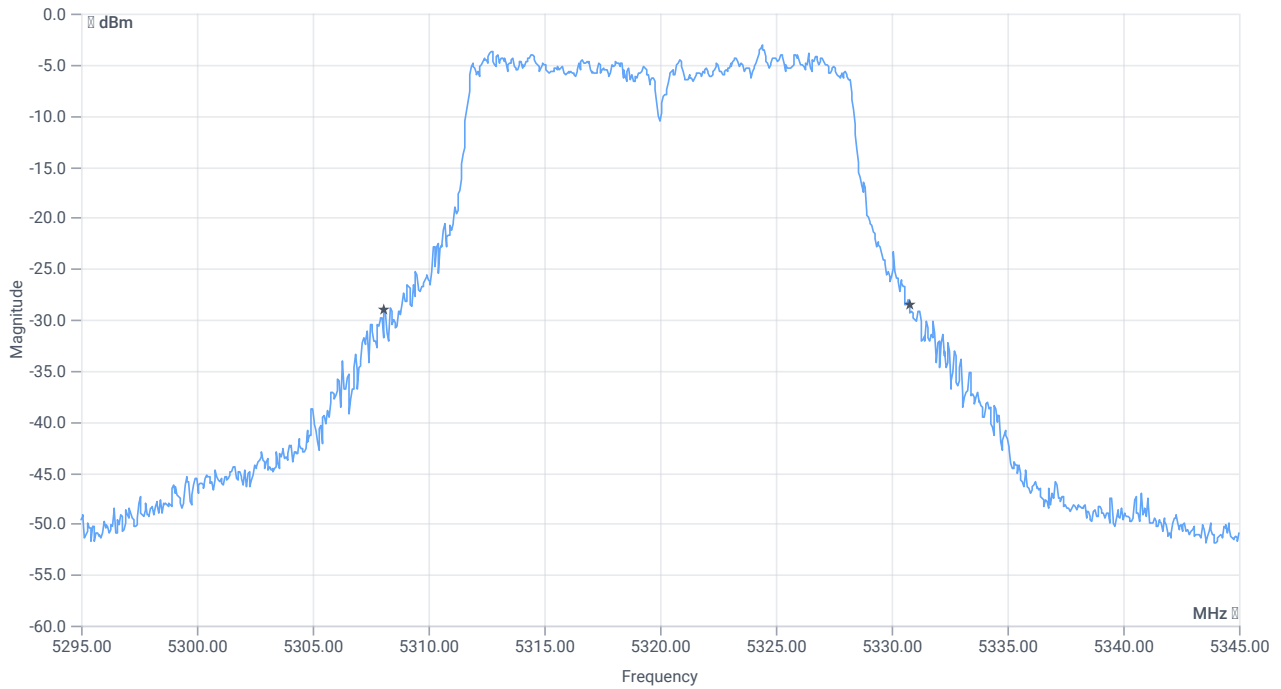




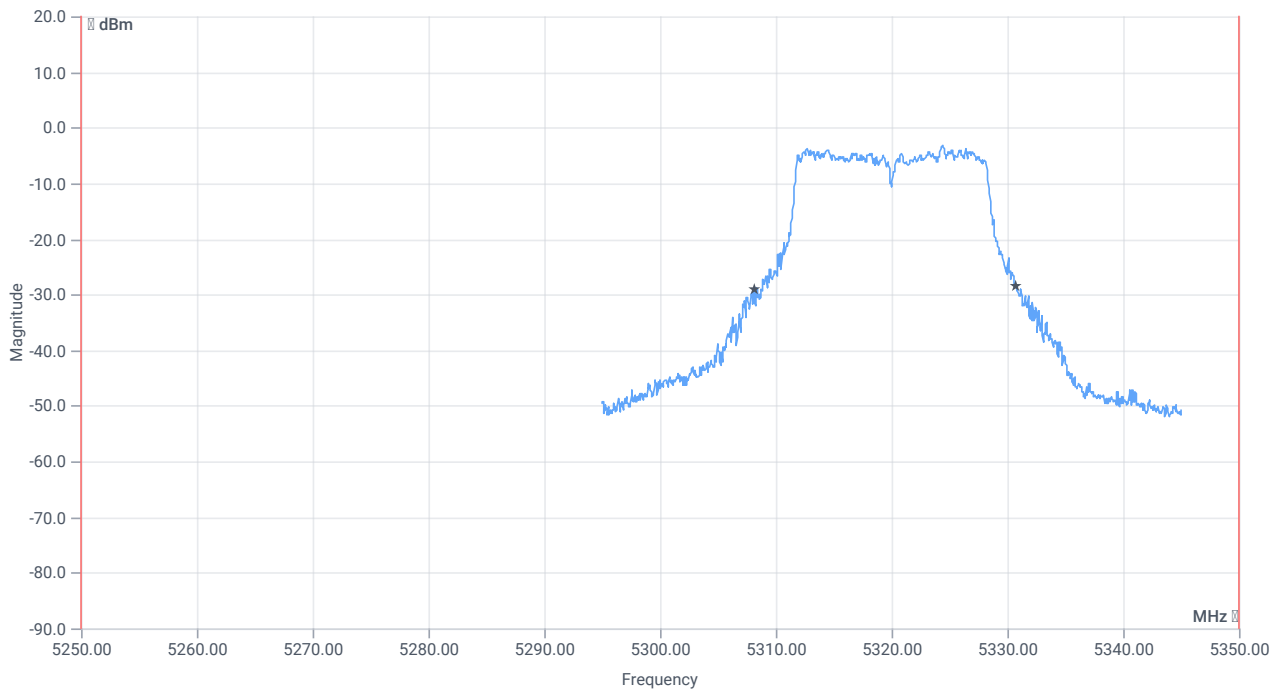
*BW within band 99PCT*

## 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

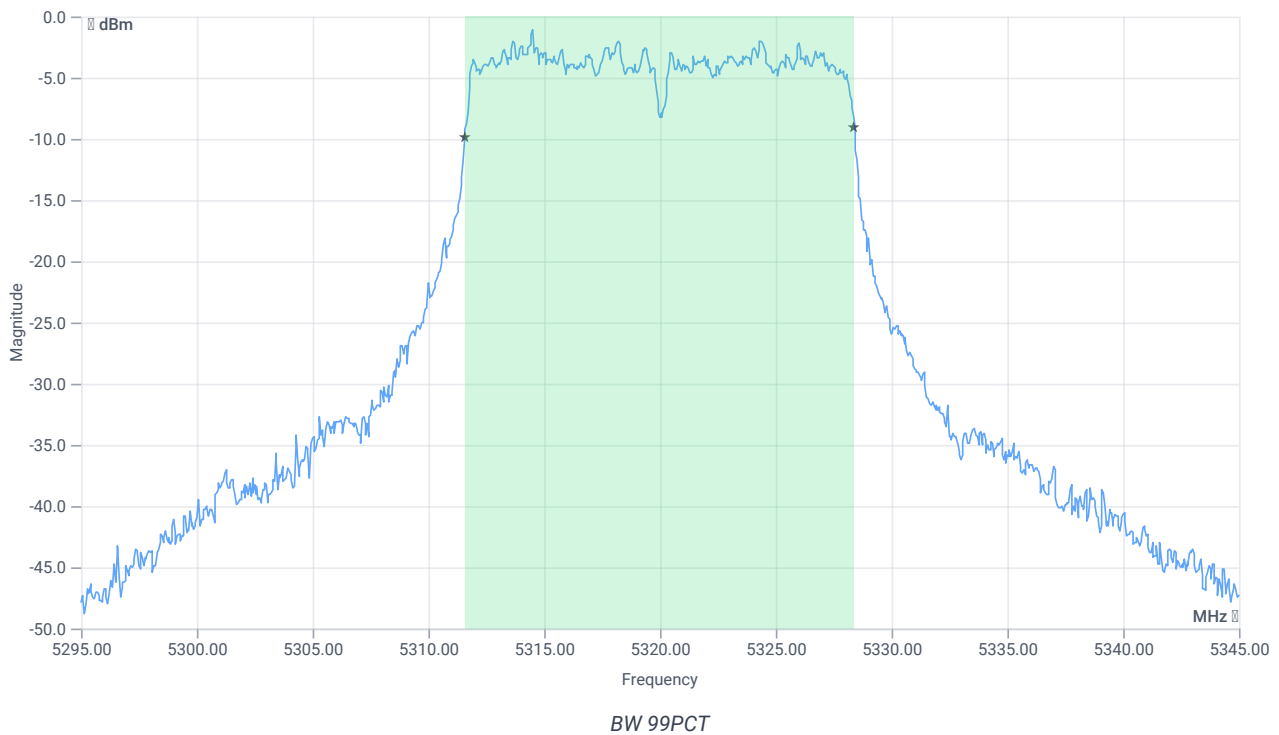
## Test at TX 5320 MHz

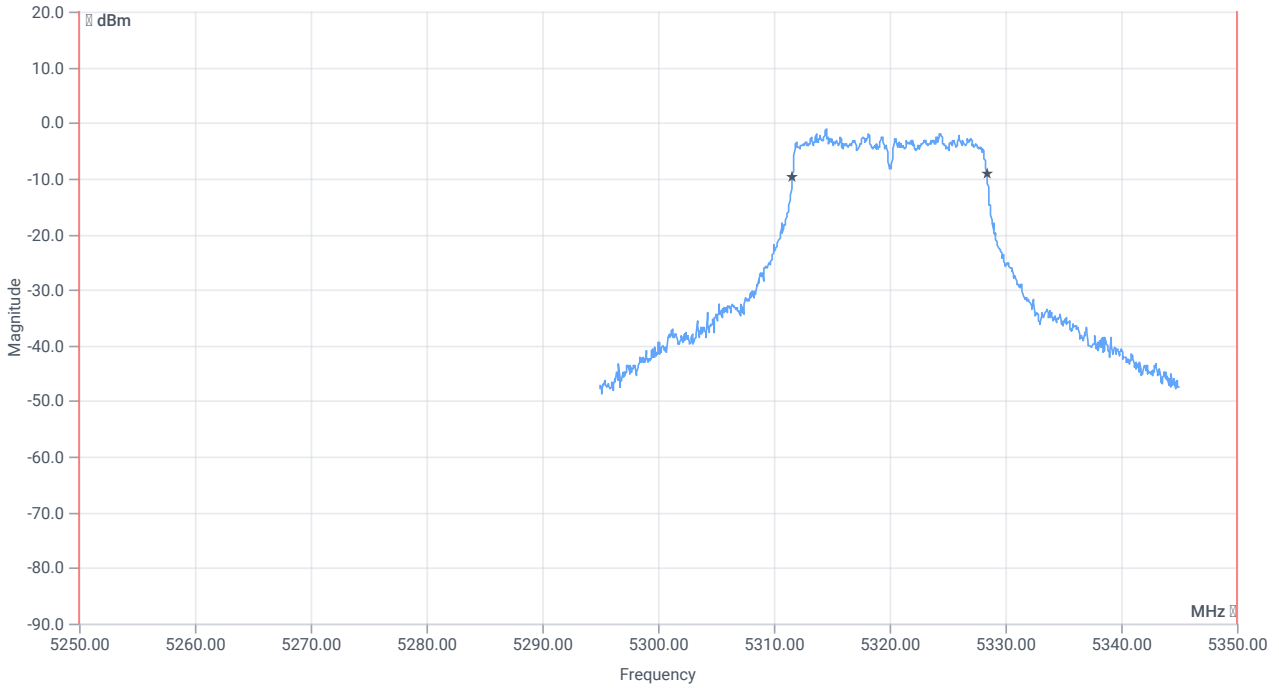
RESULT: Reference power cond.

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

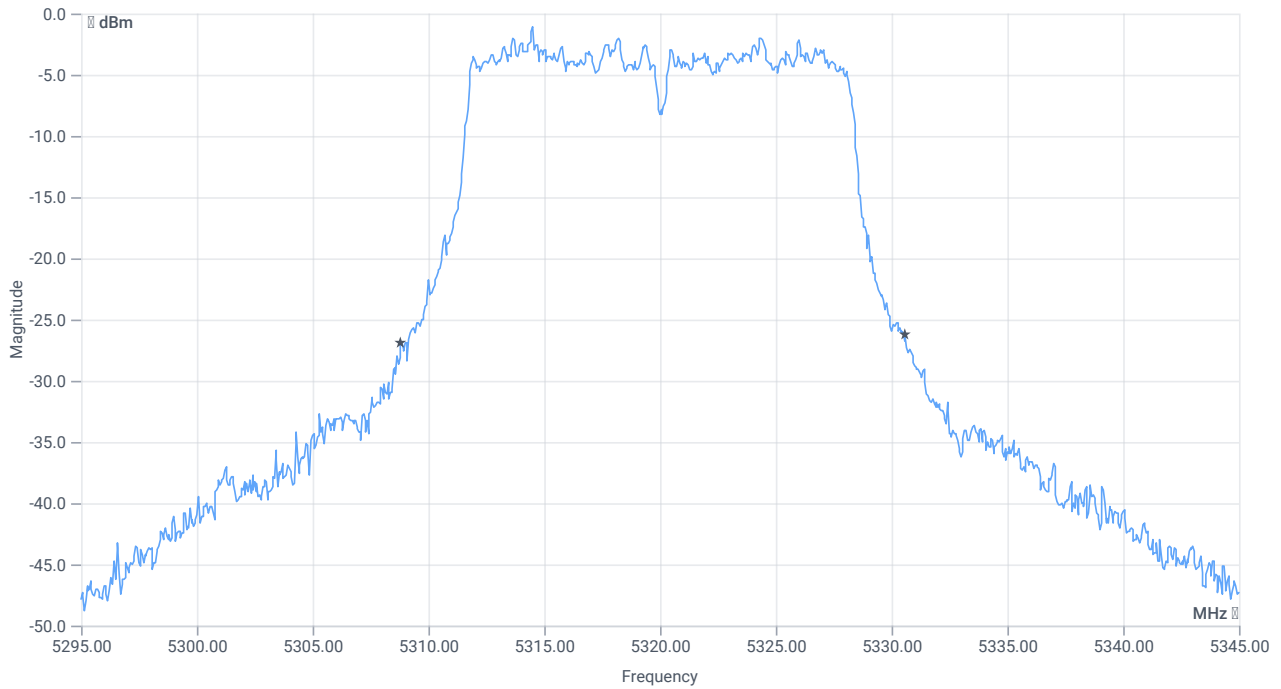




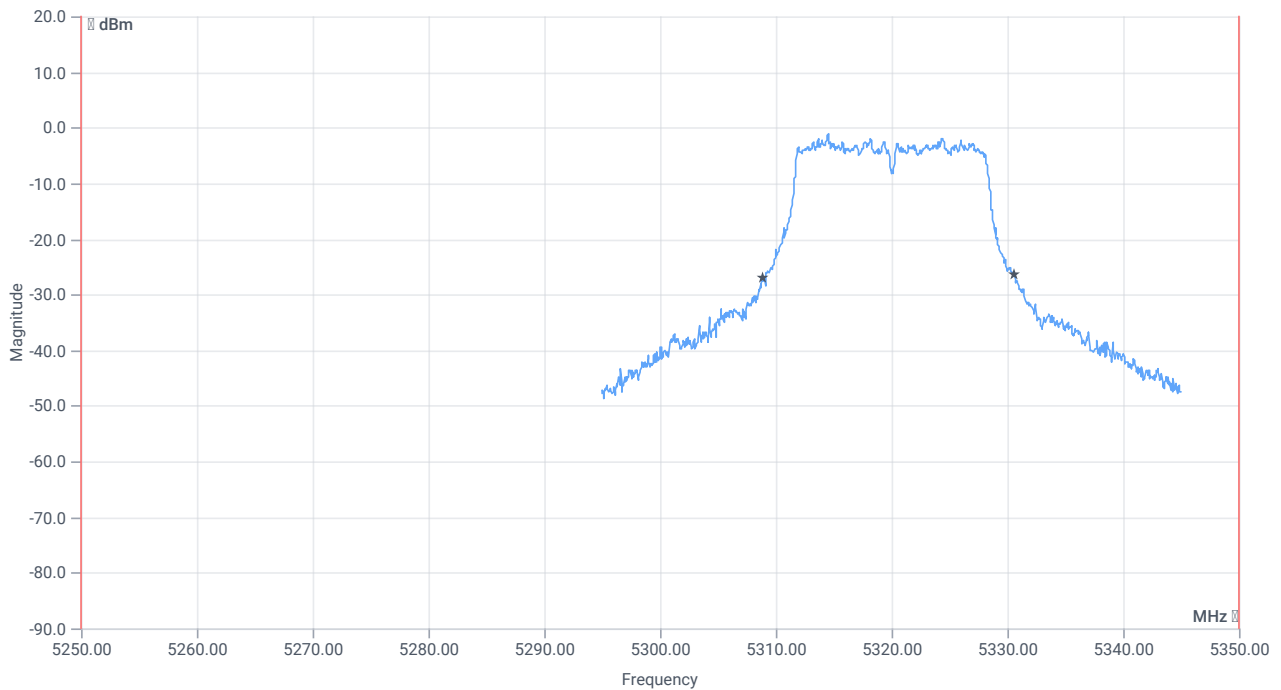
*BW within band 99PCT*

## 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-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

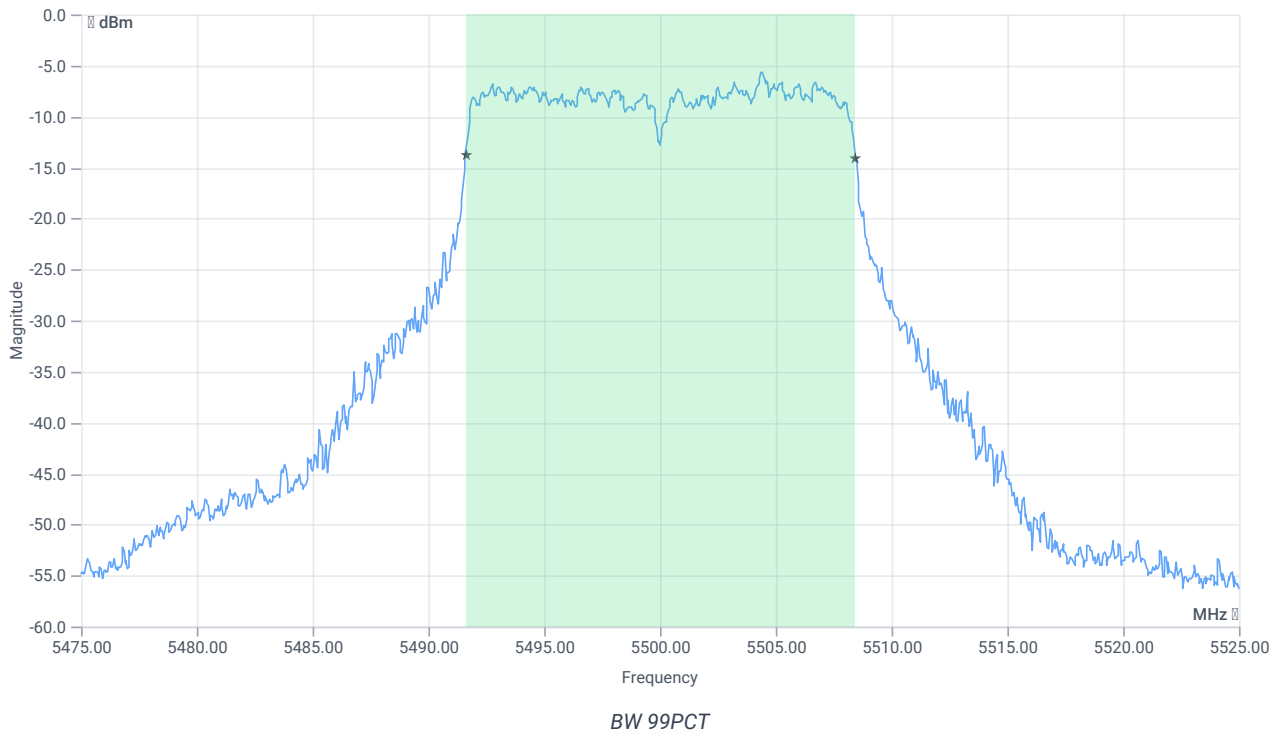
## Test at TX 5500 MHz

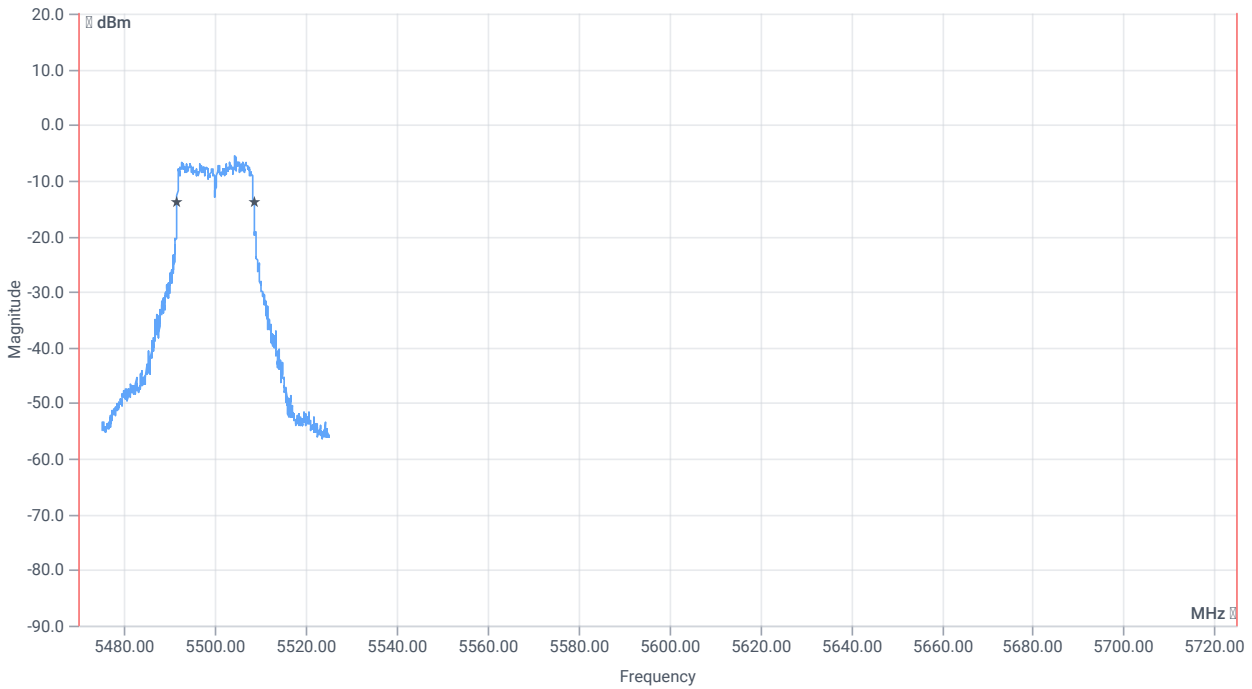
RESULT: Reference power cond.

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

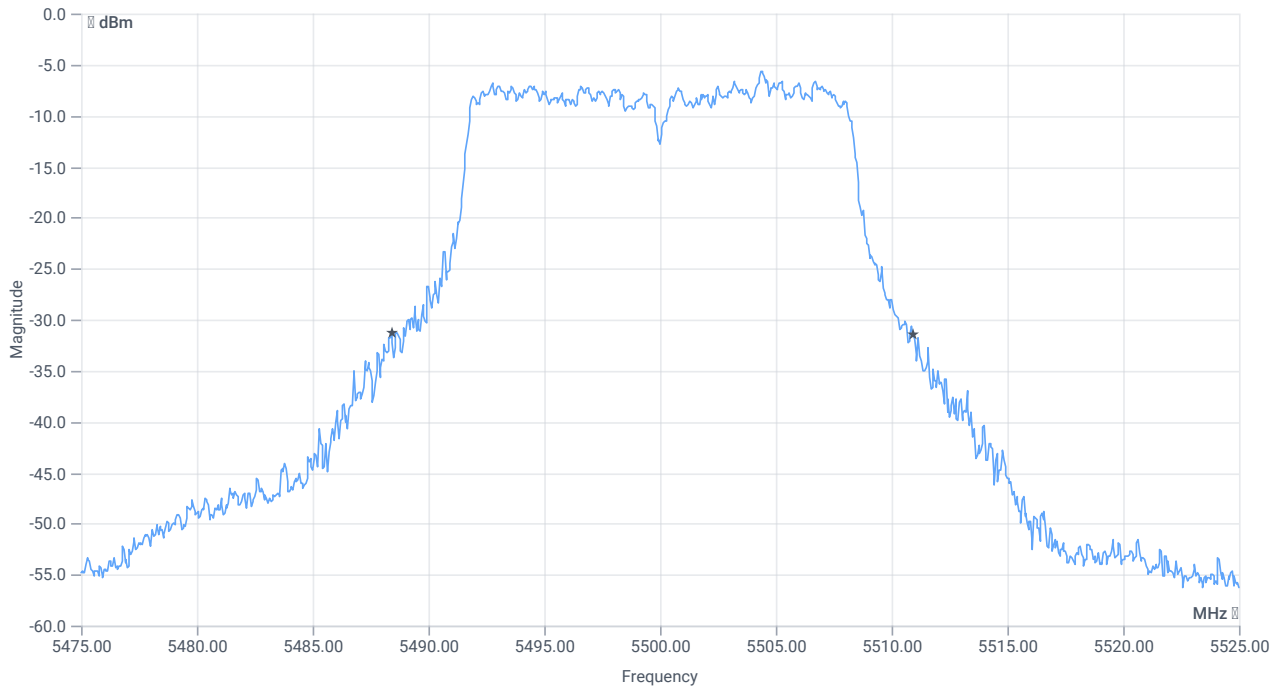




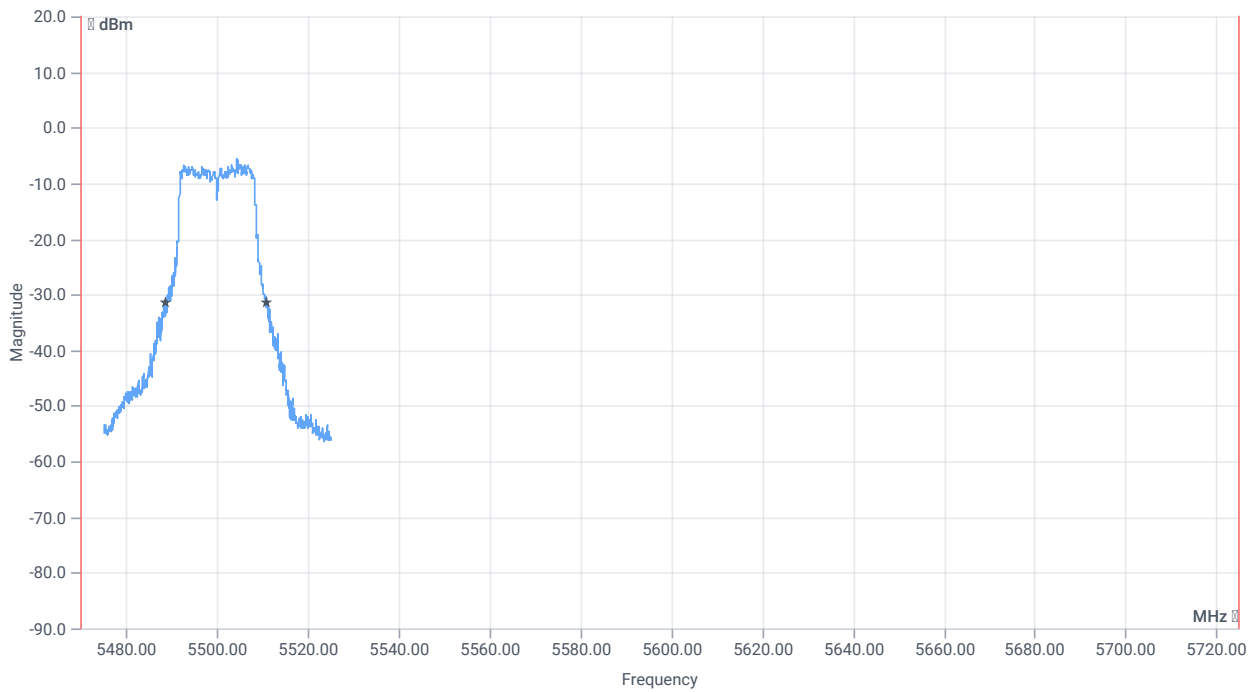
*BW within band 99PCT*

## 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

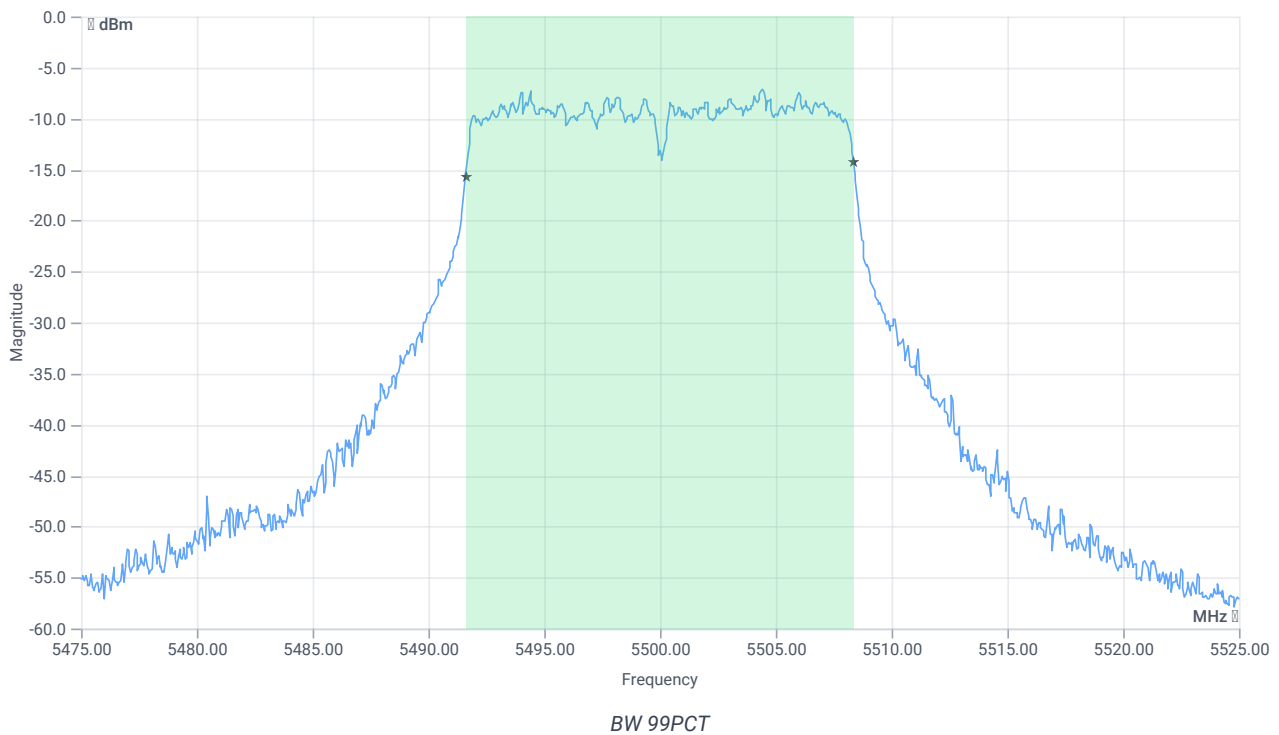
## Test at TX 5500 MHz

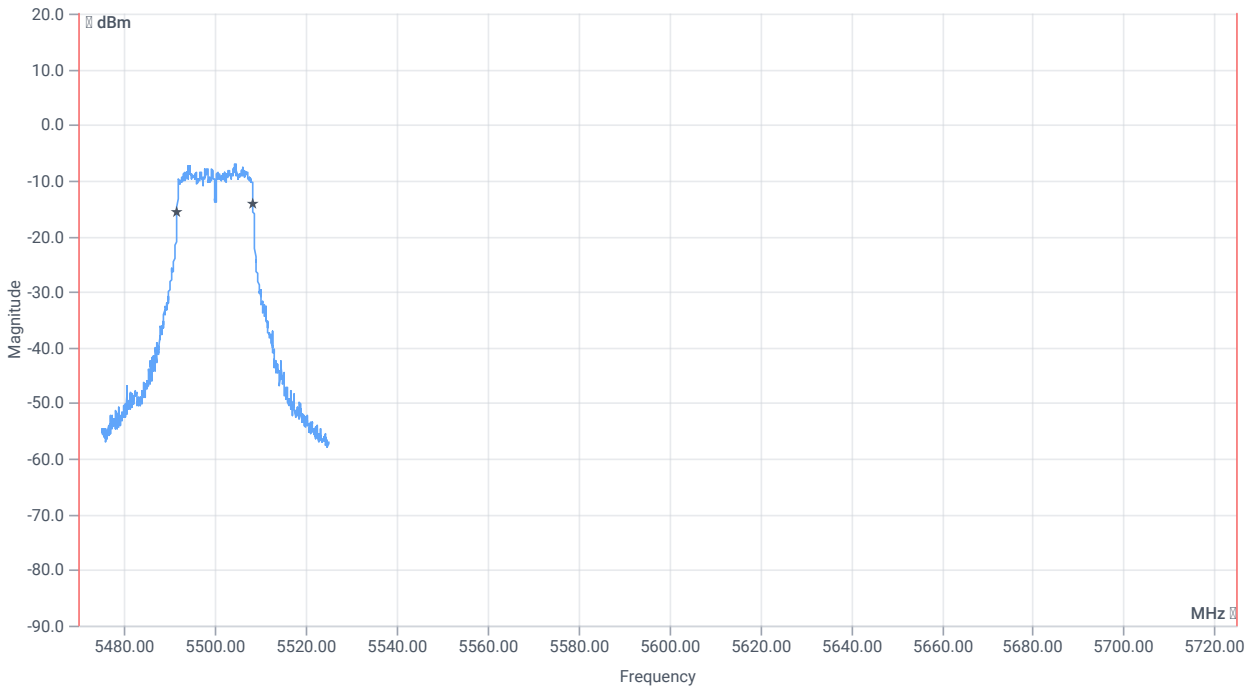
RESULT: Reference power cond.

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



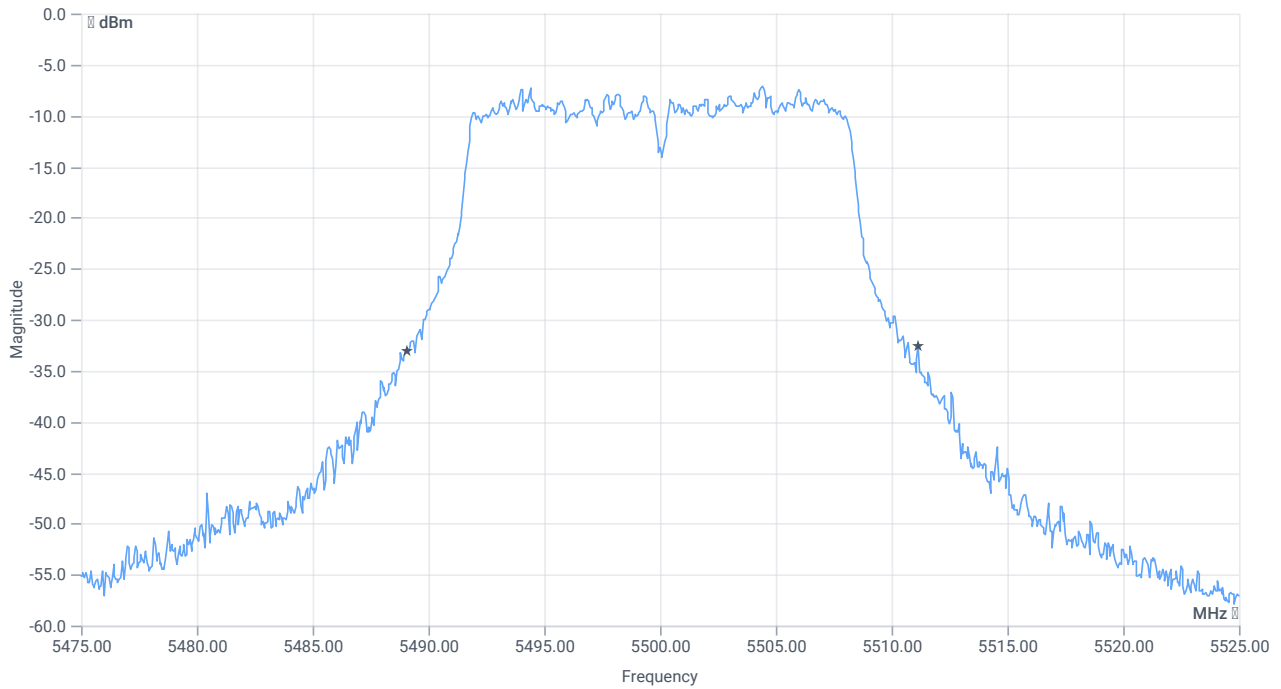


BW within band 99PCT

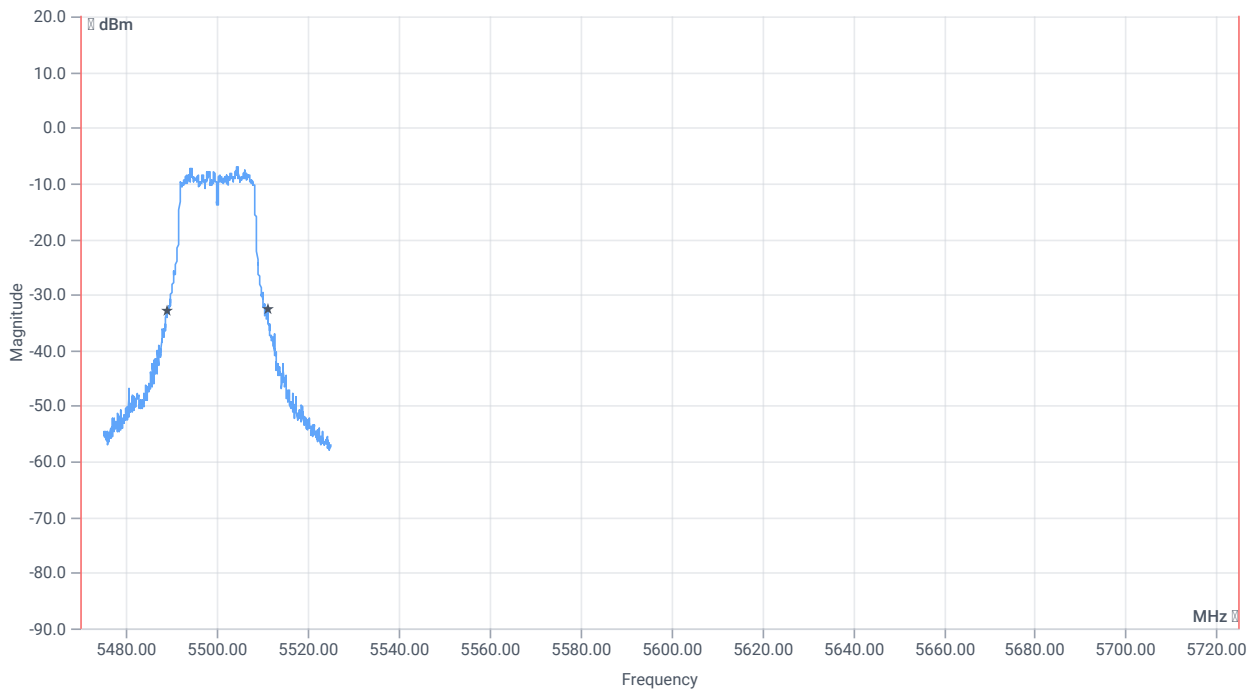
## RESULT

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

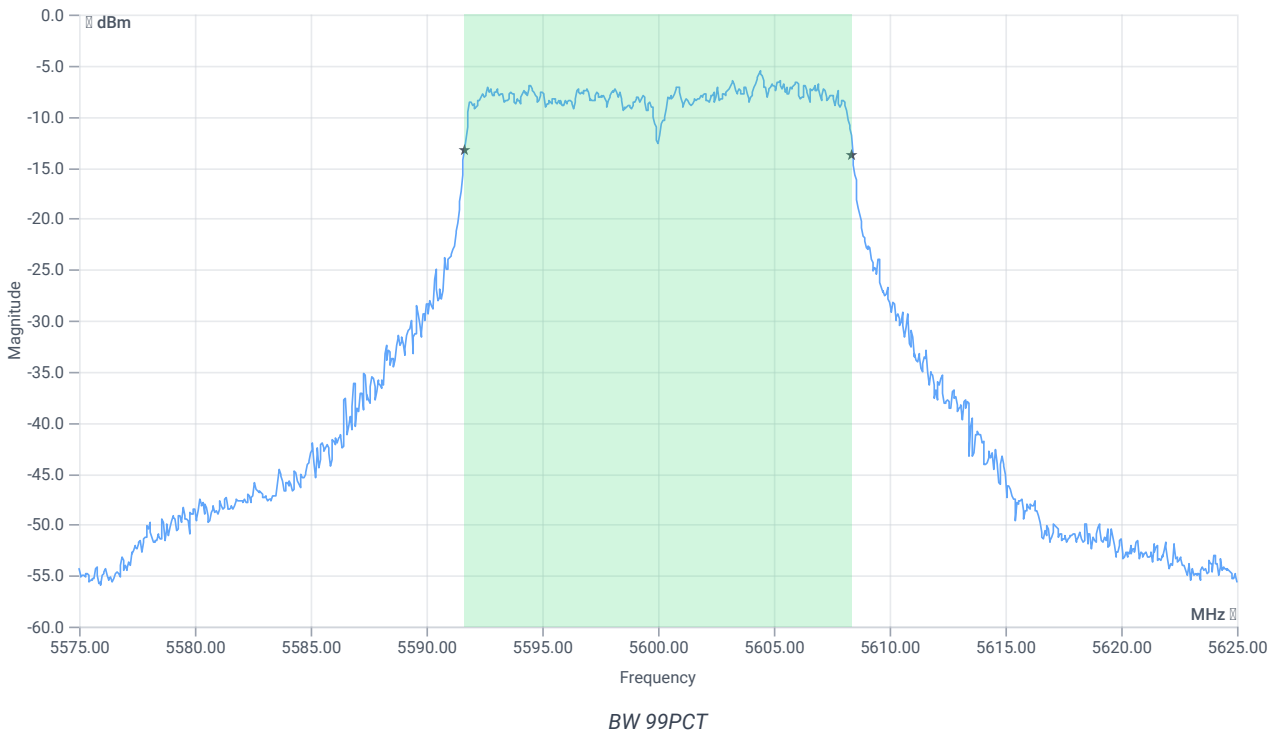
### Test at TX 5600 MHz

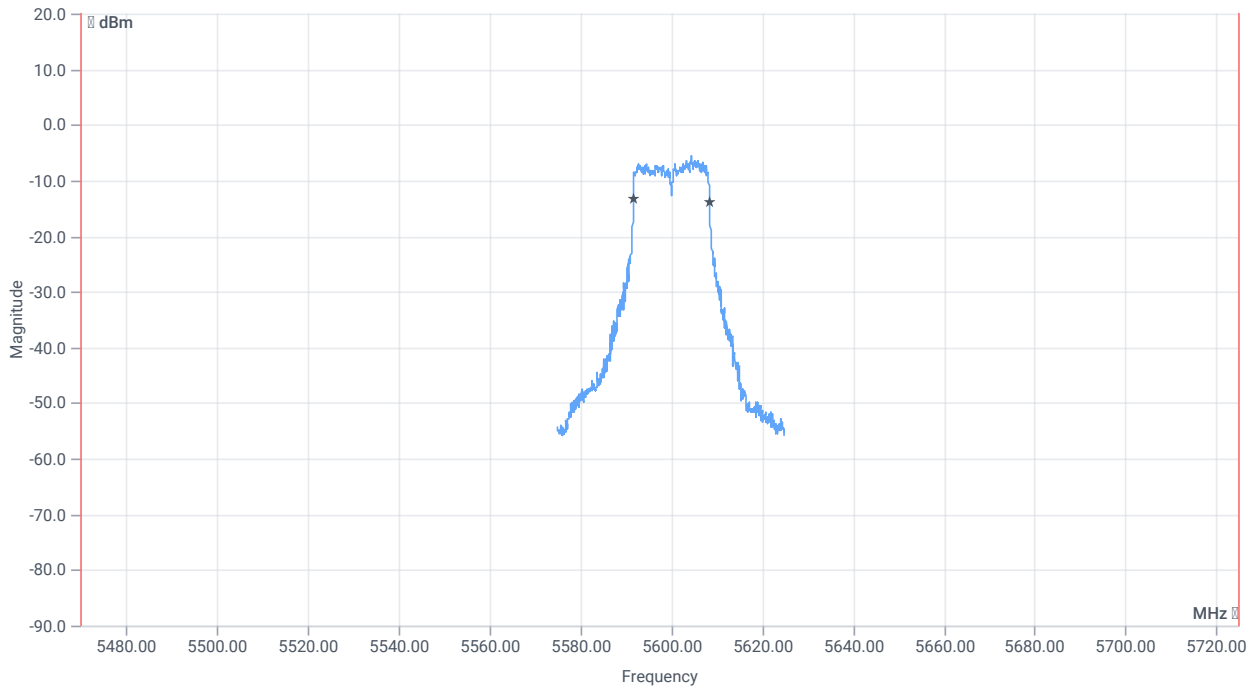
RESULT: Reference power cond.

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

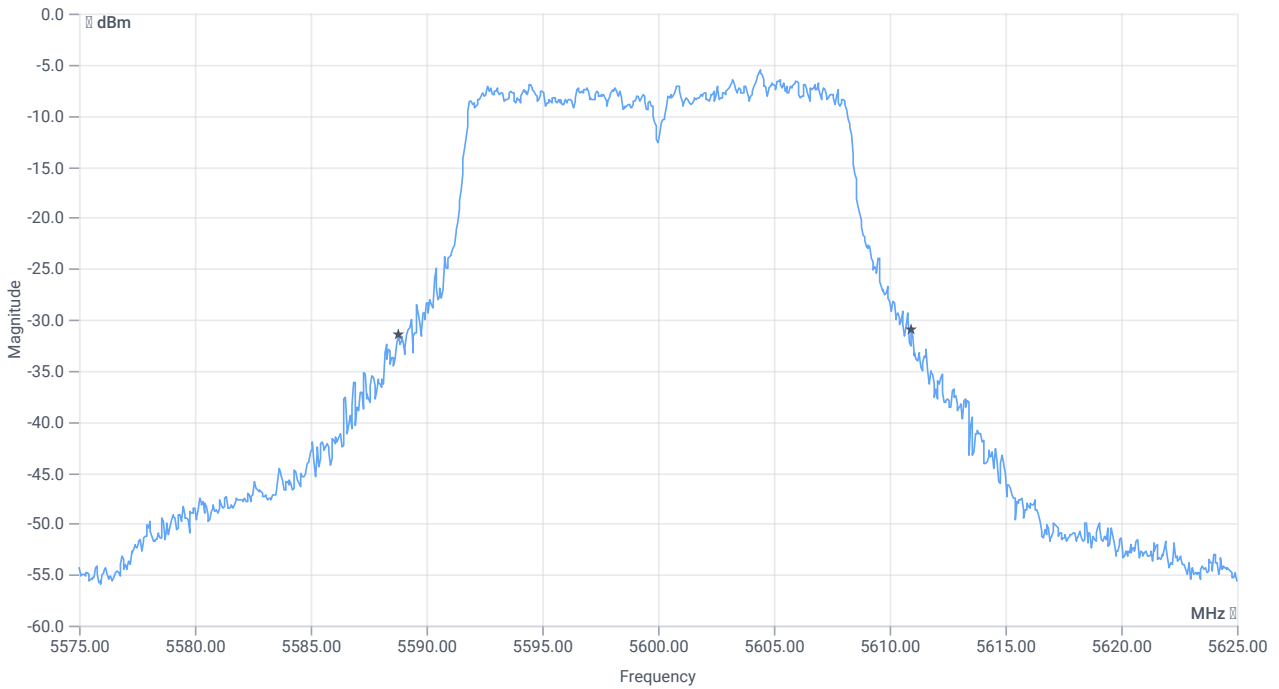




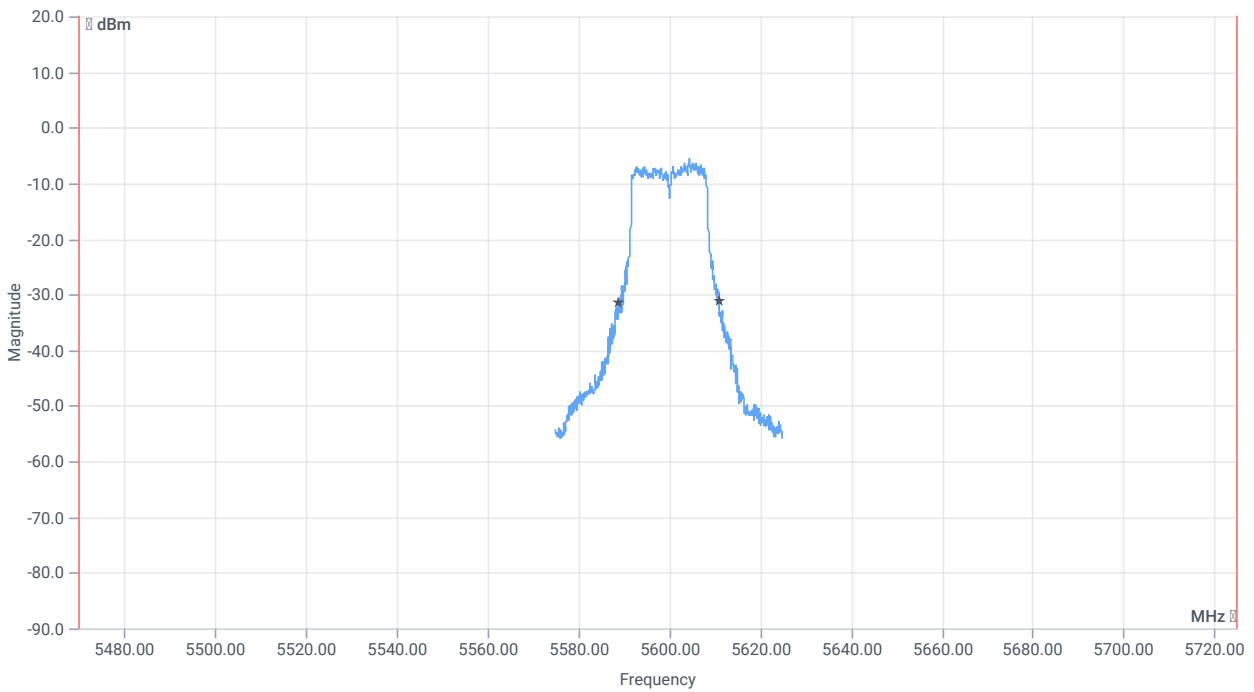
*BW within band 99PCT*

## 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



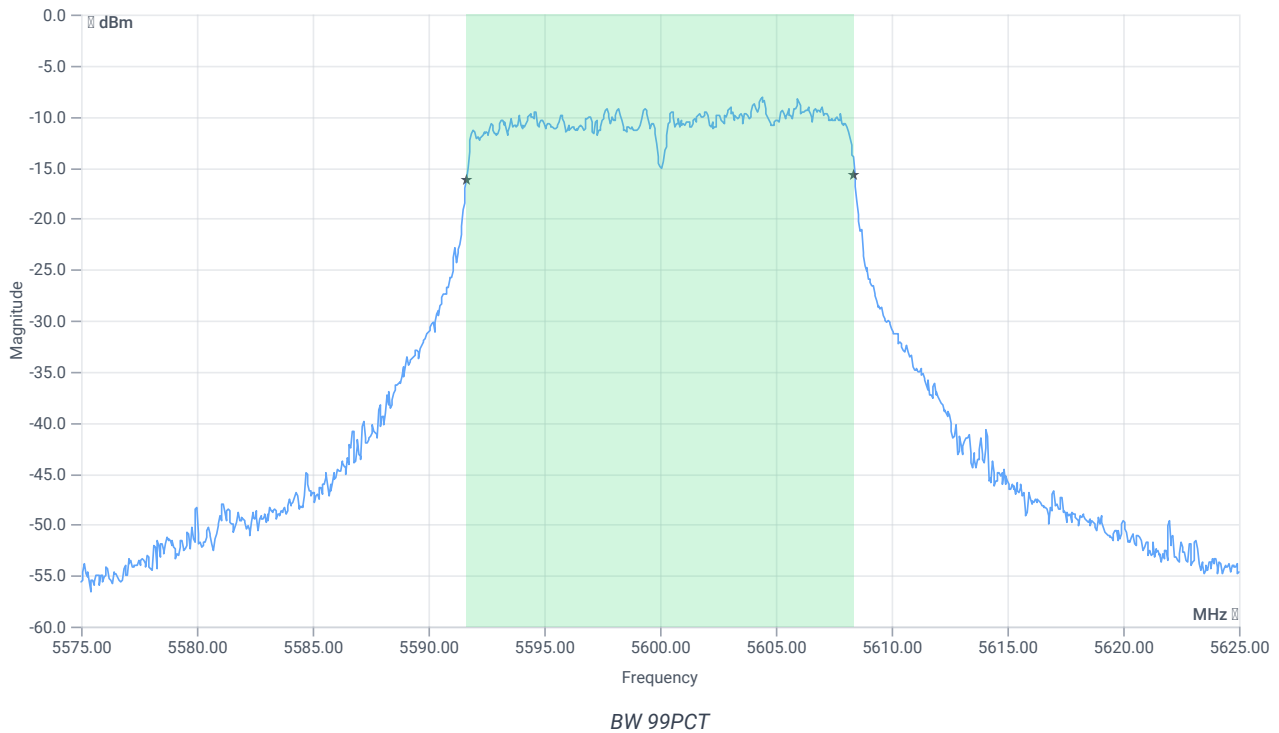
## Test at TX 5600 MHz

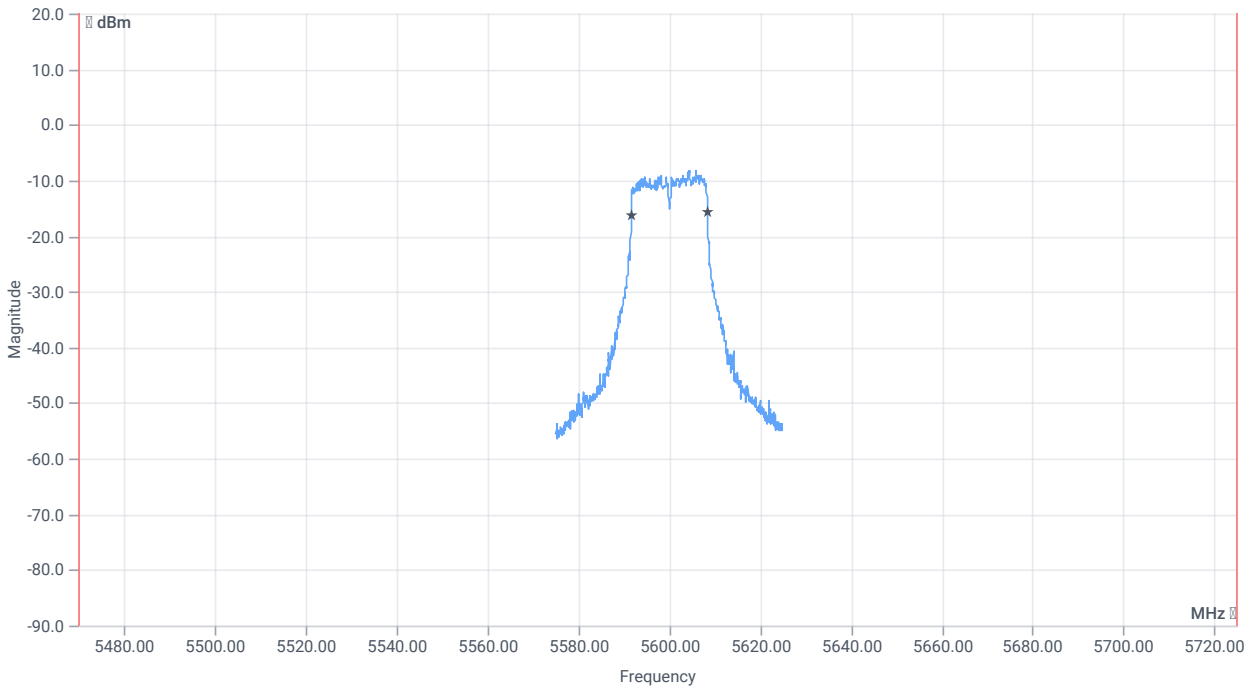
RESULT: Reference power cond.

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

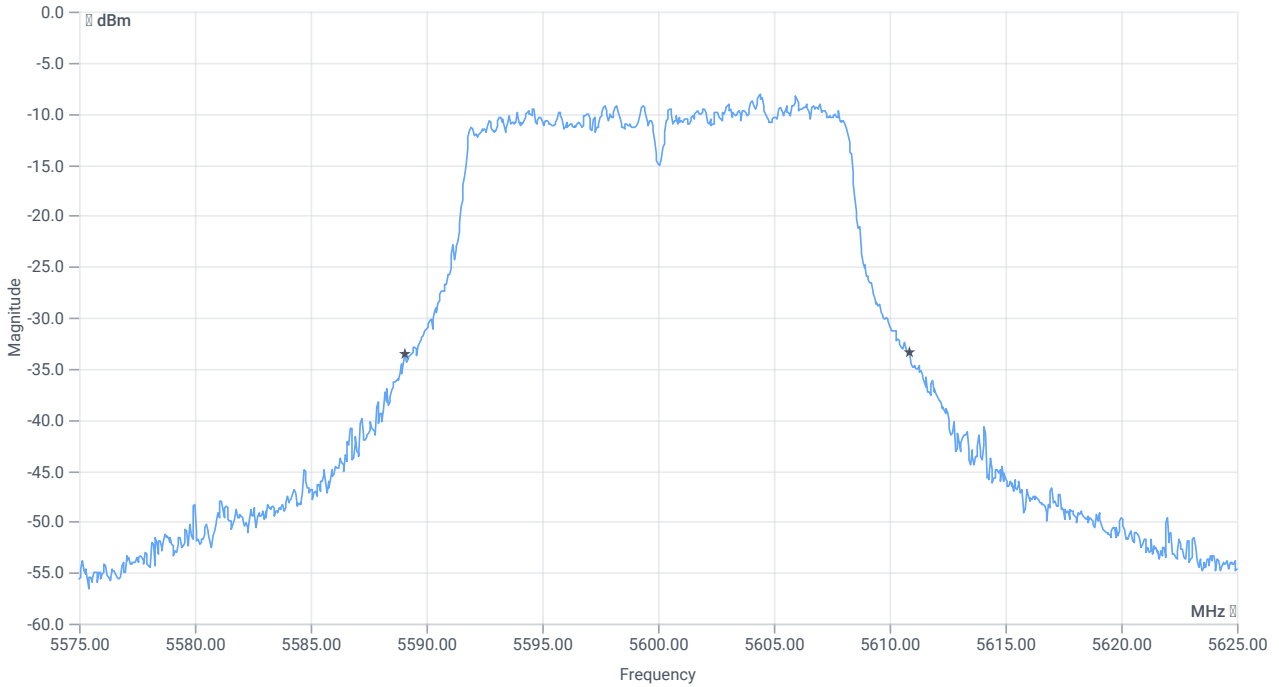




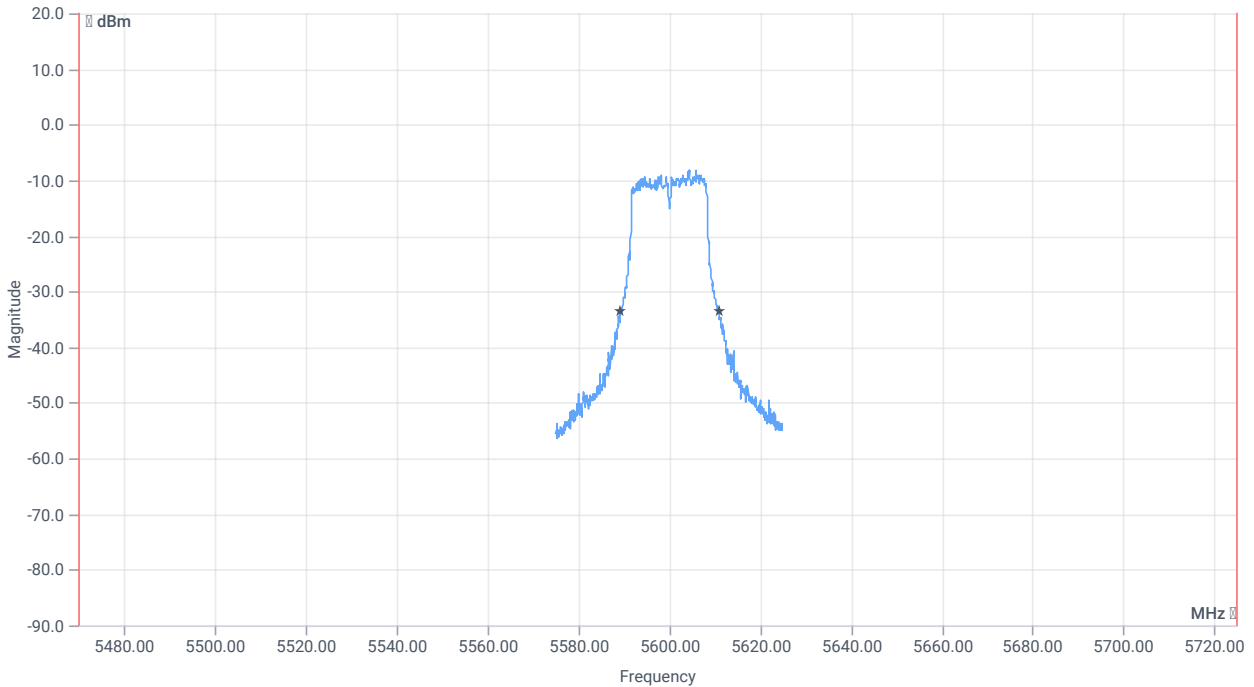
*BW within band 99PCT*

## 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

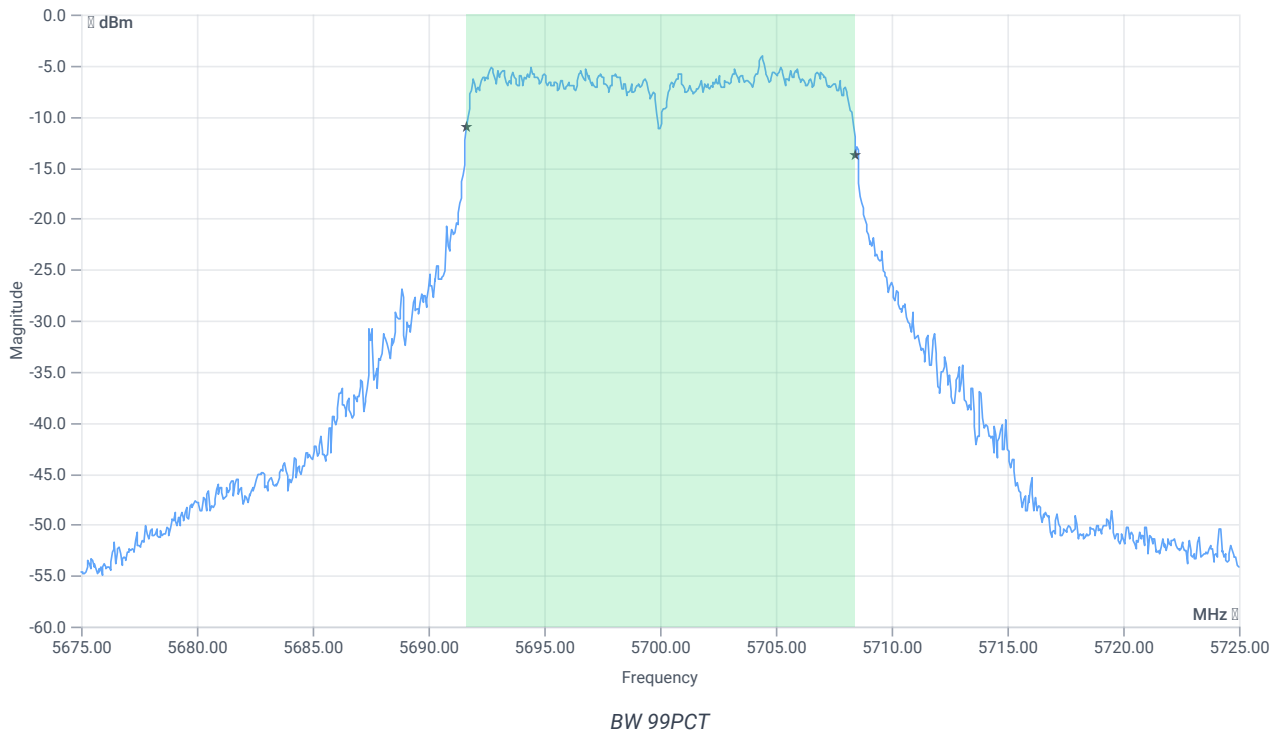
## Test at TX 5700 MHz

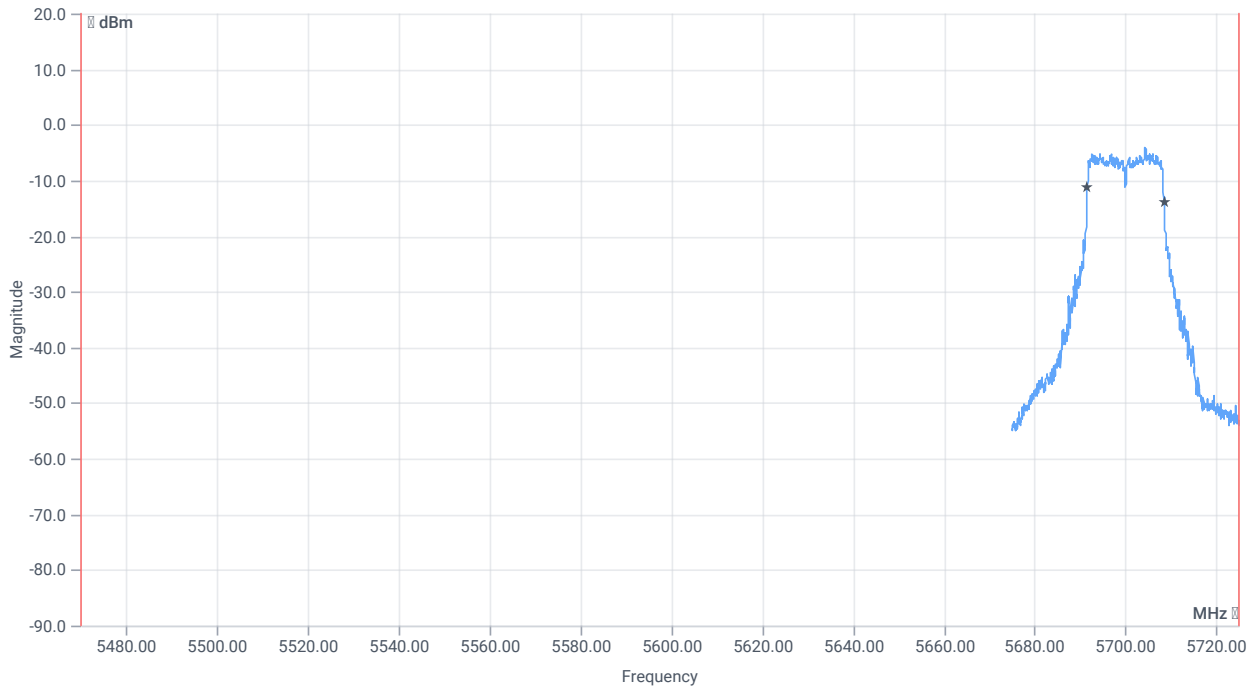
RESULT: Reference power cond.

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

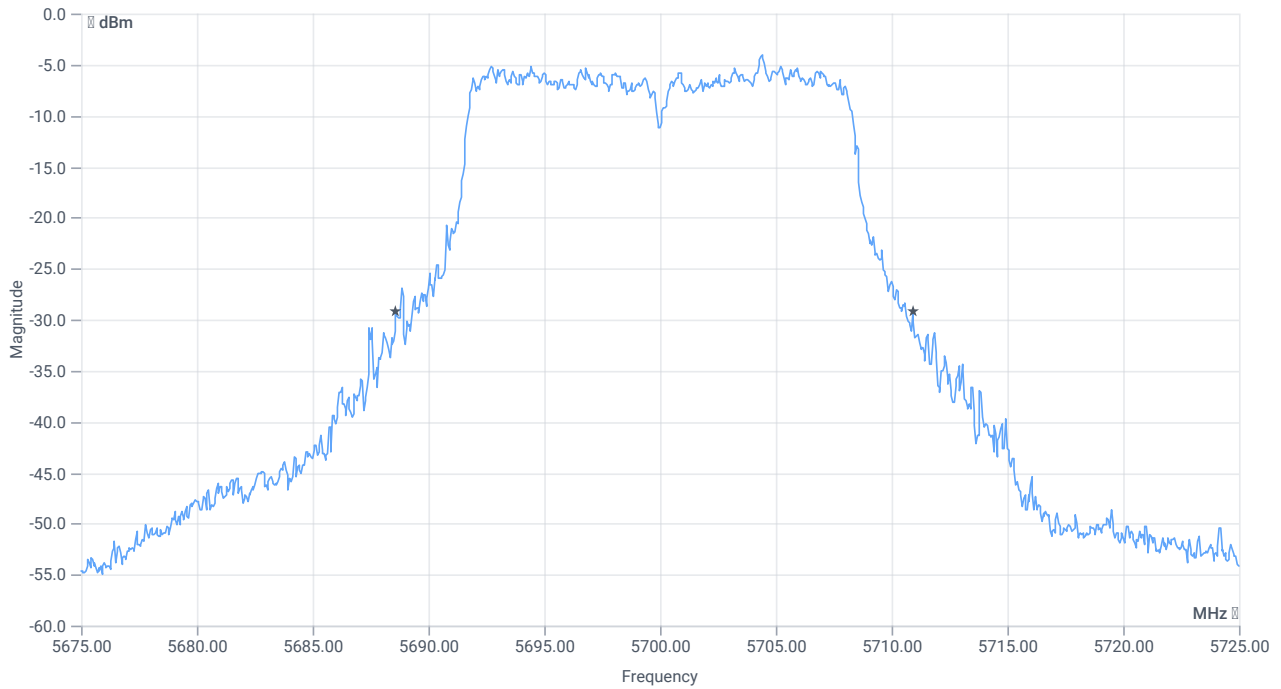




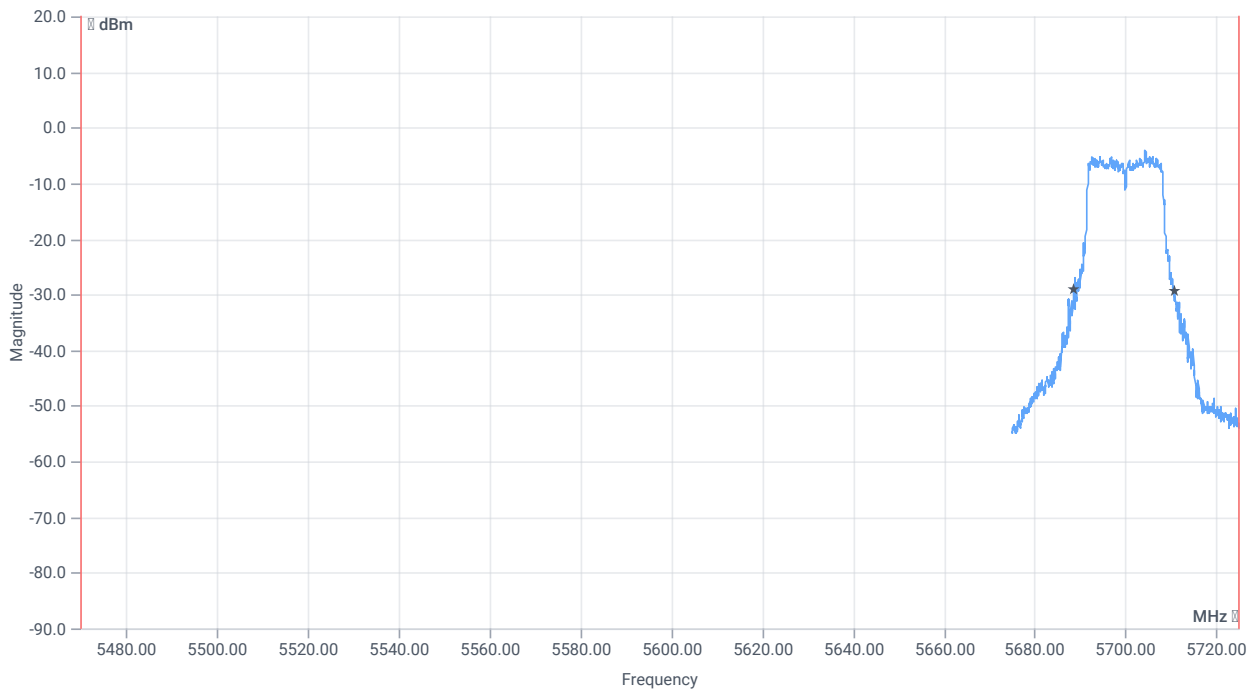
*BW within band 99PCT*

## 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

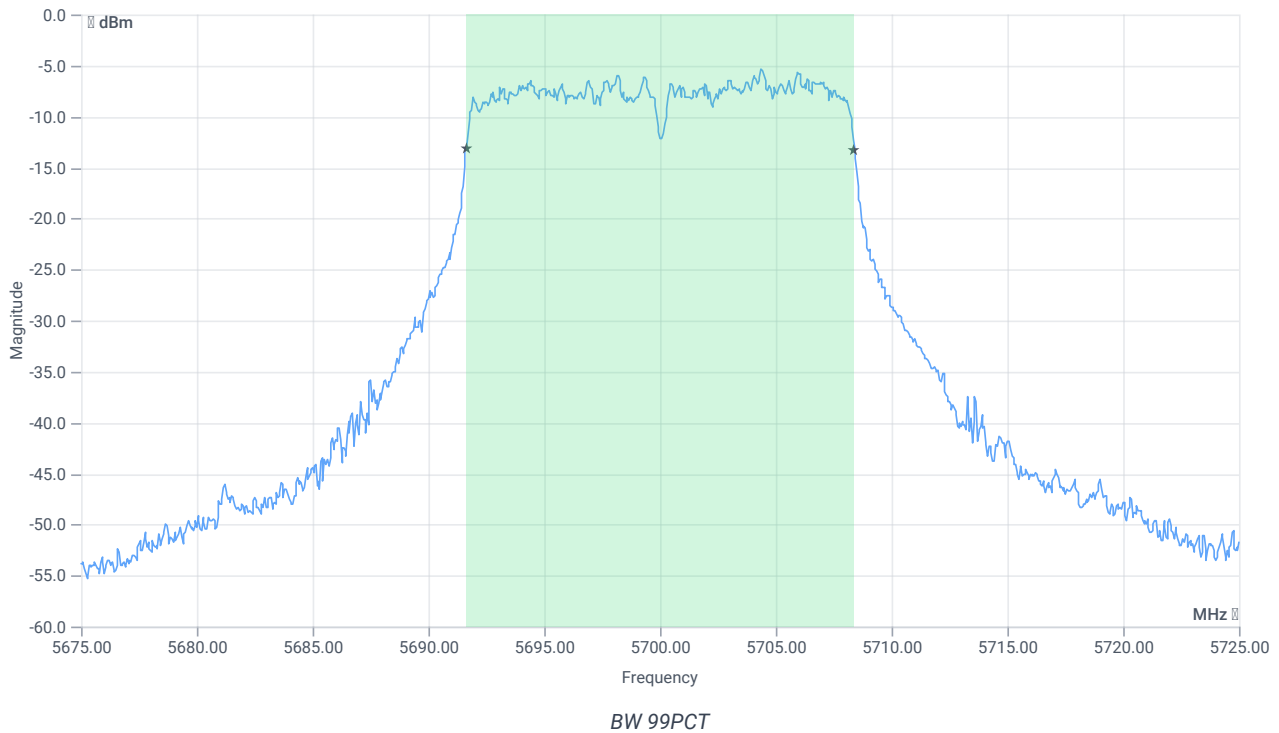
## Test at TX 5700 MHz

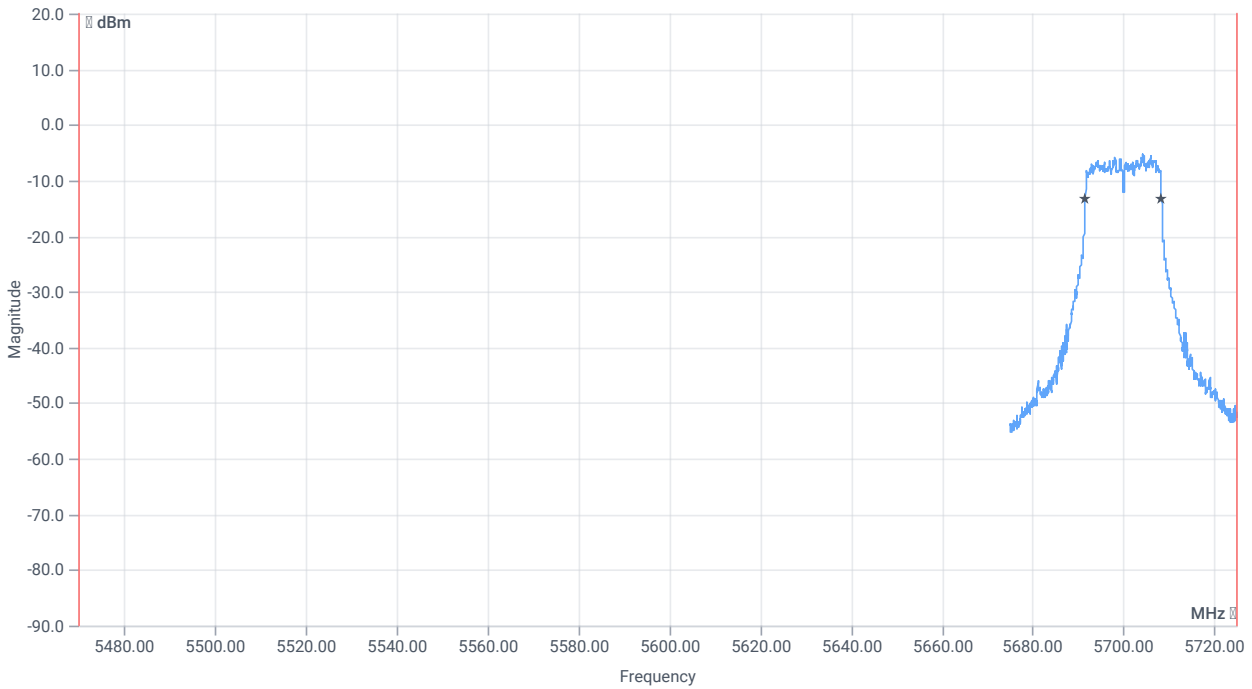
RESULT: Reference power cond.

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

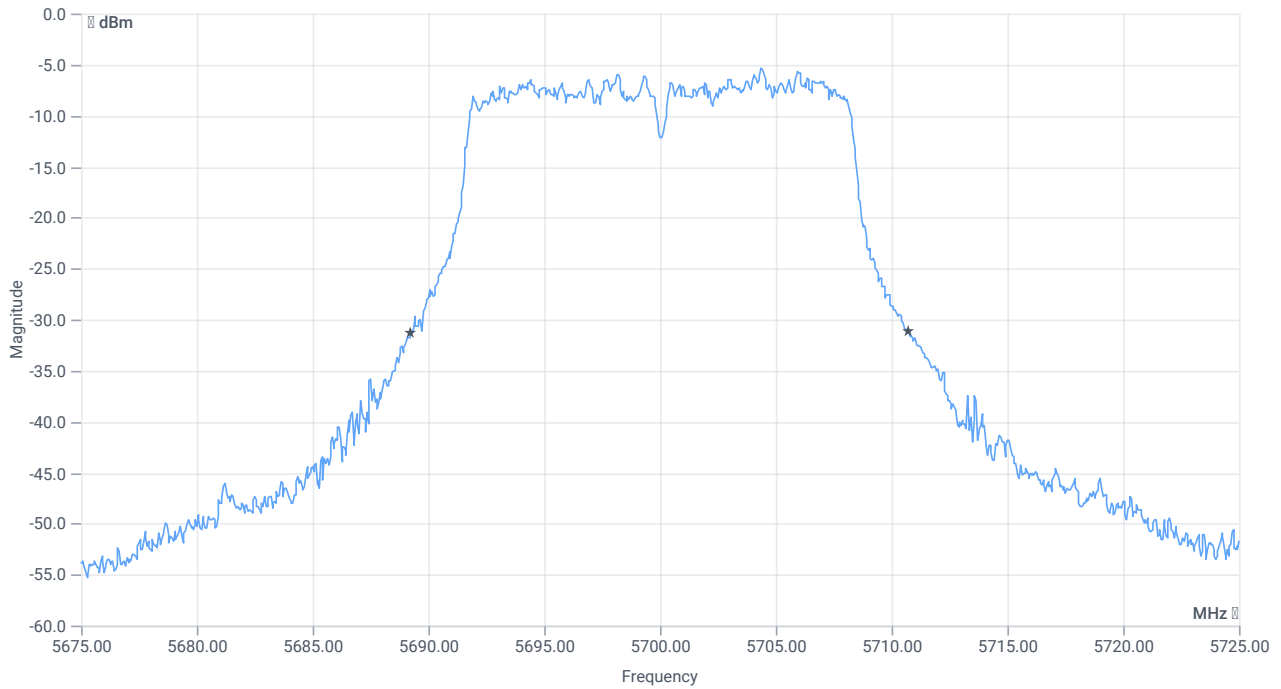




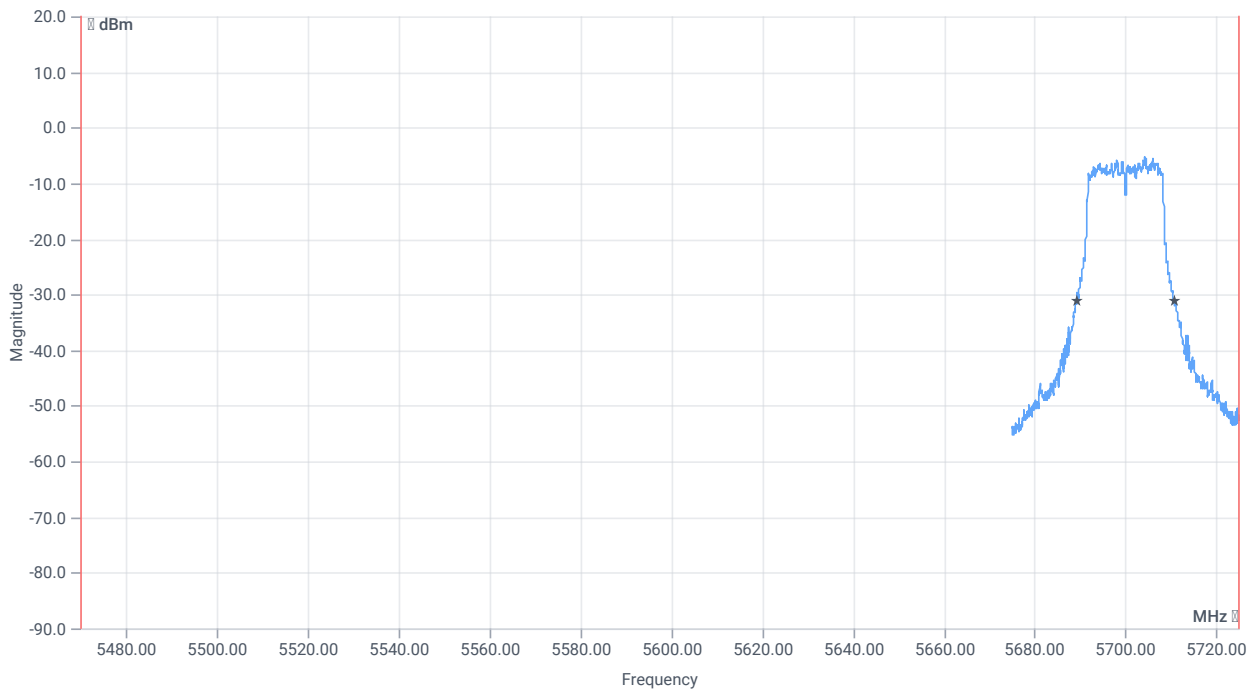
*BW within band 99PCT*

## 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-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

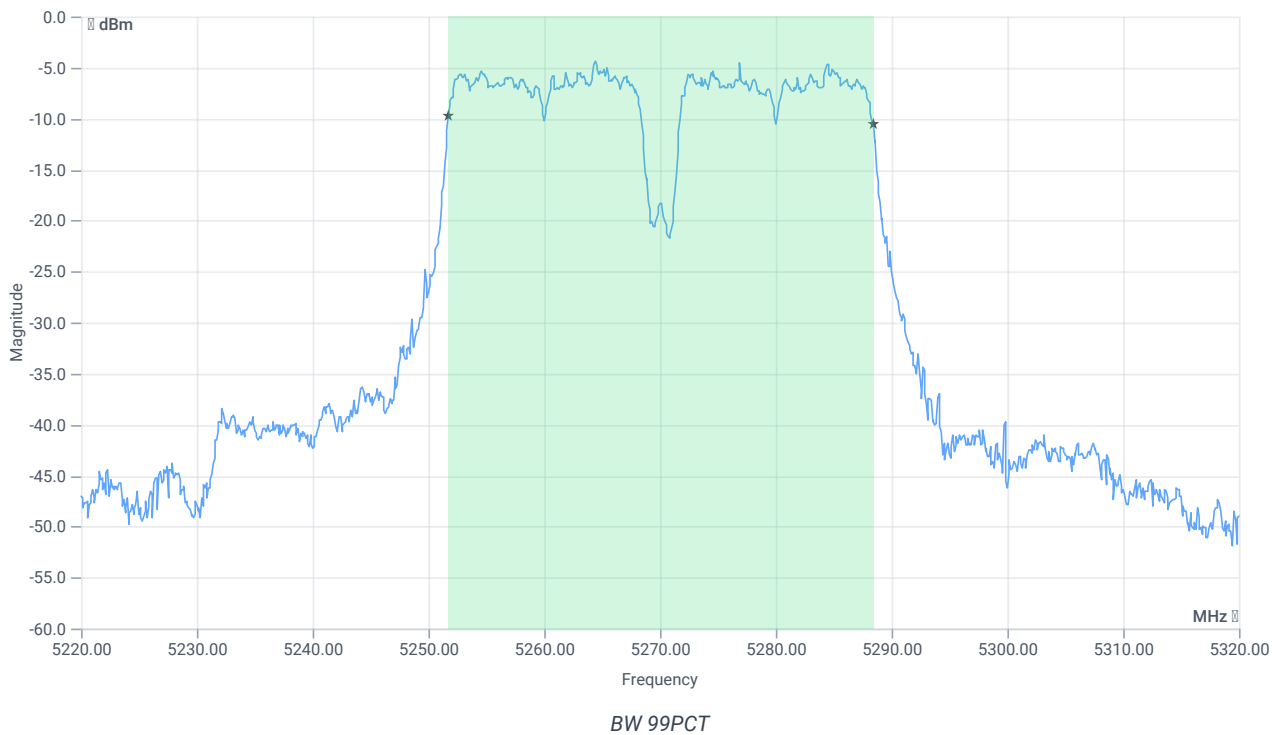
## Test at TX 5270 MHz

RESULT: Reference power cond.

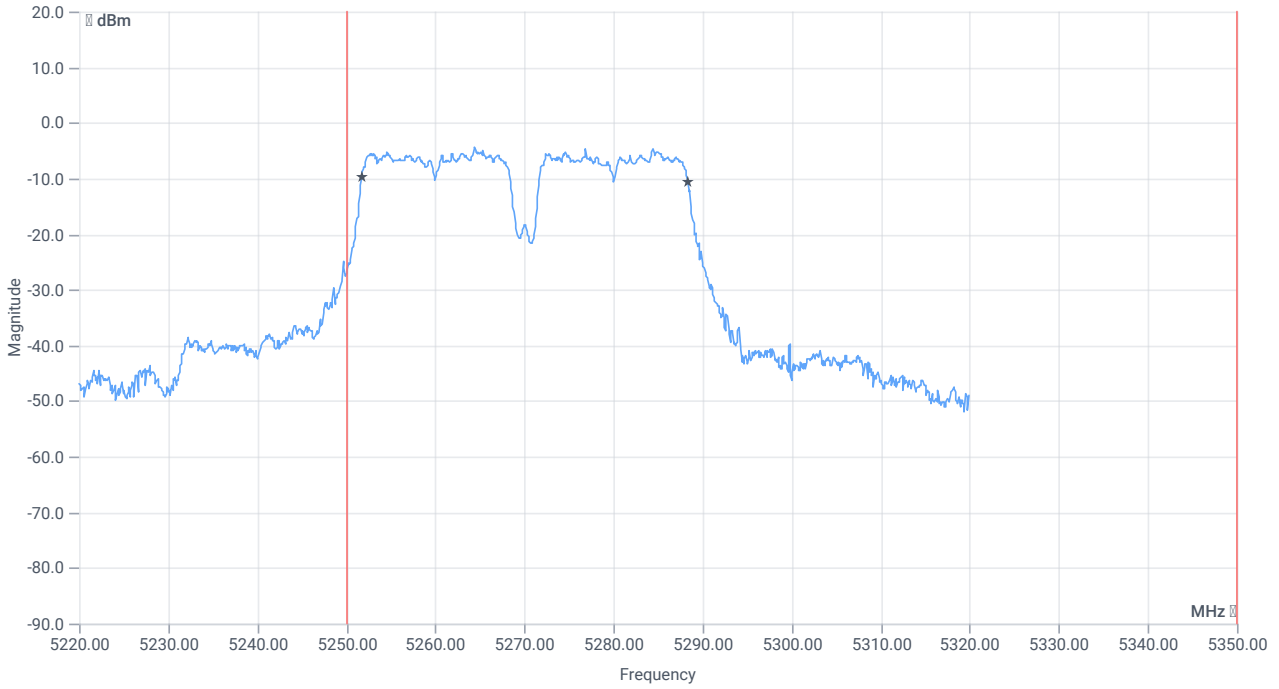
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.36	dBm	INFO
Ref. frequency	--	--	5285.180	MHz	INFO

### 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



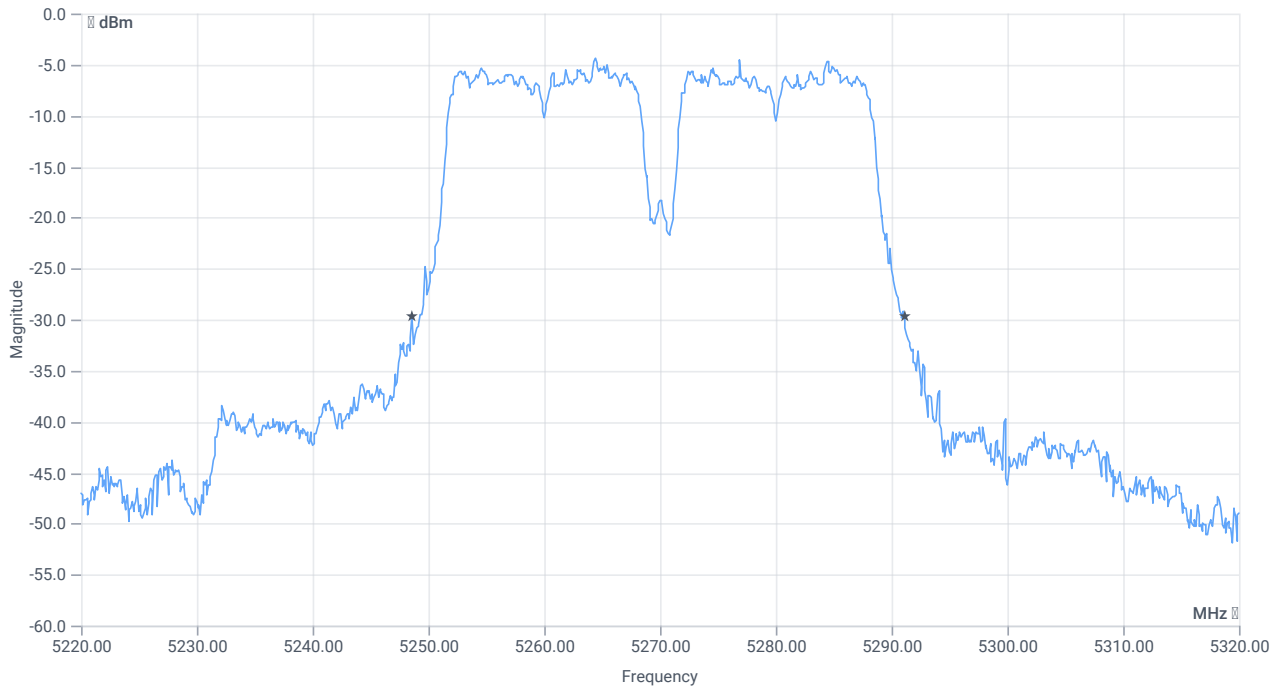




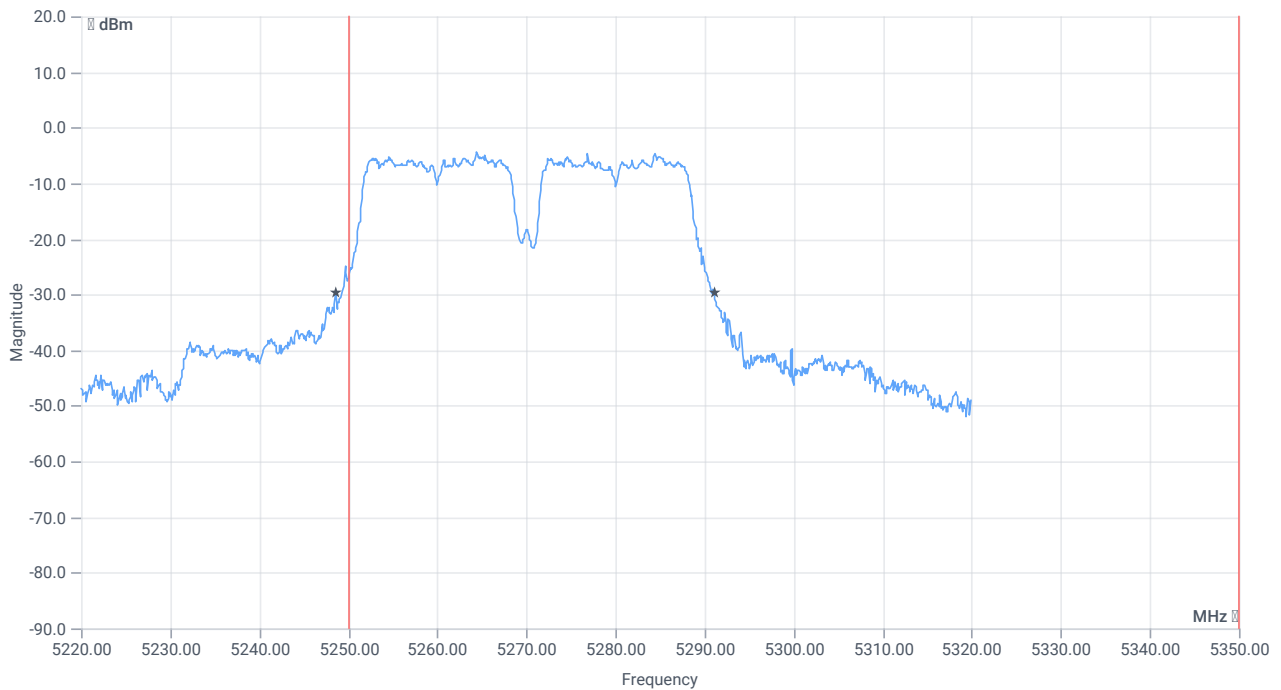
BW within band 99PCT

## 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

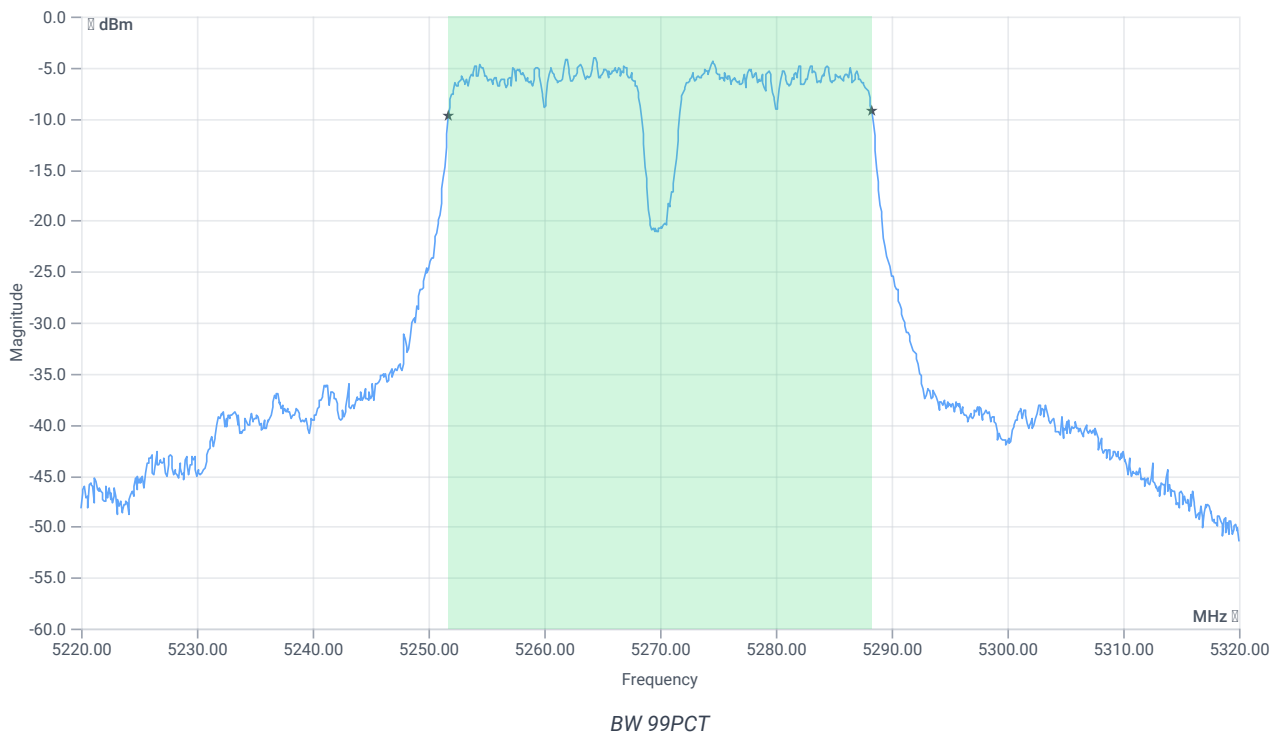
## Test at TX 5270 MHz

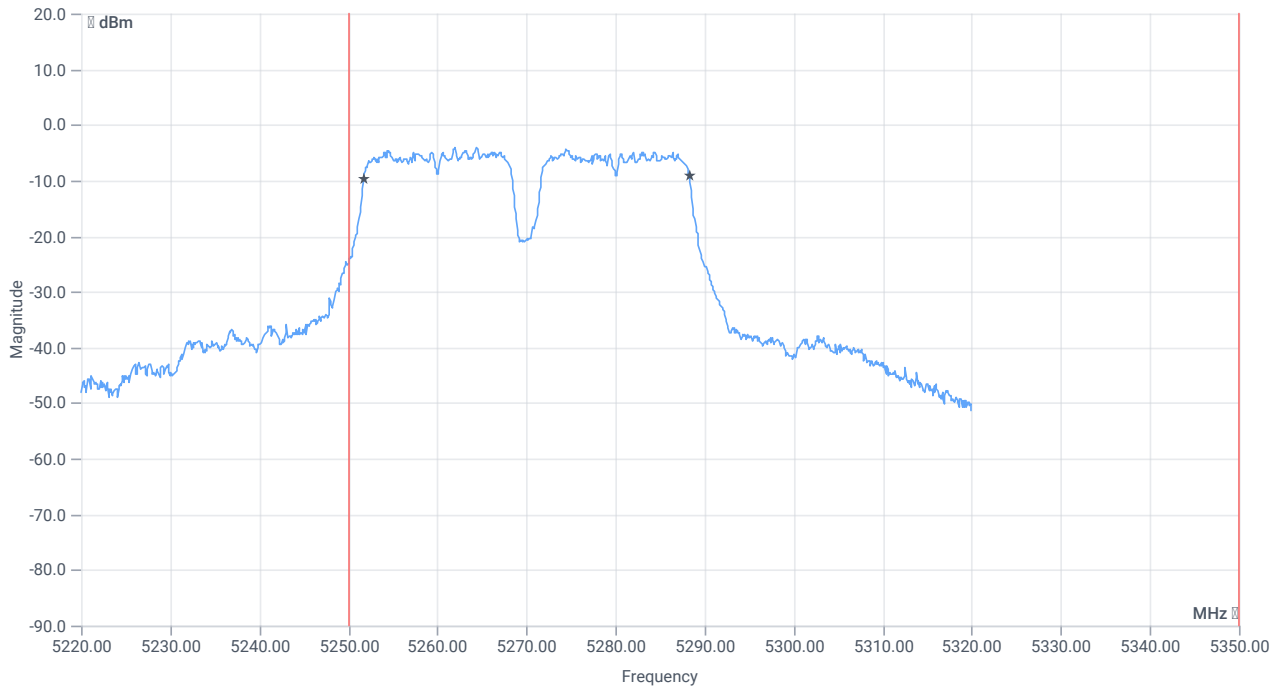
RESULT: Reference power cond.

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

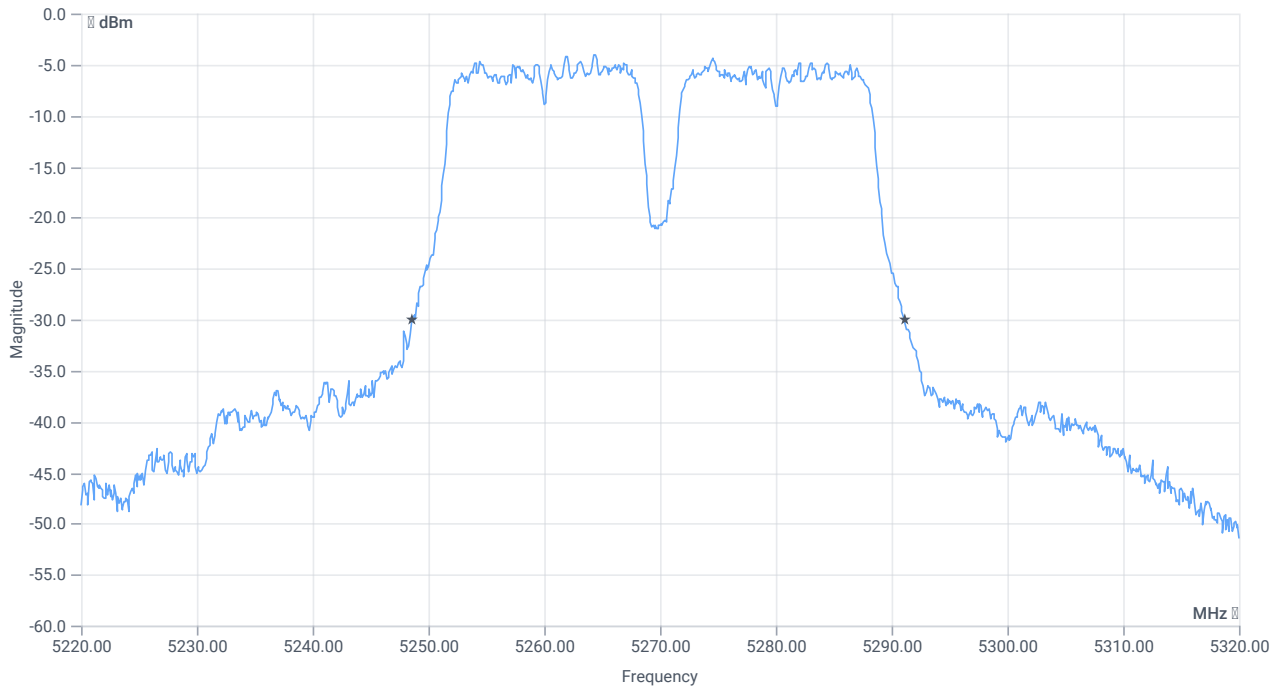




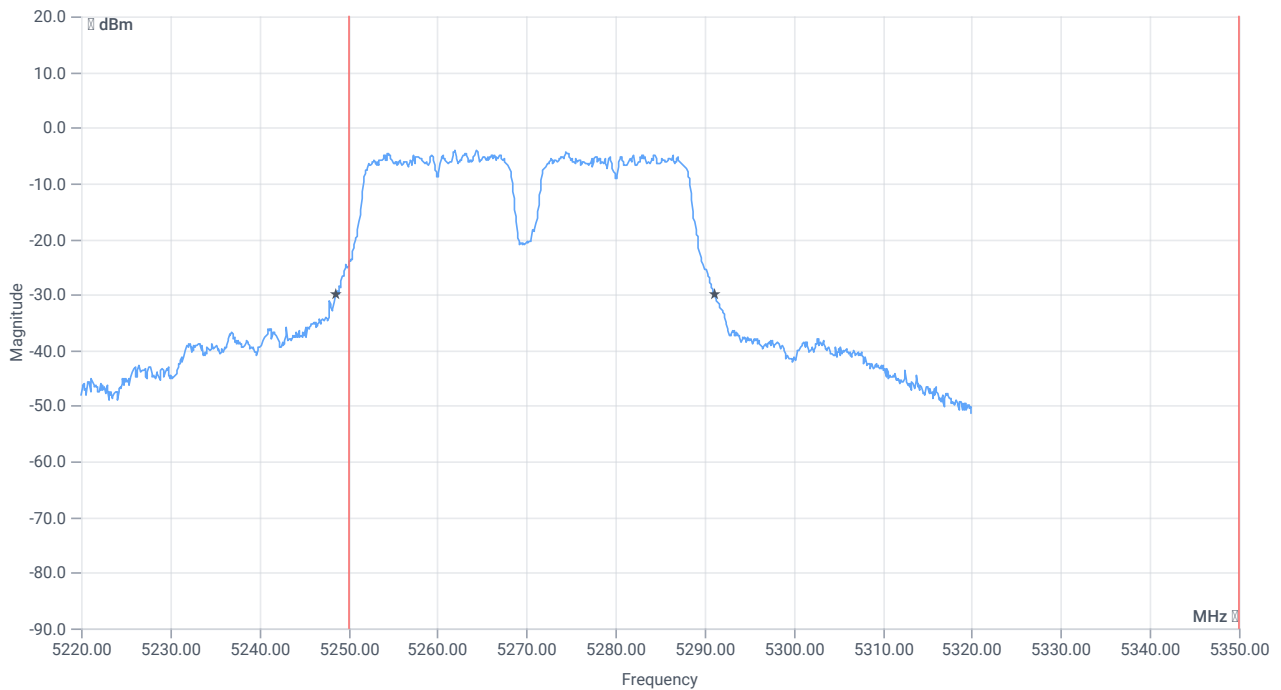
*BW within band 99PCT*

## 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

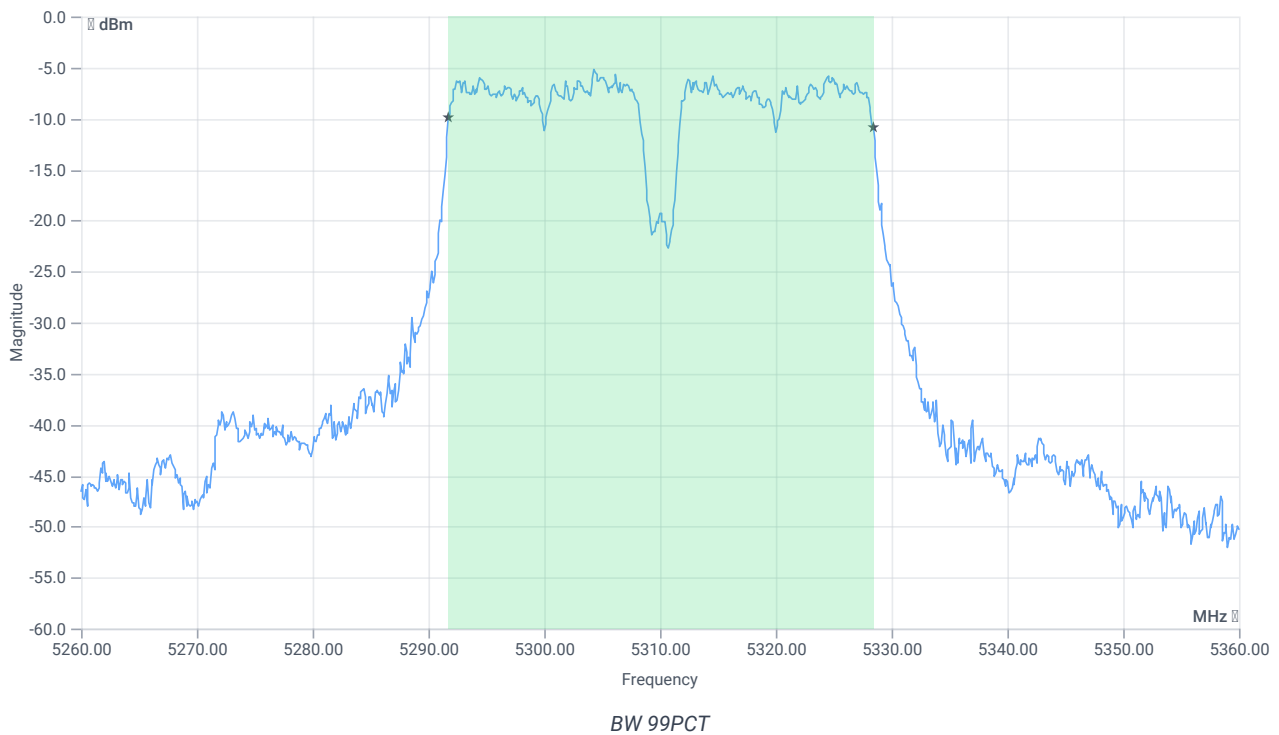
## Test at TX 5310 MHz

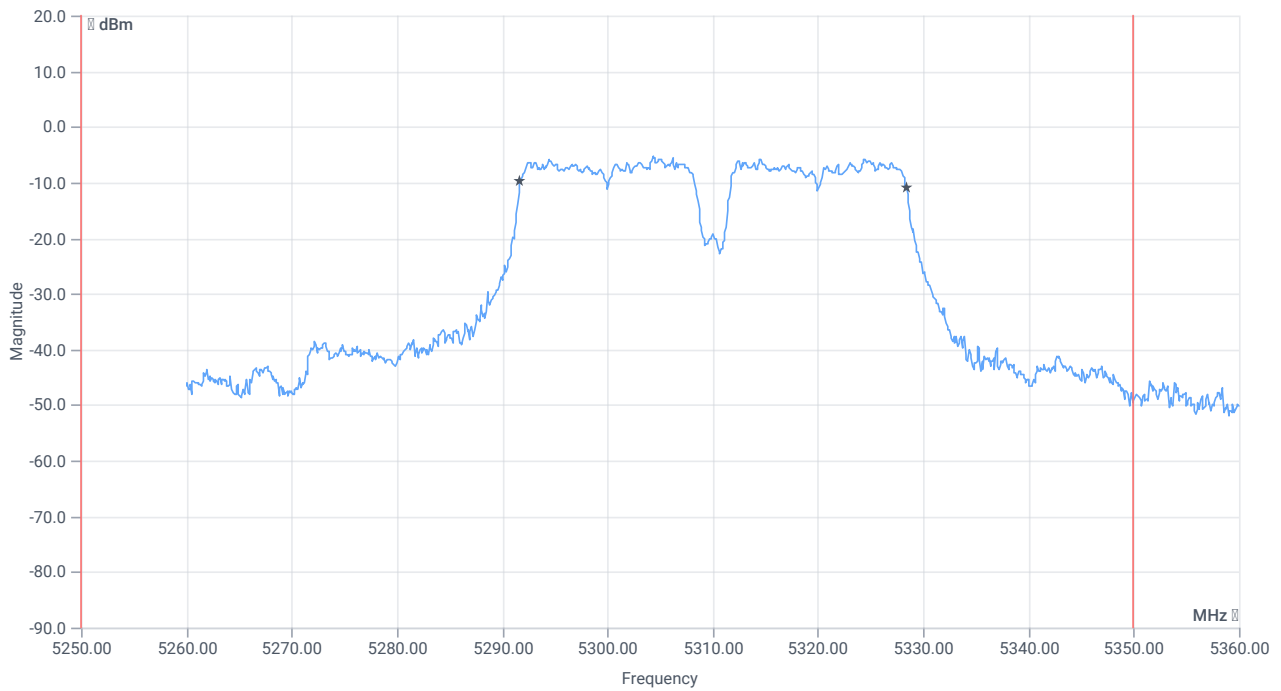
RESULT: Reference power cond.

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

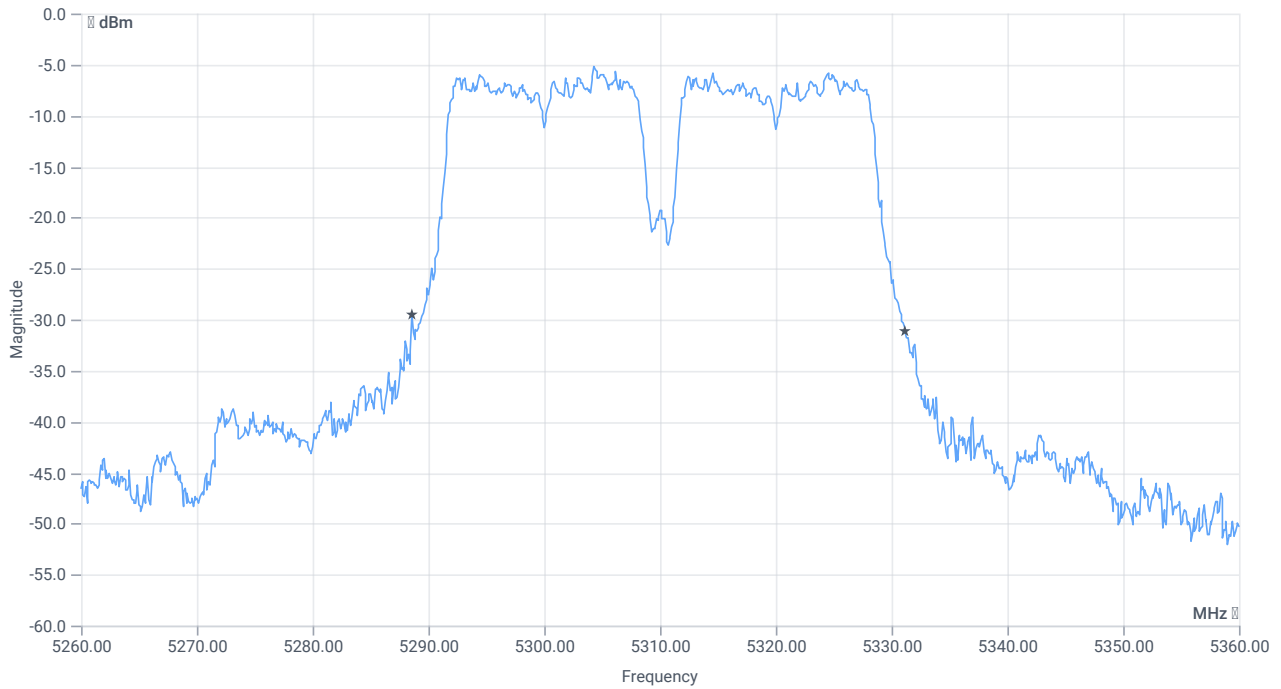




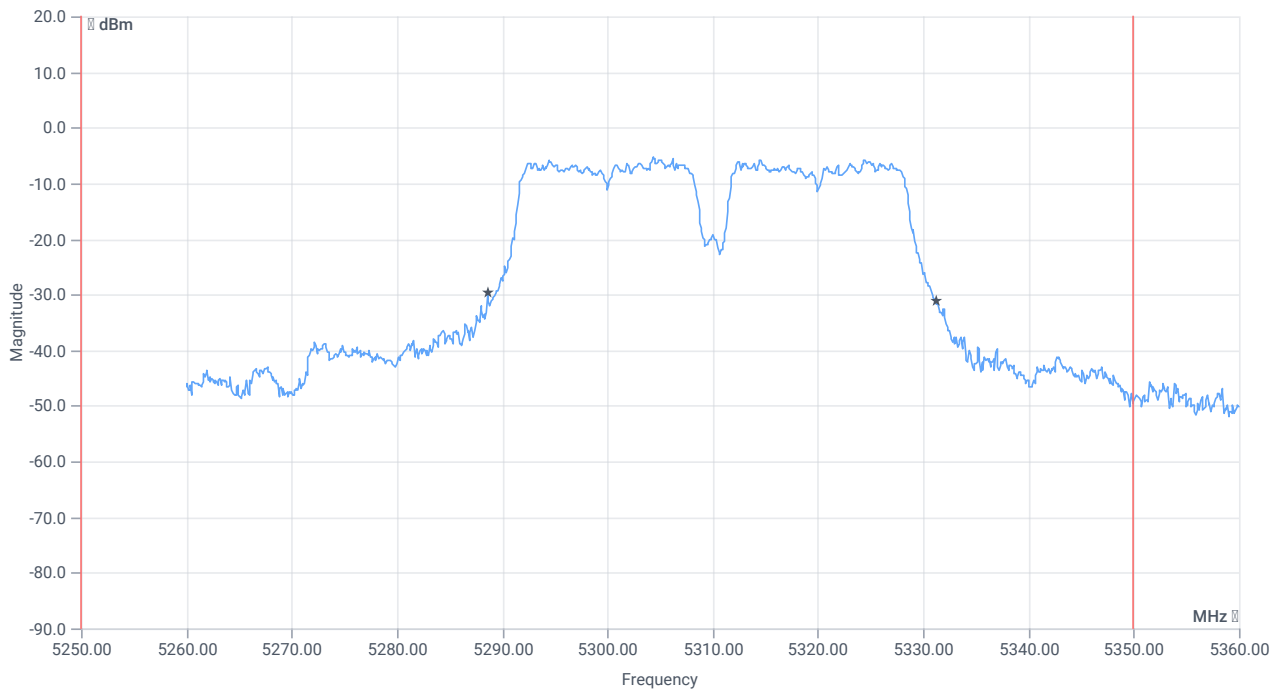
*BW within band 99PCT*

## 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

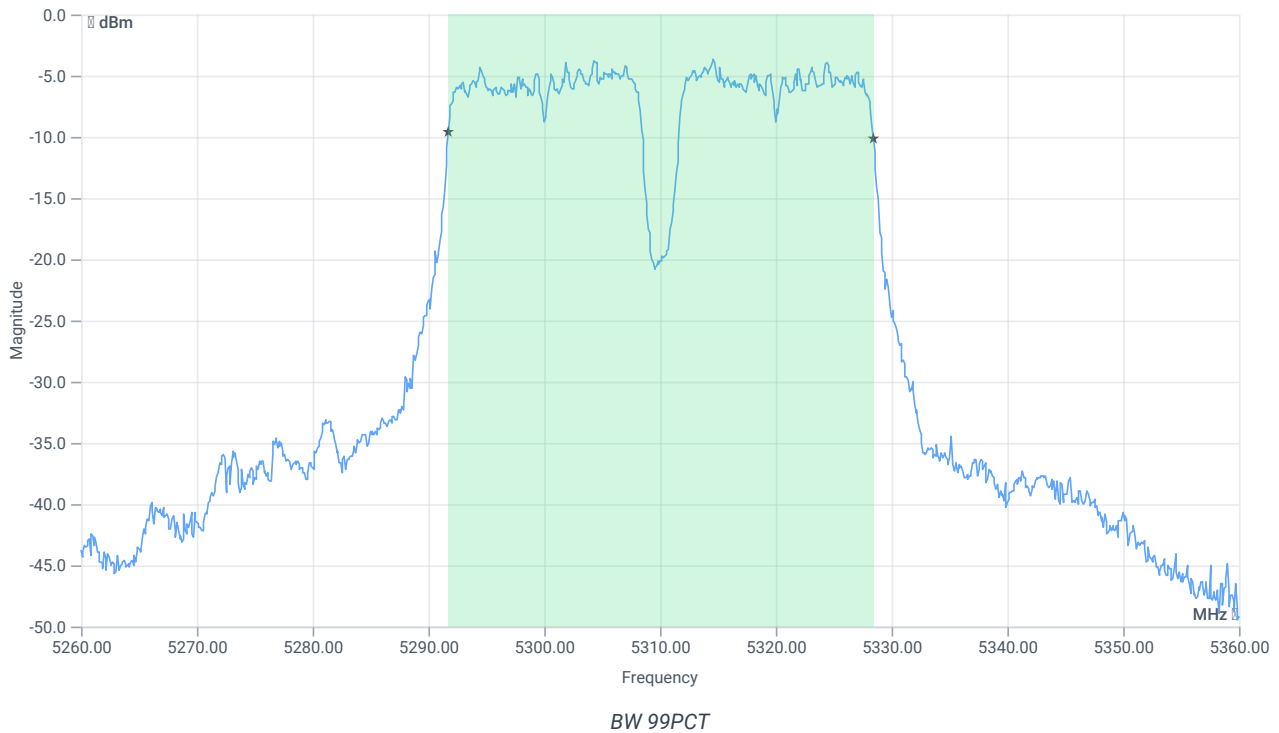
## Test at TX 5310 MHz

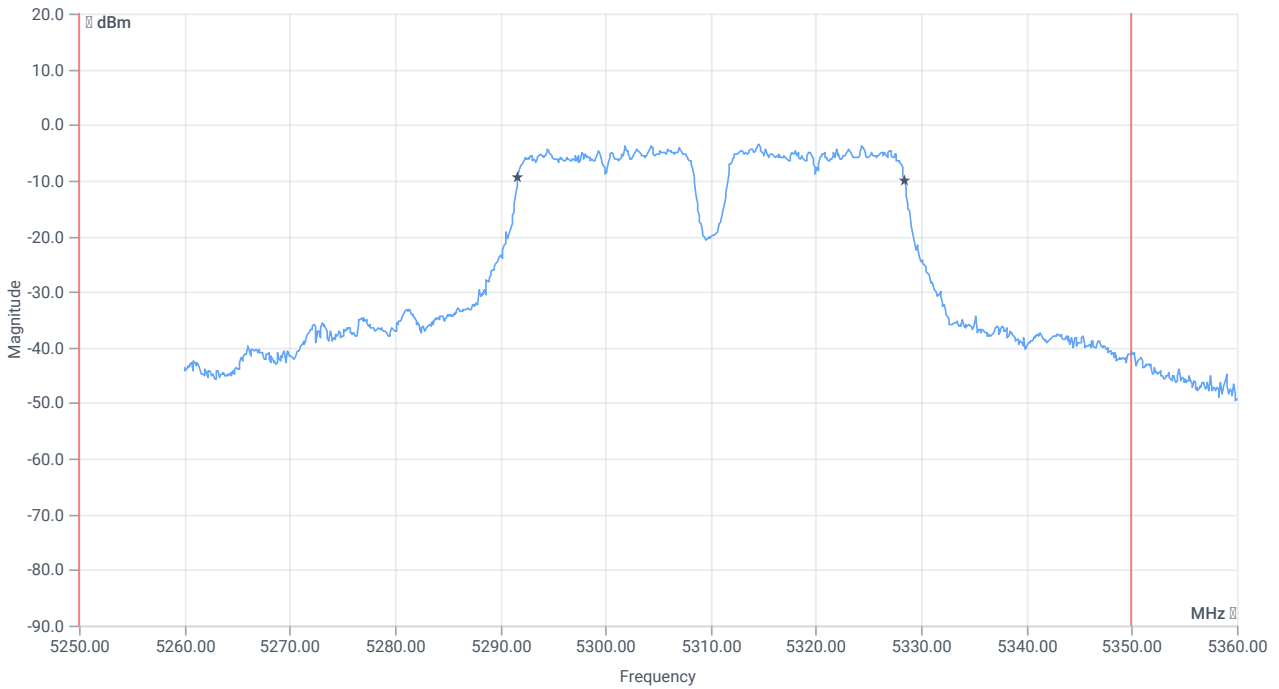
RESULT: Reference power cond.

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



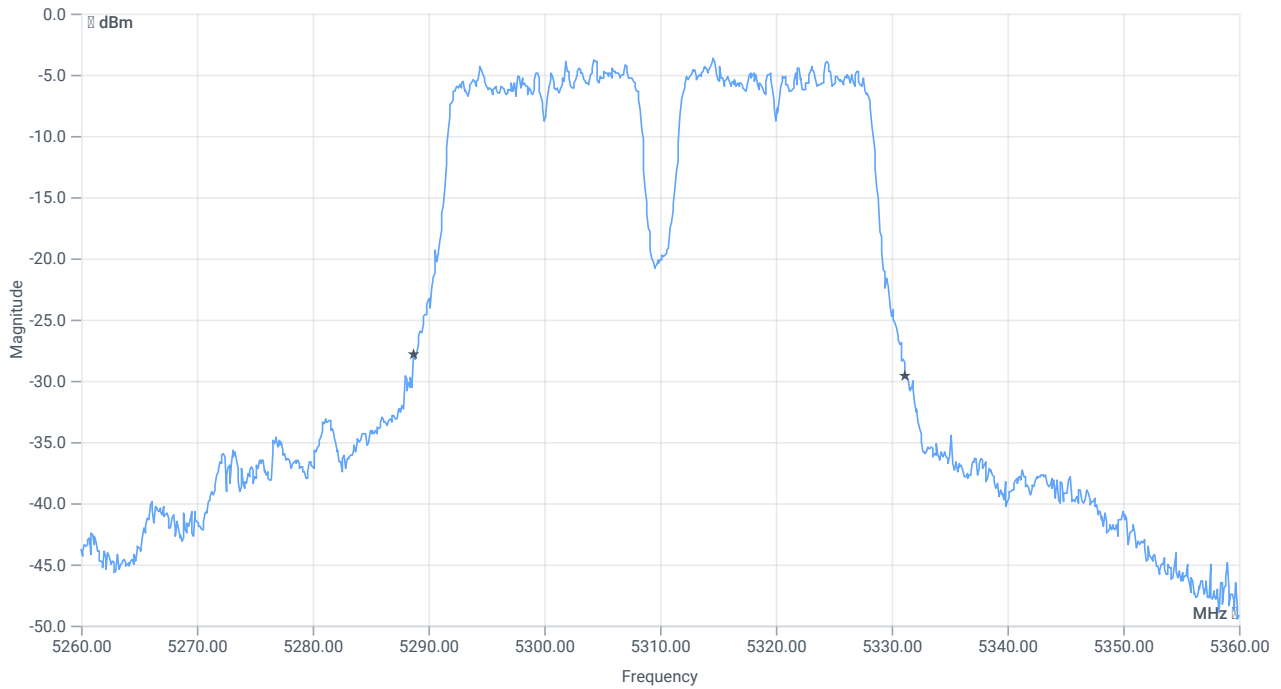


*BW within band 99PCT*

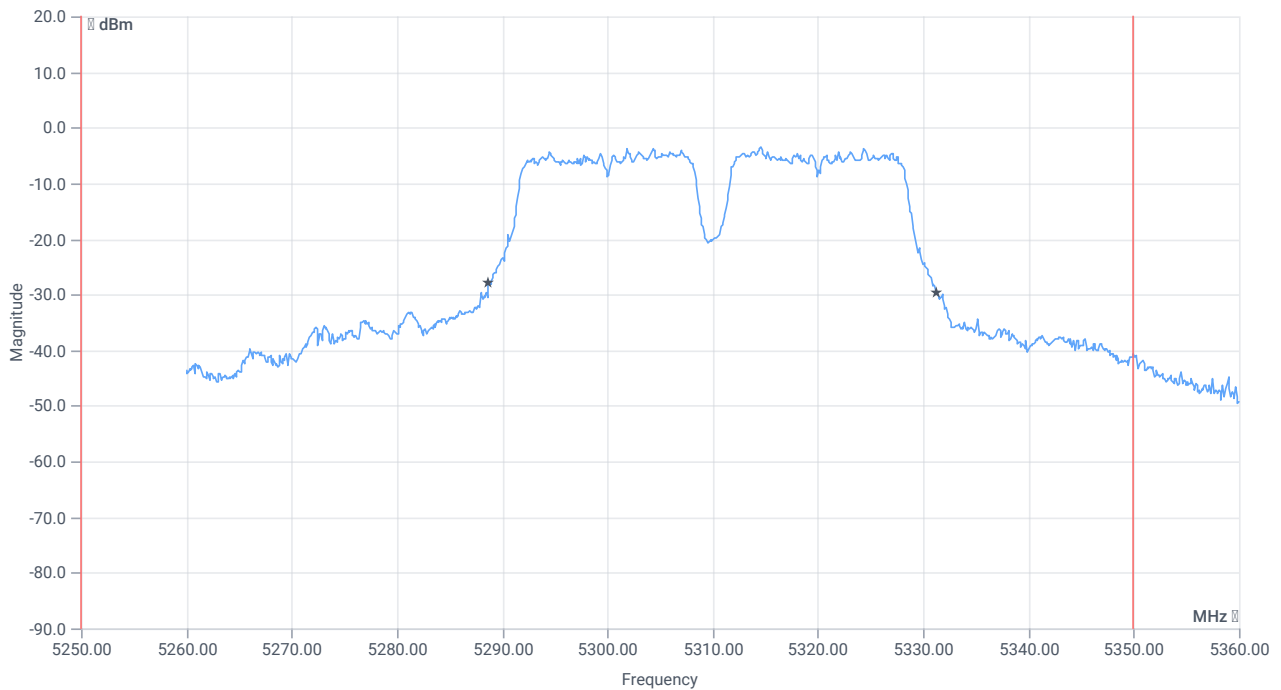
## RESULT

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 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

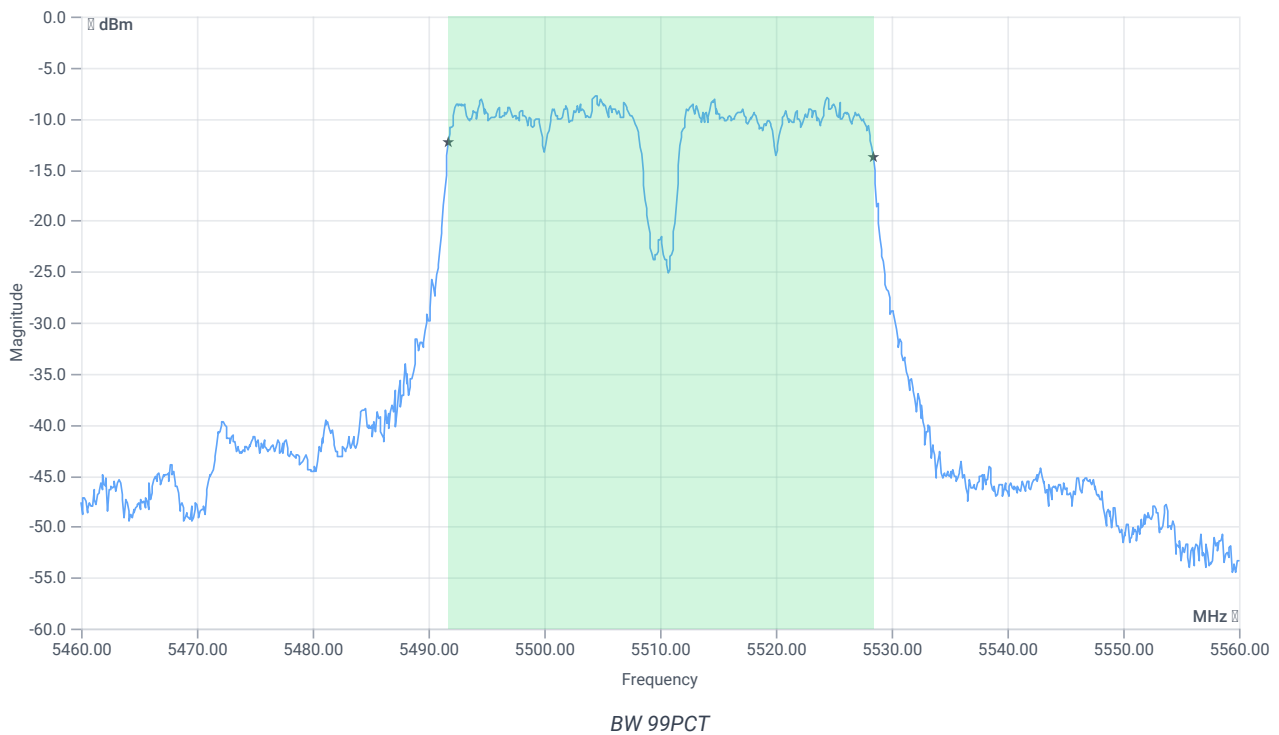
## Test at TX 5510 MHz

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

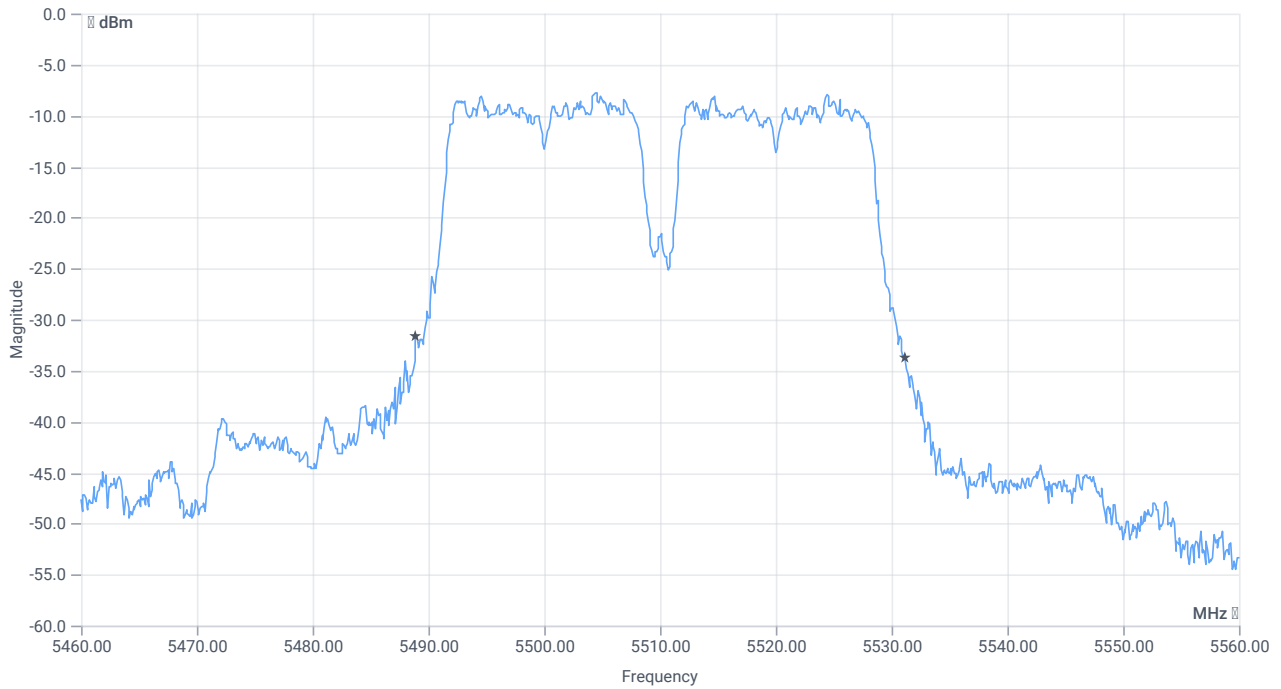




BW within band 99PCT

## 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



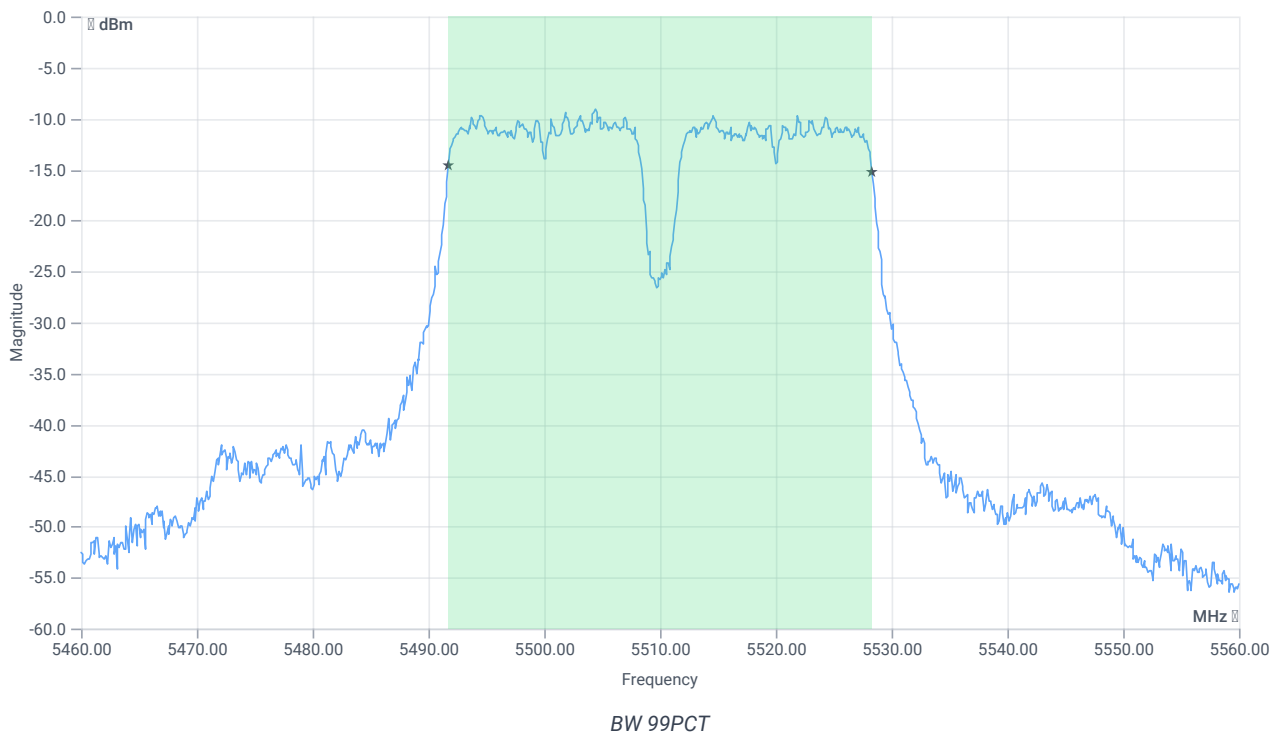
## Test at TX 5510 MHz

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

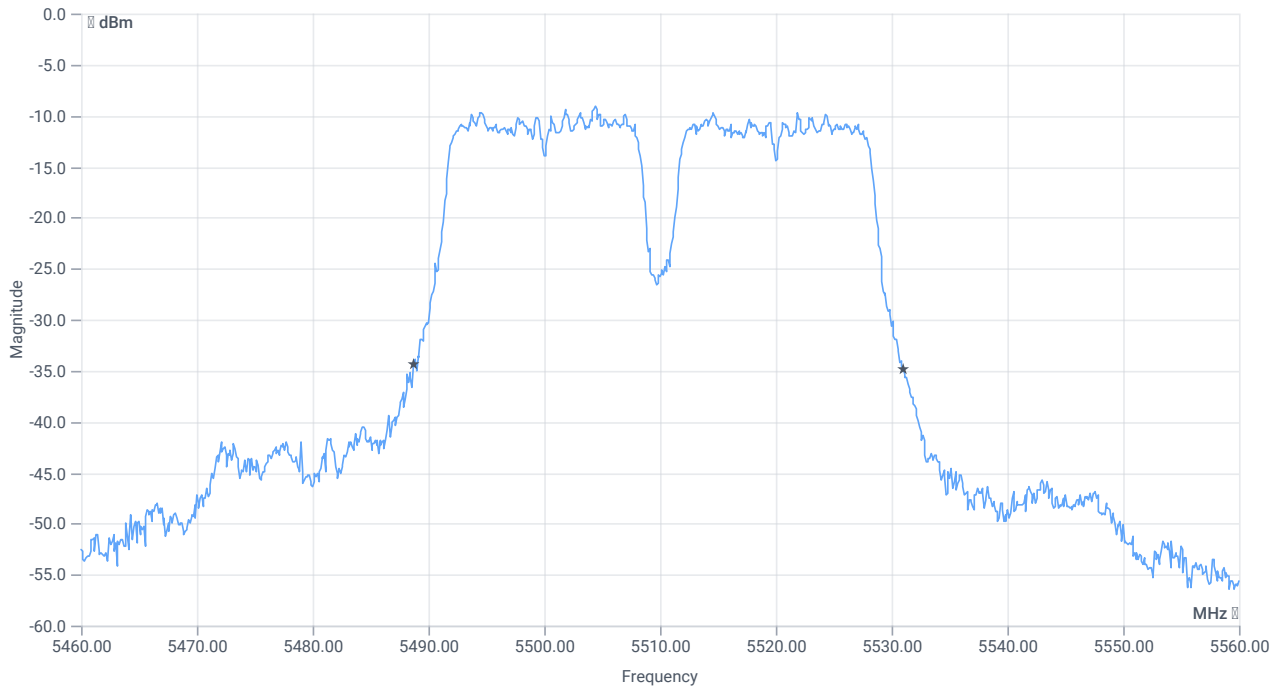




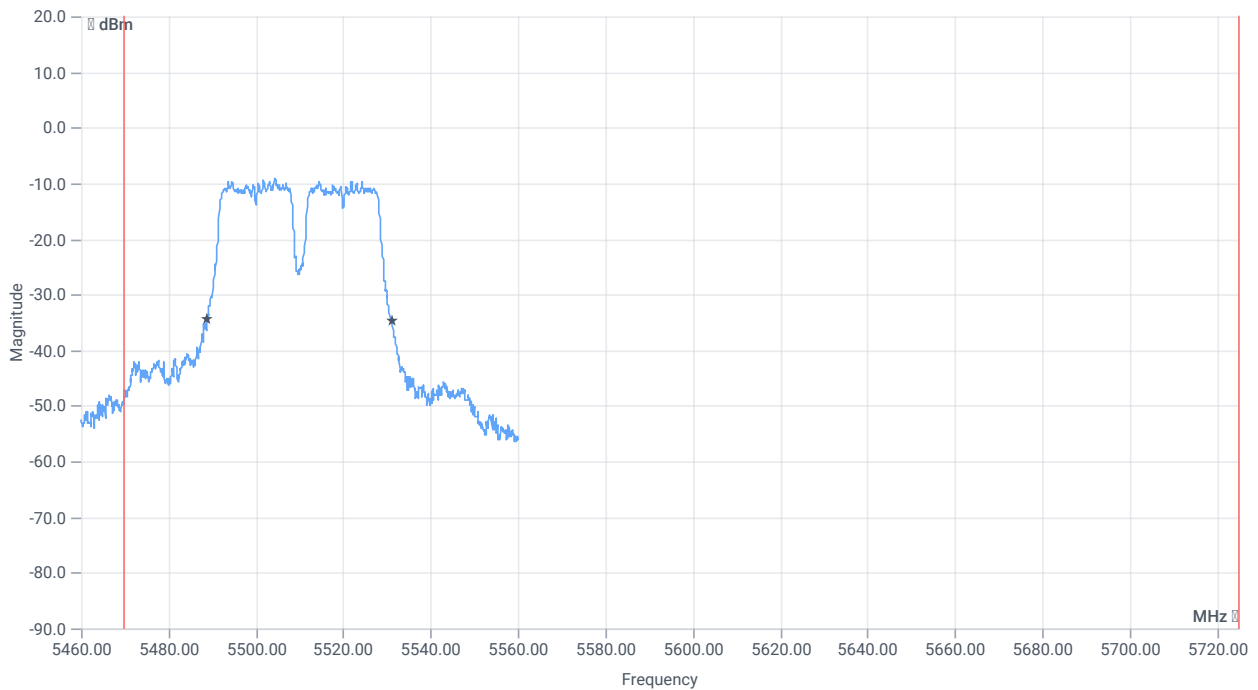
BW within band 99PCT

## 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

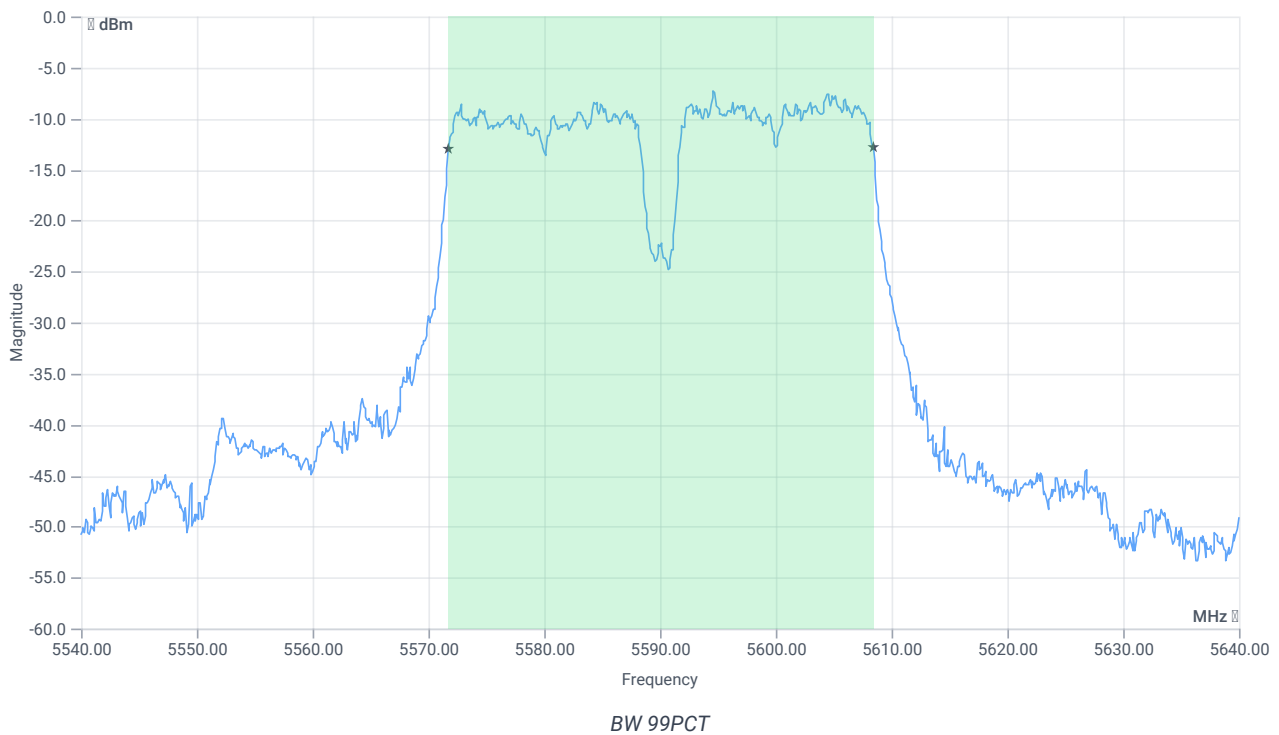
## Test at TX 5590 MHz

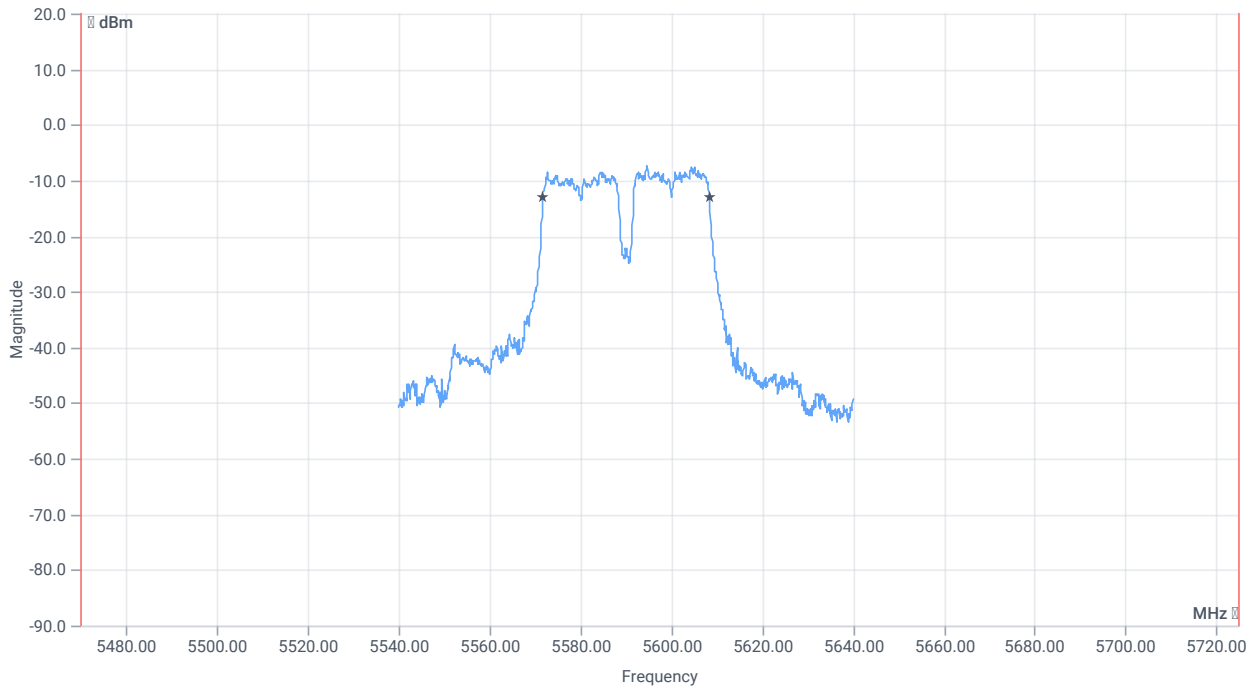
RESULT: Reference power cond.

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

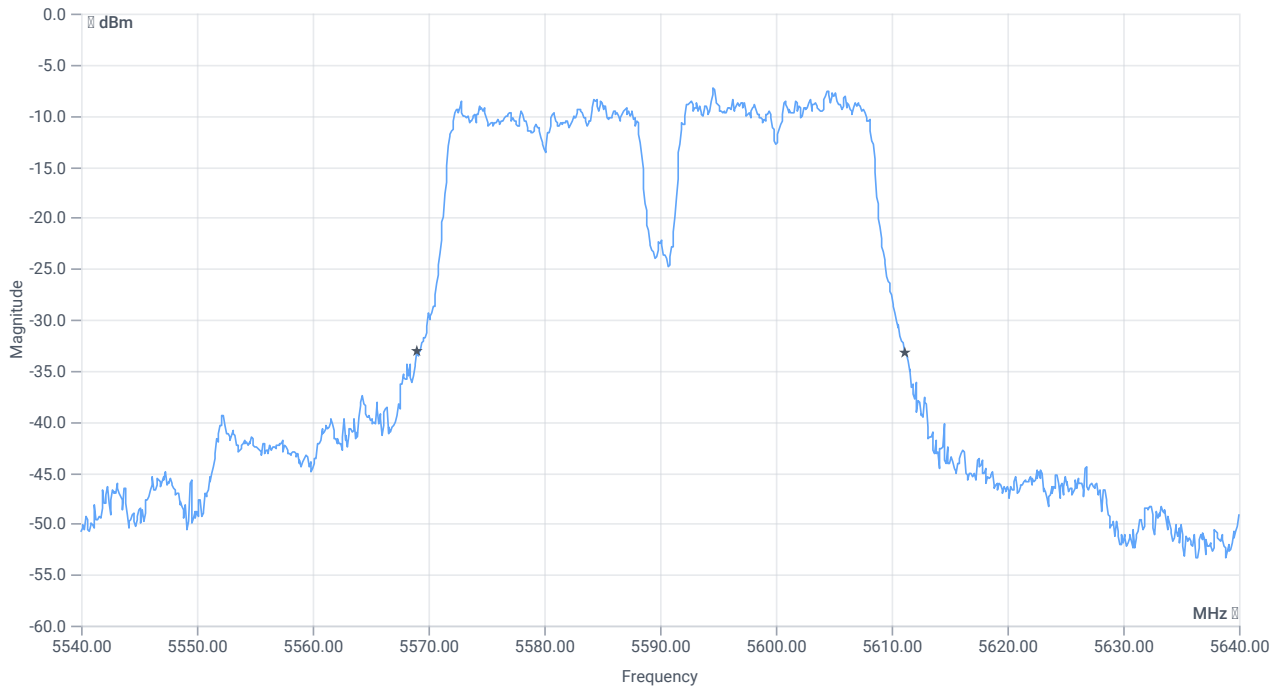




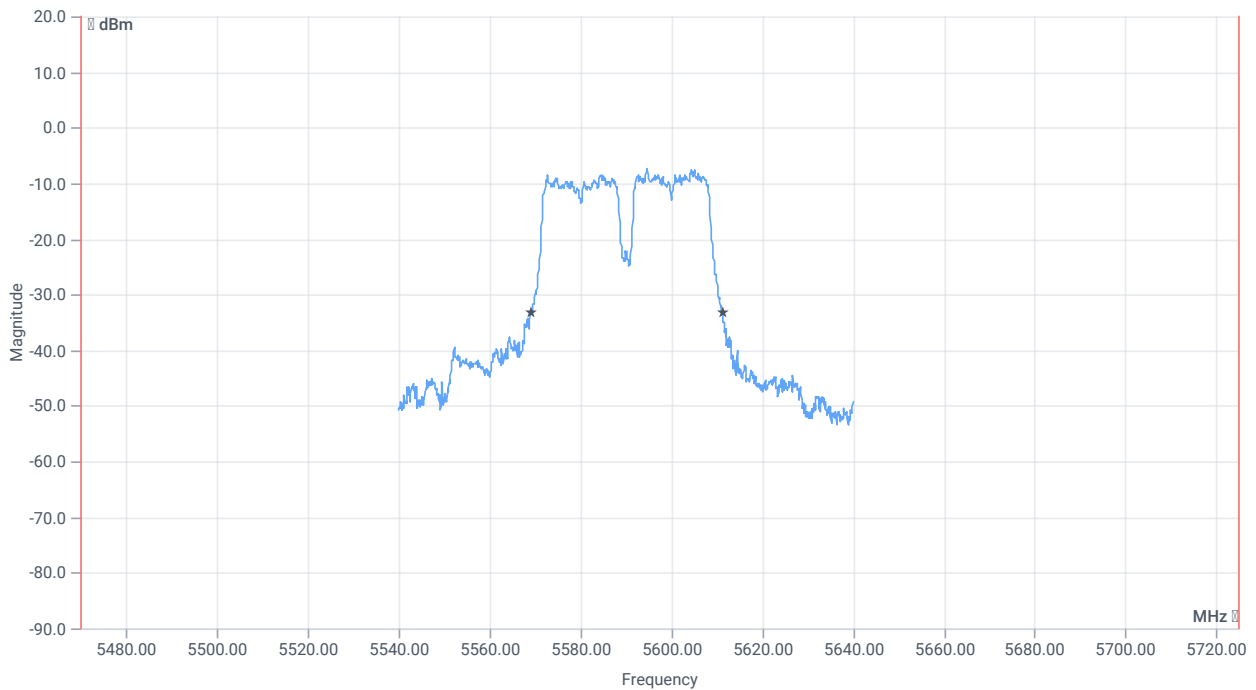
*BW within band 99PCT*

## 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

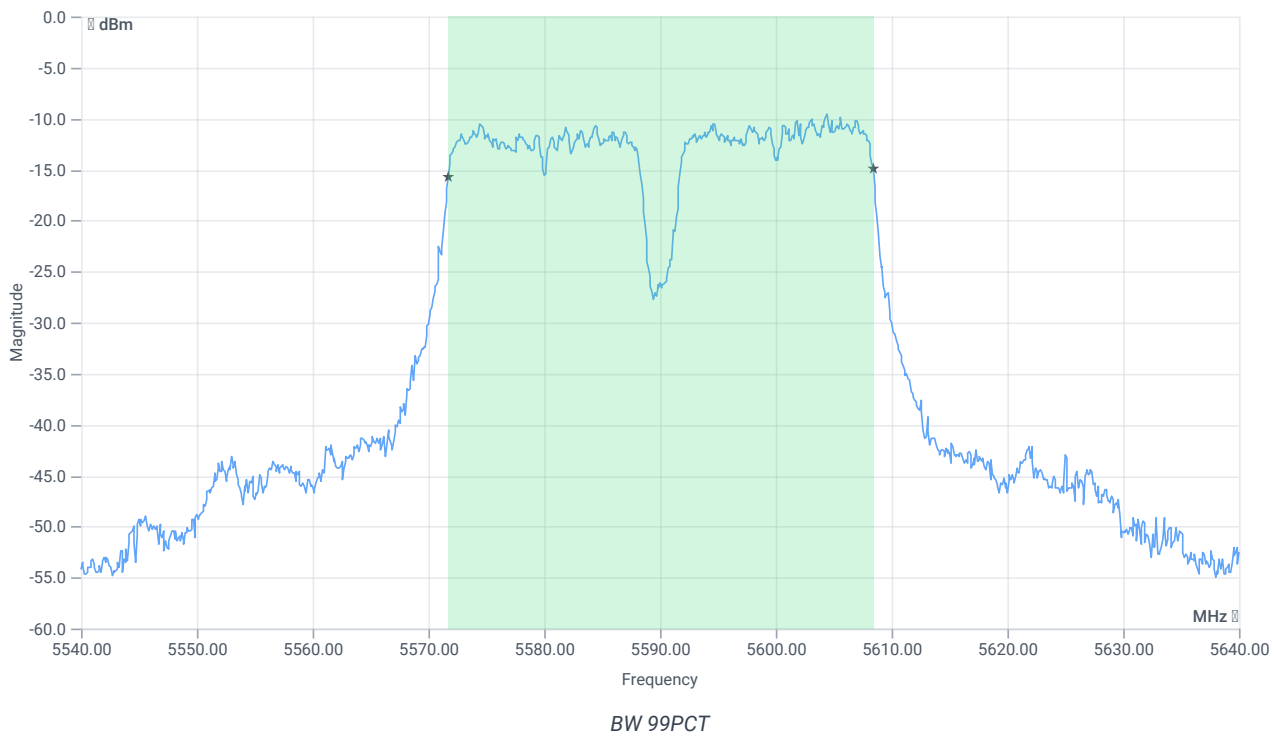
## Test at TX 5590 MHz

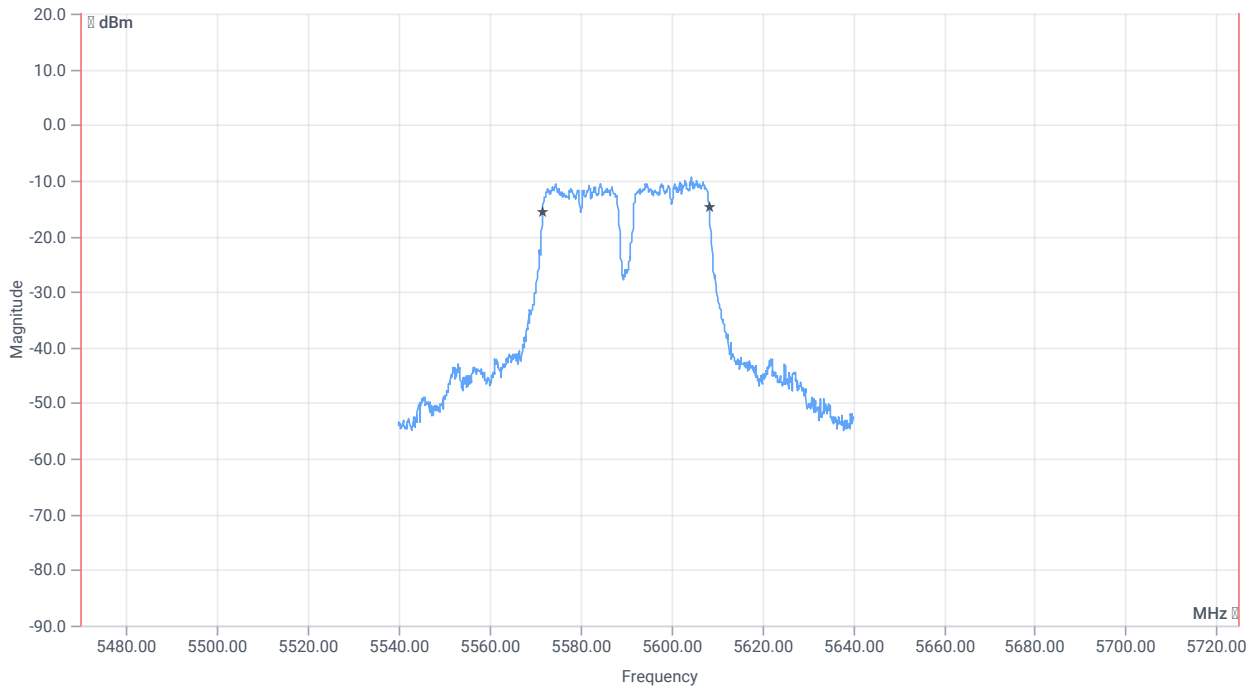
RESULT: Reference power cond.

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

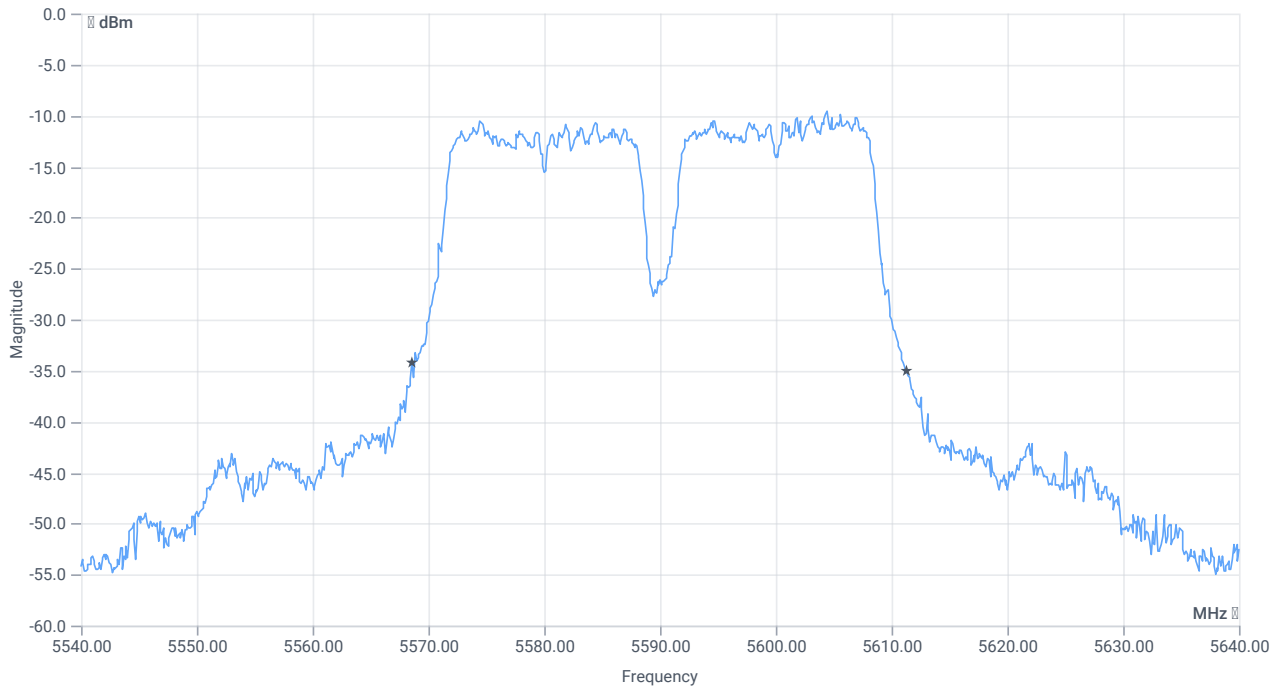




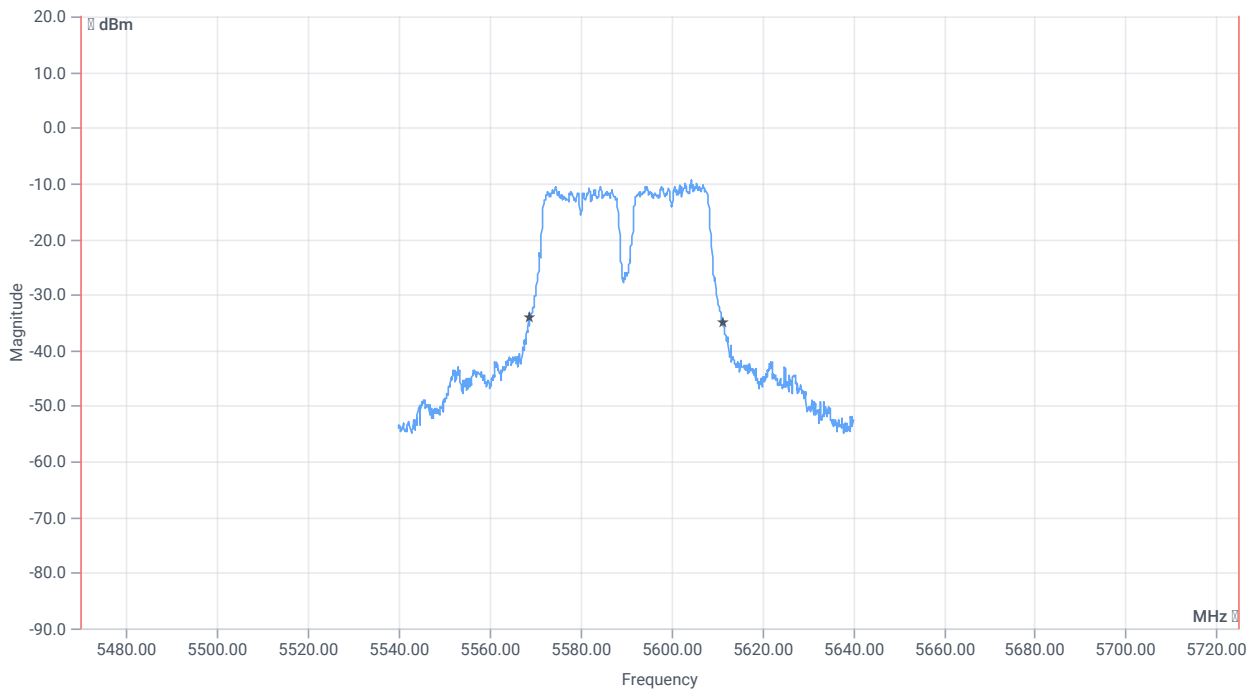
*BW within band 99PCT*

## 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

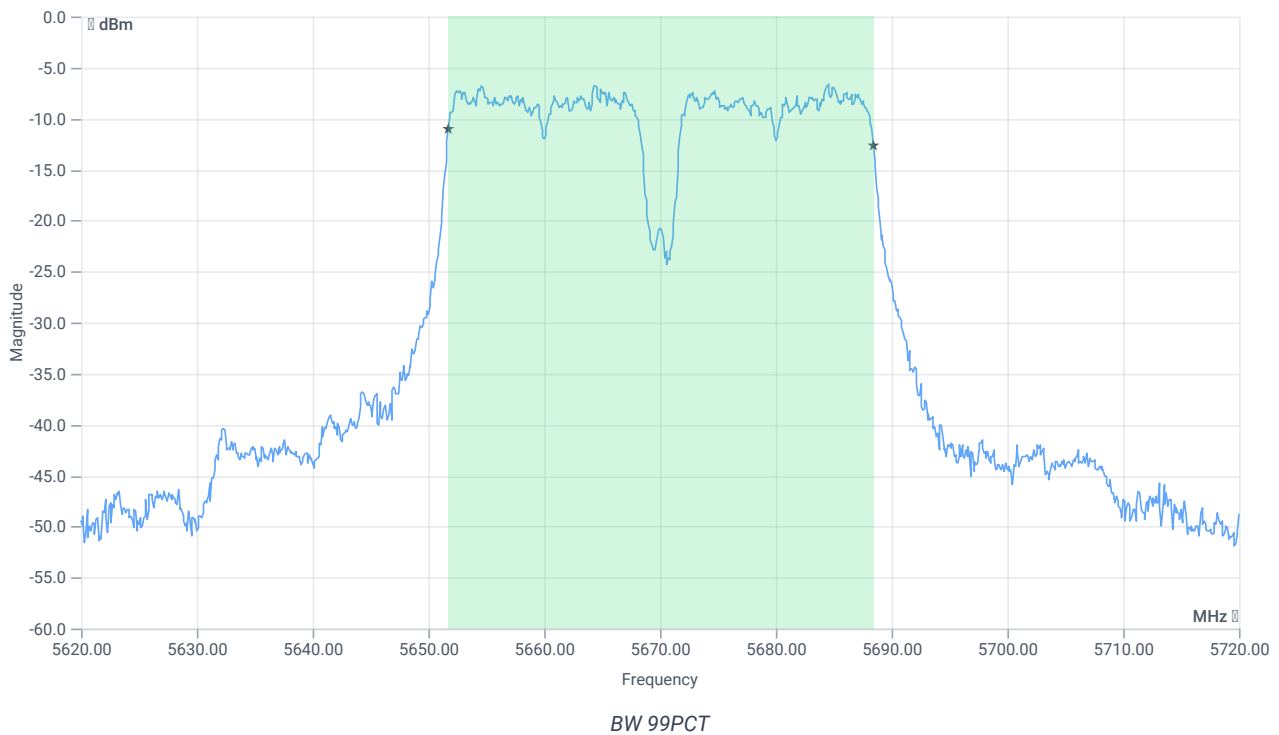
## Test at TX 5670 MHz

RESULT: Reference power cond.

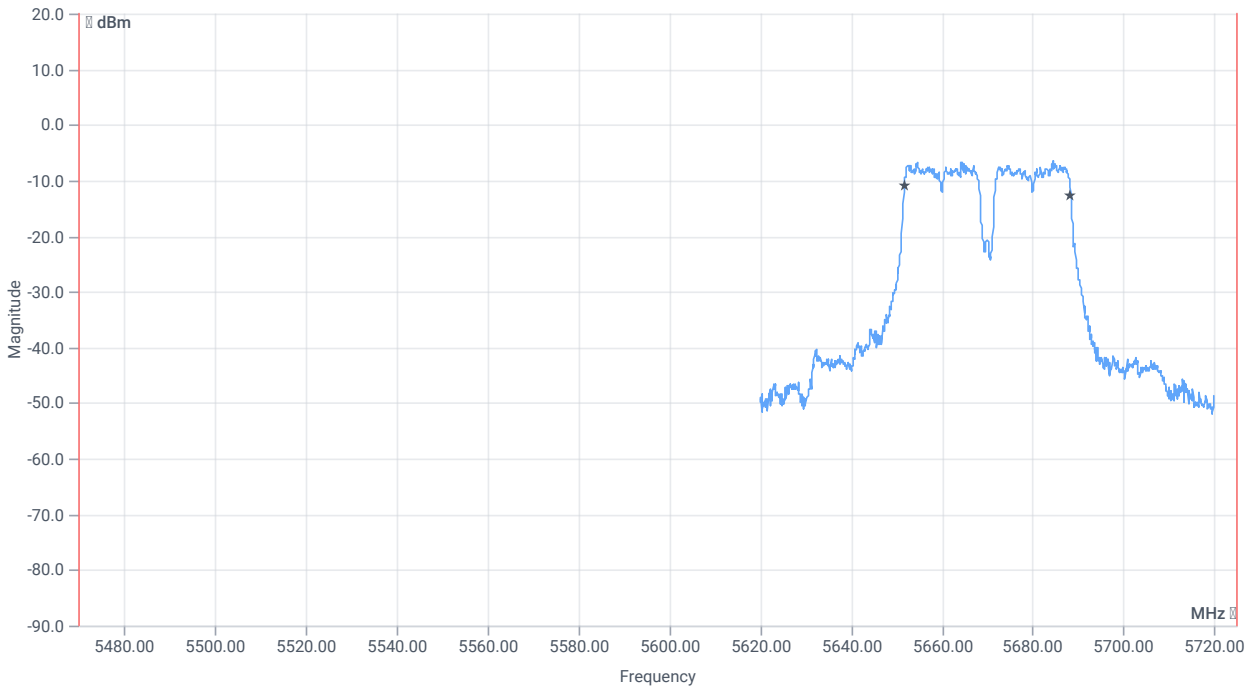
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.30	dBm	INFO
Ref. frequency	--	--	5677.590	MHz	INFO

### 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



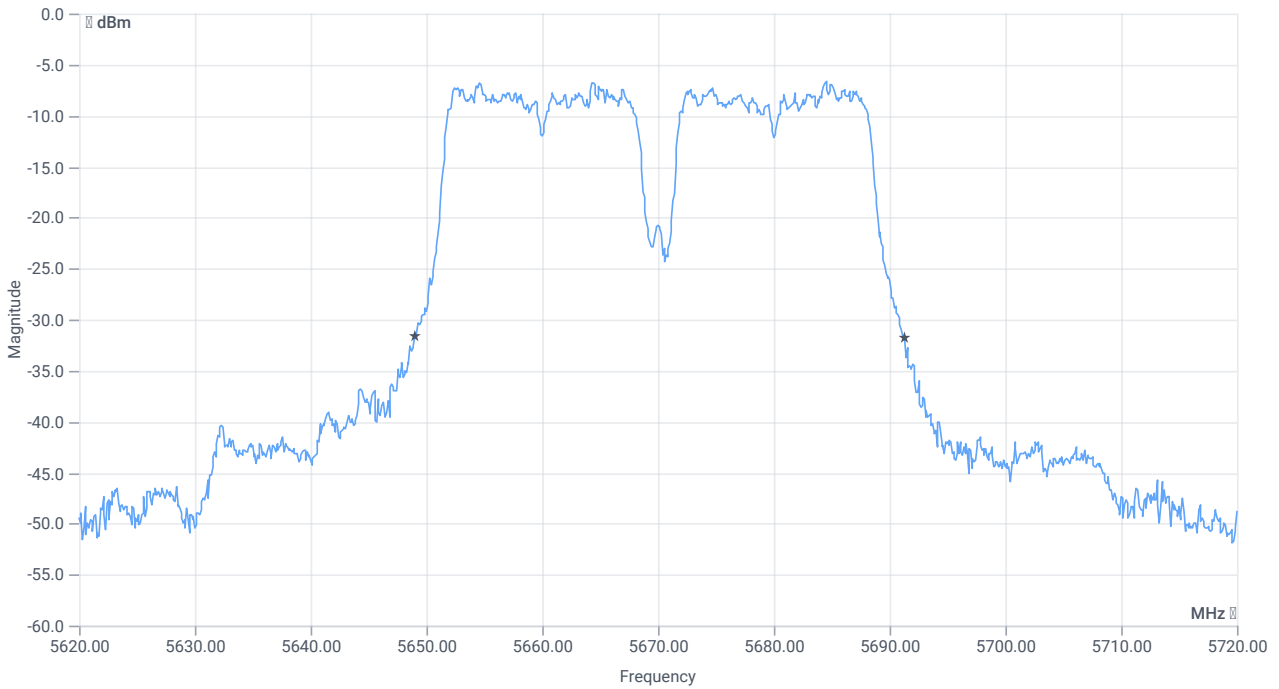




*BW within band 99PCT*

## 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

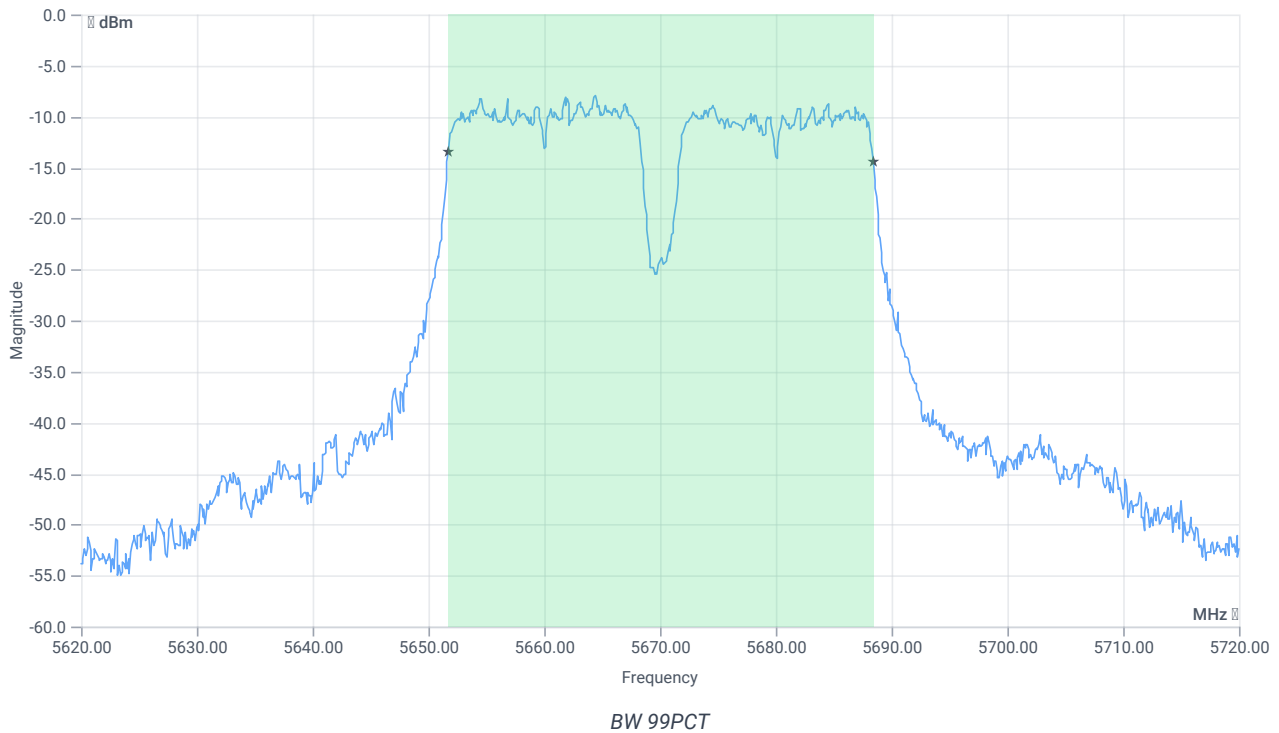
## Test at TX 5670 MHz

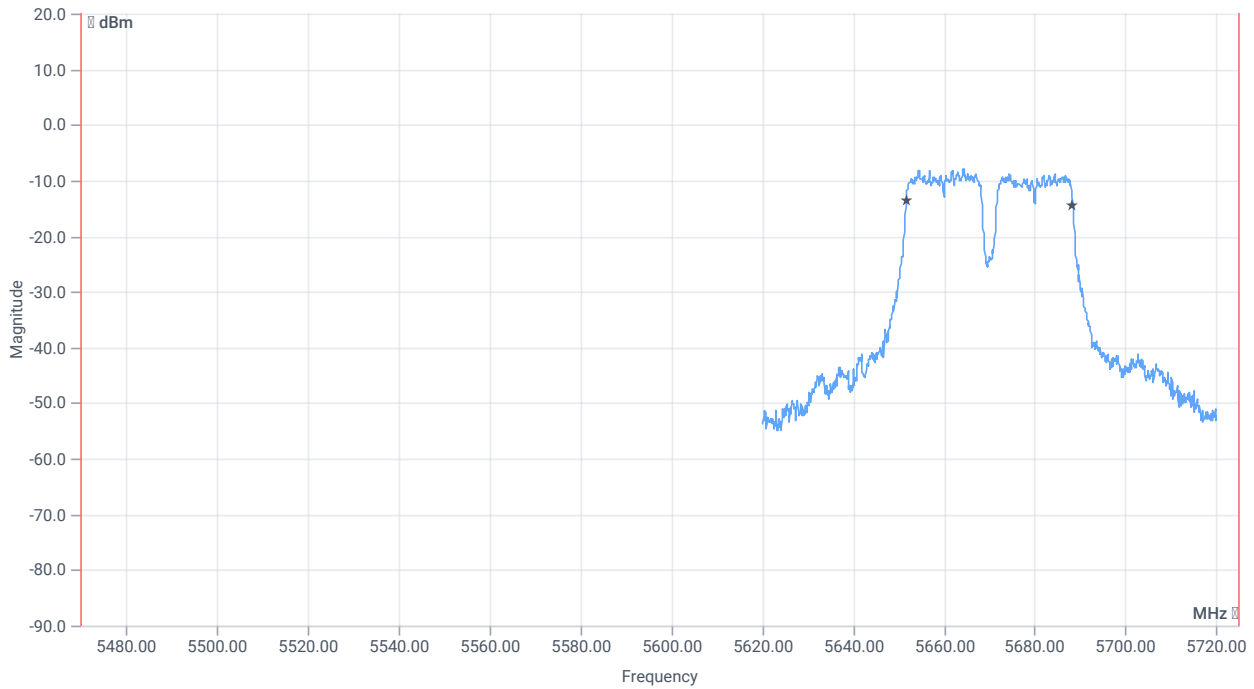
RESULT: Reference power cond.

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

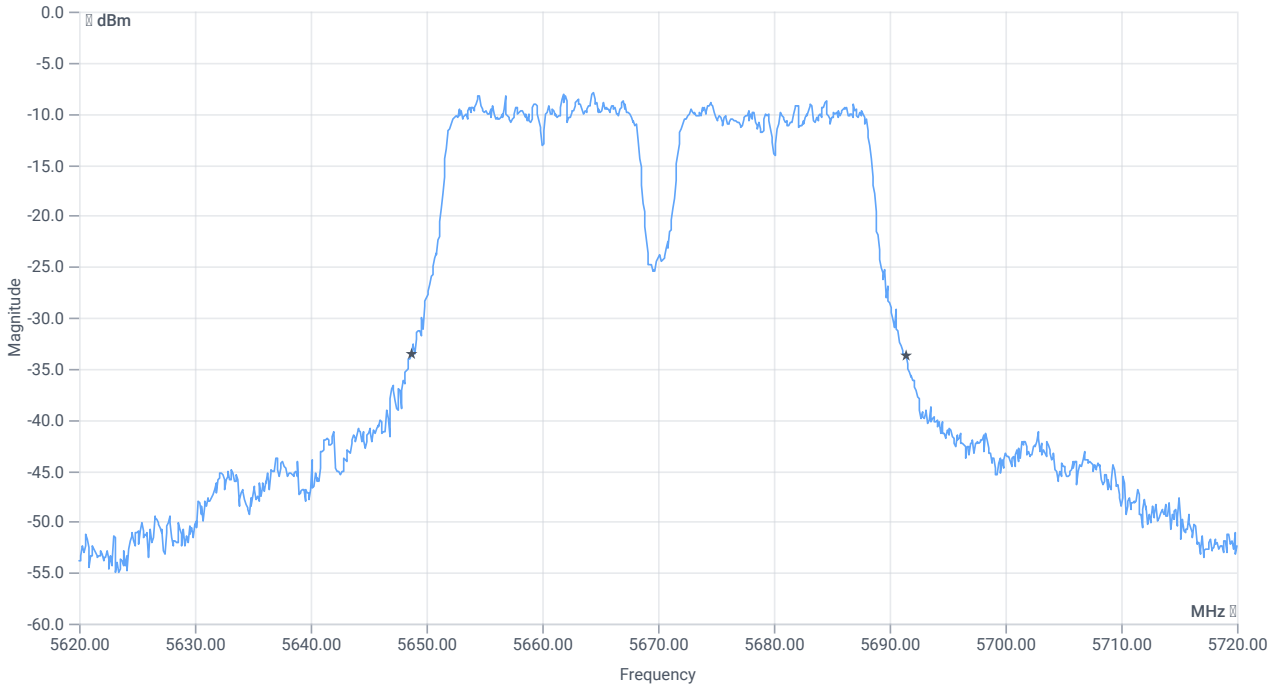




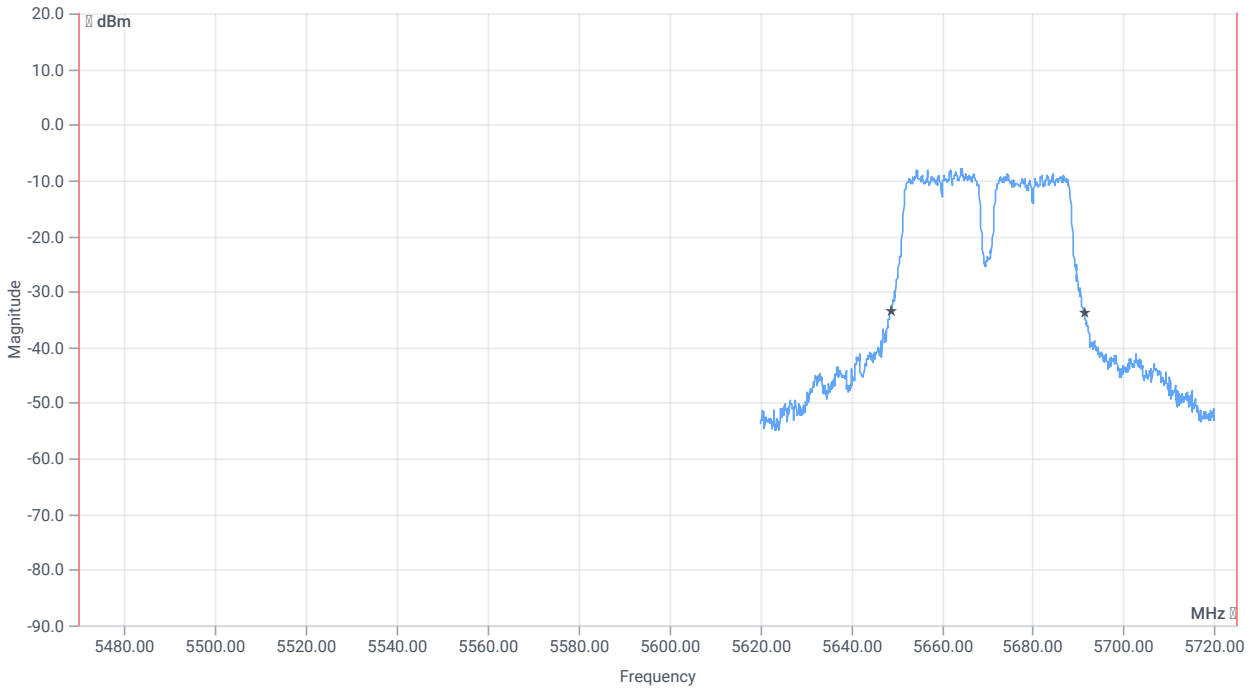
*BW within band 99PCT*

## 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-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

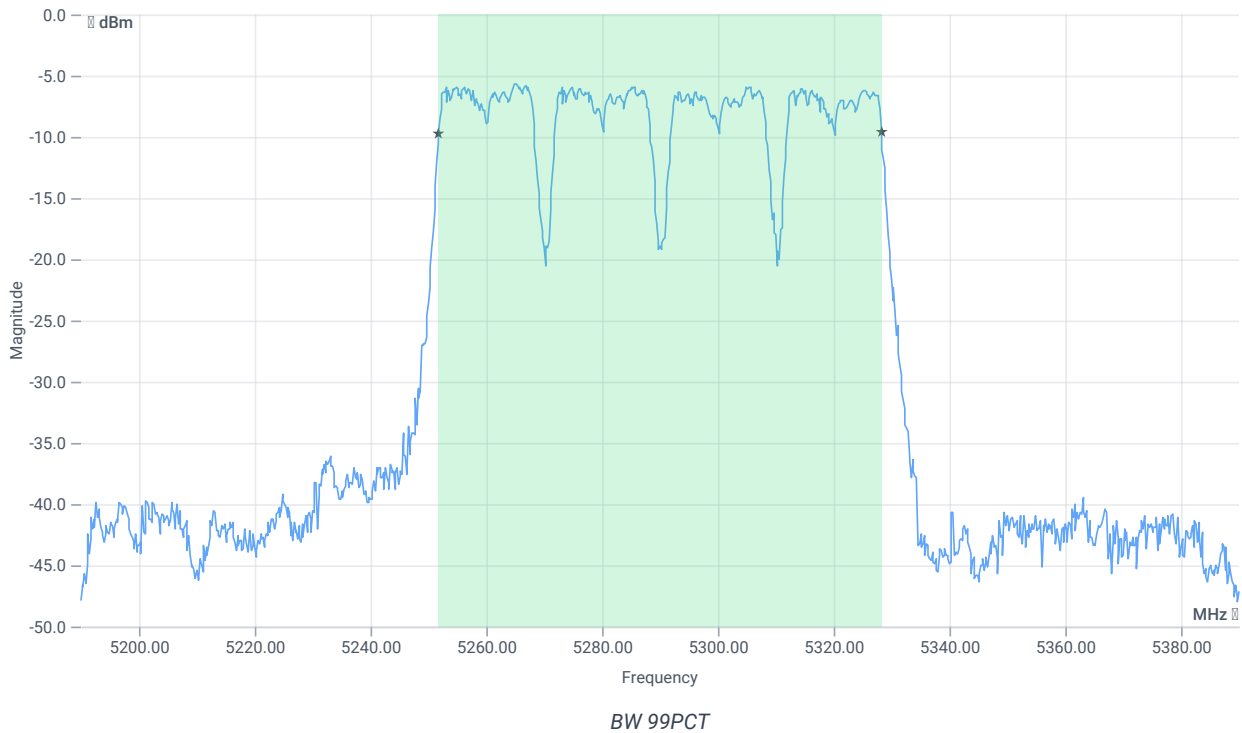
## Test at TX 5290 MHz

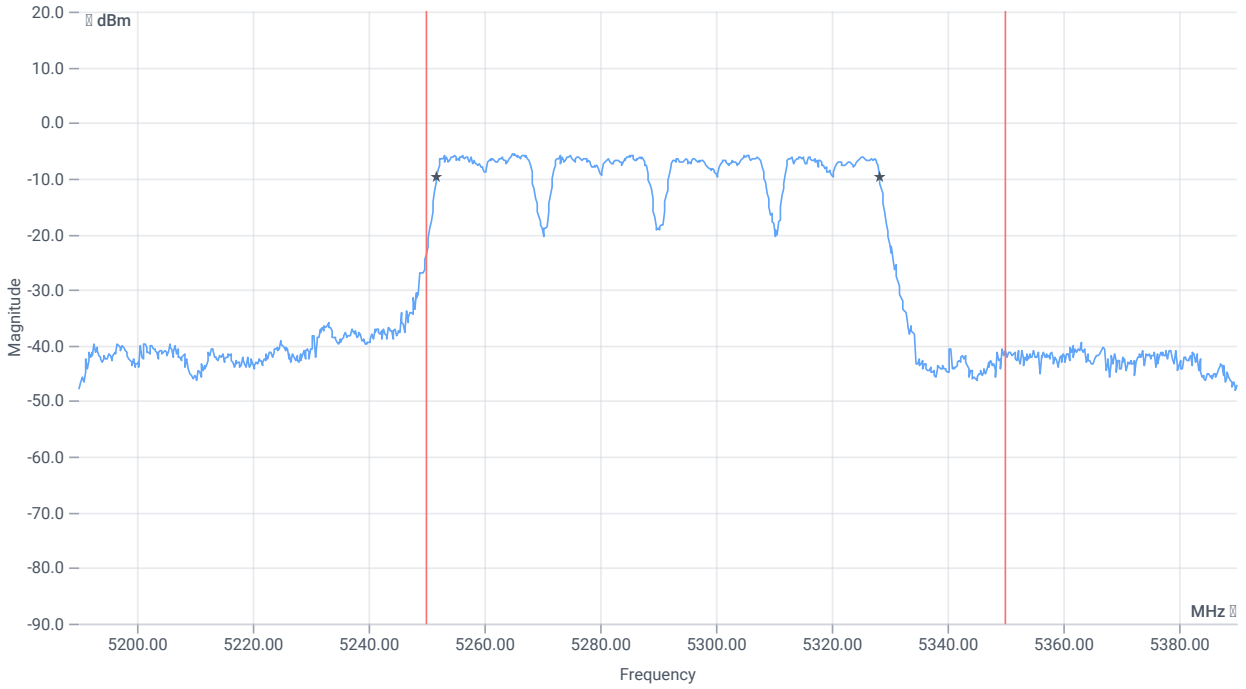
RESULT: Reference power cond.

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

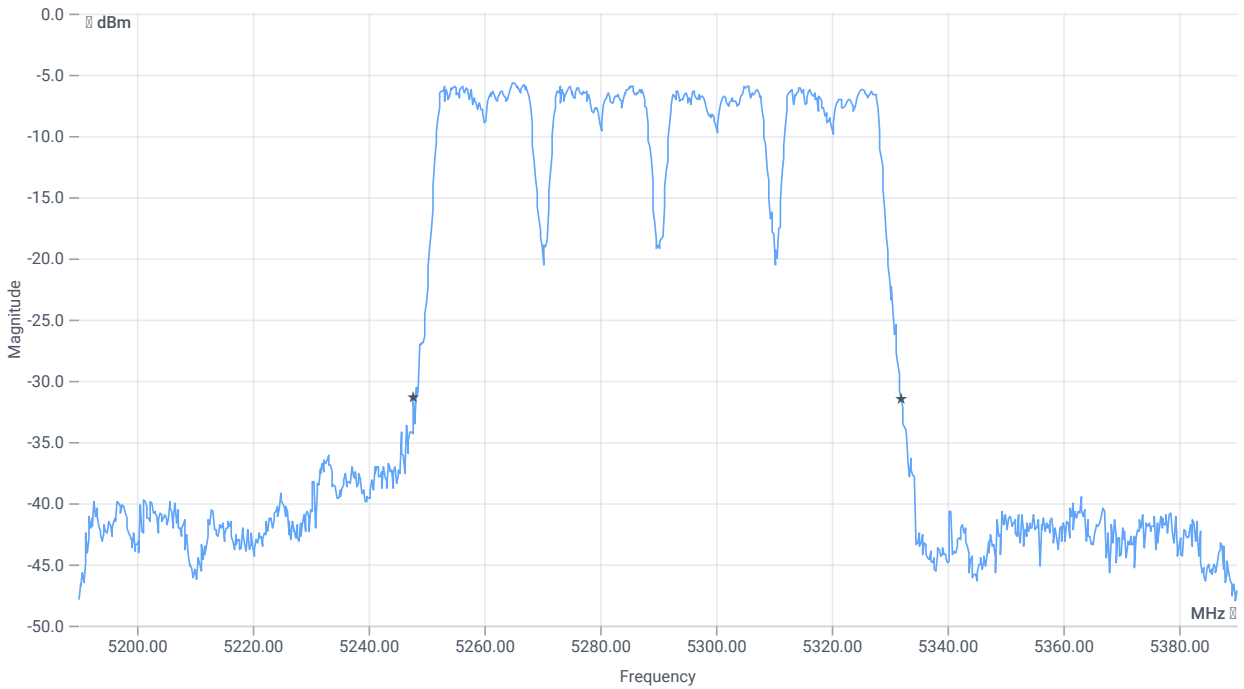




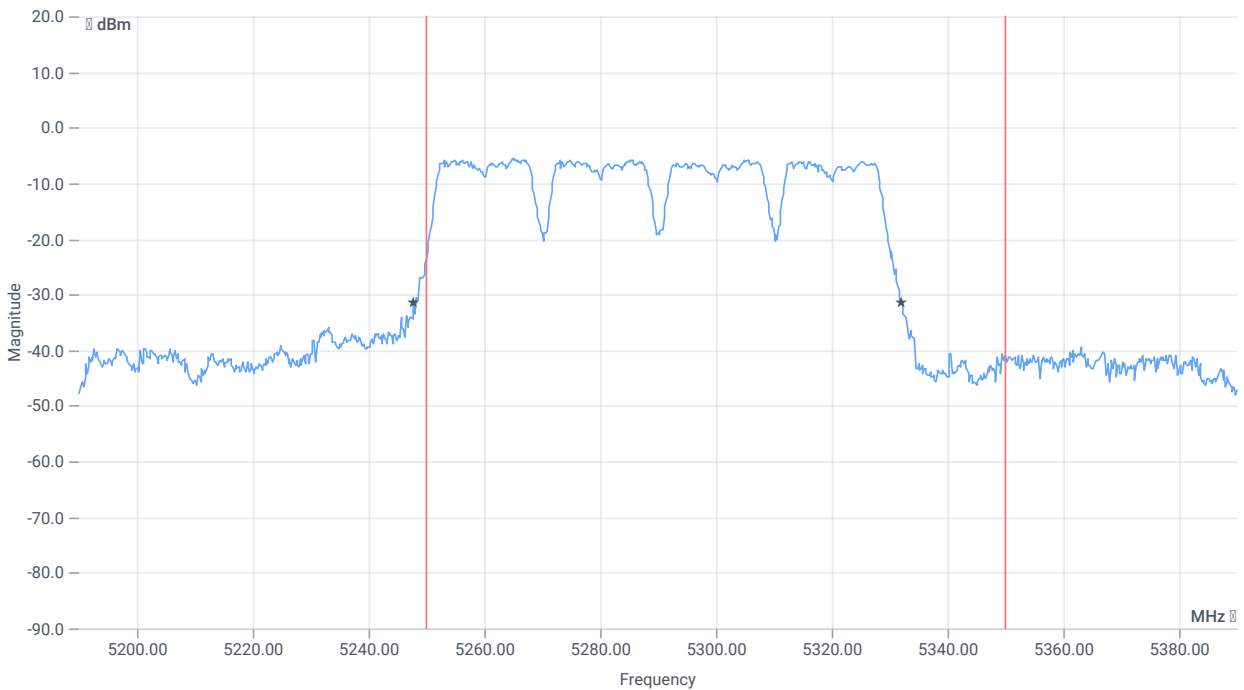
*BW within band 99PCT*

## 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

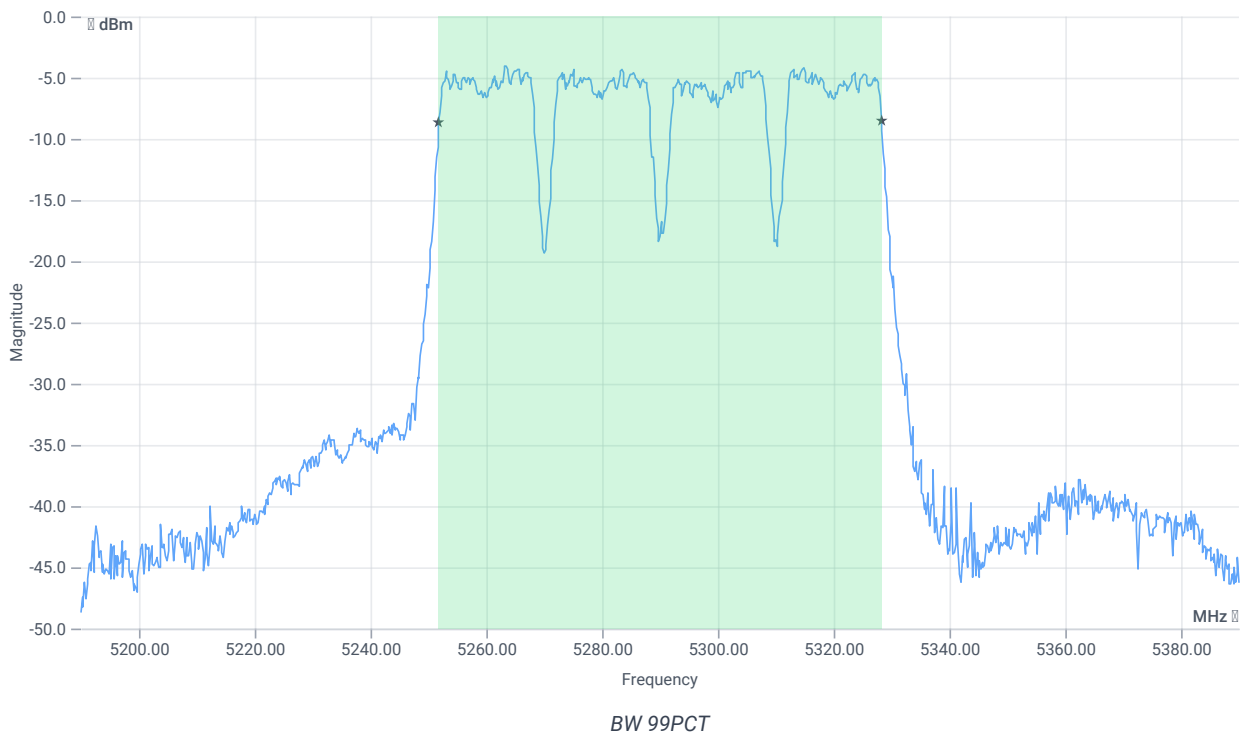
## Test at TX 5290 MHz

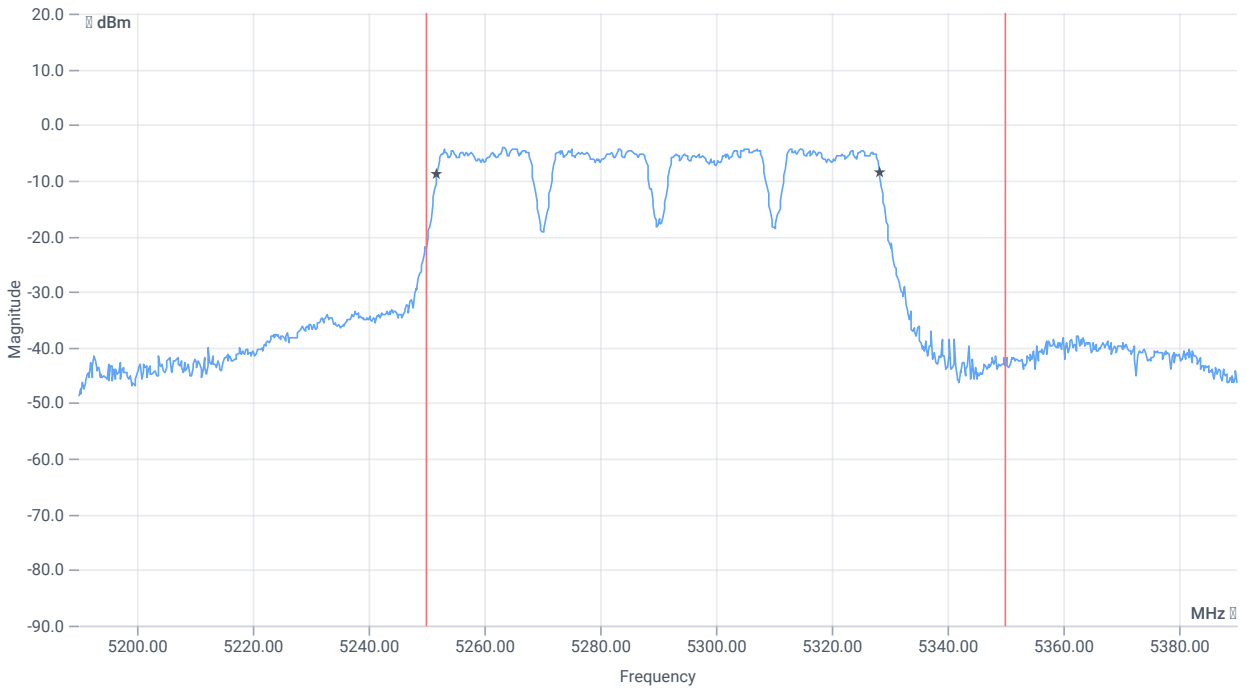
RESULT: Reference power cond.

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



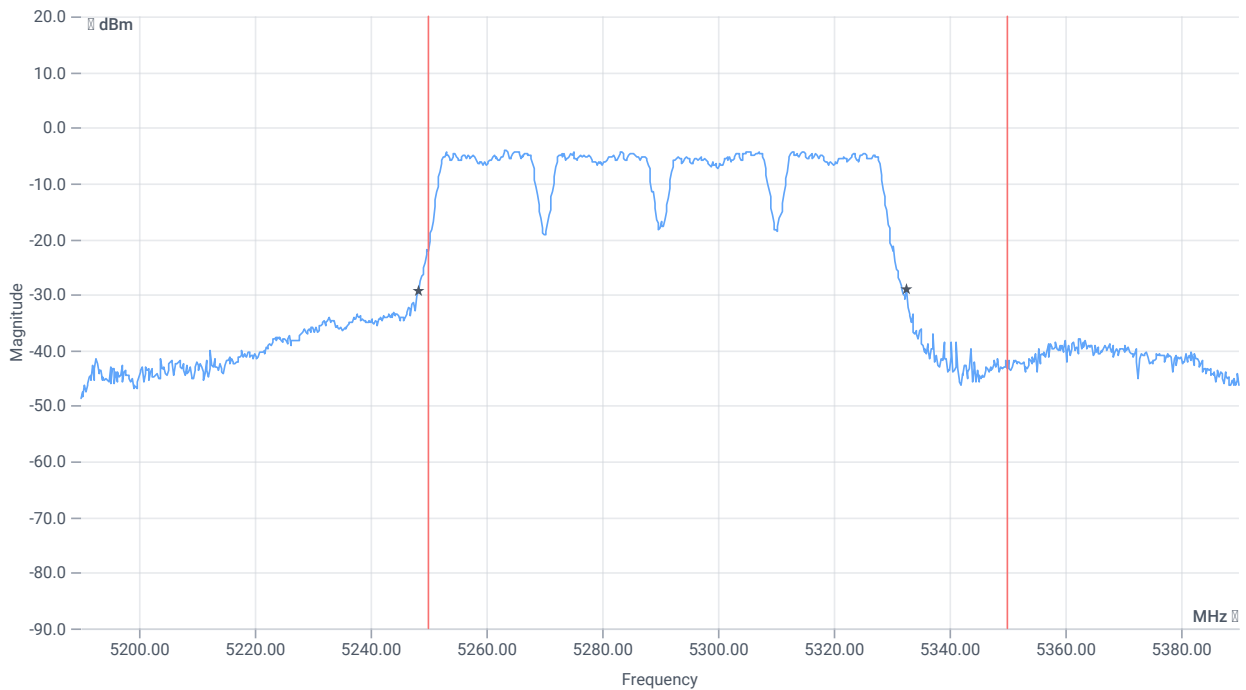
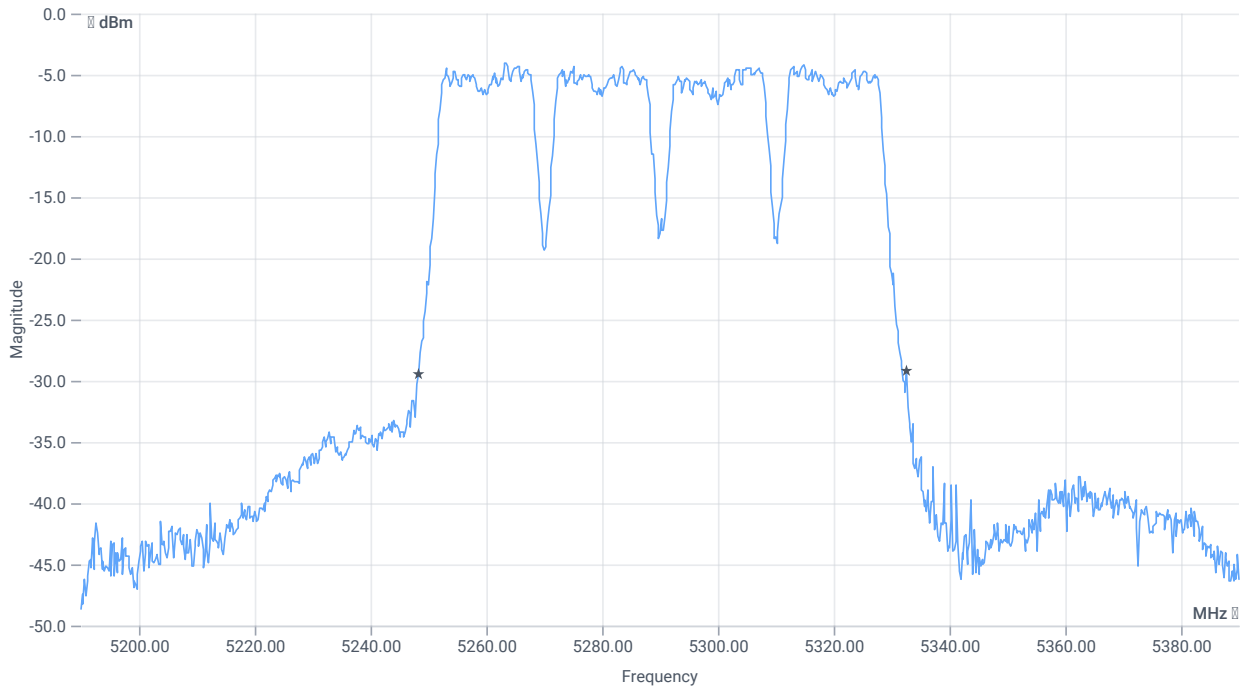


*BW within band 99PCT*

## 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





## 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 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

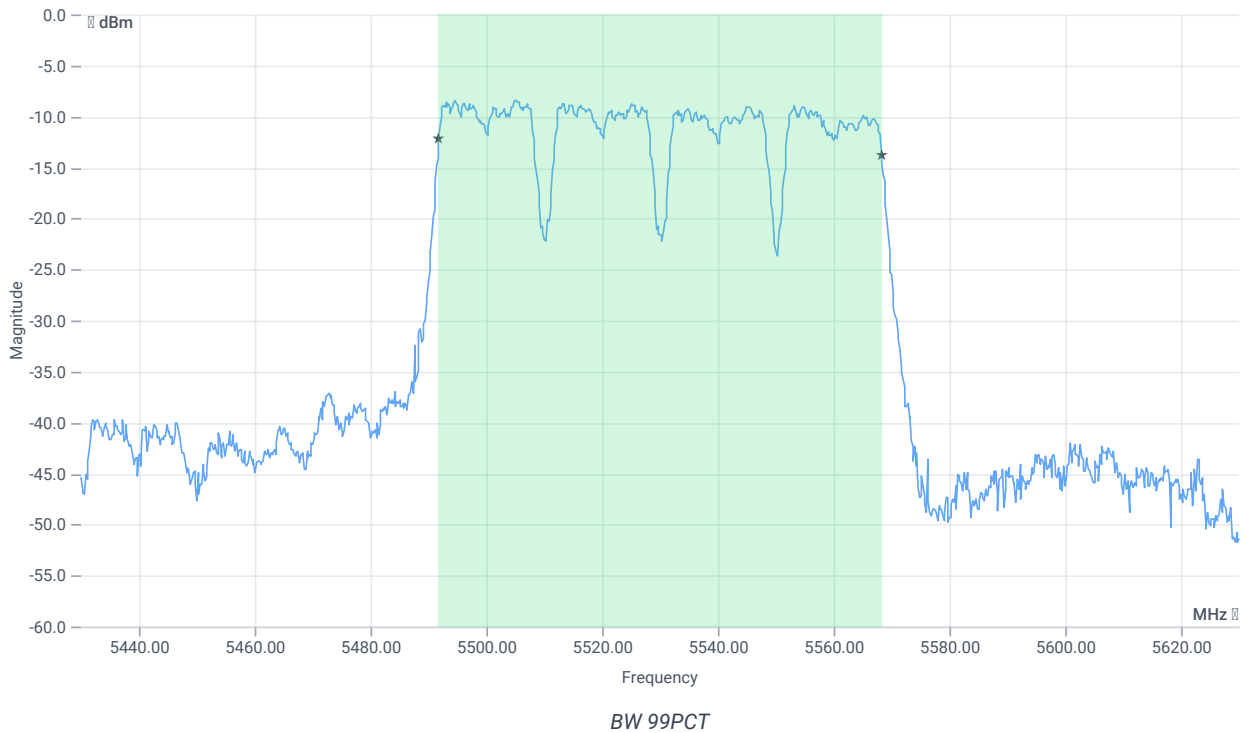
## Test at TX 5530 MHz

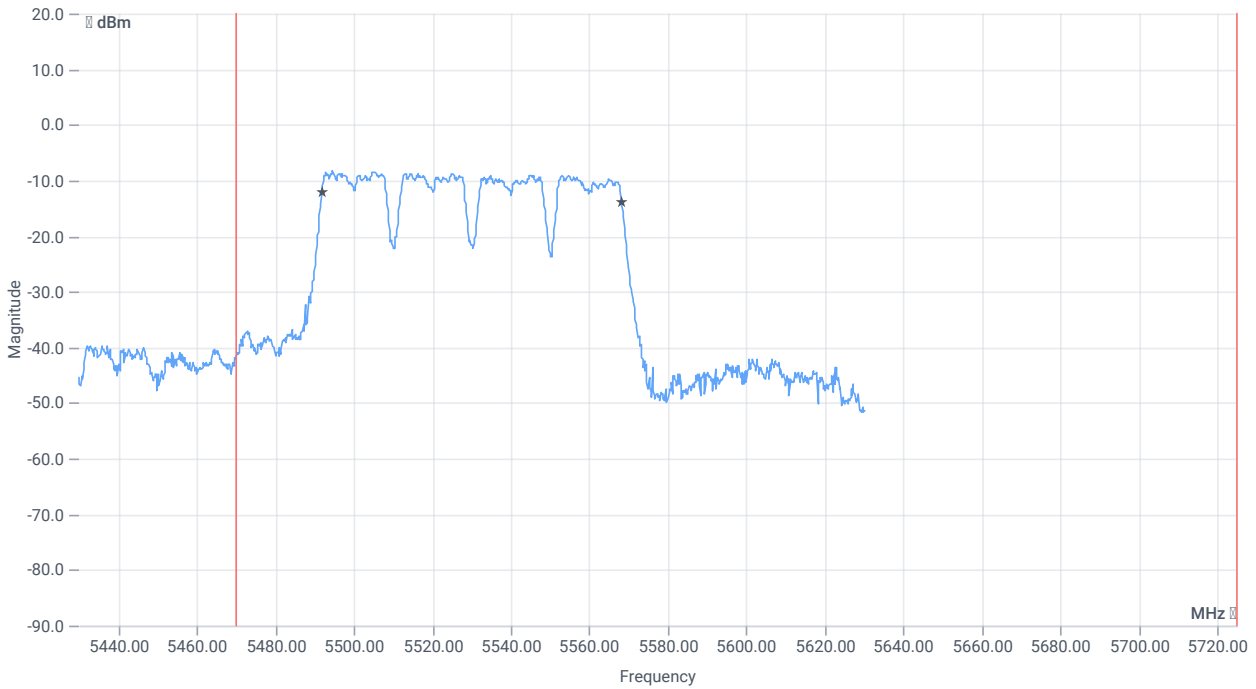
RESULT: Reference power cond.

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

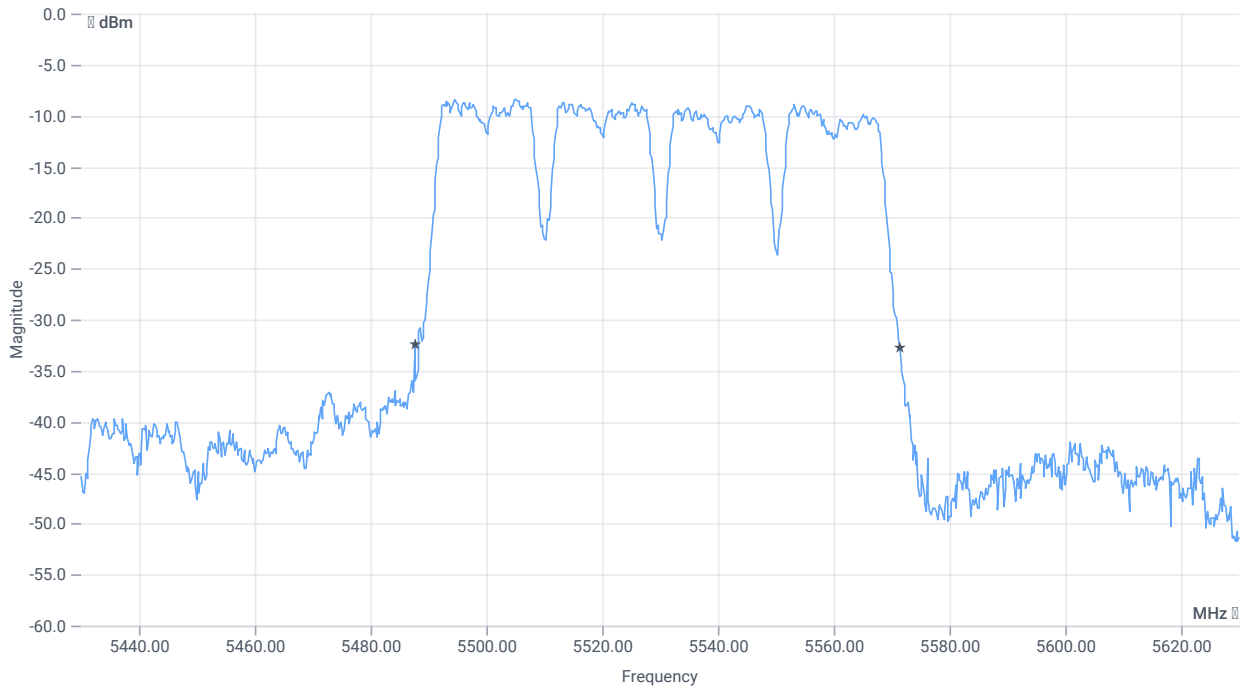




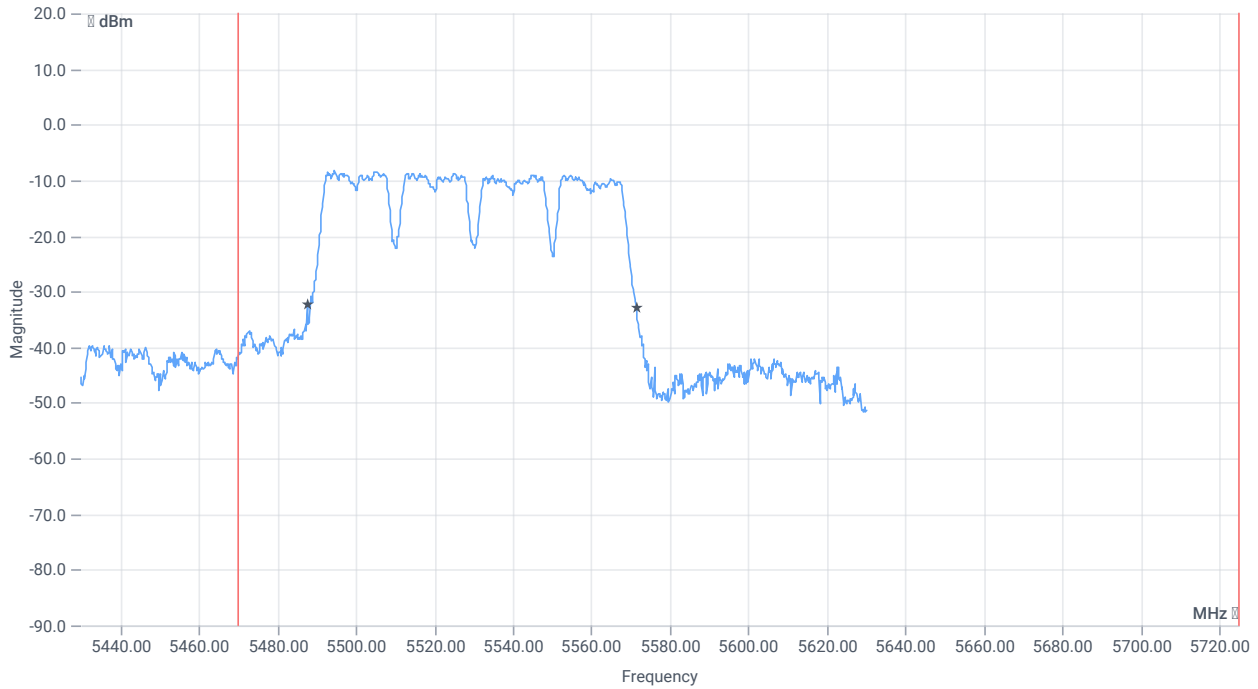
BW within band 99PCT

## 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



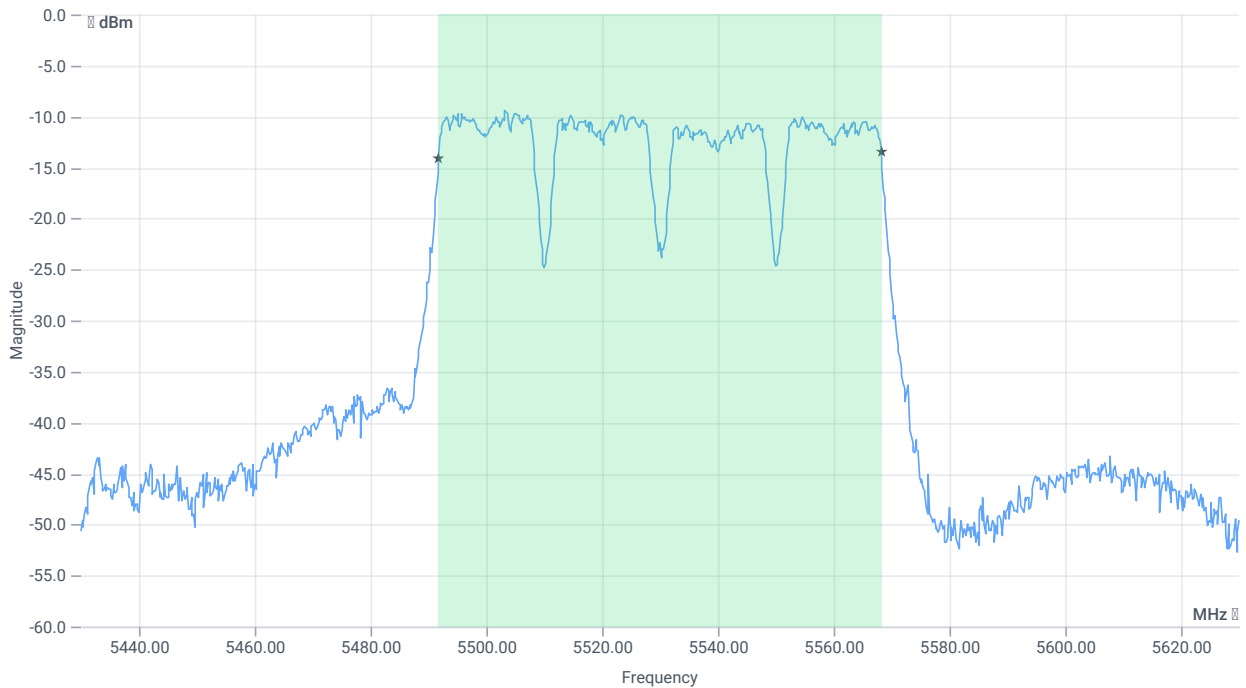
## Test at TX 5530 MHz

RESULT: Reference power cond.

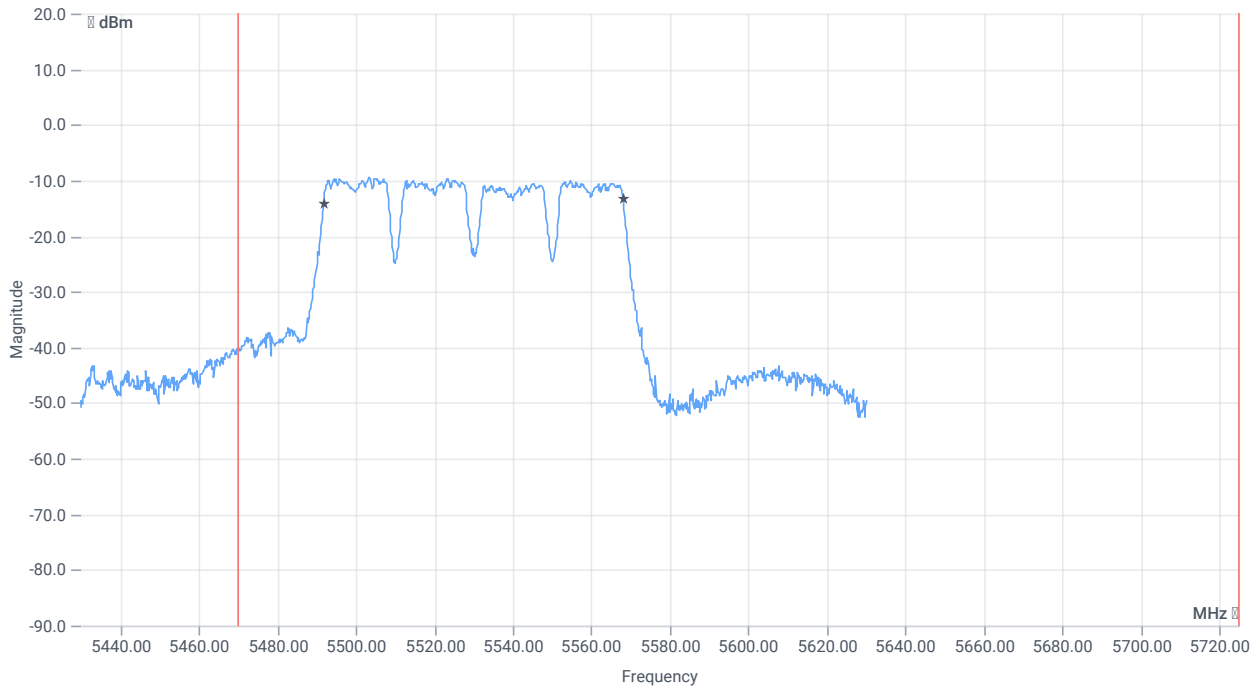
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-9.42	dBm	INFO
Ref. frequency	--	--	5505.420	MHz	INFO

### 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



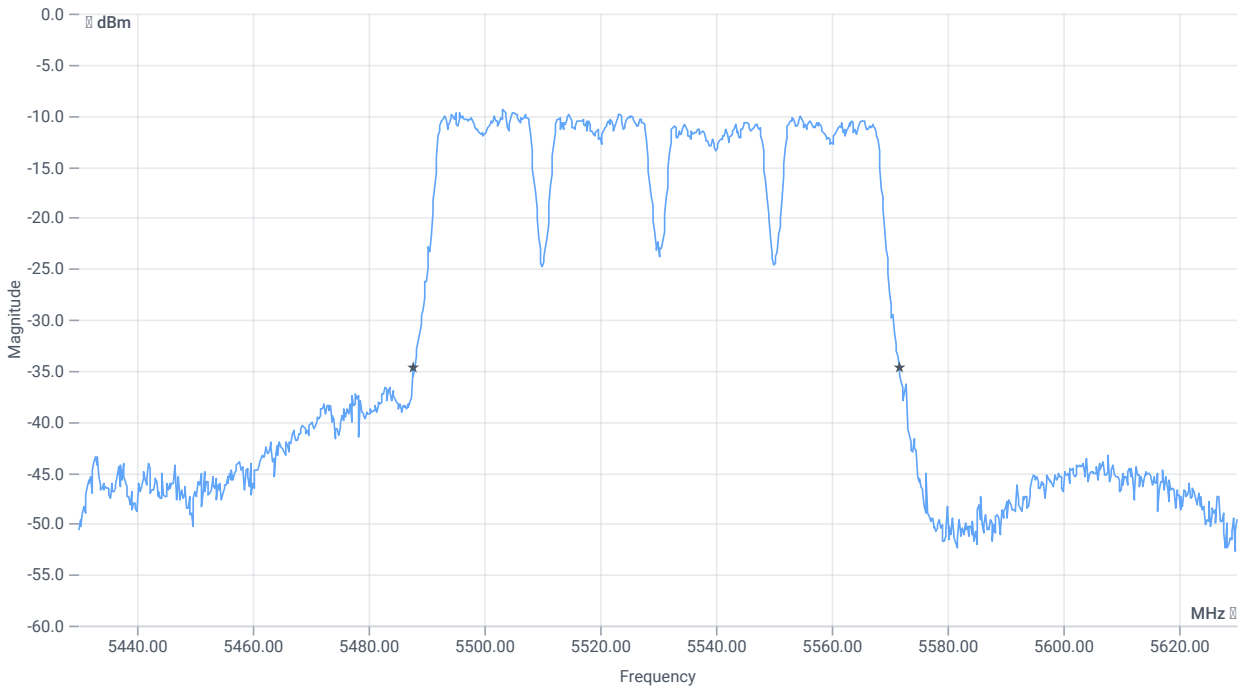
BW 99PCT



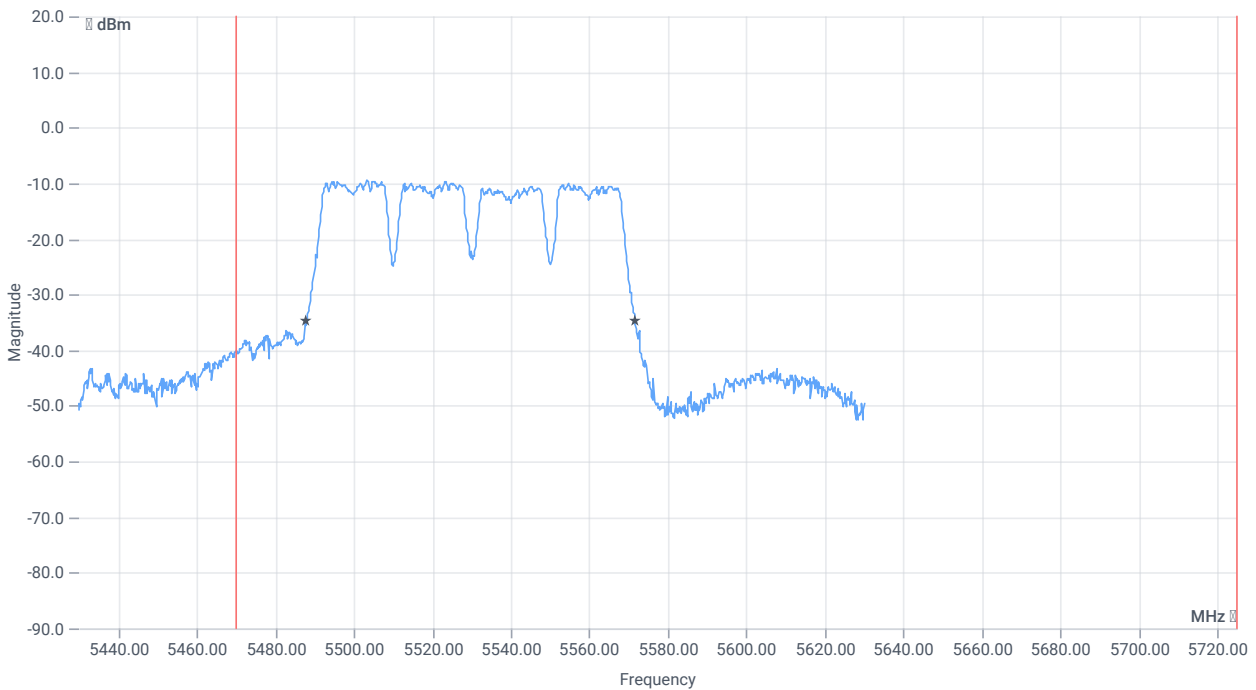
*BW within band 99PCT*

## 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

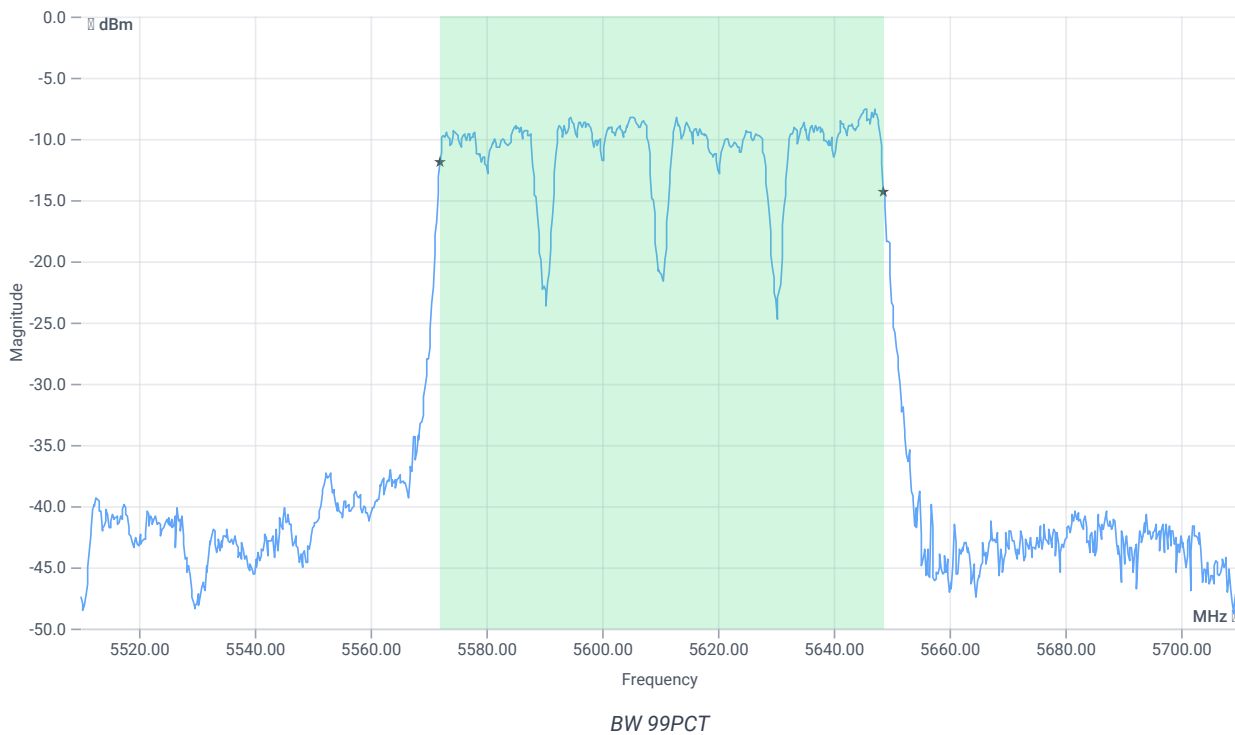
## Test at TX 5610 MHz

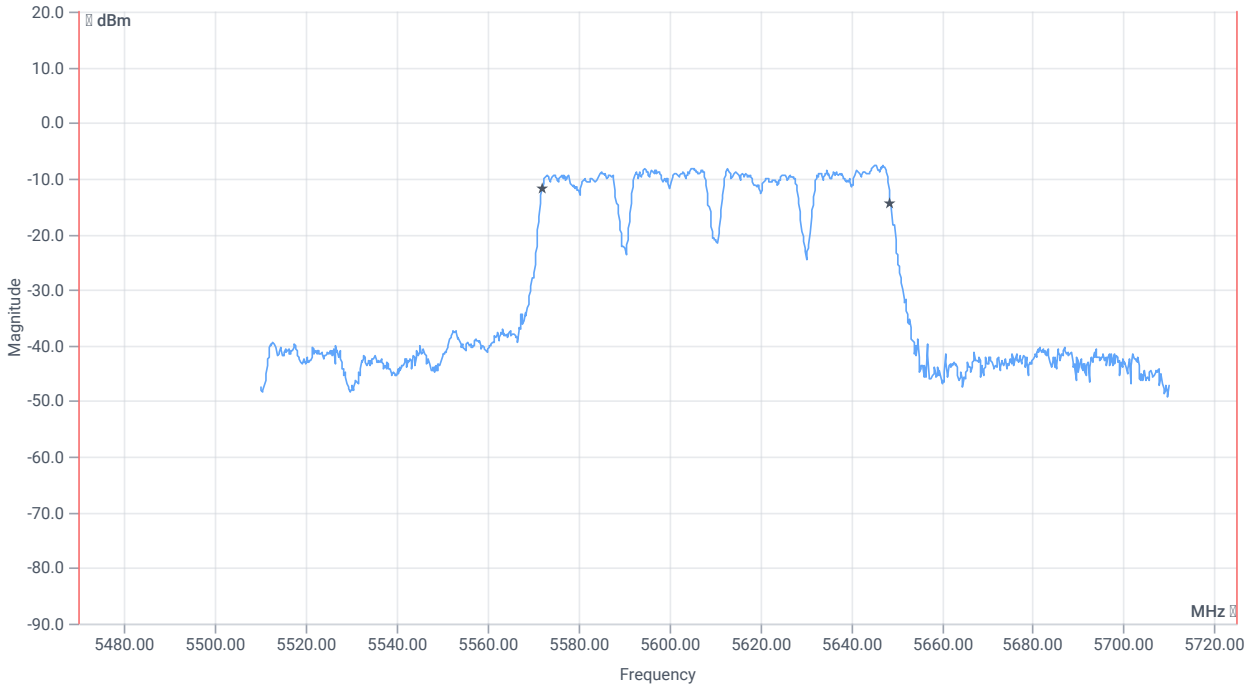
RESULT: Reference power cond.

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

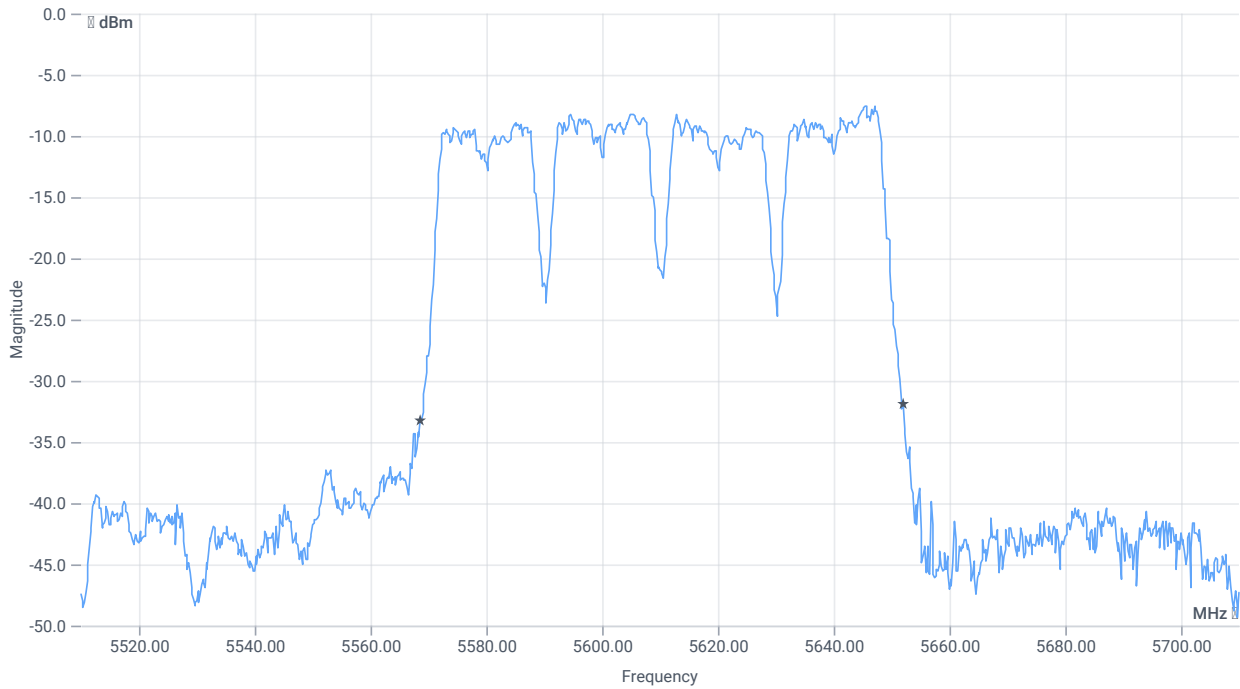




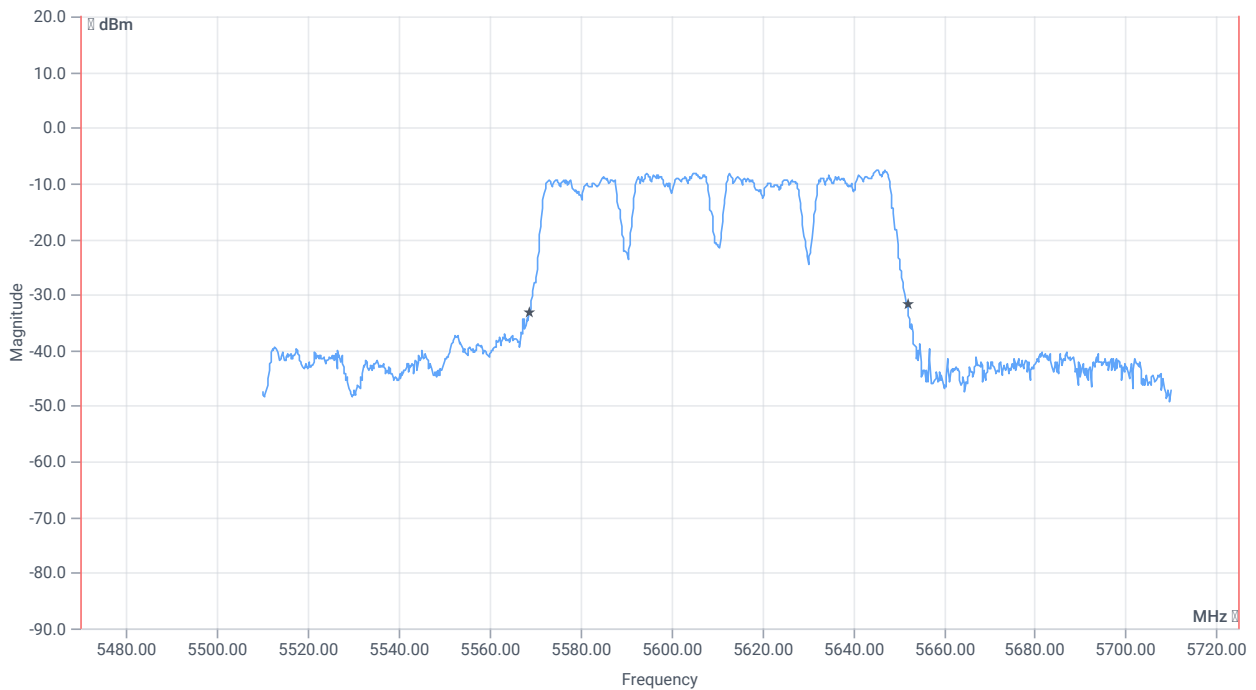
*BW within band 99PCT*

## 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

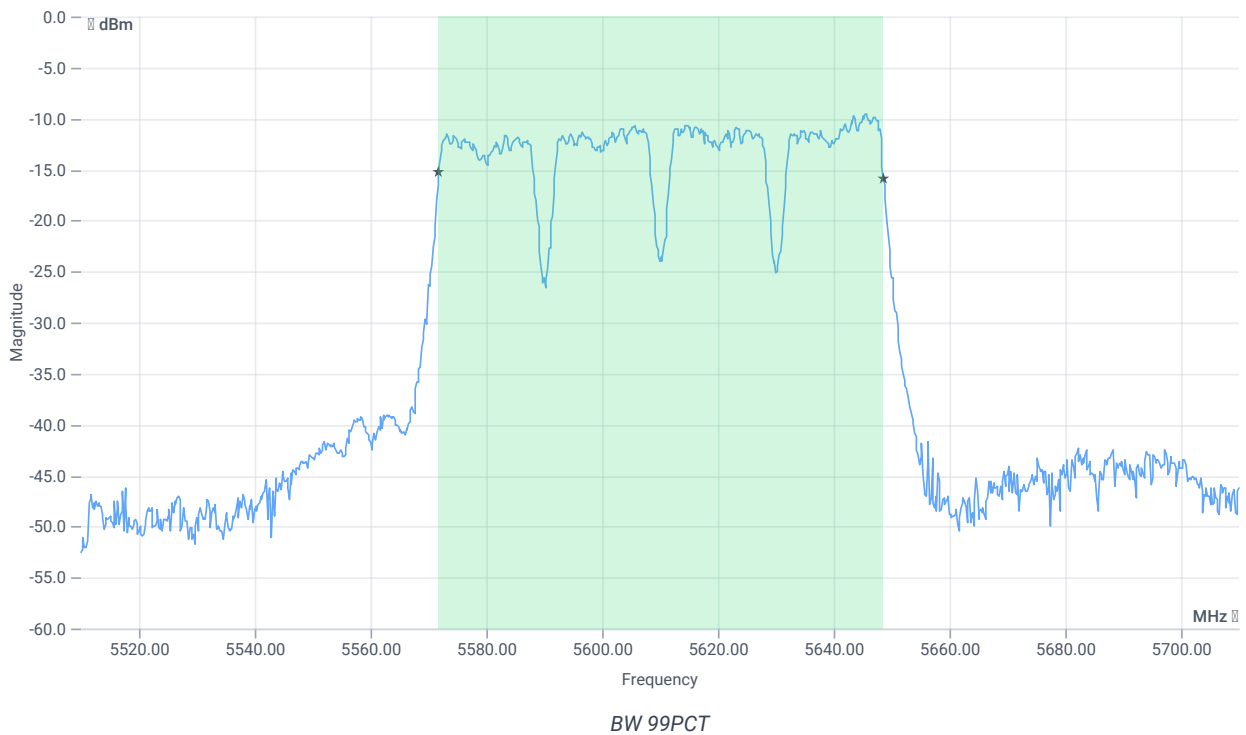
## Test at TX 5610 MHz

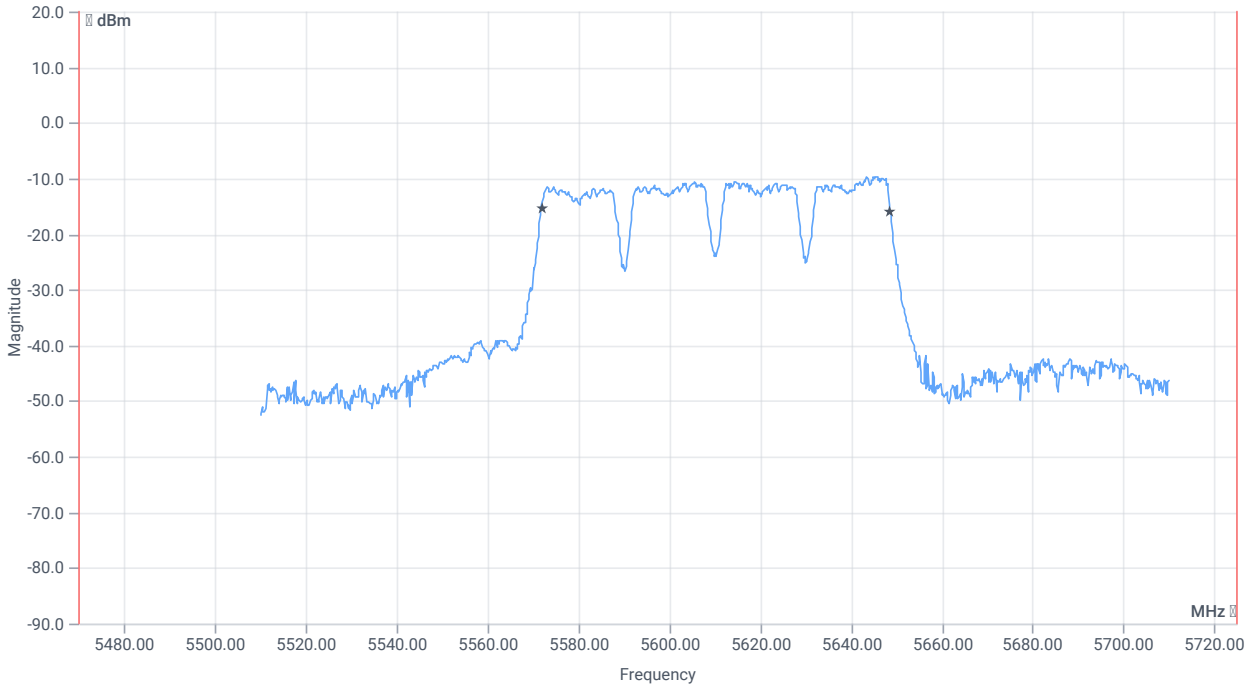
RESULT: Reference power cond.

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

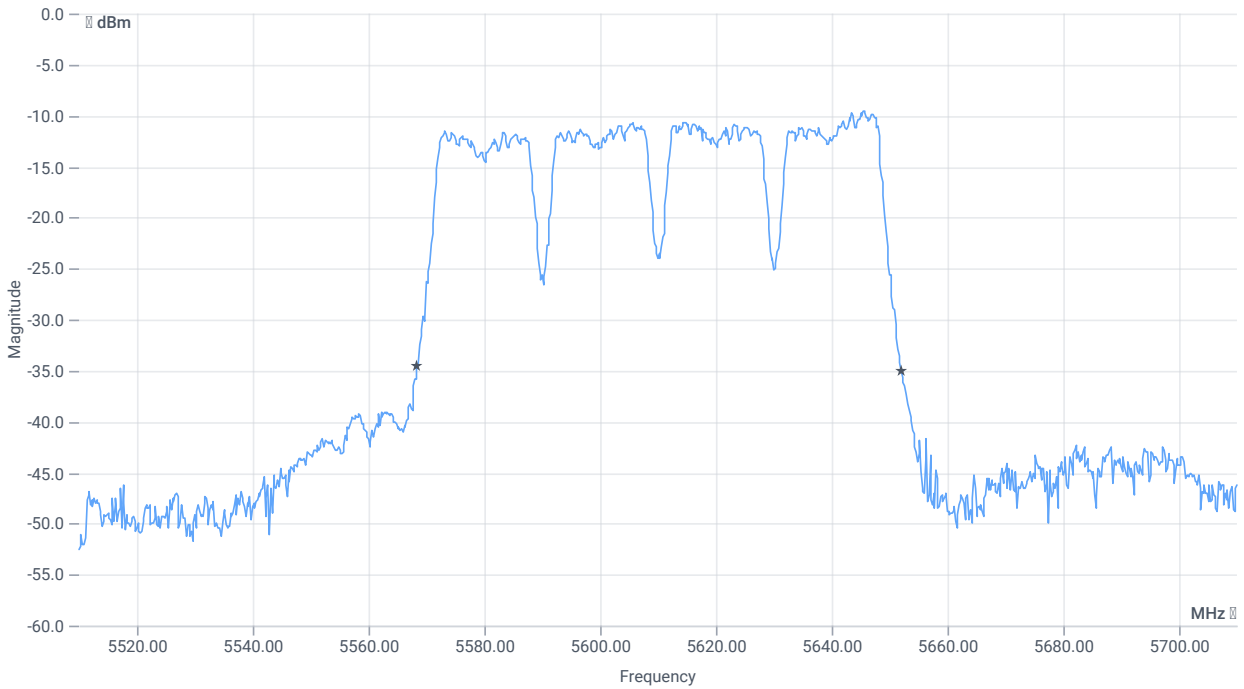




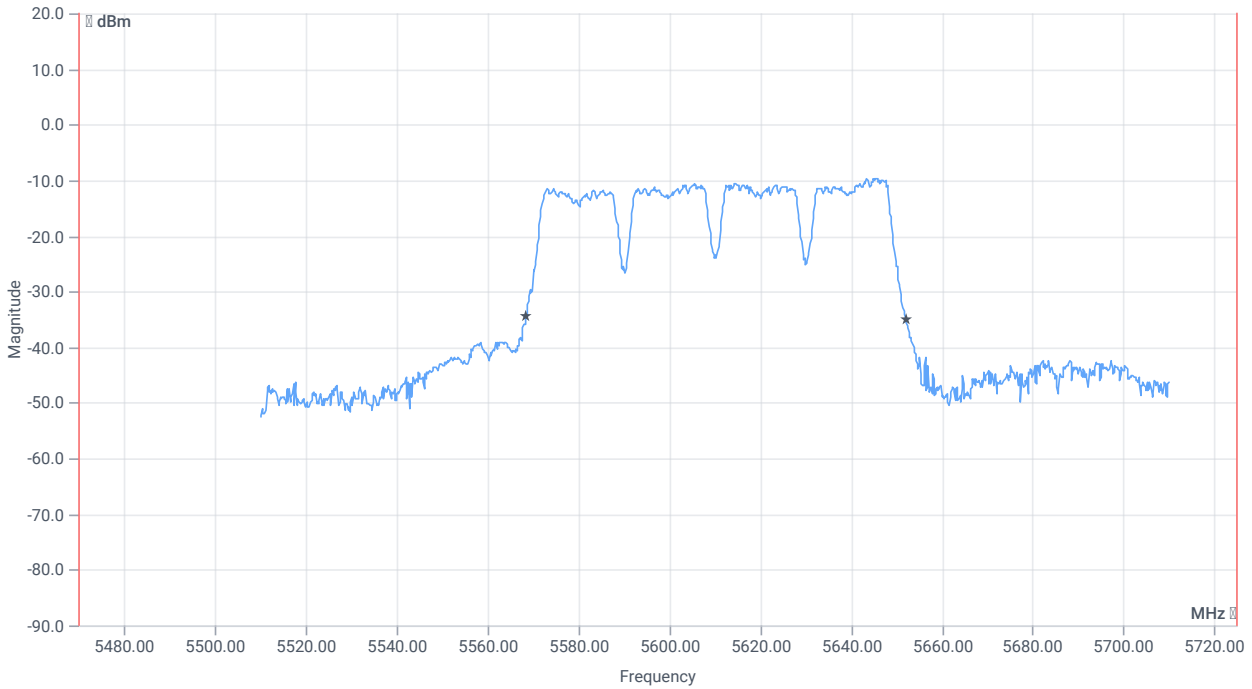
*BW within band 99PCT*

## 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, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx ac-VHT80 mode U-NII-3

## References

TC start	26.01.2024 19:01:47
Ambit temp [°C]   humidity [rel%]	26.7   35
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5775 MHz

RESULT: Reference power cond.

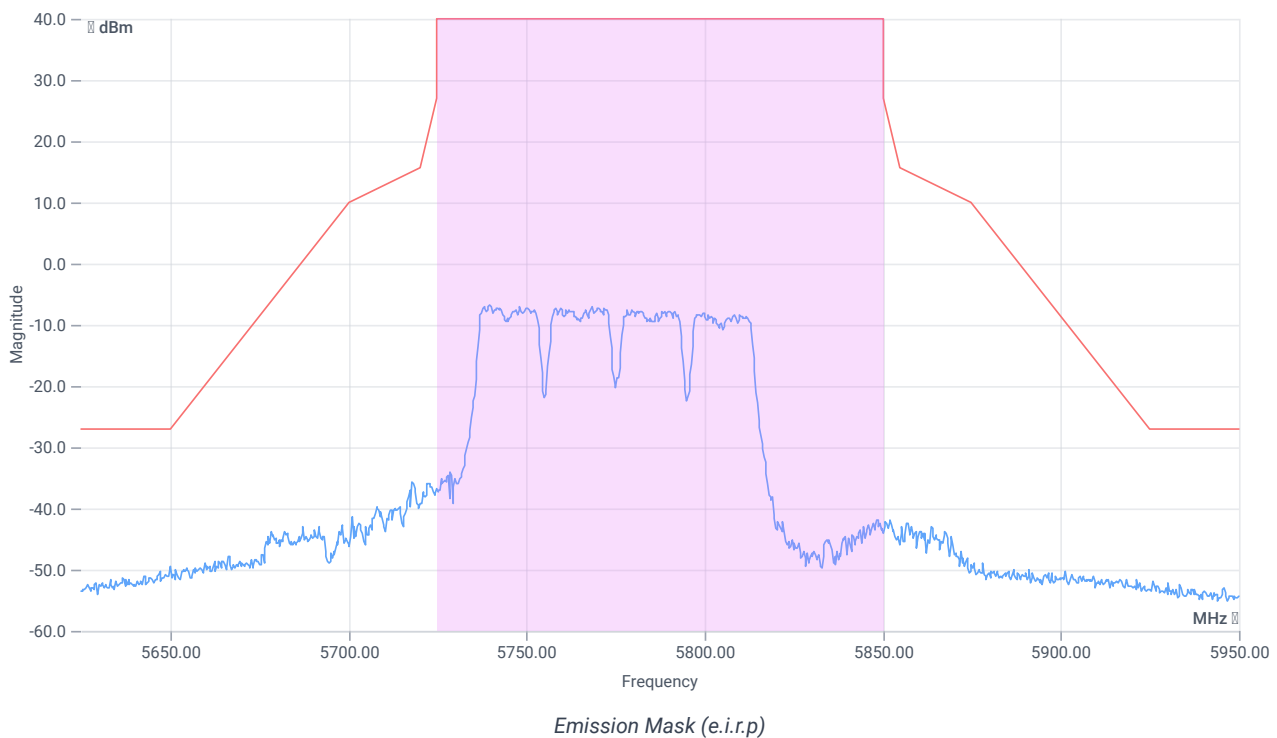
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.81	dBm	INFO
Ref. frequency	--	--	5739.440	MHz	INFO

## Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	-3.81   10.41   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx ac-VHT80 mode U-NII-3

## References

TC start	26.01.2024 18:50:46
Ambit temp [°C]   humidity [rel%]	26.7   35
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5775 MHz

RESULT: Reference power cond.

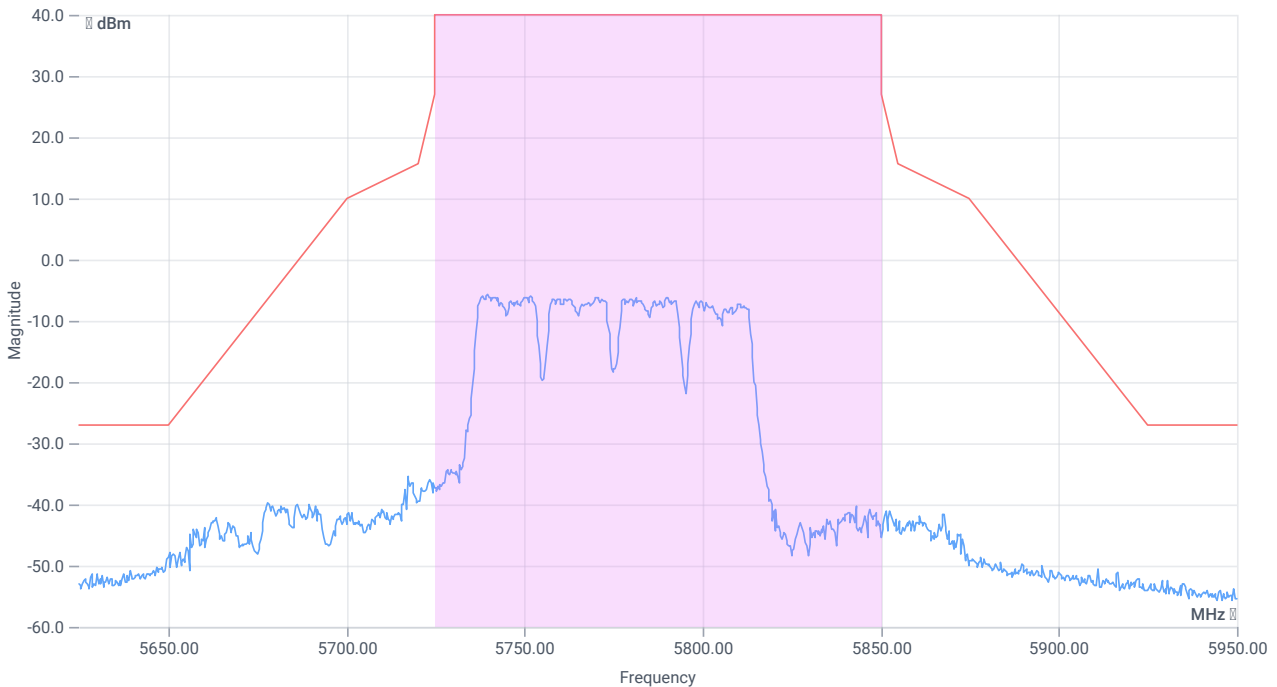
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-6.08	dBm	INFO
Ref. frequency	--	--	5739.440	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	-3.08   10.38   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



Emission Mask (e.i.r.p)

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

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

## References

TC start	26.01.2024 18:21:38
Ambit temp [°C]   humidity [rel%]	26.8   31
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5795 MHz

RESULT: Reference power cond.

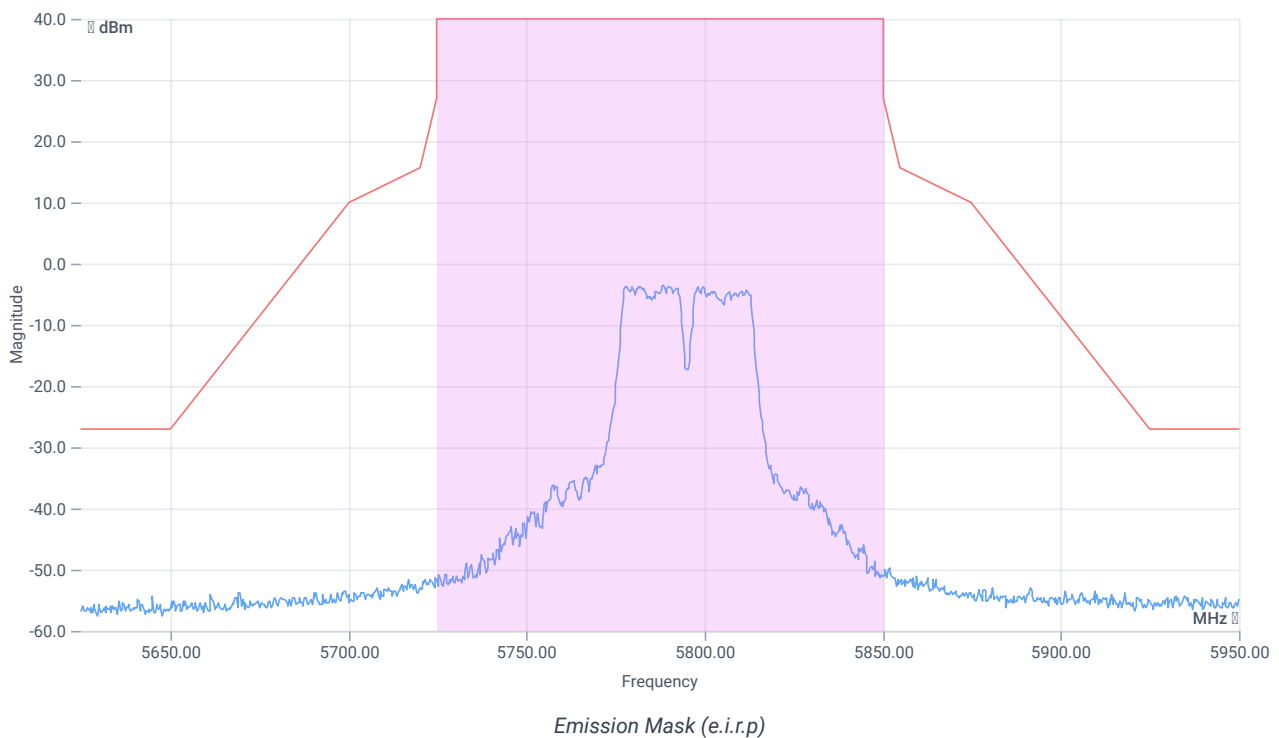
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.42	dBm	INFO
Ref. frequency	--	--	5779.420	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	-0.42   10.41   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

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

## References

TC start	26.01.2024 18:14:39
Ambit temp [°C]   humidity [rel%]	26.7   33
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001



## Test at TX 5795 MHz

RESULT: Reference power cond.

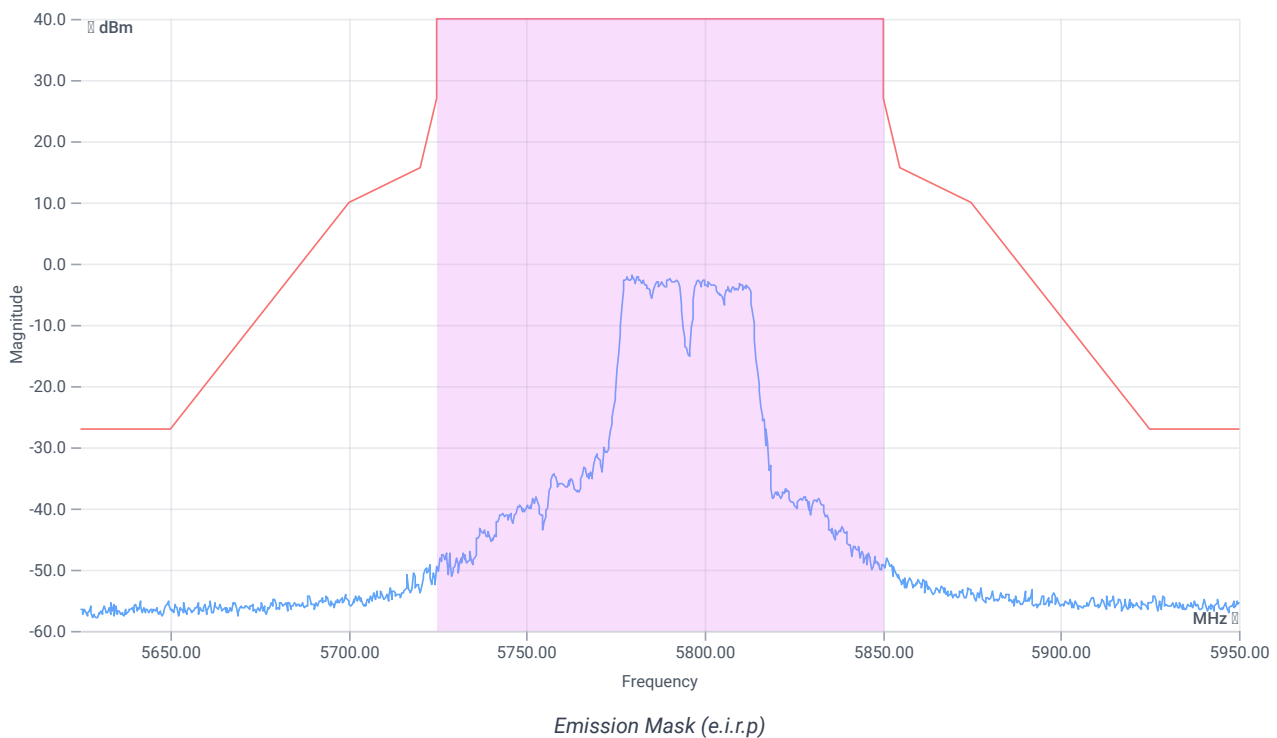
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.93	dBm	INFO
Ref. frequency	--	--	5782.410	MHz	INFO

## Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	0.07   10.37   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

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

## References

TC start	26.01.2024 18:03:08
Ambit temp [°C]   humidity [rel%]	26.8   33
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5755 MHz

RESULT: Reference power cond.

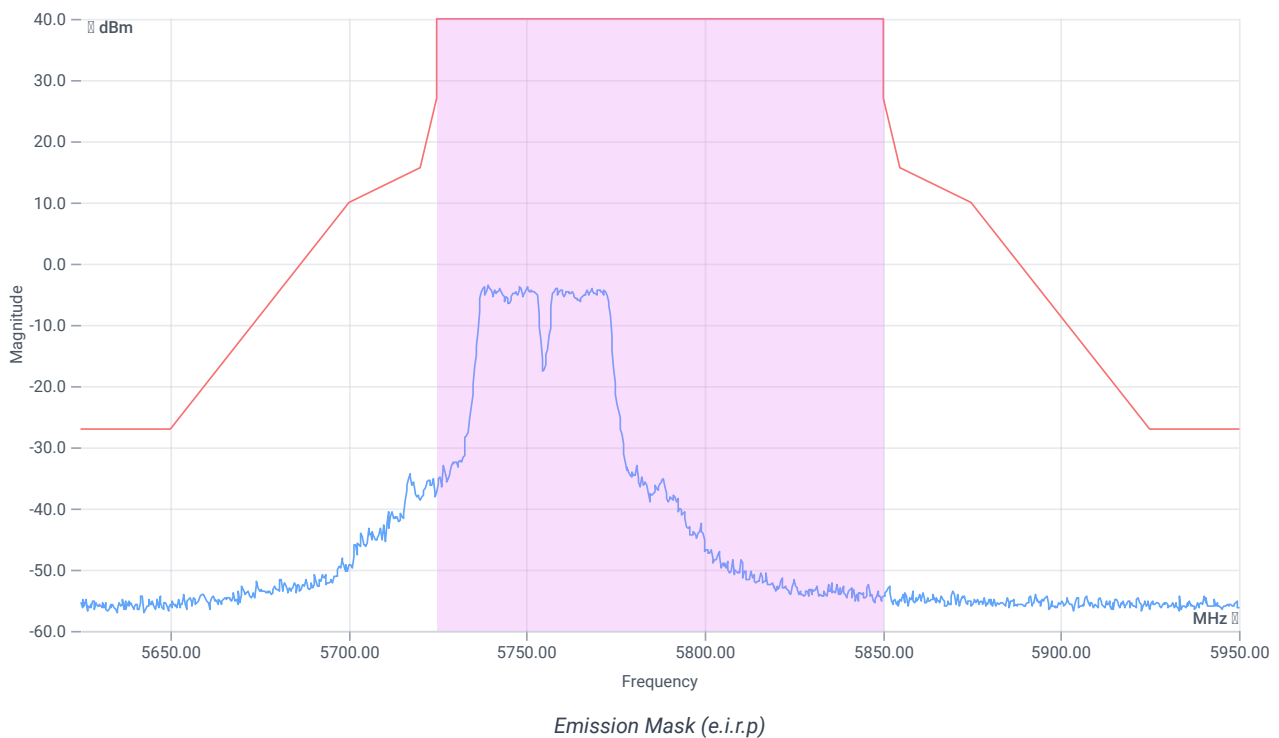
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.14	dBm	INFO
Ref. frequency	--	--	5759.400	MHz	INFO

## Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	-1.14   10.41   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

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

## References

TC start	26.01.2024 17:56:10
Ambit temp [°C]   humidity [rel%]	26.8   35
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5755 MHz

RESULT: Reference power cond.

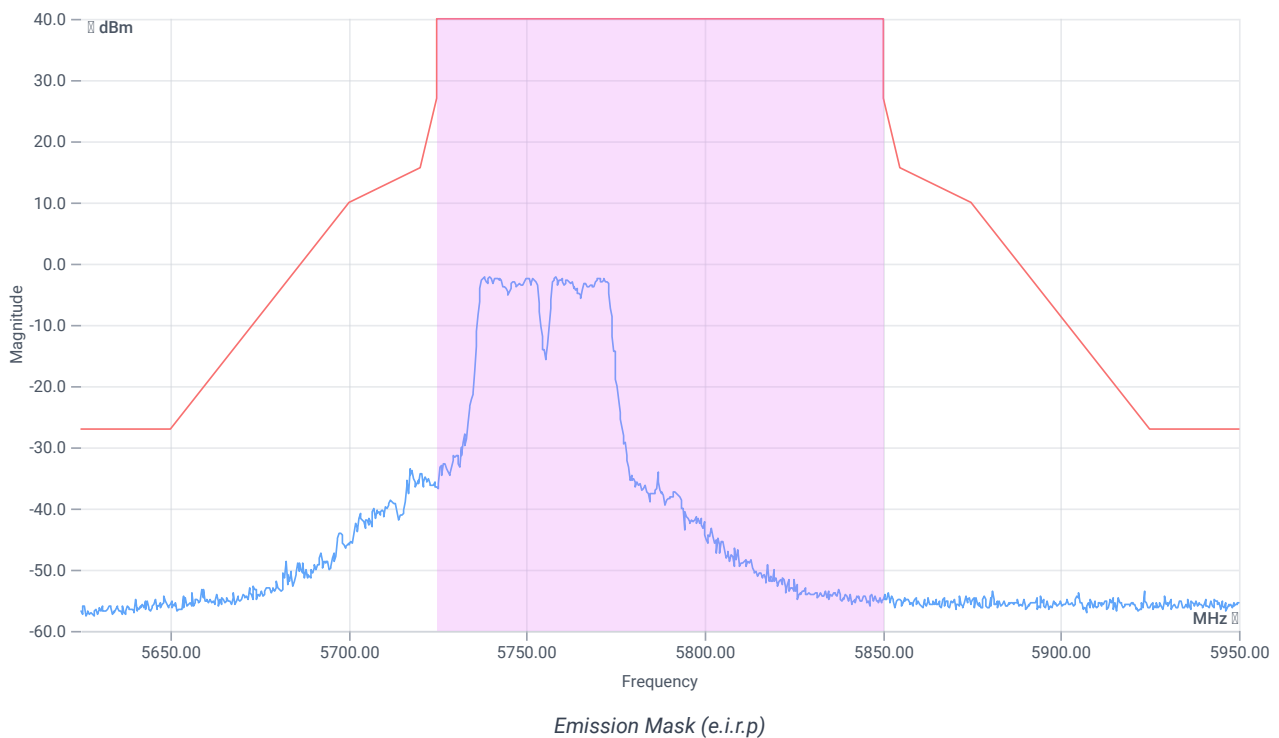
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.86	dBm	INFO
Ref. frequency	--	--	5750.000	MHz	INFO

## Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

## READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	0.14   10.39   5
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON



# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:24:46
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5825 MHz

RESULT: Reference power cond.

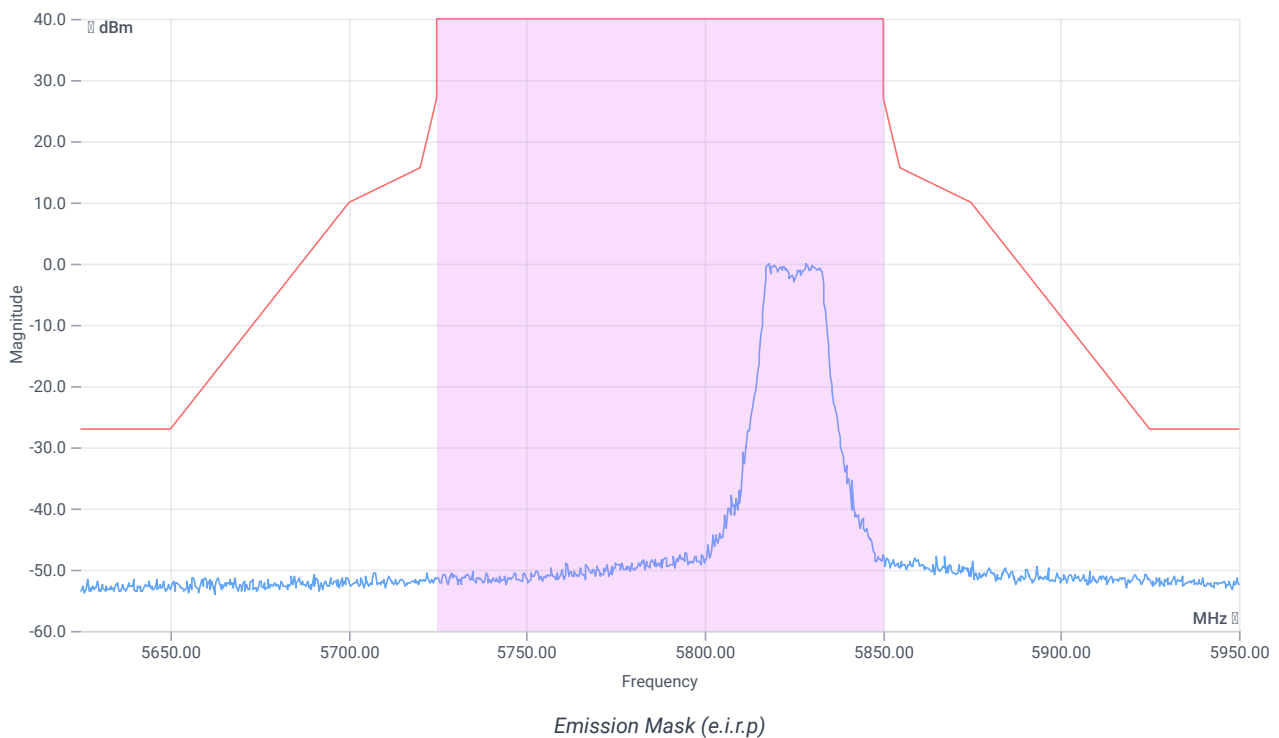
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.87	dBm	INFO
Ref. frequency	--	--	5821.800	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.13   10.44   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:17:28
Ambit temp [°C]   humidity [rel%]	26.9   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5825 MHz

RESULT: Reference power cond.

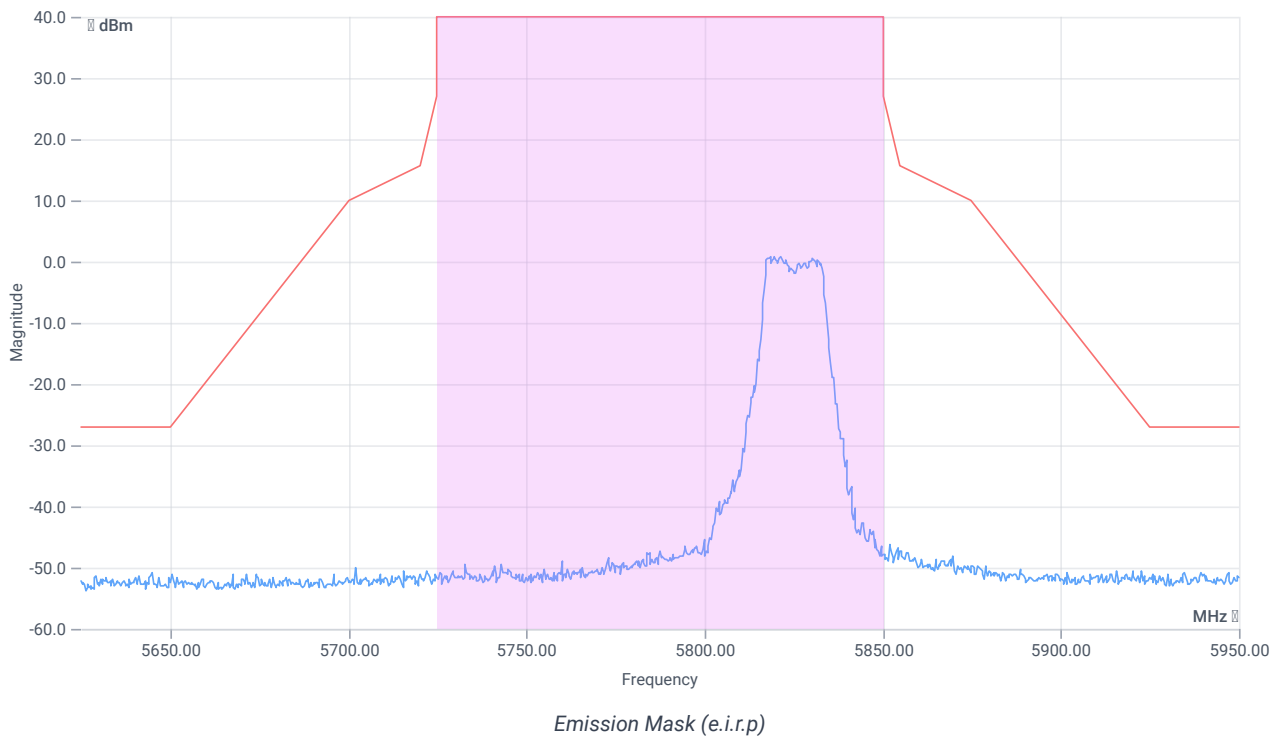
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.25	dBm	INFO
Ref. frequency	--	--	5830.000	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.75   10.45   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:08:21
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5785 MHz

RESULT: Reference power cond.

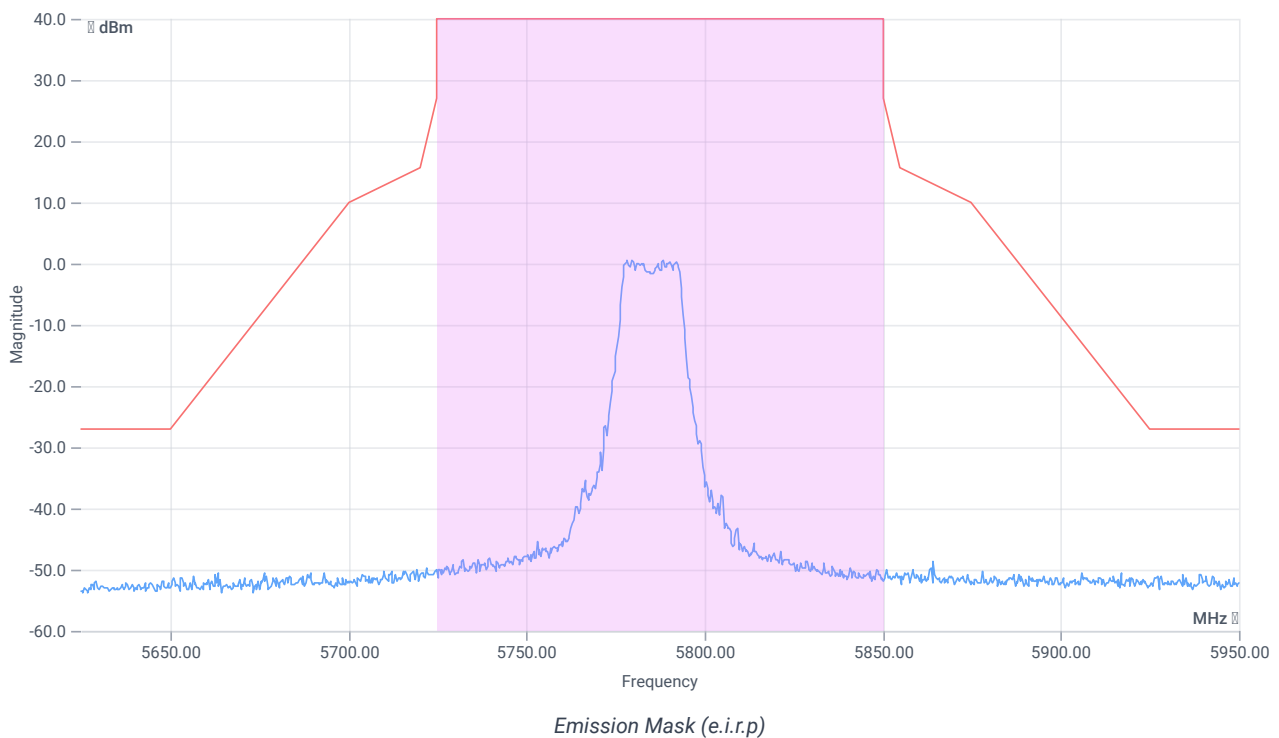
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.03	dBm	INFO
Ref. frequency	--	--	5790.190	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	3.03   10.41   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 17:00:58
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5785 MHz

RESULT: Reference power cond.

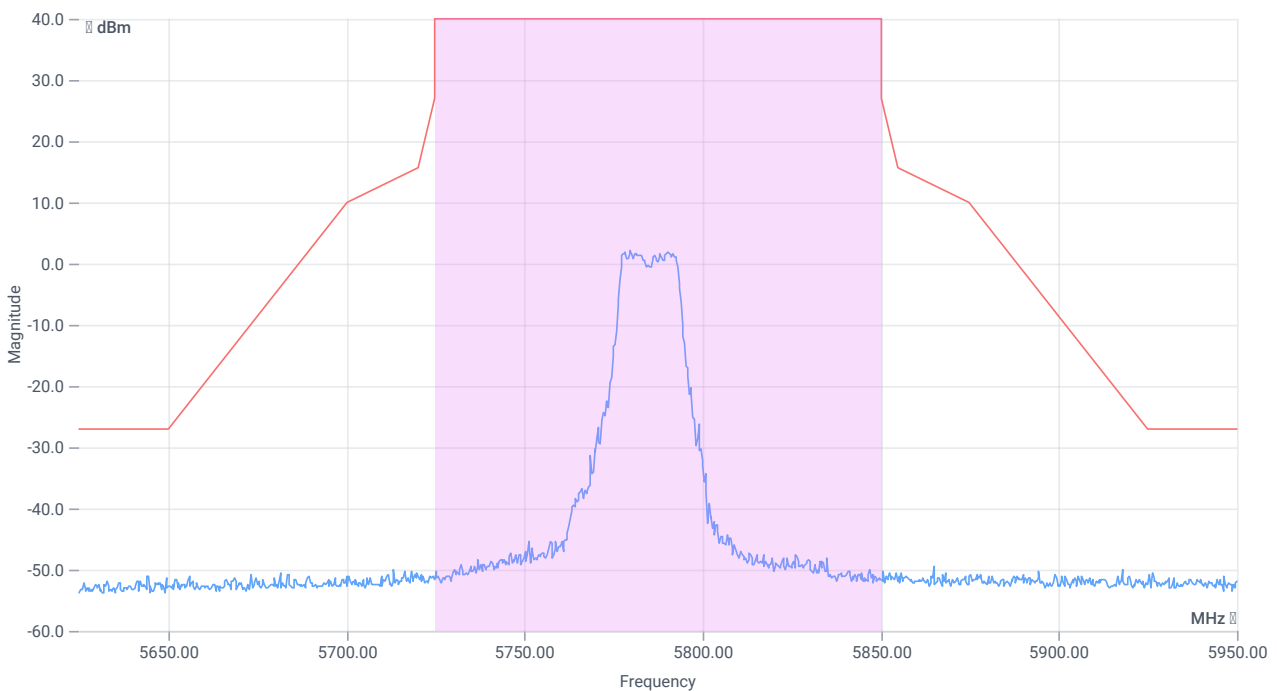
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.31	dBm	INFO
Ref. frequency	--	--	5786.400	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.31   10.38   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



Emission Mask (e.i.r.p)

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 16:52:10
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5745 MHz

RESULT: Reference power cond.

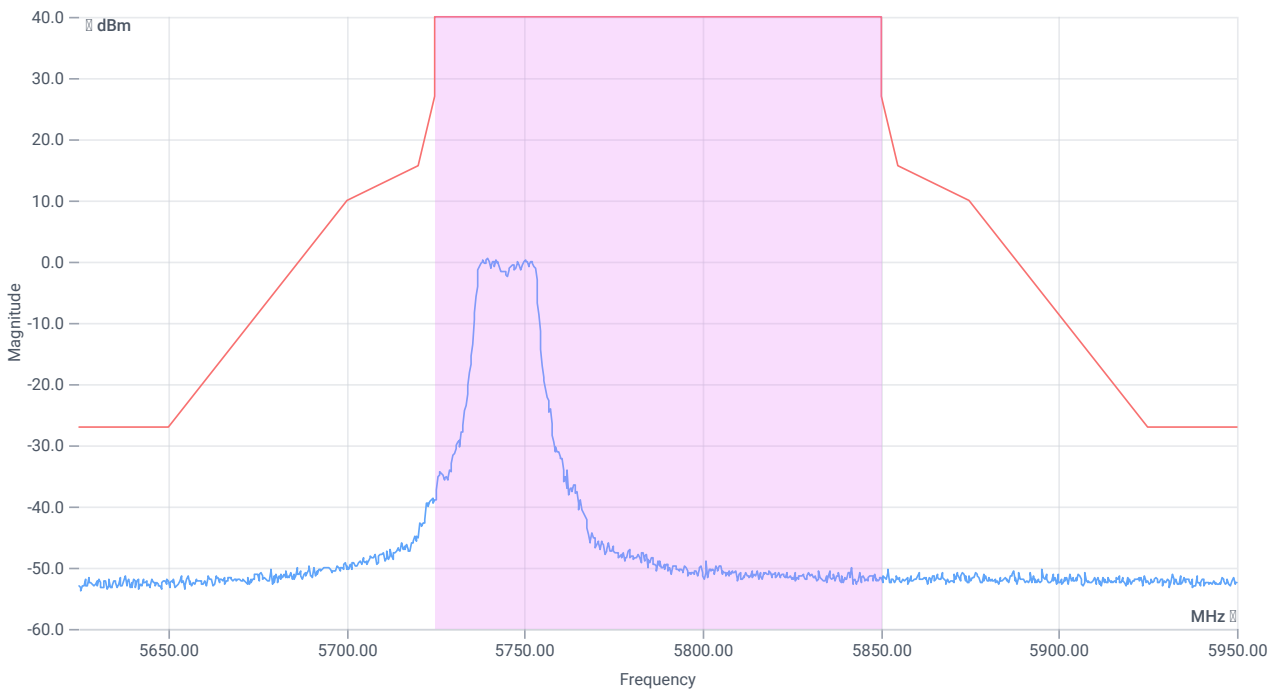
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-0.22	dBm	INFO
Ref. frequency	--	--	5746.800	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	2.78   10.38   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



Emission Mask (e.i.r.p)

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx n-HT20 mode U-NII-3

## References

TC start	26.01.2024 16:44:51
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx n-HT20 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001



## Test at TX 5745 MHz

RESULT: Reference power cond.

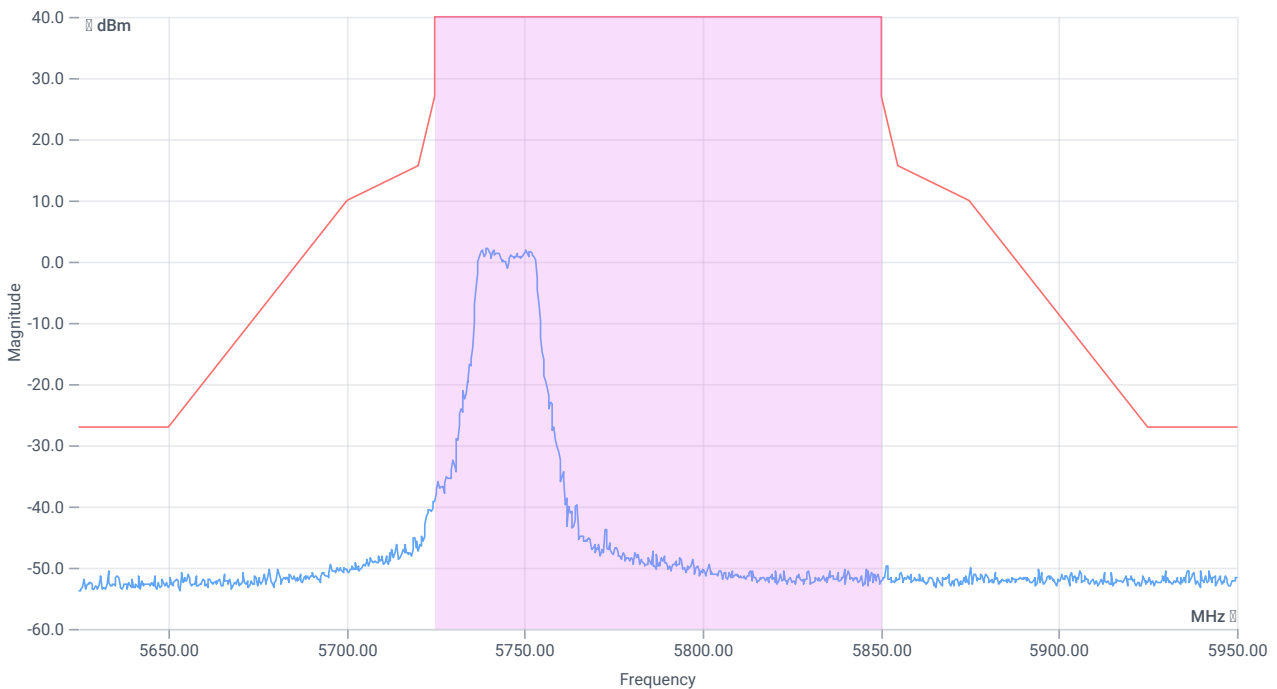
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.64	dBm	INFO
Ref. frequency	--	--	5741.800	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.64   10.36   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



Emission Mask (e.i.r.p)

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:51:00
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5825 MHz

RESULT: Reference power cond.

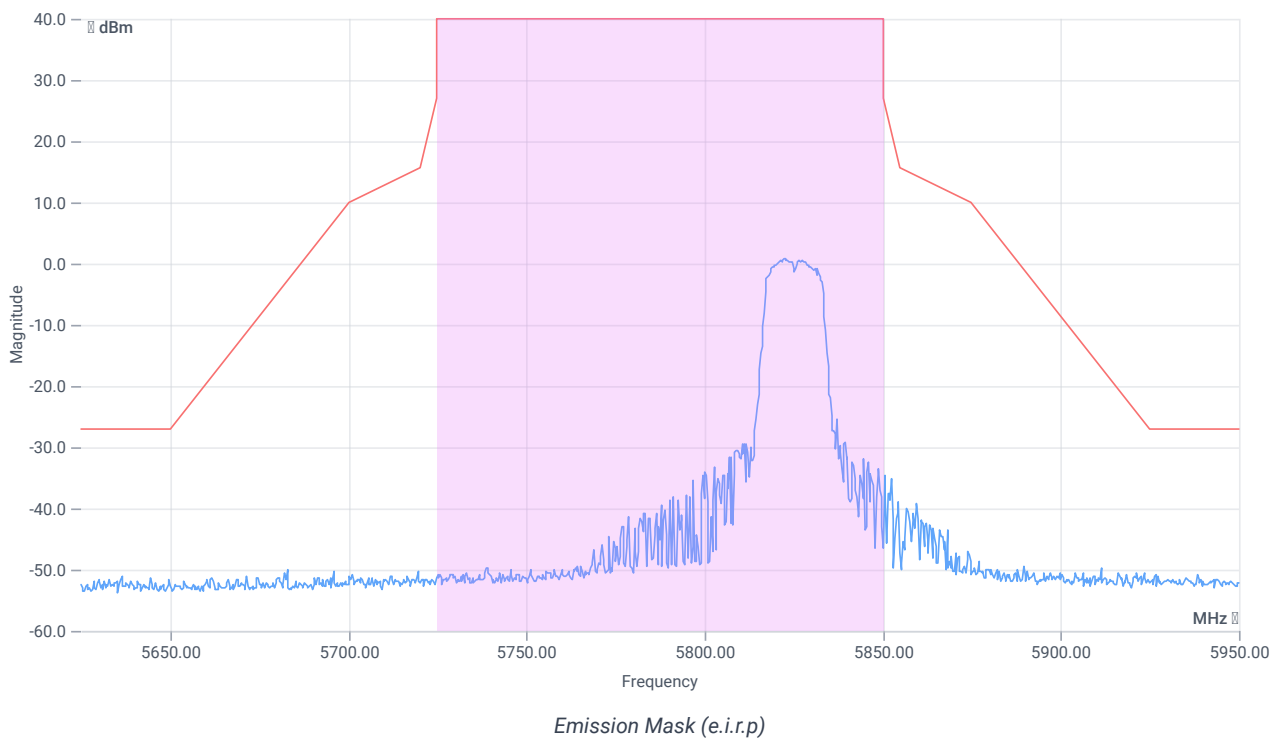
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	0.24	dBm	INFO
Ref. frequency	--	--	5826.400	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	3.24   10.44   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:43:43
Ambit temp [°C]   humidity [rel%]	26.7   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	True   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5825 MHz

RESULT: Reference power cond.

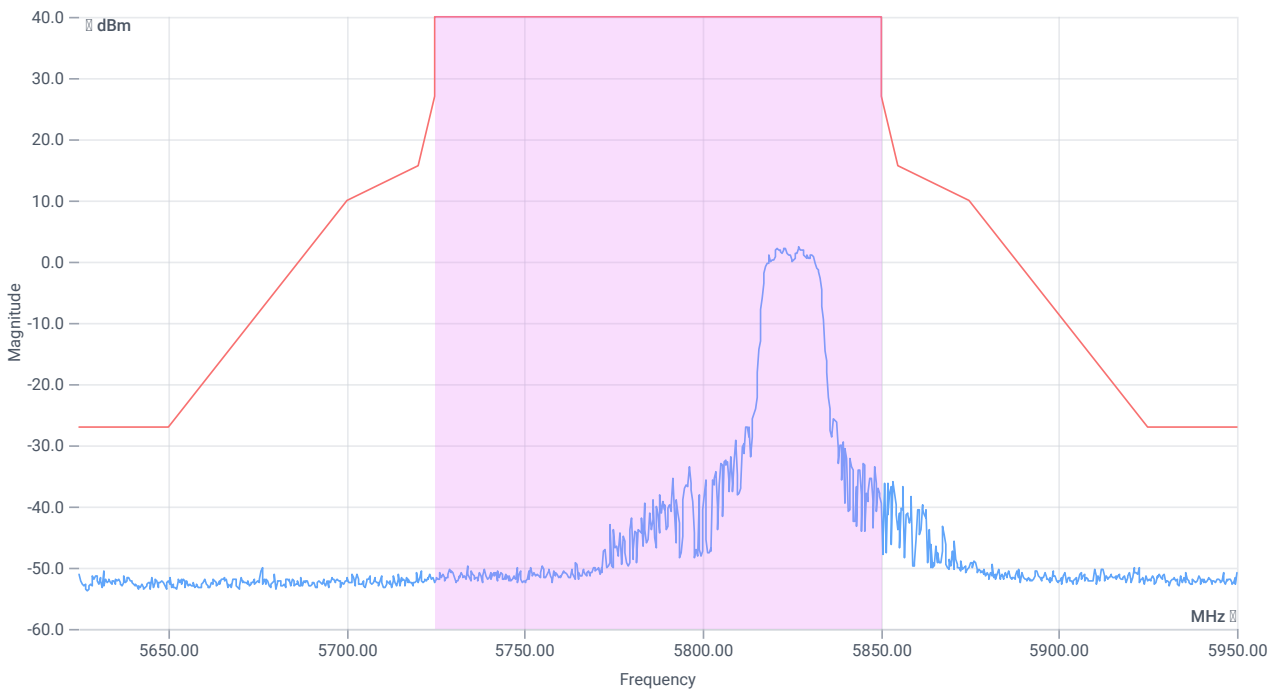
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.26	dBm	INFO
Ref. frequency	--	--	5822.200	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.26   10.45   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



Emission Mask (e.i.r.p)

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
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Verdict

INCON



# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:35:17
Ambit temp [°C]   humidity [rel%]	26.7   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5785 MHz

RESULT: Reference power cond.

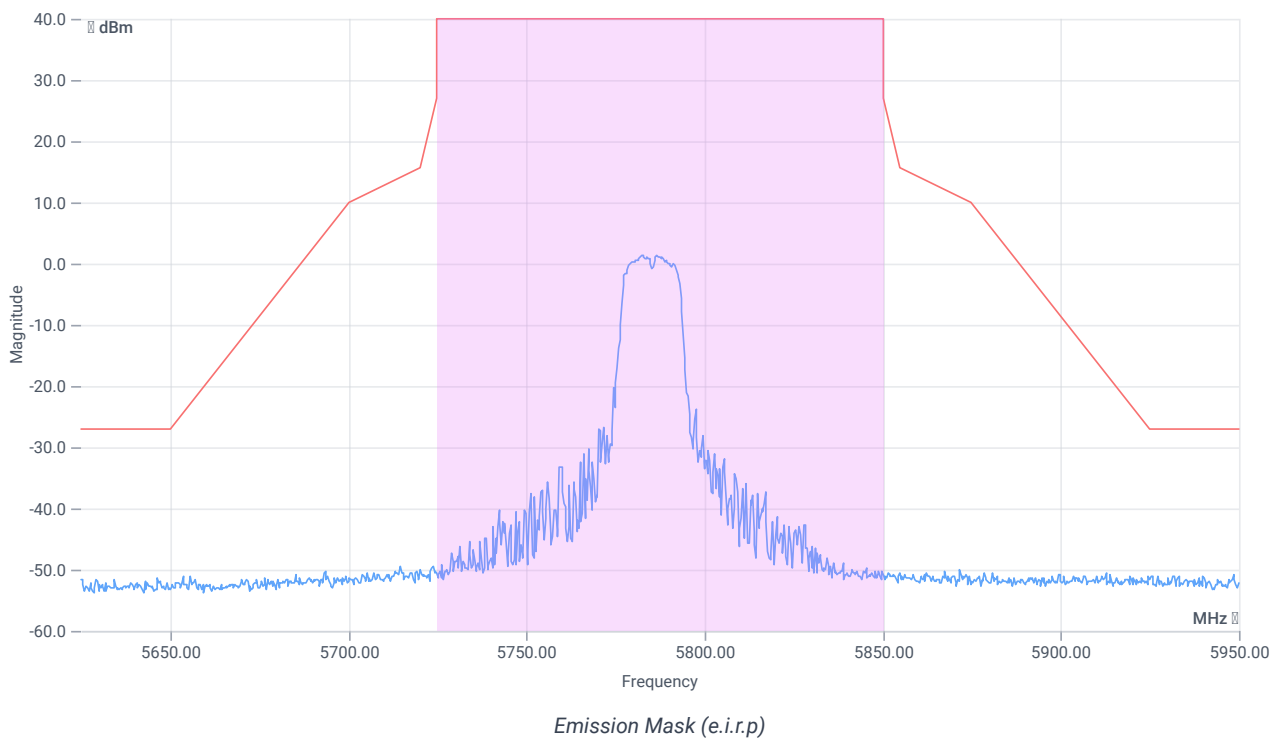
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.17	dBm	INFO
Ref. frequency	--	--	5788.000	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.17   10.41   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:27:55
Ambit temp [°C]   humidity [rel%]	26.7   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5745
Frequency mid to test	True   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5785 MHz

RESULT: Reference power cond.

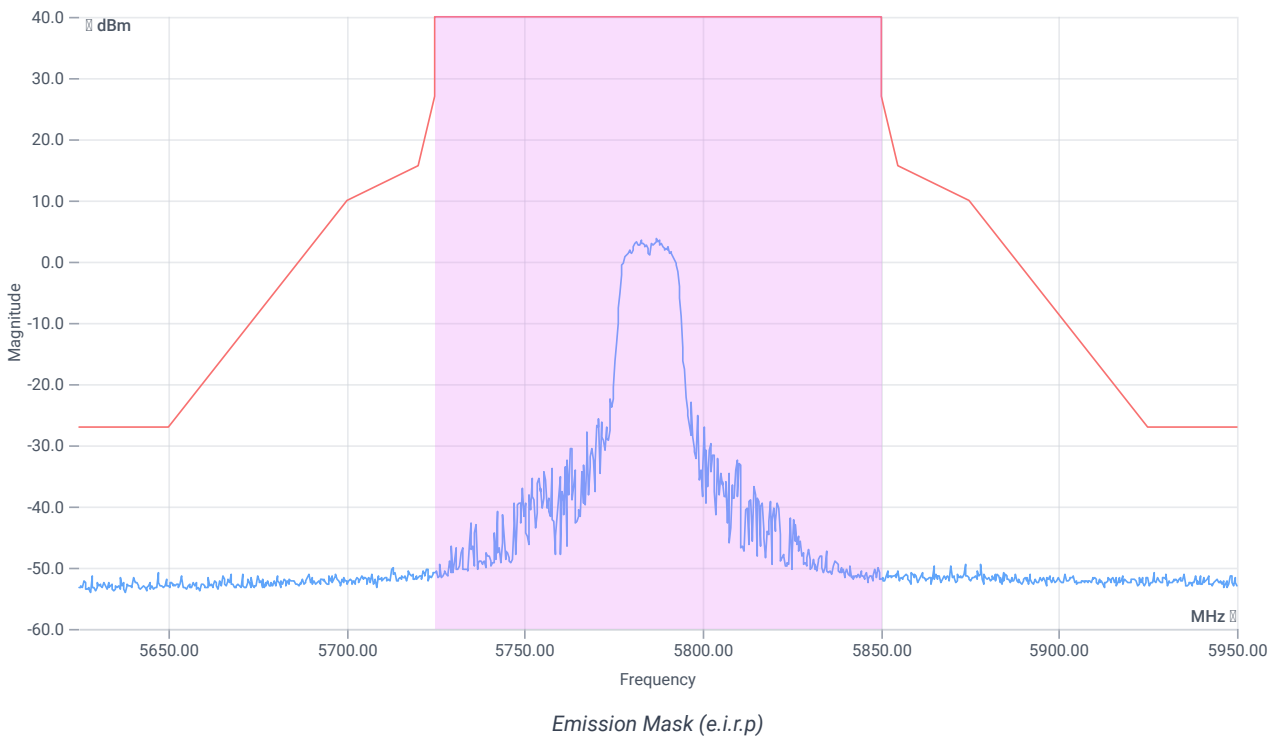
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.16	dBm	INFO
Ref. frequency	--	--	5780.800	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.16   10.38   10
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:19:25
Ambit temp [°C]   humidity [rel%]	26.6   36
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5745 MHz

RESULT: Reference power cond.

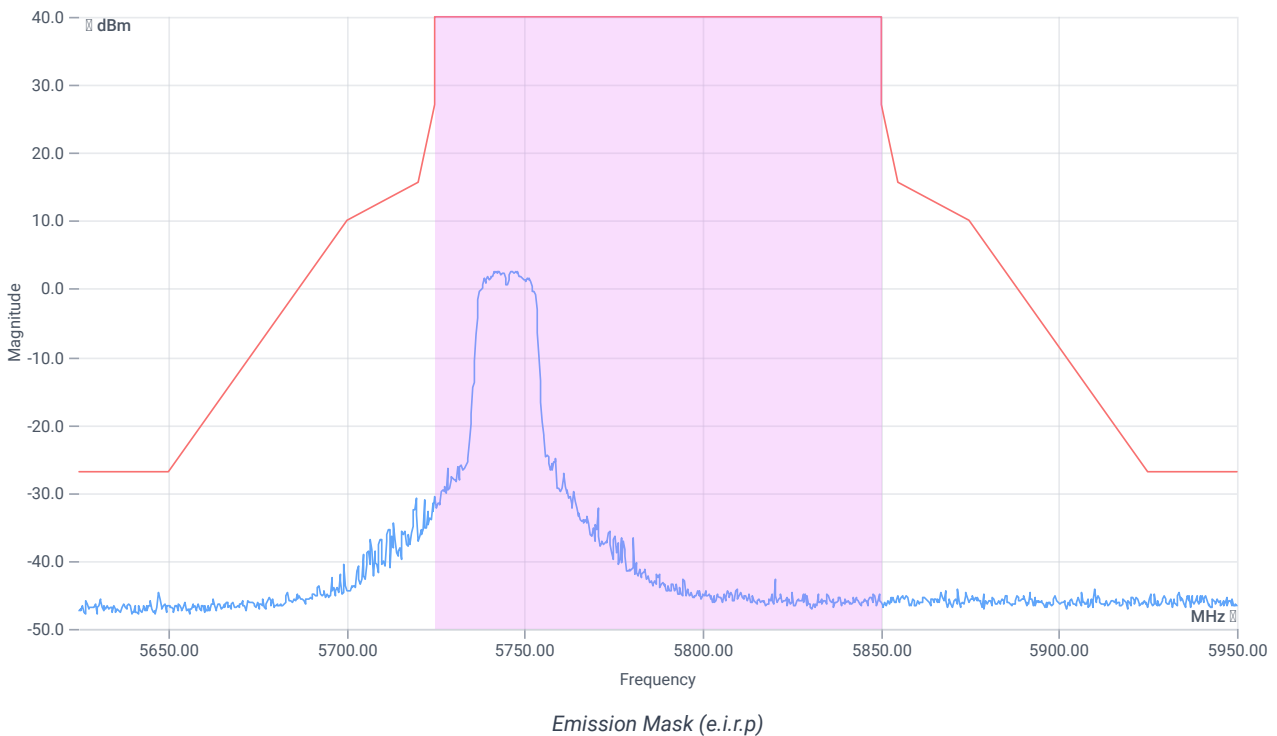
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.48	dBm	INFO
Ref. frequency	--	--	5747.600	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.48   10.38   15
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------



Verdict

INCON

# FCC 15.407, ISED RSS247 # Emission mask (cond) ~ WLAN5Gx a mode U-NII-3

## References

TC start	26.01.2024 15:12:08
Ambit temp [°C]   humidity [rel%]	26.6   37
System version	5.0.1.0
Standard   Version	FCC 15.407, ISED RSS247   NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNII_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5745
Frequency mid to test	False   Freq [MHz] 5785
Frequency high to test	False   Freq [MHz] 5825
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5745 MHz

RESULT: Reference power cond.

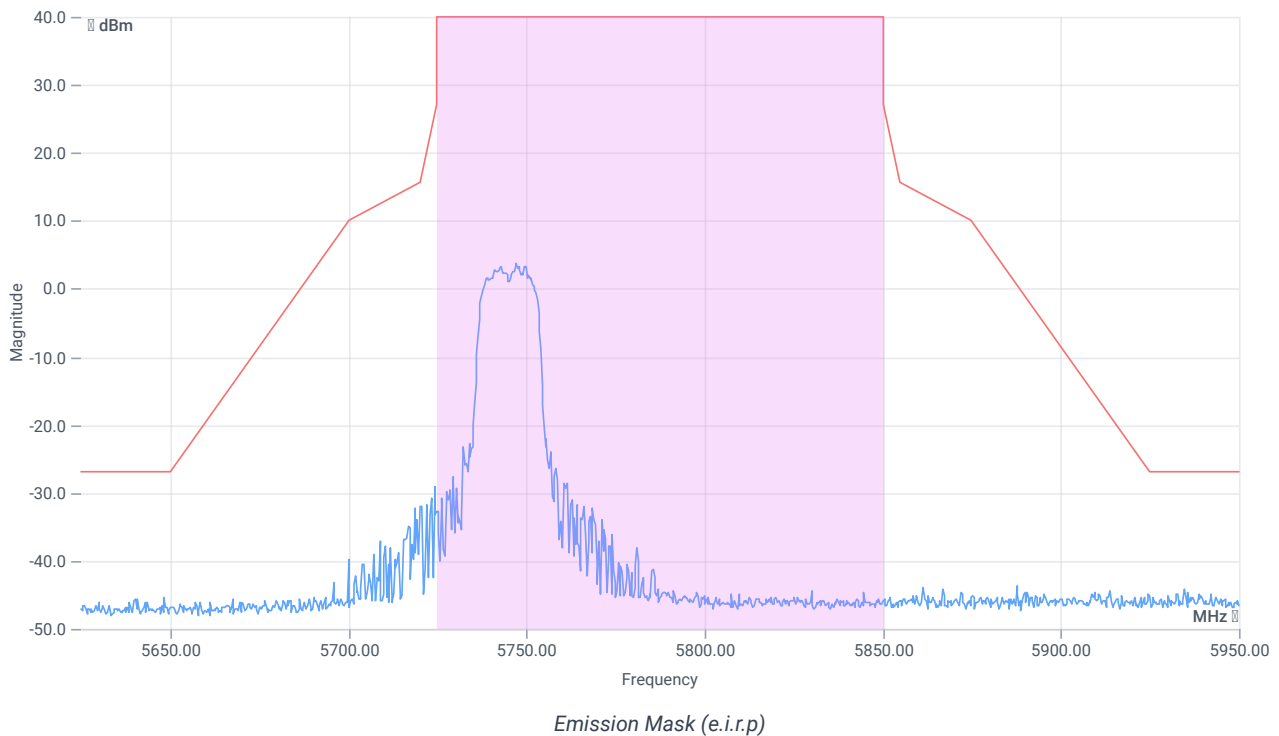
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.66	dBm	INFO
Ref. frequency	--	--	5746.400	MHz	INFO

### Antenna gain

Considered antenna gain [dBi]:	0
--------------------------------	---

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	5.66   10.36   15
Start [MHz]   Stop [MHz]	5625.000   5950.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	POS   MAXH
Sweep: time [ms]   count   points per Section   type	1   2500   1001   SWE



### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
-------------	-------------	-------------	----------	------	---------

Verdict

INCON

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

### References

TC start	26.01.2024 18:51:53
Ambit temp [°C]   humidity [rel%]	26.7   35
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5775 MHz

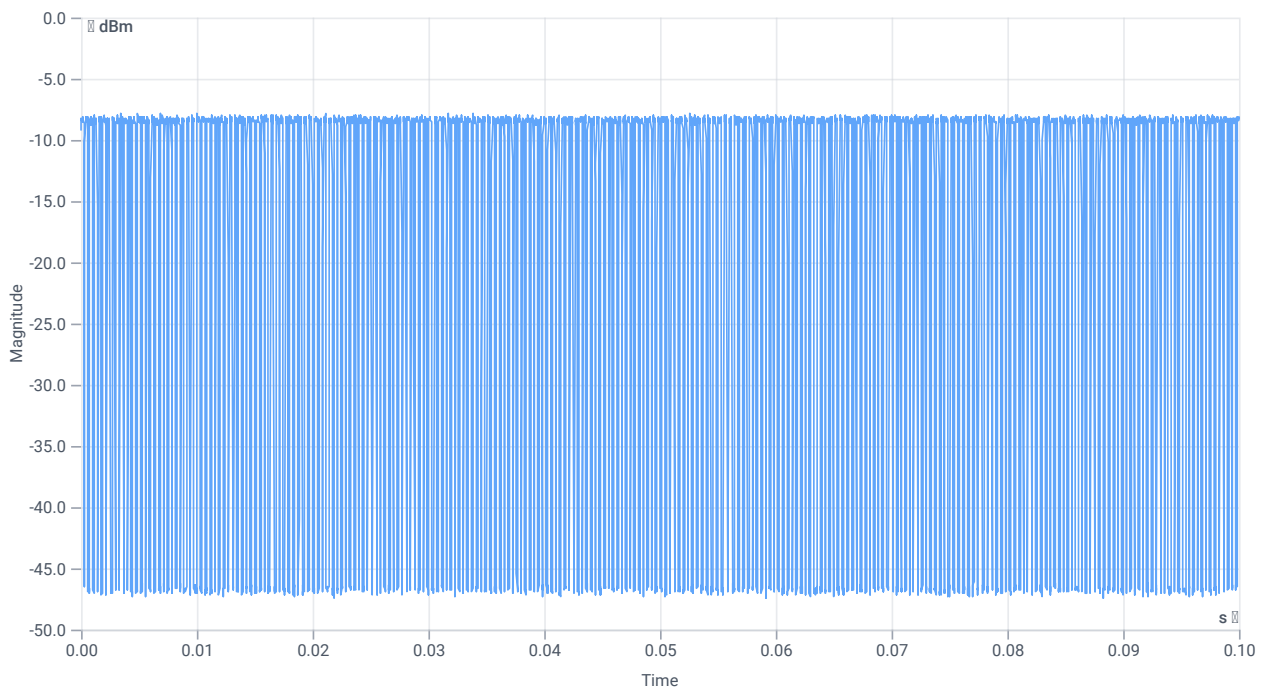
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-7.53	dBm	INFO
Ref. frequency	--	--	5770.400	MHz	INFO

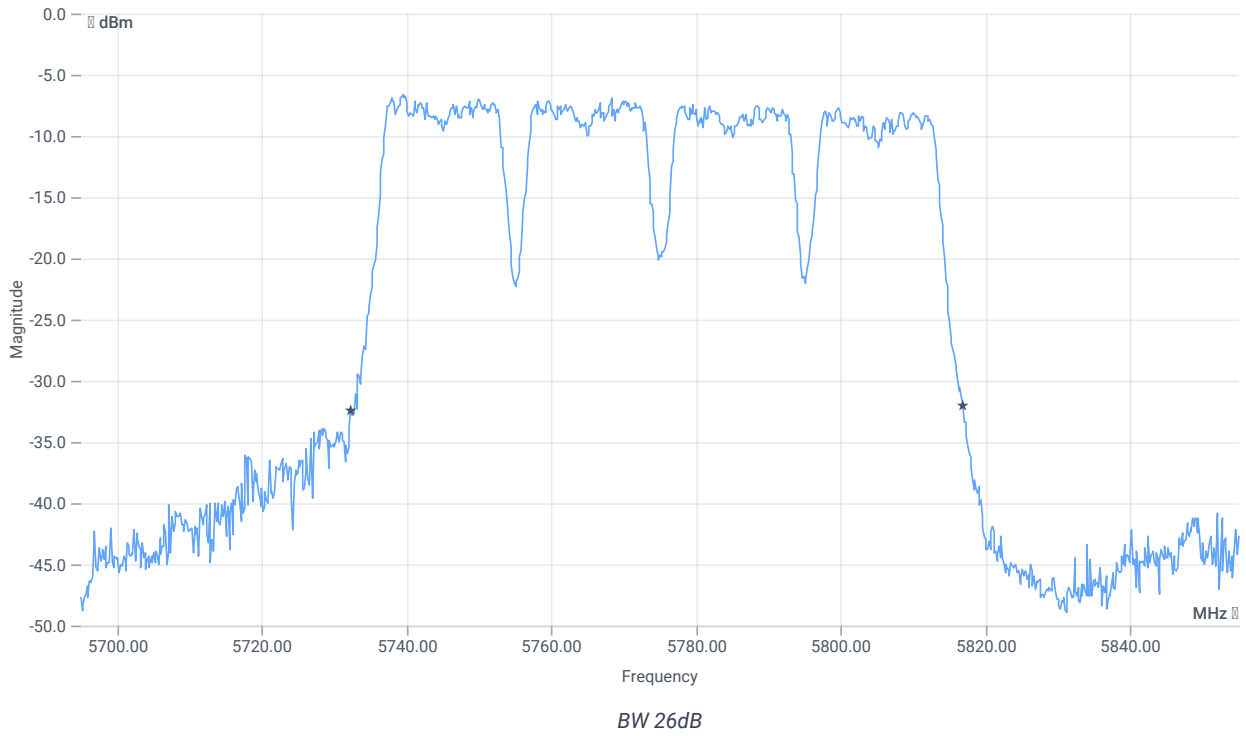
## Evaluation max. duty cycle

### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 256					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.391	--	INFO
Duty cycle min	--	--	4.078	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.35	ms	INFO



## Evaluation bandwidth



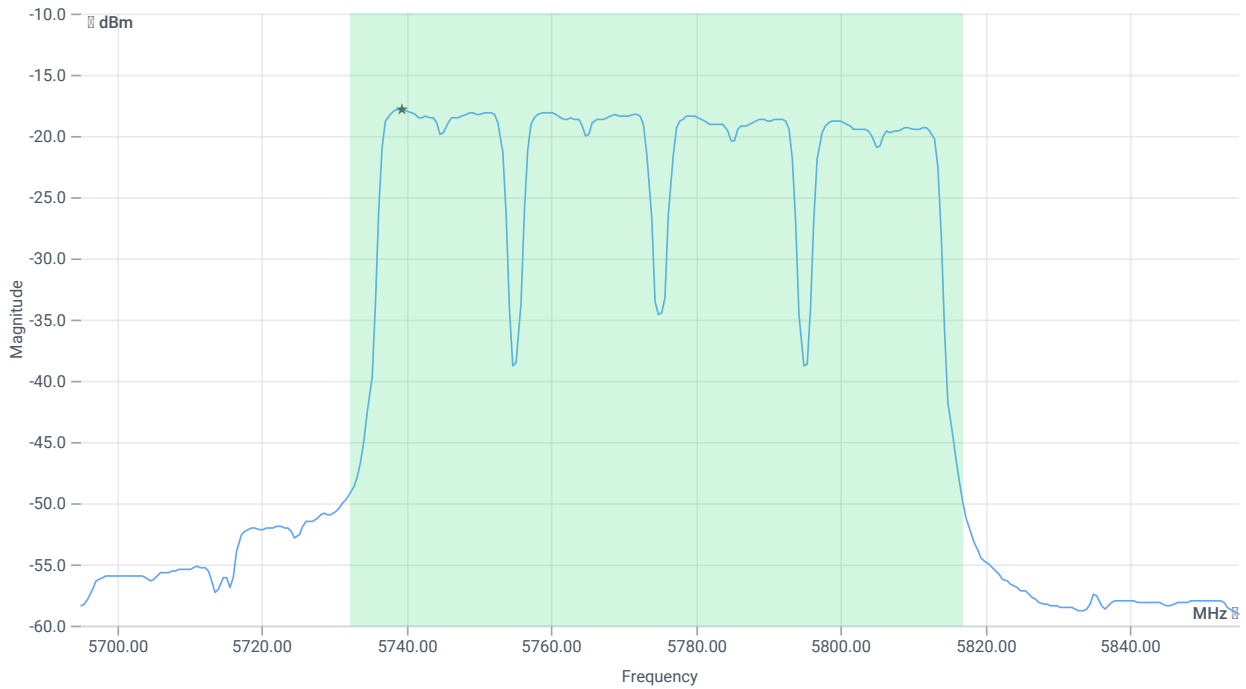
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.64	MHz	INFO
T1 26dB	---	---	5732.2800	MHz	INFO
T2 26dB	---	---	5816.9200	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.47   10.41   10
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE



Max OP and PSD

## RESULT

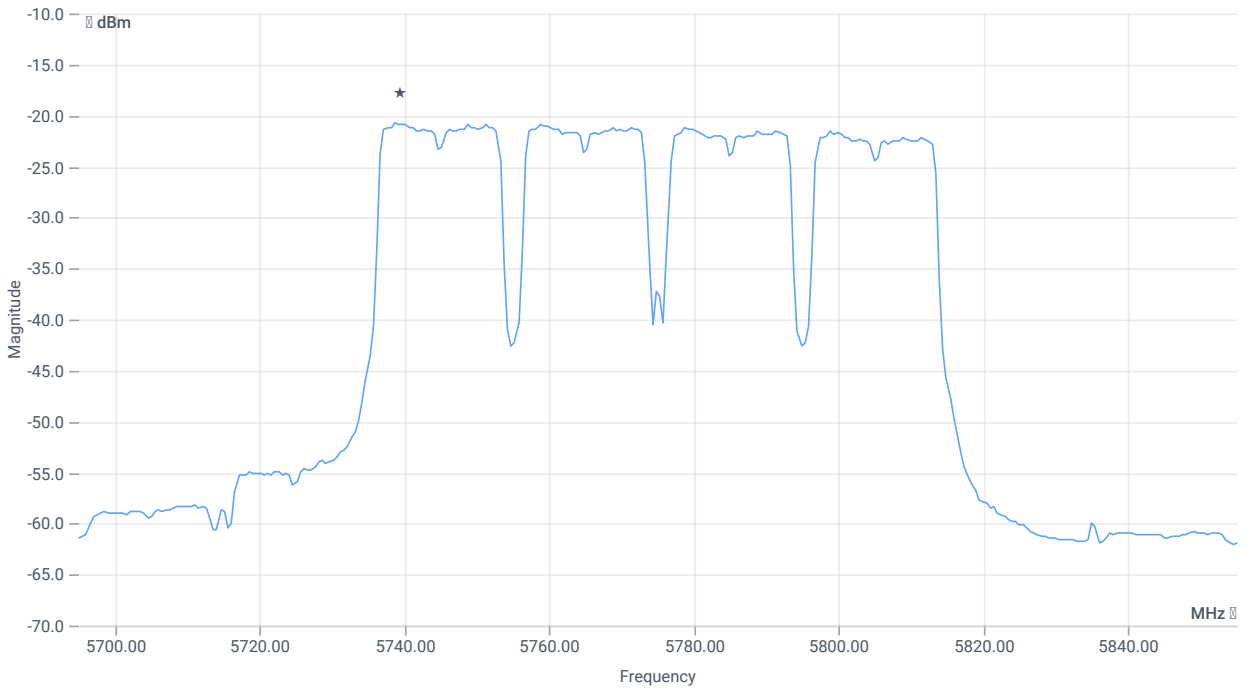
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	-0.84	dBm	INFO
Duty cycle correction	--	--	4.08	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	3.24	dBm	PASS
Limit: 11 dBm + 10 log 84.64					
Max output power DC corrected	--	30.28	3.24	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	4.47   10.41   10
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE





PSD UNII-3

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-20.68	dBm/0.5MHz	INFO
Duty cycle correction	--	--	4.08	dB	INFO
Power spectral density DC corrected	--	30	-16.6	dBm/0.5MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 18:40:51
Ambit temp [°C]   humidity [rel%]	26.8   35
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5775
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5775 MHz

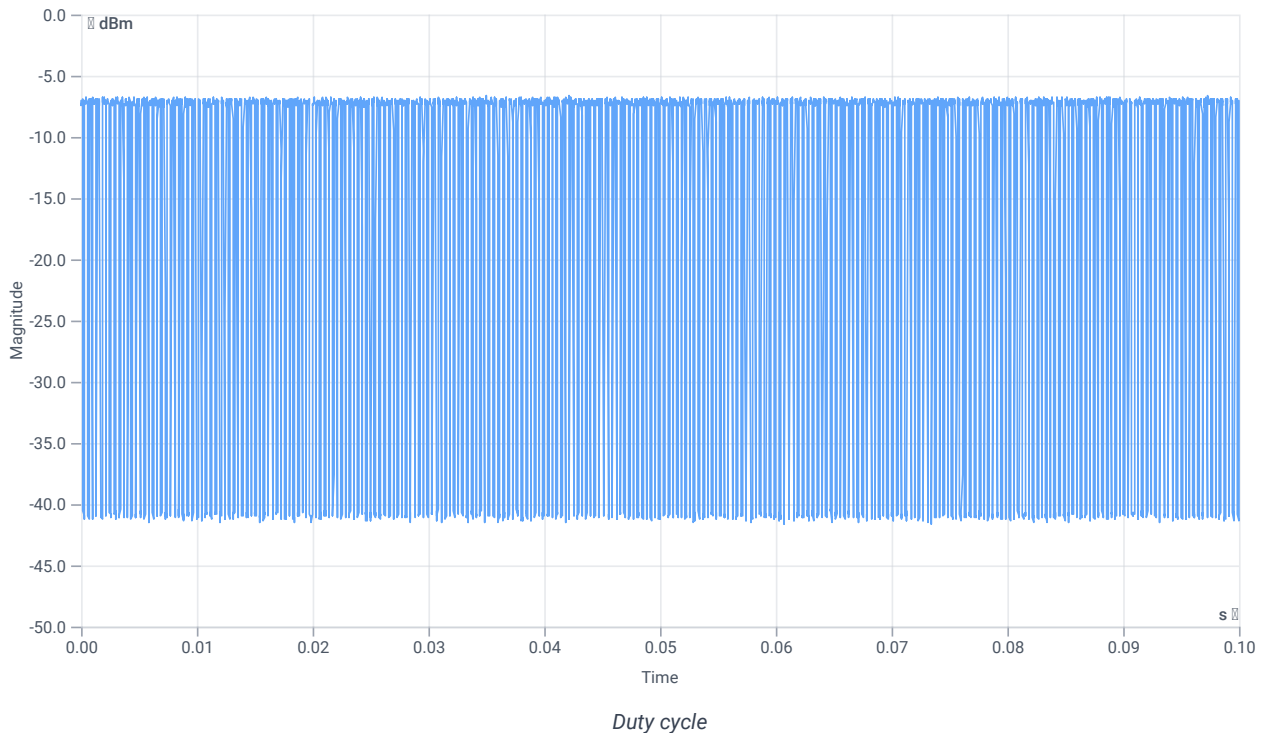
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.99	dBm	INFO
Ref. frequency	--	--	5757.620	MHz	INFO

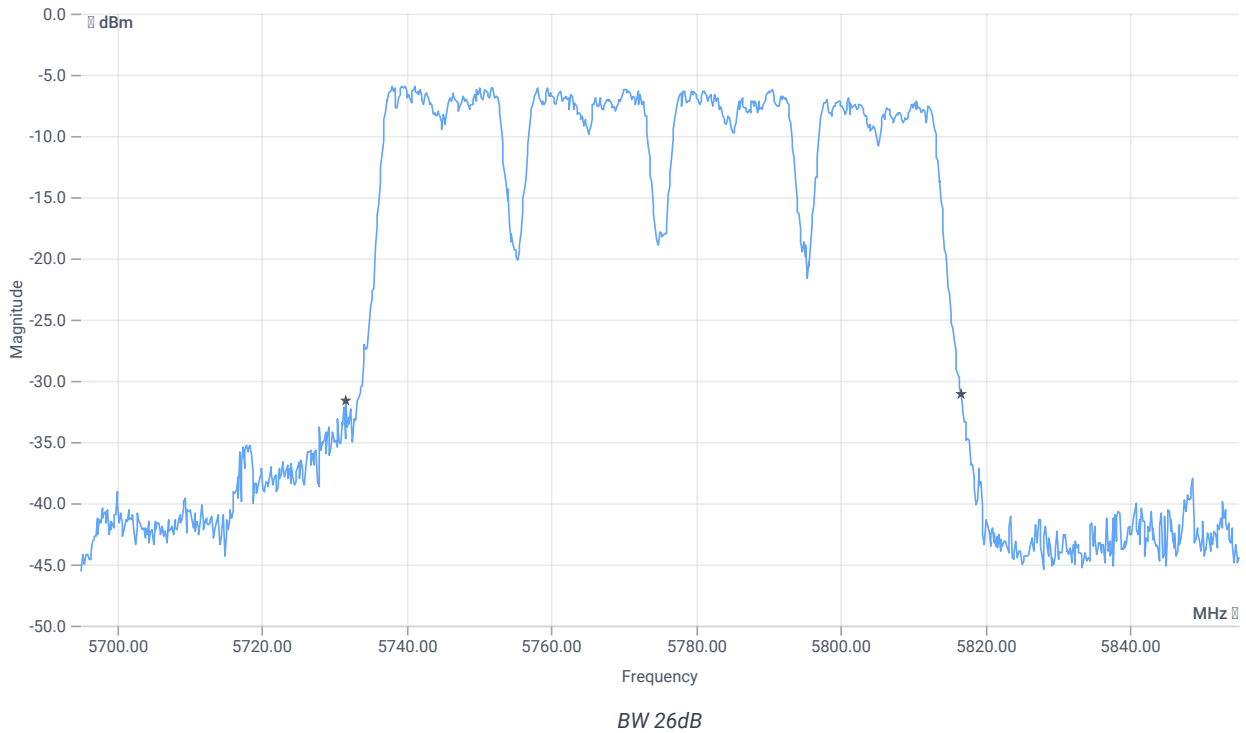
## Evaluation max. duty cycle

### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 263					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.444	--	INFO
Duty cycle min	--	--	3.526	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.275	ms	INFO



## Evaluation bandwidth



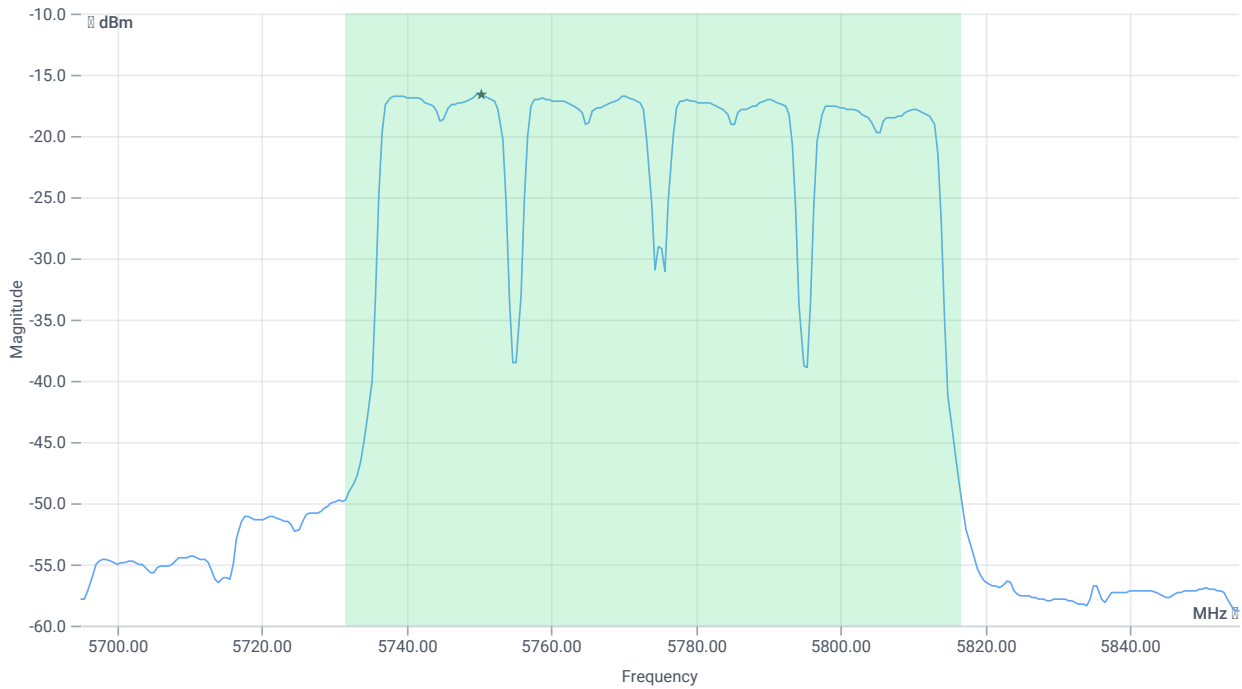
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84.96	MHz	INFO
T1 26dB	---	---	5731.6400	MHz	INFO
T2 26dB	---	---	5816.6000	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.01   10.38   10
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE



Max OP and PSD

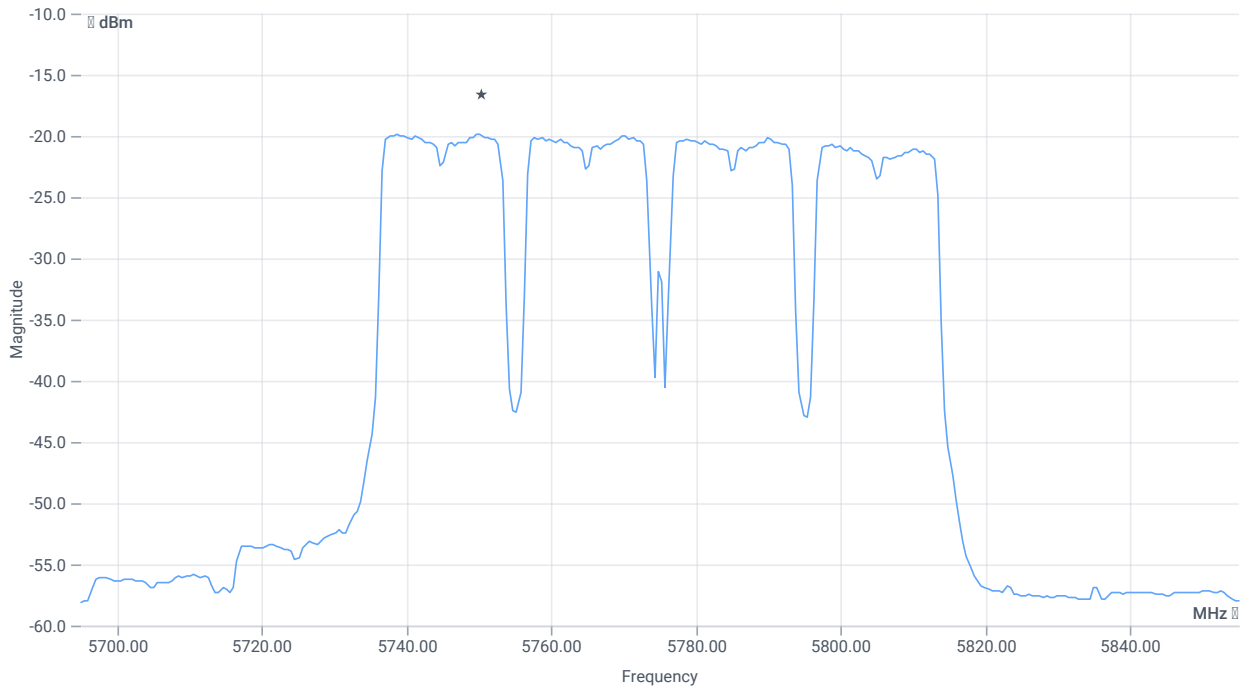
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	0.42	dBm	INFO
Duty cycle correction	--	--	3.53	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	3.95	dBm	PASS
Limit: 11 dBm + 10 log 84.96					
Max output power DC corrected	--	30.29	3.95	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.01   10.38   15
Start [MHz]   Stop [MHz]	5695.000   5855.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE



PSD UNII-3

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-19.81	dBm/0.5MHz	INFO
Duty cycle correction	--	--	3.53	dB	INFO
Power spectral density DC corrected	--	30	-16.28	dBm/0.5MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 18:33:11
Ambit temp [°C]   humidity [rel%]	26.8   32
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5210 MHz

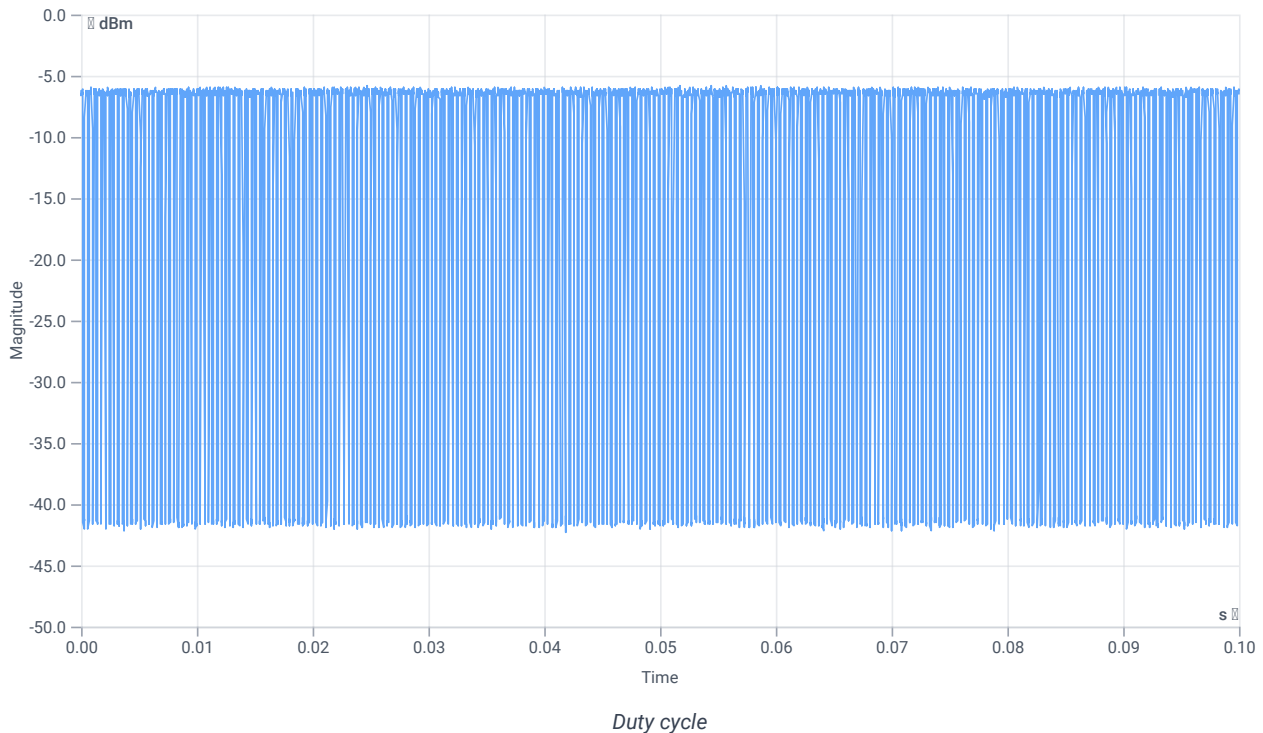
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.75	dBm	INFO
Ref. frequency	--	--	5214.600	MHz	INFO

## Evaluation max. duty cycle

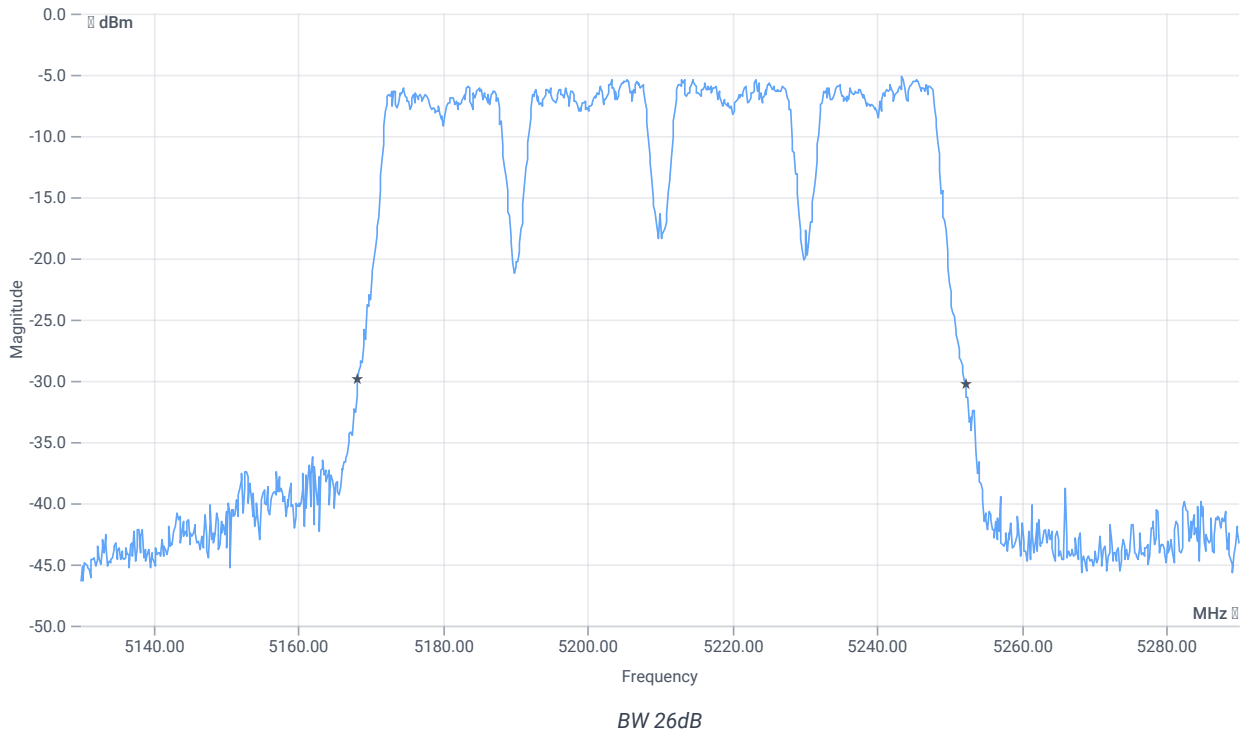
### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 266					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.471	--	INFO
Duty cycle min	--	--	3.27	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.225	ms	INFO



## Evaluation bandwidth





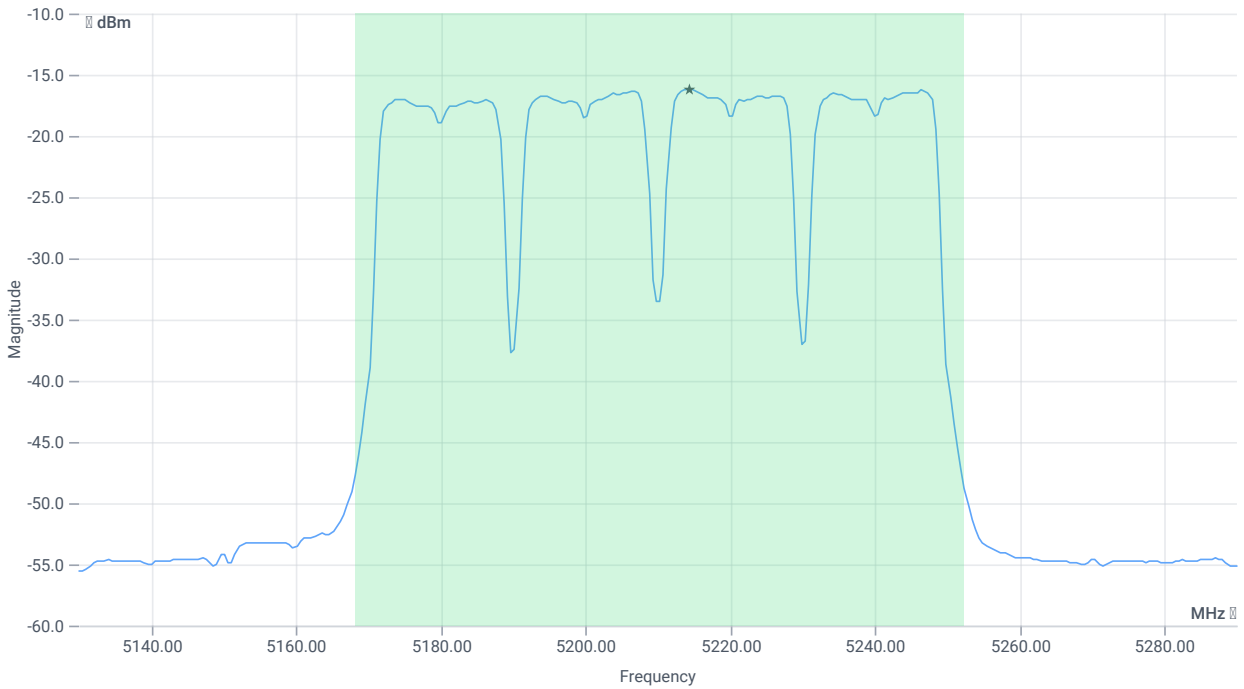
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	84	MHz	INFO
T1 26dB	---	---	5168.2400	MHz	INFO
T2 26dB	---	---	5252.2400	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.25   10.05   15
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE



Max OP and PSD

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	0.92	dBm	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Limit absolute					
Max output power DC corrected	--	24	4.19	dBm	PASS
Limit: 11 dBm + 10 log 84					
Max output power DC corrected	--	30.24	4.19	dBm	na

## Power spectral density

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-16.19	dBm/1MHz	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Power spectral density DC corrected	--	11	-12.92	dBm/1MHz	PASS

### Verdict

PASS

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

### References

TC start	26.01.2024 18:26:54
Ambit temp [°C]   humidity [rel%]	26.8   30
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx ac-VHT80 mode U-NII-1
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx ac-VHT80 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 0
Frequency mid to test	True   Freq [MHz] 5210
Frequency high to test	False   Freq [MHz] 0
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5210 MHz

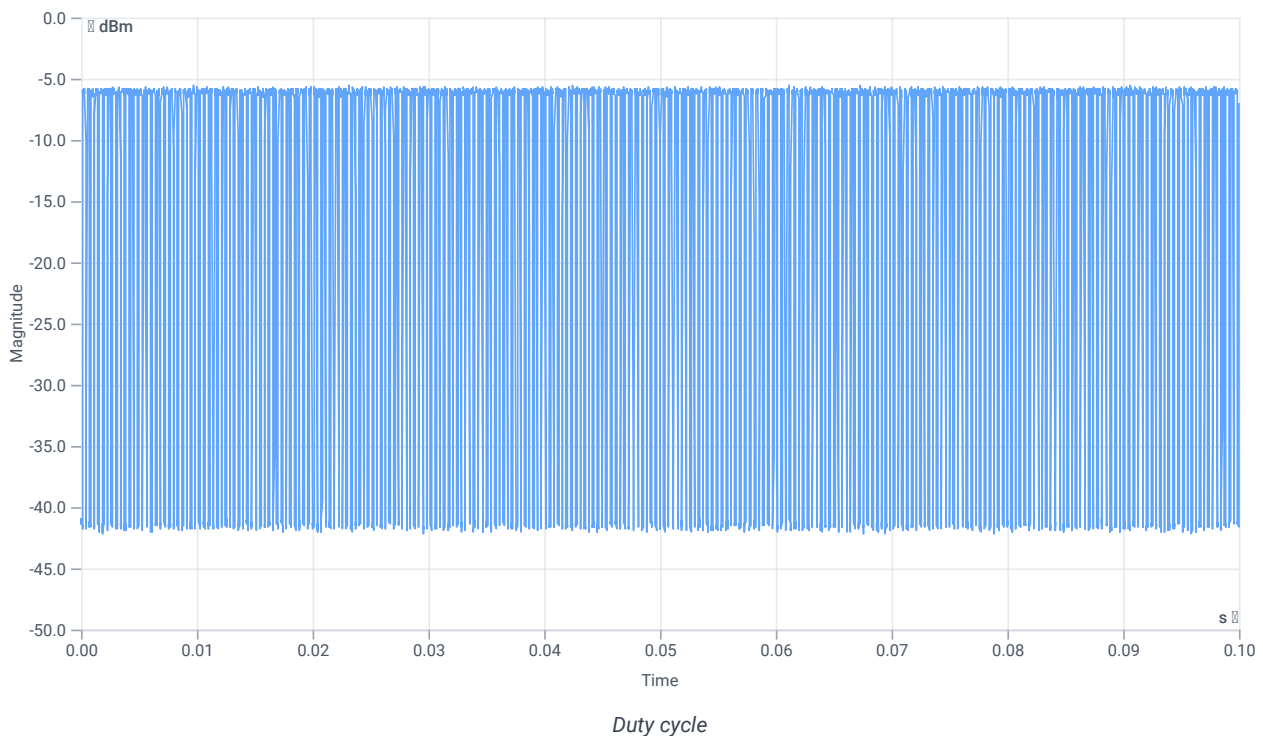
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-5.75	dBm	INFO
Ref. frequency	--	--	5244.970	MHz	INFO

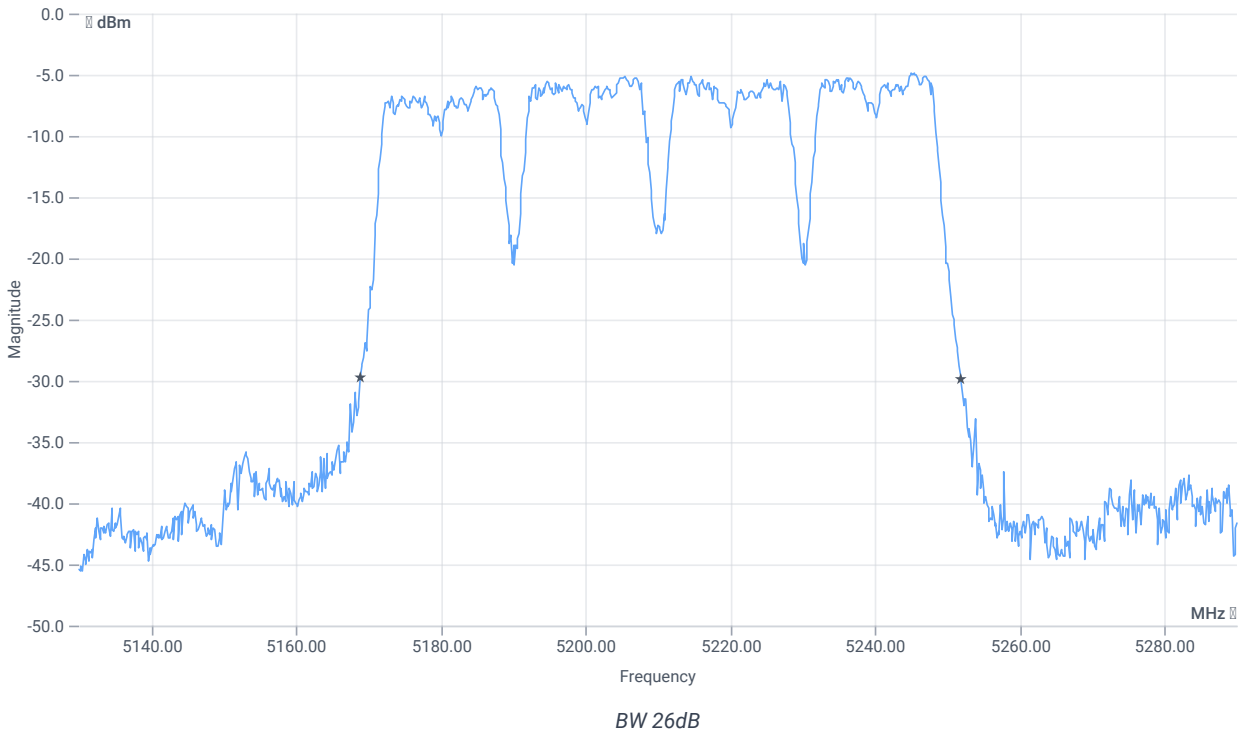
## Evaluation max. duty cycle

### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 265					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.471	--	INFO
Duty cycle min	--	--	3.27	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.225	ms	INFO



## Evaluation bandwidth



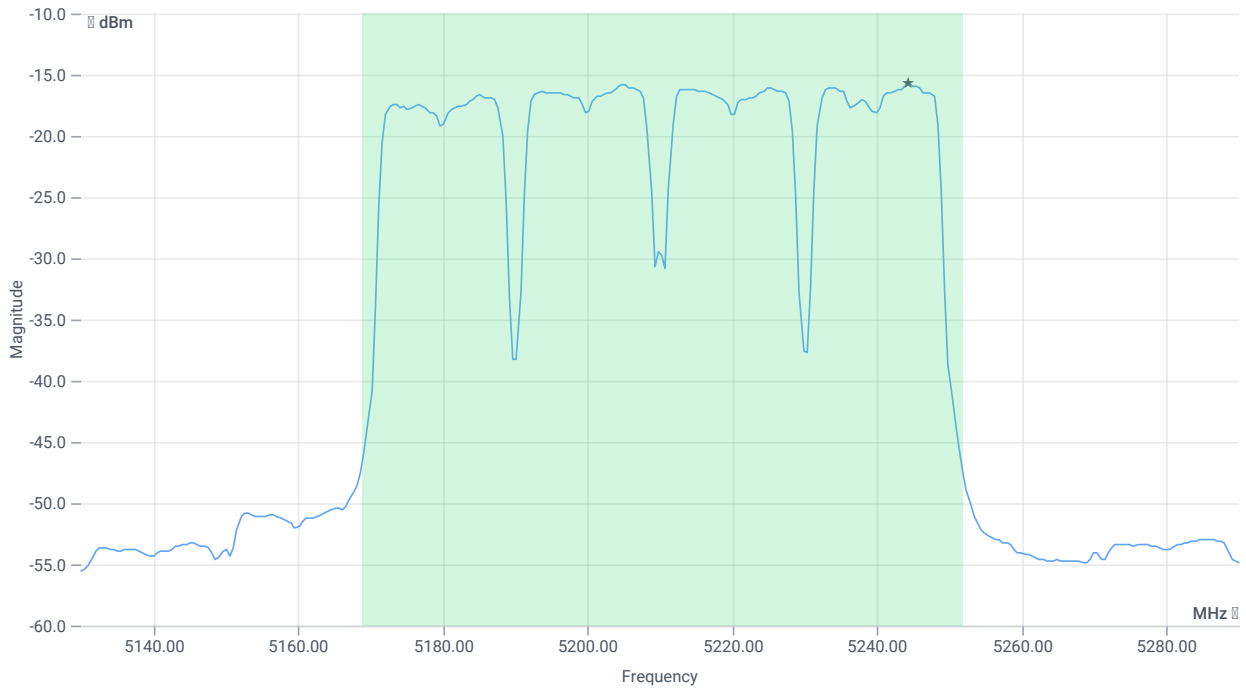
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	83.04	MHz	INFO
T1 26dB	---	---	5168.8800	MHz	INFO
T2 26dB	---	---	5251.9200	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	6.25   10.02   15
Start [MHz]   Stop [MHz]	5130.000   5290.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	107000   1   320   SWE



Max OP and PSD

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	1.14	dBm	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Limit absolute					
Max output power DC corrected	--	24	4.41	dBm	PASS
Limit: 11 dBm + 10 log 83.04					
Max output power DC corrected	--	30.19	4.41	dBm	na

## Power spectral density

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-15.7	dBm/1MHz	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Power spectral density DC corrected	--	11	-12.43	dBm/1MHz	PASS

### Verdict

PASS

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

## References

TC start	26.01.2024 18:15:47
Ambit temp [°C]   humidity [rel%]	26.7   33
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5795 MHz

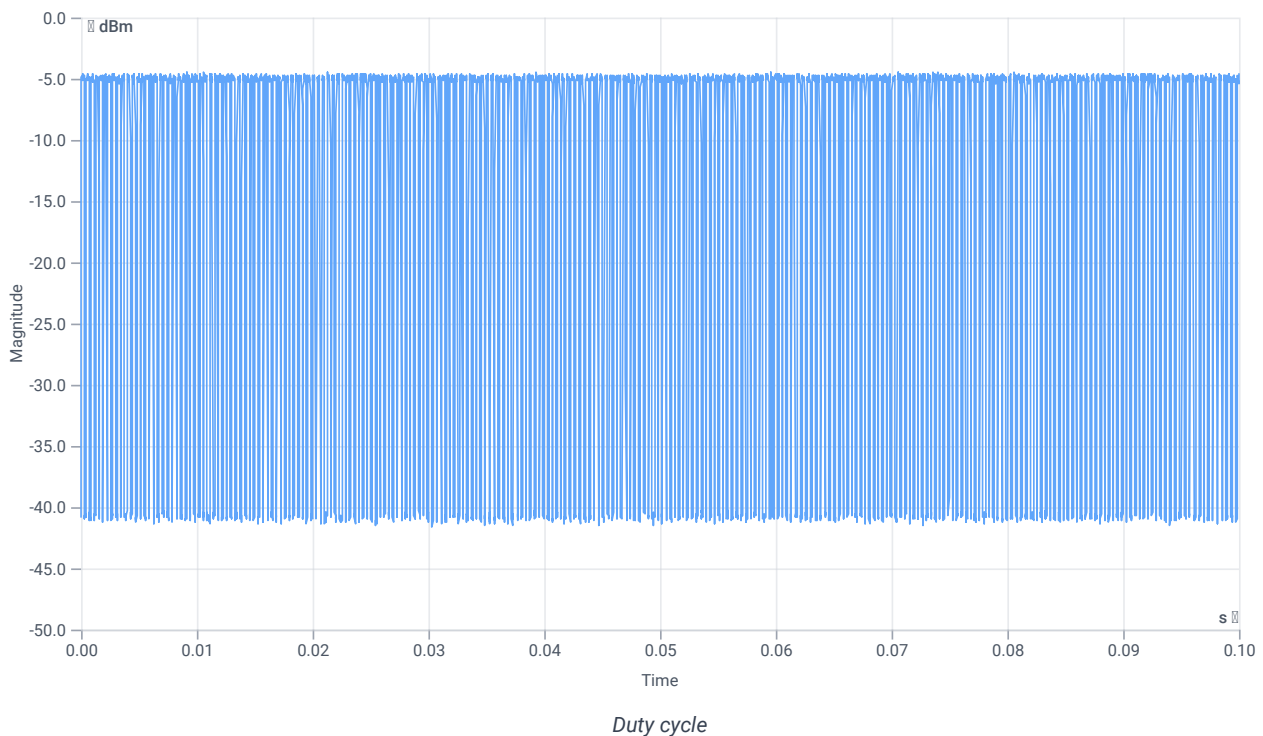
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-4.34	dBm	INFO
Ref. frequency	--	--	5809.990	MHz	INFO

## Evaluation max. duty cycle

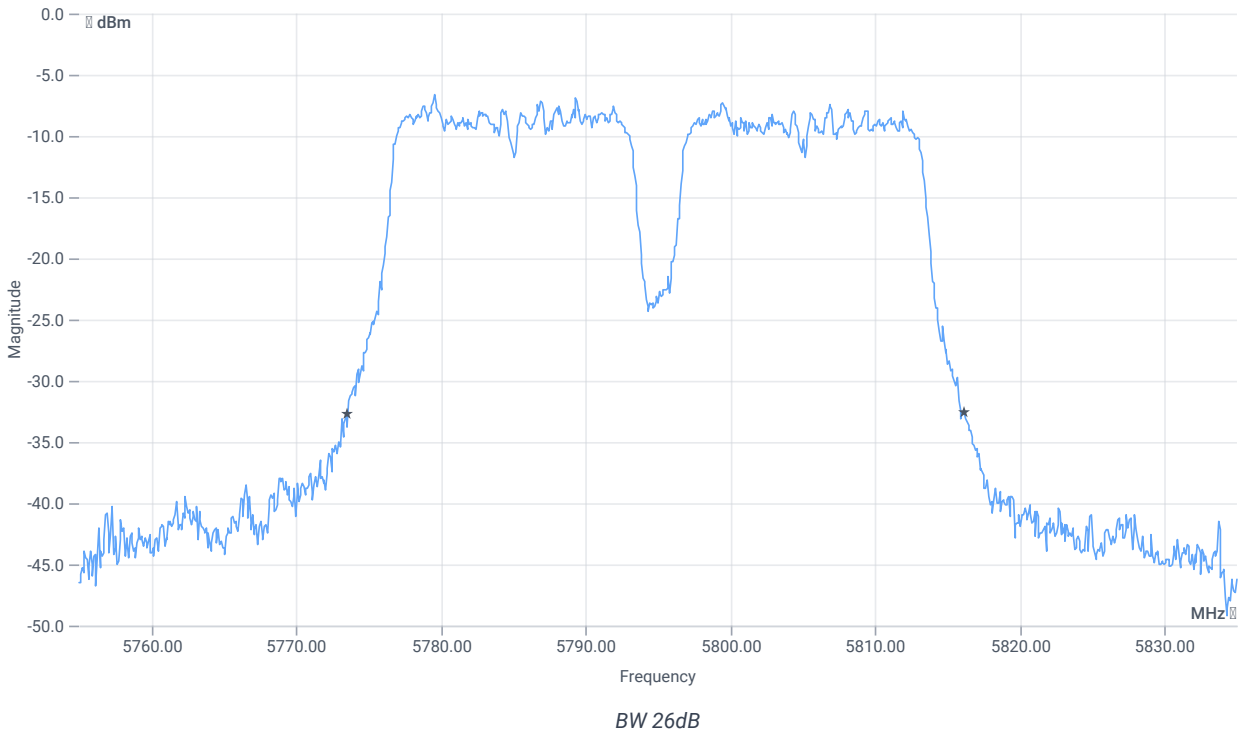
### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 255					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.429	--	INFO
Duty cycle min	--	--	3.675	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.3	ms	INFO



## Evaluation bandwidth





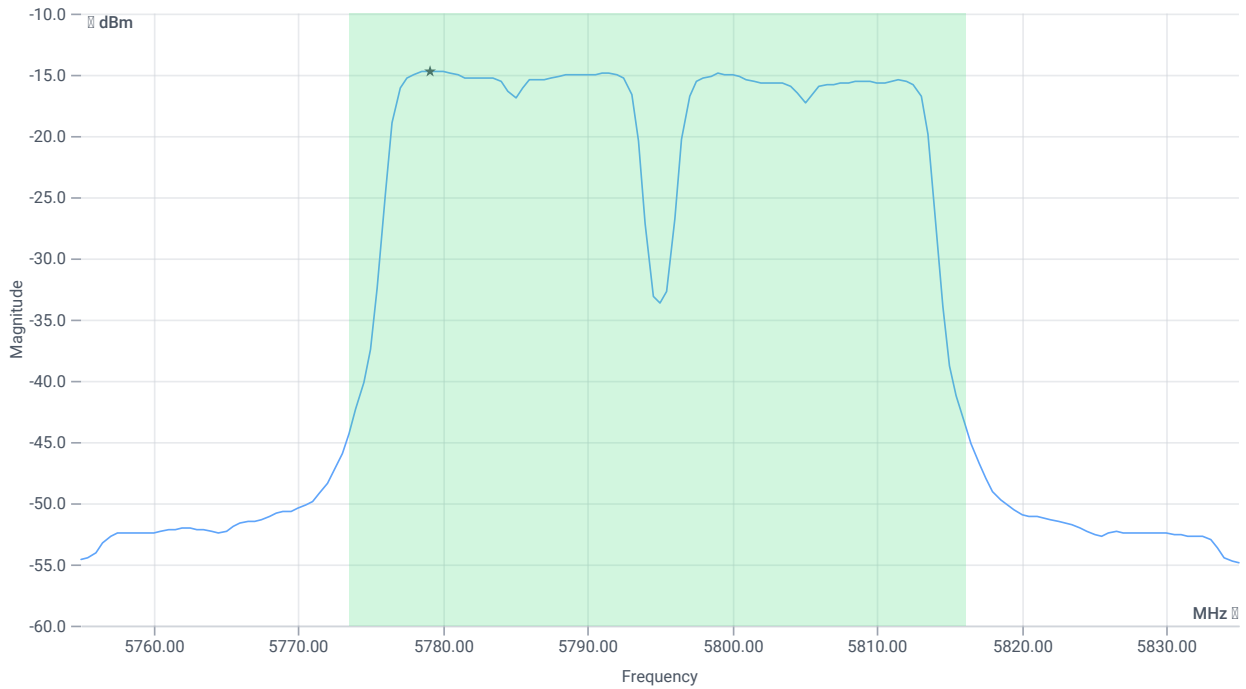
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.72	MHz	INFO
T1 26dB	---	---	5773.4800	MHz	INFO
T2 26dB	---	---	5816.2000	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.66   10.41   15
Start [MHz]   Stop [MHz]	5755.000   5835.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



Max OP and PSD

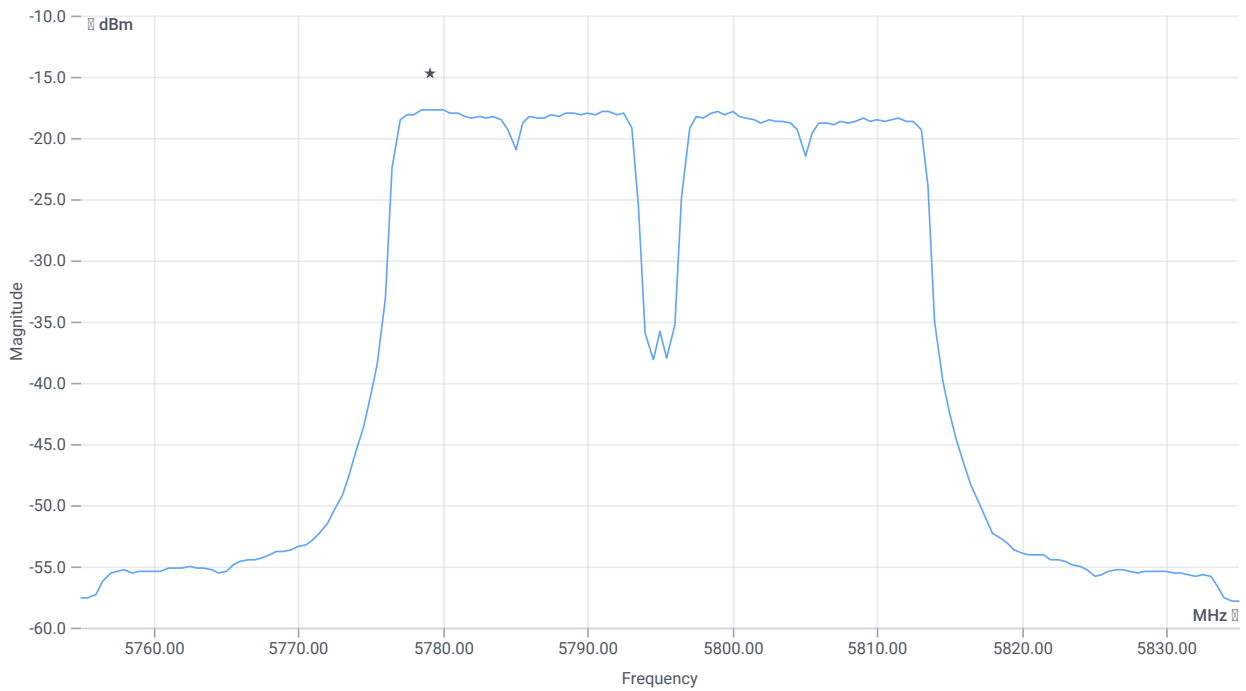
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	-0.46	dBm	INFO
Duty cycle correction	--	--	3.68	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	3.22	dBm	PASS
Limit: 11 dBm + 10 log 42.72					
Max output power DC corrected	--	27.31	3.22	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	7.66   10.41   15
Start [MHz]   Stop [MHz]	5755.000   5835.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



PSD UNII-3

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-17.65	dBm/0.5MHz	INFO
Duty cycle correction	--	--	3.68	dB	INFO
Power spectral density DC corrected	--	30	-13.97	dBm/0.5MHz	PASS

Verdict

PASS

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

### References

TC start	26.01.2024 18:08:48
Ambit temp [°C]   humidity [rel%]	26.8   33
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

### EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

### Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

### Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5795 MHz

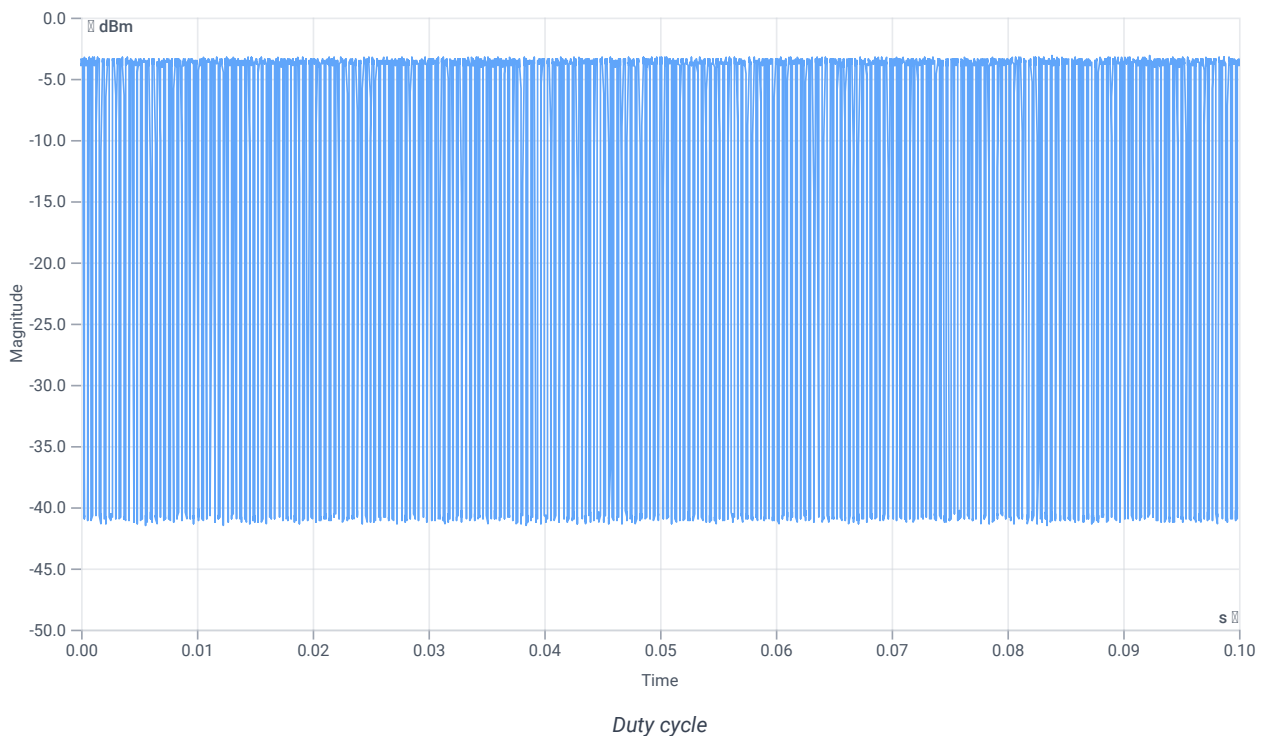
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.67	dBm	INFO
Ref. frequency	--	--	5779.820	MHz	INFO

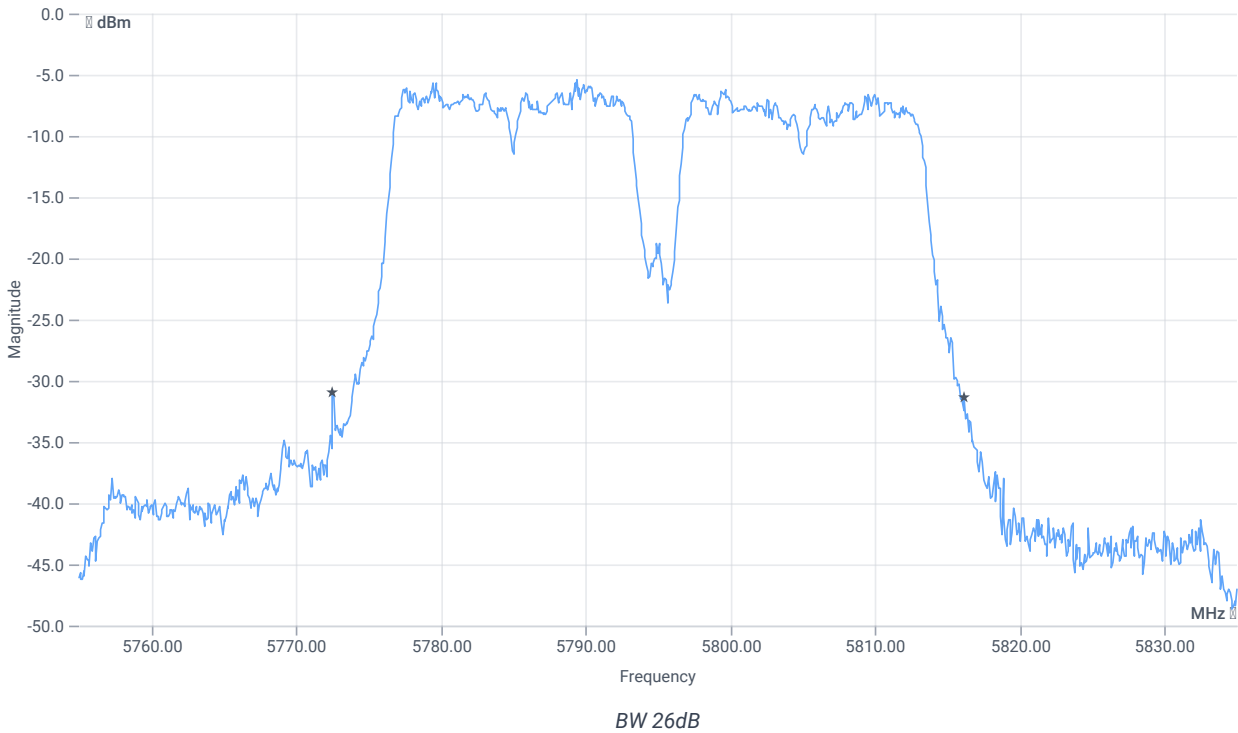
## Evaluation max. duty cycle

### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 262					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.4	--	INFO
Duty cycle min	--	--	3.979	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.3	ms	INFO



## Evaluation bandwidth



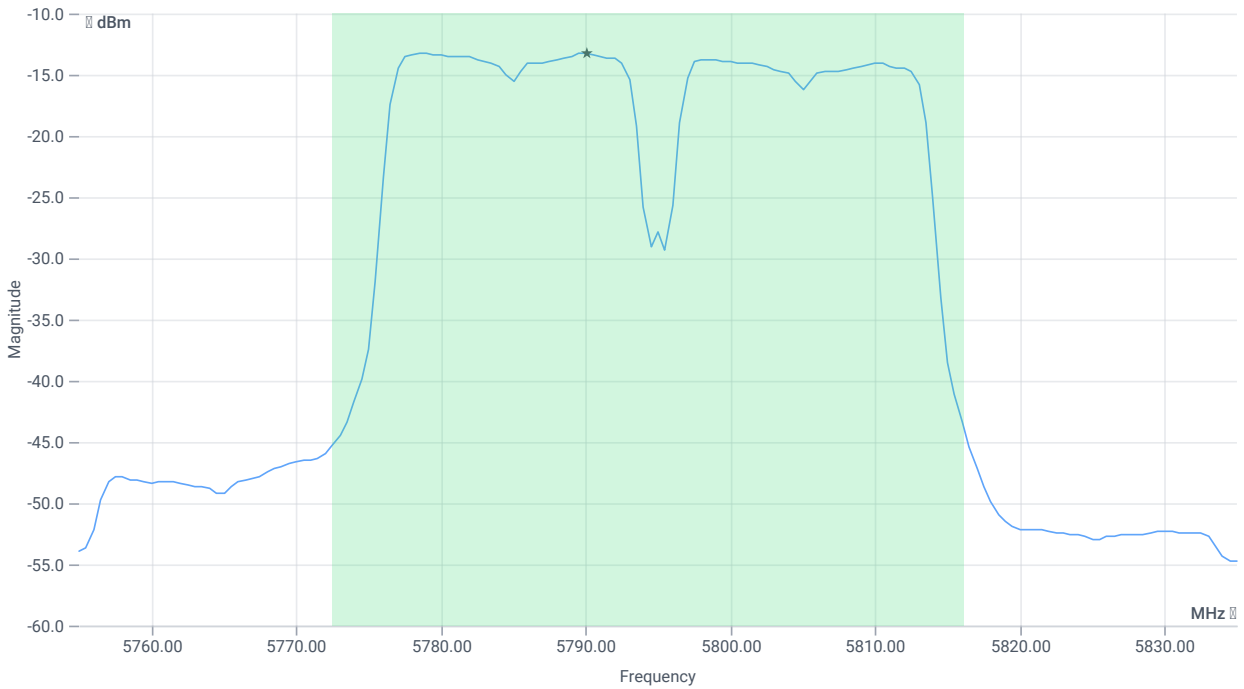
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	43.68	MHz	INFO
T1 26dB	---	---	5772.5200	MHz	INFO
T2 26dB	---	---	5816.2000	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.33   10.37   15
Start [MHz]   Stop [MHz]	5755.000   5835.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



Max OP and PSD

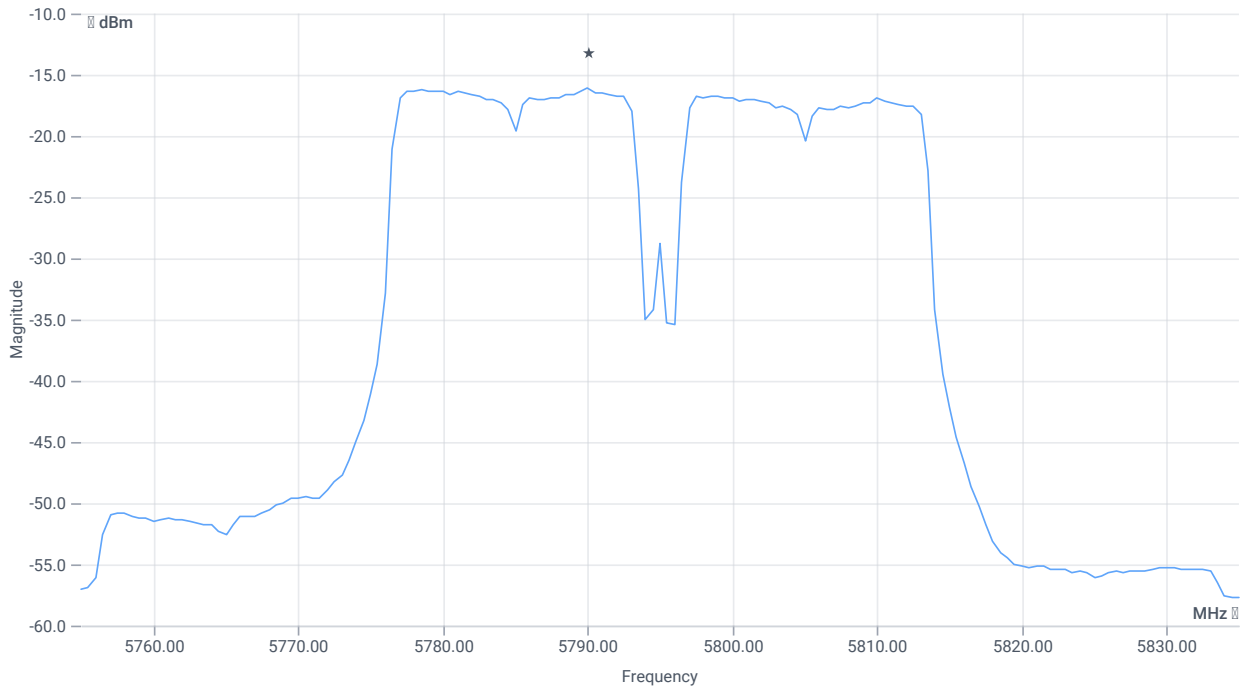
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	0.88	dBm	INFO
Duty cycle correction	--	--	3.98	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	4.86	dBm	PASS
Limit: 11 dBm + 10 log 43.68					
Max output power DC corrected	--	27.4	4.86	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.33   10.37   15
Start [MHz]   Stop [MHz]	5755.000   5835.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



PSD UNII-3

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-16.1	dBm/0.5MHz	INFO
Duty cycle correction	--	--	3.98	dB	INFO
Power spectral density DC corrected	--	30	-12.12	dBm/0.5MHz	PASS

Verdict

PASS



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

## References

TC start	26.01.2024 17:57:17
Ambit temp [°C]   humidity [rel%]	26.8   34
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5755 MHz

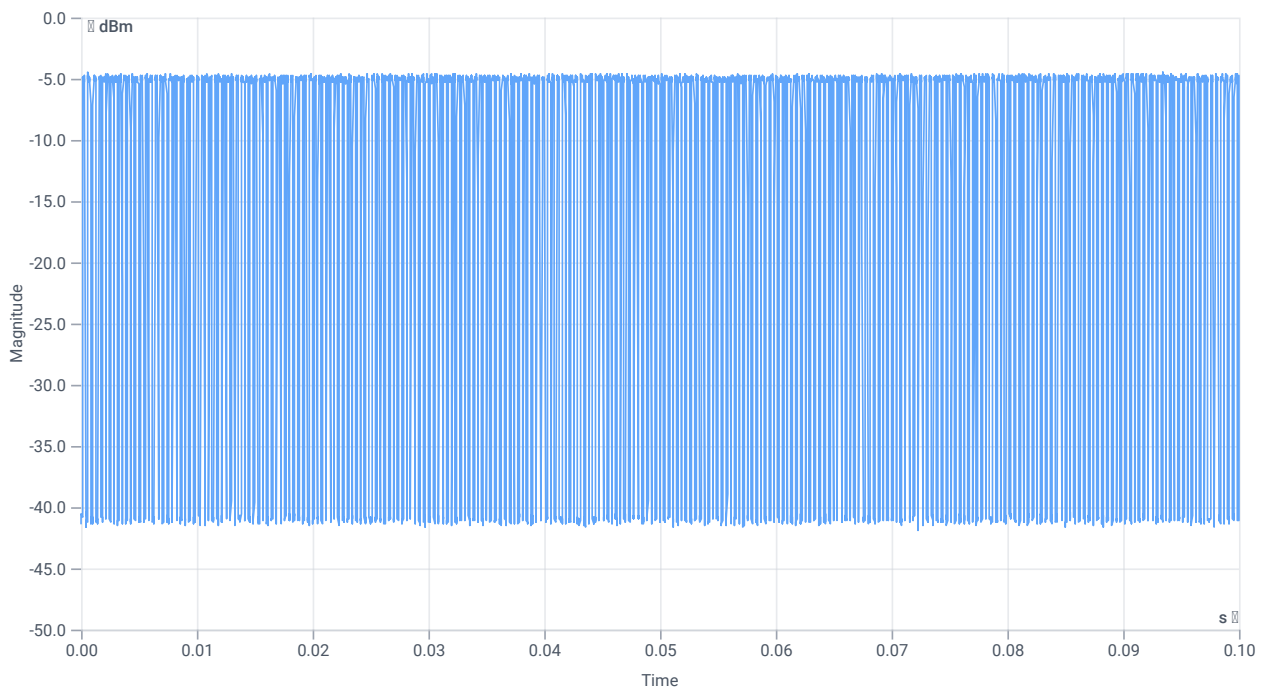
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-3.58	dBm	INFO
Ref. frequency	--	--	5739.420	MHz	INFO

## Evaluation max. duty cycle

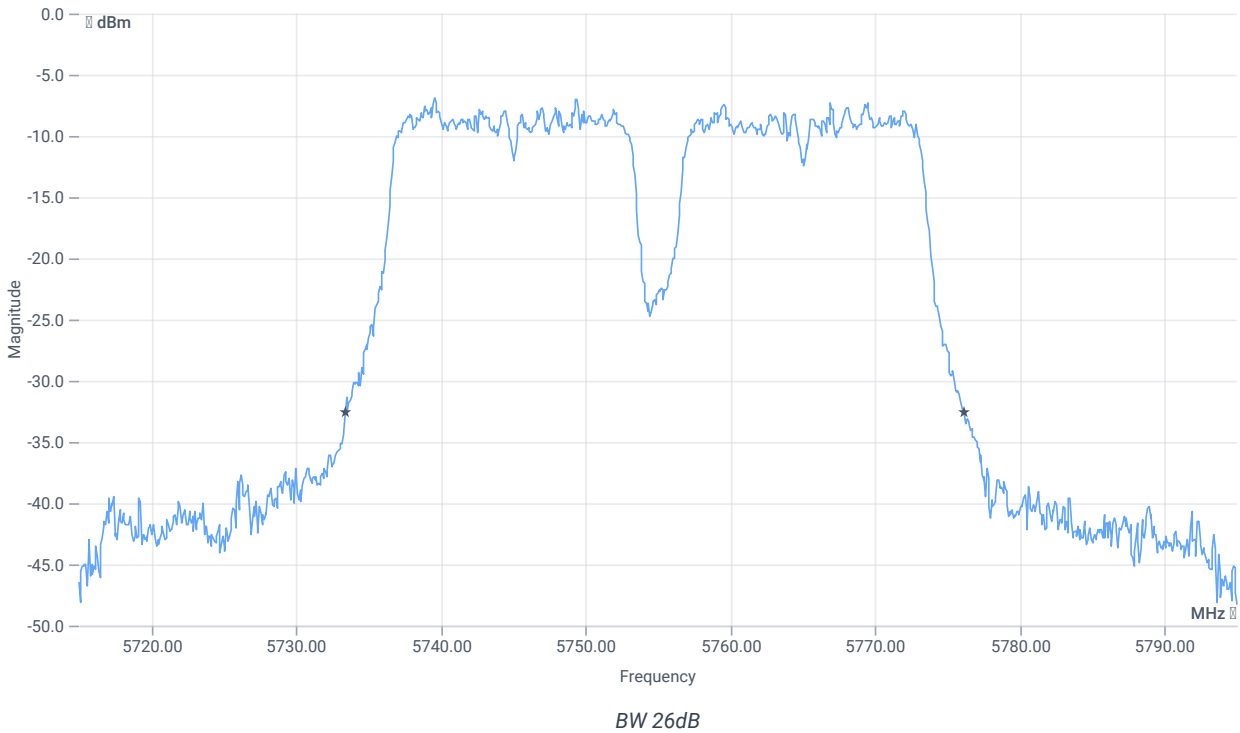
### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 255					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.381	--	INFO
Duty cycle min	--	--	4.191	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.325	ms	INFO



Duty cycle

## Evaluation bandwidth



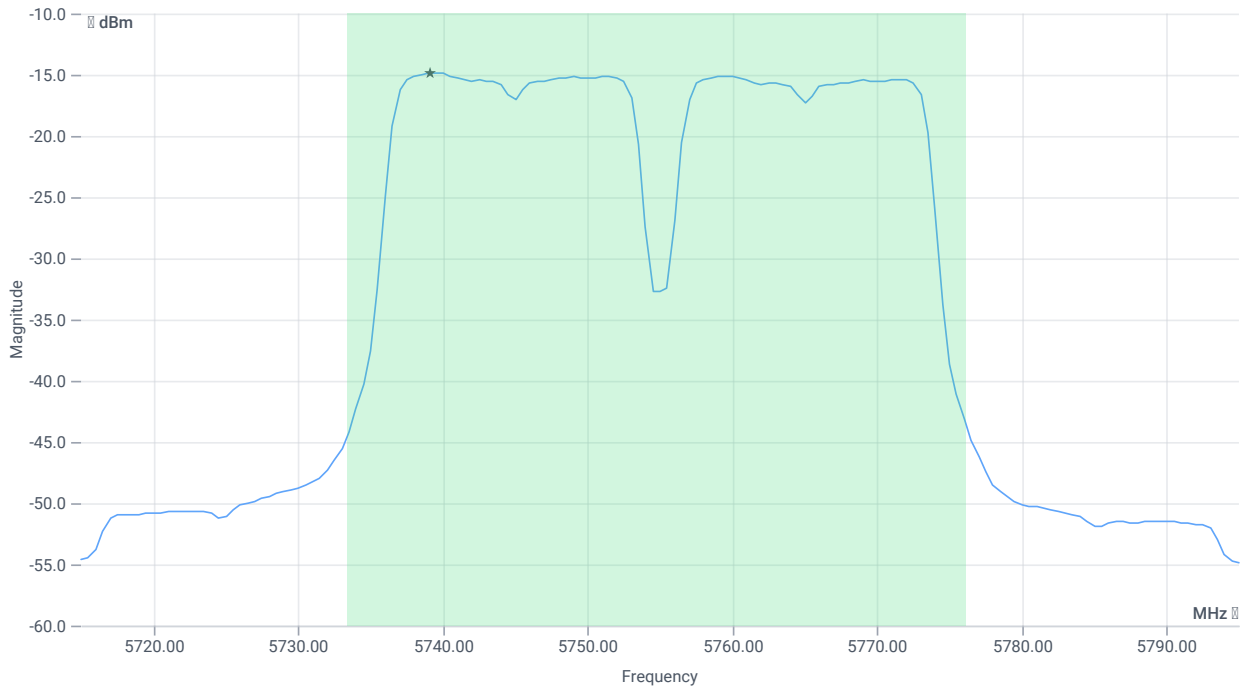
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42.8	MHz	INFO
T1 26dB	---	---	5733.4000	MHz	INFO
T2 26dB	---	---	5776.2000	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.42   10.41   15
Start [MHz]   Stop [MHz]	5715.000   5795.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



Max OP and PSD

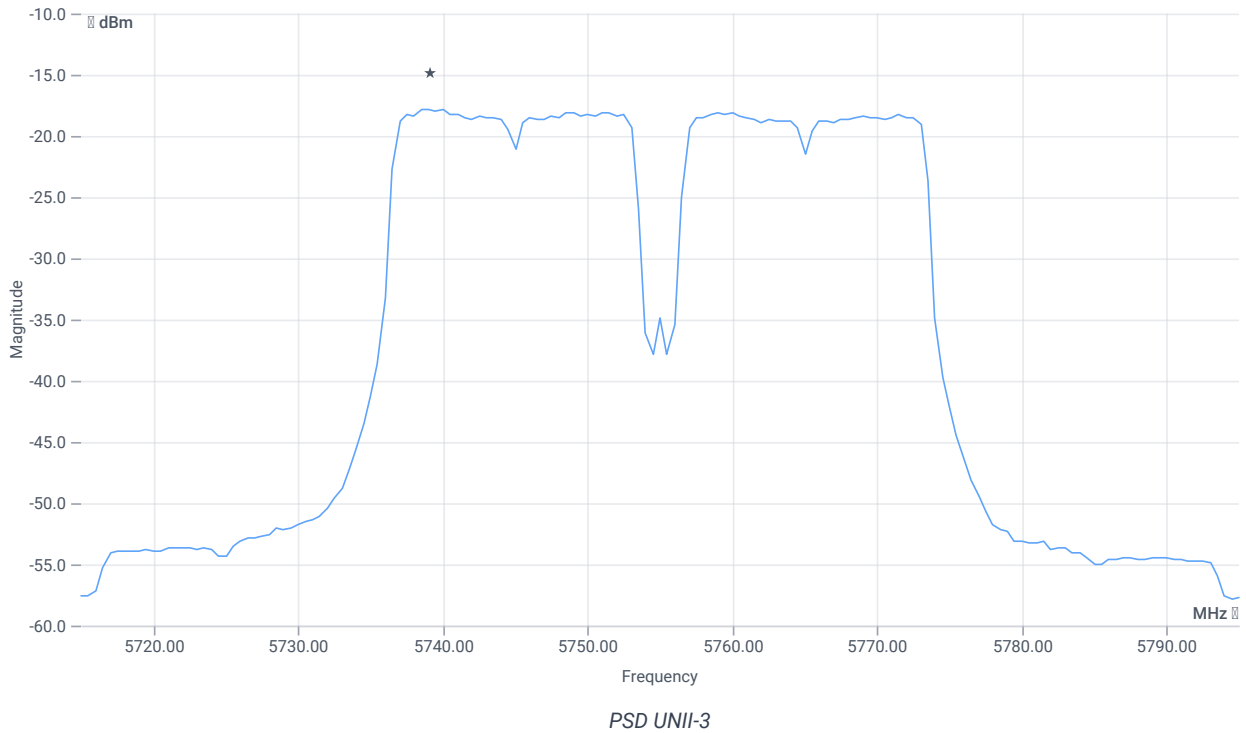
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	-0.59	dBm	INFO
Duty cycle correction	--	--	4.19	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	3.6	dBm	PASS
Limit: 11 dBm + 10 log 42.8					
Max output power DC corrected	--	27.31	3.6	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	8.42   10.41   15
Start [MHz]   Stop [MHz]	5715.000   5795.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-17.86	dBm/0.5MHz	INFO
Duty cycle correction	--	--	4.19	dB	INFO
Power spectral density DC corrected	--	30	-13.67	dBm/0.5MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 17:50:19
Ambit temp [°C]   humidity [rel%]	26.8   35
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-3
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True   Freq [MHz] 5755
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	False   Freq [MHz] 5795
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

## Test at TX 5755 MHz

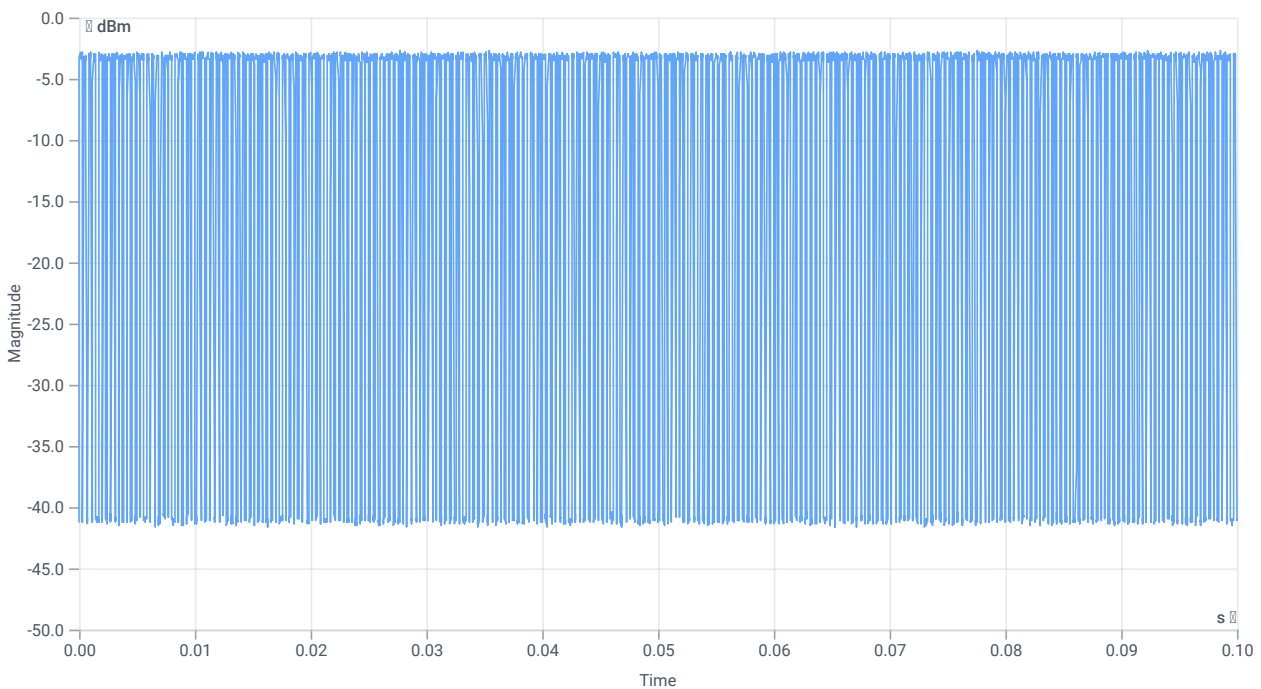
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-2.67	dBm	INFO
Ref. frequency	--	--	5750.000	MHz	INFO

## Evaluation max. duty cycle

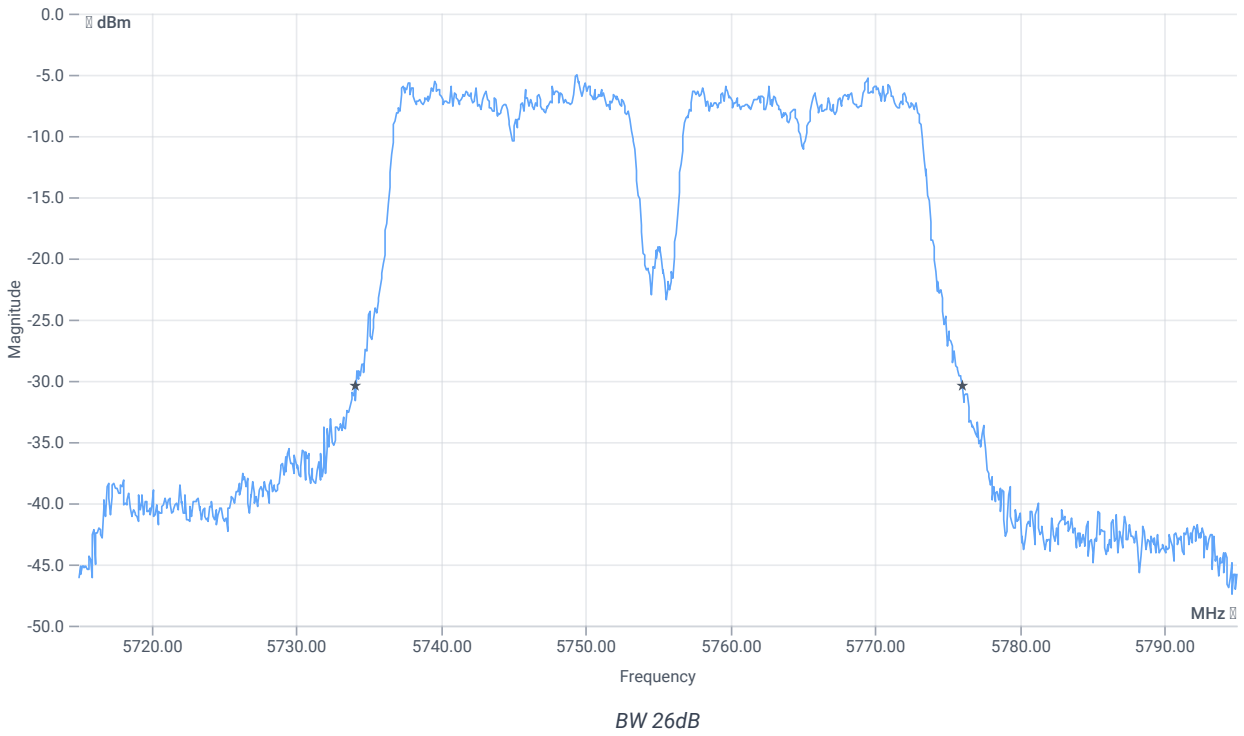
### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 255					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.409	--	INFO
Duty cycle min	--	--	3.883	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.325	ms	INFO



Duty cycle

## Evaluation bandwidth



## RESULT

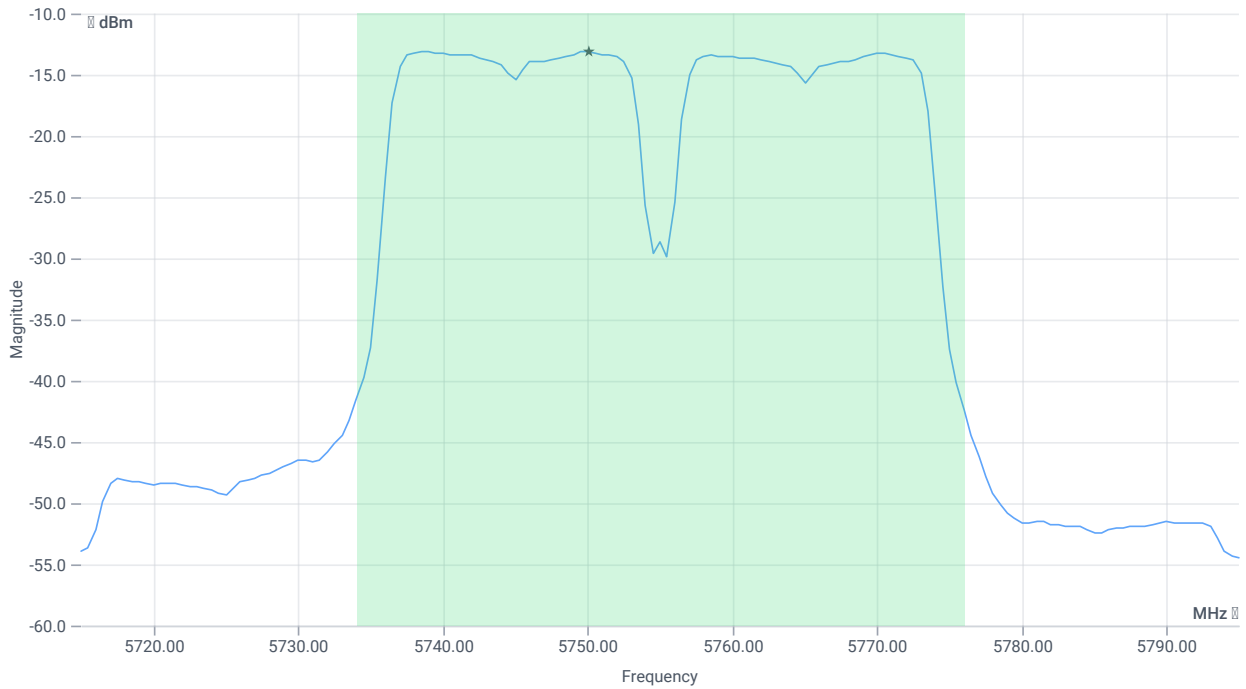
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	42	MHz	INFO
T1 26dB	---	---	5734.0400	MHz	INFO
T2 26dB	---	---	5776.0400	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.33   10.39   15
Start [MHz]   Stop [MHz]	5715.000   5795.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE





Max OP and PSD

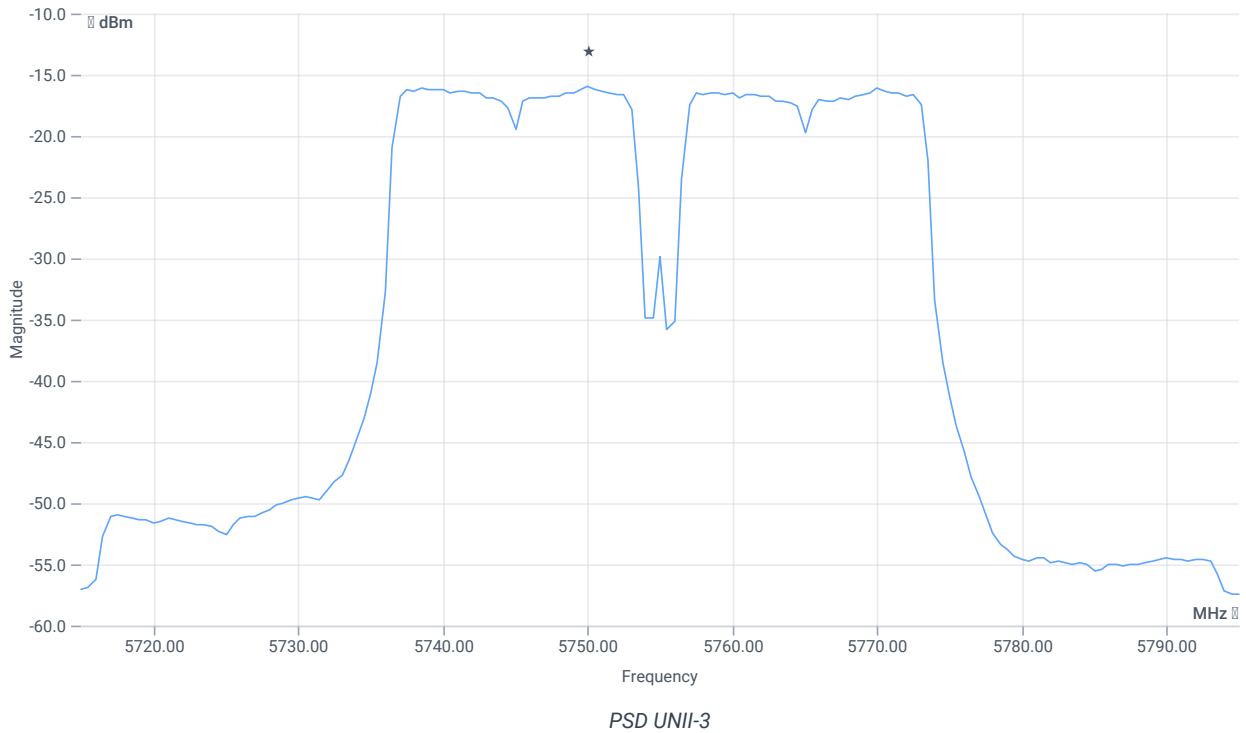
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	1.23	dBm	INFO
Duty cycle correction	--	--	3.88	dB	INFO
Limit absolute					
Max output power DC corrected	--	30	5.11	dBm	PASS
Limit: 11 dBm + 10 log 42					
Max output power DC corrected	--	27.23	5.11	dBm	na

## Power Spectral Density U-NII-3

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	9.33   10.39   15
Start [MHz]   Stop [MHz]	5715.000   5795.000
RBW [MHz]   VBW [MHz]	0.500000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-15.95	dBm/0.5MHz	INFO
Duty cycle correction	--	--	3.88	dB	INFO
Power spectral density DC corrected	--	30	-12.07	dBm/0.5MHz	PASS

Verdict

PASS

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

## References

TC start	26.01.2024 17:44:30
Ambit temp [°C]   humidity [rel%]	26.8   36
System version	5.0.1.0
Standard   Version	FCC 15.407   NI
Method	KDB789033 D02, F, E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT40 mode U-NII-1
Information	

## EUT Common Settings WLAN5Gx

Number of antenna ports	1
User Interaction	No
Device class UNIL_1	Client
Limit W52 japan	Standard

## Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

## Test Parameter

Technology to test	WLAN5Gx n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False   Freq [MHz] 5190
Frequency mid to test	False   Freq [MHz] 0
Frequency high to test	True   Freq [MHz] 5230
Auto control enabled power supply   Climatic Box	No   No
Additional path loss [dB]	0.5
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

## Test at TX 5230 MHz

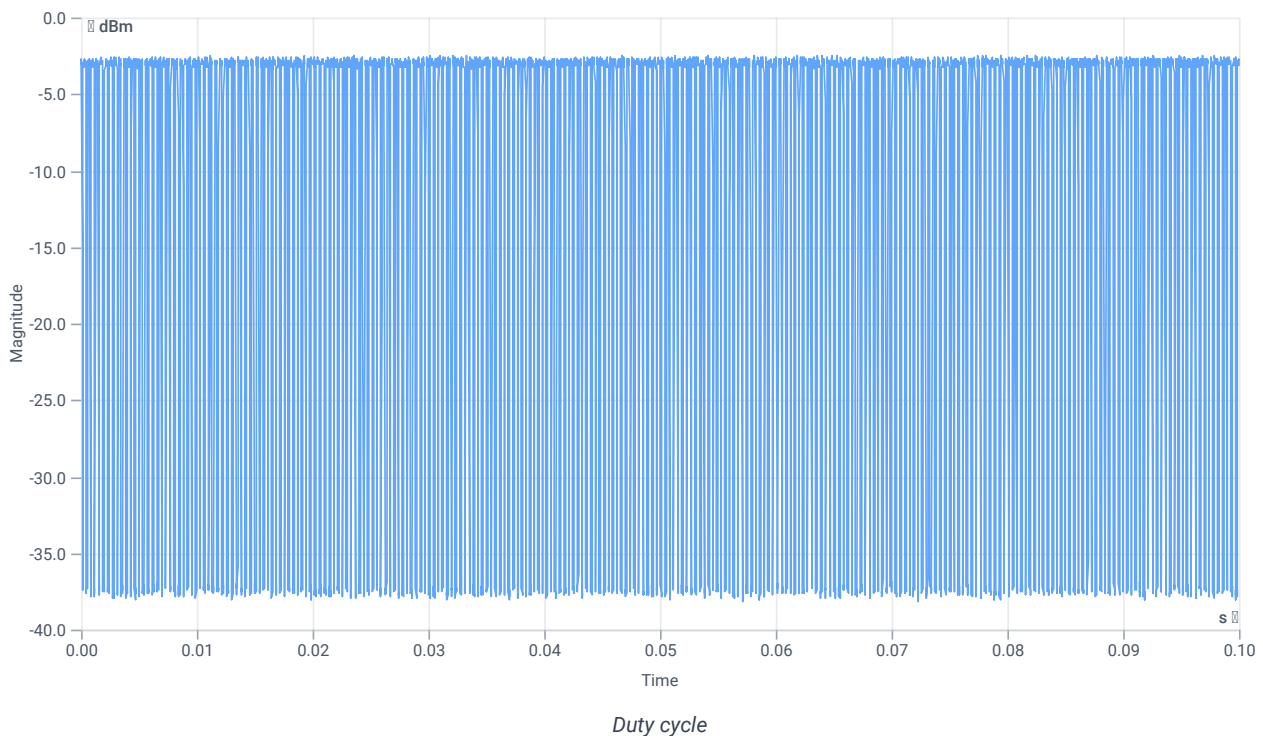
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	-1.90	dBm	INFO
Ref. frequency	--	--	5247.180	MHz	INFO

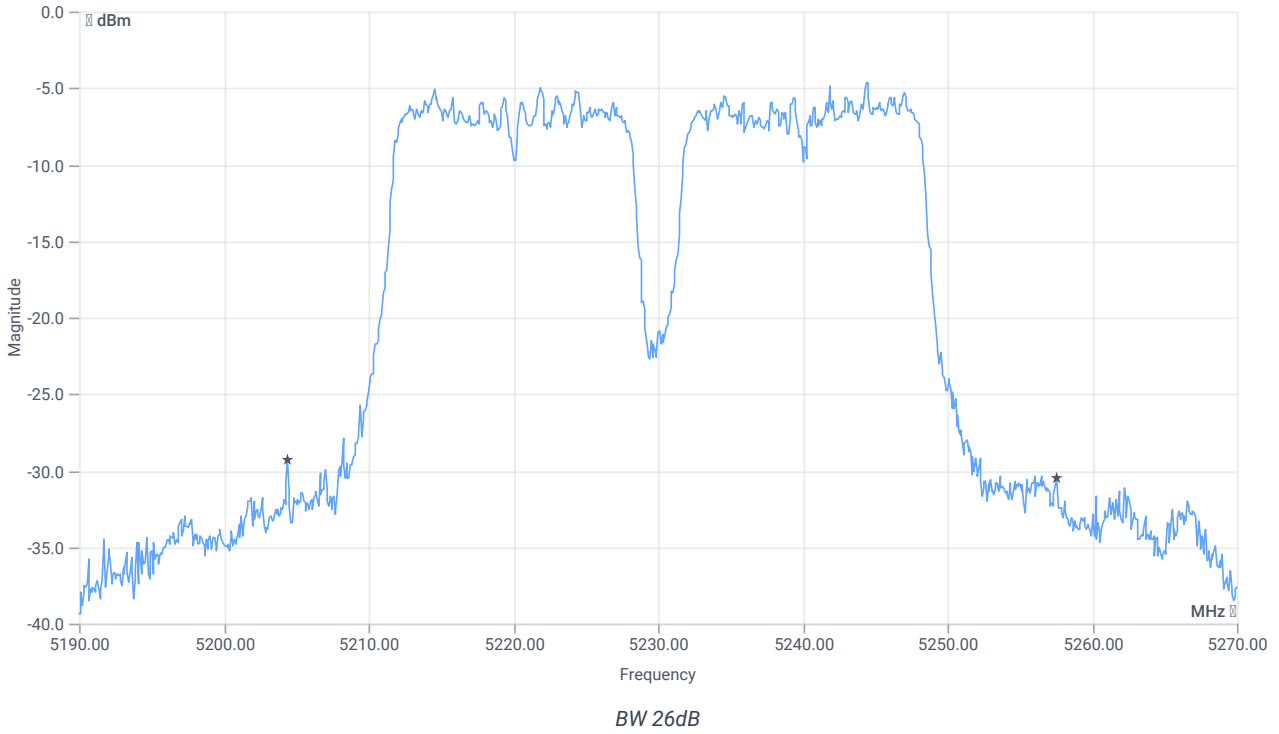
## Evaluation max. duty cycle

### DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 263					
Duty cycle (burst Ratio) max	--	--	0.643	--	INFO
Duty cycle max	--	--	1.918	dB	INFO
Duty cycle (burst Ratio) min	--	--	0.471	--	INFO
Duty cycle min	--	--	3.27	dB	INFO
Max TX burst length	--	--	0.225	ms	INFO
Min gap length	--	--	0.125	ms	INFO
Max gap length	--	--	0.225	ms	INFO



## Evaluation bandwidth



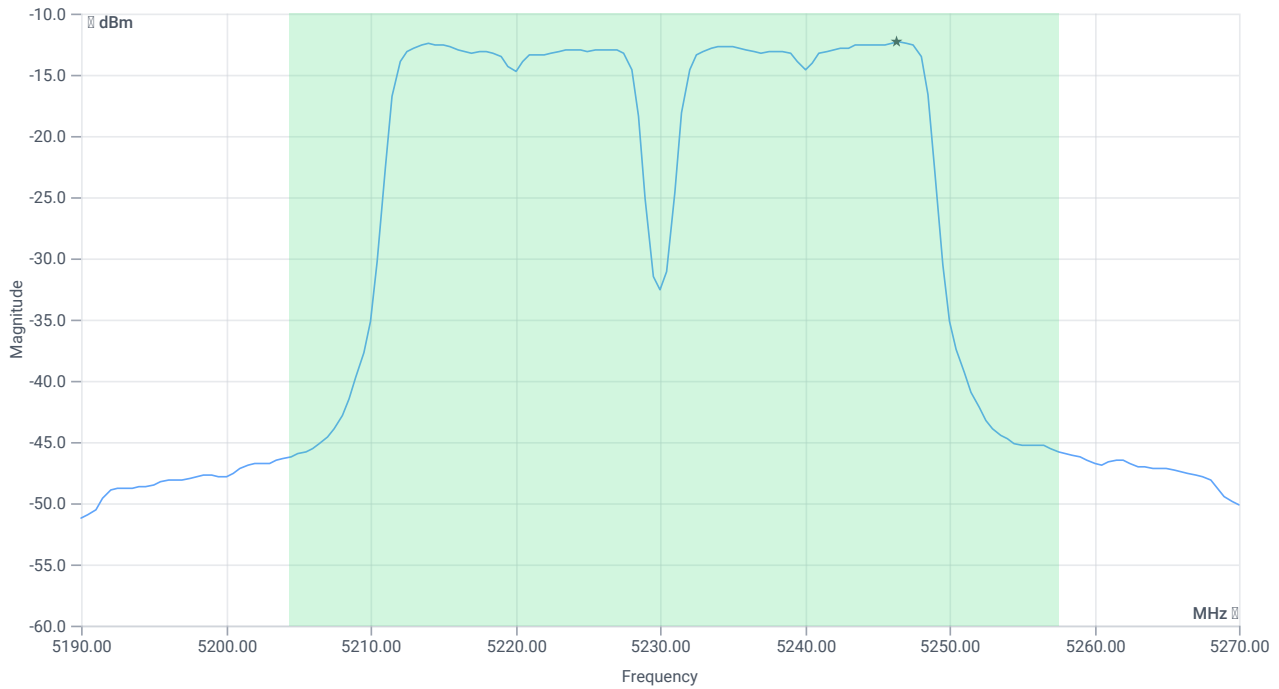
## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	53.12	MHz	INFO
T1 26dB	---	---	5204.4000	MHz	INFO
T2 26dB	---	---	5257.5200	MHz	INFO

## Maximum Output Power

### READ SA SETTINGS:

RefLevel [dBm]   RefLevelOffset [dB]   InpAtt [dB]	10.10   9.97   15
Start [MHz]   Stop [MHz]	5190.000   5270.000
RBW [MHz]   VBW [MHz]	1.000000   3.000000
Detector   TraceMode	RMS   MAXH
Sweep: time [ms]   count   points per Section   type	53700   1   161   SWE



Max OP and PSD

## RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power	--	--	1.92	dBm	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Limit absolute					
Max output power DC corrected	--	24	5.19	dBm	PASS
Limit: 11 dBm + 10 log 53.12					
Max output power DC corrected	--	28.25	5.19	dBm	na

## Power spectral density

### RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density	--	--	-12.33	dBm/1MHz	INFO
Duty cycle correction	--	--	3.27	dB	INFO
Power spectral density DC corrected	--	11	-9.06	dBm/1MHz	PASS

### Verdict

PASS