

Conducted test results

No.1-7626-24-01-18_TR1-A201-R1

November 26, 2024

Test Standard(s) FCC 15.407 - NI

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Authorized

Michael Dorongovski

Lab Manager
Radio Labs

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

References

TC start	09.10.2024 09:59:22
Ambit temp (test rack) [°C] humidity [rel%]	24.8 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5180
Frequency mid to test	False Freq [MHz] 5220
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5180 MHz

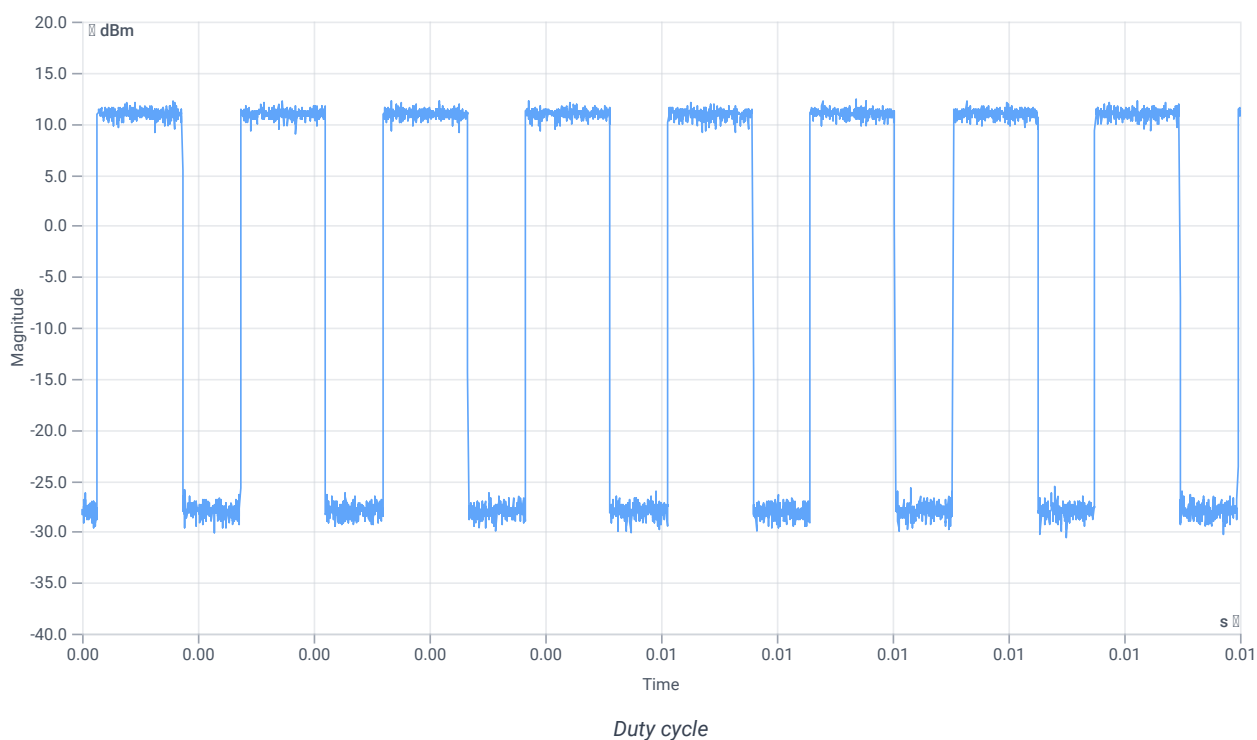
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.58	dBm	INFO
Ref. frequency	---	---	5182.000	MHz	INFO

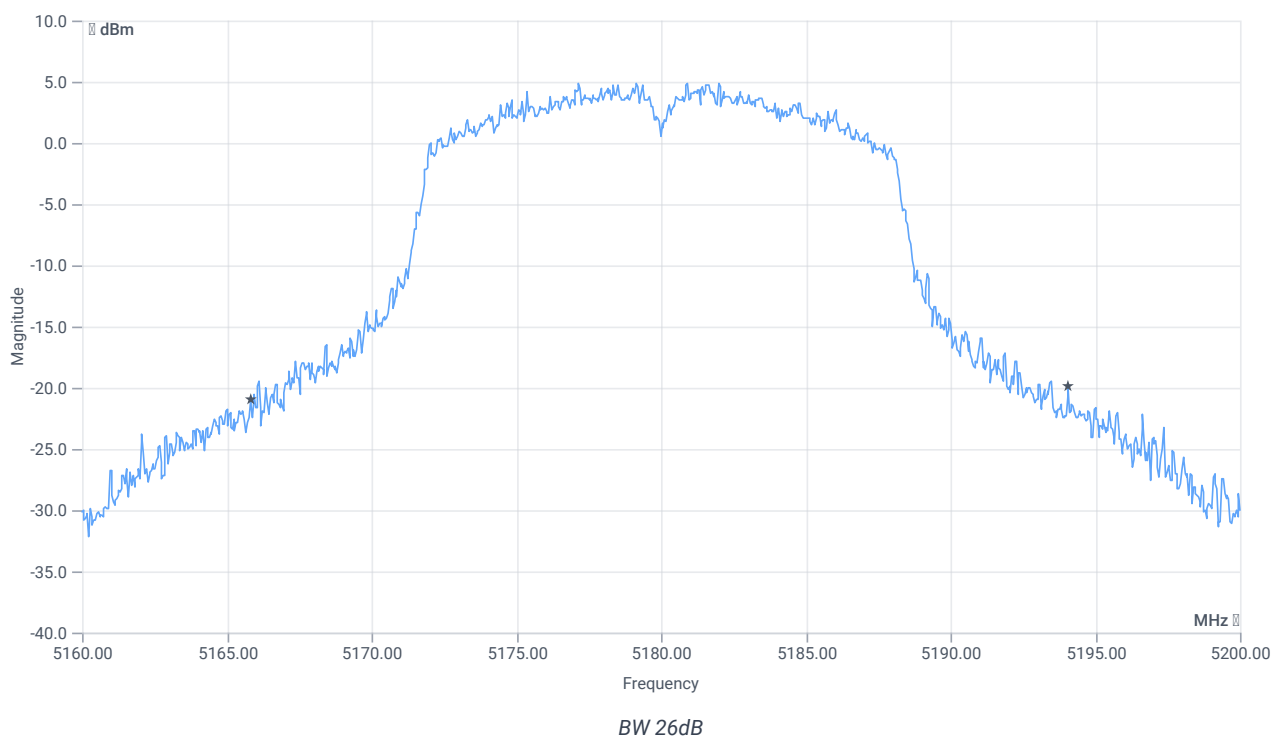
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.594	---	INFO
Duty cycle max	---	---	2.262	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.589	---	INFO
Duty cycle min	---	---	2.299	dB	INFO
Max TX burst length	---	---	0.728	ms	INFO
Min gap length	---	---	0.497	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



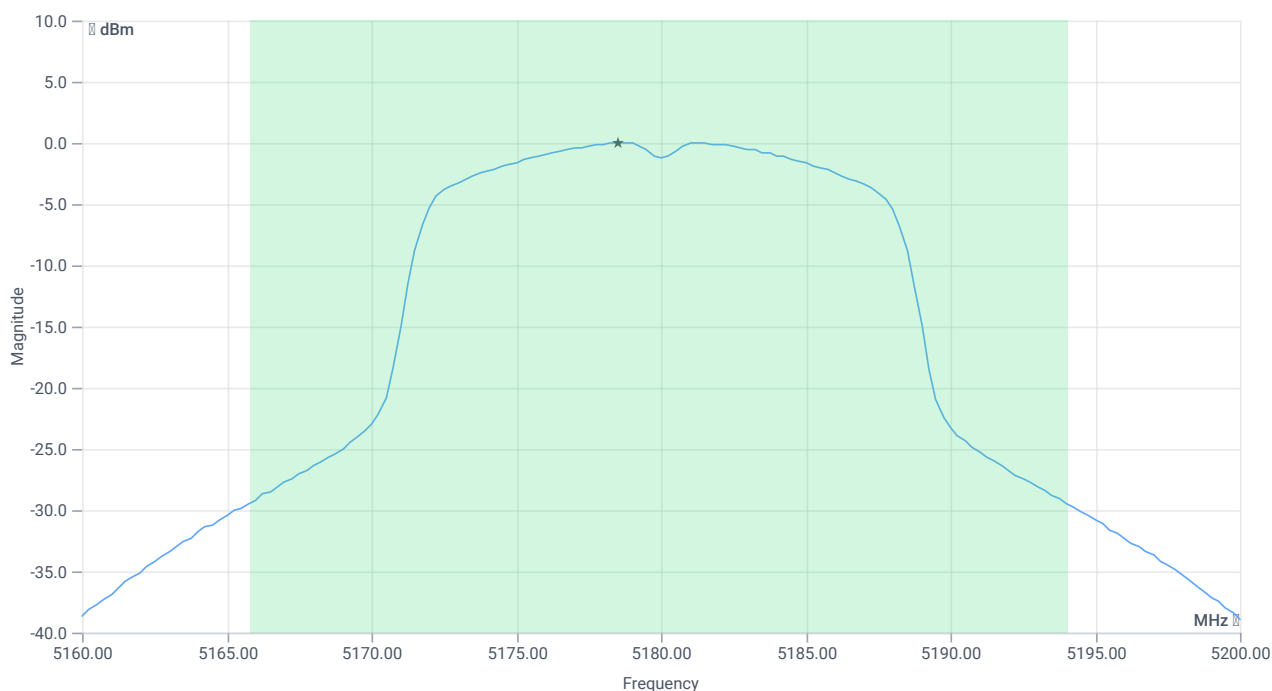
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	28.28	MHz	INFO
T1 26dB	---	---	5165.8000	MHz	INFO
T2 26dB	---	---	5194.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.58 13.39 25
Start [MHz] Stop [MHz]	5160.000 5200.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.57	dBm	INFO
Duty cycle correction	---	---	2.3	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	12.87	dBm	PASS
LIMIT: 11 dBm + 10 log 28.28					
Max output power DC corrected cond	---	25.51	12.87	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.04	dBm/1MHz	INFO
Duty cycle correction	---	---	2.3	dB	INFO
Power spectral density DC corrected cond	---	11	2.34	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	09.10.2024 10:00:38
Ambit temp (test rack) [°C] humidity [rel%]	24.8 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5220
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5220 MHz

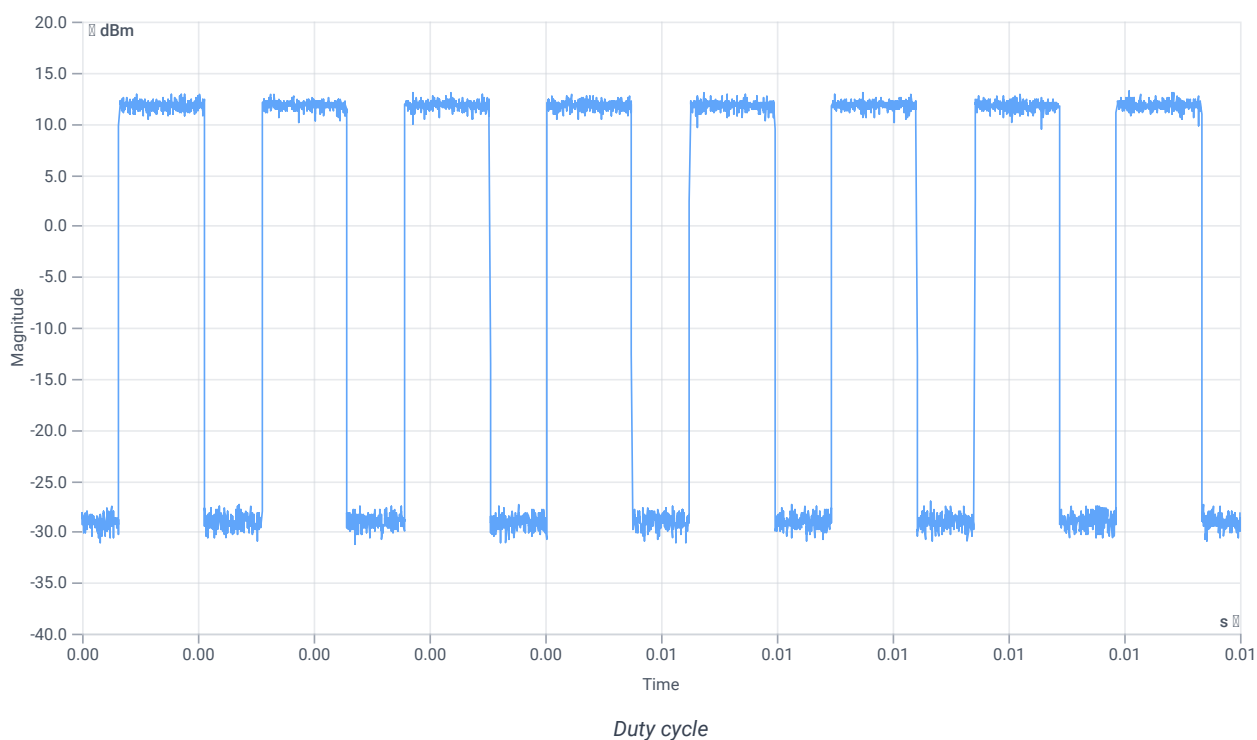
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.87	dBm	INFO
Ref. frequency	---	---	5215.800	MHz	INFO

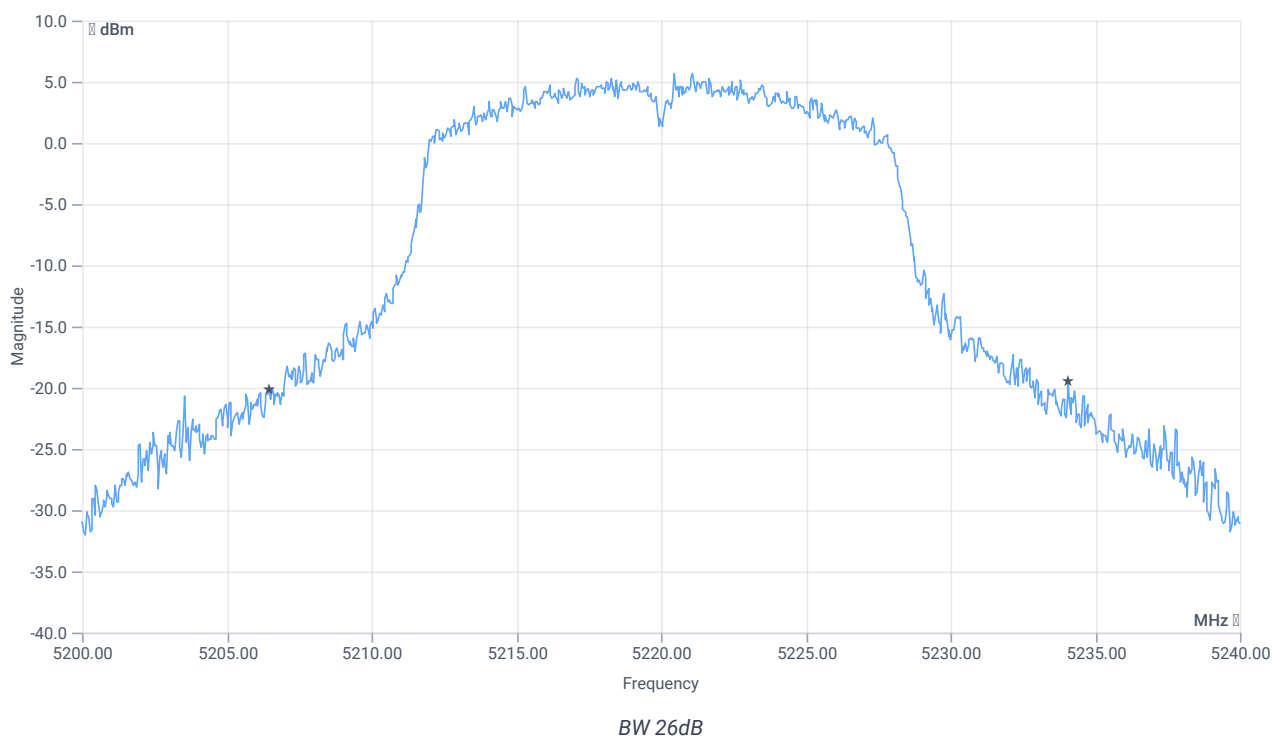
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 6					
Duty cycle (burst Ratio) max	---	---	0.594	---	INFO
Duty cycle max	---	---	2.262	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.589	---	INFO
Duty cycle min	---	---	2.299	dB	INFO
Max TX burst length	---	---	0.728	ms	INFO
Min gap length	---	---	0.498	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



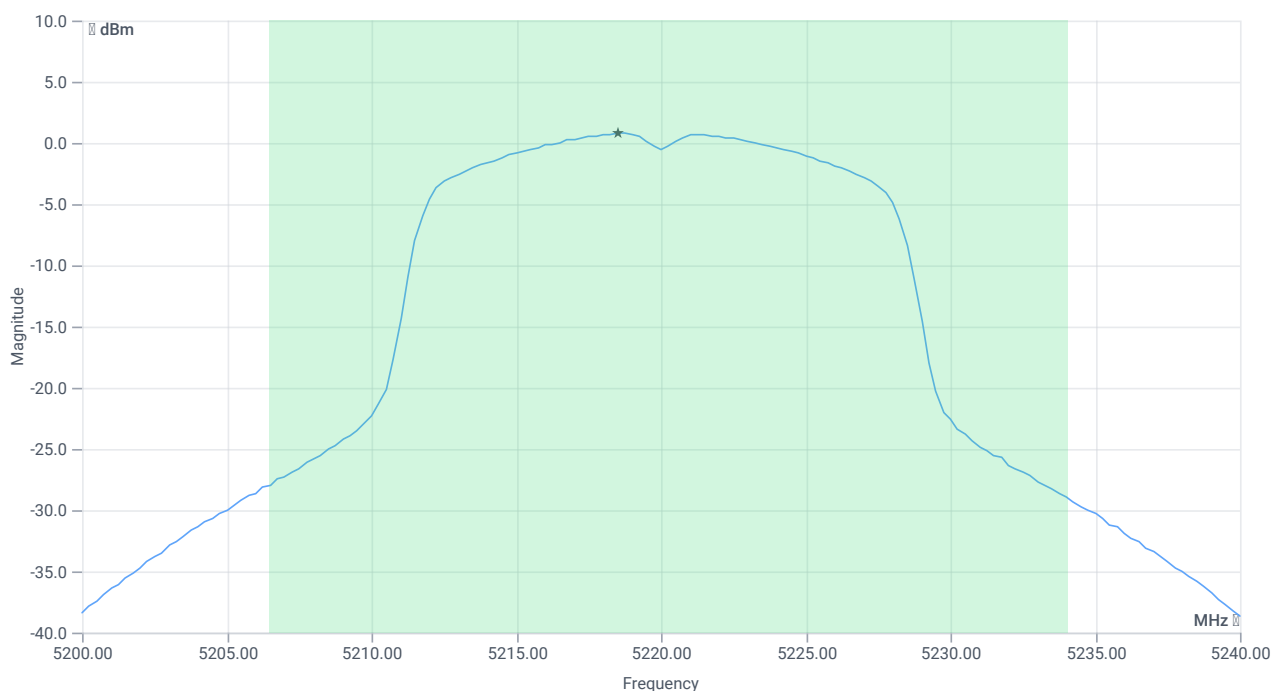
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	27.6	MHz	INFO
T1 26dB	---	---	5206.4800	MHz	INFO
T2 26dB	---	---	5234.0800	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.87 13.29 25
Start [MHz] Stop [MHz]	5200.000 5240.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	11.25	dBm	INFO
Duty cycle correction	---	---	2.3	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.55	dBm	PASS
LIMIT: 11 dBm + 10 log 27.6					
Max output power DC corrected cond	---	25.41	13.55	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.77	dBm/1MHz	INFO
Duty cycle correction	---	---	2.3	dB	INFO
Power spectral density DC corrected cond	---	11	3.07	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	09.10.2024 10:01:23
Ambit temp (test rack) [°C] humidity [rel%]	24.9 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	False Freq [MHz] 5220
Frequency high to test	True Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5240 MHz

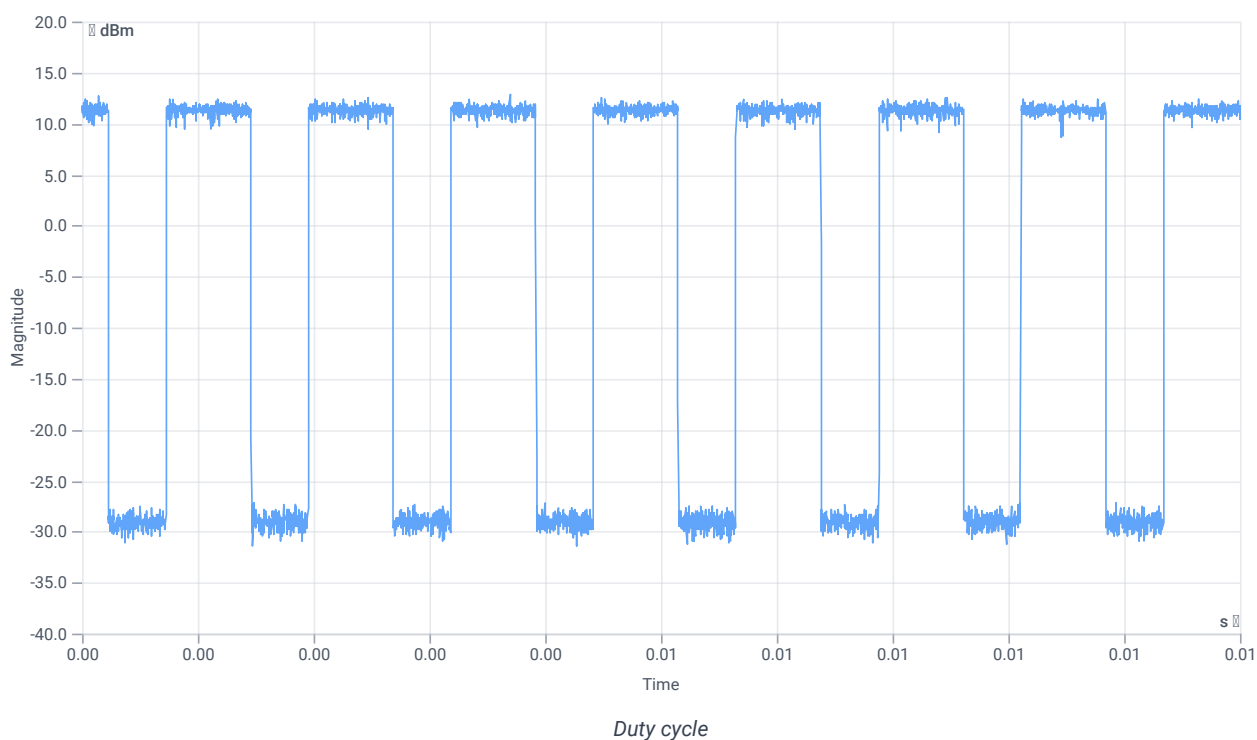
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.75	dBm	INFO
Ref. frequency	---	---	5241.200	MHz	INFO

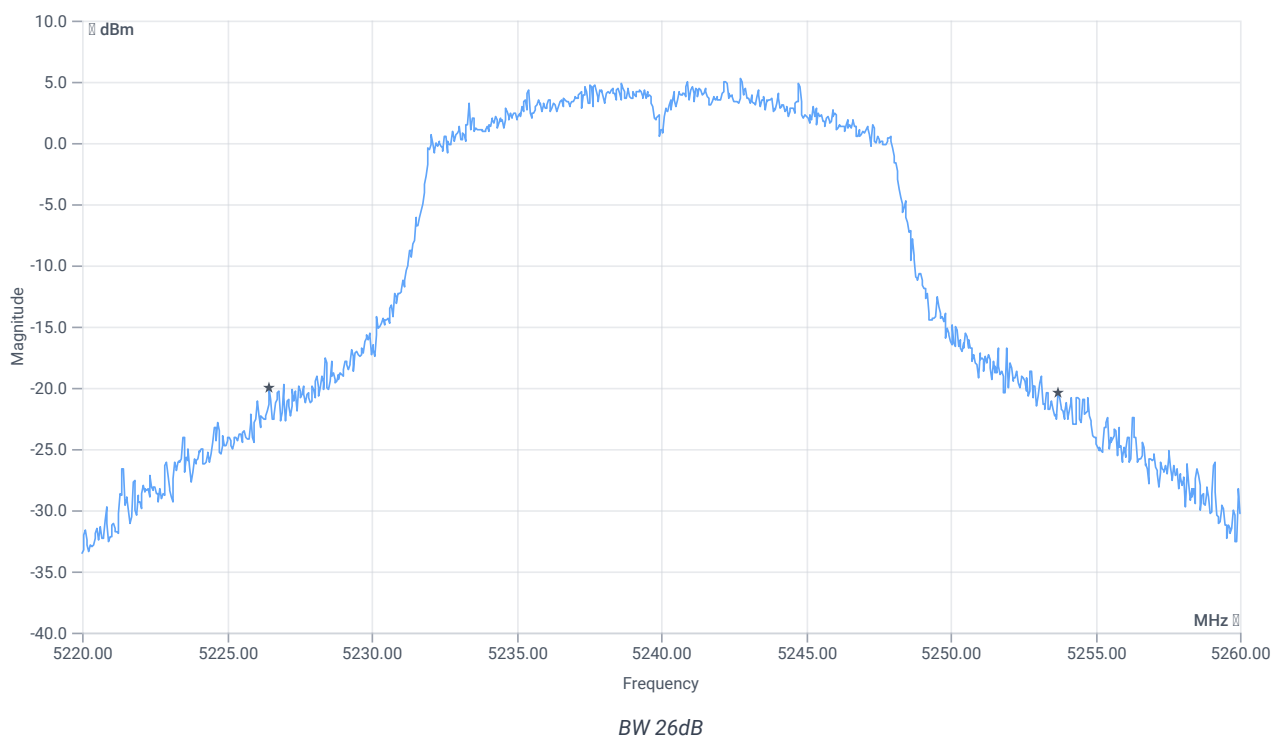
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.596	---	INFO
Duty cycle max	---	---	2.248	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.589	---	INFO
Duty cycle min	---	---	2.299	dB	INFO
Max TX burst length	---	---	0.73	ms	INFO
Min gap length	---	---	0.495	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



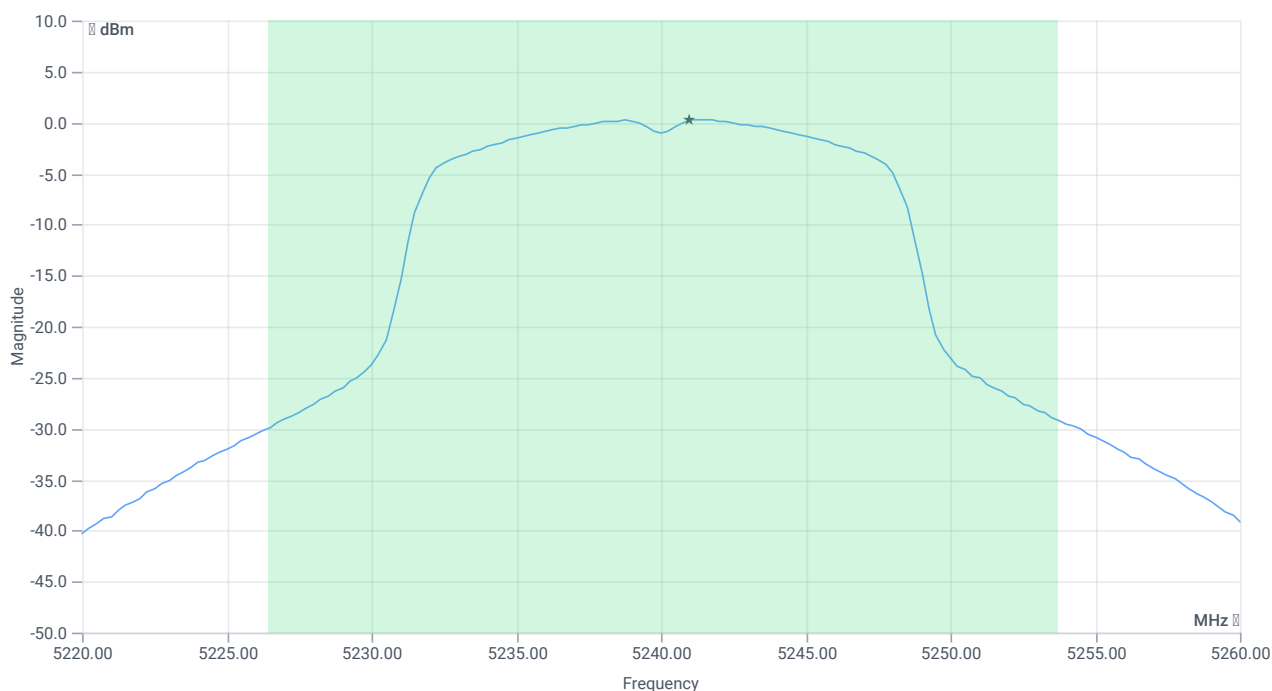
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	27.24	MHz	INFO
T1 26dB	---	---	5226.4800	MHz	INFO
T2 26dB	---	---	5253.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.75 13.21 25
Start [MHz] Stop [MHz]	5220.000 5260.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.75	dBm	INFO
Duty cycle correction	---	---	2.3	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.05	dBm	PASS
LIMIT: 11 dBm + 10 log 27.24					
Max output power DC corrected cond	---	25.35	13.05	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.25	dBm/1MHz	INFO
Duty cycle correction	---	---	2.3	dB	INFO
Power spectral density DC corrected cond	---	11	2.55	dBm/1MHz	PASS

Verdict

PASS

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

References

TC start	09.10.2024 10:02:07
Ambit temp (test rack) [°C] humidity [rel%]	24.8 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5745
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5745 MHz

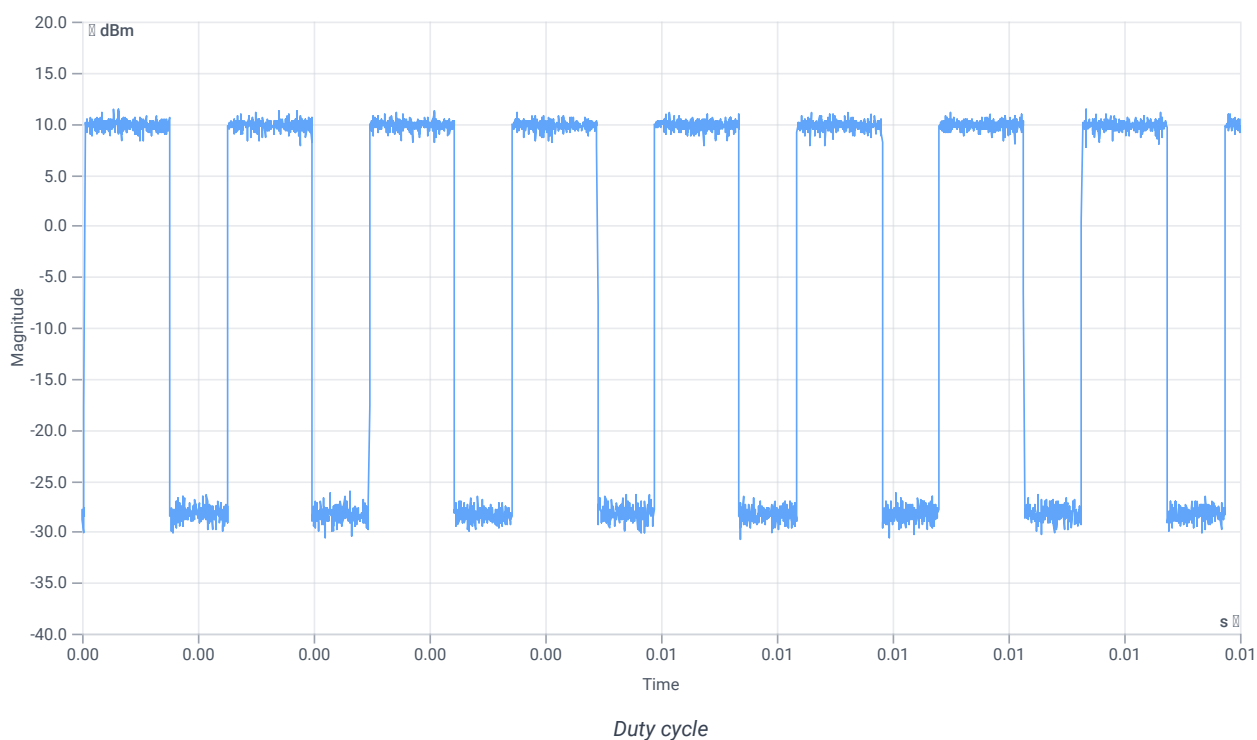
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.01	dBm	INFO
Ref. frequency	---	---	5743.600	MHz	INFO

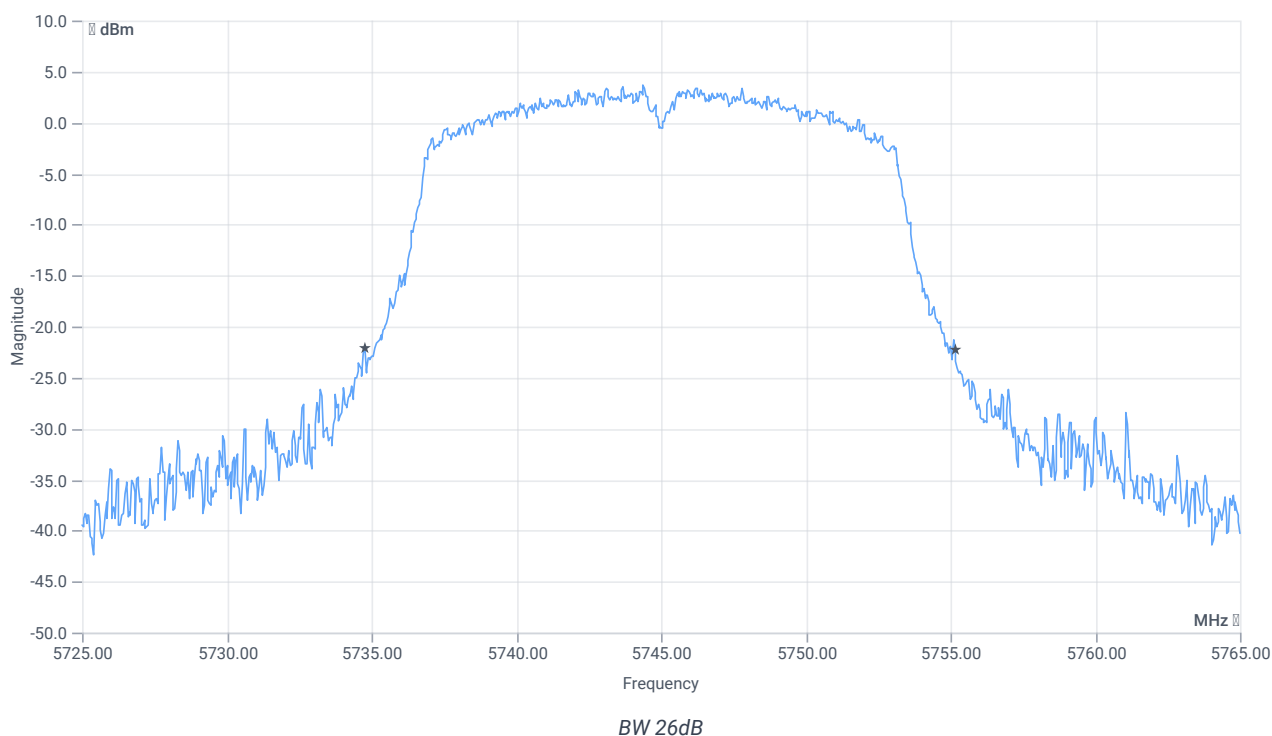
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.594	---	INFO
Duty cycle max	---	---	2.262	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.589	---	INFO
Duty cycle min	---	---	2.299	dB	INFO
Max TX burst length	---	---	0.728	ms	INFO
Min gap length	---	---	0.497	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



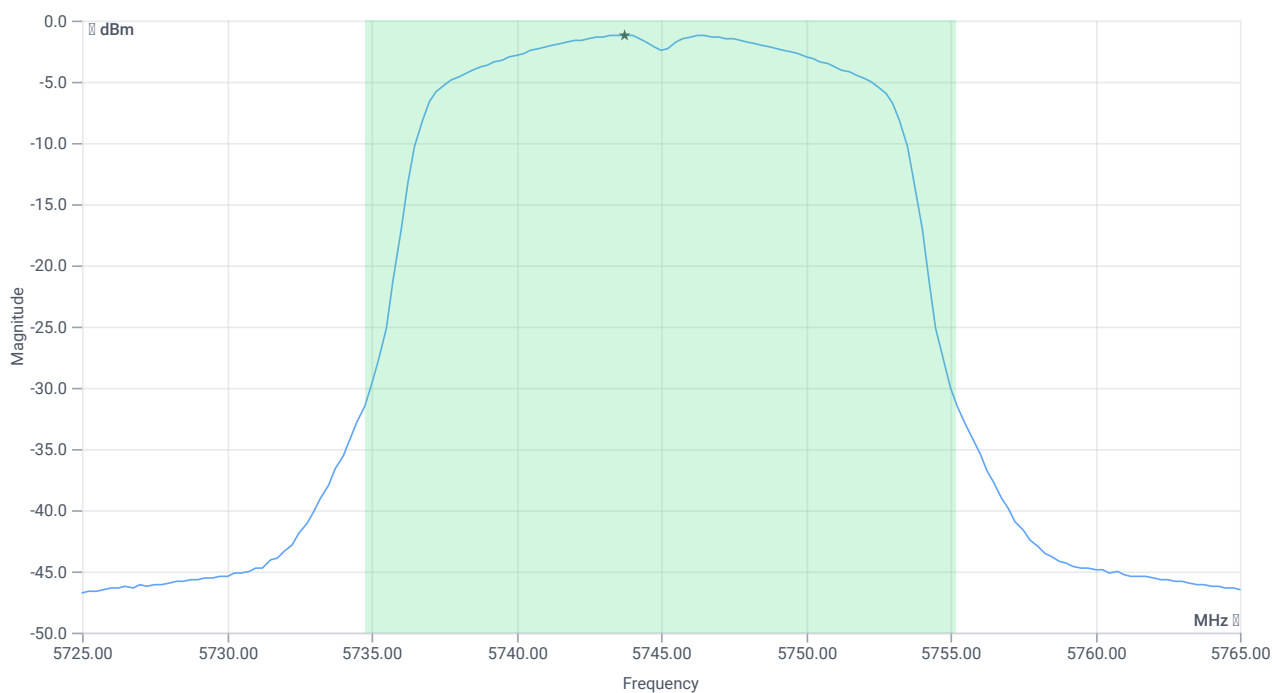
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	20.4	MHz	INFO
T1 26dB	---	---	5734.7600	MHz	INFO
T2 26dB	---	---	5755.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.01 13.52 25
Start [MHz] Stop [MHz]	5725.000 5765.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



RESULT

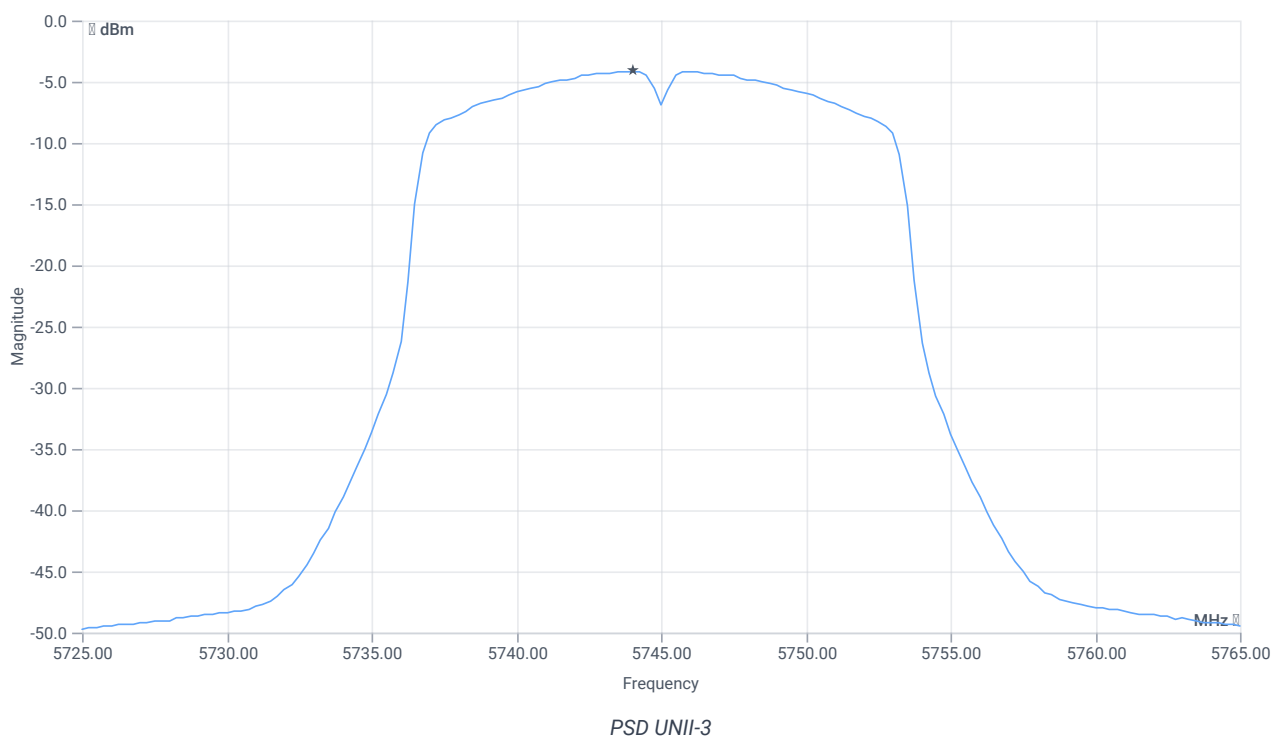
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.3	dBm	INFO
Duty cycle correction	---	---	2.3	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	11.6	dBm	PASS
LIMIT: 11 dBm + 10 log 20.4					
Max output power DC corrected cond	---	24.1	11.6	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.01 13.52 25
Start [MHz] Stop [MHz]	5725.000 5765.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	-4.12	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.3	dB	INFO
Power spectral density DC corrected cond	---	30	-1.82	dBm/0.5MHz	PASS

Verdict

PASS

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

References

TC start	09.10.2024 10:02:58
Ambit temp (test rack) [°C] humidity [rel%]	24.8 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5785 MHz

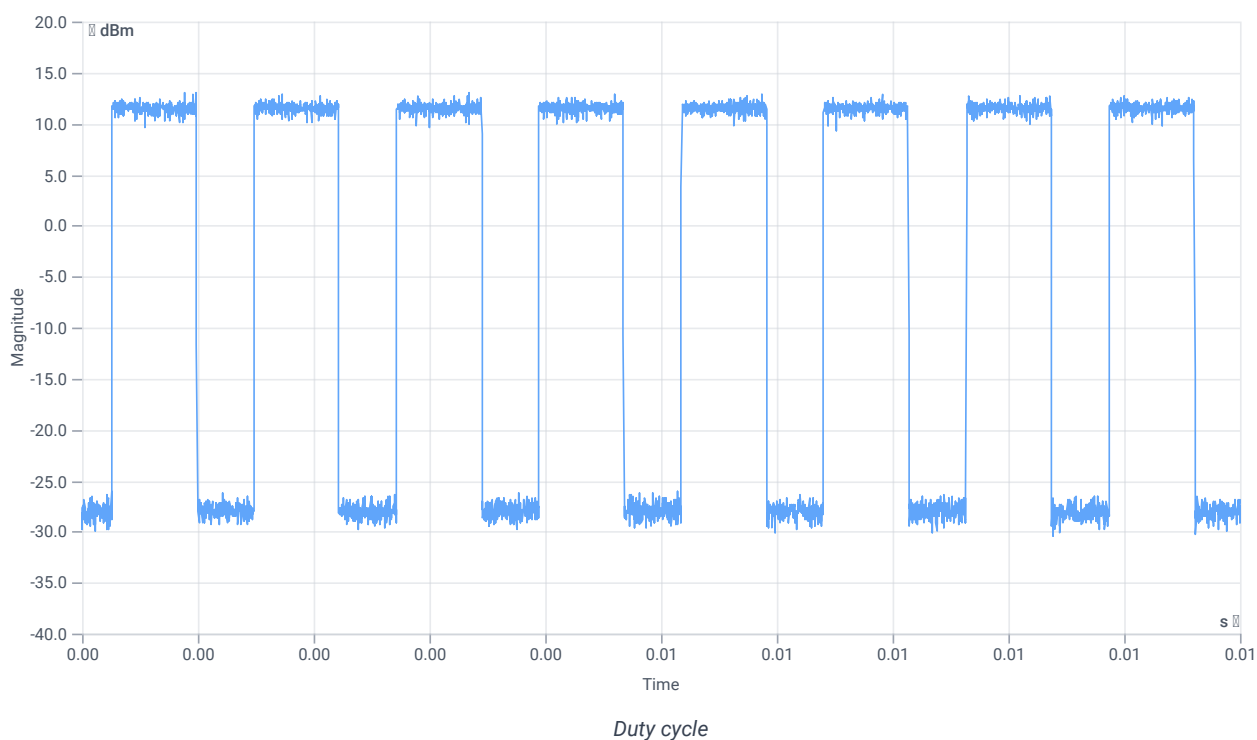
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.48	dBm	INFO
Ref. frequency	---	---	5788.200	MHz	INFO

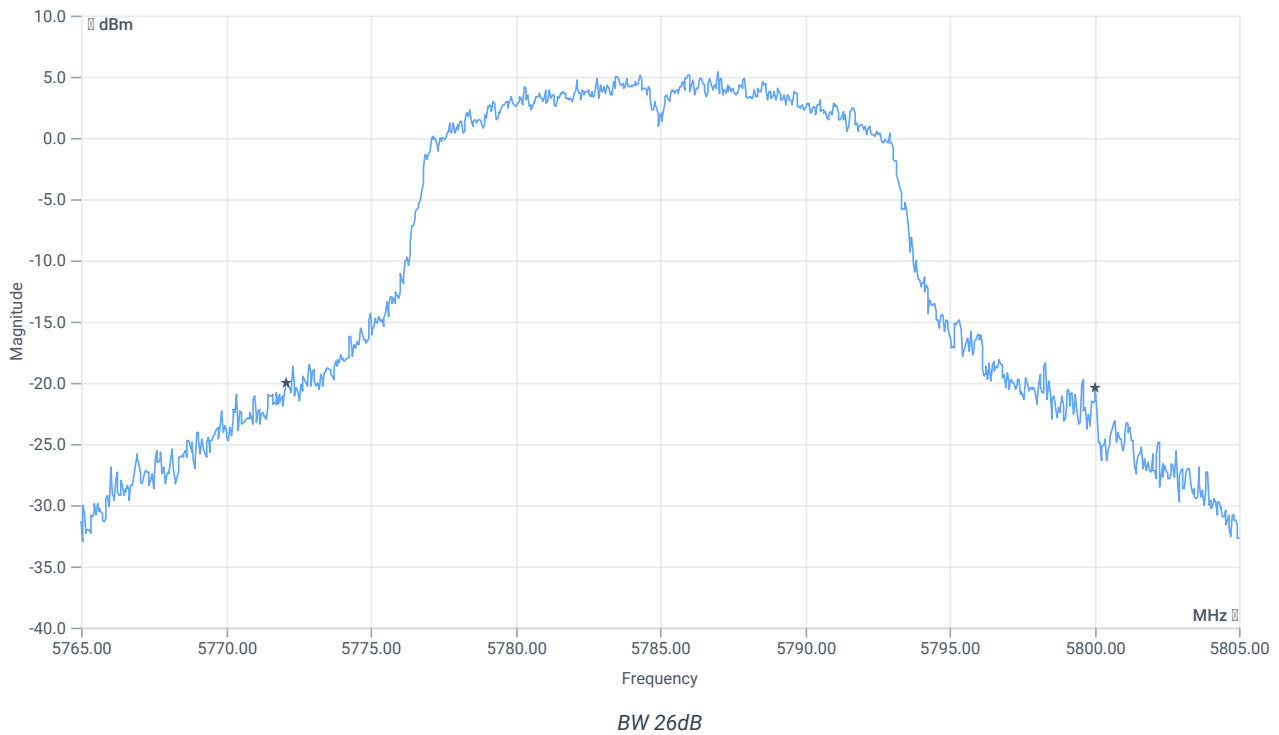
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 6					
Duty cycle (burst Ratio) max	---	---	0.595	---	INFO
Duty cycle max	---	---	2.255	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.59	---	INFO
Duty cycle min	---	---	2.291	dB	INFO
Max TX burst length	---	---	0.73	ms	INFO
Min gap length	---	---	0.497	ms	INFO
Max gap length	---	---	0.505	ms	INFO



Evaluation bandwidth



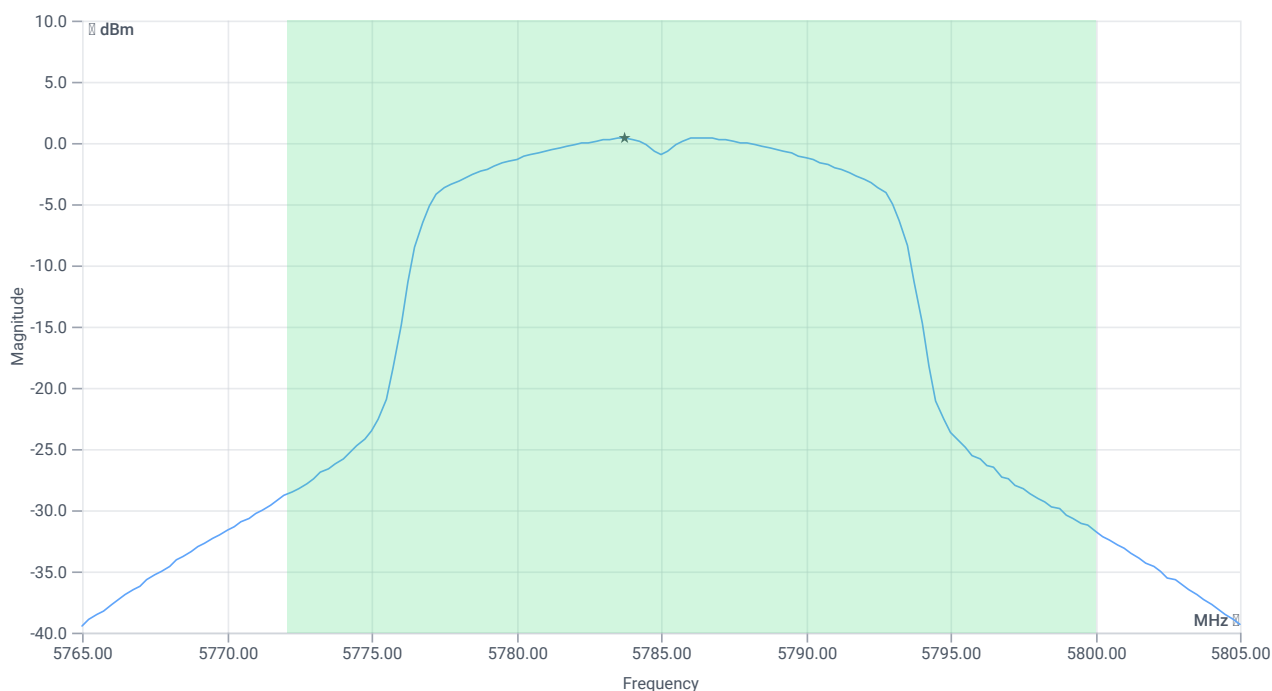
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	27.96	MHz	INFO
T1 26dB	---	---	5772.0800	MHz	INFO
T2 26dB	---	---	5800.0400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.48 13.65 25
Start [MHz] Stop [MHz]	5765.000 5805.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

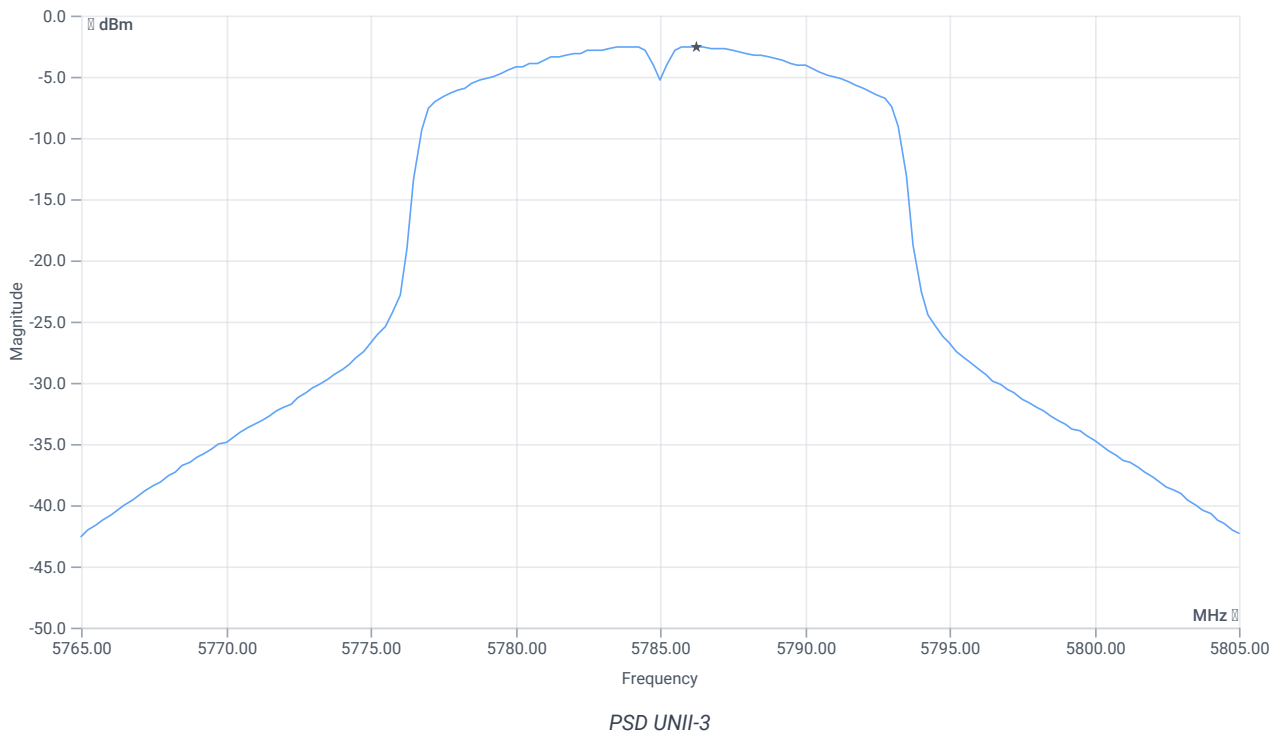
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.93	dBm	INFO
Duty cycle correction	---	---	2.29	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	13.22	dBm	PASS
LIMIT: 11 dBm + 10 log 27.96					
Max output power DC corrected cond	---	25.47	13.22	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.48 13.65 25
Start [MHz] Stop [MHz]	5765.000 5805.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	-2.52	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.29	dB	INFO
Power spectral density DC corrected cond	---	30	-0.23	dBm/0.5MHz	PASS

Verdict

PASS

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

References

TC start	09.10.2024 10:03:51
Ambit temp (test rack) [°C] humidity [rel%]	24.8 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx a mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx a mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	True Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5825 MHz

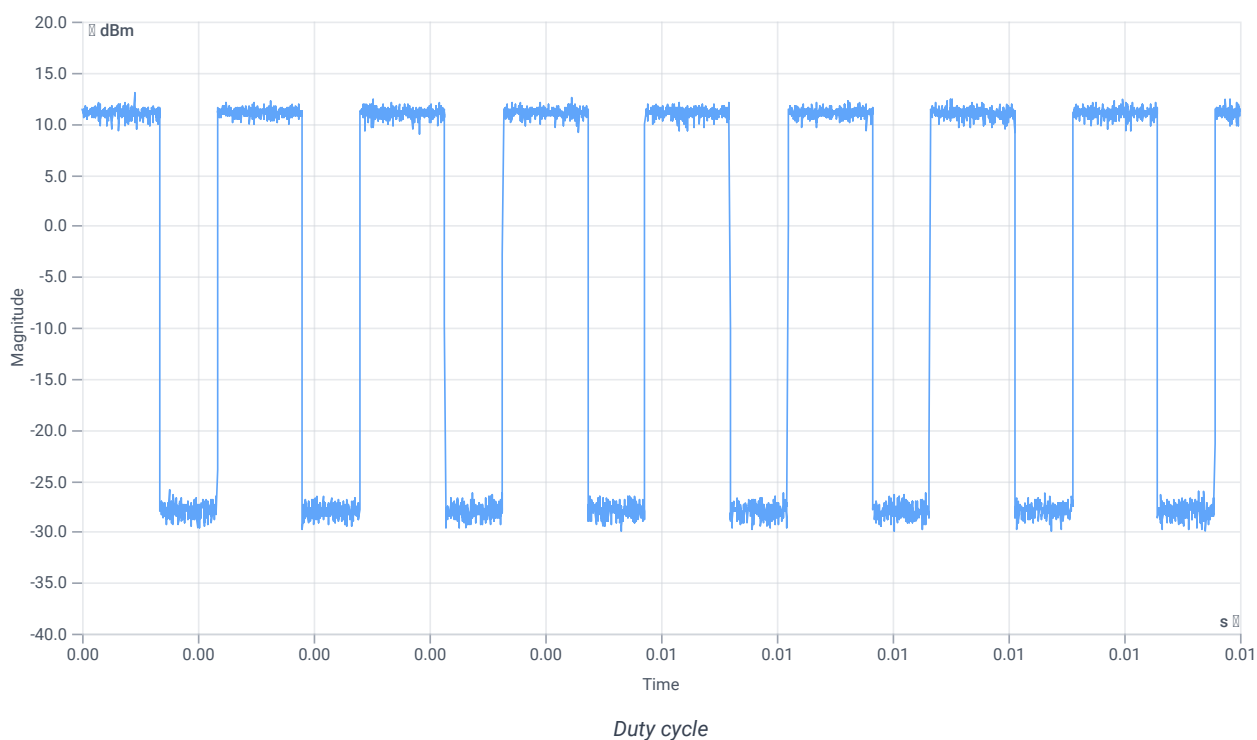
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.13	dBm	INFO
Ref. frequency	---	---	5821.800	MHz	INFO

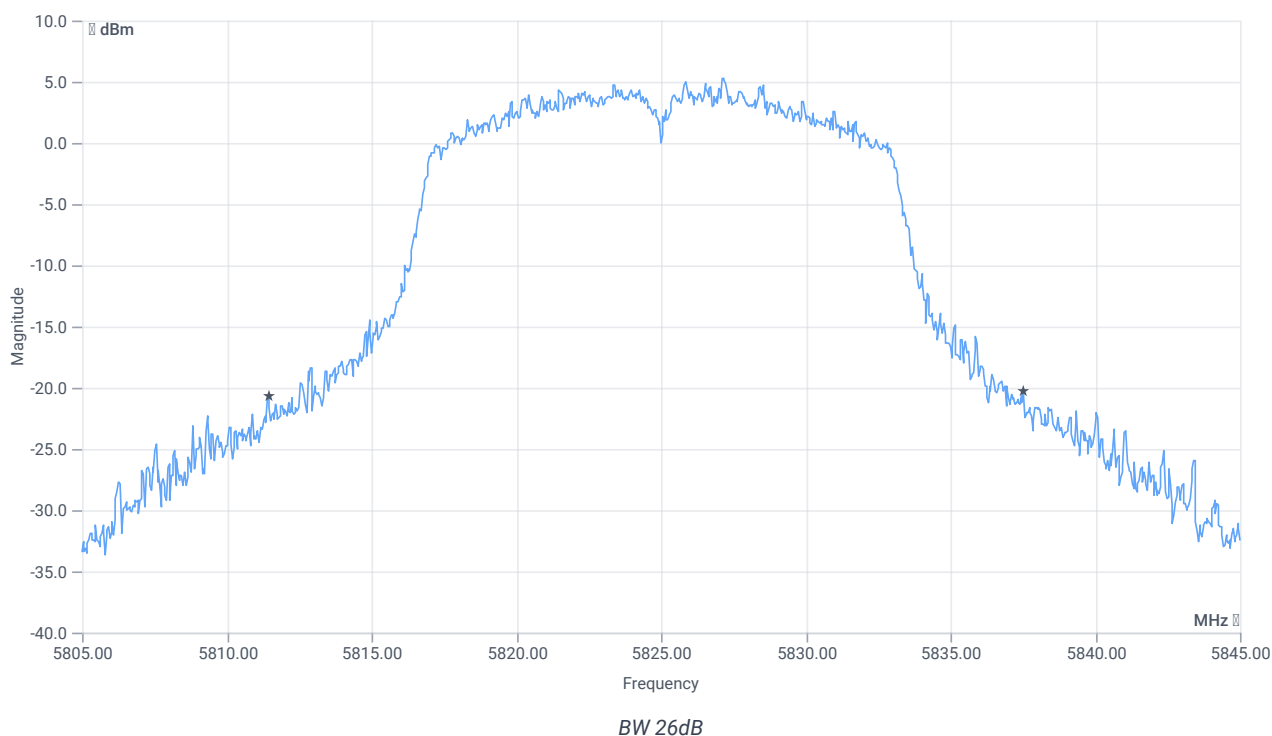
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.594	---	INFO
Duty cycle max	---	---	2.262	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.589	---	INFO
Duty cycle min	---	---	2.299	dB	INFO
Max TX burst length	---	---	0.728	ms	INFO
Min gap length	---	---	0.498	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



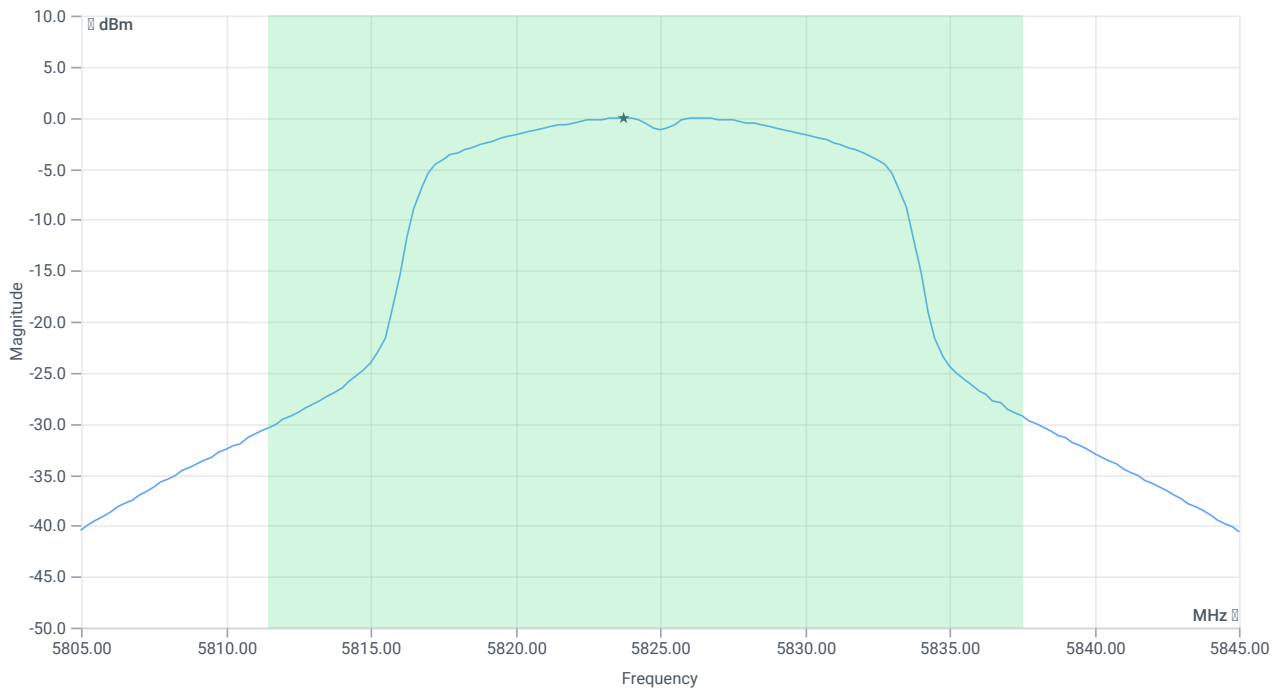
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	26.08	MHz	INFO
T1 26dB	---	---	5811.4400	MHz	INFO
T2 26dB	---	---	5837.5200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.13 13.58 25
Start [MHz] Stop [MHz]	5805.000 5845.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

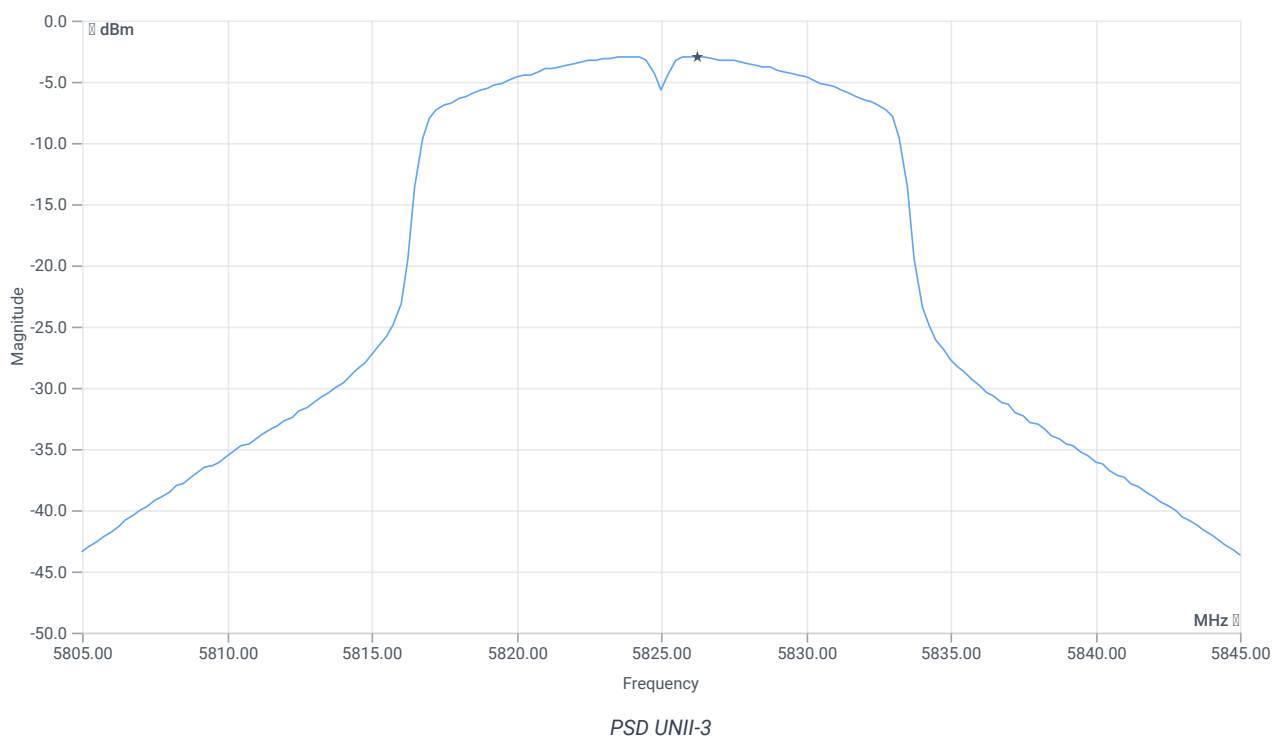
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.52	dBm	INFO
Duty cycle correction	---	---	2.3	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	12.82	dBm	PASS
LIMIT: 11 dBm + 10 log 26.08					
Max output power DC corrected cond	---	25.16	12.82	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.13 13.58 25
Start [MHz] Stop [MHz]	5805.000 5845.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	-2.93	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.3	dB	INFO
Power spectral density DC corrected cond	---	30	-0.63	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	09.10.2024 10:09:43
Ambit temp (test rack) [°C] humidity [rel%]	24.9 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5180
Frequency mid to test	False Freq [MHz] 5220
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5180 MHz

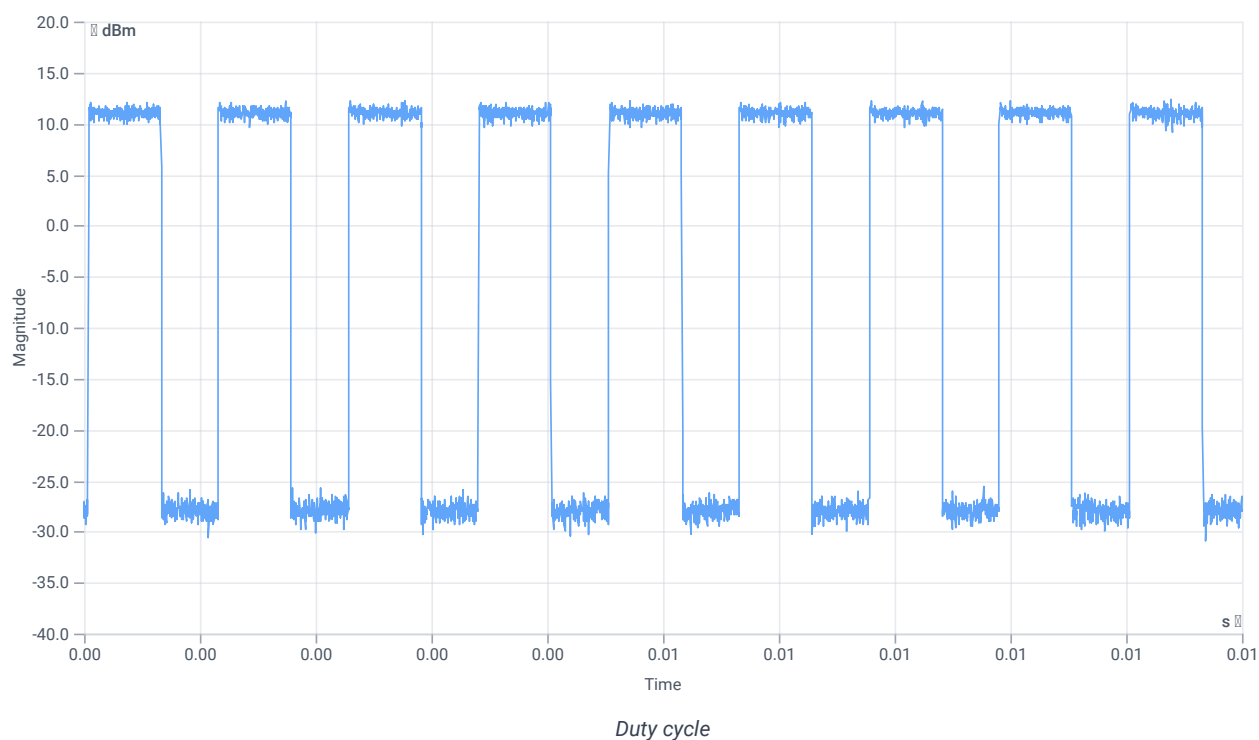
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.30	dBm	INFO
Ref. frequency	---	---	5181.400	MHz	INFO

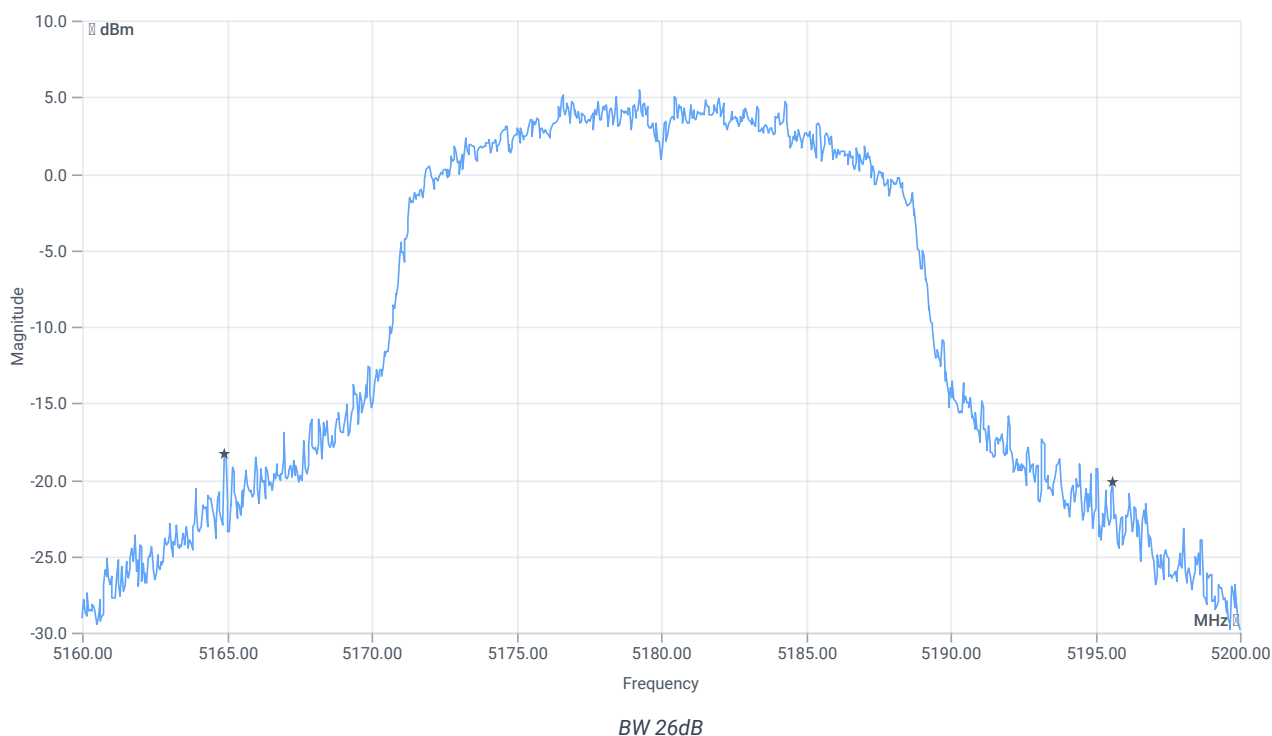
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.558	---	INFO
Duty cycle max	---	---	2.534	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.552	---	INFO
Duty cycle min	---	---	2.581	dB	INFO
Max TX burst length	---	---	0.625	ms	INFO
Min gap length	---	---	0.495	ms	INFO
Max gap length	---	---	0.505	ms	INFO



Evaluation bandwidth



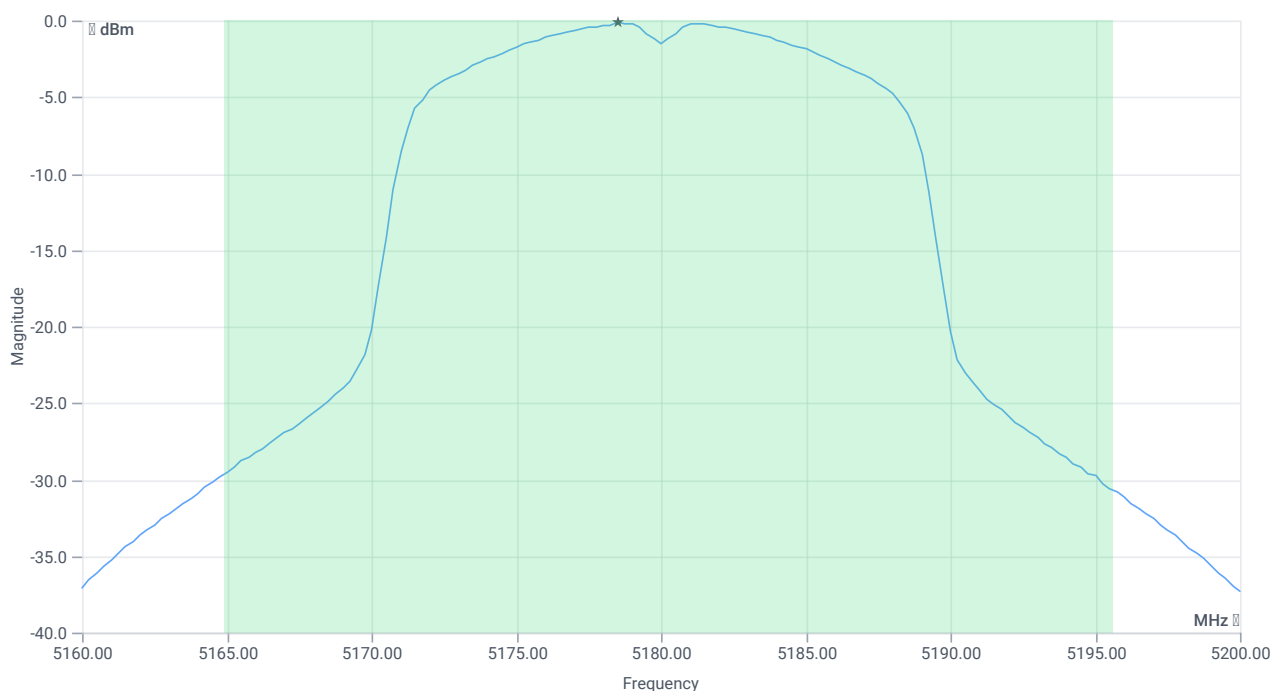
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	30.68	MHz	INFO
T1 26dB	---	---	5164.9200	MHz	INFO
T2 26dB	---	---	5195.6000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.30 13.39 25
Start [MHz] Stop [MHz]	5160.000 5200.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.48	dBm	INFO
Duty cycle correction	---	---	2.58	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.06	dBm	PASS
LIMIT: 11 dBm + 10 log 30.68					
Max output power DC corrected cond	---	25.87	13.06	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.14	dBm/1MHz	INFO
Duty cycle correction	---	---	2.58	dB	INFO
Power spectral density DC corrected cond	---	11	2.44	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	09.10.2024 10:10:29
Ambit temp (test rack) [°C] humidity [rel%]	24.9 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	True Freq [MHz] 5220
Frequency high to test	False Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5220 MHz

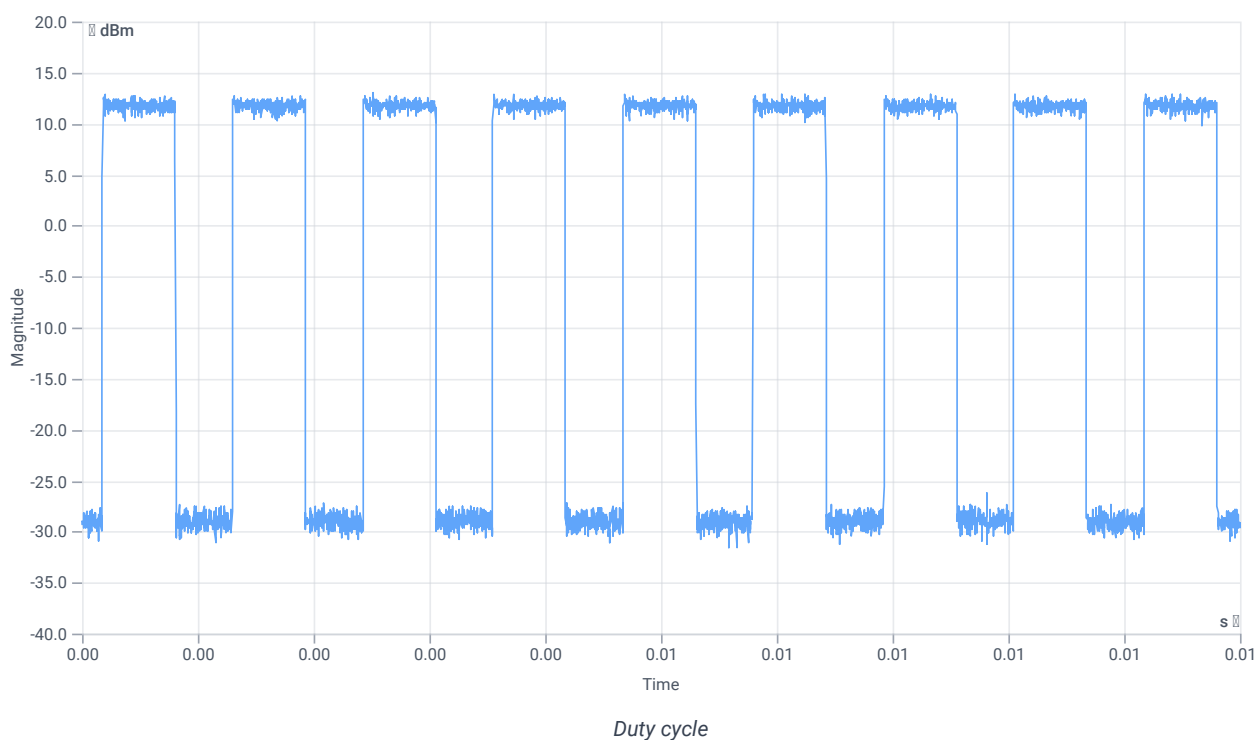
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.41	dBm	INFO
Ref. frequency	---	---	5219.400	MHz	INFO

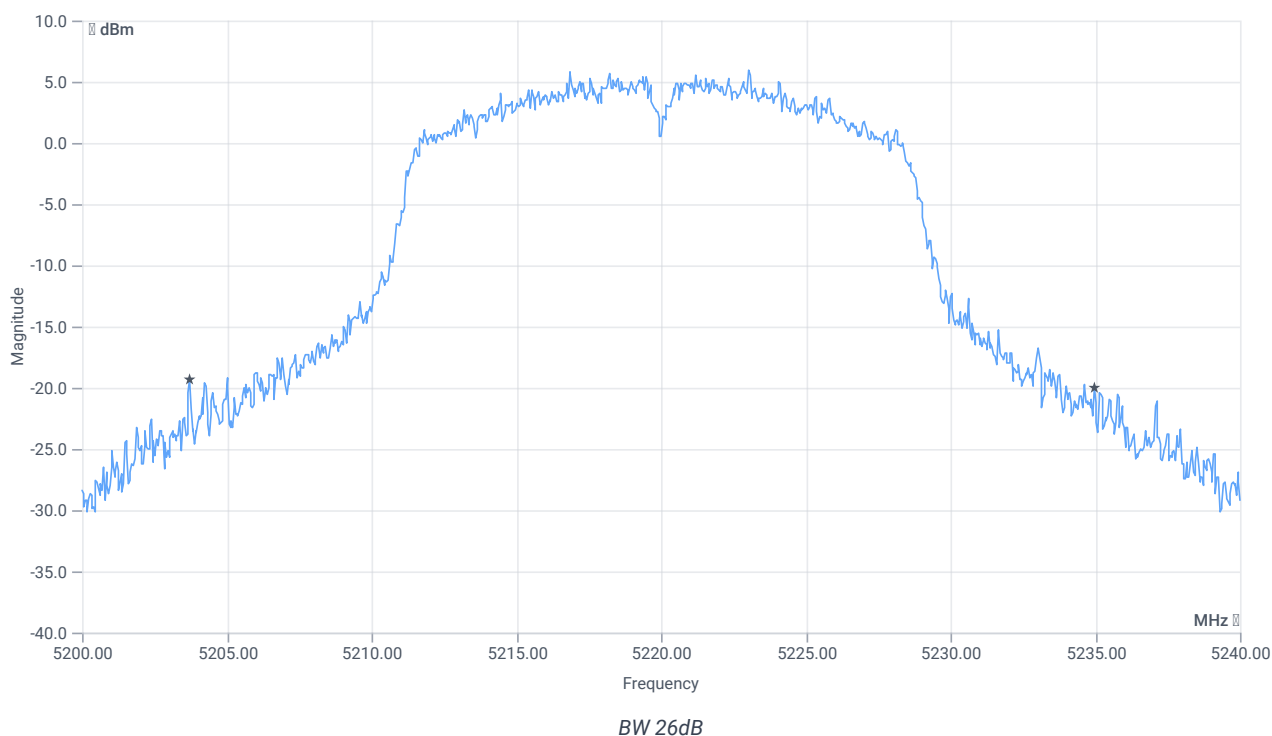
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.558	---	INFO
Duty cycle max	---	---	2.534	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.552	---	INFO
Duty cycle min	---	---	2.581	dB	INFO
Max TX burst length	---	---	0.625	ms	INFO
Min gap length	---	---	0.495	ms	INFO
Max gap length	---	---	0.505	ms	INFO



Evaluation bandwidth



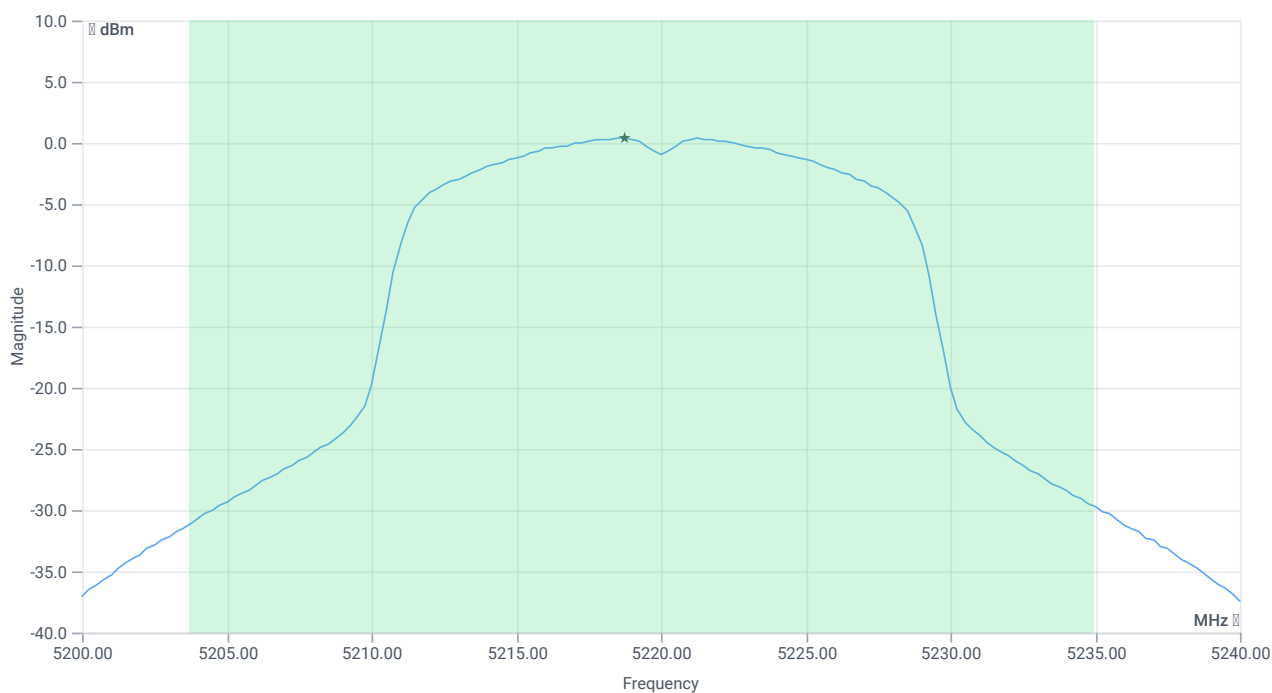
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	31.24	MHz	INFO
T1 26dB	---	---	5203.7200	MHz	INFO
T2 26dB	---	---	5234.9600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.41 13.29 25
Start [MHz] Stop [MHz]	5200.000 5240.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	11.02	dBm	INFO
Duty cycle correction	---	---	2.58	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.6	dBm	PASS
LIMIT: 11 dBm + 10 log 31.24					
Max output power DC corrected cond	---	25.95	13.6	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	0.43	dBm/1MHz	INFO
Duty cycle correction	---	---	2.58	dB	INFO
Power spectral density DC corrected cond	---	11	3.01	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-1

References

TC start	09.10.2024 10:11:12
Ambit temp (test rack) [°C] humidity [rel%]	24.9 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-1
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5180
Frequency mid to test	False Freq [MHz] 5220
Frequency high to test	True Freq [MHz] 5240
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5240 MHz

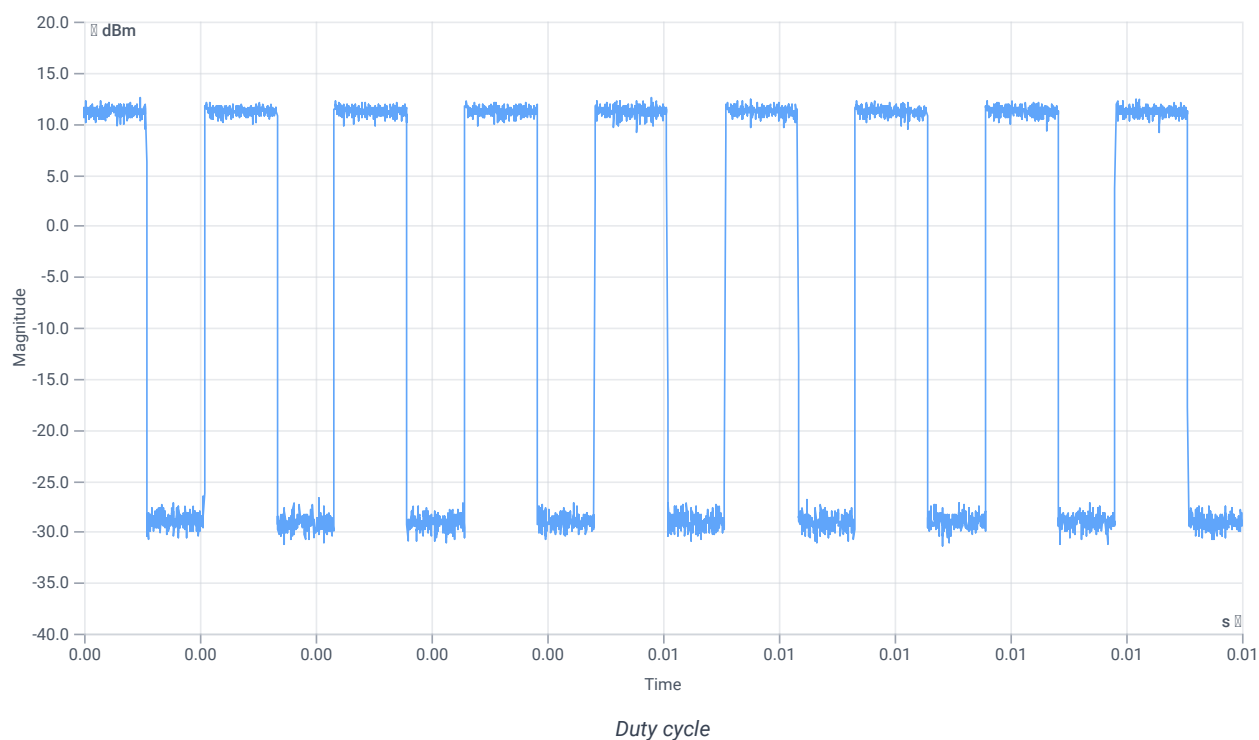
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.68	dBm	INFO
Ref. frequency	---	---	5237.800	MHz	INFO

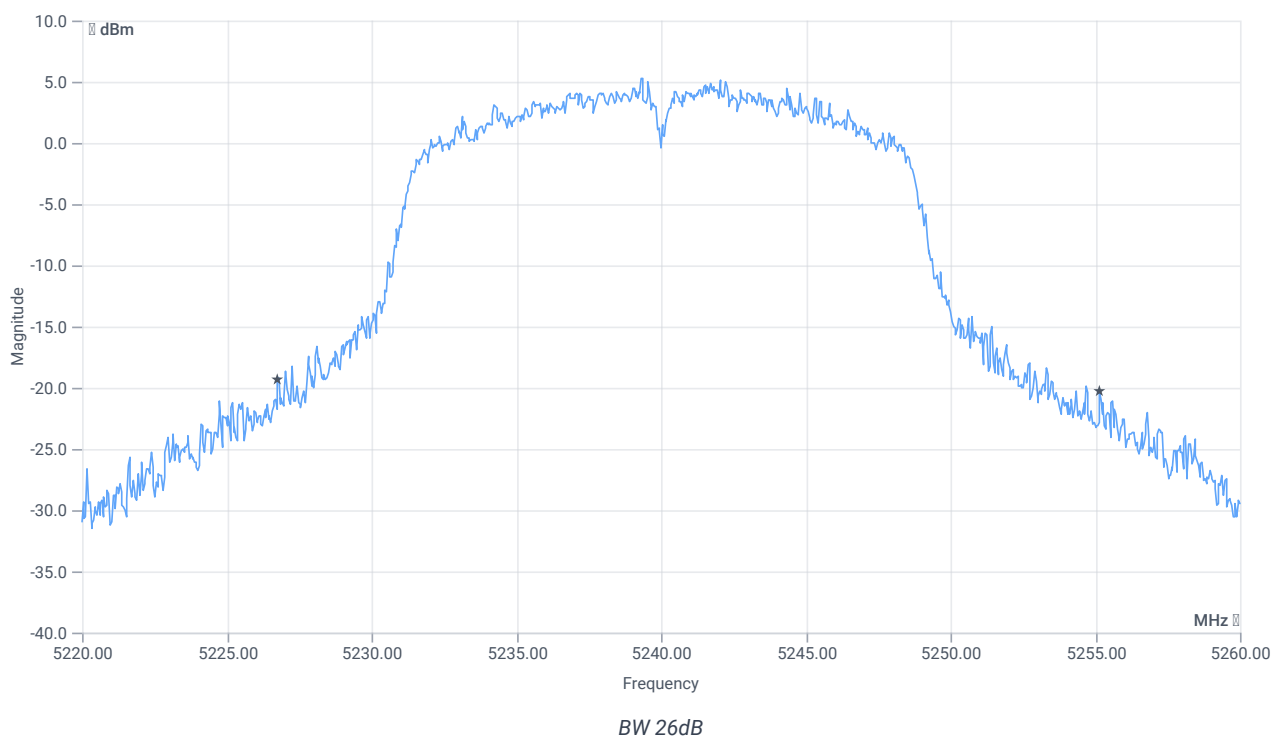
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.557	---	INFO
Duty cycle max	---	---	2.541	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.551	---	INFO
Duty cycle min	---	---	2.588	dB	INFO
Max TX burst length	---	---	0.625	ms	INFO
Min gap length	---	---	0.495	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



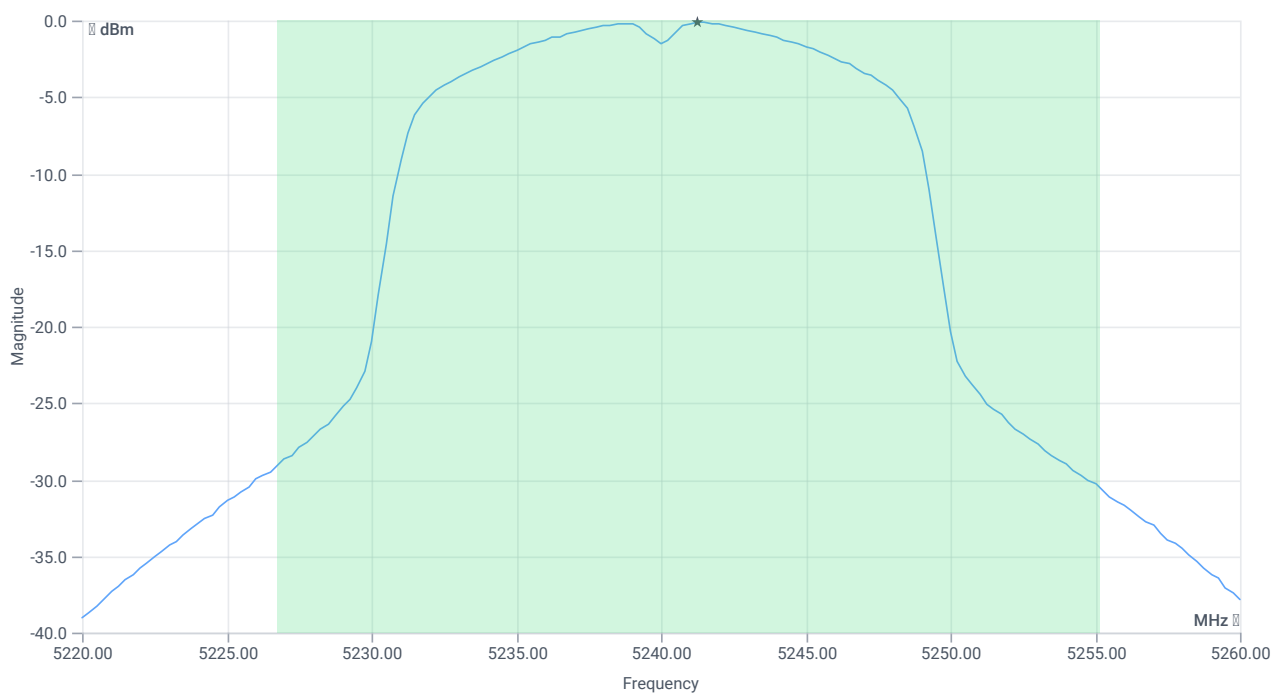
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	28.4	MHz	INFO
T1 26dB	---	---	5226.7600	MHz	INFO
T2 26dB	---	---	5255.1600	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.68 13.21 25
Start [MHz] Stop [MHz]	5220.000 5260.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.49	dBm	INFO
Duty cycle correction	---	---	2.59	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	24	13.08	dBm	PASS
LIMIT: 11 dBm + 10 log 28.4					
Max output power DC corrected cond	---	25.53	13.08	dBm	na

Power spectral density

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-0.14	dBm/1MHz	INFO
Duty cycle correction	---	---	2.59	dB	INFO
Power spectral density DC corrected cond	---	11	2.45	dBm/1MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	09.10.2024 10:11:57
Ambit temp (test rack) [°C] humidity [rel%]	24.9 46
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 5745
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5745 MHz

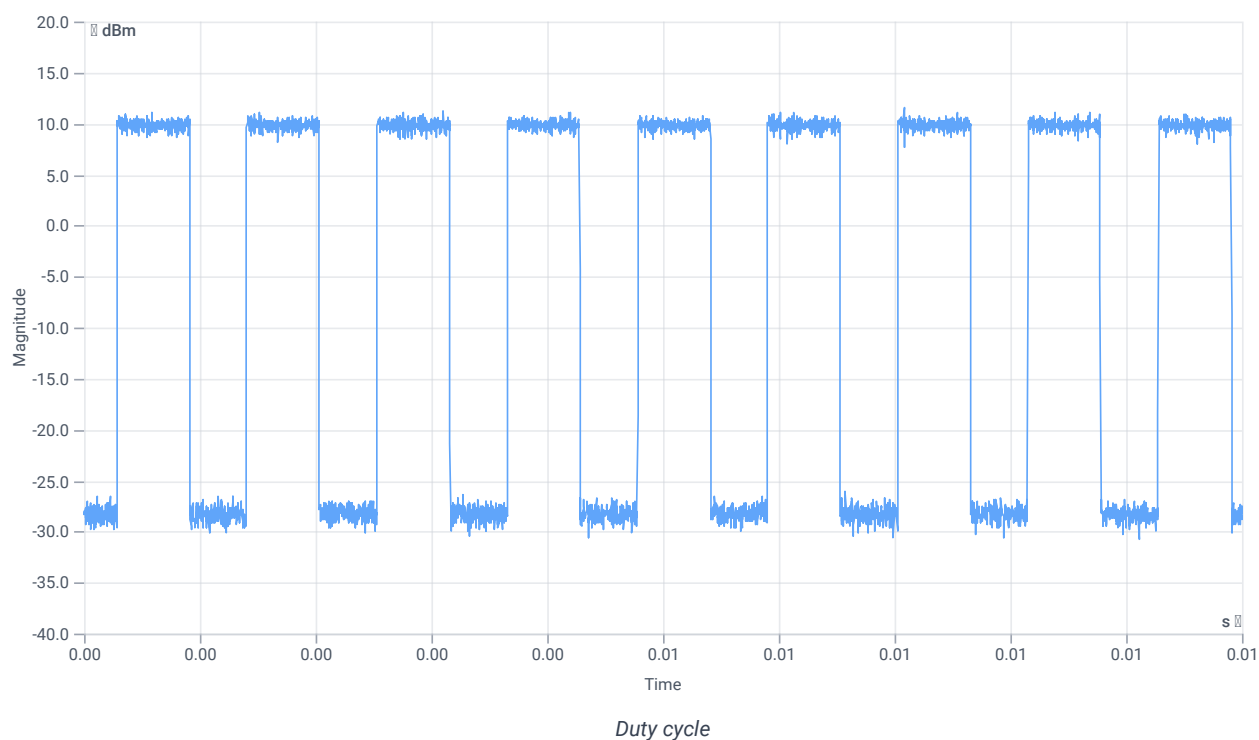
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.83	dBm	INFO
Ref. frequency	---	---	5747.200	MHz	INFO

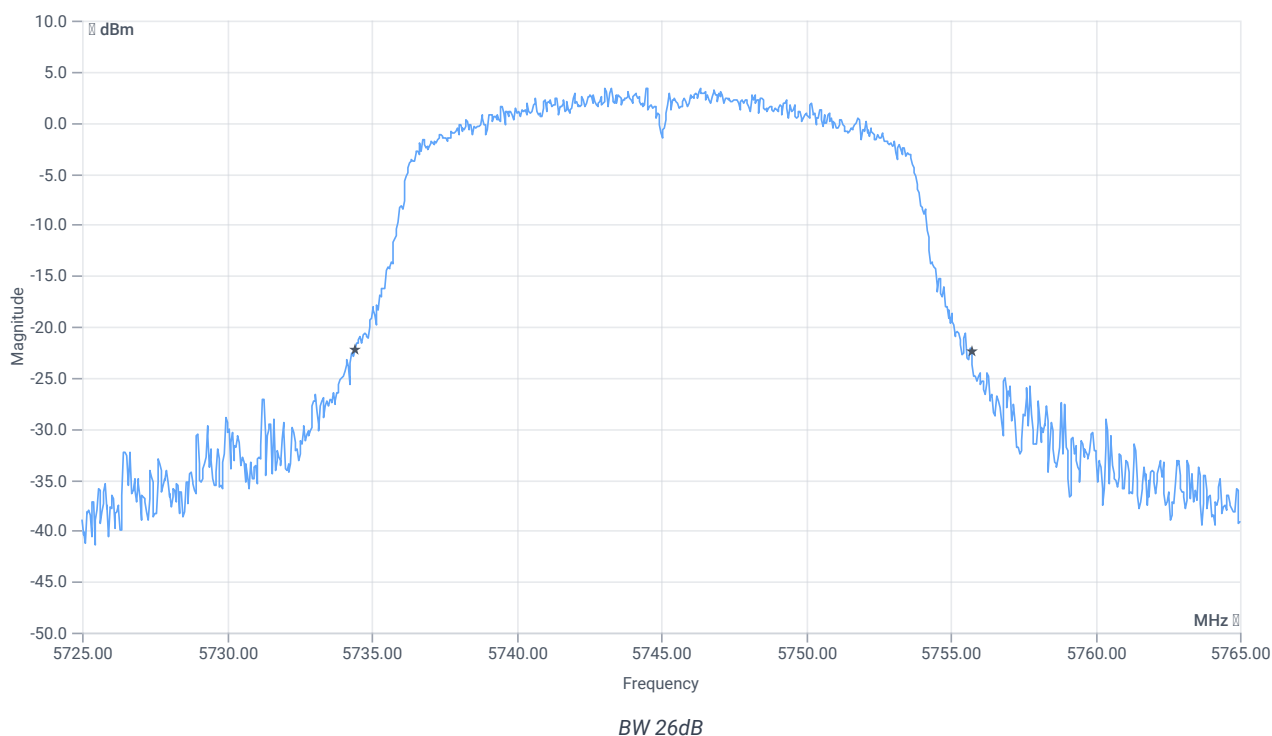
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.556	---	INFO
Duty cycle max	---	---	2.549	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.551	---	INFO
Duty cycle min	---	---	2.588	dB	INFO
Max TX burst length	---	---	0.623	ms	INFO
Min gap length	---	---	0.498	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



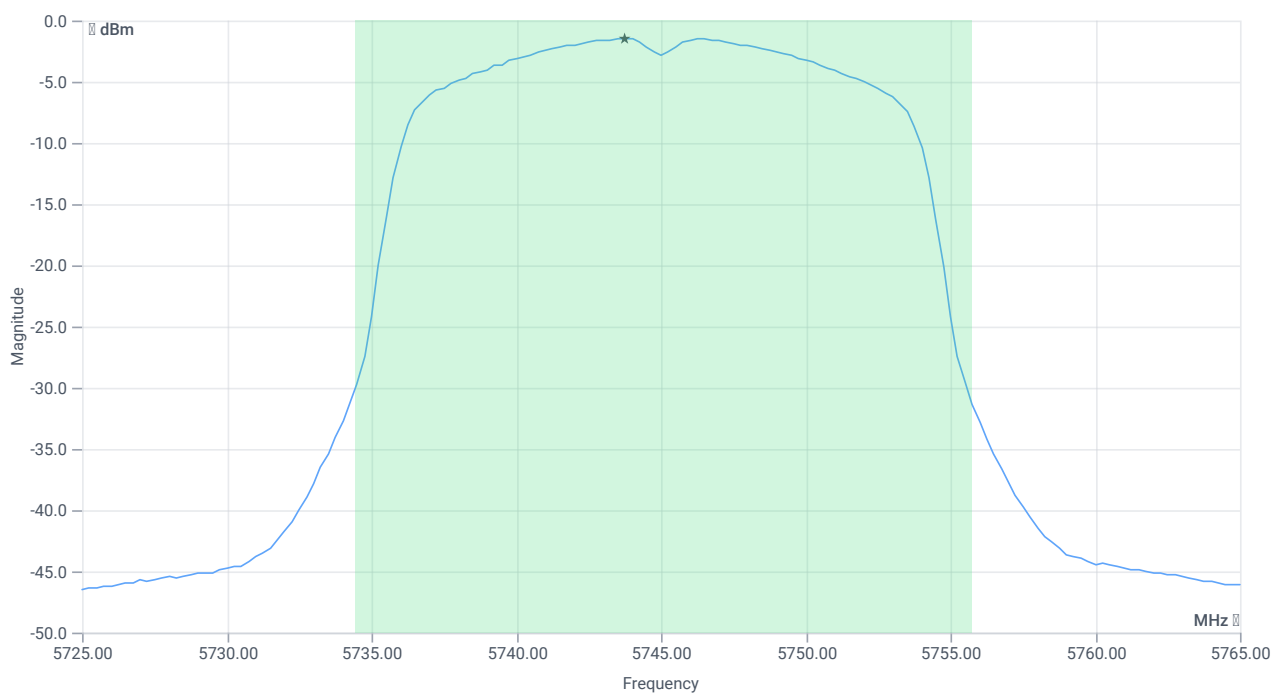
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	21.28	MHz	INFO
T1 26dB	---	---	5734.4400	MHz	INFO
T2 26dB	---	---	5755.7200	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.83 13.52 25
Start [MHz] Stop [MHz]	5725.000 5765.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

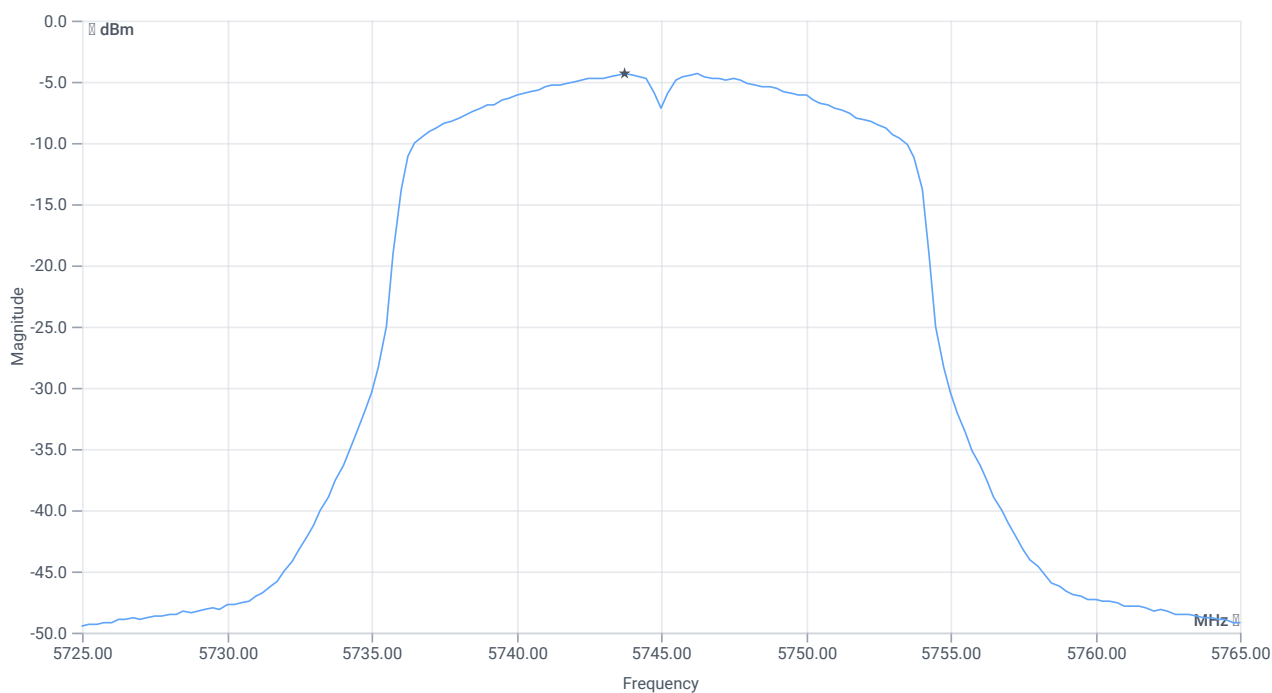
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	9.12	dBm	INFO
Duty cycle correction	---	---	2.59	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	11.71	dBm	PASS
LIMIT: 11 dBm + 10 log 21.28					
Max output power DC corrected cond	---	24.28	11.71	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.83 13.52 25
Start [MHz] Stop [MHz]	5725.000 5765.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



PSD UNII-3

RESULT

CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Power spectral density cond	---	---	-4.35	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.59	dB	INFO
Power spectral density DC corrected cond	---	30	-1.76	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	09.10.2024 10:12:48
Ambit temp (test rack) [°C] humidity [rel%]	24.9 47
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	True Freq [MHz] 5785
Frequency high to test	False Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5785 MHz

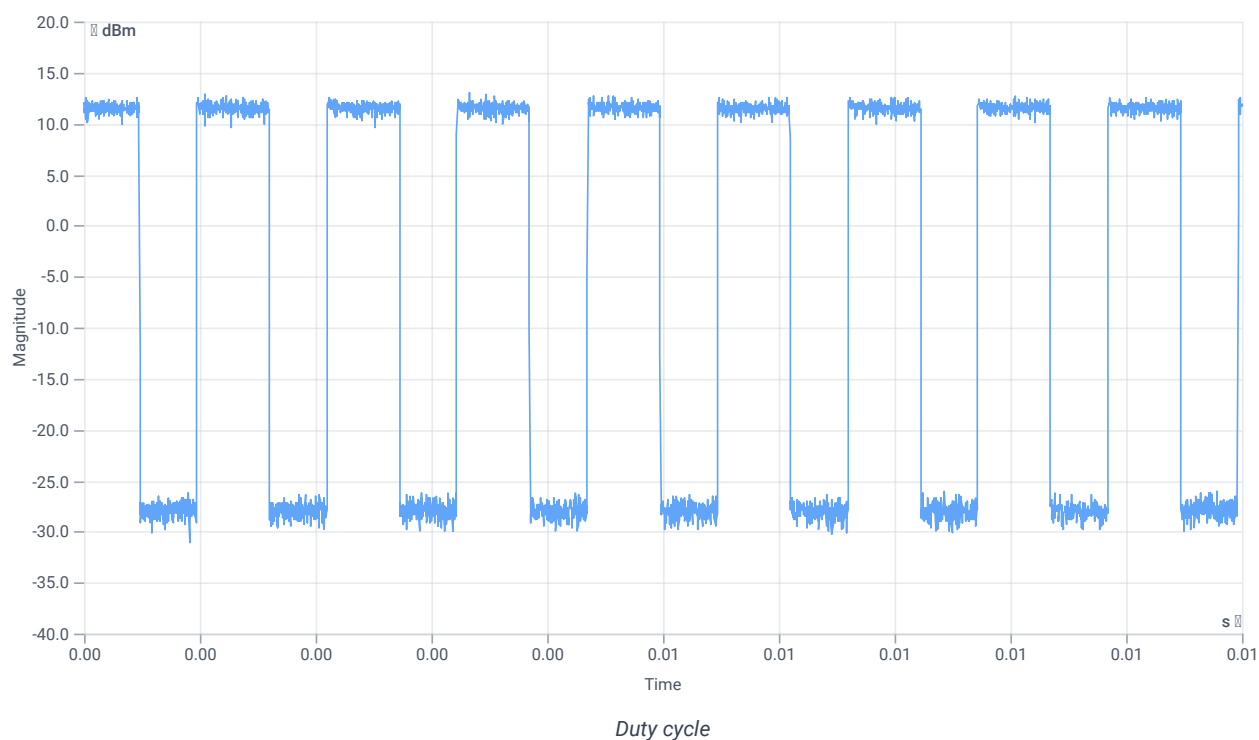
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.90	dBm	INFO
Ref. frequency	---	---	5788.000	MHz	INFO

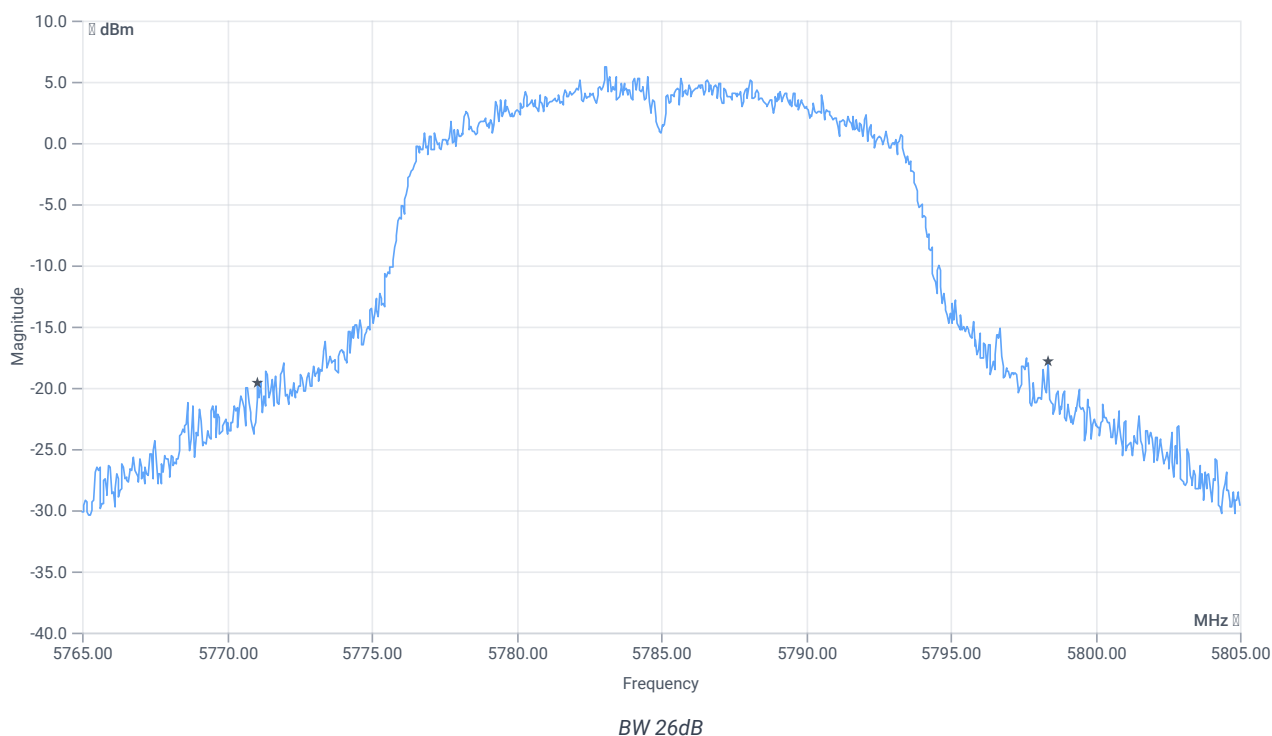
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 8					
Duty cycle (burst Ratio) max	---	---	0.556	---	INFO
Duty cycle max	---	---	2.549	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.551	---	INFO
Duty cycle min	---	---	2.588	dB	INFO
Max TX burst length	---	---	0.623	ms	INFO
Min gap length	---	---	0.497	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



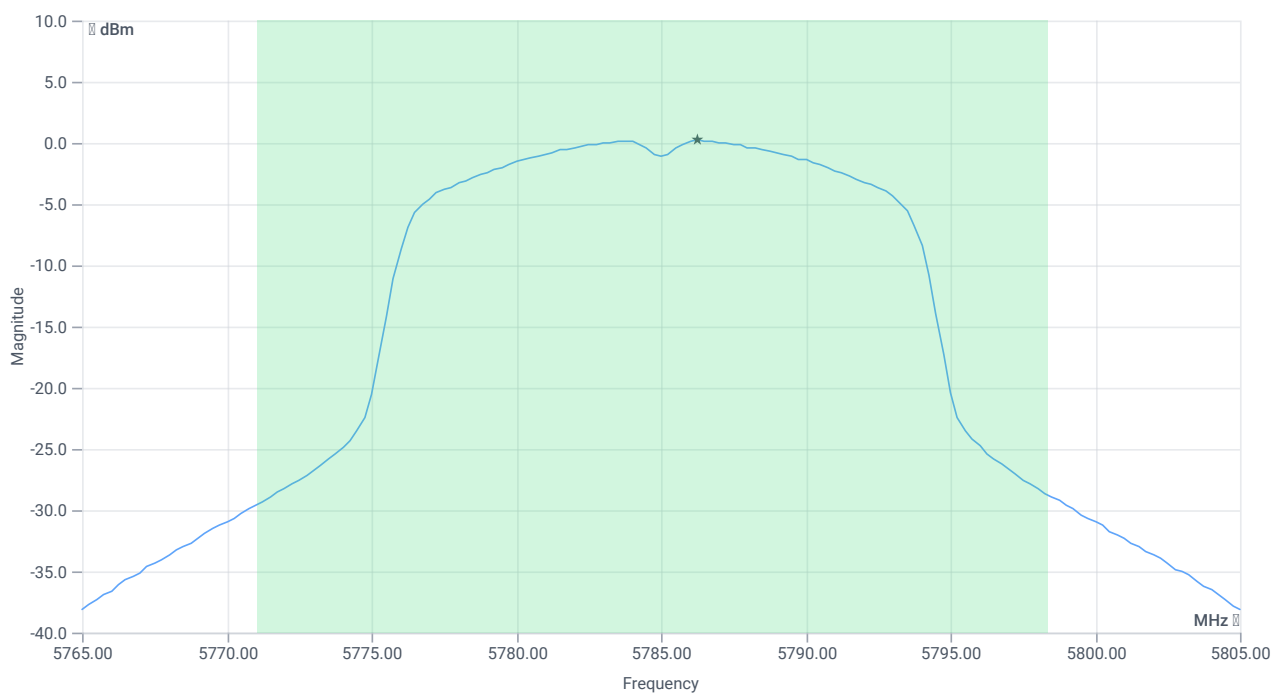
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	27.32	MHz	INFO
T1 26dB	---	---	5771.0800	MHz	INFO
T2 26dB	---	---	5798.4000	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.90 13.65 25
Start [MHz] Stop [MHz]	5765.000 5805.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



RESULT

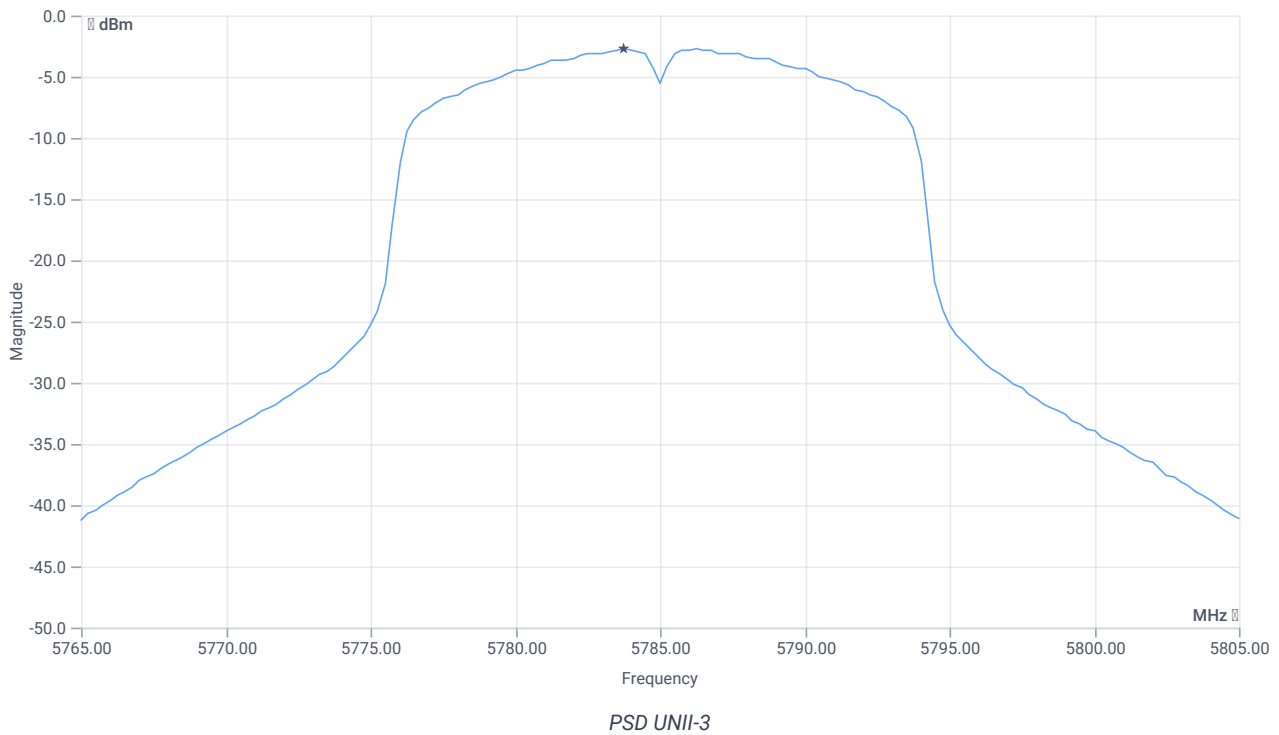
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.81	dBm	INFO
Duty cycle correction	---	---	2.59	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	13.4	dBm	PASS
LIMIT: 11 dBm + 10 log 27.32					
Max output power DC corrected cond	---	25.36	13.4	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.90 13.65 25
Start [MHz] Stop [MHz]	5765.000 5805.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	-2.72	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.59	dB	INFO
Power spectral density DC corrected cond	---	30	-0.13	dBm/0.5MHz	PASS

Verdict

PASS

FCC 15.407 # Max output power and psd ~ WLAN5Gx n-HT20 mode U-NII-3

References

TC start	09.10.2024 10:13:41
Ambit temp (test rack) [°C] humidity [rel%]	24.9 46
System version	5.0.8.5
Standard Version	FCC 15.407 NI
Method	KDB789033 D02, F., E.2.e.
Description	FCC 15.407 Max Output Power & PSD - WLAN5Gx n-HT20 mode U-NII-3
Information	

EUT Common Settings WLAN5Gx

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

Equipment

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

Test Parameter

Technology to test	WLAN5Gx n-HT20 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 5745
Frequency mid to test	False Freq [MHz] 5785
Frequency high to test	True Freq [MHz] 5825
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7
Full path type	EUT_SA_GEN_SIG
Full path name	EUT1.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 5825 MHz

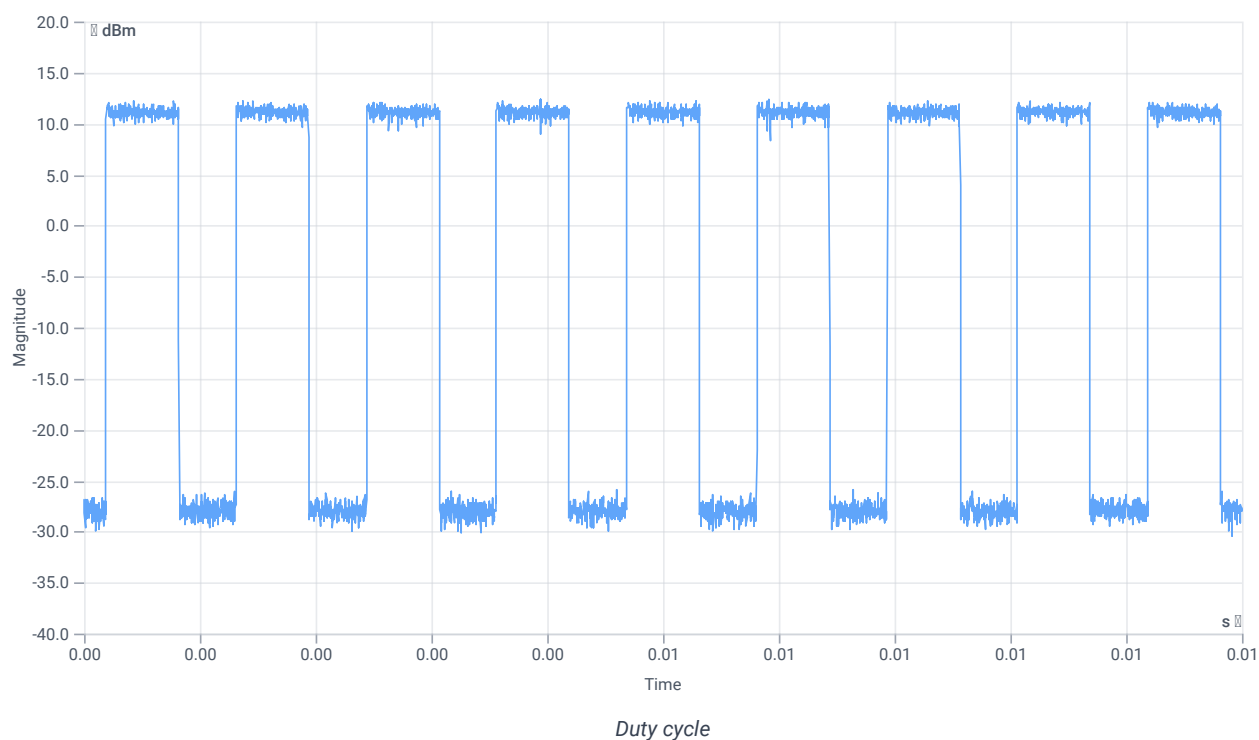
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.07	dBm	INFO
Ref. frequency	---	---	5823.200	MHz	INFO

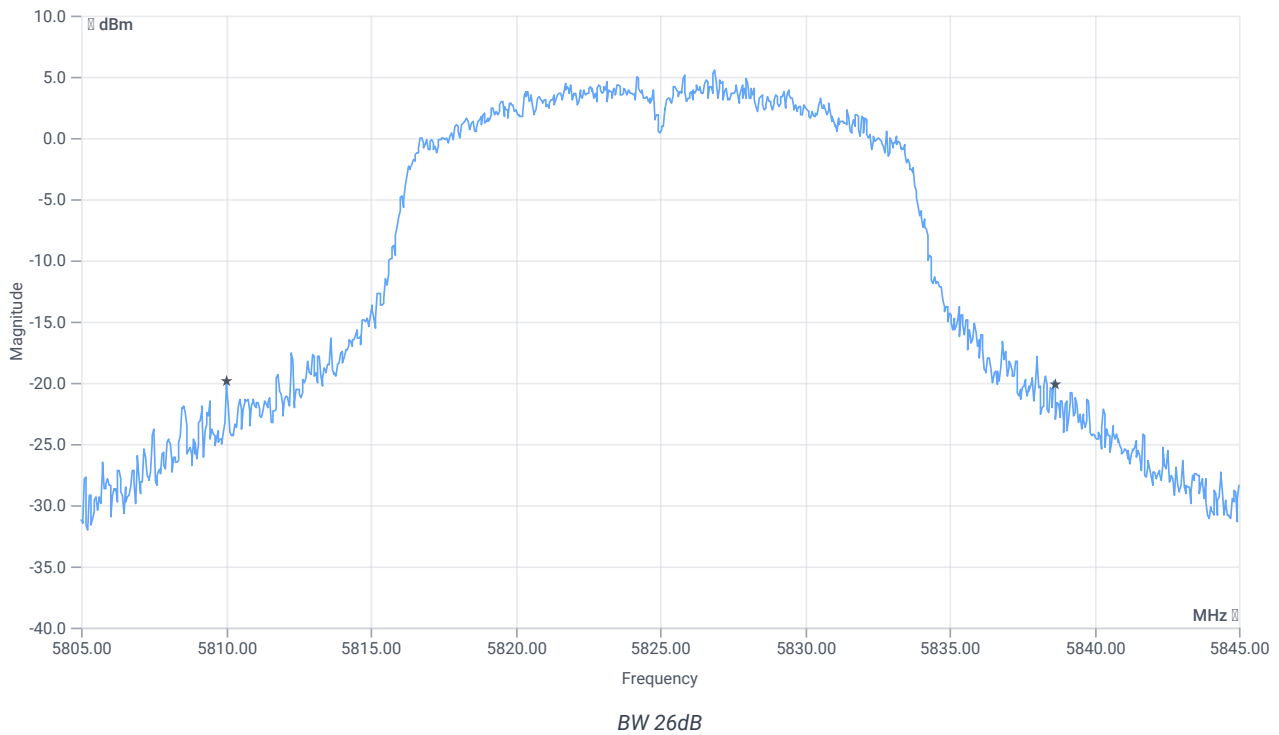
Evaluation max. duty cycle

DUTY CYCLE EVALUATION

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Result summary					
Number of detected bursts: 7					
Duty cycle (burst Ratio) max	---	---	0.558	---	INFO
Duty cycle max	---	---	2.534	dB	INFO
Duty cycle (burst Ratio) min	---	---	0.551	---	INFO
Duty cycle min	---	---	2.588	dB	INFO
Max TX burst length	---	---	0.625	ms	INFO
Min gap length	---	---	0.495	ms	INFO
Max gap length	---	---	0.508	ms	INFO



Evaluation bandwidth



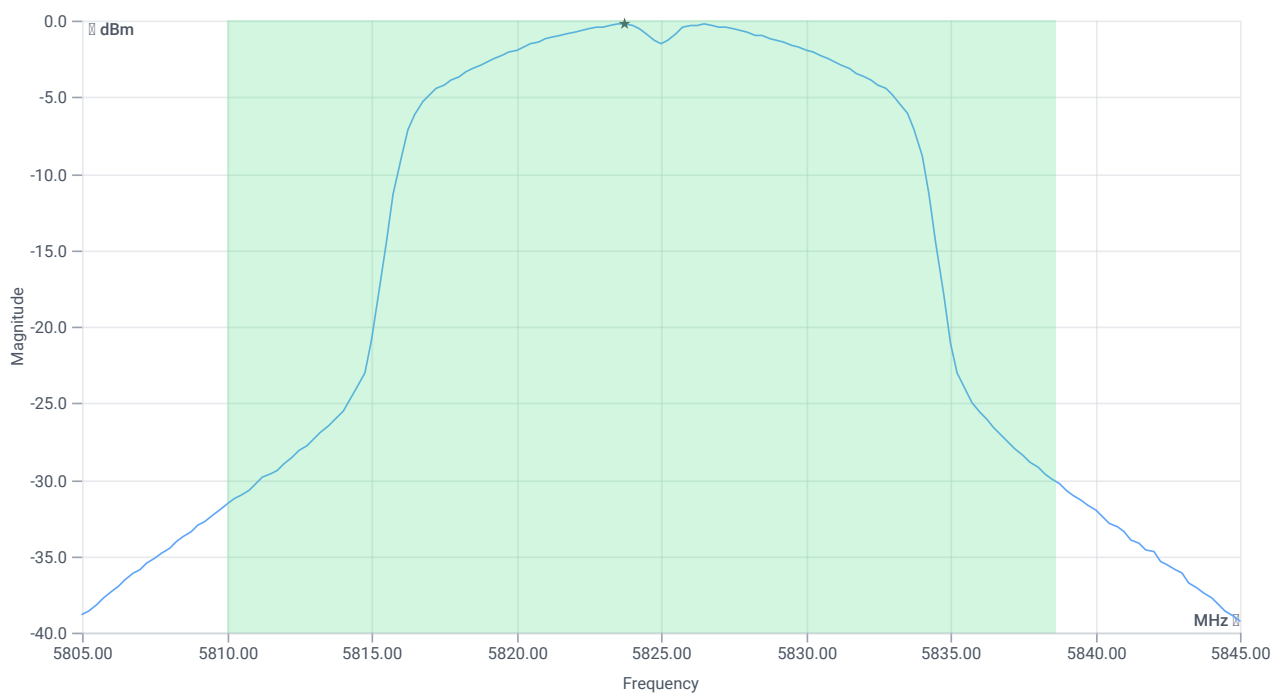
RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 26dB	---	---	28.64	MHz	INFO
T1 26dB	---	---	5810.0000	MHz	INFO
T2 26dB	---	---	5838.6400	MHz	INFO

Maximum Output Power

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.07 13.58 25
Start [MHz] Stop [MHz]	5805.000 5845.000
RBW [MHz] VBW [MHz]	1.000000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 1 161 SWE



Max OP and PSD

RESULT

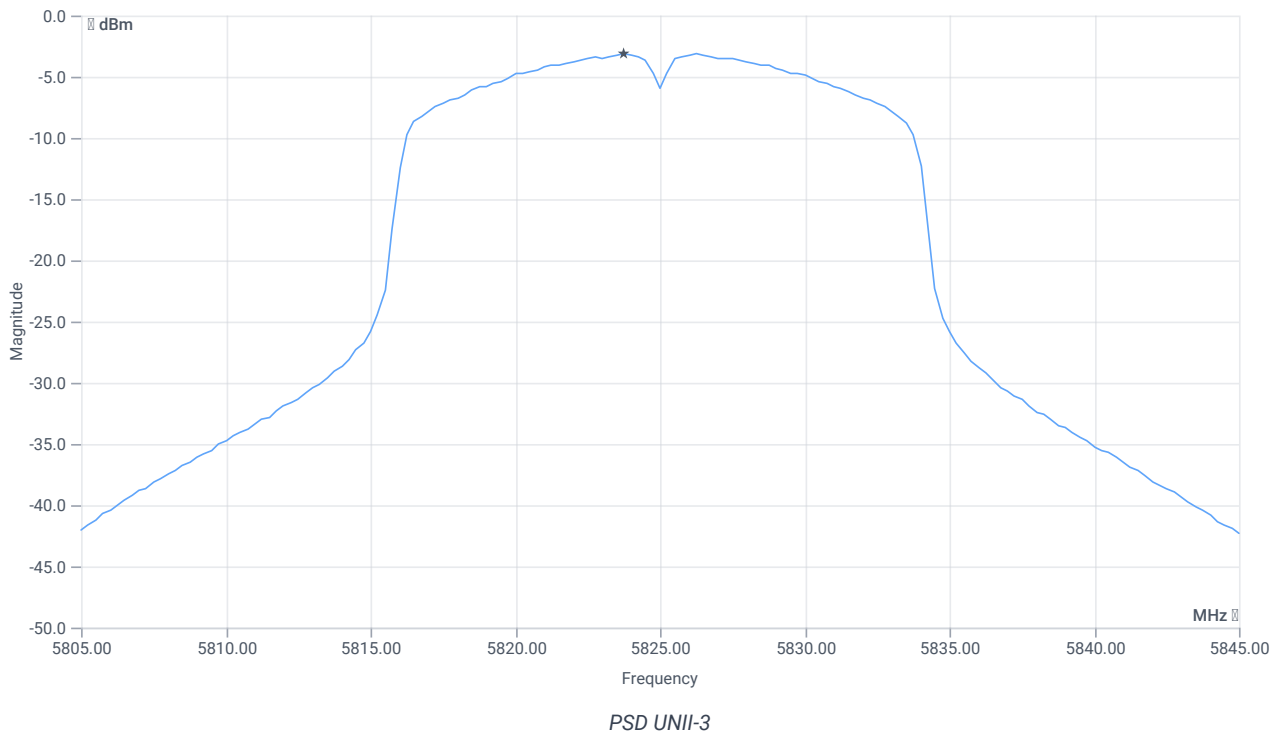
CONDUCTED LIMITS FOR MAX ANTENNA GAIN OF 6 D BI

Description	Lower Limit	Upper Limit	Measured	Unit	Verdict
Max output power cond	---	---	10.4	dBm	INFO
Duty cycle correction	---	---	2.59	dB	INFO
LIMIT absolute:					
Max output power DC corrected cond	---	30	12.99	dBm	PASS
LIMIT: 11 dBm + 10 log 28.64					
Max output power DC corrected cond	---	25.57	12.99	dBm	na

Power Spectral Density U-NII-3

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.07 13.58 25
Start [MHz] Stop [MHz]	5805.000 5845.000
RBW [MHz] VBW [MHz]	0.500000 3.000000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	5370 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	---	---	-3.11	dBm/0.5MHz	INFO
Duty cycle correction	---	---	2.59	dB	INFO
Power spectral density DC corrected cond	---	30	-0.52	dBm/0.5MHz	PASS

Verdict

PASS

- END OF DOCUMENT -