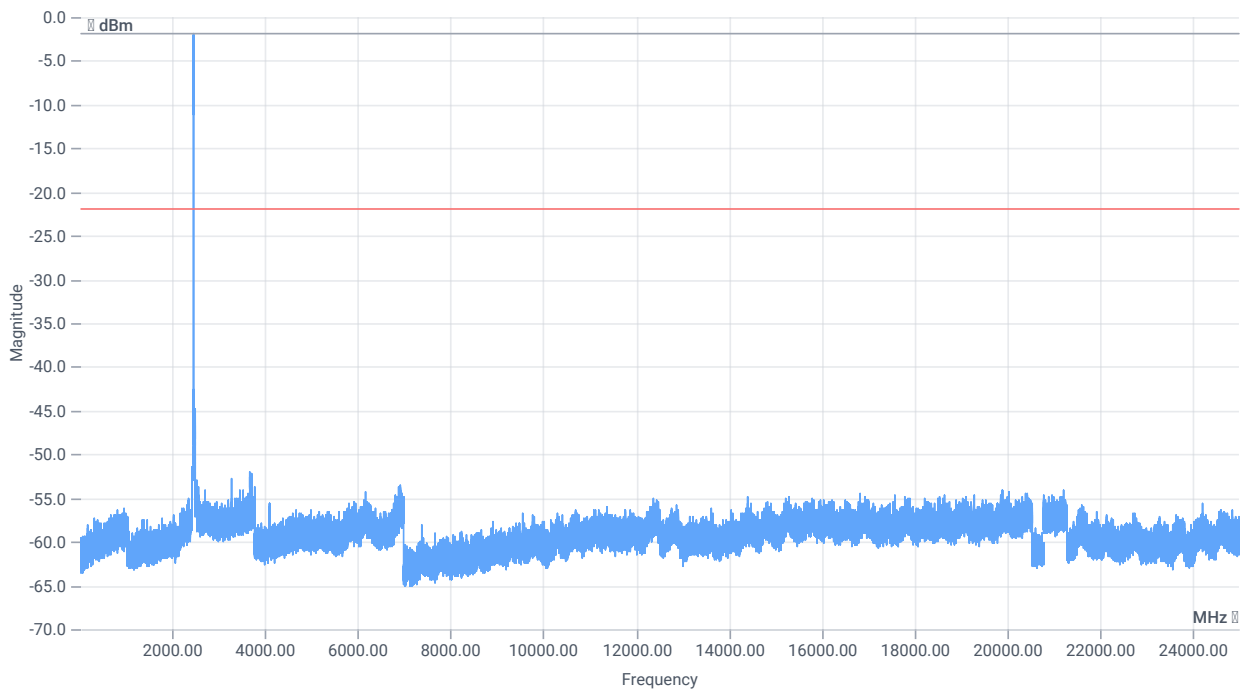


Test at TX 2462 MHz

RESULT: Reference power cond.

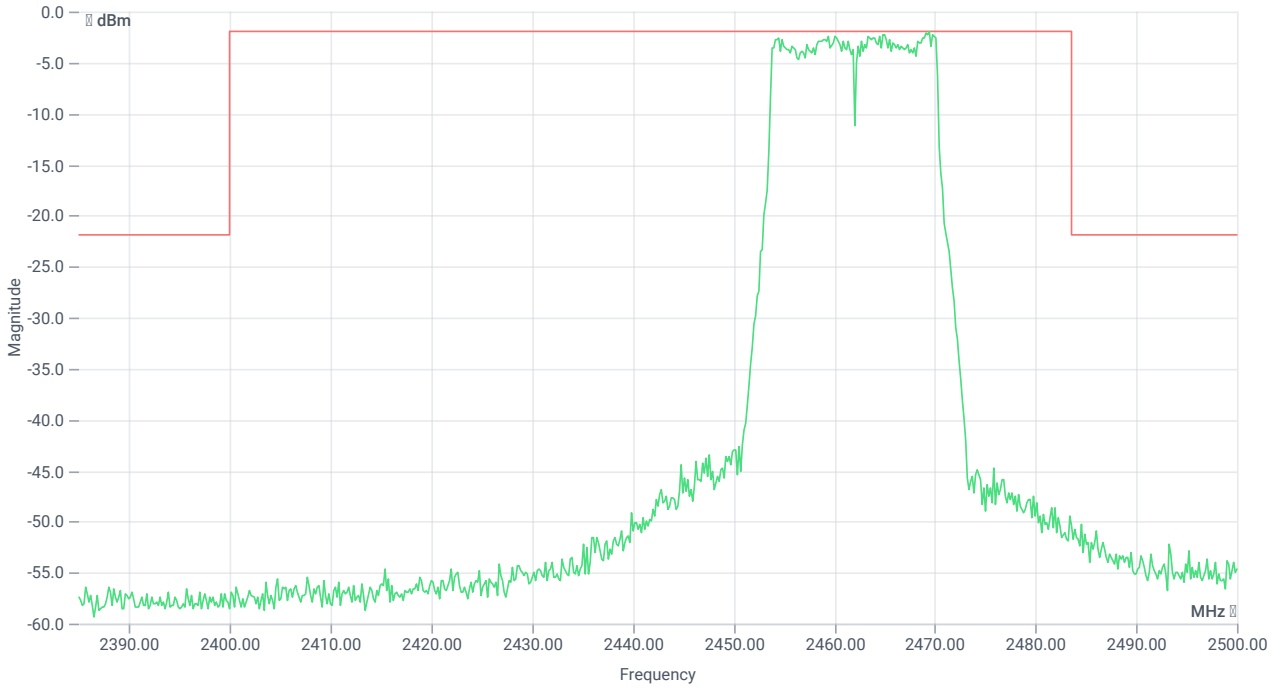
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	8.85	dBm	INFO
Ref. frequency	--	--	2464.600	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.85 15.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2469.50 MHz	--	--	-1.91	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2484.5 MHz	0	--	28.41	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 g mode

References

TC start	10.04.2024 18:57:06
Ambit temp [°C] humidity [rel%]	23.8 29
System version	5.0.3.8
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. DTS - WLAN2G4 g mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

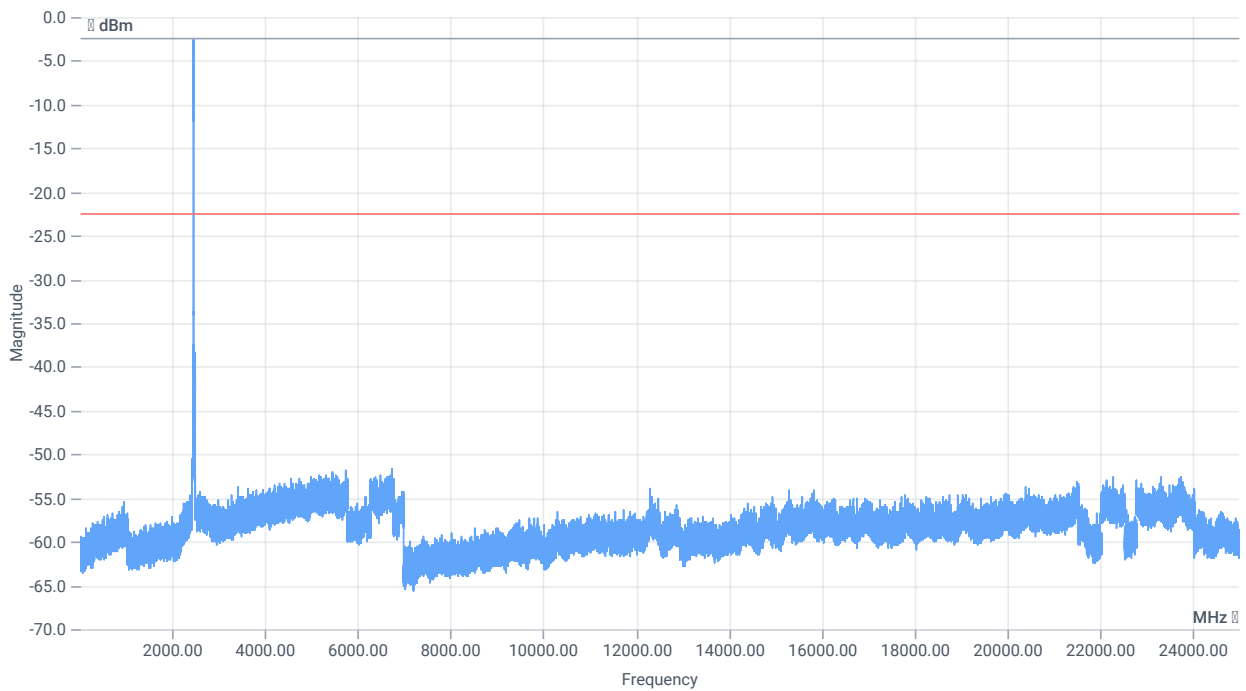
Test Parameter

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.

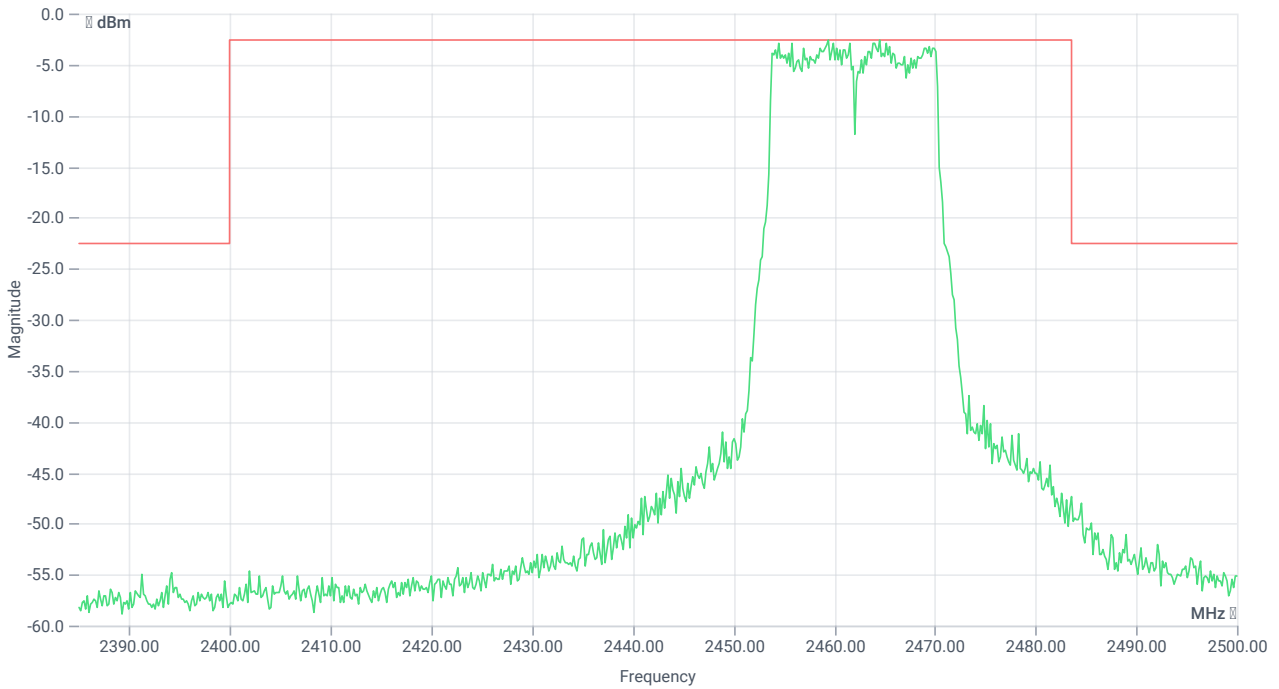
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	9.85	dBm	INFO
Ref. frequency	--	--	2464.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.85 15.18 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2464.50 MHz	--	--	-2.52	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 30 MHz	0	--	-138.12	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 19:13:15
Ambit temp [°C] humidity [rel%]	23.6 30
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

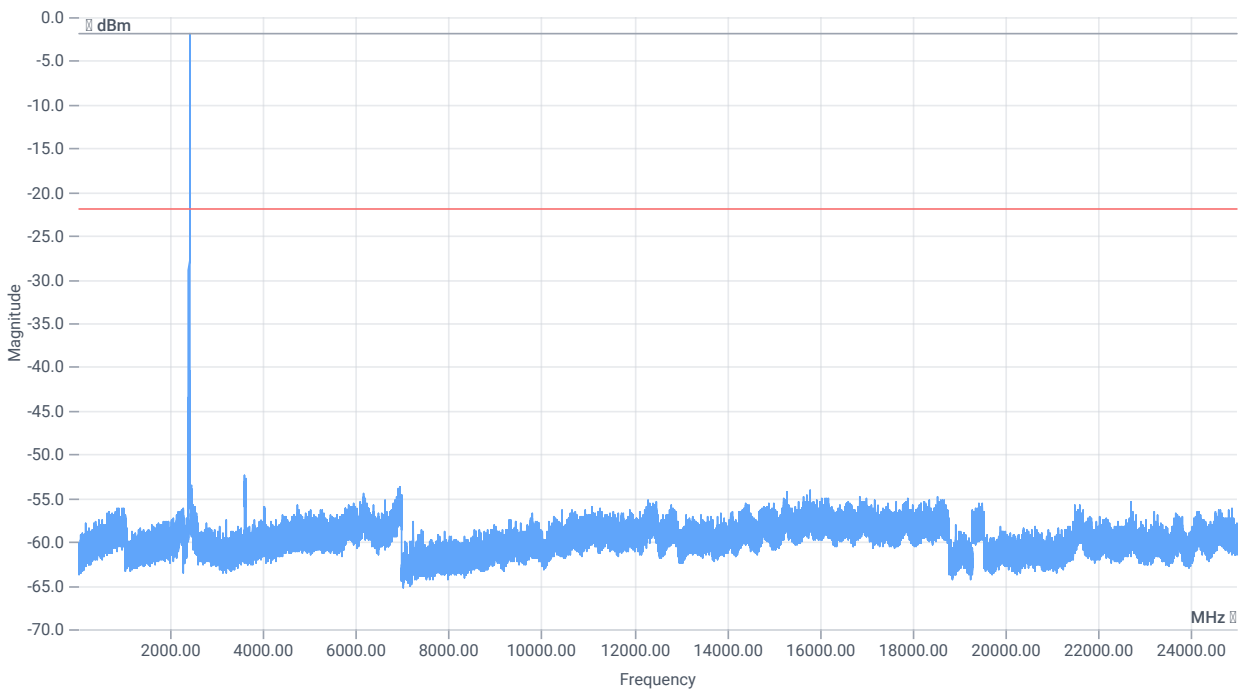
Test Parameter

Technology to test	WLAN2G4 n-HT20 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.

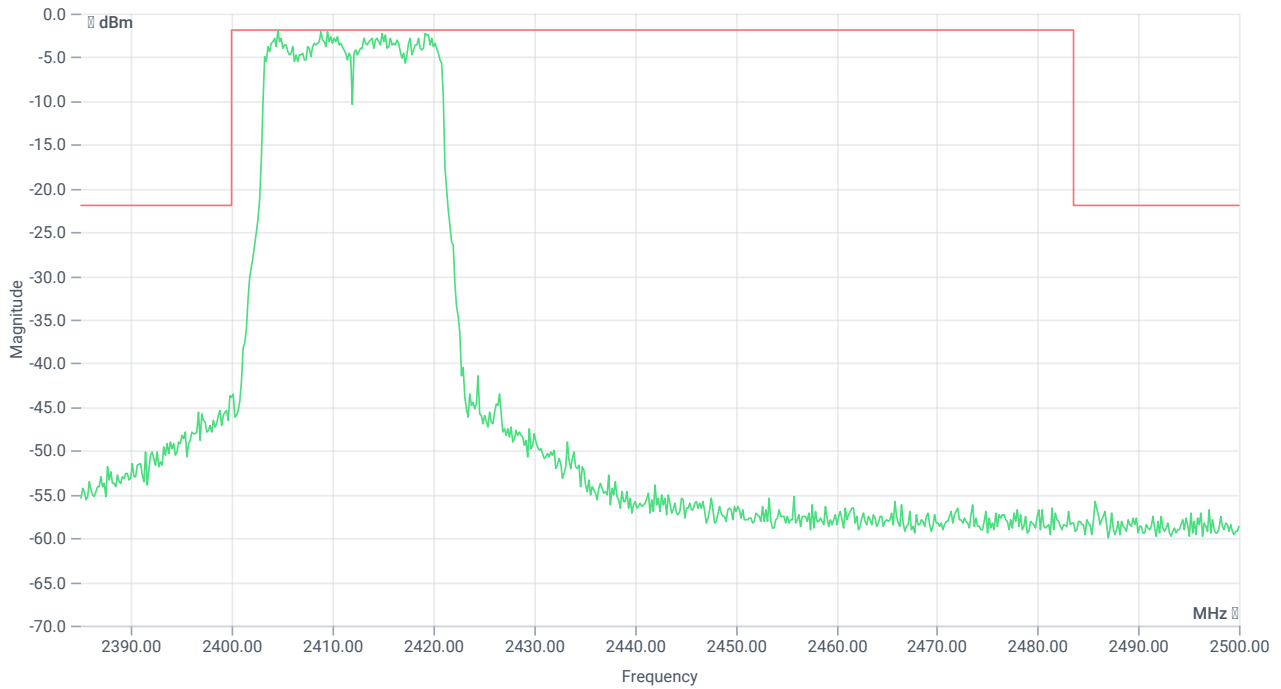
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	8.39	dBm	INFO
Ref. frequency	--	--	2410.900	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.39 15.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2404.50 MHz	--	--	-1.91	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2399.833 MHz	0	--	21.87	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 19:29:17
Ambit temp [°C] humidity [rel%]	23.6 31
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

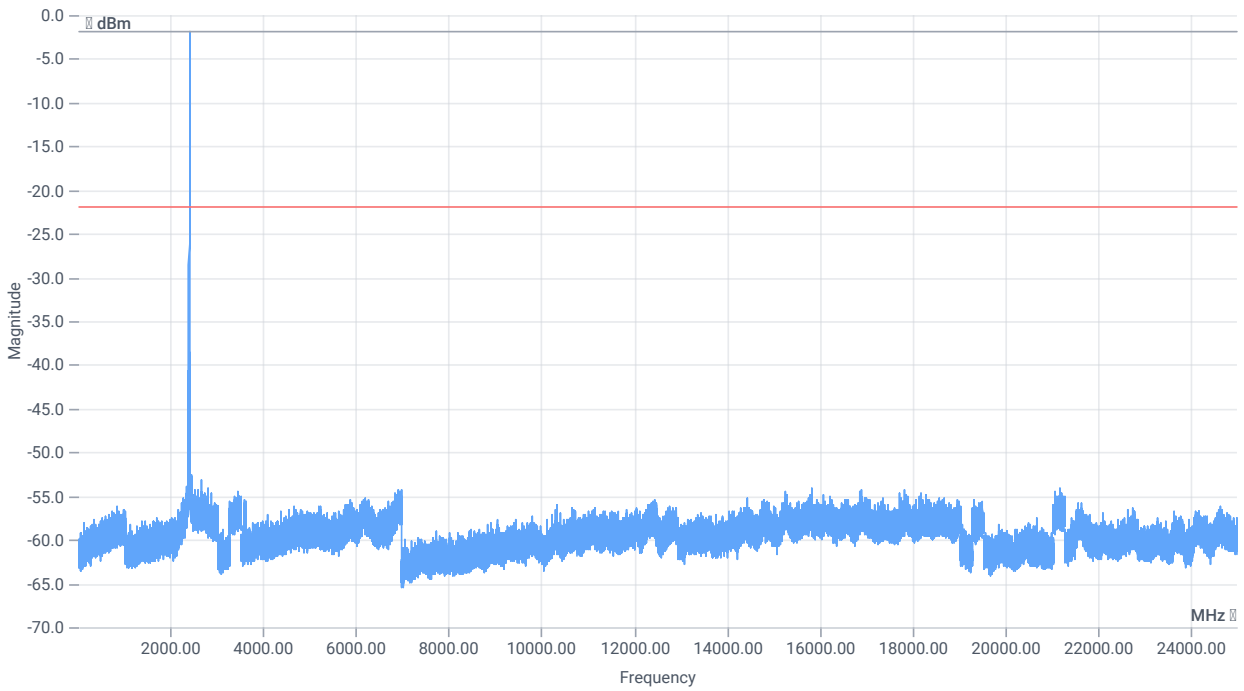
Test Parameter

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.

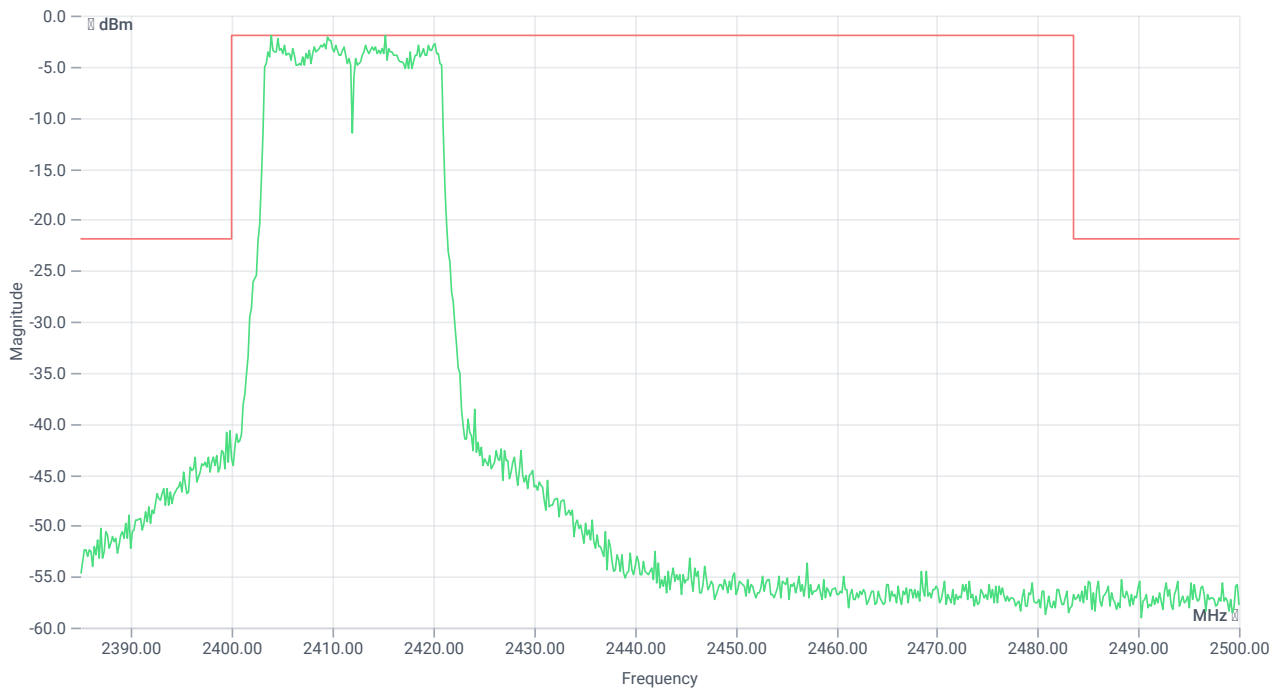
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	8.70	dBm	INFO
Ref. frequency	--	--	2414.100	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.70 15.18 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2403.83 MHz	--	--	-1.92	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2399.833 MHz	0	--	18.77	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 19:45:24
Ambit temp [°C] humidity [rel%]	23.7 31
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

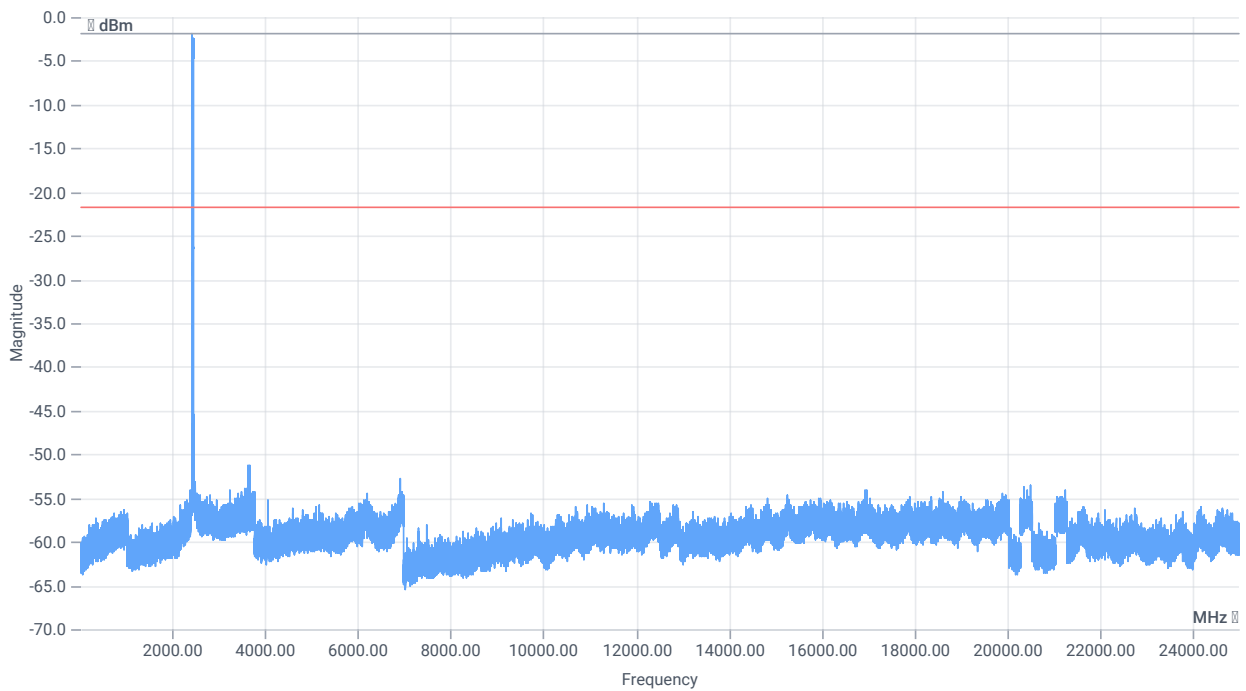
Test Parameter

Technology to test	WLAN2G4 n-HT20 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.	--	--	8.78	dBm	INFO
Ref. frequency	--	--	2441.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.78 15.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2435.50 MHz	--	--	-1.83	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 3648.667 MHz	0	--	29.35	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 20:01:25
Ambit temp [°C] humidity [rel%]	23.6 32
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

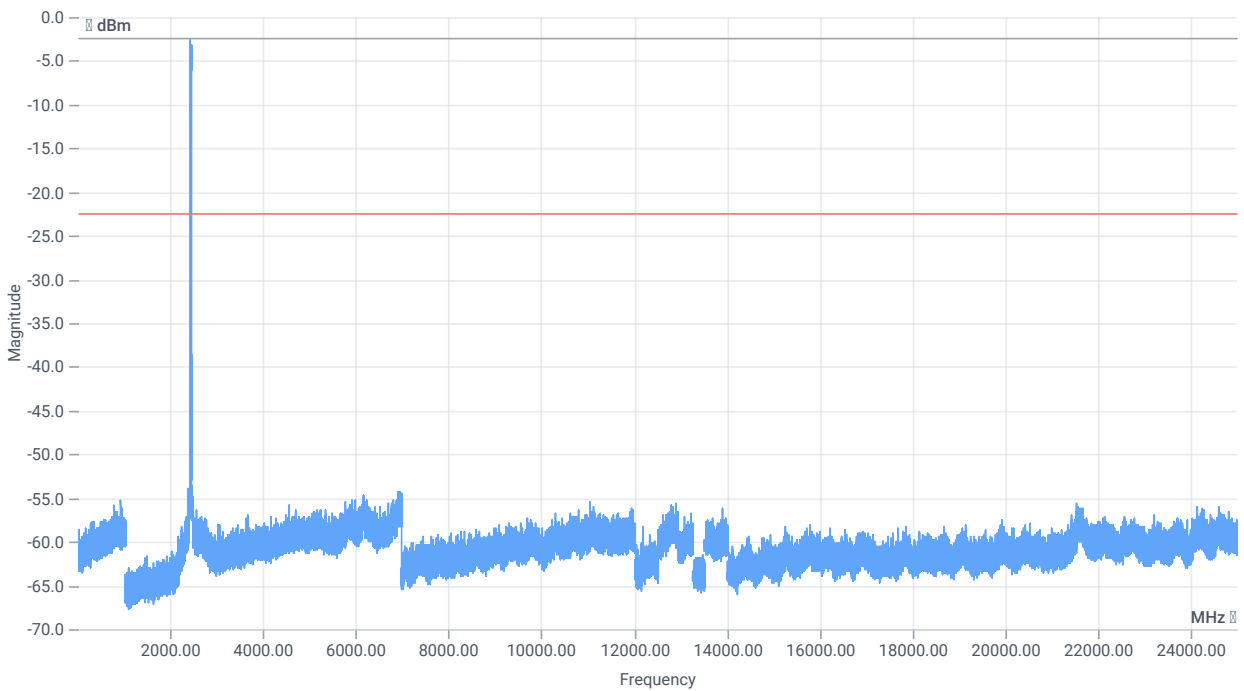
Test Parameter

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.	--	--	7.37	dBm	INFO
Ref. frequency	--	--	2439.900	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.37 15.18 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2429.50 MHz	--	--	-2.42	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2399.5 MHz	0	--	31.57	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 20:17:33
Ambit temp [°C] humidity [rel%]	23.6 32
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

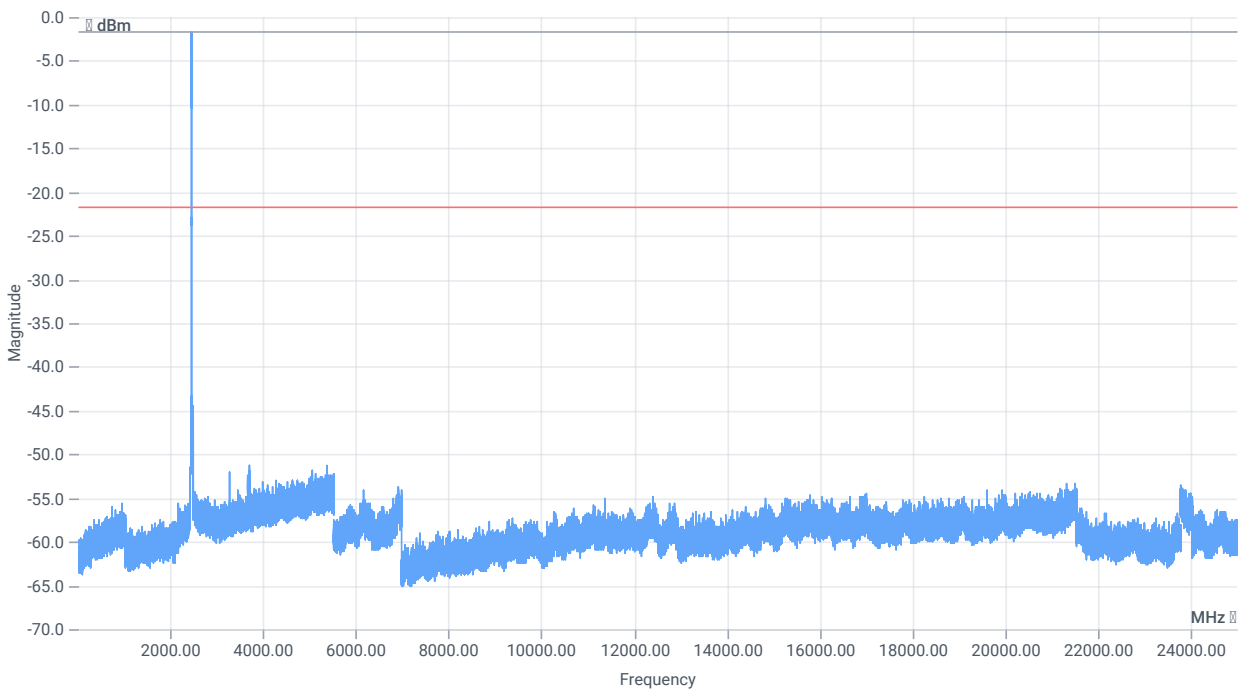
Test Parameter

Technology to test	WLAN2G4 n-HT20 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.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2462 MHz

RESULT: Reference power cond.

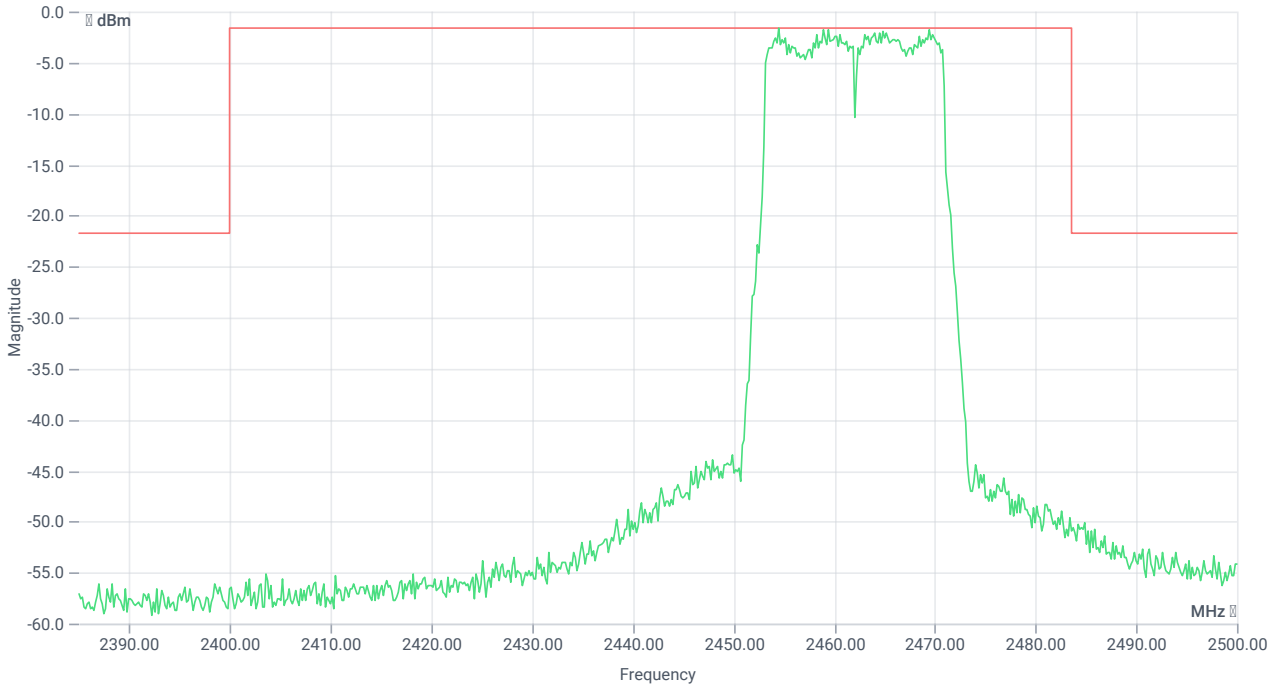
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	9.49	dBm	INFO
Ref. frequency	--	--	2463.800	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.49 15.22 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2454.50 MHz	--	--	-1.67	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 30 MHz	0	--	-137.97	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT20 mode

References

TC start	10.04.2024 20:33:34
Ambit temp [°C] humidity [rel%]	23.5 32
System version	5.0.3.8
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. DTS DTS - WLAN2G4 nHT20_mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

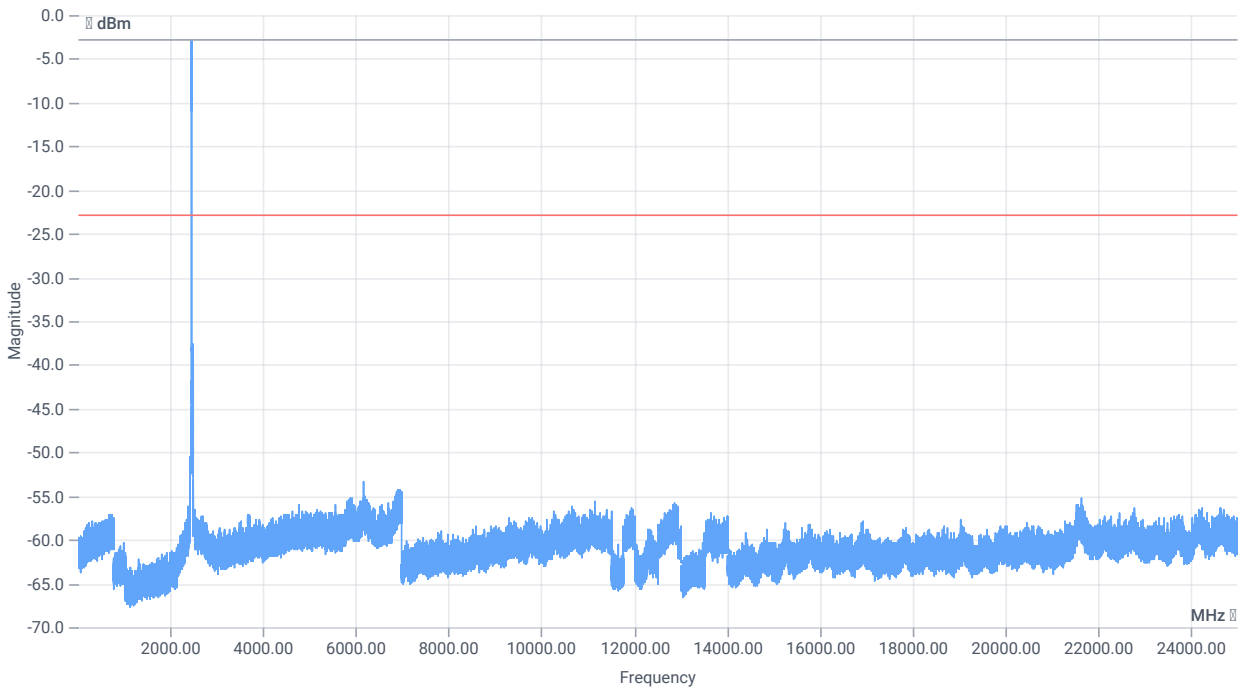
Test Parameter

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.

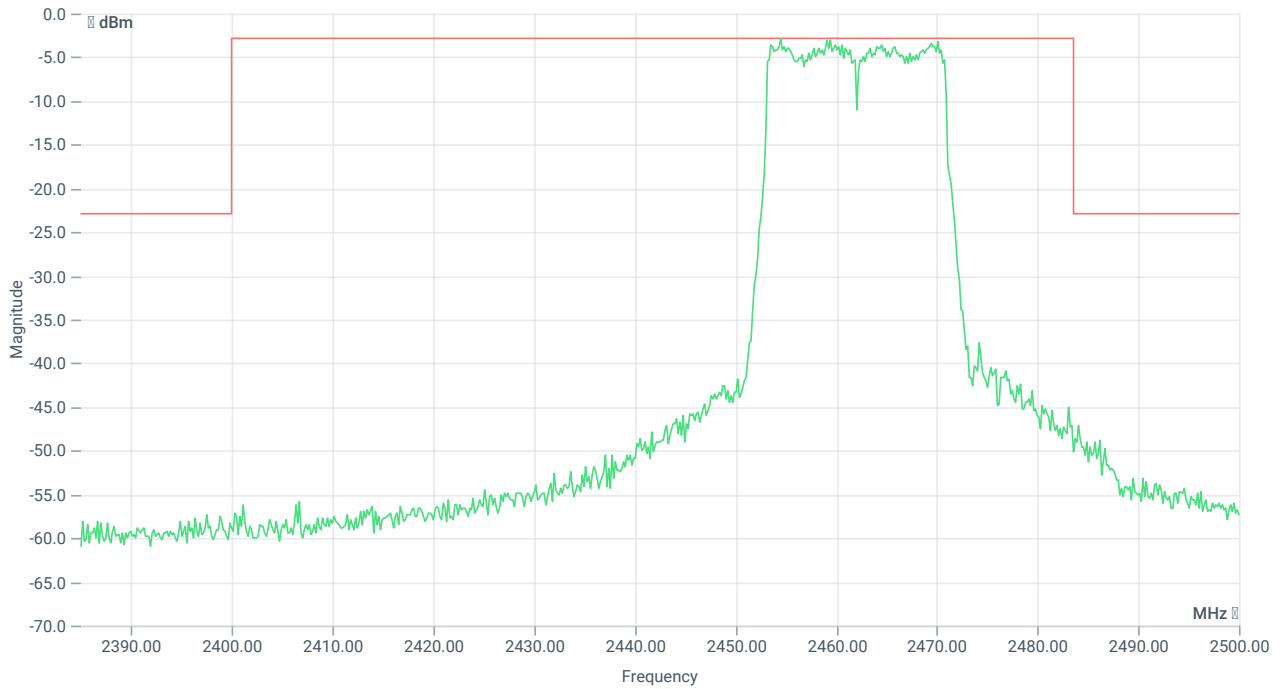
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	7.28	dBm	INFO
Ref. frequency	--	--	2459.800	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.28 15.18 10
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2454.50 MHz	--	--	-2.86	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2484 MHz	0	--	24.18	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 20:49:41
Ambit temp [°C] humidity [rel%]	23.5 33
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

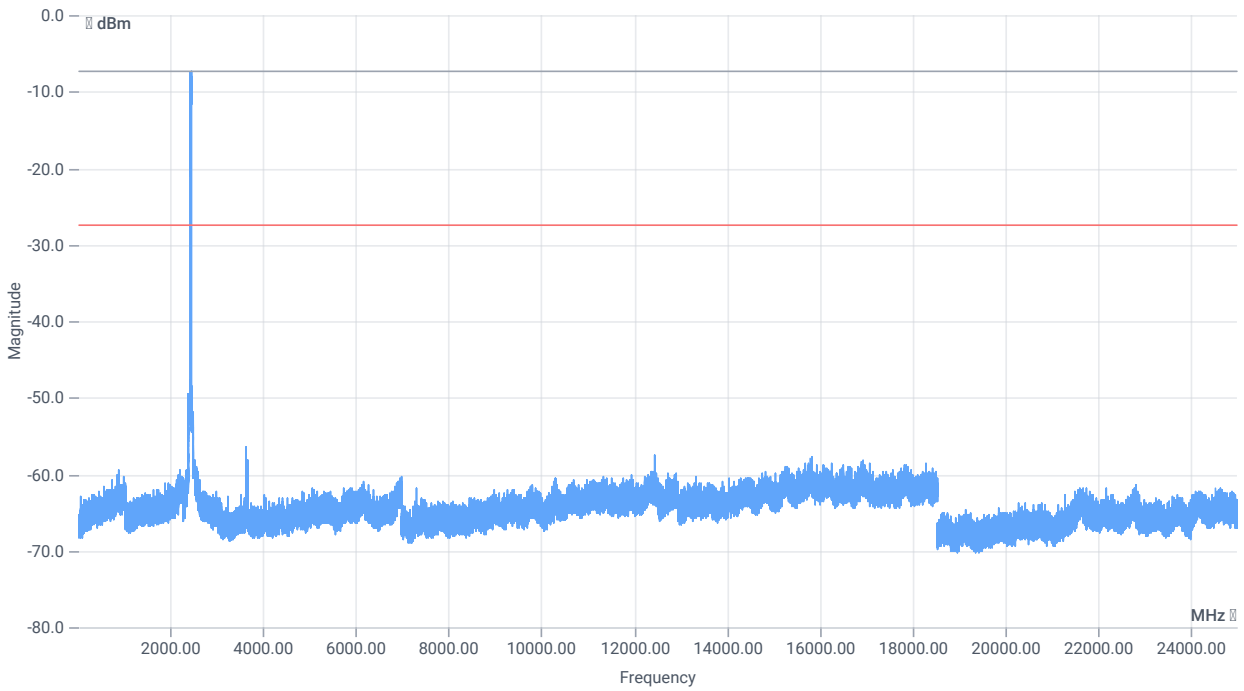
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2422
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2452
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 2422 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.26	dBm	INFO
Ref. frequency	--	--	2417.100	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.26 15.22 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2447.00 MHz	--	--	-7.43	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 30 MHz	0	--	-134.39	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 21:05:40
Ambit temp [°C] humidity [rel%]	23.5 33
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

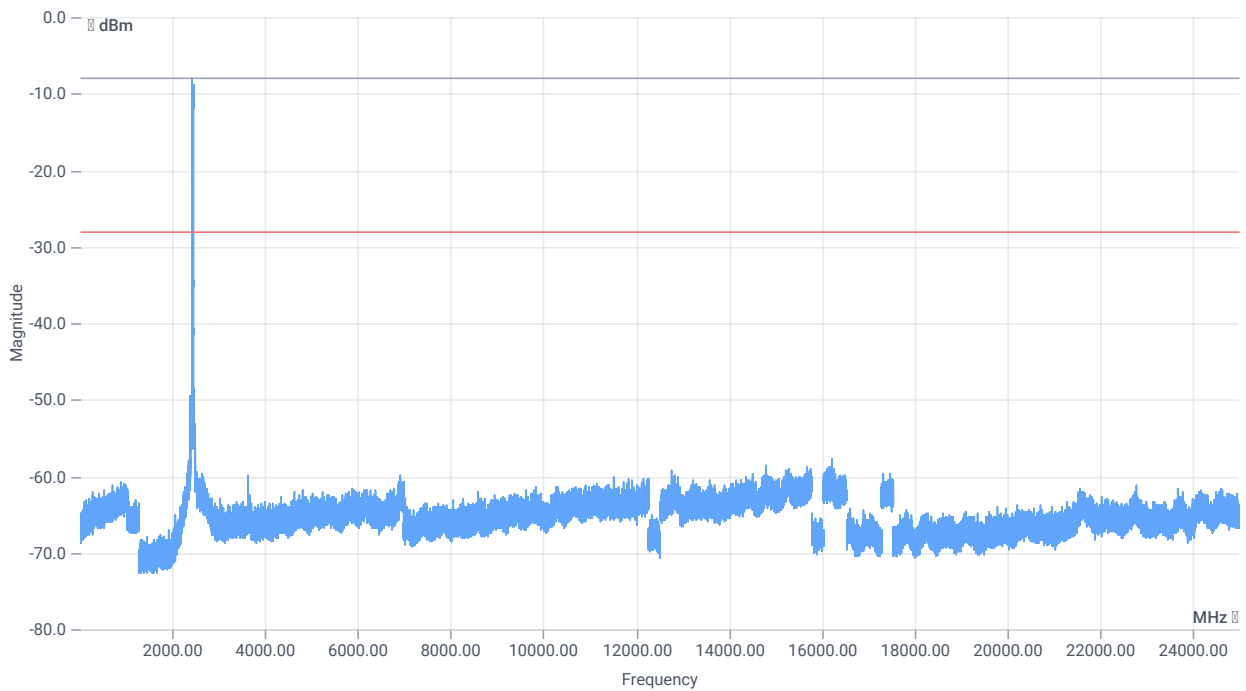
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2422
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2452
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 2422 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	2.65	dBm	INFO
Ref. frequency	--	--	2418.000	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	2.65 15.18 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2425.50 MHz	--	--	-8.02	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2396.667 MHz	0	--	21.55	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 21:21:47
Ambit temp [°C] humidity [rel%]	23.0 33
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

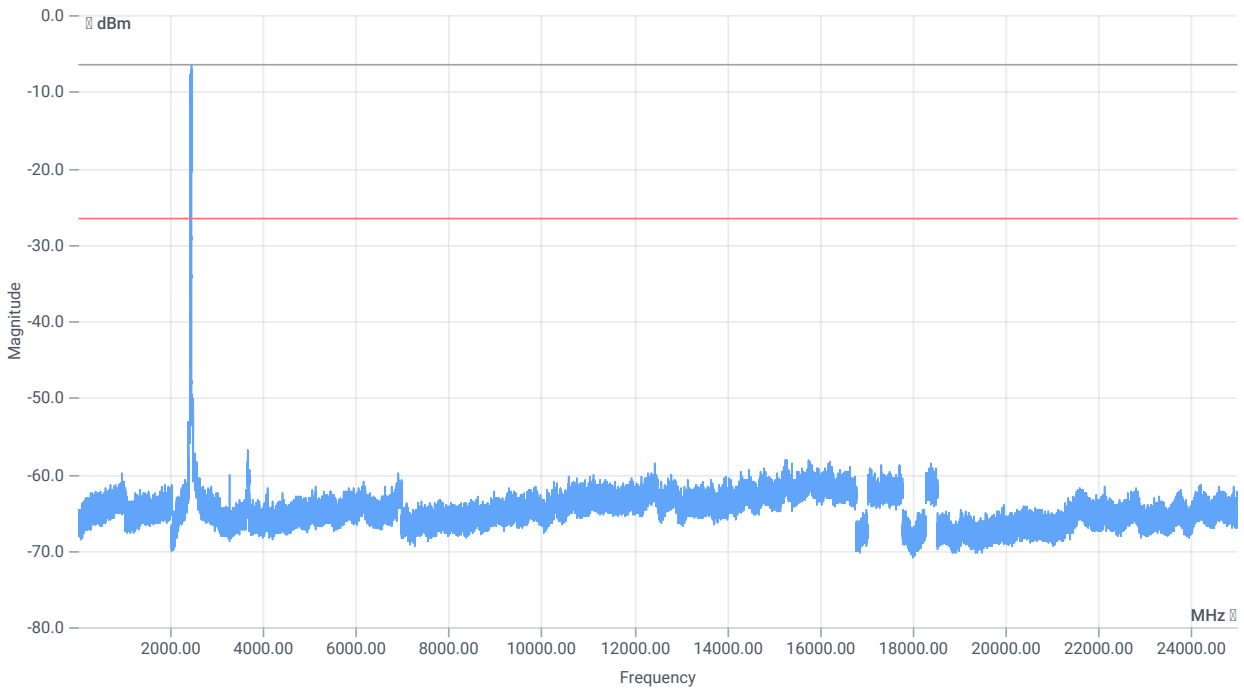
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2422
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2452
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.	--	--	3.08	dBm	INFO
Ref. frequency	--	--	2451.890	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.08 15.22 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2463.00 MHz	--	--	-6.59	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2484.833 MHz	0	--	26.02	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 21:37:47
Ambit temp [°C] humidity [rel%]	22.6 34
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

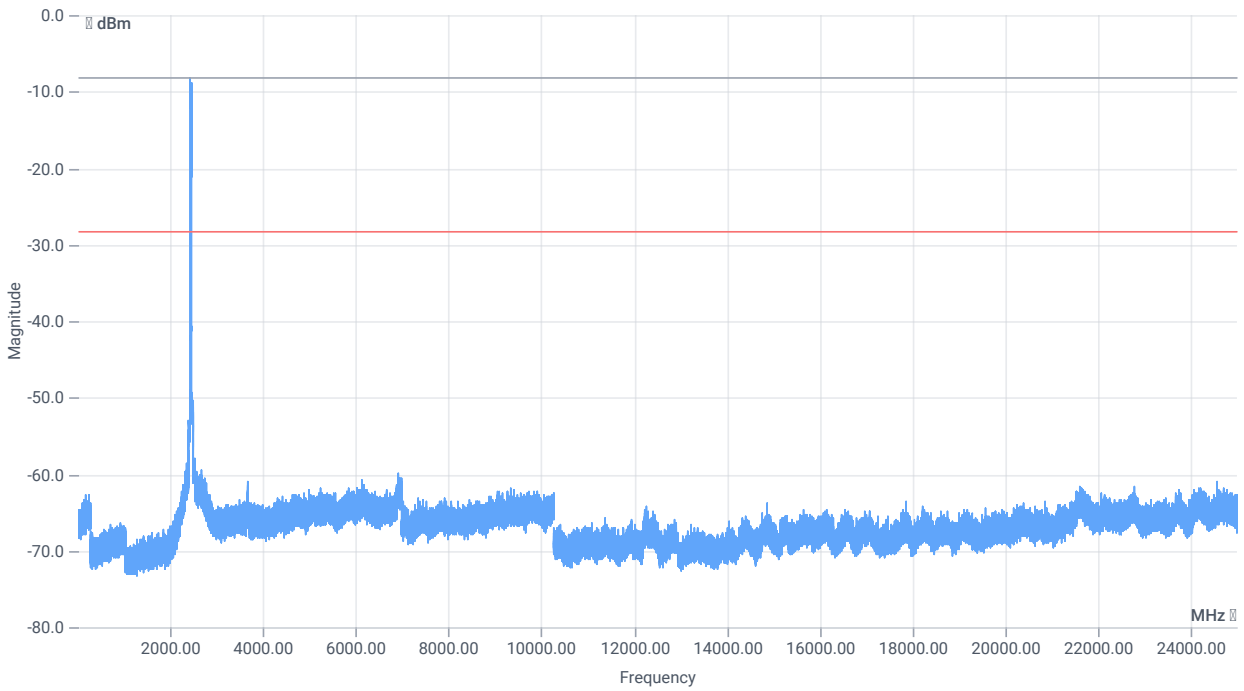
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2422
Frequency mid to test	True Freq [MHz] 2437
Frequency high to test	False Freq [MHz] 2452
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.	--	--	1.57	dBm	INFO
Ref. frequency	--	--	2462.570	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.57 15.18 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2432.00 MHz	--	--	-8.32	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2486.333 MHz	0	--	23.3	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 21:53:53
Ambit temp [°C] humidity [rel%]	23.6 33
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

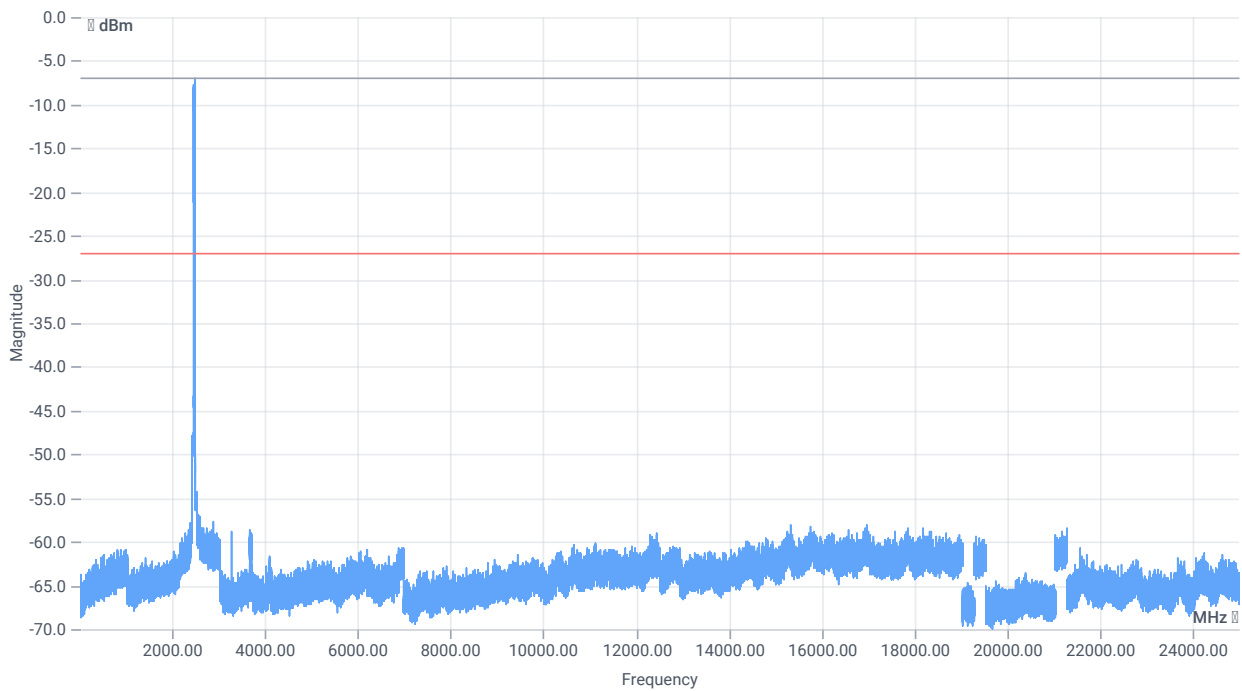
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2422
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2452
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.MPSIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2452 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	3.52	dBm	INFO
Ref. frequency	--	--	2478.070	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.52 15.22 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2476.67 MHz	--	--	-6.98	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 30 MHz	0	--	-133.64	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 n-HT40 mode

References

TC start	10.04.2024 22:09:53
Ambit temp [°C] humidity [rel%]	23.7 33
System version	5.0.3.8
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. DTS DTS - WLAN2G4 n-HT40 mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

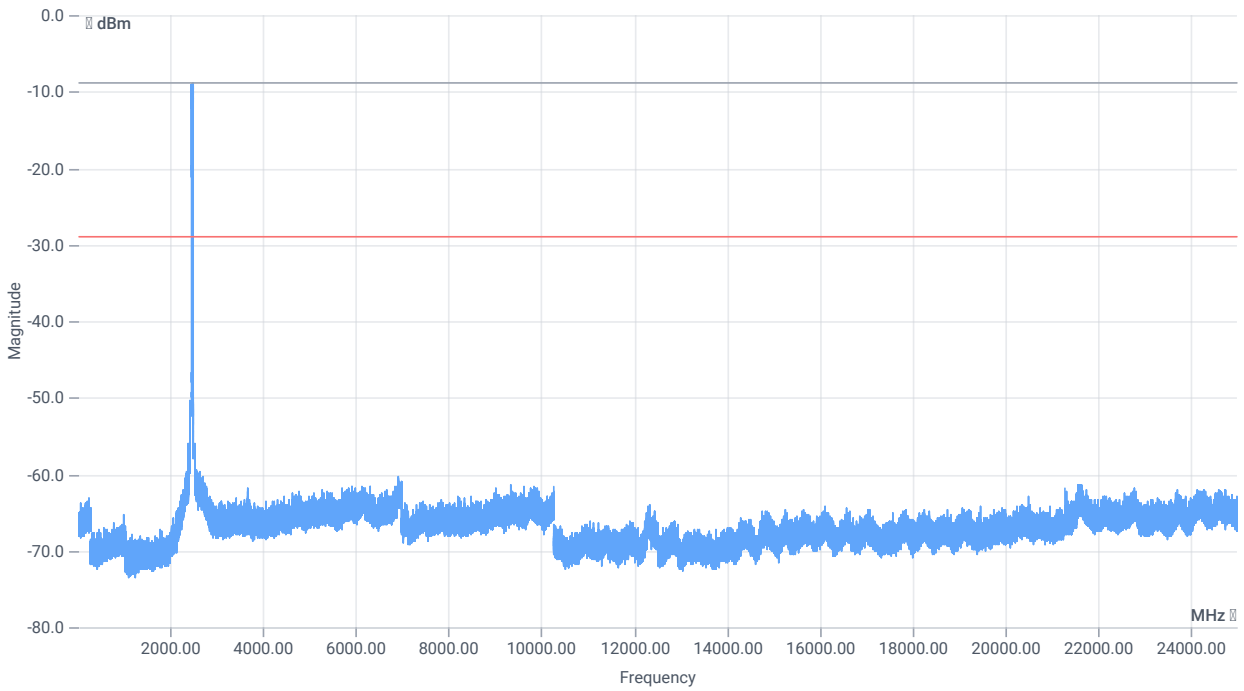
Test Parameter

Technology to test	WLAN2G4 n-HT40 mode
EUT port	EUT2
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2422
Frequency mid to test	False Freq [MHz] 2437
Frequency high to test	True Freq [MHz] 2452
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 2452 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	1.55	dBm	INFO
Ref. frequency	--	--	2445.910	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	1.55 15.18 5
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2477.33 MHz	--	--	-8.95	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2483.667 MHz	0	--	18.13	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 b mode

References

TC start	11.04.2024 09:03:24
Ambit temp [°C] humidity [rel%]	23.2 34
System version	5.0.3.8
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. DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

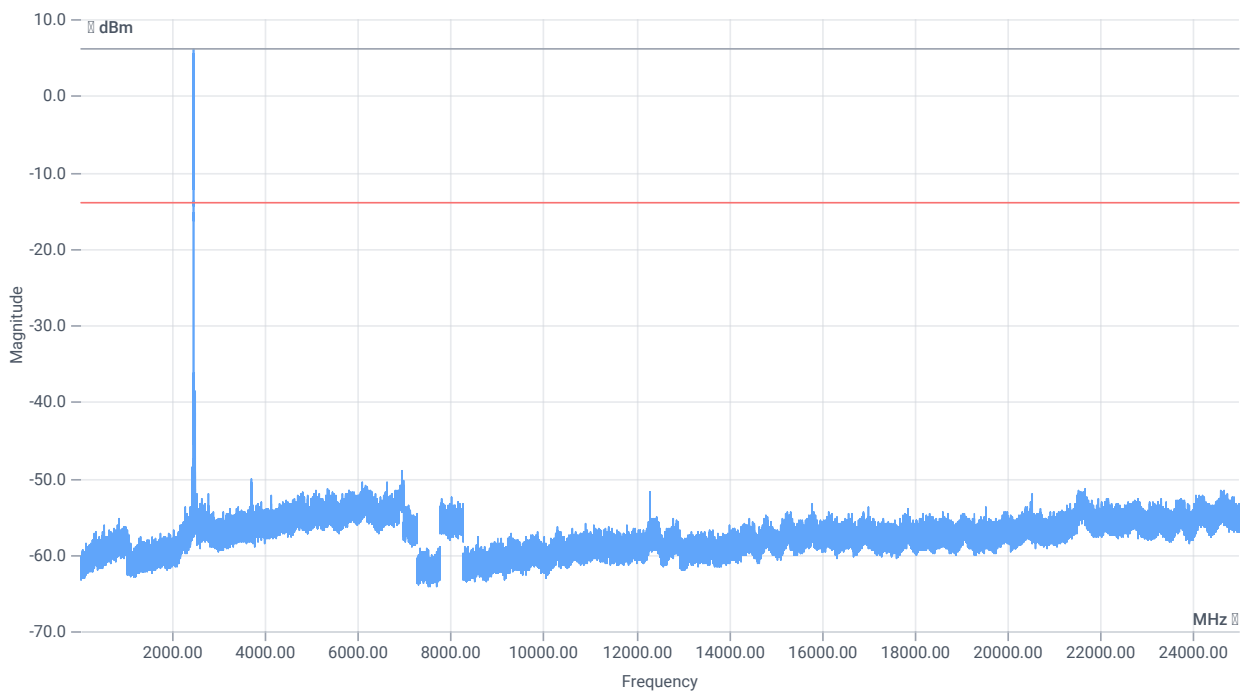
Test Parameter

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.

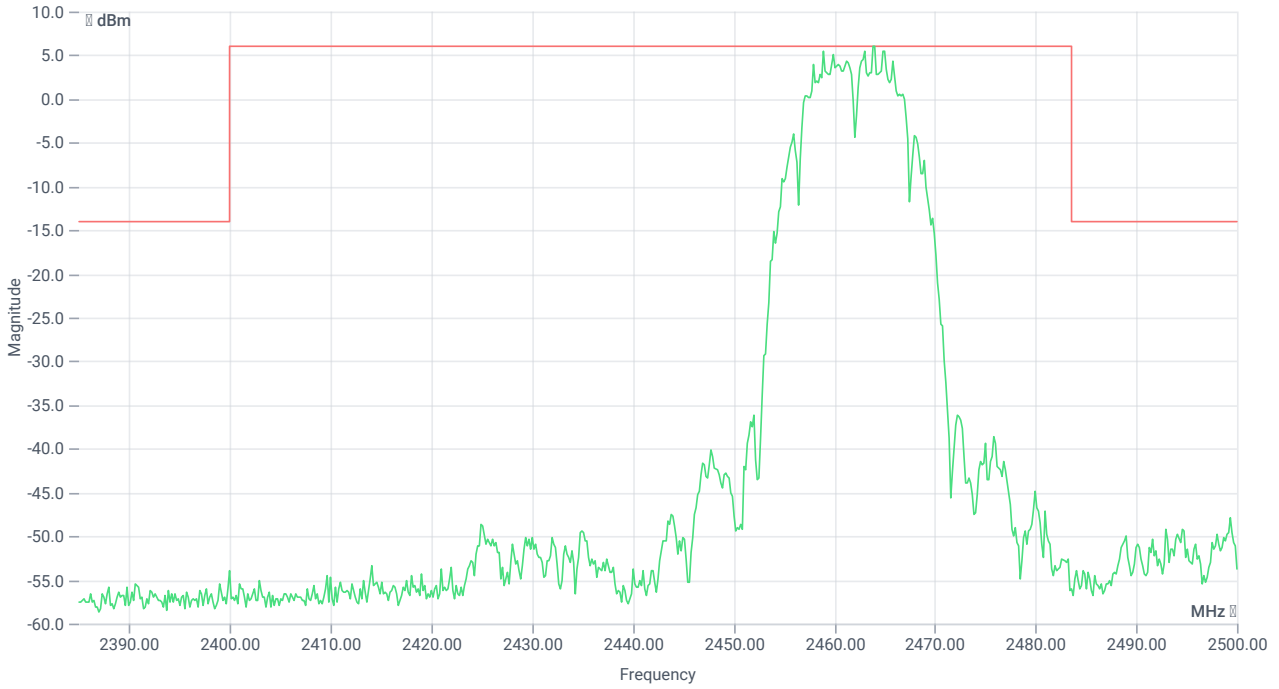
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	10.32	dBm	INFO
Ref. frequency	--	--	2460.600	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	10.32 15.18 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2464.00 MHz	--	--	6.07	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2499.333 MHz	0	--	33.9	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 20dBc ~ WLAN2G4 b mode

References

TC start	11.04.2024 08:47:38
Ambit temp [°C] humidity [rel%]	24.2 32
System version	5.0.3.8
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. DTS - WLAN2G4 b mode
Information	

EUT Common Settings WLAN2G4

Number of antenna ports	2
User interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

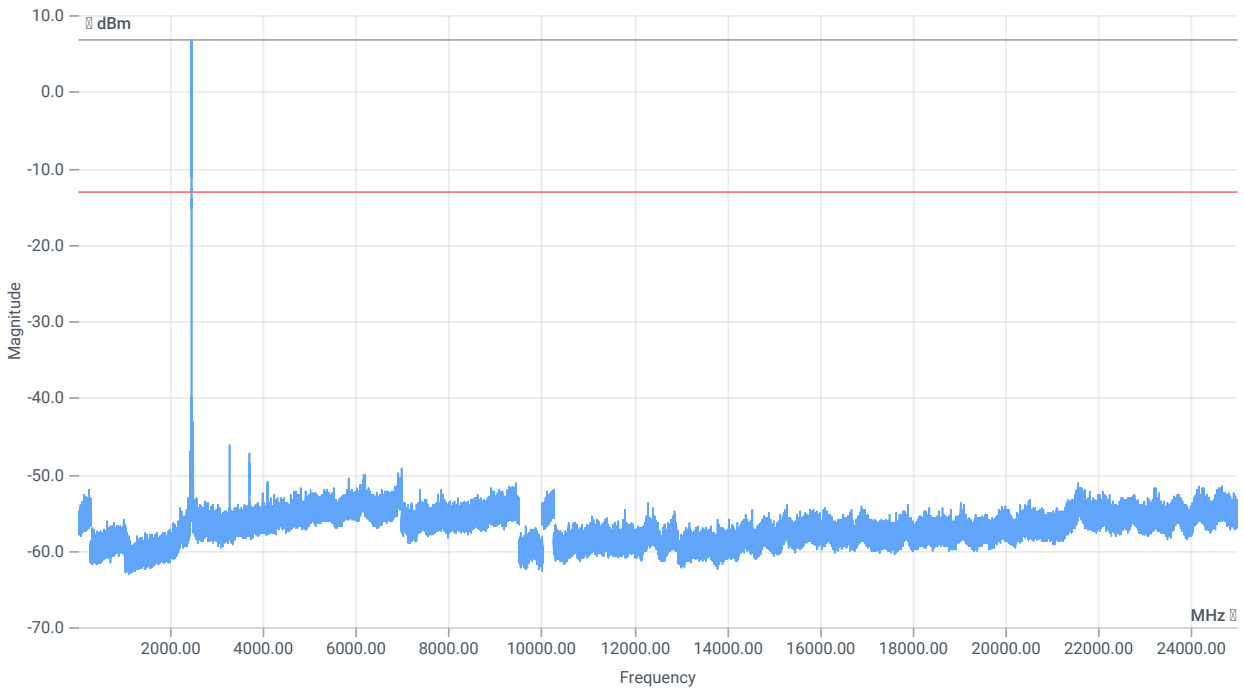
Test Parameter

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.

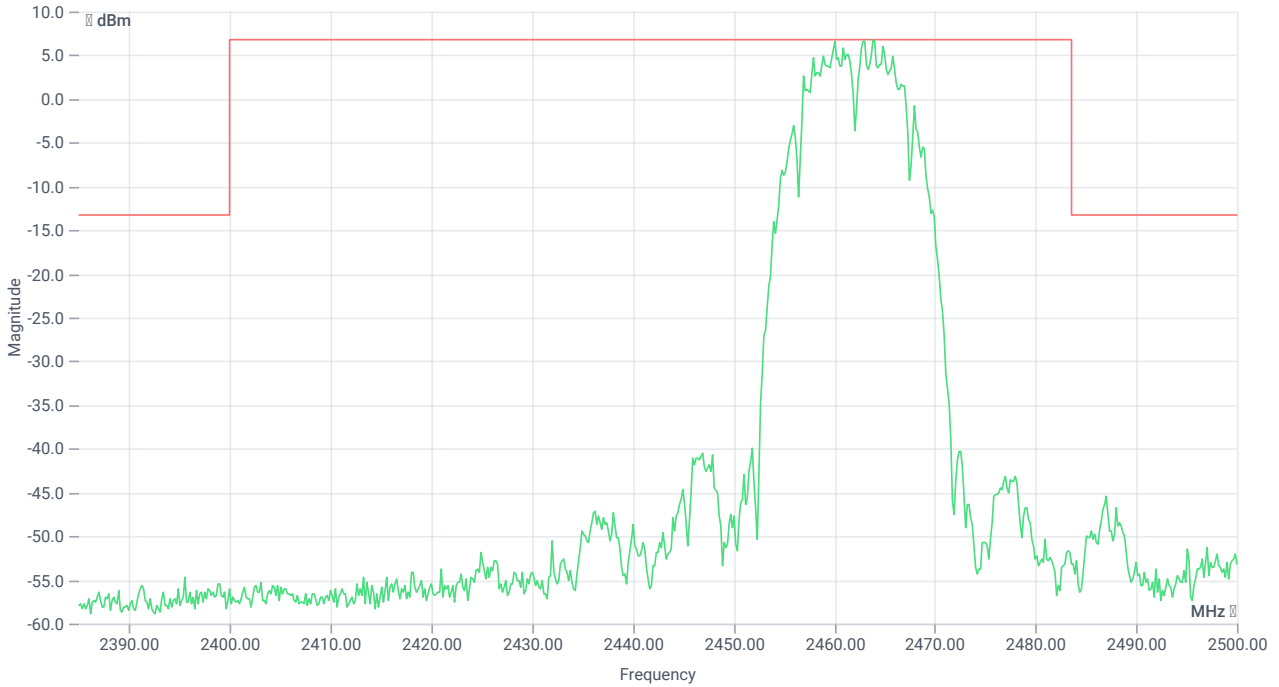
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	--	--	11.11	dBm	INFO
Ref. frequency	--	--	2463.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.11 15.22 15
Start [MHz] Stop [MHz]	24780.000 25000.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS 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 @ 2463.83 MHz	--	--	6.82	dBm	INFO
No peaks detected	--	--			PASS
Lowest margin to limit 2487 MHz	0	--	32.23	dB	INFO

Verdict

PASS

- END OF DOCUMENT -