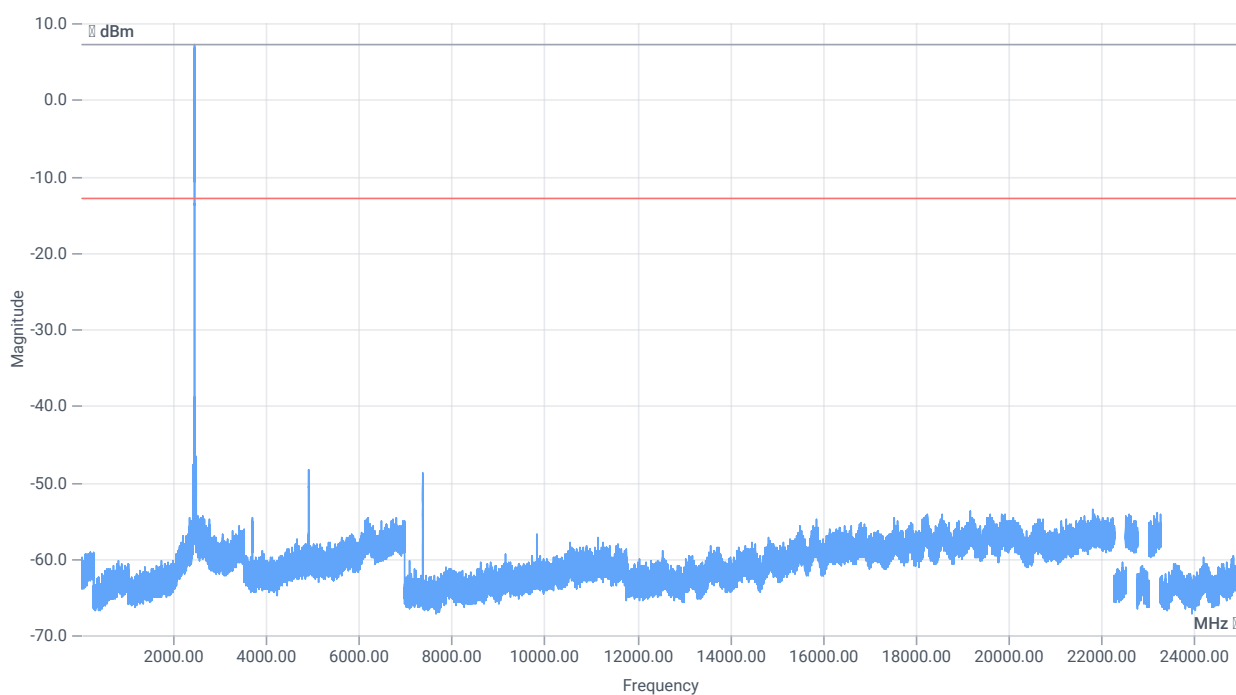


Test at TX 2462 MHz

RESULT: Reference power cond.

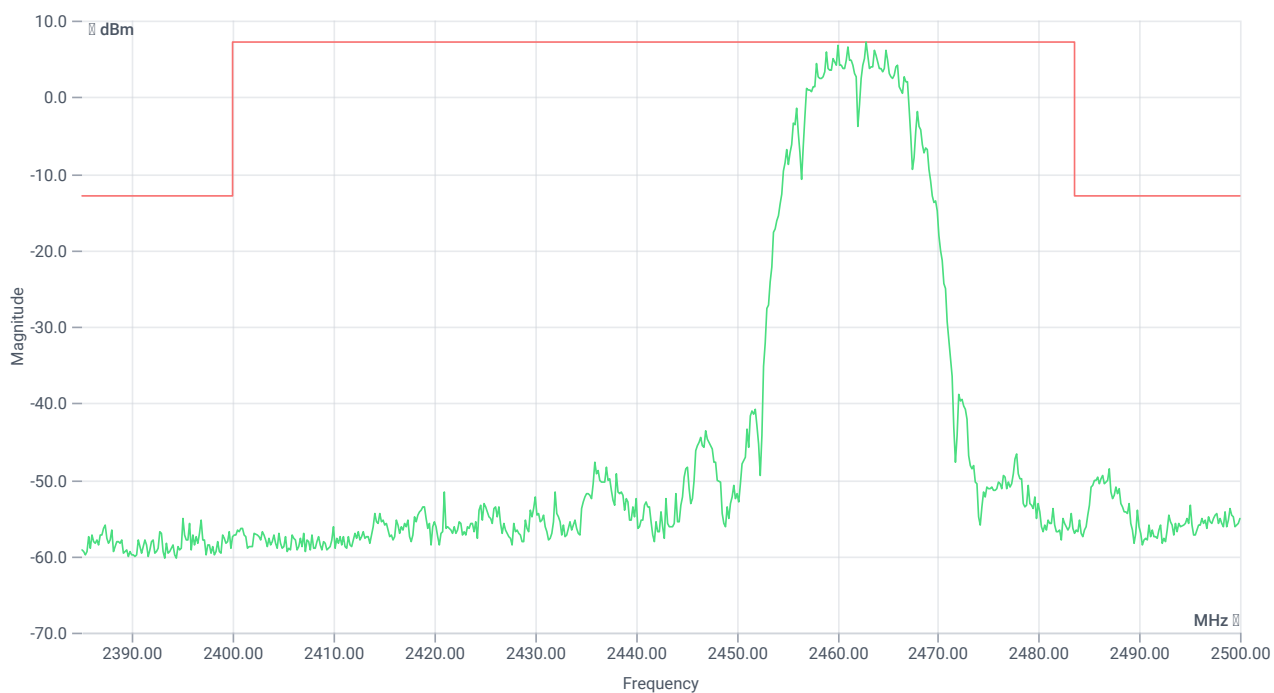
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.19	dBm	INFO
Ref. frequency	---	---	2463.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.19 22.08 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2462.83 MHz	---	---	7.13	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 4924 MHz	0	---	35.41	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 09:31:13
Ambit temp [°C] humidity [rel%]	24.3 35
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

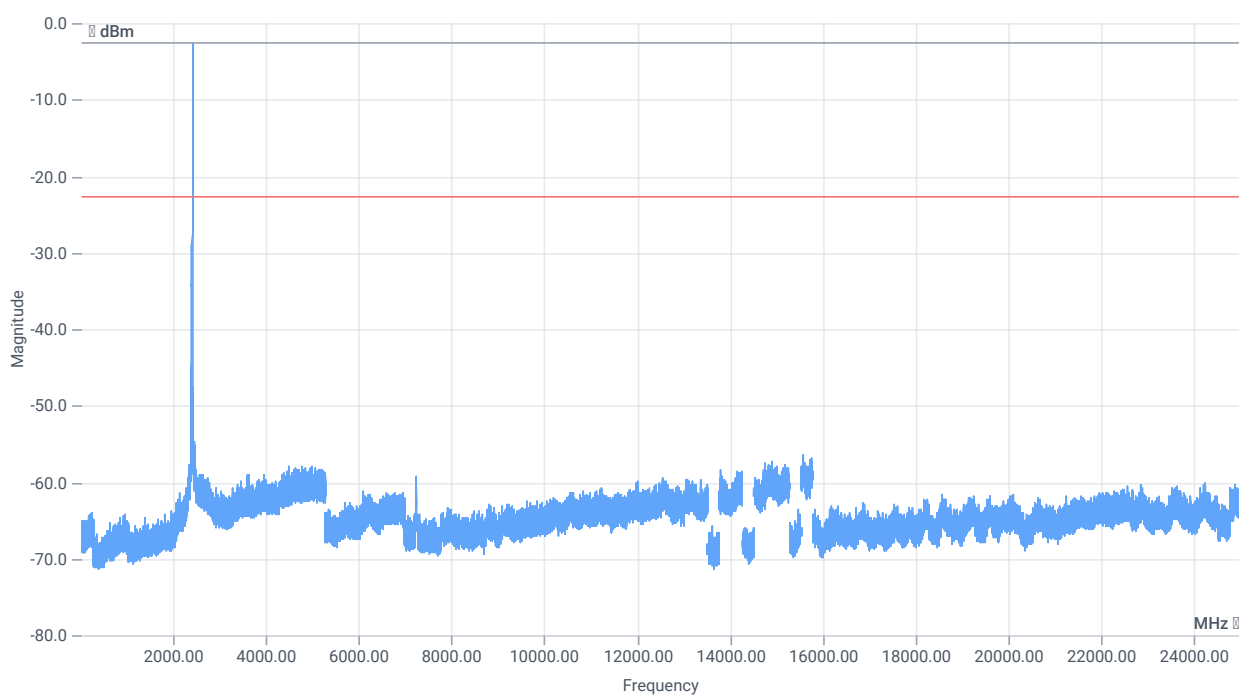
Test Parameter

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.	---	---	7.39	dBm	INFO
Ref. frequency	---	---	2419.190	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.39 22.08 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2415.17 MHz	---	---	-2.63	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.5 MHz	0	---	22.27	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 09:49:17
Ambit temp [°C] humidity [rel%]	24.3 35
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

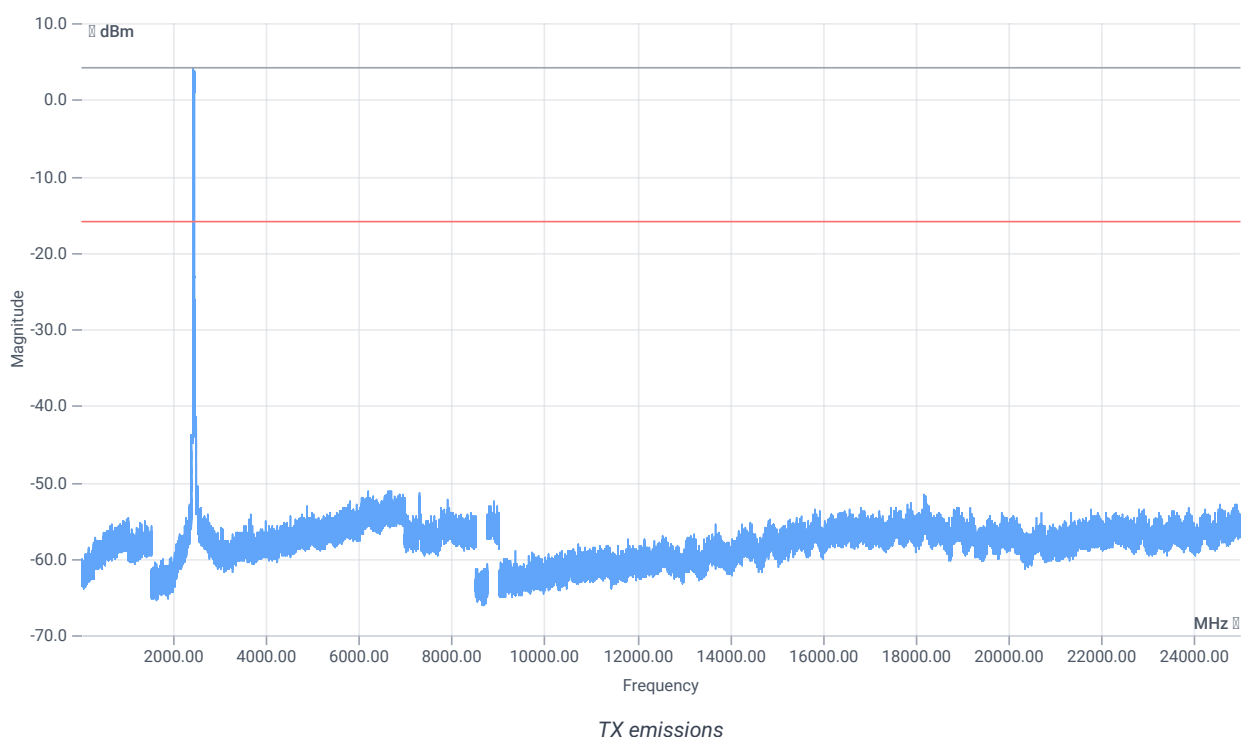
Test Parameter

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.	---	---	14.30	dBm	INFO
Ref. frequency	---	---	2439.500	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.30 22.08 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2429.50 MHz	---	---	4.15	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2398.167 MHz	0	---	28.14	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 10:06:50
Ambit temp [°C] humidity [rel%]	24.4 34
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

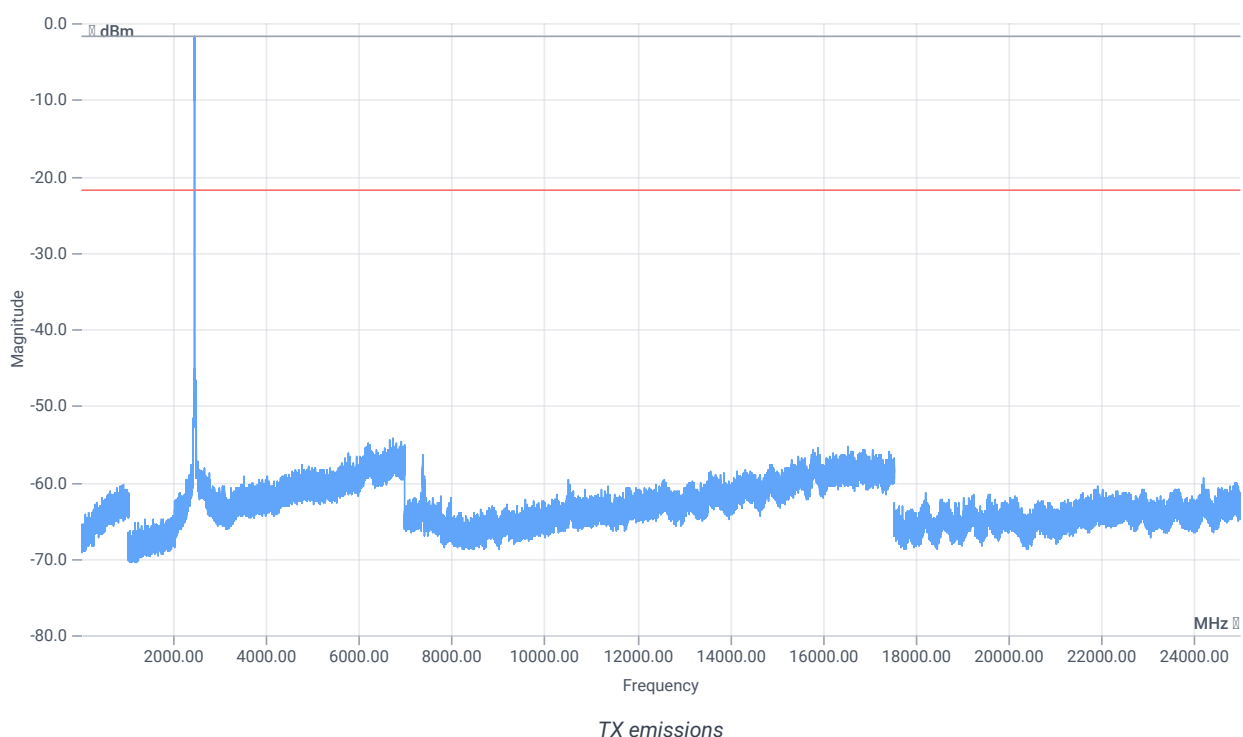
Test Parameter

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

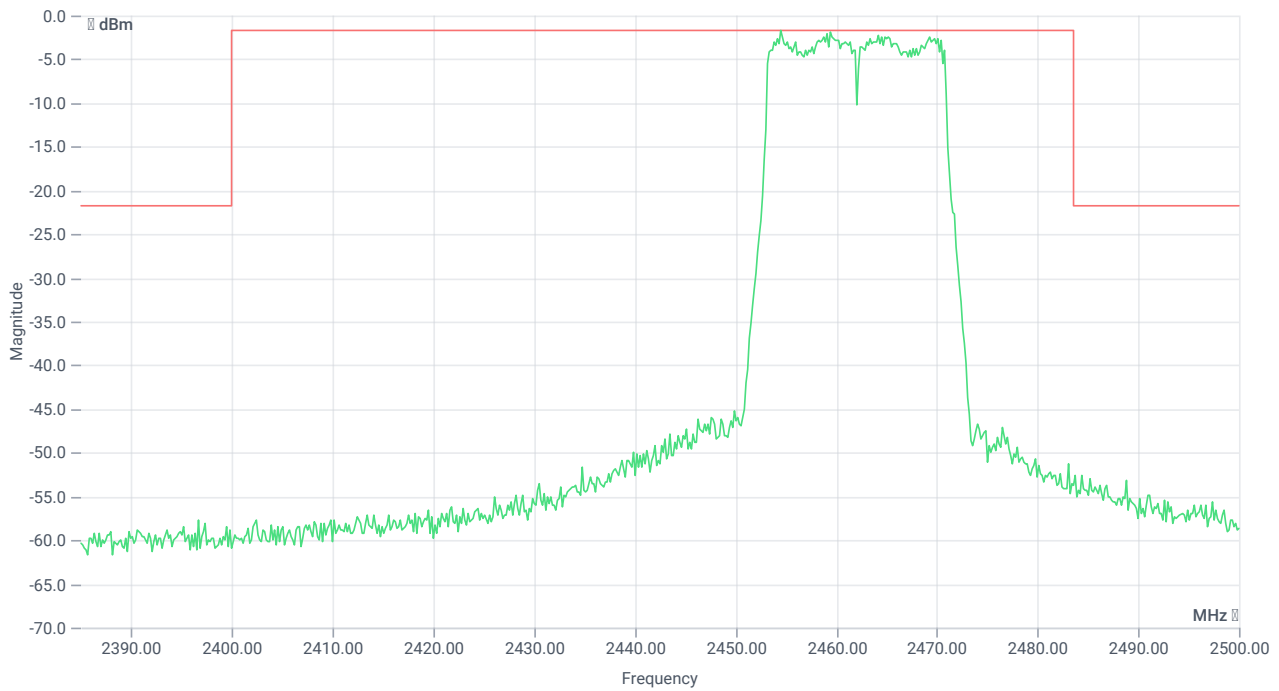
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.71	dBm	INFO
Ref. frequency	---	---	2463.000	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.71 22.08 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2454.50 MHz	---	---	-1.78	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.667 MHz	0	---	30.84	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 09:35:10
Ambit temp [°C] humidity [rel%]	23.3 36
System version	5.0.5.0
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	Yes

Equipment

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

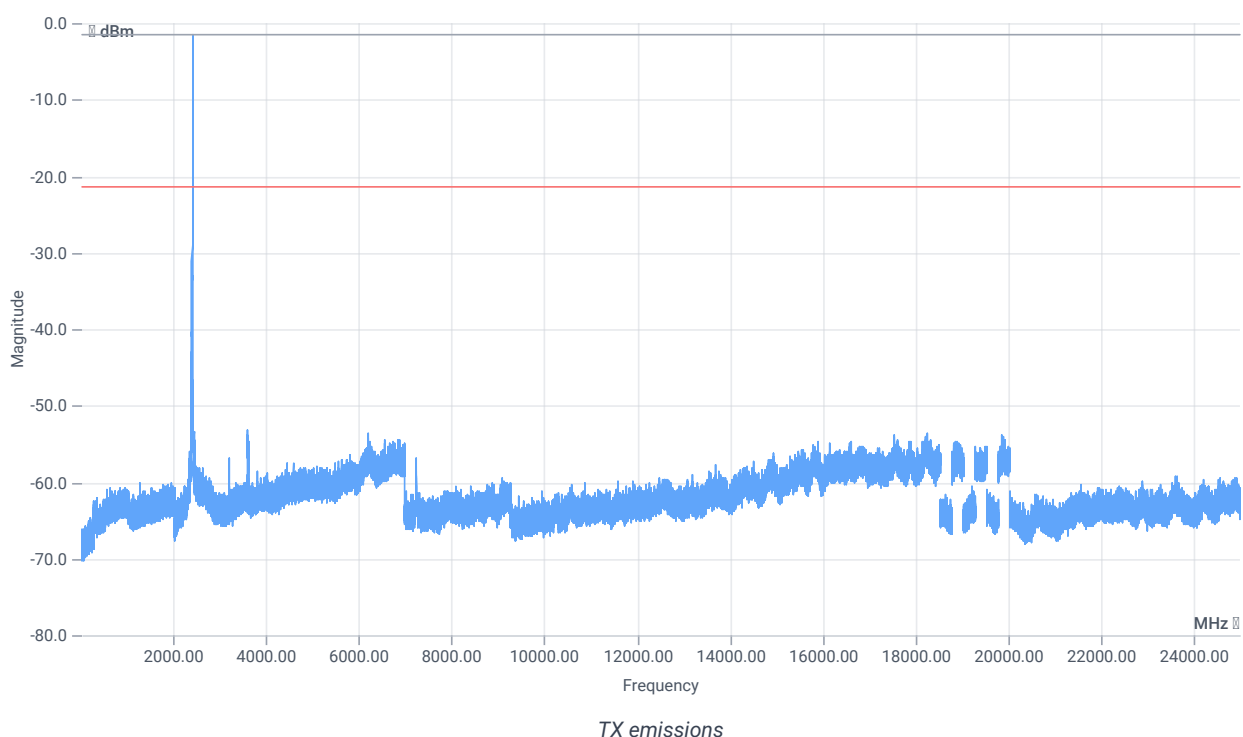
Test Parameter

Technology to test	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

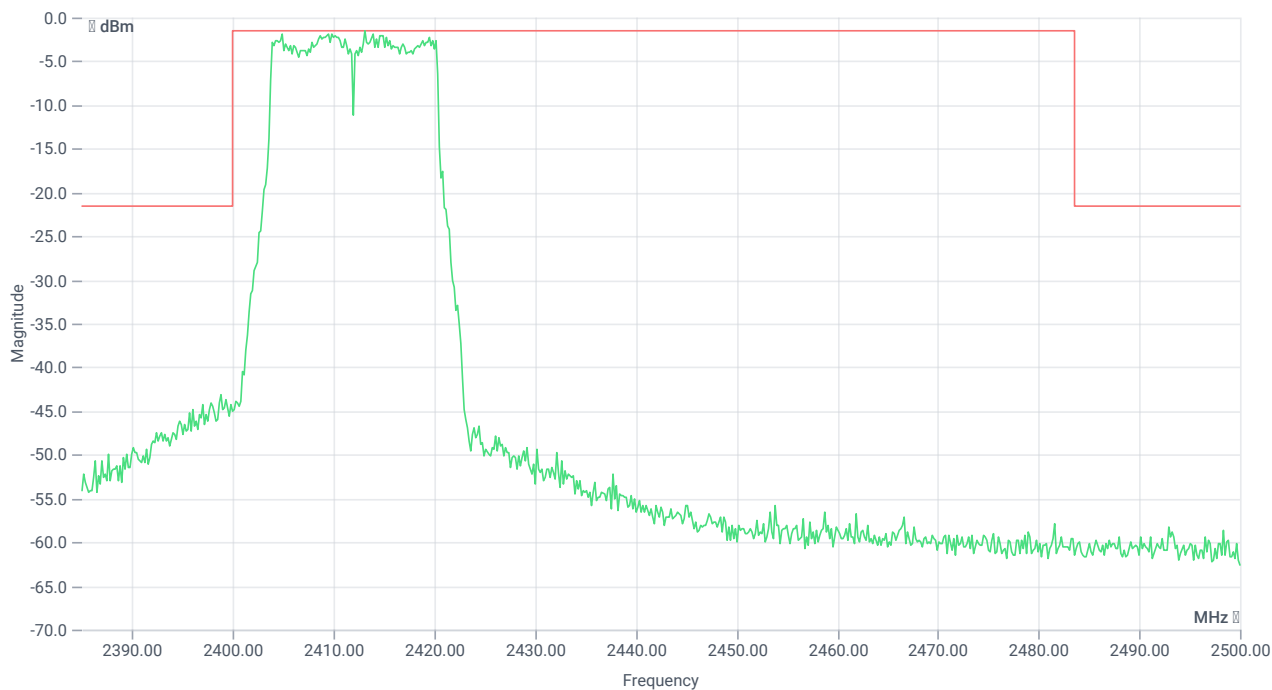
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	9.92	dBm	INFO
Ref. frequency	---	---	2414.100	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	9.92 22.67 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2413.17 MHz	---	---	-1.51	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2398.833 MHz	0	---	21.56	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 09:55:37
Ambit temp [°C] humidity [rel%]	23.6 36
System version	5.0.5.0
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	Yes

Equipment

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

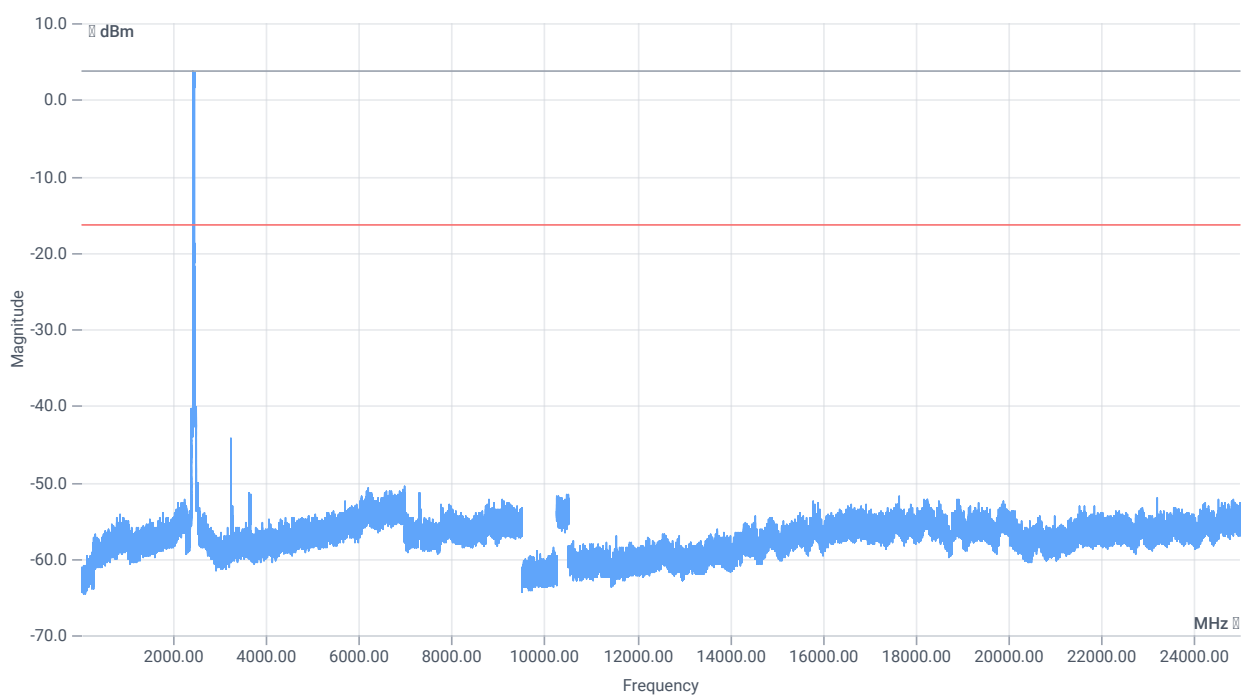
Test Parameter

Technology to test	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.

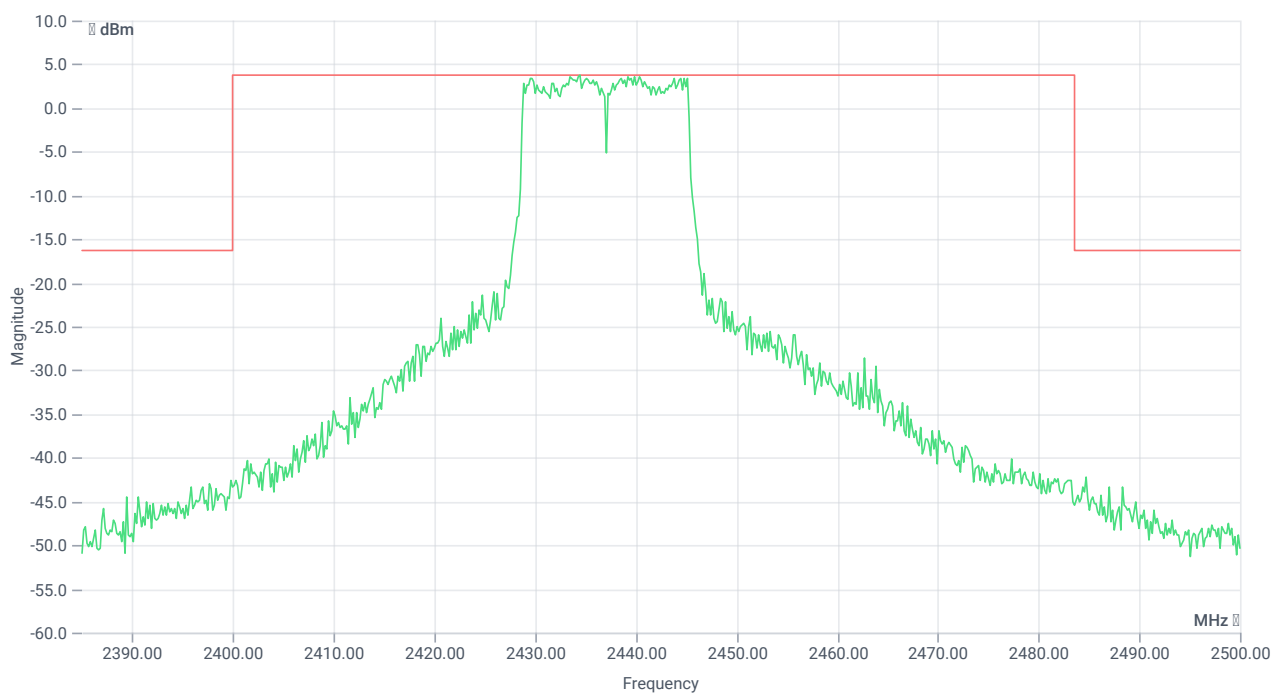
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.35	dBm	INFO
Ref. frequency	---	---	2439.700	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.35 22.67 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 @ 2434.50 MHz	---	---	3.68	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-137.98	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 10:13:16
Ambit temp [°C] humidity [rel%]	23.7 36
System version	5.0.5.0
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	Yes

Equipment

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

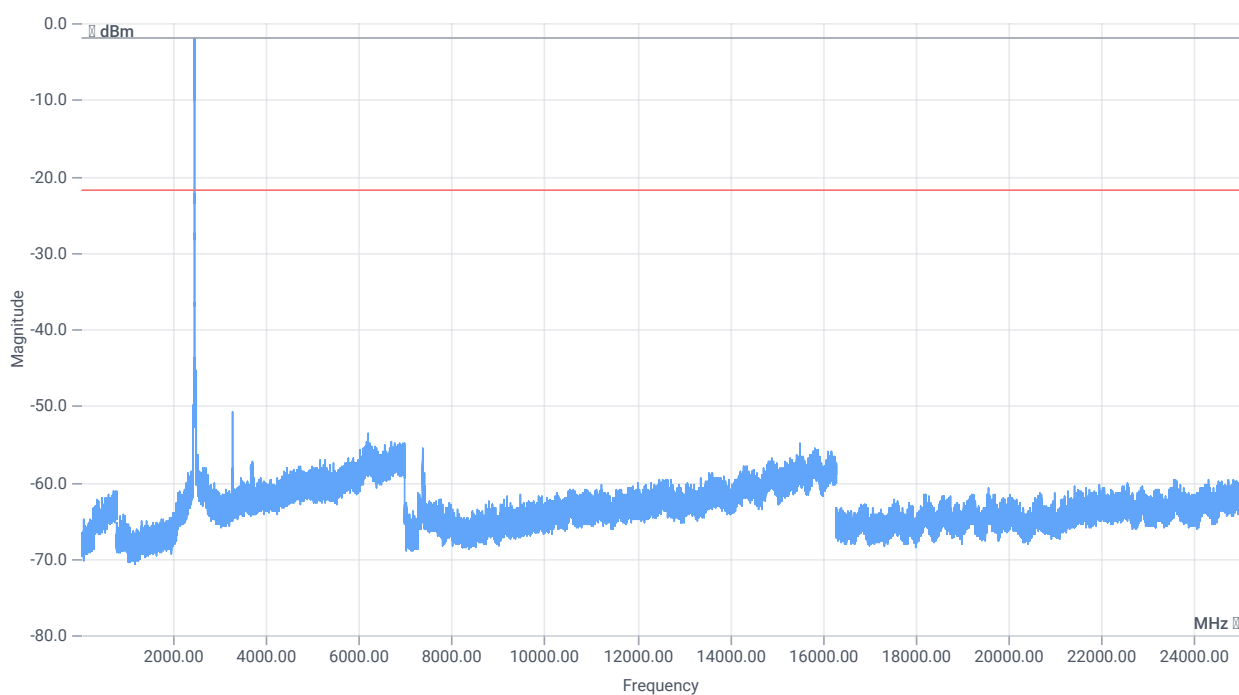
Test Parameter

Technology to test	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.

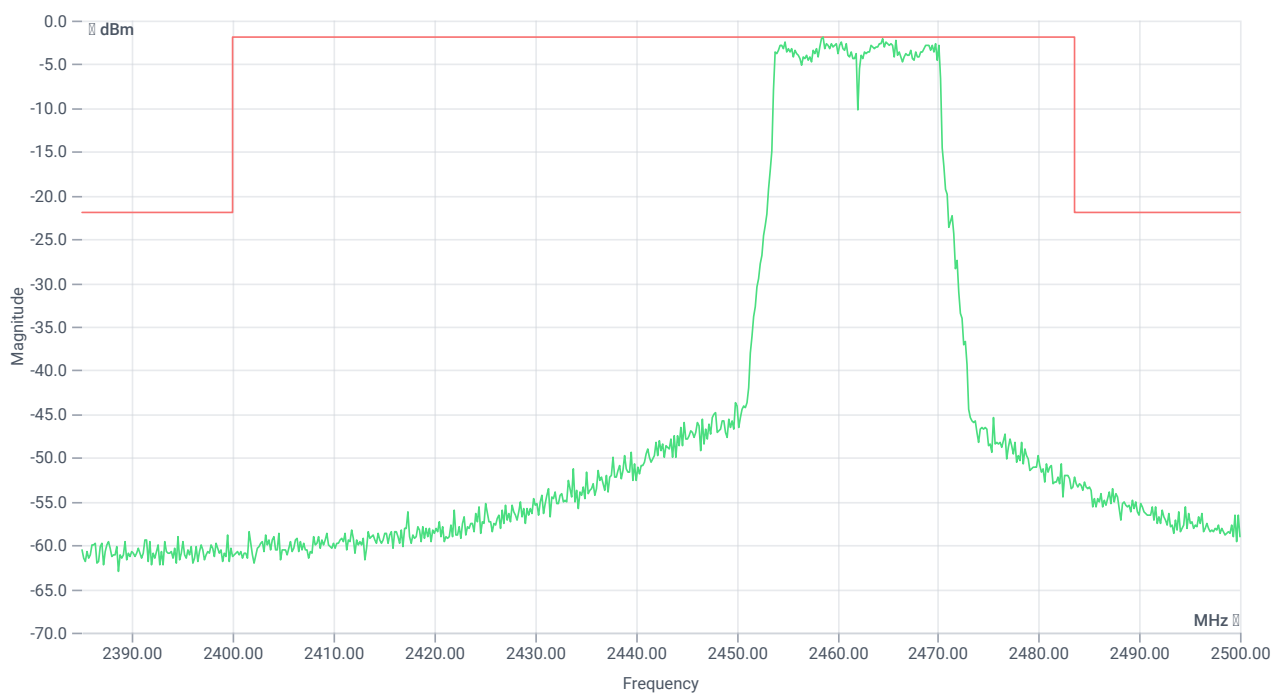
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.66	dBm	INFO
Ref. frequency	---	---	2458.700	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.66 22.67 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2458.67 MHz	---	---	-1.89	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-132.74	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 12:11:42
Ambit temp [°C] humidity [rel%]	24.3 33
System version	5.0.5.0
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	Yes

Equipment

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

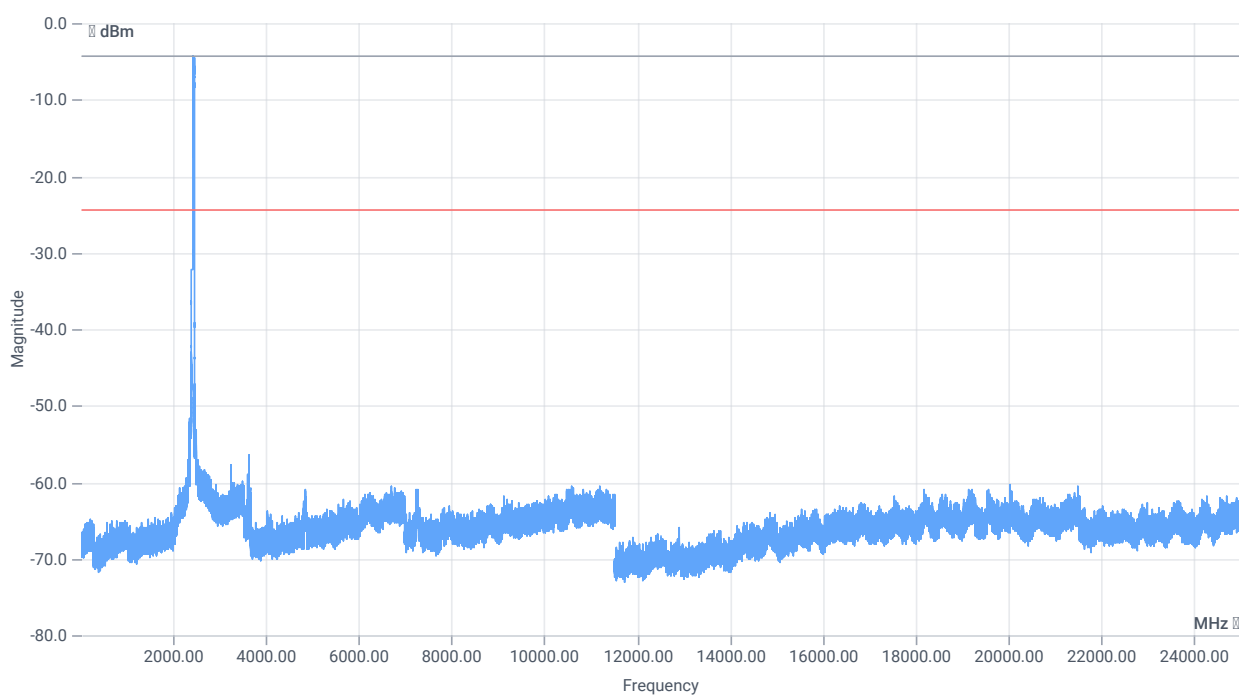
Test Parameter

Technology to test	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.	---	---	6.24	dBm	INFO
Ref. frequency	---	---	2438.780	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	6.24 22.67 0
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 @ 2436.67 MHz	---	---	-4.39	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.667 MHz	0	---	18.66	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 12:30:52
Ambit temp [°C] humidity [rel%]	24.4 33
System version	5.0.5.0
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	Yes

Equipment

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

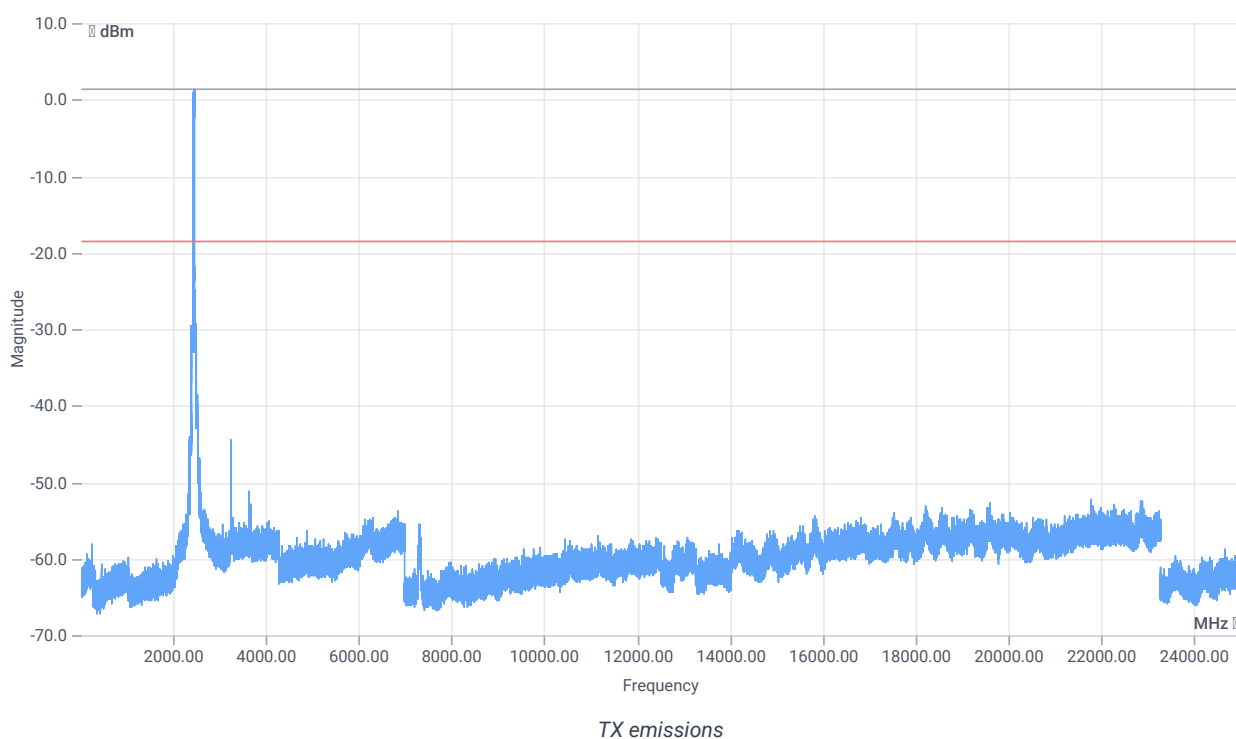
Test Parameter

Technology to test	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.	---	---	12.13	dBm	INFO
Ref. frequency	---	---	2452.380	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.13 22.67 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2451.67 MHz	---	---	1.36	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-138.87	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 13:02:05
Ambit temp [°C] humidity [rel%]	24.7 32
System version	5.0.5.0
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	Yes

Equipment

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

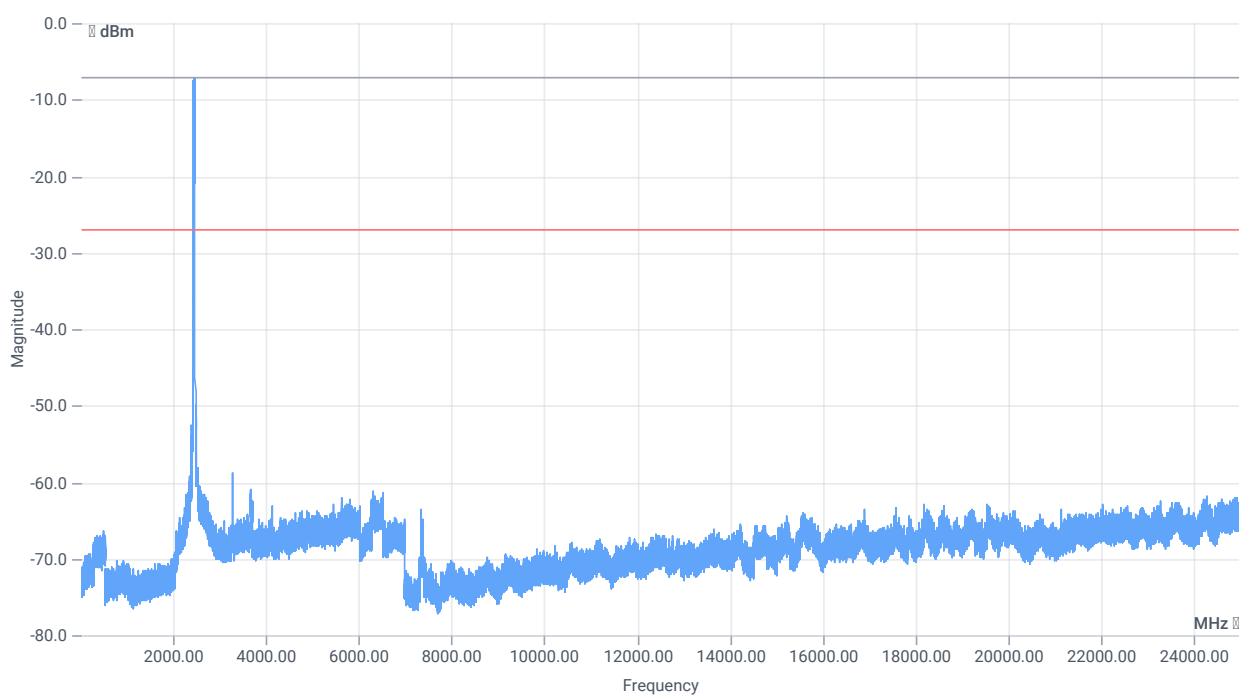
Test Parameter

Technology to test	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.MP.SIG1/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.	---	---	3.12	dBm	INFO
Ref. frequency	---	---	2458.790	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.12 22.67 0
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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2468.00 MHz	---	---	-7.07	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2483.833 MHz	0	---	25.33	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 10:45:42
Ambit temp [°C] humidity [rel%]	24.6 33
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

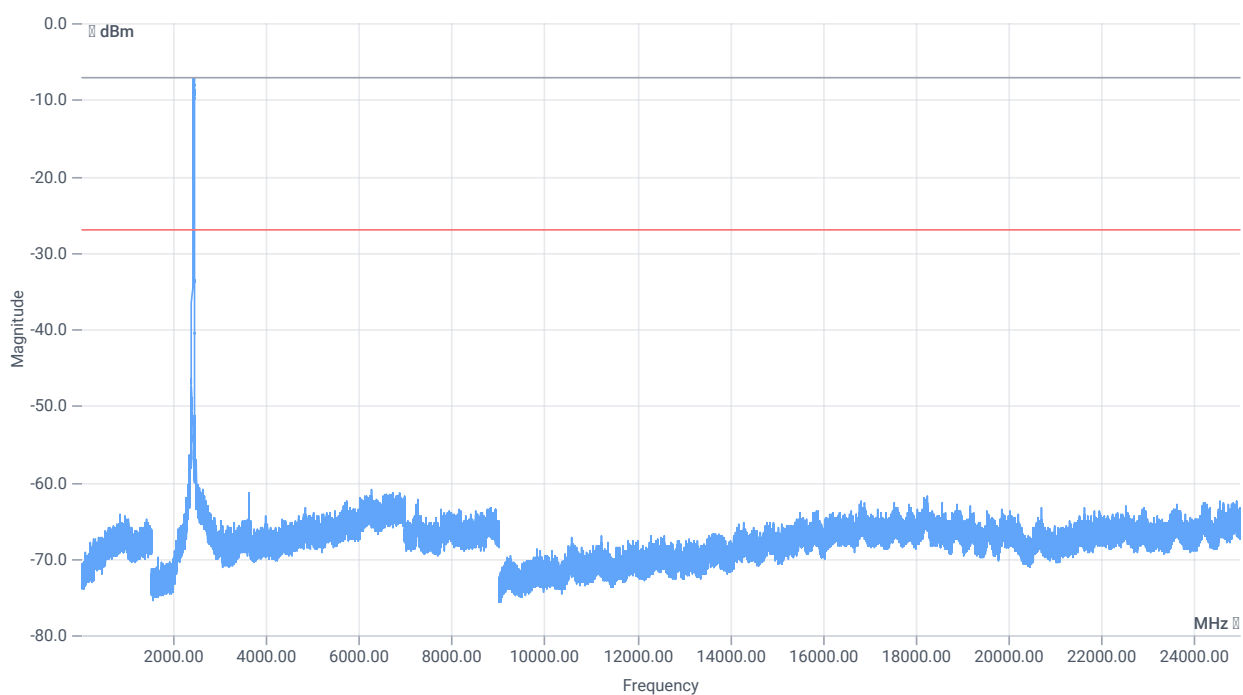
Test Parameter

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.	---	---	4.35	dBm	INFO
Ref. frequency	---	---	2436.590	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	4.35 22.08 0
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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2438.00 MHz	---	---	-7.08	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	19.34	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 11:03:18
Ambit temp [°C] humidity [rel%]	24.6 33
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

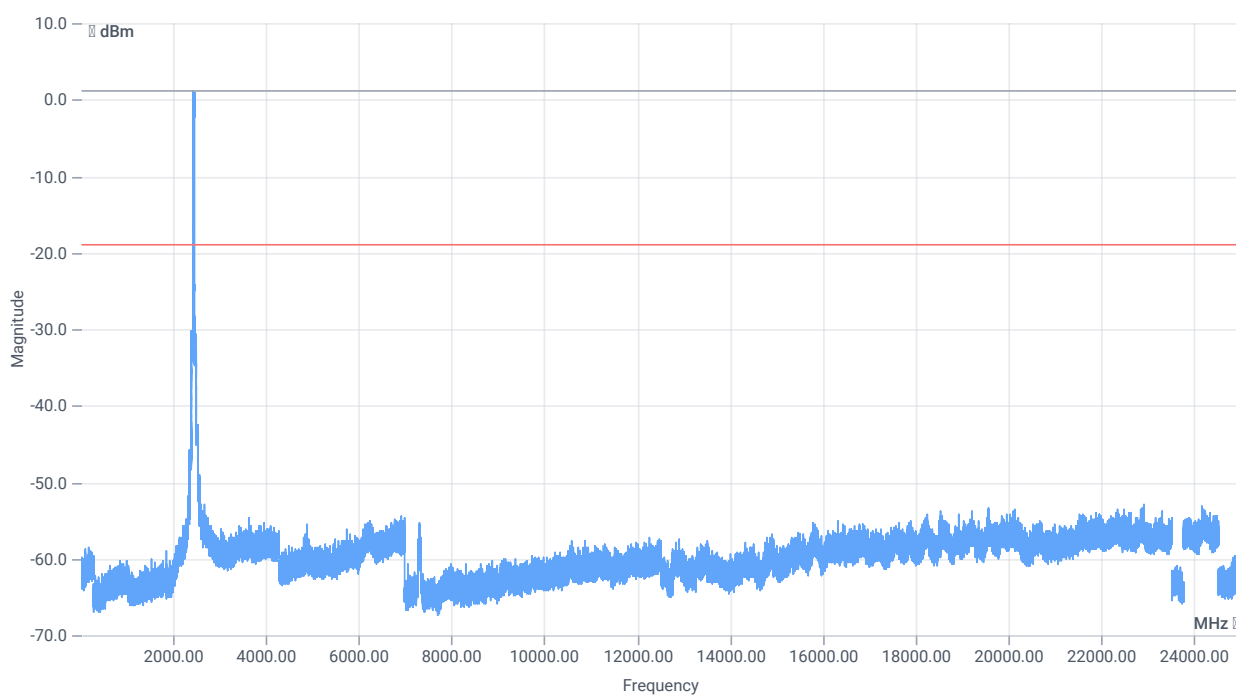
Test Parameter

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.

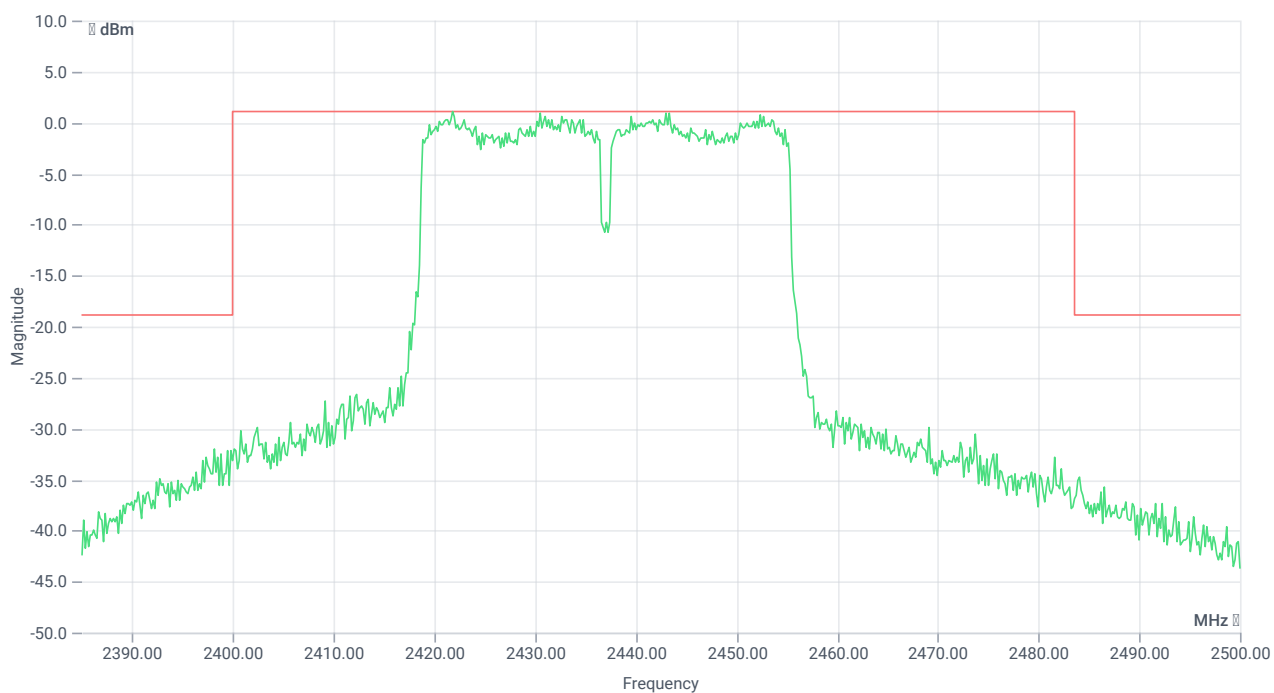
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.79	dBm	INFO
Ref. frequency	---	---	2439.600	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.79 22.08 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2421.83 MHz	---	---	1.12	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2398.167 MHz	0	---	13.08	dB	INFO

Verdict

PASS

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

References

TC start	13.06.2024 12:47:34
Ambit temp [°C] humidity [rel%]	25.2 30
System version	5.0.5.0
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-40,1307.9002K40/101042,3.70
Switch matrix,cetecom advanced GmbH,USM,B002,1.0.0

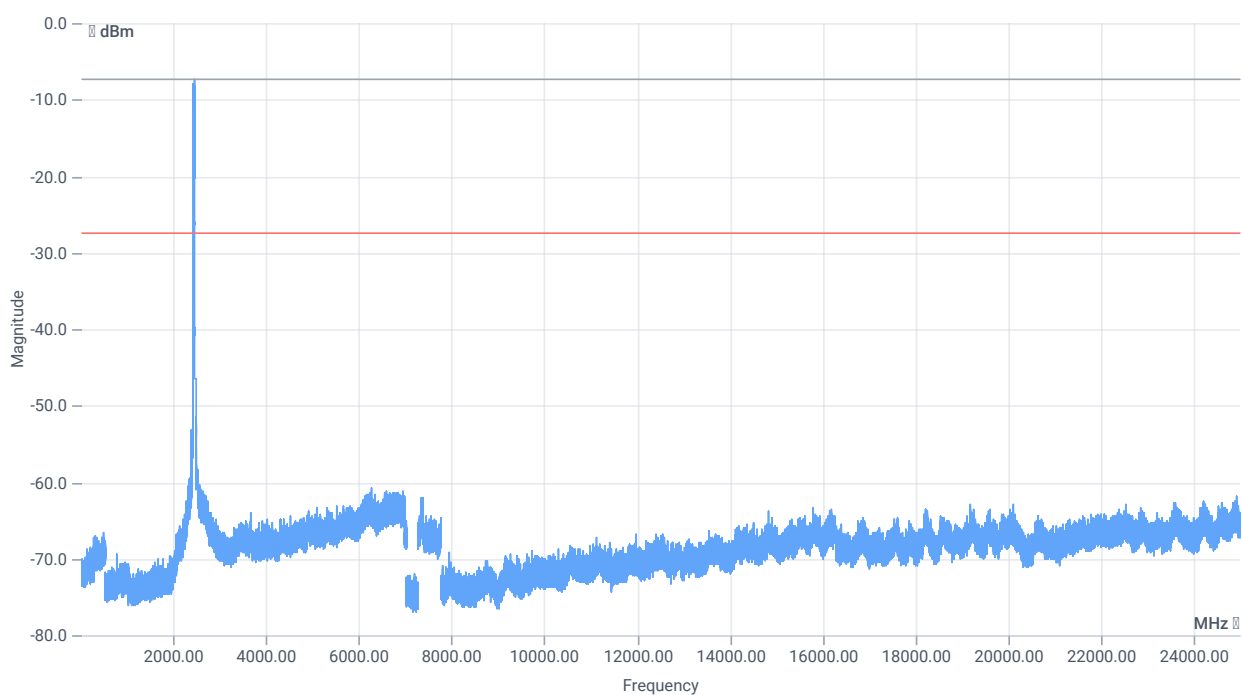
Test Parameter

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.

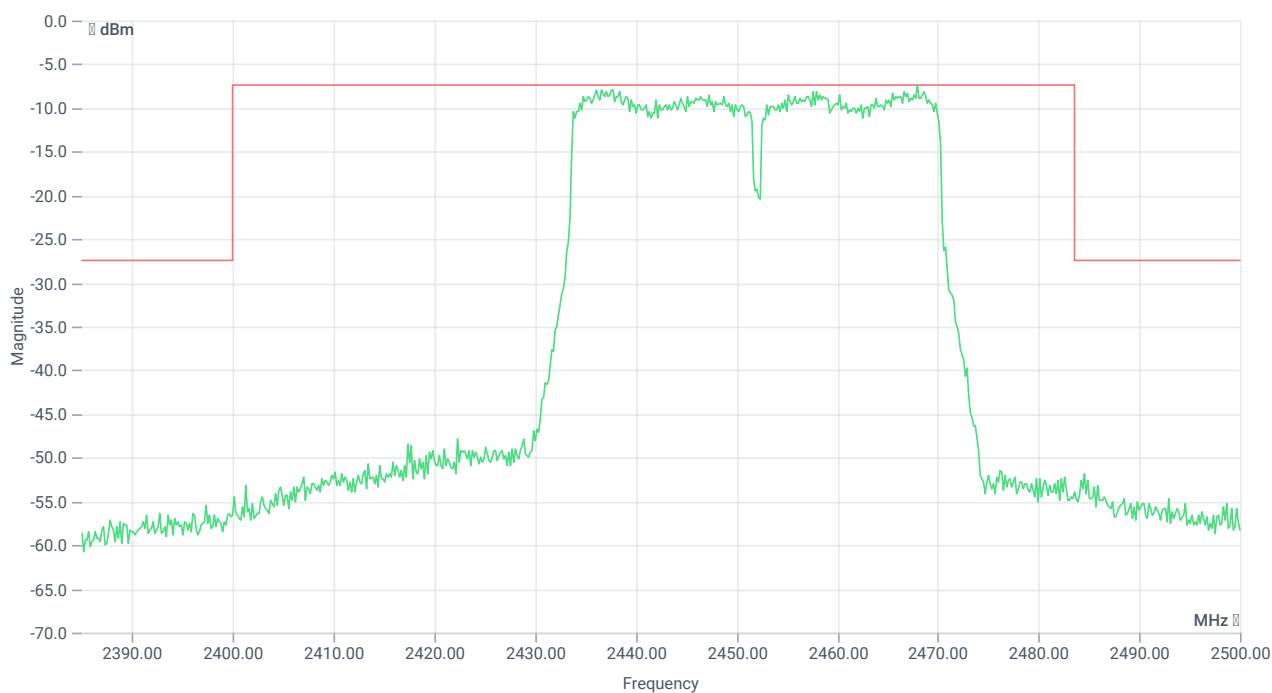
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	3.29	dBm	INFO
Ref. frequency	---	---	2458.690	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.29 22.08 0
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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2468.00 MHz	---	---	-7.41	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2484.5 MHz	0	---	24.41	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 10:42:45
Ambit temp [°C] humidity [rel%]	23.9 35
System version	5.0.5.0
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	Yes

Equipment

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

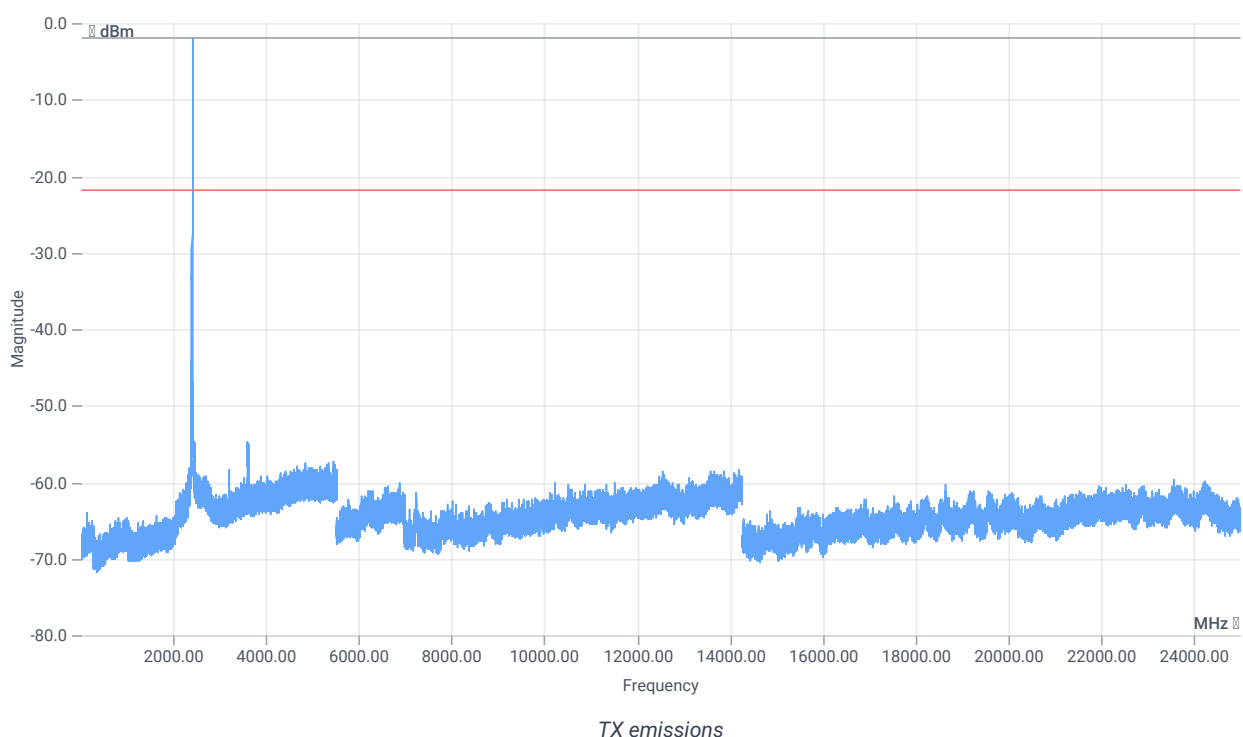
Test Parameter

Technology to test	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

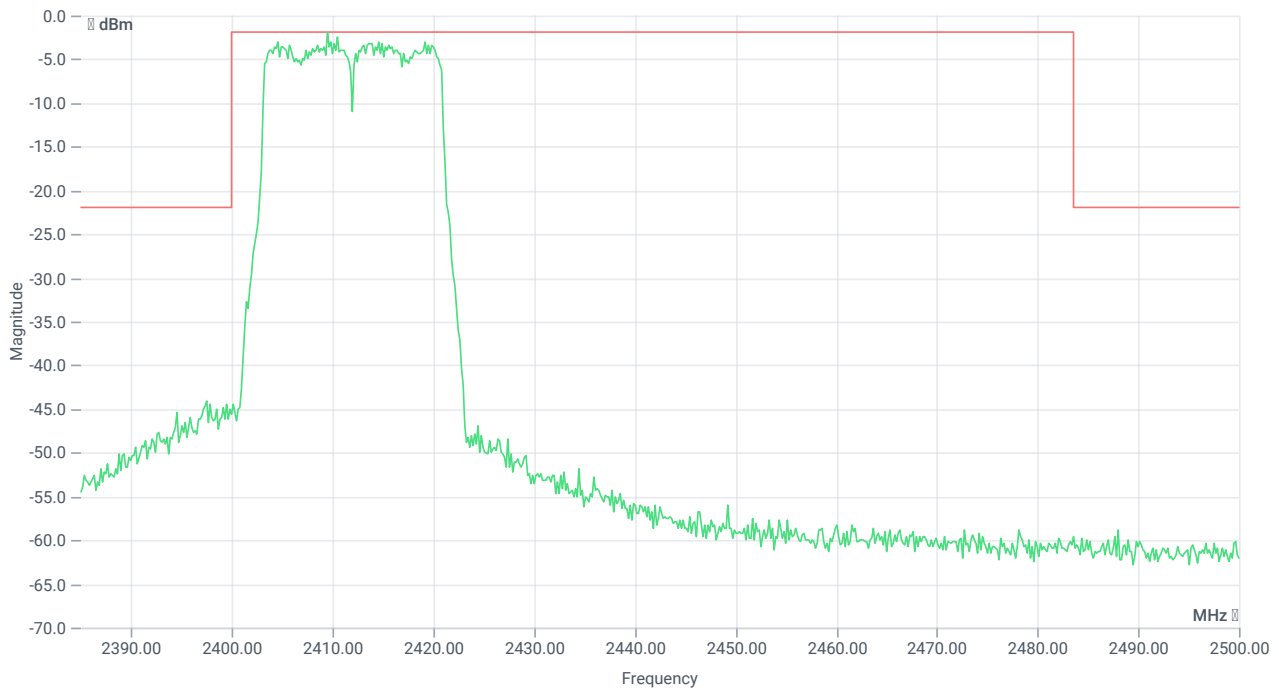
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	7.63	dBm	INFO
Ref. frequency	---	---	2409.300	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	7.63 22.67 0
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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2409.50 MHz	---	---	-1.88	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2397.5 MHz	0	---	22.12	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 11:00:24
Ambit temp [°C] humidity [rel%]	24.1 35
System version	5.0.5.0
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	Yes

Equipment

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

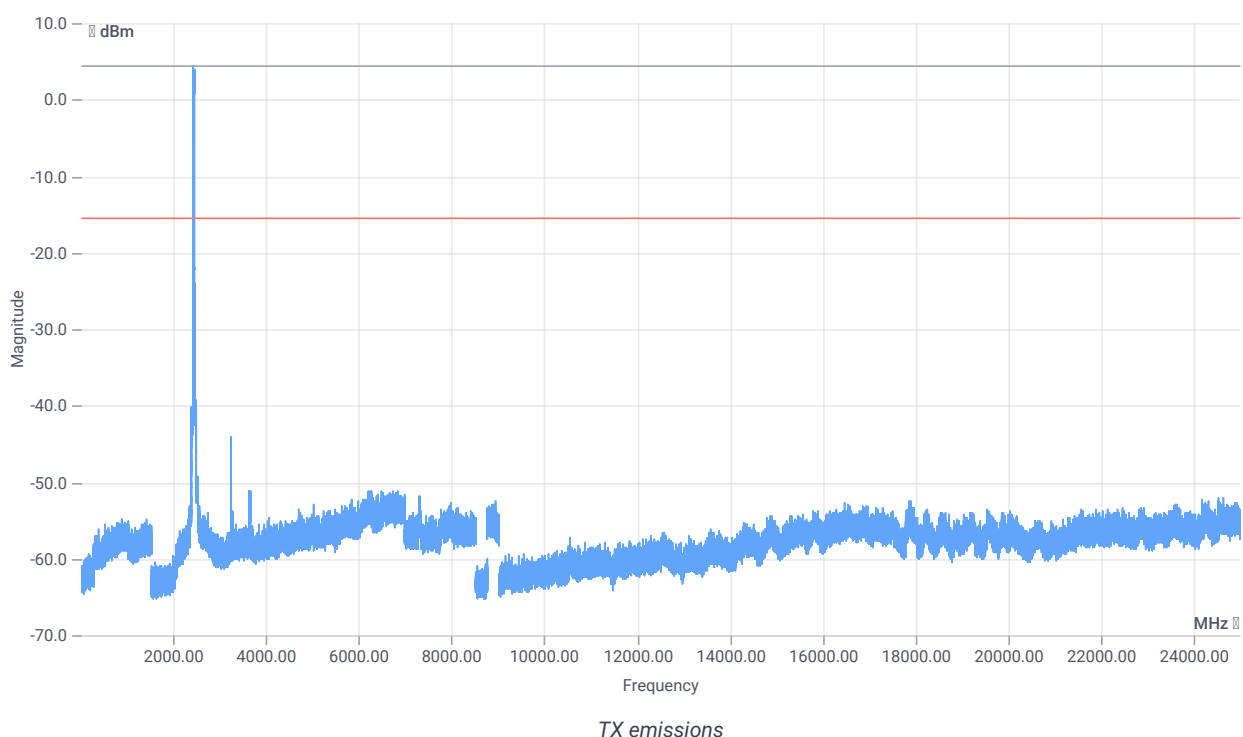
Test Parameter

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

Test at TX 2437 MHz

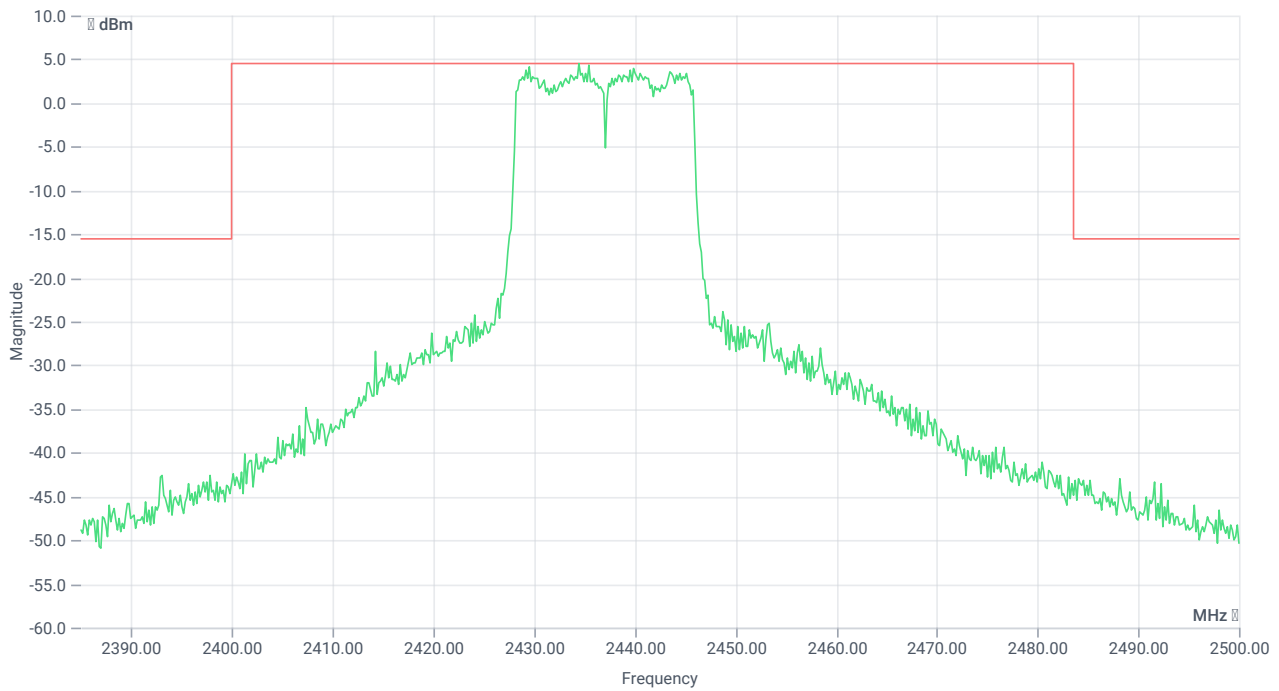
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.54	dBm	INFO
Ref. frequency	---	---	2438.700	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.54 22.67 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2434.50 MHz	---	---	4.44	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 30 MHz	0	---	-137.64	dB	INFO

Verdict

PASS

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

References

TC start	11.06.2024 11:44:27
Ambit temp [°C] humidity [rel%]	24.2 34
System version	5.0.5.0
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	Yes

Equipment

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

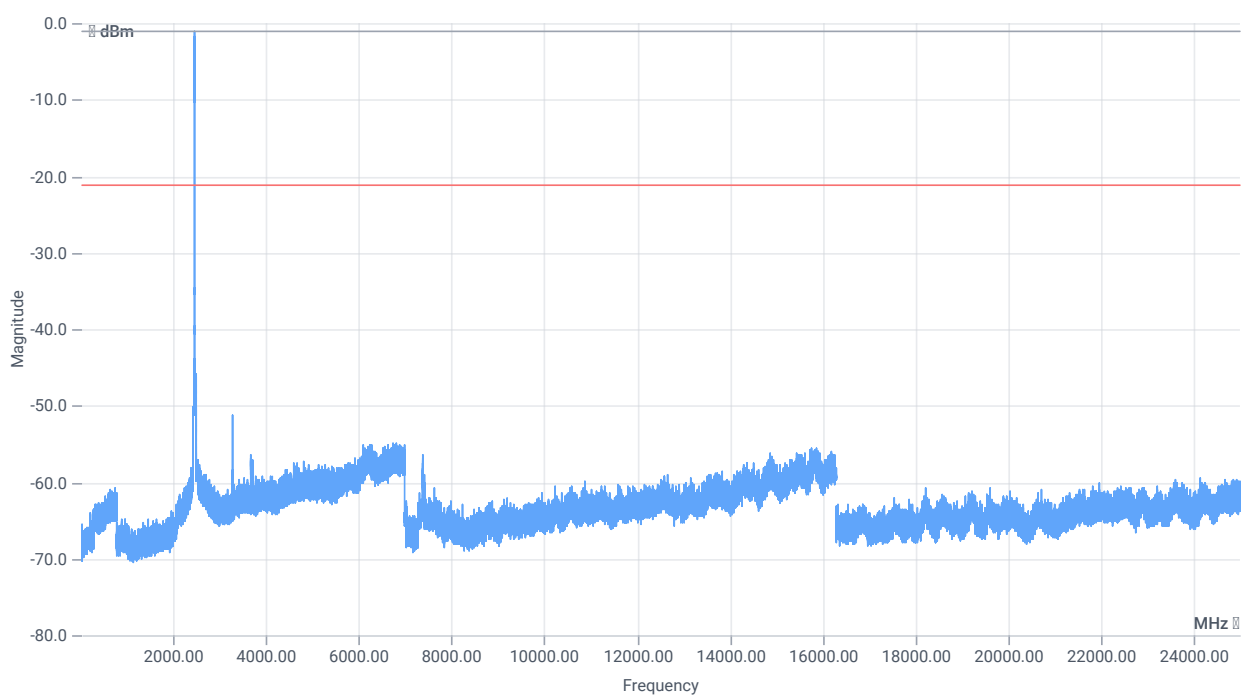
Test Parameter

Technology to test	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.

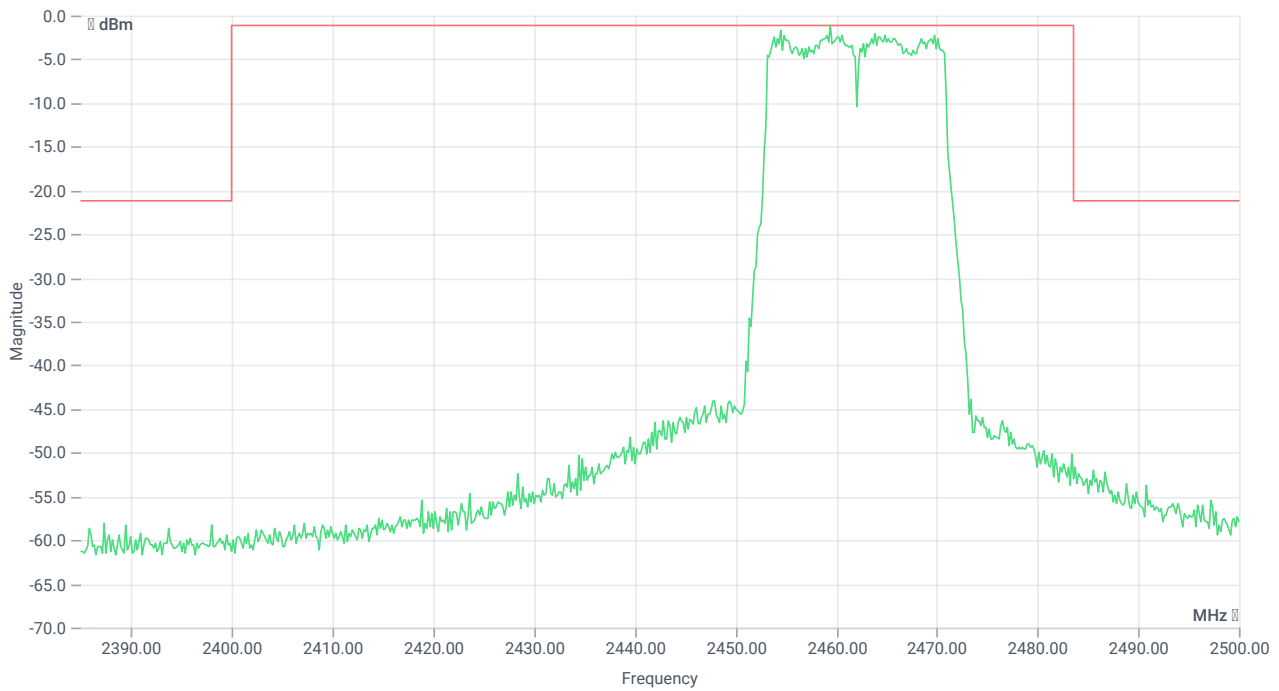
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	8.63	dBm	INFO
Ref. frequency	---	---	2465.400	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.63 22.67 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



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2459.50 MHz	---	---	-1.17	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 3282.5 MHz	0	---	30.03	dB	INFO

Verdict

PASS

- END OF DOCUMENT -