

Conducted test results

No.1-3399-26-01-03_TR1-A201-R01

August 10, 2026

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

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ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3	157
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NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:11:10
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 11:11:12
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5180 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 11:11:21
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant136

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5175 MHz

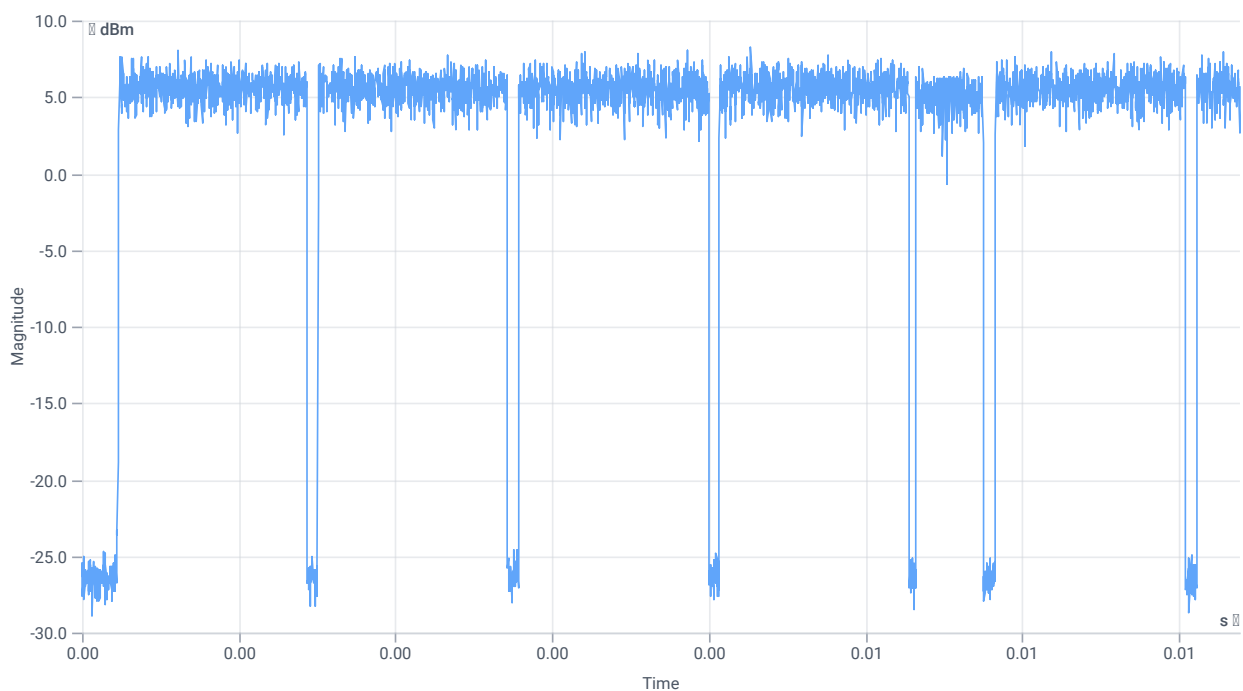
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.04	dBm	INFO
Ref. frequency	---	---	5175.000	MHz	INFO

Evaluation max. duty cycle

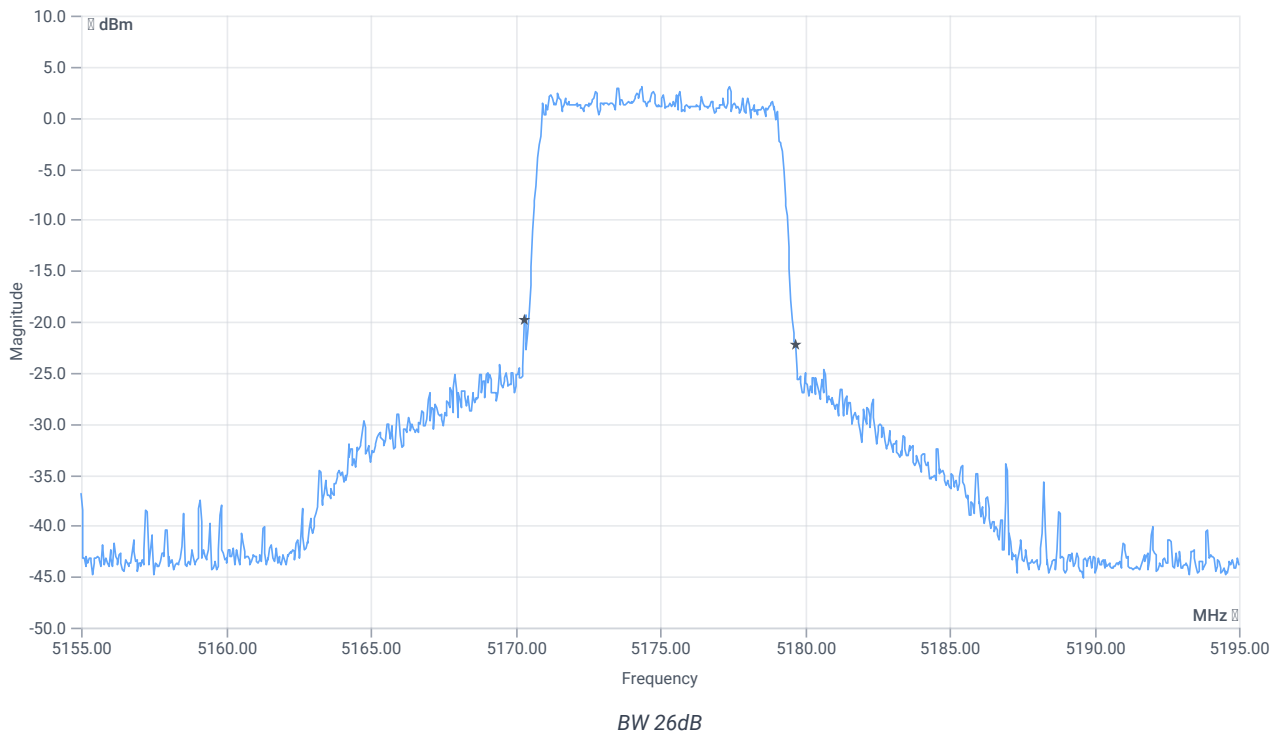
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.54	dB	INFO
Estimated ON level	---	---	6.62	dBm	INFO
Estimated noise floor	---	---	3.08	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



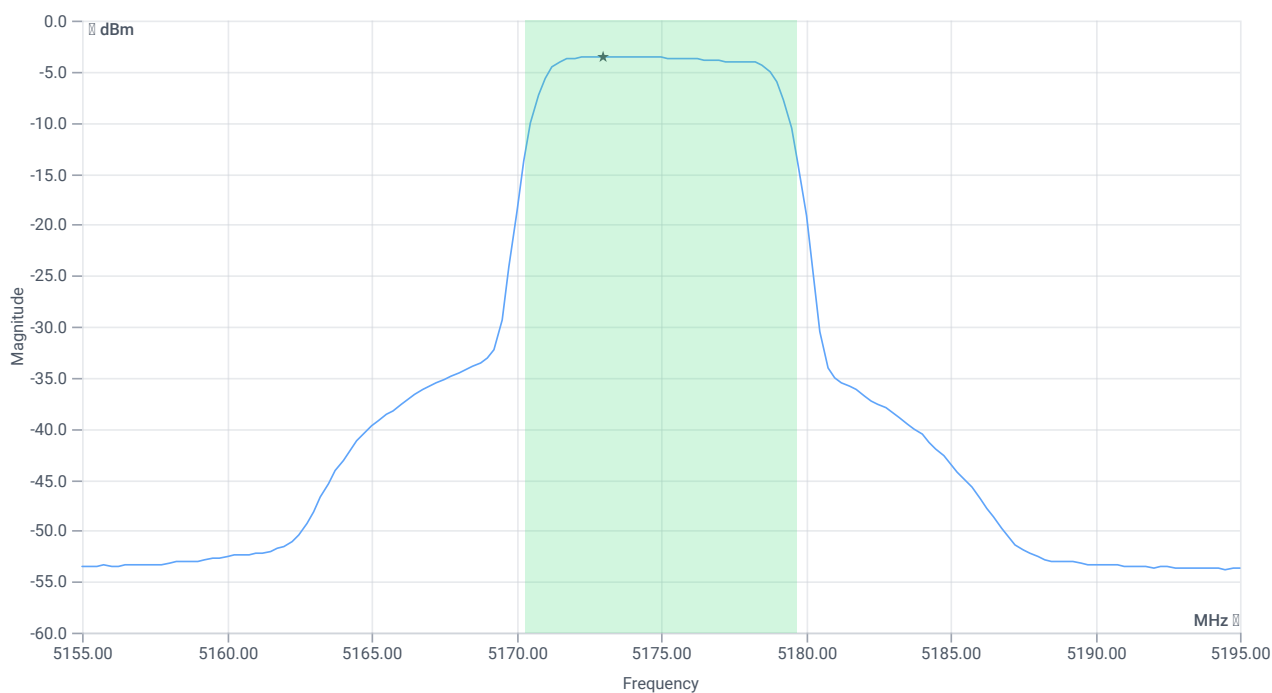
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.36	MHz	INFO
T1 26dB	---	---	5170.3200	MHz	INFO
T2 26dB	---	---	5179.6800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.04 13.9 20
Start [MHz] Stop [MHz]	5155.000 5195.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	5.12	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	5.12	dBm	PASS
LIMIT: 11 dBm + 10 log 9.36					
Max output power DC corrected cond	---	N/A	5.12	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-3.55	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-3.55	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:11:59
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5175 MHz

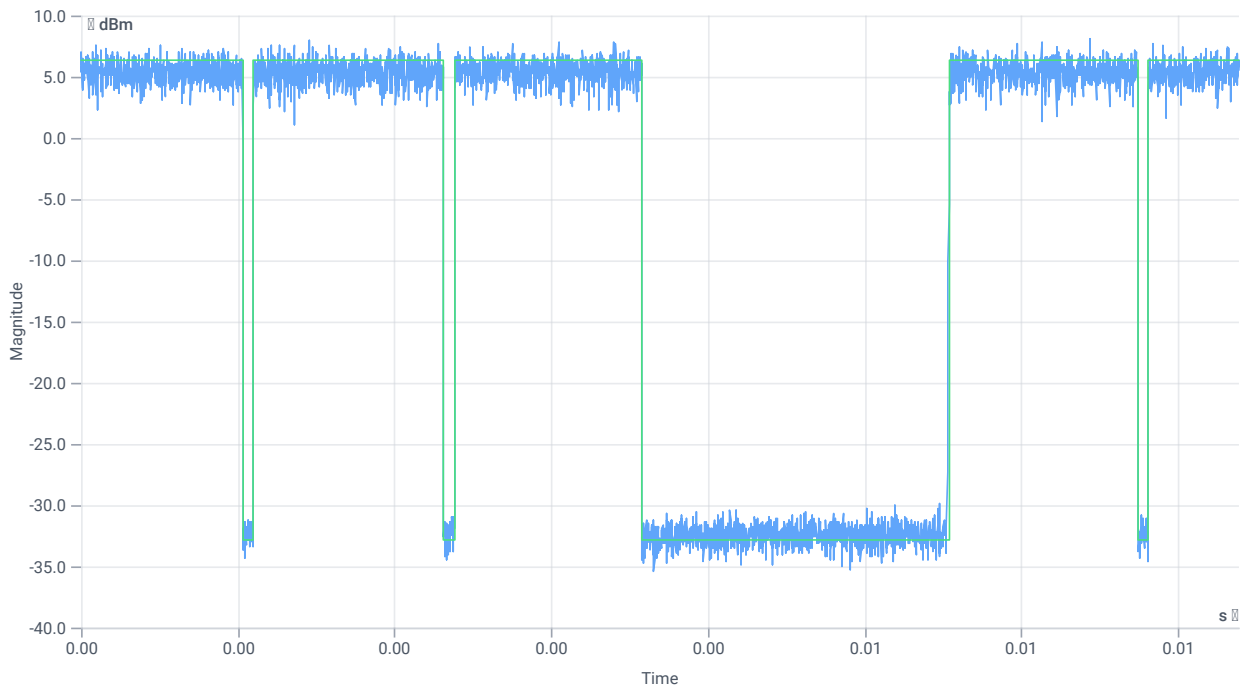
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.14	dBm	INFO
Ref. frequency	---	---	5173.400	MHz	INFO

Evaluation max. duty cycle

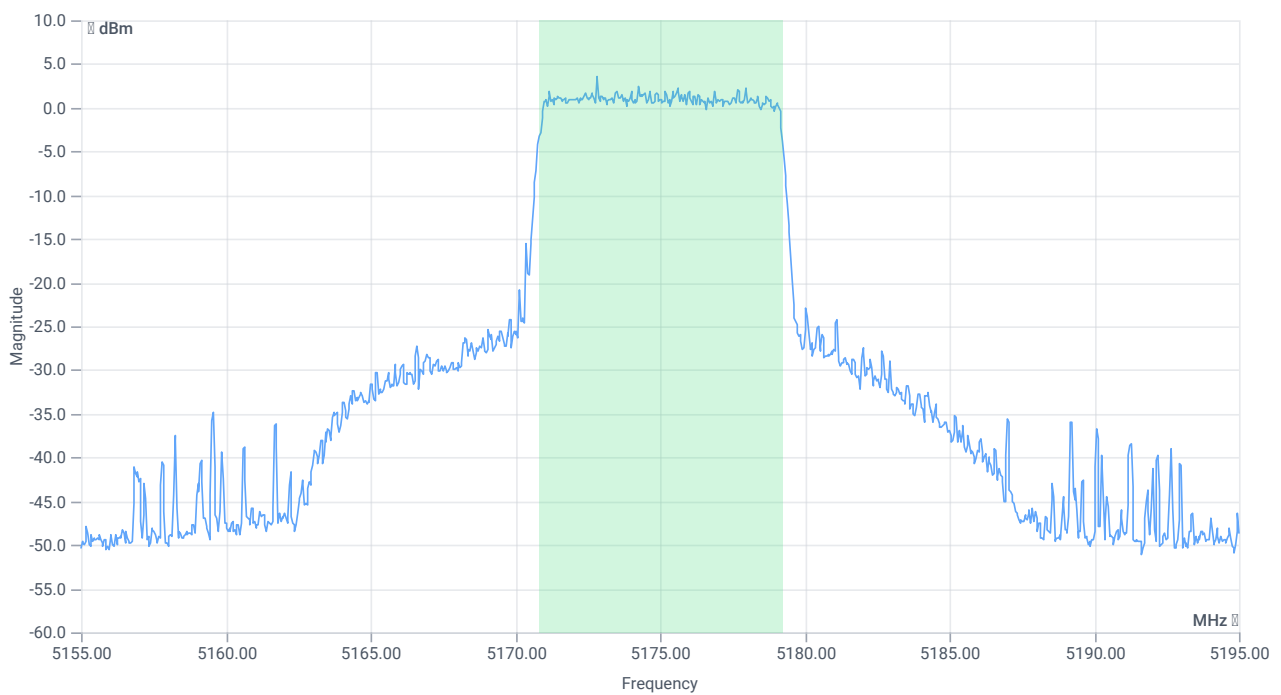
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	3	---	INFO
Estimated ON level	---	---	6.33	dBm	INFO
Estimated noise floor	---	---	-32.81	dBm	INFO
Dynamic range (ON - noise)	---	---	39.14	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9466	---	INFO
Duty cycle max	---	---	0.238	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.3786	---	INFO
Duty cycle min	---	---	4.218	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0683	ms	INFO
Max gap length	---	---	1.9617	ms	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 99PCT

RESULT

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

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5170.8042	MHz	INFO
T2 99%	---	---	5179.2358	MHz	INFO

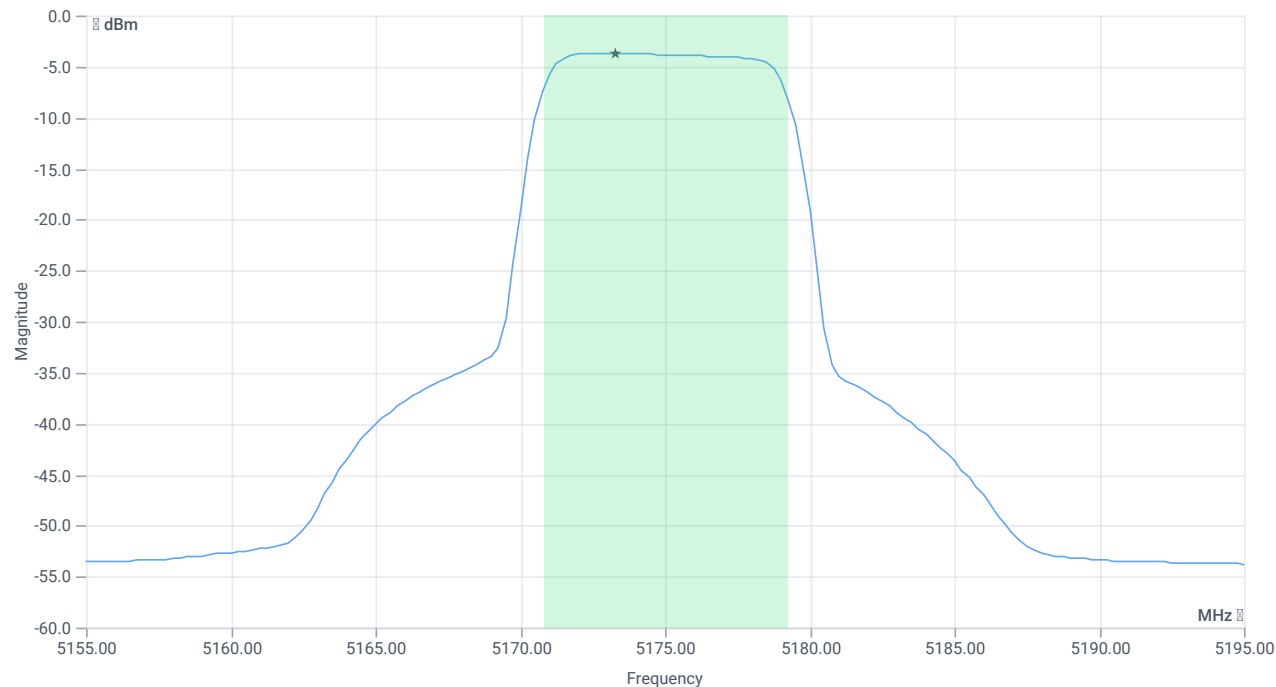
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5175 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.14 13.9 20
Start [MHz] Stop [MHz]	5155.000 5195.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	15400 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	4.83	dBm	INFO
Duty cycle correction	---	---	4.22	dB	INFO
Max output power DC corrected cond	---	---	9.05	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	11.81	dBm	PASS
LIMIT: 10 dBm + 10 log 8.432					
Max output power DC corrected eirp	---	19.26	11.81	dBm	PASS
Power spectral density eirp	---		-0.96	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	3.26	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	9.05	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:12:52
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

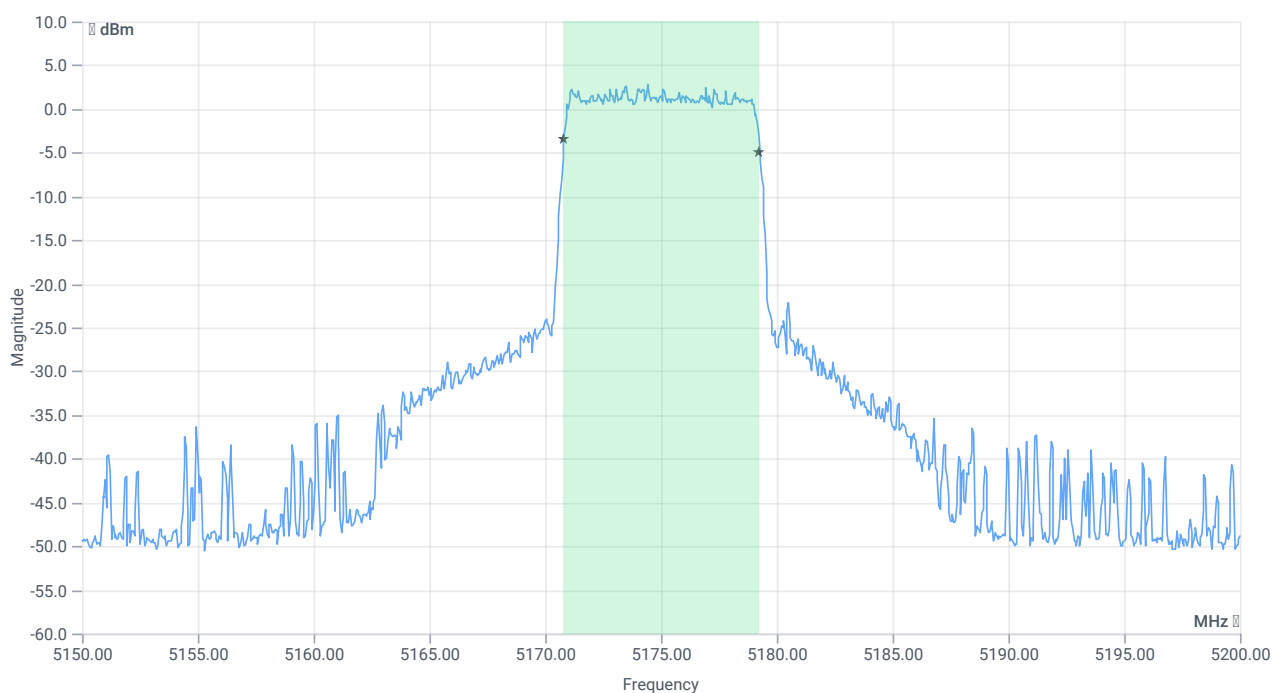
Test at TX 5175 MHz

RESULT: Reference power cond.

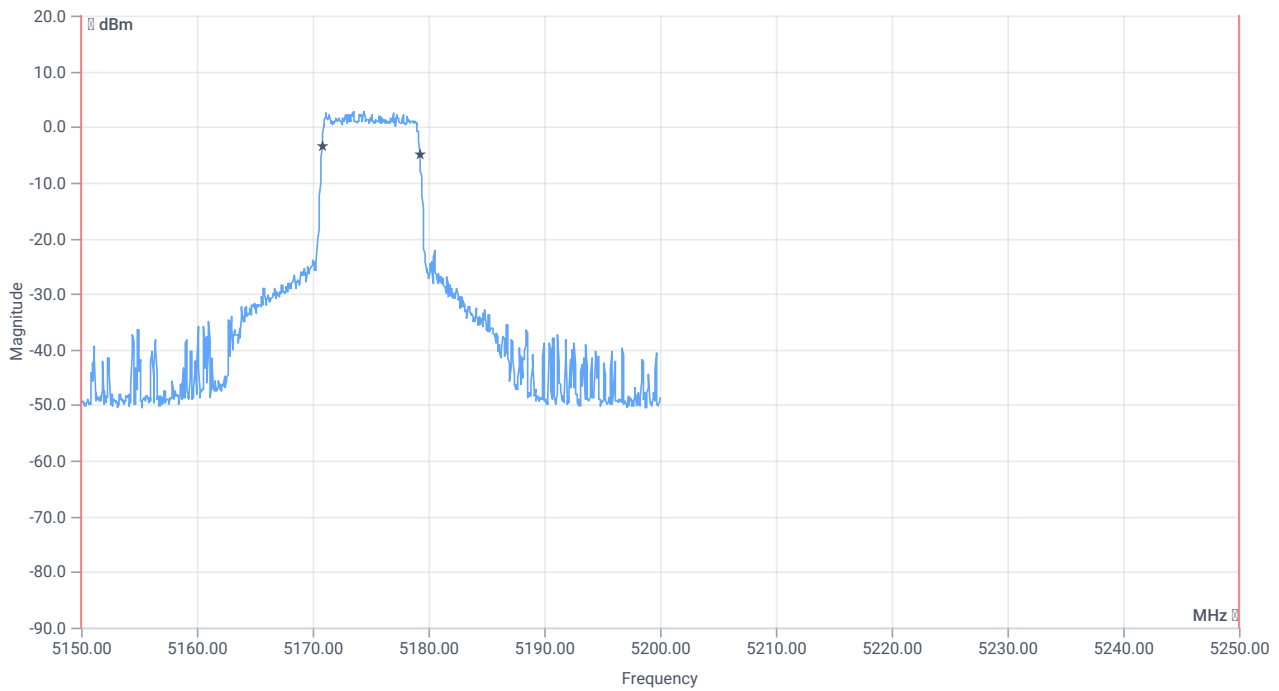
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.96	dBm	INFO
Ref. frequency	---	---	5171.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.96 13.9 20
Start [MHz] Stop [MHz]	5150.000 5200.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE



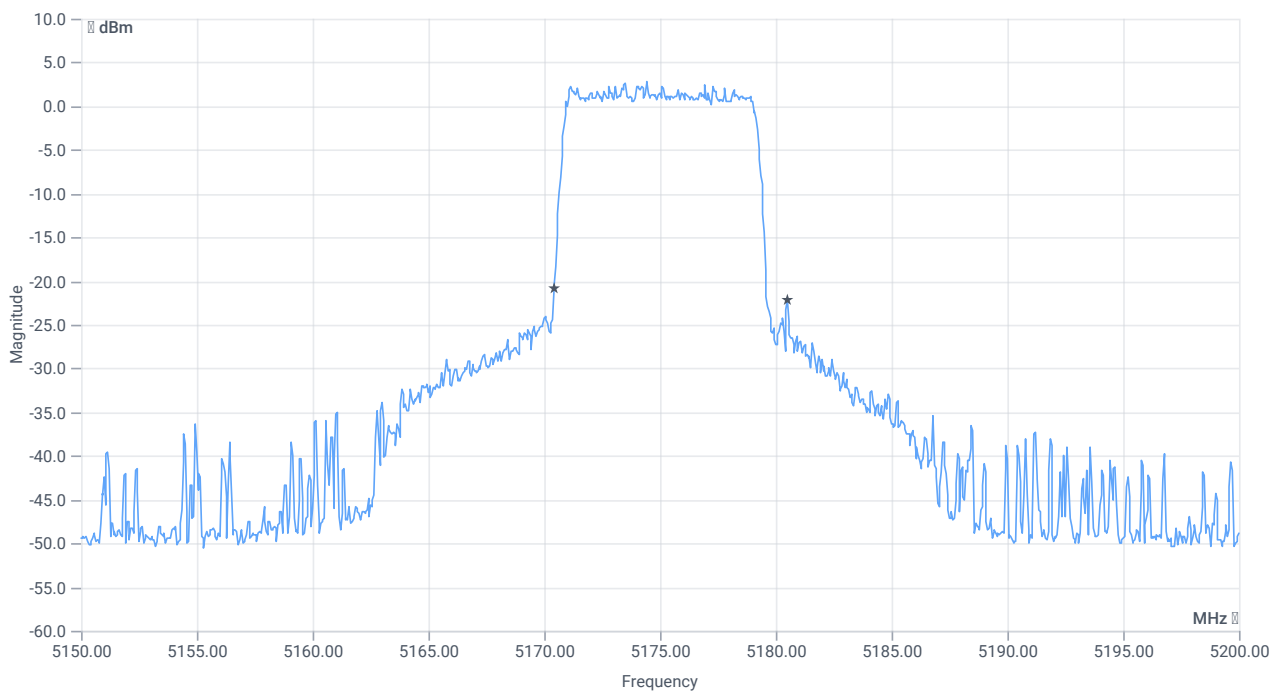
BW 99PCT



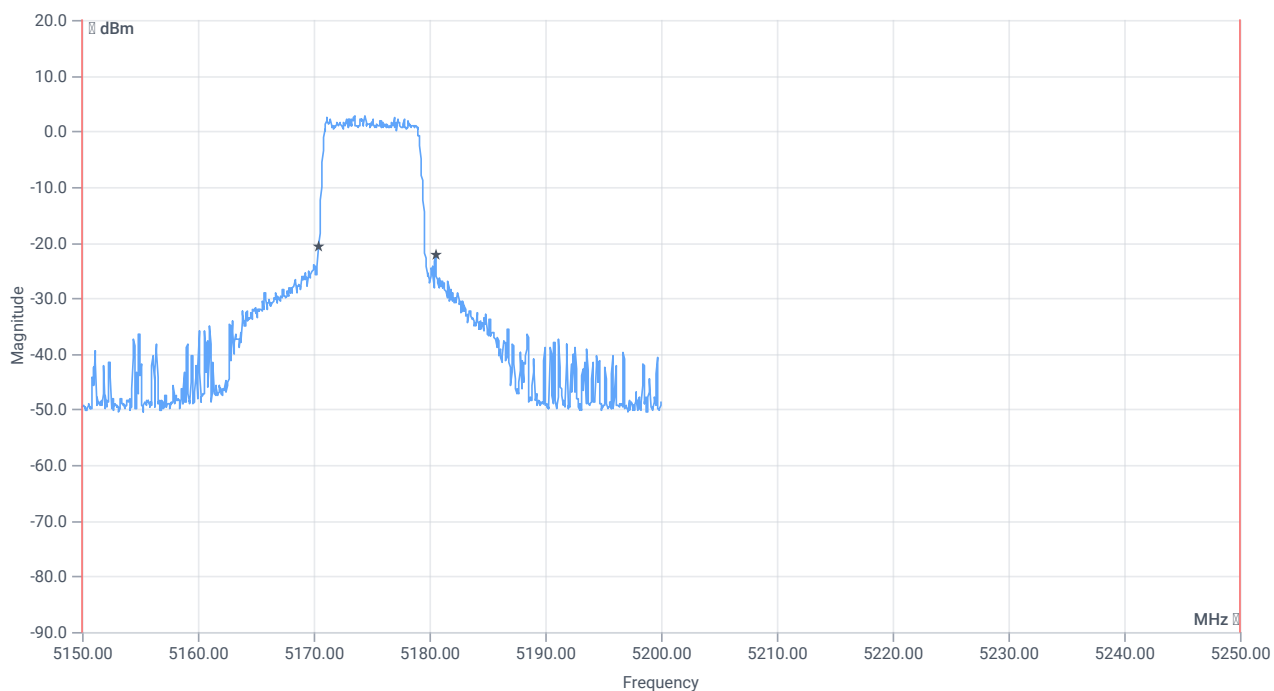
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5150.000000	---	5170.8042	MHz	PASS
T2 99%	---	5250.000000	5179.2458	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	10.1	MHz	INFO
T1 26dB	5150.000000	---	5170.4000	MHz	PASS
T2 26dB	---	5250.000000	5180.5000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:28:48
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 11:28:51
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5200 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 11:29:13
Ambit temp (test rack) [°C] humidity [rel%]	25.0 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5215 MHz

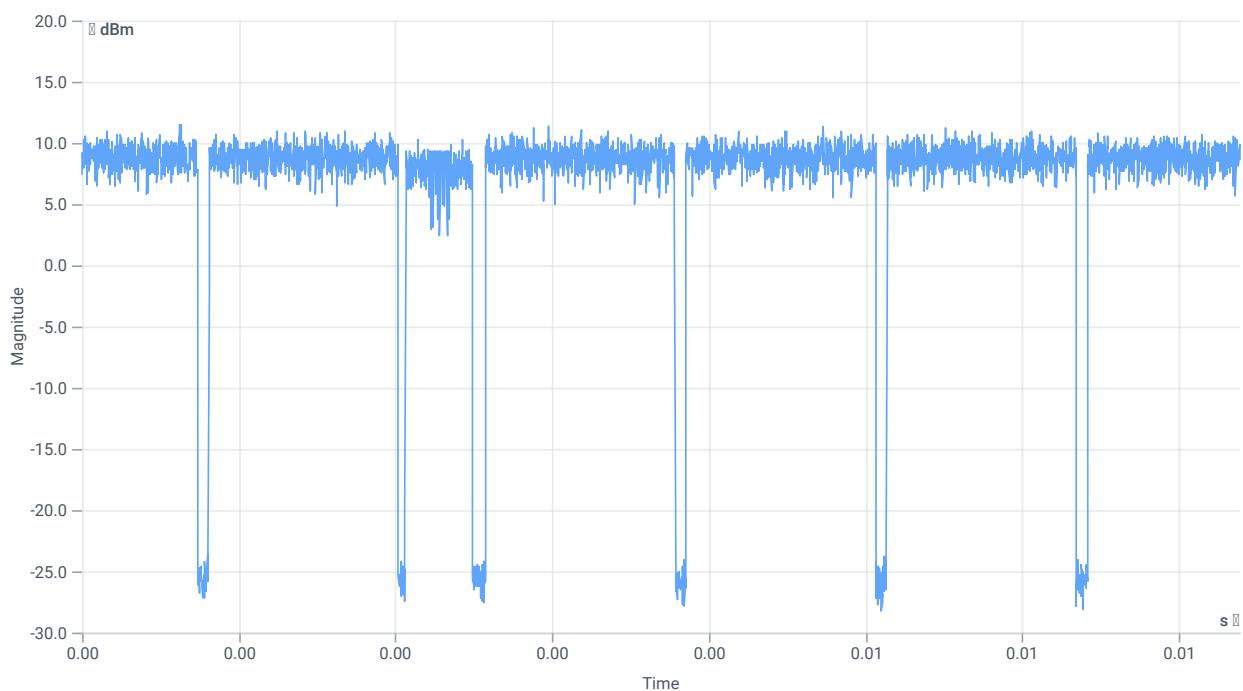
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.79	dBm	INFO
Ref. frequency	---	---	5212.600	MHz	INFO

Evaluation max. duty cycle

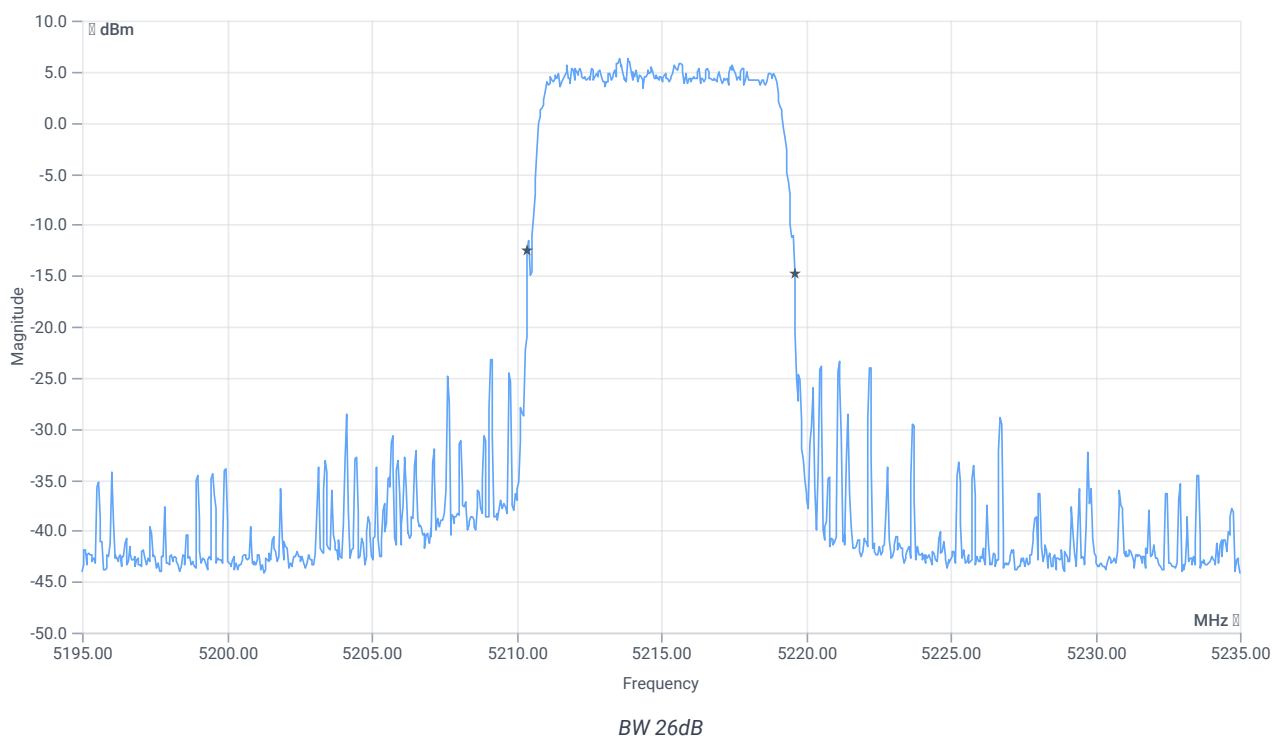
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.89	dB	INFO
Estimated ON level	---	---	9.89	dBm	INFO
Estimated noise floor	---	---	7	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



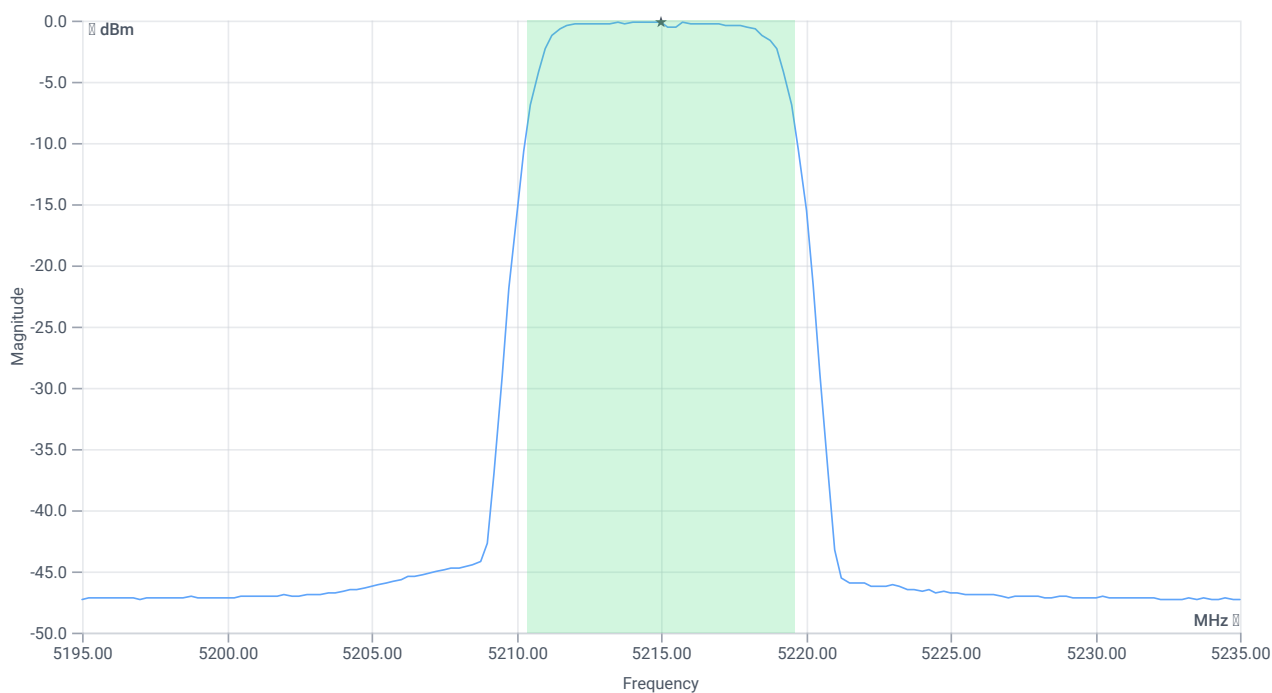
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.2	MHz	INFO
T1 26dB	---	---	5210.4000	MHz	INFO
T2 26dB	---	---	5219.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.79 14.49 25
Start [MHz] Stop [MHz]	5195.000 5235.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	8.53	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	8.53	dBm	PASS
LIMIT: 11 dBm + 10 log 9.2					
Max output power DC corrected cond	---	N/A	8.53	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.17	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.17	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:29:47
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5215 MHz

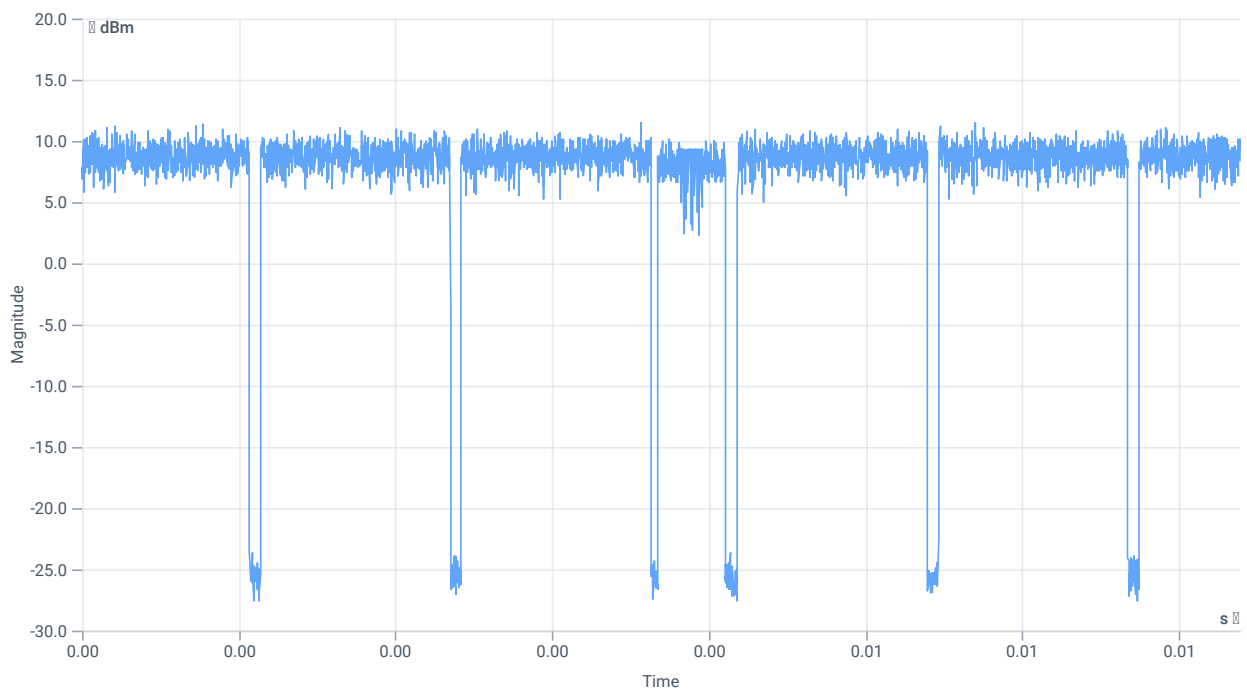
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.38	dBm	INFO
Ref. frequency	---	---	5214.400	MHz	INFO

Evaluation max. duty cycle

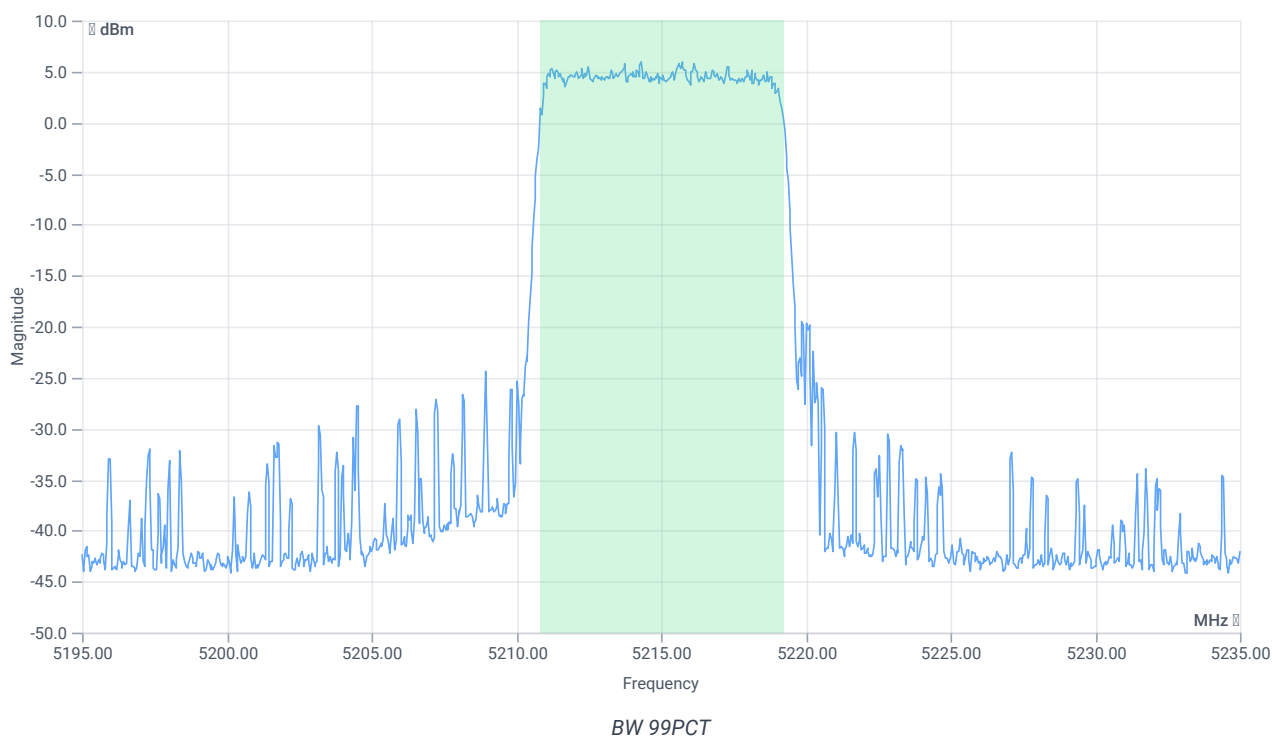
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.9	dB	INFO
Estimated ON level	---	---	9.92	dBm	INFO
Estimated noise floor	---	---	7.02	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5210.8042	MHz	INFO
T2 99%	---	---	5219.2358	MHz	INFO

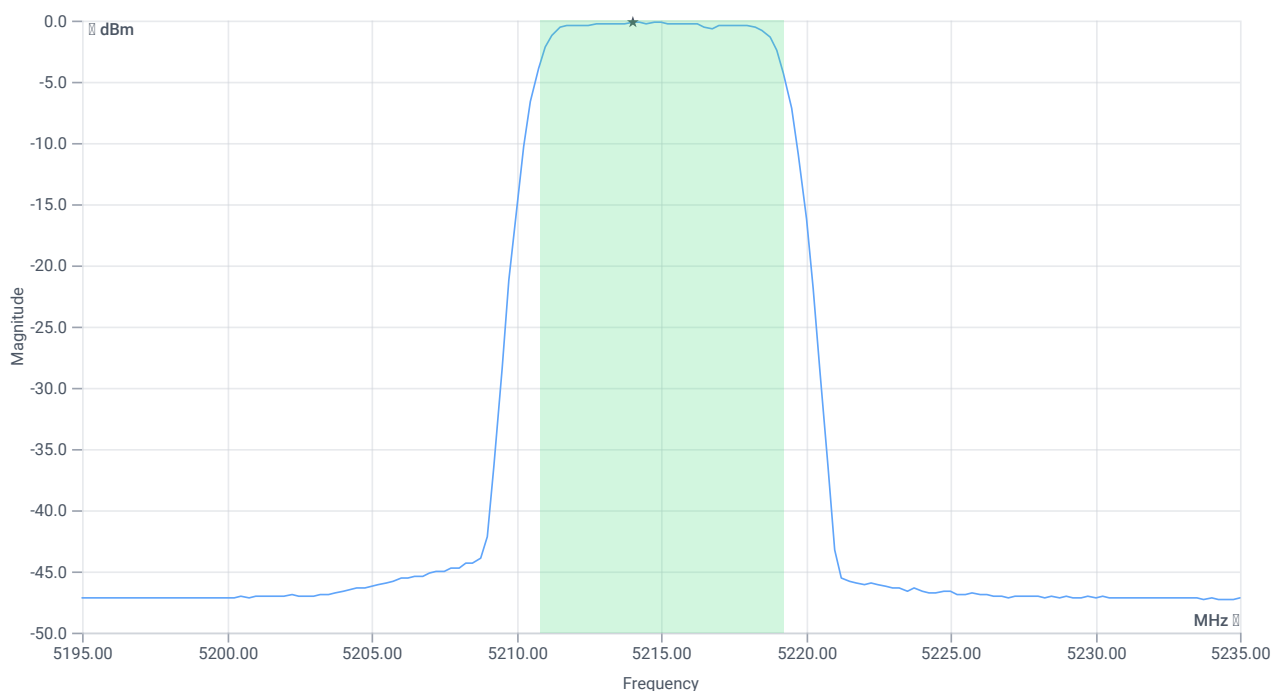
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5215 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.38 14.49 25
Start [MHz] Stop [MHz]	5195.000 5235.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	8.41	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
Max output power DC corrected cond	---	---	8.41	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	11.17	dBm	PASS
LIMIT: 10 dBm + 10 log 8.432					
Max output power DC corrected eirp	---	19.26	11.17	dBm	PASS
Power spectral density eirp	---	---	2.59	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	2.59	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	8.41	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:30:22
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

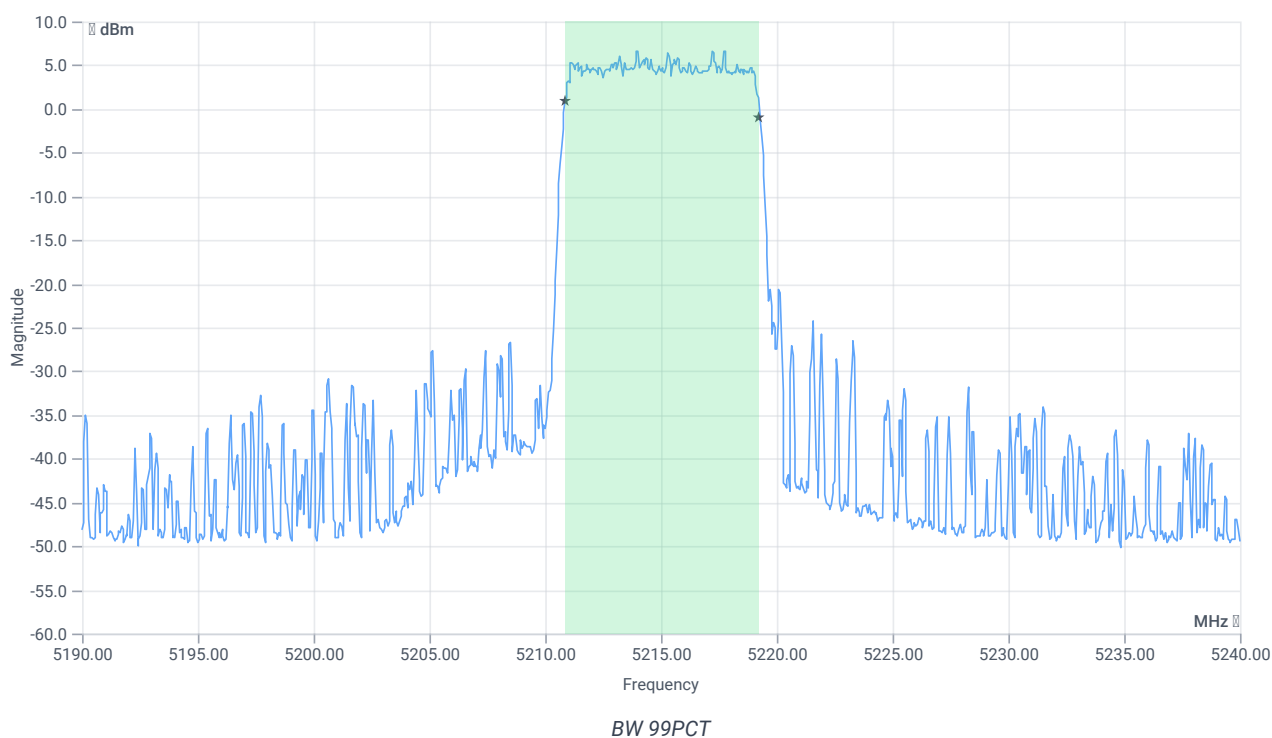
Test at TX 5215 MHz

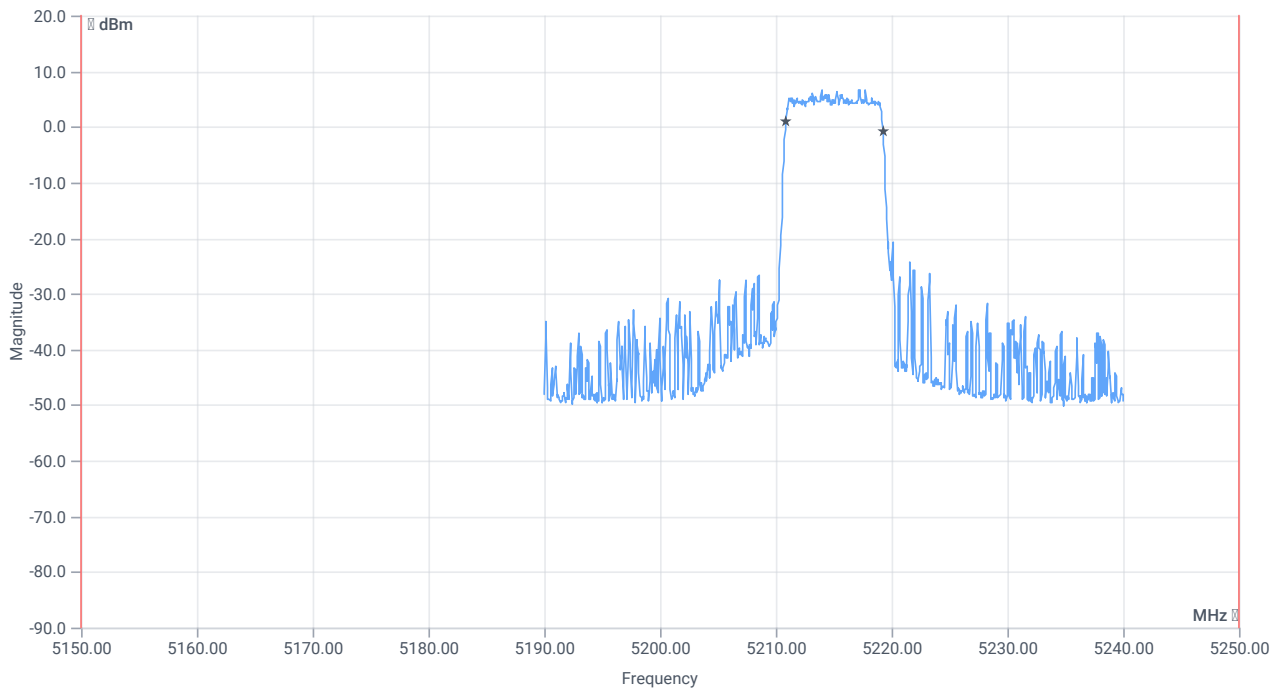
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.43	dBm	INFO
Ref. frequency	---	---	5211.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.43 14.49 20
Start [MHz] Stop [MHz]	5190.000 5240.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

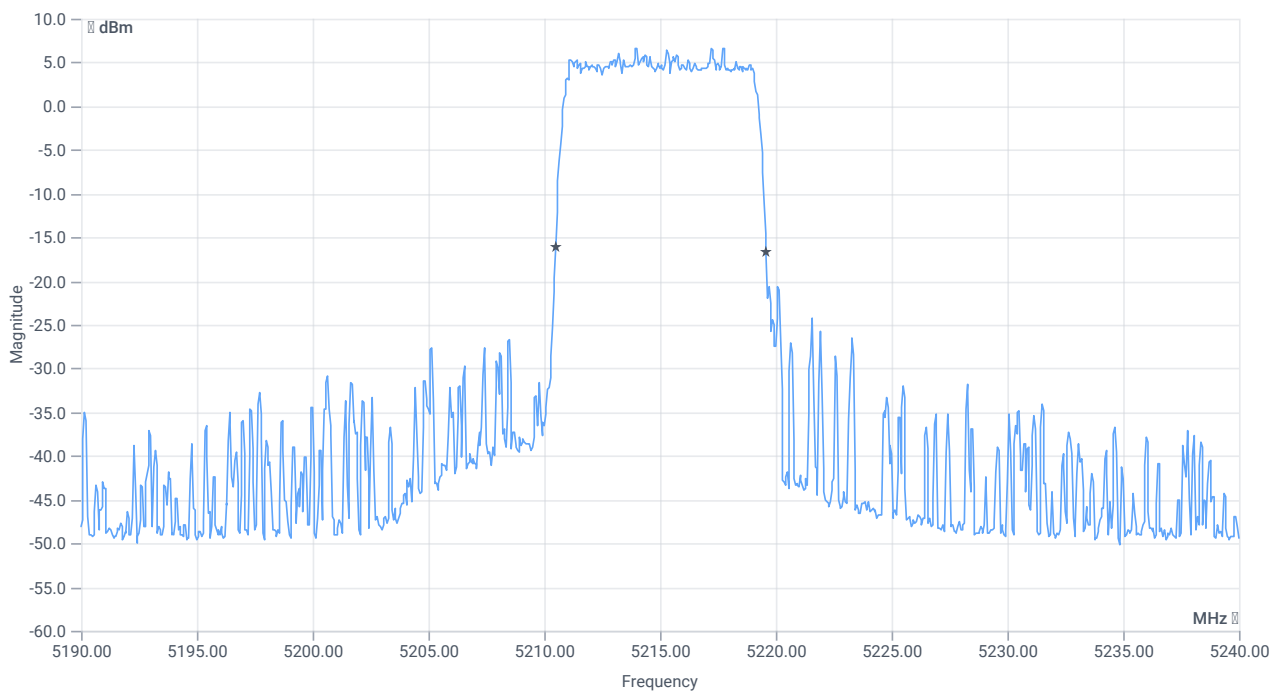




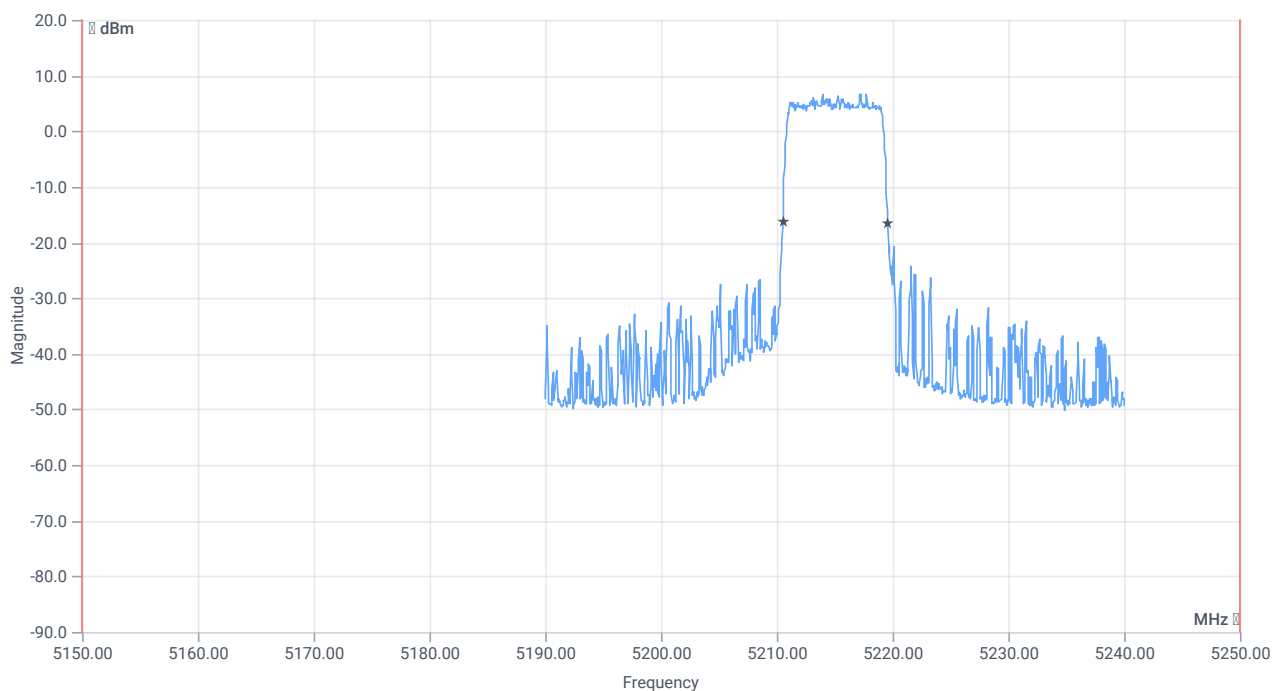
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	5150.000000	---	5210.8541	MHz	PASS
T2 99%	---	5250.000000	5219.2458	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.1	MHz	INFO
T1 26dB	5150.000000	---	5210.5000	MHz	PASS
T2 26dB	---	5250.000000	5219.6000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:30:54
Ambit temp (test rack) [°C] humidity [rel%]	25.0 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 11:30:56
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5240 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 11:33:50
Ambit temp (test rack) [°C] humidity [rel%]	25.0 39
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5245 MHz

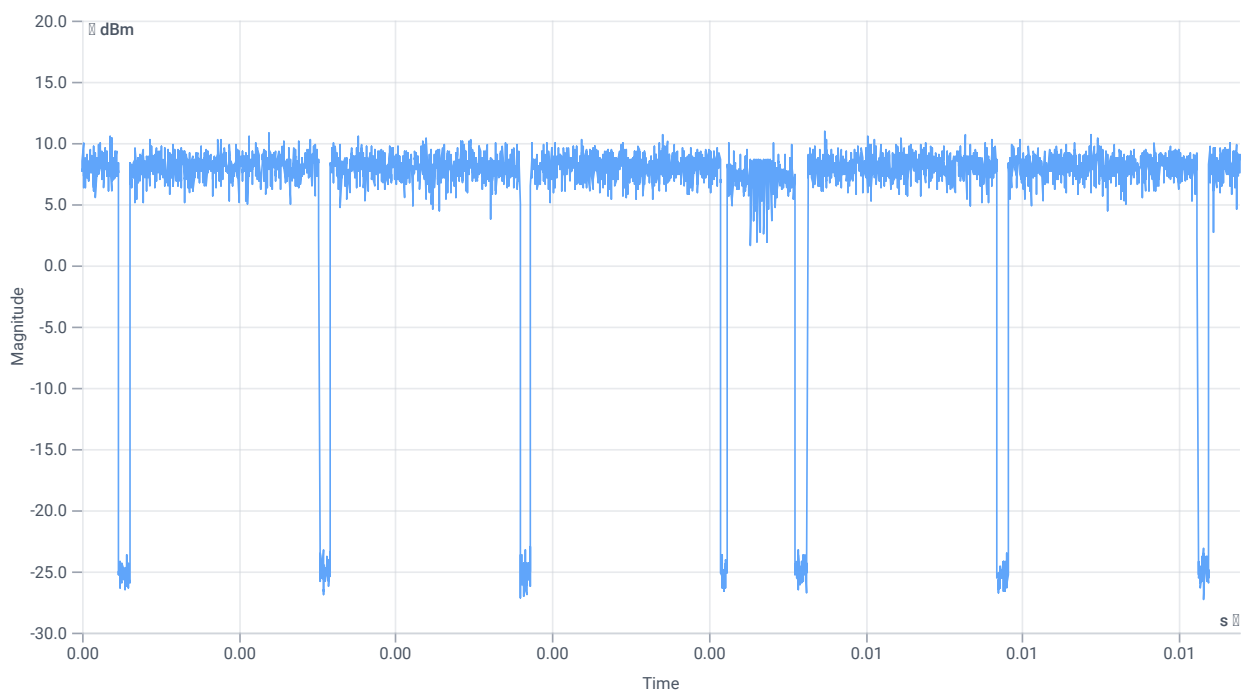
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.19	dBm	INFO
Ref. frequency	---	---	5248.000	MHz	INFO

Evaluation max. duty cycle

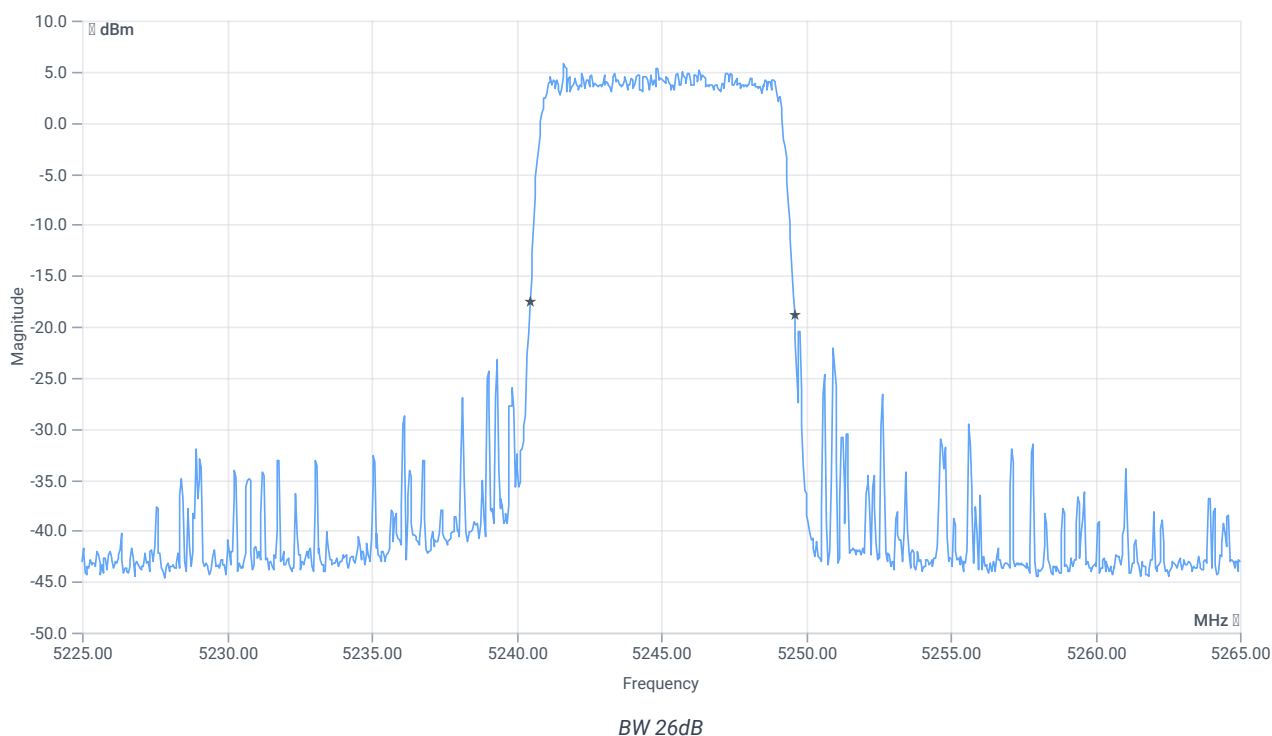
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.12	dB	INFO
Estimated ON level	---	---	9.2	dBm	INFO
Estimated noise floor	---	---	6.08	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



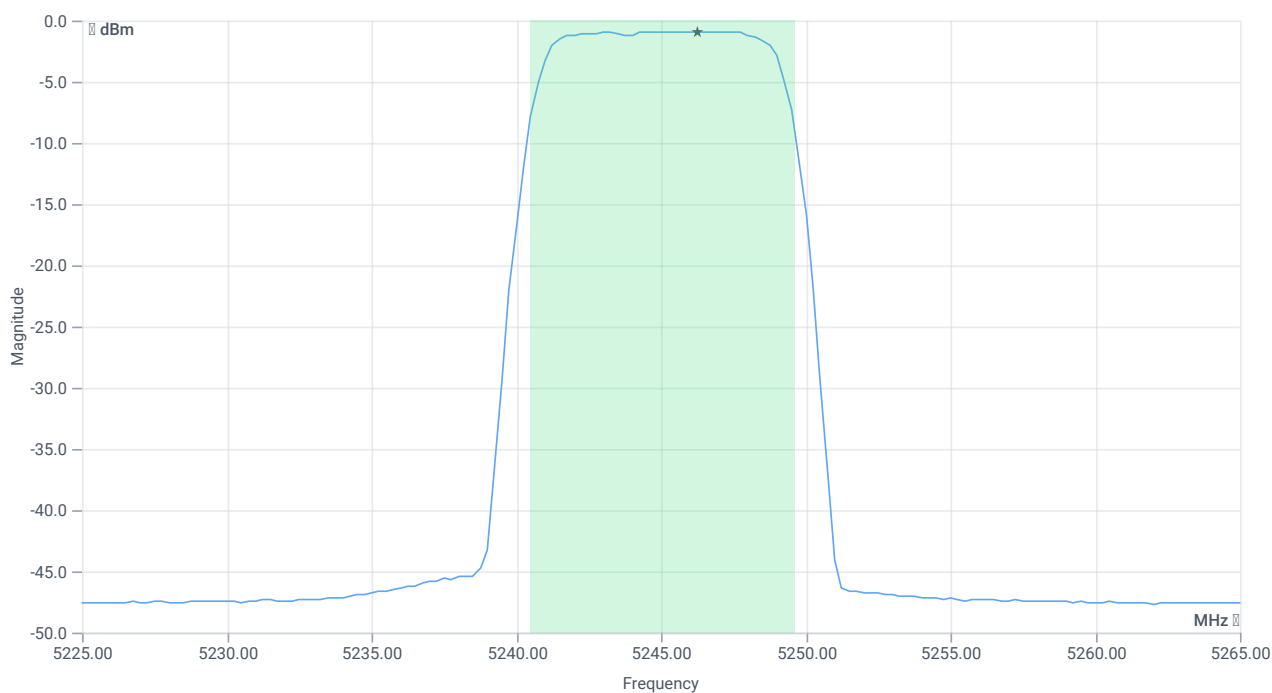
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.12	MHz	INFO
T1 26dB	---	---	5240.4800	MHz	INFO
T2 26dB	---	---	5249.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.19 14.16 25
Start [MHz] Stop [MHz]	5225.000 5265.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	7.81	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.81	dBm	PASS
LIMIT: 11 dBm + 10 log 9.12					
Max output power DC corrected cond	---	N/A	7.81	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.89	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.89	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:42:15
Ambit temp (test rack) [°C] humidity [rel%]	25.1 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5245 MHz

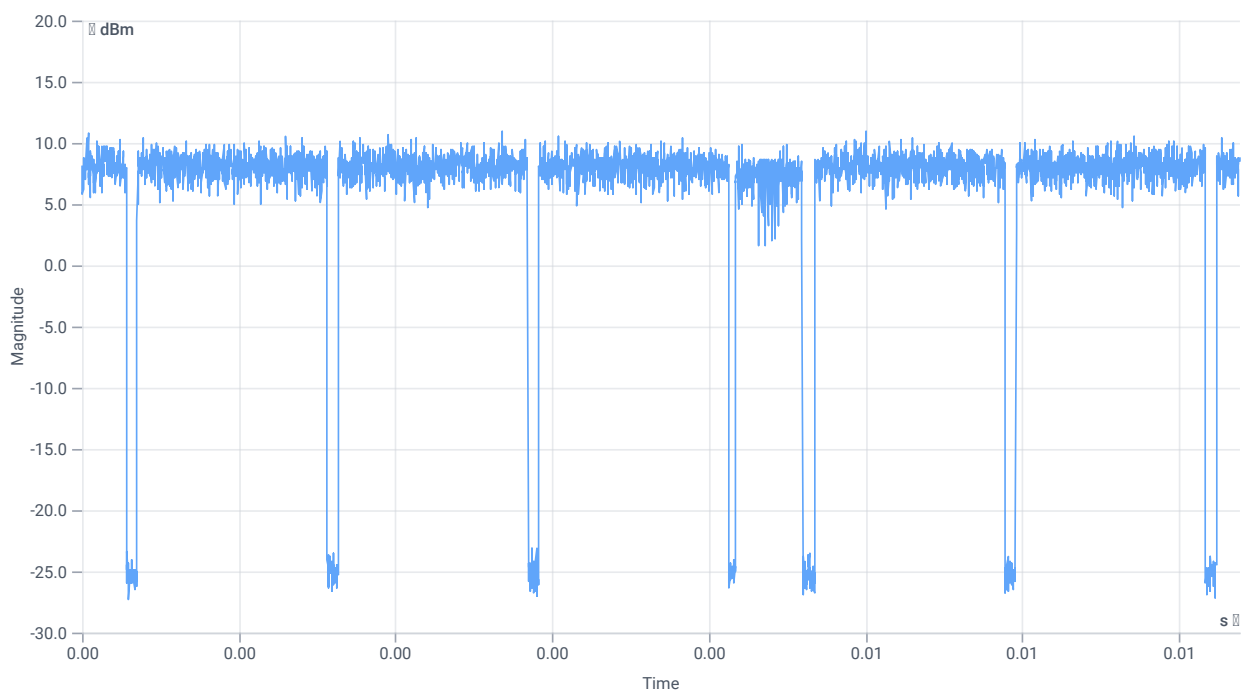
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.76	dBm	INFO
Ref. frequency	---	---	5246.200	MHz	INFO

Evaluation max. duty cycle

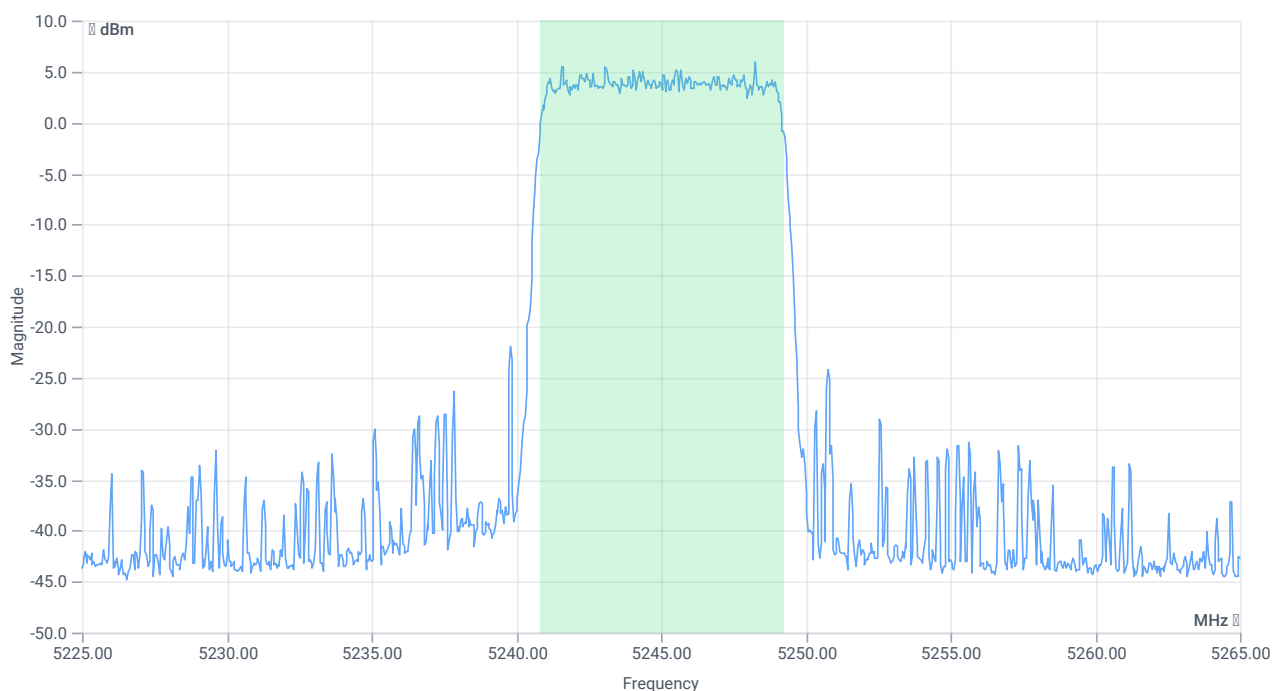
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.05	dB	INFO
Estimated ON level	---	---	9.17	dBm	INFO
Estimated noise floor	---	---	6.13	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5240.8042	MHz	INFO
T2 99%	---	---	5249.2358	MHz	INFO

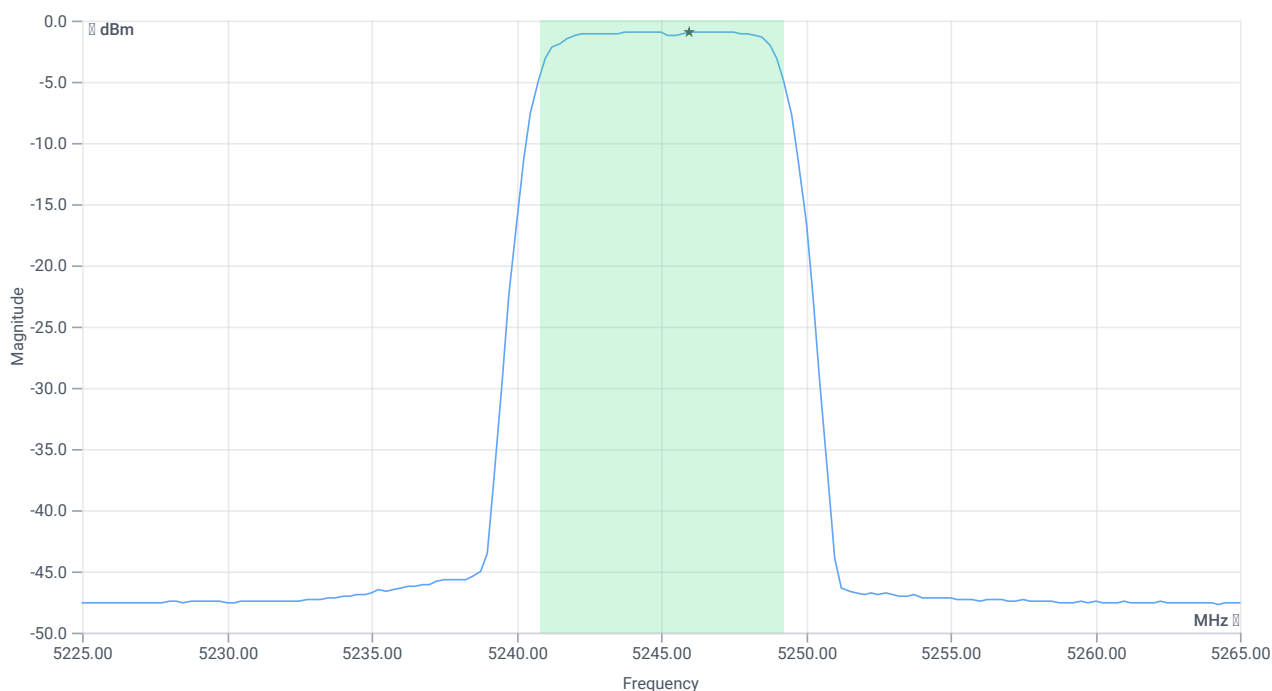
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5245 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.76 14.16 25
Start [MHz] Stop [MHz]	5225.000 5265.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	7.67	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
Max output power DC corrected cond	---	---	7.67	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	10.43	dBm	PASS
LIMIT: 10 dBm + 10 log 8.432					
Max output power DC corrected eirp	---	19.26	10.43	dBm	PASS
Power spectral density eirp	---	---	1.84	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	1.84	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	7.67	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 11:42:50
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5245 MHz

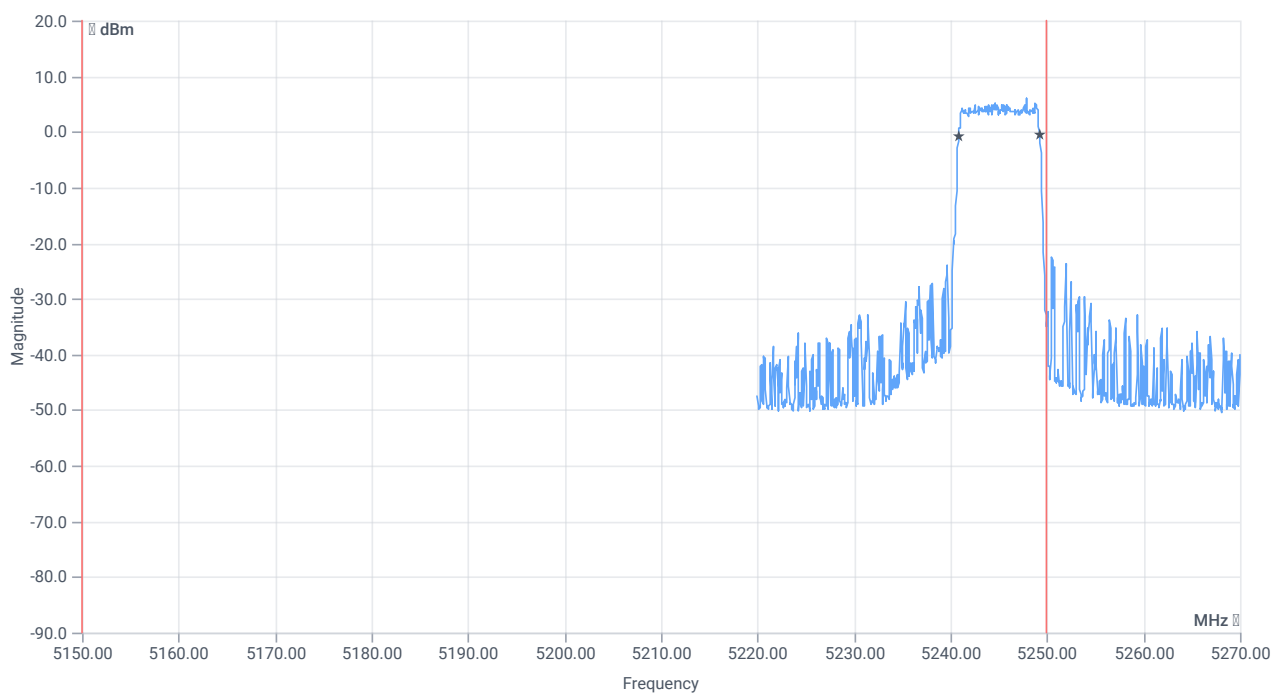
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.71	dBm	INFO
Ref. frequency	---	---	5246.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.71 14.16 20
Start [MHz] Stop [MHz]	5220.000 5270.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

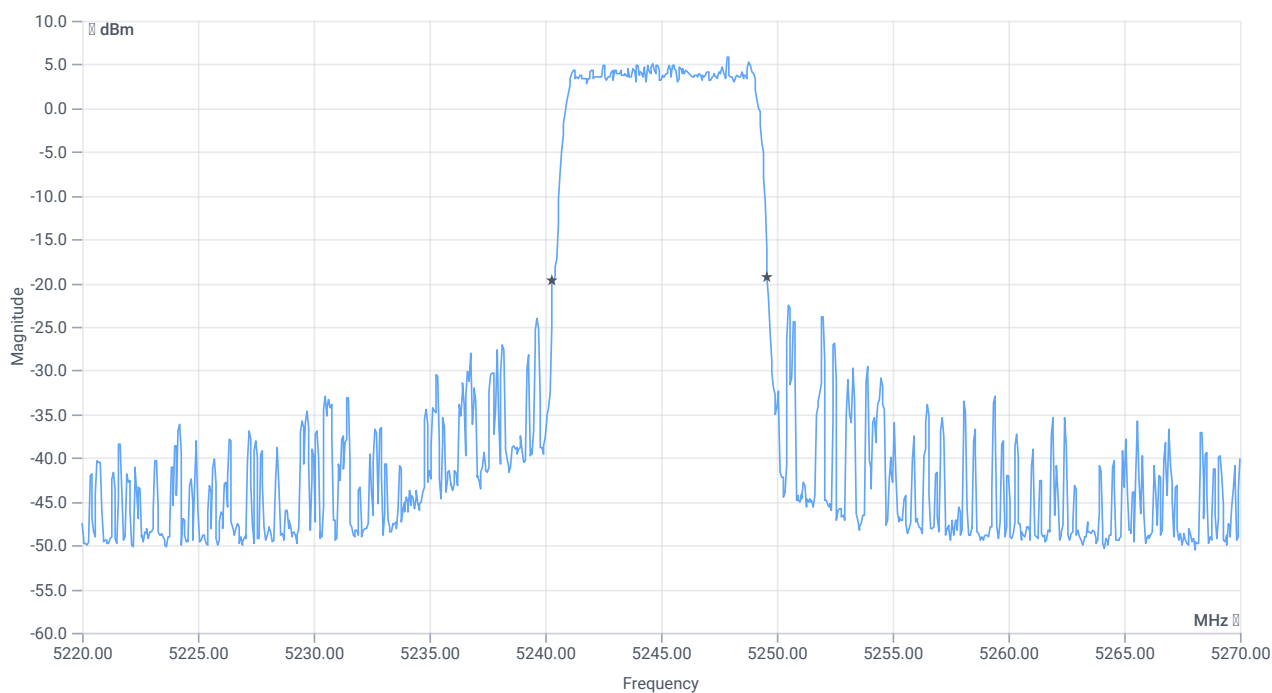




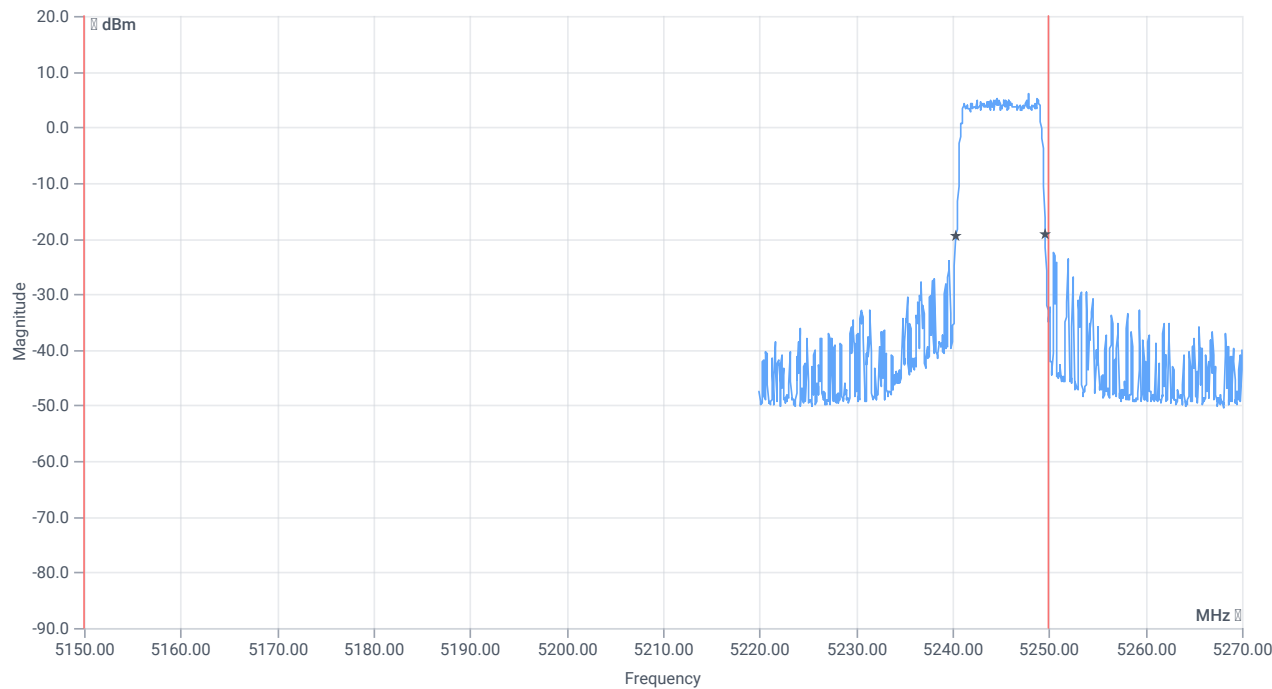
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	5150.000000	---	5240.8541	MHz	PASS
T2 99%	---	5250.000000	5249.2458	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.3	MHz	INFO
T1 26dB	5150.000000	---	5240.3000	MHz	PASS
T2 26dB	---	5250.000000	5249.6000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:43:22
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 11:43:25
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5745 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 11:52:08
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5730 MHz

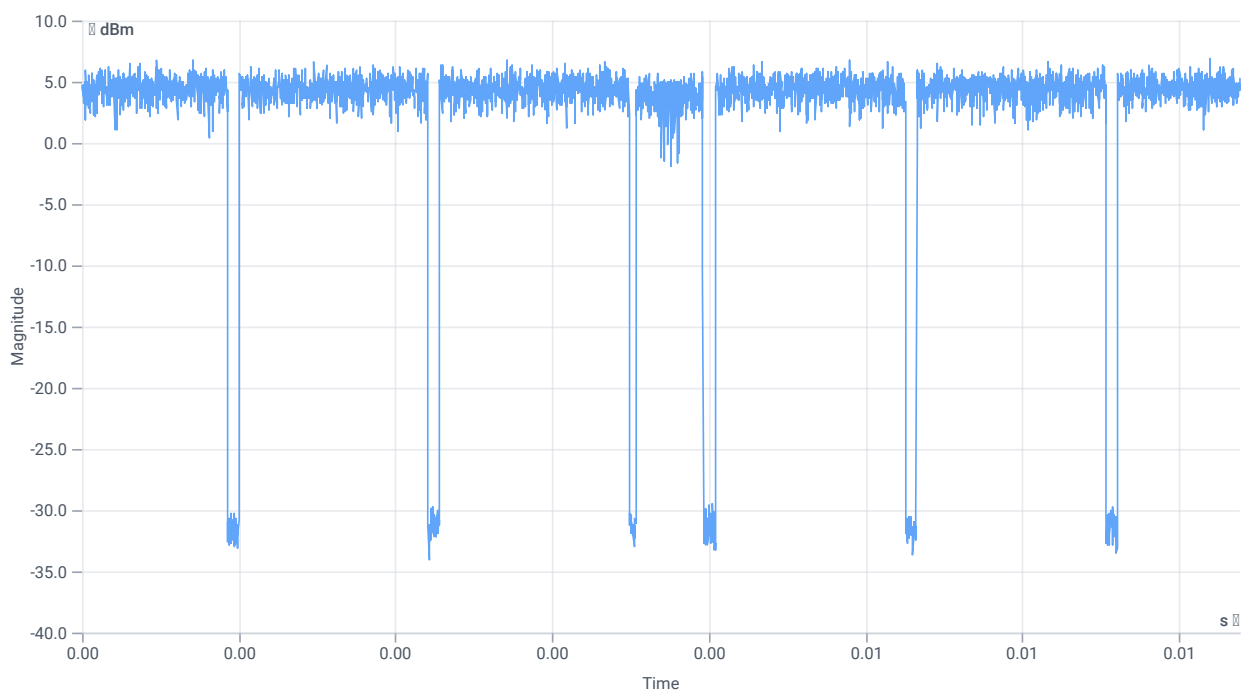
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.65	dBm	INFO
Ref. frequency	---	---	5727.200	MHz	INFO

Evaluation max. duty cycle

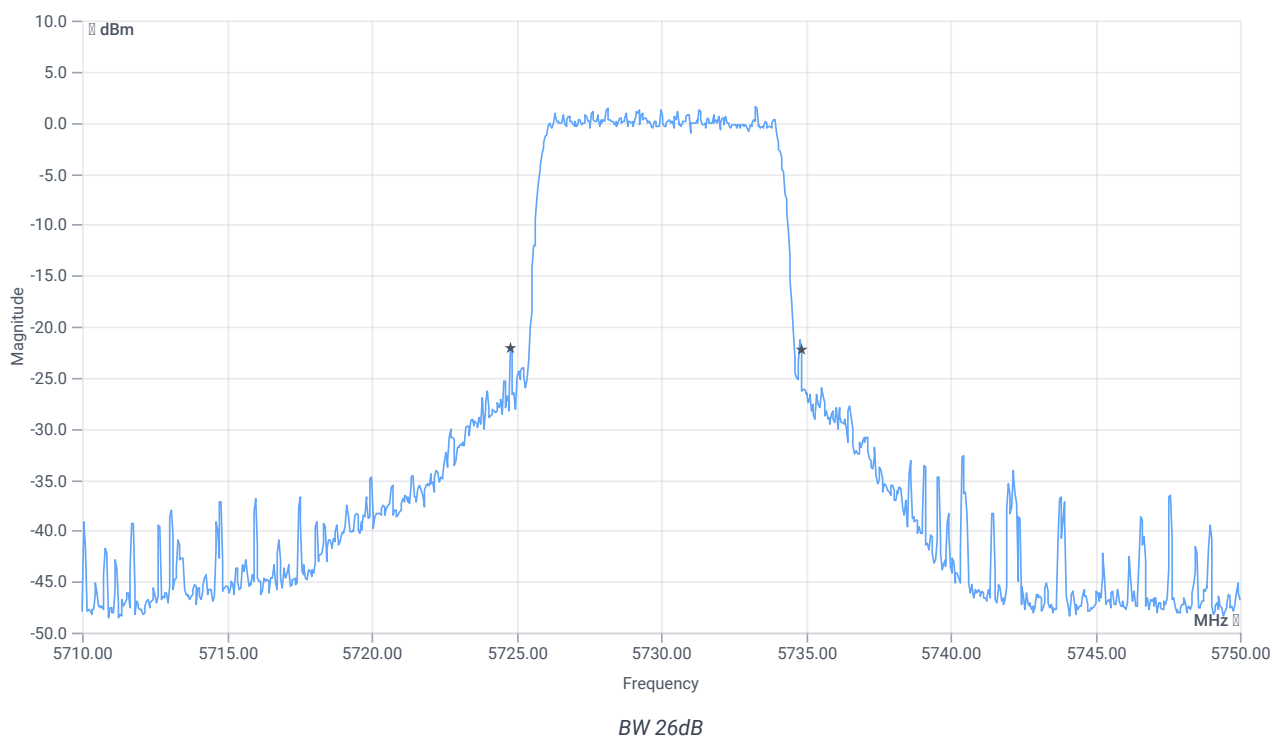
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.86	dB	INFO
Estimated ON level	---	---	5.49	dBm	INFO
Estimated noise floor	---	---	2.62	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



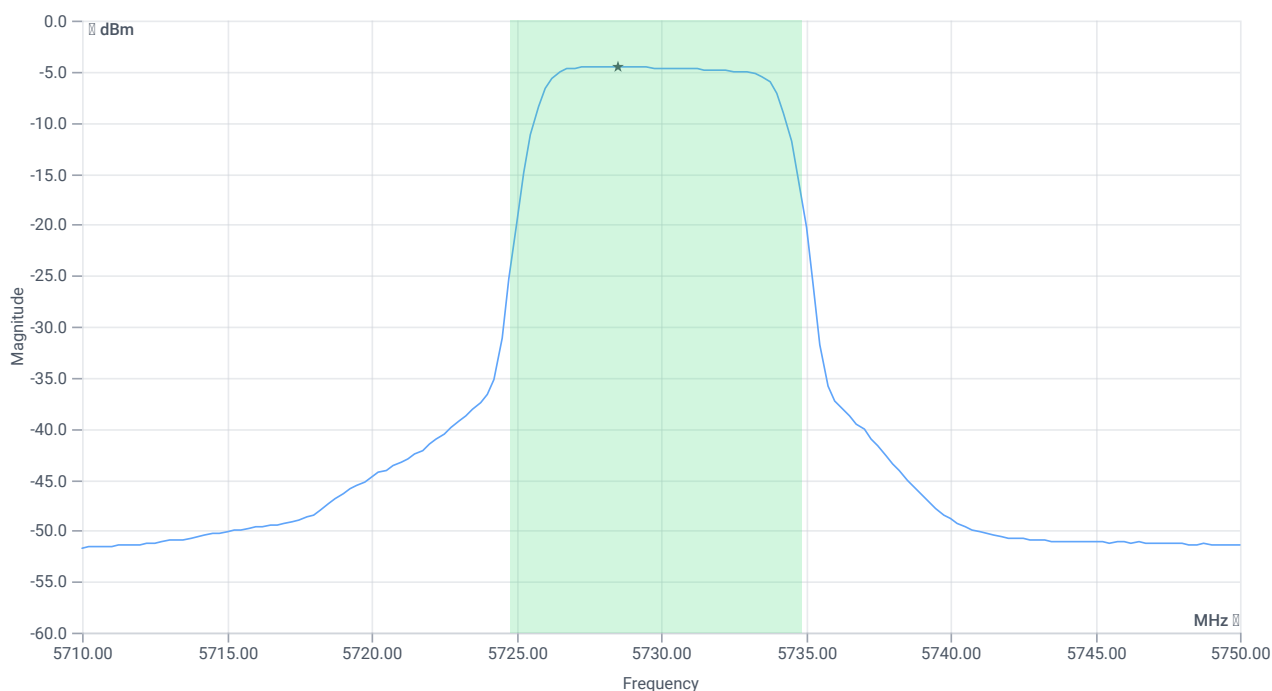
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	10.04	MHz	INFO
T1 26dB	---	---	5724.8000	MHz	INFO
T2 26dB	---	---	5734.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.65 14.55 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

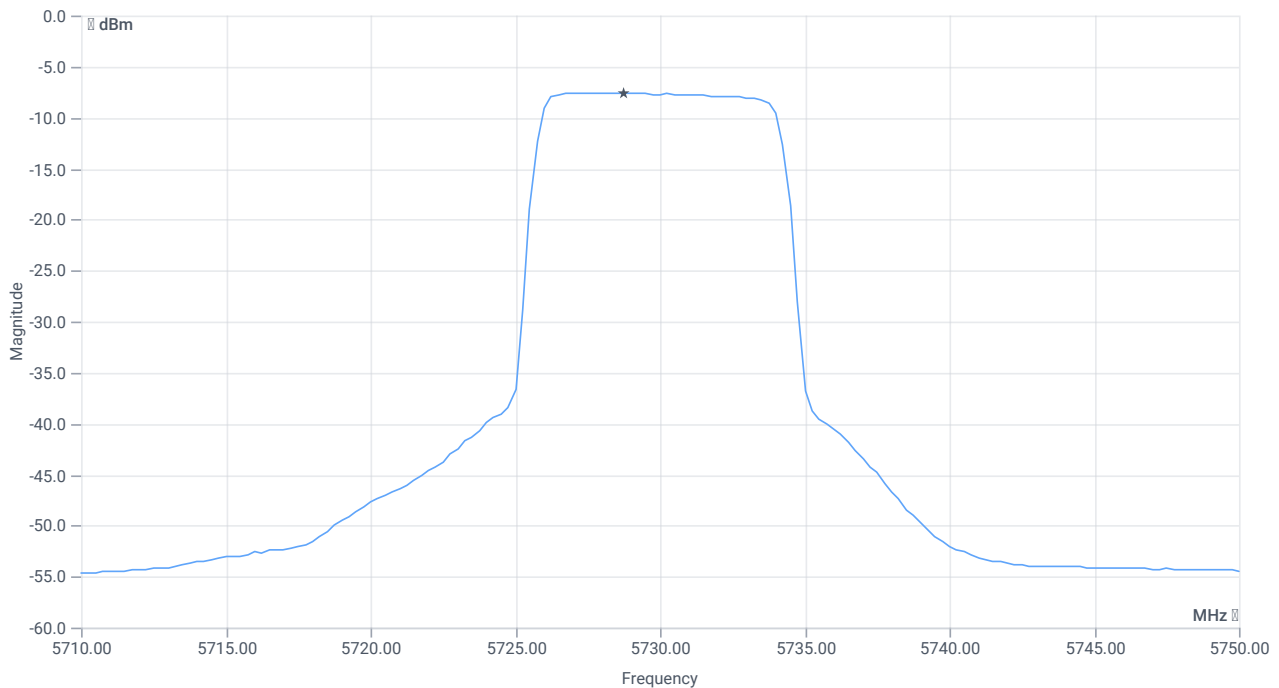
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	4.13	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	4.13	dBm	PASS
LIMIT: 11 dBm + 10 log 10.04					
Max output power DC corrected cond	---	N/A	4.13	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.65 14.55 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-7.6	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.6	dBm/0.5MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:52:47
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5730 MHz

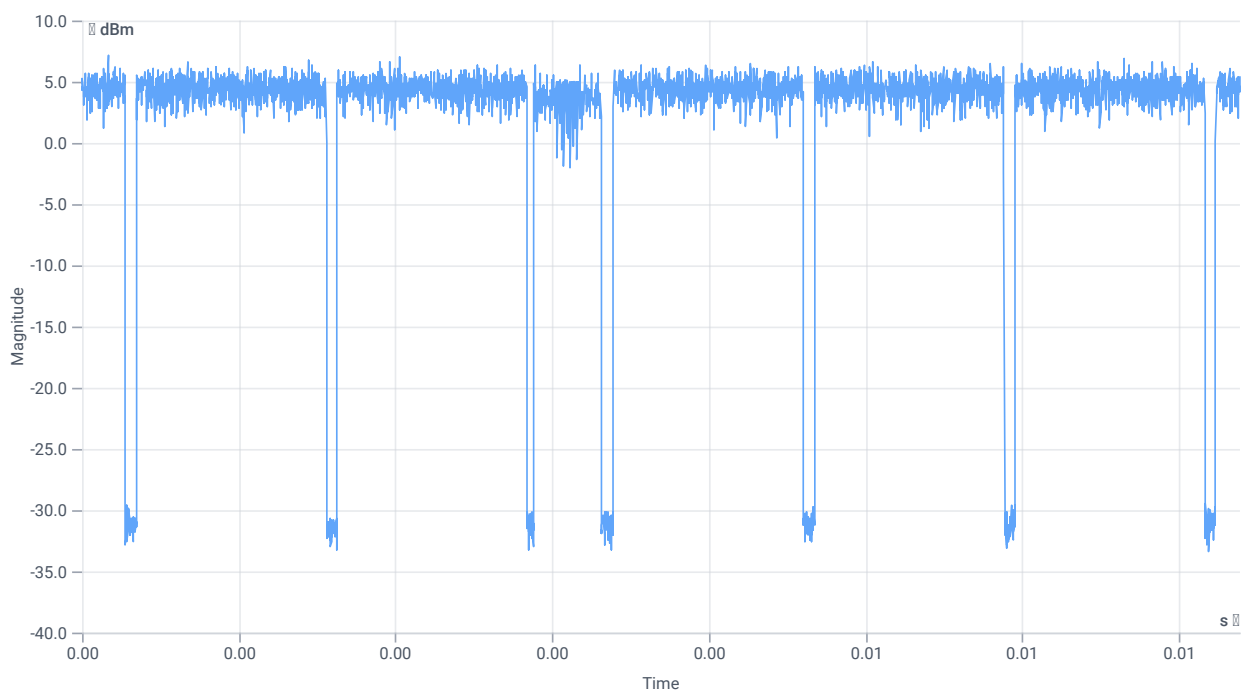
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.09	dBm	INFO
Ref. frequency	---	---	5727.000	MHz	INFO

Evaluation max. duty cycle

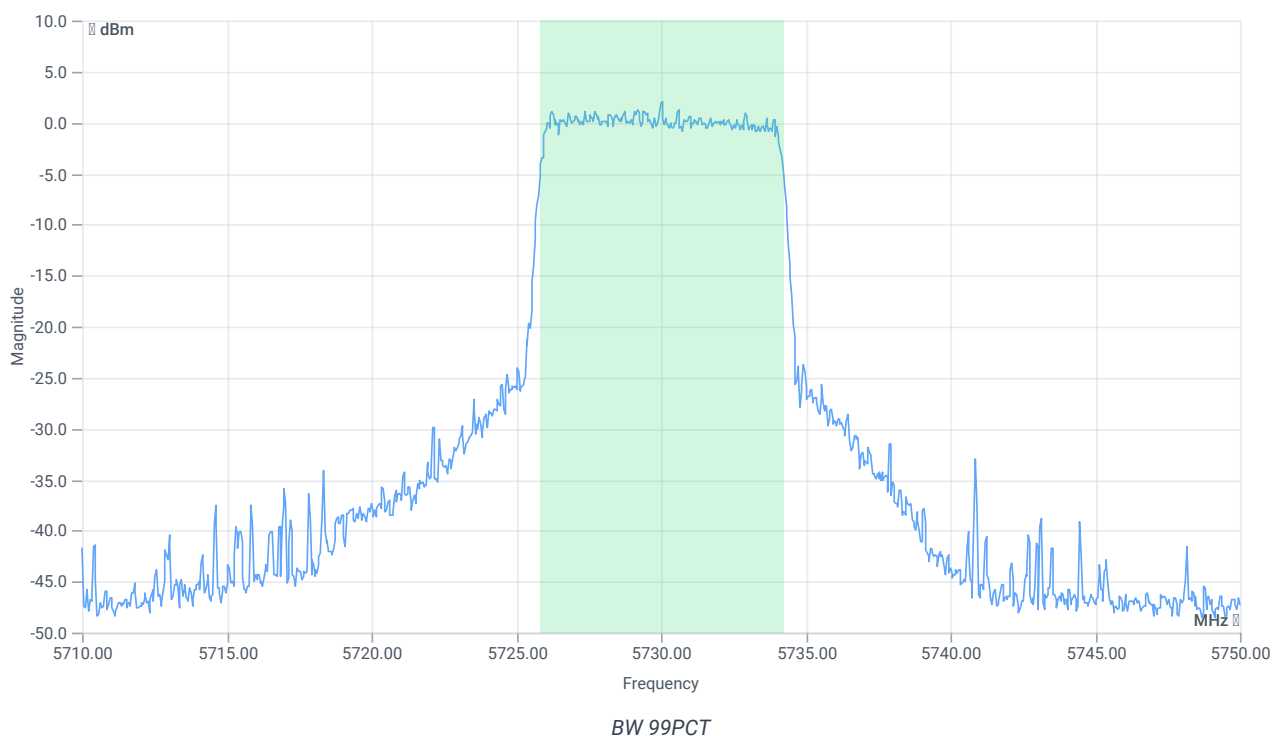
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.02	dB	INFO
Estimated ON level	---	---	5.48	dBm	INFO
Estimated noise floor	---	---	2.45	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5725.8042	MHz	INFO
T2 99%	---	---	5734.2358	MHz	INFO

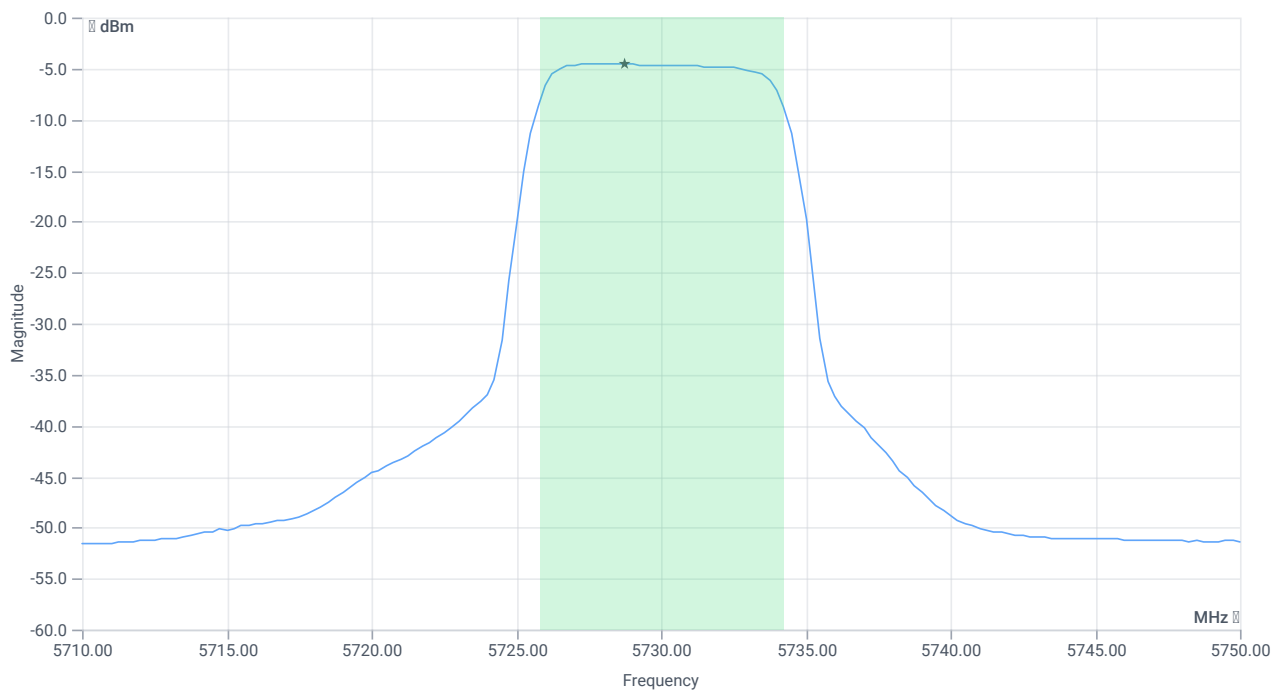
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.45 @ 5730 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.09 14.55 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



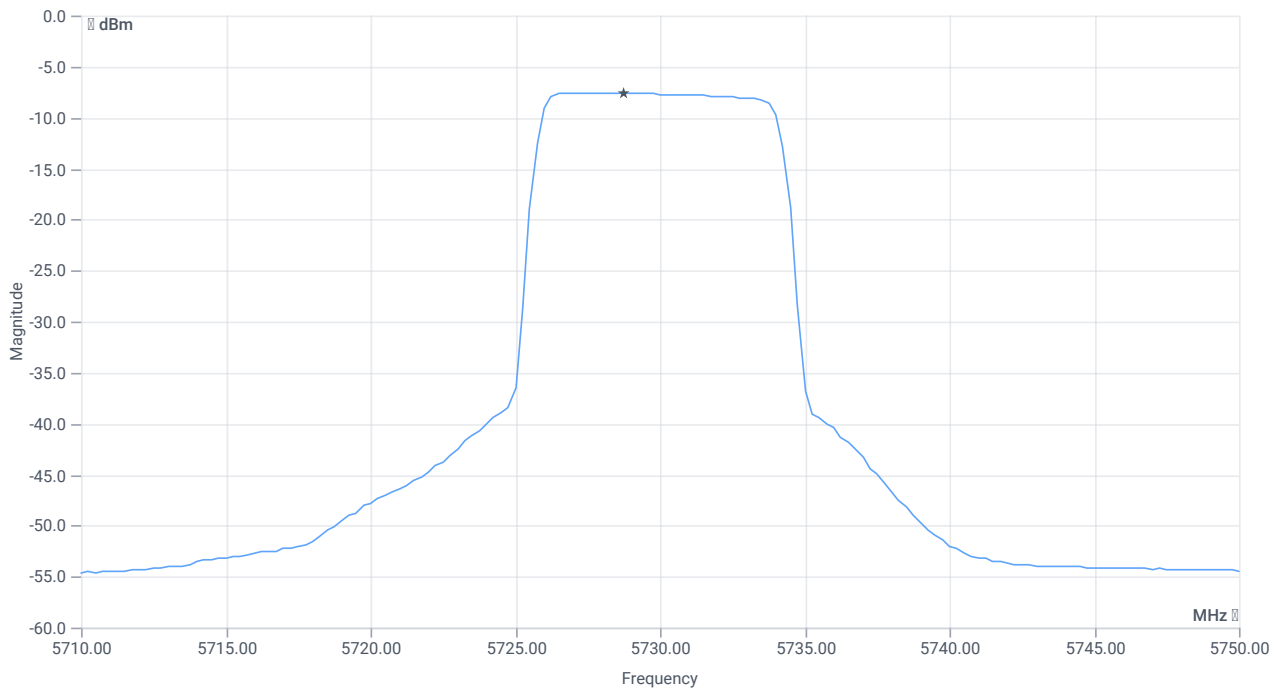
Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	3.97	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	3.97	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	6.42	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.09 14.55 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



PSD UNII-3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-7.59	dBm/0.5MHz	INFO
Power spectral density DC corrected cond	---	30	-7.59	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:53:26
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

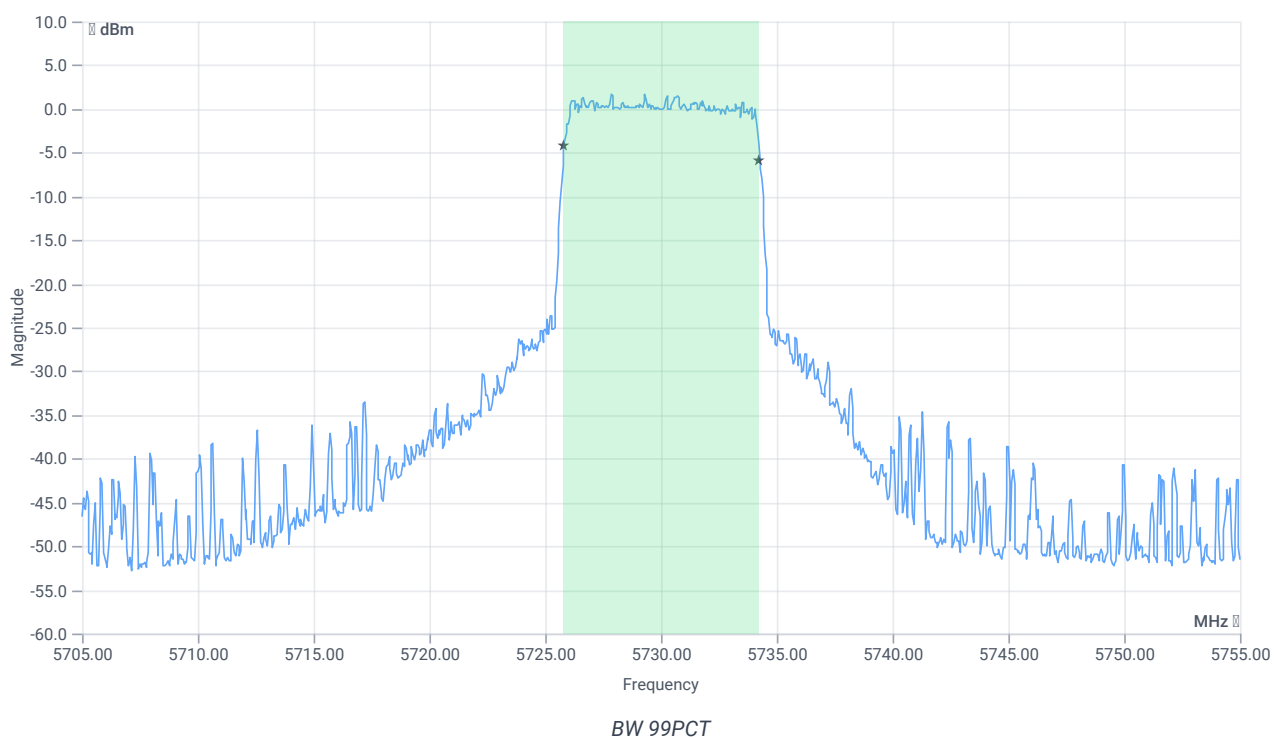
Test at TX 5730 MHz

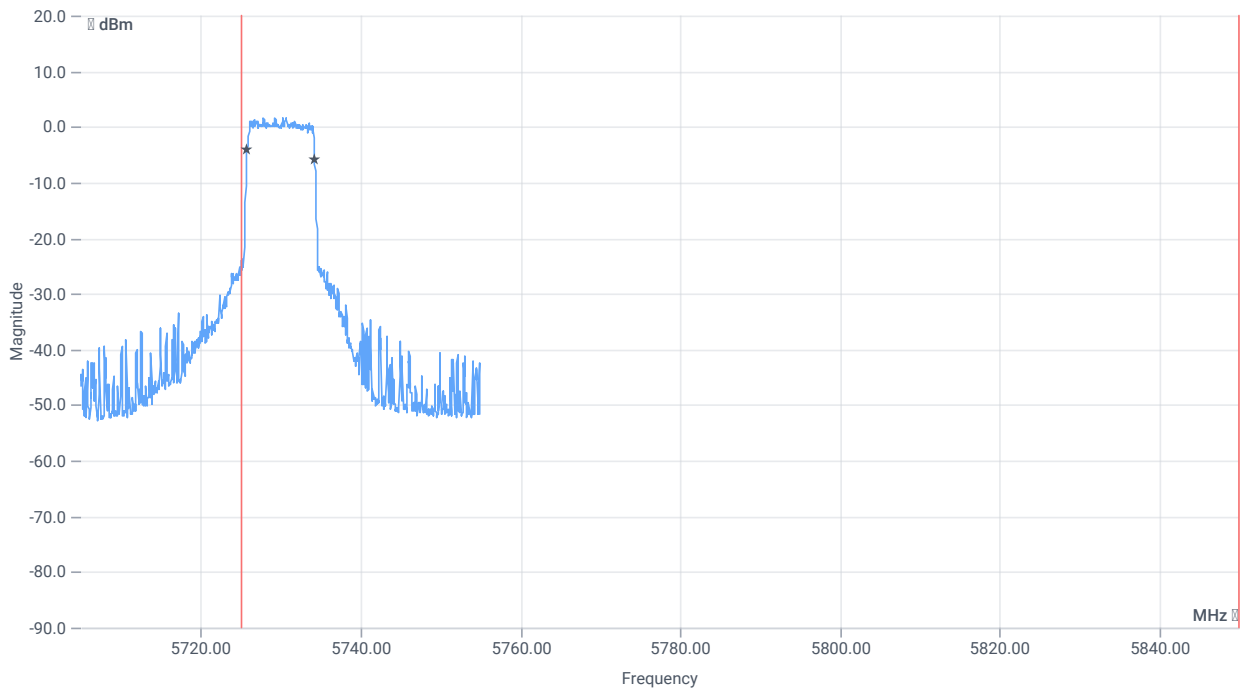
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.03	dBm	INFO
Ref. frequency	---	---	5728.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.03 14.55 15
Start [MHz] Stop [MHz]	5705.000 5755.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

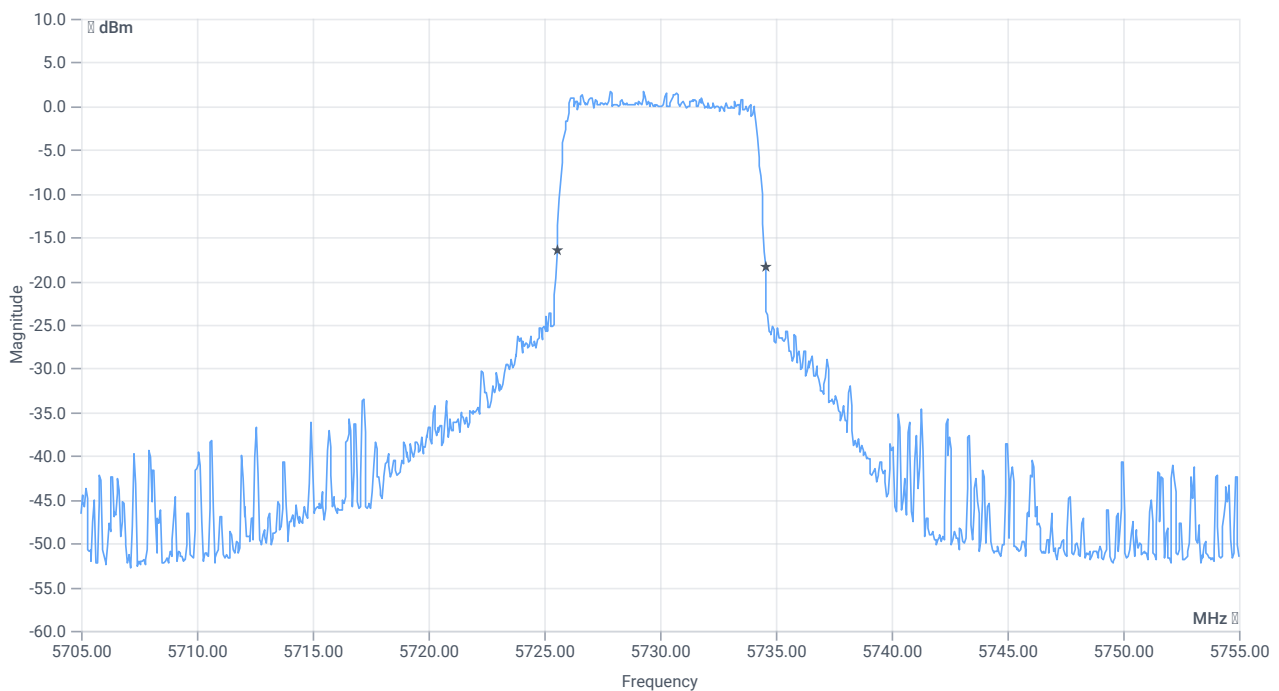




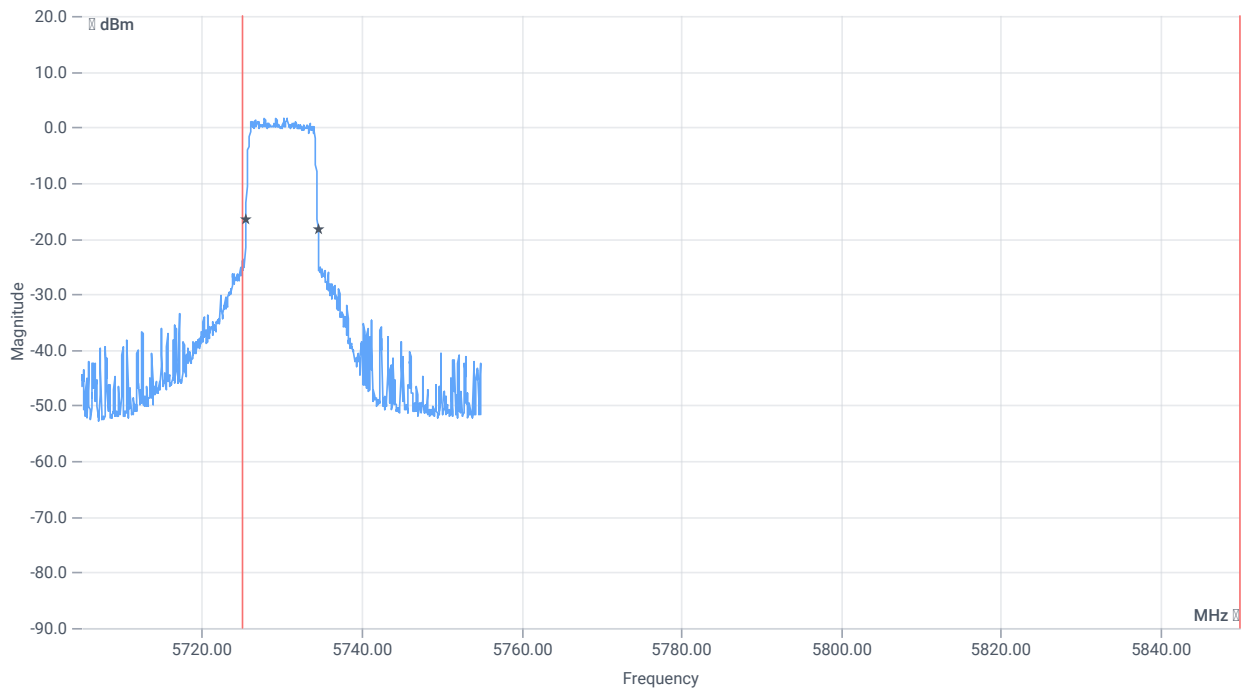
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5725.8042	MHz	PASS
T2 99%	---	5850.000000	5734.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	9	MHz	INFO
T1 20dB	5725.000000	---	5725.5500	MHz	PASS
T2 20dB	---	5850.000000	5734.5500	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 11:53:59
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

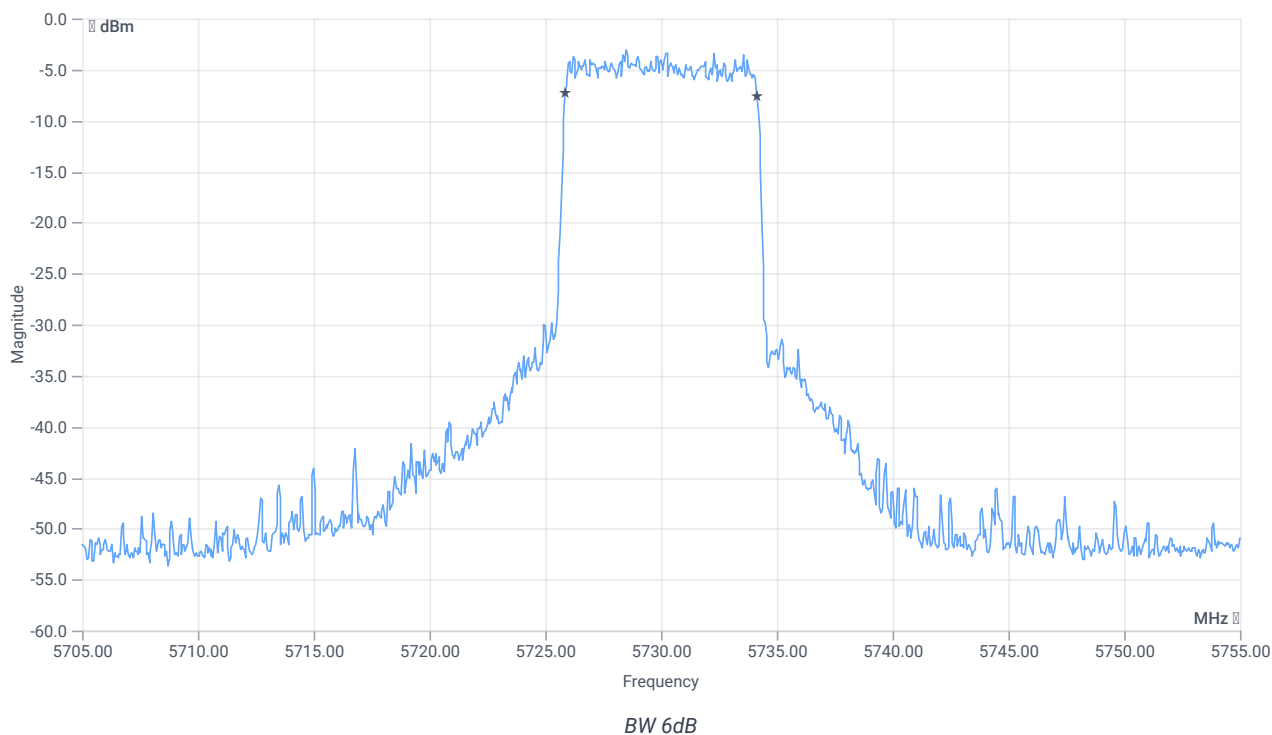
Test at TX 5730 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.53	dBm	INFO
Ref. frequency	---	---	5728.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.53 14.55 20
Start [MHz] Stop [MHz]	5705.000 5755.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.3	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 11:54:43
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5730 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

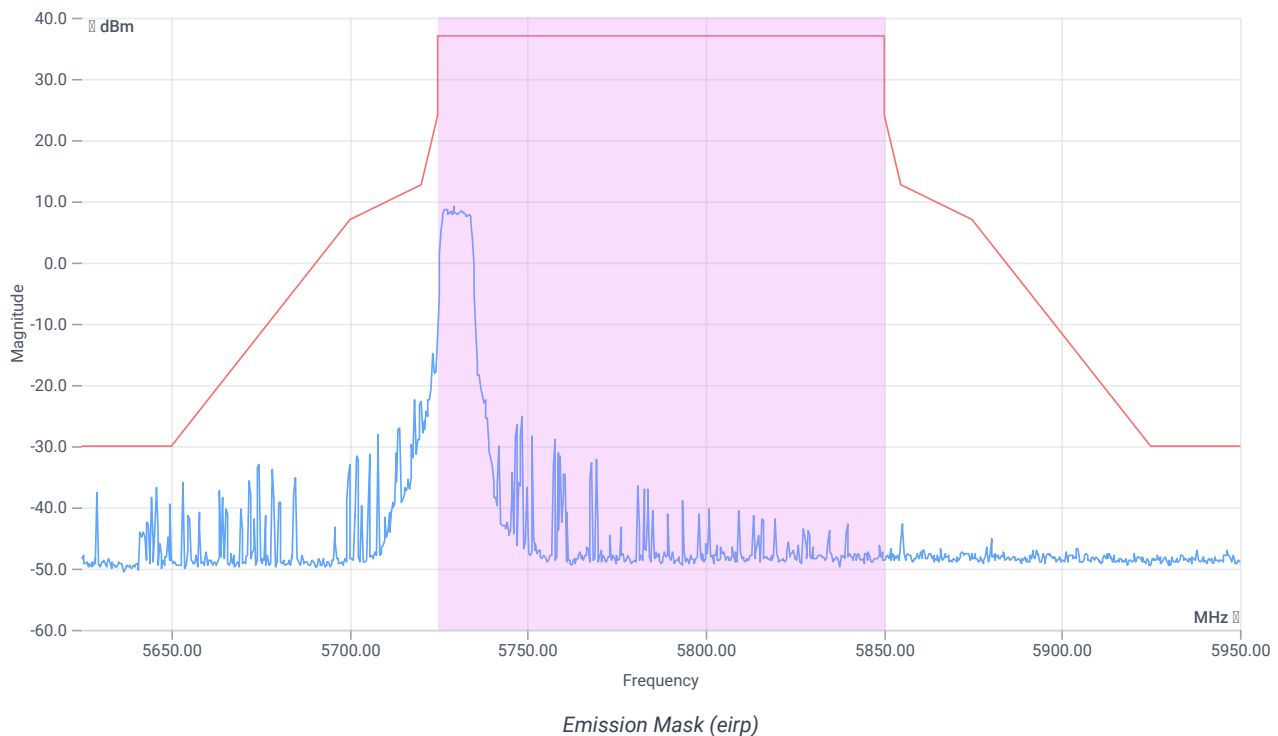
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.59	dBm	INFO
Ref. frequency	---	---	5728.000	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
--------------------------------	---

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.60 14.55 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
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken					
Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 65 of 213					

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:55:23
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 11:55:25
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5785 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 11:57:17
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5775 MHz

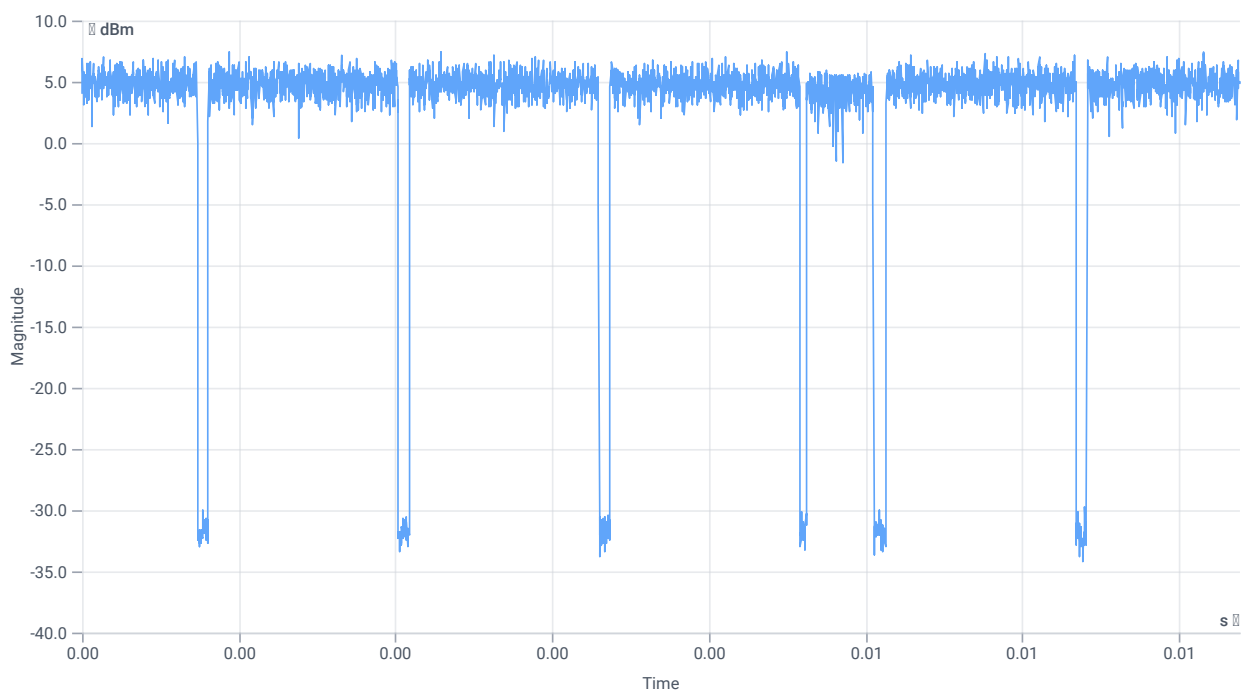
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.36	dBm	INFO
Ref. frequency	---	---	5772.400	MHz	INFO

Evaluation max. duty cycle

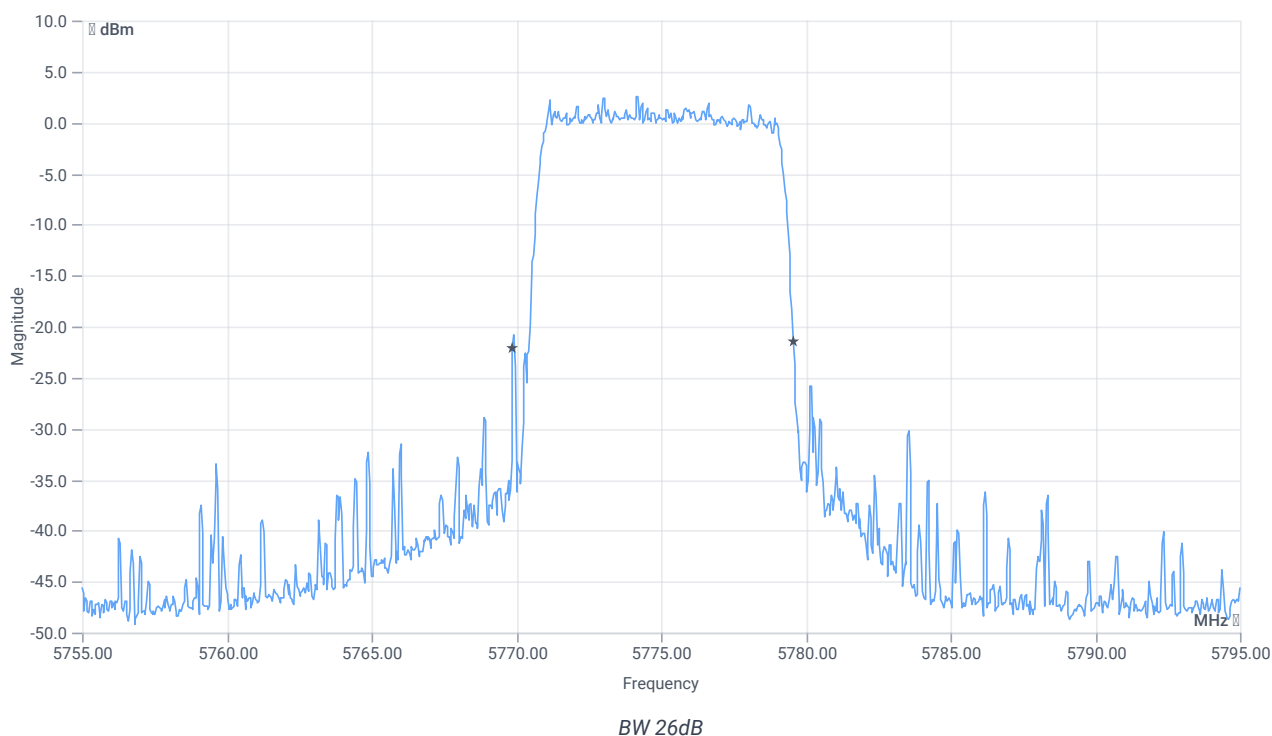
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.91	dB	INFO
Estimated ON level	---	---	5.95	dBm	INFO
Estimated noise floor	---	---	3.03	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



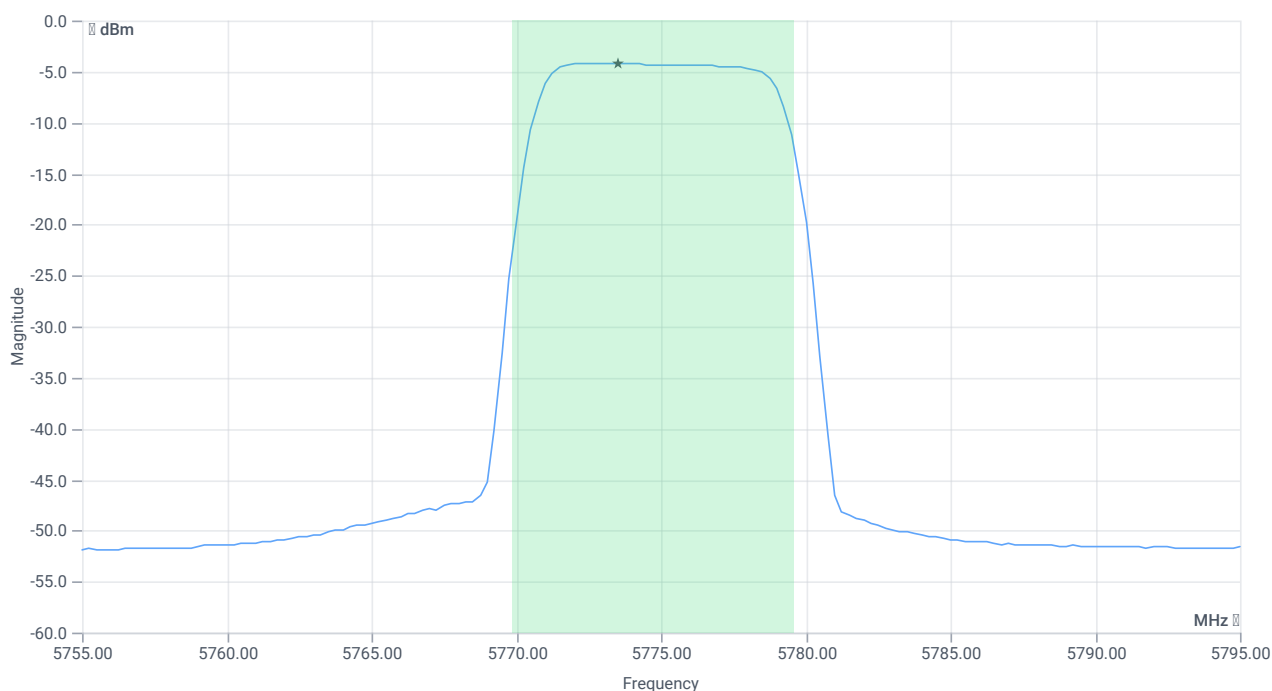
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.68	MHz	INFO
T1 26dB	---	---	5769.8800	MHz	INFO
T2 26dB	---	---	5779.5600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.36 14.04 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

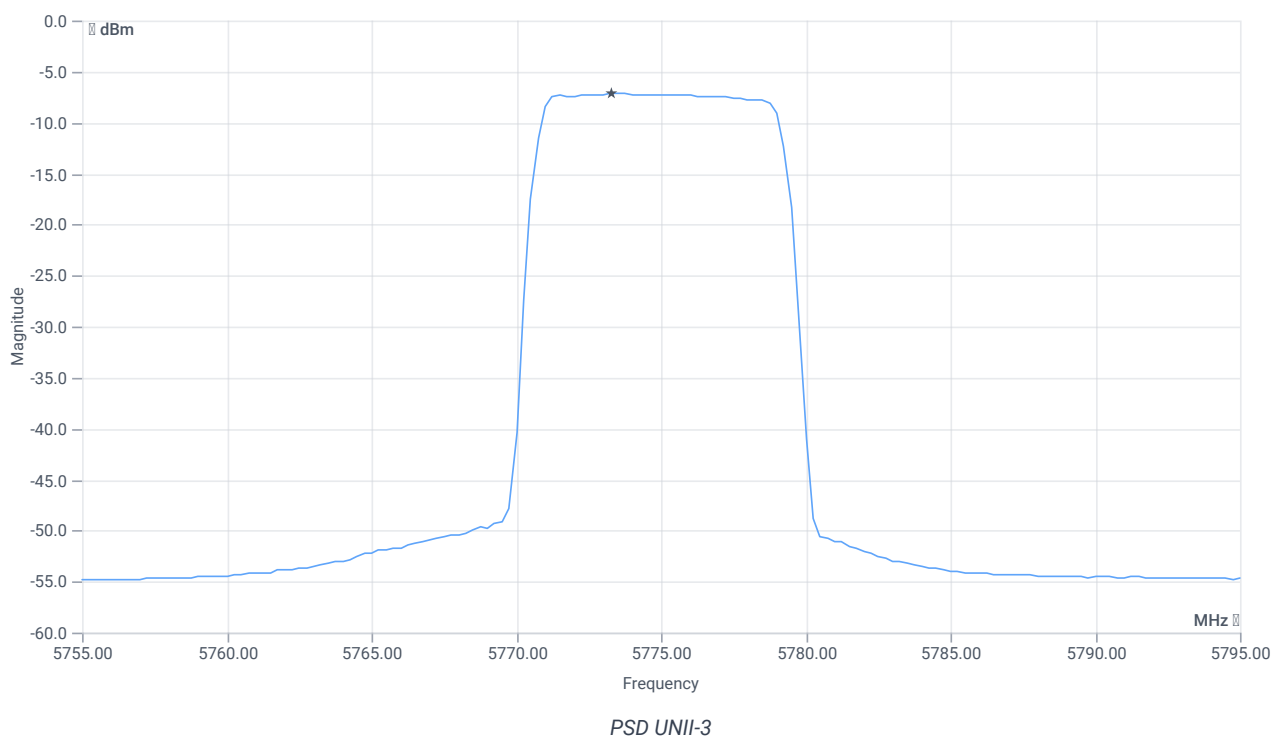
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	4.51	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	4.51	dBm	PASS
LIMIT: 11 dBm + 10 log 9.68					
Max output power DC corrected cond	---	N/A	4.51	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.36 14.04 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-7.2	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-7.2	dBm/0.5MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:57:56
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5775 MHz

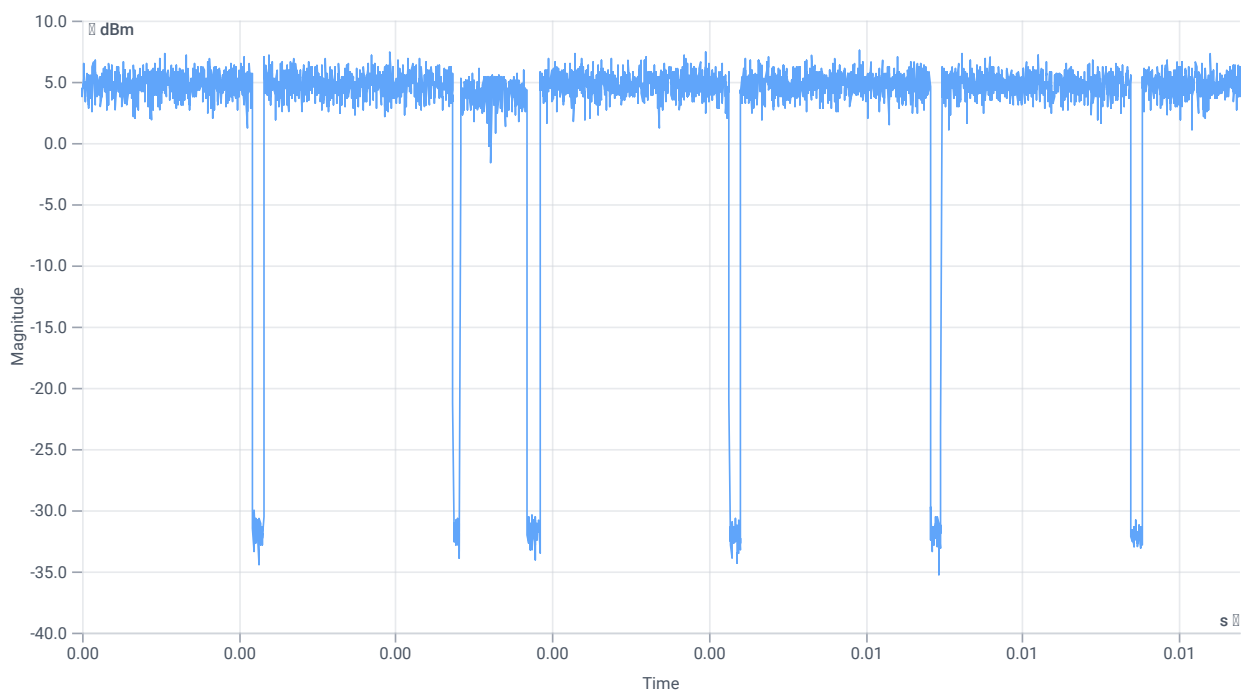
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.99	dBm	INFO
Ref. frequency	---	---	5776.800	MHz	INFO

Evaluation max. duty cycle

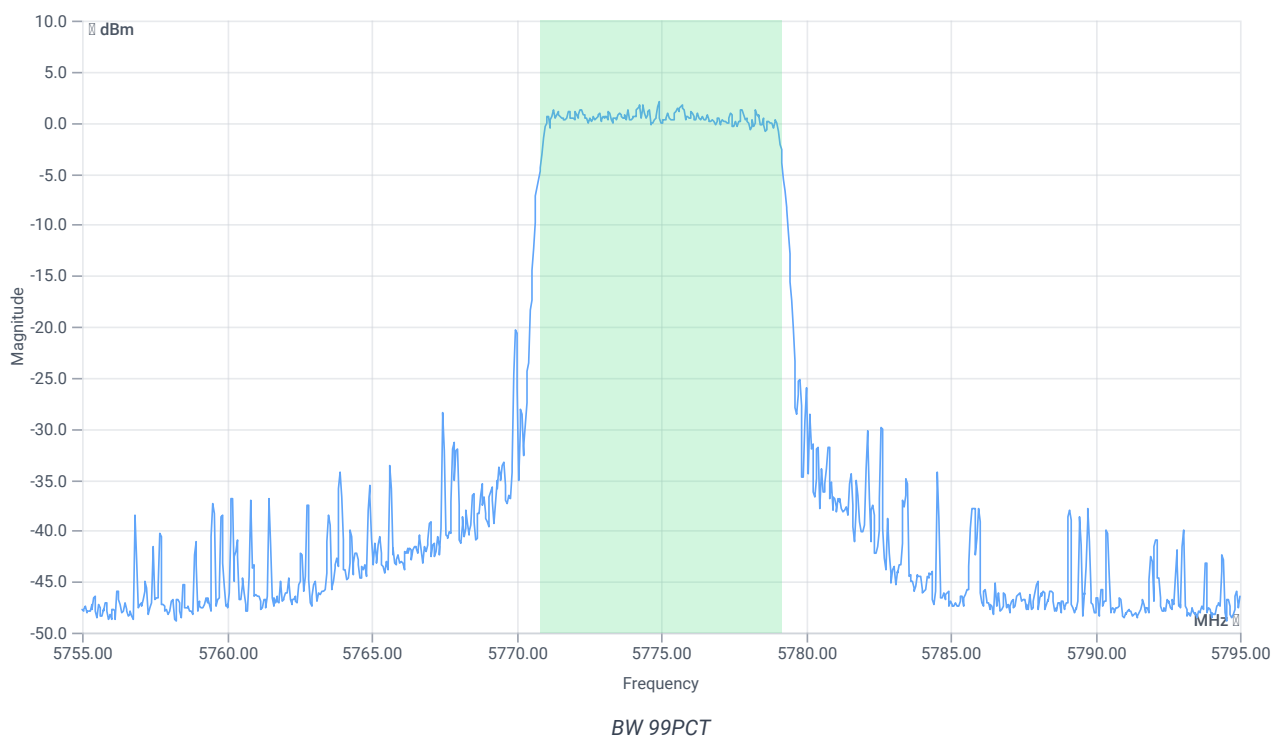
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.89	dB	INFO
Estimated ON level	---	---	5.9	dBm	INFO
Estimated noise floor	---	---	3.02	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	---	---	5770.8042	MHz	INFO
T2 99%	---	---	5779.1958	MHz	INFO

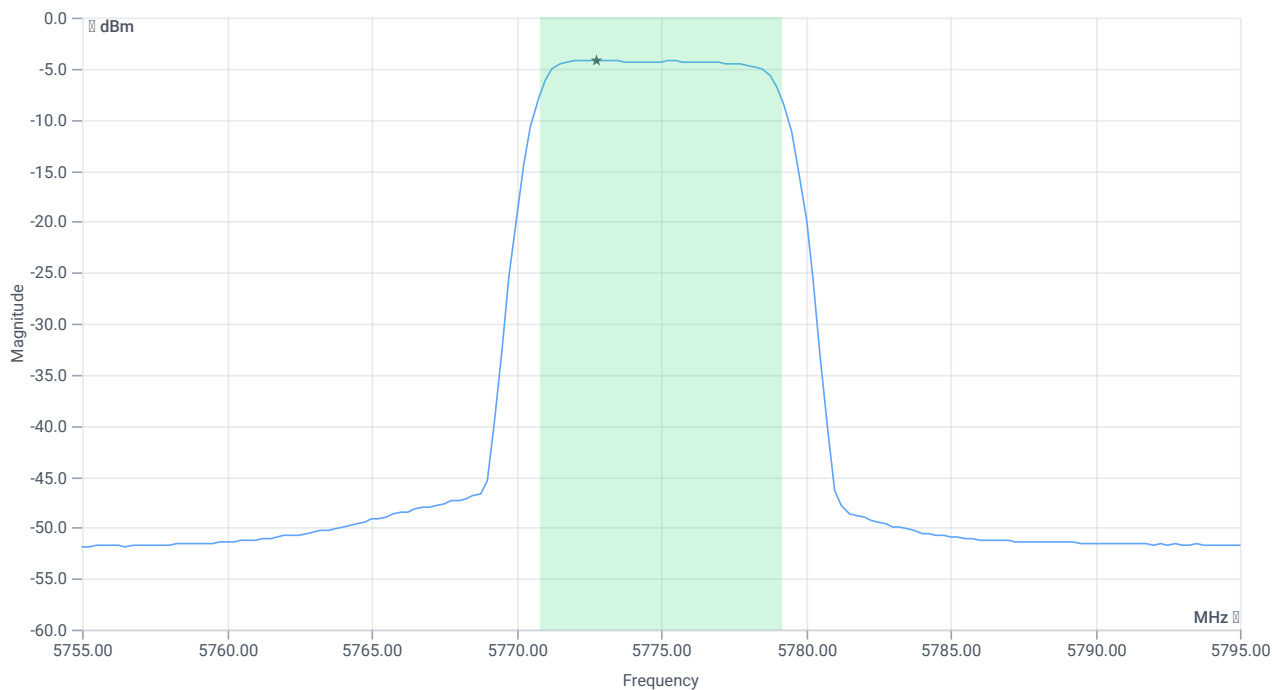
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]:	2.45 @ 5775 MHz
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READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.99 14.04 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



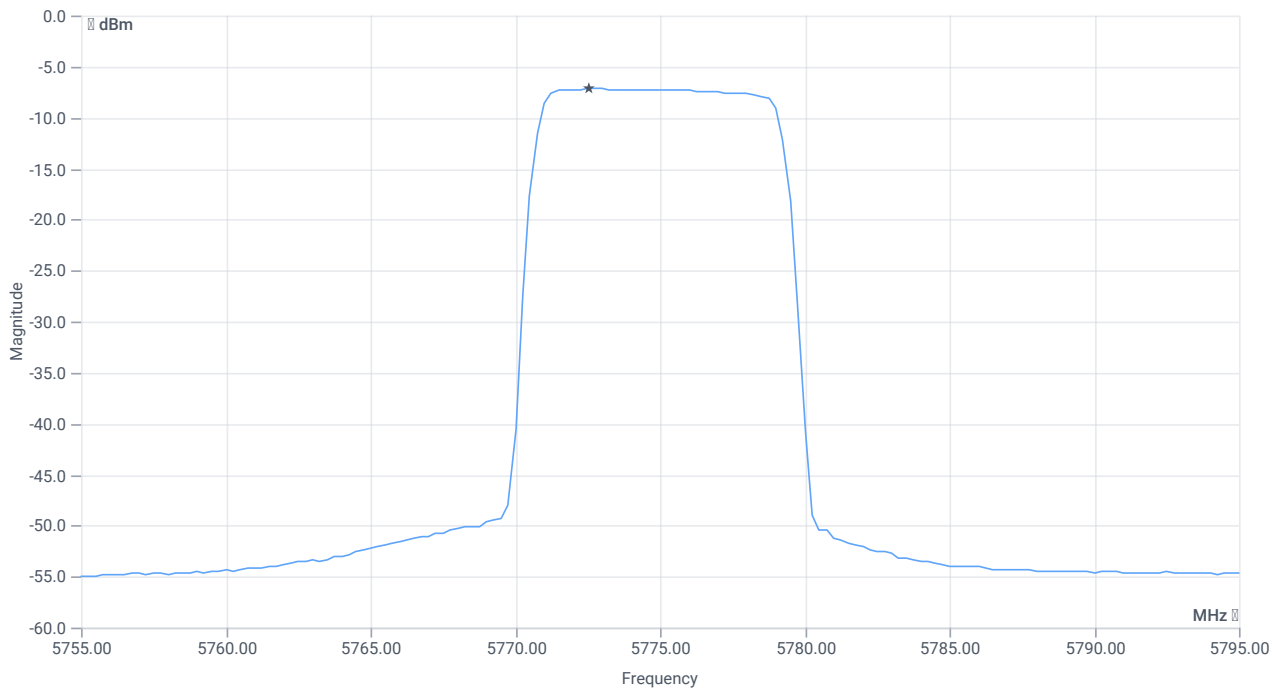
Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	4.35	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	4.35	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	6.8	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.99 14.04 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



PSD UNII-3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-7.18	dBm/0.5MHz	INFO
Power spectral density DC corrected cond	---	30	-7.18	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 11:58:35
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

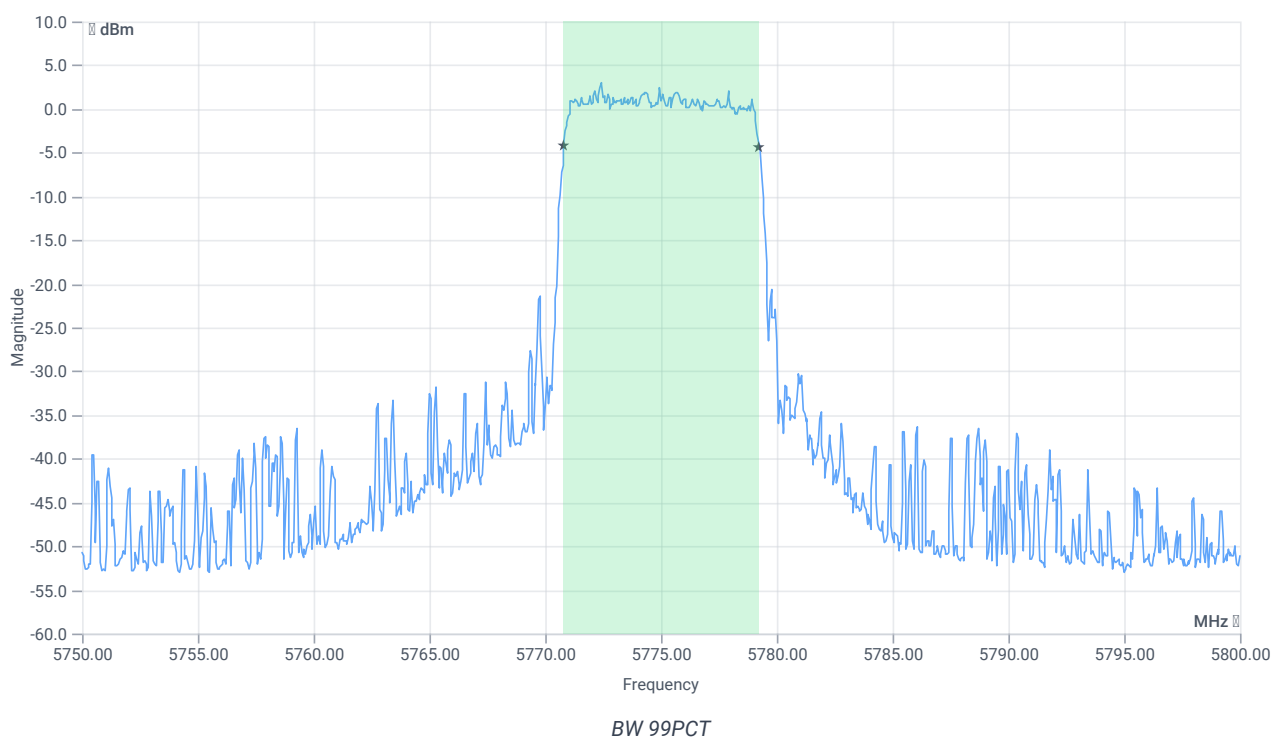
Test at TX 5775 MHz

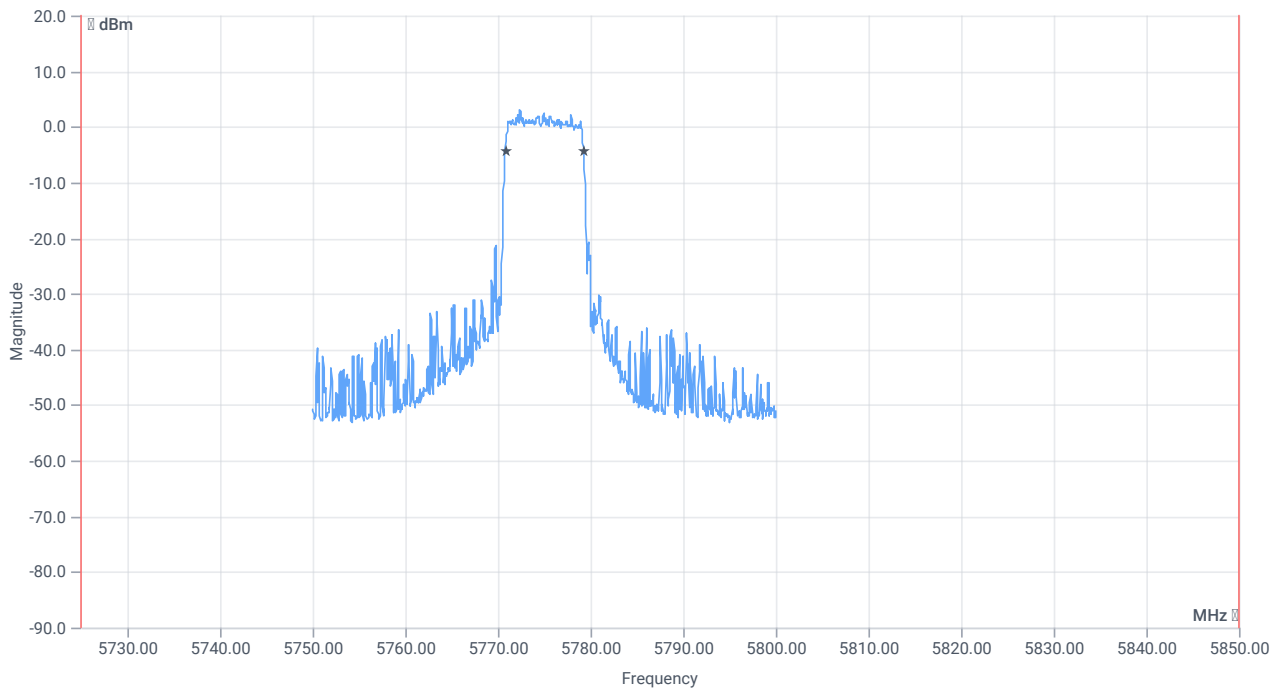
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.76	dBm	INFO
Ref. frequency	---	---	5774.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.76 14.04 15
Start [MHz] Stop [MHz]	5750.000 5800.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

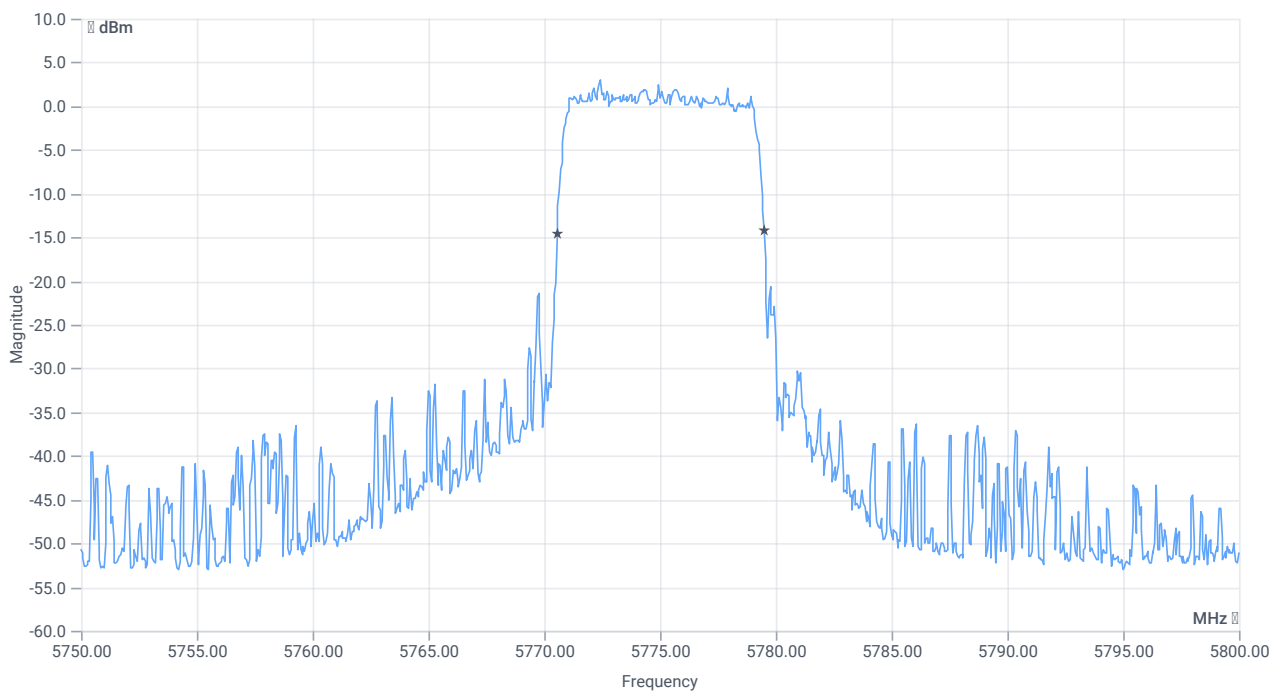




BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5770.8042	MHz	PASS
T2 99%	---	5850.000000	5779.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	8.95	MHz	INFO
T1 20dB	5725.000000	---	5770.5500	MHz	PASS
T2 20dB	---	5850.000000	5779.5000	MHz	PASS

Verdict

PASS

FCC 15.407, ISSED RSS247 # Minimum emission bandwidth ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 12:00:45
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISSED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

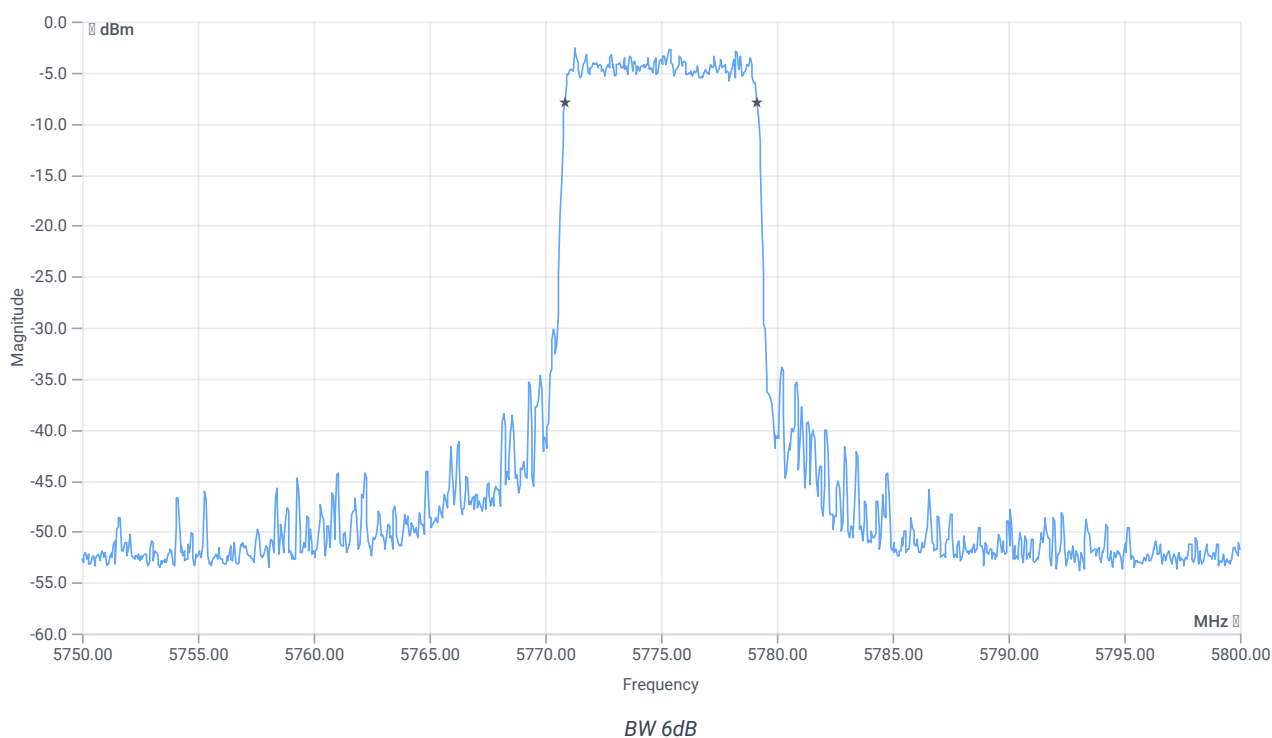
Test at TX 5775 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.45	dBm	INFO
Ref. frequency	---	---	5775.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.45 14.04 20
Start [MHz] Stop [MHz]	5750.000 5800.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.3	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 12:01:35
Ambit temp (test rack) [°C] humidity [rel%]	25.1 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5775 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

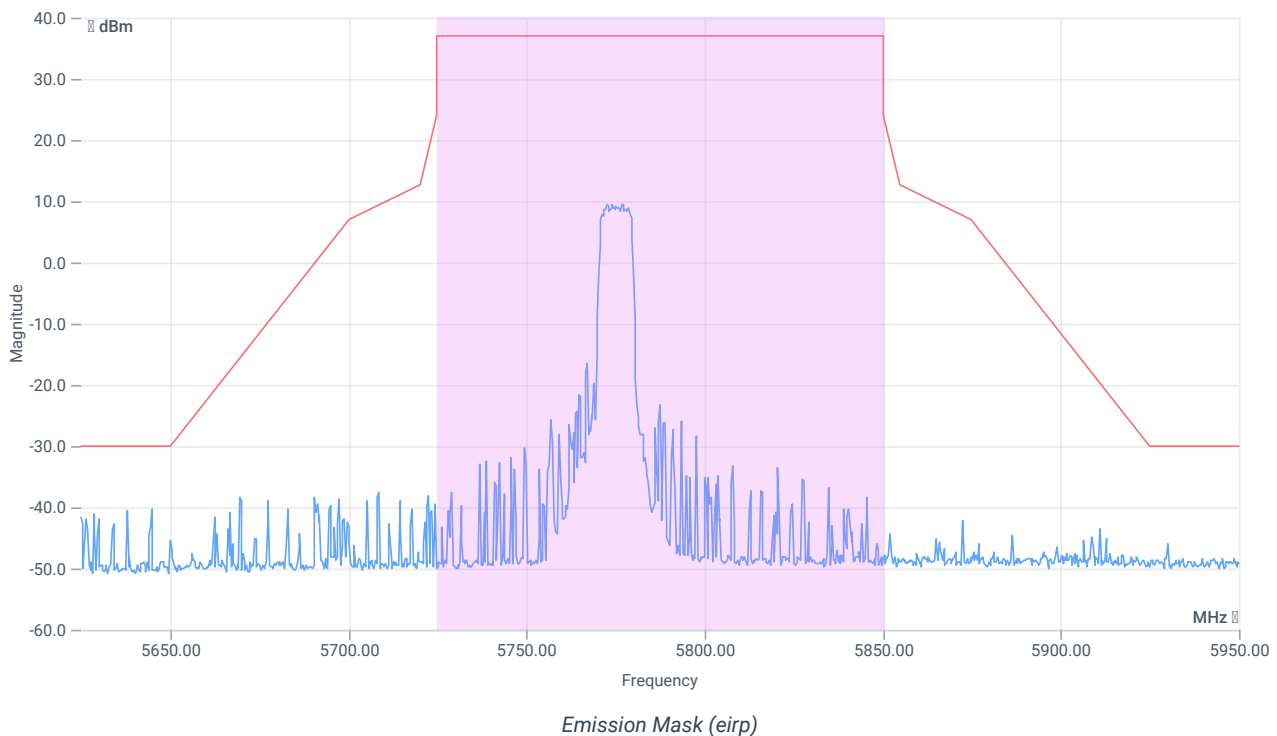
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.83	dBm	INFO
Ref. frequency	---	---	5774.800	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
--------------------------------	---

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.83 14.04 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
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken			Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 85 of 213		

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 12:02:15
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 12:02:17
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5825 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 12:04:17
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5820 MHz

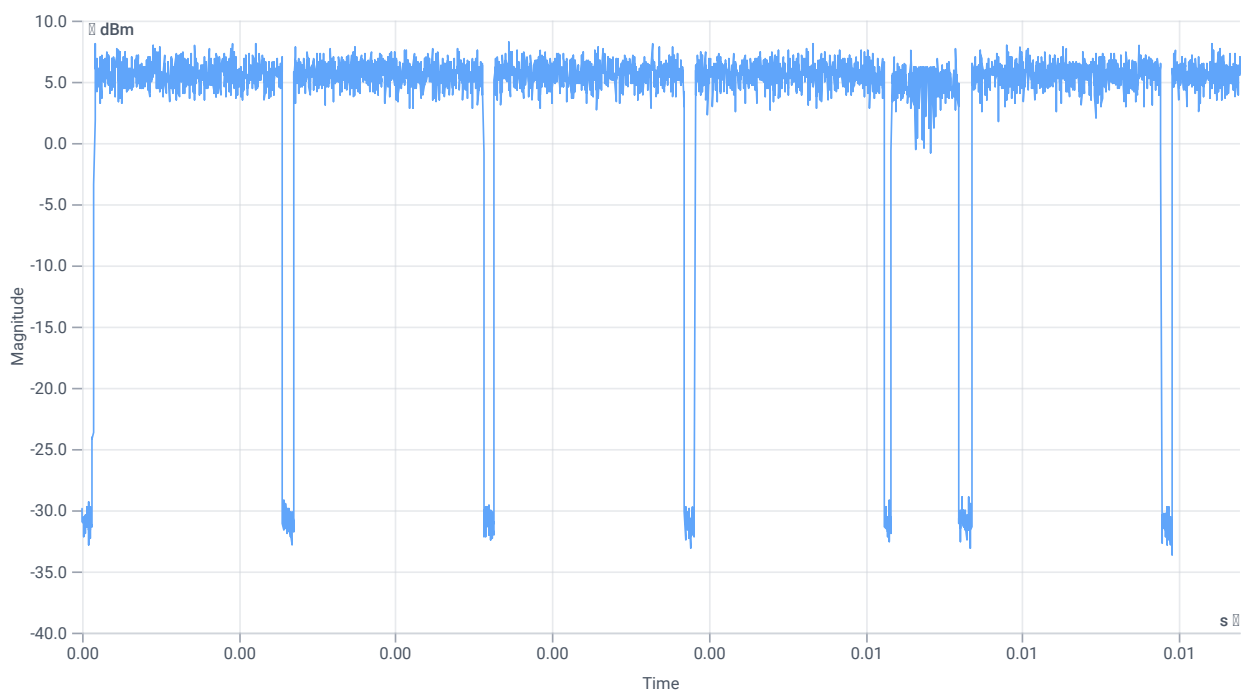
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.33	dBm	INFO
Ref. frequency	---	---	5819.400	MHz	INFO

Evaluation max. duty cycle

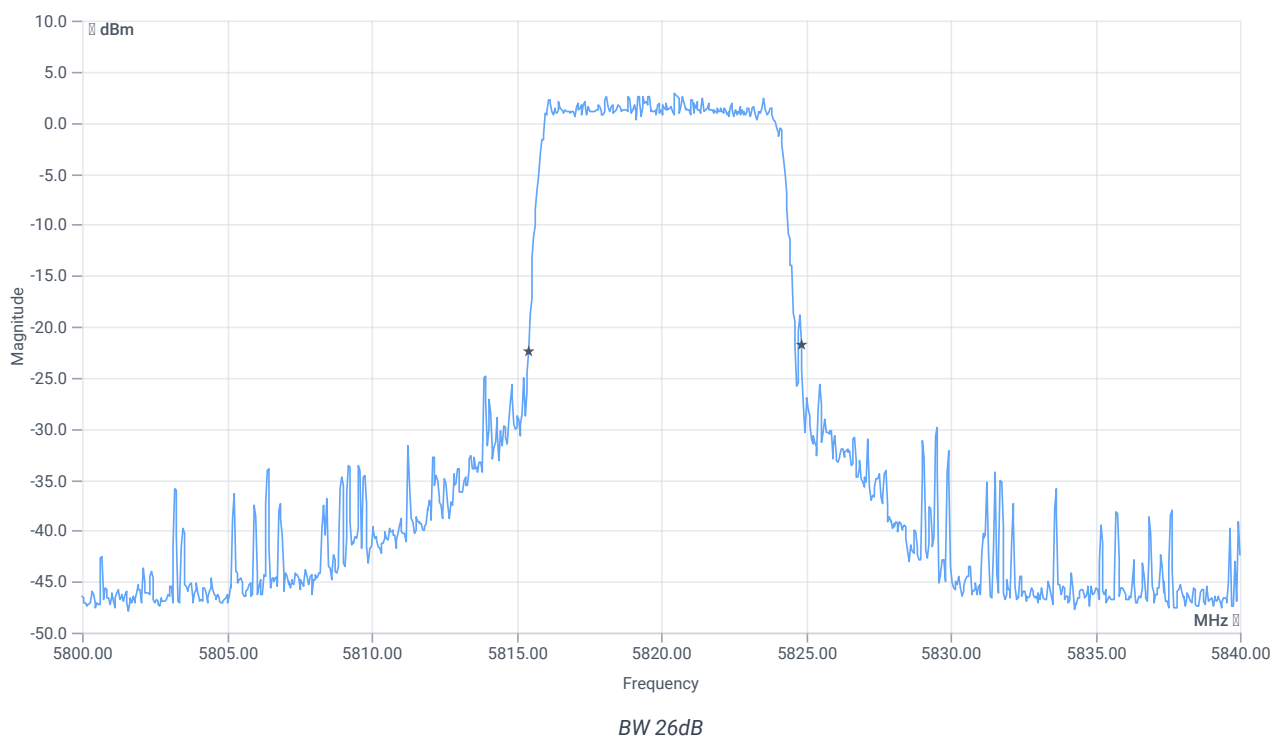
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.07	dB	INFO
Estimated ON level	---	---	6.75	dBm	INFO
Estimated noise floor	---	---	3.68	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



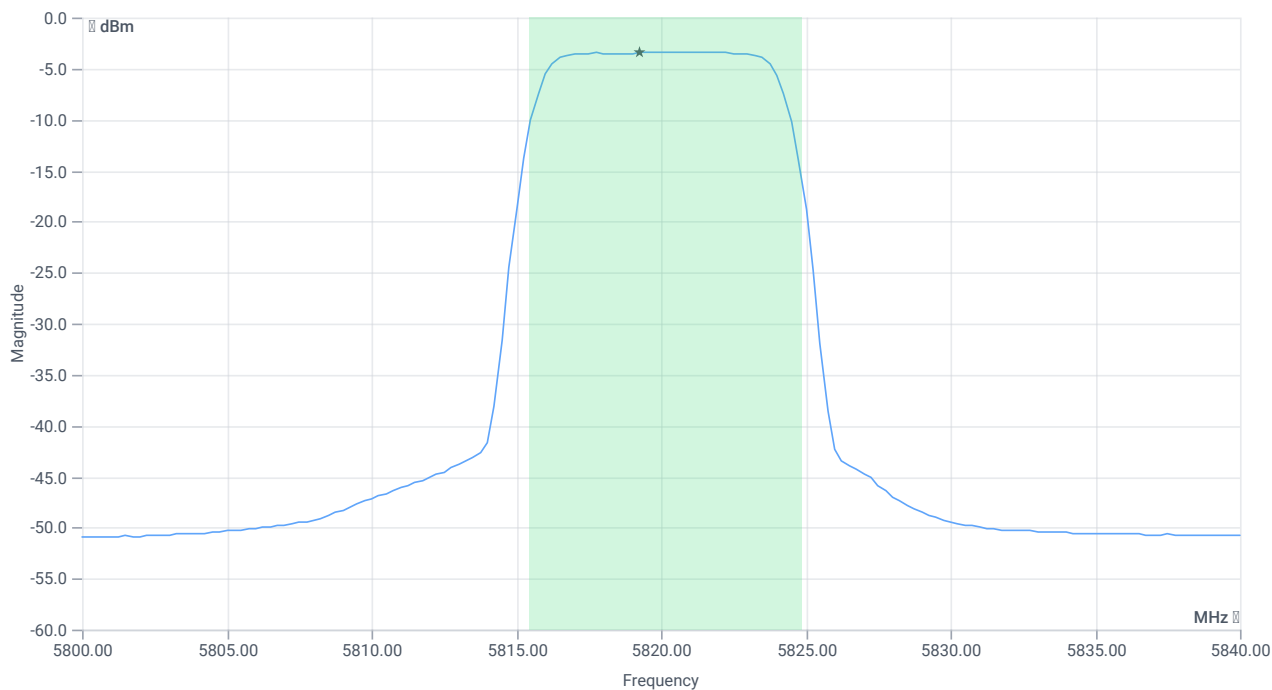
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.4	MHz	INFO
T1 26dB	---	---	5815.4400	MHz	INFO
T2 26dB	---	---	5824.8400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.33 14.79 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

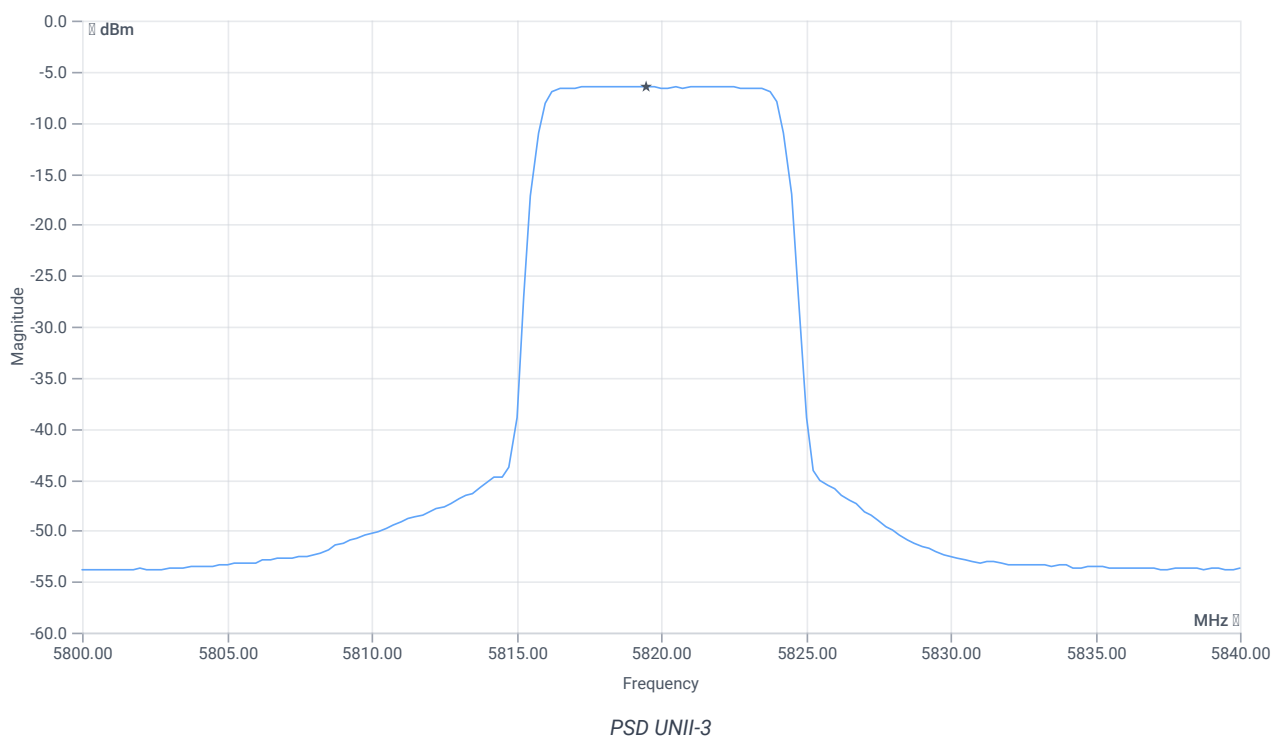
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	5.35	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	5.35	dBm	PASS
LIMIT: 11 dBm + 10 log 9.4					
Max output power DC corrected cond	---	N/A	5.35	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.33 14.79 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-6.43	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-6.43	dBm/0.5MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 12:08:04
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5820 MHz

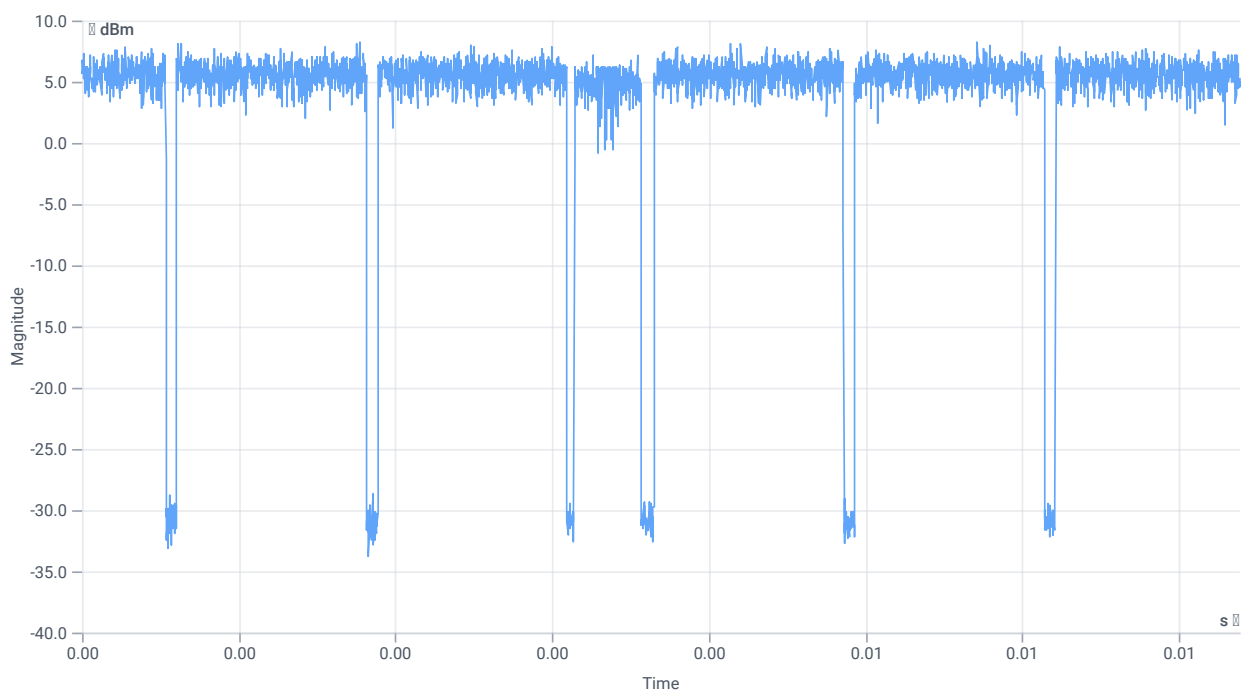
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.74	dBm	INFO
Ref. frequency	---	---	5820.600	MHz	INFO

Evaluation max. duty cycle

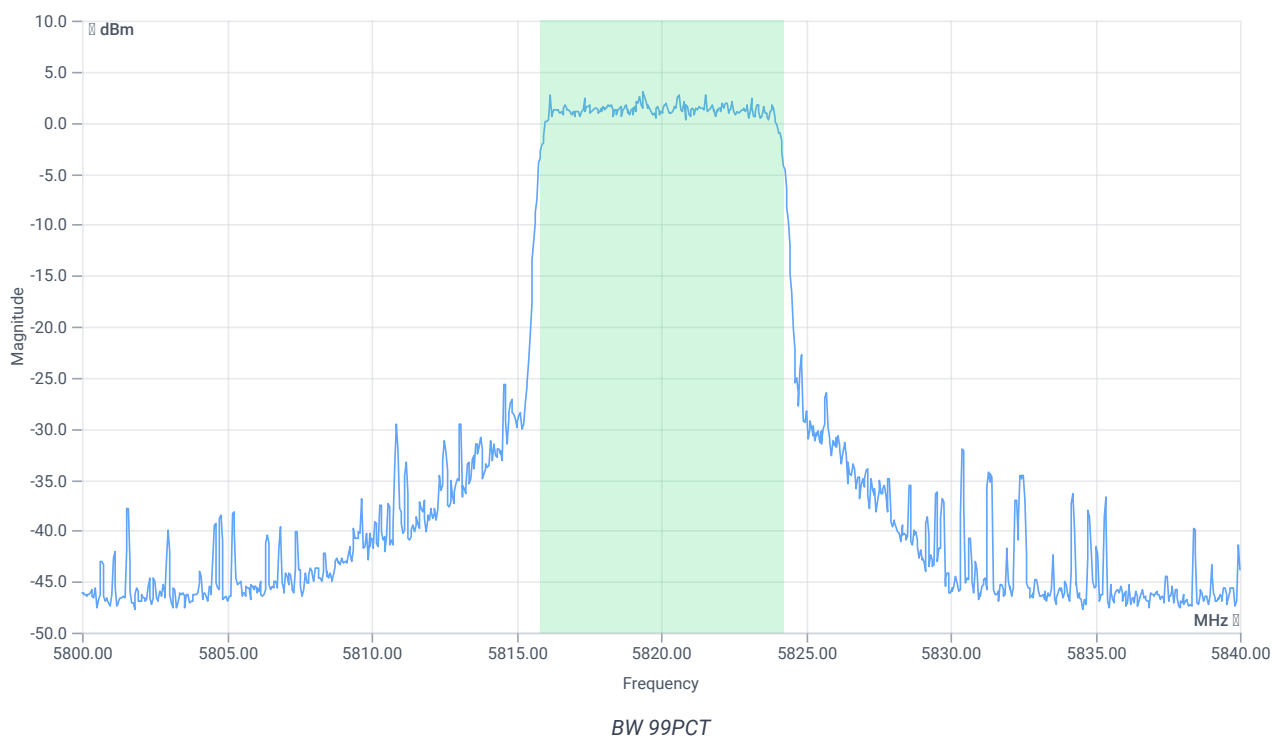
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3	dB	INFO
Estimated ON level	---	---	6.7	dBm	INFO
Estimated noise floor	---	---	3.71	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5815.8042	MHz	INFO
T2 99%	---	---	5824.2358	MHz	INFO

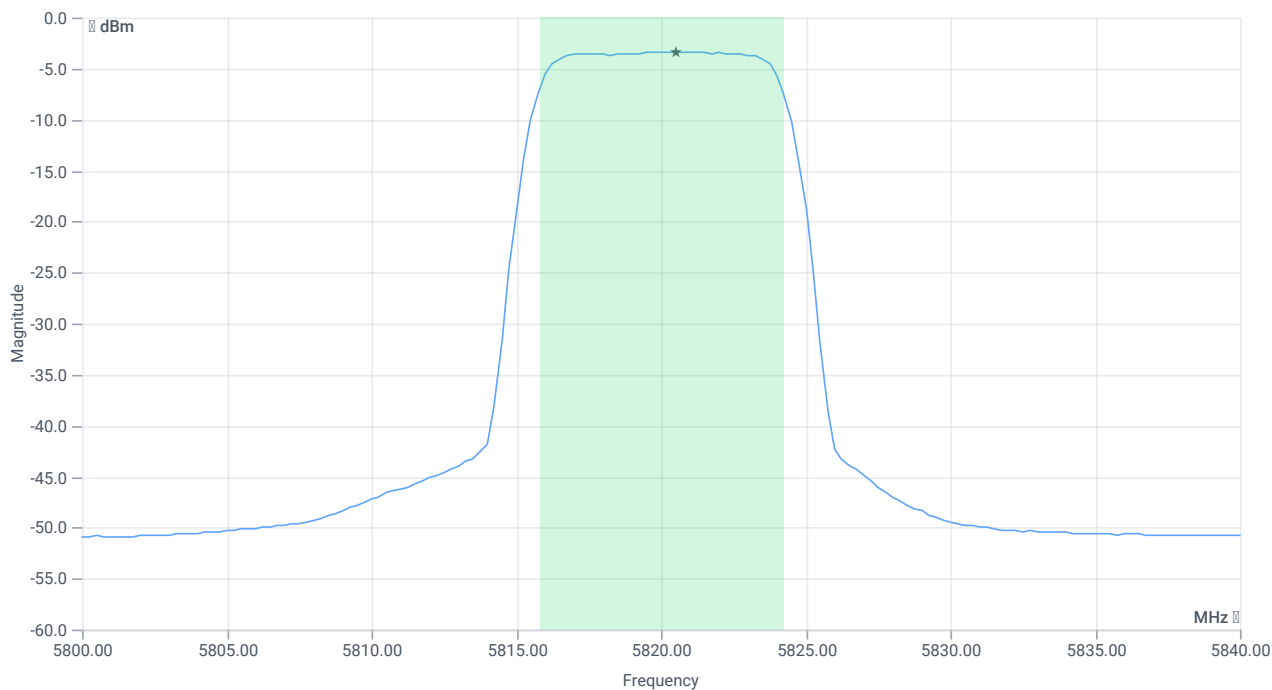
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.45 @ 5820 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.74 14.79 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE

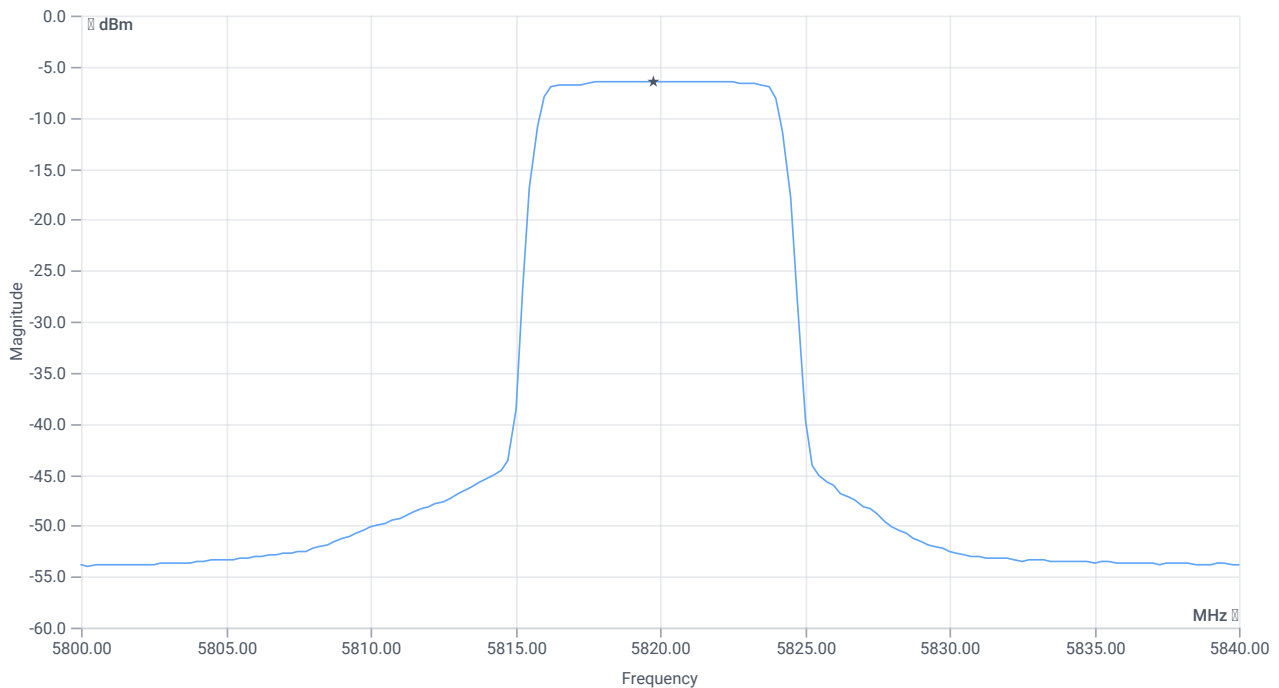


RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	5.19	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	5.19	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	7.64	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.74 14.79 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-6.46	dBm/0.5MHz	INFO
Power spectral density DC corrected cond	---	30	-6.46	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 12:08:43
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

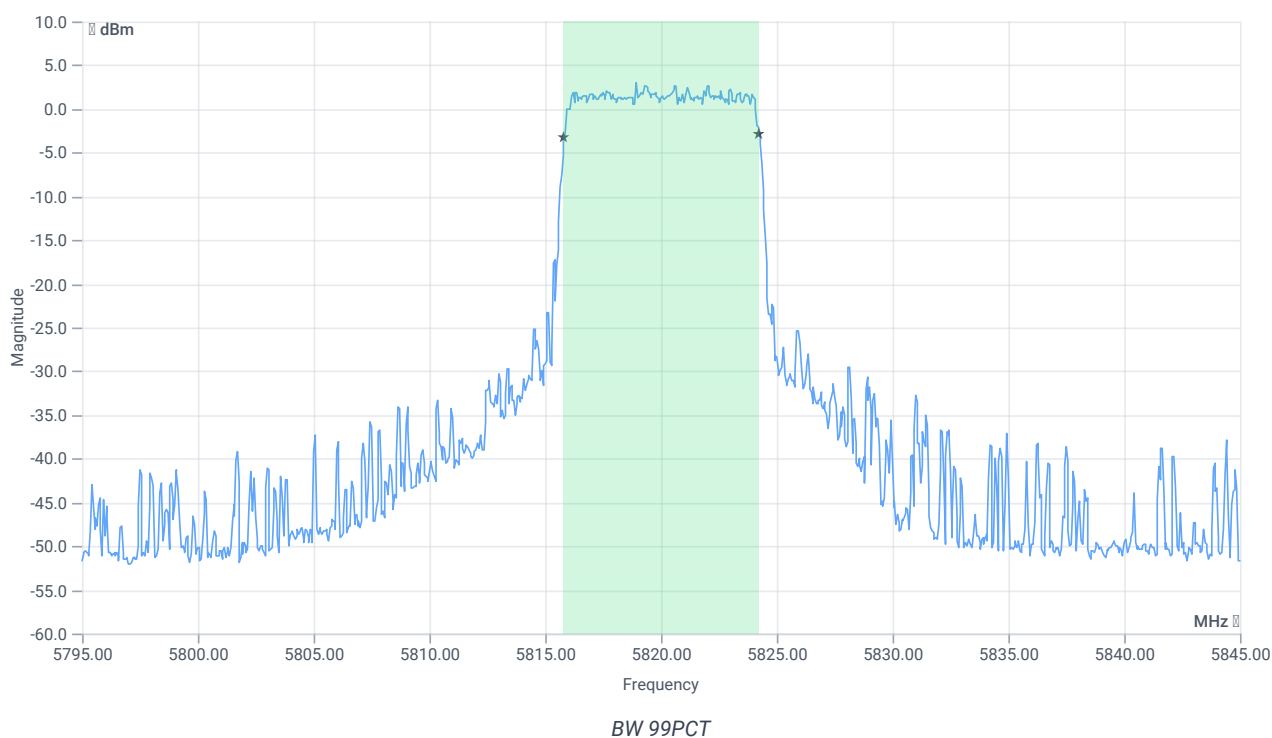
Test at TX 5820 MHz

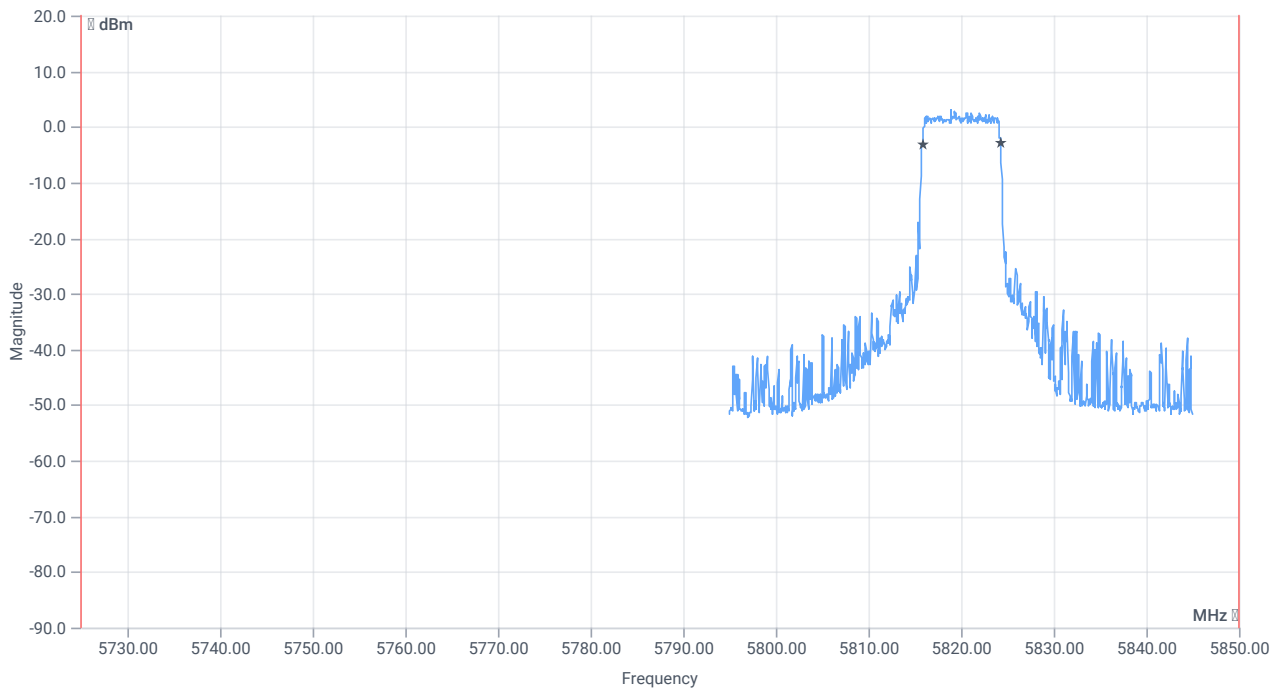
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.57	dBm	INFO
Ref. frequency	---	---	5817.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.57 14.79 15
Start [MHz] Stop [MHz]	5795.000 5845.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

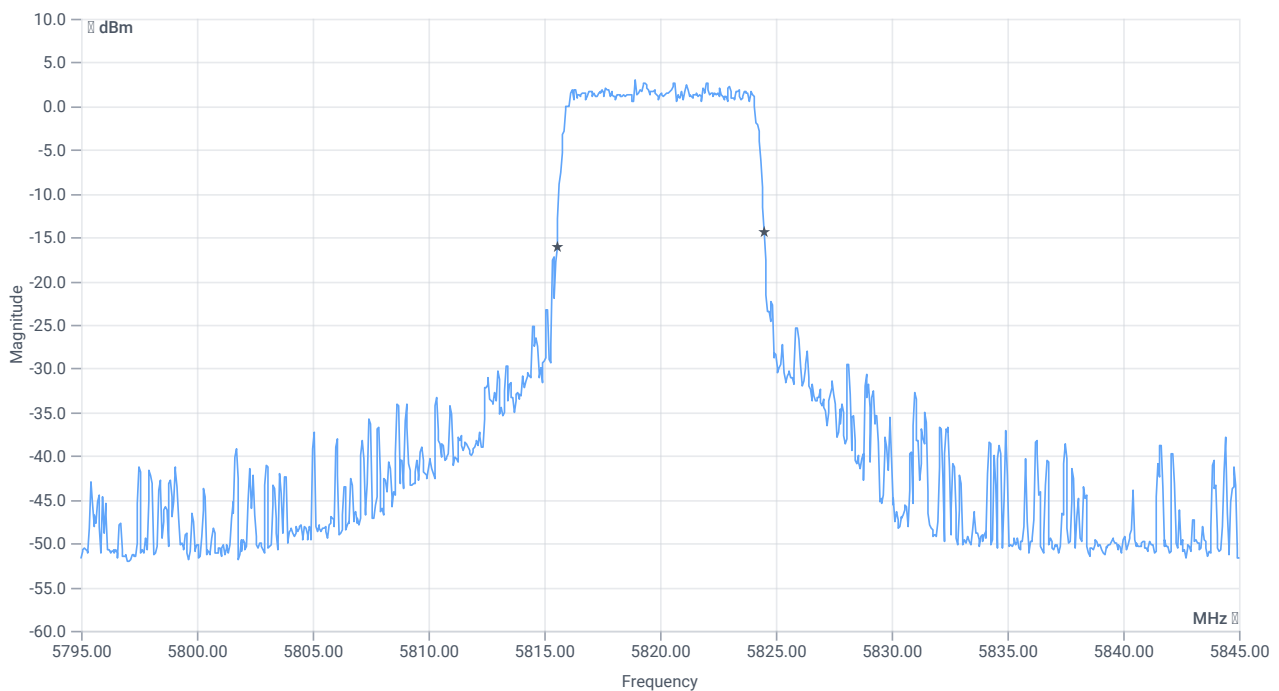




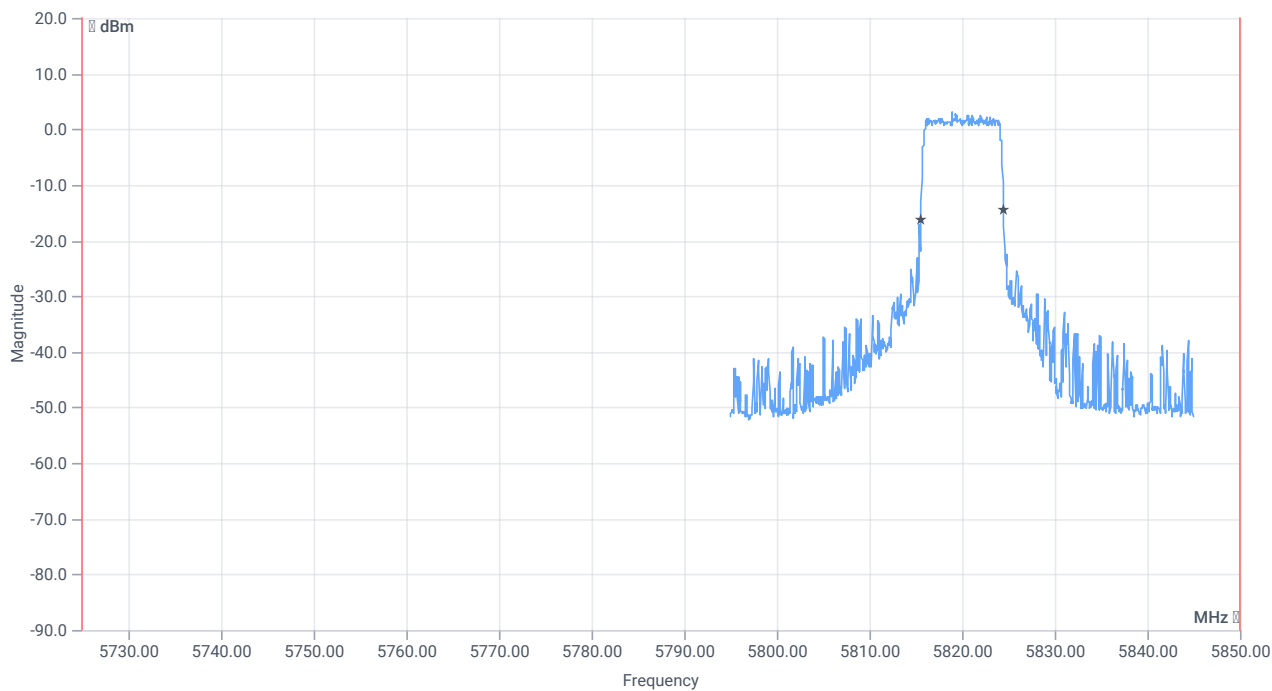
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5815.8042	MHz	PASS
T2 99%	---	5850.000000	5824.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	8.95	MHz	INFO
T1 20dB	5725.000000	---	5815.5500	MHz	PASS
T2 20dB	---	5850.000000	5824.5000	MHz	PASS

Verdict
PASS

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

References

TC start	07.08.2026 12:09:15
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

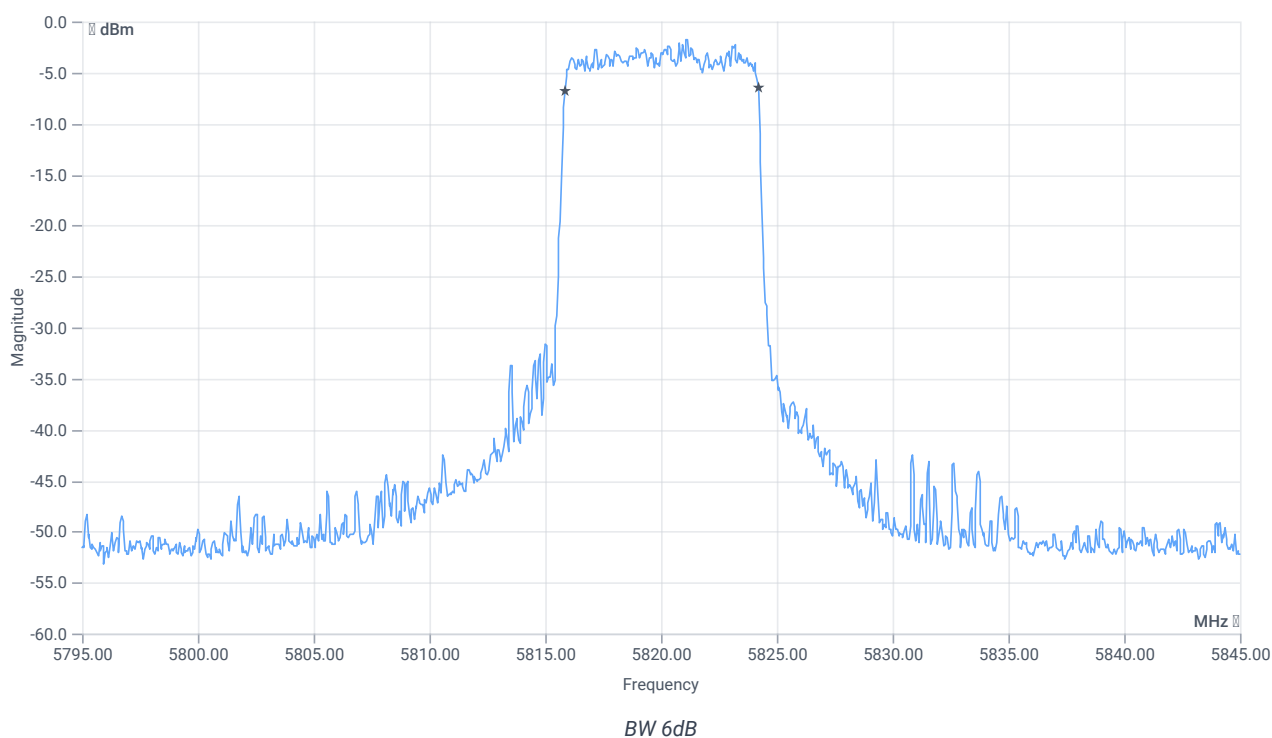
Test at TX 5820 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.26	dBm	INFO
Ref. frequency	---	---	5816.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.26 14.79 20
Start [MHz] Stop [MHz]	5795.000 5845.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.35	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 12:09:54
Ambit temp (test rack) [°C] humidity [rel%]	25.2 39
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5820 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

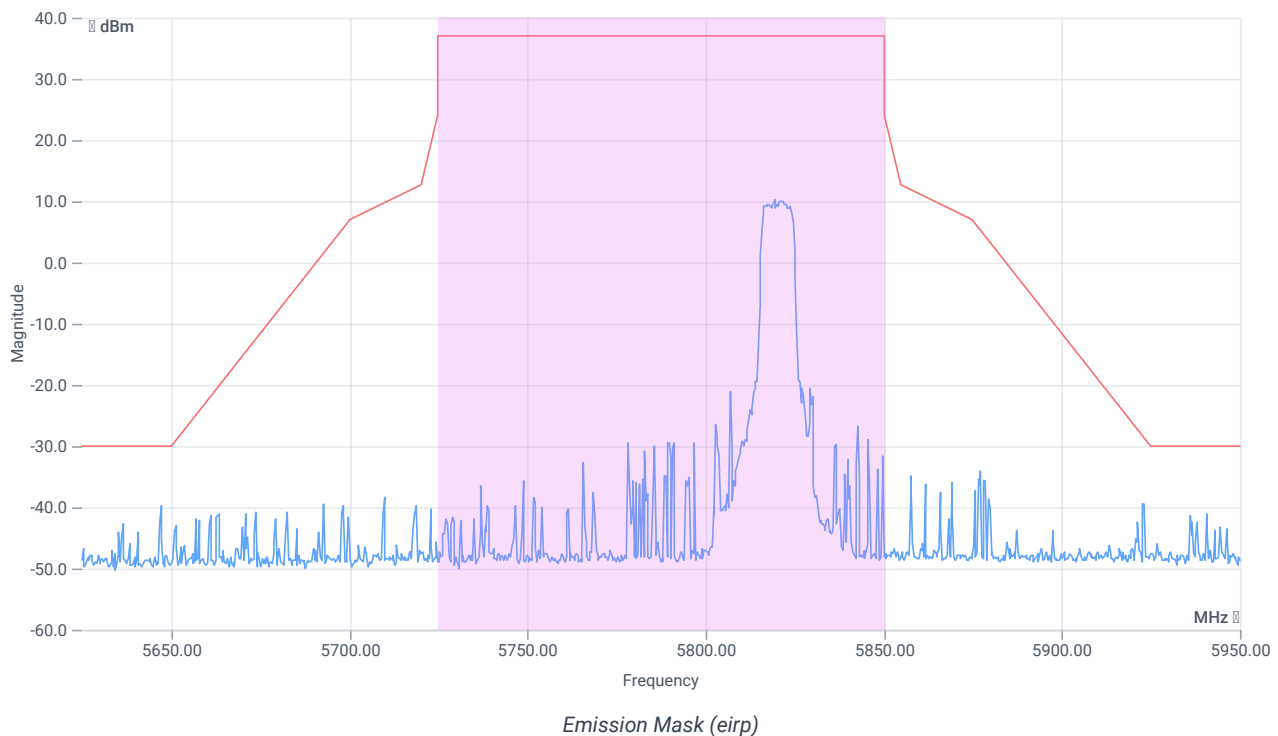
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	6.27	dBm	INFO
Ref. frequency	---	---	5823.000	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
--------------------------------	---

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.27 14.79 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
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken			Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 105 of 213		

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:23:19
Ambit temp (test rack) [°C] humidity [rel%]	24.7 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:23:22
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5180 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 10:23:32
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5175 MHz

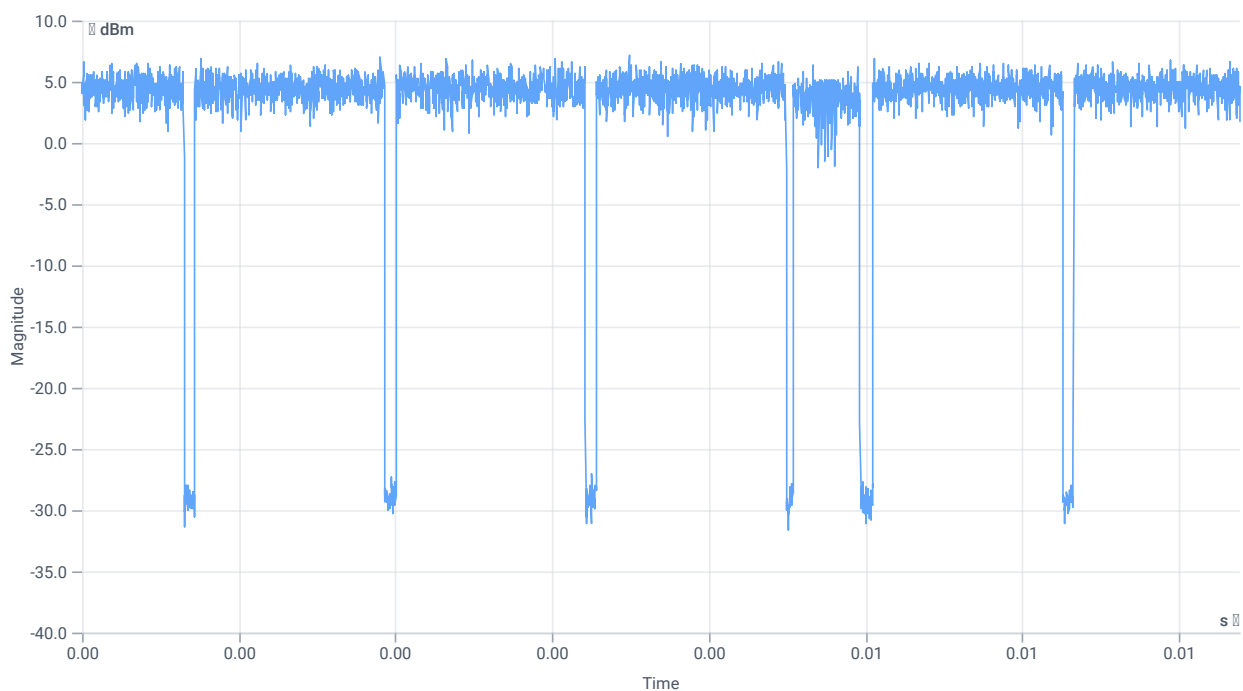
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.76	dBm	INFO
Ref. frequency	---	---	5174.200	MHz	INFO

Evaluation max. duty cycle

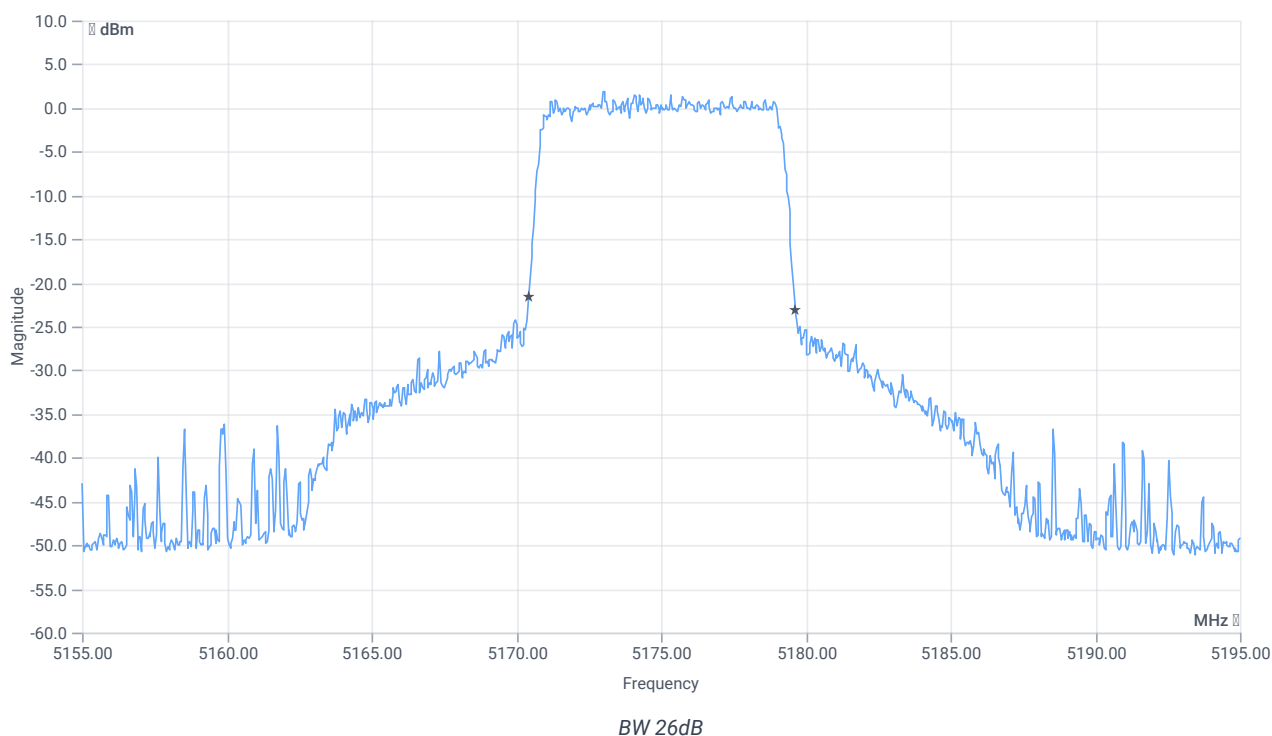
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.9	dB	INFO
Estimated ON level	---	---	5.56	dBm	INFO
Estimated noise floor	---	---	2.66	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



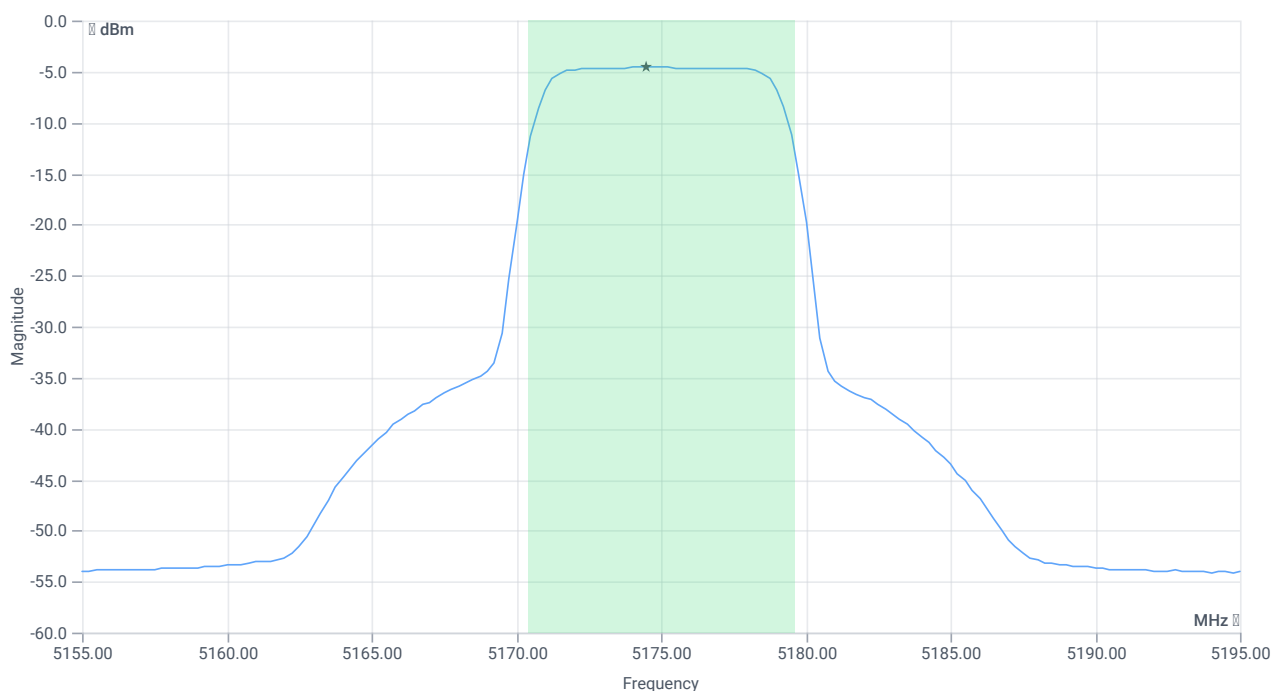
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.2	MHz	INFO
T1 26dB	---	---	5170.4400	MHz	INFO
T2 26dB	---	---	5179.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.76 13.62 20
Start [MHz] Stop [MHz]	5155.000 5195.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	4.15	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	4.15	dBm	PASS
LIMIT: 11 dBm + 10 log 9.2					
Max output power DC corrected cond	---	N/A	4.15	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.55	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-4.55	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:24:10
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5175 MHz

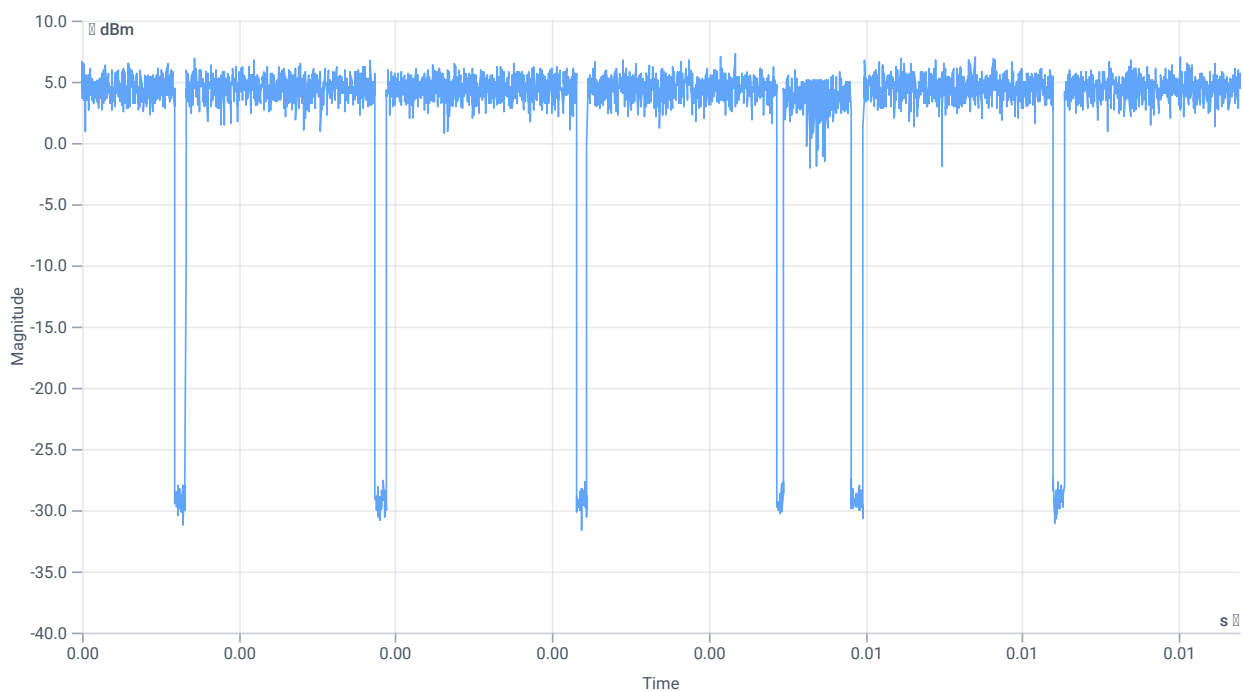
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.37	dBm	INFO
Ref. frequency	---	---	5174.400	MHz	INFO

Evaluation max. duty cycle

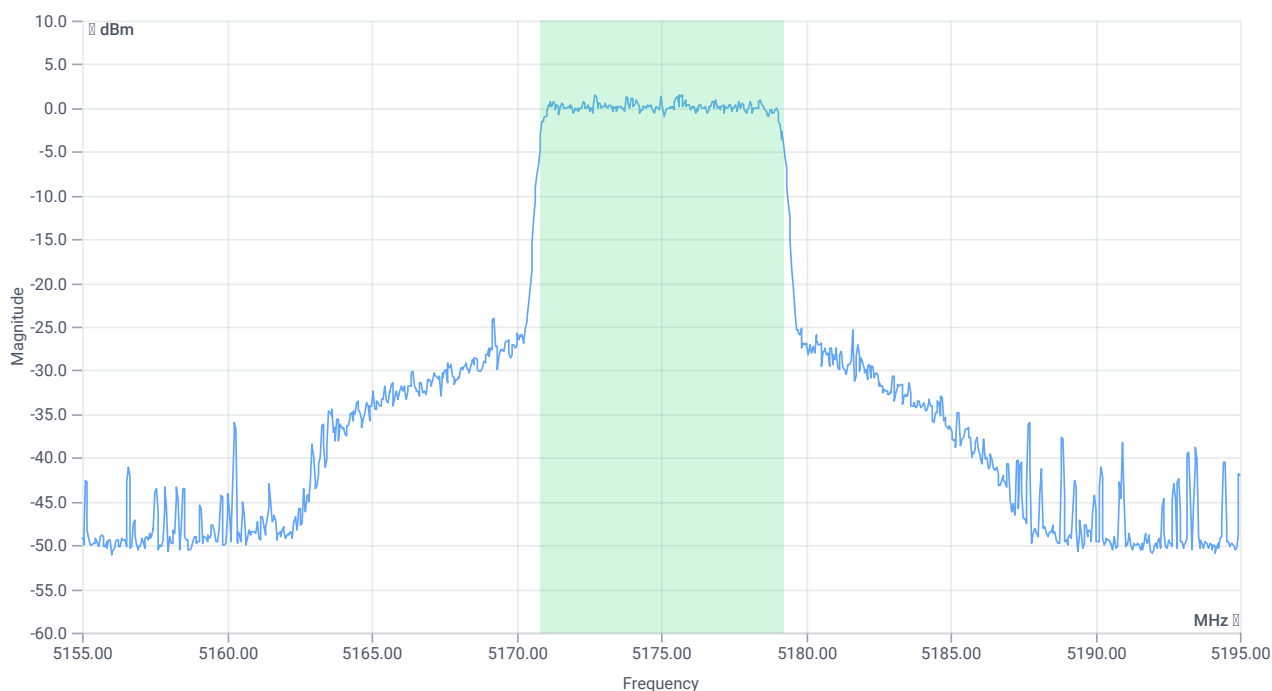
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.81	dB	INFO
Estimated ON level	---	---	5.57	dBm	INFO
Estimated noise floor	---	---	2.76	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5170.8042	MHz	INFO
T2 99%	---	---	5179.2358	MHz	INFO

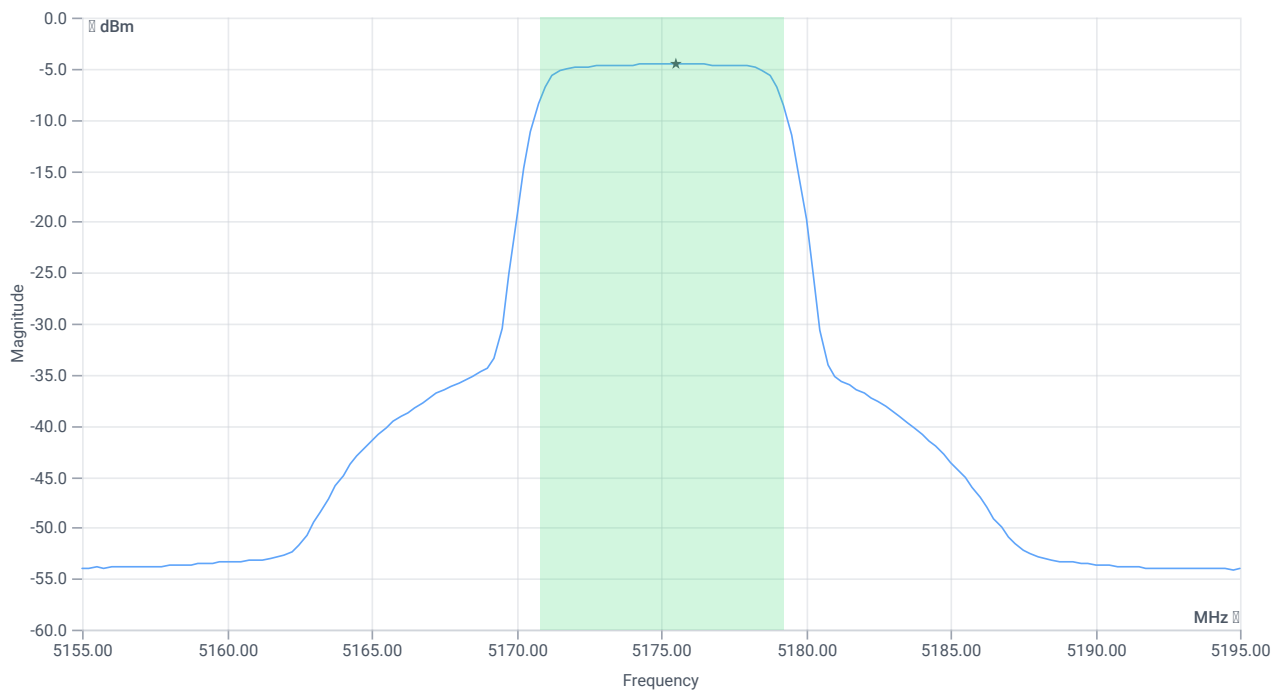
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5175 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.37 13.62 20
Start [MHz] Stop [MHz]	5155.000 5195.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					
Max output power cond	---	---	4.05	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
Max output power DC corrected cond	---	---	4.05	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	6.81	dBm	PASS
LIMIT: 10 dBm + 10 log 8.432					
Max output power DC corrected eirp	---	19.26	6.81	dBm	PASS
Power spectral density eirp	---	---	-1.81	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	-1.81	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	4.05	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:24:48
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5175
Frequency mid to test	False Freq [MHz] 5200
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

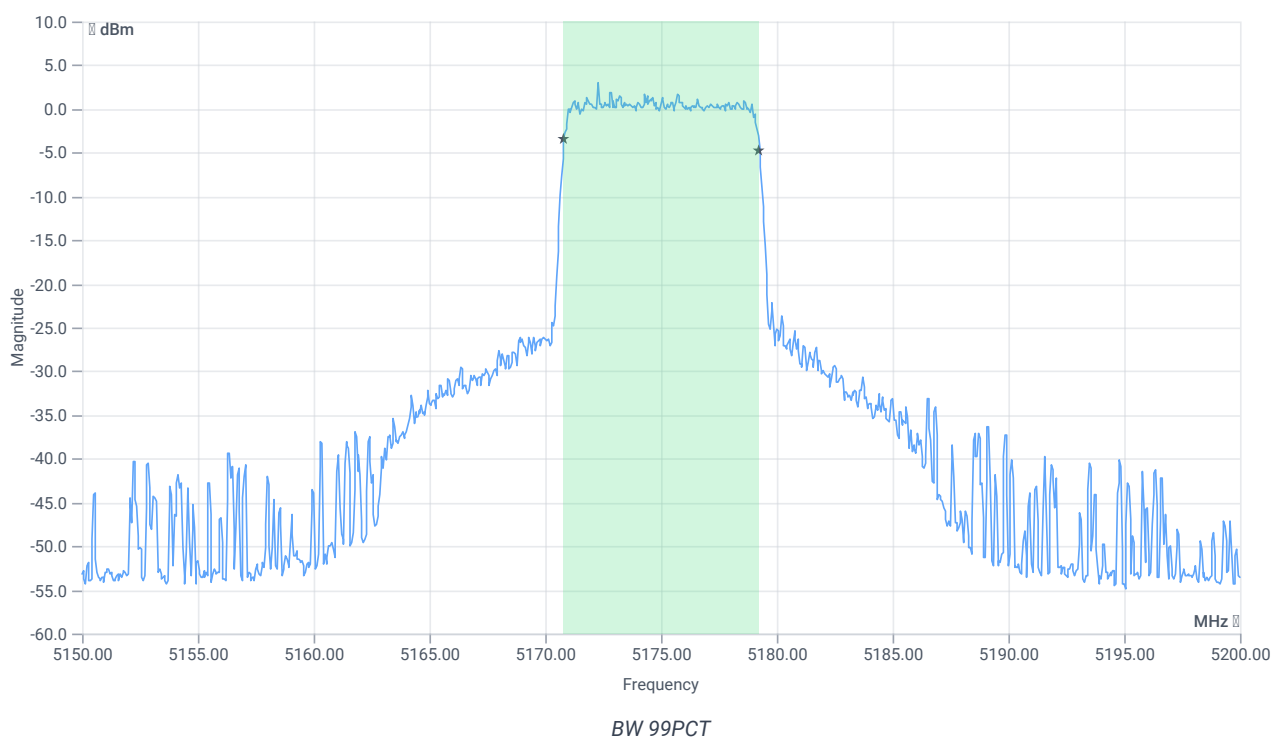
Test at TX 5175 MHz

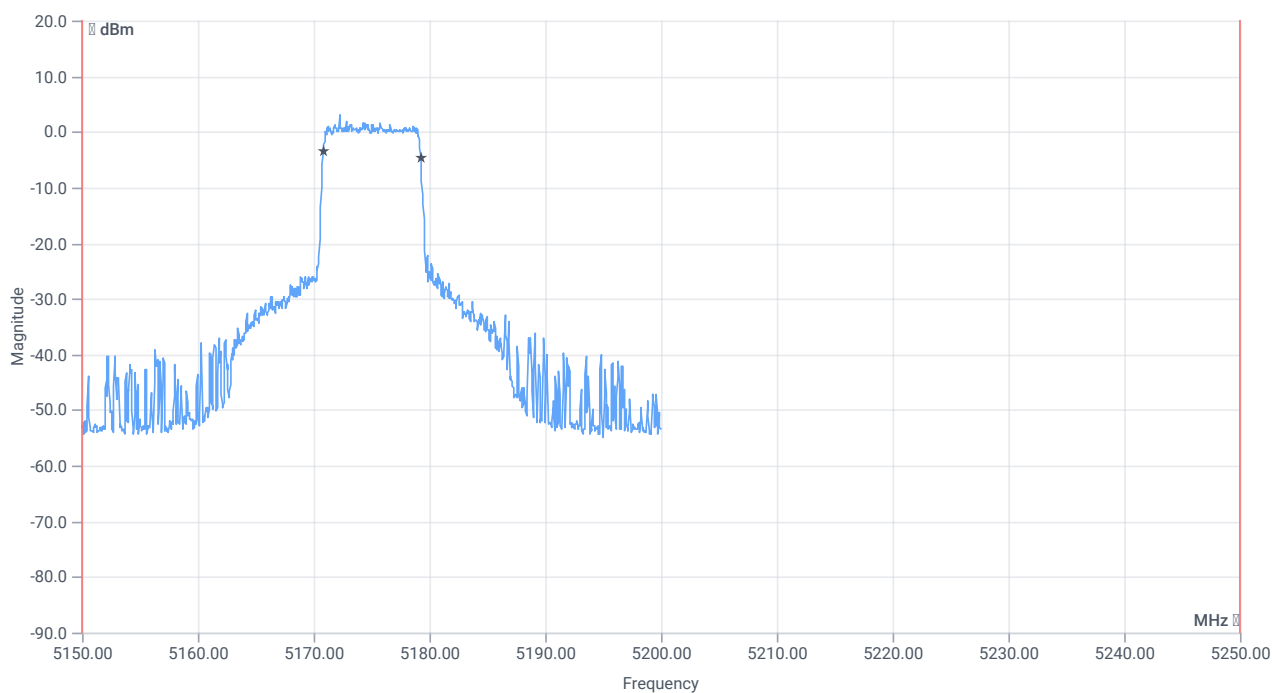
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.10	dBm	INFO
Ref. frequency	---	---	5174.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.10 13.62 15
Start [MHz] Stop [MHz]	5150.000 5200.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

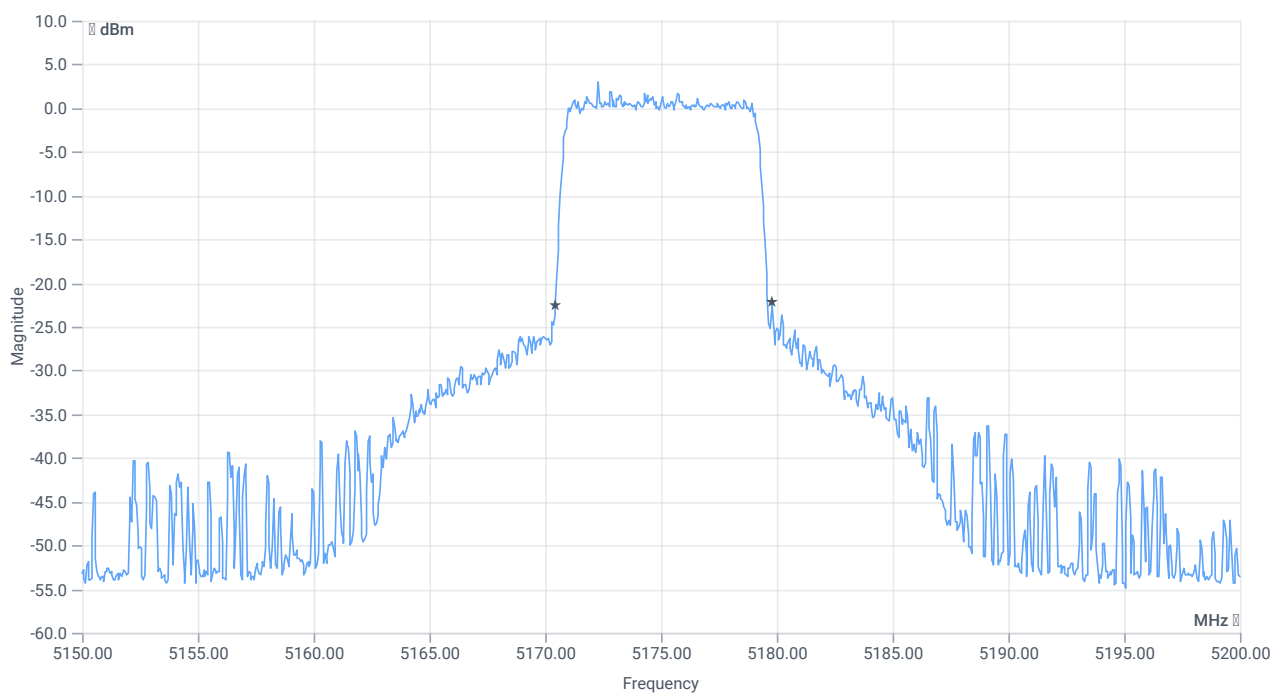




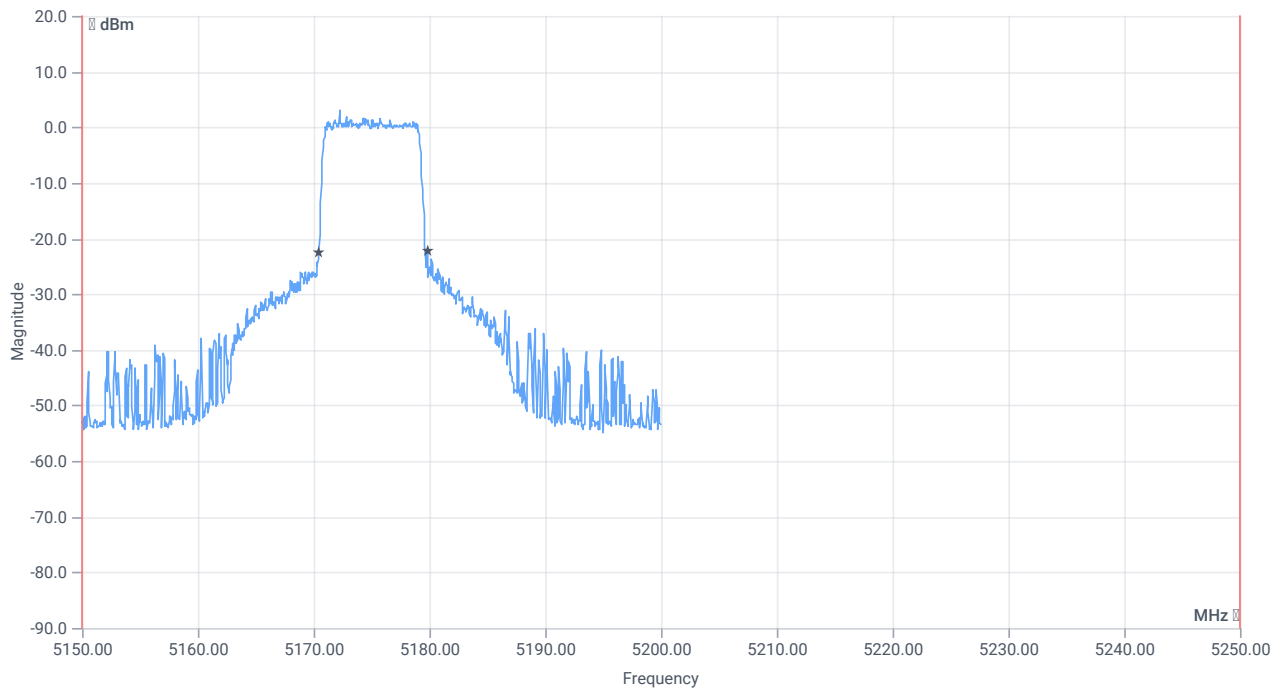
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5150.000000	---	5170.8042	MHz	PASS
T2 99%	---	5250.000000	5179.2458	MHz	PASS



BW 26dB



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.35	MHz	INFO
T1 26dB	5150.000000	---	5170.4500	MHz	PASS
T2 26dB	---	5250.000000	5179.8000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:25:27
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:25:30
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5200 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 10:26:16
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5215 MHz

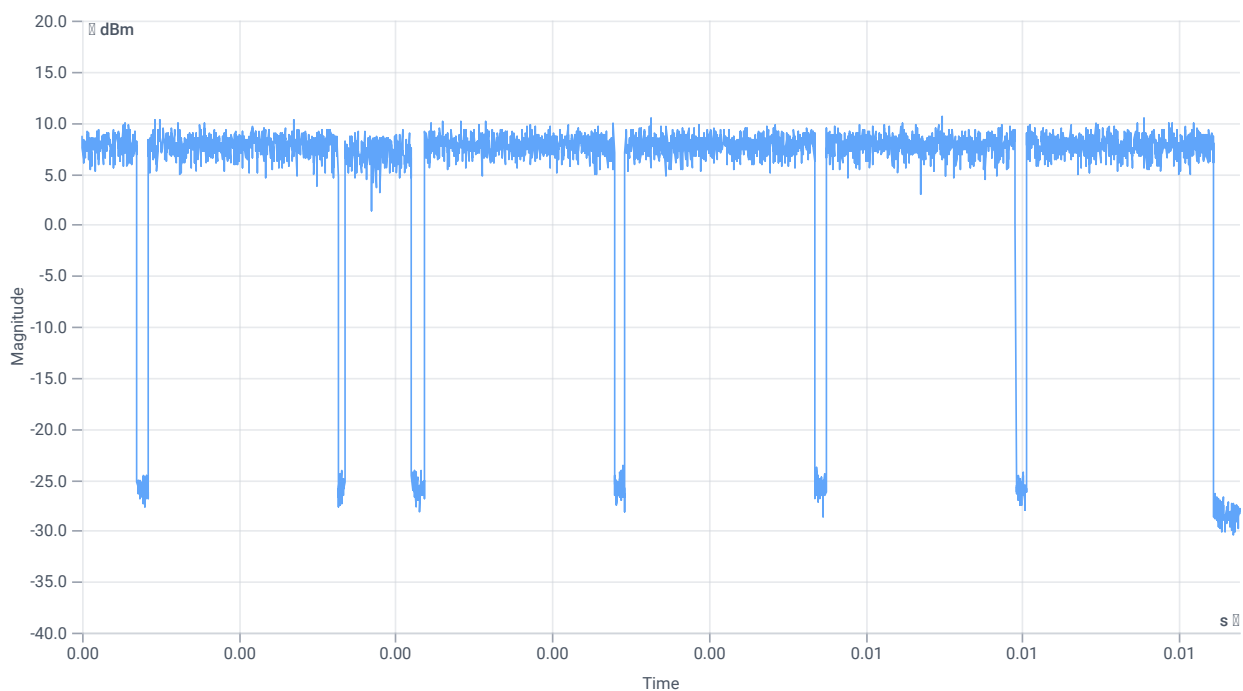
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.44	dBm	INFO
Ref. frequency	---	---	5215.600	MHz	INFO

Evaluation max. duty cycle

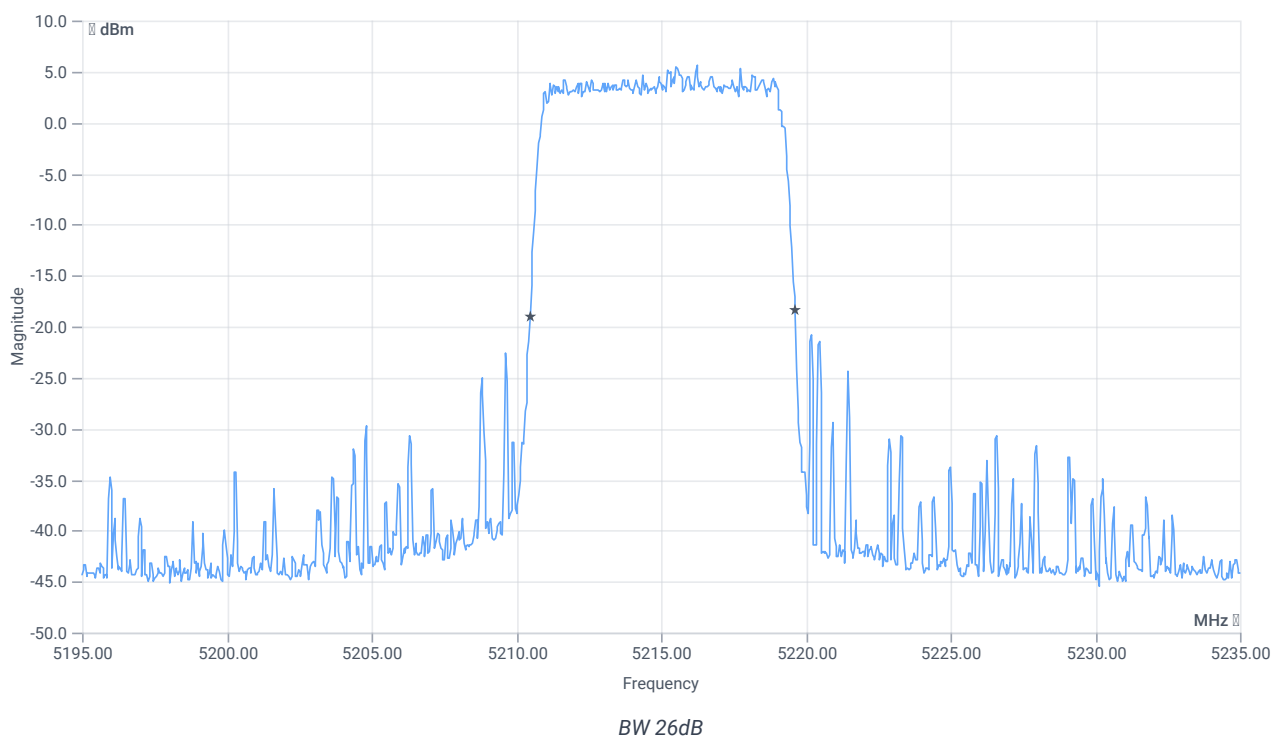
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.33	dB	INFO
Estimated ON level	---	---	8.88	dBm	INFO
Estimated noise floor	---	---	5.55	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



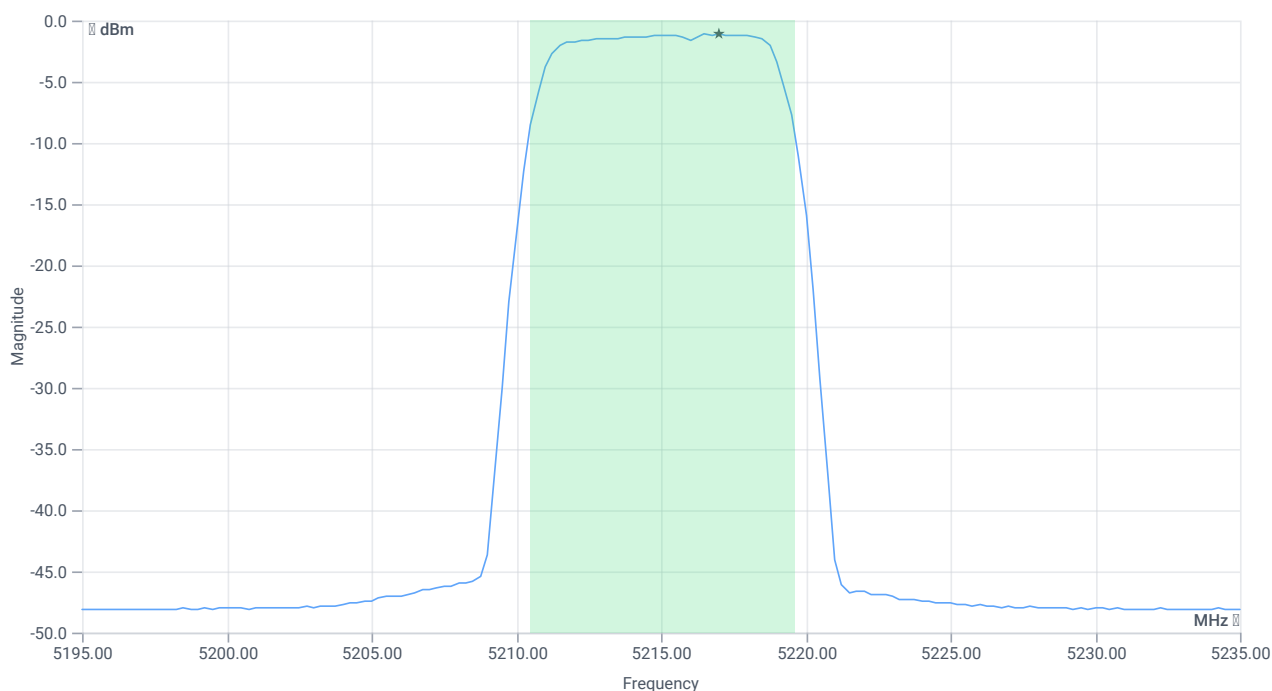
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.16	MHz	INFO
T1 26dB	---	---	5210.4800	MHz	INFO
T2 26dB	---	---	5219.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.44 13.59 25
Start [MHz] Stop [MHz]	5195.000 5235.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	7.48	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.48	dBm	PASS
LIMIT: 11 dBm + 10 log 9.16					
Max output power DC corrected cond	---	N/A	7.48	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-1.13	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-1.13	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:26:50
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5215 MHz

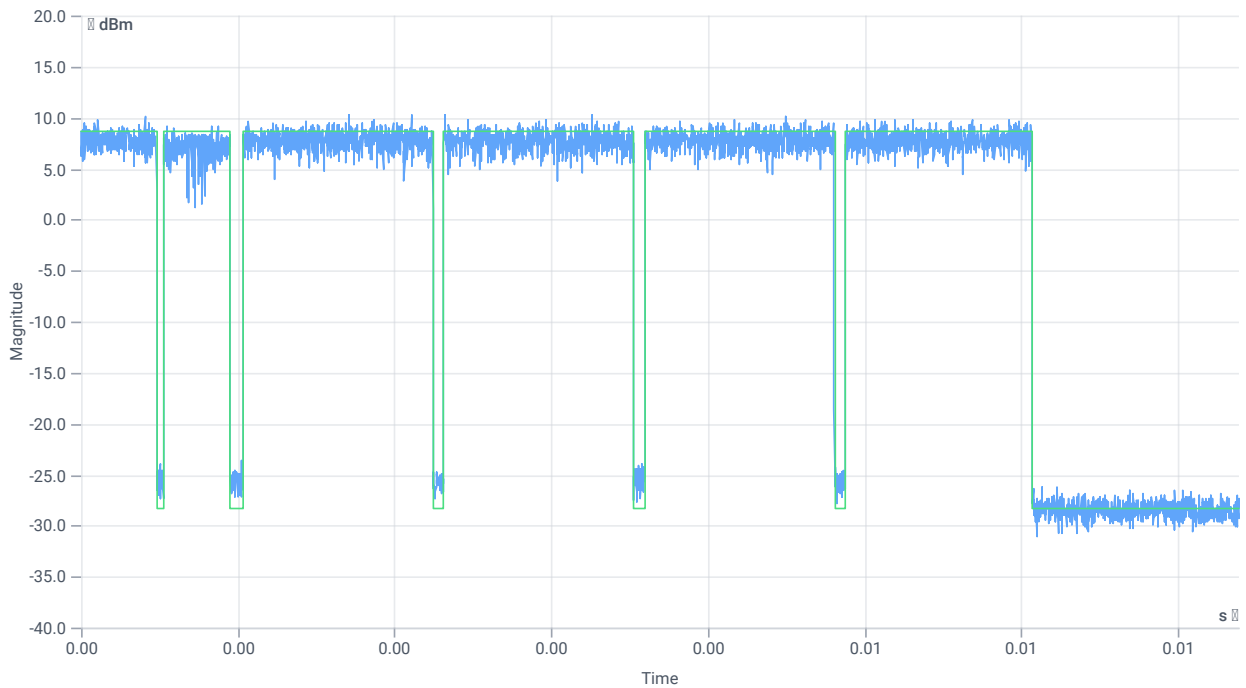
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.38	dBm	INFO
Ref. frequency	---	---	5213.000	MHz	INFO

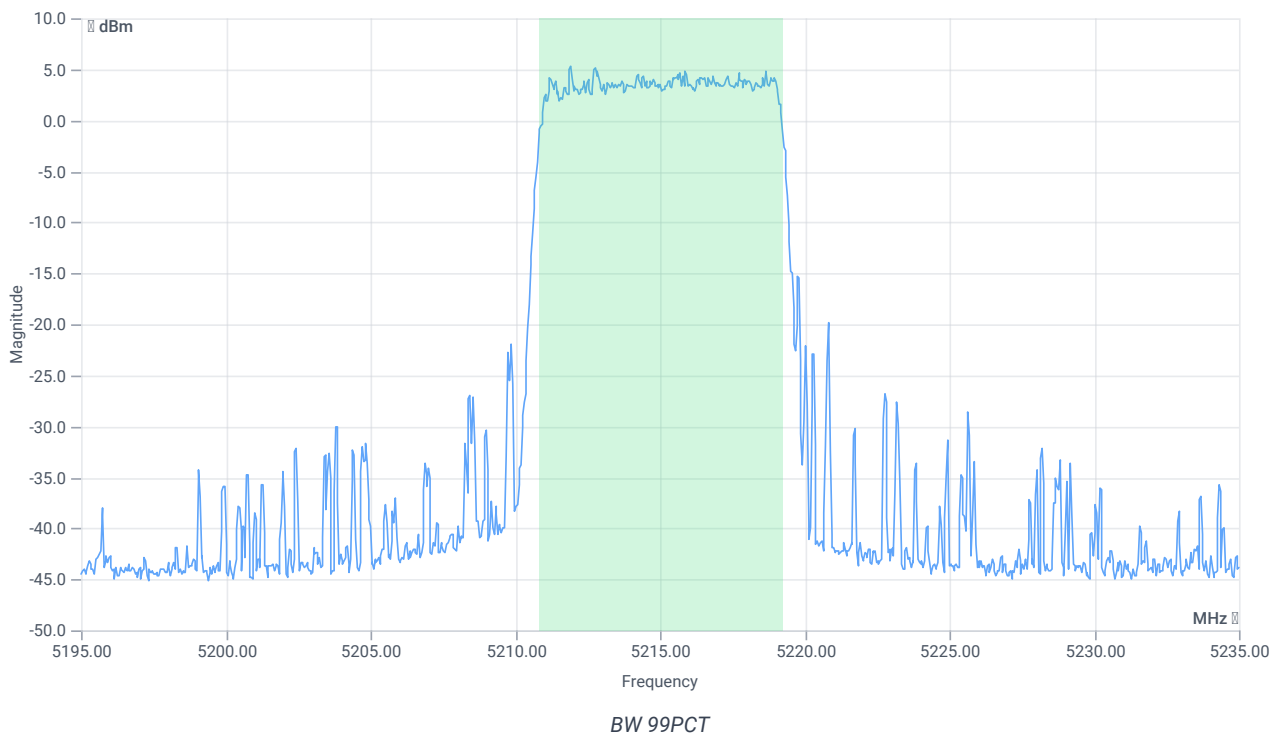
Evaluation max. duty cycle

DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	4	---	INFO
Estimated ON level	---	---	8.69	dBm	INFO
Estimated noise floor	---	---	-28.36	dBm	INFO
Dynamic range (ON - noise)	---	---	37.05	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9466	---	INFO
Duty cycle max	---	---	0.238	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.8406	---	INFO
Duty cycle min	---	---	0.754	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0683	ms	INFO
Max gap length	---	---	0.0813	ms	INFO



Evaluation bandwidth



RESULT

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

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	---	---	5210.8442	MHz	INFO
T2 99%	---	---	5219.2358	MHz	INFO

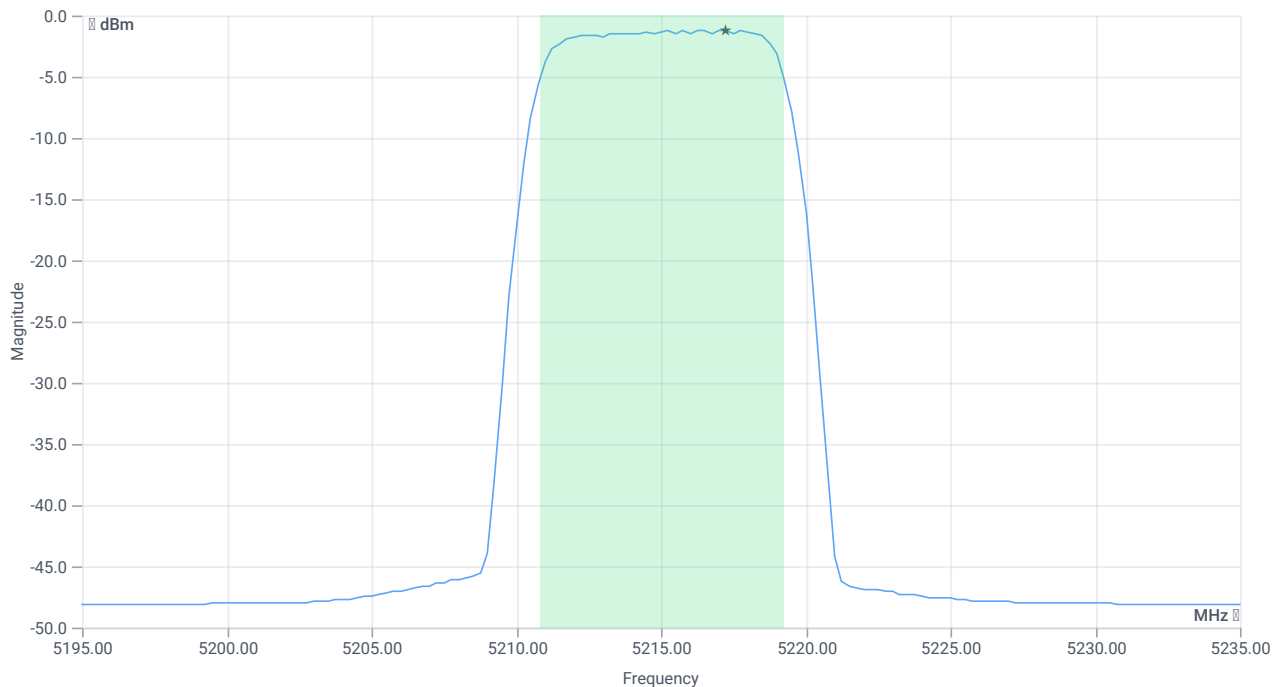
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5215 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.38 13.59 25
Start [MHz] Stop [MHz]	5195.000 5235.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6250 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	7.28	dBm	INFO
Duty cycle correction	---	---	0.75	dB	INFO
Max output power DC corrected cond	---	---	8.03	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	10.79	dBm	PASS
LIMIT: 10 dBm + 10 log 8.392					
Max output power DC corrected eirp	---	19.24	10.79	dBm	PASS
Power spectral density eirp	---		1.56	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	2.31	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	8.03	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:27:29
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5215
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5215 MHz

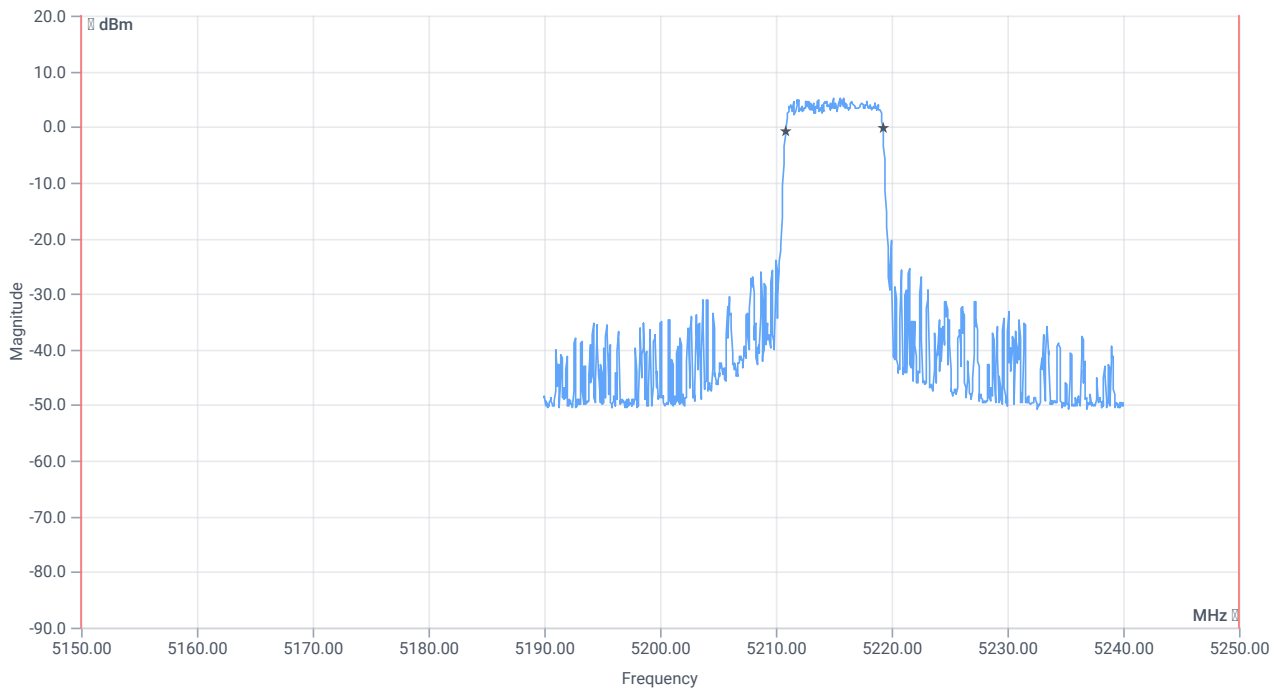
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.62	dBm	INFO
Ref. frequency	---	---	5211.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.62 13.59 20
Start [MHz] Stop [MHz]	5190.000 5240.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

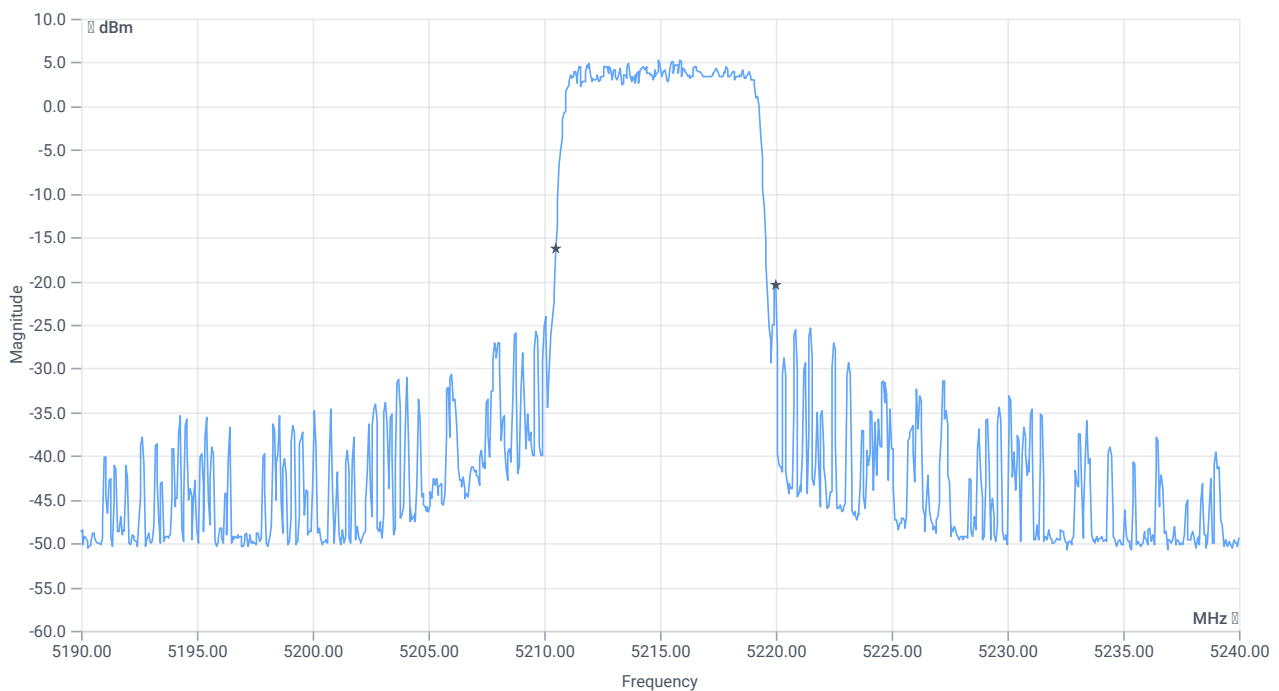




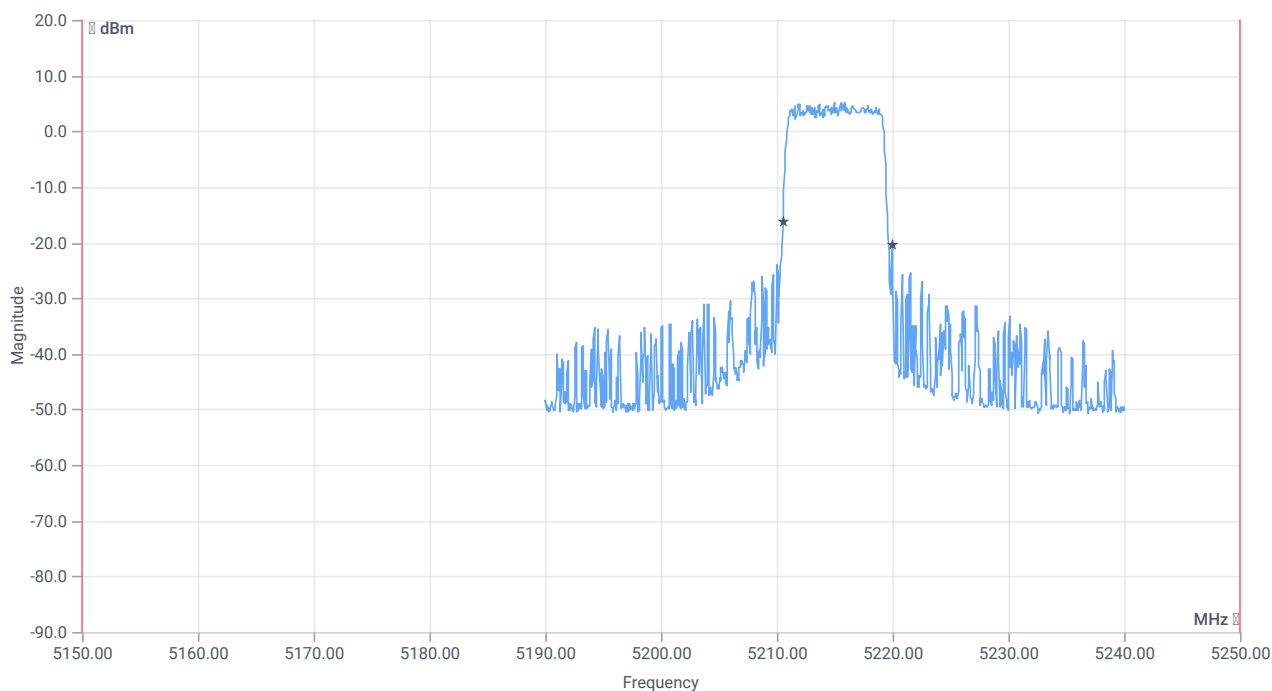
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	5150.000000	---	5210.8541	MHz	PASS
T2 99%	---	5250.000000	5219.2458	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.5	MHz	INFO
T1 26dB	5150.000000	---	5210.5000	MHz	PASS
T2 26dB	---	5250.000000	5220.0000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:28:01
Ambit temp (test rack) [°C] humidity [rel%]	24.8 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:28:04
Message	set WLAN5Gx to a_U-NII-1 Frequency [MHz]: 5240 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 10:28:37
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5245 MHz

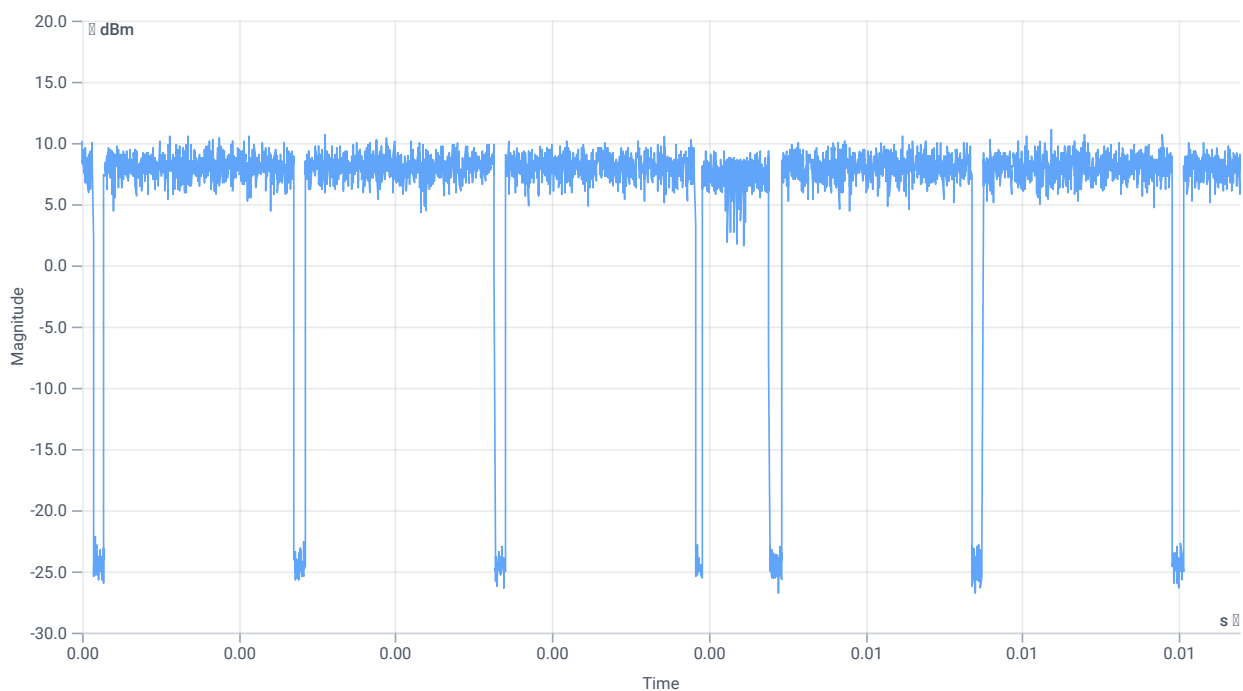
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.77	dBm	INFO
Ref. frequency	---	---	5245.200	MHz	INFO

Evaluation max. duty cycle

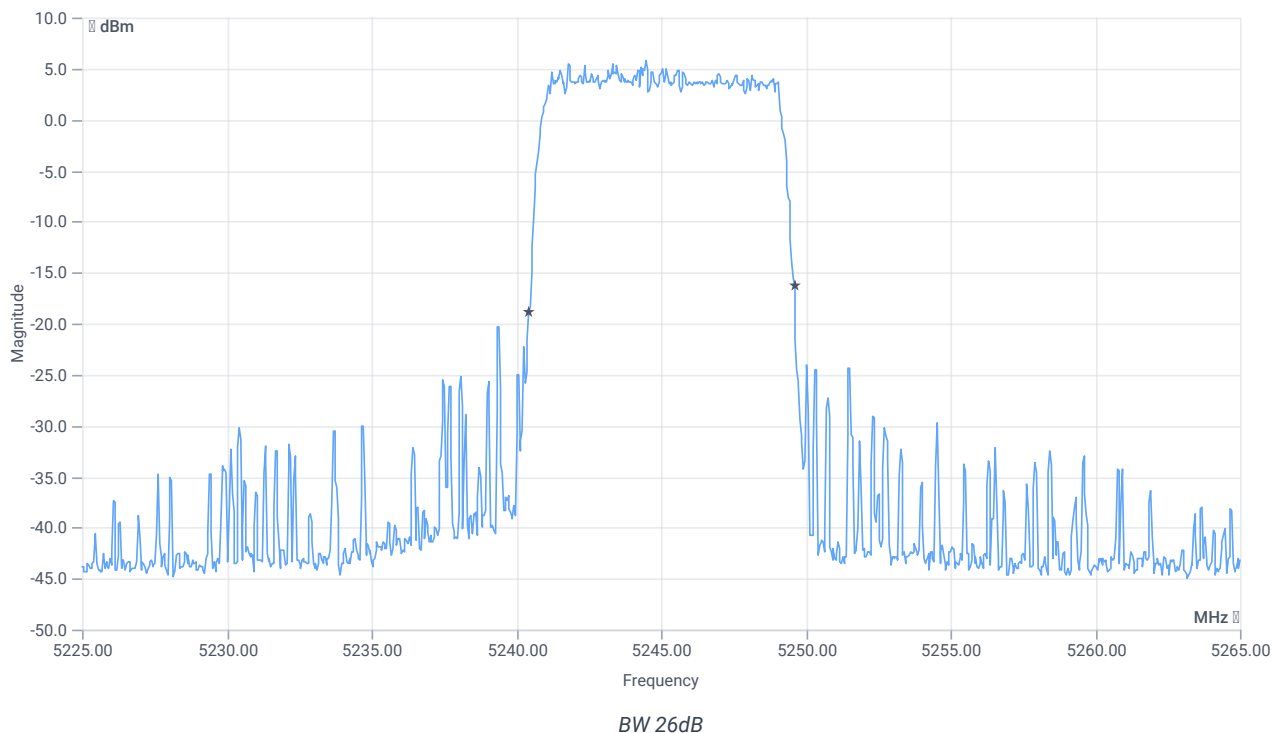
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.11	dB	INFO
Estimated ON level	---	---	9.19	dBm	INFO
Estimated noise floor	---	---	6.08	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



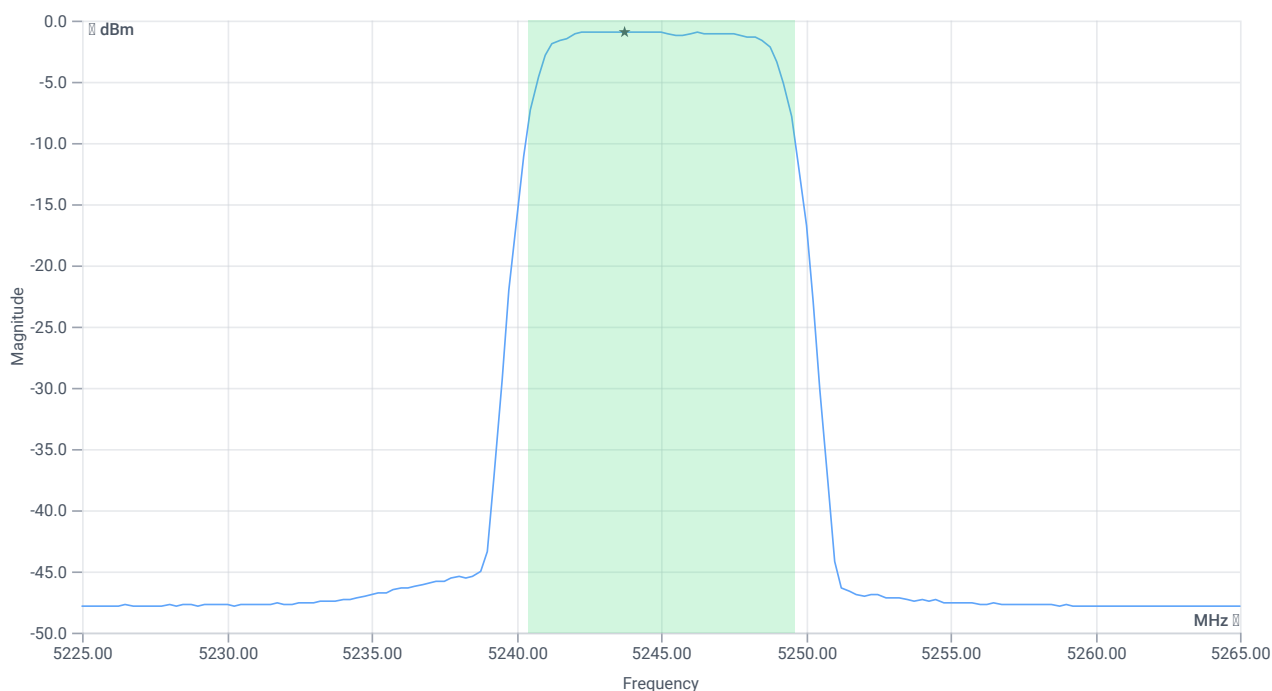
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.16	MHz	INFO
T1 26dB	---	---	5240.4400	MHz	INFO
T2 26dB	---	---	5249.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.77 13.89 25
Start [MHz] Stop [MHz]	5225.000 5265.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	7.78	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	7.78	dBm	PASS
LIMIT: 11 dBm + 10 log 9.16					
Max output power DC corrected cond	---	N/A	7.78	dBm	N/A

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.89	dBm/MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	11	-0.89	dBm/MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:29:11
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5245 MHz

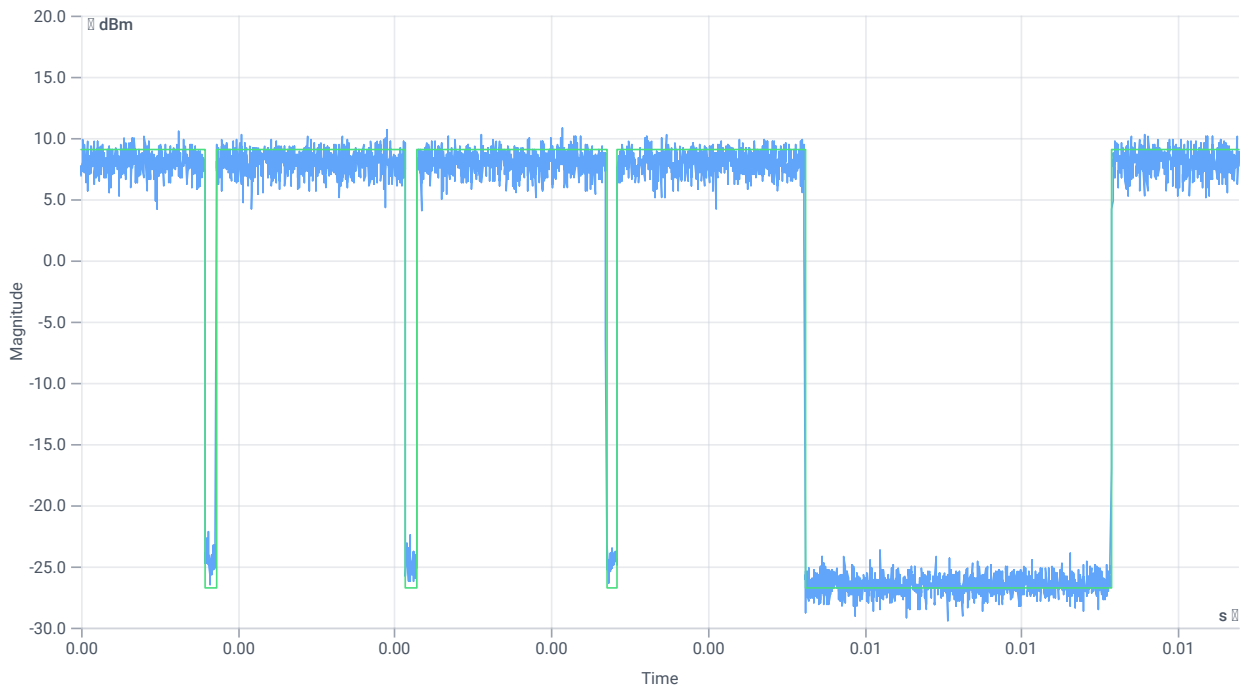
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.81	dBm	INFO
Ref. frequency	---	---	5242.600	MHz	INFO

Evaluation max. duty cycle

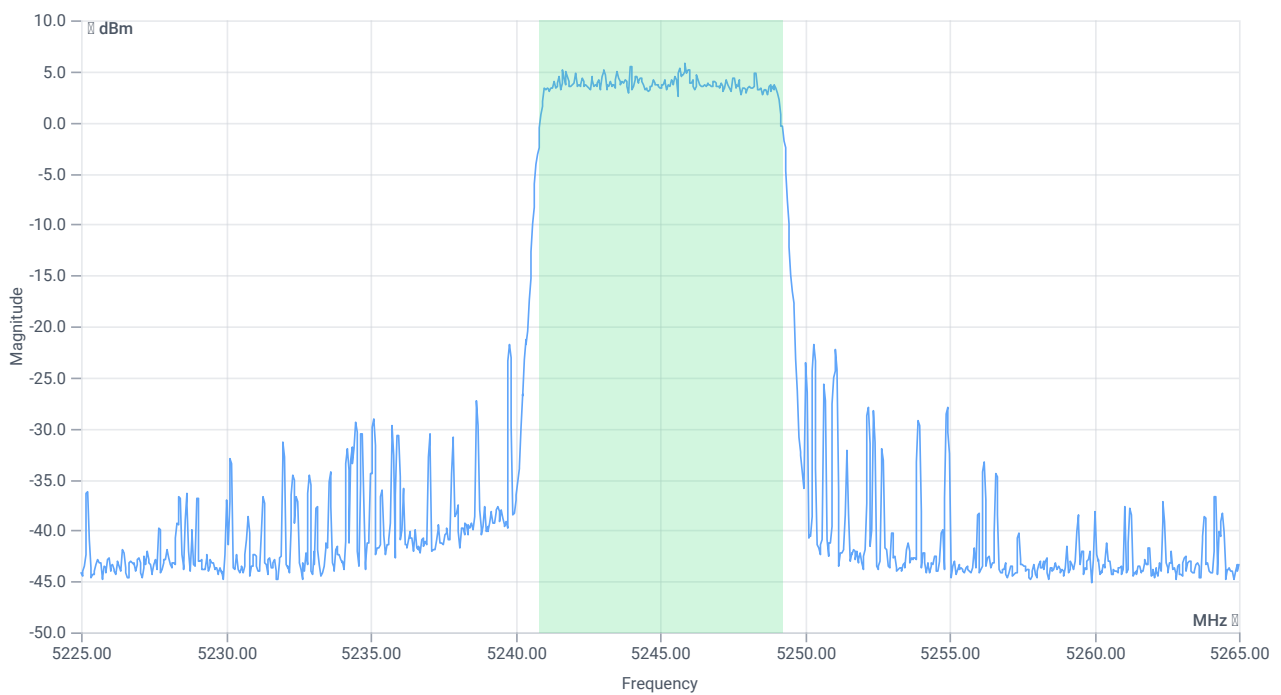
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	3	---	INFO
Estimated ON level	---	---	9.05	dBm	INFO
Estimated noise floor	---	---	-26.76	dBm	INFO
Dynamic range (ON - noise)	---	---	35.81	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9452	---	INFO
Duty cycle max	---	---	0.245	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.3786	---	INFO
Duty cycle min	---	---	4.218	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0702	ms	INFO
Max gap length	---	---	1.9617	ms	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 99PCT

RESULT

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

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	---	---	5240.8442	MHz	INFO
T2 99%	---	---	5249.2358	MHz	INFO

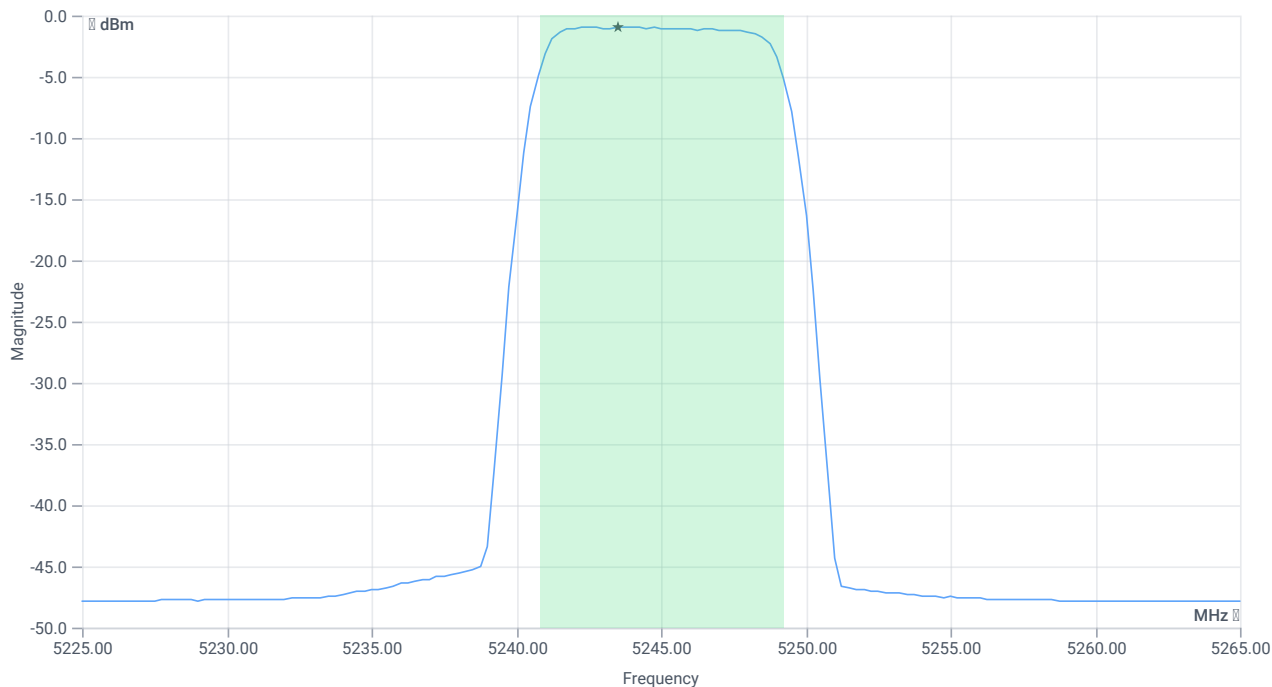
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.76 @ 5245 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.81 13.89 25
Start [MHz] Stop [MHz]	5225.000 5265.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	15400 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Vehicular use: No					

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	7.63	dBm	INFO
Duty cycle correction	---	---	4.22	dB	INFO
Max output power DC corrected cond	---	---	11.85	dBm	INFO
LIMIT absolute eirp					
Max output power DC corrected eirp	---	23	14.61	dBm	PASS
LIMIT: 10 dBm + 10 log 8.392					
Max output power DC corrected eirp	---	19.24	14.61	dBm	PASS
Power spectral density eirp	---		1.78	dBm/MHz	INFO
Power spectral density DC corrected eirp	---	10	6	dBm/MHz	PASS
LIMIT absolute cond (RSS-247 §6.2.1)					
Max output power DC corrected cond	---	24	11.85	dBm	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-1

References

TC start	07.08.2026 10:30:00
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
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 U-NII-1
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5245
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

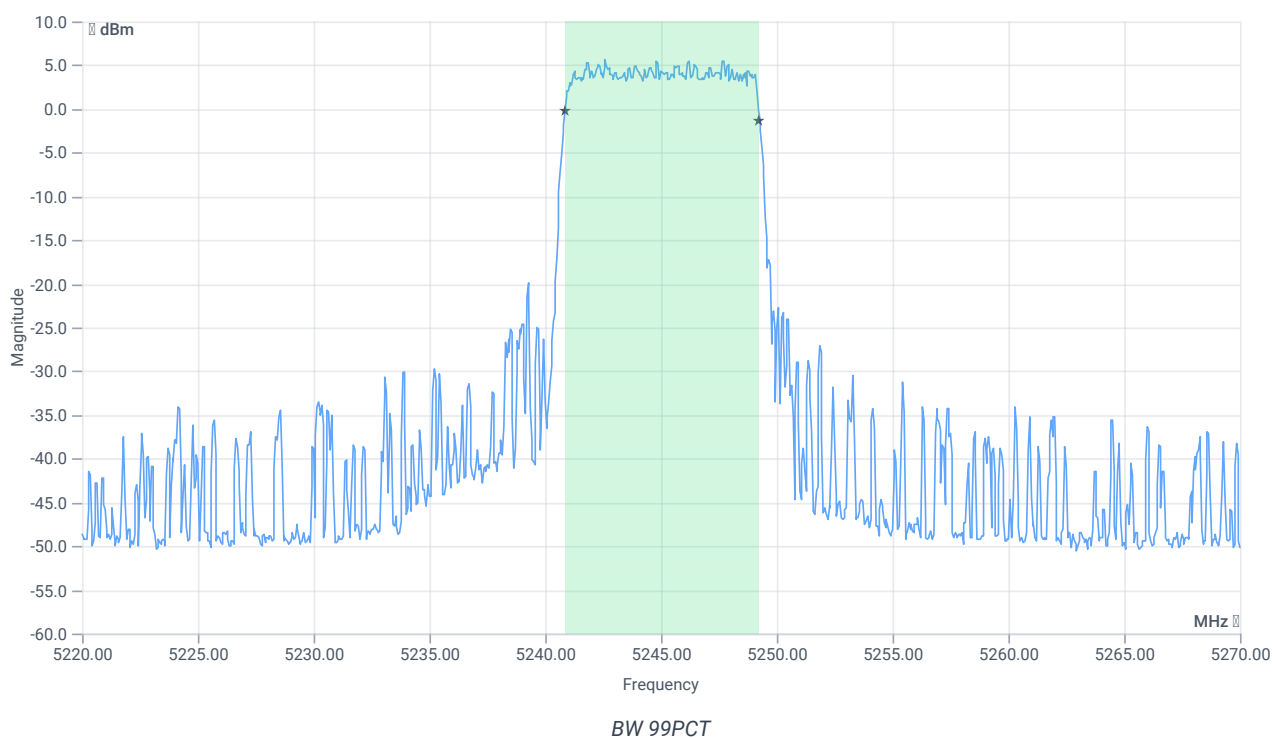
Test at TX 5245 MHz

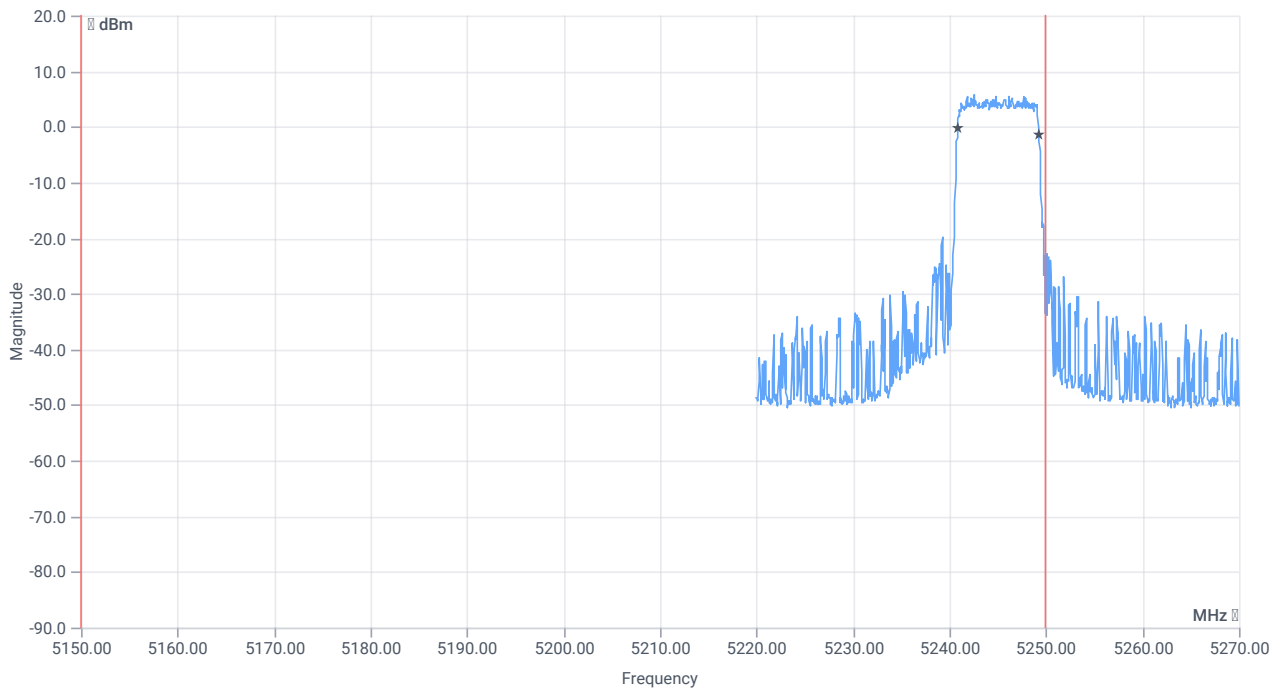
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.54	dBm	INFO
Ref. frequency	---	---	5247.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.54 13.89 20
Start [MHz] Stop [MHz]	5220.000 5270.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

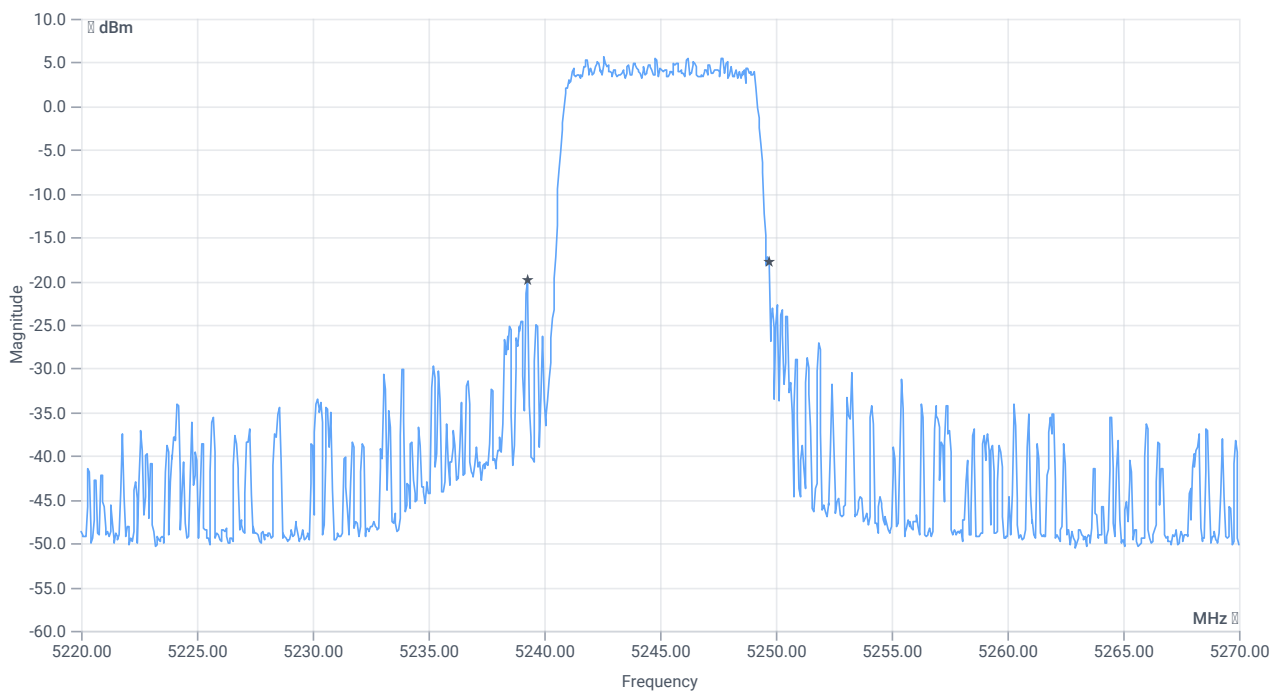




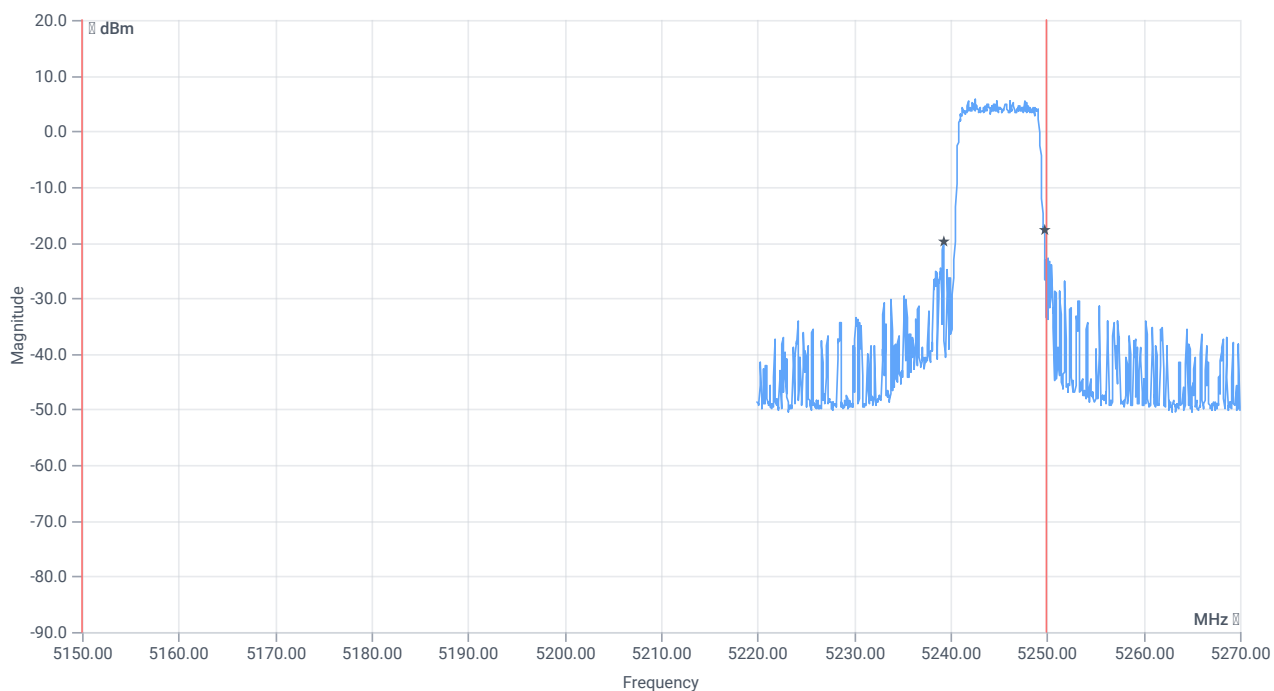
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.392	MHz	INFO
T1 99%	5150.000000	---	5240.8541	MHz	PASS
T2 99%	---	5250.000000	5249.2458	MHz	PASS



BW 26dB



BW within band 26dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	10.45	MHz	INFO
T1 26dB	5150.000000	---	5239.2500	MHz	PASS
T2 26dB	---	5250.000000	5249.7000	MHz	PASS

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:33:53
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:33:56
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5745 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	10.08.2026 12:50:48
Ambit temp (test rack) [°C] humidity [rel%]	25.6 48
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	RE_DC

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5730 MHz

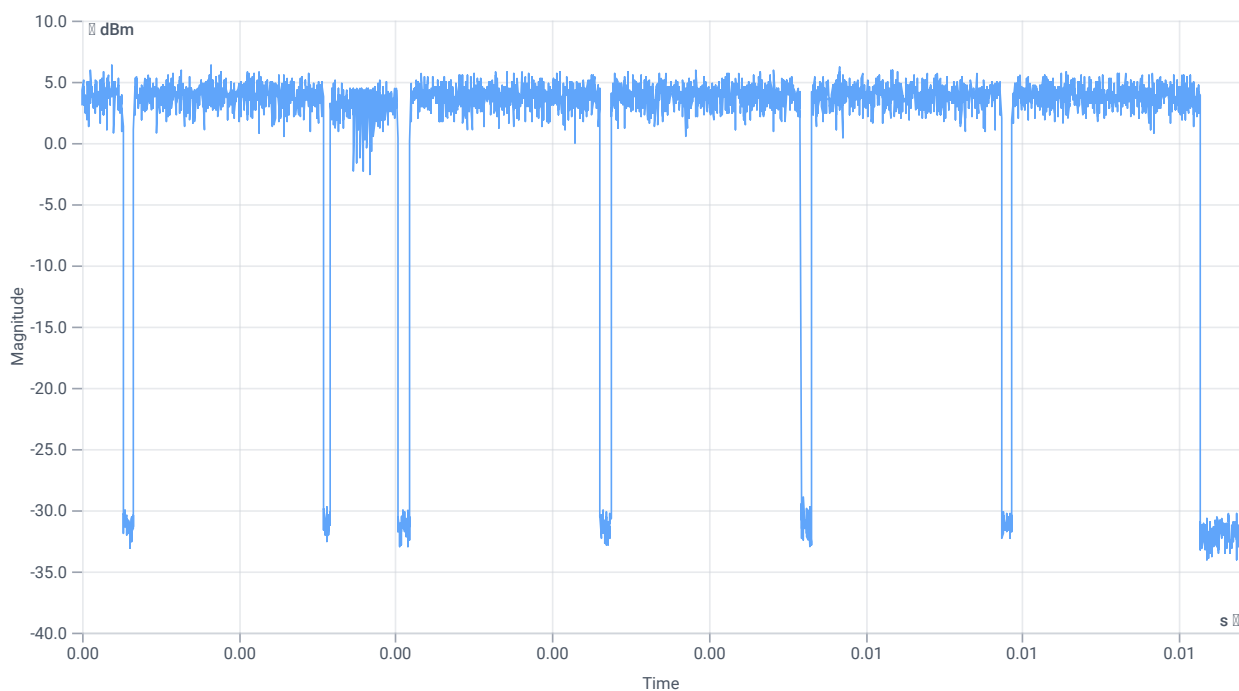
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.47	dBm	INFO
Ref. frequency	---	---	5729.800	MHz	INFO

Evaluation max. duty cycle

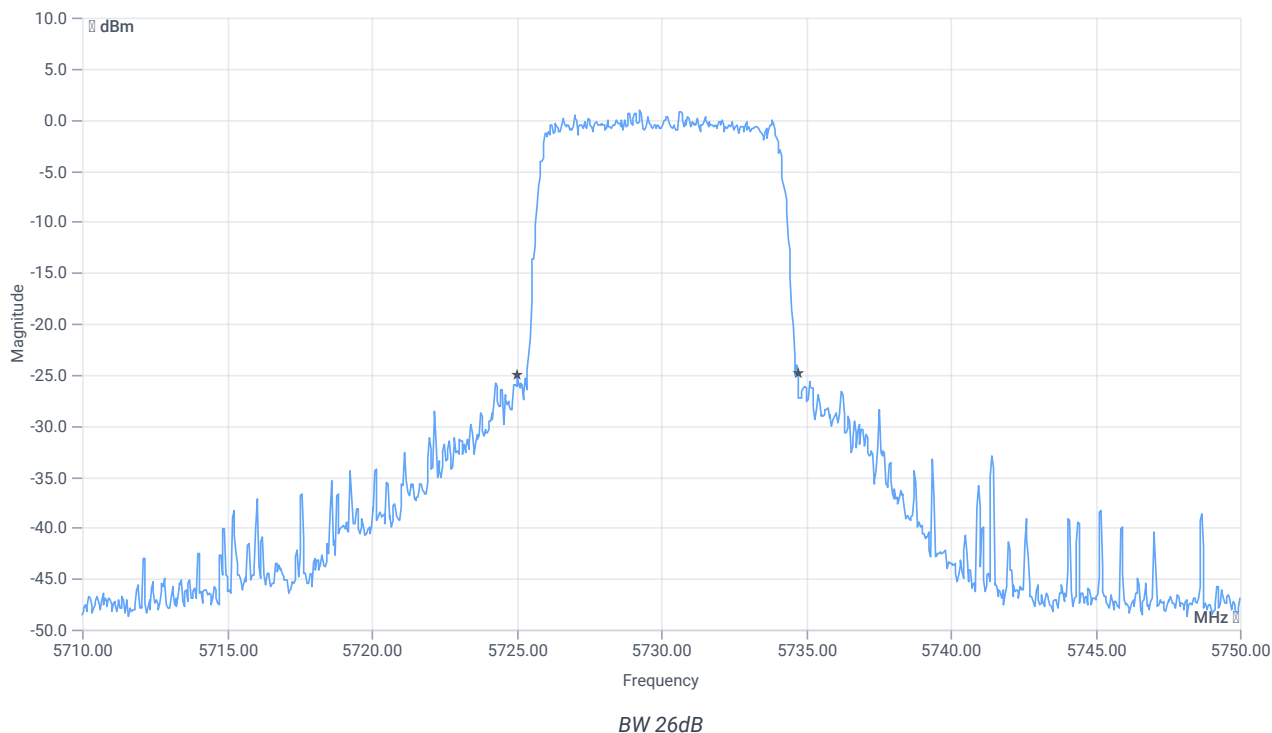
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	3.73	dB	INFO
Estimated ON level	---	---	4.88	dBm	INFO
Estimated noise floor	---	---	1.15	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



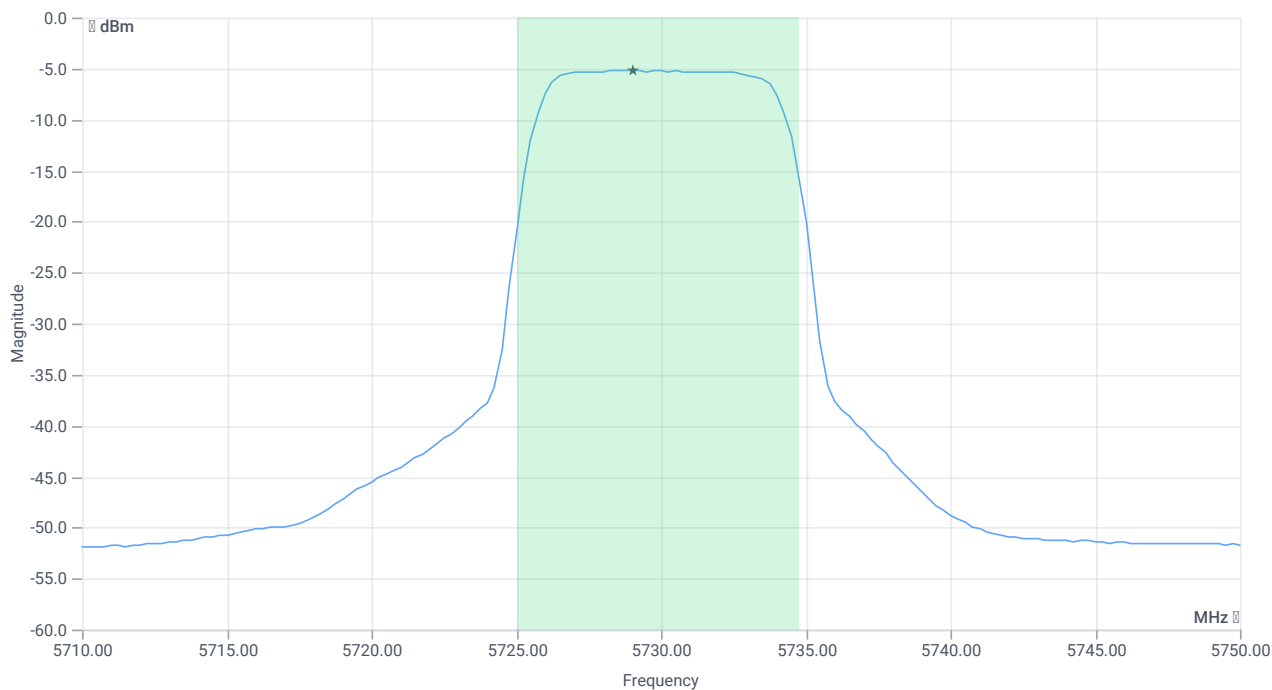
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.68	MHz	INFO
T1 26dB	---	---	5725.0400	MHz	INFO
T2 26dB	---	---	5734.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.47 14.32 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



Max OP and PSD

RESULT

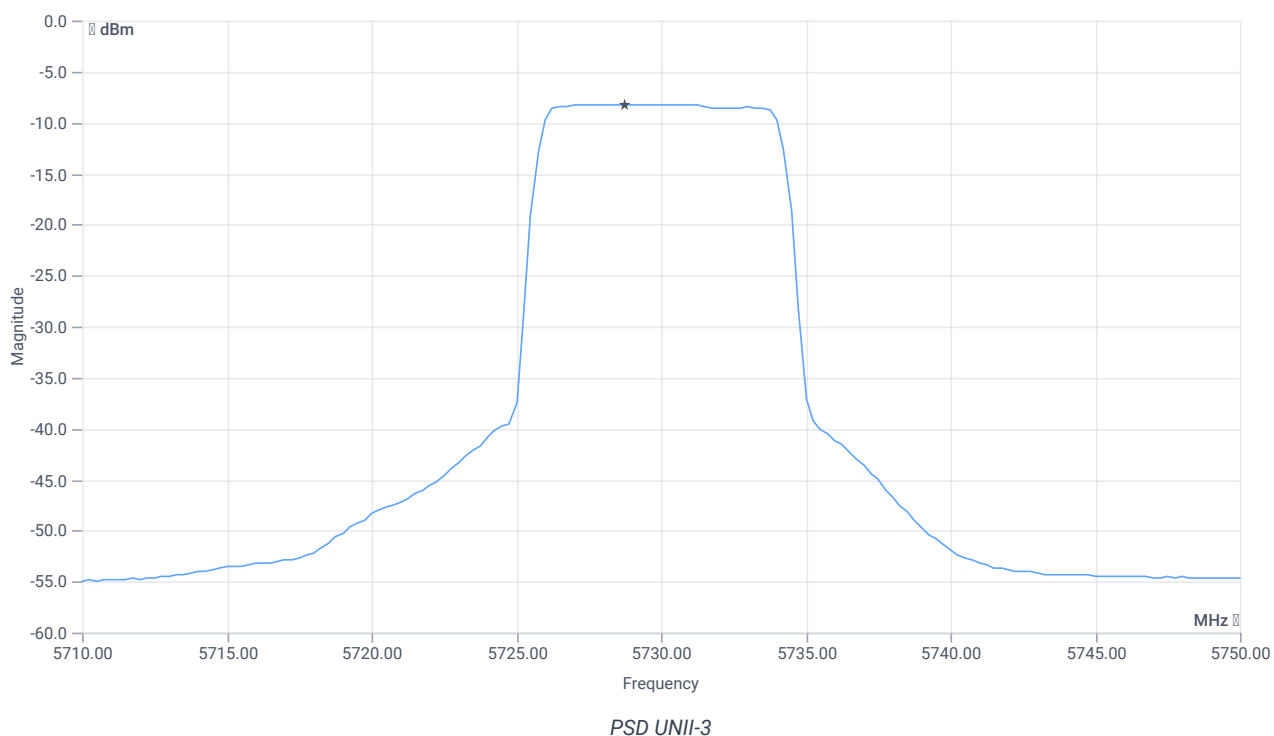
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	3.53	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	3.53	dBm	PASS
LIMIT: 11 dBm + 10 log 9.68					
Max output power DC corrected cond	---	N/A	3.53	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.47 14.32 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.25	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0	dB	INFO
Power spectral density DC corrected cond	---	30	-8.25	dBm/0.5MHz	PASS

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:35:24
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5730 MHz

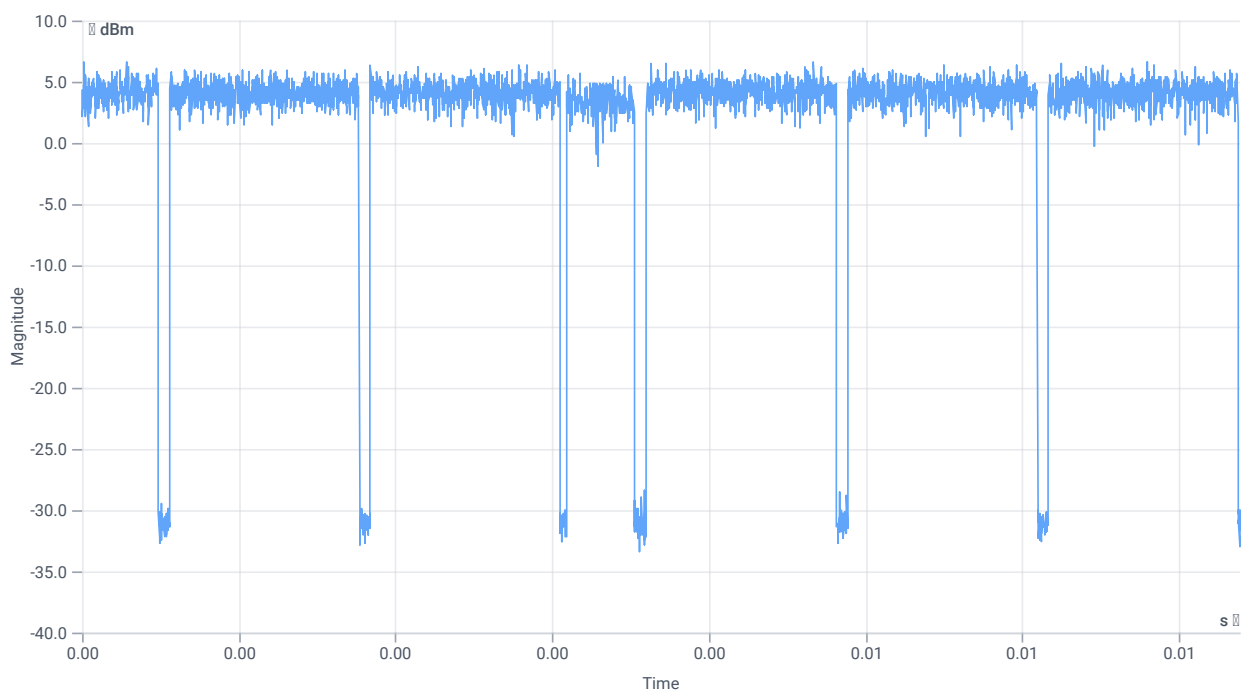
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.65	dBm	INFO
Ref. frequency	---	---	5727.200	MHz	INFO

Evaluation max. duty cycle

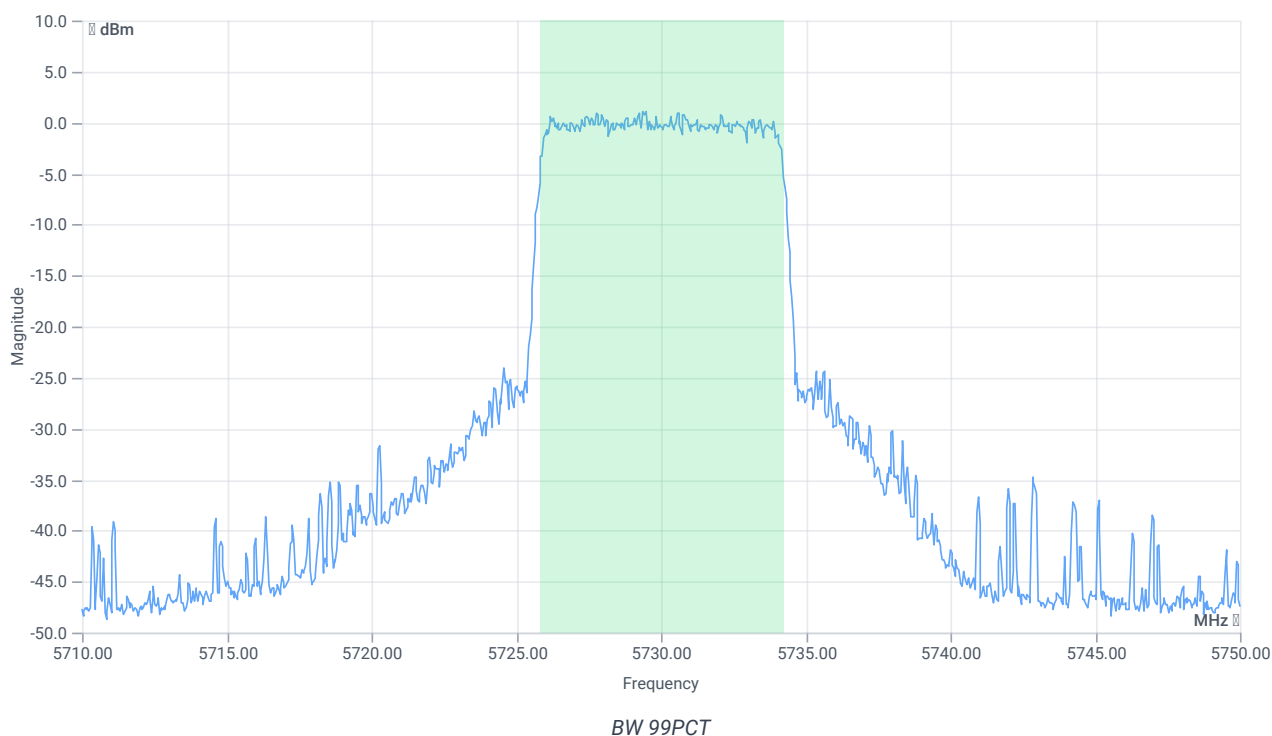
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.79	dB	INFO
Estimated ON level	---	---	5.17	dBm	INFO
Estimated noise floor	---	---	2.38	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5725.8042	MHz	INFO
T2 99%	---	---	5734.2358	MHz	INFO

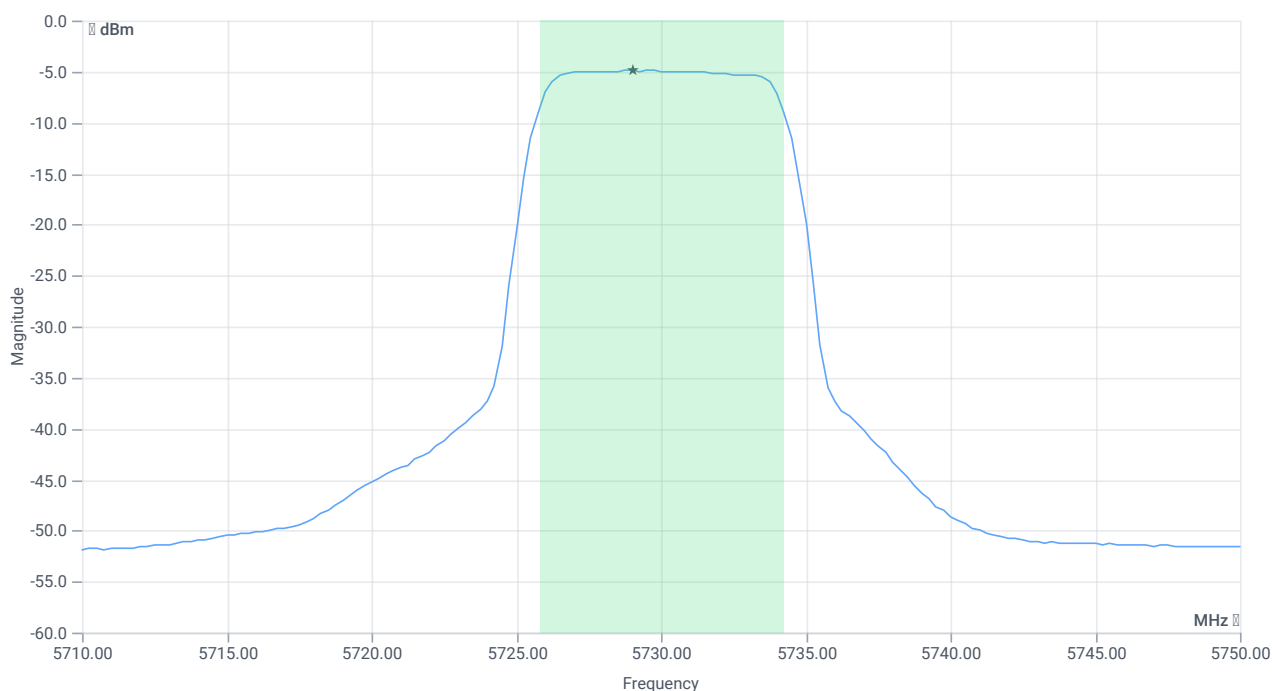
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.45 @ 5730 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.65 14.32 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



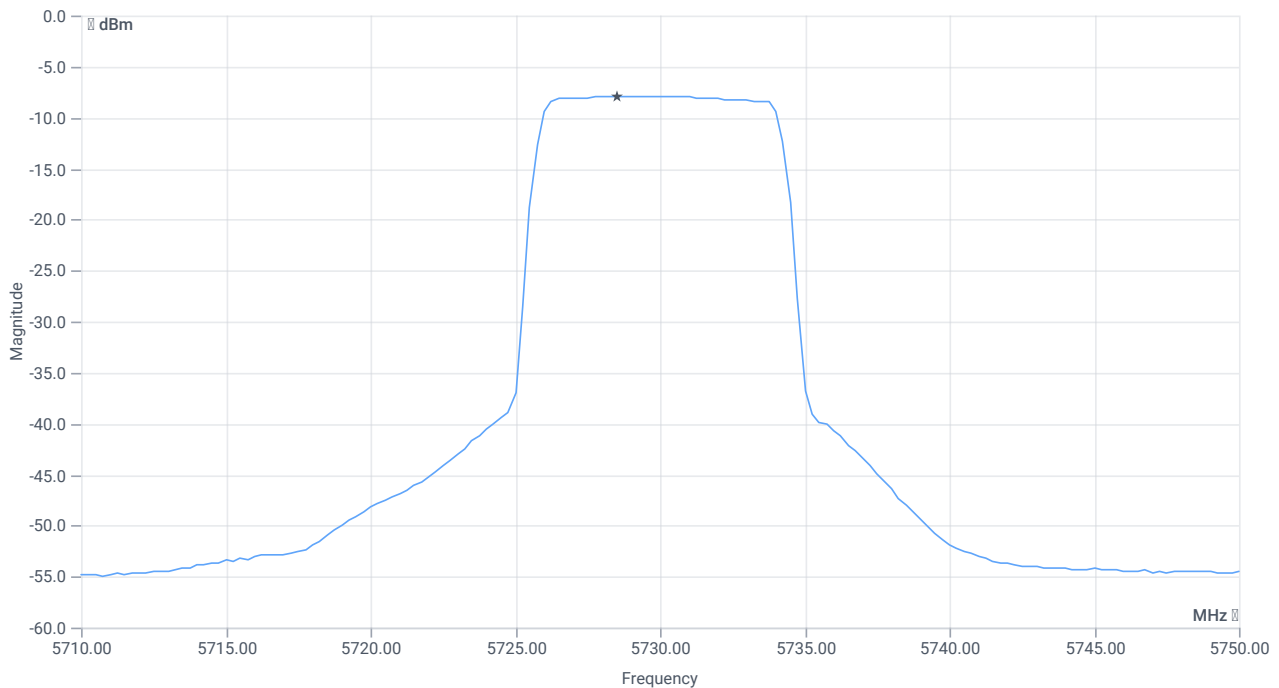
Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	3.69	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	3.69	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	6.14	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.65 14.32 20
Start [MHz] Stop [MHz]	5710.000 5750.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



PSD UNII-3

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-7.94	dBm/0.5MHz	INFO
Power spectral density DC corrected cond	---	30	-7.94	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:36:02
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5730 MHz

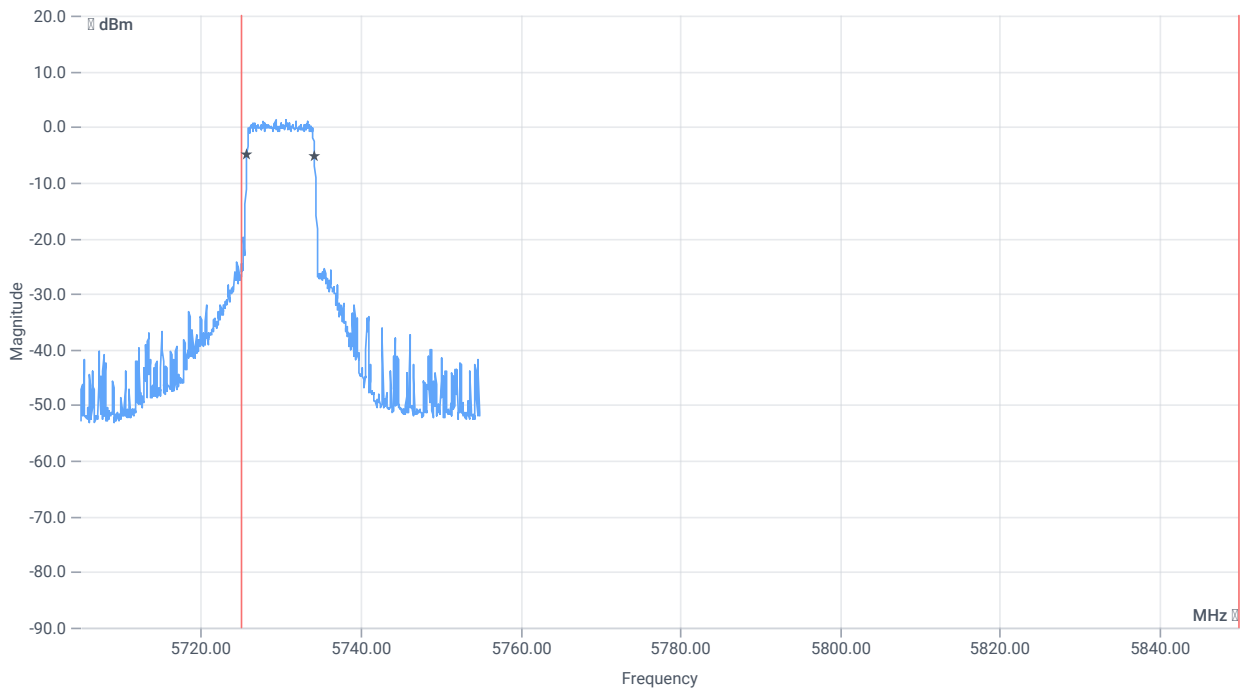
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.21	dBm	INFO
Ref. frequency	---	---	5728.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.21 14.32 15
Start [MHz] Stop [MHz]	5705.000 5755.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

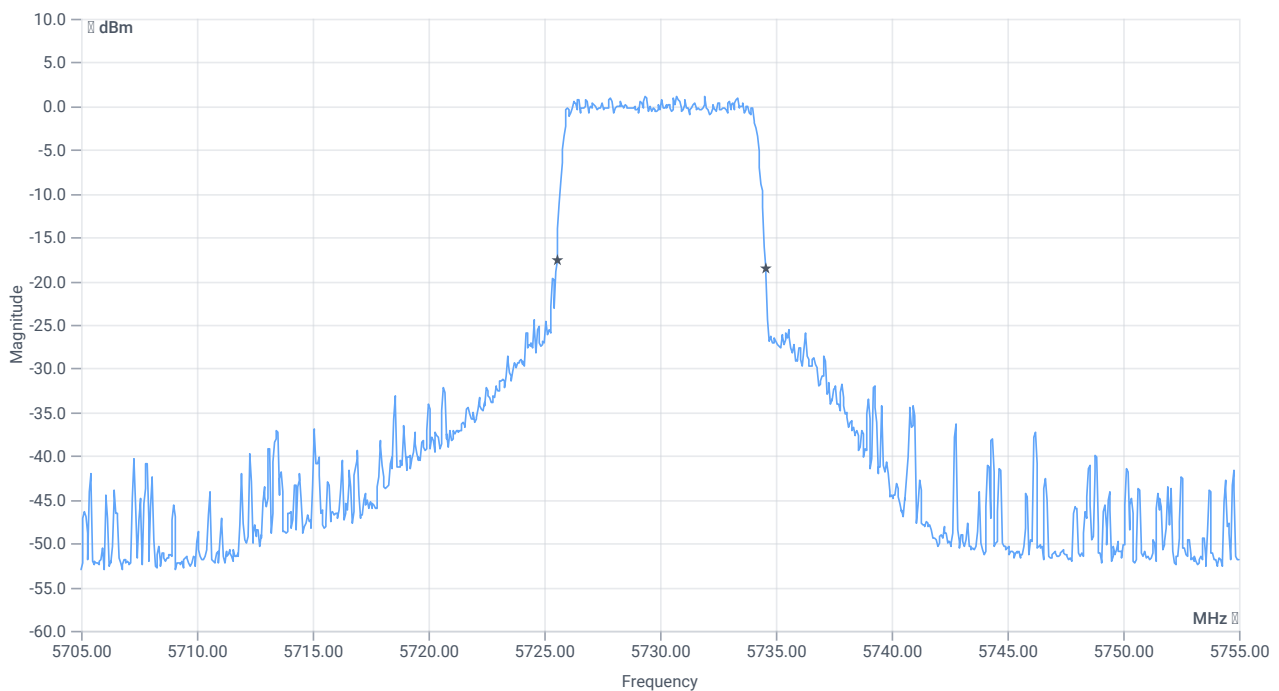




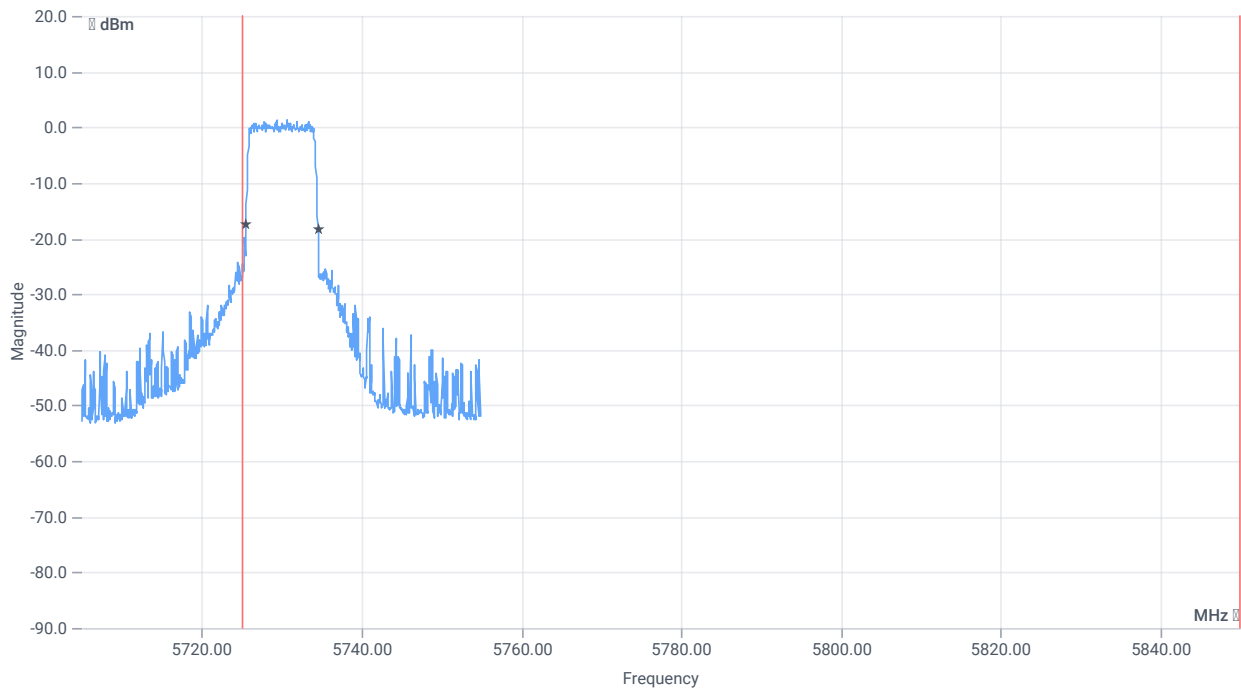
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5725.8042	MHz	PASS
T2 99%	---	5850.000000	5734.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	9	MHz	INFO
T1 20dB	5725.000000	---	5725.5500	MHz	PASS
T2 20dB	---	5850.000000	5734.5500	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:36:35
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

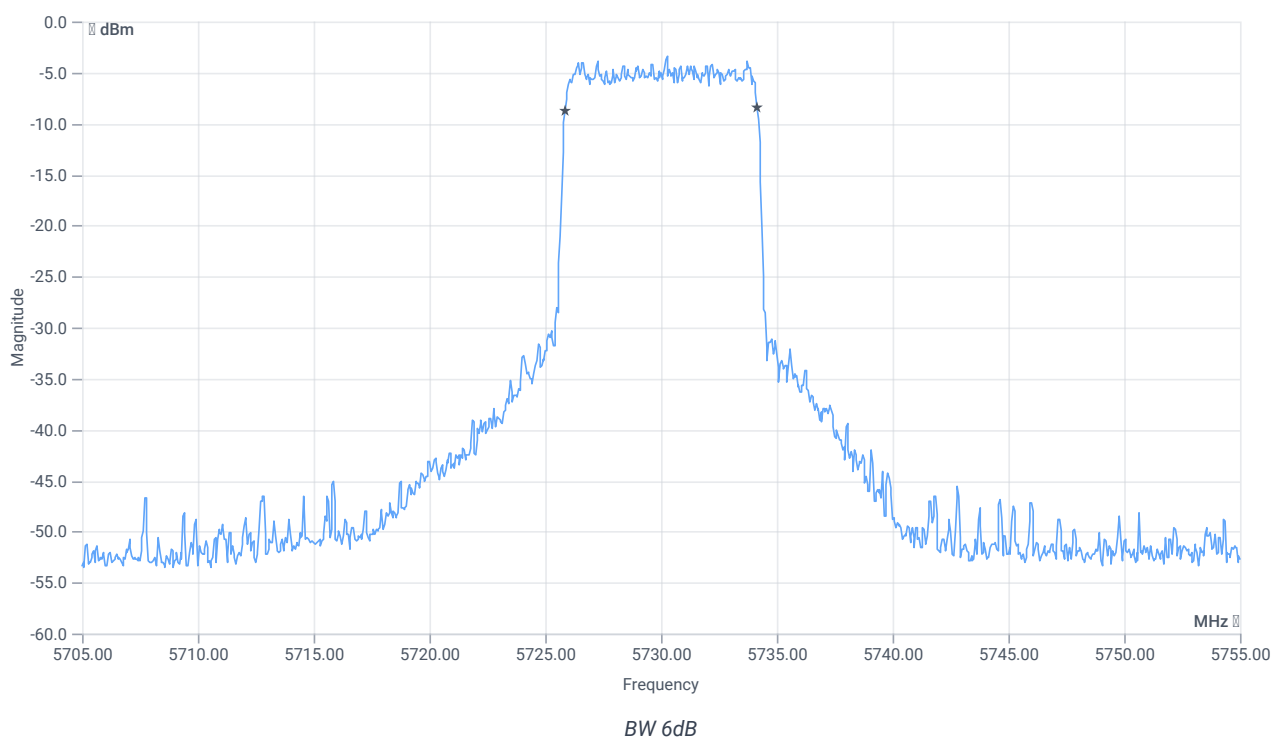
Test at TX 5730 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.58	dBm	INFO
Ref. frequency	---	---	5728.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.58 14.32 20
Start [MHz] Stop [MHz]	5705.000 5755.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.3	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:37:19
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5730
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5730 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

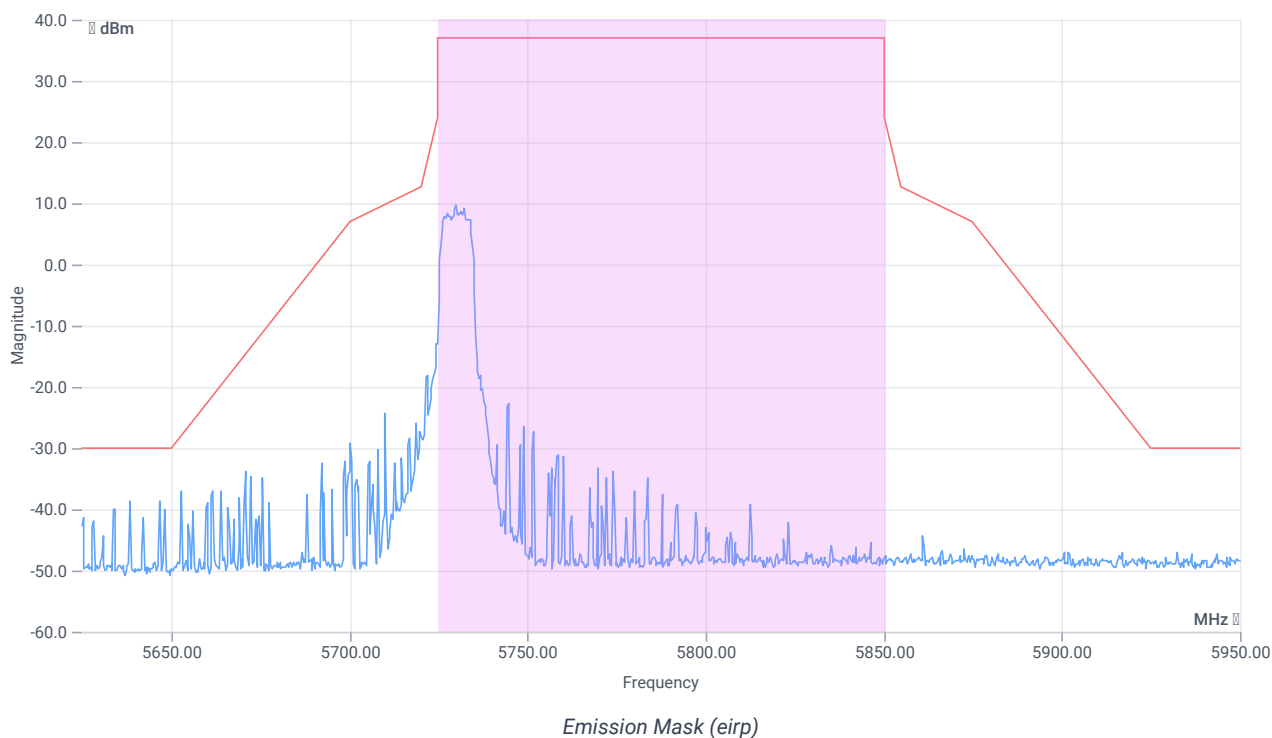
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.85	dBm	INFO
Ref. frequency	---	---	5731.000	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
--------------------------------	---

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.85 14.32 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
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken			Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 169 of 213		

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:37:59
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:38:01
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5785 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 10:38:12
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5775 MHz

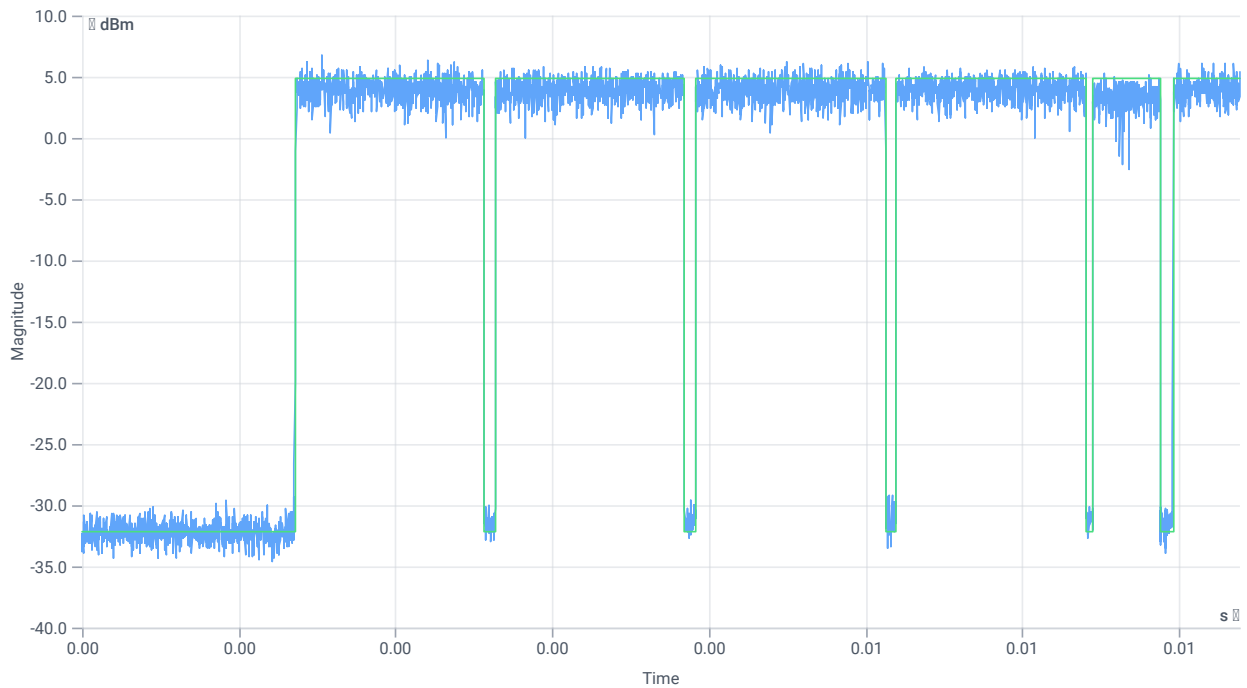
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.48	dBm	INFO
Ref. frequency	---	---	5777.000	MHz	INFO

Evaluation max. duty cycle

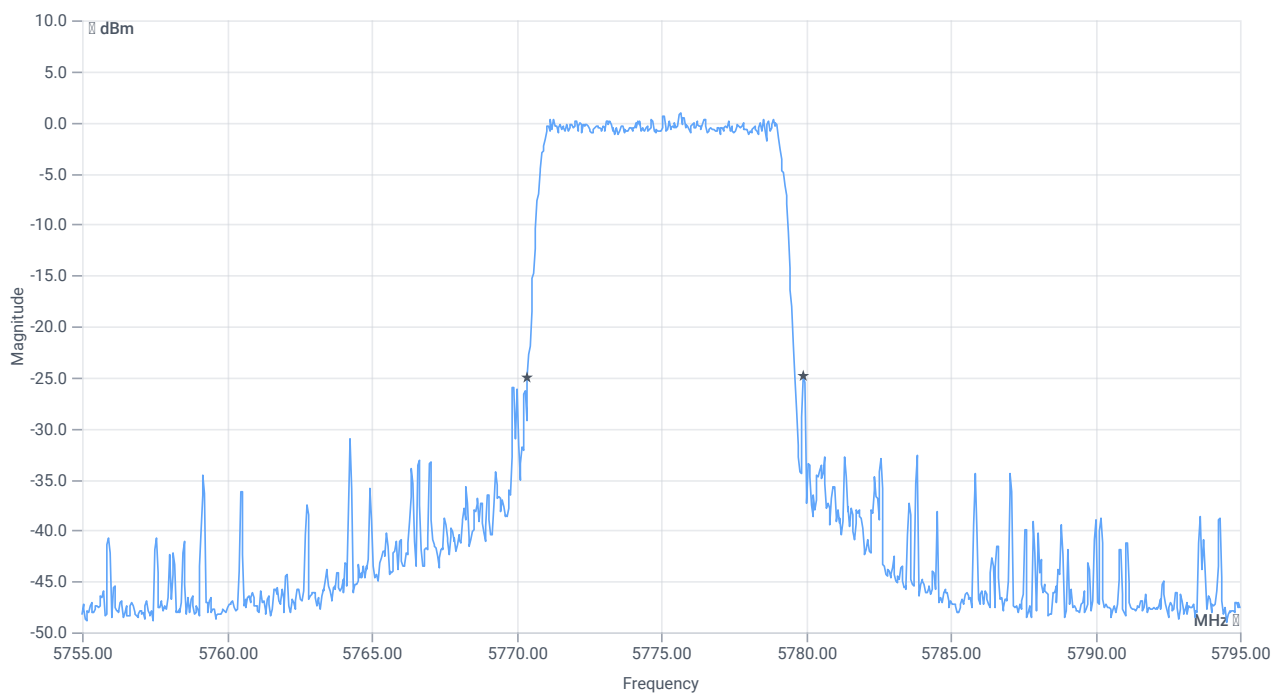
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	5	---	INFO
Estimated ON level	---	---	4.91	dBm	INFO
Estimated noise floor	---	---	-32.14	dBm	INFO
Dynamic range (ON - noise)	---	---	37.05	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9647	---	INFO
Duty cycle max	---	---	0.156	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.8406	---	INFO
Duty cycle min	---	---	0.754	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0443	ms	INFO
Max gap length	---	---	0.0813	ms	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 26dB

RESULT

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

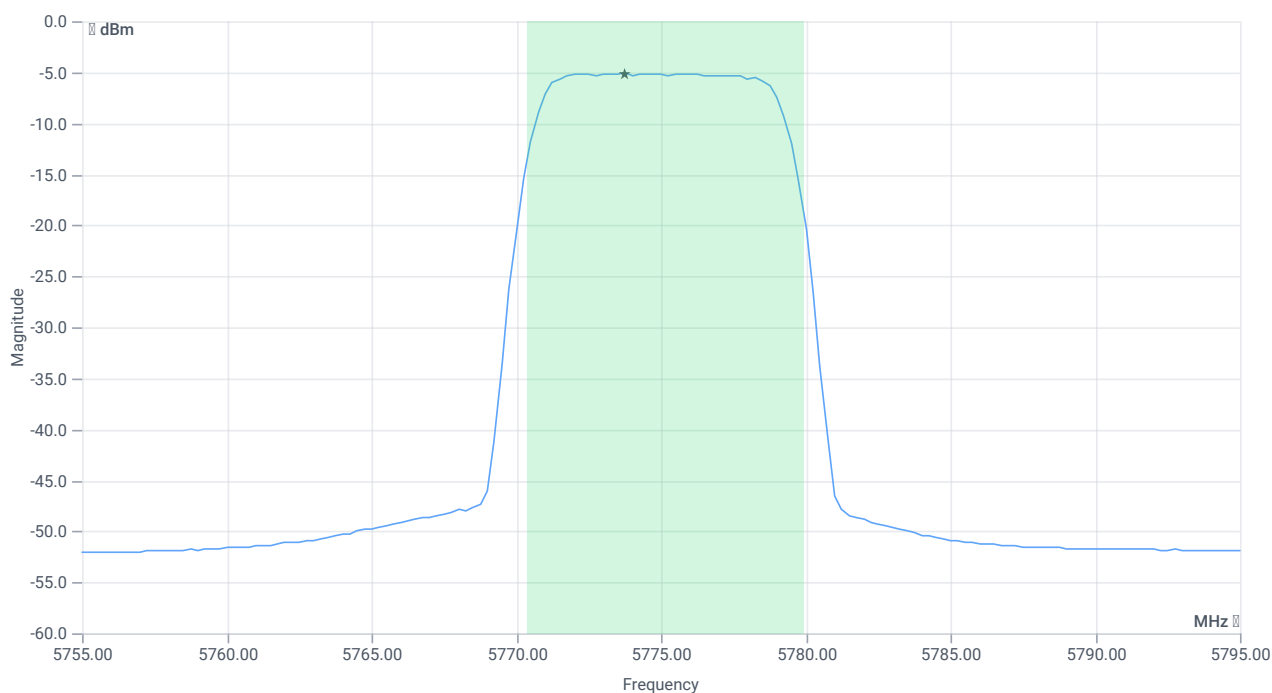
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.52	MHz	INFO
T1 26dB	---	---	5770.4000	MHz	INFO
T2 26dB	---	---	5779.9200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.48 13.86 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6250 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	3.61	dBm	INFO
Duty cycle correction	---	---	0.75	dB	INFO

LIMIT absolute:

RESULT

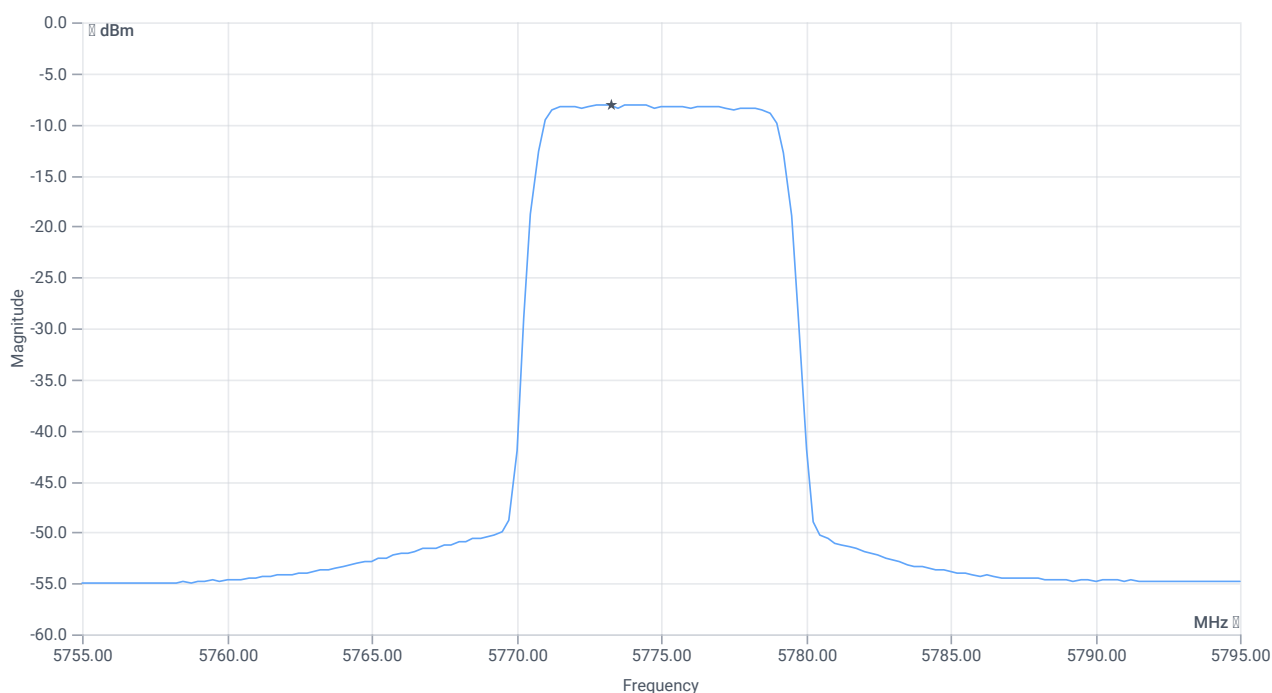
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Max output power DC --- corrected cond	30	4.36	dBm	PASS
LIMIT: 11 dBm + 10 log 9.52				
Max output power DC --- corrected cond	N/A	4.36	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.48 13.86 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6250 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-8.14	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.75	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Power spectral density DC corrected cond	--	30	-7.39	dBm/0.5MHz	PASS
--	----	----	-------	------------	------

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:39:01
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5775 MHz

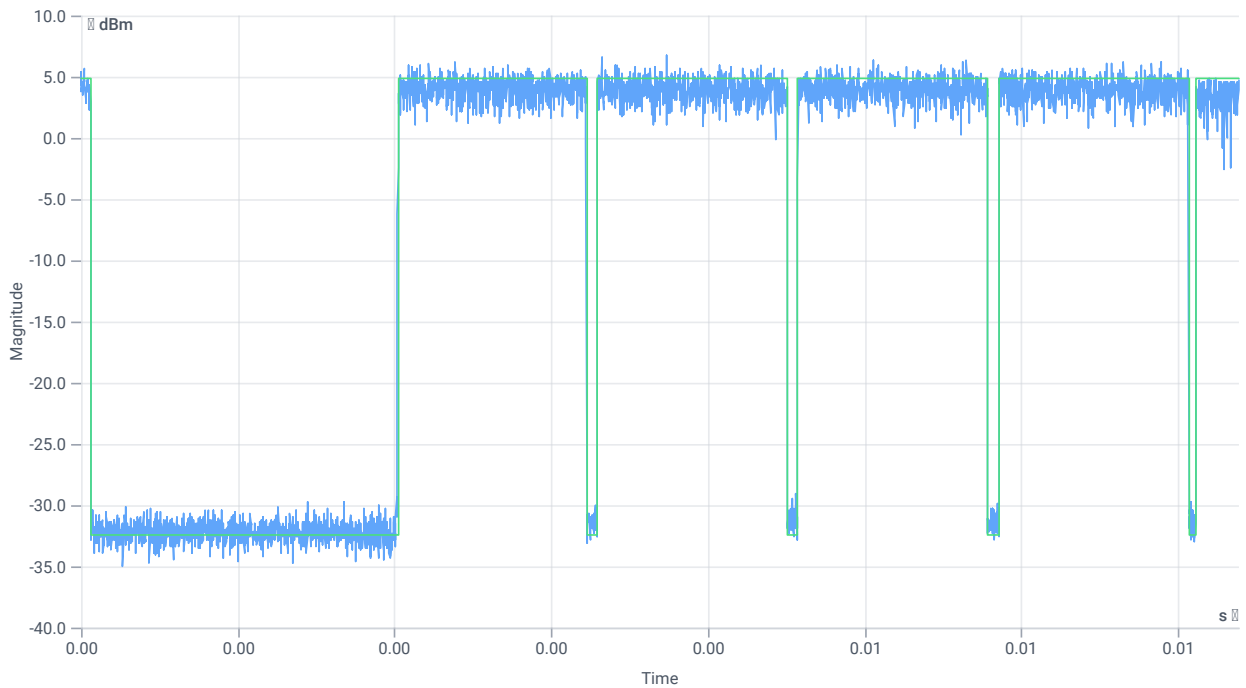
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.94	dBm	INFO
Ref. frequency	---	---	5775.000	MHz	INFO

Evaluation max. duty cycle

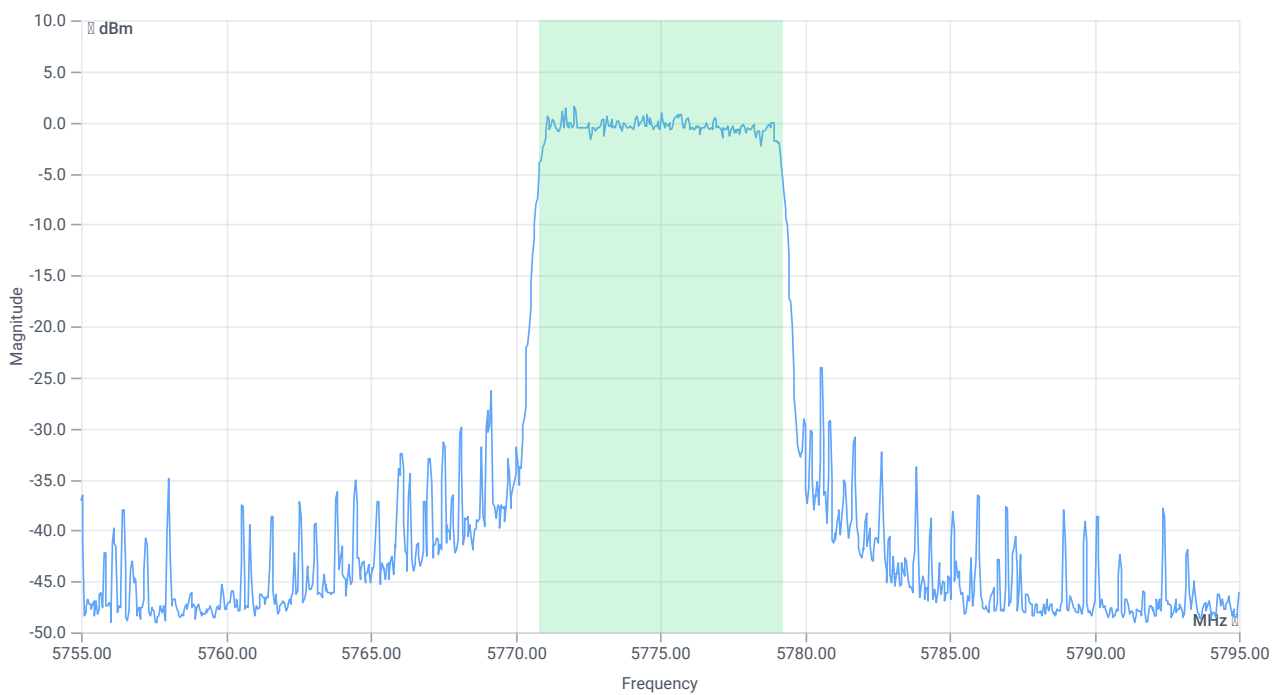
DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	4	---	INFO
Estimated ON level	---	---	4.87	dBm	INFO
Estimated noise floor	---	---	-32.47	dBm	INFO
Dynamic range (ON - noise)	---	---	37.34	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9647	---	INFO
Duty cycle max	---	---	0.156	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.9448	---	INFO
Duty cycle min	---	---	0.247	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0443	ms	INFO
Max gap length	---	---	0.0702	ms	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



BW 99PCT

RESULT

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

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5770.8042	MHz	INFO
T2 99%	---	---	5779.2358	MHz	INFO

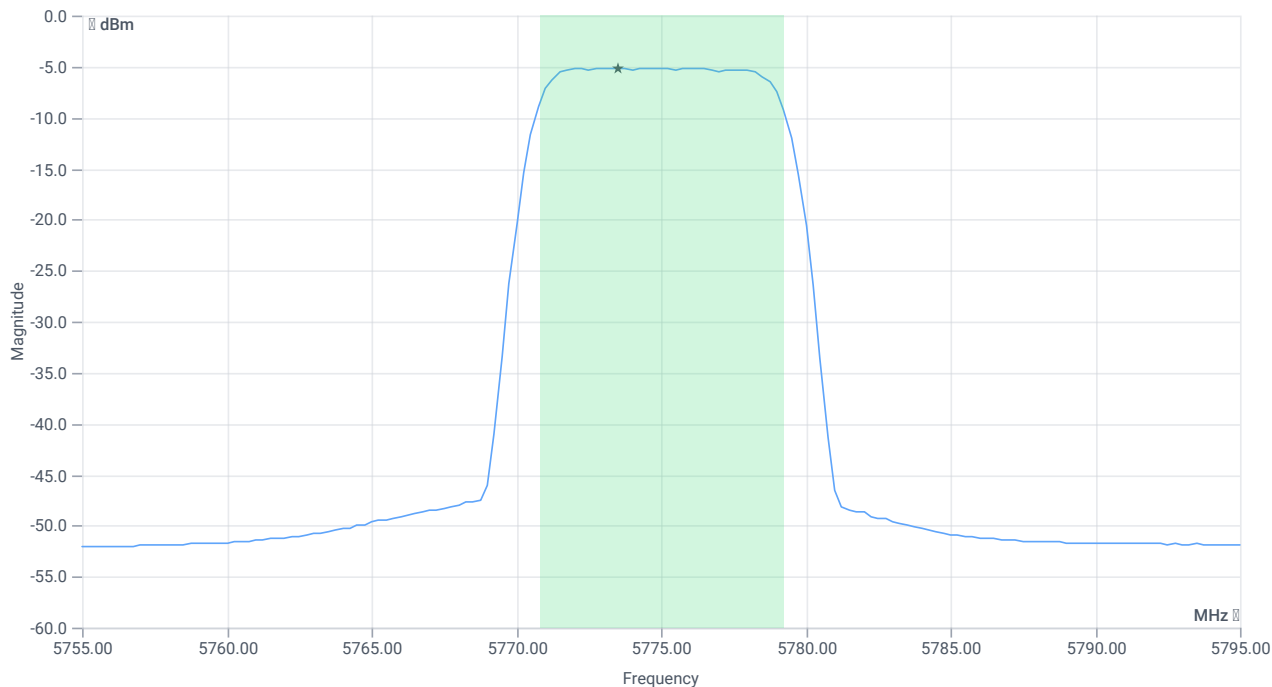
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.45 @ 5775 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.94 13.86 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6200 1 161 SWE



Max OP and PSD (without antenna gain)

RESULT

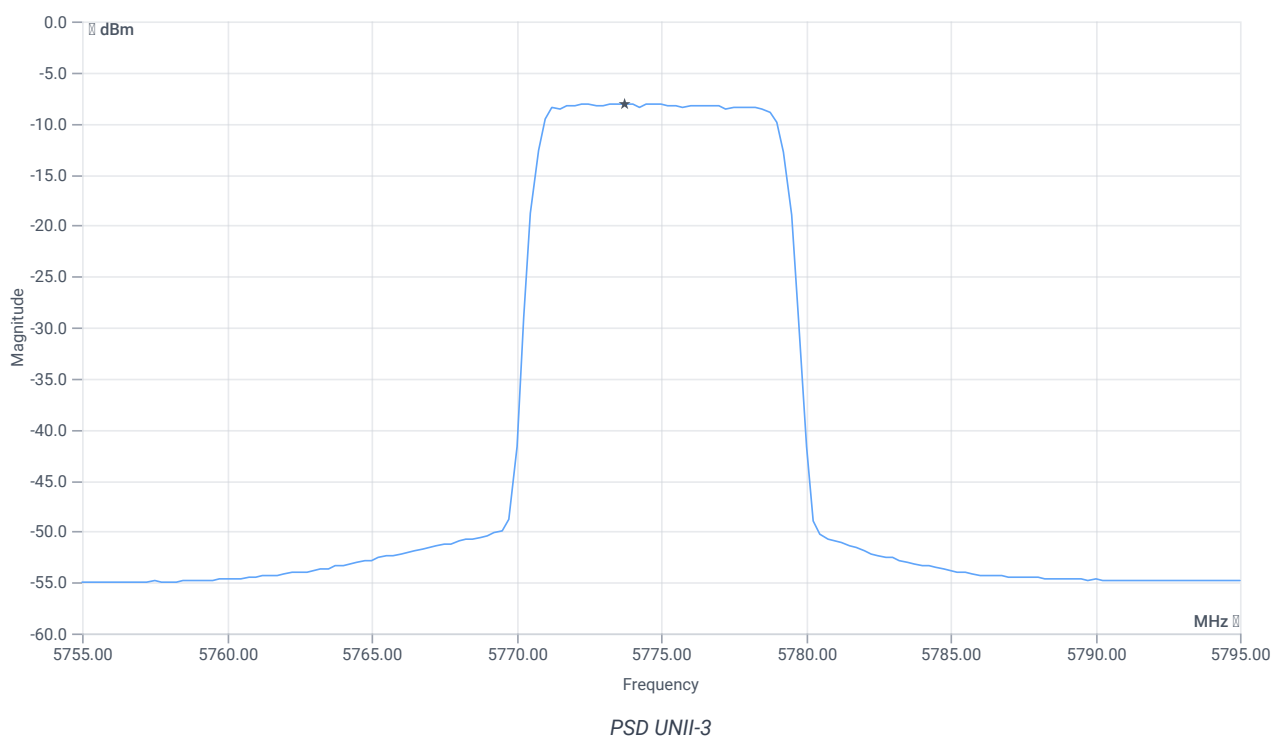
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	3.48	dBm	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Duty cycle correction	---	---	0.25	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	3.73	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	6.18	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.94 13.86 20
Start [MHz] Stop [MHz]	5755.000 5795.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6200 1 161 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-8.14	dBm/0.5MHz	INFO

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density DC corrected cond	--	30	-7.89	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:39:49
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

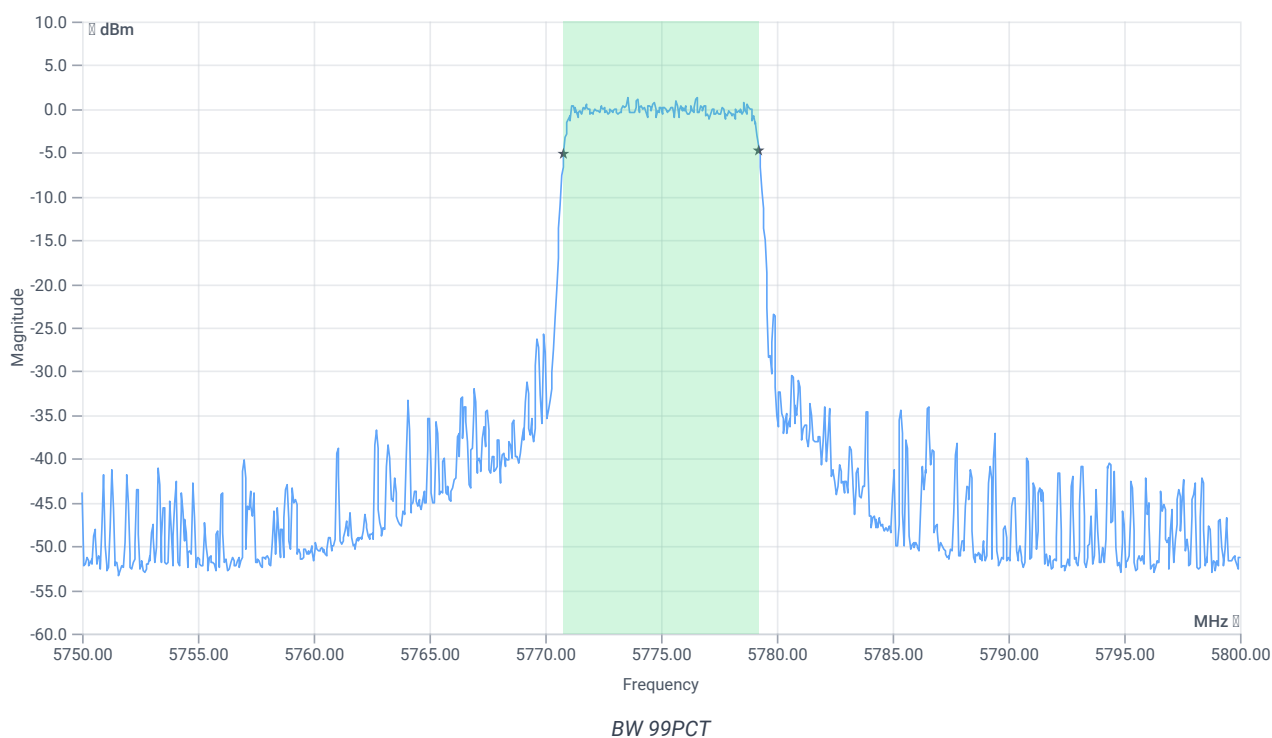
Test at TX 5775 MHz

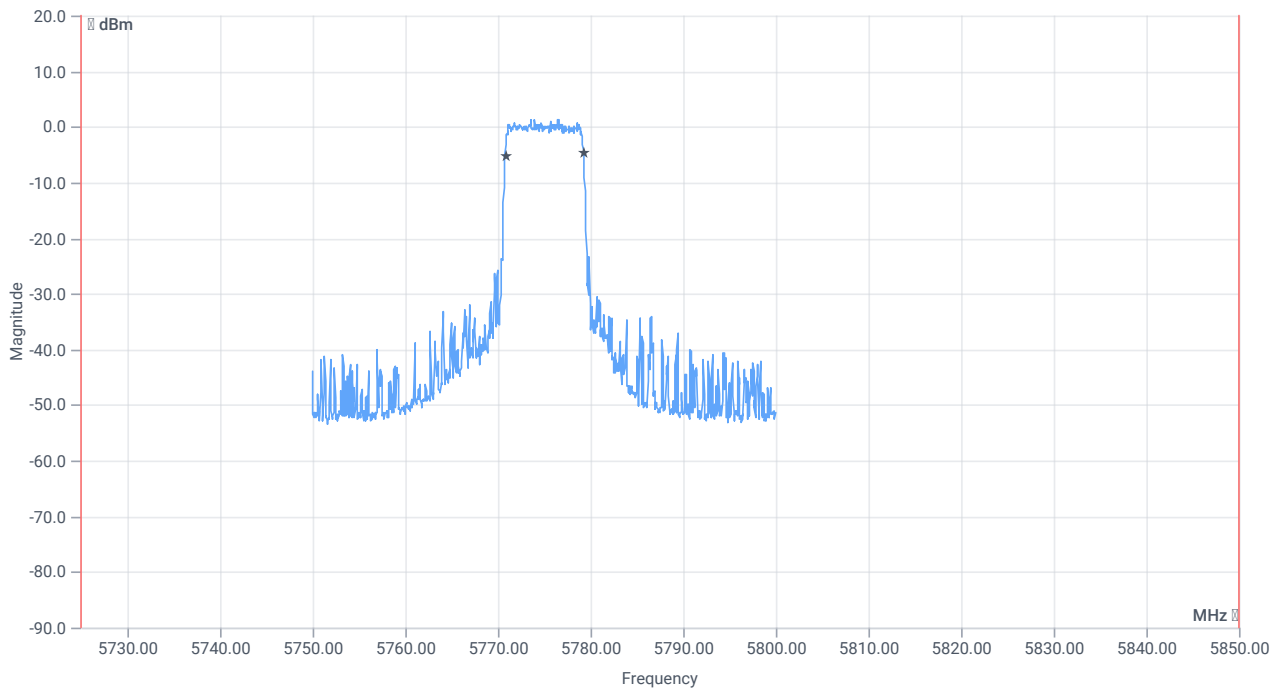
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.38	dBm	INFO
Ref. frequency	---	---	5772.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.38 13.86 15
Start [MHz] Stop [MHz]	5750.000 5800.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

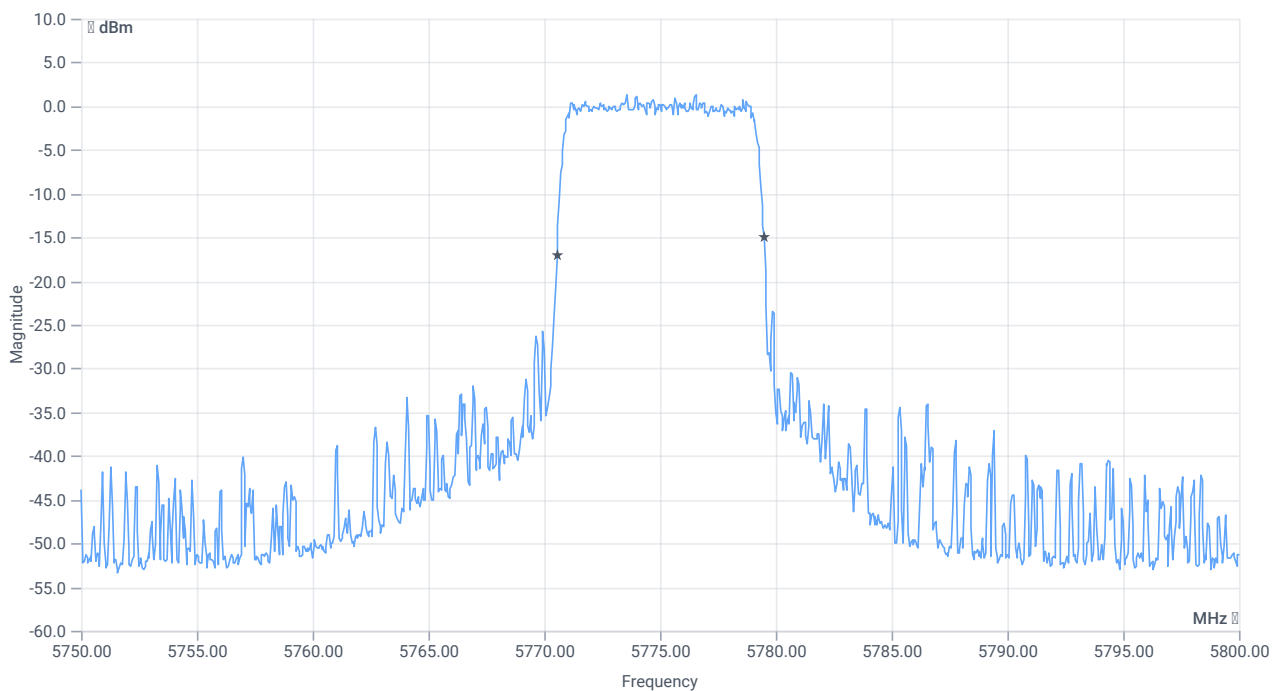




BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5770.8042	MHz	PASS
T2 99%	---	5850.000000	5779.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	8.95	MHz	INFO
T1 20dB	5725.000000	---	5770.5500	MHz	PASS
T2 20dB	---	5850.000000	5779.5000	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:40:21
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

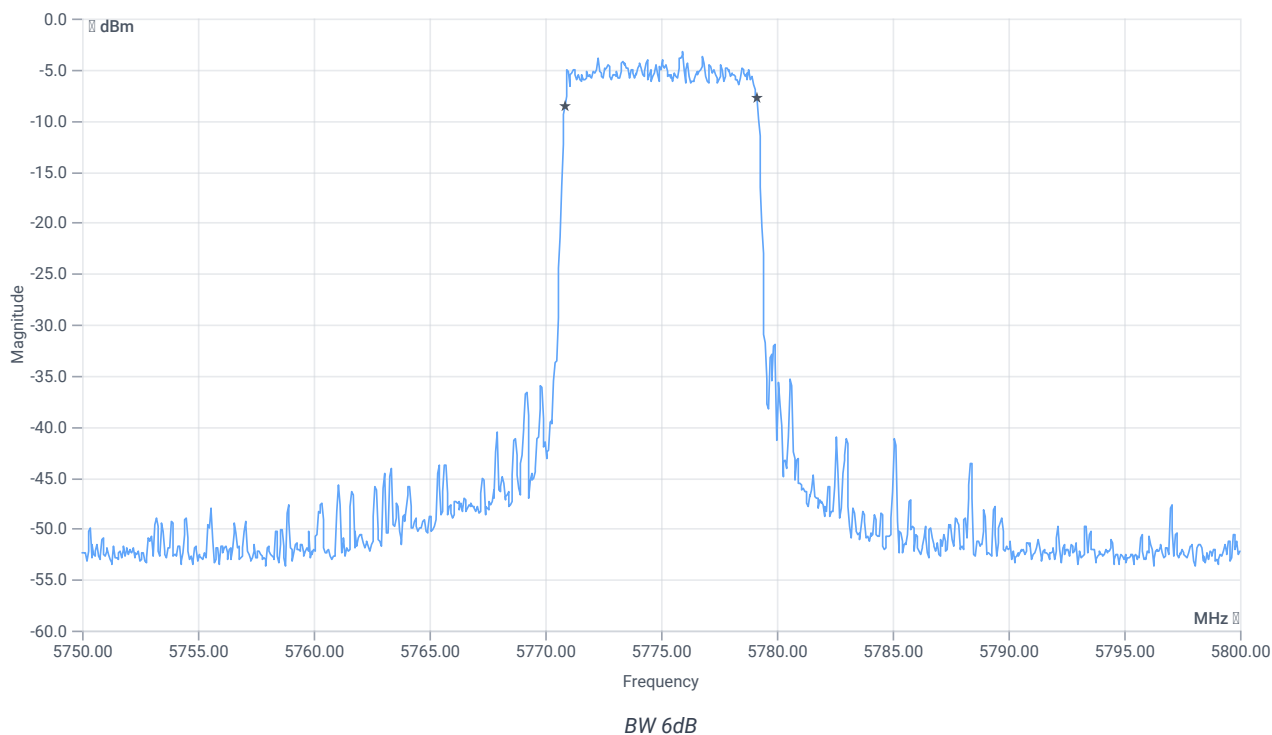
Test at TX 5775 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.60	dBm	INFO
Ref. frequency	---	---	5774.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.60 13.86 20
Start [MHz] Stop [MHz]	5750.000 5800.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.3	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:41:11
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5775
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5775 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

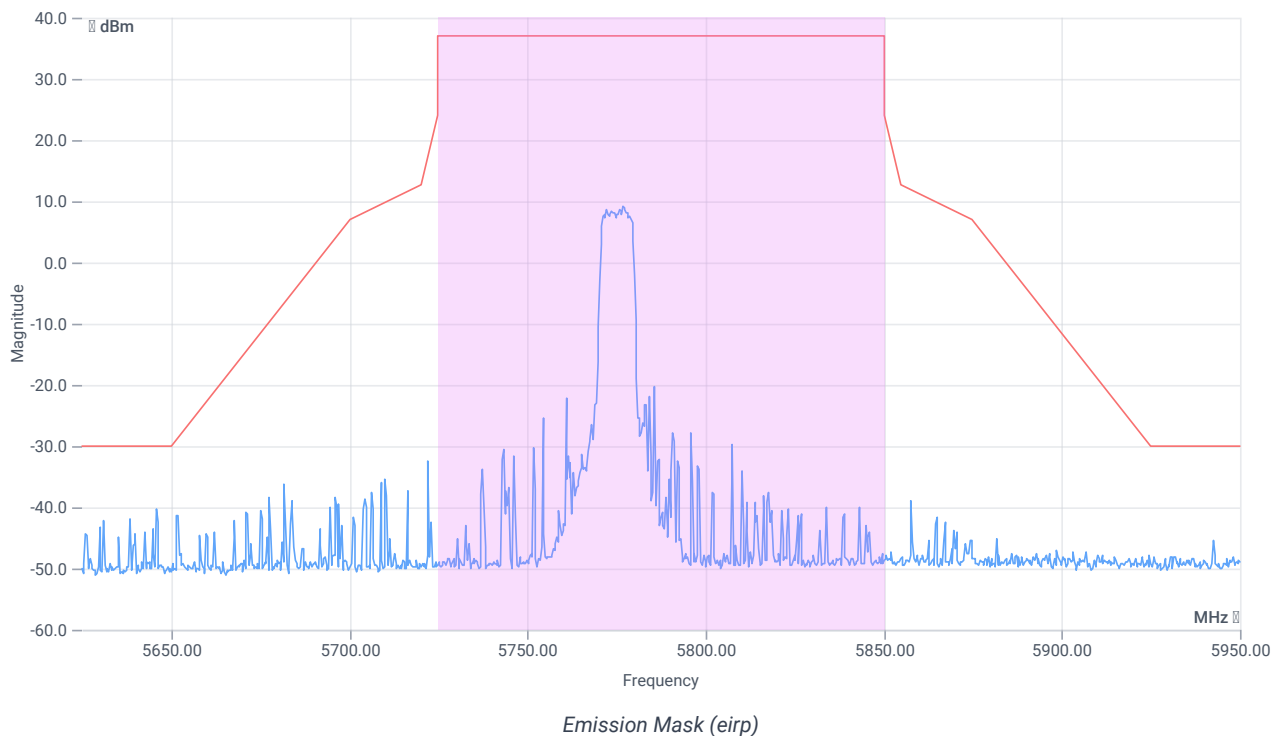
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.59	dBm	INFO
Ref. frequency	---	---	5771.400	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
--------------------------------	---

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.59 13.86 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
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken			Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 191 of 213		

Verdict

PASS

NA # Message with SA scan ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:41:51
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	NA NI
Method	
Description	Message SA - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

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
Message start	07.08.2026 10:41:54
Message	set WLAN5Gx to a_U-NII-3 Frequency [MHz]: 5825 Power setting: 8 Port: EUT2 Ant17-Rear_right

Verdict

INFO

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

References

TC start	07.08.2026 10:44:39
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max OP & PSD - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5820 MHz

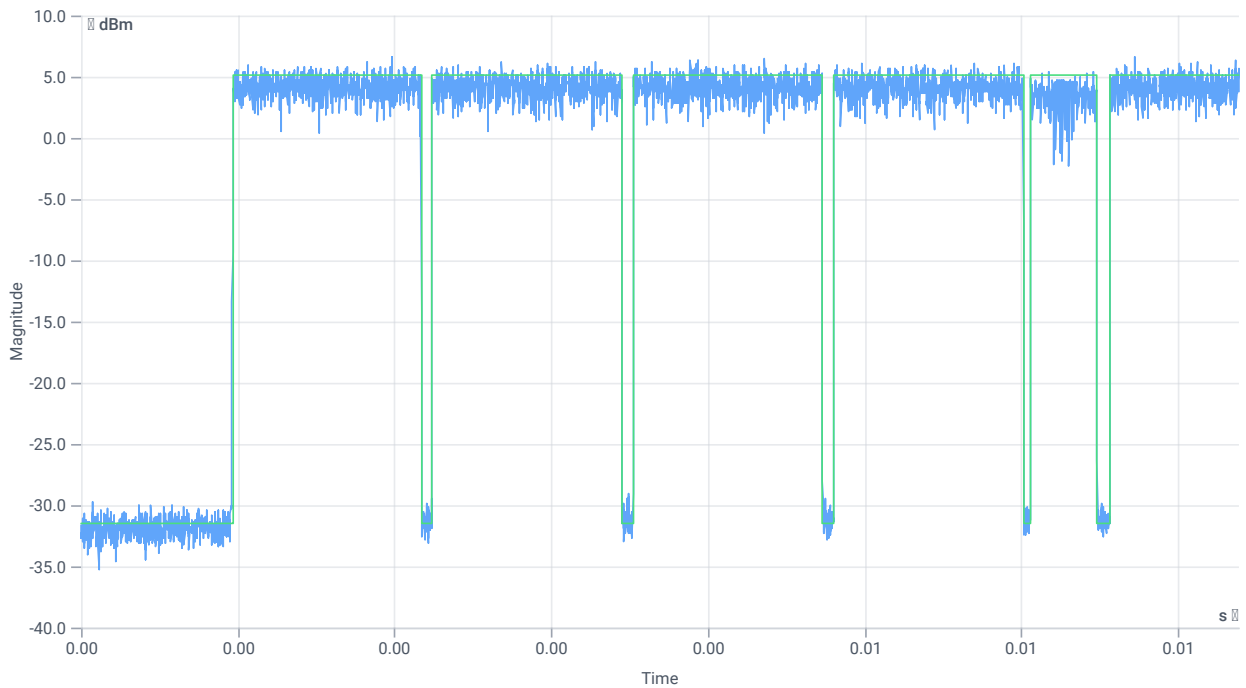
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.95	dBm	INFO
Ref. frequency	---	---	5821.400	MHz	INFO

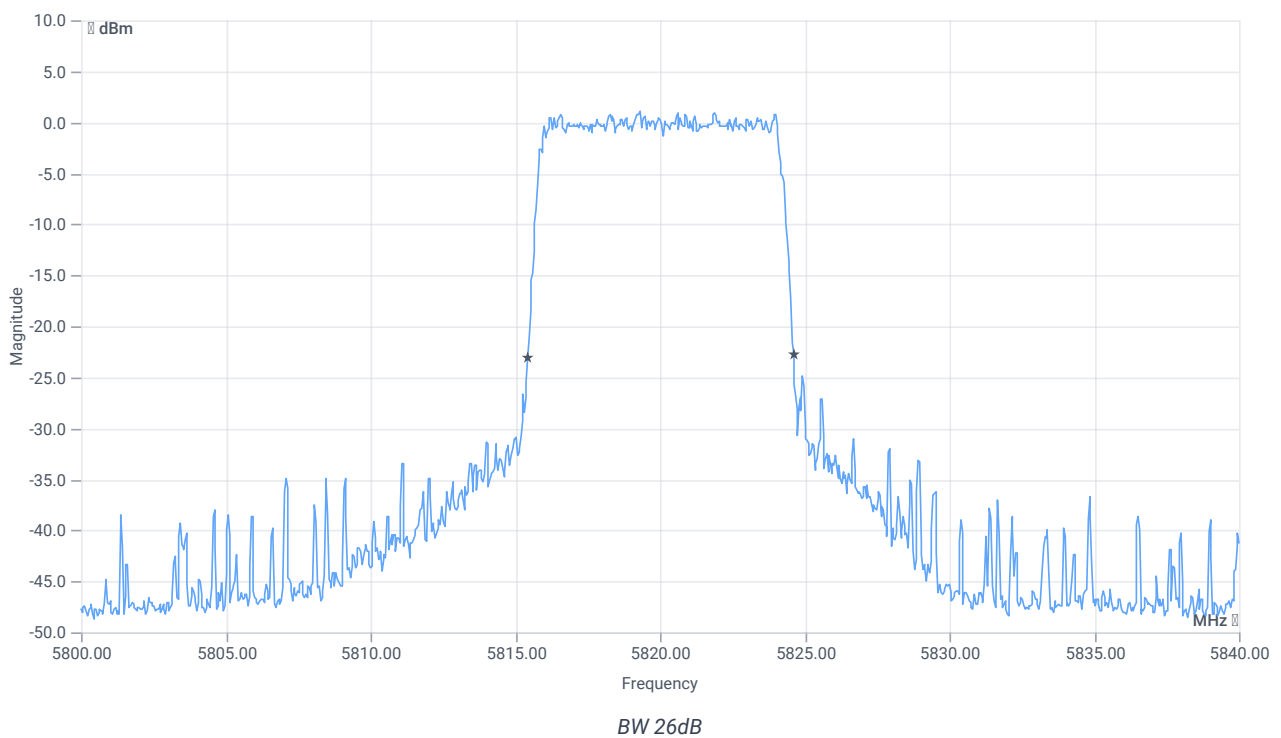
Evaluation max. duty cycle

DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Number of detected bursts	---	---	5	---	INFO
Estimated ON level	---	---	5.12	dBm	INFO
Estimated noise floor	---	---	-31.53	dBm	INFO
Dynamic range (ON - noise)	---	---	36.66	dB	INFO
Duty cycle (burst Ratio) max	---	---	0.9647	---	INFO
Duty cycle max	---	---	0.156	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.84	---	INFO
Duty cycle min	---	---	0.757	dB	INFO
Max TX burst length	---	---	1.2117	ms	INFO
Min gap length	---	---	0.0443	ms	INFO
Max gap length	---	---	0.0813	ms	INFO



Evaluation bandwidth



RESULT

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

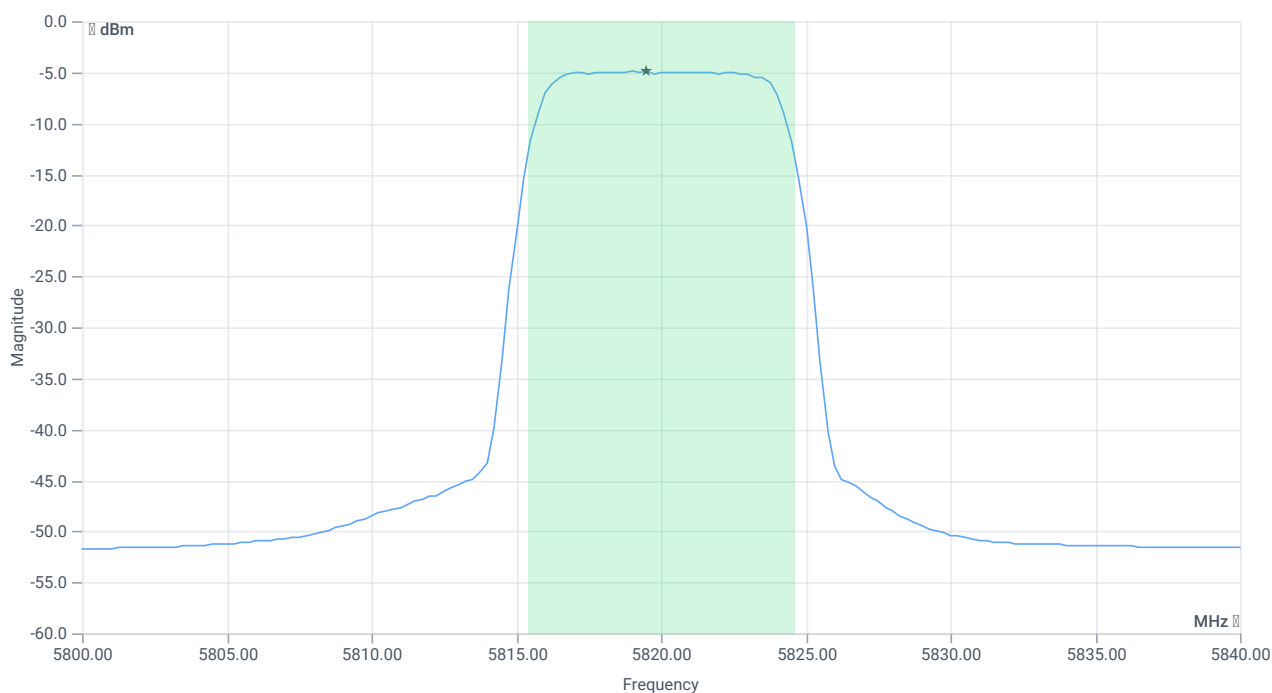
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	9.16	MHz	INFO
T1 26dB	---	---	5815.4400	MHz	INFO
T2 26dB	---	---	5824.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.95 13.98 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6250 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	3.78	dBm	INFO
Duty cycle correction	---	---	0.76	dB	INFO

LIMIT absolute:

RESULT

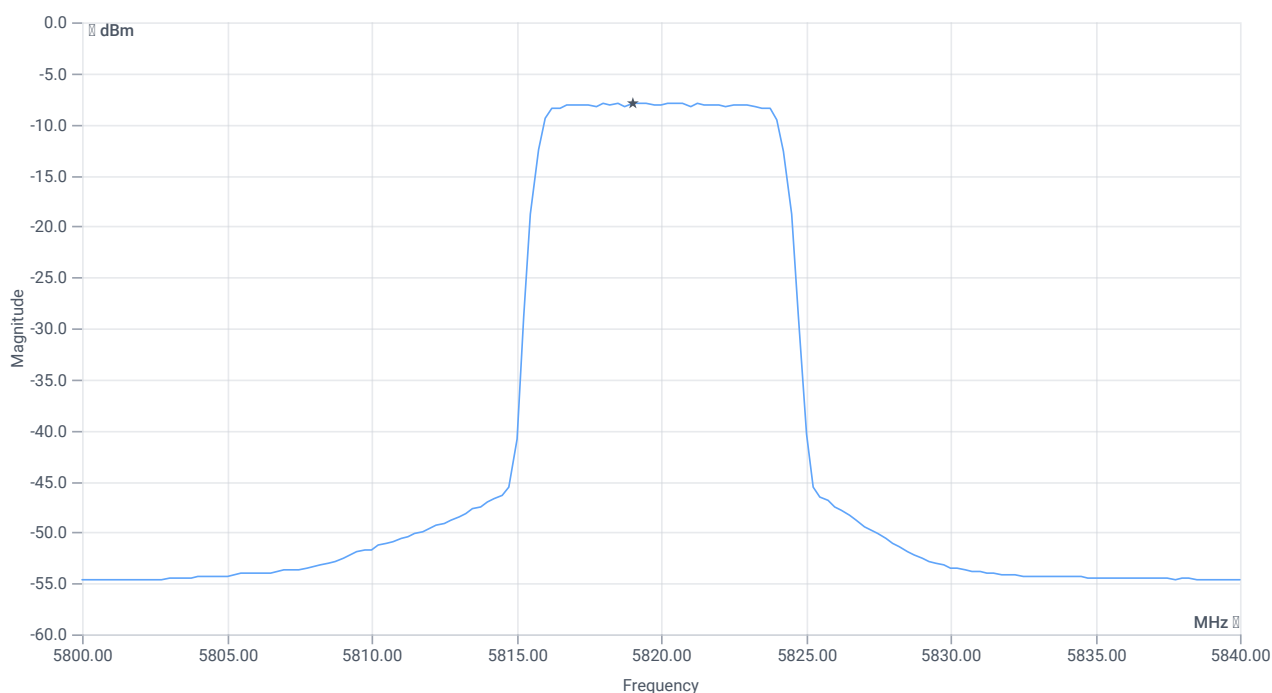
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Max output power DC --- corrected cond	30	4.54	dBm	PASS
LIMIT: 11 dBm + 10 log 9.16				
Max output power DC --- corrected cond	N/A	4.54	dBm	N/A

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.95 13.98 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	6250 1 161 SWE



RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-7.96	dBm/0.5MHz	INFO
Duty cycle correction	---	---	0.76	dB	INFO

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Power spectral density DC corrected cond	--	30	-7.2	dBm/0.5MHz	PASS
--	----	----	------	------------	------

Verdict

PASS

ISED RSS247 # Max output power and psd ~ WLAN5Gx a U-NII-3

References

TC start	10.08.2026 12:53:05
Ambit temp (test rack) [°C] humidity [rel%]	25.7 48
System version	6.1.0.0
Standard Version	ISED RSS247 NI
Method	
Description	ISED Max OP & PSD - WLAN5Gx a U-NII-3
Information	RE_DC

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5820 MHz

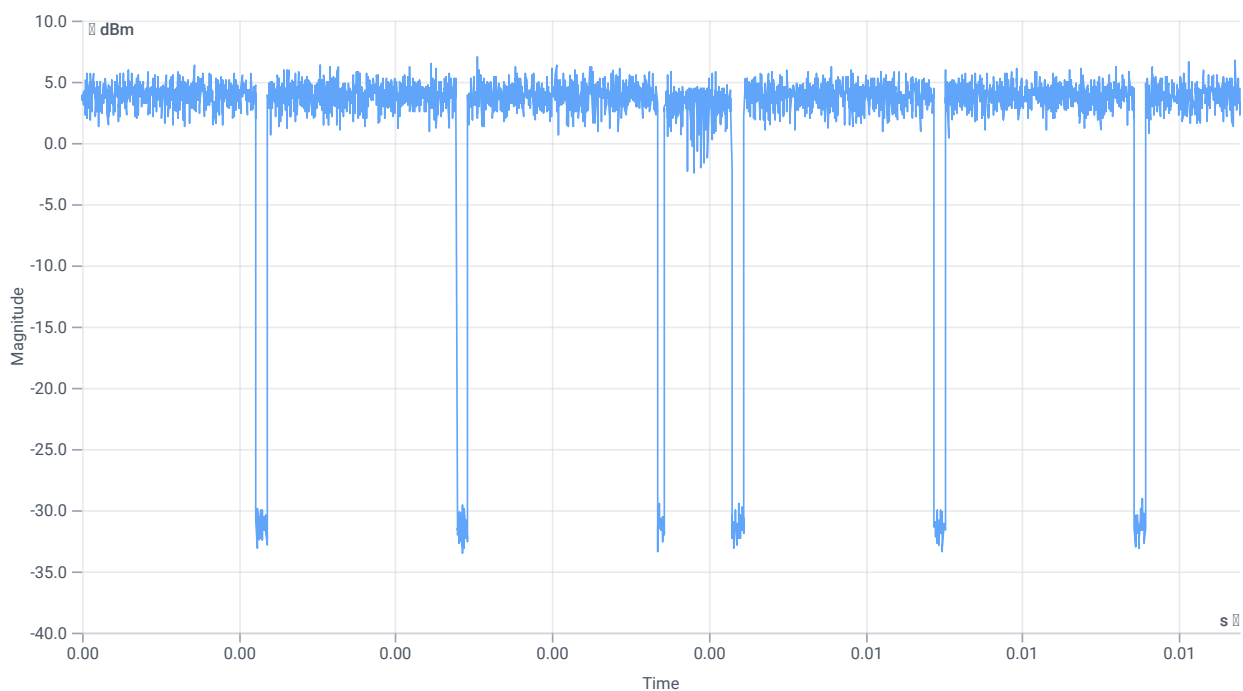
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.03	dBm	INFO
Ref. frequency	---	---	5816.400	MHz	INFO

Evaluation max. duty cycle

DUTY CYCLE EVALUATION (V2, edge based)

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Continuous / no burst structure (dynamic < 10 dB) - duty cycle = 1 (0 dB)	---	---	---	---	INFO
Re-measured finer: sweep 111 -> 7.389 ms	---	---	---	---	INFO
Dynamic range (ON - noise)	---	---	2.9	dB	INFO
Estimated ON level	---	---	4.96	dBm	INFO
Estimated noise floor	---	---	2.07	dBm	INFO
Duty cycle min	---	---	0	dB	INFO



Duty cycle (blue: measurement, green: detected burst pattern)

Evaluation bandwidth



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.432	MHz	INFO
T1 99%	---	---	5815.8042	MHz	INFO
T2 99%	---	---	5824.2358	MHz	INFO

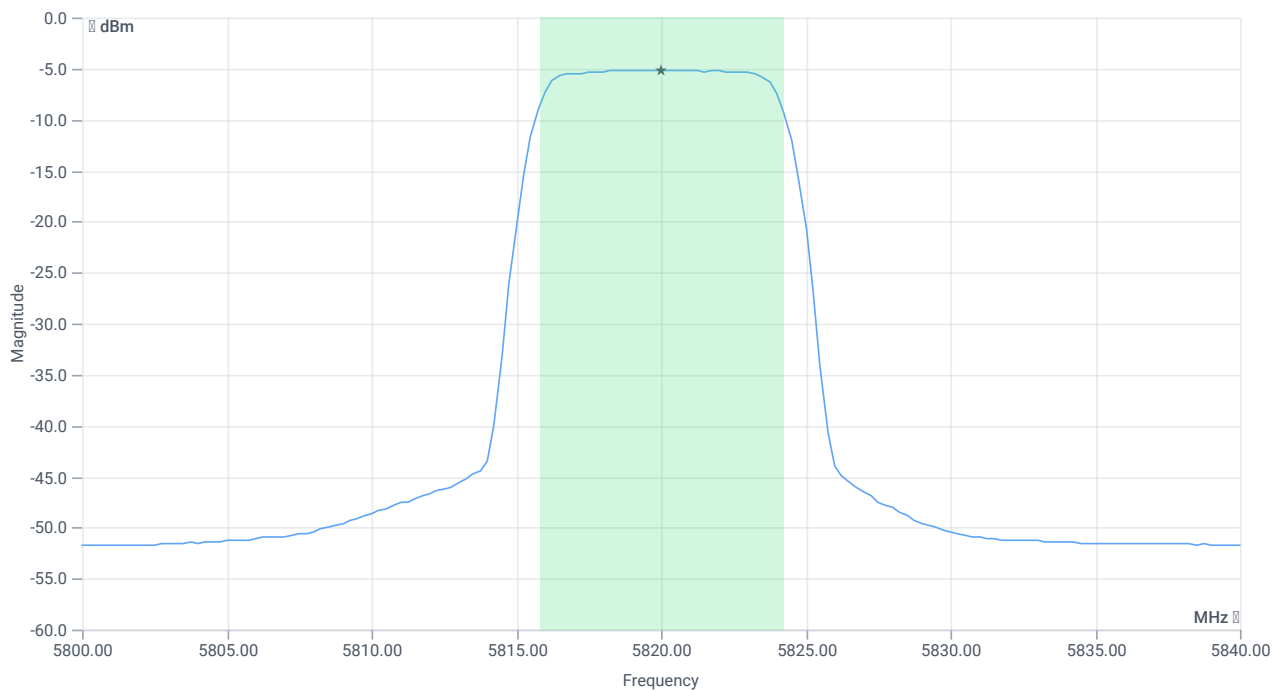
Maximum Output Power

Antenna gain

Considered antenna gain [dBi]: 2.45 @ 5820 MHz

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.03 13.98 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



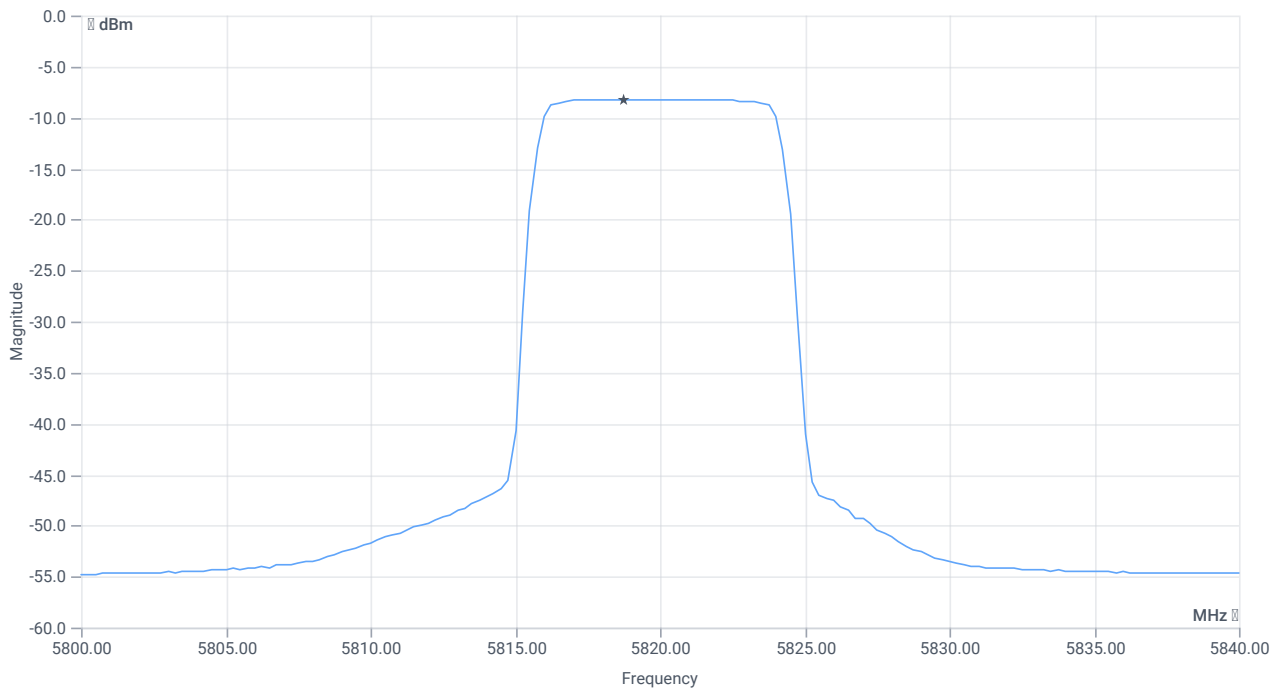
Max OP and PSD (without antenna gain)

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Max output power cond	---	---	3.44	dBm	INFO
Duty cycle correction	---	---	0	dB	INFO
LIMIT absolute cond					
Max output power DC corrected cond	---	30	3.44	dBm	PASS
Antenna gain applied			2.45	dBi	INFO
LIMIT absolute eirp (RSS-247 §6.2.4)					
Max output power DC corrected eirp	---	36	5.89	dBm	PASS

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.03 13.98 20
Start [MHz] Stop [MHz]	5800.000 5840.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	2000 1 161 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Power spectral density cond	---		-8.2	dBm/0.5MHz	INFO
Power spectral density DC corrected cond	---	30	-8.2	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407, ISED RSS247 # Bandwidths 99PCT and 26dB (UNII-3 20dB) ~ WLAN5Gx a U-NII-3

References

TC start	07.08.2026 10:46:34
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
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 U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

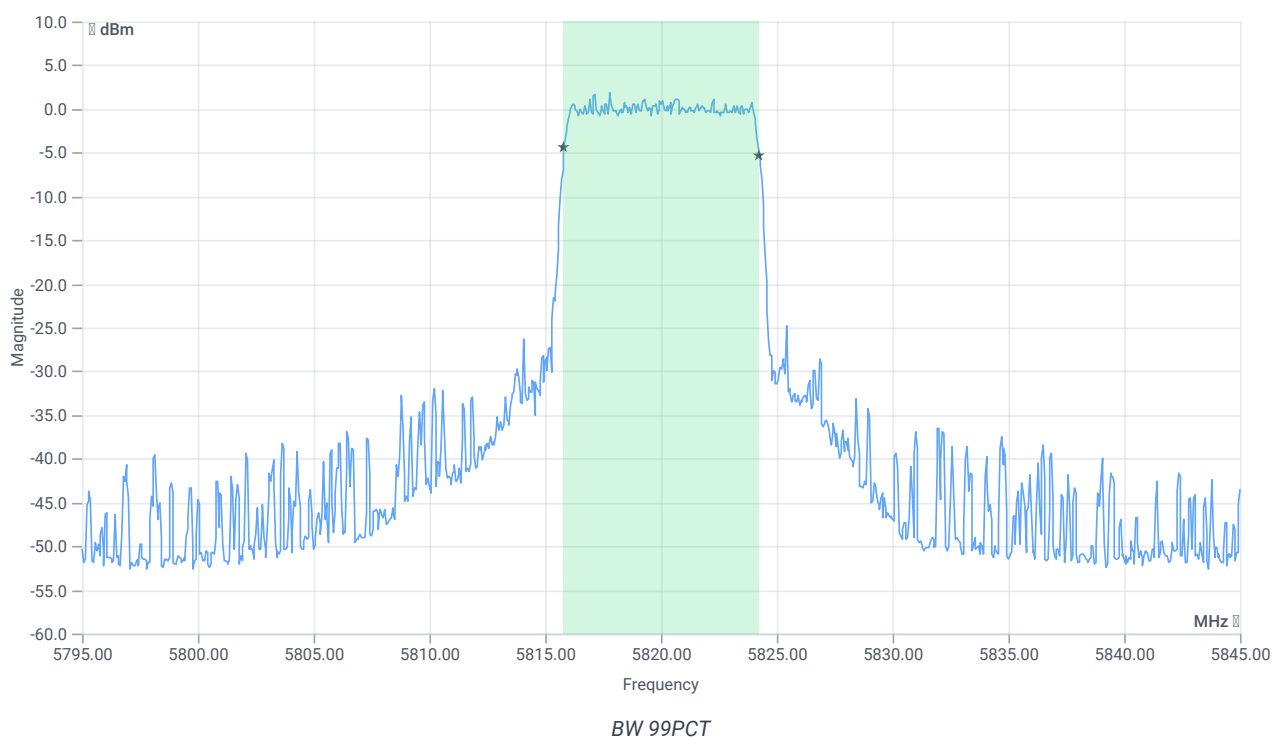
Test at TX 5820 MHz

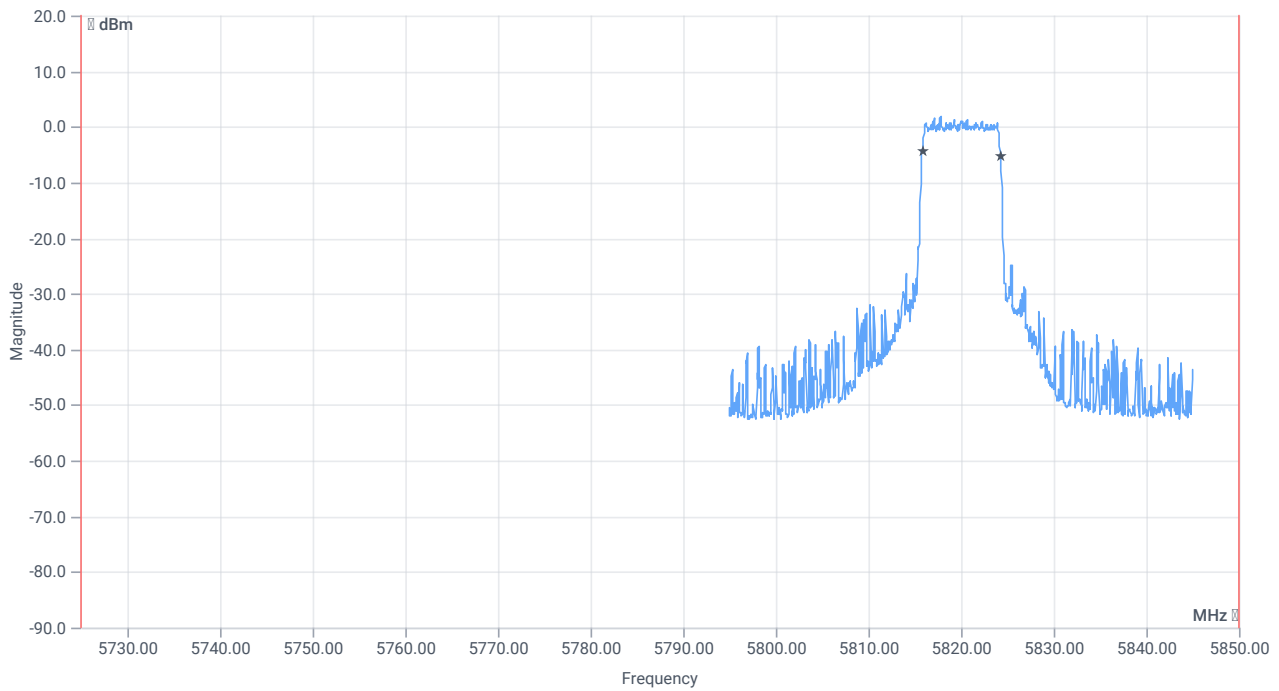
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.84	dBm	INFO
Ref. frequency	---	---	5822.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.84 13.98 15
Start [MHz] Stop [MHz]	5795.000 5845.000
RBW [MHz] VBW [MHz]	0.300000 1.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE

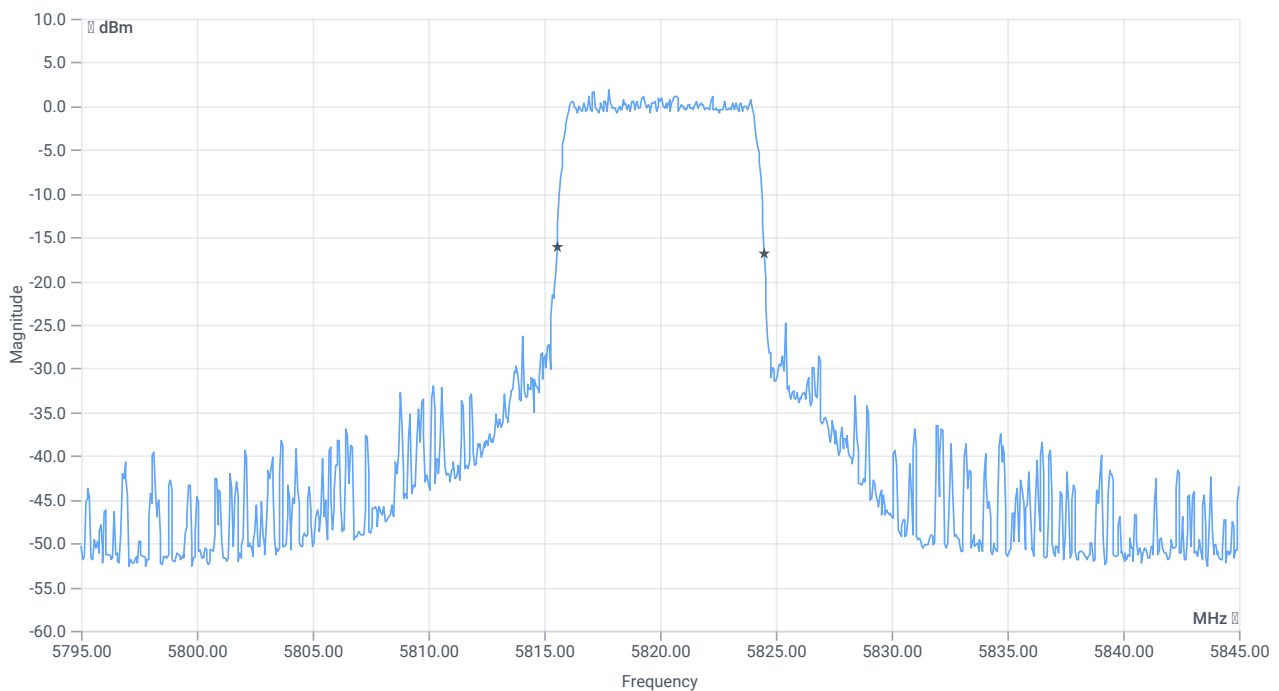




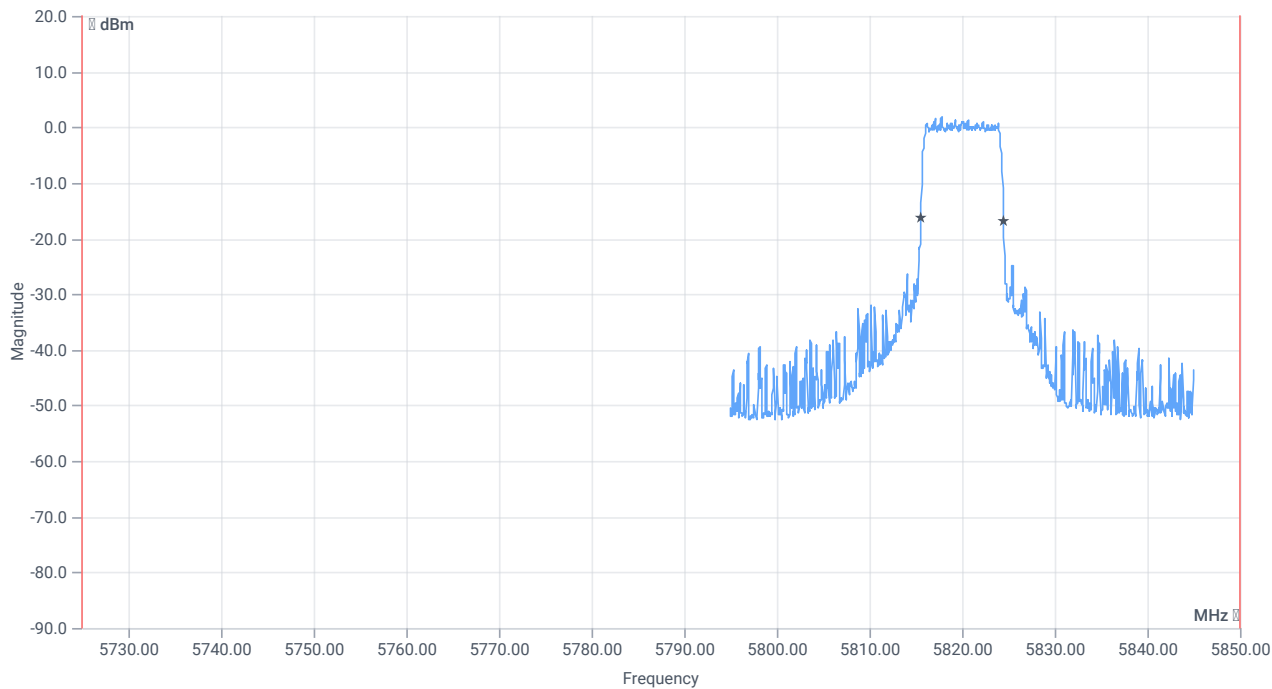
BW within band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8.442	MHz	INFO
T1 99%	5725.000000	---	5815.8042	MHz	PASS
T2 99%	---	5850.000000	5824.2458	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	8.95	MHz	INFO
T1 20dB	5725.000000	---	5815.5500	MHz	PASS
T2 20dB	---	5850.000000	5824.5000	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:47:06
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	KDB789033 D02, C.2.
Description	FCC 15.407 Min emission BW - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

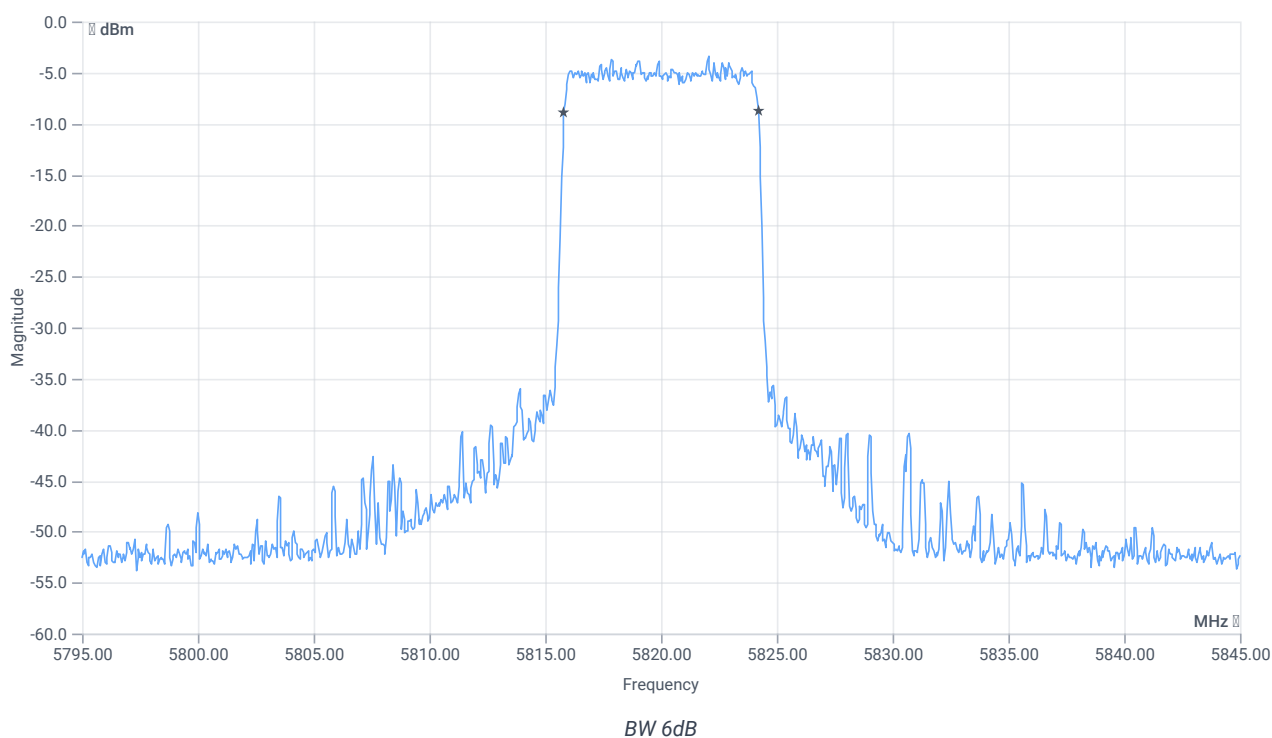
Test at TX 5820 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	4.92	dBm	INFO
Ref. frequency	---	---	5821.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.92 13.98 20
Start [MHz] Stop [MHz]	5795.000 5845.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	2 1500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth (6dB)	0.500	---	8.4	MHz	PASS

Verdict

PASS

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

References

TC start	07.08.2026 10:47:45
Ambit temp (test rack) [°C] humidity [rel%]	24.9 40
System version	6.1.0.0
Standard Version	FCC 15.407, ISED RSS247 NI
Method	NI
Description	FCC 15.407 Emission mask - WLAN5Gx a U-NII-3
Information	Ant17-Rear_right

EUT Common Settings WLAN5Gx

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

Equipment

Signal analyzer,Rohde&Schwarz,FSV-40,1307.9002K40/101042,3.71
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

Test Parameter

Technology to test	WLAN5Gx a
Power setting	8
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] 5820
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	1.4
Full path type	EUT_SA_GEN_SIG
Full path name	EUT2.MP.SIG1/EUT2.SA/EUT2.GEN1/EUT2.GEN2/
Switch bits	00100010:00010001:00000000:00000001

Test at TX 5820 MHz

Number of antenna ports: 2

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

RESULT: Reference power cond.

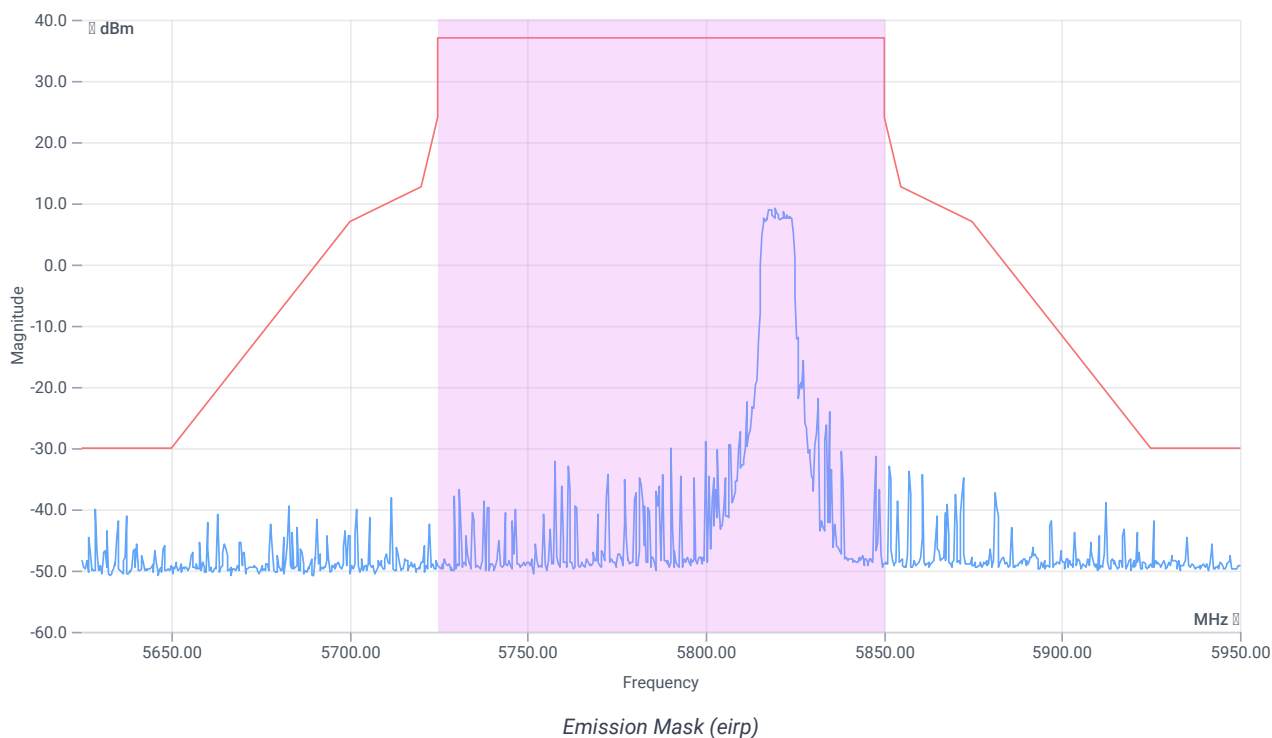
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	5.14	dBm	INFO
Ref. frequency	---	---	5816.400	MHz	INFO

Antenna gain

Considered antenna gain [dBi]:	2.8 / max found in range 5625 to 5950 MHz
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READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.15 13.98 10
Start [MHz] Stop [MHz]	5625.000 5950.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	1 2500 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
cetecom advanced GmbH Untertürkheimer Str. 6-10, 66117 Saarbrücken					Document No. 1-3399-26-01-03_TR1-A201-R01 Release 1 - Page 212 of 213

Verdict

PASS

- END OF DOCUMENT -