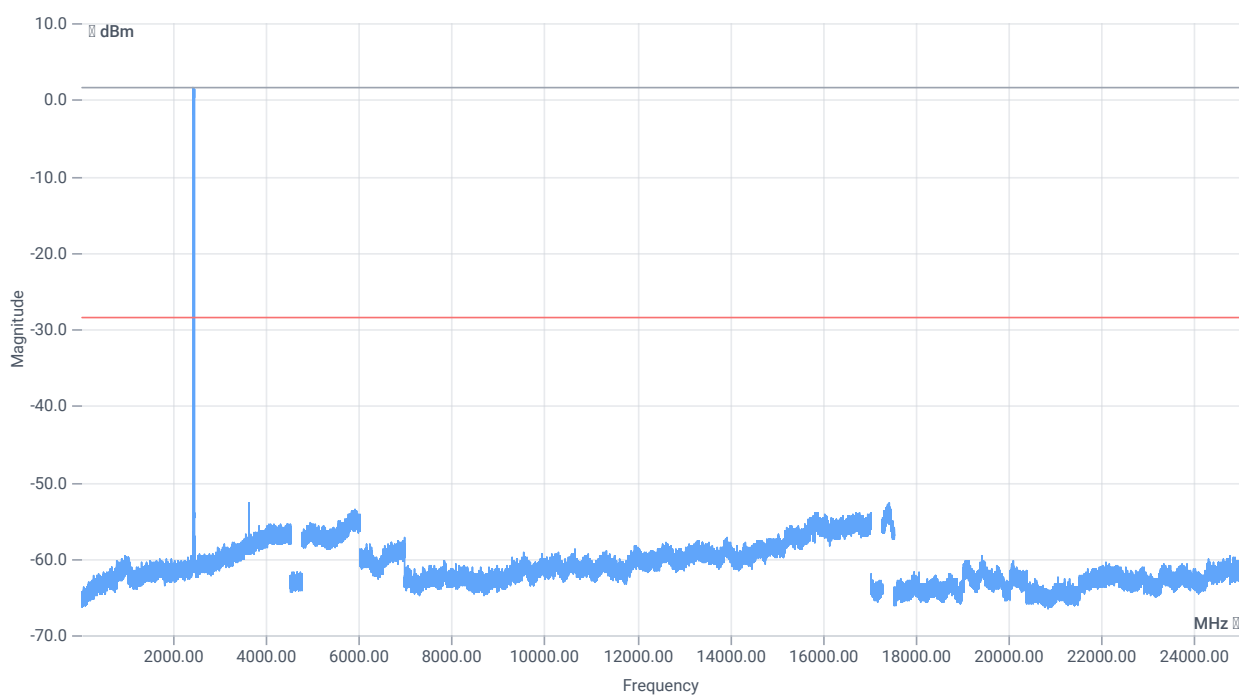


Test at TX 2437 MHz

RESULT: Reference power cond.

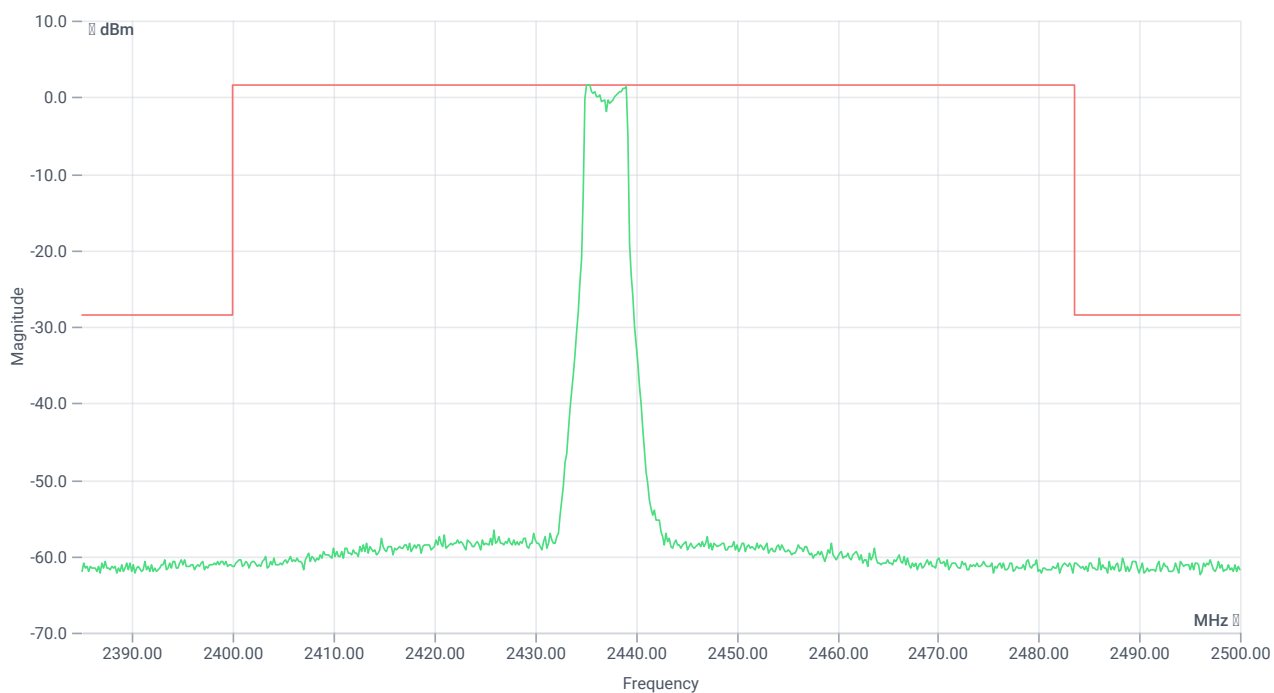
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.92	dBm	INFO
Ref. frequency	---	---	2438.000	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.92 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2435.33 MHz	---	---	1.57	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 3634.333 MHz	0	---	24.32	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:13:23
Ambit temp (test rack) [°C] humidity [rel%]	22.5 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_5MHz(QR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

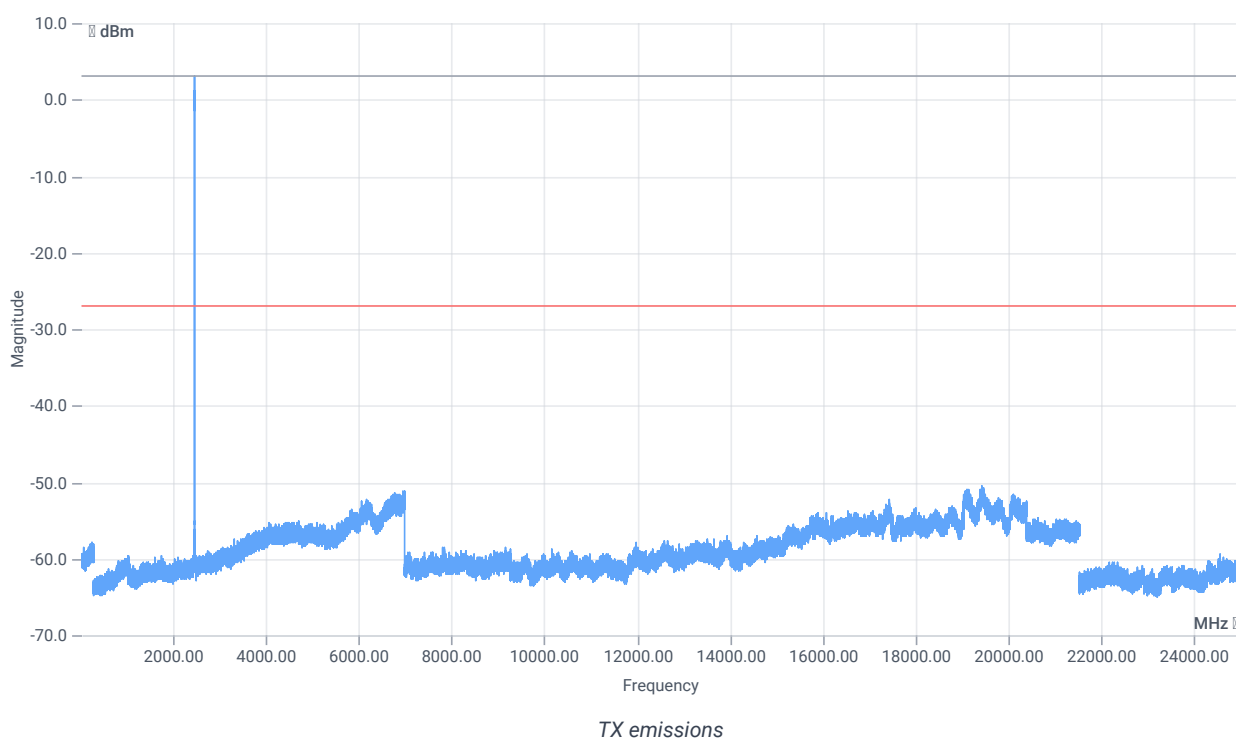
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

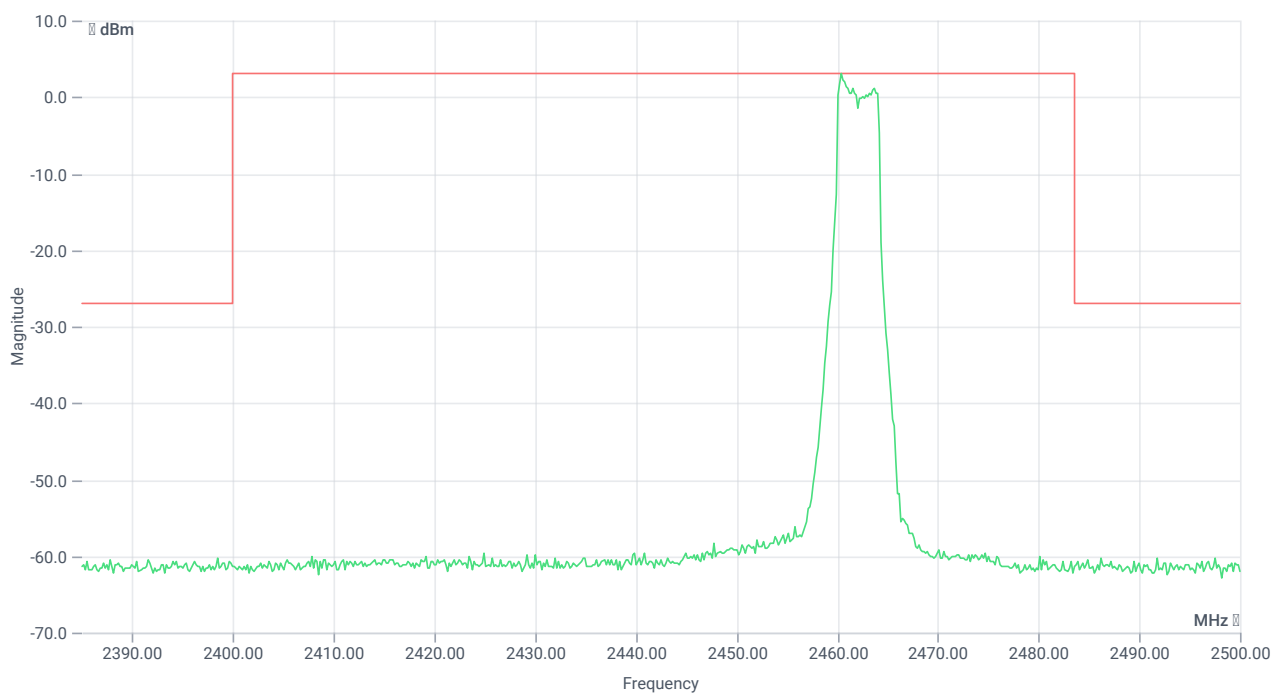
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	19.54	dBm	INFO
Ref. frequency	---	---	2461.000	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.54 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2460.33 MHz	---	---	2.97	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19426.667 MHz	0	---	23.47	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 13:43:22
Ambit temp (test rack) [°C] humidity [rel%]	22.4 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_5MHz(QR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

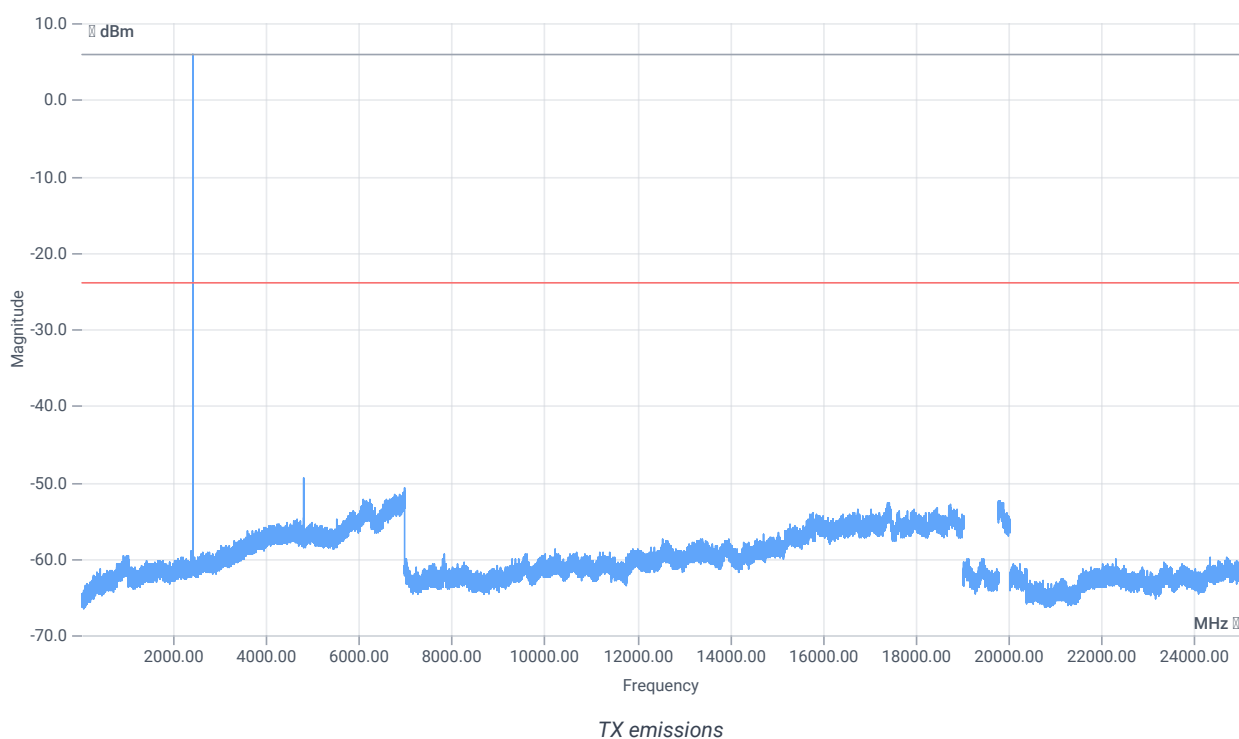
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

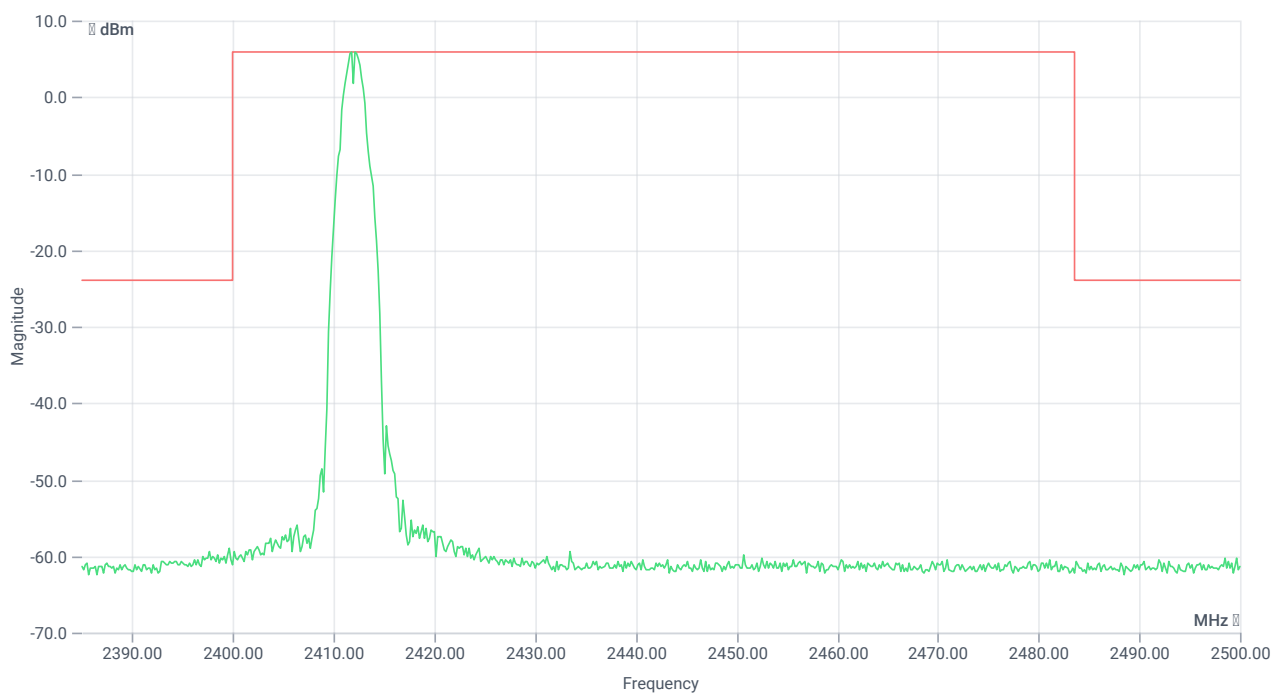
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.78	dBm	INFO
Ref. frequency	---	---	2412.000	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.78 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2412.17 MHz	---	---	5.95	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4824 MHz	0	---	25.47	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:20:52
Ambit temp (test rack) [°C] humidity [rel%]	22.7 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_5MHz(QR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

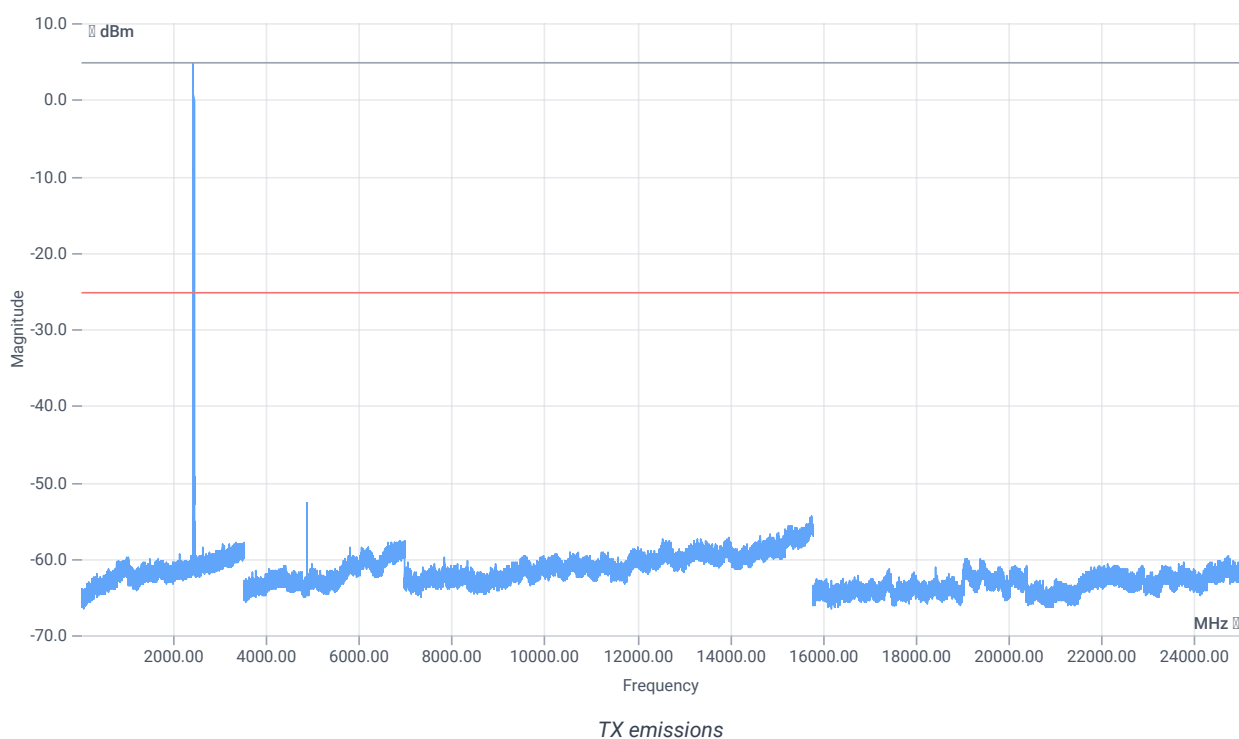
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

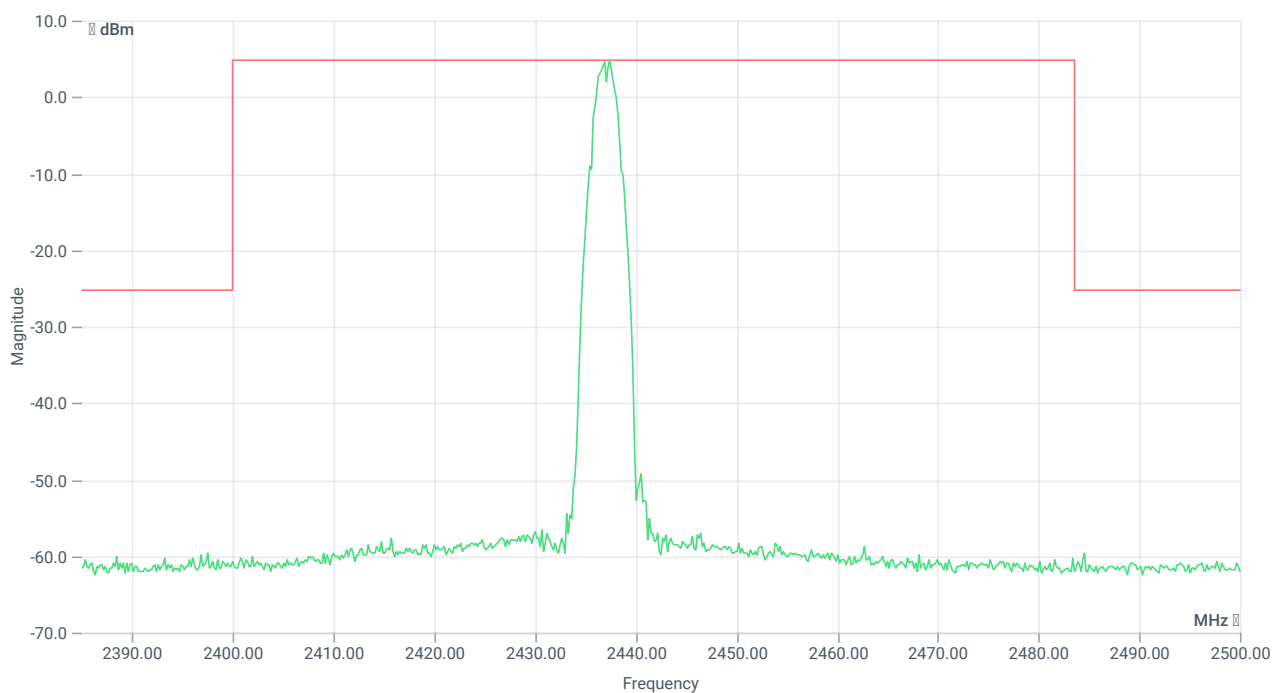
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.02	dBm	INFO
Ref. frequency	---	---	2437.000	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.02 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2437.33 MHz	---	---	4.72	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	27.44	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:38:58
Ambit temp (test rack) [°C] humidity [rel%]	22.8 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_5MHz(QR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

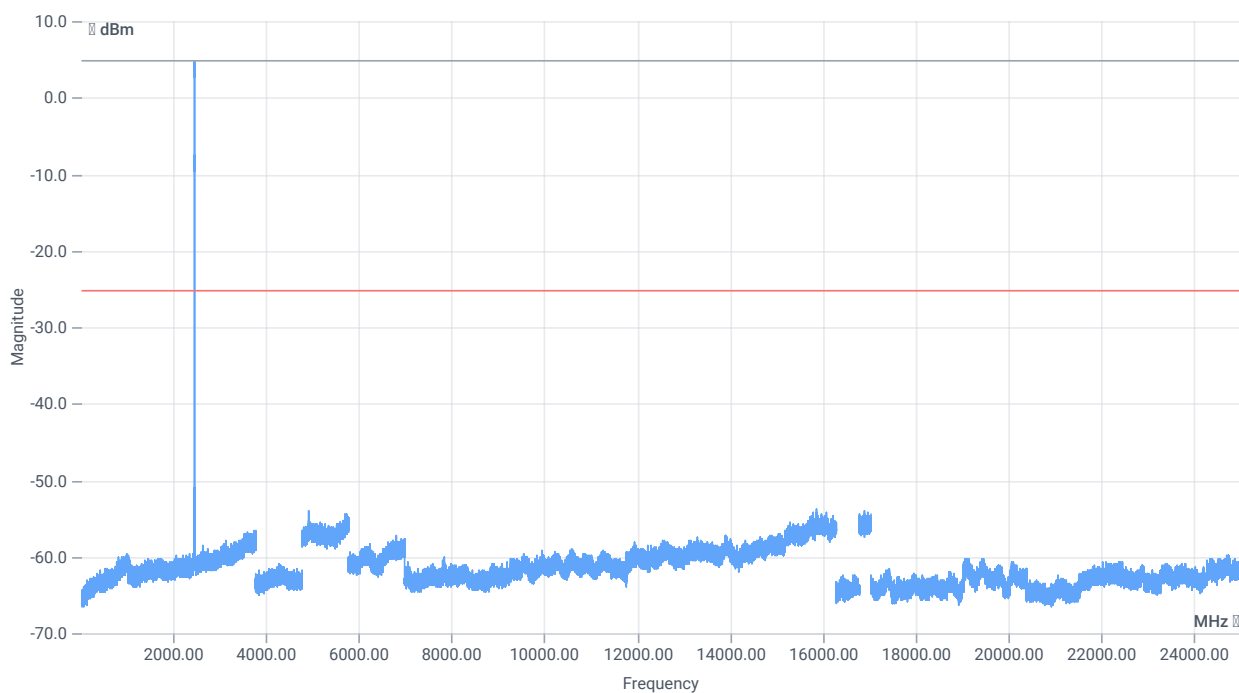
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

RESULT: Reference power cond.

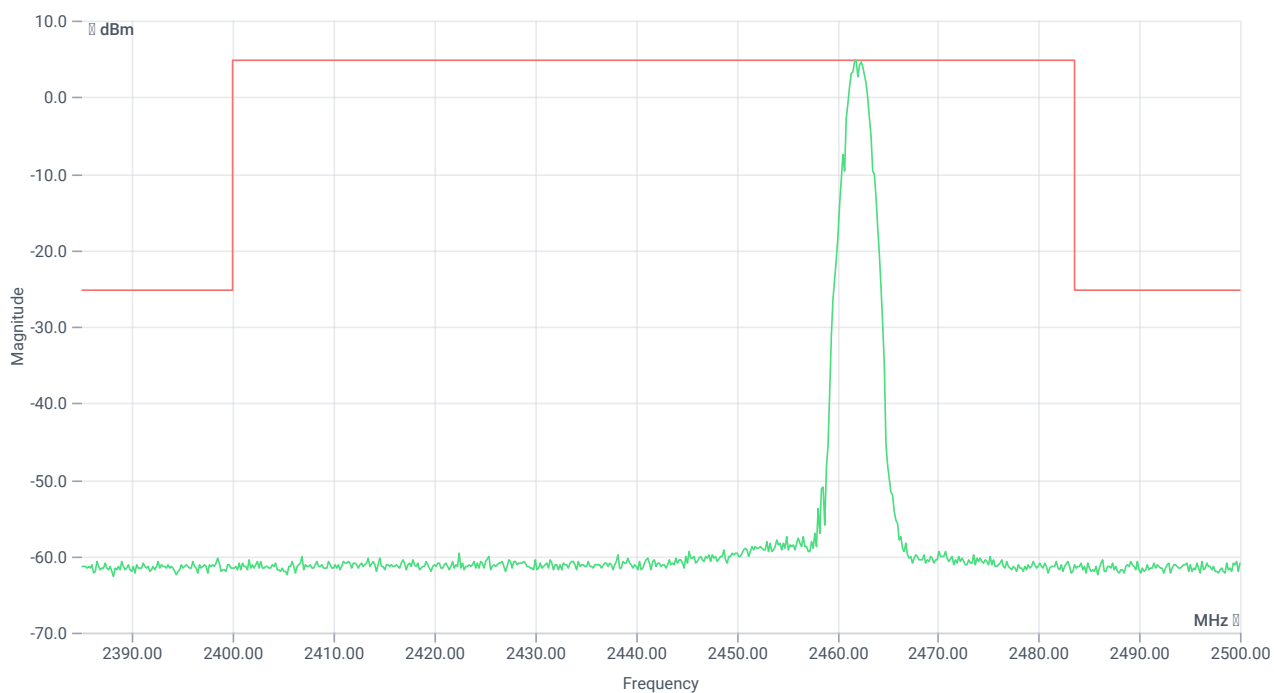
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.66	dBm	INFO
Ref. frequency	---	---	2462.000	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.66 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2461.83 MHz	---	---	4.76	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15872.667 MHz	0	---	28.46	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:58:35
Ambit temp (test rack) [°C] humidity [rel%]	23.0 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

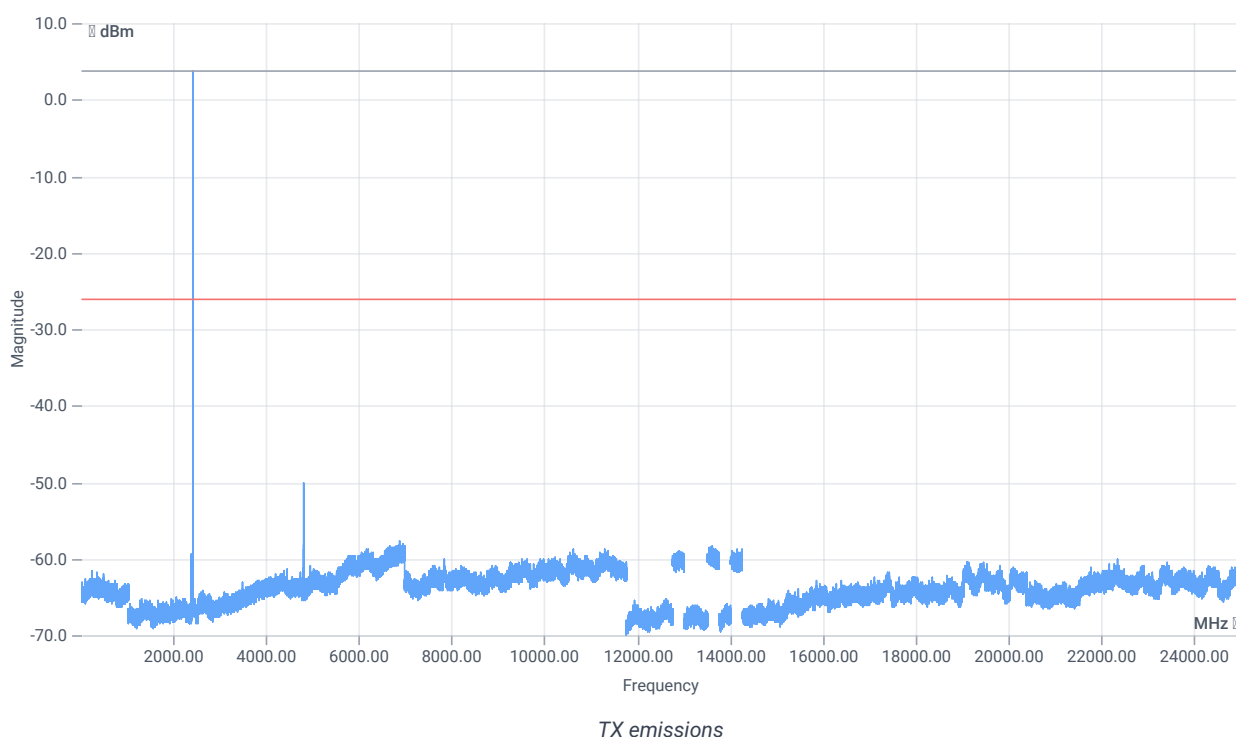
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

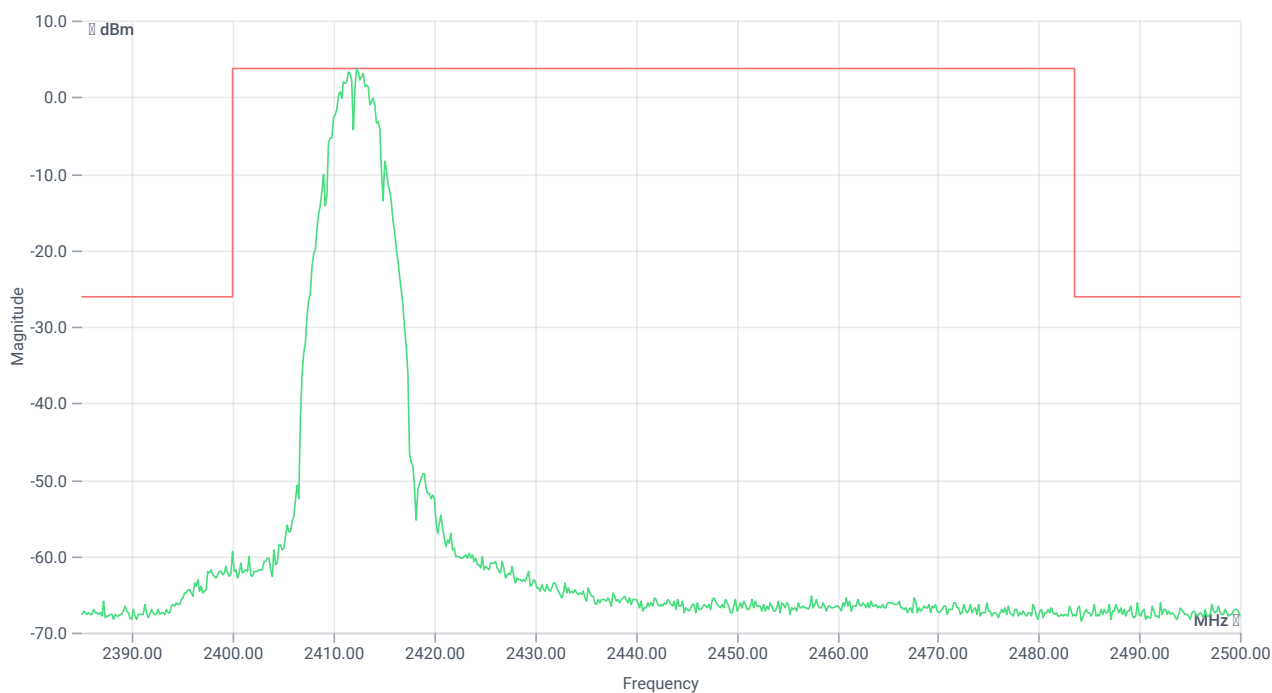
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.99	dBm	INFO
Ref. frequency	---	---	2412.200	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.99 20.57 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2412.33 MHz	---	---	3.81	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4824 MHz	0	---	23.98	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 15:25:20
Ambit temp (test rack) [°C] humidity [rel%]	22.1 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

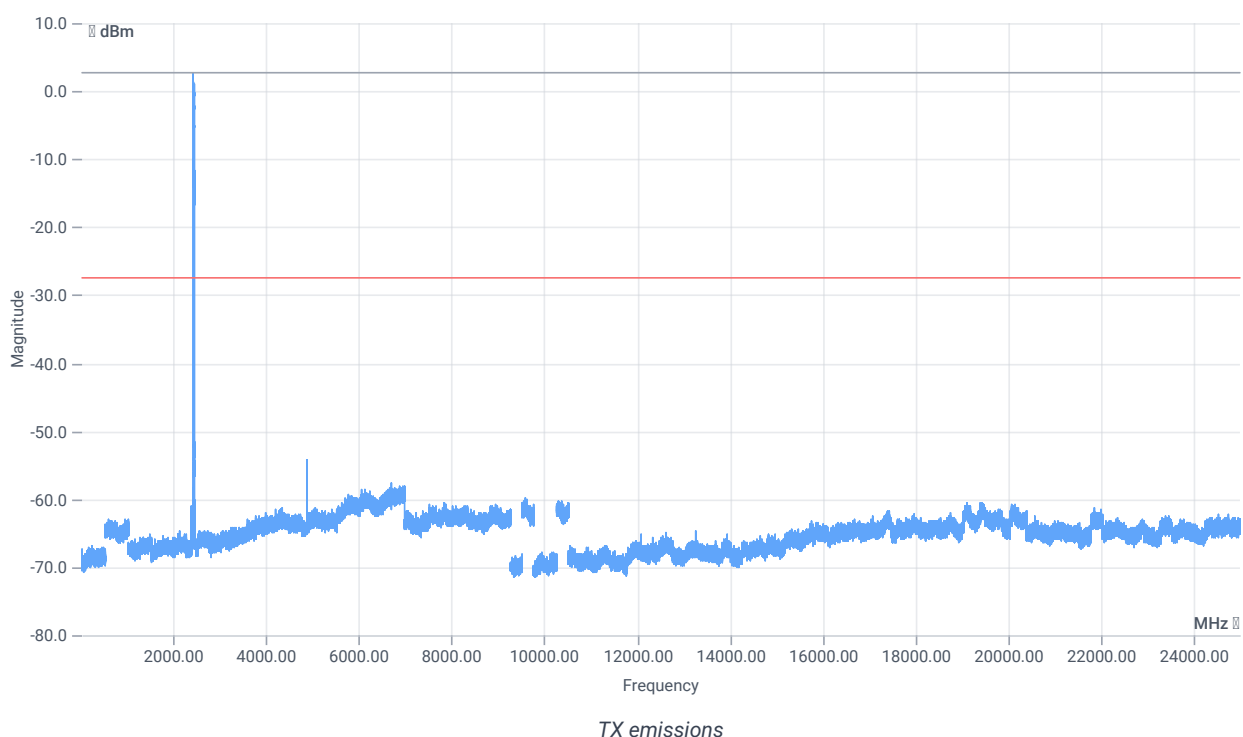
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

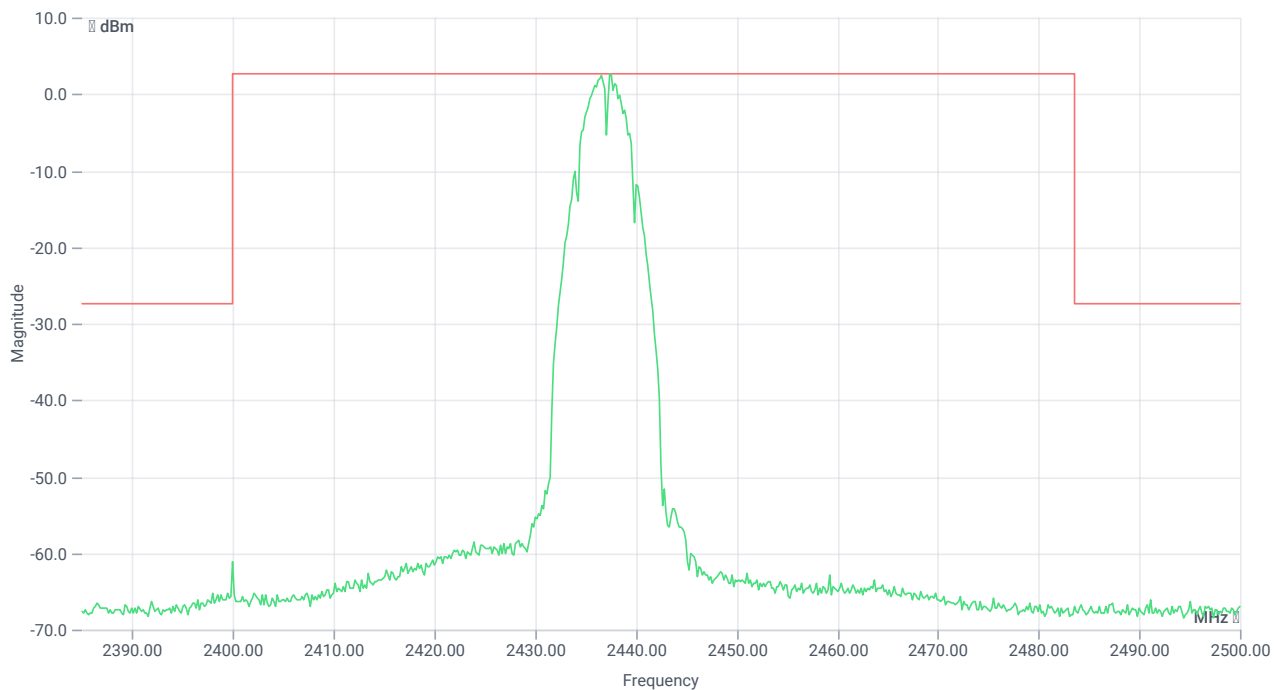
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.63	dBm	INFO
Ref. frequency	---	---	2437.000	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.63 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2437.33 MHz	---	---	2.59	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	26.79	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 15:43:23
Ambit temp (test rack) [°C] humidity [rel%]	22.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

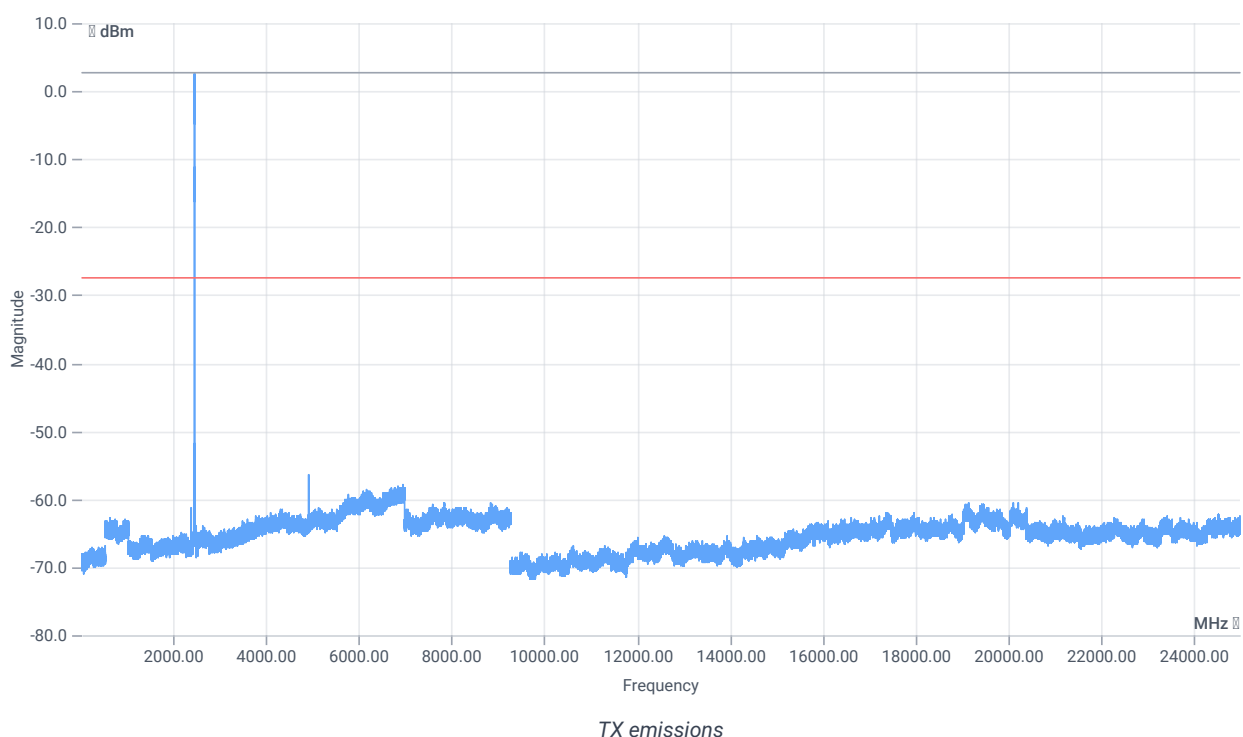
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

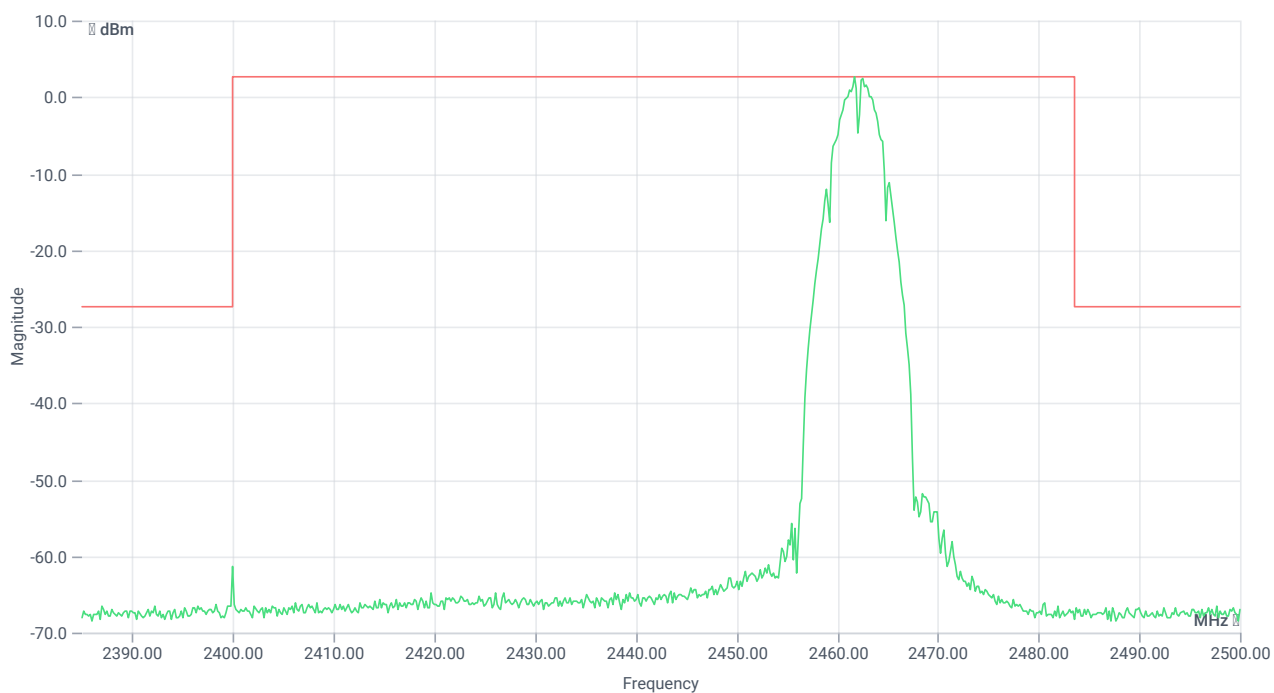
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.44	dBm	INFO
Ref. frequency	---	---	2462.300	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.44 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2461.67 MHz	---	---	2.61	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4924 MHz	0	---	29.09	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 07:21:34
Ambit temp (test rack) [°C] humidity [rel%]	20.3 44
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

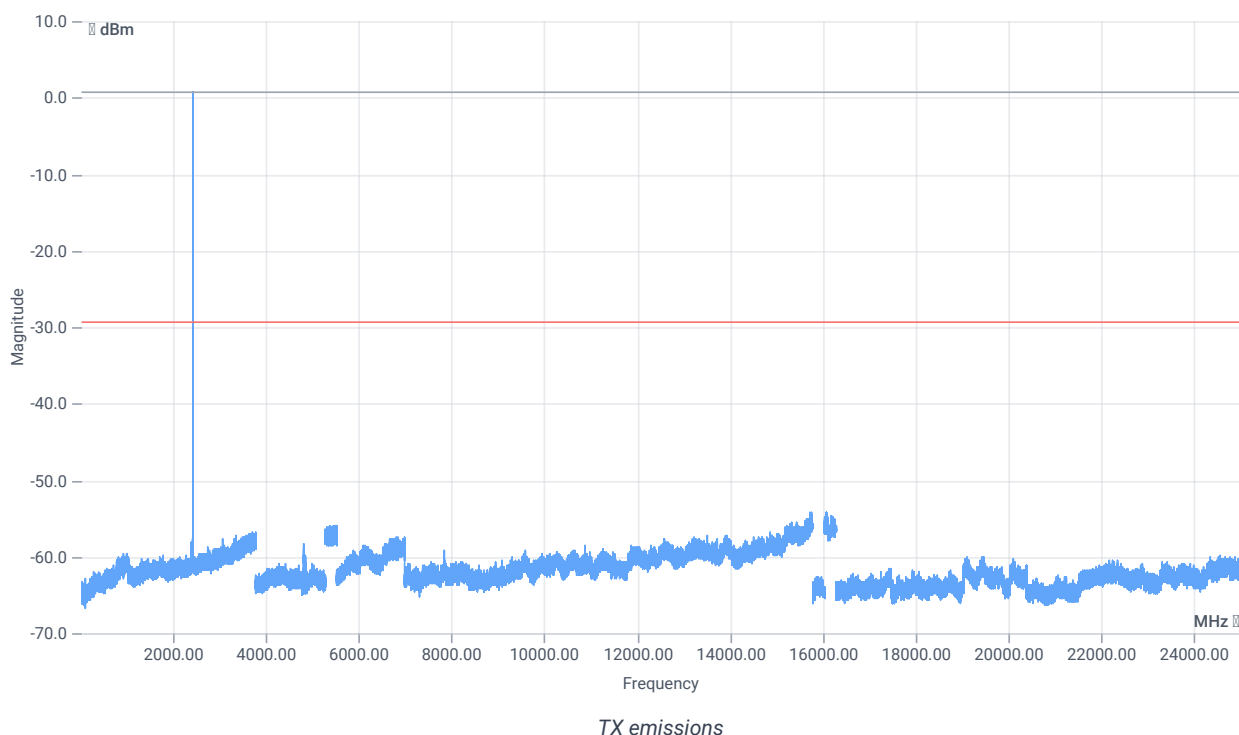
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

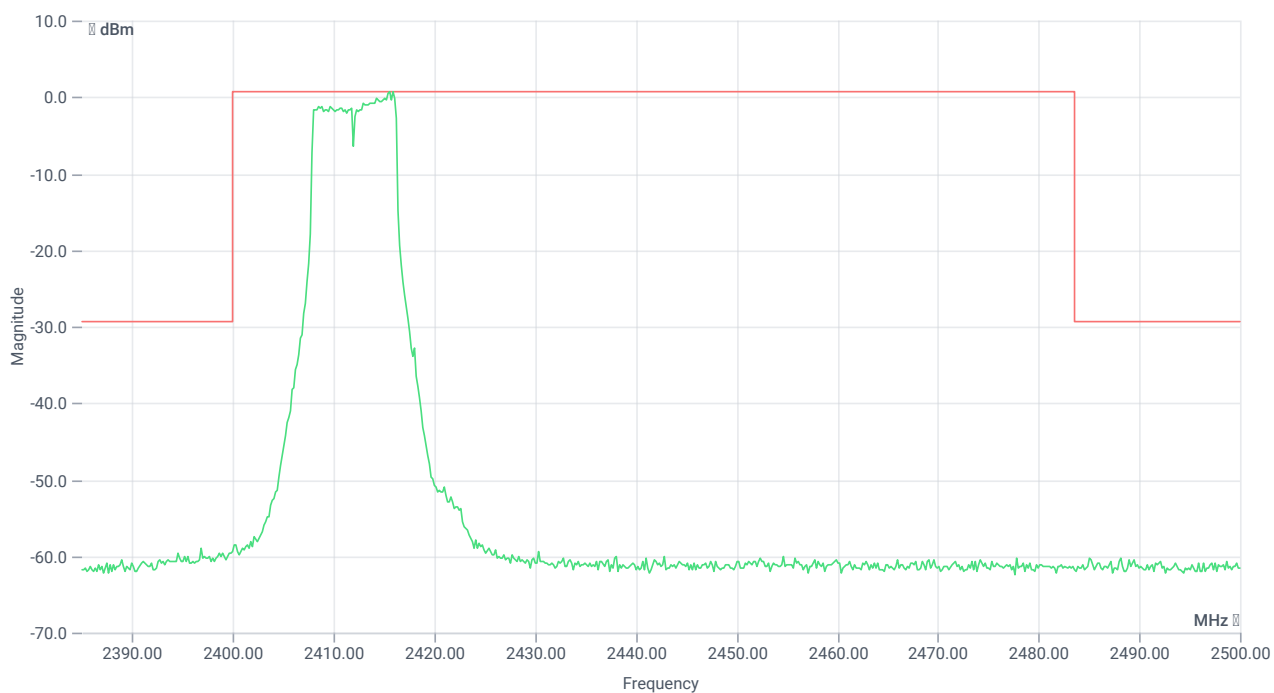
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.38	dBm	INFO
Ref. frequency	---	---	2415.400	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.38 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2415.50 MHz	---	---	0.67	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15736.333 MHz	0	---	24.83	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 08:25:31
Ambit temp (test rack) [°C] humidity [rel%]	20.9 42
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

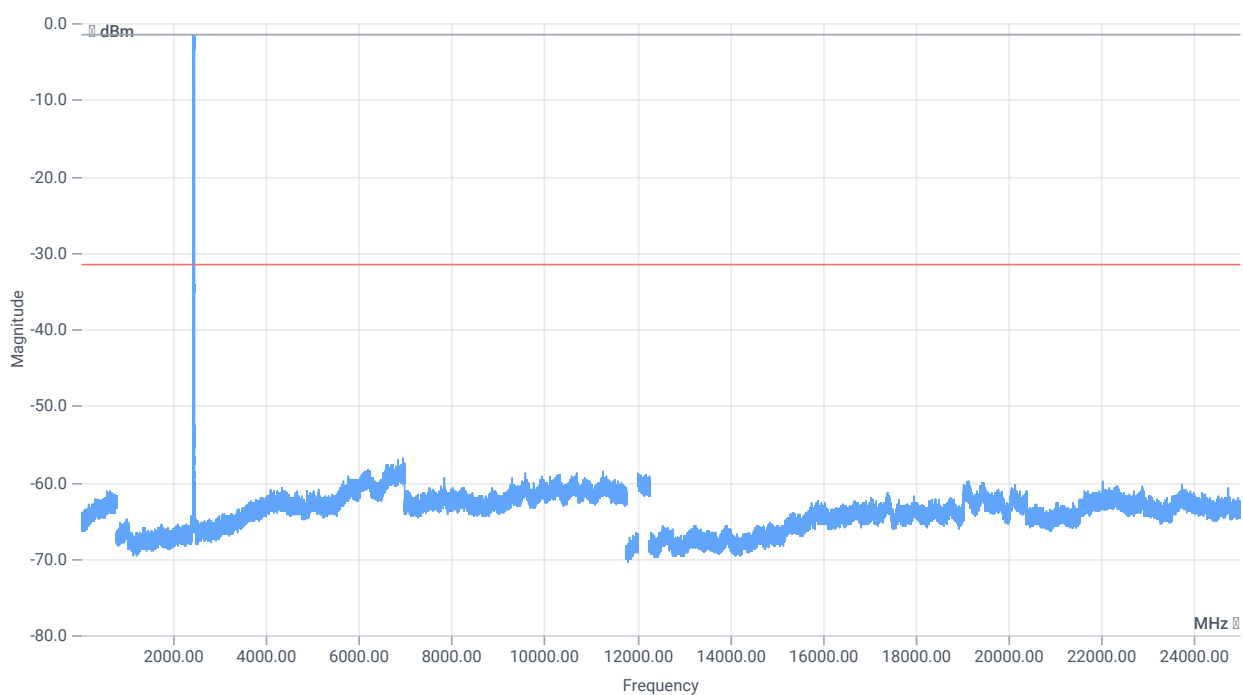
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

RESULT: Reference power cond.

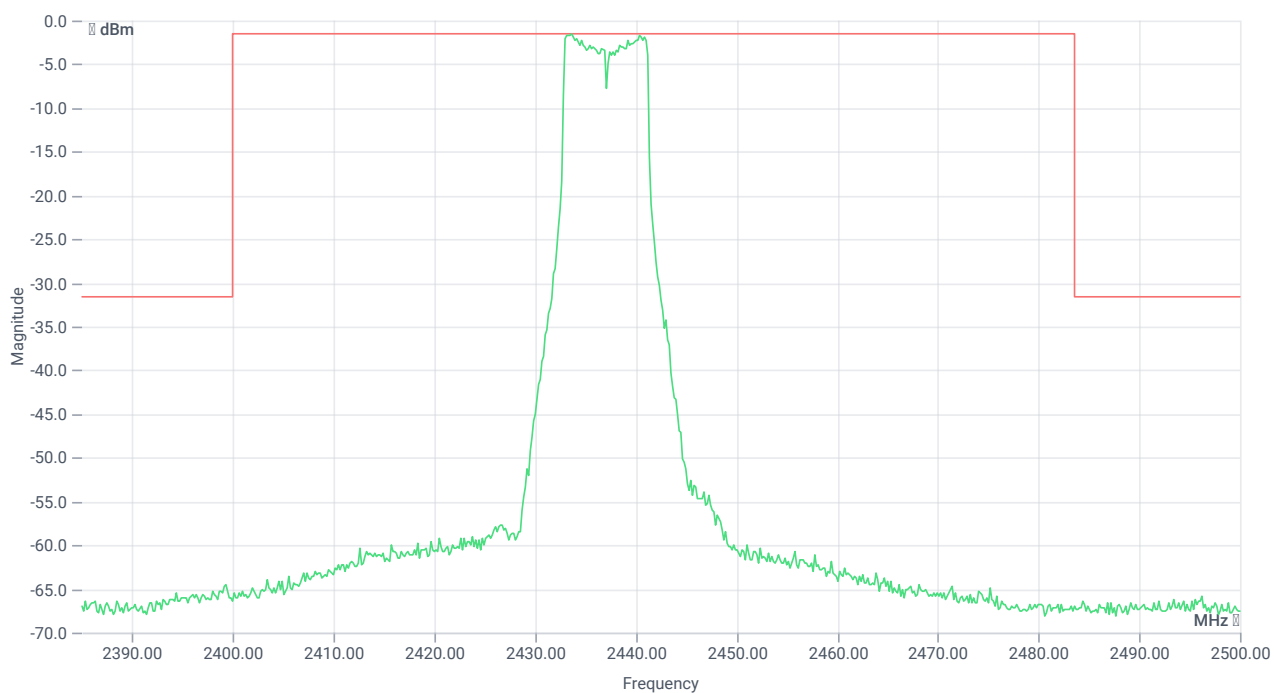
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.66	dBm	INFO
Ref. frequency	---	---	2440.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.66 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2433.67 MHz	---	---	-1.58	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6956.5 MHz	0	---	25.32	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 08:46:35
Ambit temp (test rack) [°C] humidity [rel%]	21.3 42
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

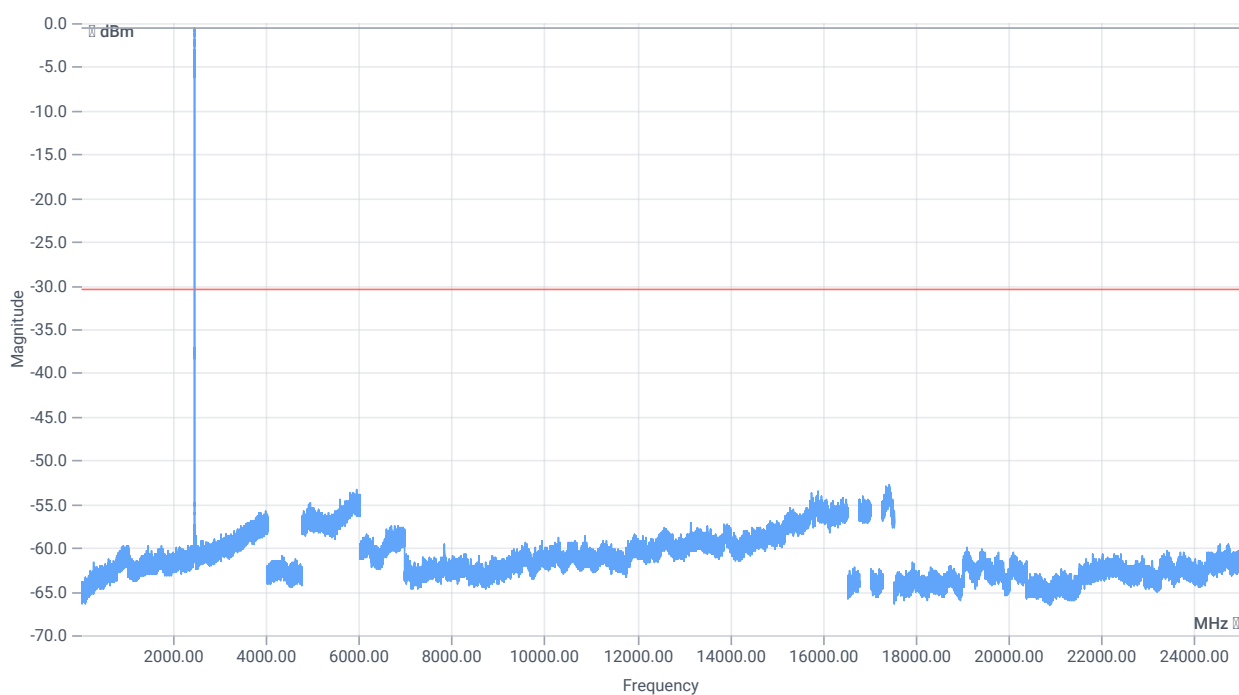
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

RESULT: Reference power cond.

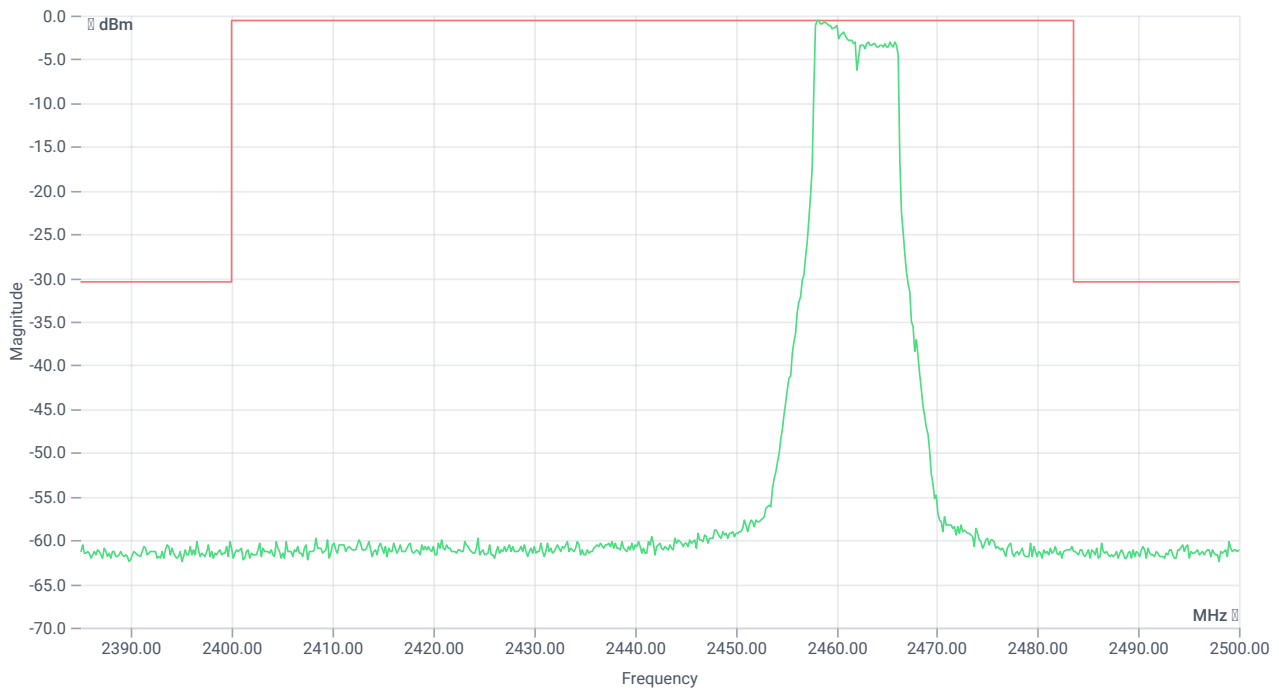
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.74	dBm	INFO
Ref. frequency	---	---	2458.900	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.74 21.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2458.17 MHz	---	---	-0.53	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17439.167 MHz	0	---	22.21	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:06:10
Ambit temp (test rack) [°C] humidity [rel%]	21.5 42
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

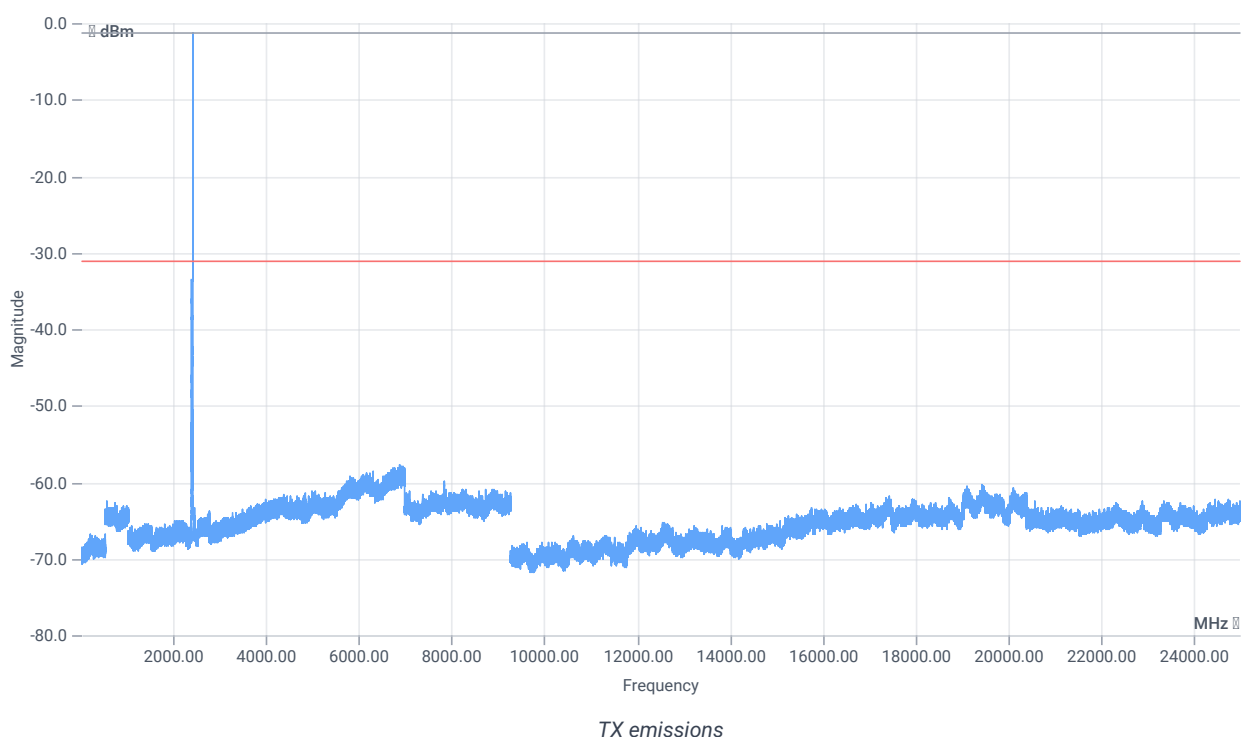
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

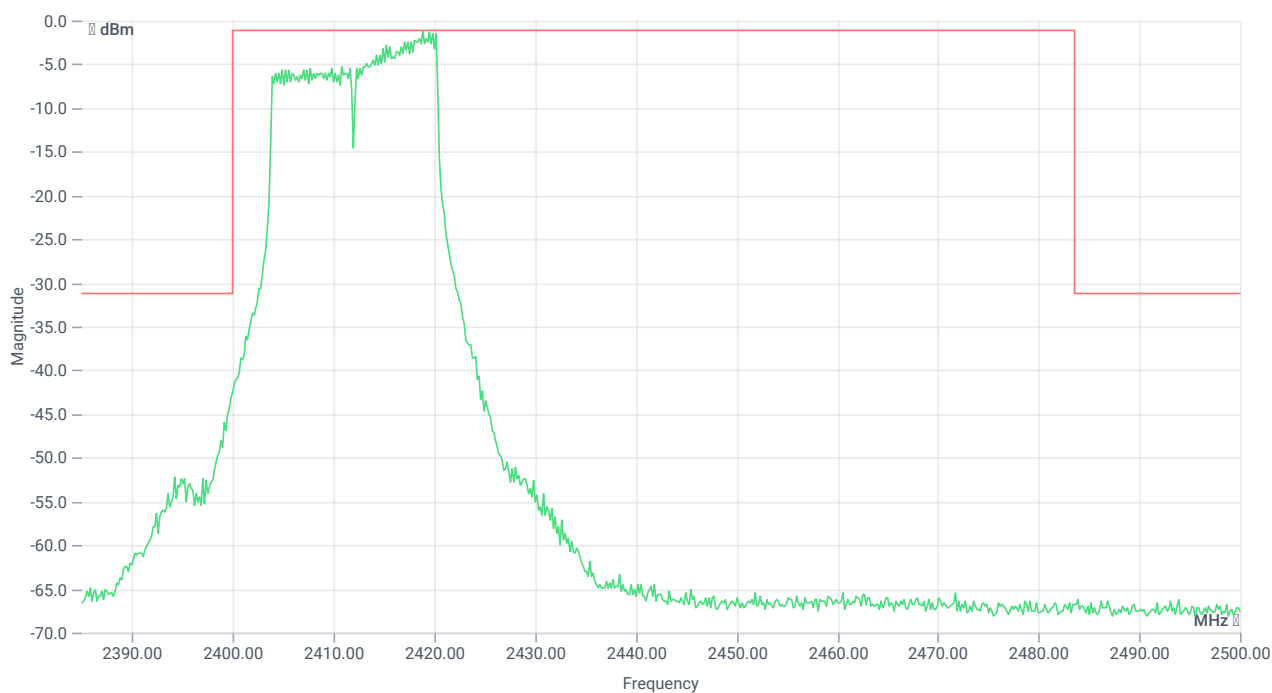
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.47	dBm	INFO
Ref. frequency	---	---	2417.790	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.47 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2418.83 MHz	---	---	-1.21	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	11.93	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:24:29
Ambit temp (test rack) [°C] humidity [rel%]	21.7 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

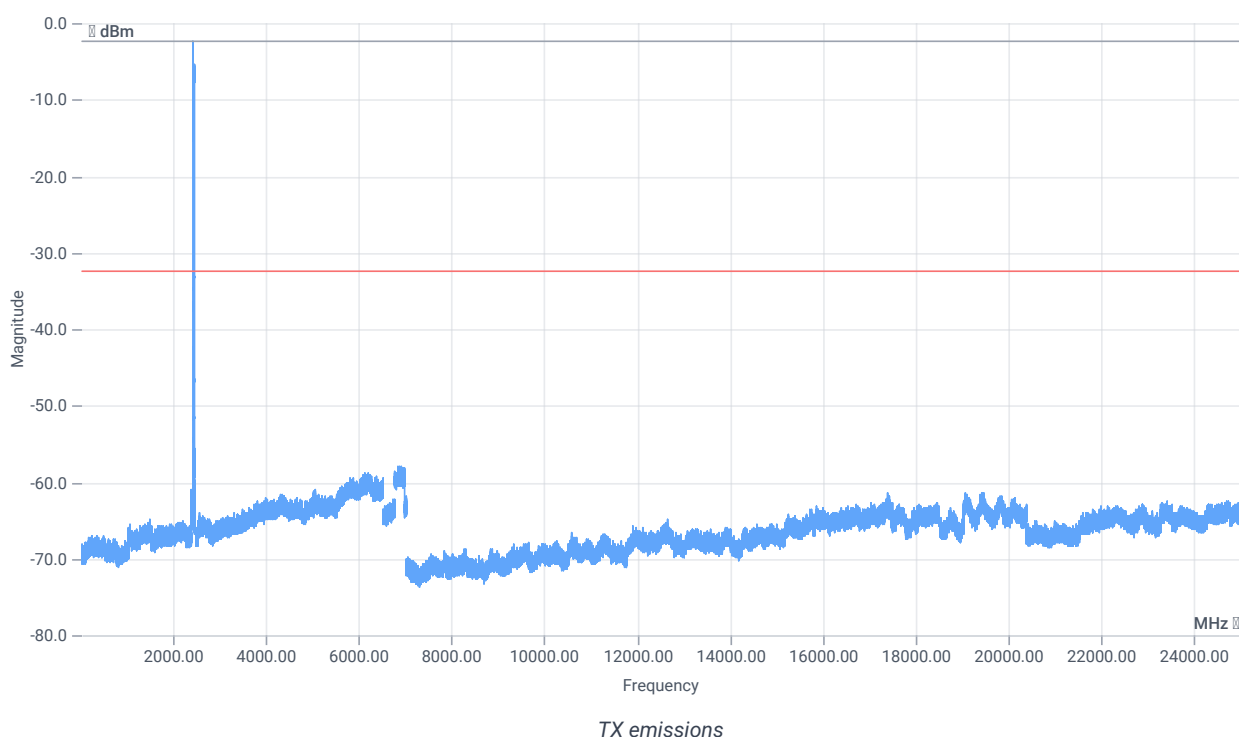
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

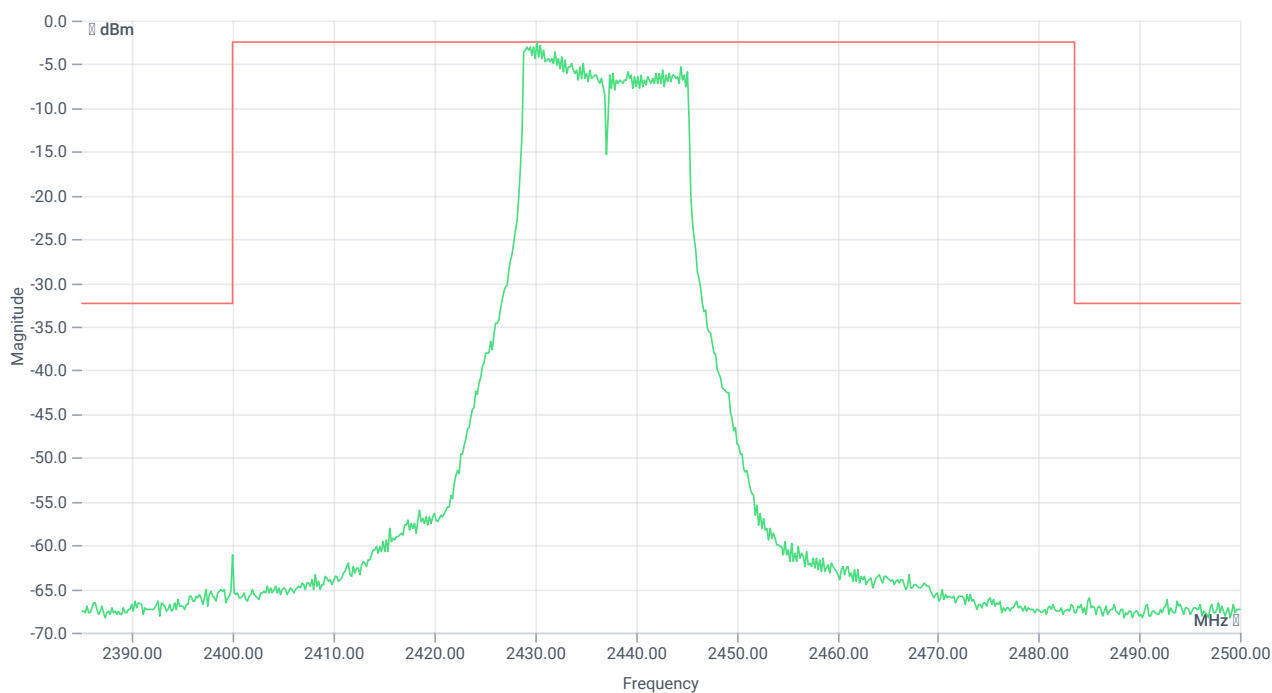
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.10	dBm	INFO
Ref. frequency	---	---	2429.510	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.10 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2430.17 MHz	---	---	-2.43	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6859.833 MHz	0	---	25.5	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:43:09
Ambit temp (test rack) [°C] humidity [rel%]	21.8 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

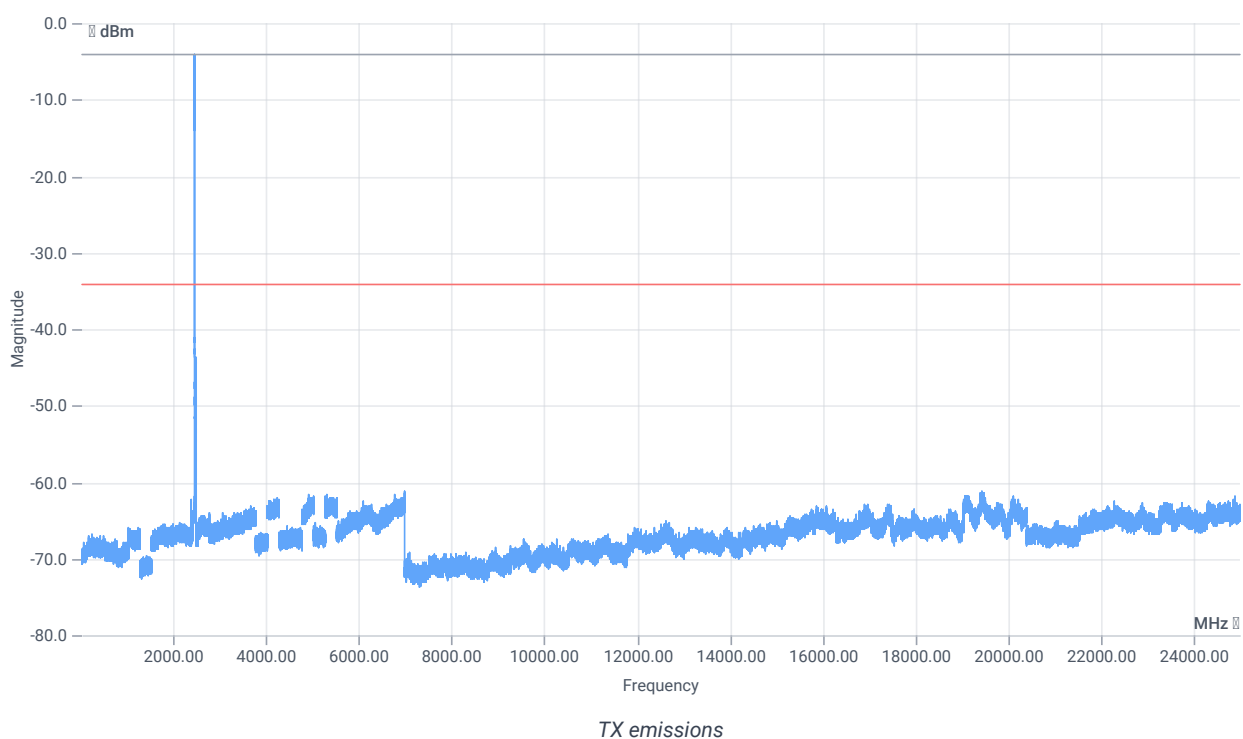
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

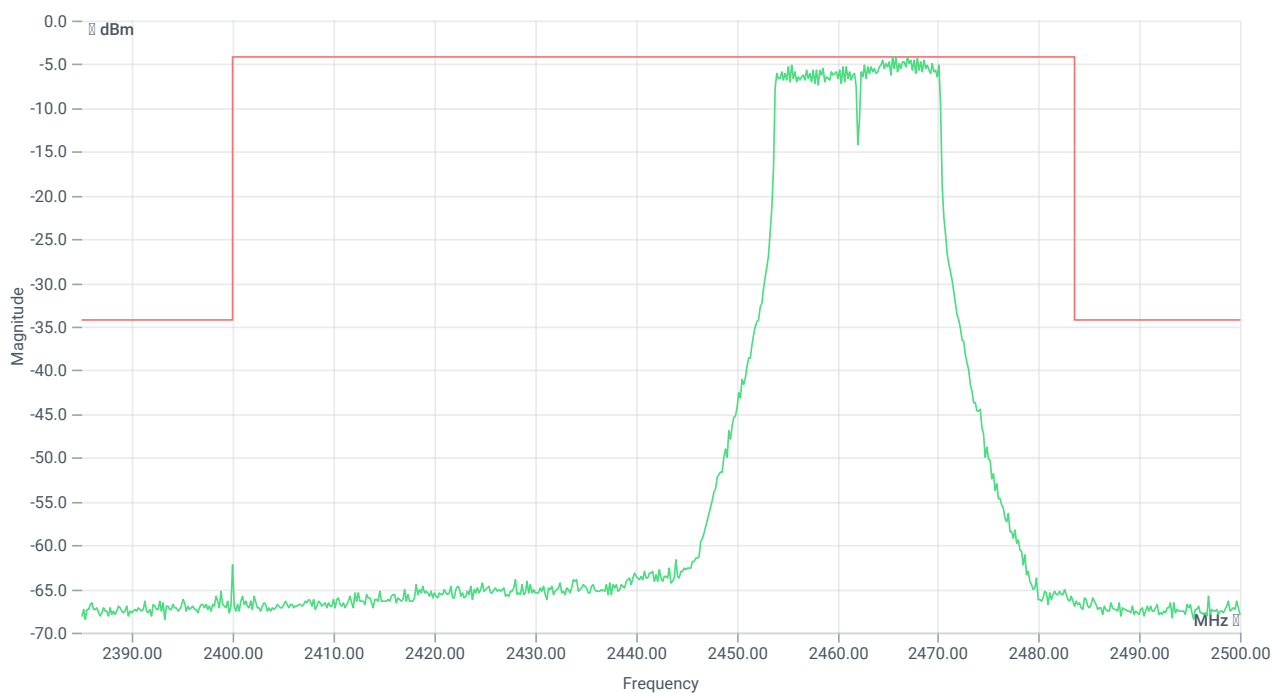
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.18	dBm	INFO
Ref. frequency	---	---	2465.300	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.18 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2467.00 MHz	---	---	-4.19	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19451.5 MHz	0	---	27	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:38:29
Ambit temp (test rack) [°C] humidity [rel%]	22.6 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_5MHz(QR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

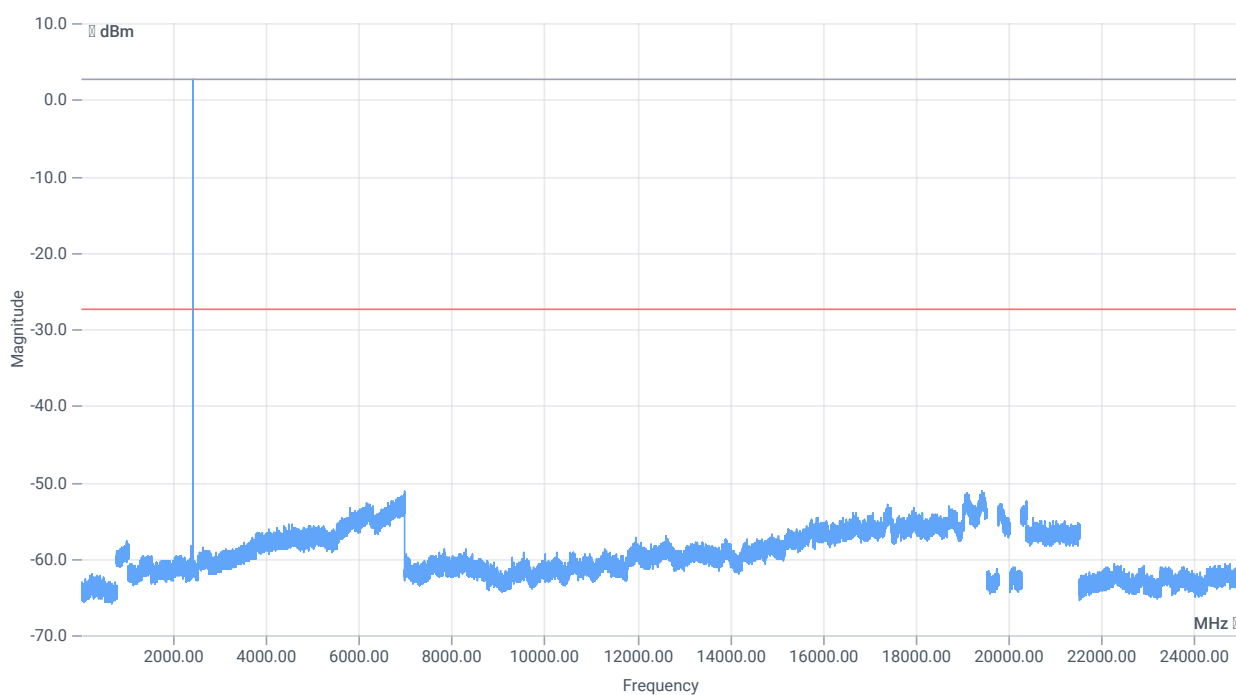
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

RESULT: Reference power cond.

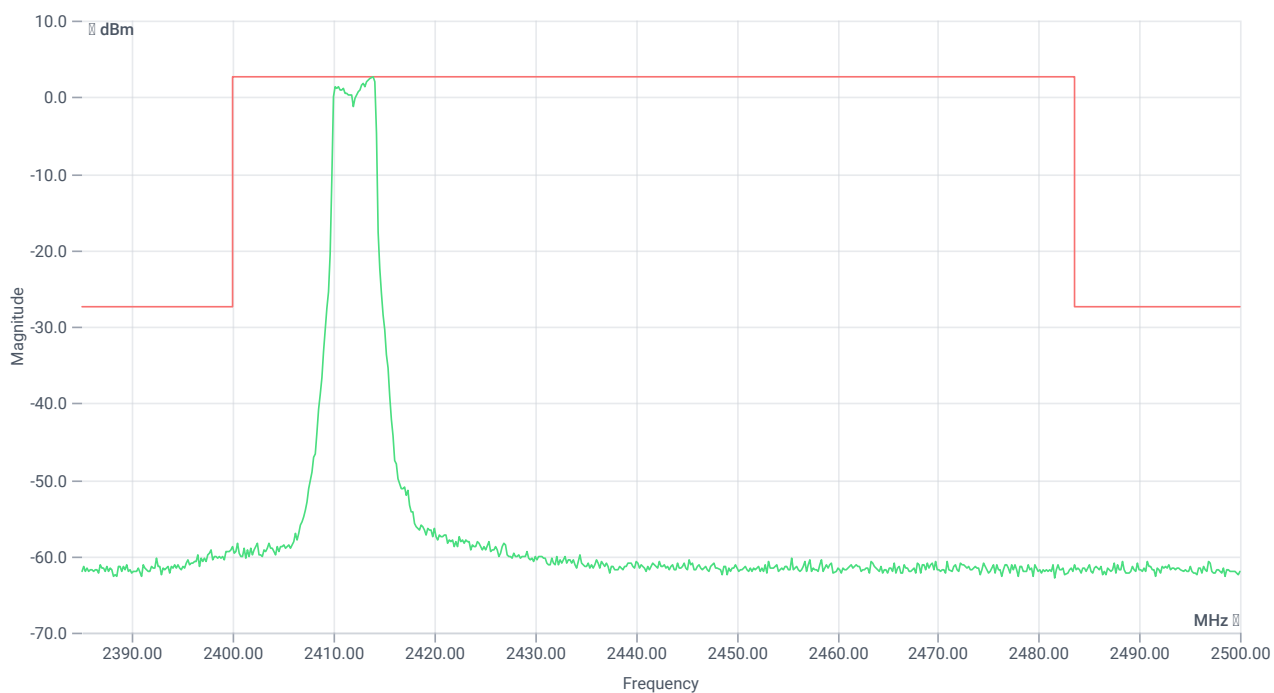
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	19.02	dBm	INFO
Ref. frequency	---	---	2413.500	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.02 20.57 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2413.83 MHz	---	---	2.58	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19446.833 MHz	0	---	23.77	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:56:46
Ambit temp (test rack) [°C] humidity [rel%]	22.7 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_5MHz(QR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

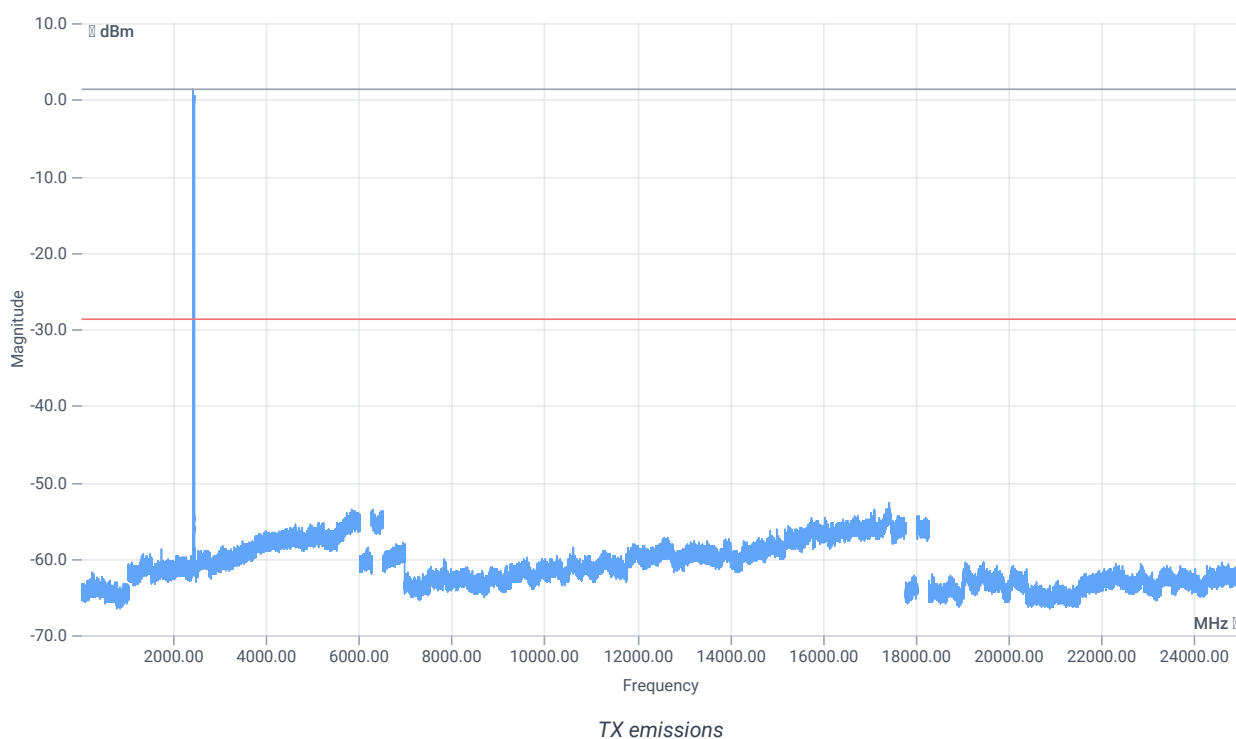
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

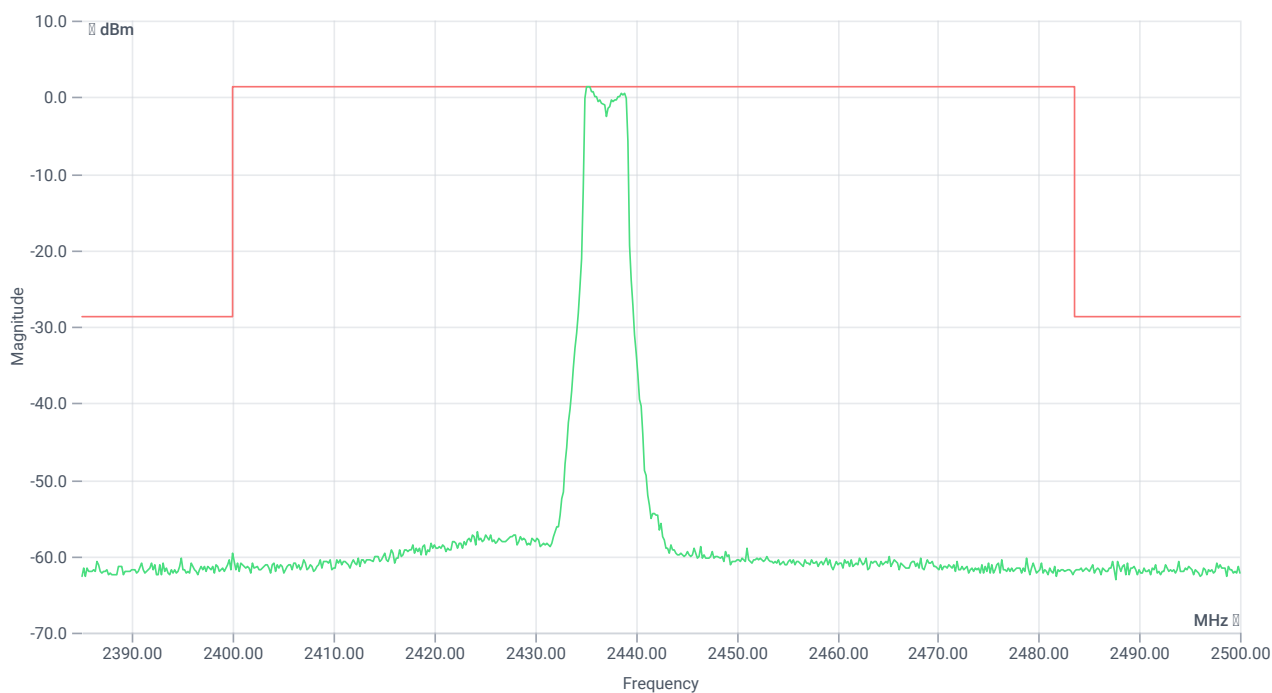
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.00	dBm	INFO
Ref. frequency	---	---	2435.700	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.00 20.57 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2435.17 MHz	---	---	1.38	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17426.333 MHz	0	---	24.19	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 13:14:54
Ambit temp (test rack) [°C] humidity [rel%]	22.9 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_5MHz(QR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

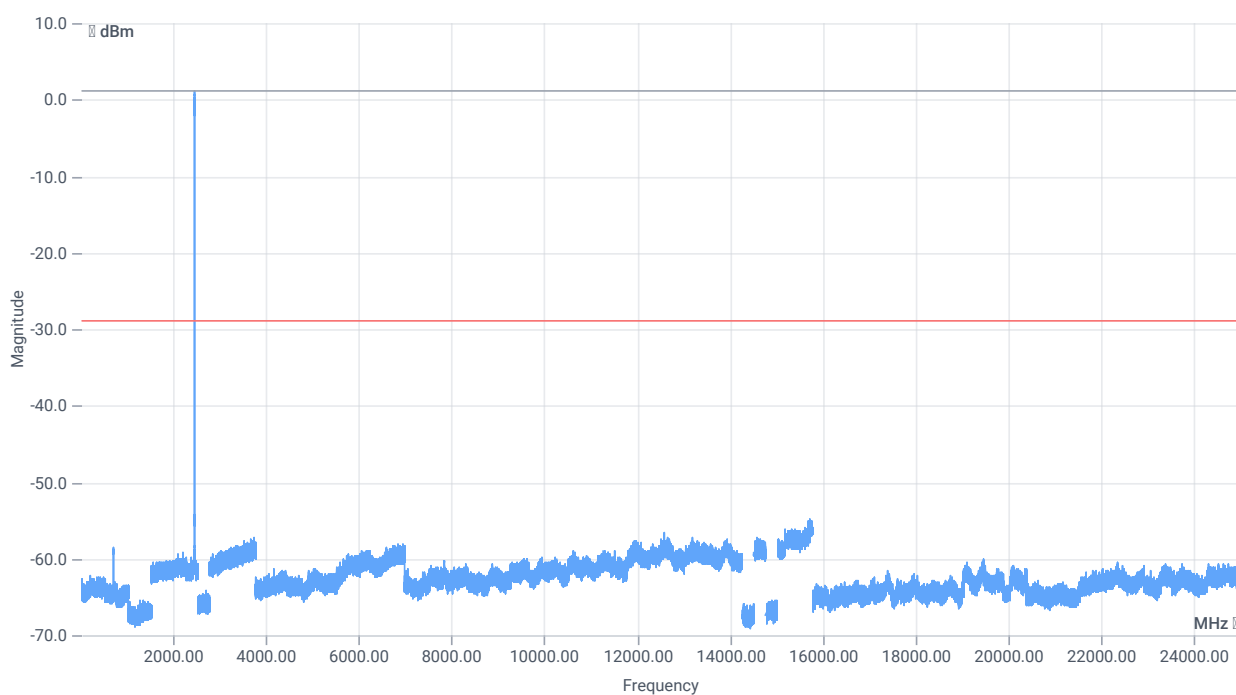
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

RESULT: Reference power cond.

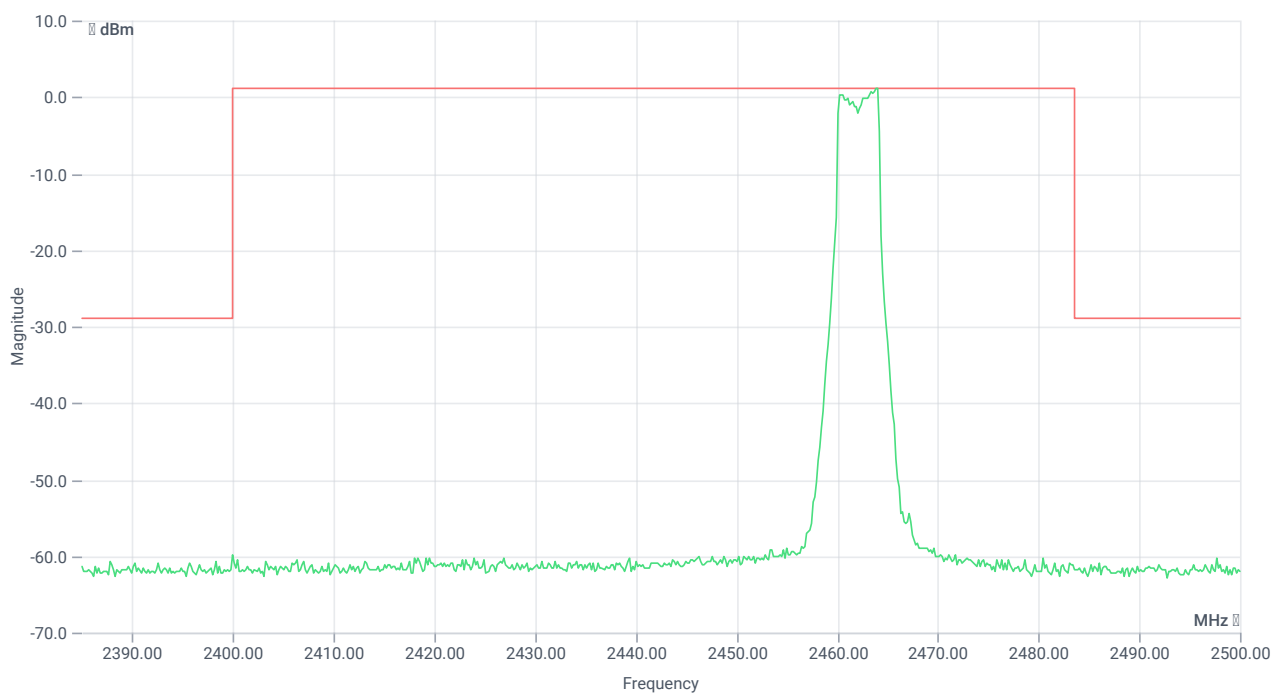
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.66	dBm	INFO
Ref. frequency	---	---	2463.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.66 20.57 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2463.83 MHz	---	---	1.14	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 15713.833 MHz	0	---	25.93	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 14:29:46
Ambit temp (test rack) [°C] humidity [rel%]	23.2 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-mode_20MHz_ANT2_PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

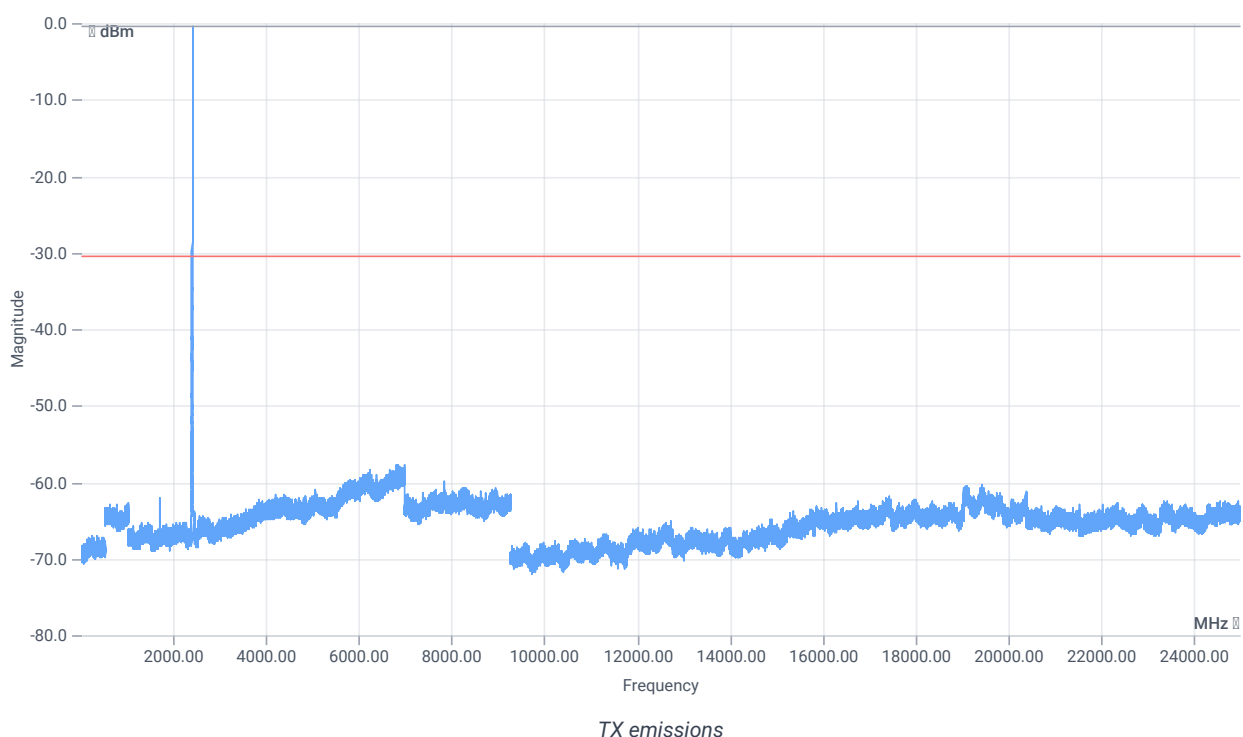
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

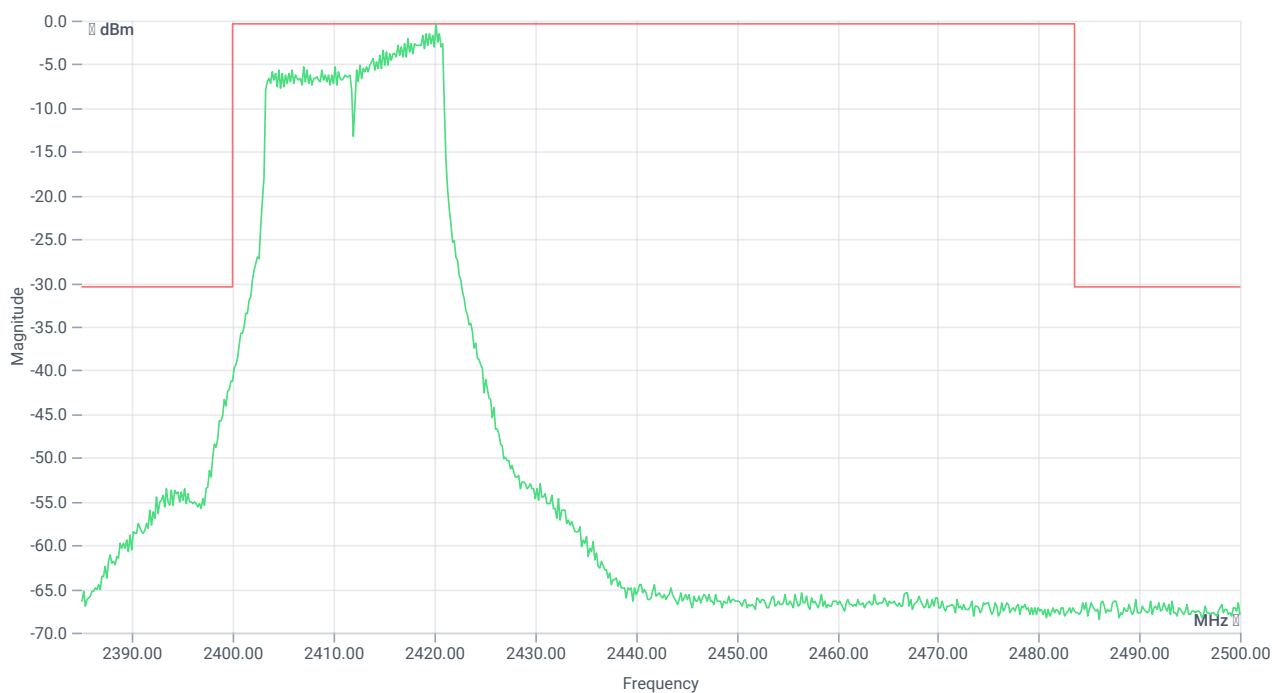
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.25	dBm	INFO
Ref. frequency	---	---	2418.890	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.25 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2420.17 MHz	---	---	-0.40	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	10.77	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 14:47:50
Ambit temp (test rack) [°C] humidity [rel%]	23.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-mode_20MHz_ANT2_PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

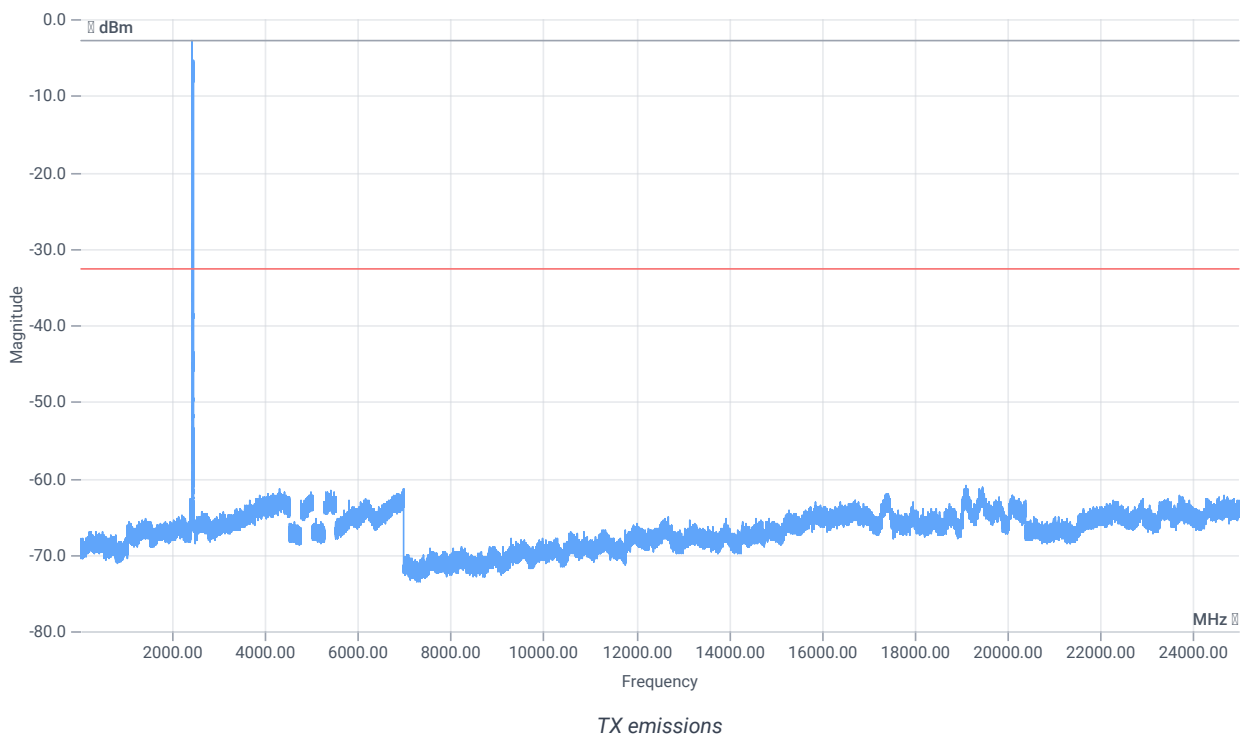
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

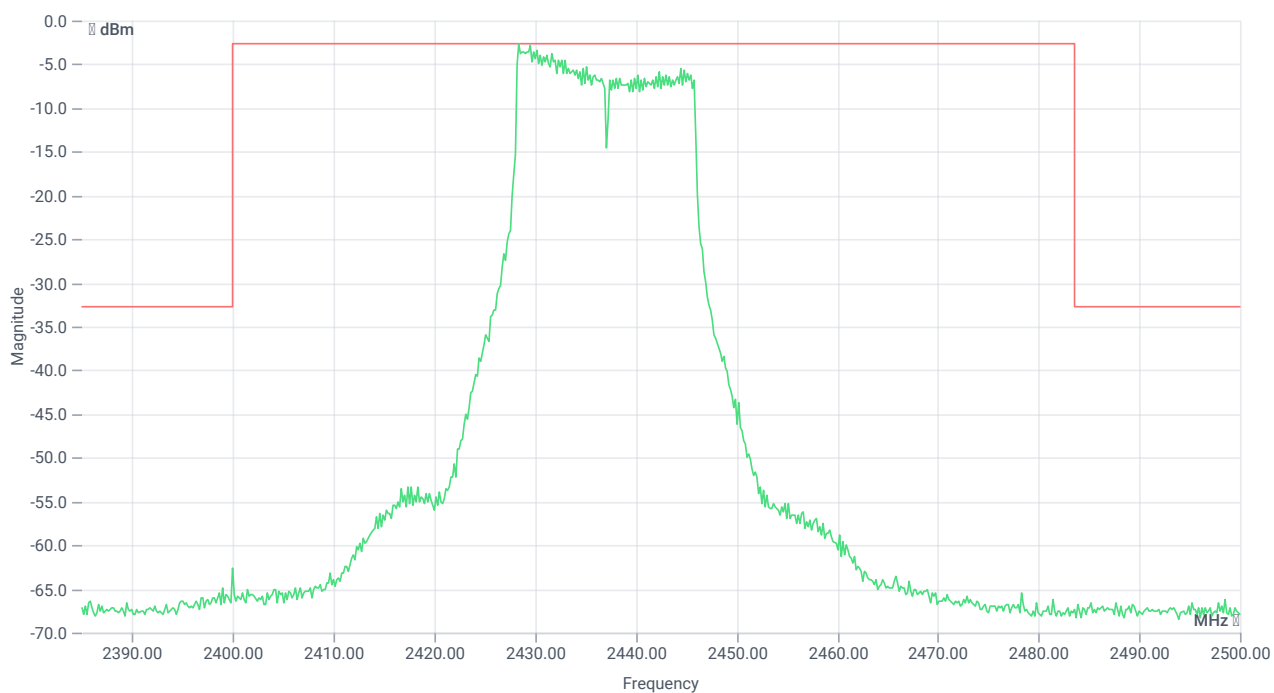
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.50	dBm	INFO
Ref. frequency	---	---	2428.910	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.50 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2428.33 MHz	---	---	-2.72	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19130.667 MHz	0	---	28.3	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 15:12:15
Ambit temp (test rack) [°C] humidity [rel%]	23.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-mode_20MHz_ANT2_PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

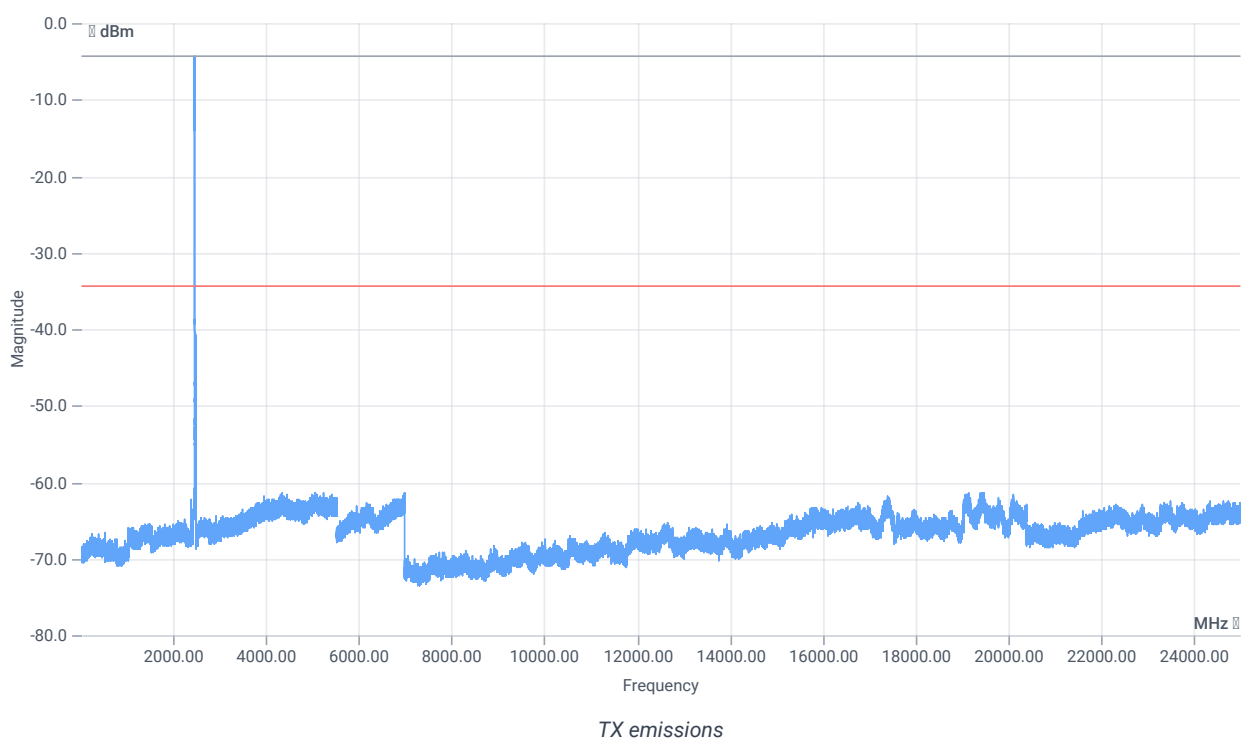
Test Parameter

Technology to test	WLAN2G4 n-HT20 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

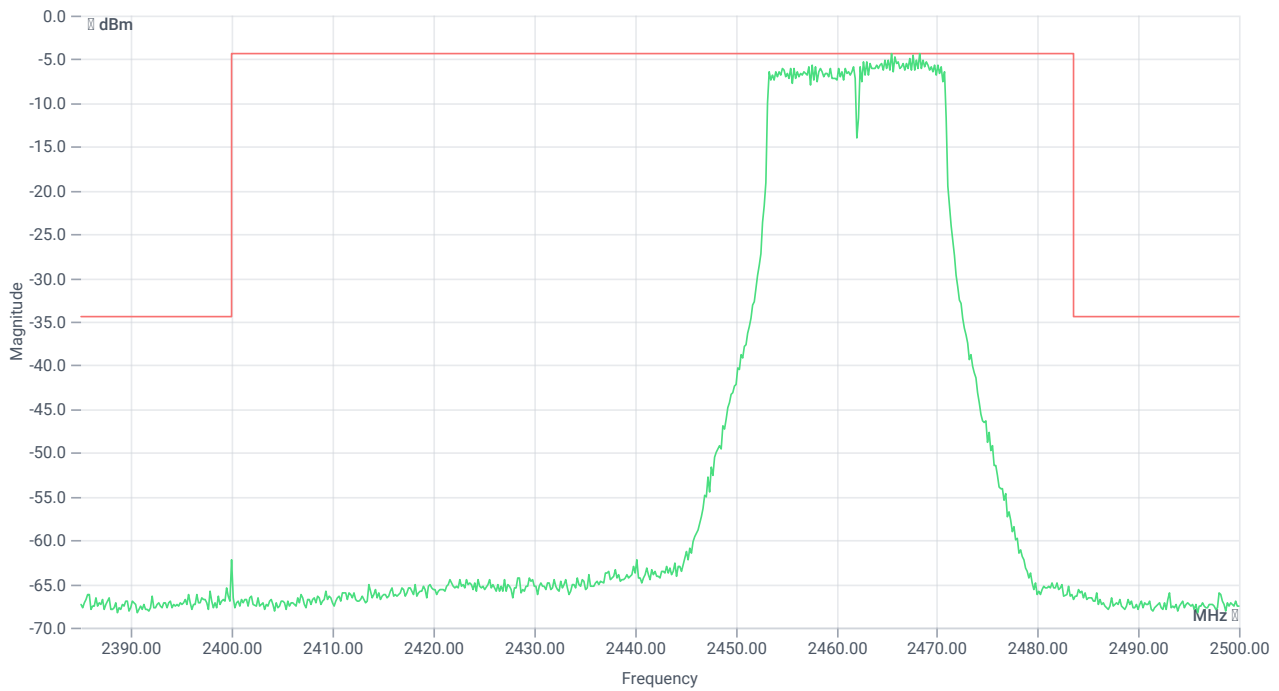
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.56	dBm	INFO
Ref. frequency	---	---	2466.900	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.56 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2468.33 MHz	---	---	-4.41	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 5068 MHz	0	---	26.91	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 15:35:22
Ambit temp (test rack) [°C] humidity [rel%]	23.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT1_ PS16_avg

Equipment

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

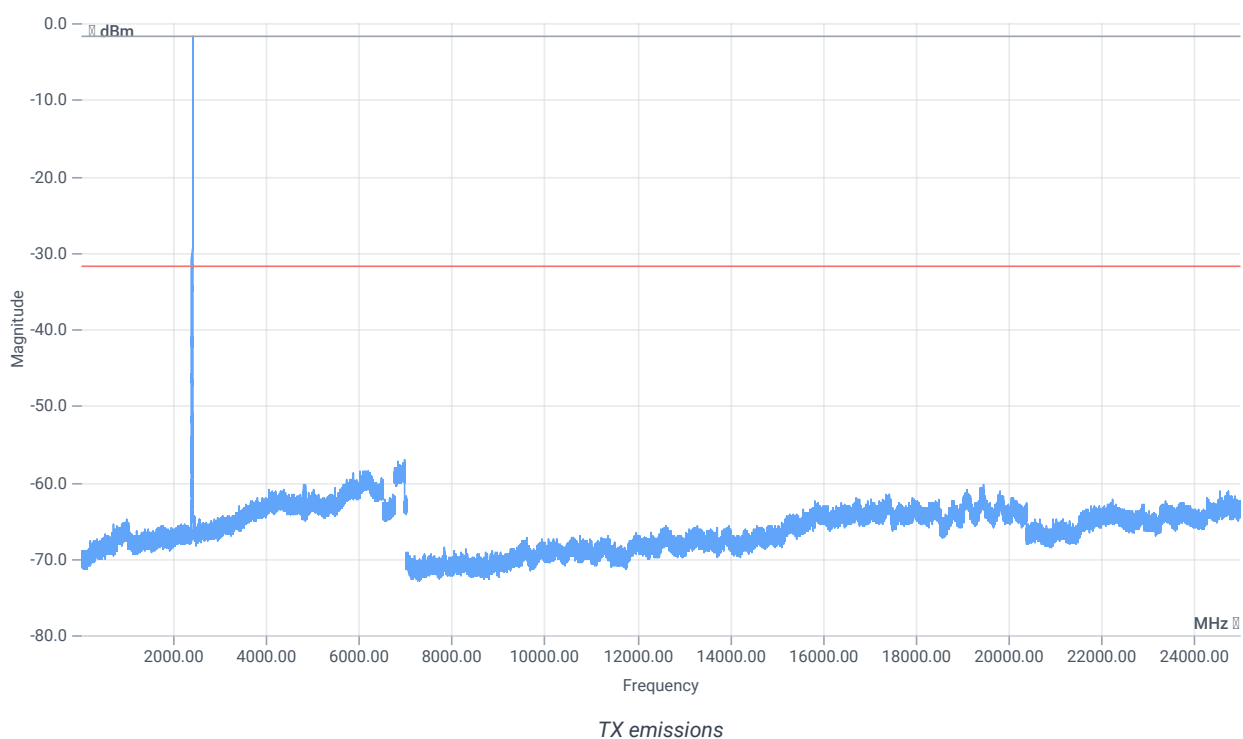
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

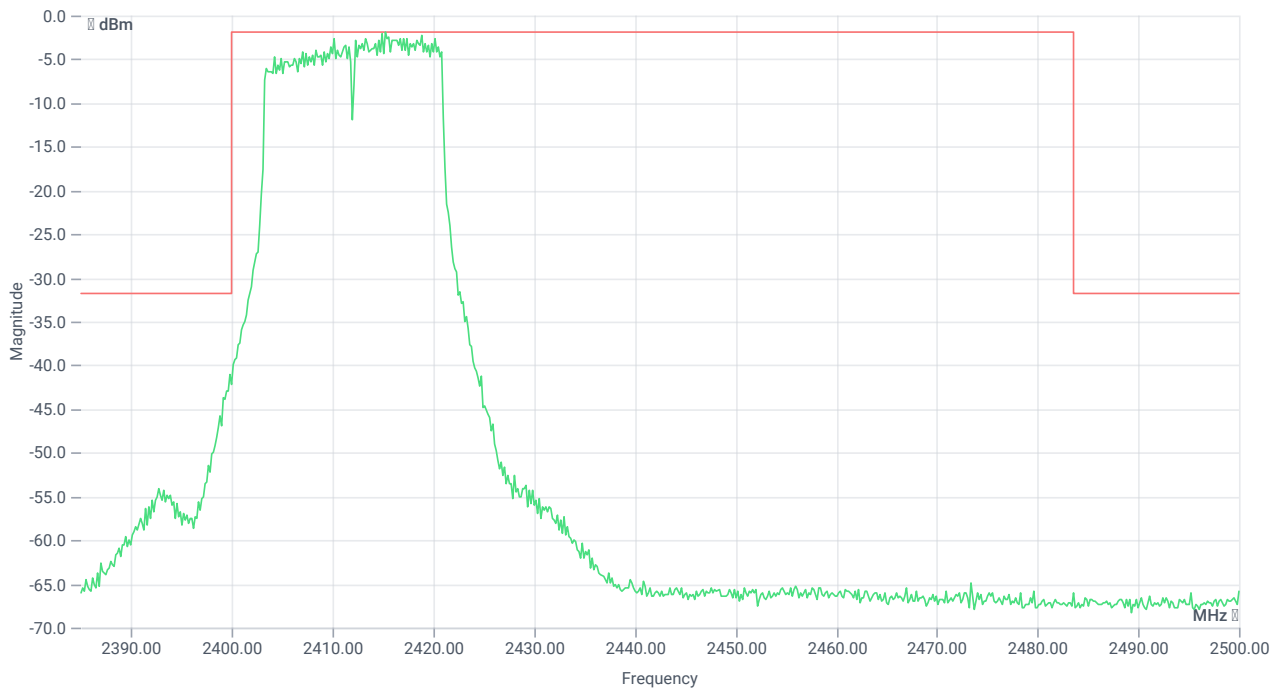
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.63	dBm	INFO
Ref. frequency	---	---	2418.090	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.63 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2415.17 MHz	---	---	-1.83	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	9.23	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 15:53:24
Ambit temp (test rack) [°C] humidity [rel%]	23.4 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT1_ PS16_avg

Equipment

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

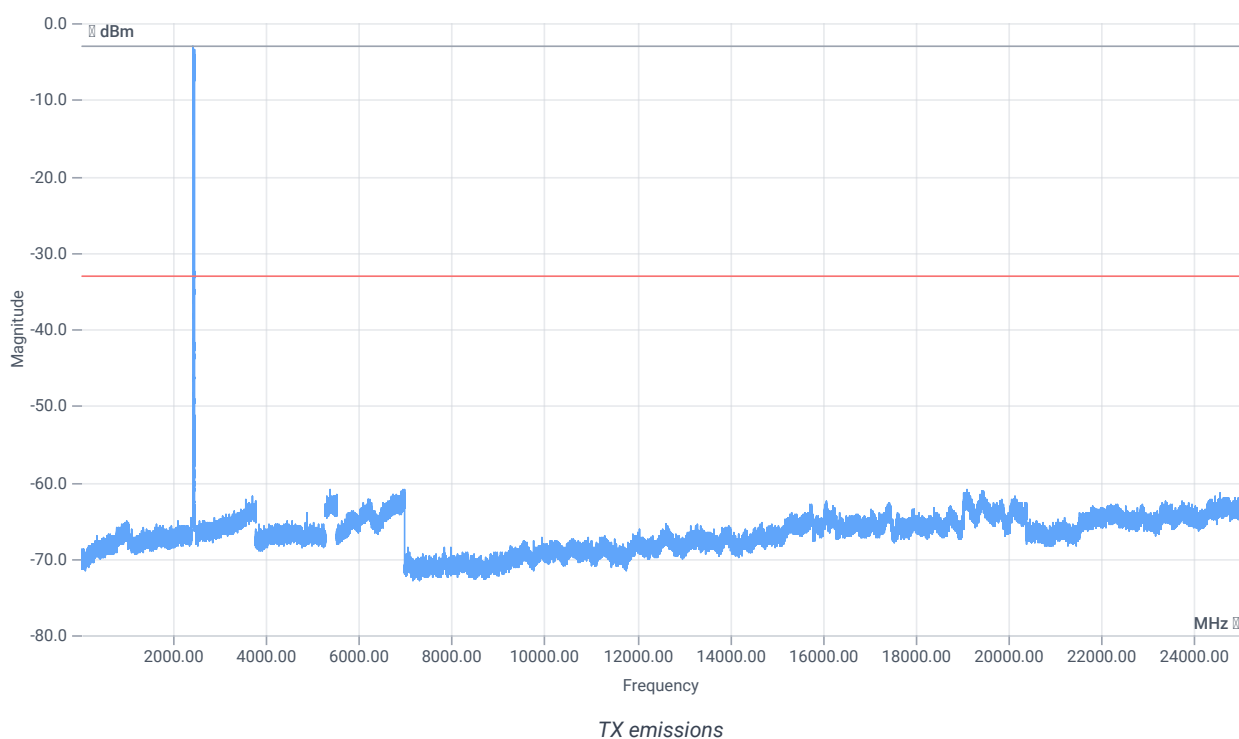
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

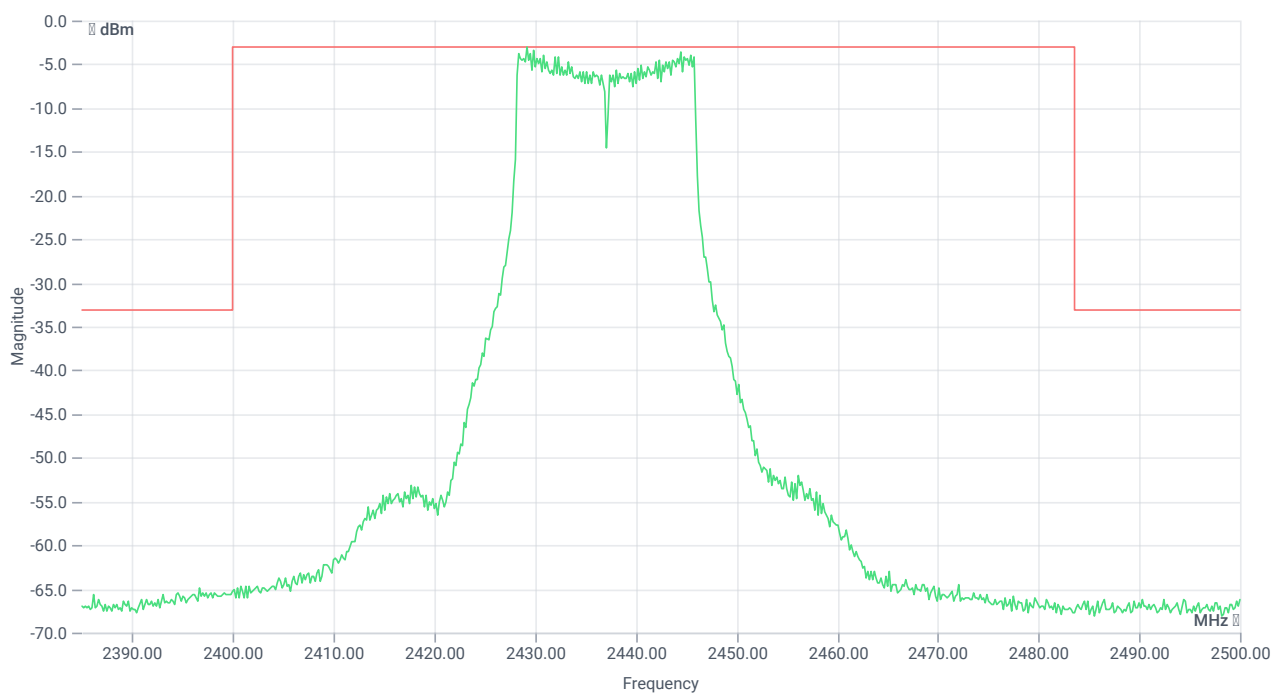
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.39	dBm	INFO
Ref. frequency	---	---	2440.900	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.39 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2429.17 MHz	---	---	-3.07	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6966.167 MHz	0	---	27.94	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 16:35:10
Ambit temp (test rack) [°C] humidity [rel%]	23.4 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT1_ PS16_avg

Equipment

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

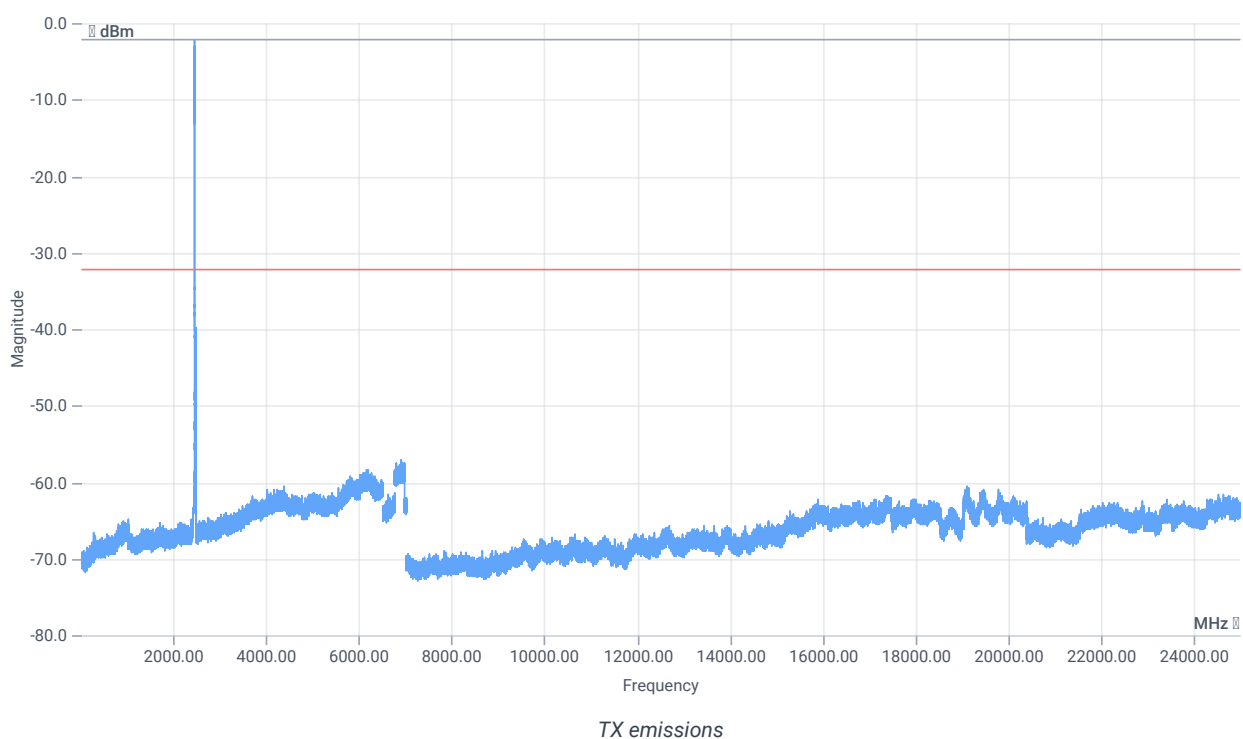
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

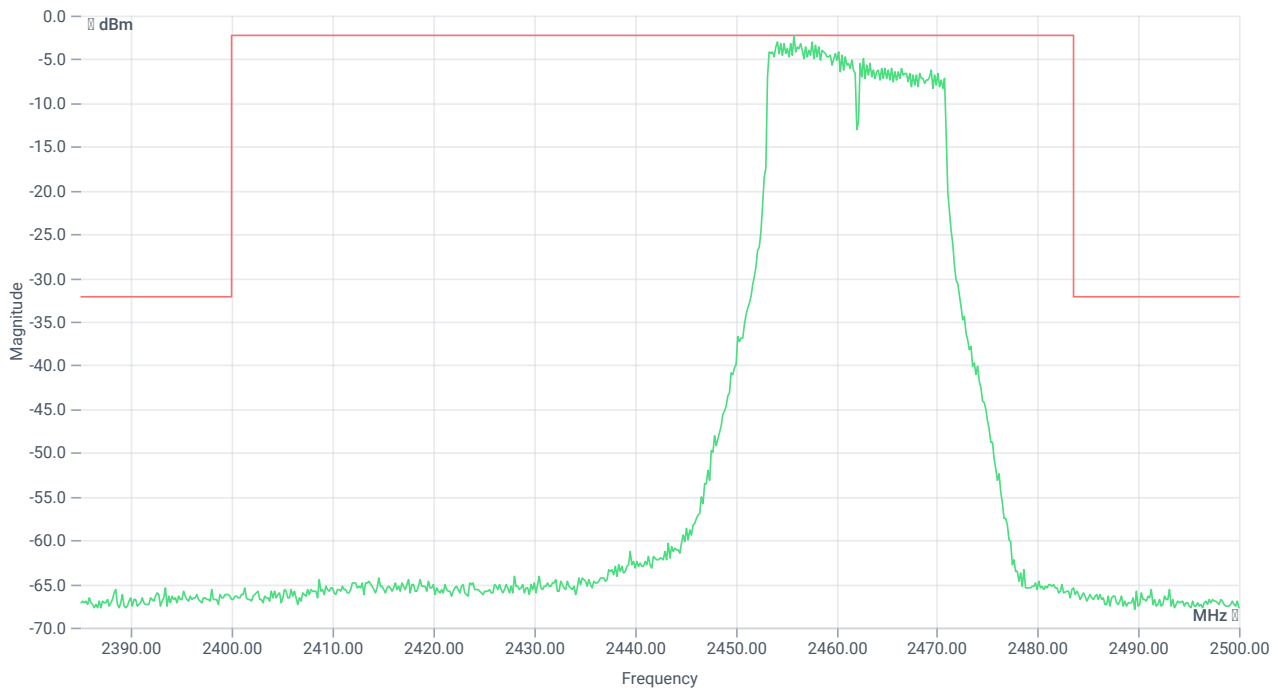
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.53	dBm	INFO
Ref. frequency	---	---	2458.300	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.53 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2455.83 MHz	---	---	-2.19	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6921.167 MHz	0	---	24.84	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:04:13
Ambit temp (test rack) [°C] humidity [rel%]	22.6 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

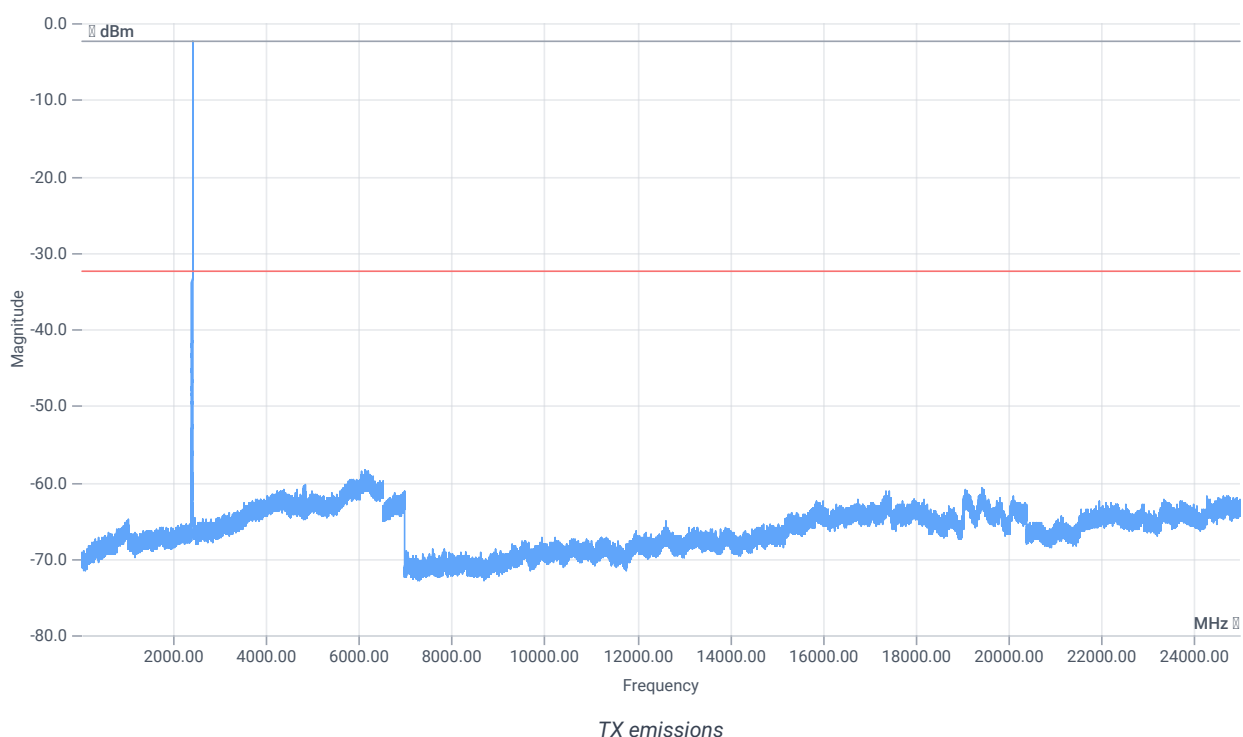
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

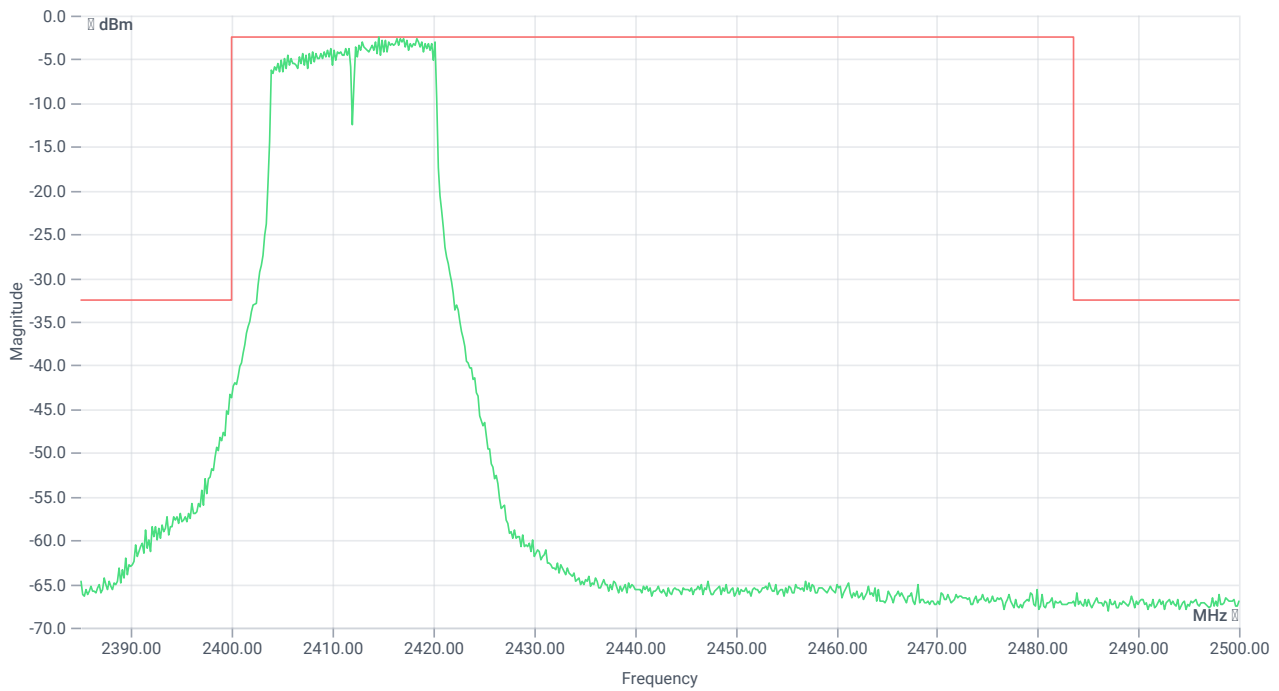
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.42	dBm	INFO
Ref. frequency	---	---	2413.800	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.42 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2414.50 MHz	---	---	-2.47	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	10.85	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:22:15
Ambit temp (test rack) [°C] humidity [rel%]	22.9 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

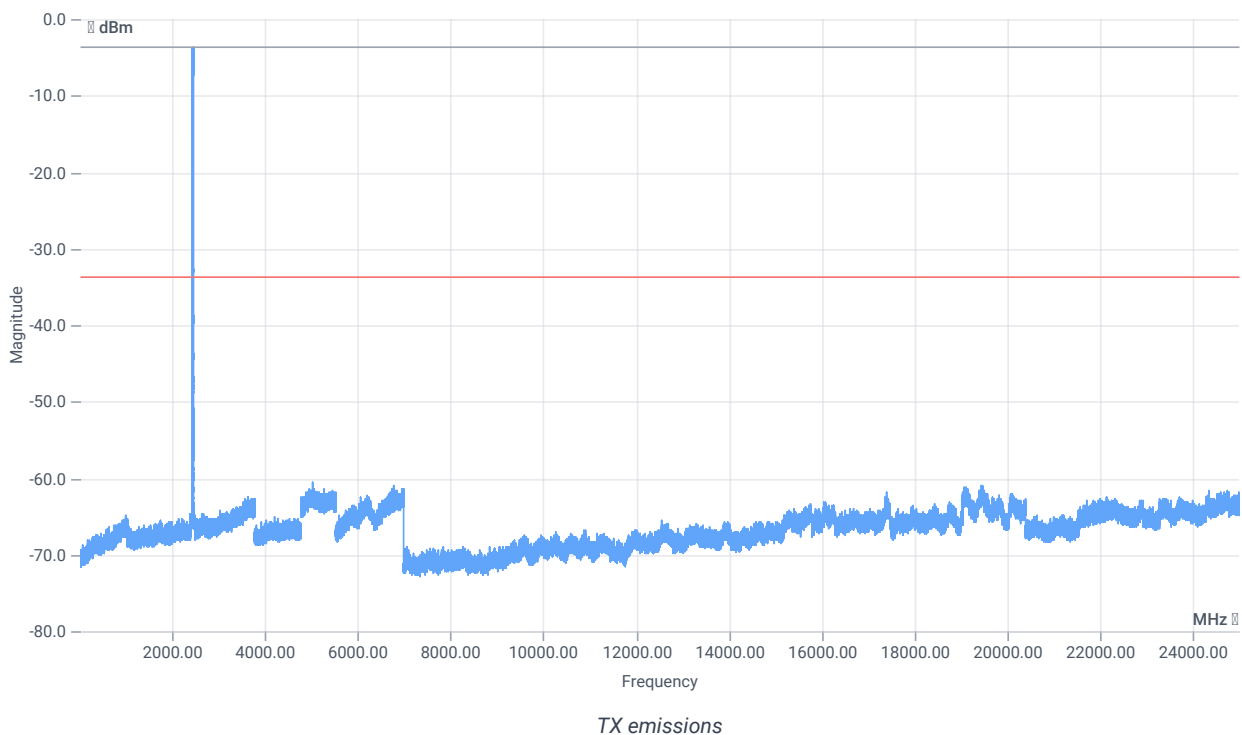
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

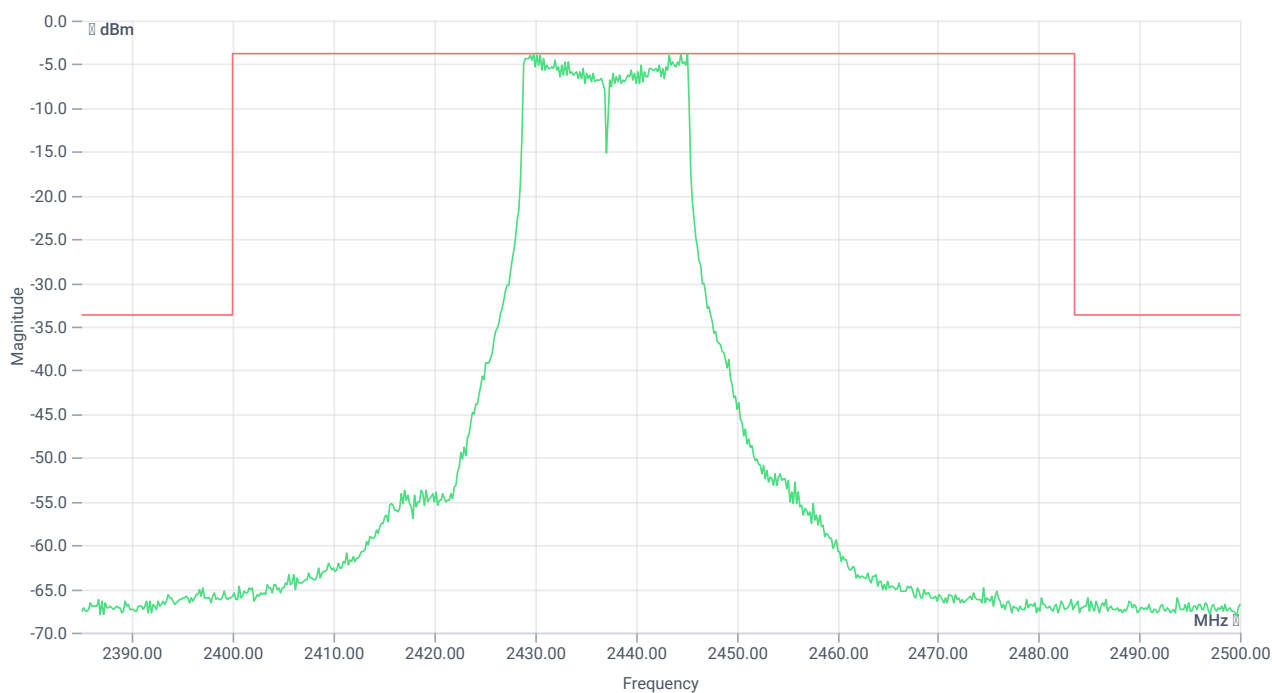
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.57	dBm	INFO
Ref. frequency	---	---	2430.210	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.57 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2444.50 MHz	---	---	-3.75	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 5040 MHz	0	---	26.87	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:40:19
Ambit temp (test rack) [°C] humidity [rel%]	23.1 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_g-mode_20MHz_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

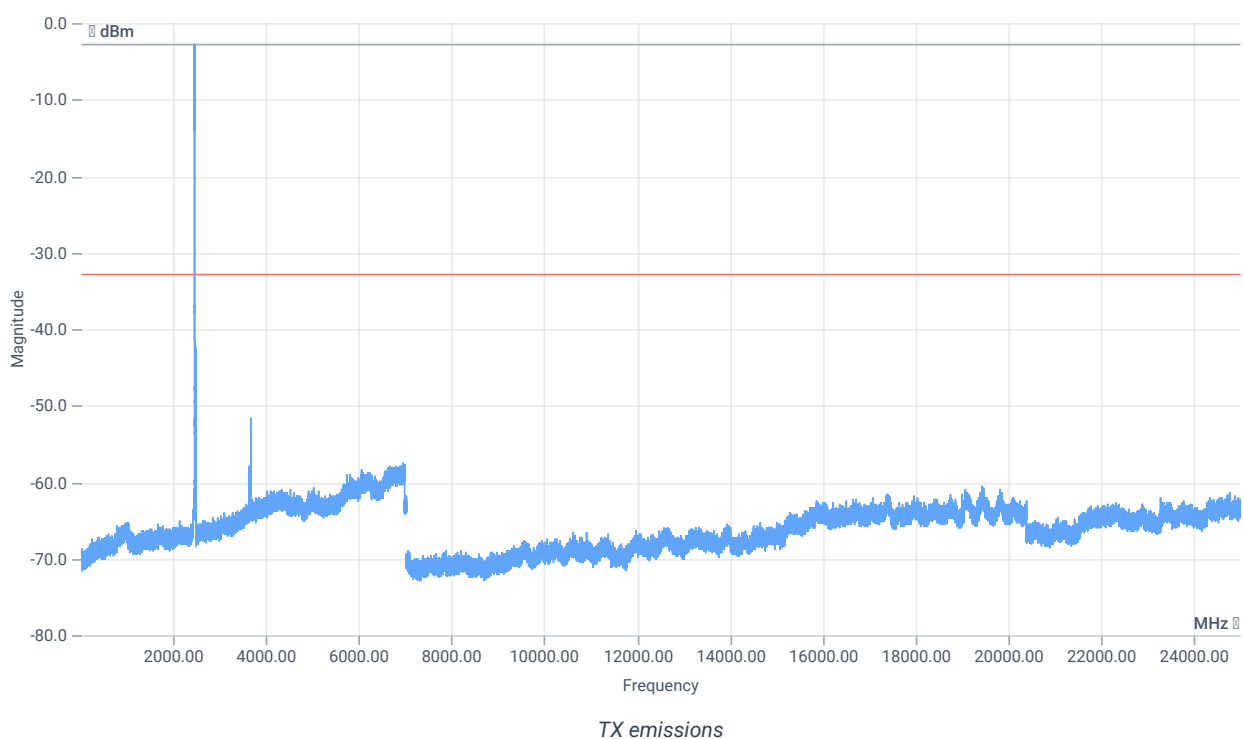
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

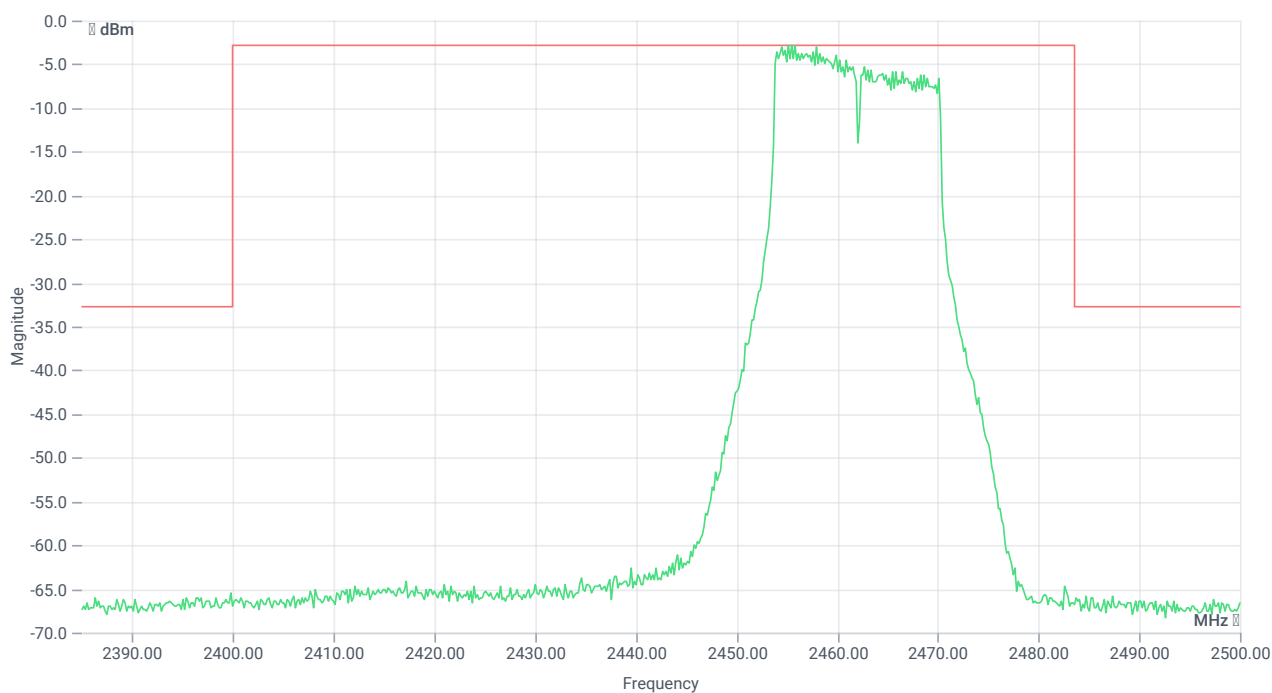
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.76	dBm	INFO
Ref. frequency	---	---	2455.610	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.76 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2455.50 MHz	---	---	-2.77	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 3677.667 MHz	0	---	18.96	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 10:18:18
Ambit temp (test rack) [°C] humidity [rel%]	21.9 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

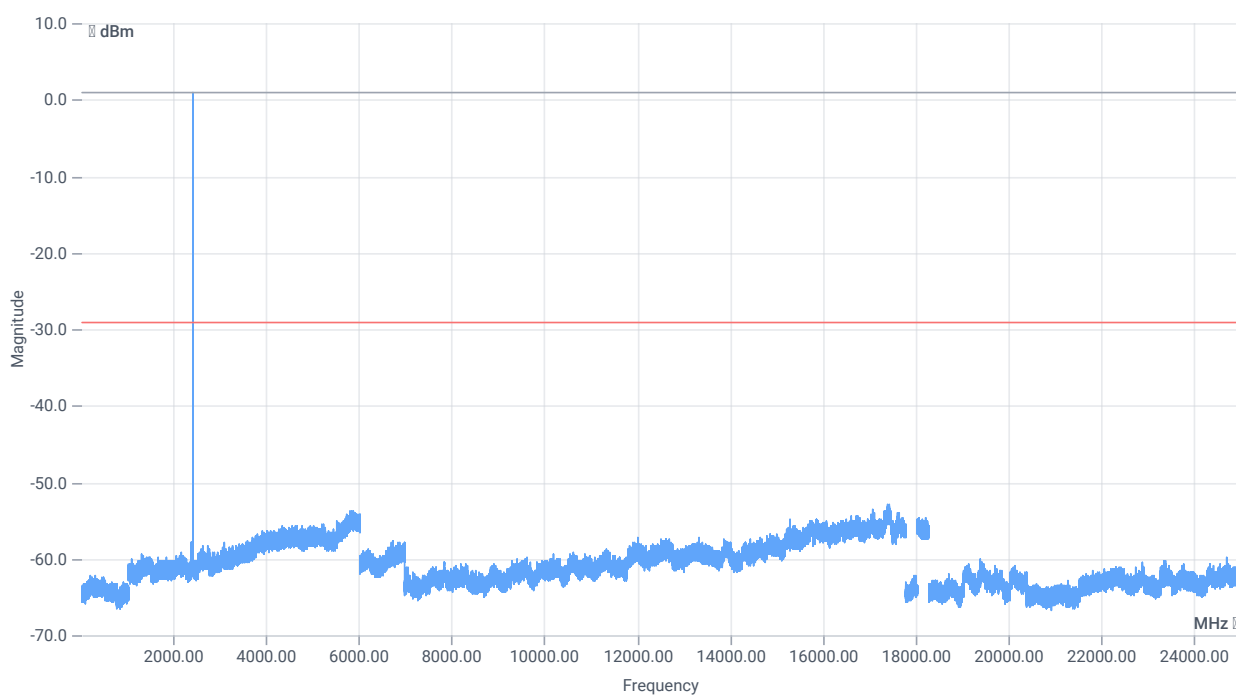
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

RESULT: Reference power cond.

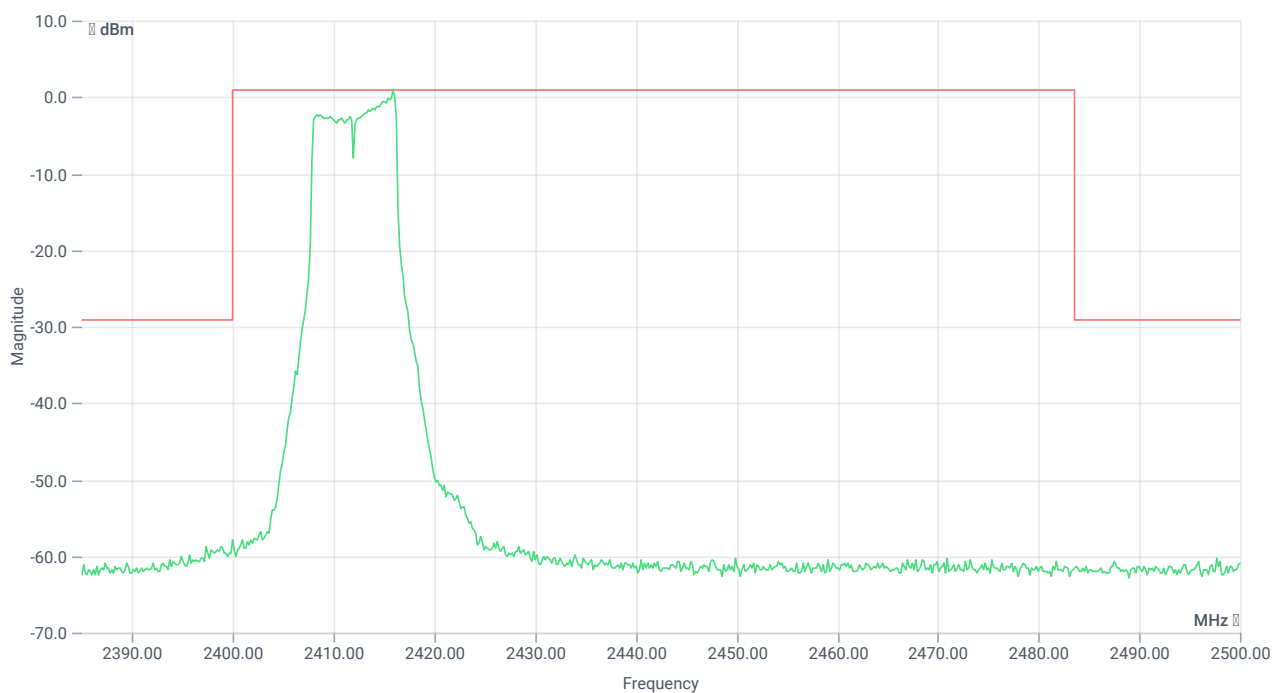
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.96	dBm	INFO
Ref. frequency	---	---	2415.200	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.96 20.57 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2415.83 MHz	---	---	0.90	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17433 MHz	0	---	23.8	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 10:46:09
Ambit temp (test rack) [°C] humidity [rel%]	22.1 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

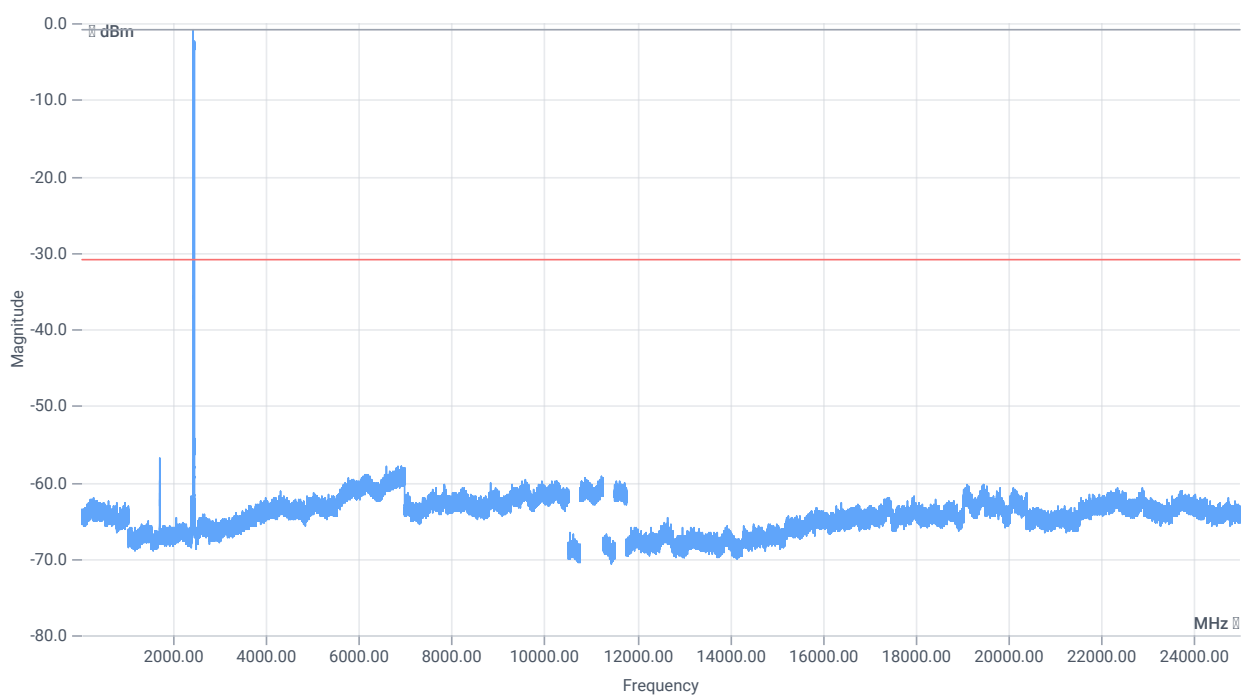
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

RESULT: Reference power cond.

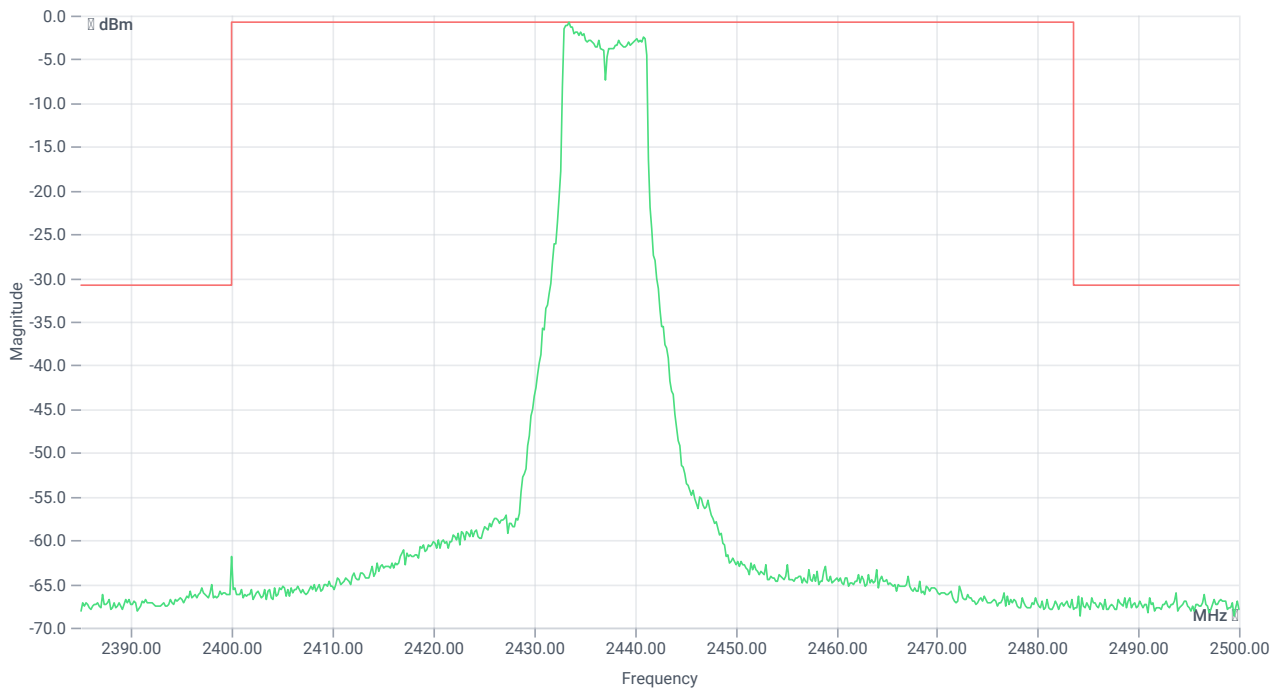
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.33	dBm	INFO
Ref. frequency	---	---	2440.200	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.33 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2433.50 MHz	---	---	-0.84	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 1712.5 MHz	0	---	26.09	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 g mode

References

TC start	19.05.2026 11:04:35
Ambit temp (test rack) [°C] humidity [rel%]	22.2 41
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 g mode
Information	OFDM_10MHz(HR)_ANT2_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

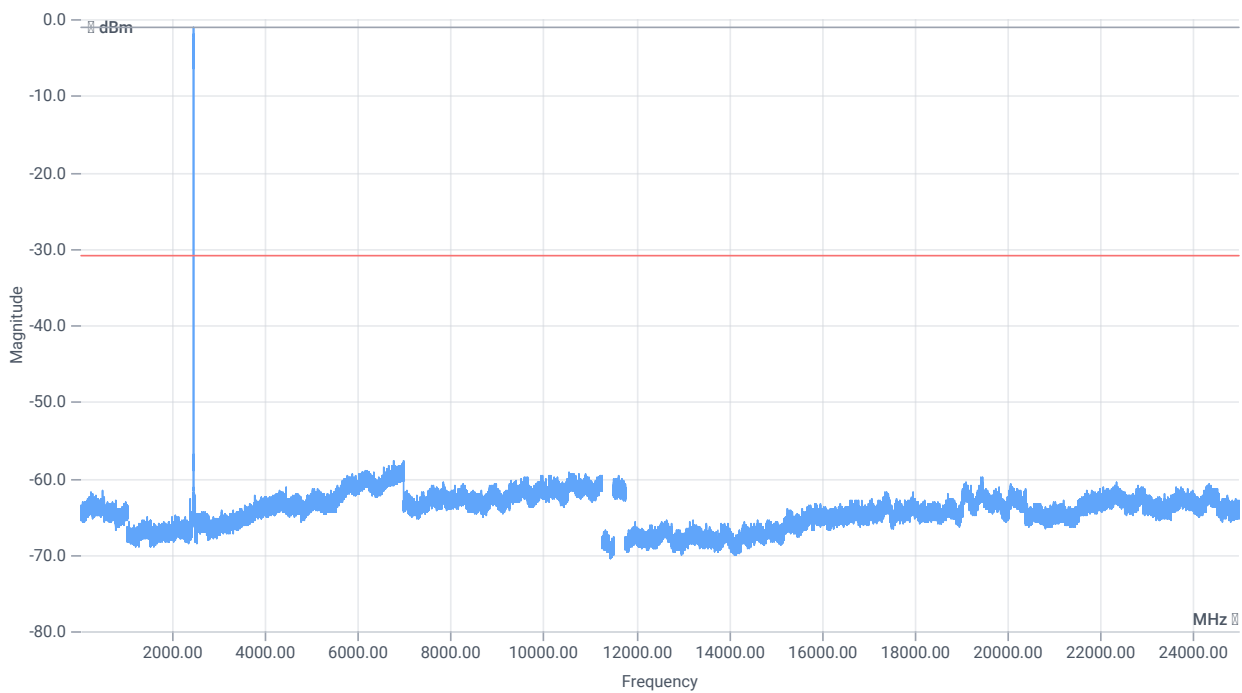
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

RESULT: Reference power cond.

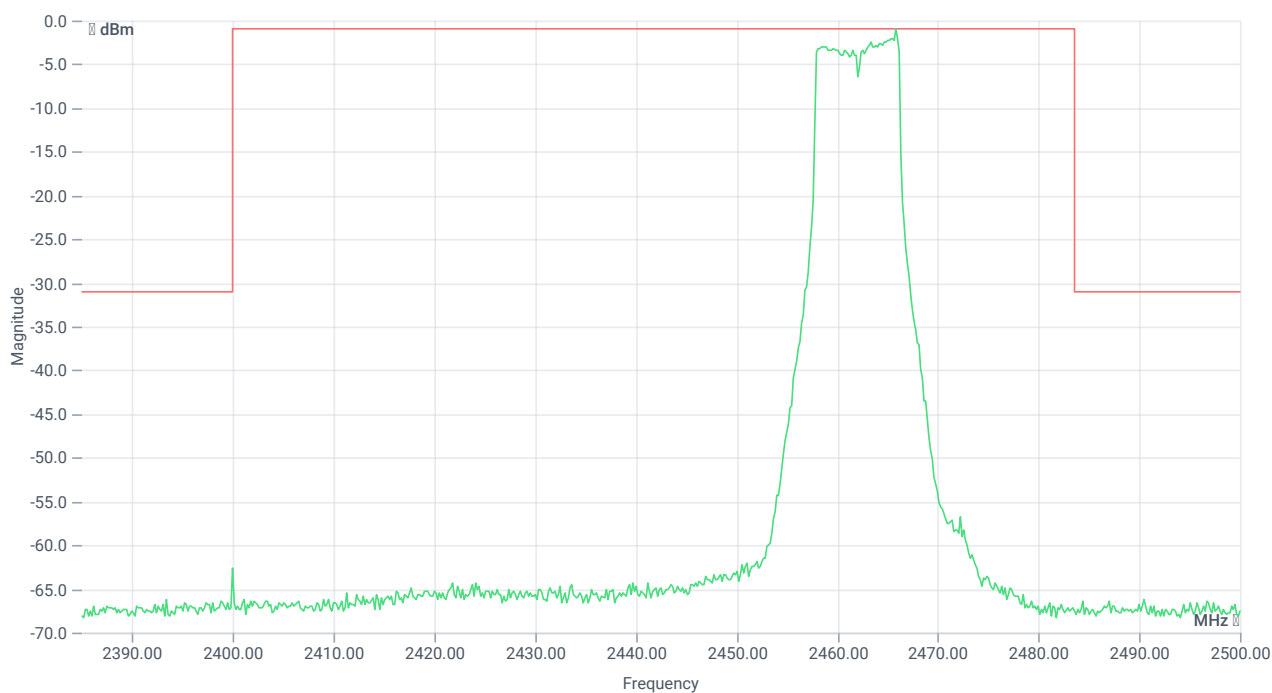
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.48	dBm	INFO
Ref. frequency	---	---	2465.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.48 20.57 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2465.83 MHz	---	---	-1.02	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6763.833 MHz	0	---	26.77	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:15:43
Ambit temp (test rack) [°C] humidity [rel%]	21.0 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

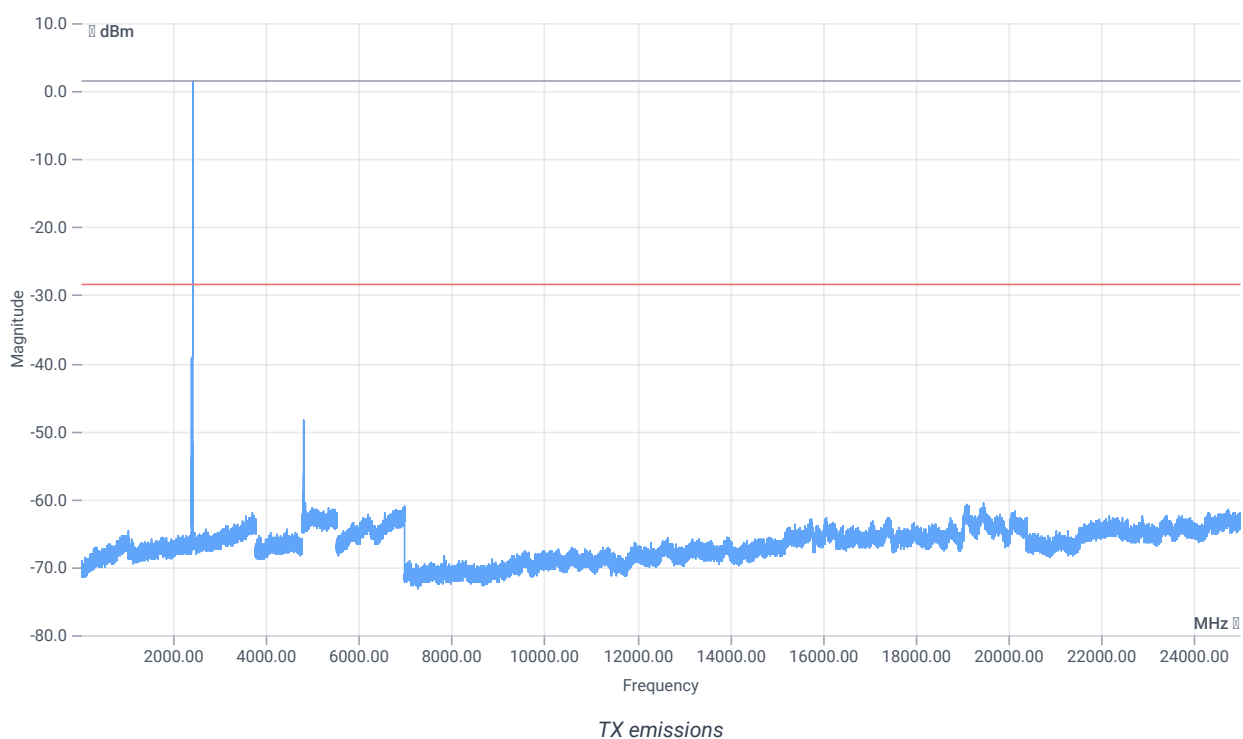
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

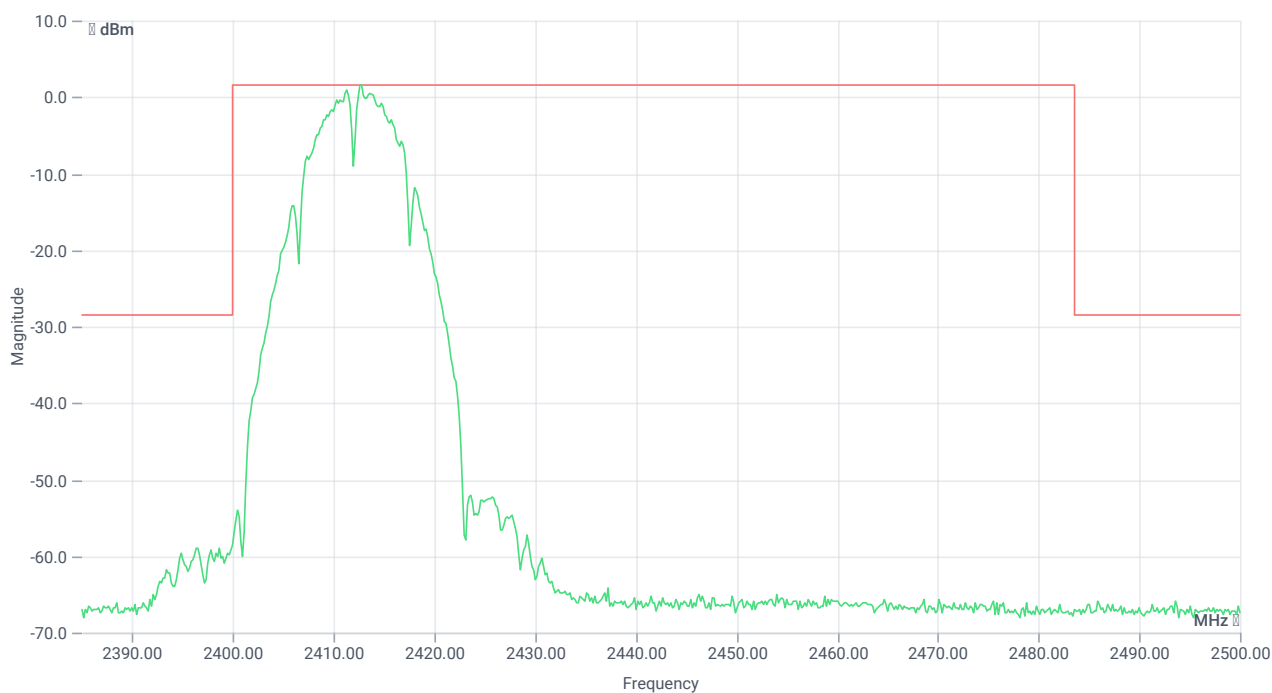
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.60	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.60 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2412.67 MHz	---	---	1.56	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4824 MHz	0	---	19.97	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:34:07
Ambit temp (test rack) [°C] humidity [rel%]	21.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

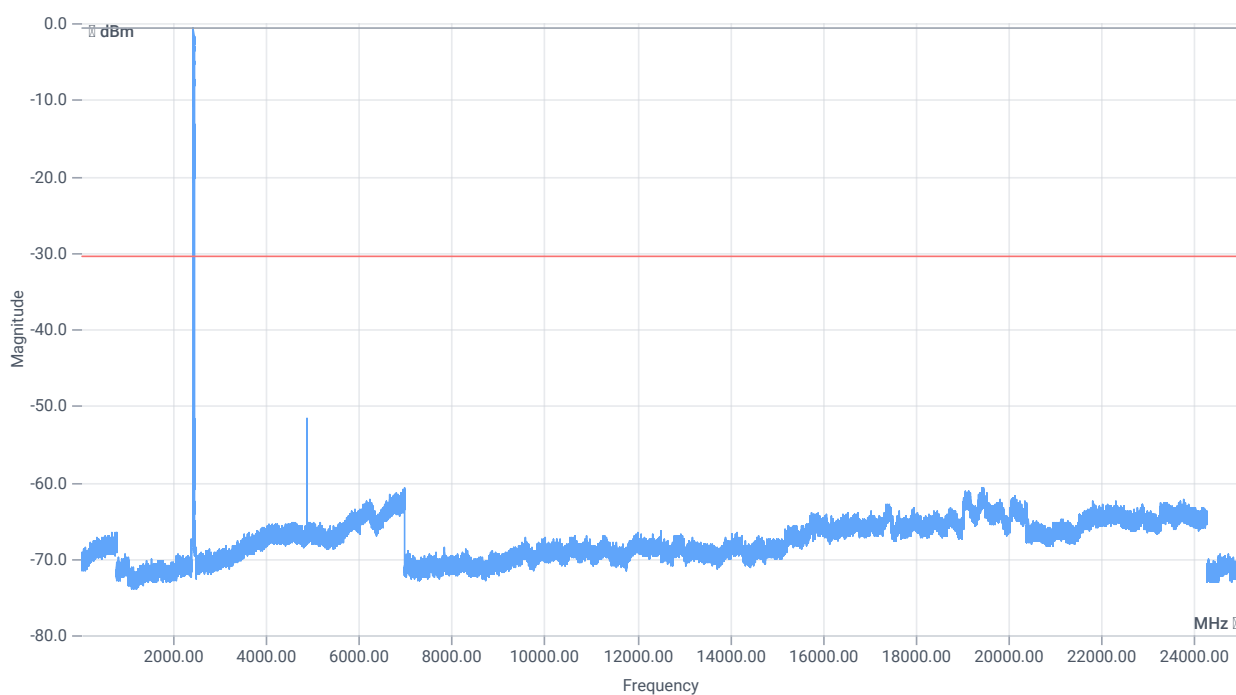
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

RESULT: Reference power cond.

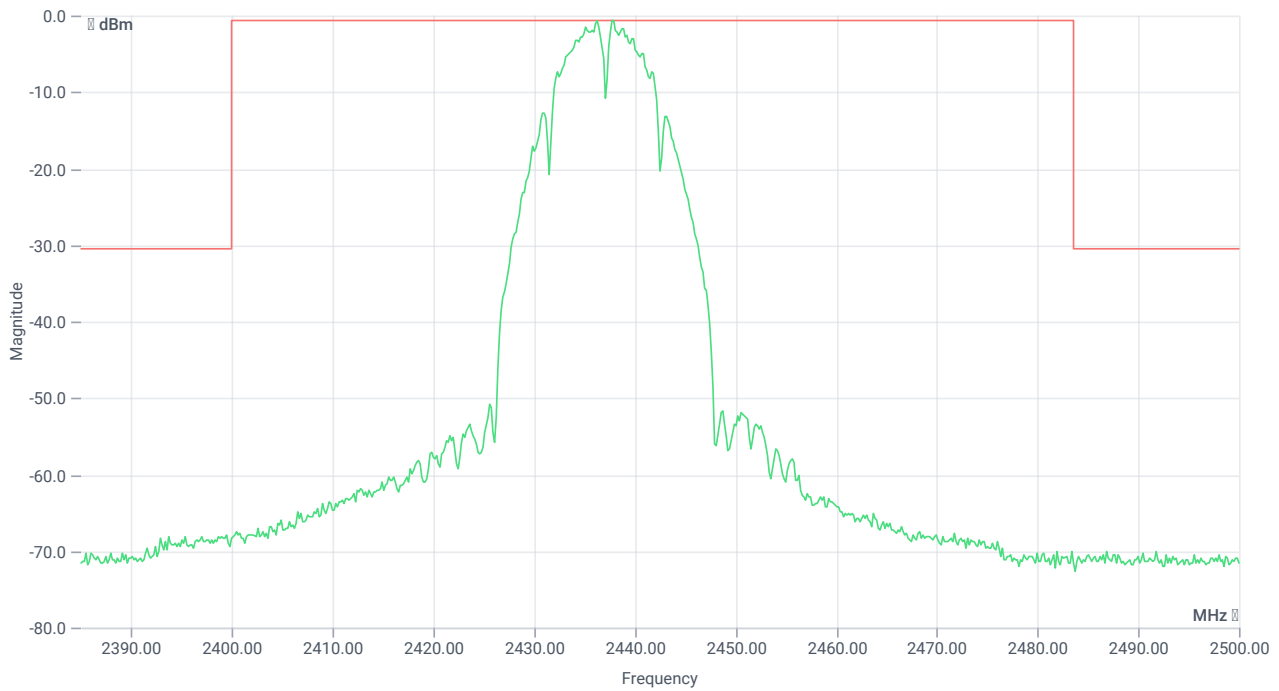
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.93	dBm	INFO
Ref. frequency	---	---	2438.200	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.93 21.22 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2437.83 MHz	---	---	-0.56	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	21.15	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:57:51
Ambit temp (test rack) [°C] humidity [rel%]	21.5 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

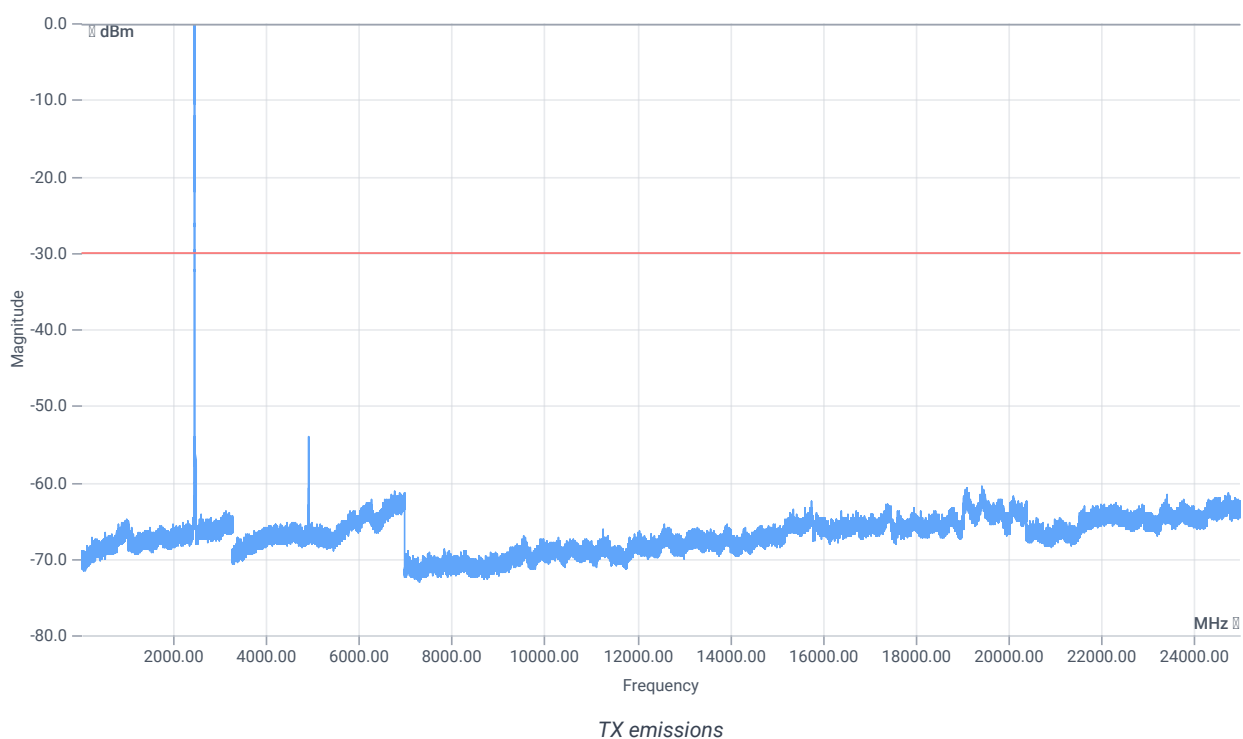
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

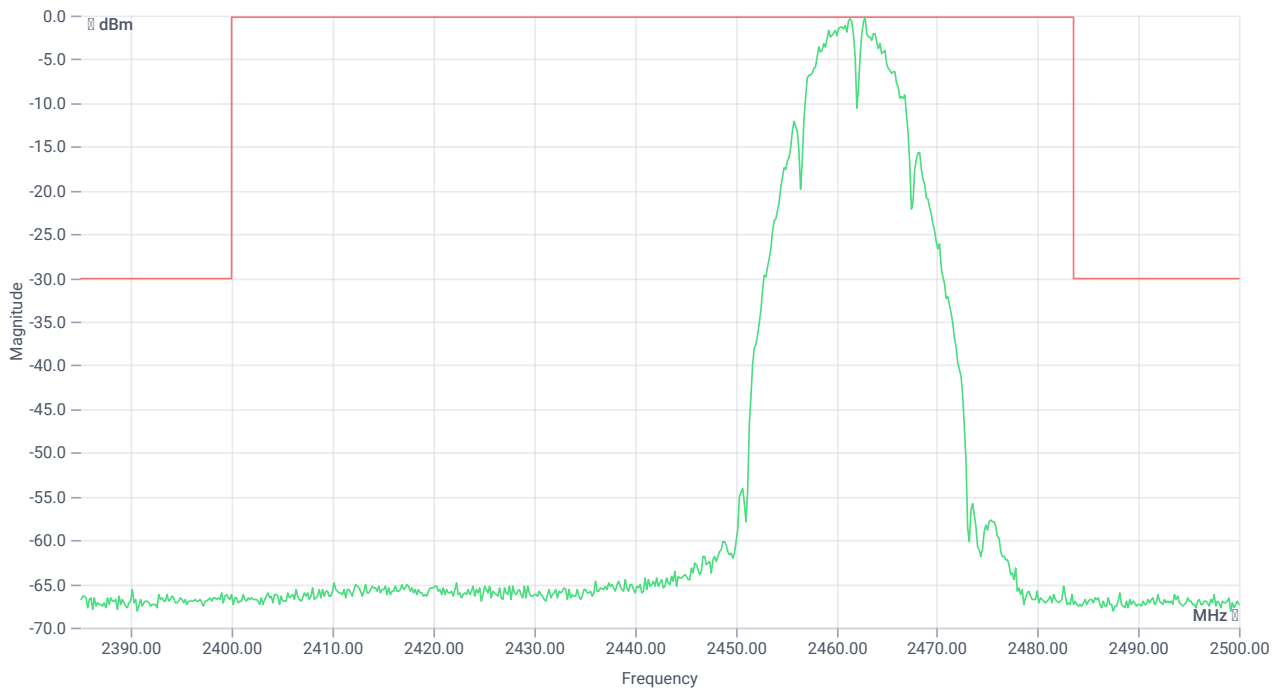
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.91	dBm	INFO
Ref. frequency	---	---	2460.700	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.91 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2462.83 MHz	---	---	-0.14	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4924 MHz	0	---	23.88	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:15:43
Ambit temp (test rack) [°C] humidity [rel%]	21.0 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

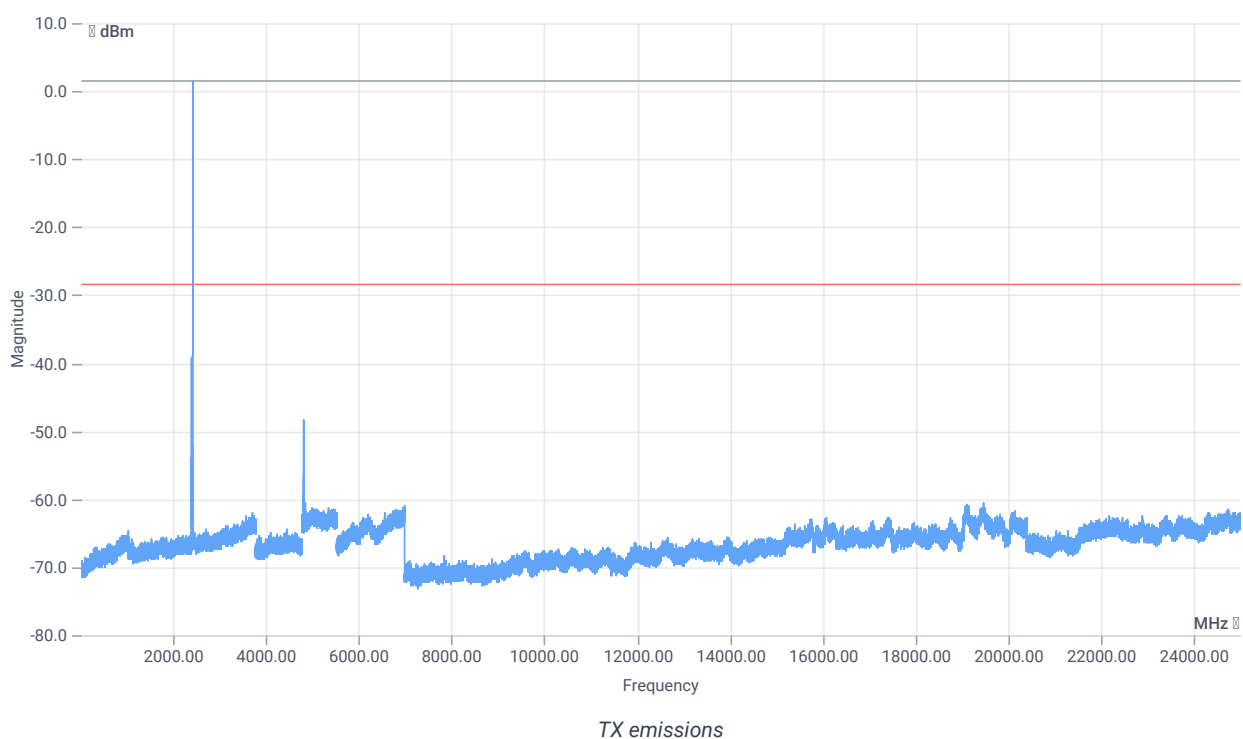
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

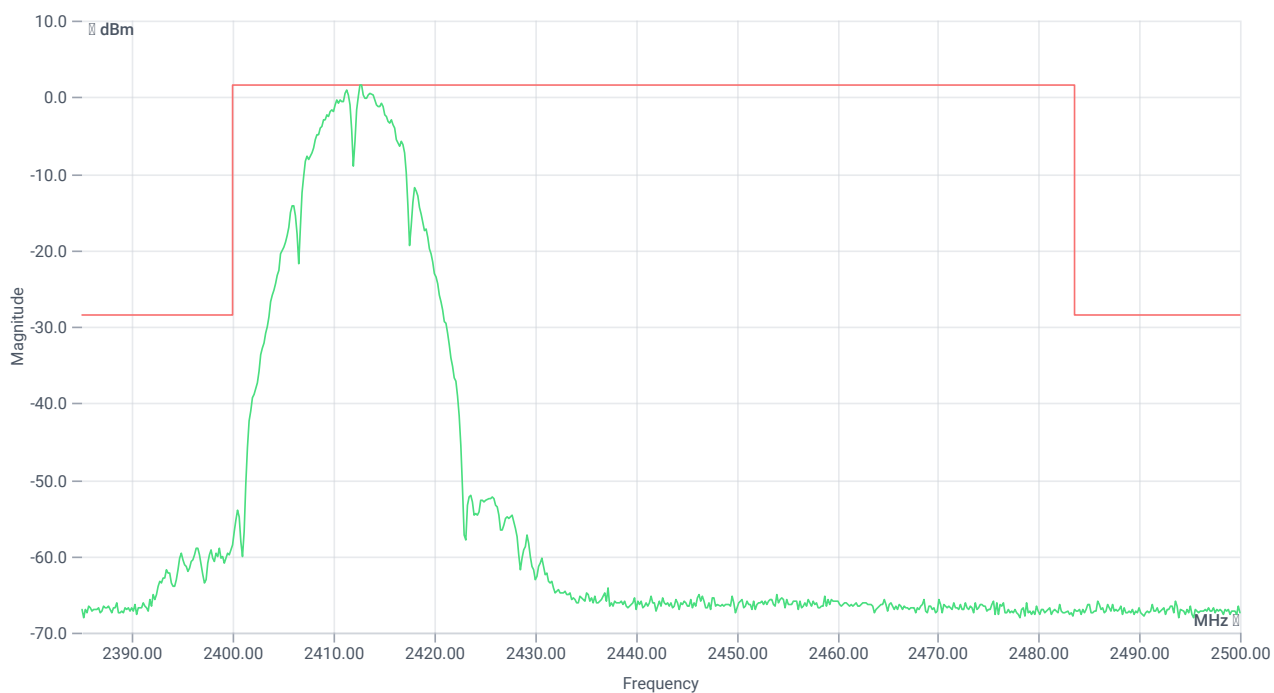
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.60	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.60 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2412.67 MHz	---	---	1.56	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4824 MHz	0	---	19.97	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:34:07
Ambit temp (test rack) [°C] humidity [rel%]	21.3 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

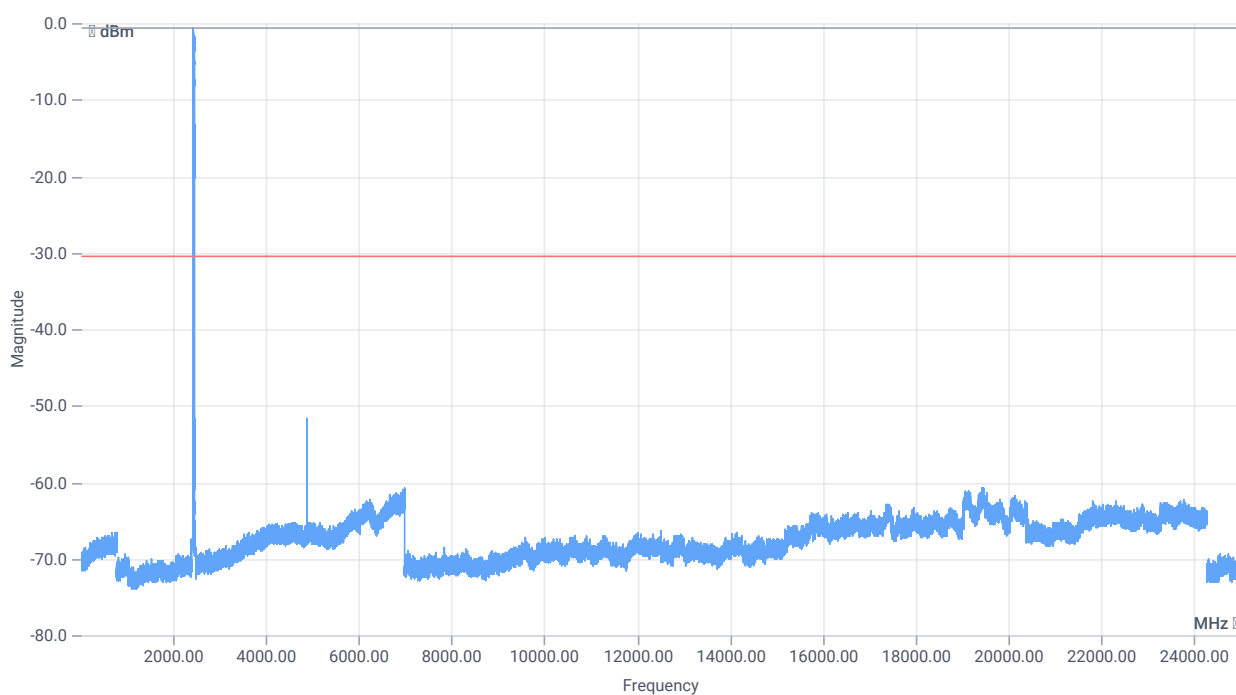
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

RESULT: Reference power cond.

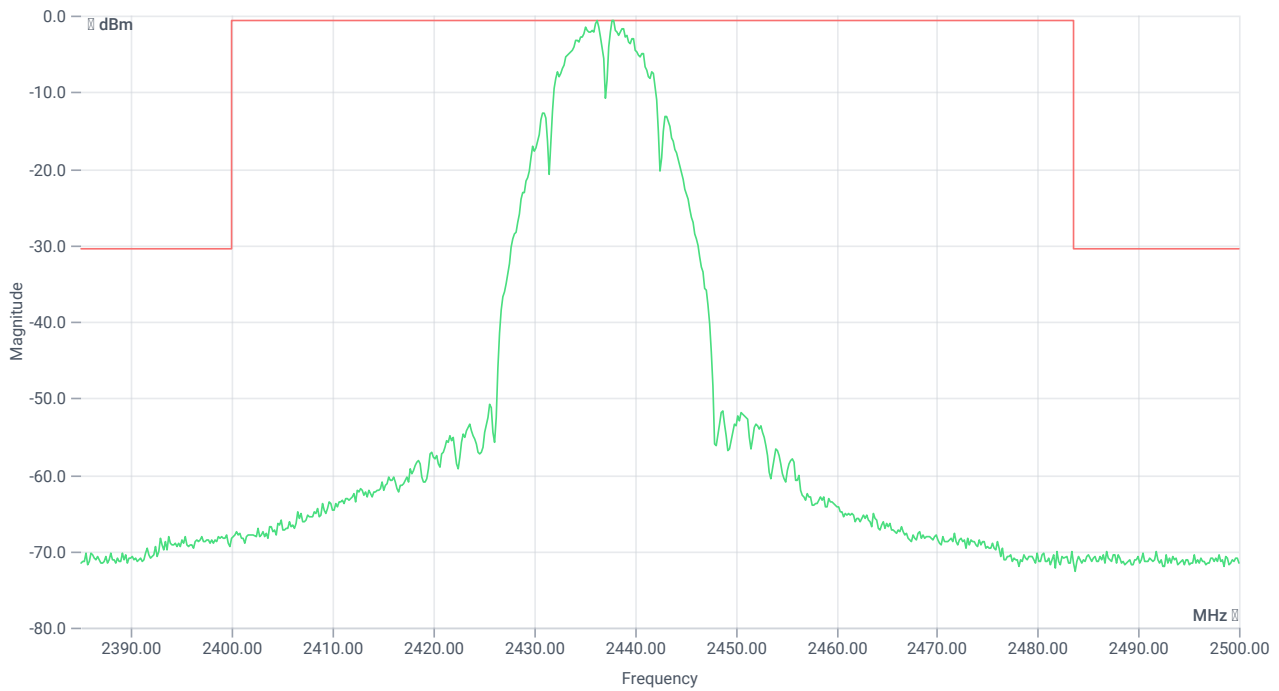
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.93	dBm	INFO
Ref. frequency	---	---	2438.200	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.93 21.22 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2437.83 MHz	---	---	-0.56	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	21.15	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:57:51
Ambit temp (test rack) [°C] humidity [rel%]	21.5 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

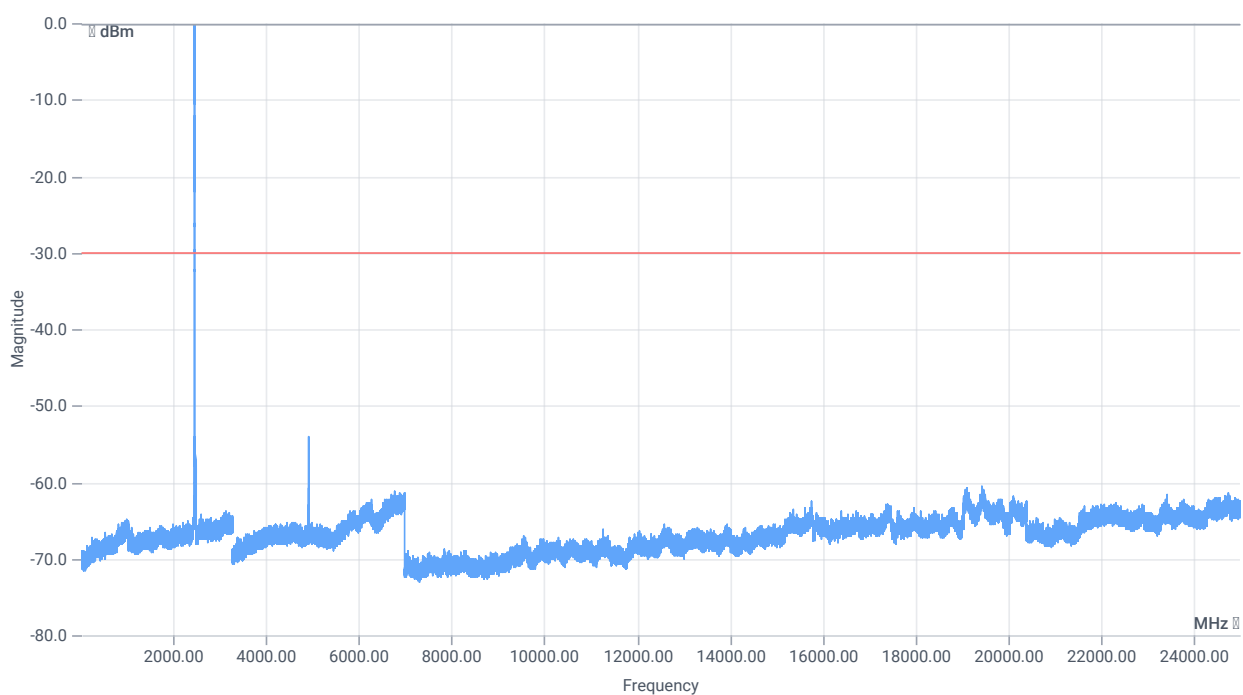
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2462 MHz

RESULT: Reference power cond.

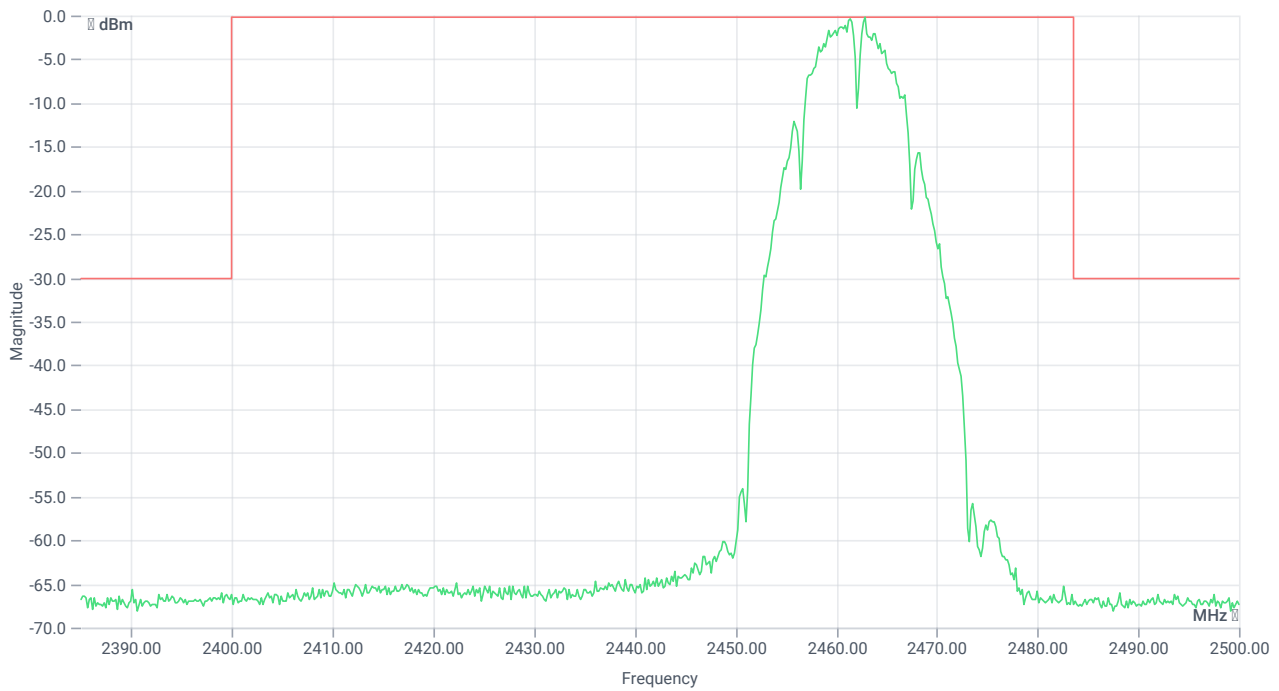
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.91	dBm	INFO
Ref. frequency	---	---	2460.700	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.91 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2462.83 MHz	---	---	-0.14	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4924 MHz	0	---	23.88	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 10:46:44
Ambit temp (test rack) [°C] humidity [rel%]	21.9 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

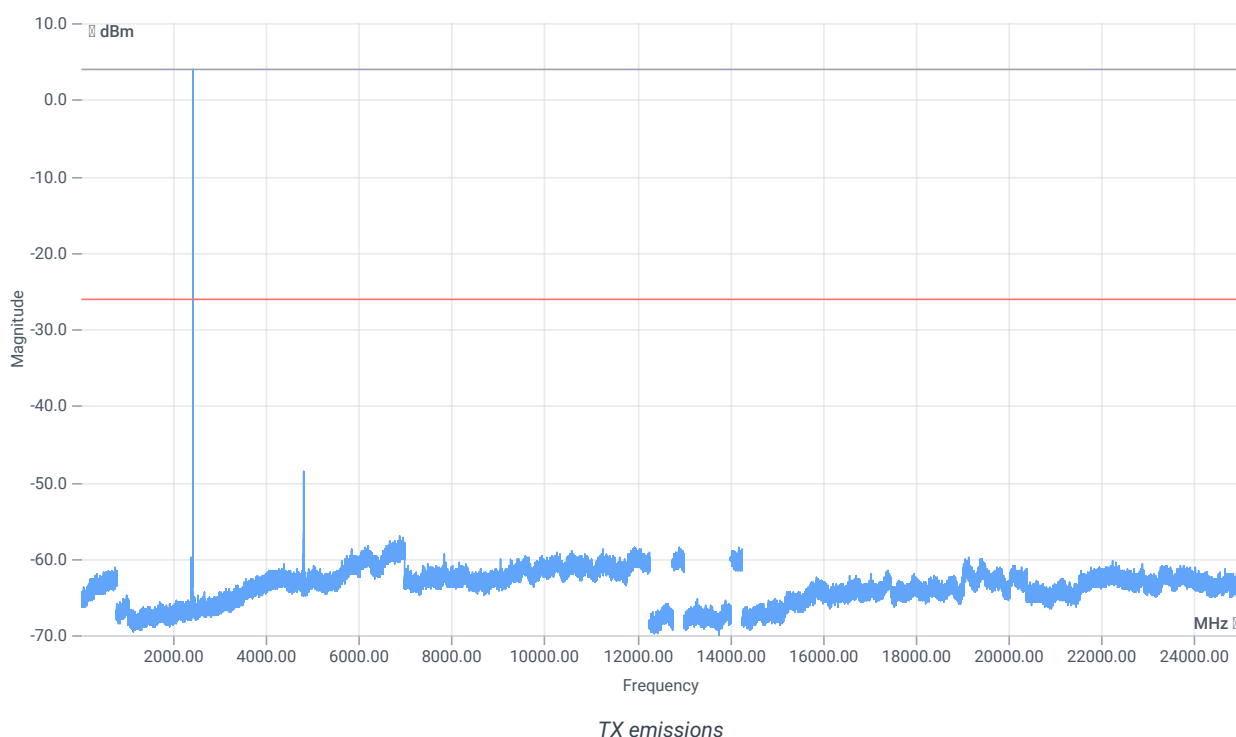
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2412 MHz

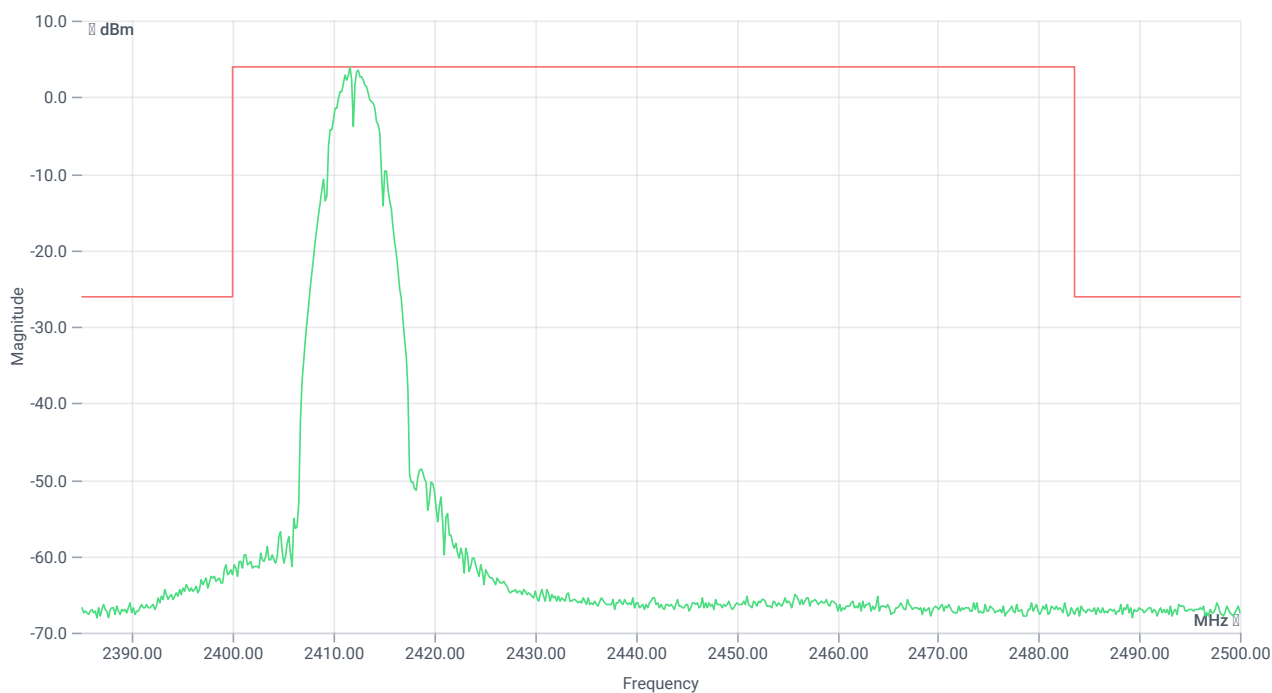
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.90	dBm	INFO
Ref. frequency	---	---	2412.100	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.90 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2411.67 MHz	---	---	3.96	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4824 MHz	0	---	22.48	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 11:04:55
Ambit temp (test rack) [°C] humidity [rel%]	22.1 40
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

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

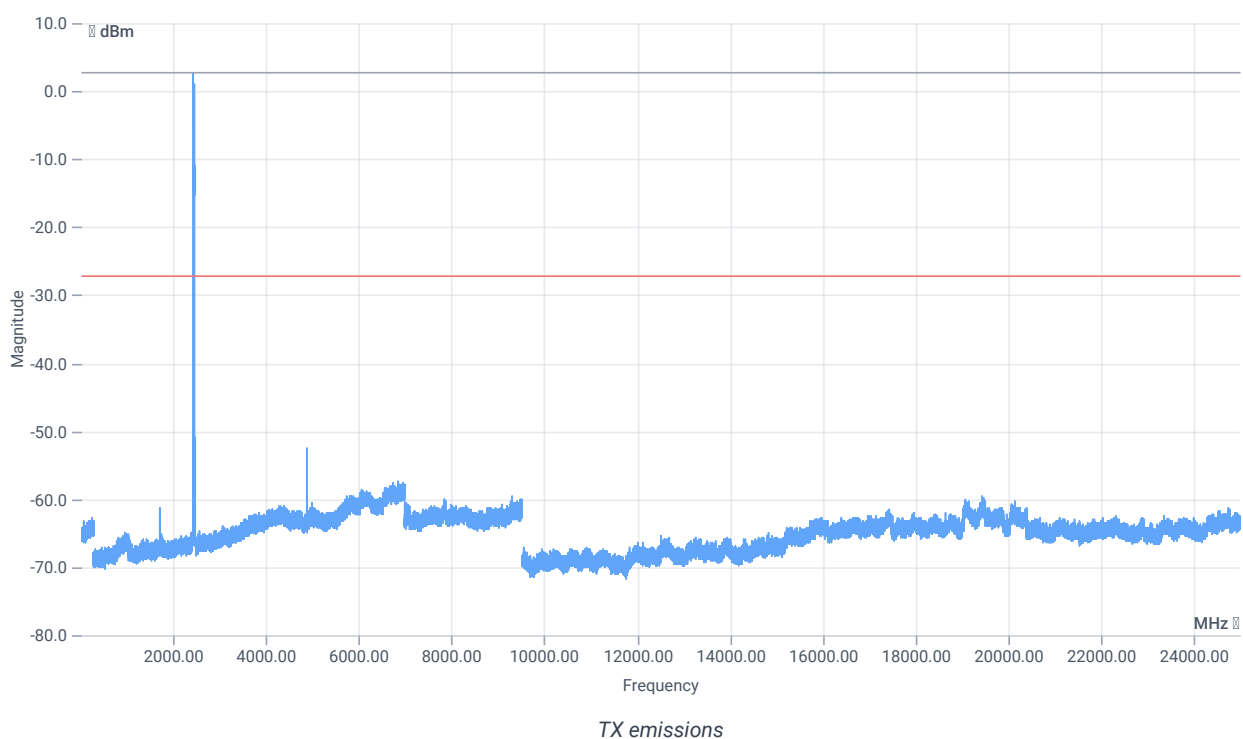
Test Parameter

Technology to test	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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 2437 MHz

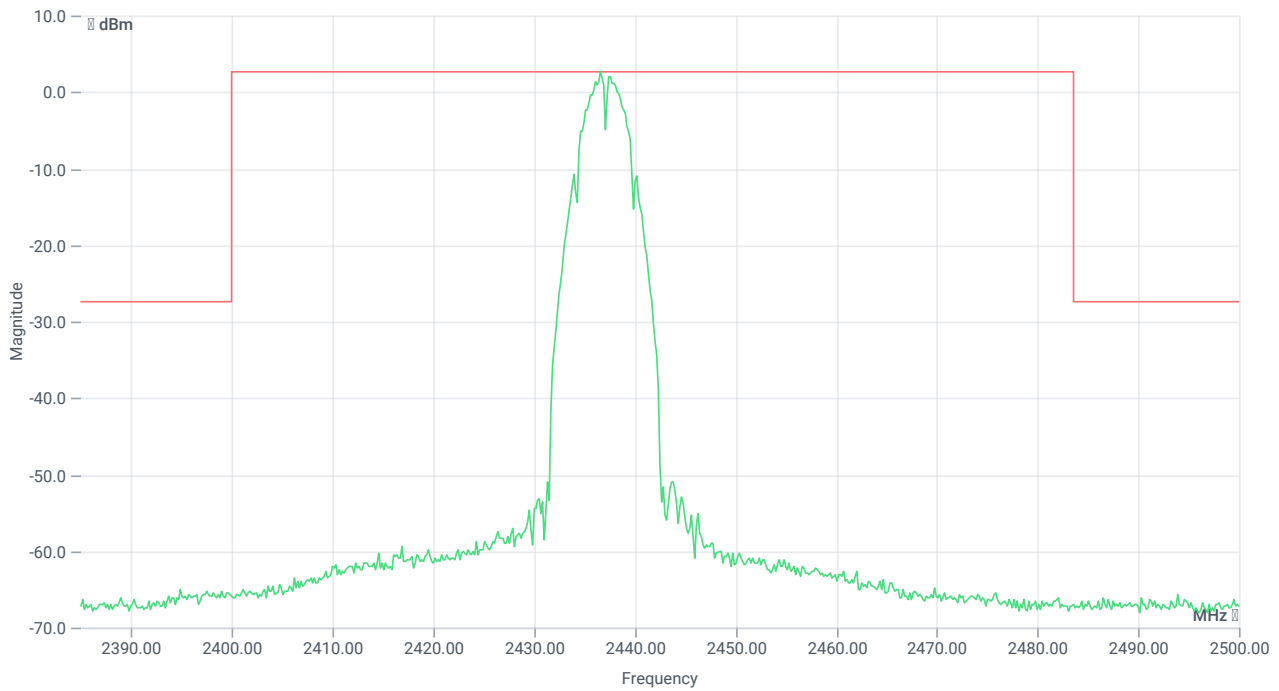
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.80	dBm	INFO
Ref. frequency	---	---	2437.100	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.80 21.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	RMS MAXH
Sweep: time [ms] count points per Section type	200 25 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2436.67 MHz	---	---	2.68	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4874 MHz	0	---	25.2	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 b mode

References

TC start	18.05.2026 11:25:03
Ambit temp (test rack) [°C] humidity [rel%]	22.2 39
System version	6.0.6.5
Standard Version	FCC 15.247 NI
Method	IF DTS then 8.5 DTS emissions in non-restricted frequency bands: Subclause 11.11 of ANSI C63.10 is applicable
Description	FCC 15.247 TX Emissions cond. 30dBc DTS - WLAN2G4 b mode
Information	DSSS_10MHz(HR)_ANT1_ PS16_avg

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	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	WLAN2G4 b mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2412
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2462
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0
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