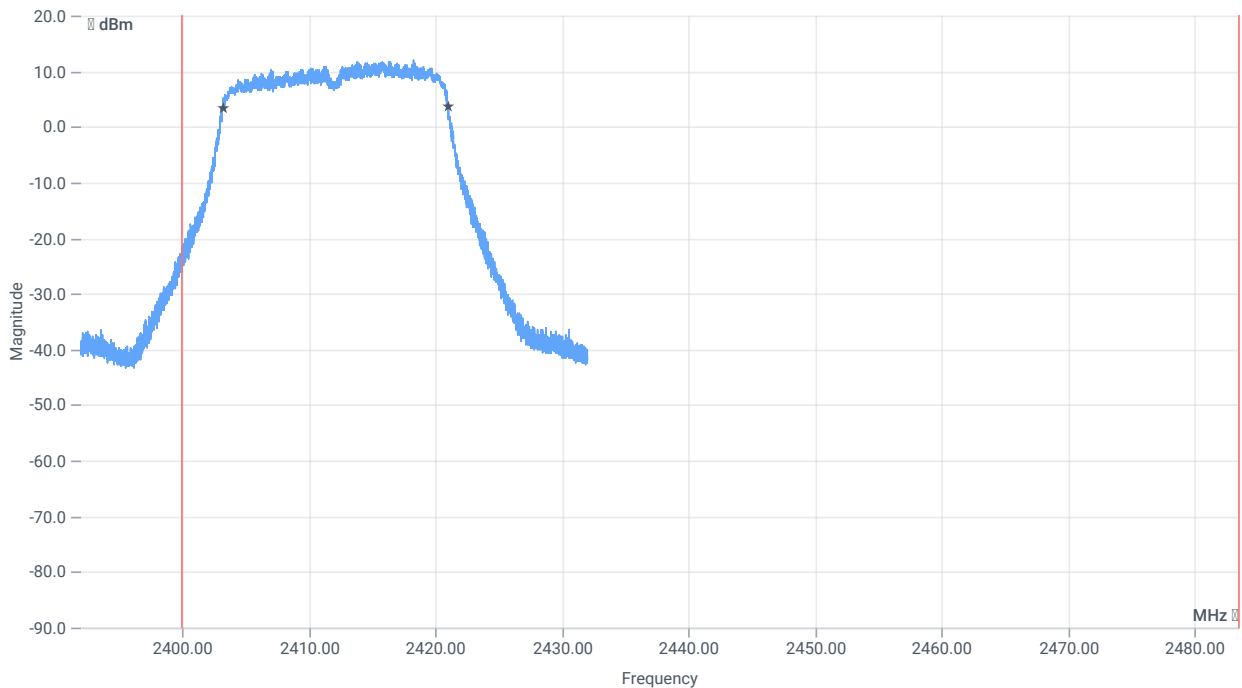
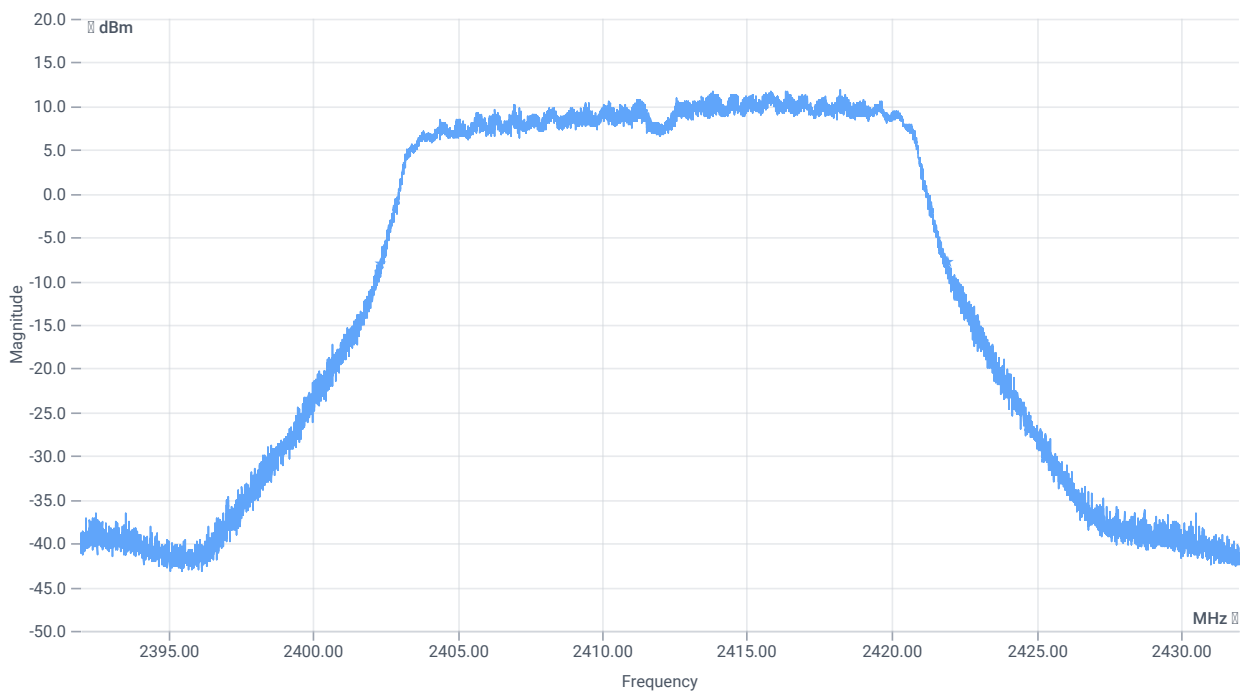




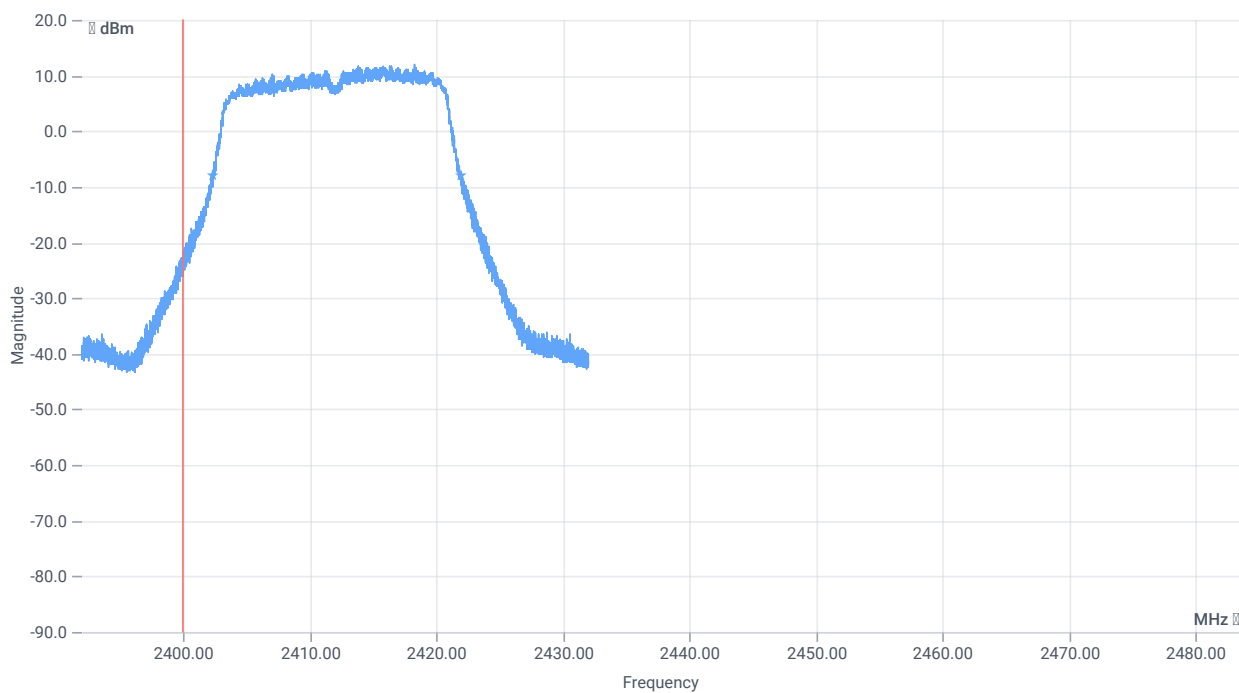
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17806.000	kHz	INFO
T1 99%	2400.000000	---	2403.1889	MHz	PASS
T2 99%	---	2483.500000	2420.9951	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19648	kHz	INFO
T1 20dB	2400.000000	---	2402.3200	MHz	PASS
T2 20dB	---	2483.500000	2421.9680	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 13:51:58
Ambit temp (test rack) [°C] humidity [rel%]	23.0 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-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 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

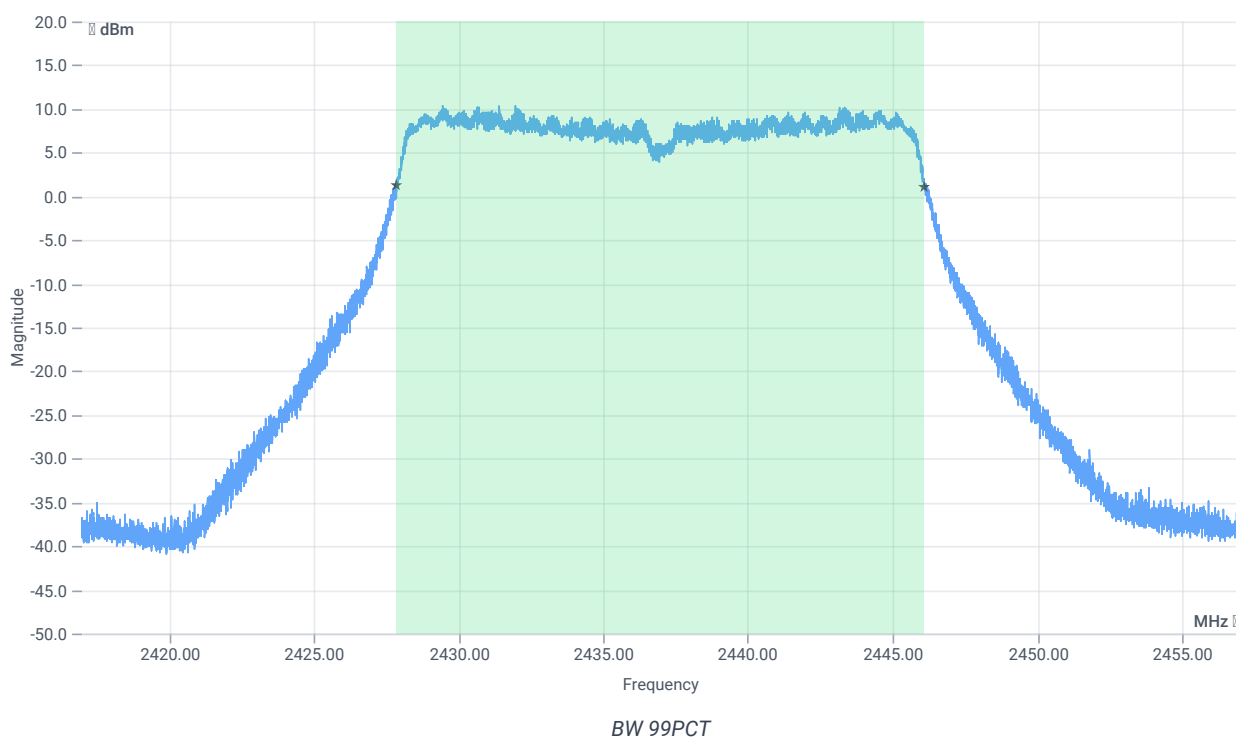
Test at TX 2437 MHz

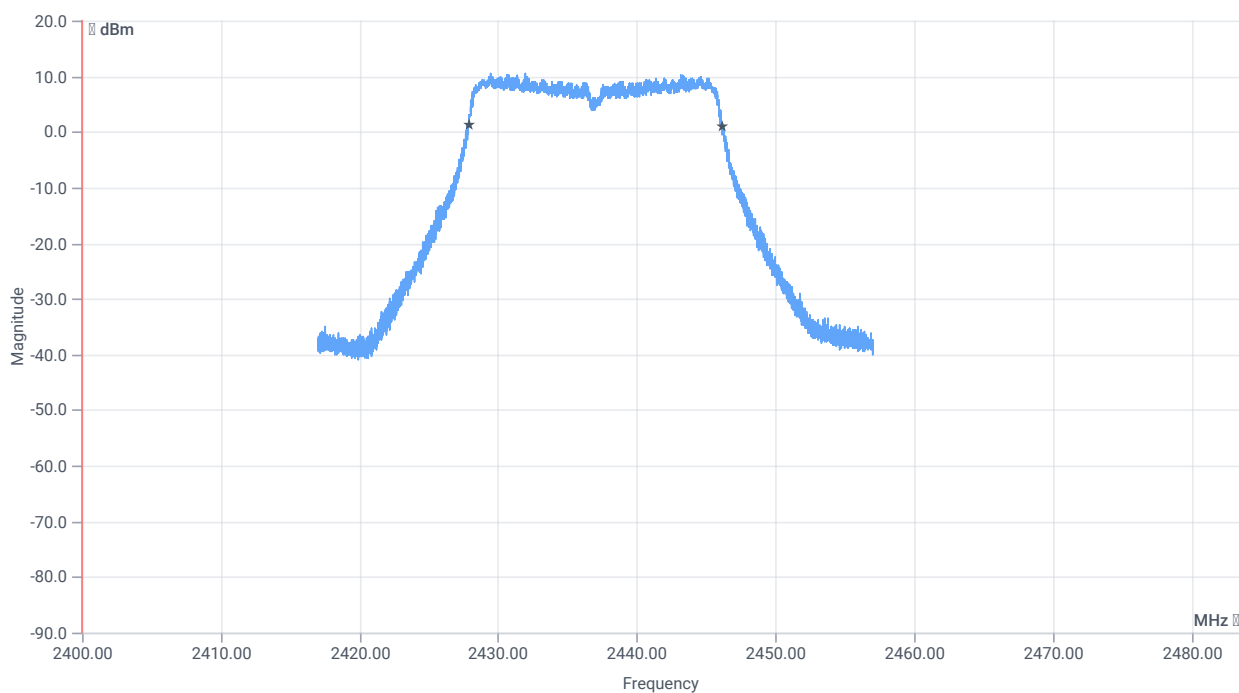
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.97	dBm	INFO
Ref. frequency	---	---	2444.490	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.97 11.75 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

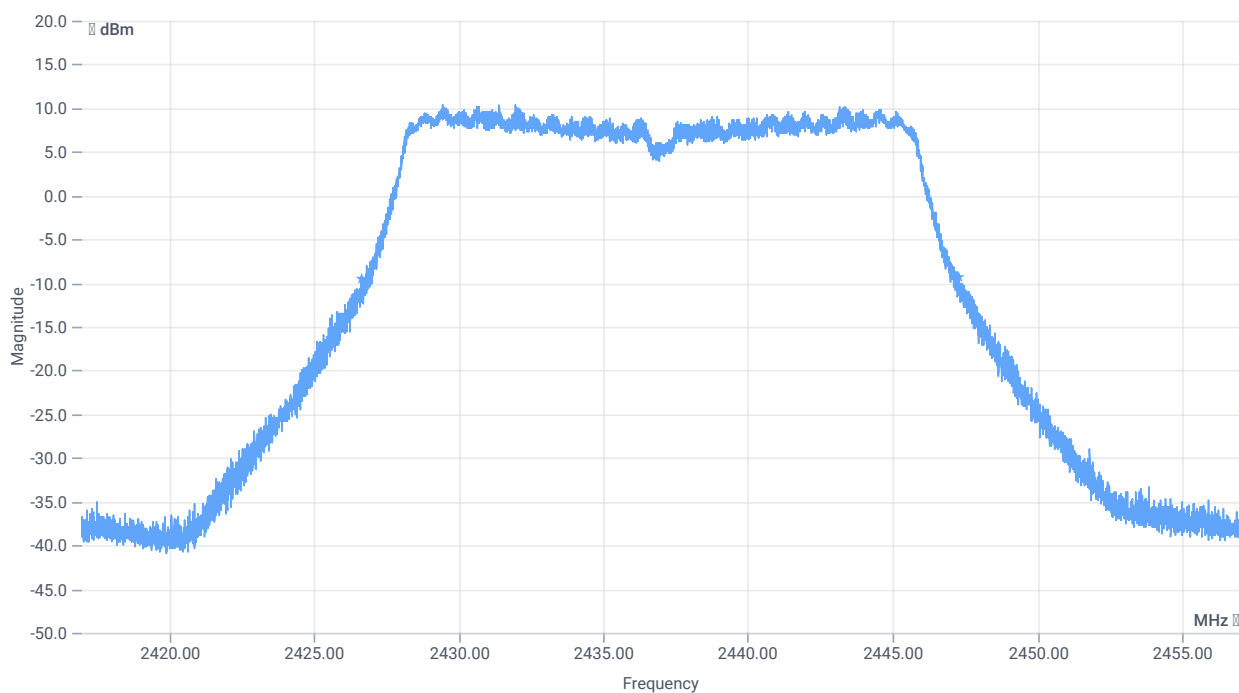




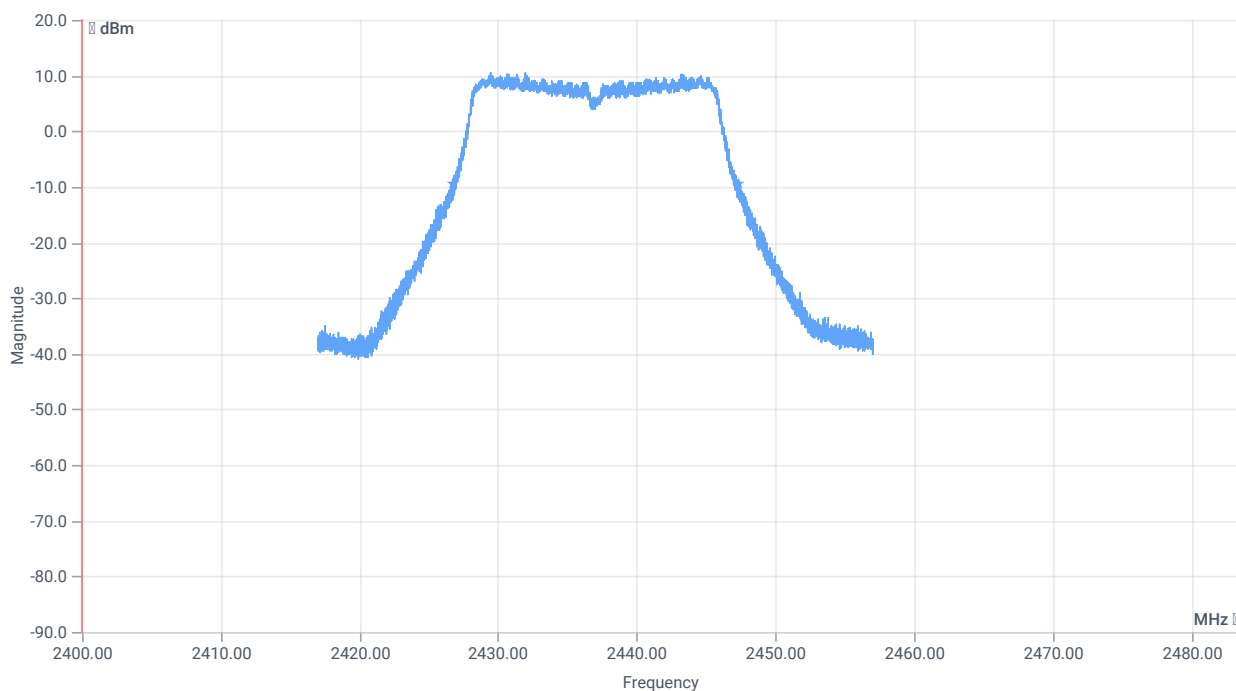
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18234.000	kHz	INFO
T1 99%	2400.000000	---	2427.8769	MHz	PASS
T2 99%	---	2483.500000	2446.1111	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20628	kHz	INFO
T1 20dB	2400.000000	---	2426.6720	MHz	PASS
T2 20dB	---	2483.500000	2447.3000	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 14:10:01
Ambit temp (test rack) [°C] humidity [rel%]	23.1 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-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 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.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

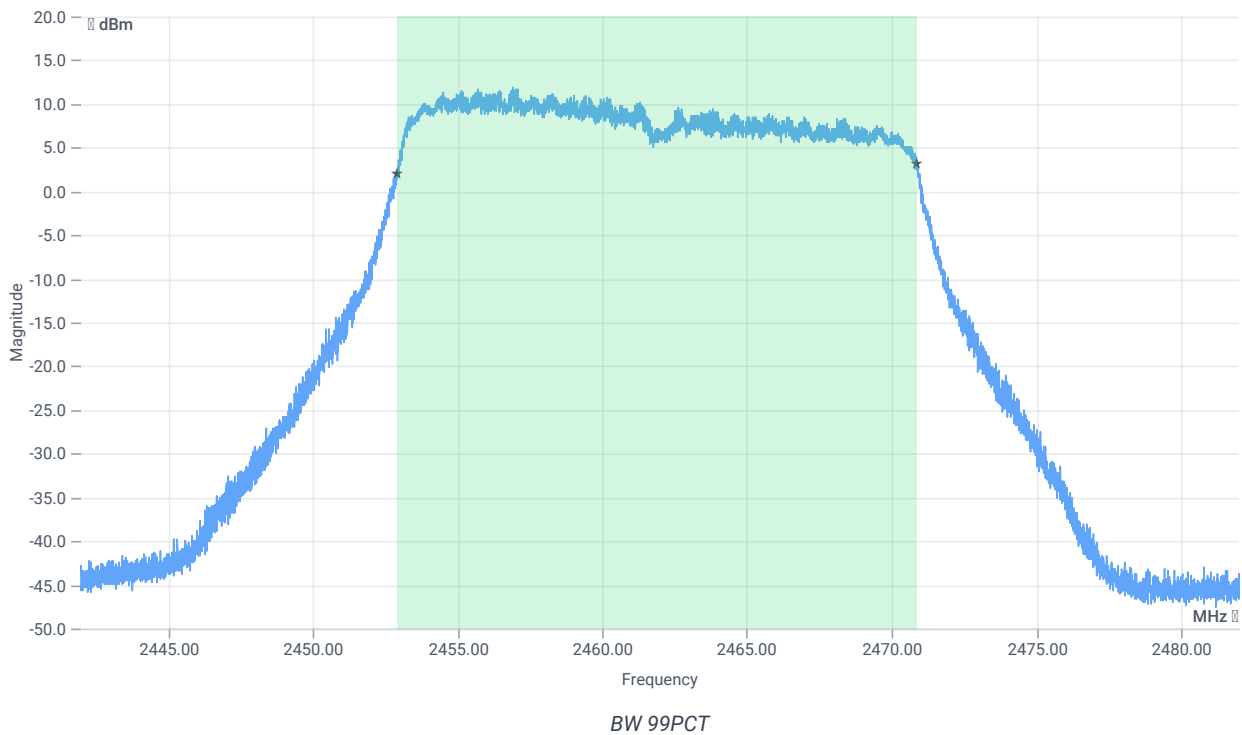
Test at TX 2462 MHz

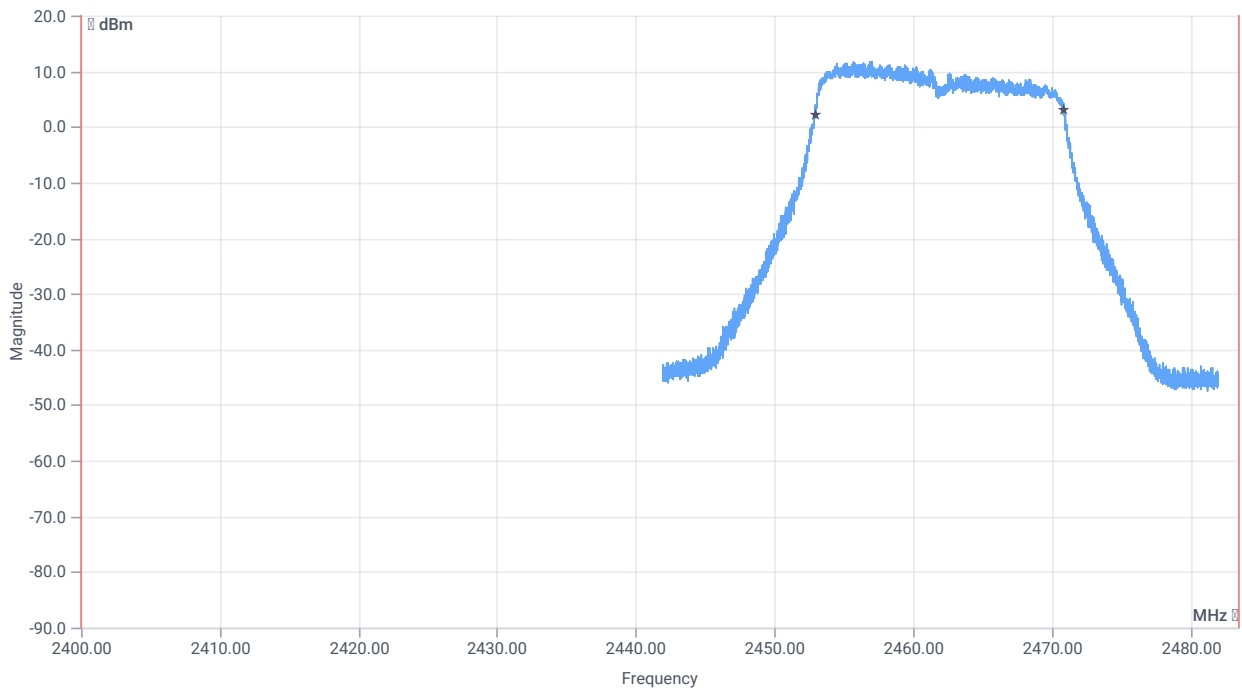
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.01	dBm	INFO
Ref. frequency	---	---	2455.710	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.01 12.02 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

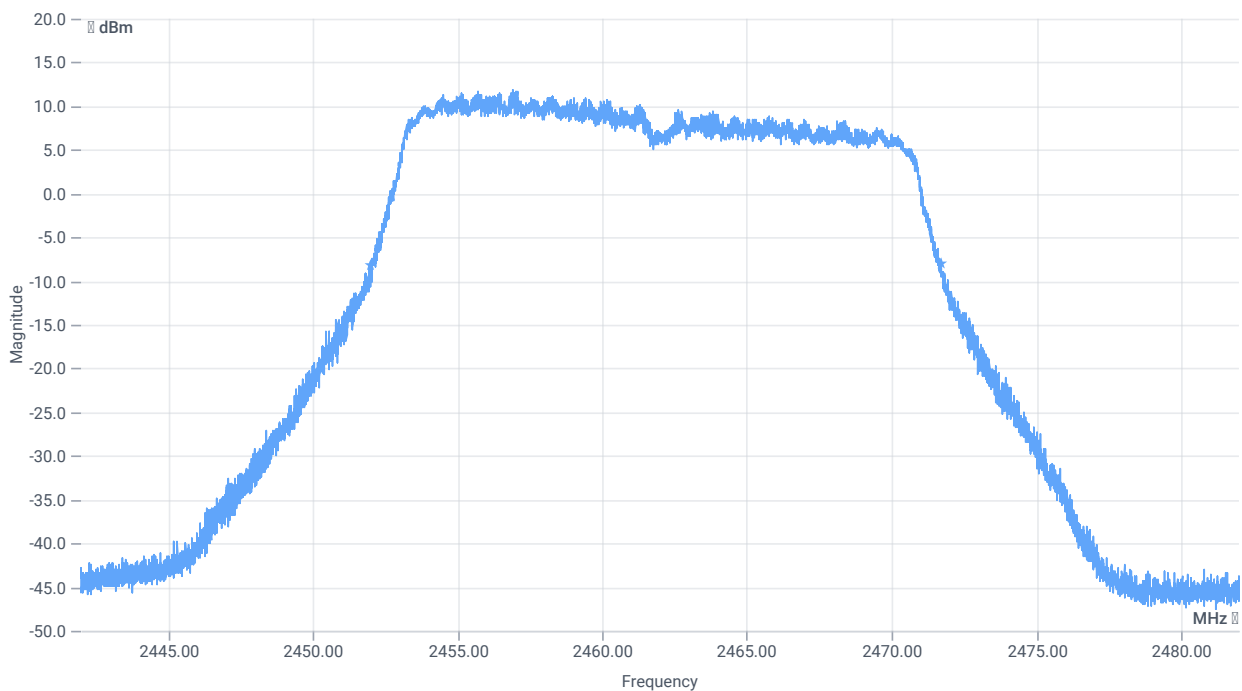




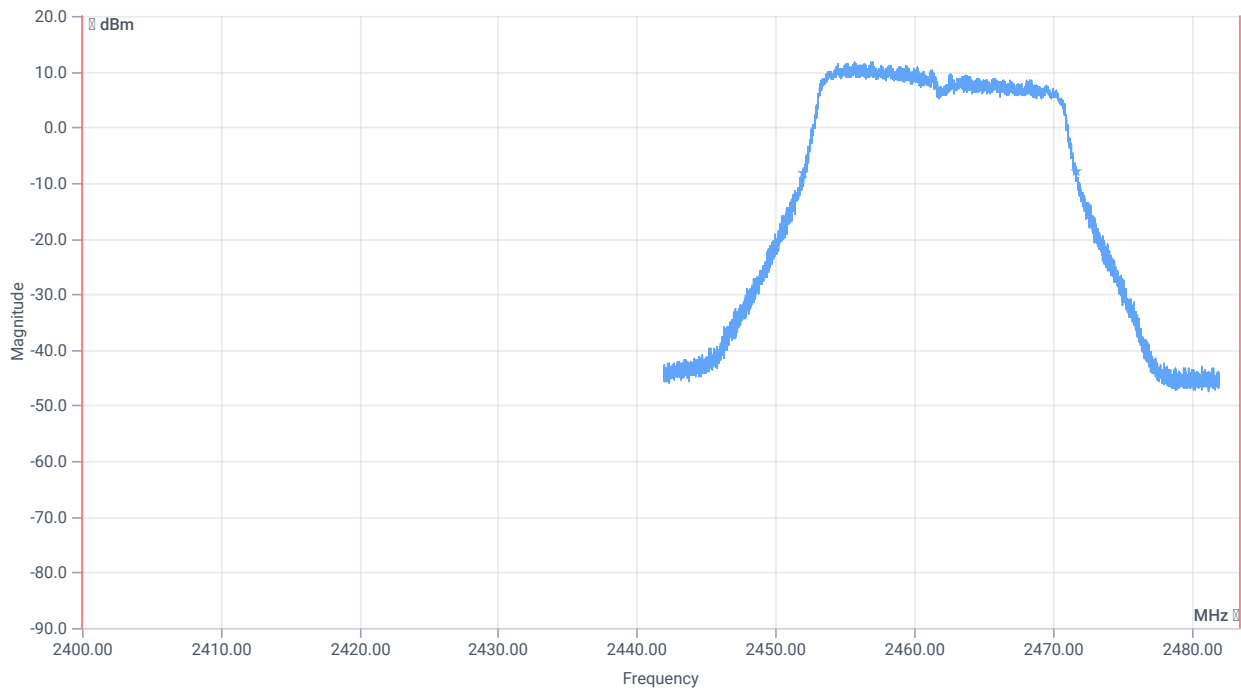
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17926.000	kHz	INFO
T1 99%	2400.000000	---	2452.9249	MHz	PASS
T2 99%	---	2483.500000	2470.8511	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19752	kHz	INFO
T1 20dB	2400.000000	---	2451.9840	MHz	PASS
T2 20dB	---	2483.500000	2471.7360	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 11:23:01
Ambit temp (test rack) [°C] humidity [rel%]	22.4 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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	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

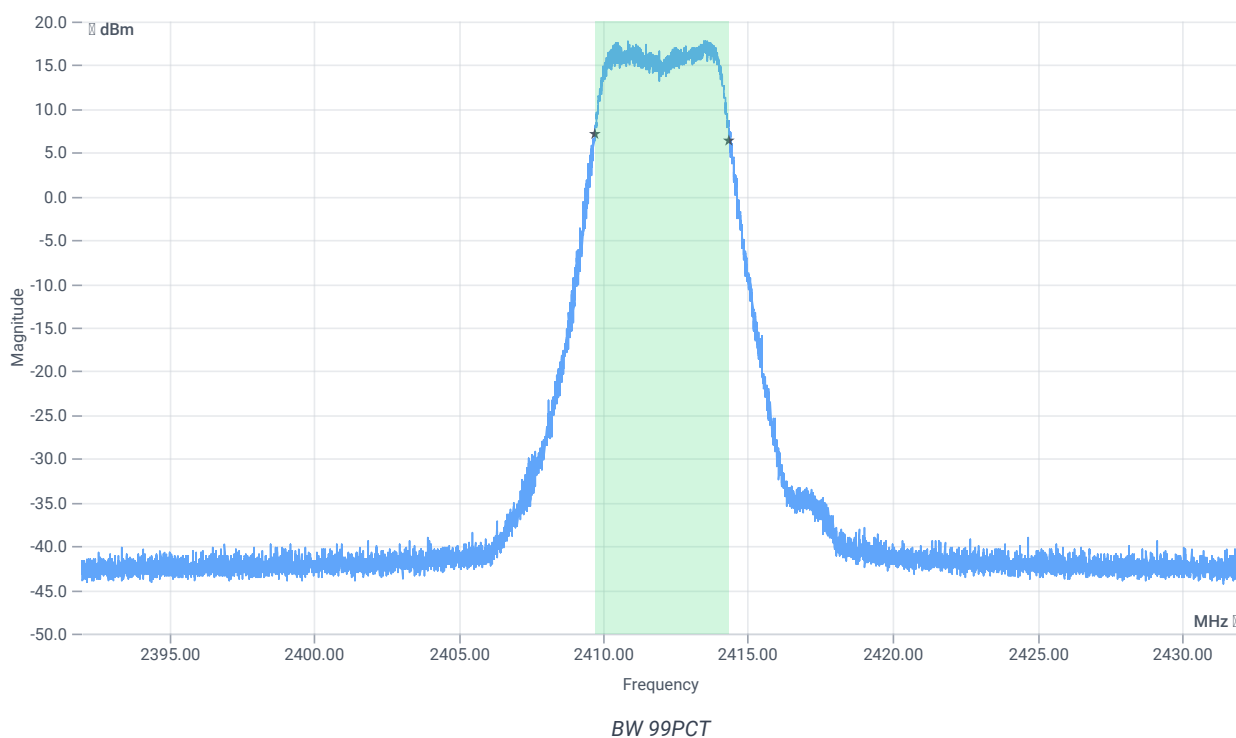
Test at TX 2412 MHz

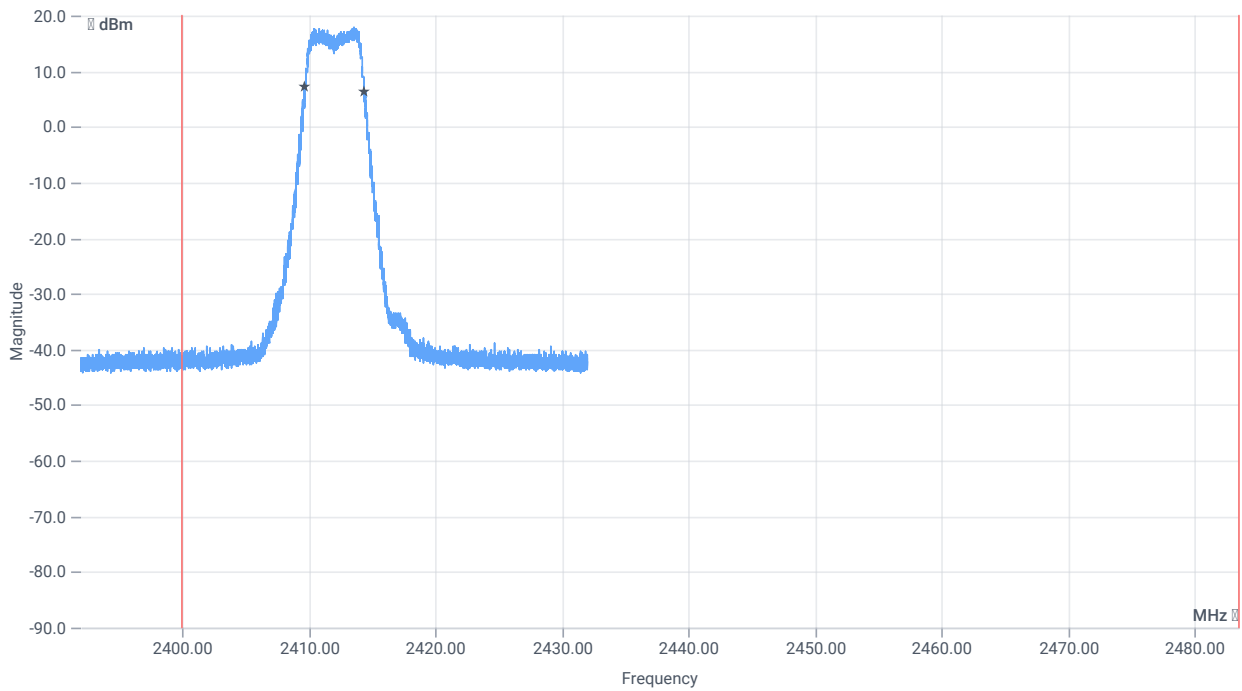
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	19.53	dBm	INFO
Ref. frequency	---	---	2411.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	24.53 11.32 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

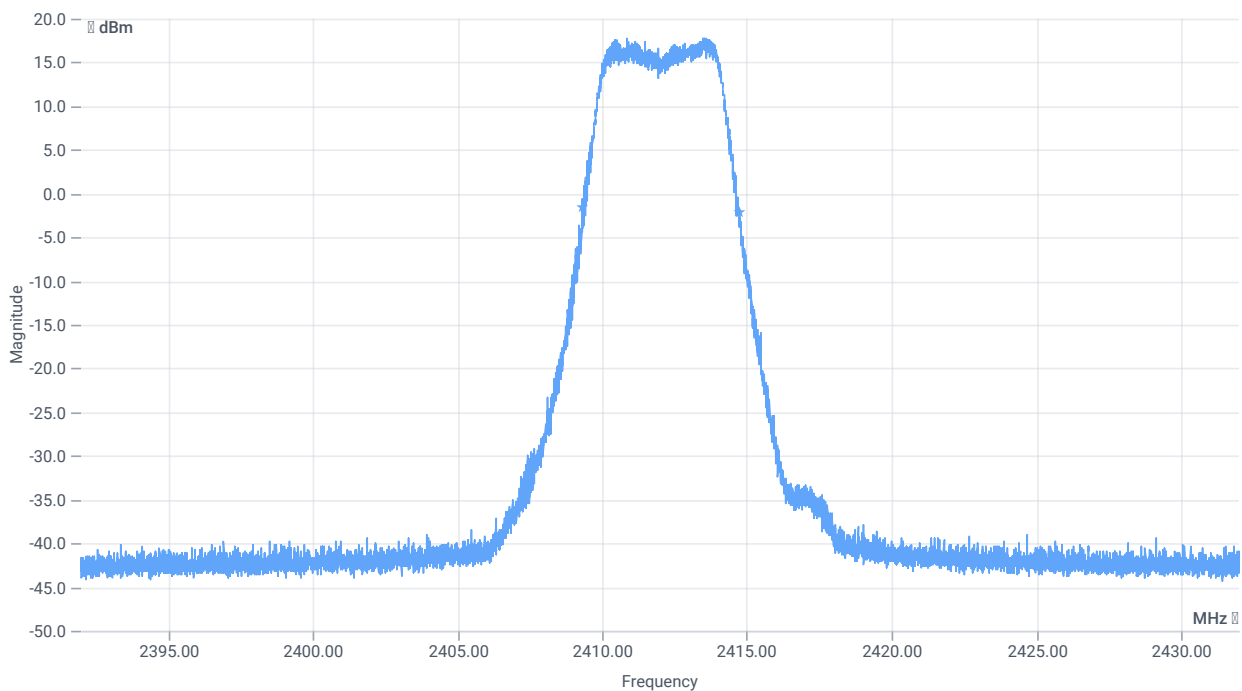




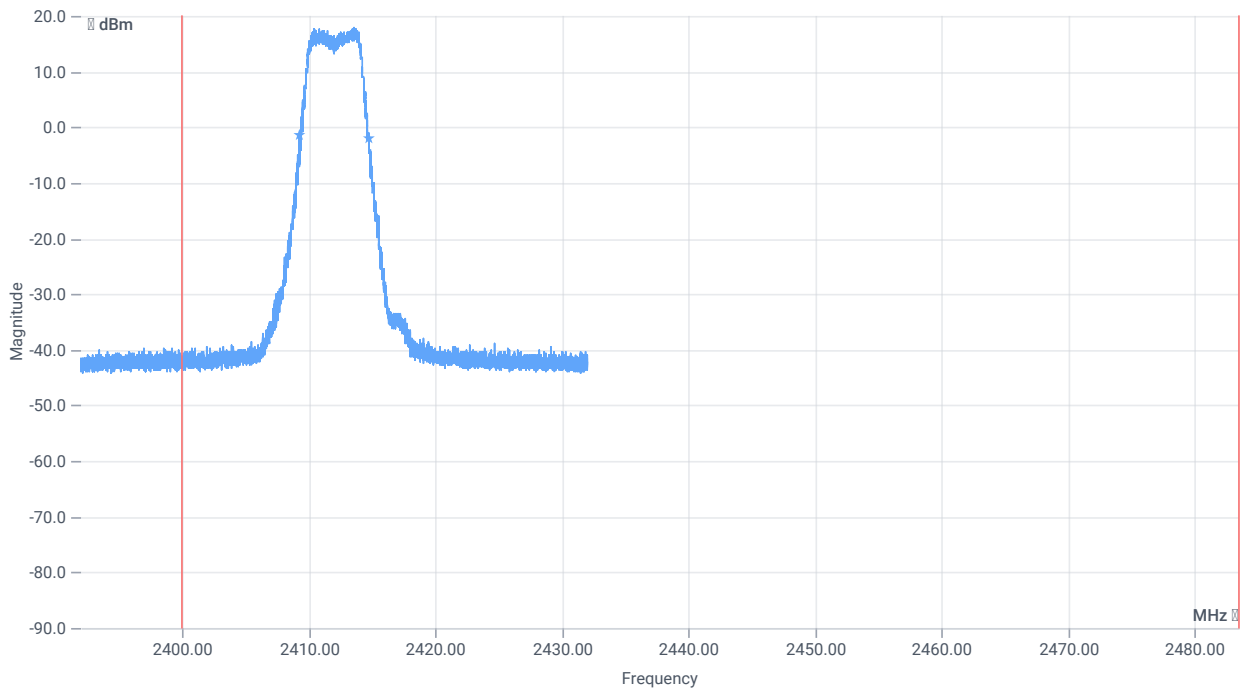
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4660.000	kHz	INFO
T1 99%	2400.000000	---	2409.7042	MHz	PASS
T2 99%	---	2483.500000	2414.3638	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5444	kHz	INFO
T1 20dB	2400.000000	---	2409.2960	MHz	PASS
T2 20dB	---	2483.500000	2414.7400	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 11:41:24
Ambit temp (test rack) [°C] humidity [rel%]	22.5 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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	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

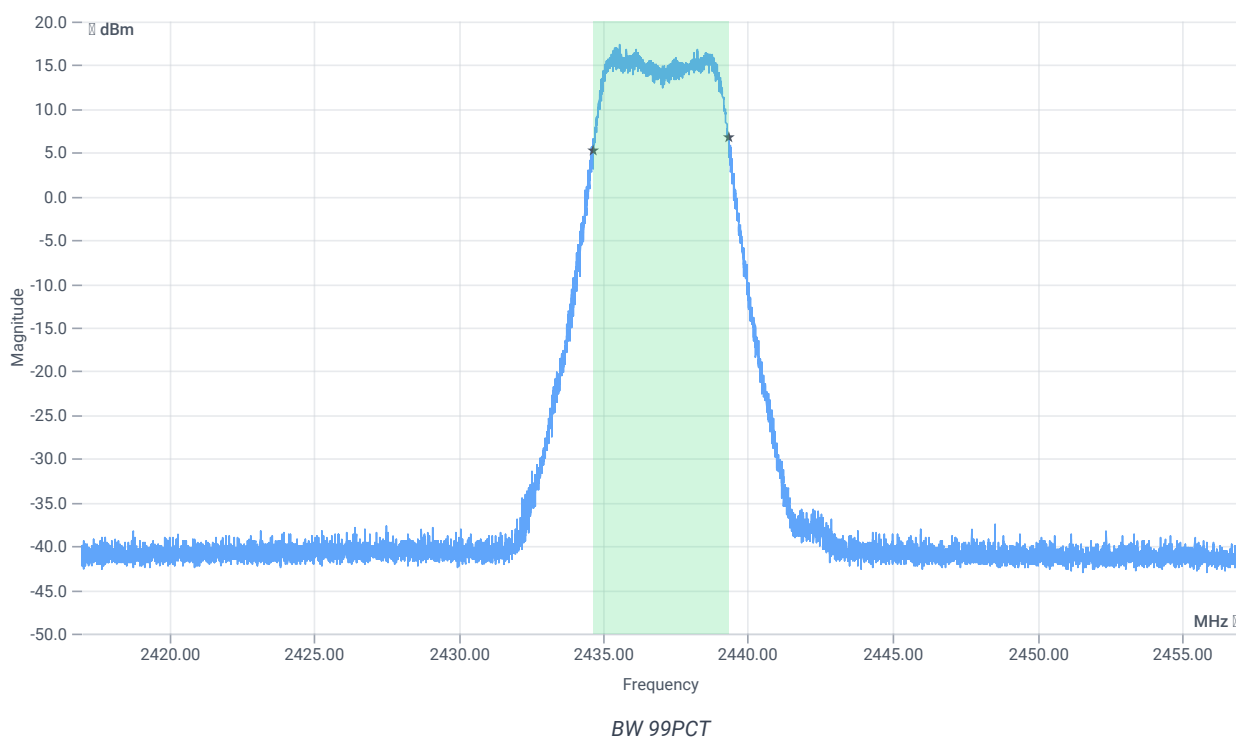
Test at TX 2437 MHz

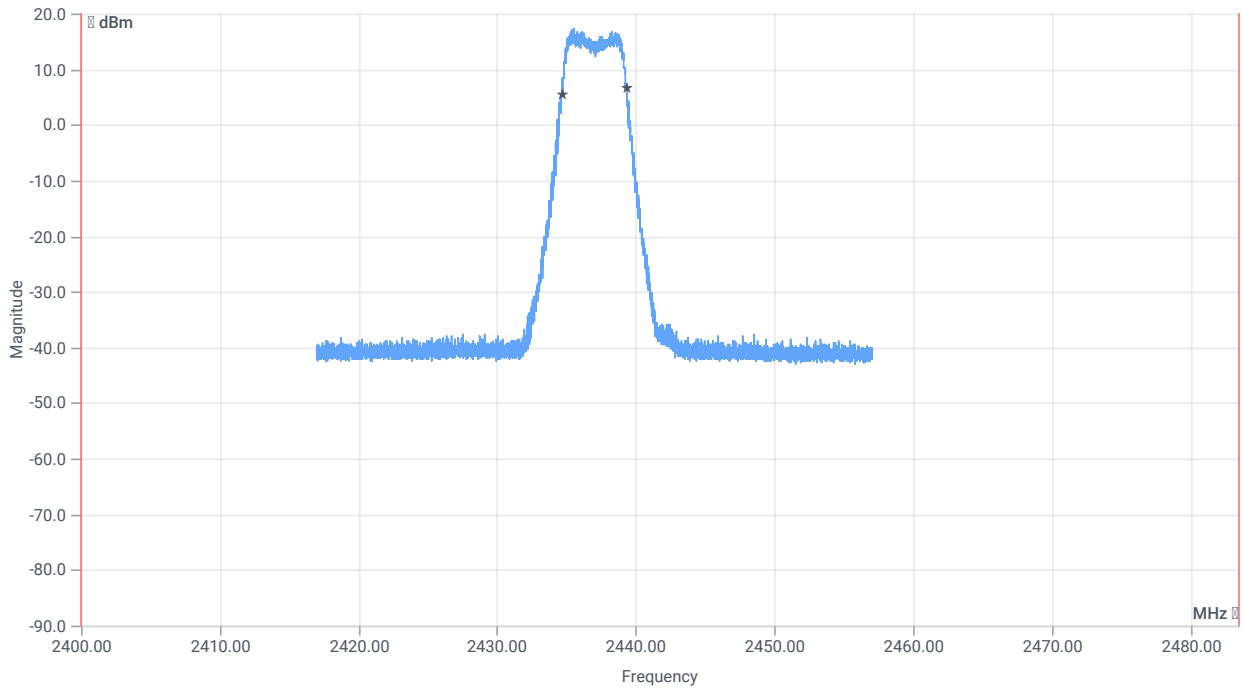
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.28	dBm	INFO
Ref. frequency	---	---	2438.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.28 11.75 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

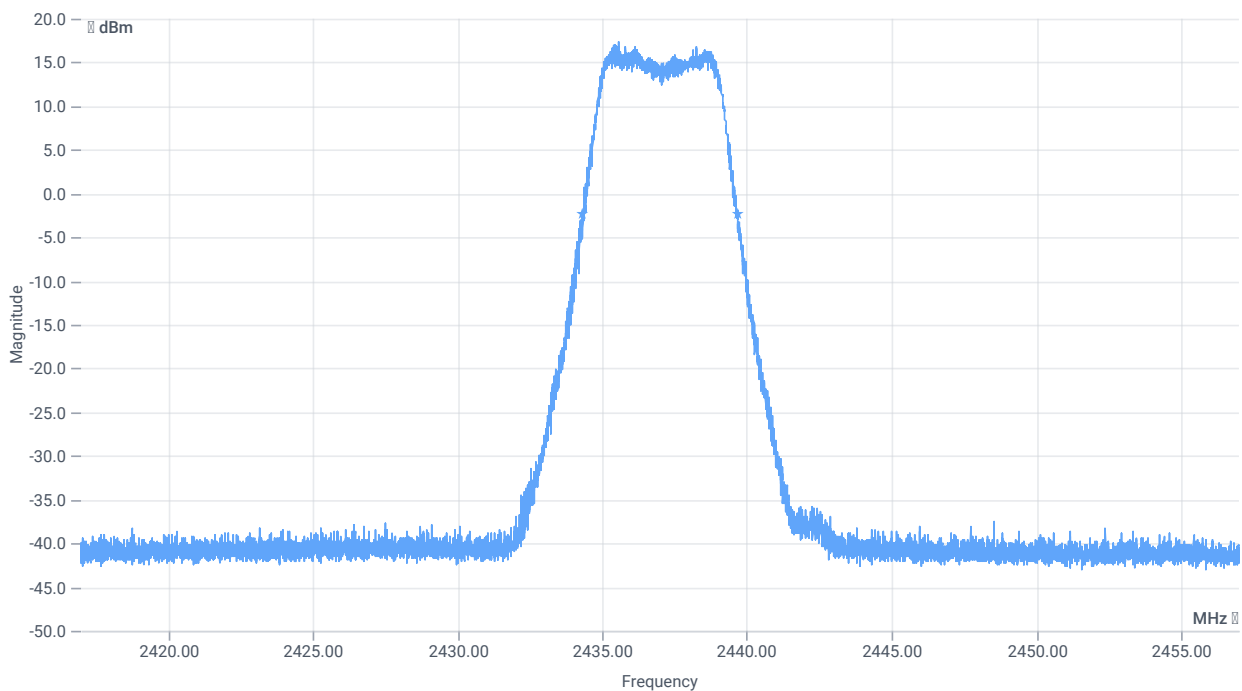




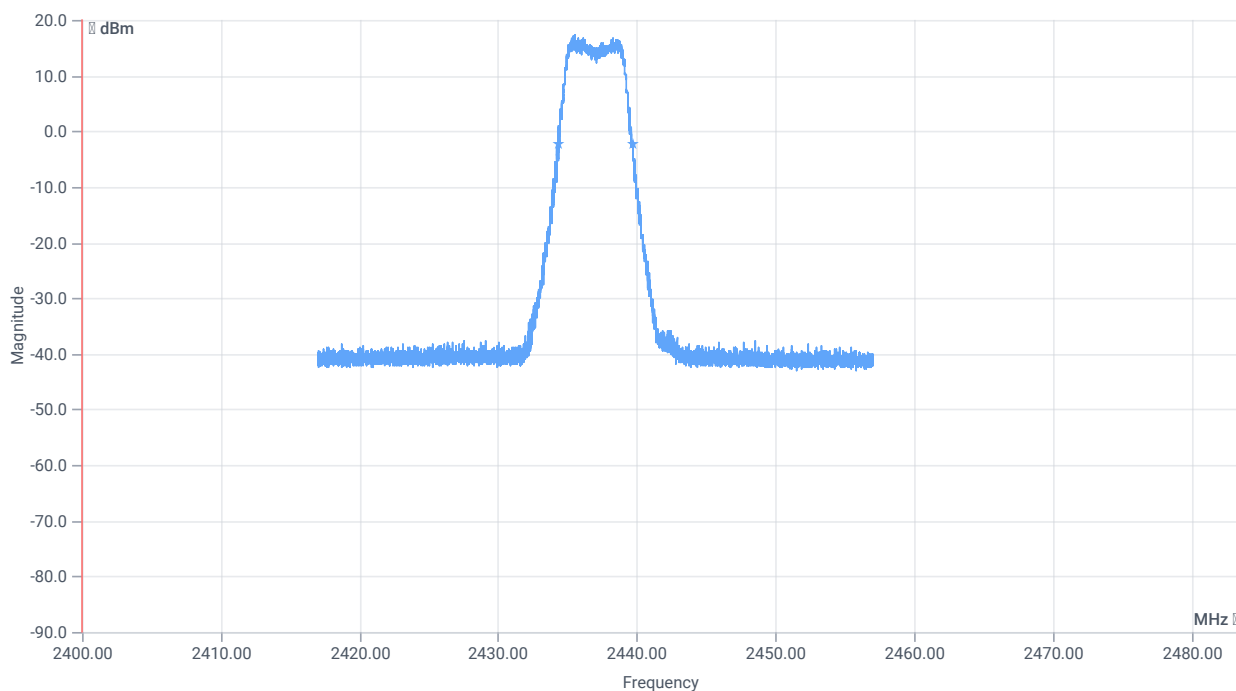
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4668.000	kHz	INFO
T1 99%	2400.000000	---	2434.6722	MHz	PASS
T2 99%	---	2483.500000	2439.3398	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5380	kHz	INFO
T1 20dB	2400.000000	---	2434.3040	MHz	PASS
T2 20dB	---	2483.500000	2439.6840	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:12:45
Ambit temp (test rack) [°C] humidity [rel%]	22.5 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

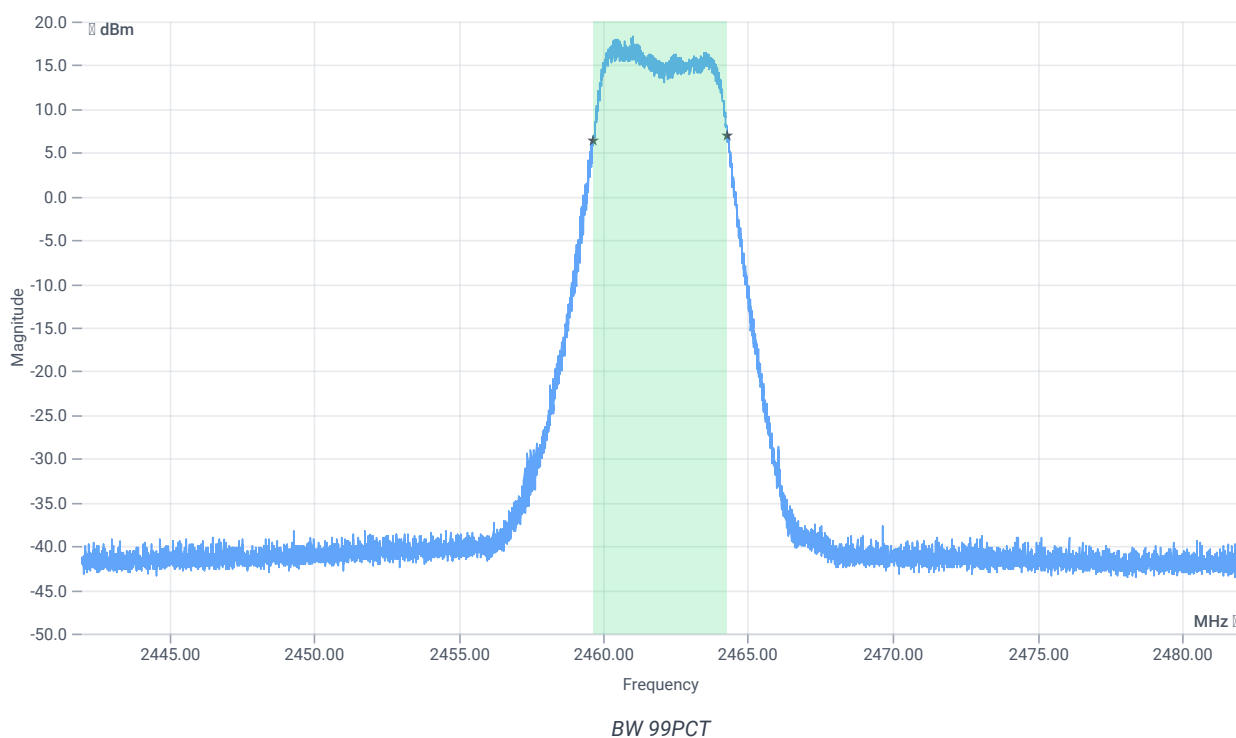
Test at TX 2462 MHz

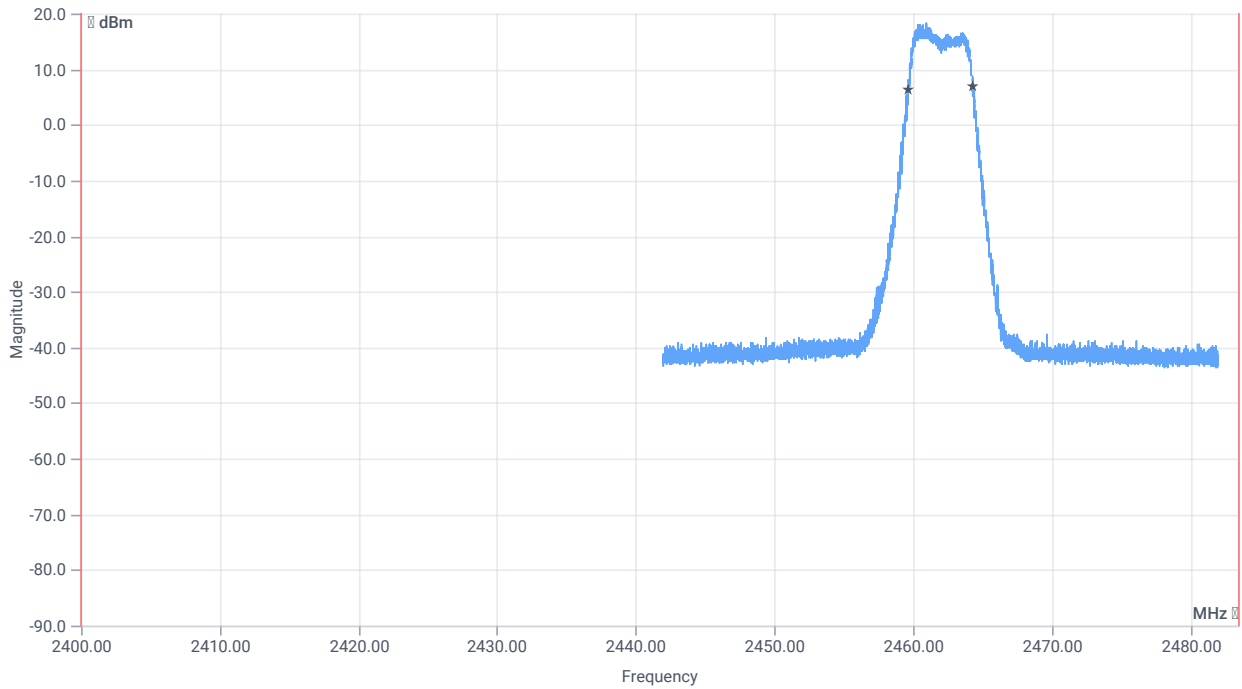
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.86	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.86 12.02 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

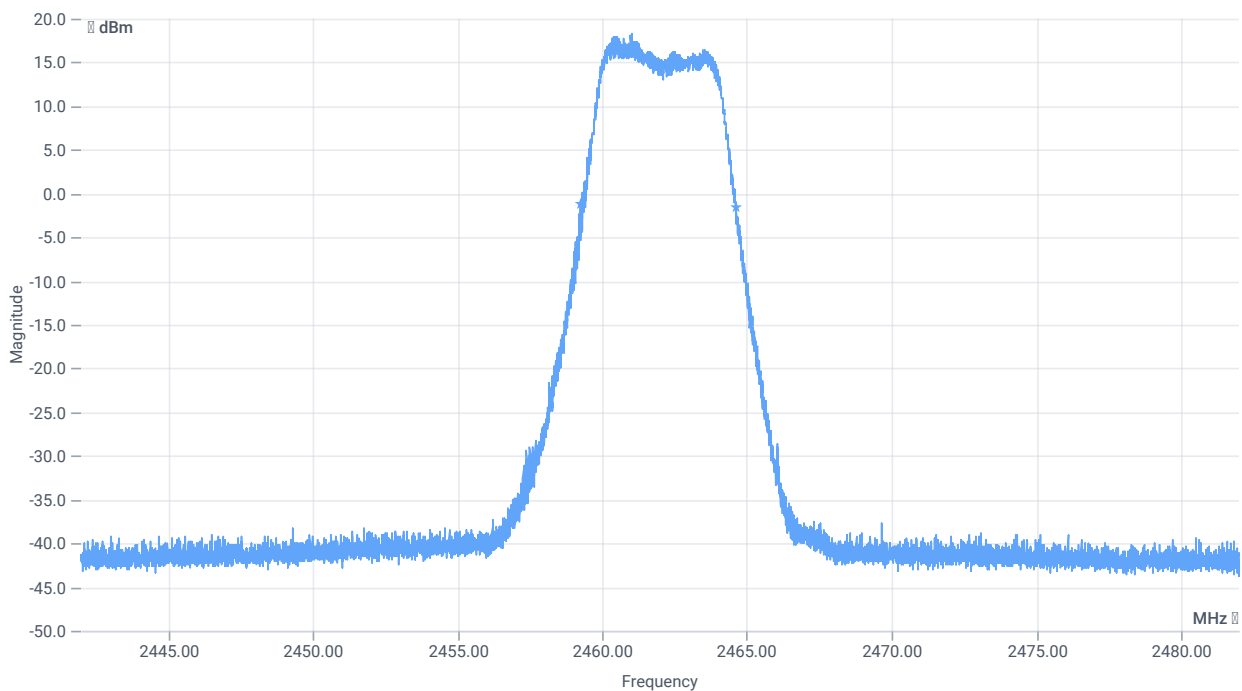




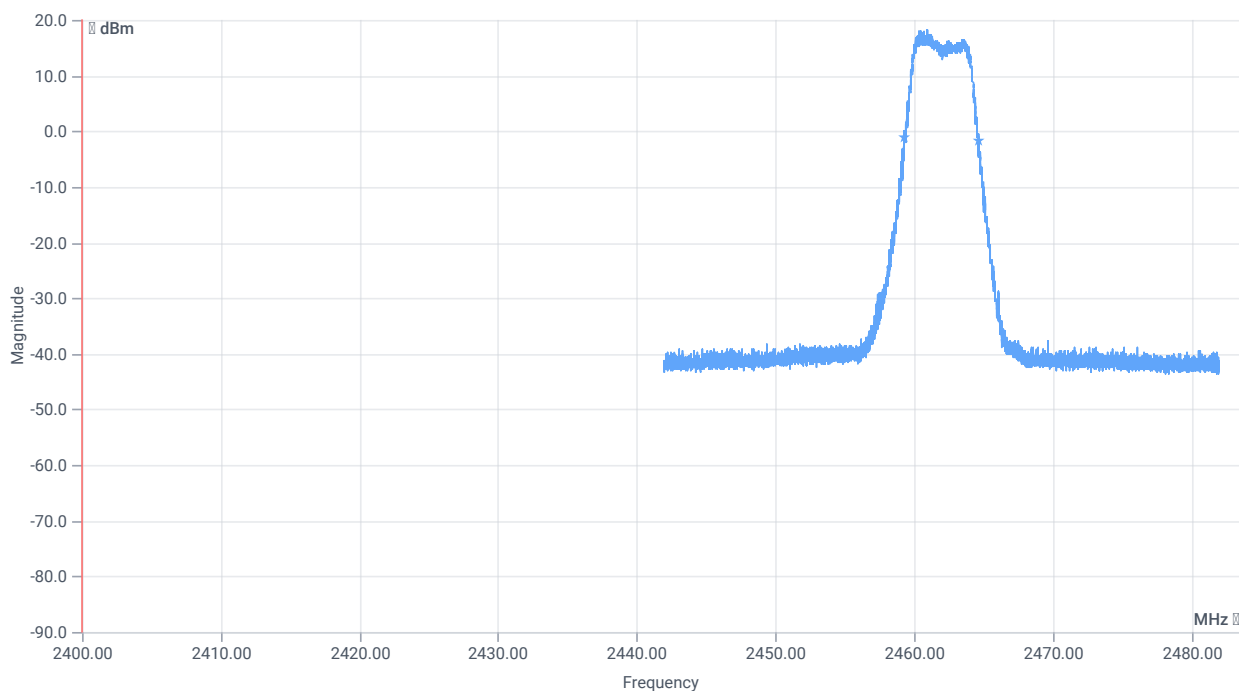
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4660.000	kHz	INFO
T1 99%	2400.000000	---	2459.6482	MHz	PASS
T2 99%	---	2483.500000	2464.3078	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5368	kHz	INFO
T1 20dB	2400.000000	---	2459.2680	MHz	PASS
T2 20dB	---	2483.500000	2464.6360	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 13:42:43
Ambit temp (test rack) [°C] humidity [rel%]	22.3 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

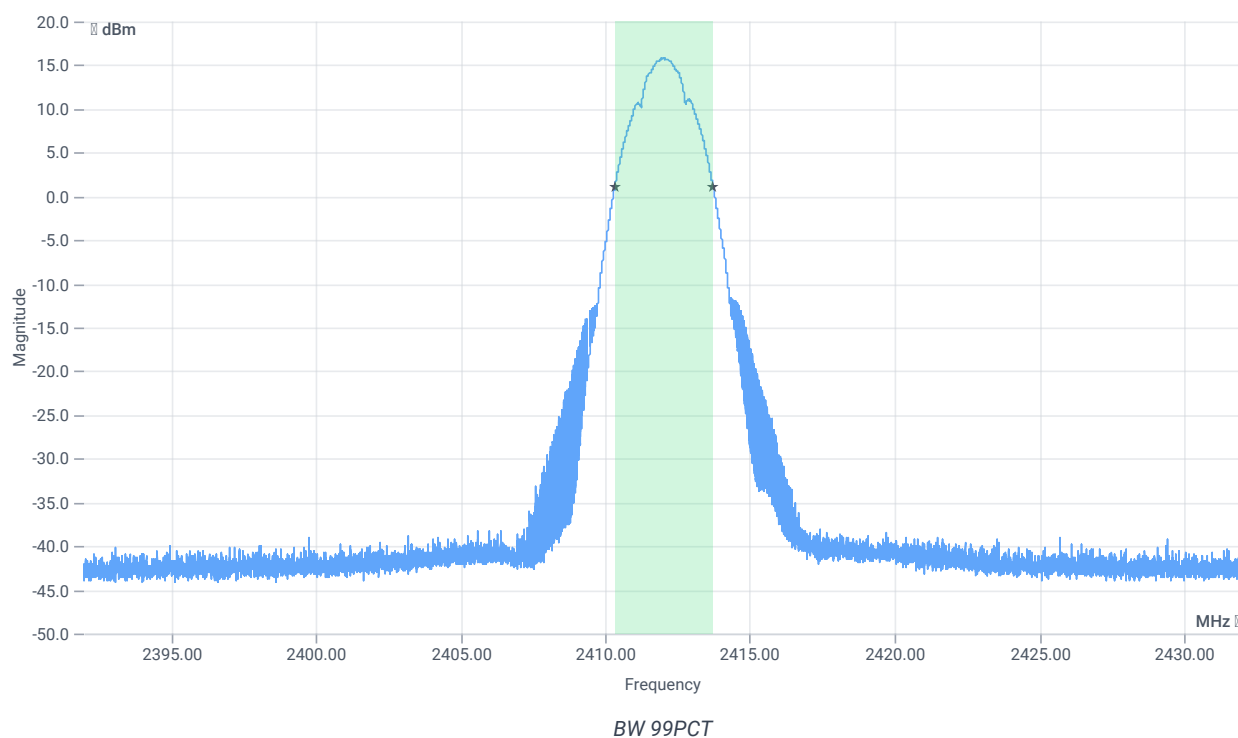
Test at TX 2412 MHz

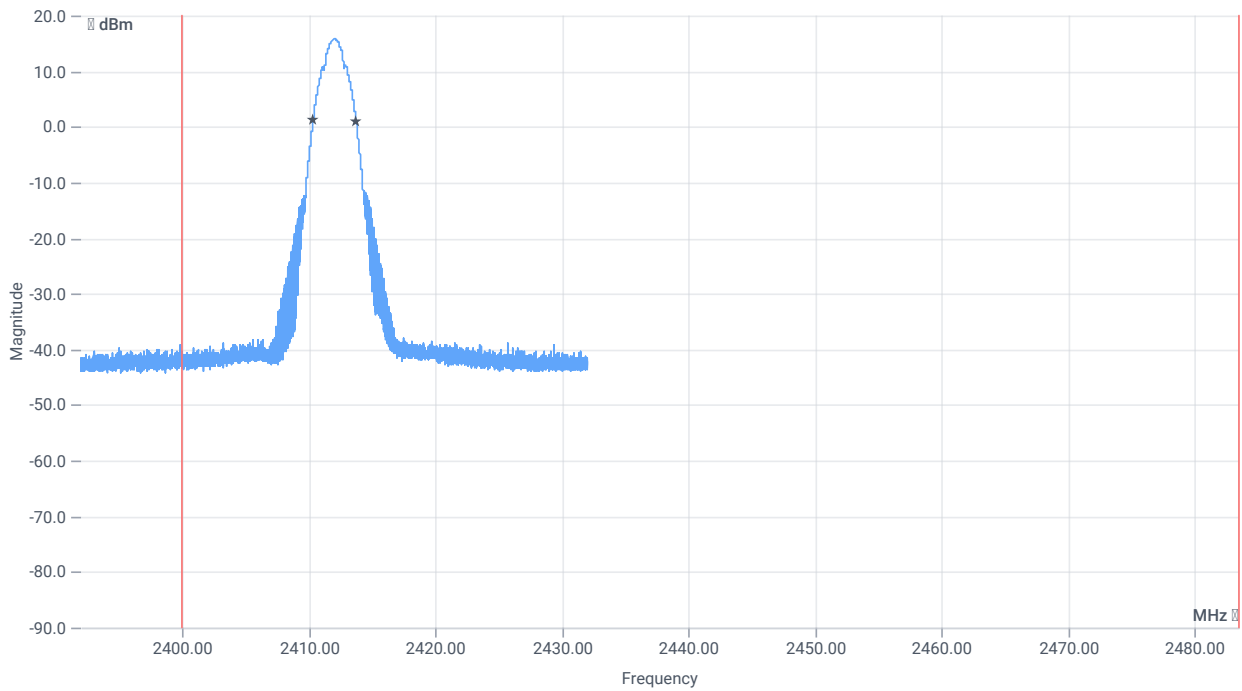
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.76	dBm	INFO
Ref. frequency	---	---	2412.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.76 11.32 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

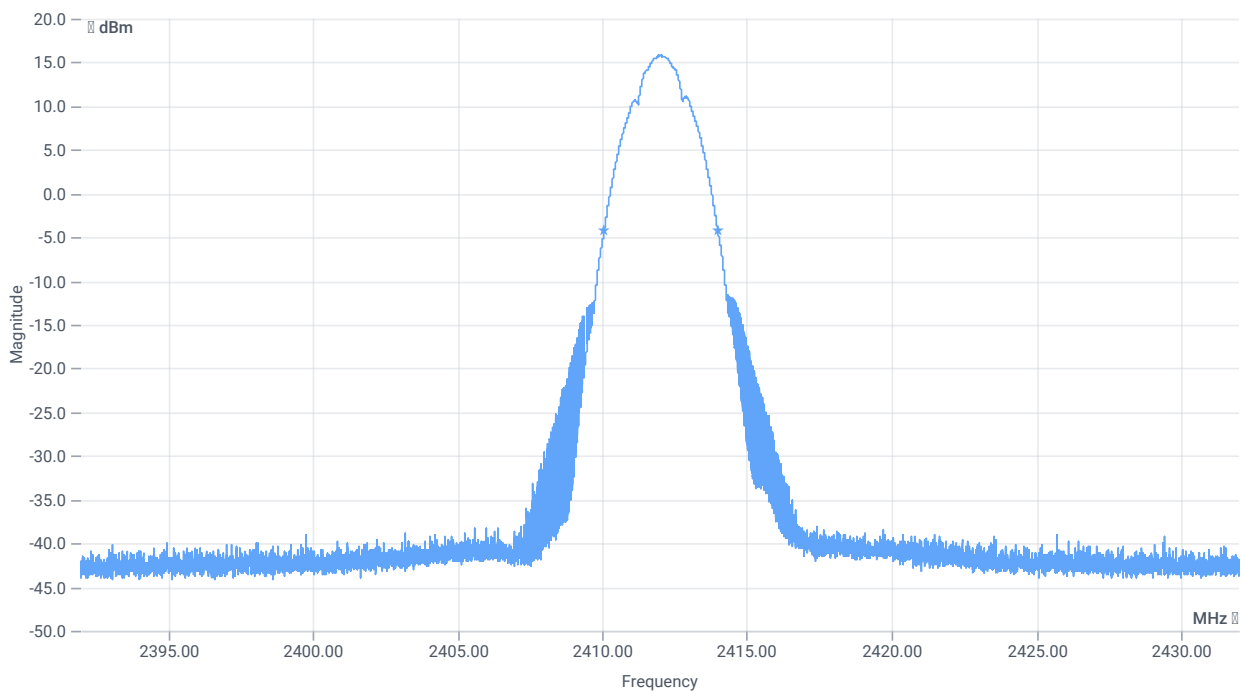




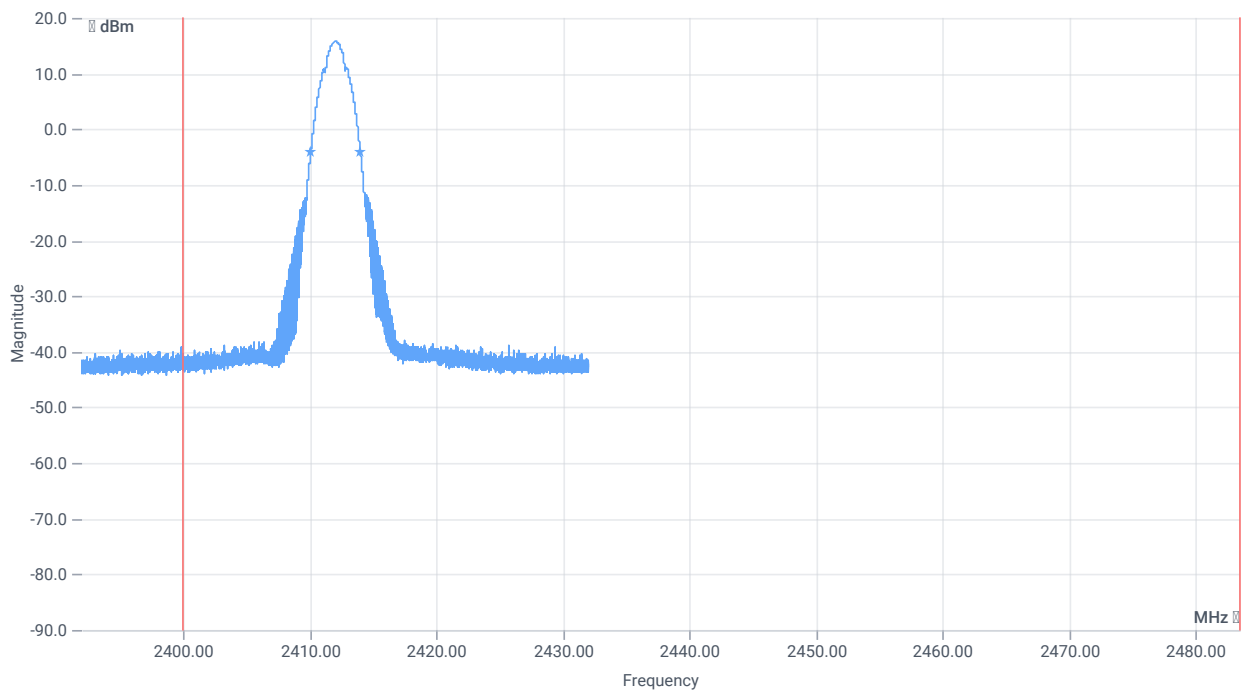
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	3396.000	kHz	INFO
T1 99%	2400.000000	---	2410.3362	MHz	PASS
T2 99%	---	2483.500000	2413.7318	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	3916	kHz	INFO
T1 20dB	2400.000000	---	2410.0720	MHz	PASS
T2 20dB	---	2483.500000	2413.9880	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:20:14
Ambit temp (test rack) [°C] humidity [rel%]	22.7 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

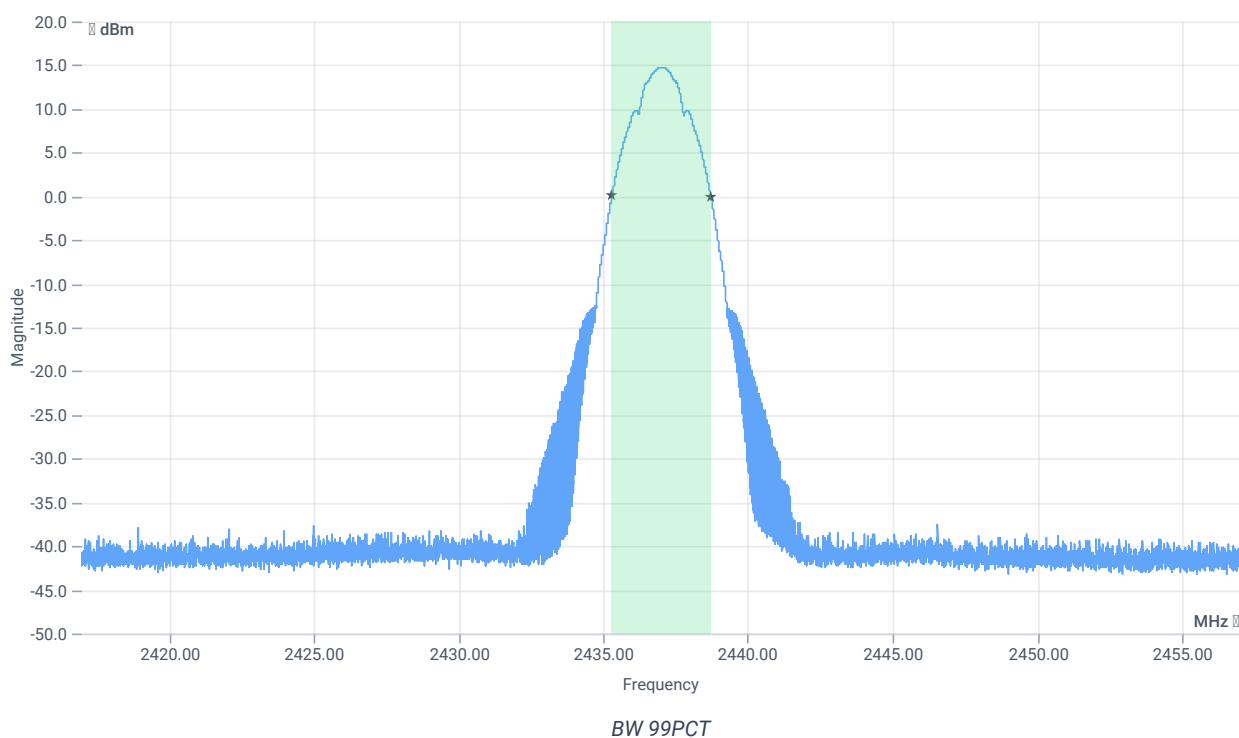
Test at TX 2437 MHz

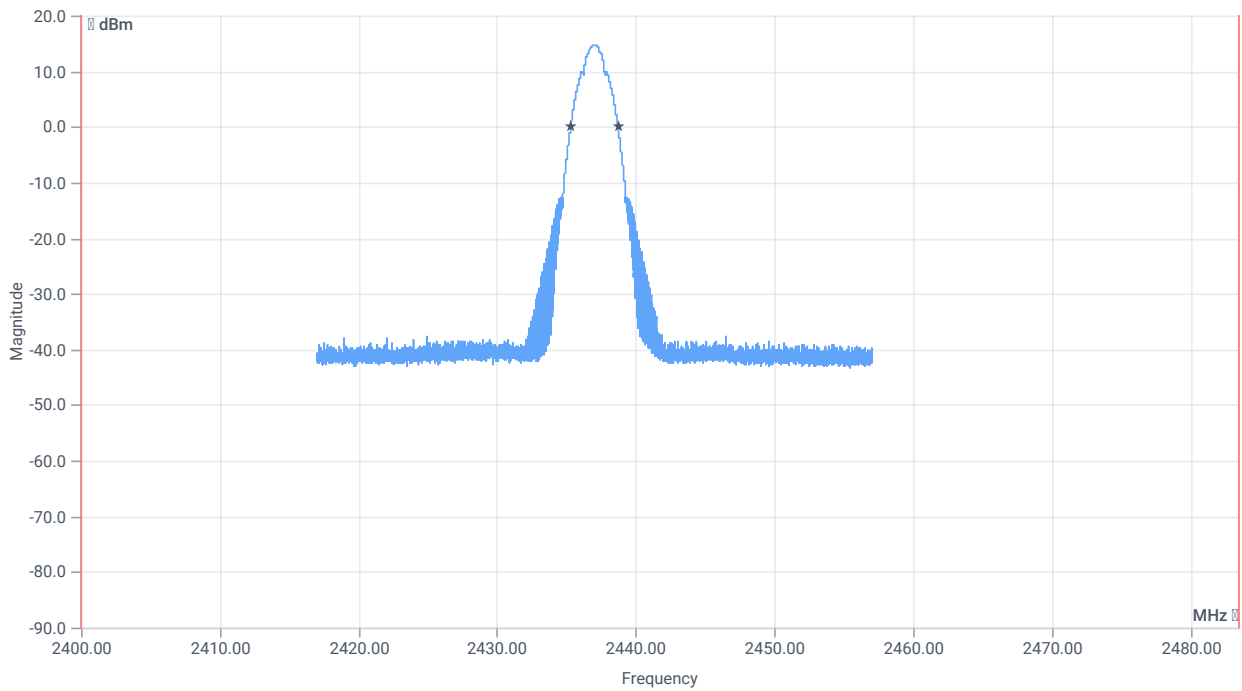
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.65	dBm	INFO
Ref. frequency	---	---	2437.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.65 11.75 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

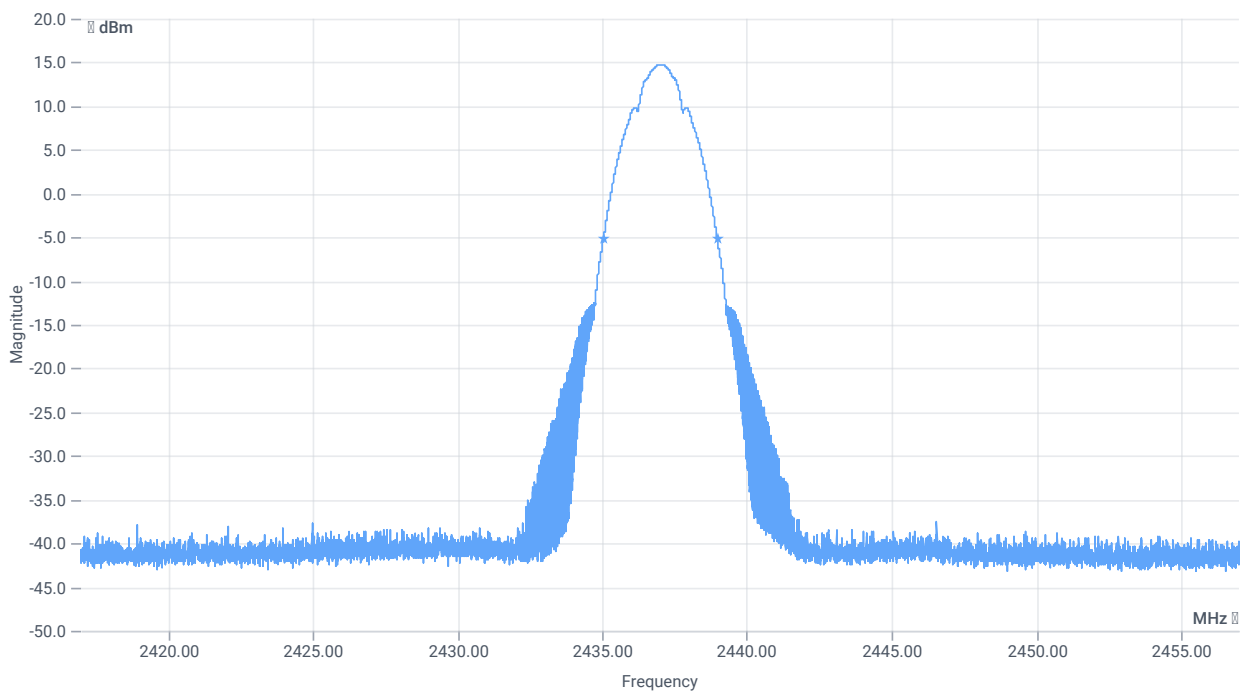




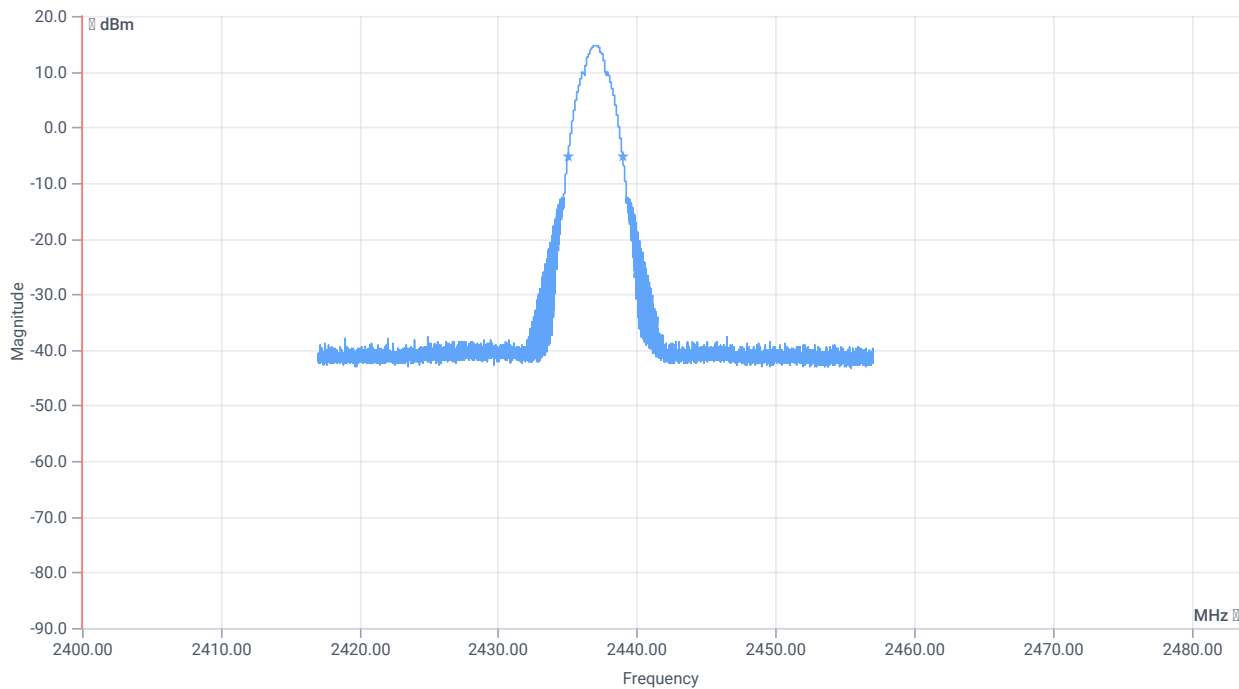
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	3408.000	kHz	INFO
T1 99%	2400.000000	---	2435.3082	MHz	PASS
T2 99%	---	2483.500000	2438.7158	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	3928	kHz	INFO
T1 20dB	2400.000000	---	2435.0480	MHz	PASS
T2 20dB	---	2483.500000	2438.9760	MHz	PASS

Verdict
PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:38:19
Ambit temp (test rack) [°C] humidity [rel%]	22.8 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

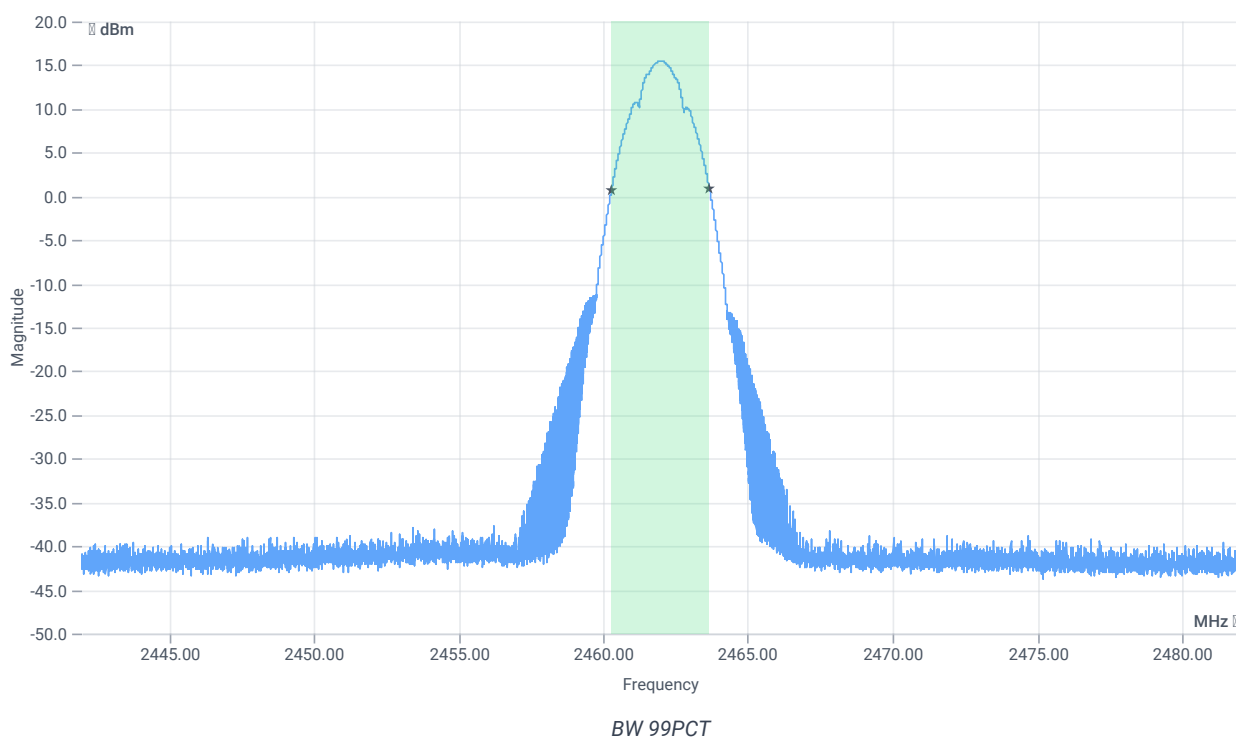
Test at TX 2462 MHz

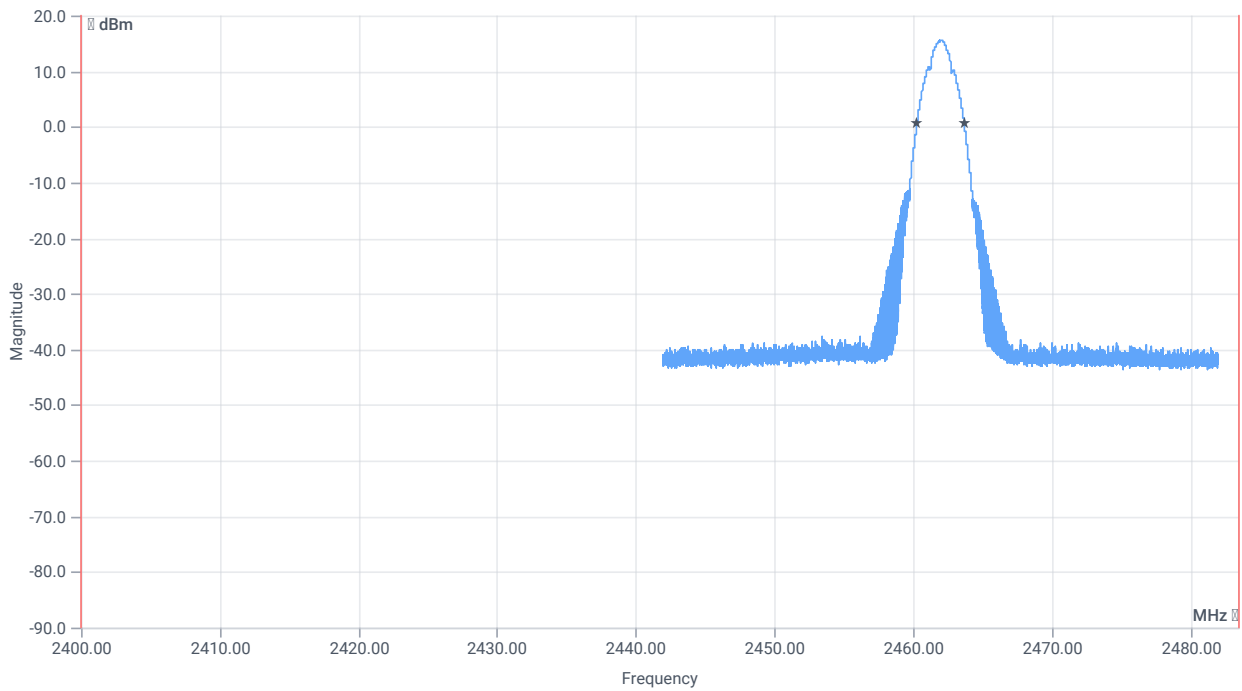
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.37	dBm	INFO
Ref. frequency	---	---	2462.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.37 12.02 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

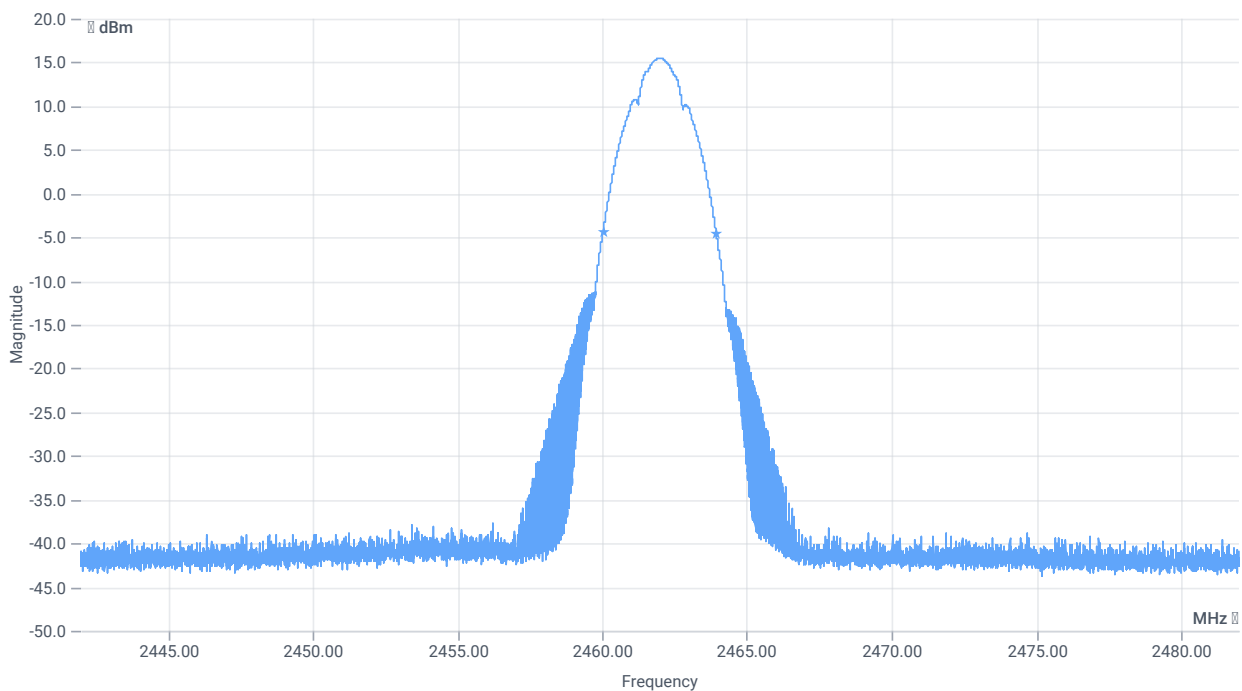




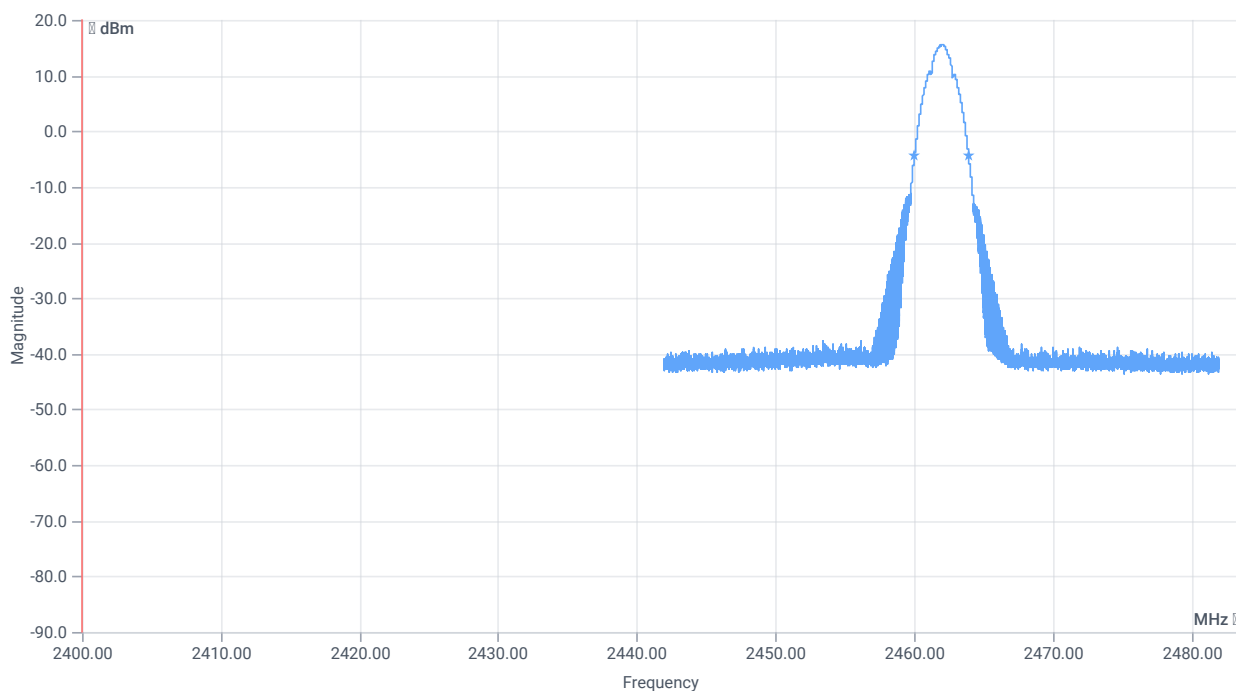
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	3388.000	kHz	INFO
T1 99%	2400.000000	---	2460.2882	MHz	PASS
T2 99%	---	2483.500000	2463.6758	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	3908	kHz	INFO
T1 20dB	2400.000000	---	2460.0320	MHz	PASS
T2 20dB	---	2483.500000	2463.9400	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 14:57:56
Ambit temp (test rack) [°C] humidity [rel%]	22.9 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

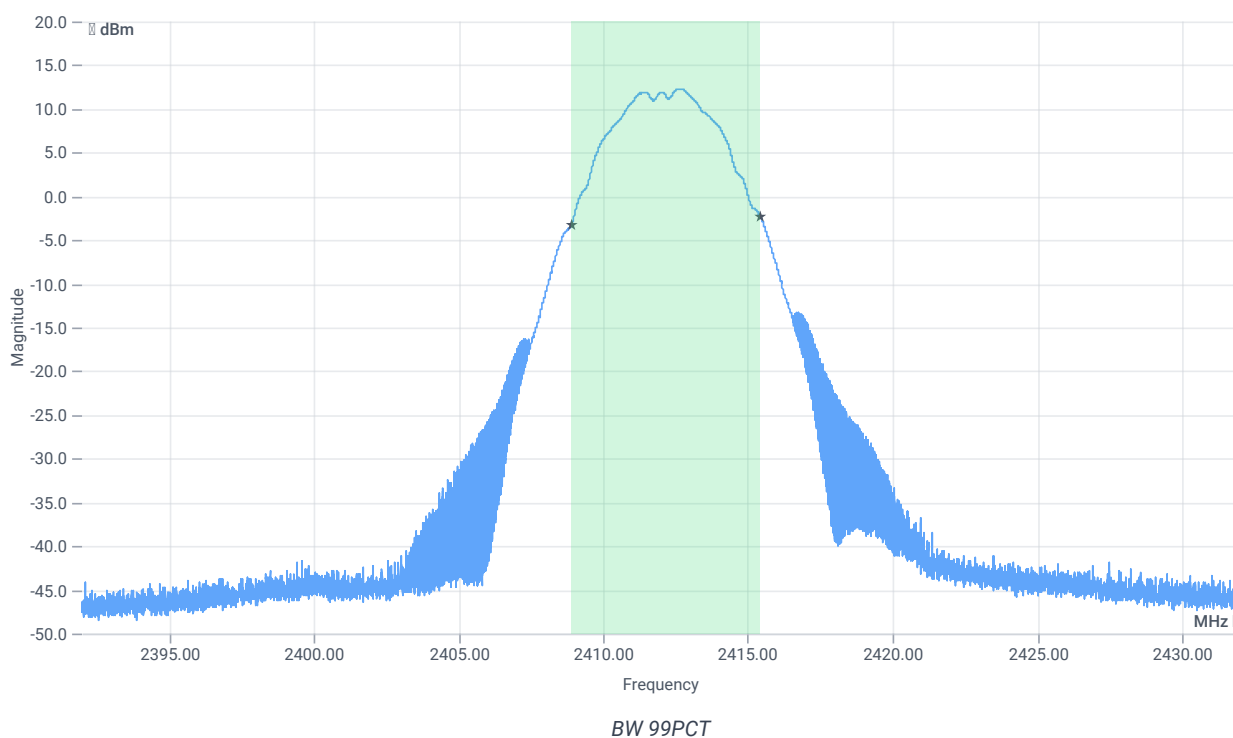
Test at TX 2412 MHz

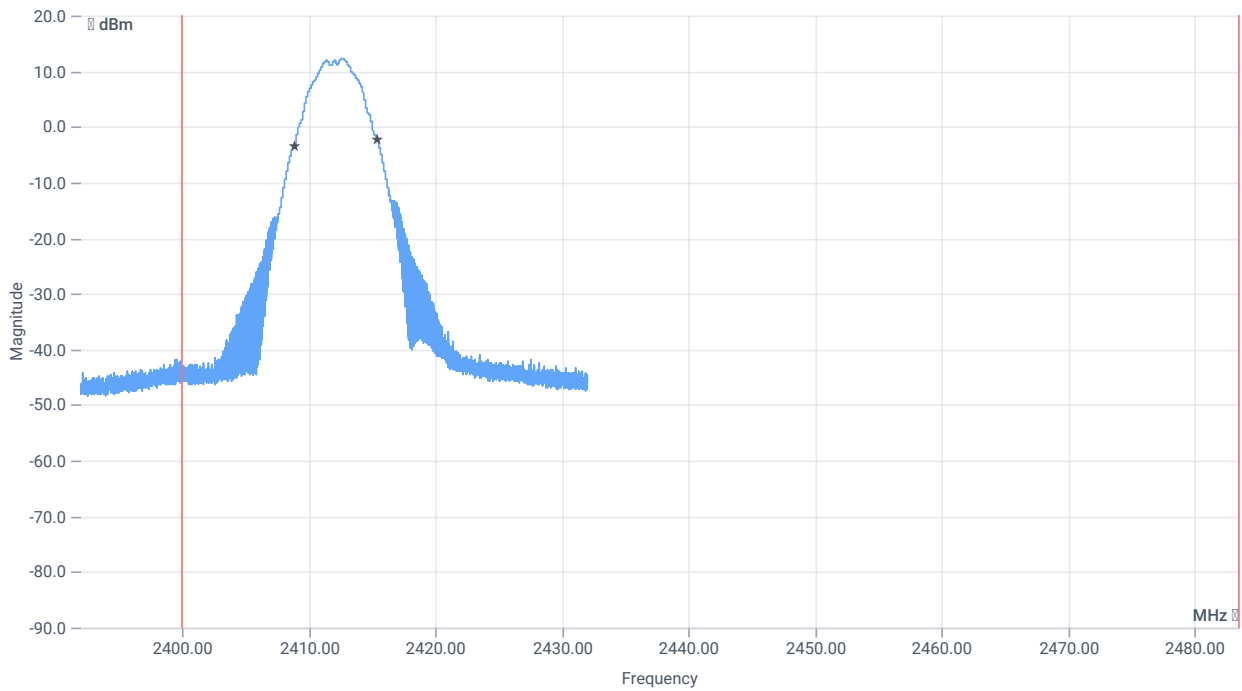
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.58	dBm	INFO
Ref. frequency	---	---	2412.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.58 11.43 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

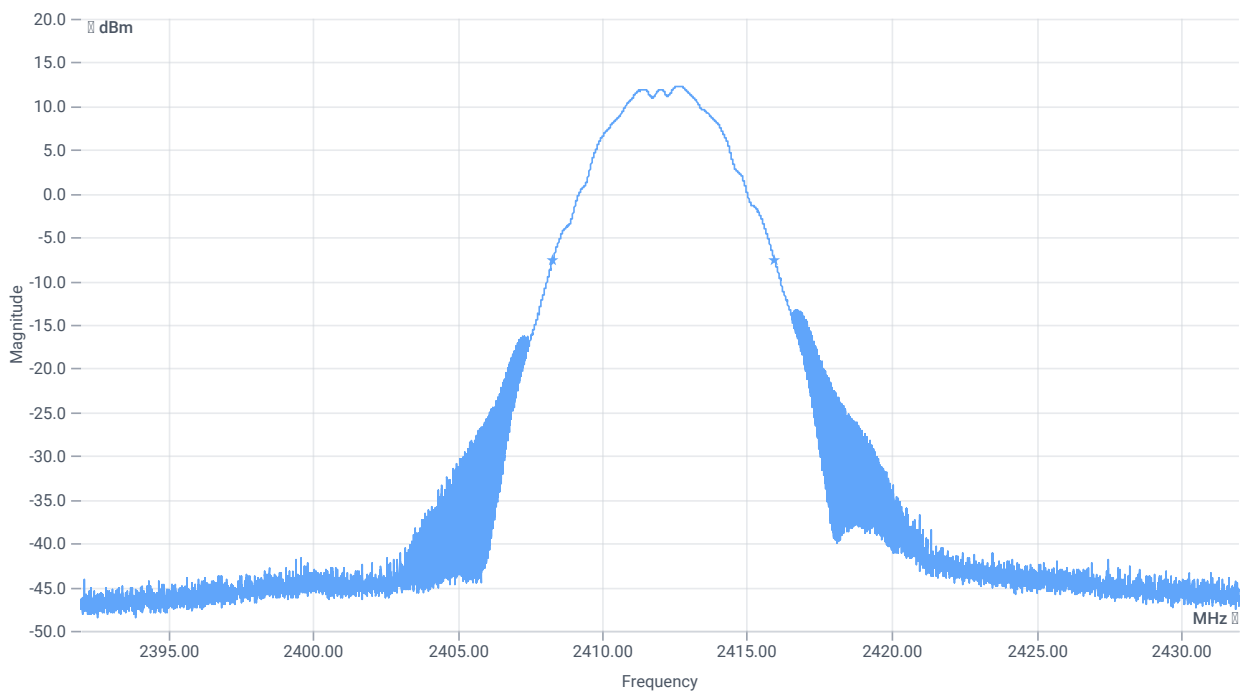




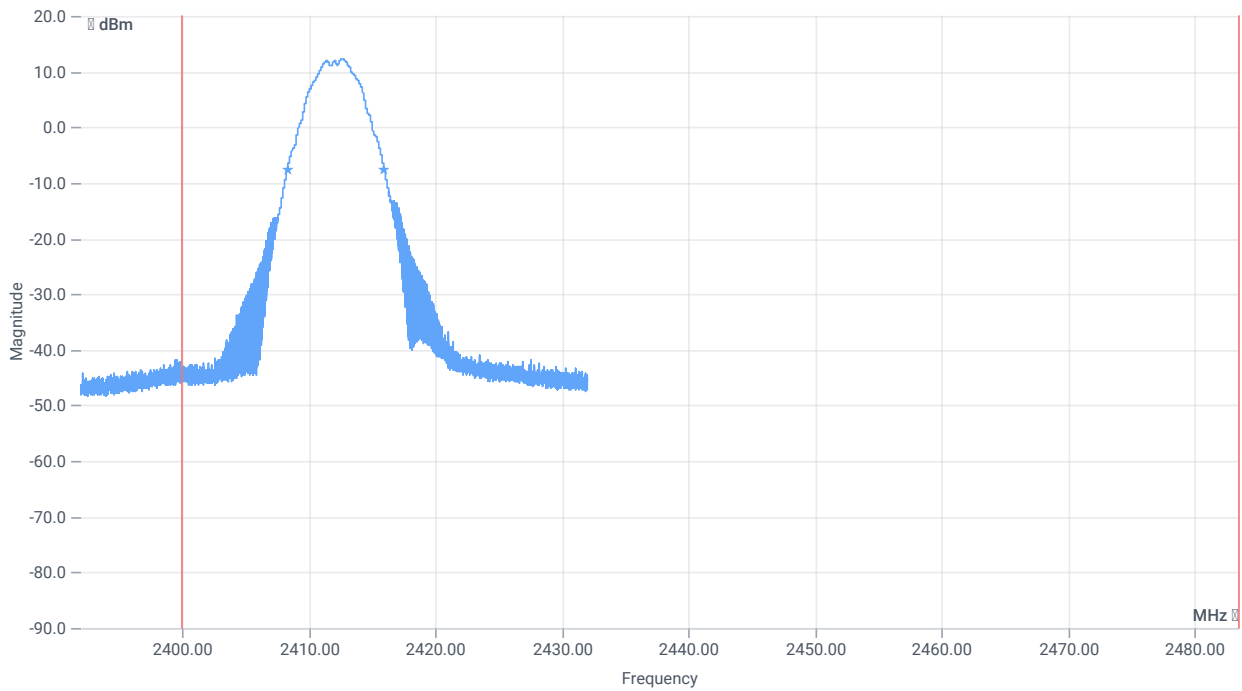
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6543.000	kHz	INFO
T1 99%	2400.000000	---	2408.8923	MHz	PASS
T2 99%	---	2483.500000	2415.4357	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7672	kHz	INFO
T1 20dB	2400.000000	---	2408.2920	MHz	PASS
T2 20dB	---	2483.500000	2415.9640	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 15:24:41
Ambit temp (test rack) [°C] humidity [rel%]	22.1 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

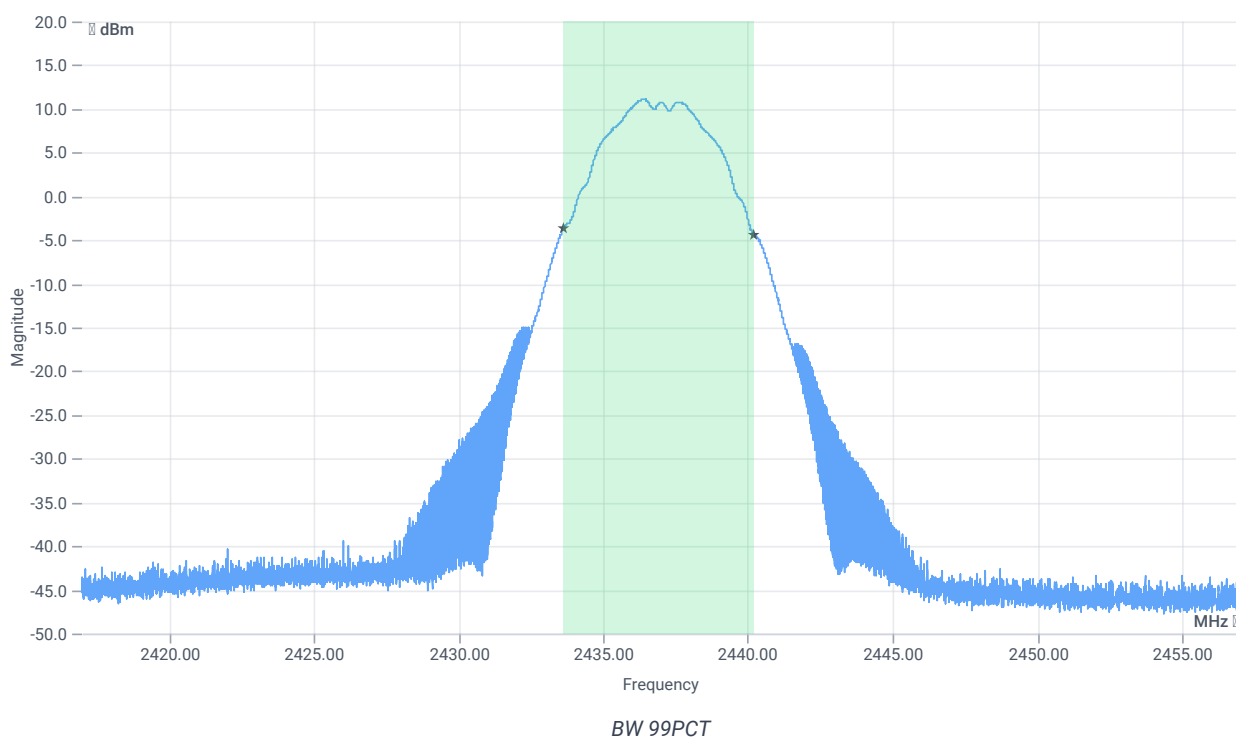
Test at TX 2437 MHz

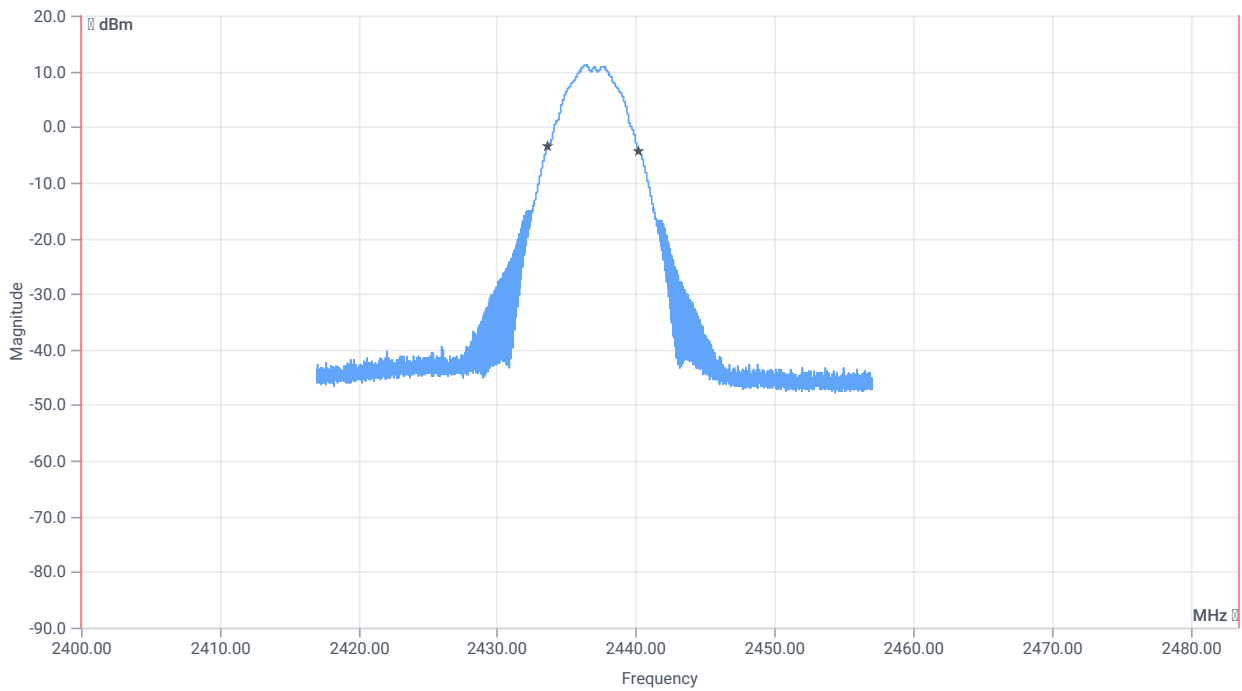
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.79	dBm	INFO
Ref. frequency	---	---	2437.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.79 11.4 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

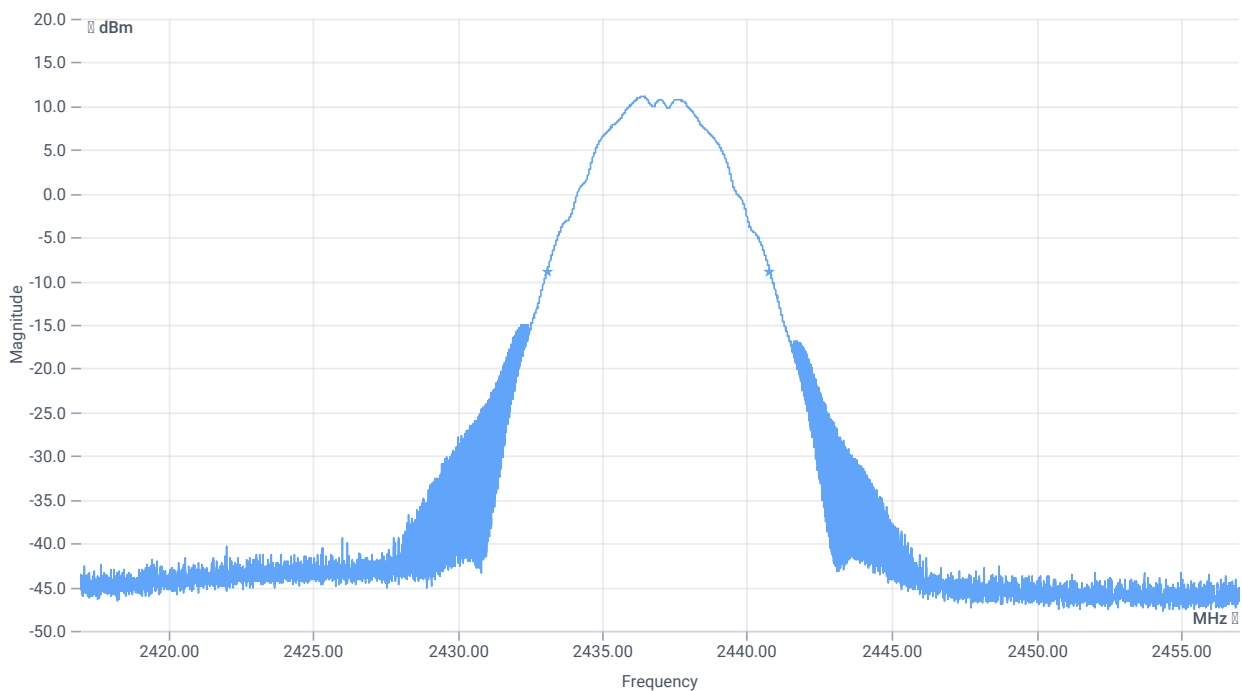




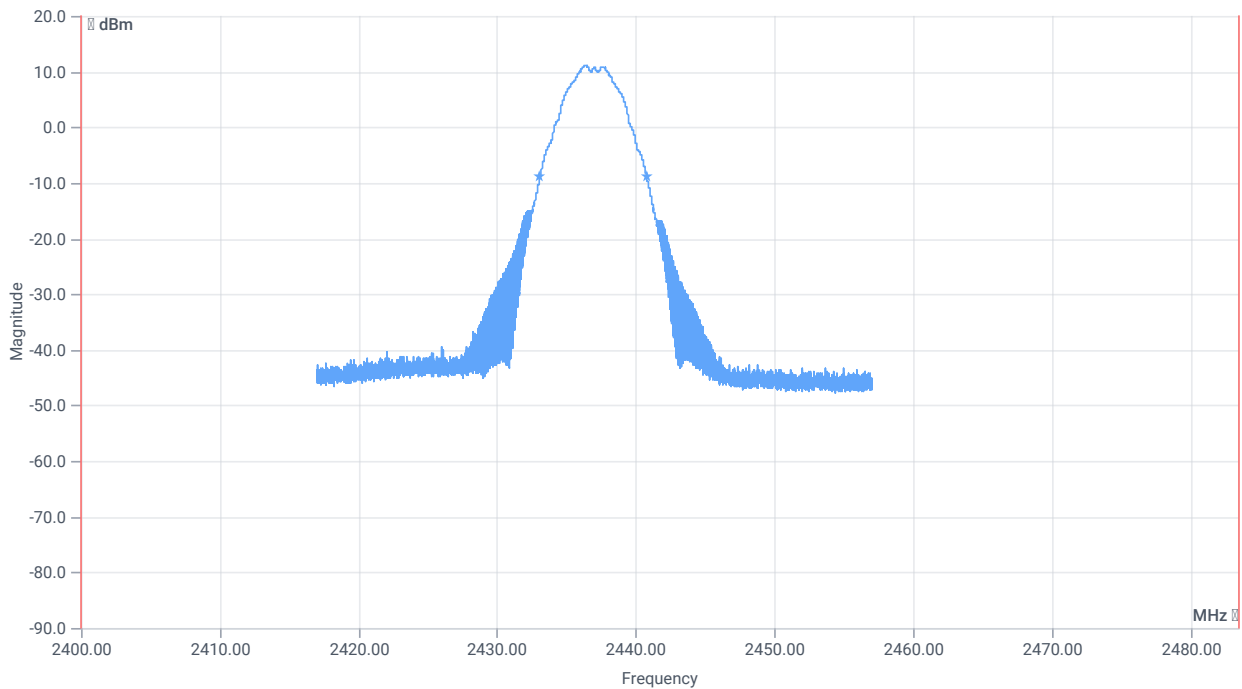
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6575.000	kHz	INFO
T1 99%	2400.000000	---	2433.6403	MHz	PASS
T2 99%	---	2483.500000	2440.2157	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7696	kHz	INFO
T1 20dB	2400.000000	---	2433.1000	MHz	PASS
T2 20dB	---	2483.500000	2440.7960	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 15:42:45
Ambit temp (test rack) [°C] humidity [rel%]	22.2 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

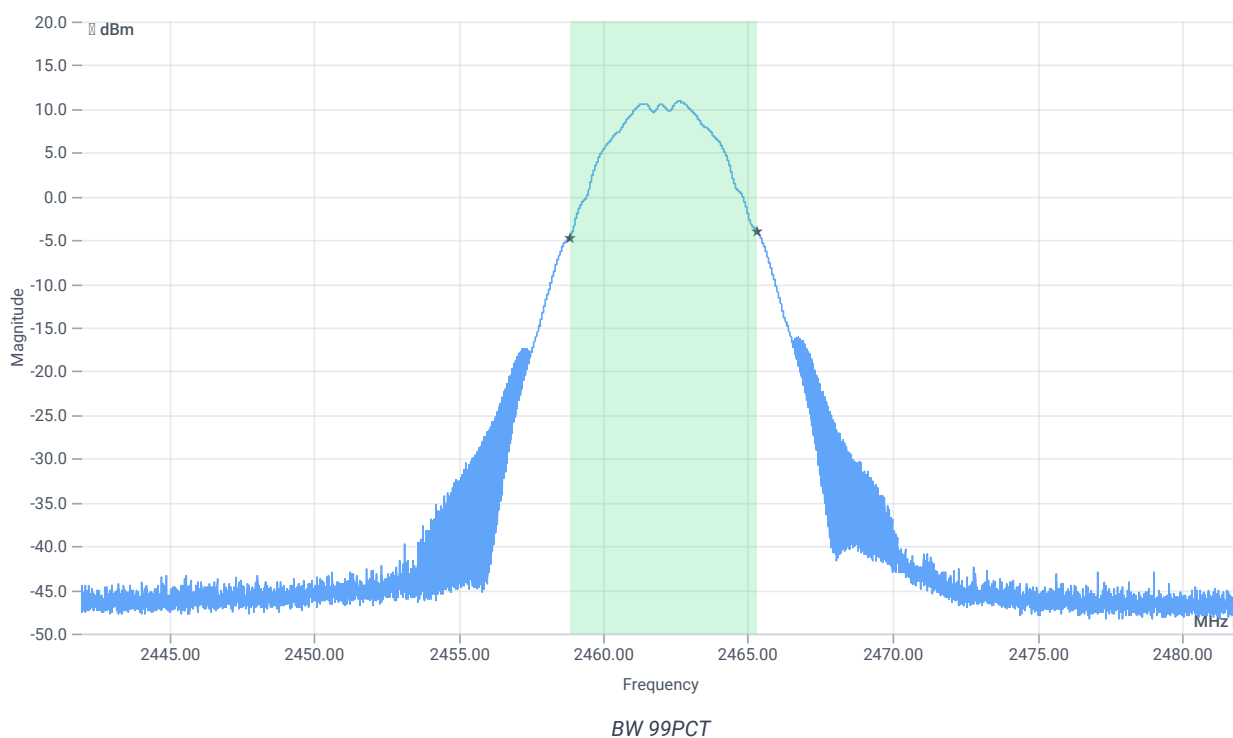
Test at TX 2462 MHz

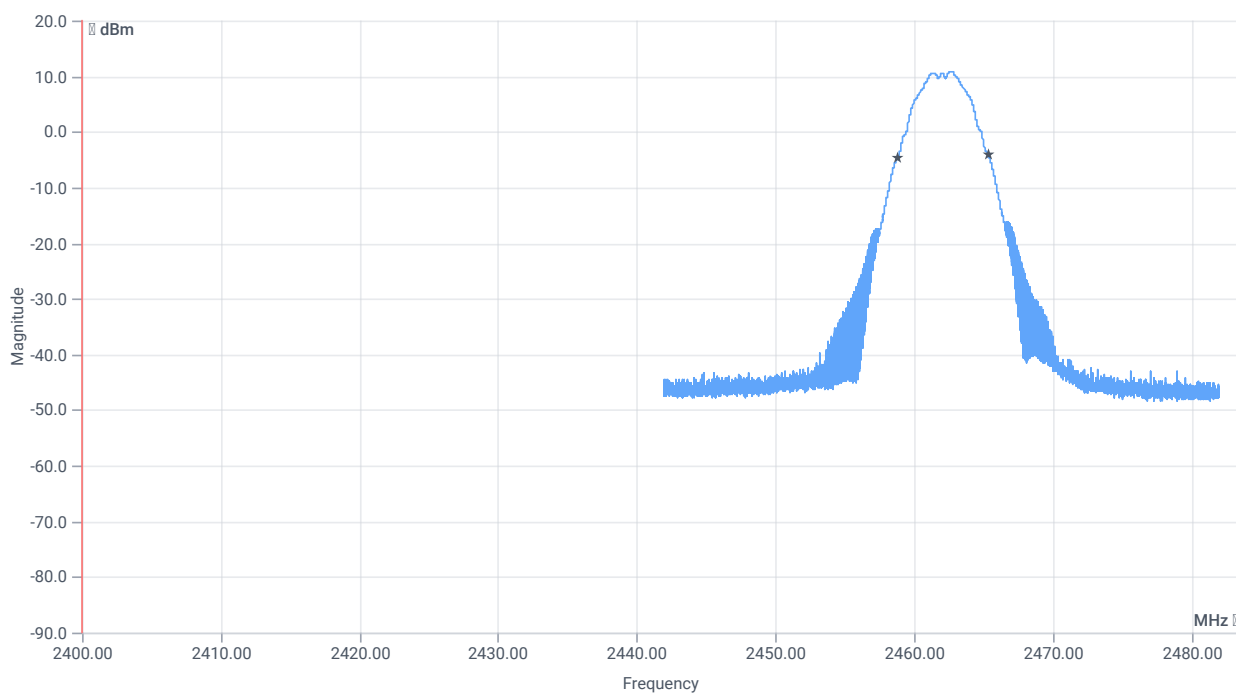
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.48	dBm	INFO
Ref. frequency	---	---	2462.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.48 11.42 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

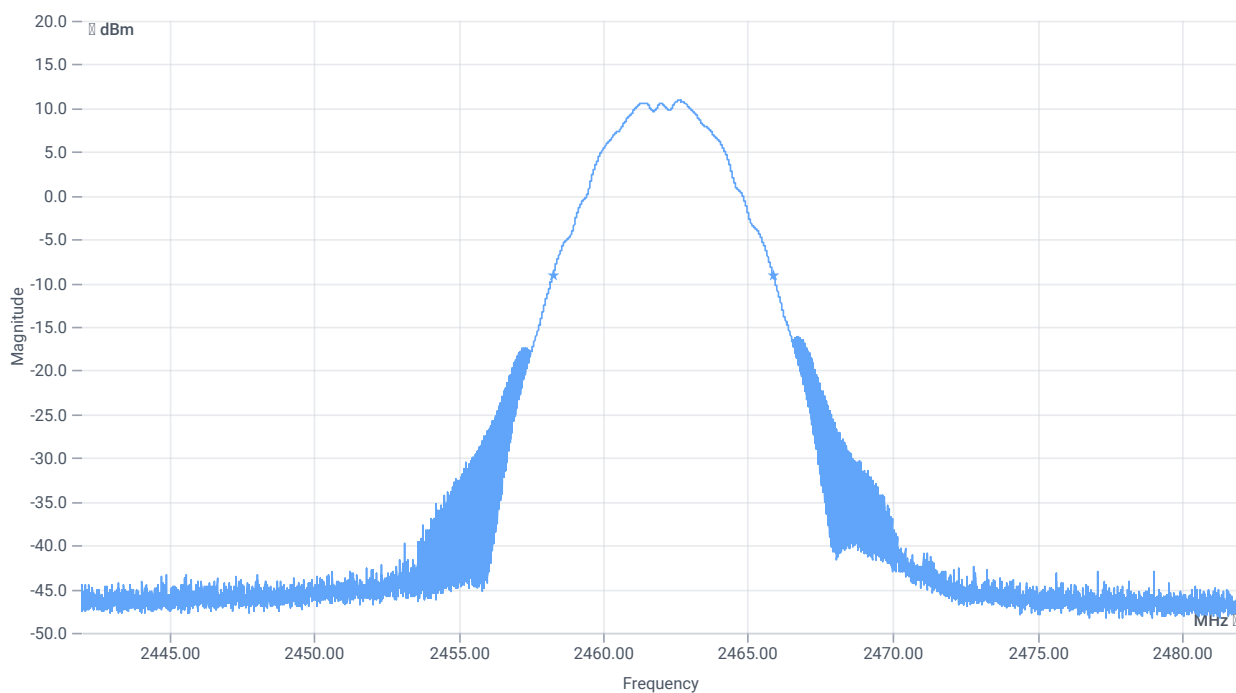




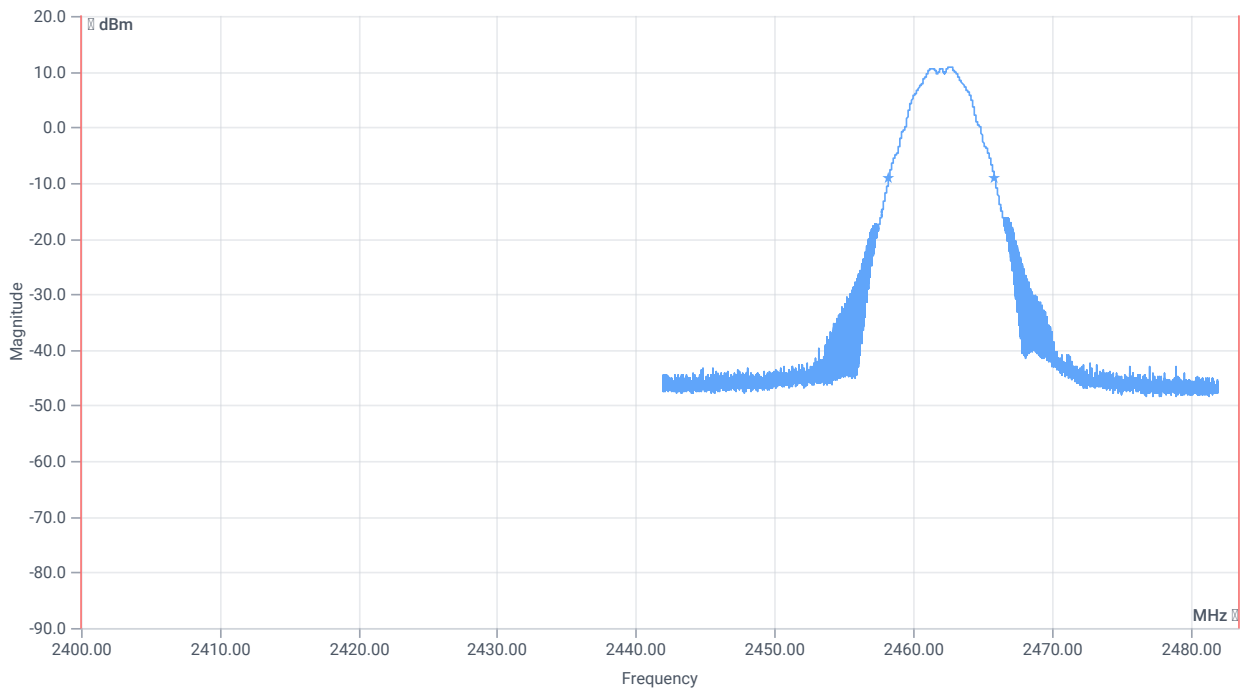
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6479.000	kHz	INFO
T1 99%	2400.000000	---	2458.8483	MHz	PASS
T2 99%	---	2483.500000	2465.3277	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7612	kHz	INFO
T1 20dB	2400.000000	---	2458.2600	MHz	PASS
T2 20dB	---	2483.500000	2465.8720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 07:20:54
Ambit temp (test rack) [°C] humidity [rel%]	20.3 44
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

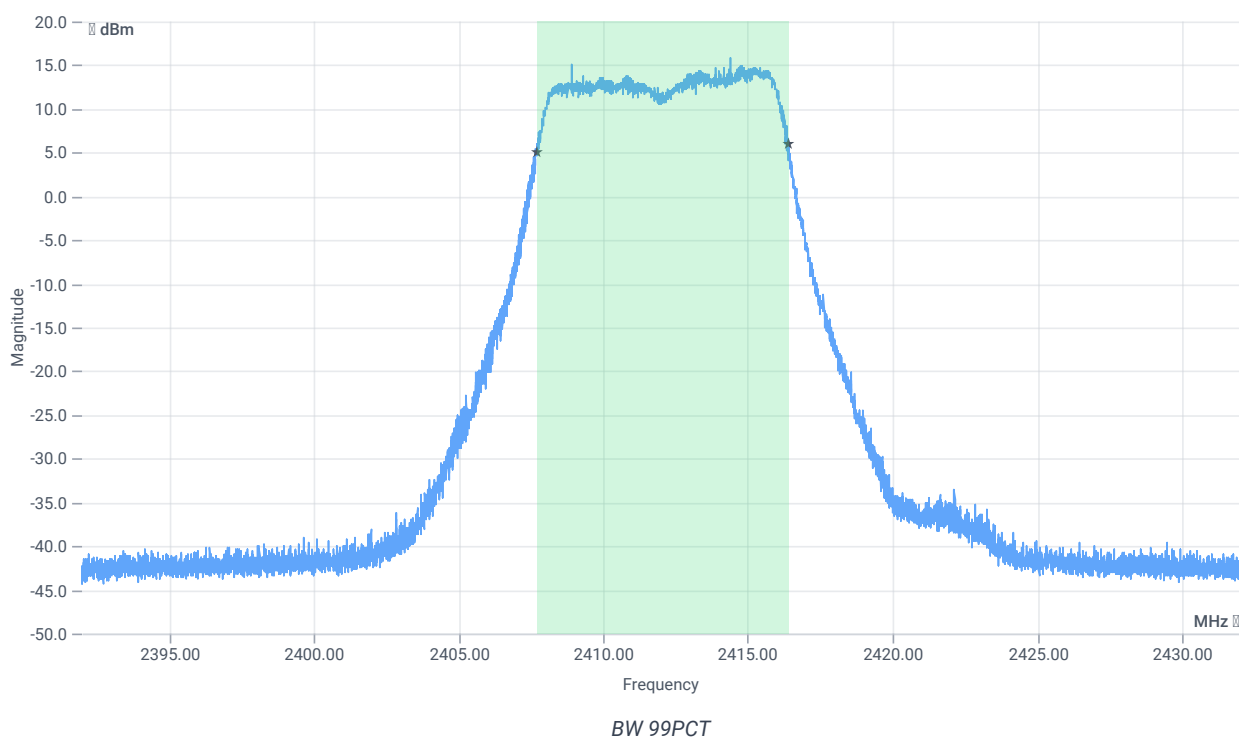
Test at TX 2412 MHz

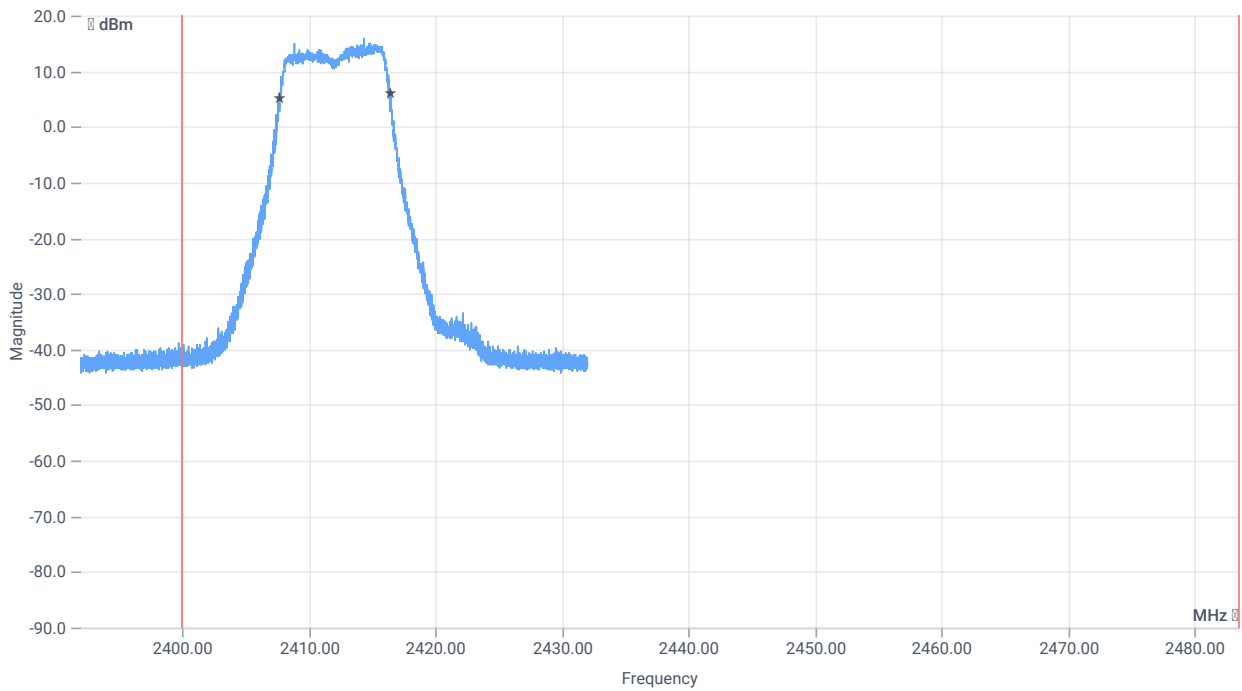
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.88	dBm	INFO
Ref. frequency	---	---	2414.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.88 11.32 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

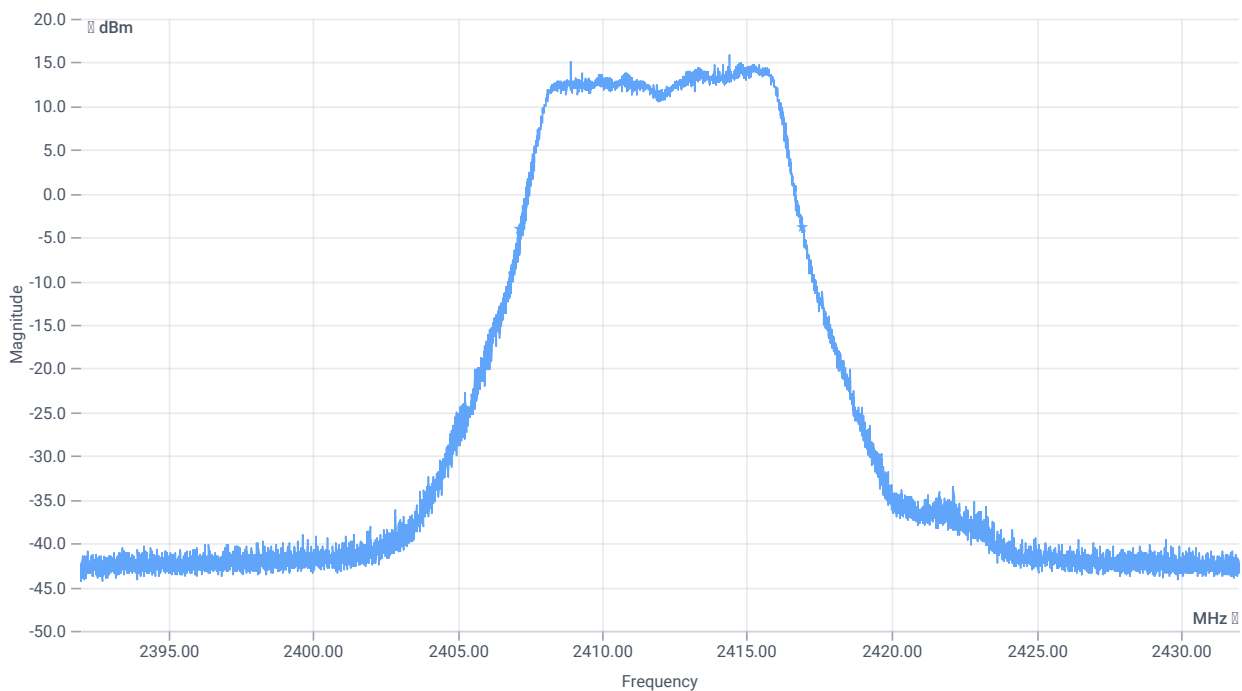




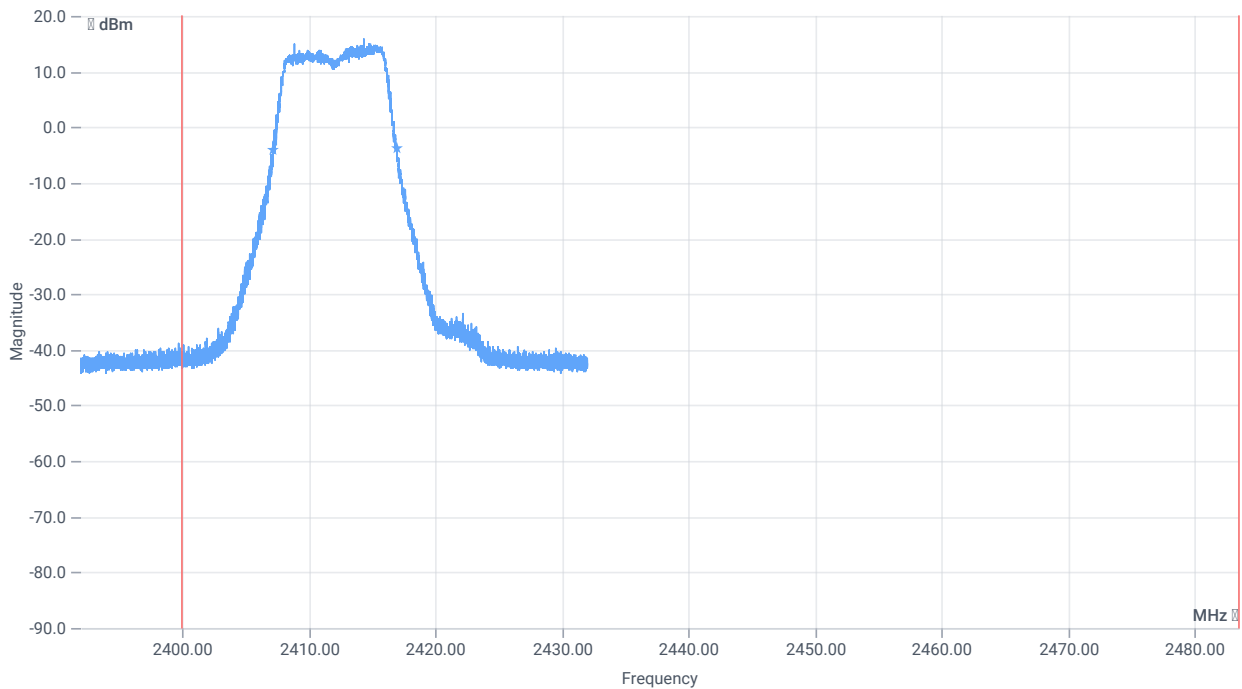
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8699.000	kHz	INFO
T1 99%	2400.000000	---	2407.6964	MHz	PASS
T2 99%	---	2483.500000	2416.3956	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	9792	kHz	INFO
T1 20dB	2400.000000	---	2407.1280	MHz	PASS
T2 20dB	---	2483.500000	2416.9200	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 08:24:51
Ambit temp (test rack) [°C] humidity [rel%]	21.0 42
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

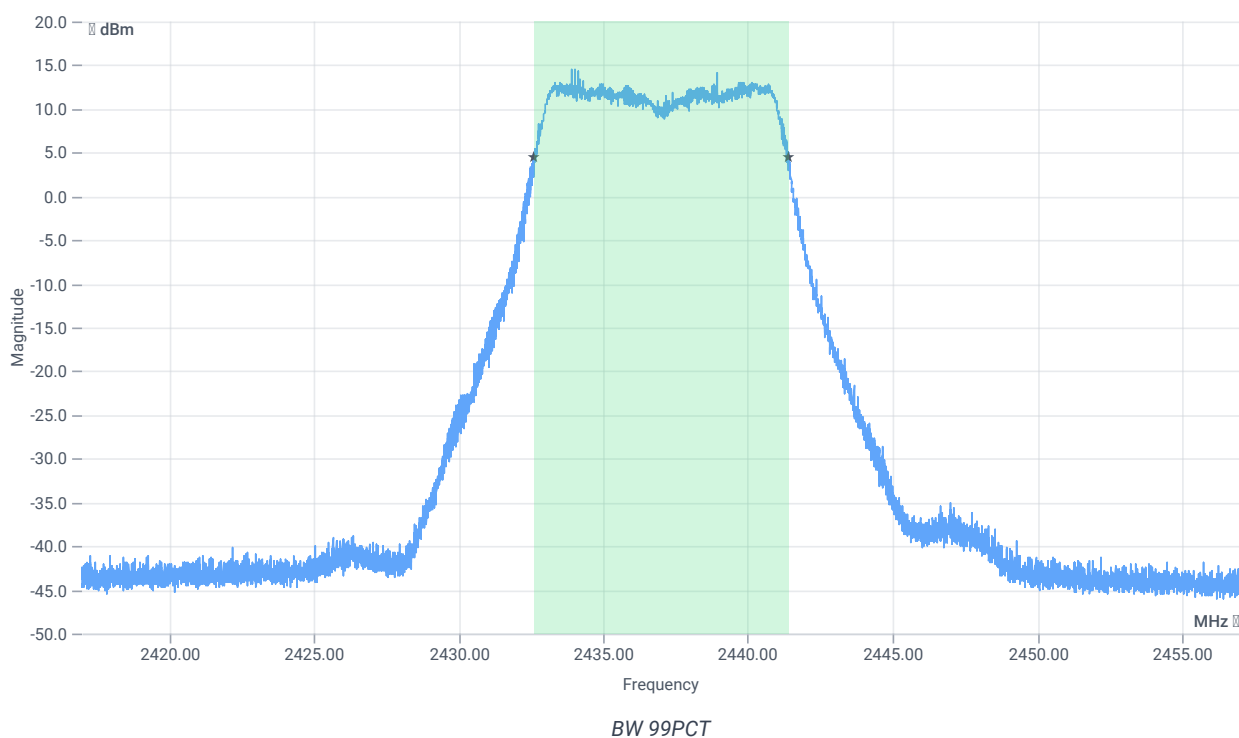
Test at TX 2437 MHz

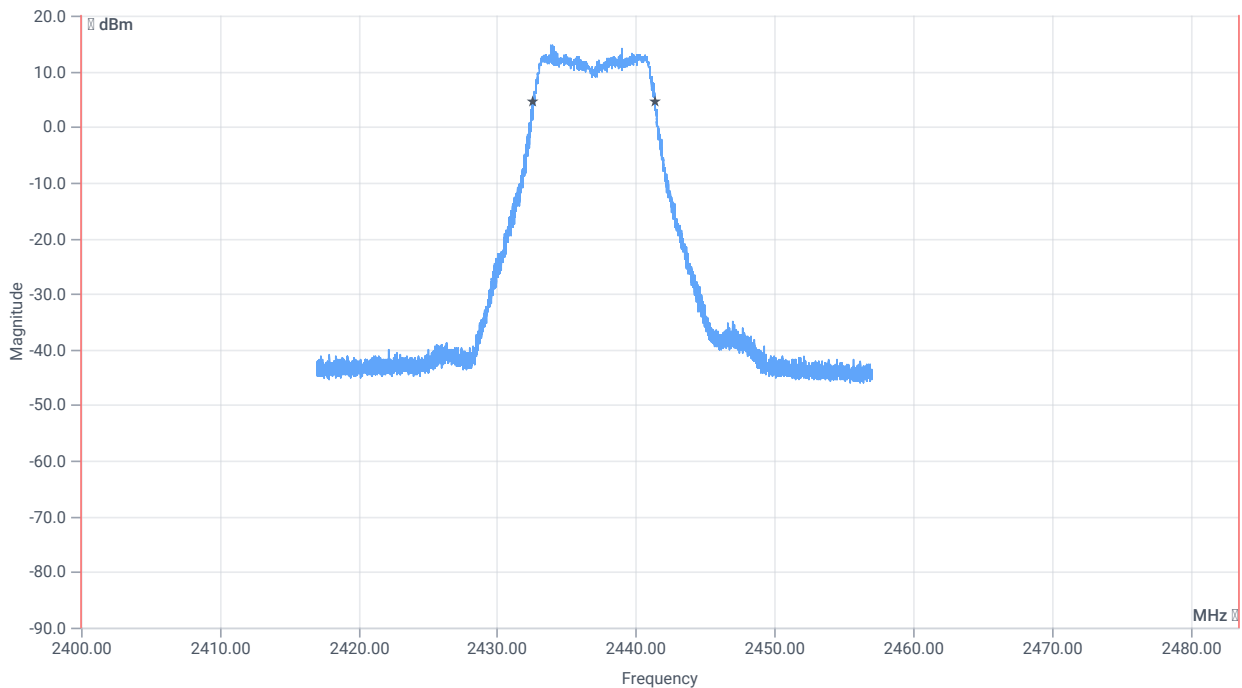
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.56	dBm	INFO
Ref. frequency	---	---	2440.300	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.56 11.75 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

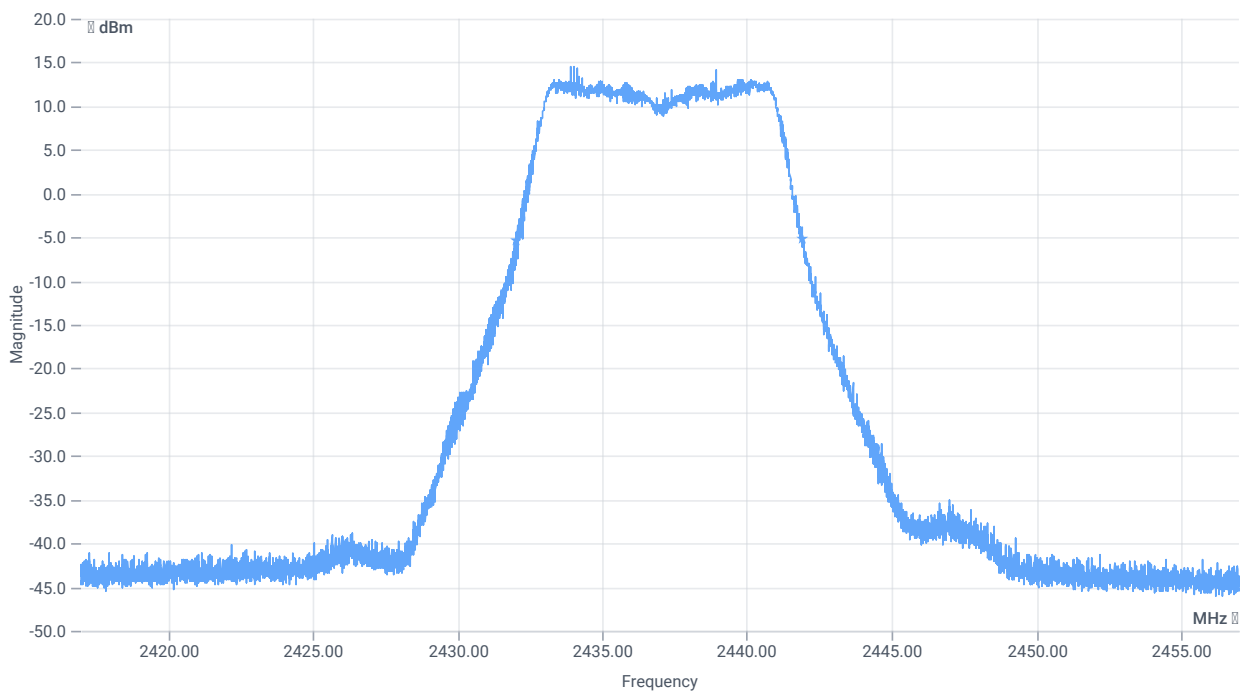




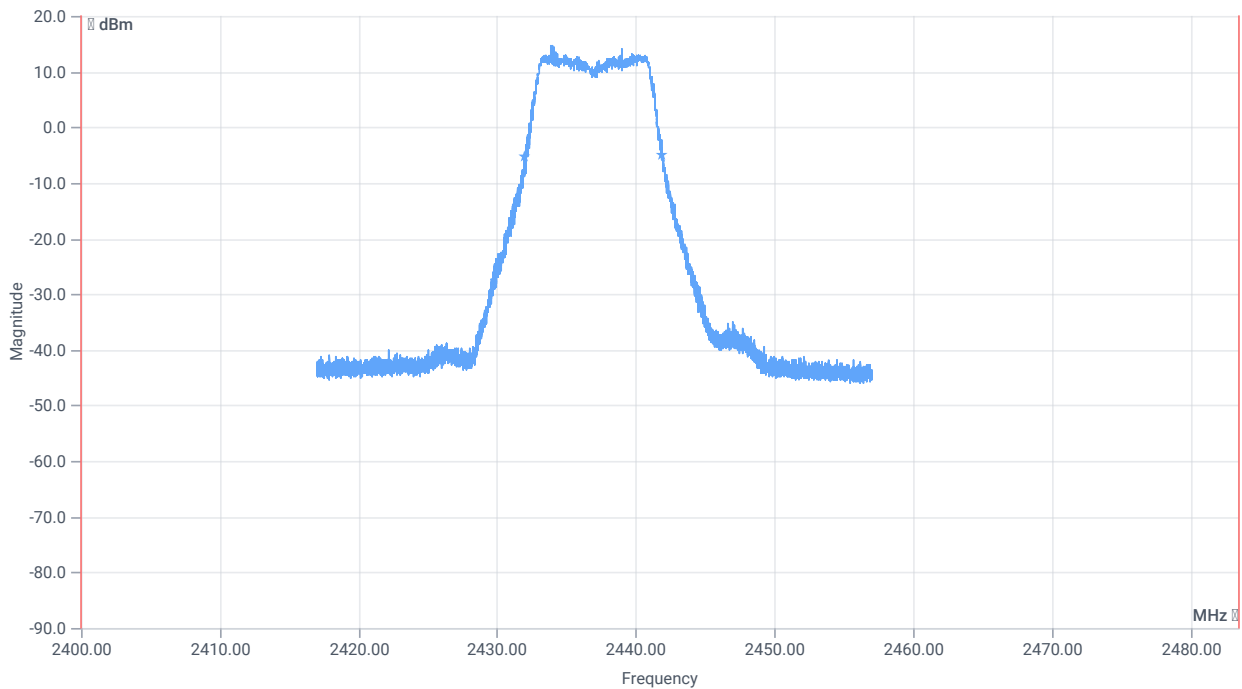
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8811.000	kHz	INFO
T1 99%	2400.000000	---	2432.5804	MHz	PASS
T2 99%	---	2483.500000	2441.3916	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	9912	kHz	INFO
T1 20dB	2400.000000	---	2432.0000	MHz	PASS
T2 20dB	---	2483.500000	2441.9120	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 08:45:56
Ambit temp (test rack) [°C] humidity [rel%]	21.3 42
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

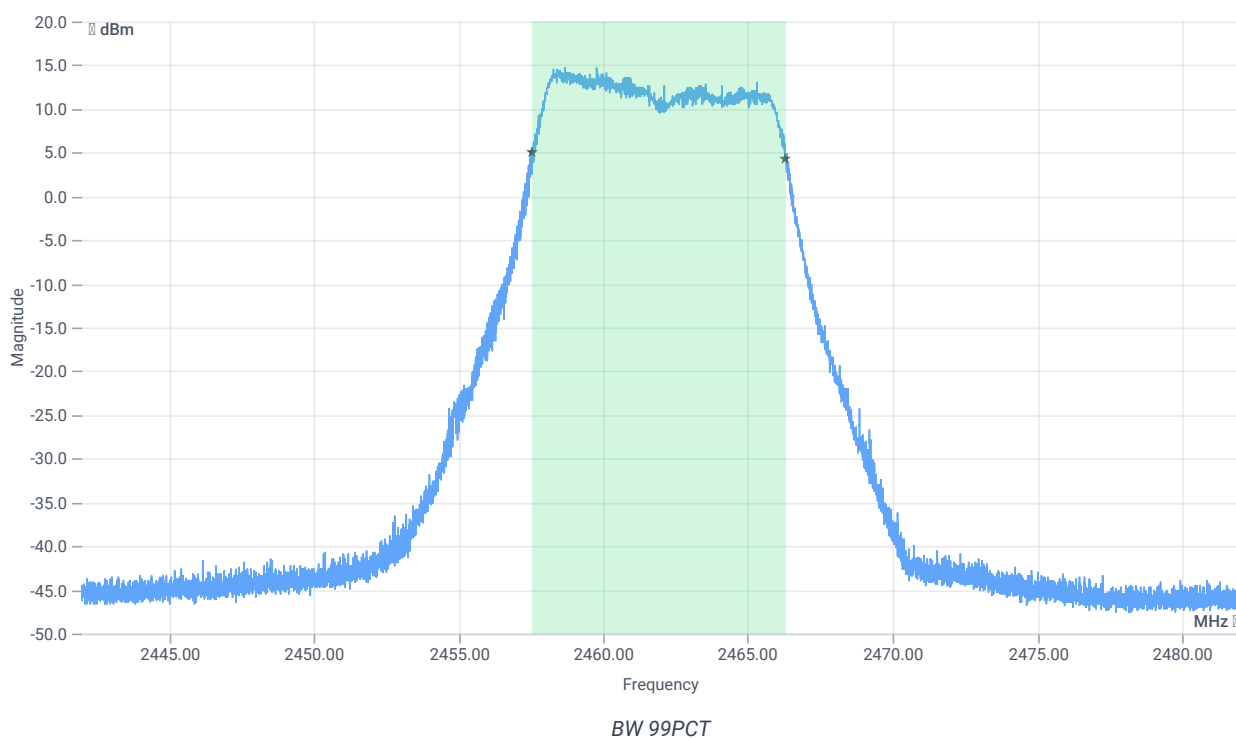
Test at TX 2462 MHz

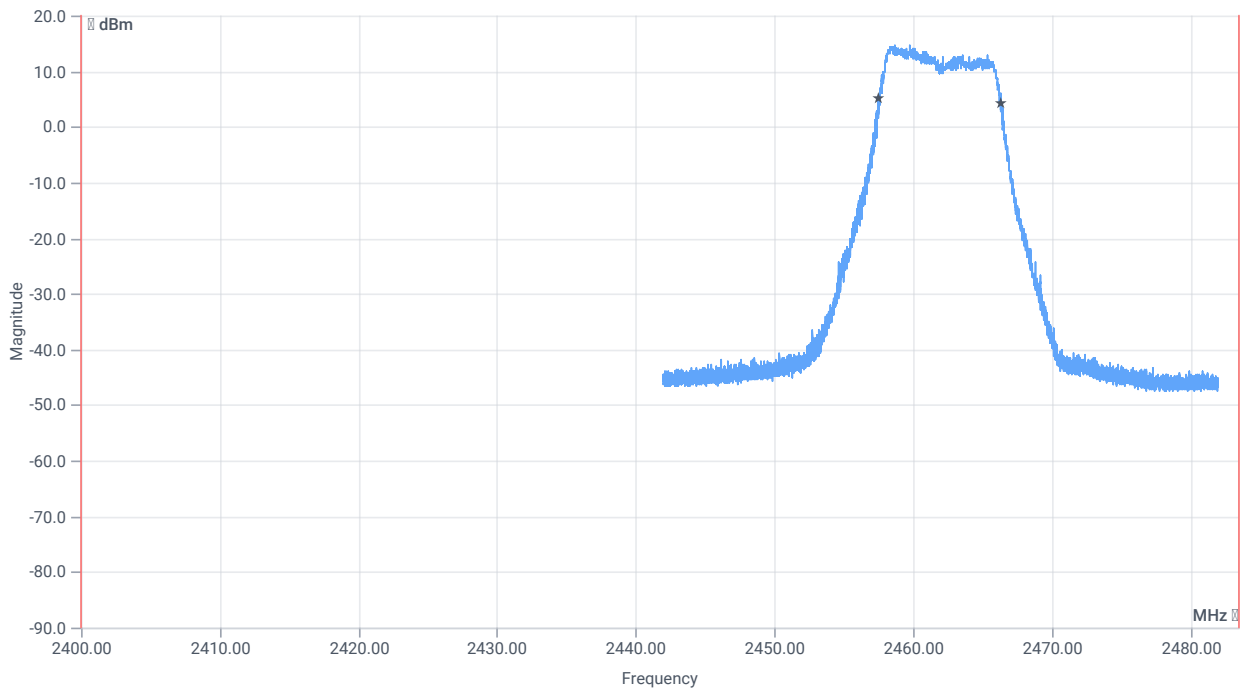
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.84	dBm	INFO
Ref. frequency	---	---	2460.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.84 12.02 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

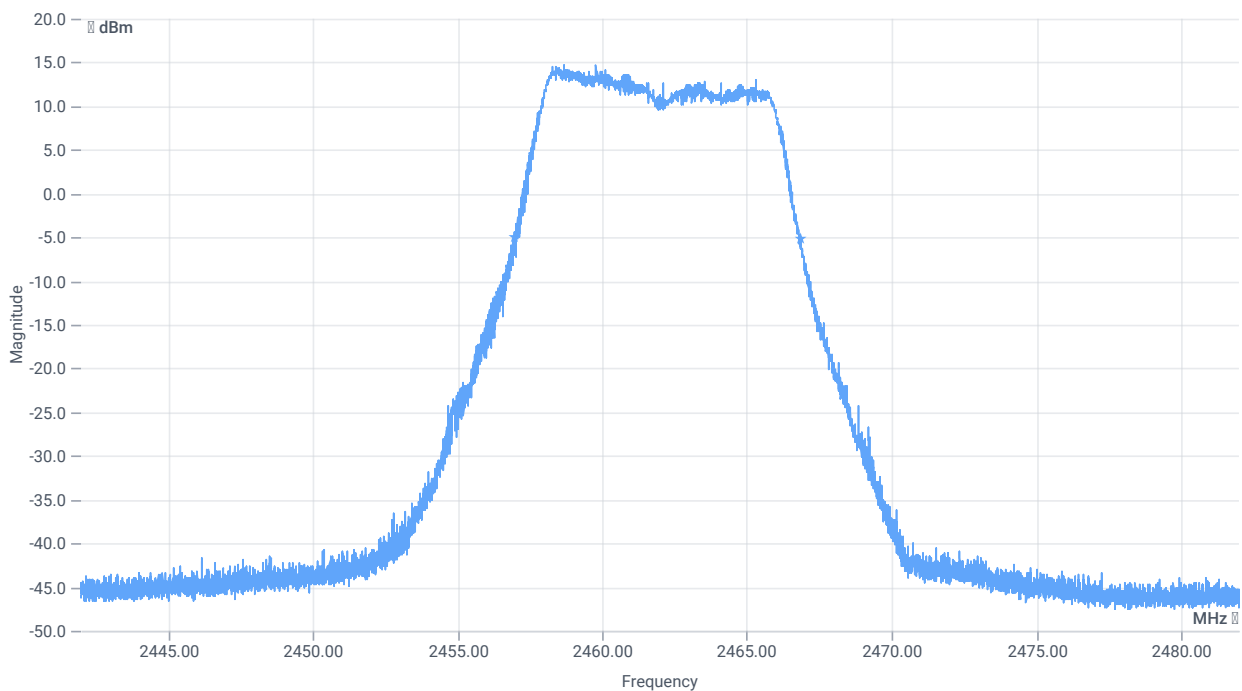




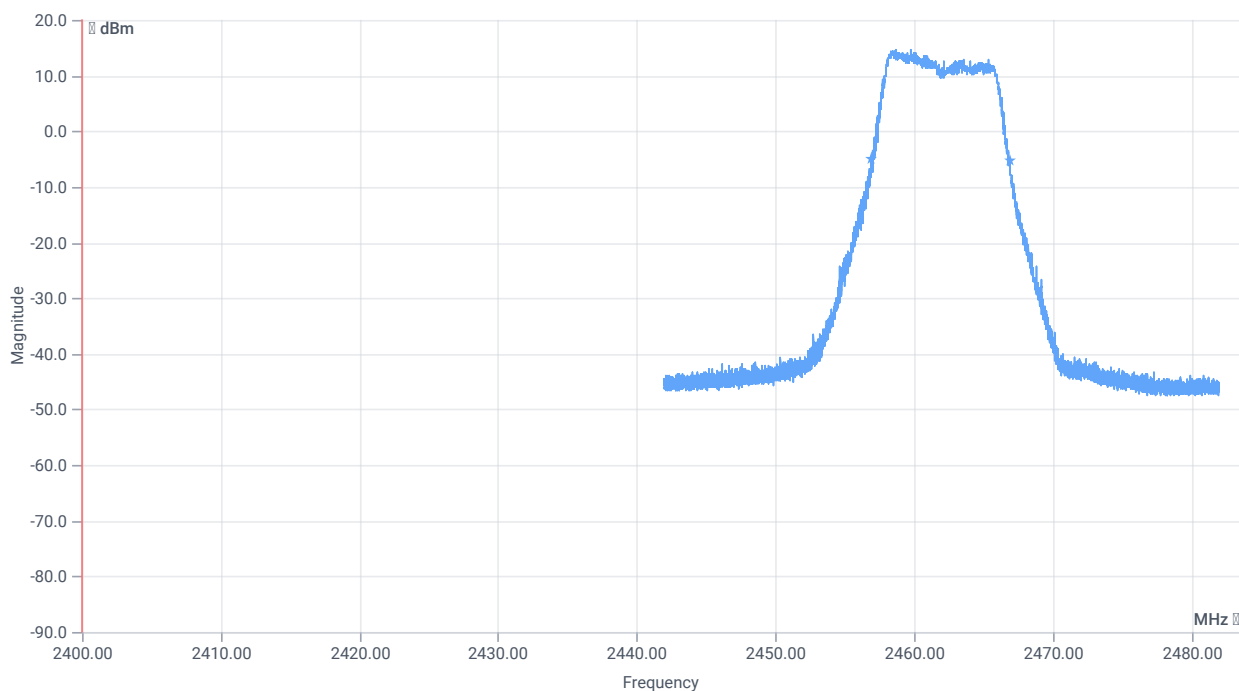
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8759.000	kHz	INFO
T1 99%	2400.000000	---	2457.5364	MHz	PASS
T2 99%	---	2483.500000	2466.2956	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	9916	kHz	INFO
T1 20dB	2400.000000	---	2456.9440	MHz	PASS
T2 20dB	---	2483.500000	2466.8600	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:05:30
Ambit temp (test rack) [°C] humidity [rel%]	21.5 42
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

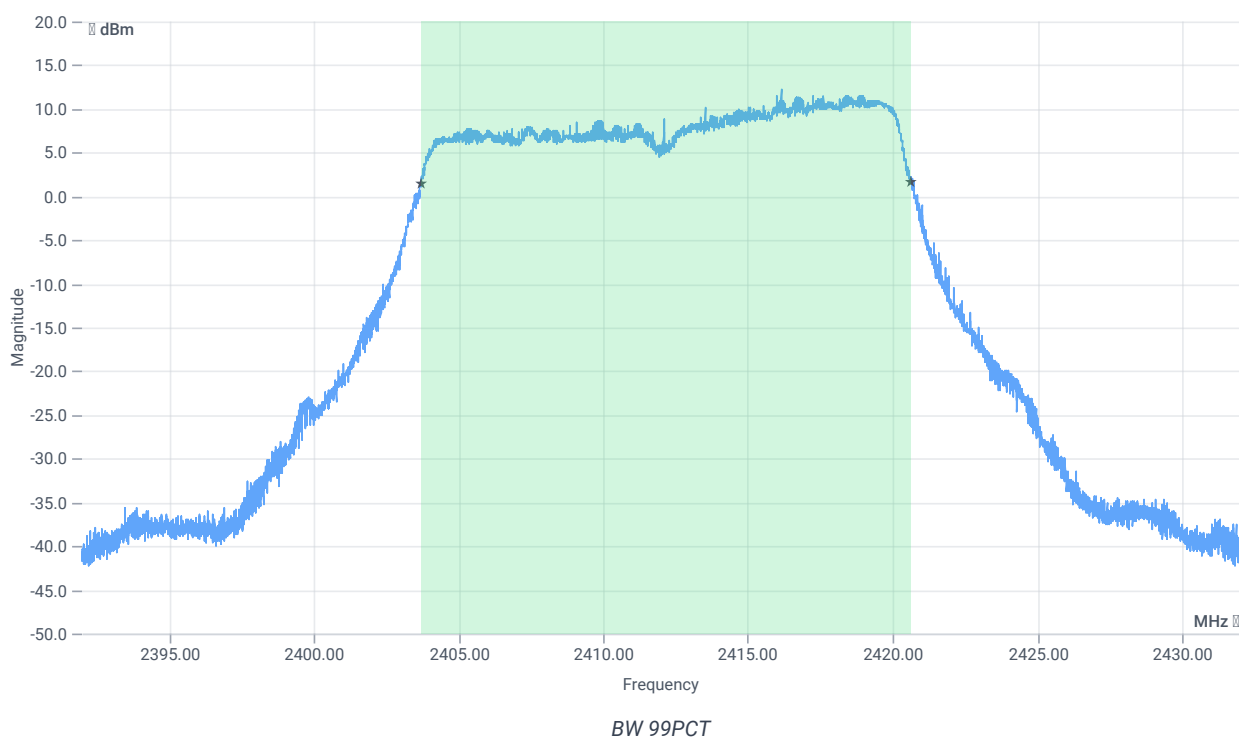
Test at TX 2412 MHz

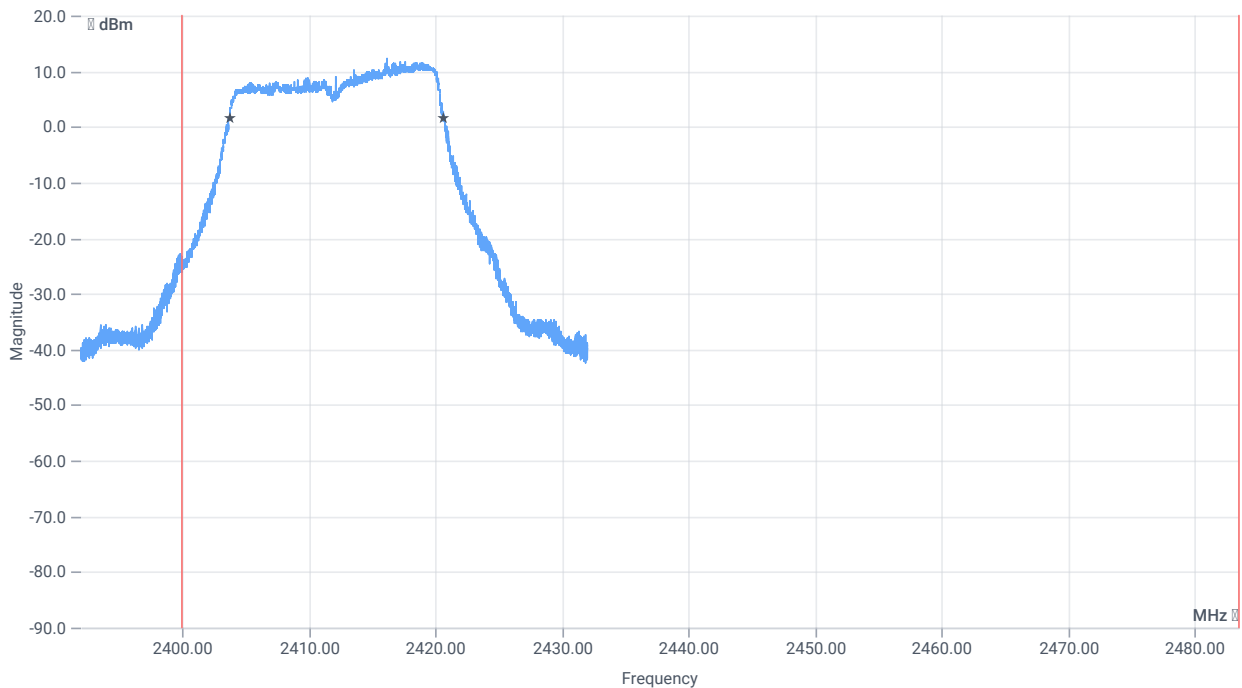
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.61	dBm	INFO
Ref. frequency	---	---	2419.490	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.61 11.43 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

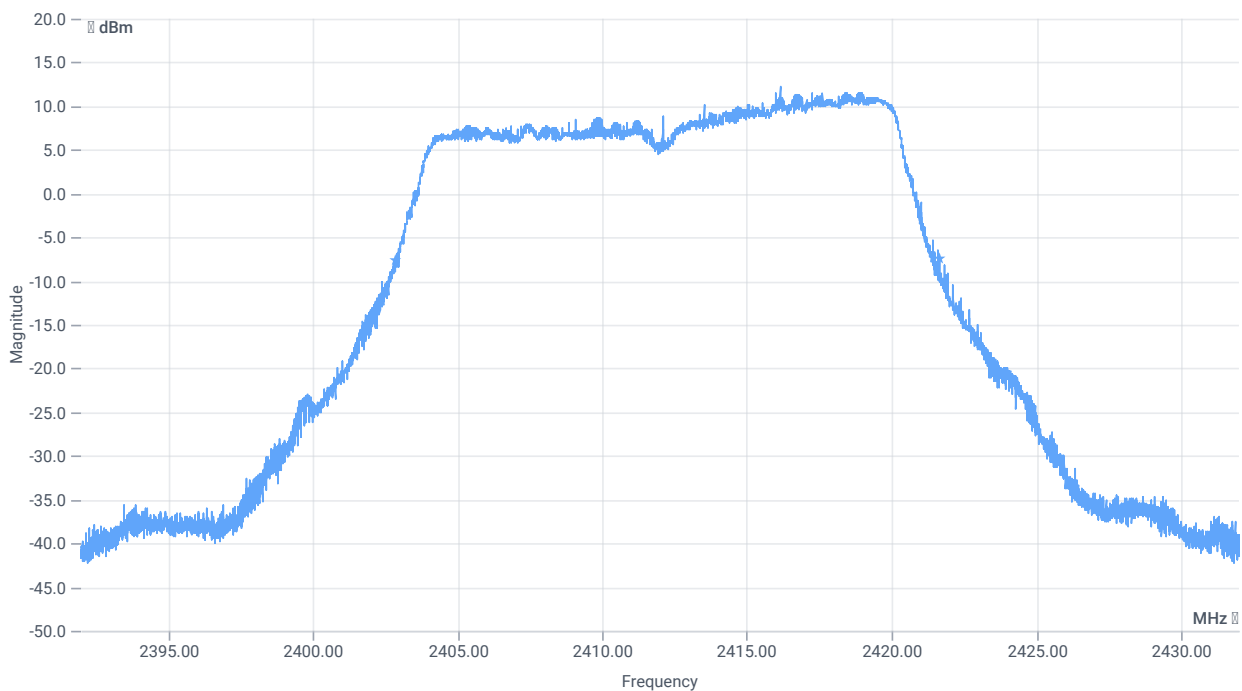




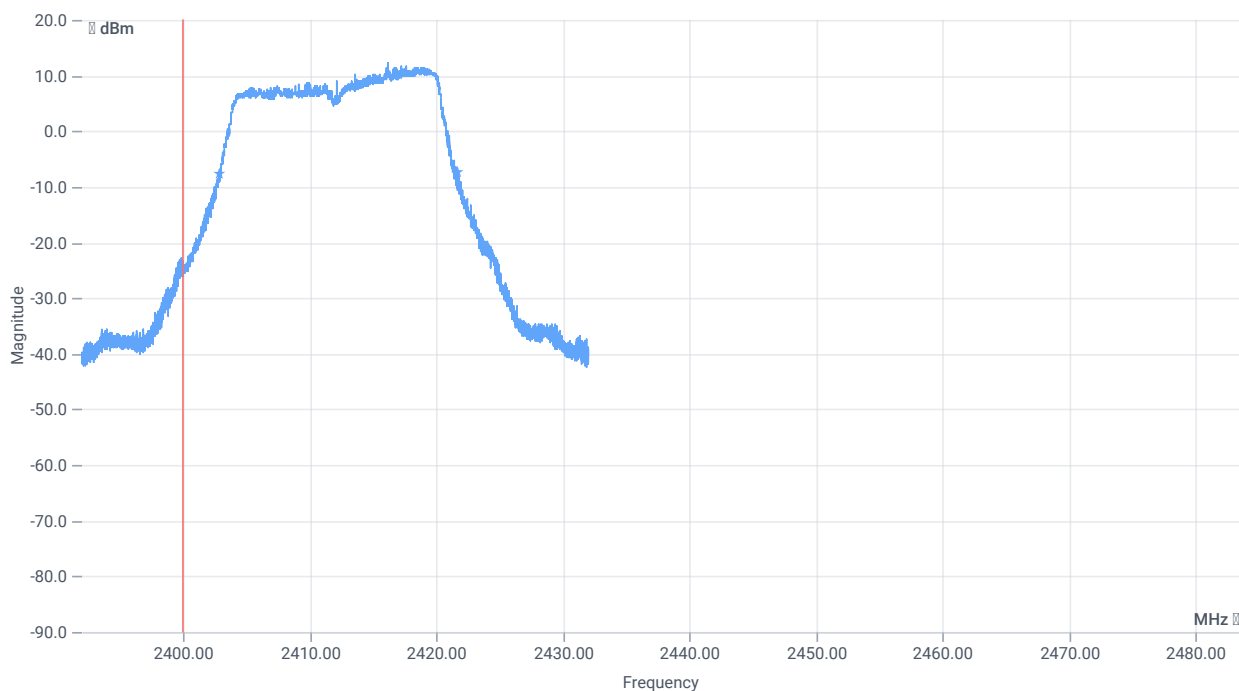
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16930.000	kHz	INFO
T1 99%	2400.000000	---	2403.7088	MHz	PASS
T2 99%	---	2483.500000	2420.6391	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18816	kHz	INFO
T1 20dB	2400.000000	---	2402.8640	MHz	PASS
T2 20dB	---	2483.500000	2421.6800	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:23:50
Ambit temp (test rack) [°C] humidity [rel%]	21.7 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

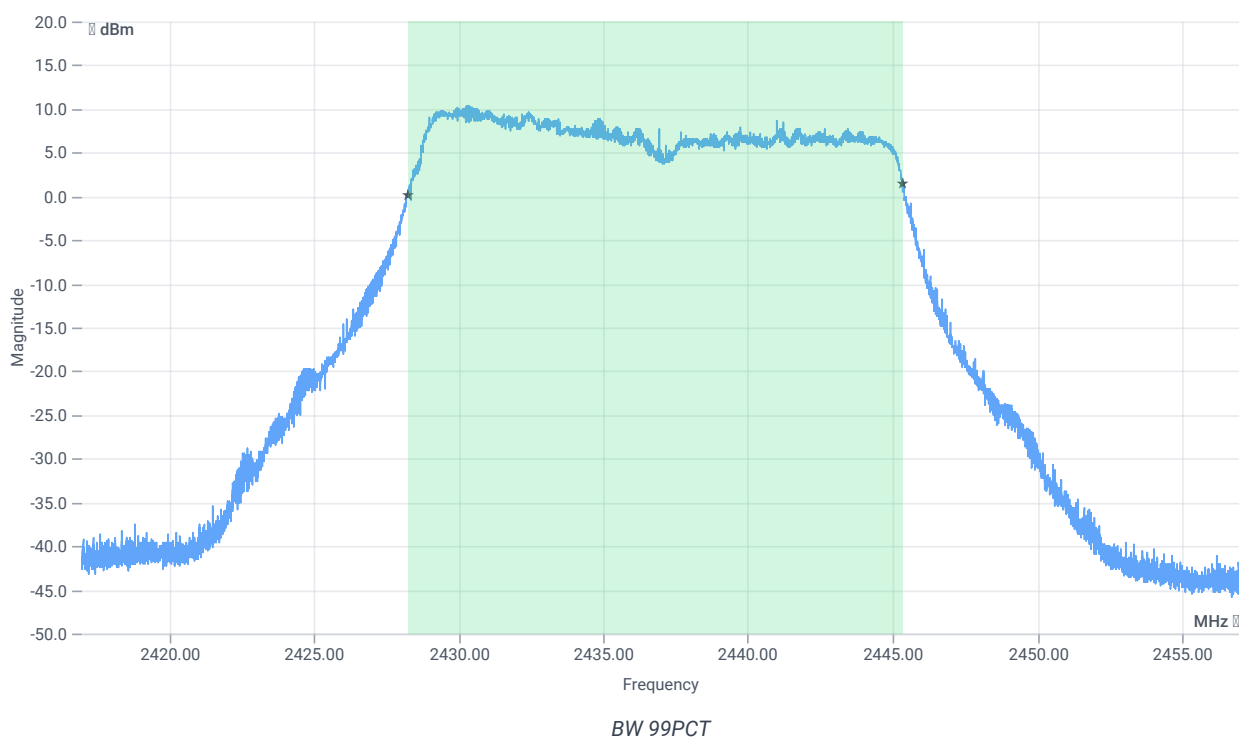
Test at TX 2437 MHz

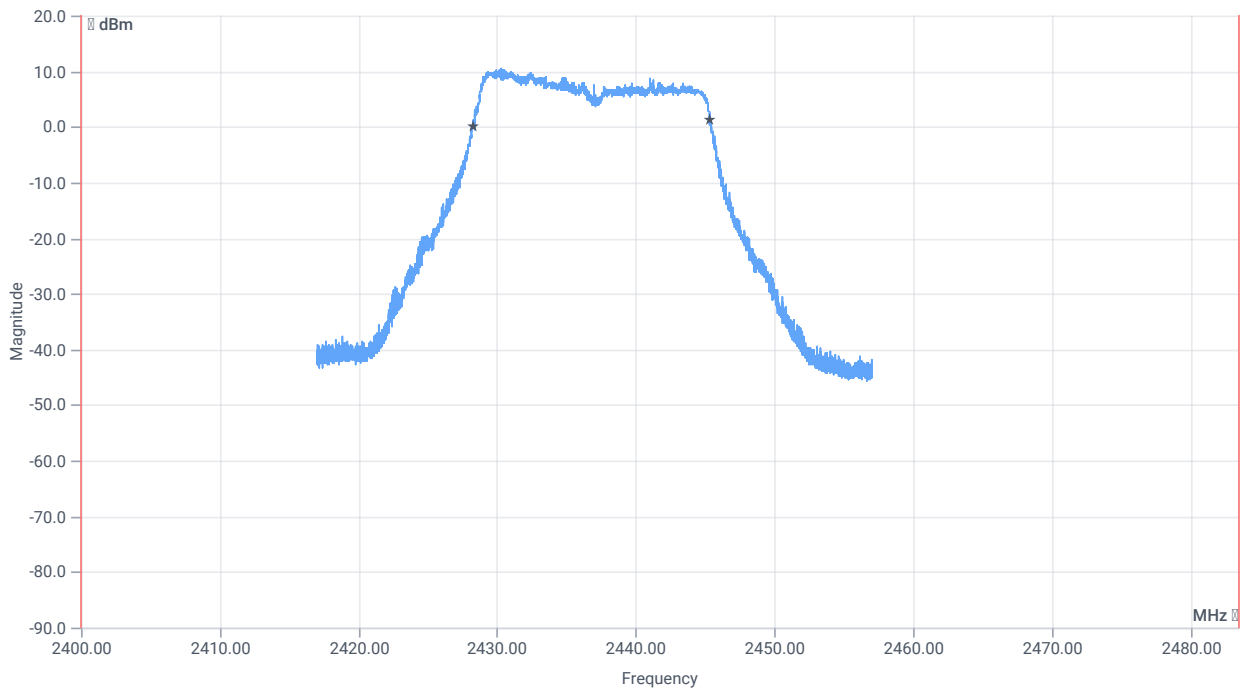
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.08	dBm	INFO
Ref. frequency	---	---	2430.610	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.08 11.4 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

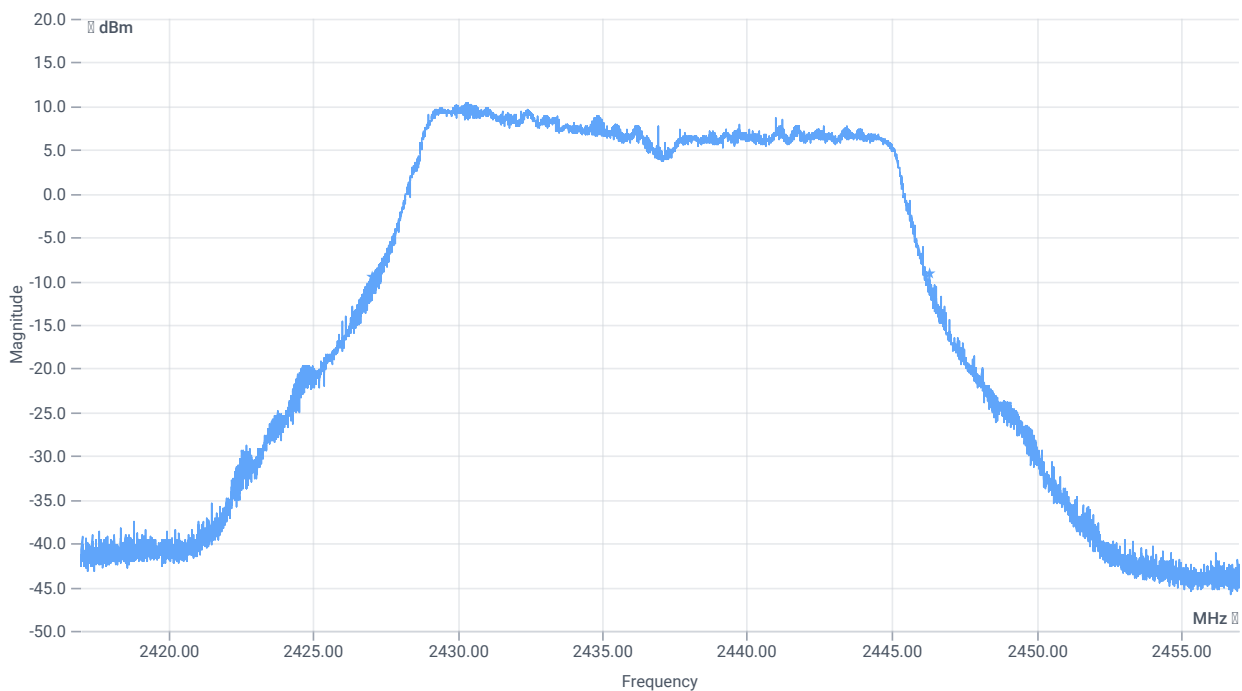




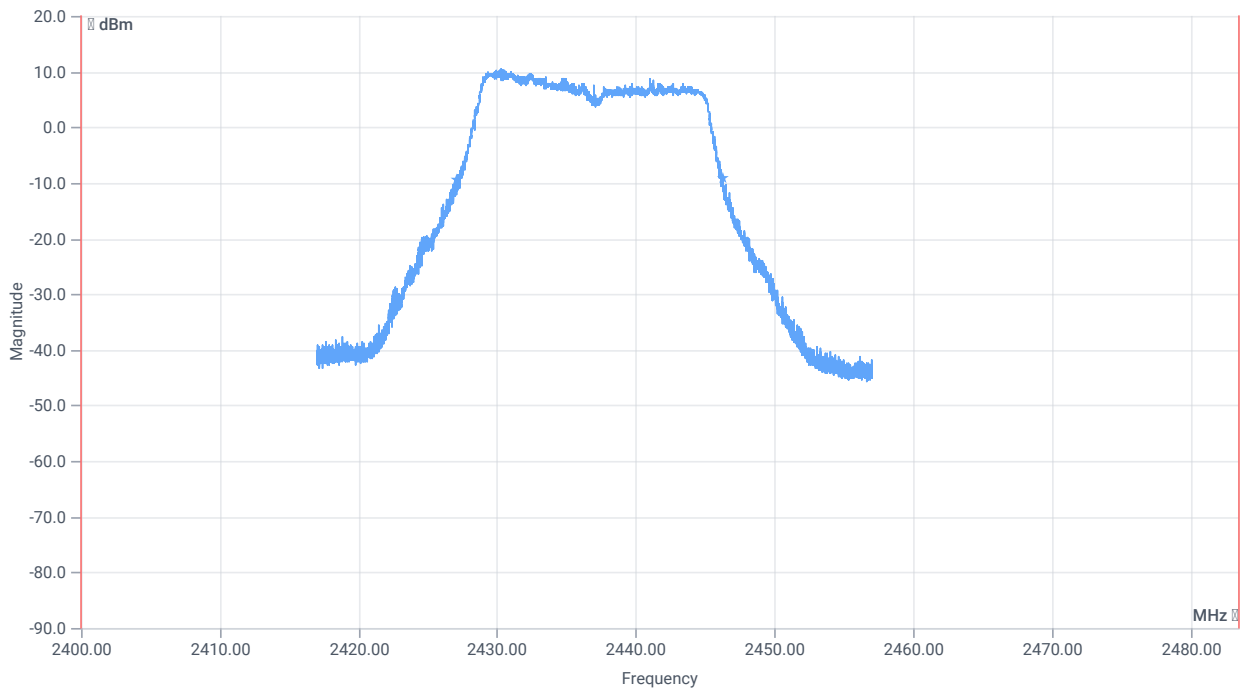
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17102.000	kHz	INFO
T1 99%	2400.000000	---	2428.2449	MHz	PASS
T2 99%	---	2483.500000	2445.3472	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19216	kHz	INFO
T1 20dB	2400.000000	---	2427.0720	MHz	PASS
T2 20dB	---	2483.500000	2446.2880	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 09:42:31
Ambit temp (test rack) [°C] humidity [rel%]	21.8 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

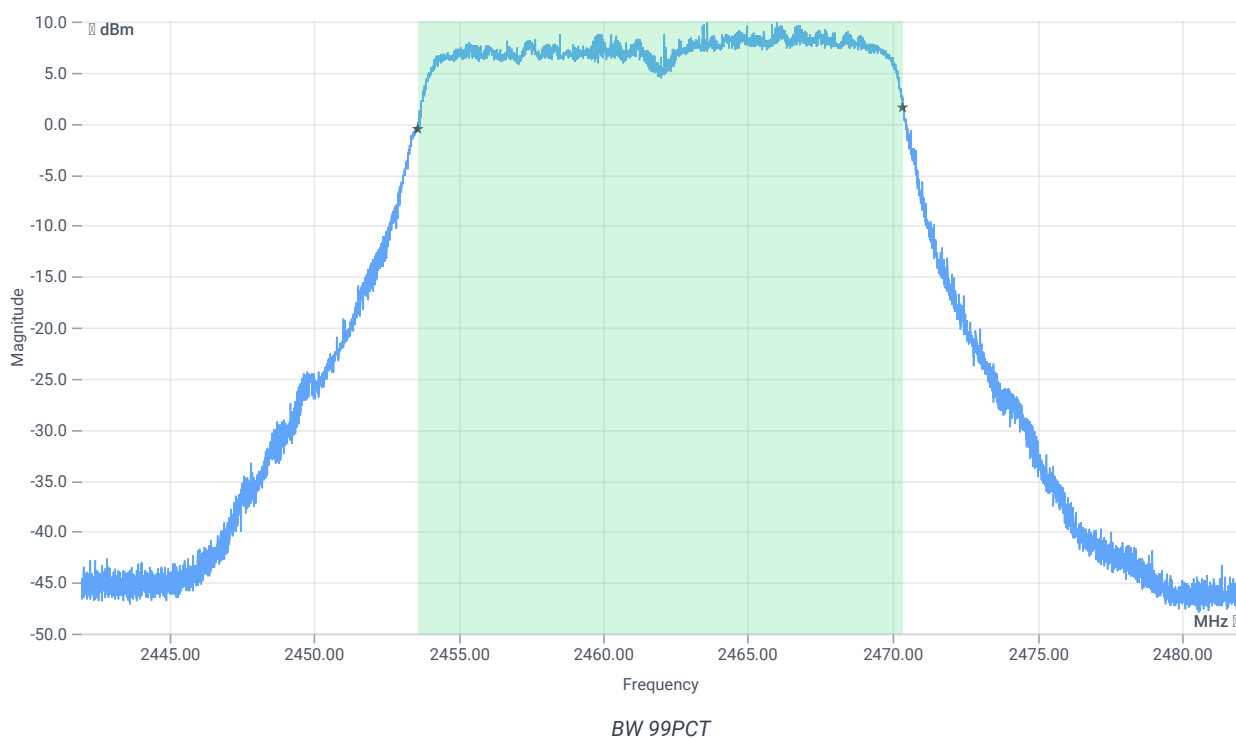
Test at TX 2462 MHz

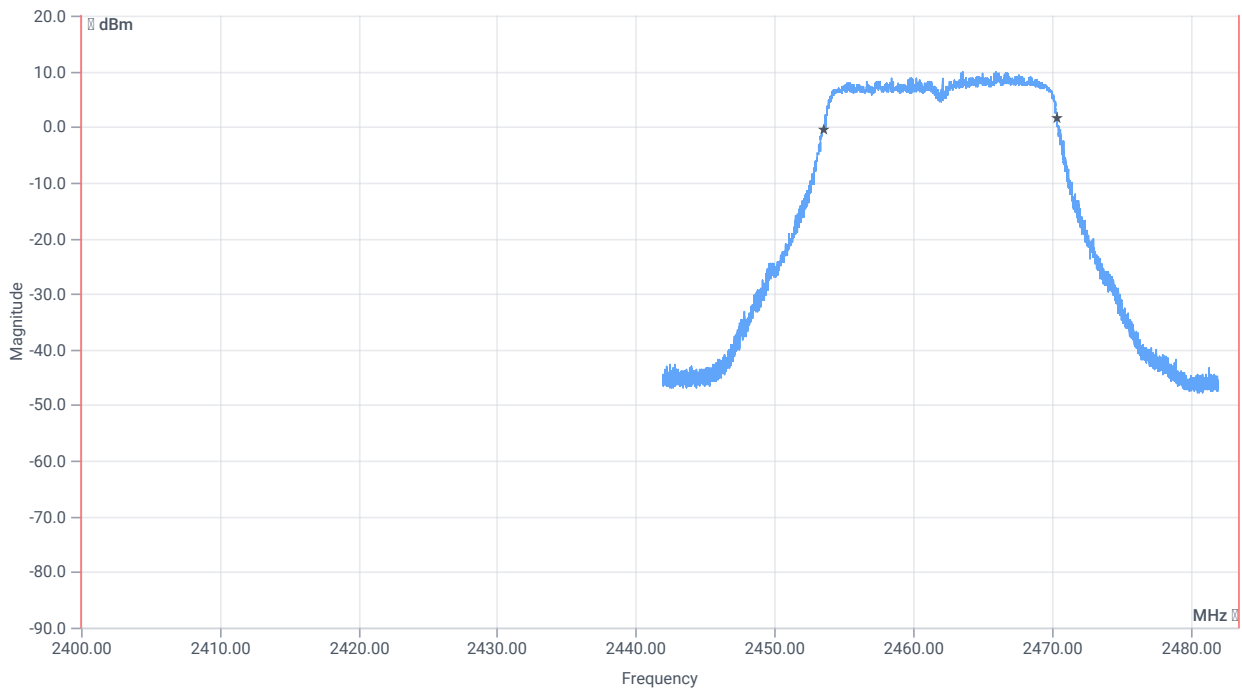
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.14	dBm	INFO
Ref. frequency	---	---	2467.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.14 11.42 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

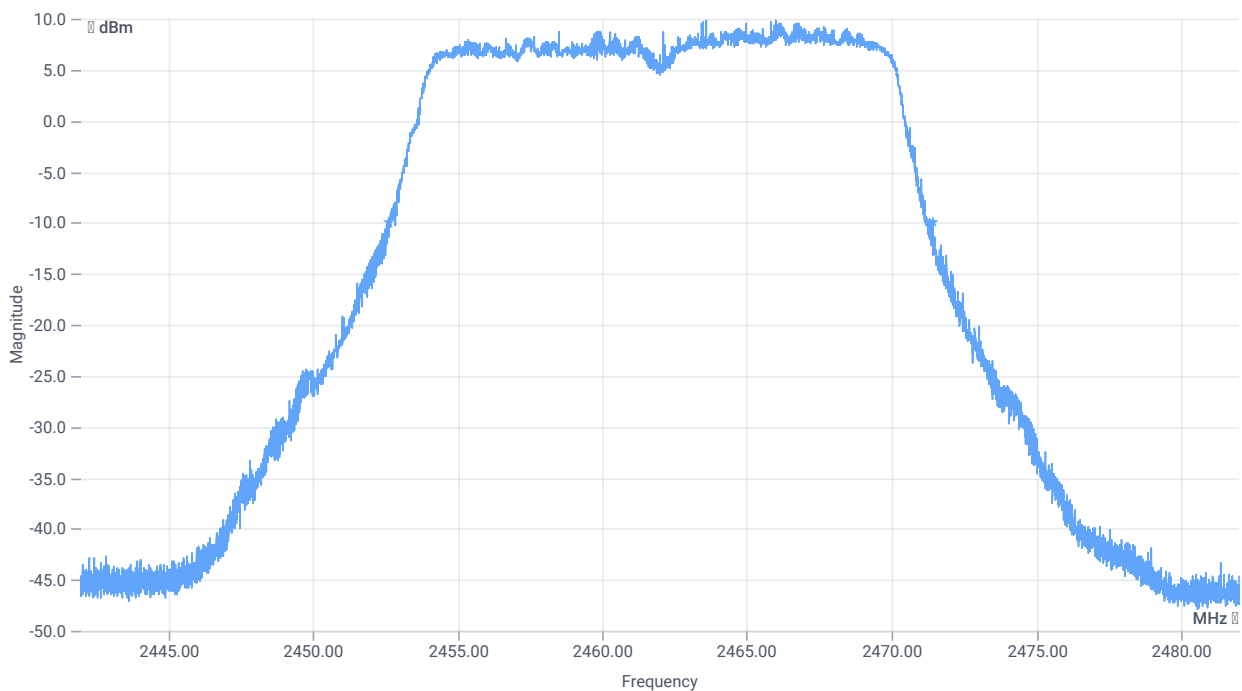




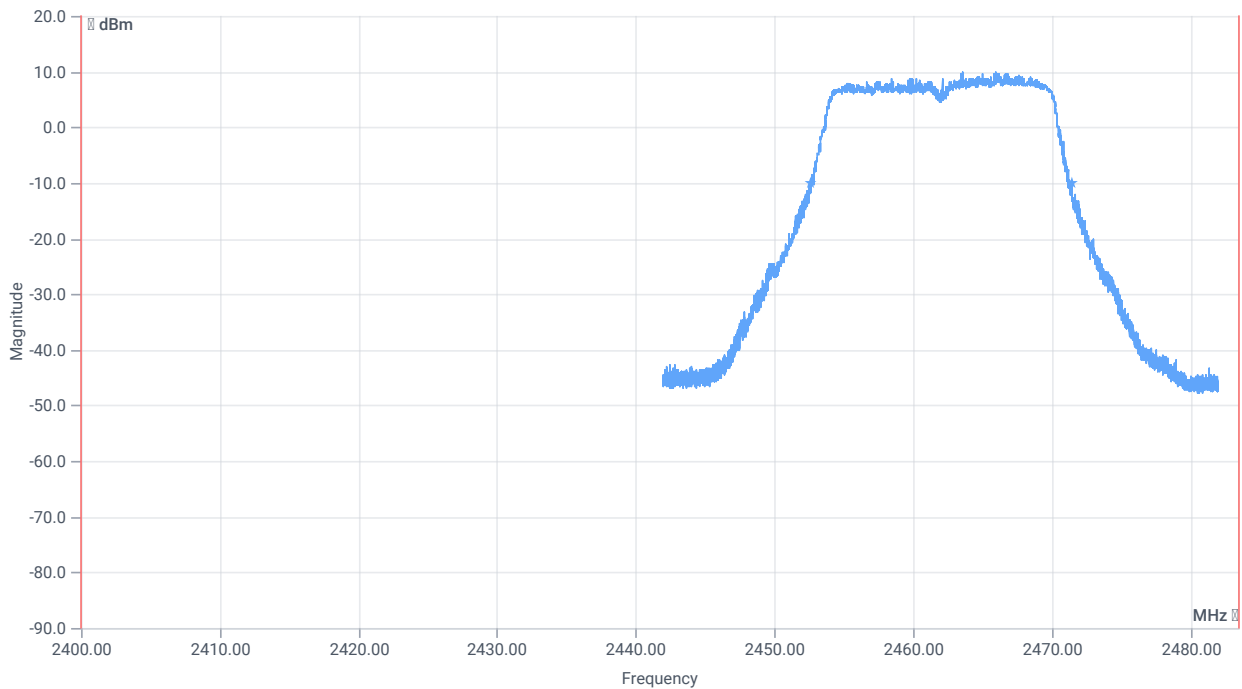
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16754.000	kHz	INFO
T1 99%	2400.000000	---	2453.6128	MHz	PASS
T2 99%	---	2483.500000	2470.3672	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18784	kHz	INFO
T1 20dB	2400.000000	---	2452.6240	MHz	PASS
T2 20dB	---	2483.500000	2471.4080	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:37:50
Ambit temp (test rack) [°C] humidity [rel%]	22.6 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

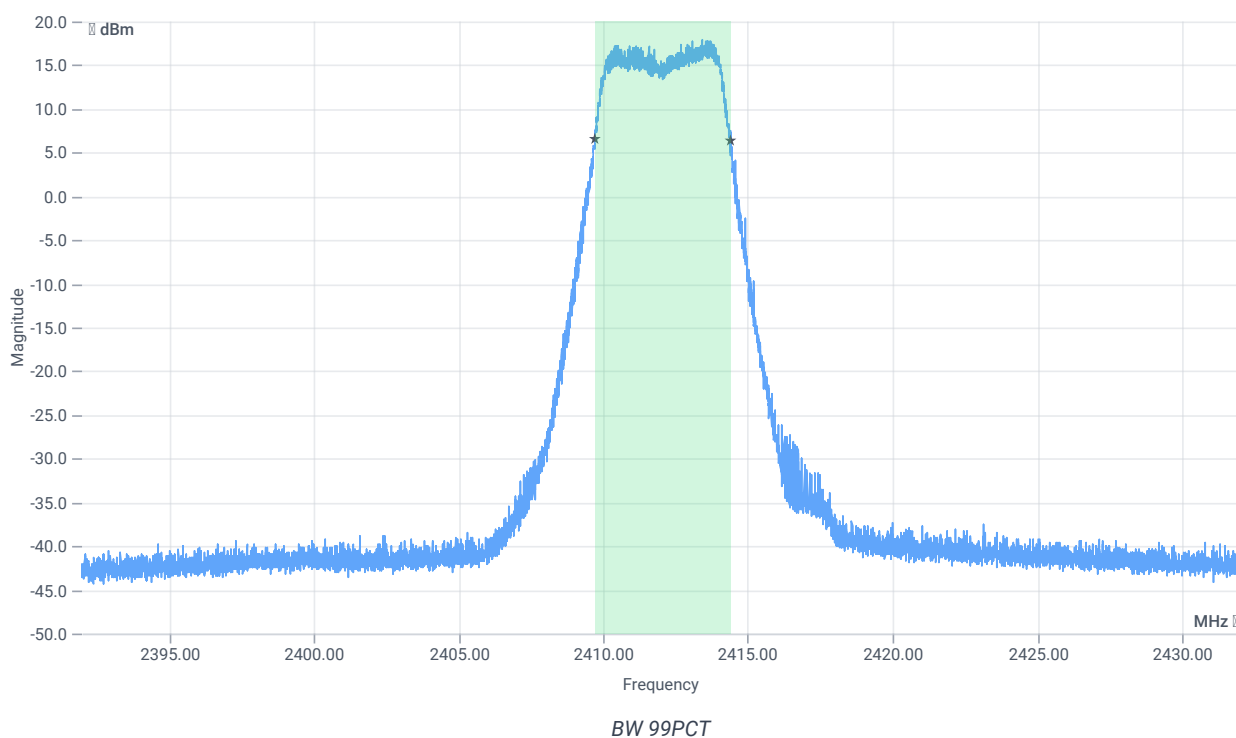
Test at TX 2412 MHz

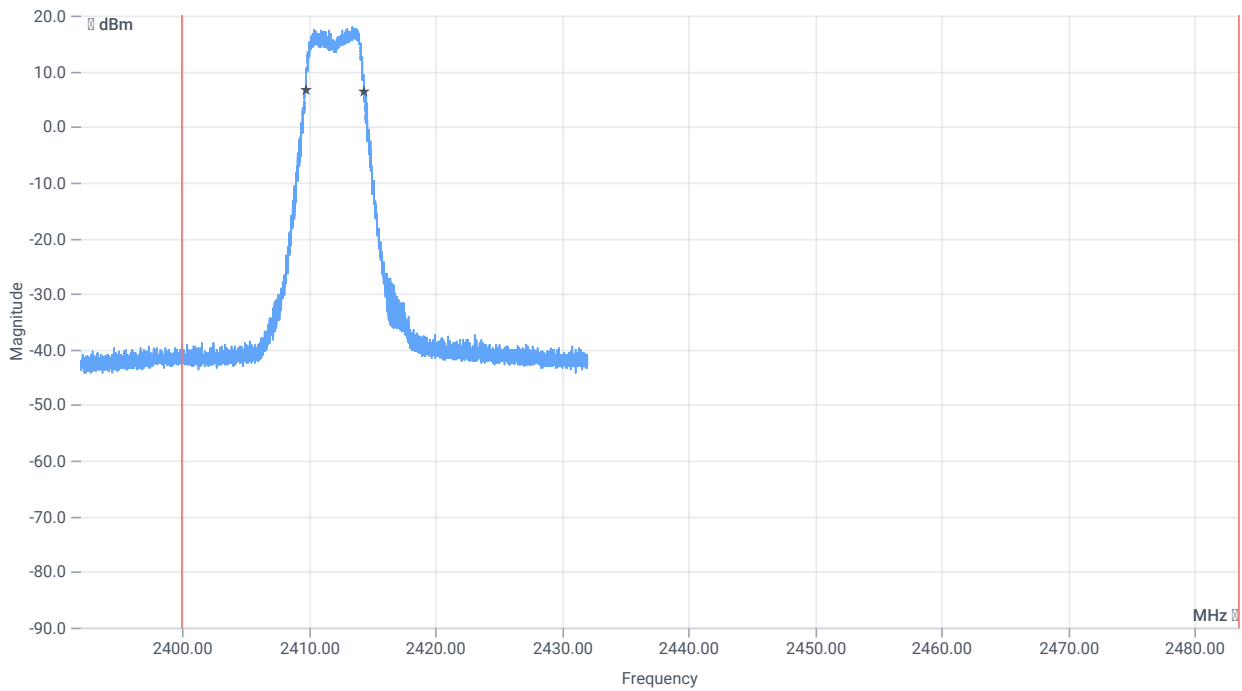
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.87	dBm	INFO
Ref. frequency	---	---	2413.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.87 11.43 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

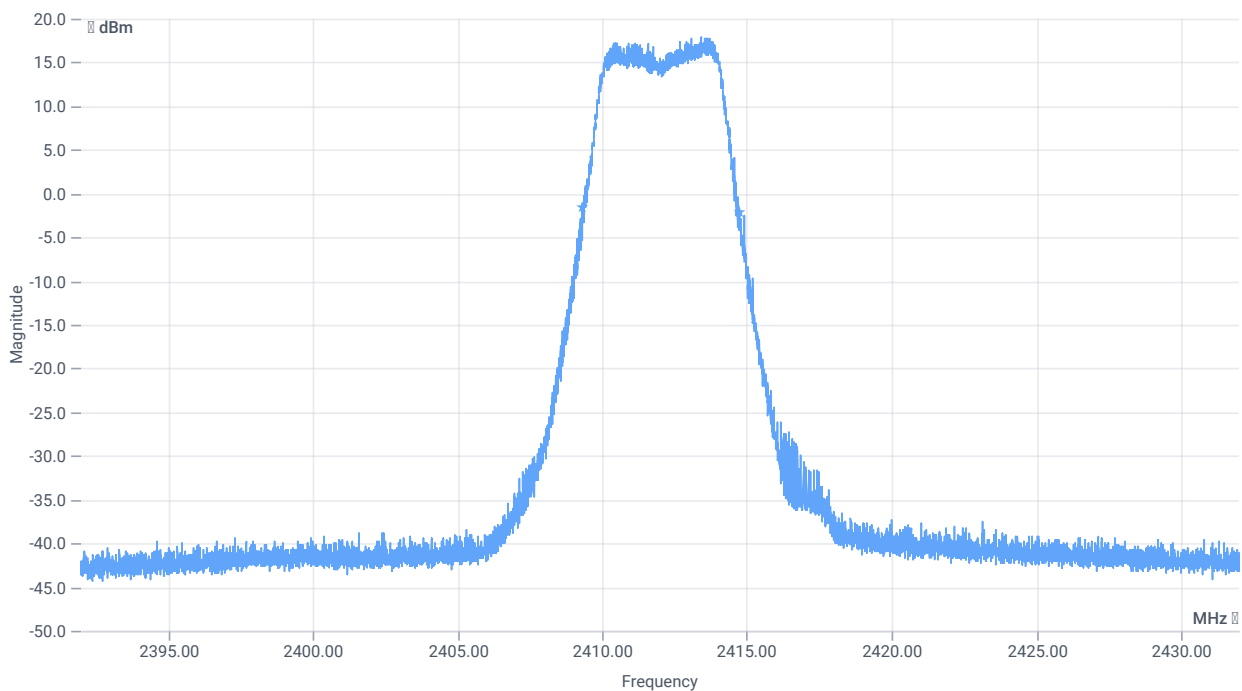




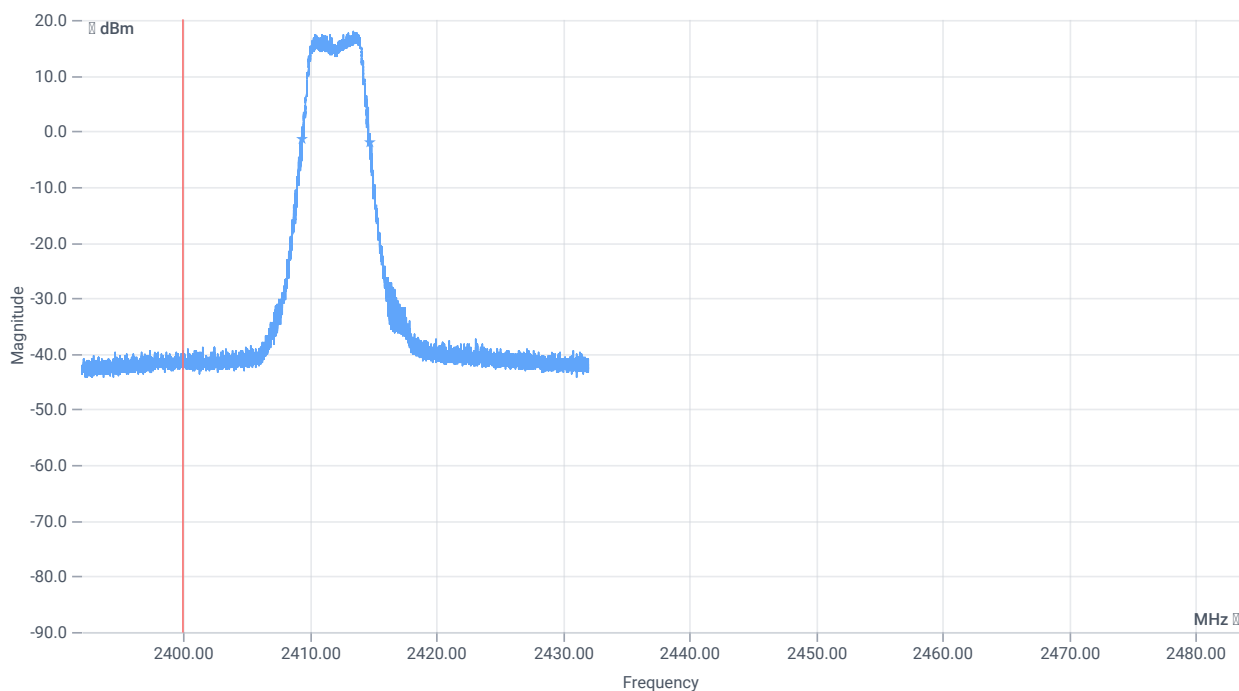
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4652.000	kHz	INFO
T1 99%	2400.000000	---	2409.7202	MHz	PASS
T2 99%	---	2483.500000	2414.3718	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5420	kHz	INFO
T1 20dB	2400.000000	---	2409.3200	MHz	PASS
T2 20dB	---	2483.500000	2414.7400	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 12:56:07
Ambit temp (test rack) [°C] humidity [rel%]	22.8 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

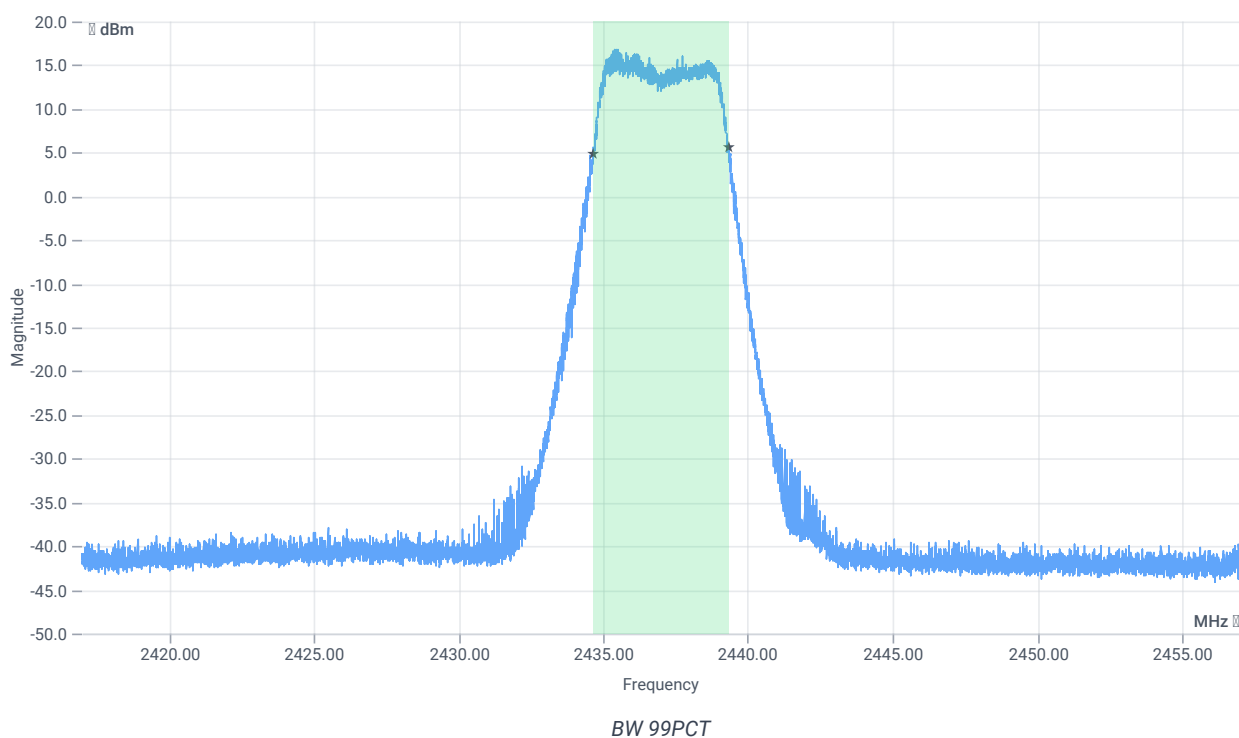
Test at TX 2437 MHz

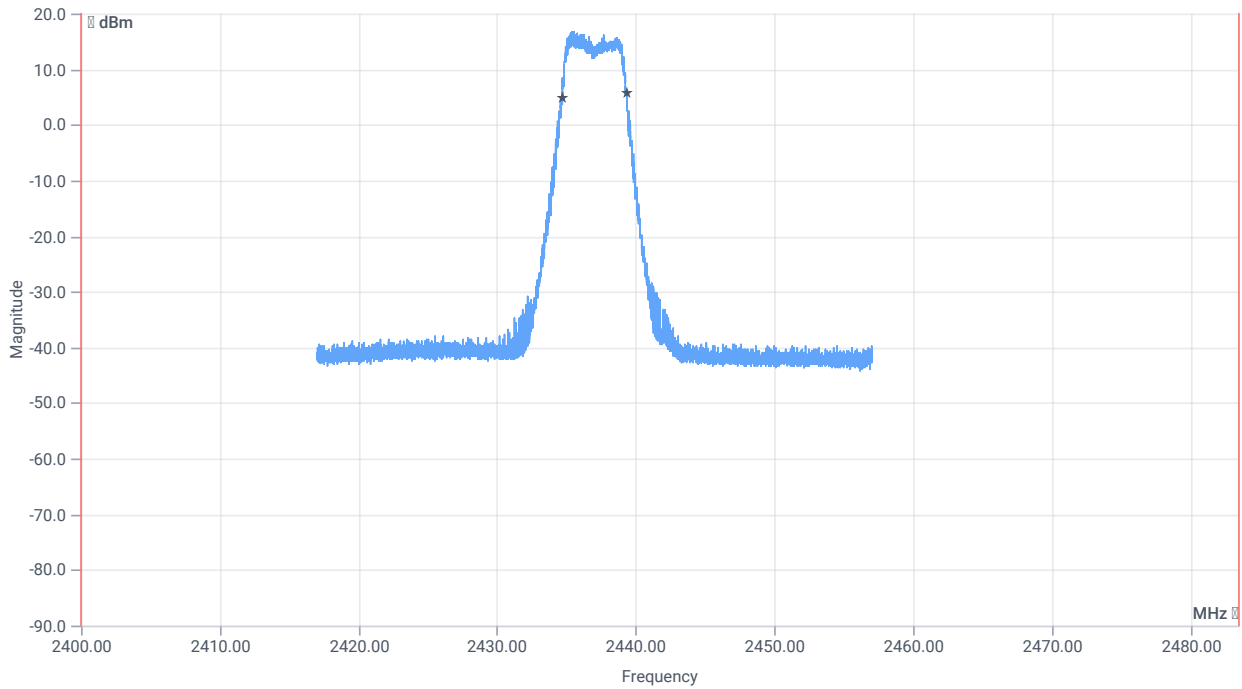
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.02	dBm	INFO
Ref. frequency	---	---	2435.700	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	23.02 11.4 30
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

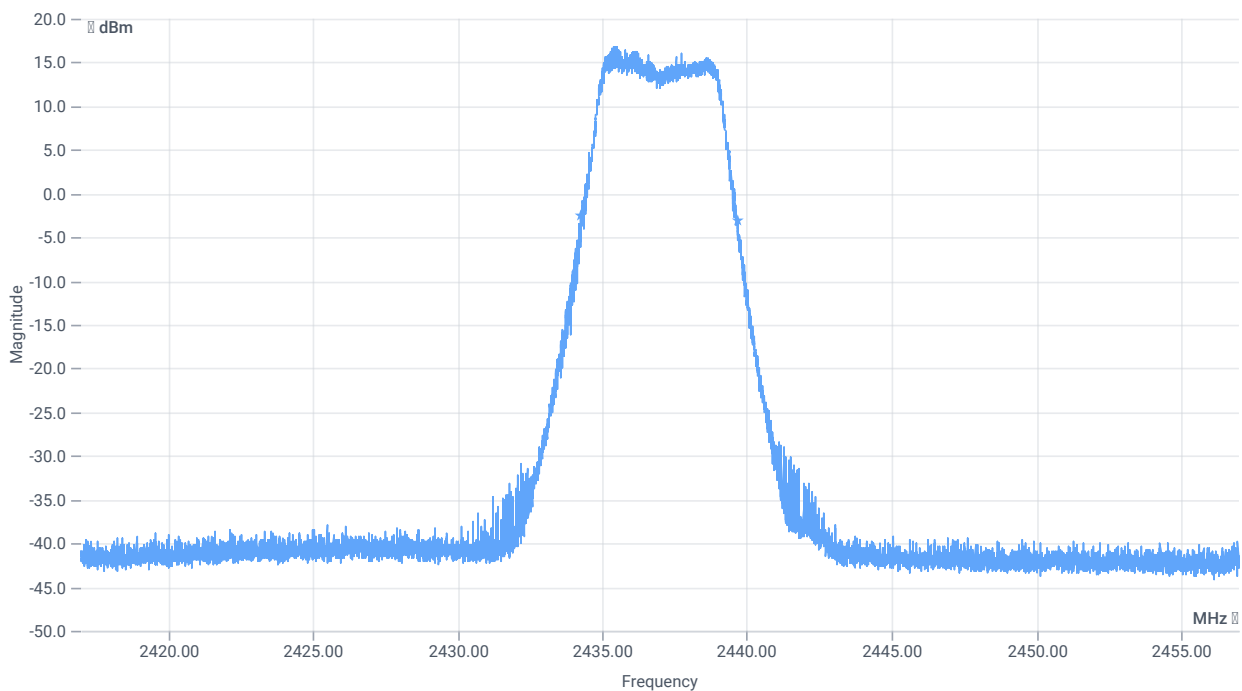




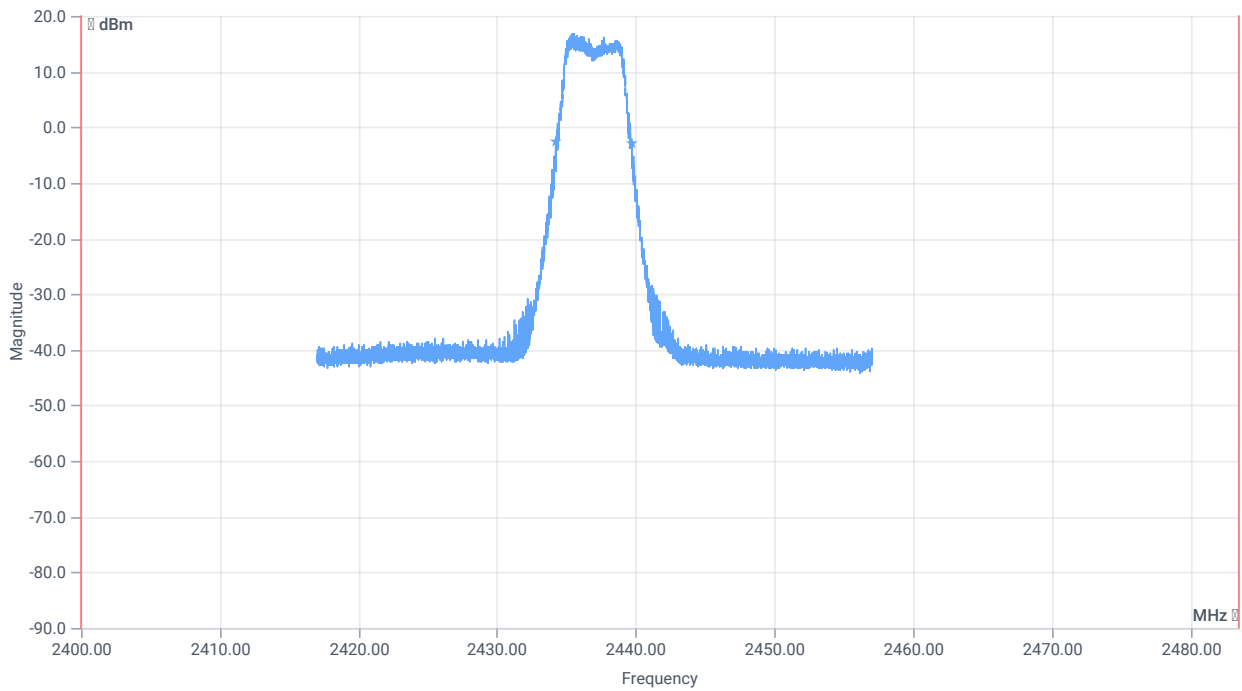
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4664.000	kHz	INFO
T1 99%	2400.000000	---	2434.6602	MHz	PASS
T2 99%	---	2483.500000	2439.3238	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5404	kHz	INFO
T1 20dB	2400.000000	---	2434.2680	MHz	PASS
T2 20dB	---	2483.500000	2439.6720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 13:14:15
Ambit temp (test rack) [°C] humidity [rel%]	22.9 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

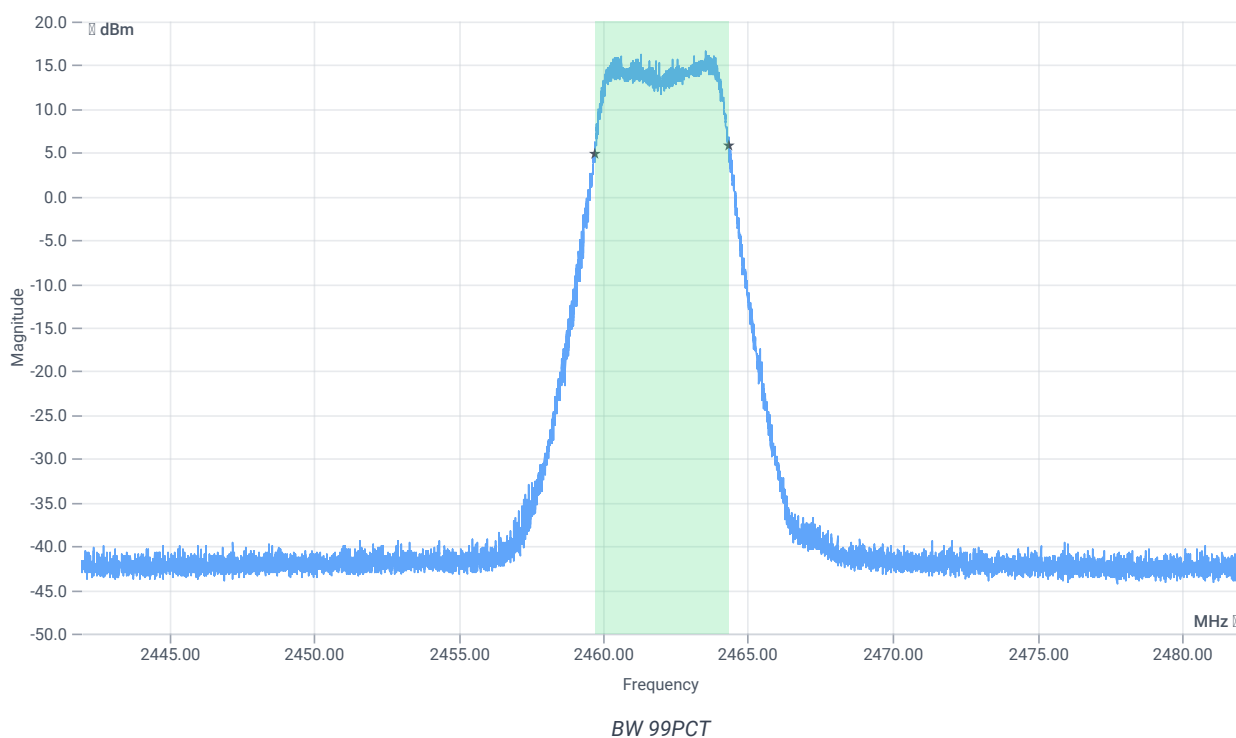
Test at TX 2462 MHz

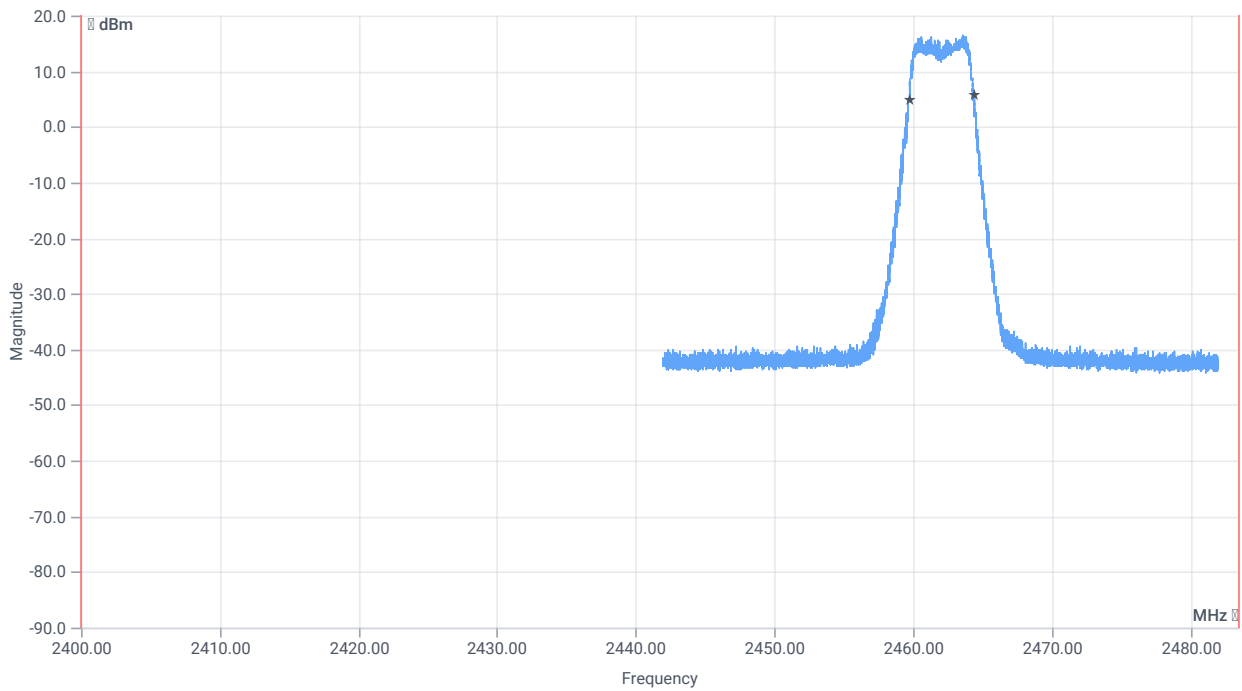
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.90	dBm	INFO
Ref. frequency	---	---	2461.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.90 11.42 30
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

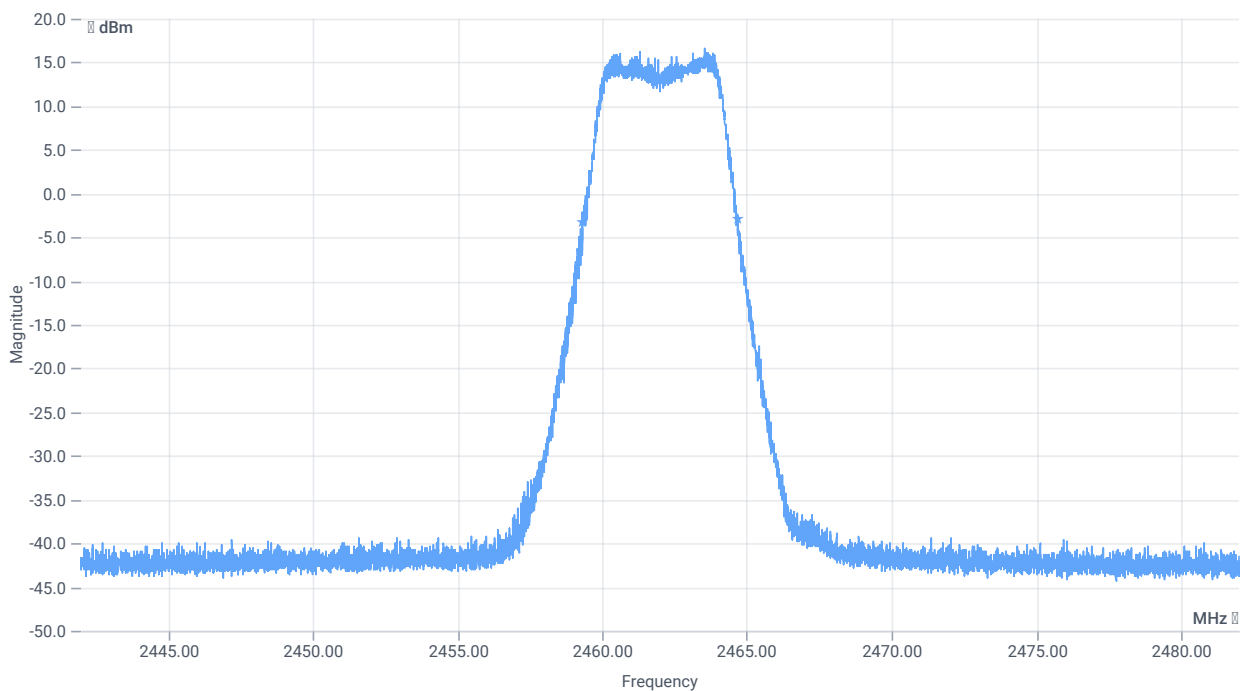




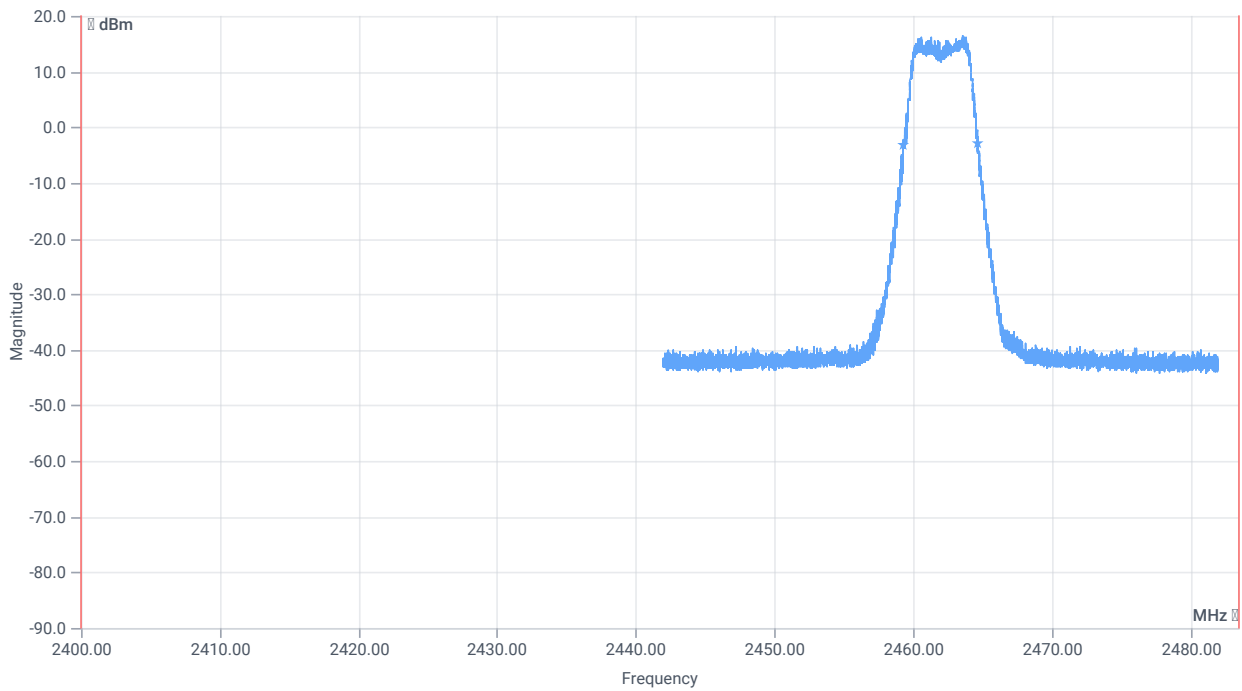
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	4652.000	kHz	INFO
T1 99%	2400.000000	---	2459.7042	MHz	PASS
T2 99%	---	2483.500000	2464.3558	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	5396	kHz	INFO
T1 20dB	2400.000000	---	2459.3000	MHz	PASS
T2 20dB	---	2483.500000	2464.6960	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 14:29:07
Ambit temp (test rack) [°C] humidity [rel%]	23.2 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

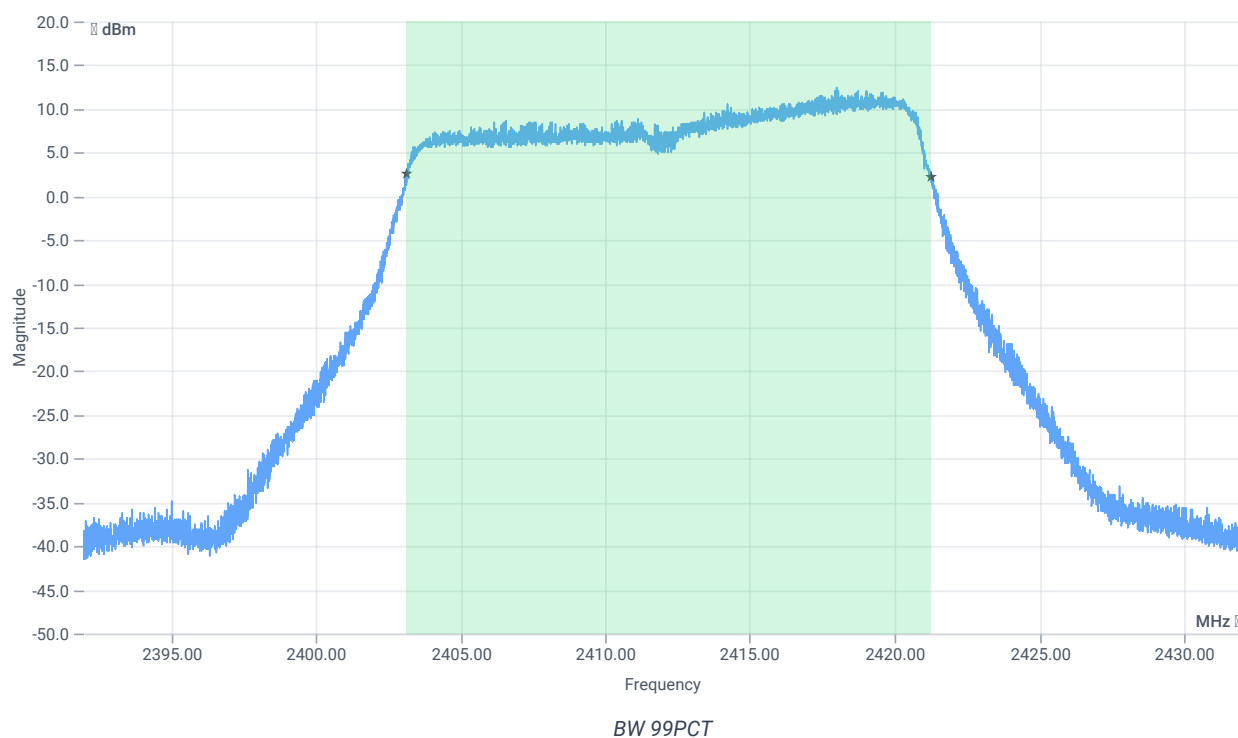
Test at TX 2412 MHz

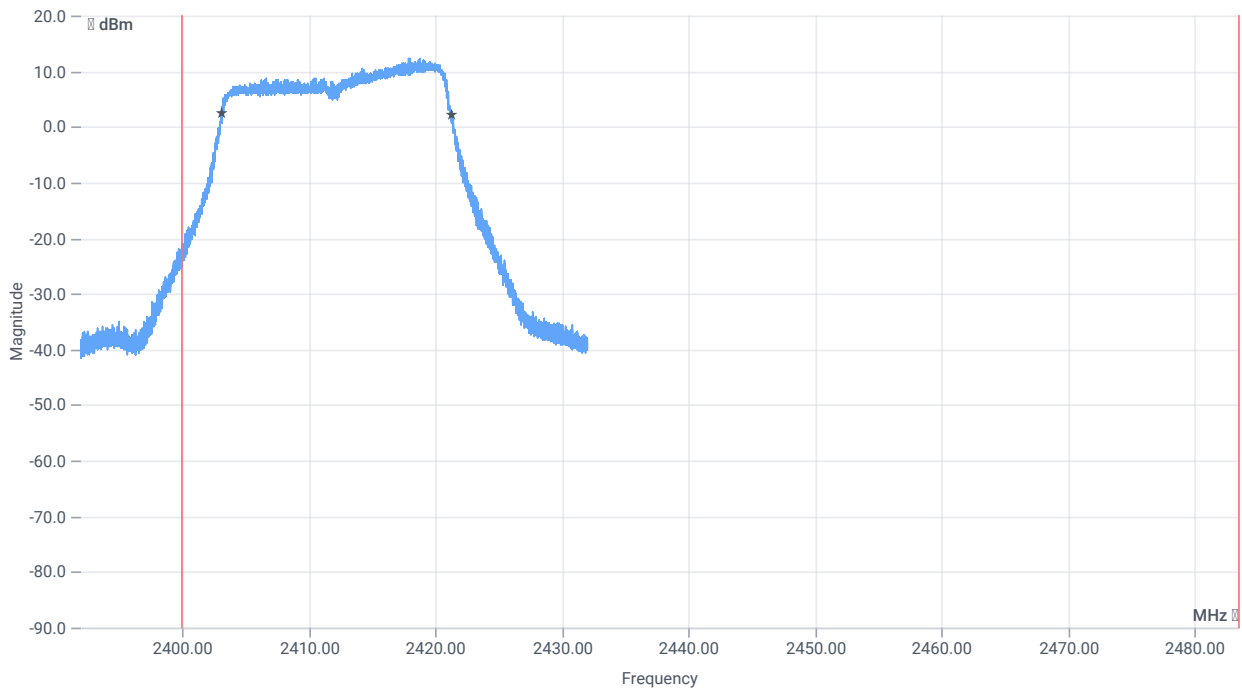
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.17	dBm	INFO
Ref. frequency	---	---	2418.590	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.17 11.43 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

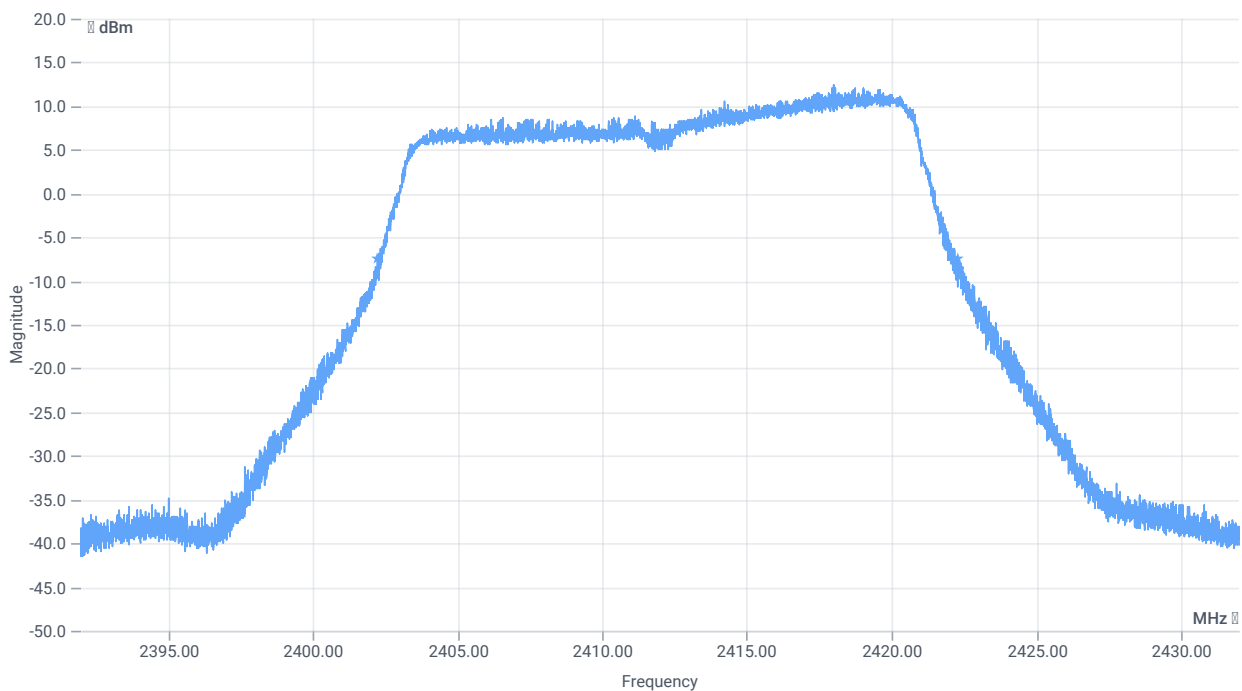




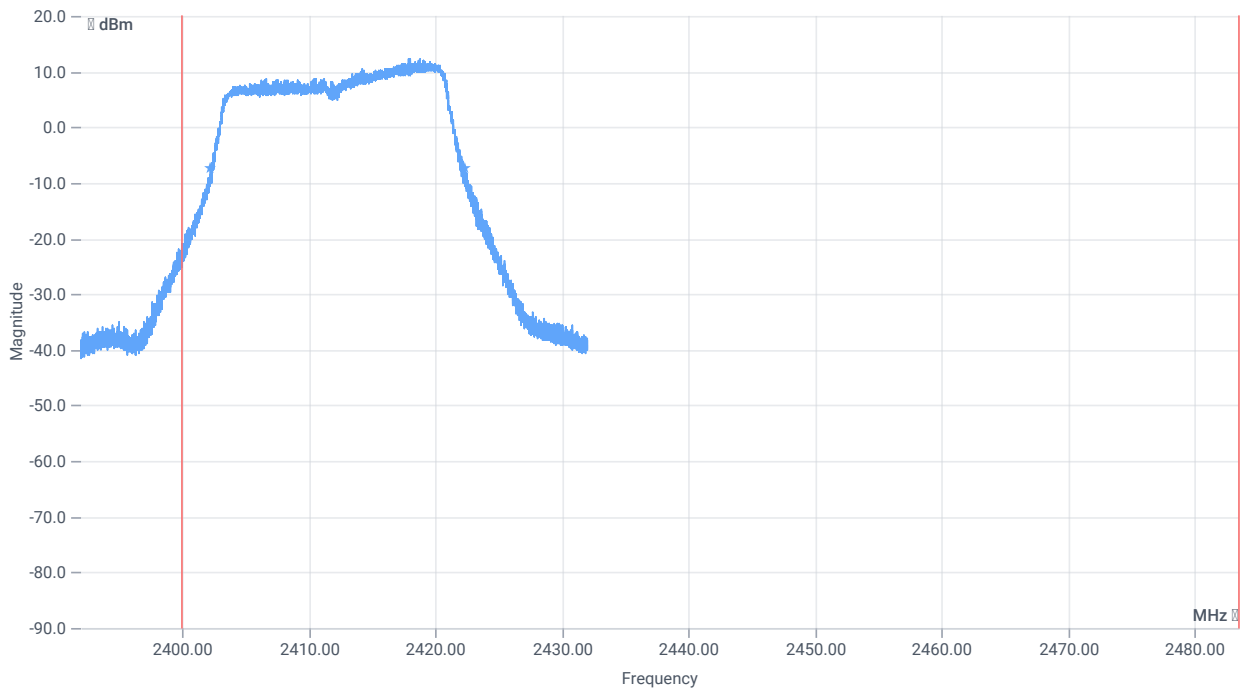
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18134.000	kHz	INFO
T1 99%	2400.000000	---	2403.1409	MHz	PASS
T2 99%	---	2483.500000	2421.2751	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20016	kHz	INFO
T1 20dB	2400.000000	---	2402.2560	MHz	PASS
T2 20dB	---	2483.500000	2422.2720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 14:47:11
Ambit temp (test rack) [°C] humidity [rel%]	23.3 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

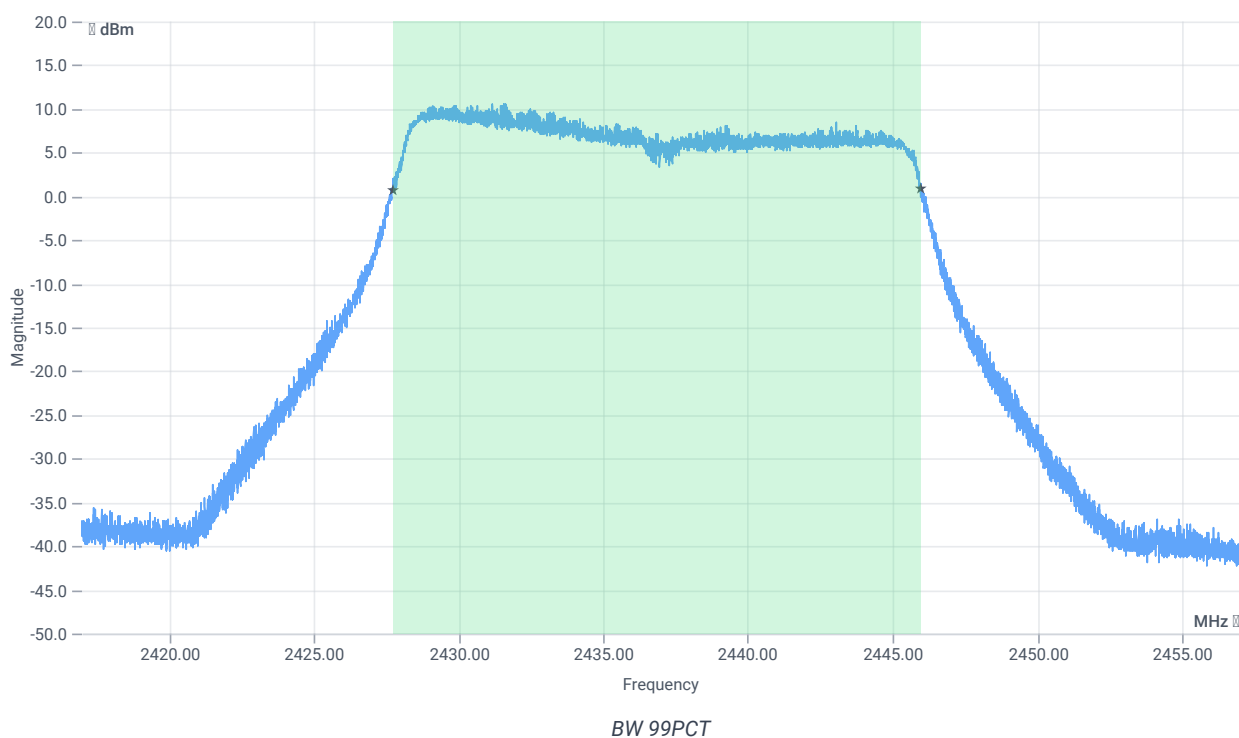
Test at TX 2437 MHz

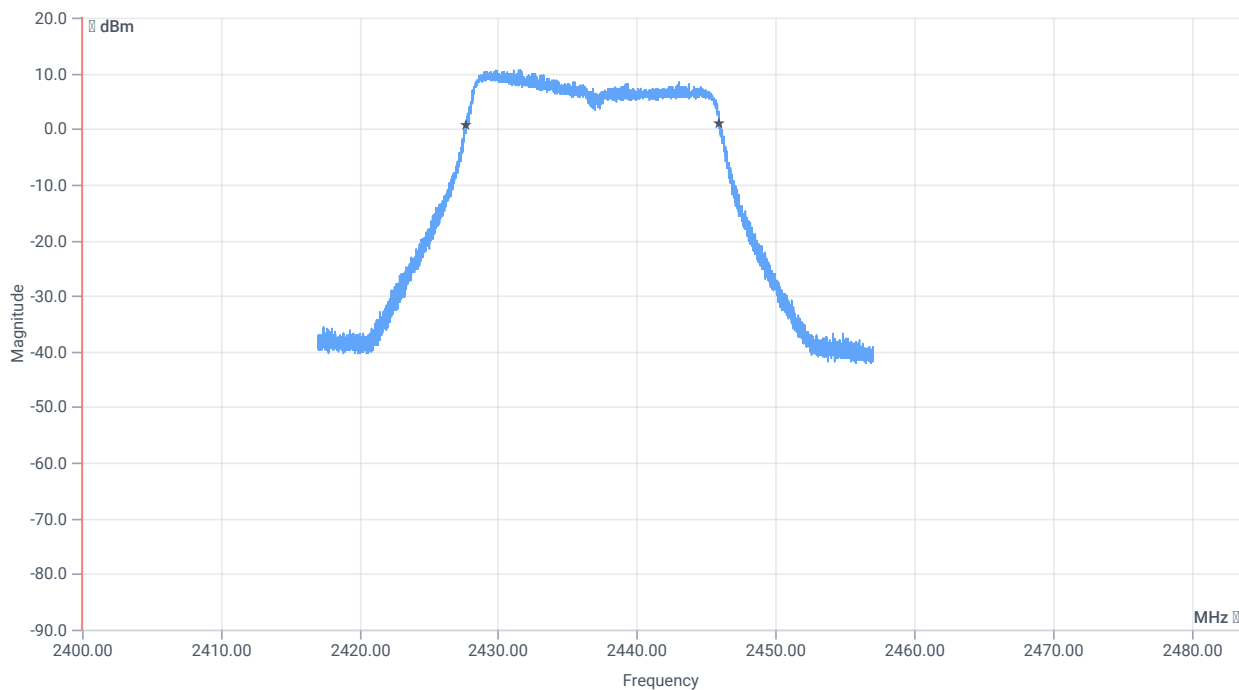
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.61	dBm	INFO
Ref. frequency	---	---	2429.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.61 11.4 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

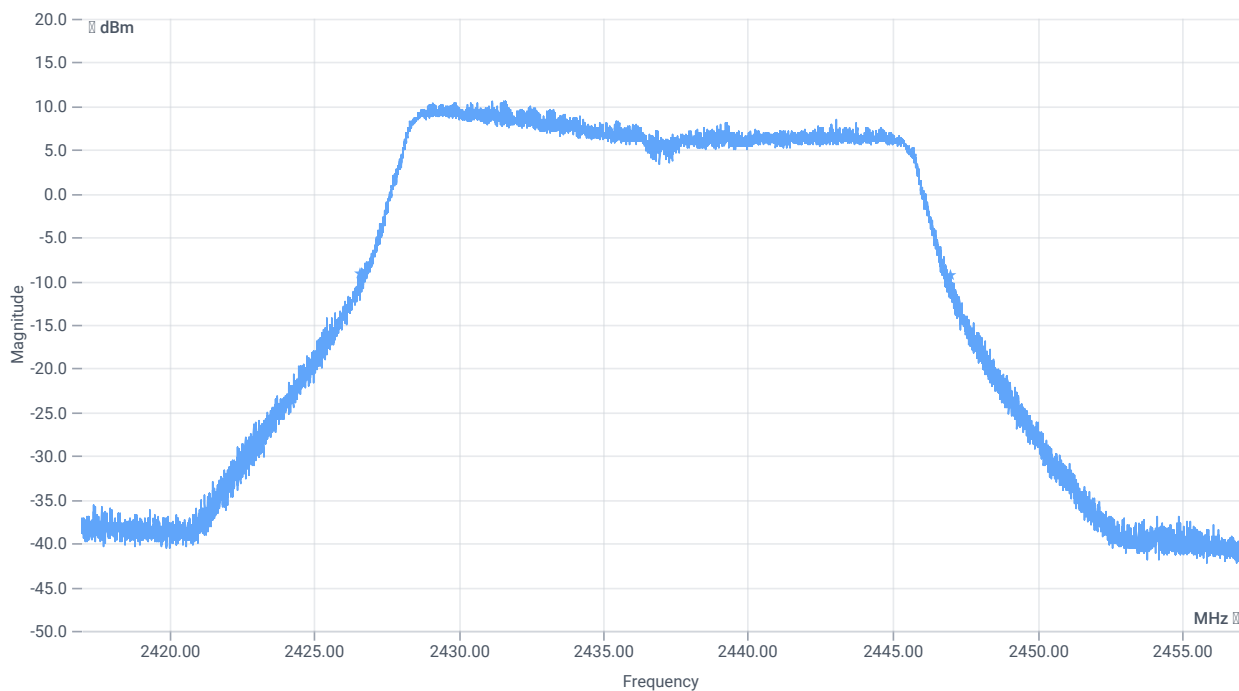




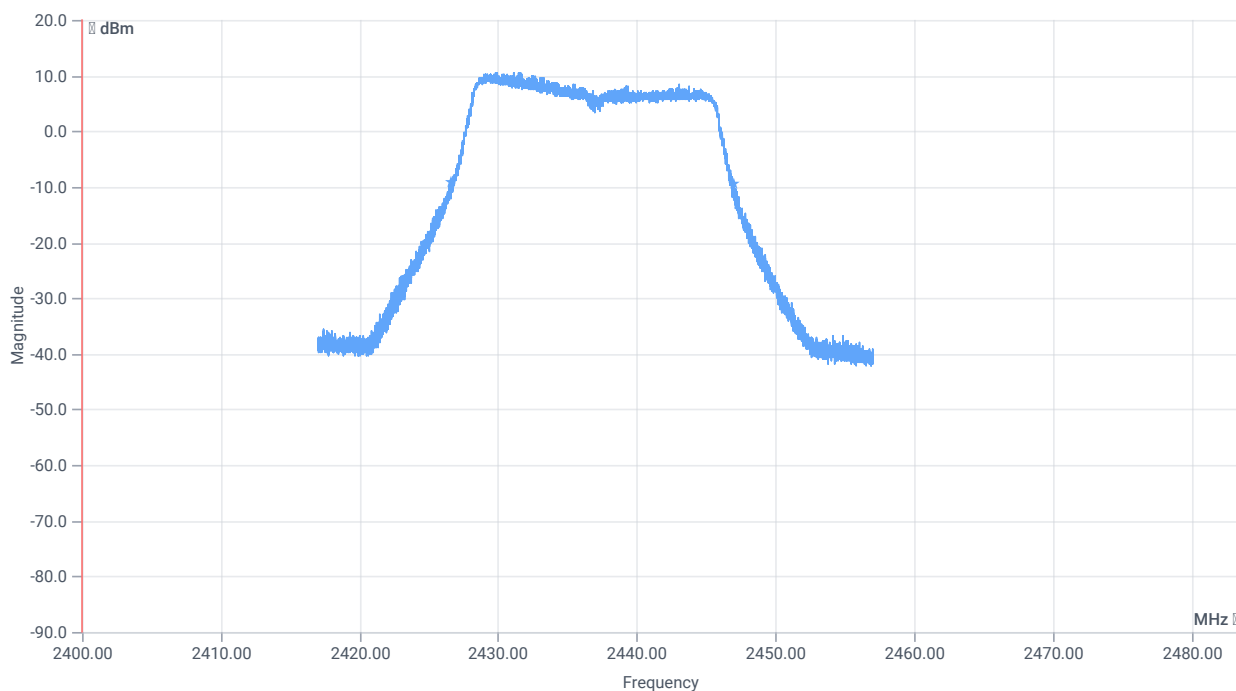
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18238.000	kHz	INFO
T1 99%	2400.000000	---	2427.7169	MHz	PASS
T2 99%	---	2483.500000	2445.9551	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20396	kHz	INFO
T1 20dB	2400.000000	---	2426.5760	MHz	PASS
T2 20dB	---	2483.500000	2446.9720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 n-HT20 mode

References

TC start	19.05.2026 15:11:37
Ambit temp (test rack) [°C] humidity [rel%]	23.2 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

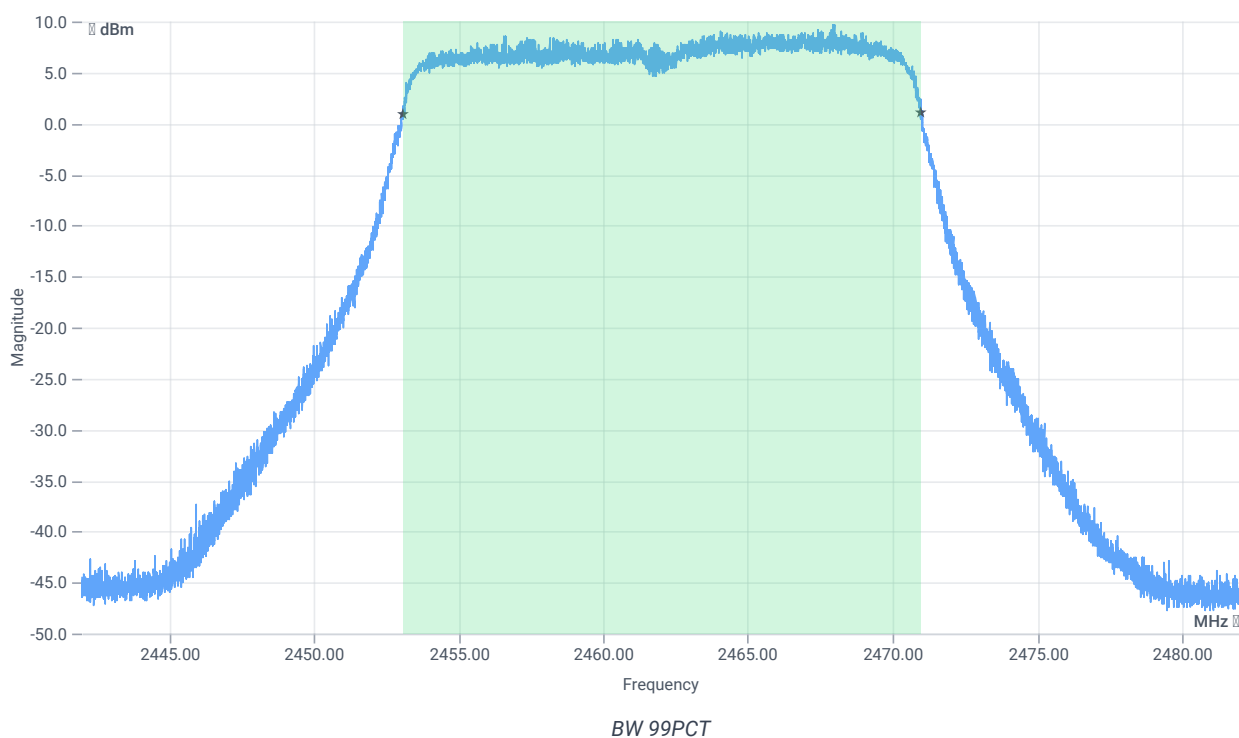
Test at TX 2462 MHz

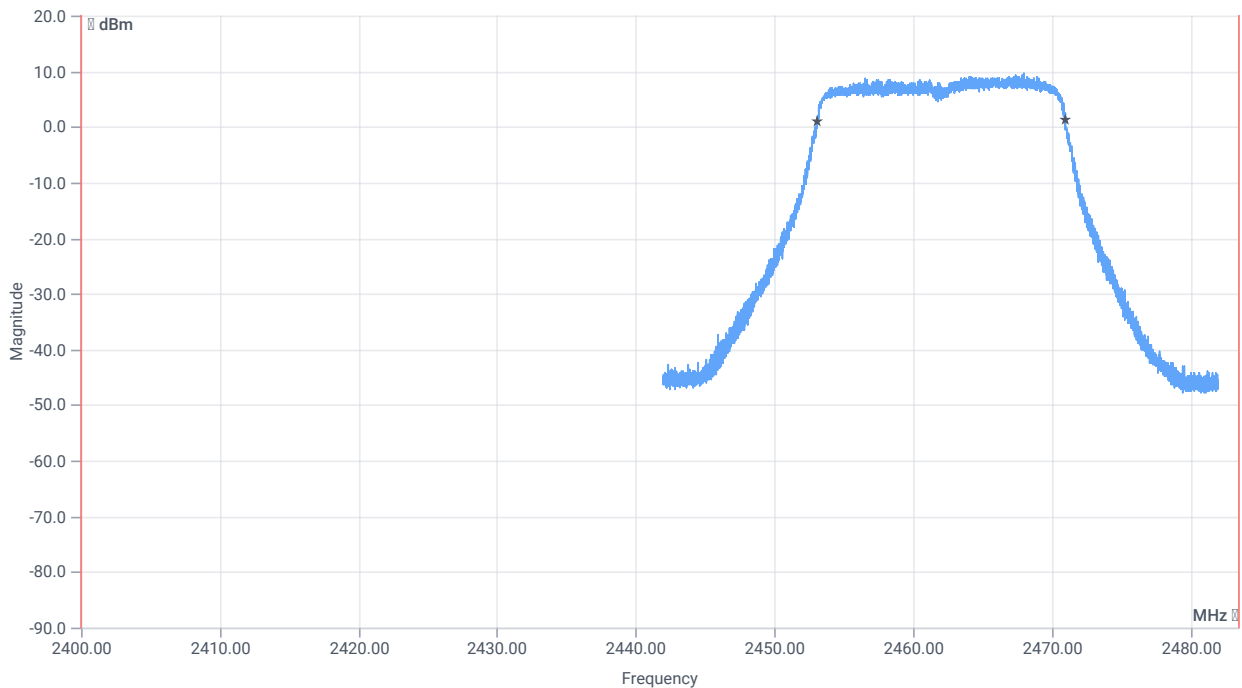
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.02	dBm	INFO
Ref. frequency	---	---	2465.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.02 11.42 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

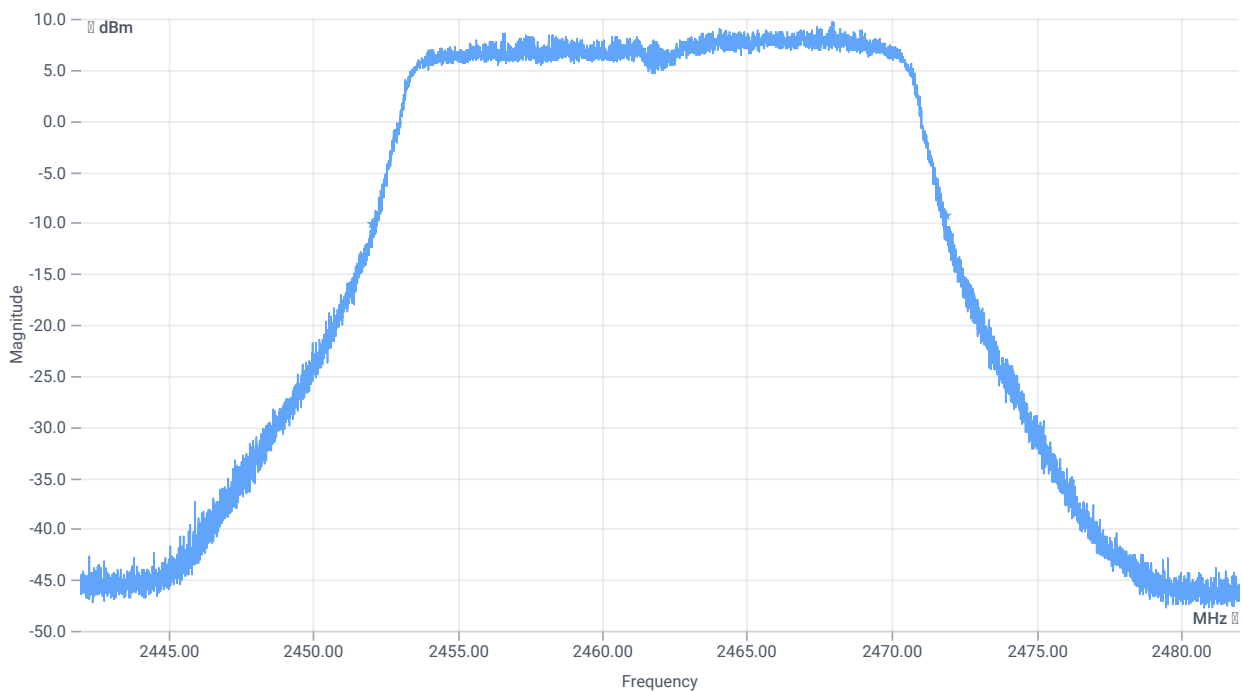




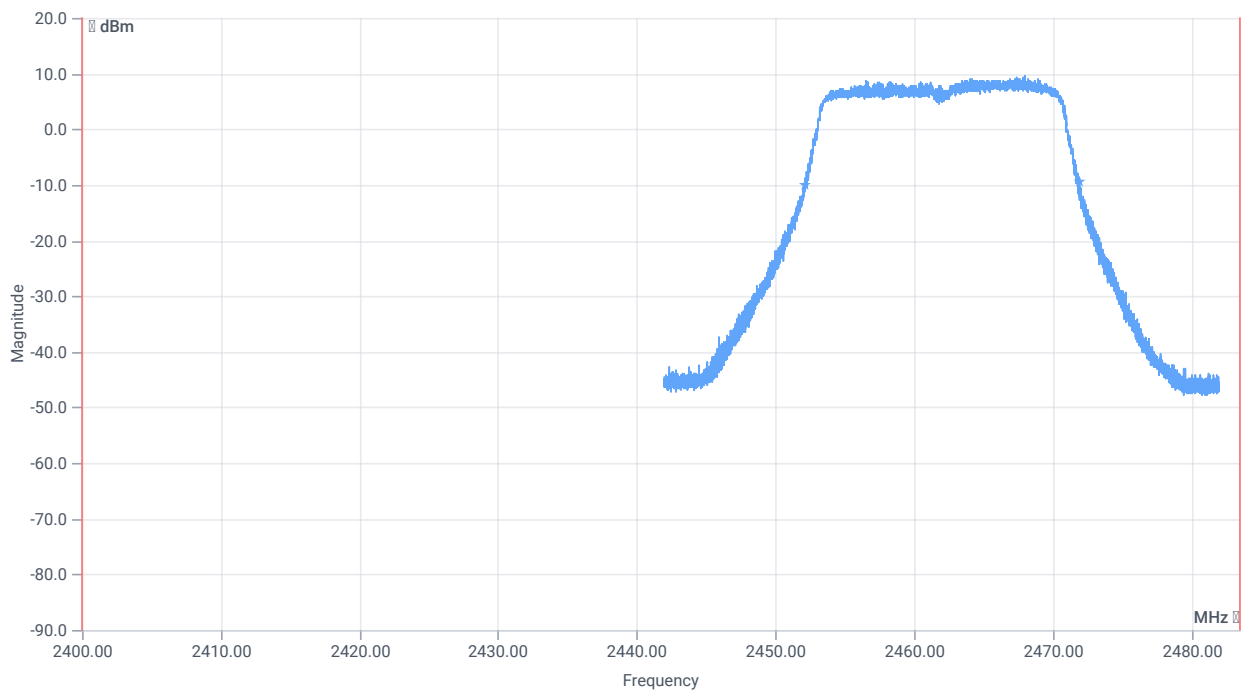
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17894.000	kHz	INFO
T1 99%	2400.000000	---	2453.0649	MHz	PASS
T2 99%	---	2483.500000	2470.9591	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19828	kHz	INFO
T1 20dB	2400.000000	---	2452.0760	MHz	PASS
T2 20dB	---	2483.500000	2471.9040	MHz	PASS

Verdict
PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 15:34:44
Ambit temp (test rack) [°C] humidity [rel%]	23.3 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

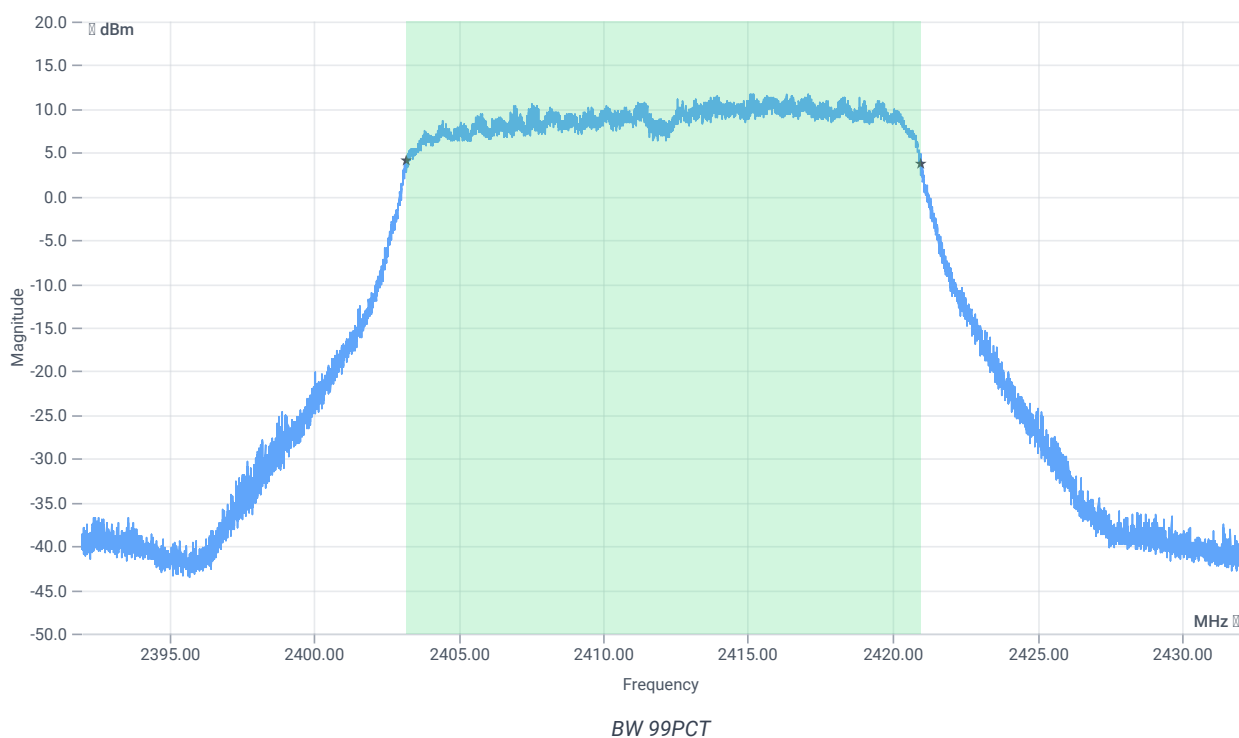
Test at TX 2412 MHz

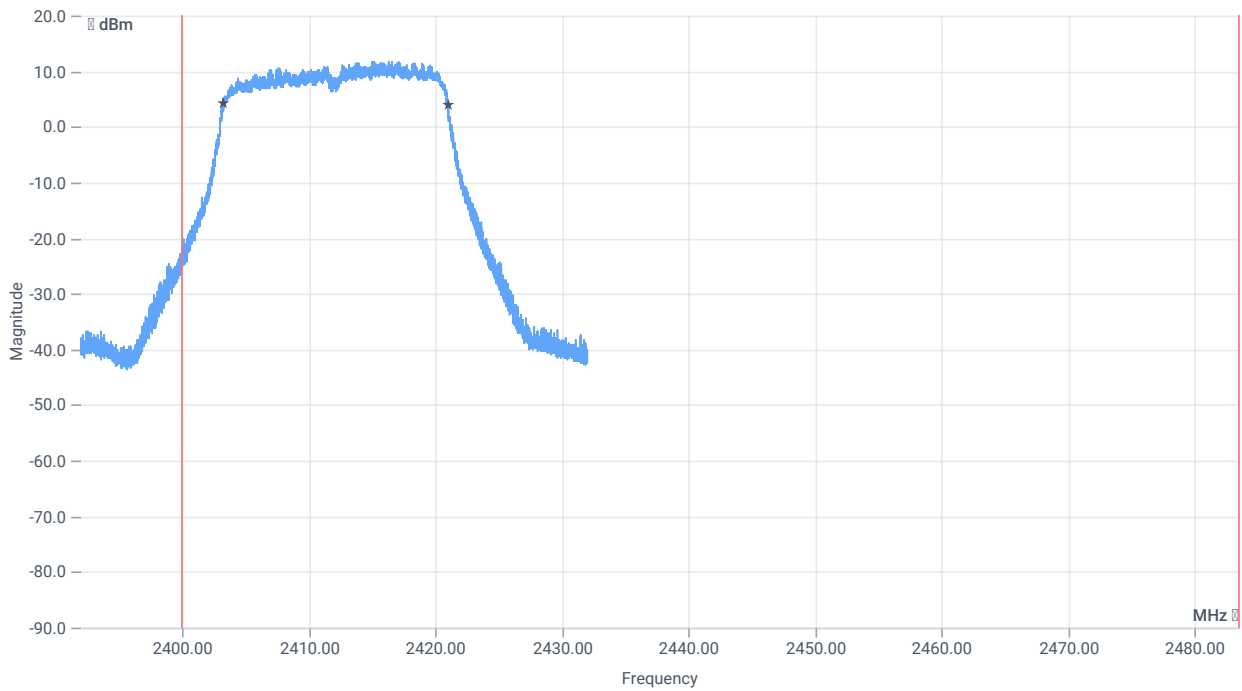
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.63	dBm	INFO
Ref. frequency	---	---	2415.900	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.63 11.32 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

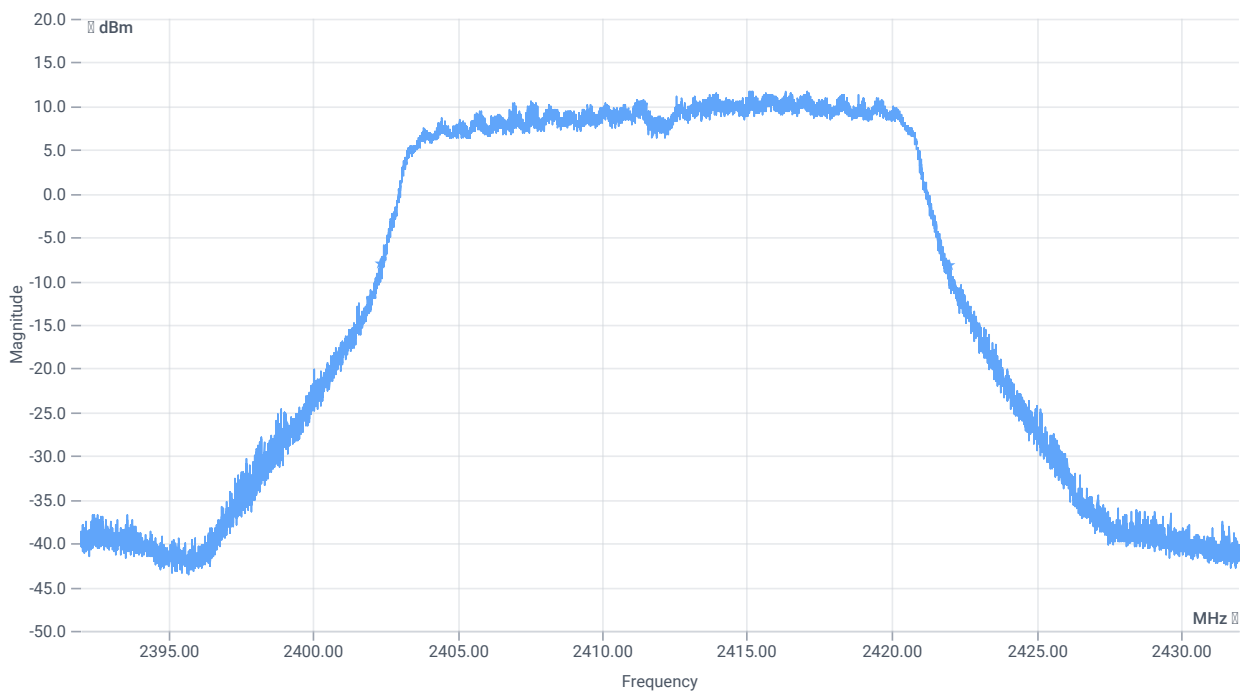




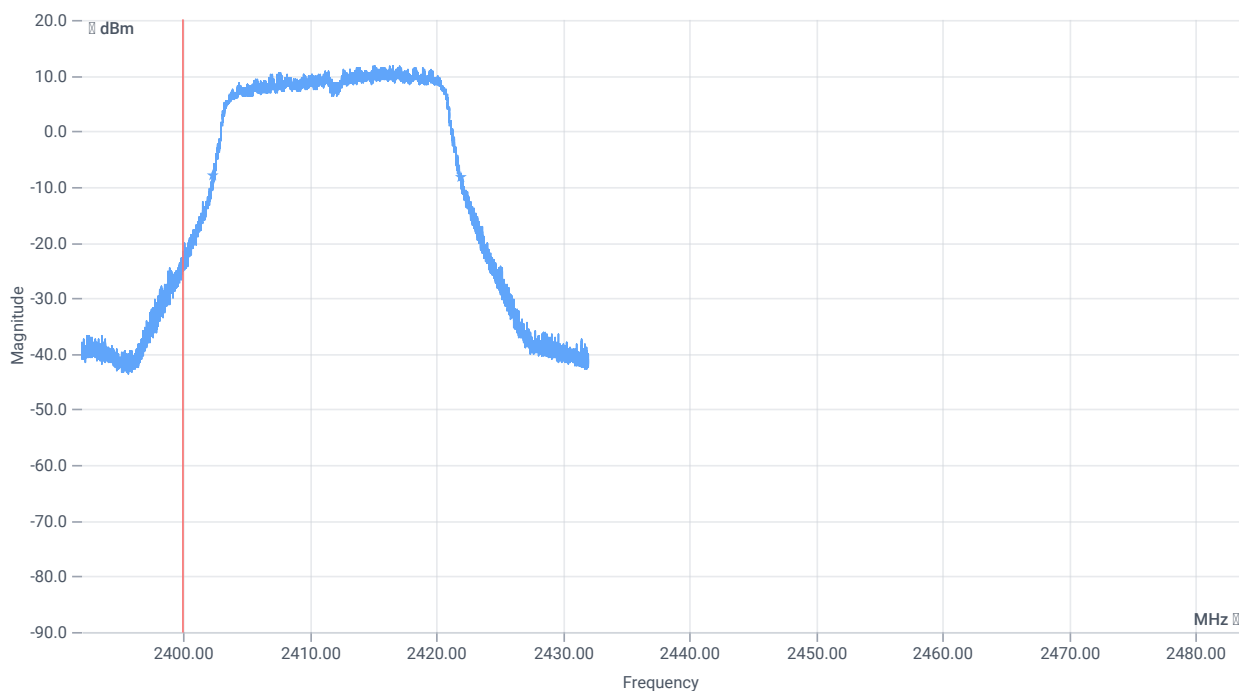
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17786.000	kHz	INFO
T1 99%	2400.000000	---	2403.2049	MHz	PASS
T2 99%	---	2483.500000	2420.9911	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19648	kHz	INFO
T1 20dB	2400.000000	---	2402.3400	MHz	PASS
T2 20dB	---	2483.500000	2421.9880	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 15:52:45
Ambit temp (test rack) [°C] humidity [rel%]	23.4 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

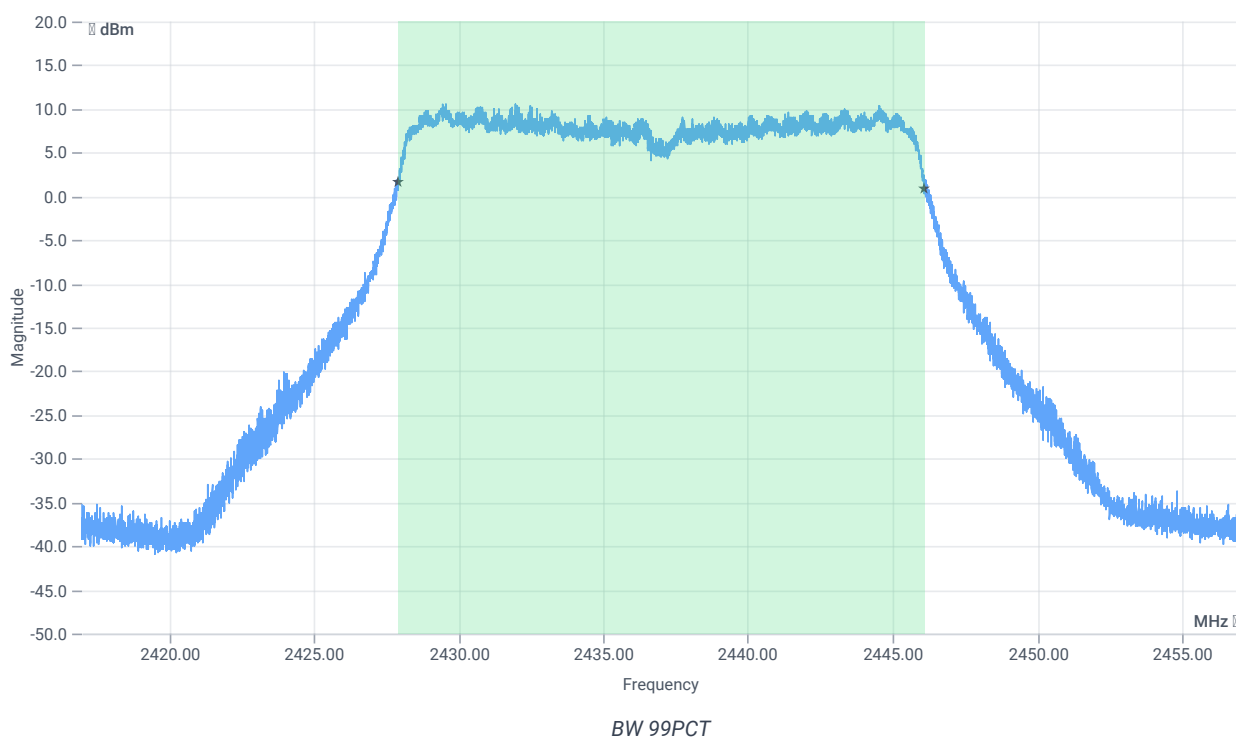
Test at TX 2437 MHz

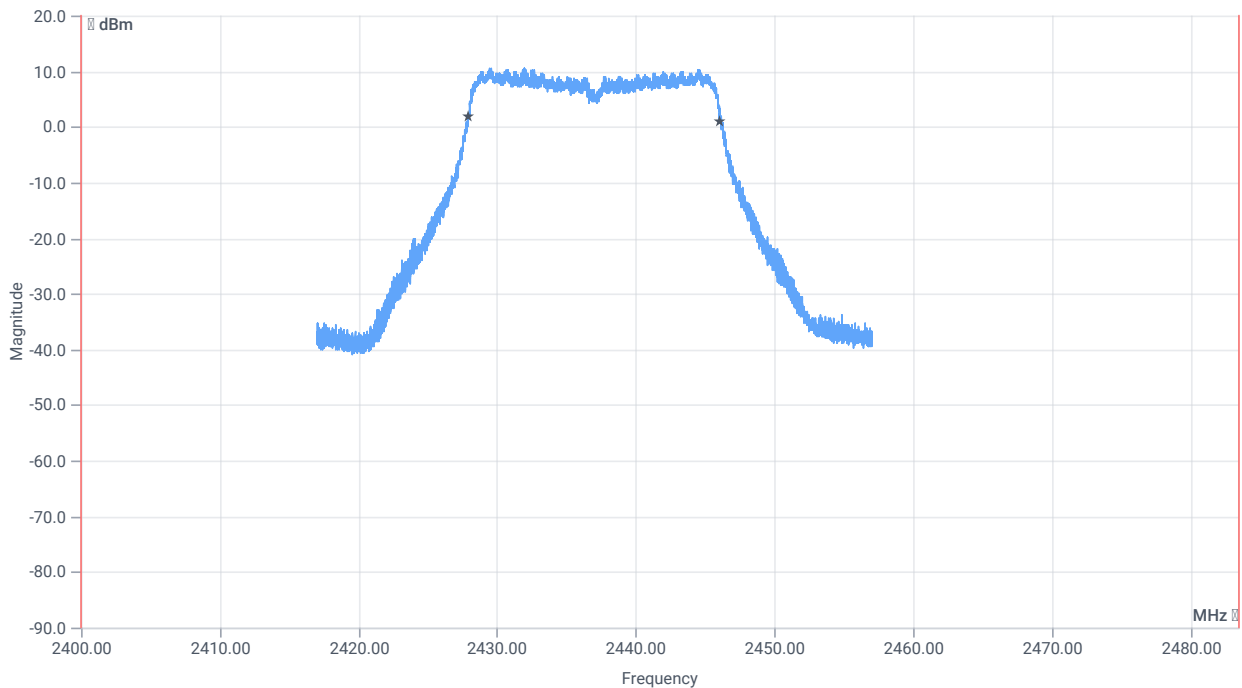
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.59	dBm	INFO
Ref. frequency	---	---	2443.790	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.59 11.75 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

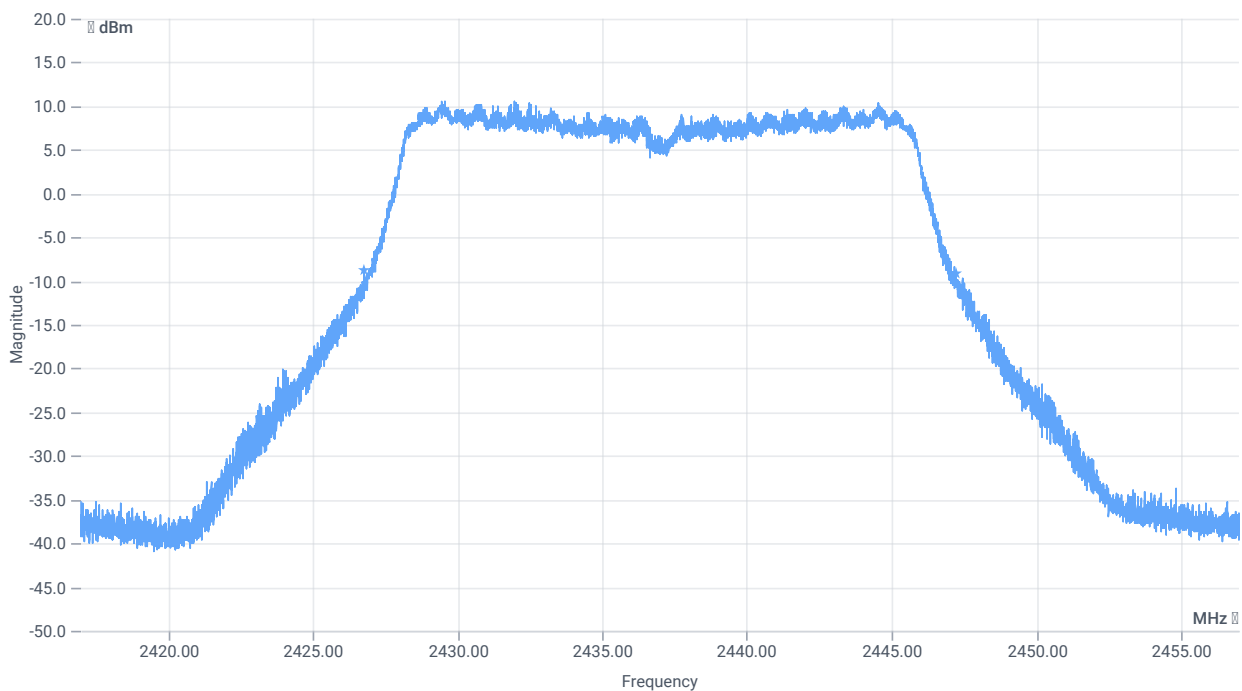




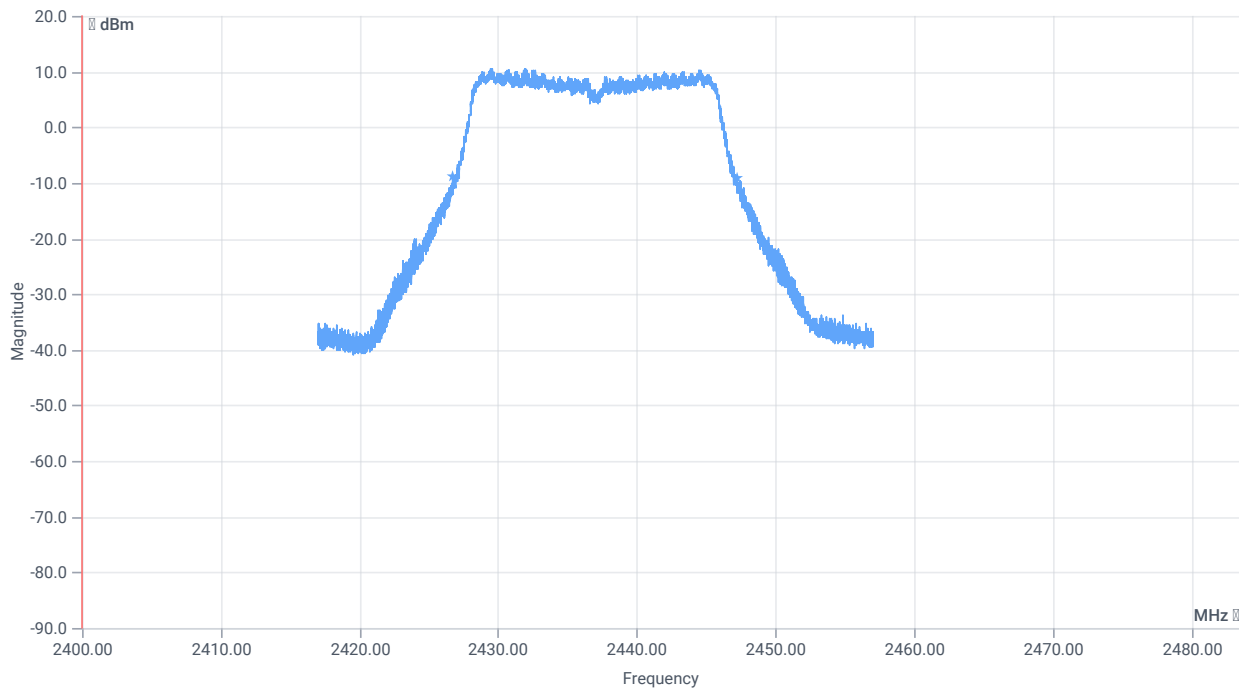
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	18178.000	kHz	INFO
T1 99%	2400.000000	---	2427.9249	MHz	PASS
T2 99%	---	2483.500000	2446.1031	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	20456	kHz	INFO
T1 20dB	2400.000000	---	2426.7760	MHz	PASS
T2 20dB	---	2483.500000	2447.2320	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 ac-VHT20

References

TC start	19.05.2026 16:34:32
Ambit temp (test rack) [°C] humidity [rel%]	23.4 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

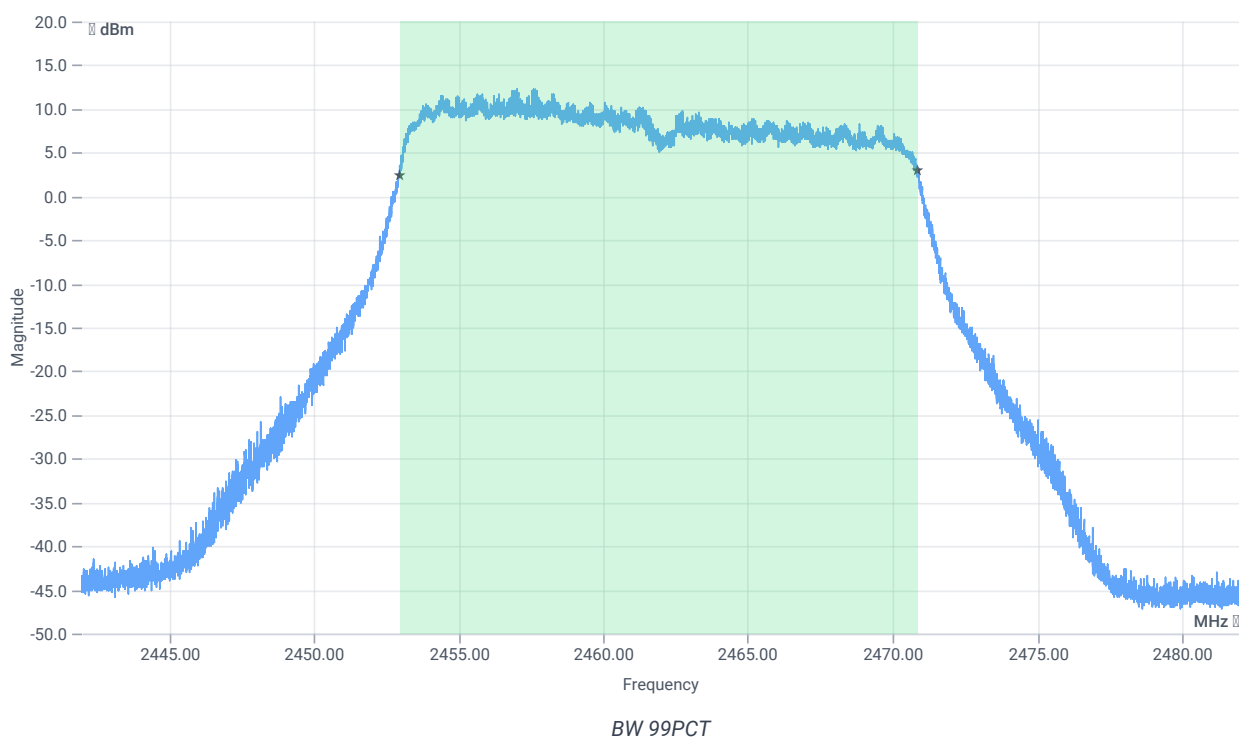
Test at TX 2462 MHz

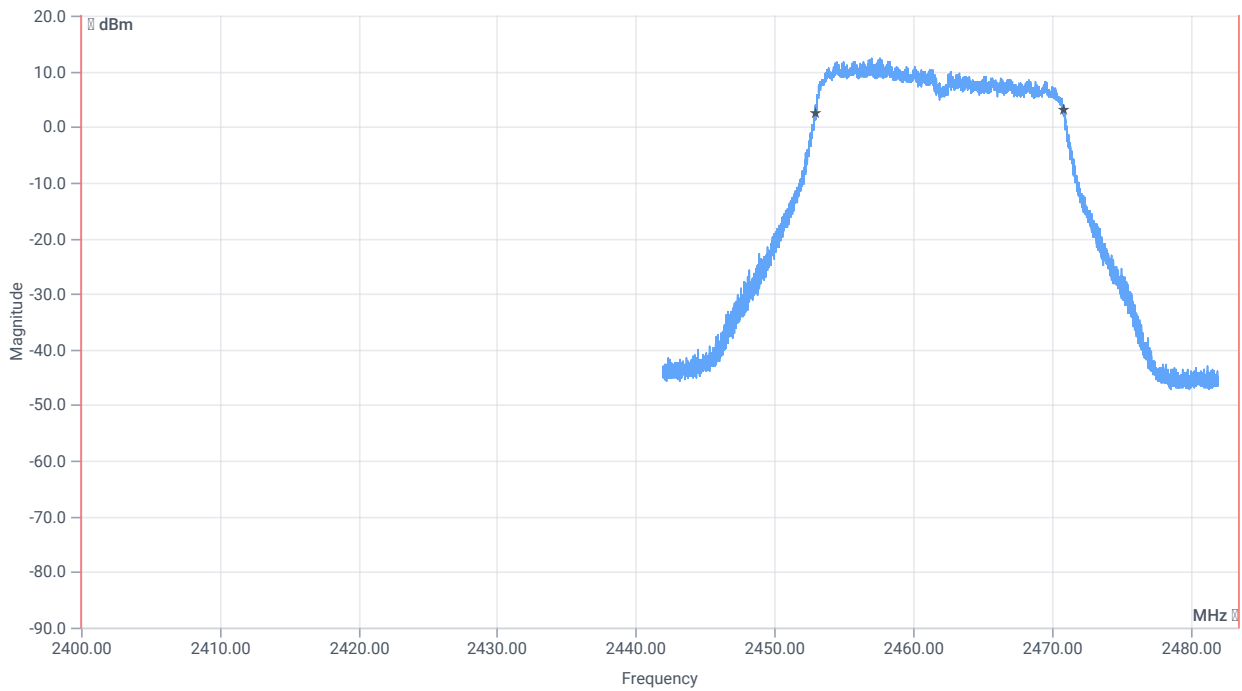
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.57	dBm	INFO
Ref. frequency	---	---	2458.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.57 12.02 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

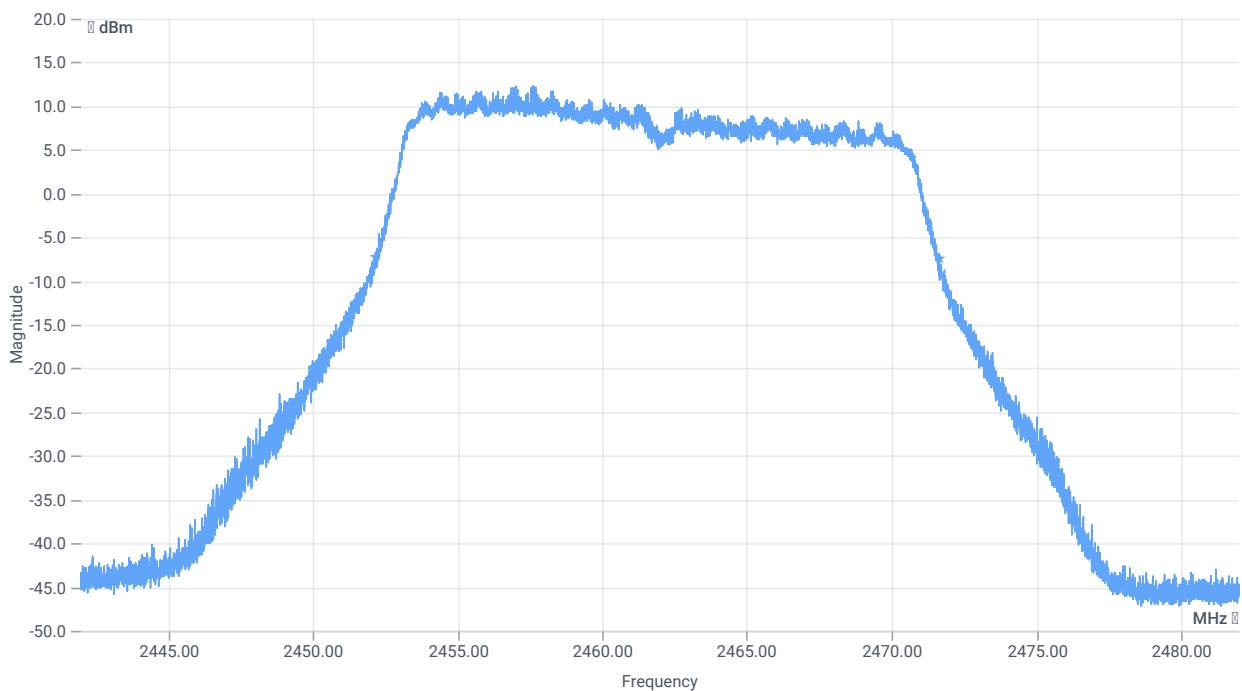




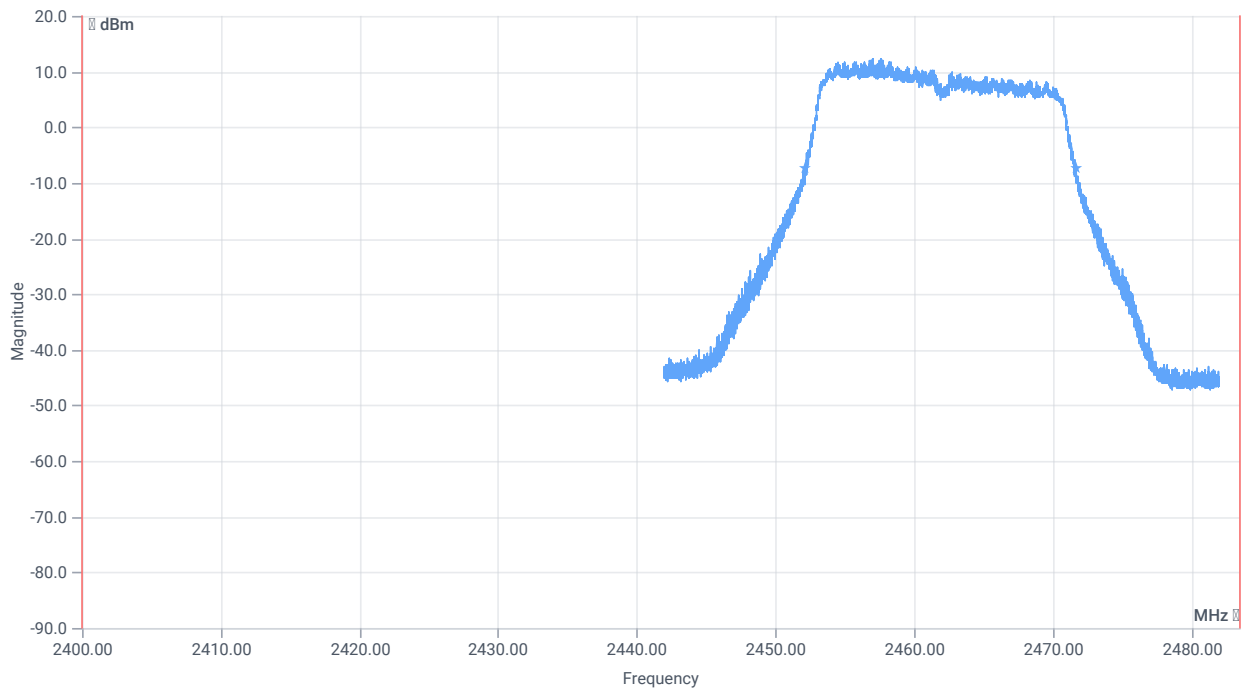
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	17878.000	kHz	INFO
T1 99%	2400.000000	---	2452.9649	MHz	PASS
T2 99%	---	2483.500000	2470.8431	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19484	kHz	INFO
T1 20dB	2400.000000	---	2452.1520	MHz	PASS
T2 20dB	---	2483.500000	2471.6360	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:03:34
Ambit temp (test rack) [°C] humidity [rel%]	22.6 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

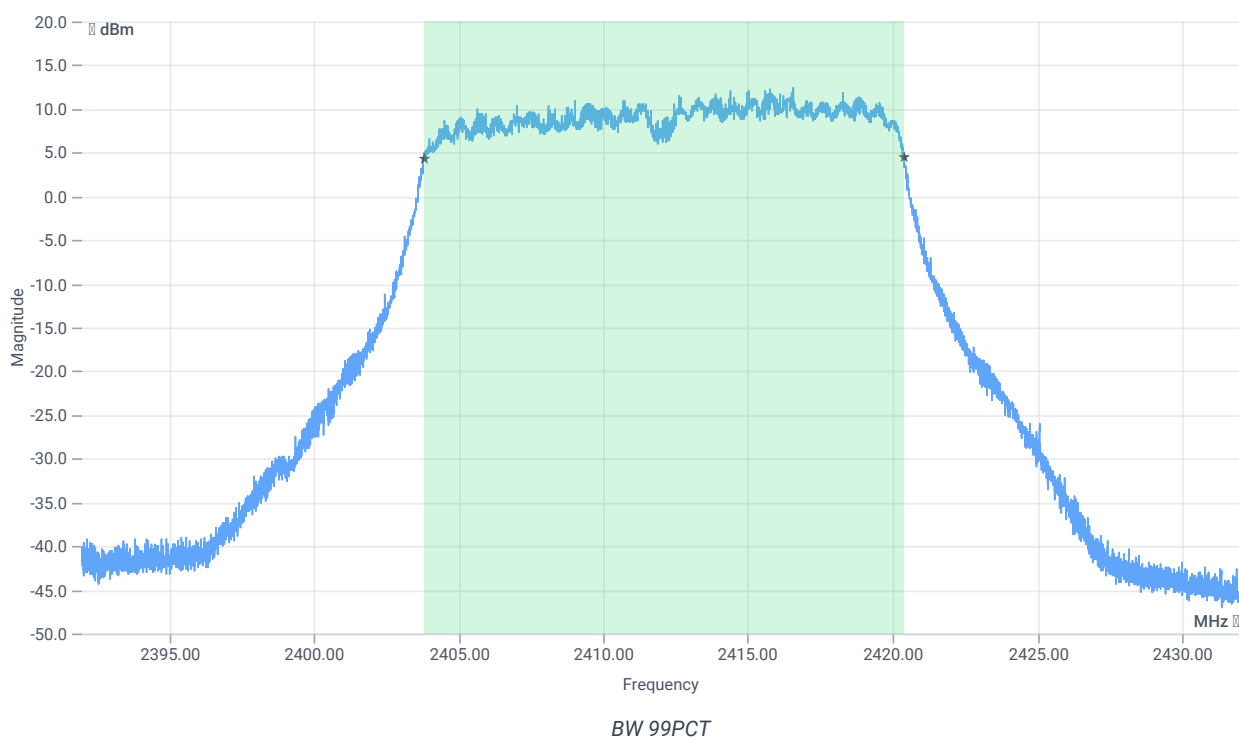
Test at TX 2412 MHz

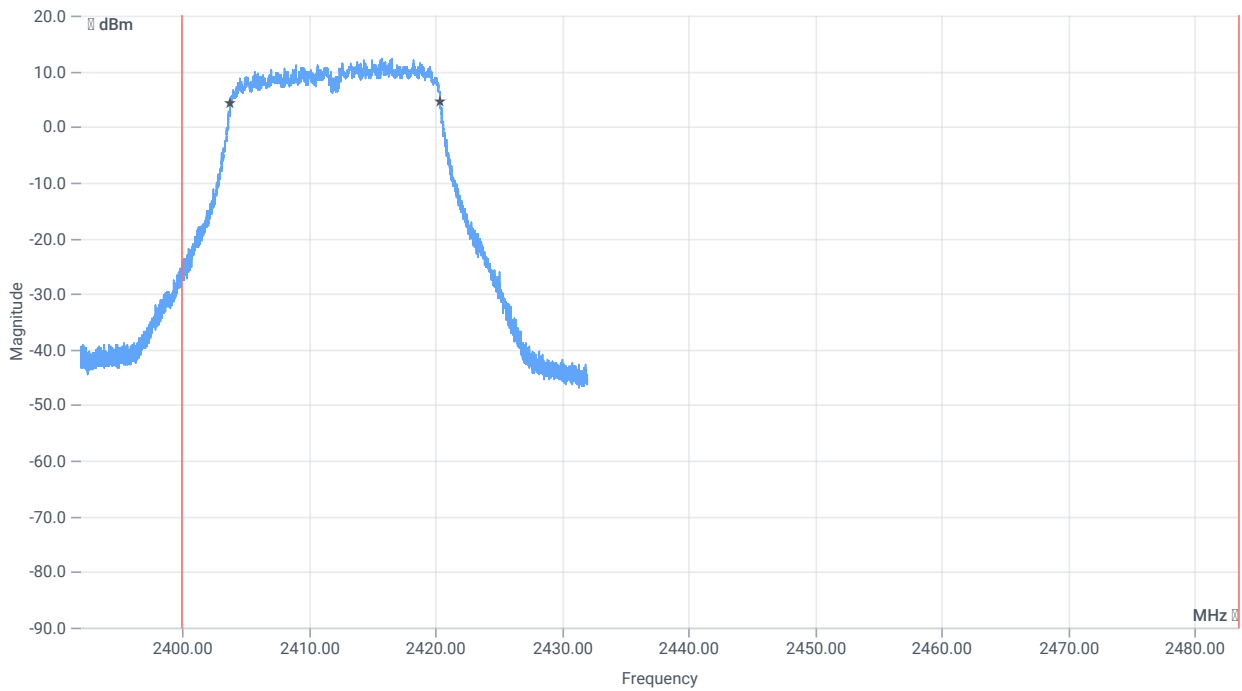
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.32	dBm	INFO
Ref. frequency	---	---	2415.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.32 11.32 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

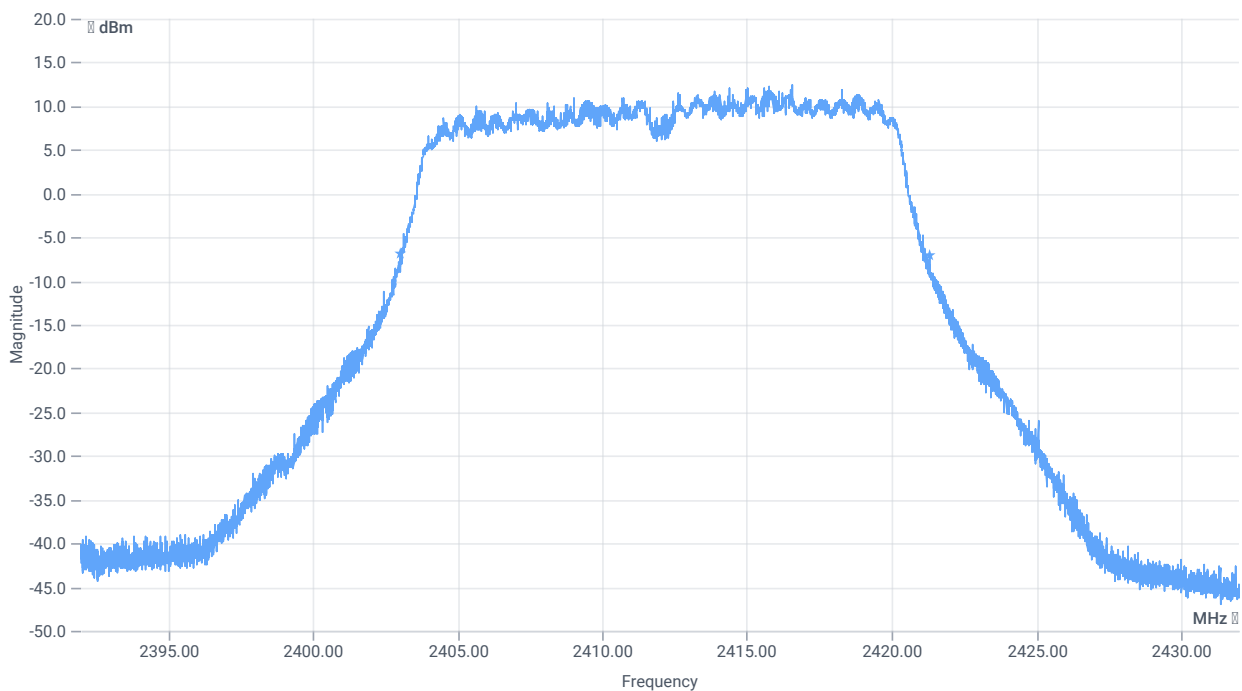




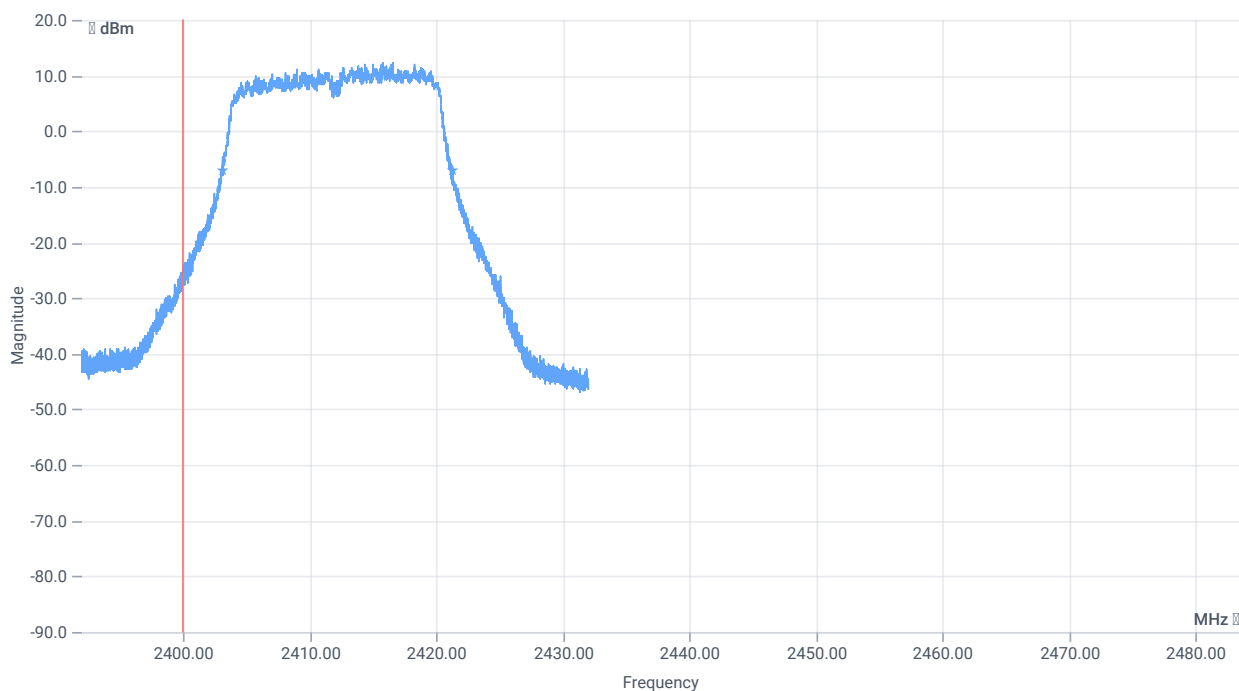
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16598.000	kHz	INFO
T1 99%	2400.000000	---	2403.8008	MHz	PASS
T2 99%	---	2483.500000	2420.3992	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18276	kHz	INFO
T1 20dB	2400.000000	---	2403.0480	MHz	PASS
T2 20dB	---	2483.500000	2421.3240	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:21:37
Ambit temp (test rack) [°C] humidity [rel%]	22.9 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

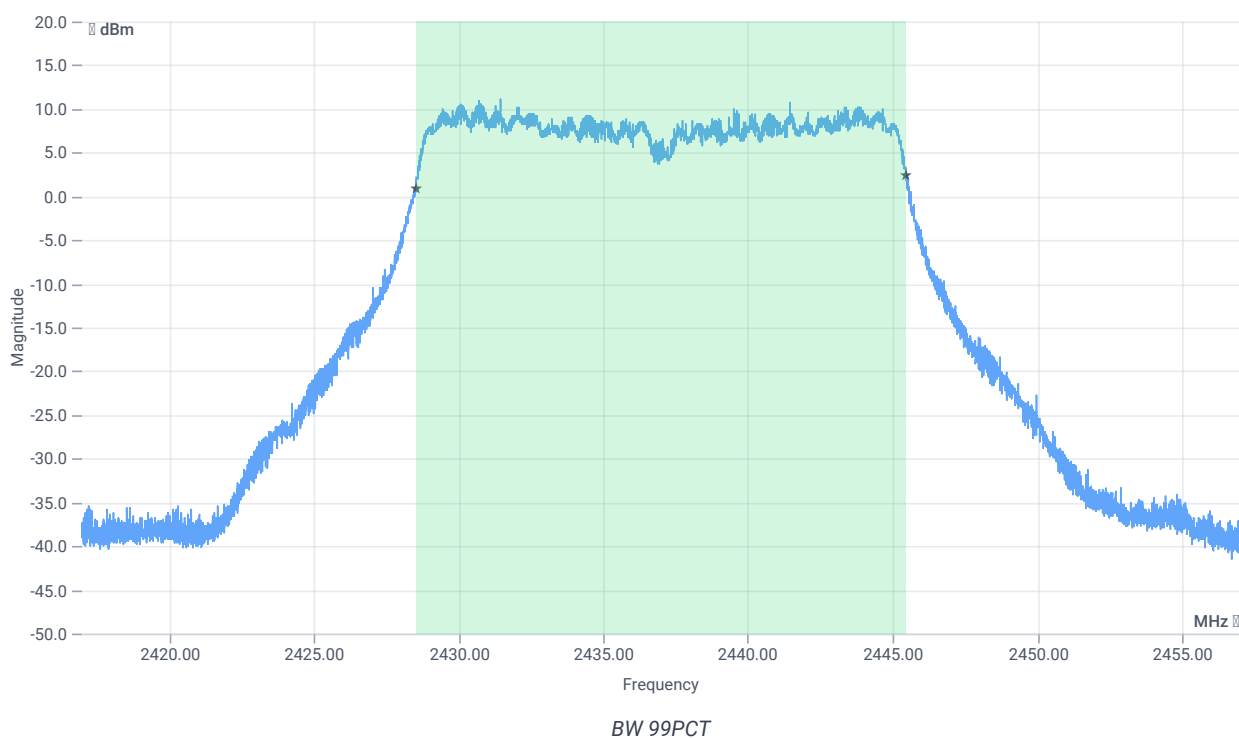
Test at TX 2437 MHz

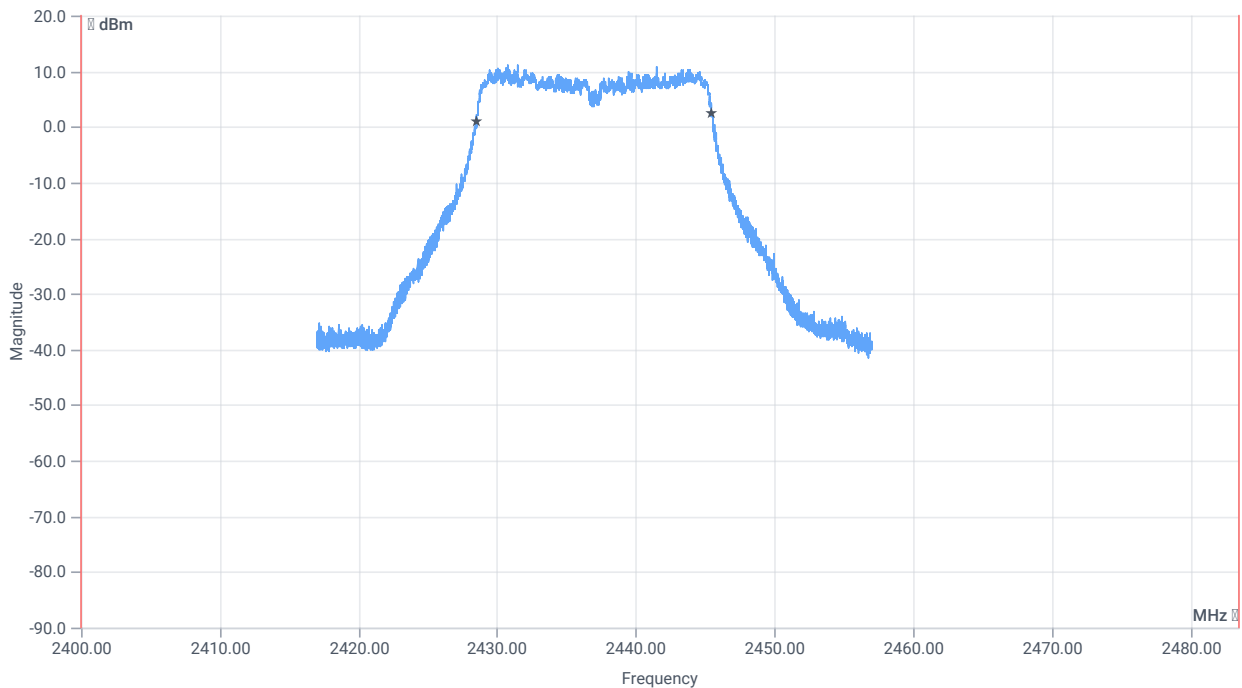
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.37	dBm	INFO
Ref. frequency	---	---	2431.210	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.37 11.75 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

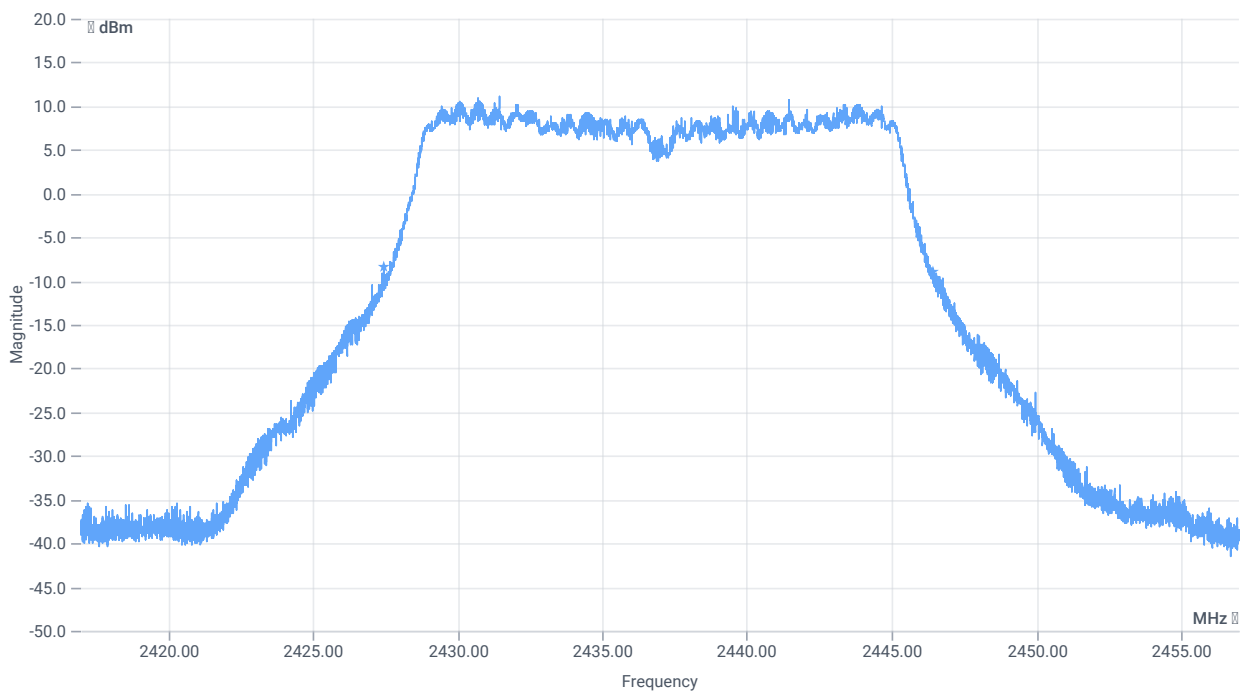




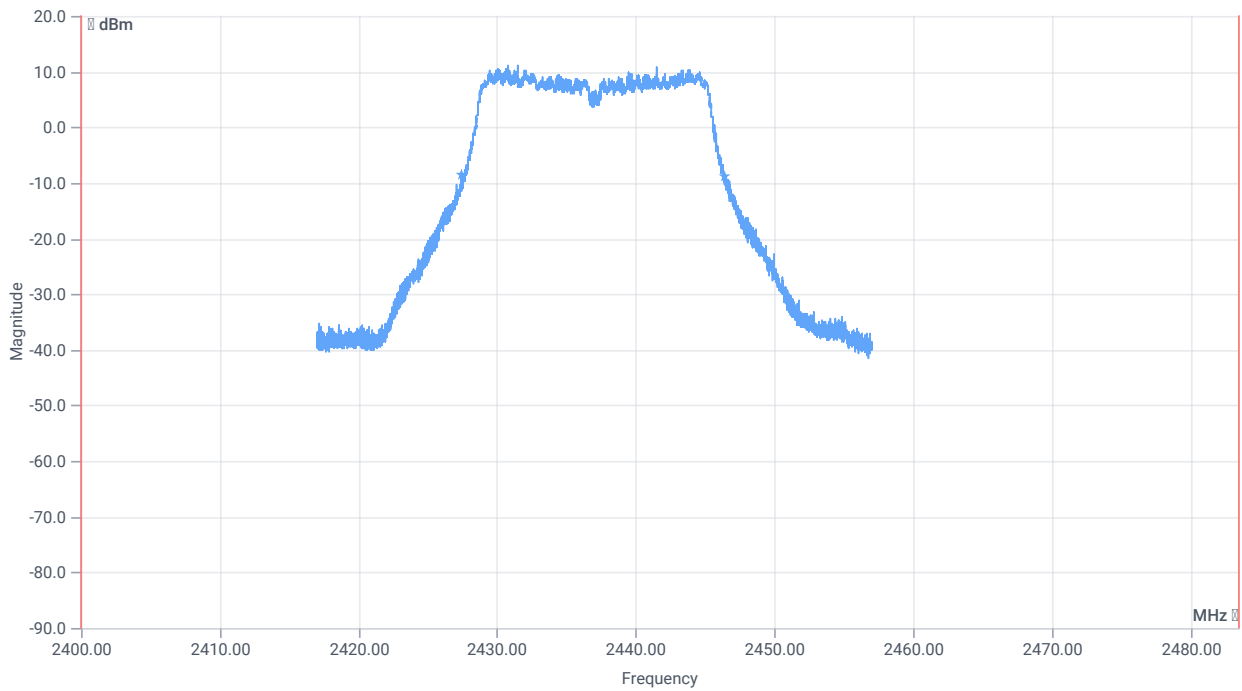
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16930.000	kHz	INFO
T1 99%	2400.000000	---	2428.5448	MHz	PASS
T2 99%	---	2483.500000	2445.4752	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	19008	kHz	INFO
T1 20dB	2400.000000	---	2427.4400	MHz	PASS
T2 20dB	---	2483.500000	2446.4480	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	18.05.2026 16:39:41
Ambit temp (test rack) [°C] humidity [rel%]	23.1 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

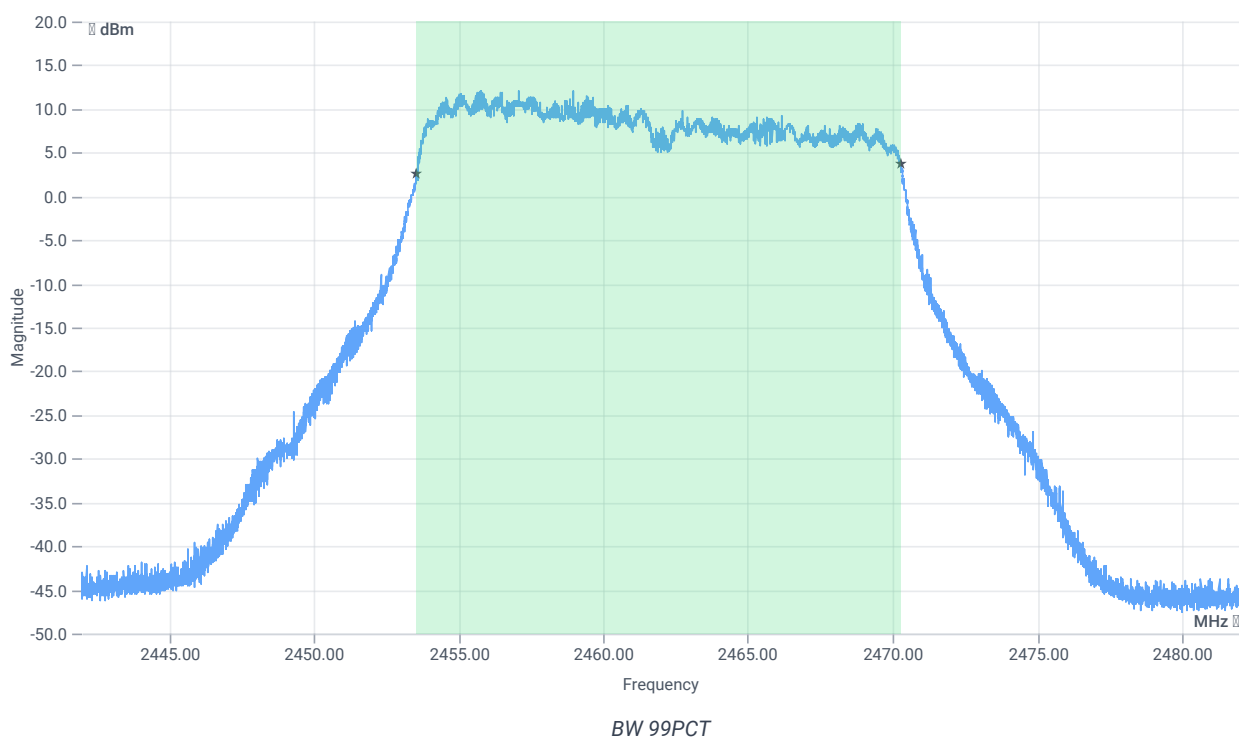
Test at TX 2462 MHz

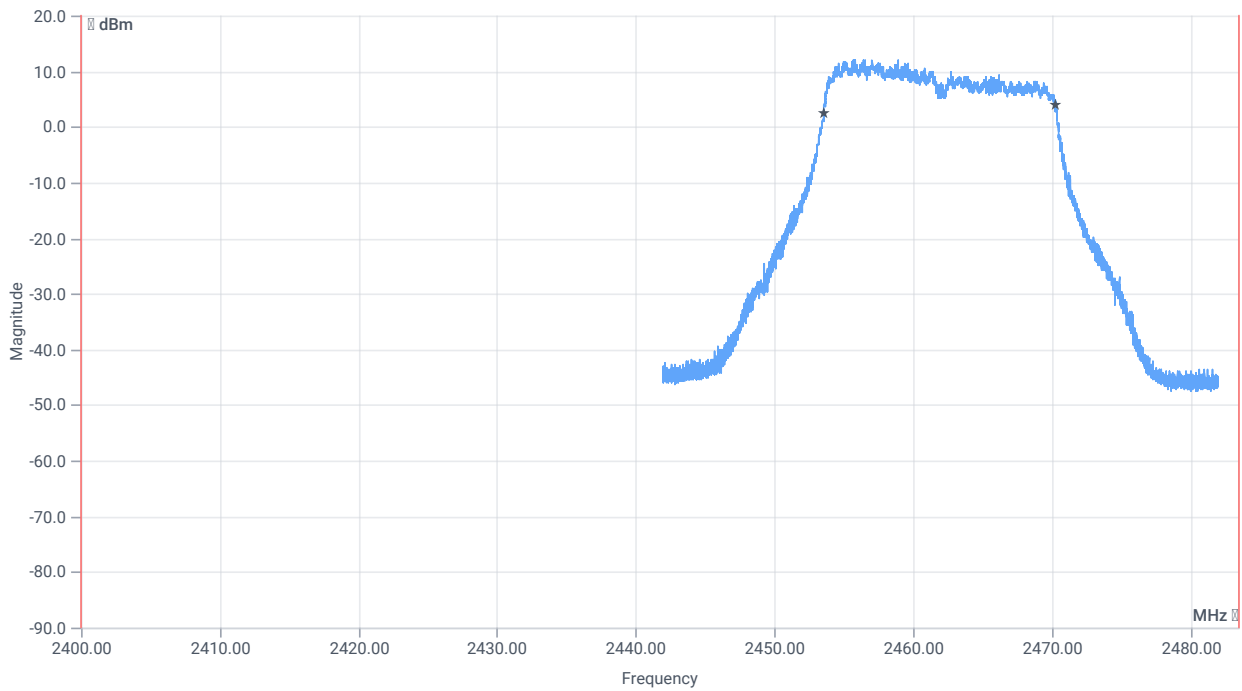
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.90	dBm	INFO
Ref. frequency	---	---	2457.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.90 12.02 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

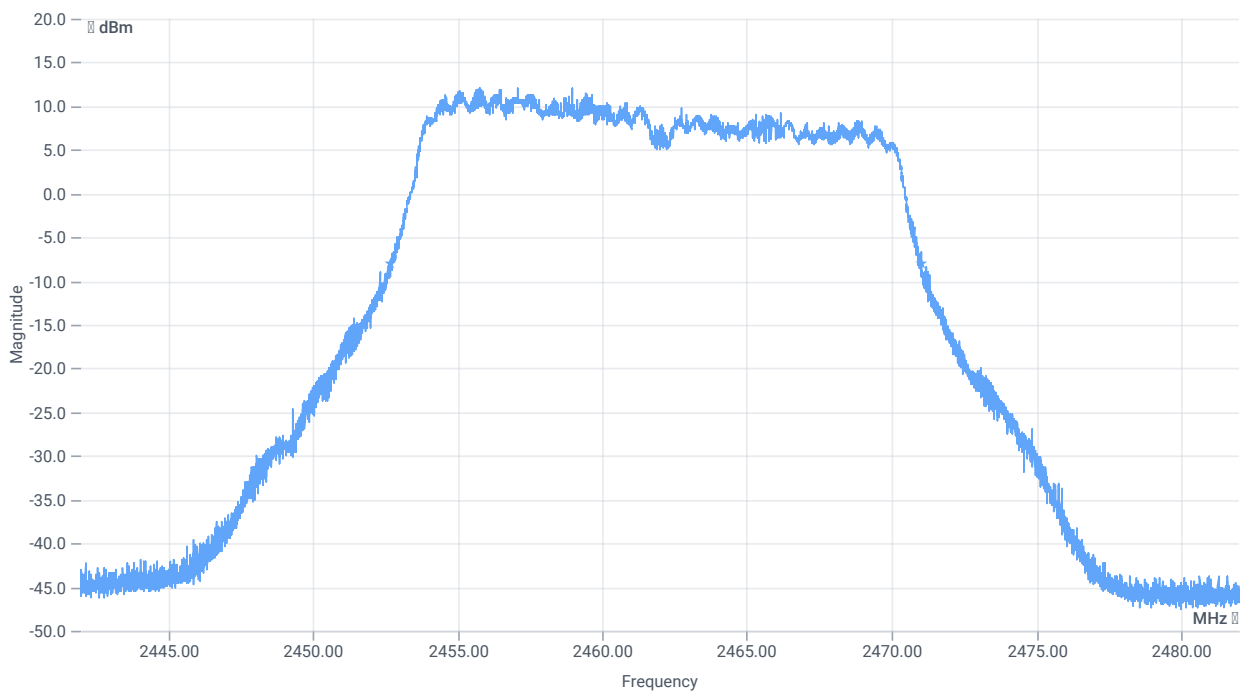




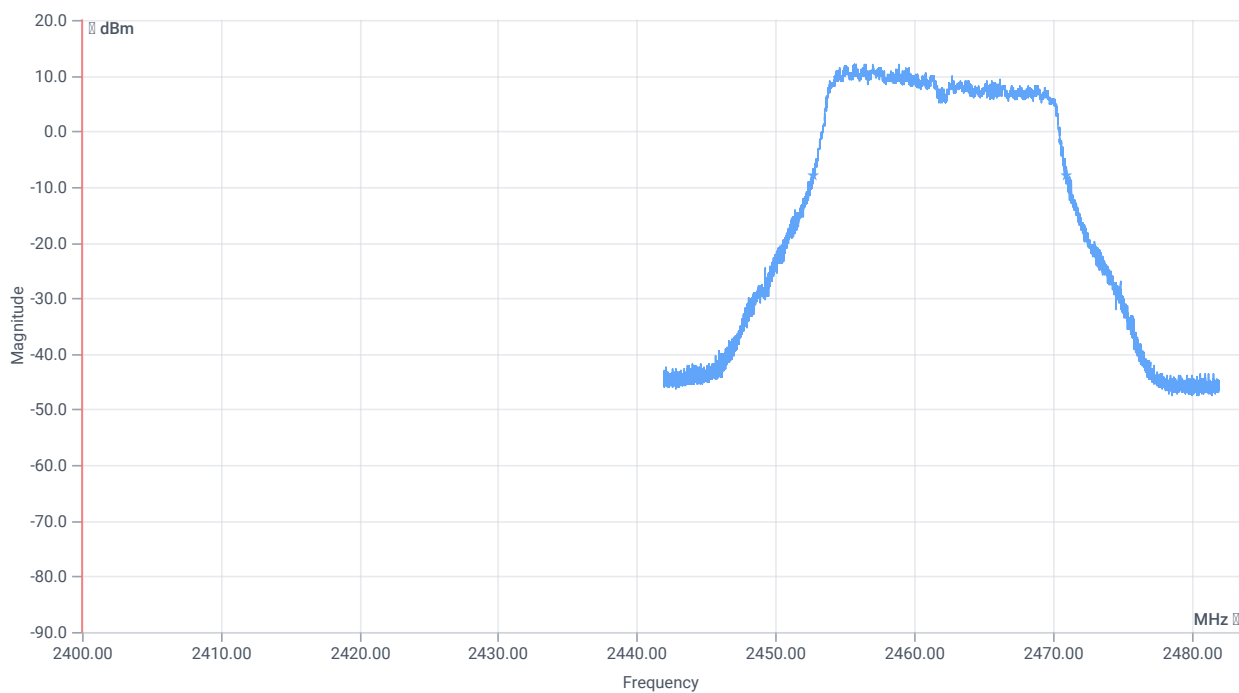
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	16710.000	kHz	INFO
T1 99%	2400.000000	---	2453.5608	MHz	PASS
T2 99%	---	2483.500000	2470.2712	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	18316	kHz	INFO
T1 20dB	2400.000000	---	2452.6920	MHz	PASS
T2 20dB	---	2483.500000	2471.0080	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 10:17:39
Ambit temp (test rack) [°C] humidity [rel%]	21.9 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

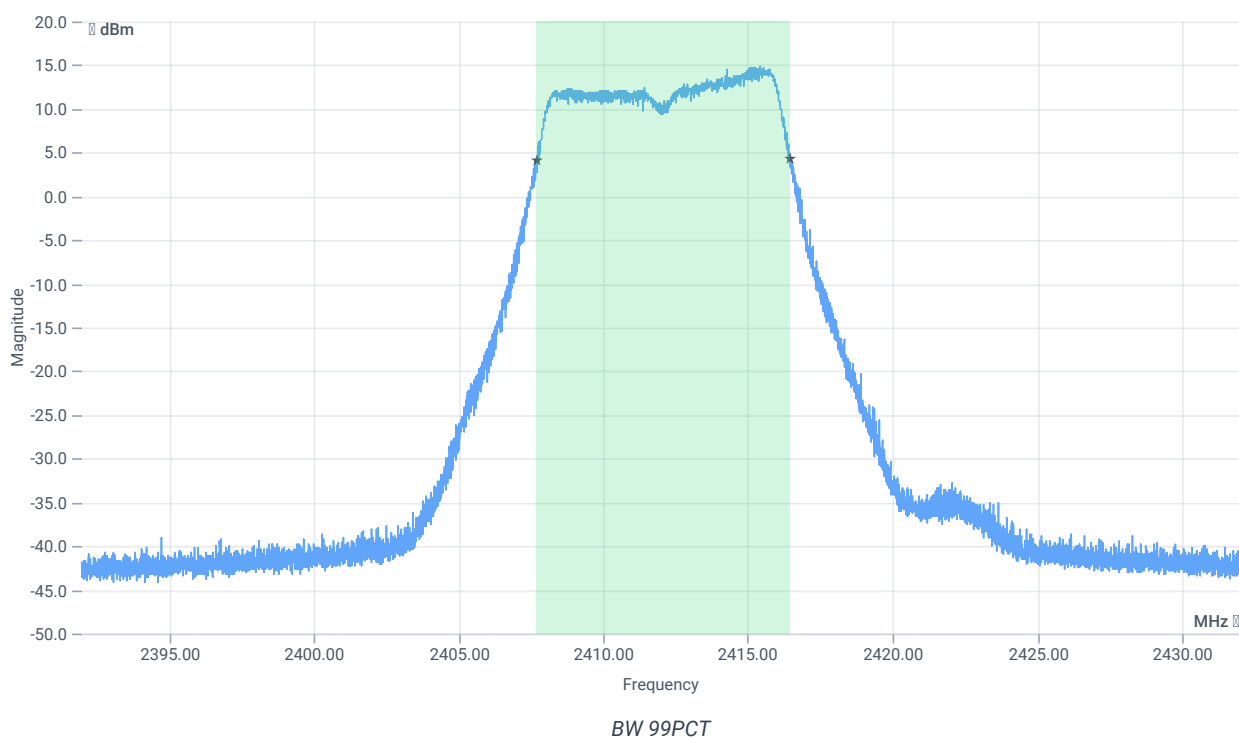
Test at TX 2412 MHz

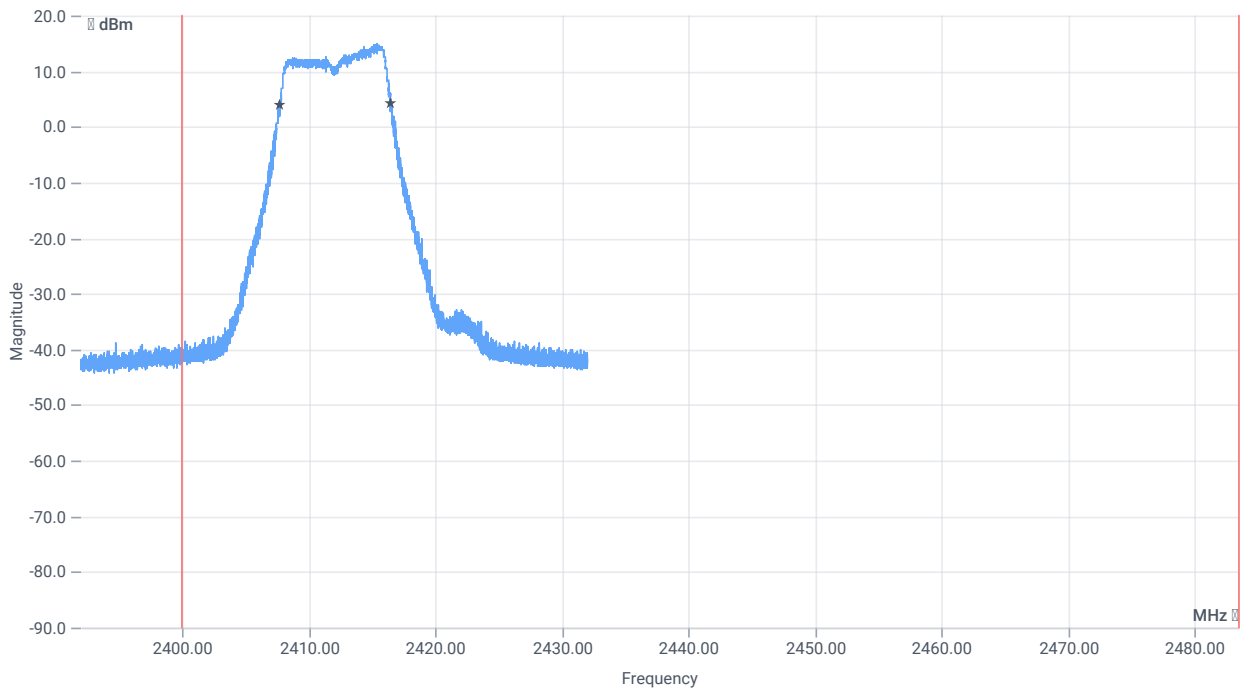
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	17.41	dBm	INFO
Ref. frequency	---	---	2415.400	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	22.41 11.43 30
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

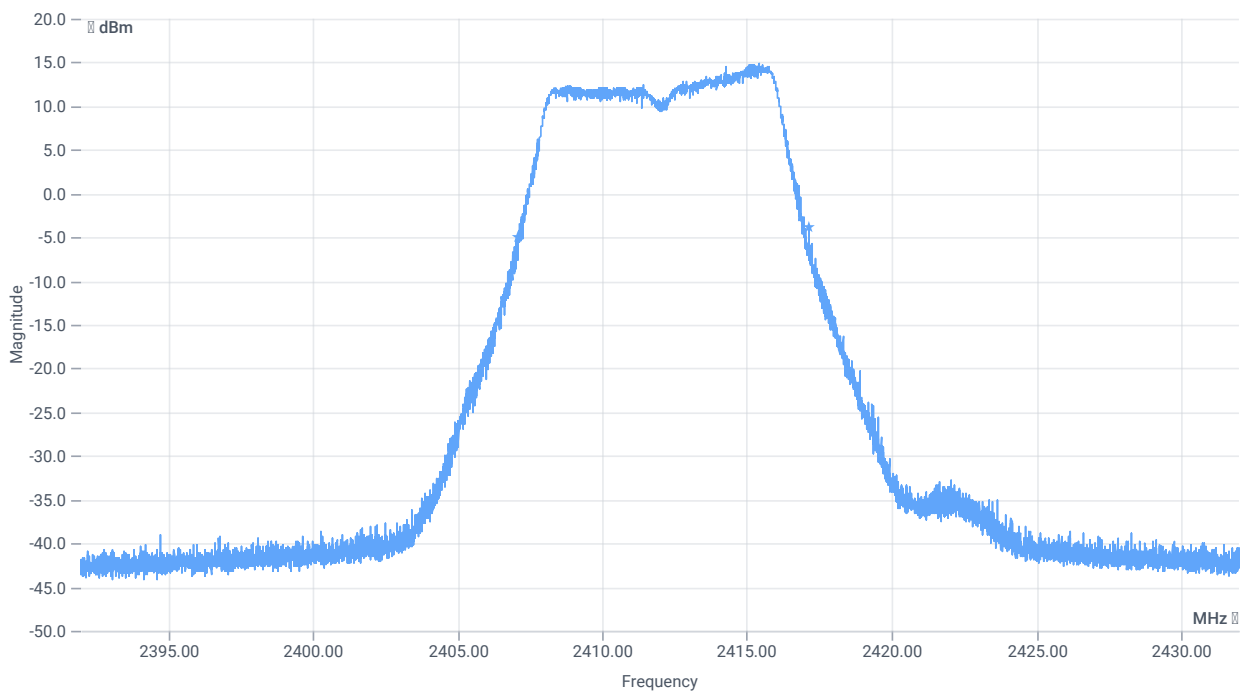




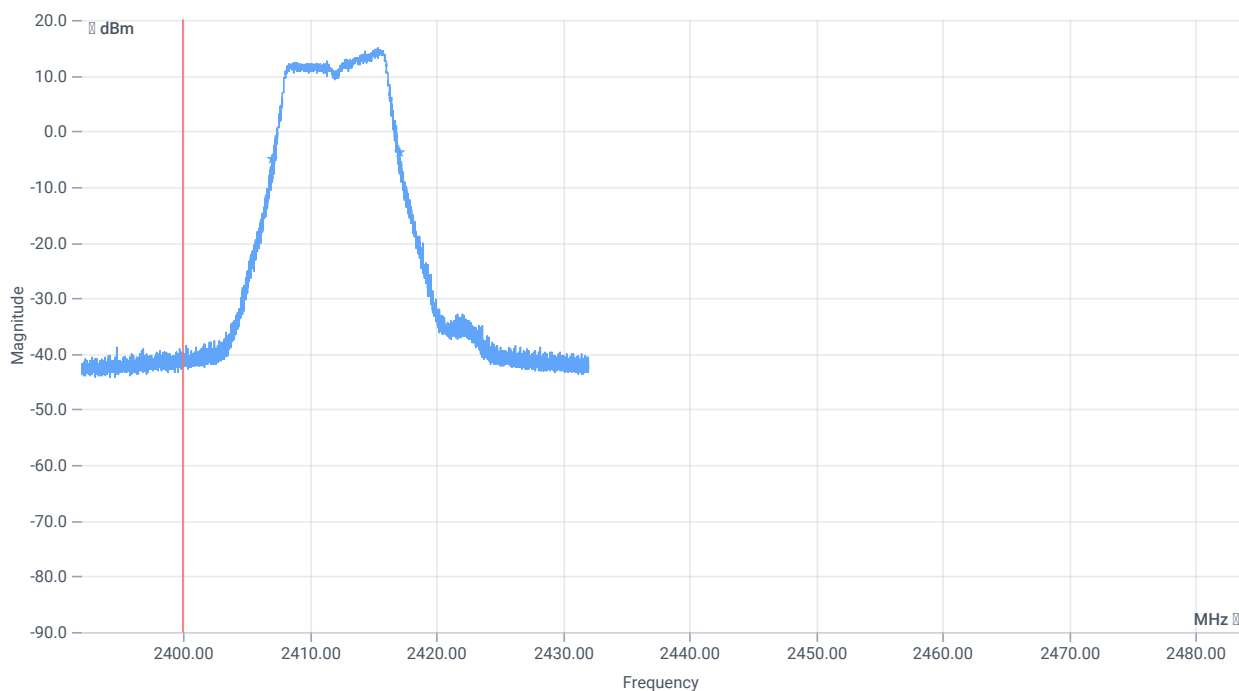
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8759.000	kHz	INFO
T1 99%	2400.000000	---	2407.7124	MHz	PASS
T2 99%	---	2483.500000	2416.4716	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	10064	kHz	INFO
T1 20dB	2400.000000	---	2407.0640	MHz	PASS
T2 20dB	---	2483.500000	2417.1280	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 10:45:30
Ambit temp (test rack) [°C] humidity [rel%]	22.1 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

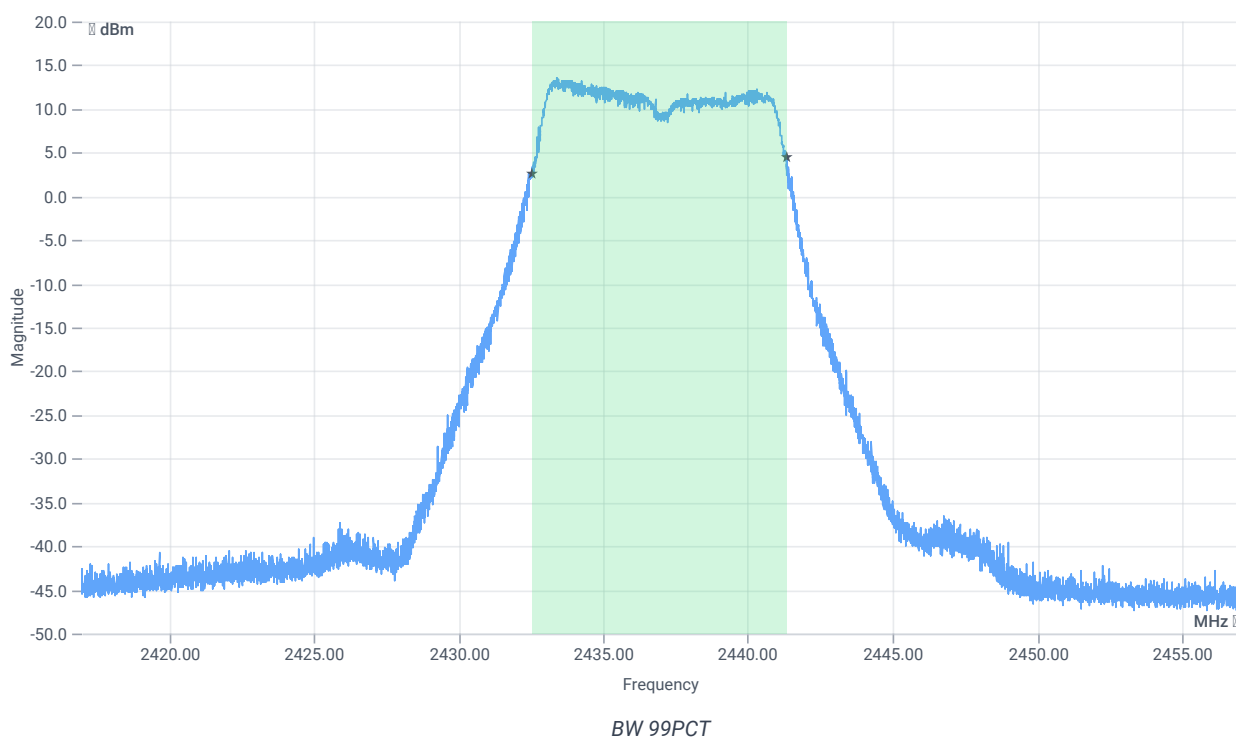
Test at TX 2437 MHz

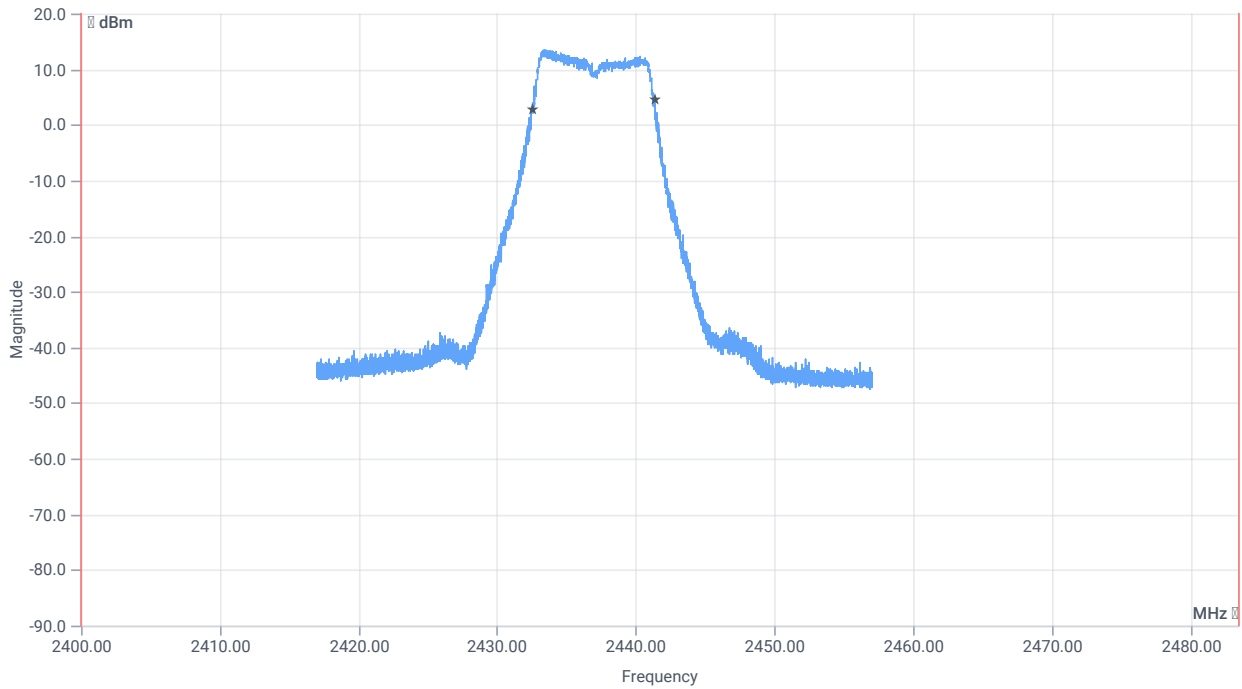
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.89	dBm	INFO
Ref. frequency	---	---	2435.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.89 11.4 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

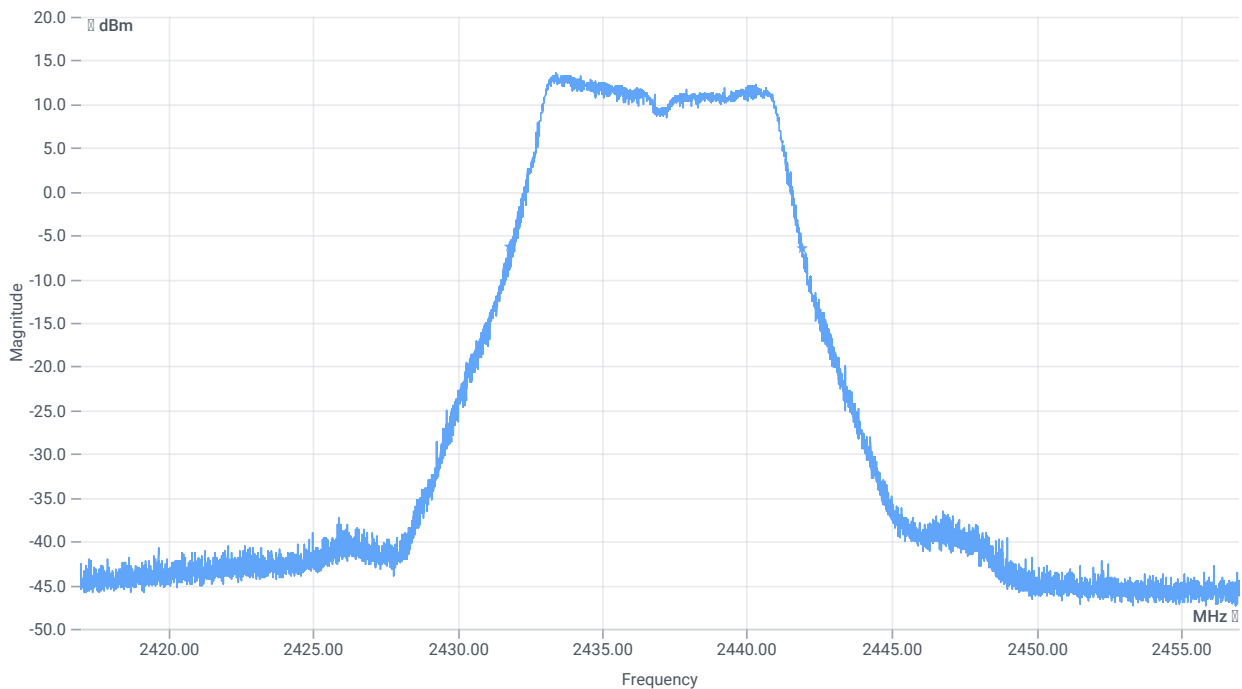




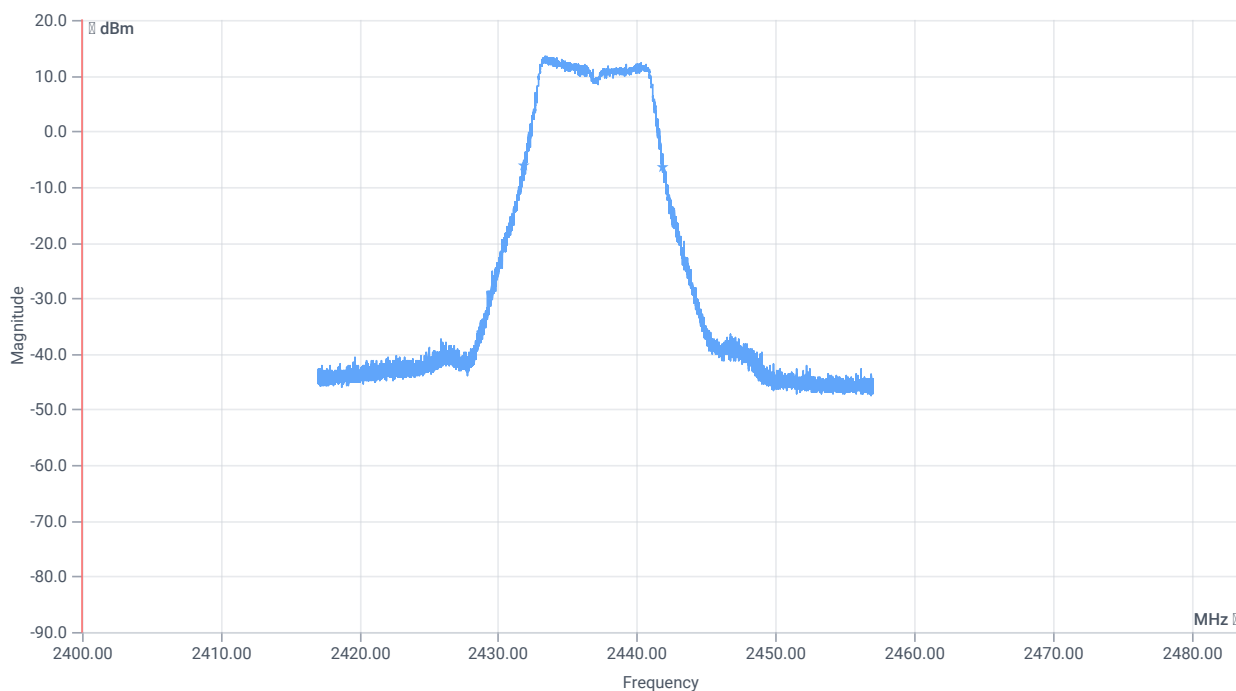
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8819.000	kHz	INFO
T1 99%	2400.000000	---	2432.5164	MHz	PASS
T2 99%	---	2483.500000	2441.3356	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	10096	kHz	INFO
T1 20dB	2400.000000	---	2431.8120	MHz	PASS
T2 20dB	---	2483.500000	2441.9080	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 g mode

References

TC start	19.05.2026 11:03:56
Ambit temp (test rack) [°C] humidity [rel%]	22.2 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

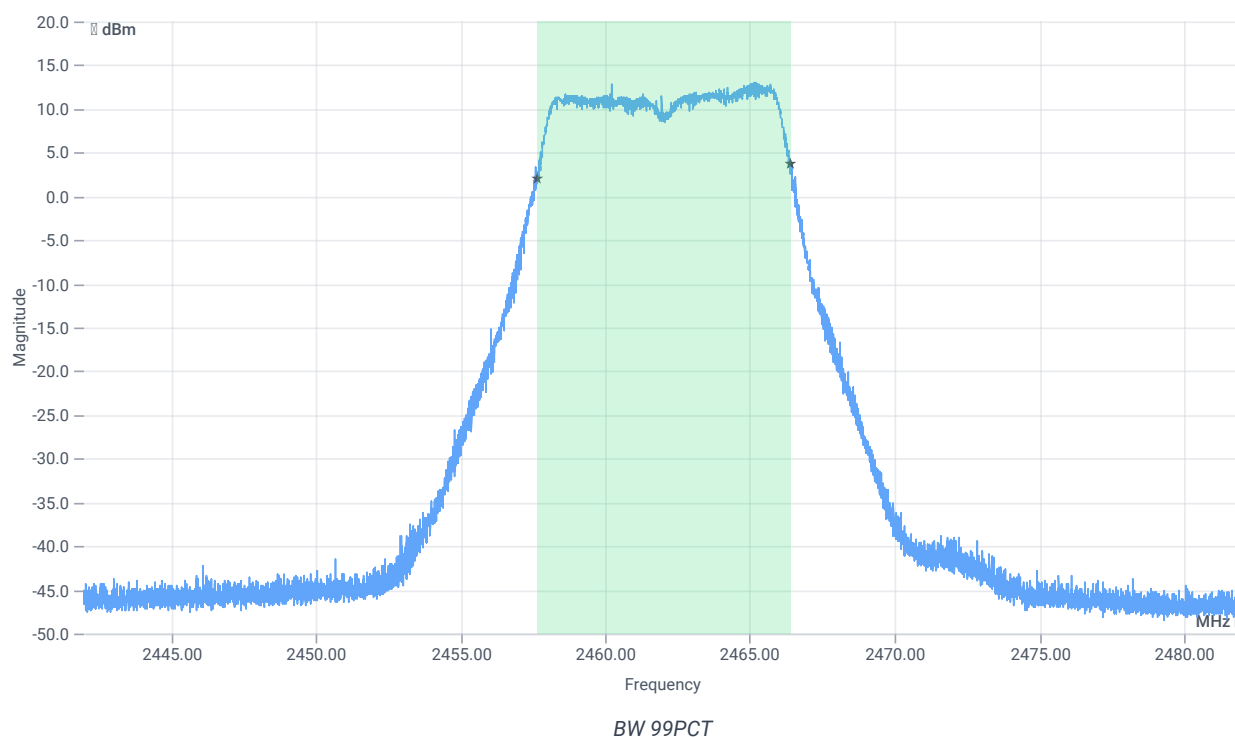
Test at TX 2462 MHz

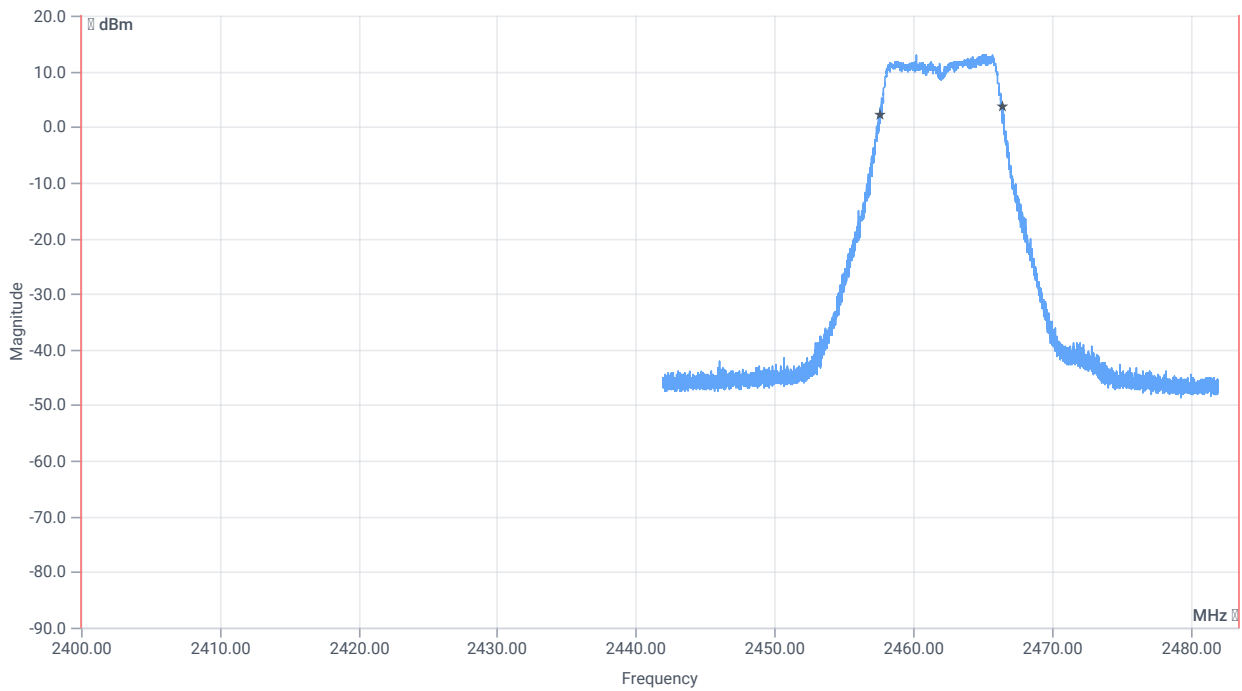
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.06	dBm	INFO
Ref. frequency	---	---	2460.500	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.06 11.42 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

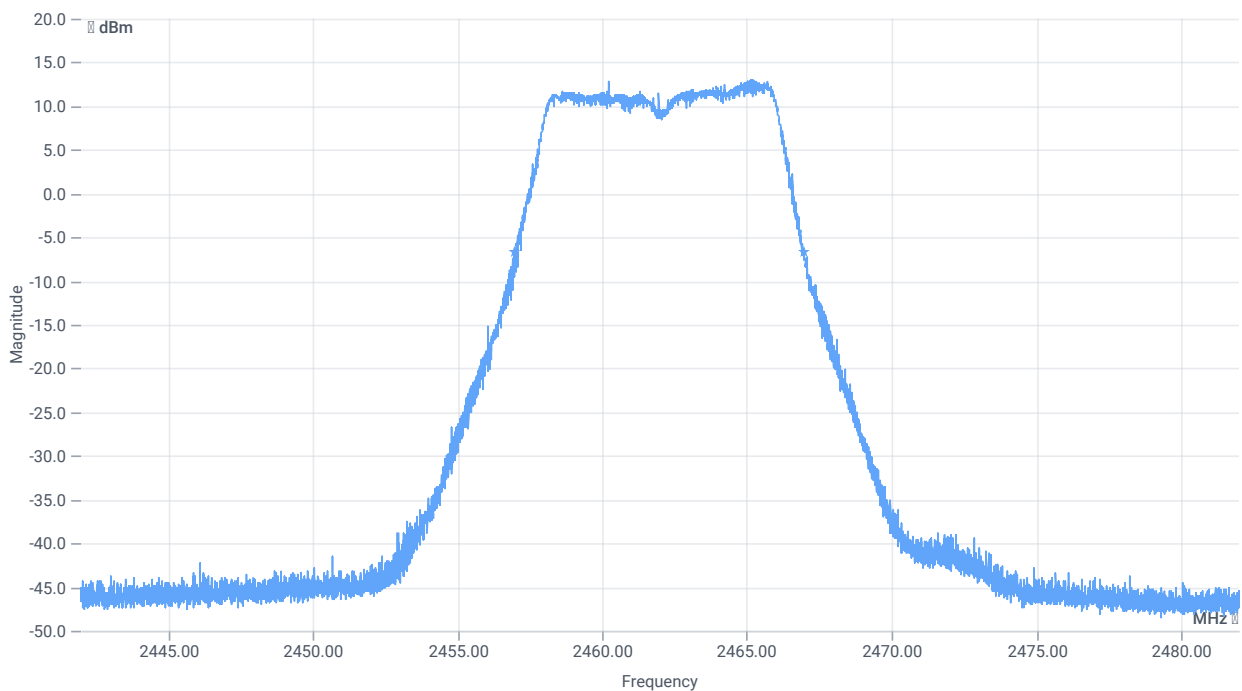




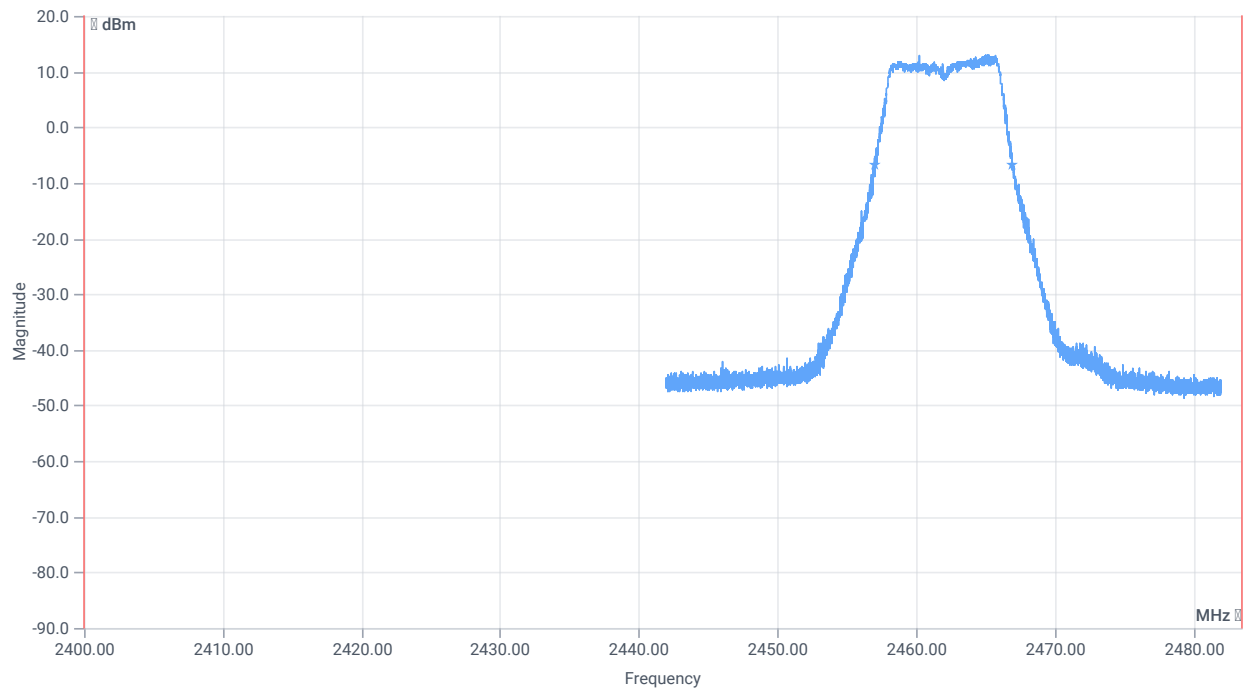
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	8727.000	kHz	INFO
T1 99%	2400.000000	---	2457.6684	MHz	PASS
T2 99%	---	2483.500000	2466.3956	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	10008	kHz	INFO
T1 20dB	2400.000000	---	2456.9680	MHz	PASS
T2 20dB	---	2483.500000	2466.9760	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:15:03
Ambit temp (test rack) [°C] humidity [rel%]	21.0 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

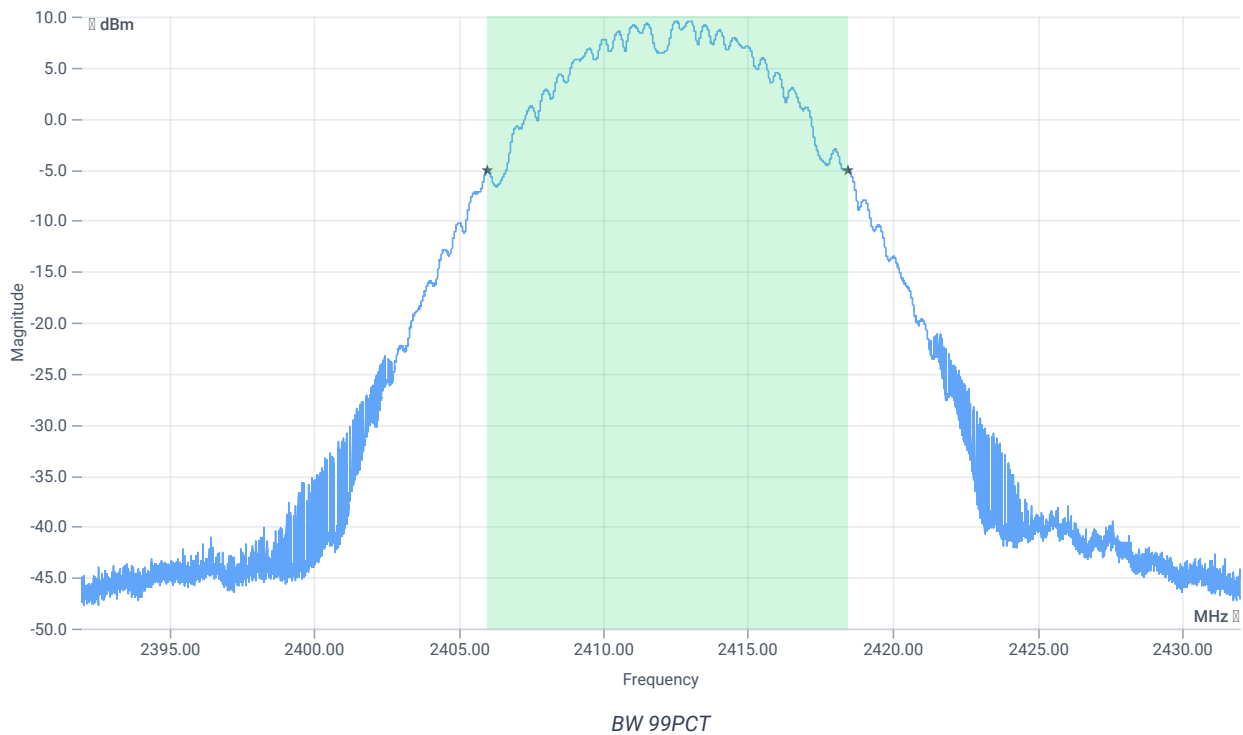
Test at TX 2412 MHz

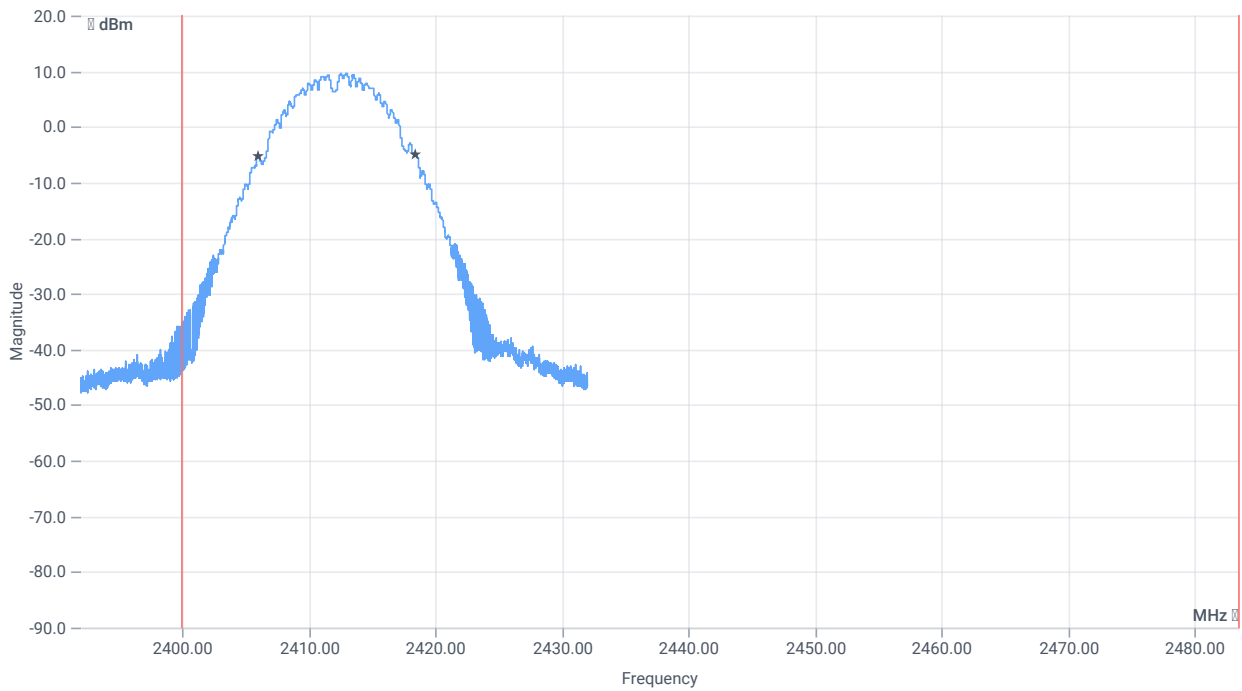
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.64	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.64 11.32 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

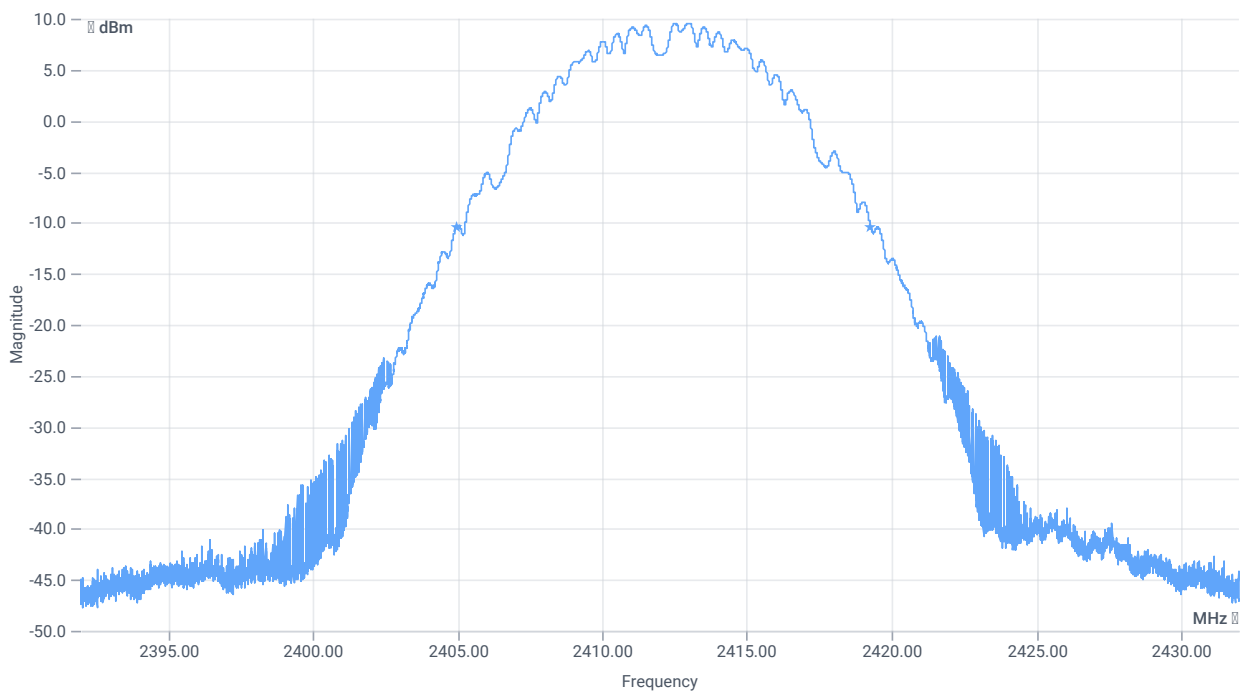




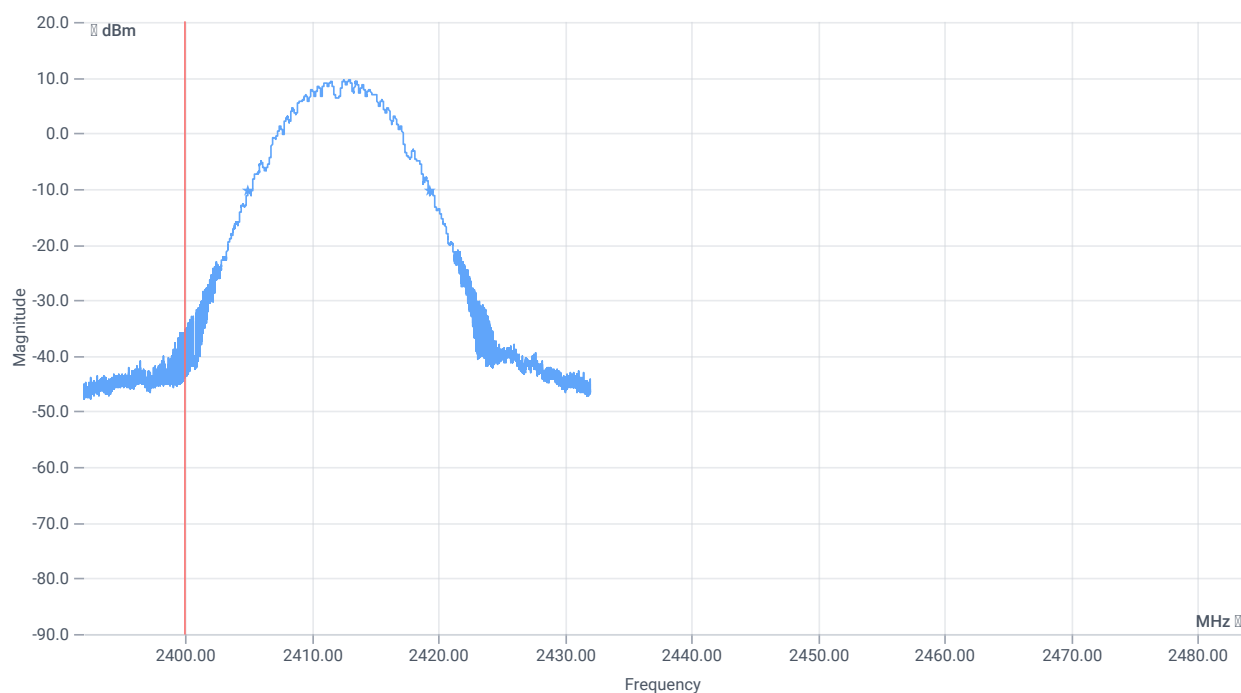
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12407.000	kHz	INFO
T1 99%	2400.000000	---	2406.0246	MHz	PASS
T2 99%	---	2483.500000	2418.4314	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14296	kHz	INFO
T1 20dB	2400.000000	---	2404.9640	MHz	PASS
T2 20dB	---	2483.500000	2419.2600	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:33:28
Ambit temp (test rack) [°C] humidity [rel%]	21.3 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

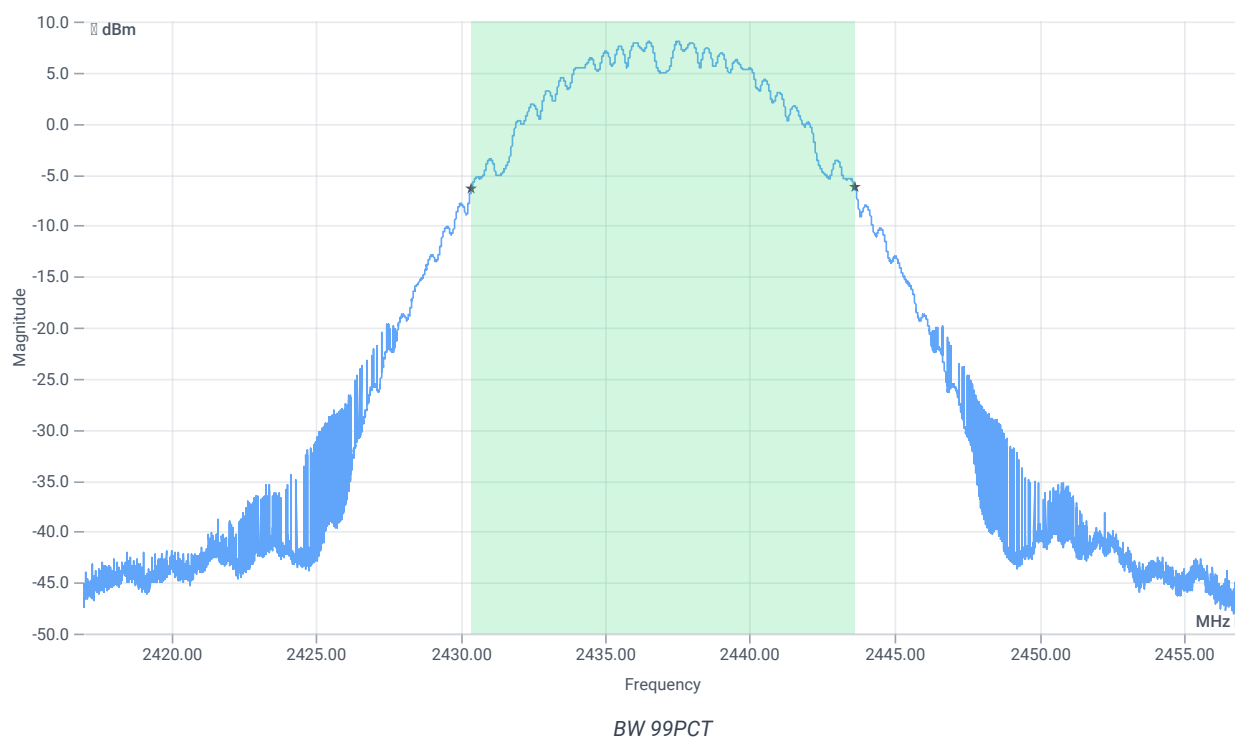
Test at TX 2437 MHz

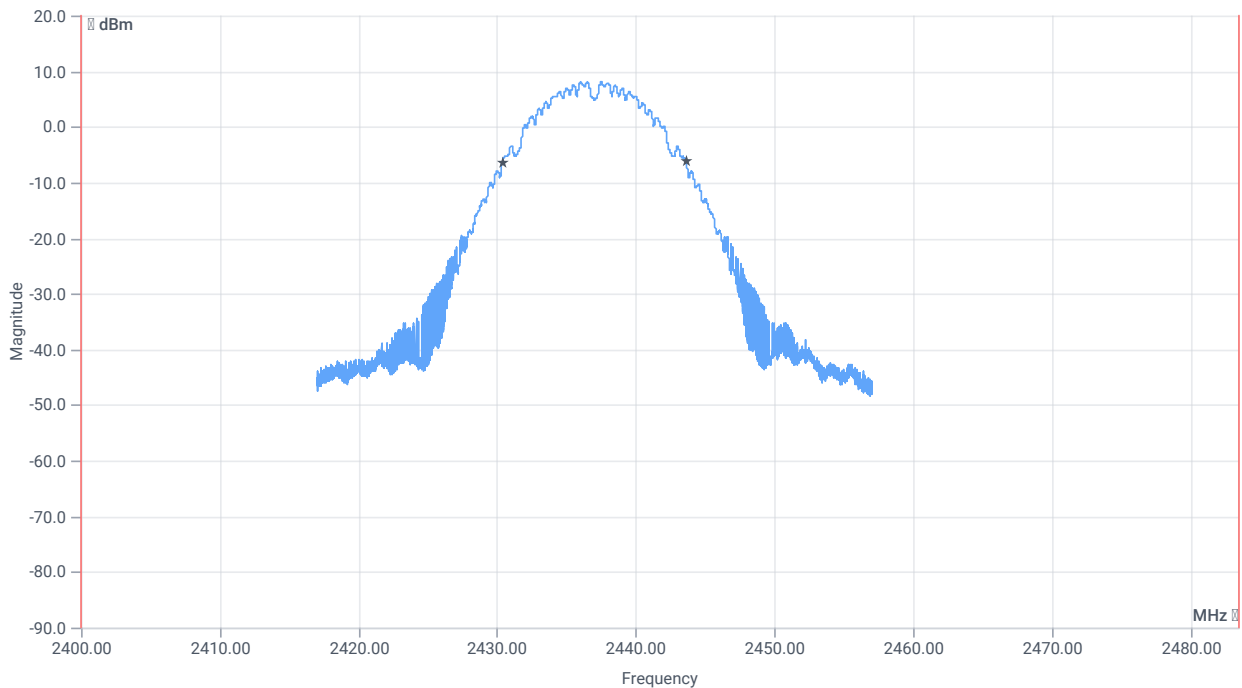
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.95	dBm	INFO
Ref. frequency	---	---	2438.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.95 11.75 20
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

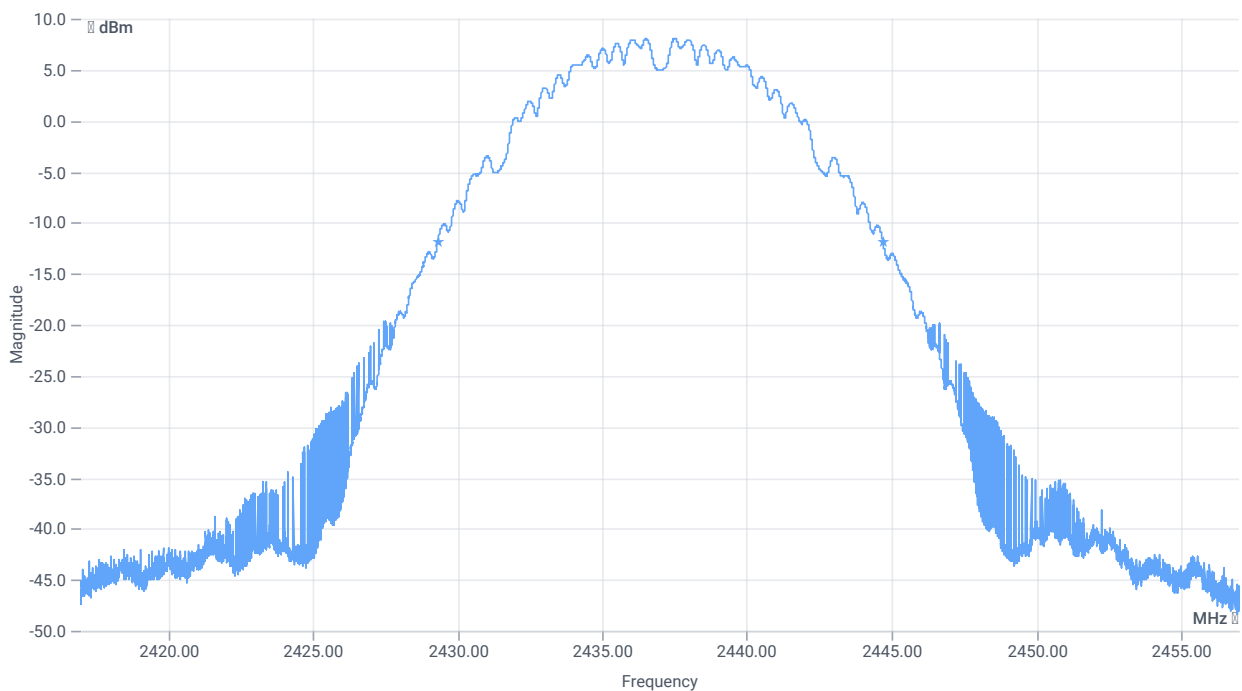




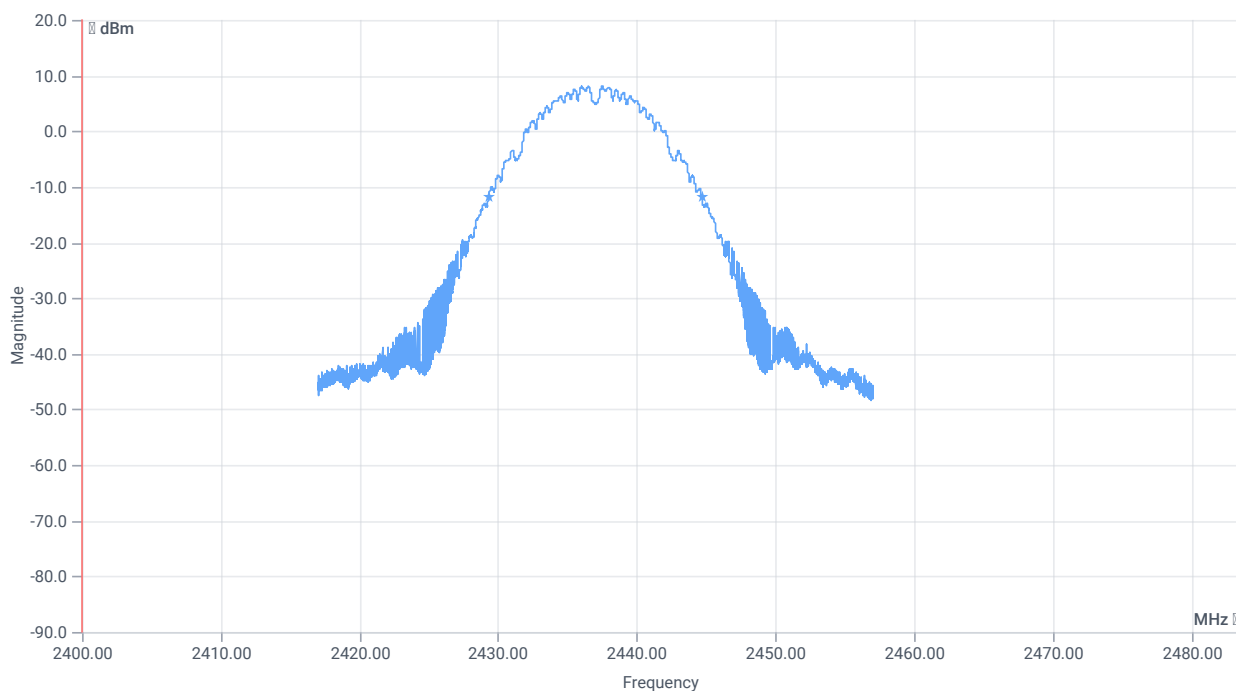
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	13243.000	kHz	INFO
T1 99%	2400.000000	---	2430.3807	MHz	PASS
T2 99%	---	2483.500000	2443.6233	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	15384	kHz	INFO
T1 20dB	2400.000000	---	2429.3200	MHz	PASS
T2 20dB	---	2483.500000	2444.7040	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:57:12
Ambit temp (test rack) [°C] humidity [rel%]	21.5 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

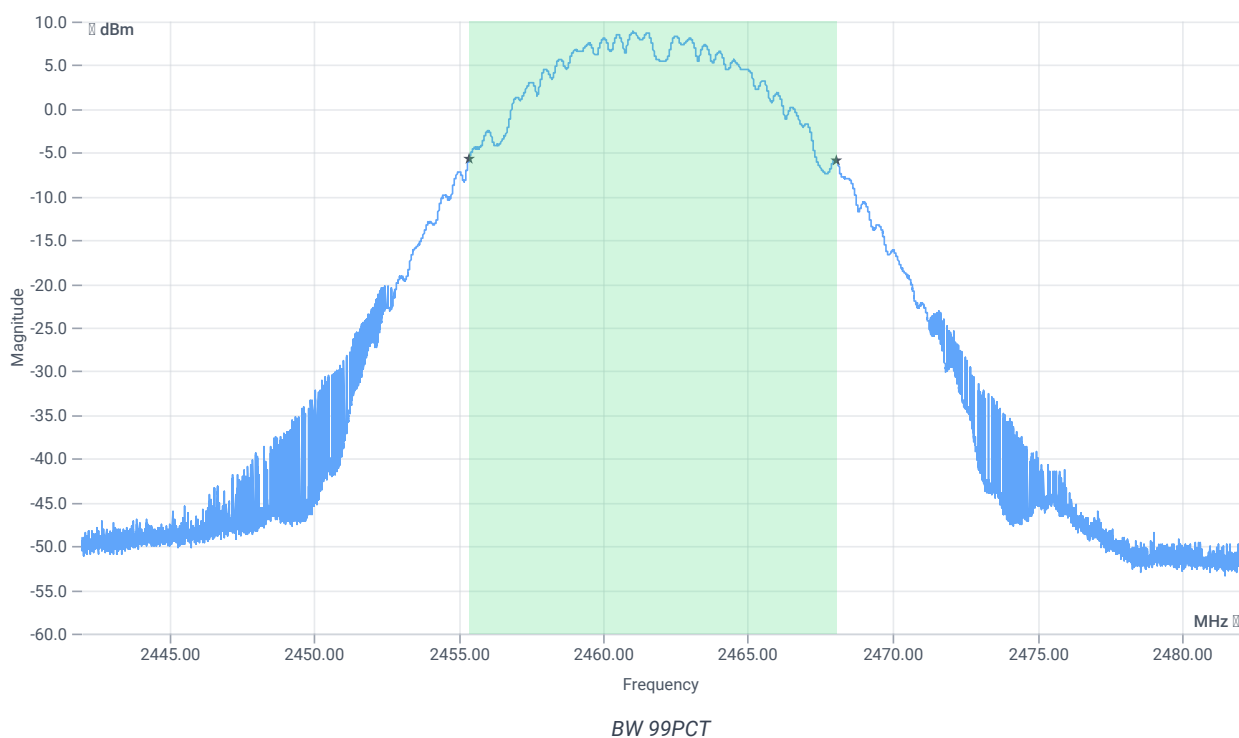
Test at TX 2462 MHz

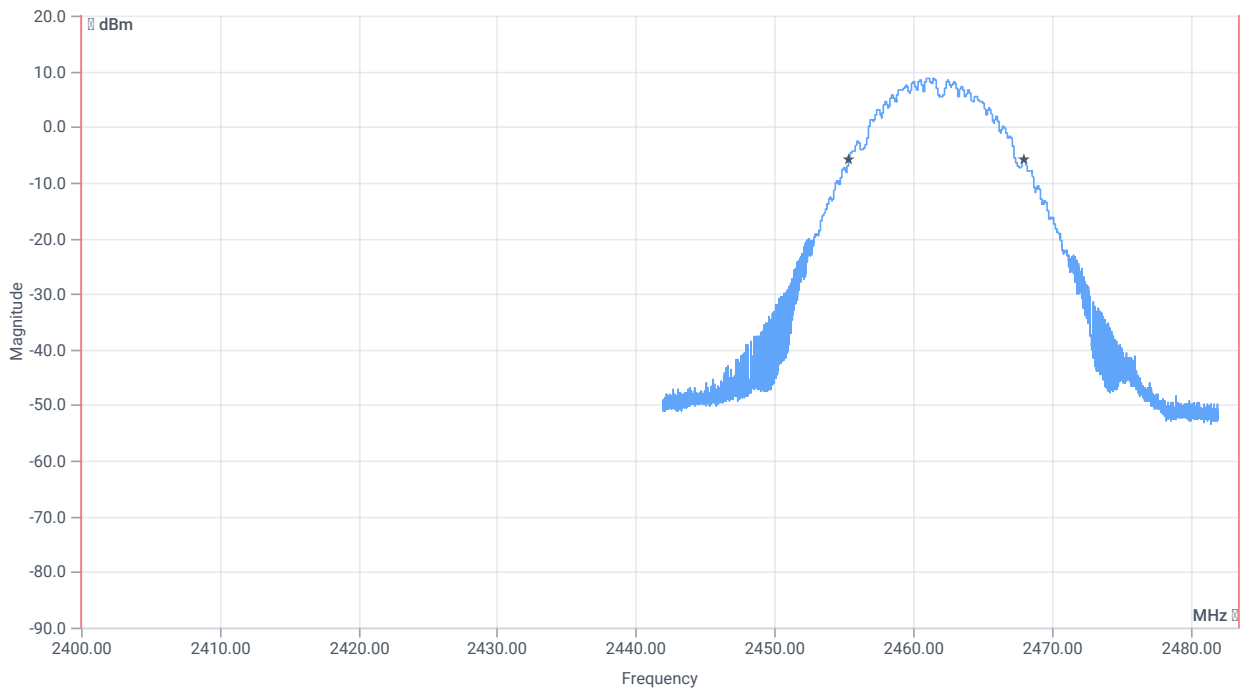
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.91	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.91 12.02 20
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

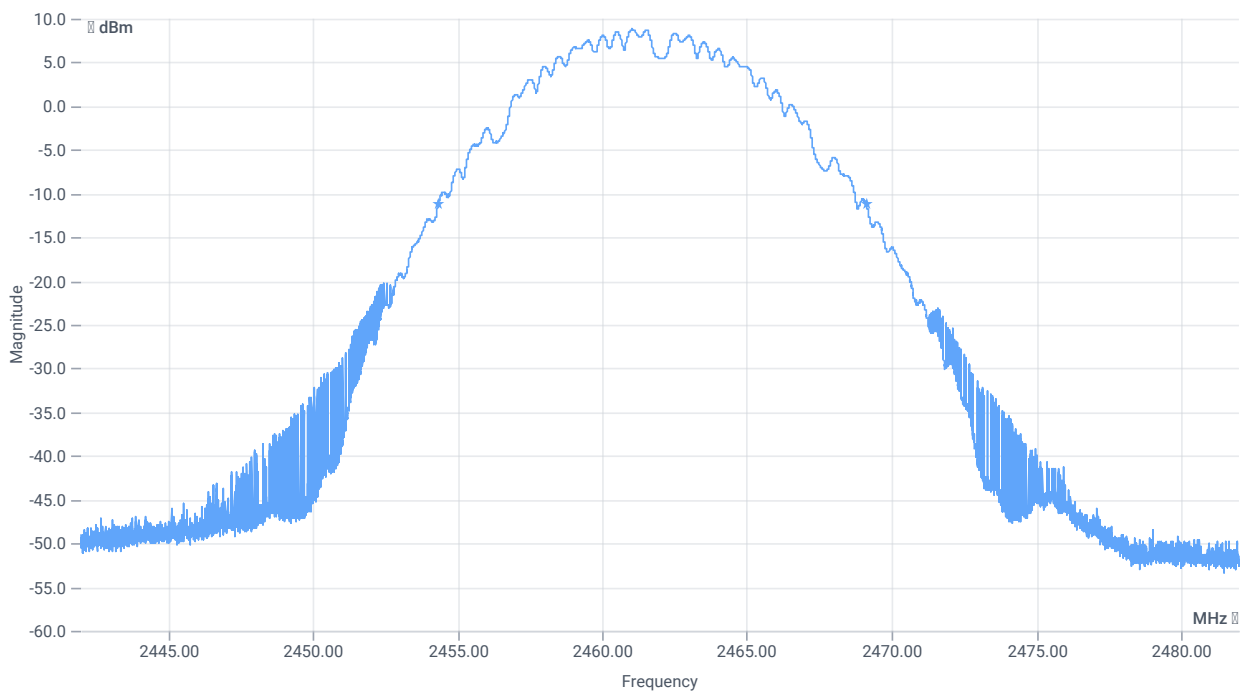




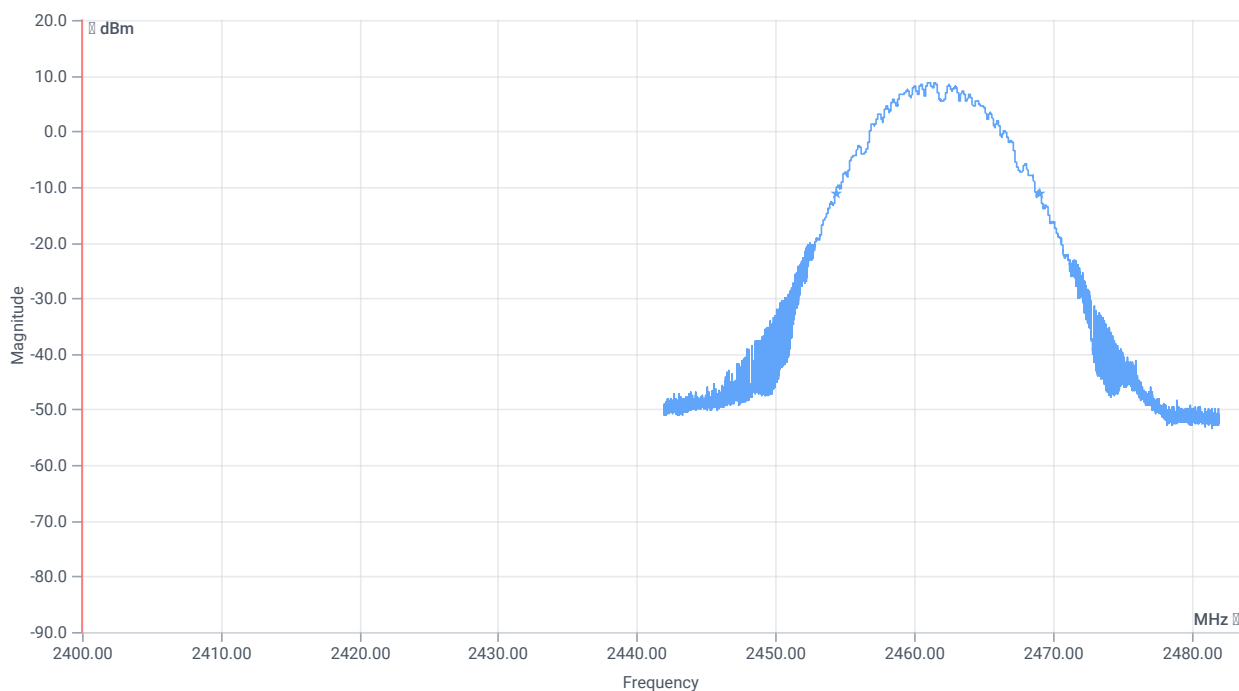
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12683.000	kHz	INFO
T1 99%	2400.000000	---	2455.3687	MHz	PASS
T2 99%	---	2483.500000	2468.0514	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14776	kHz	INFO
T1 20dB	2400.000000	---	2454.3440	MHz	PASS
T2 20dB	---	2483.500000	2469.1200	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:15:03
Ambit temp (test rack) [°C] humidity [rel%]	21.0 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

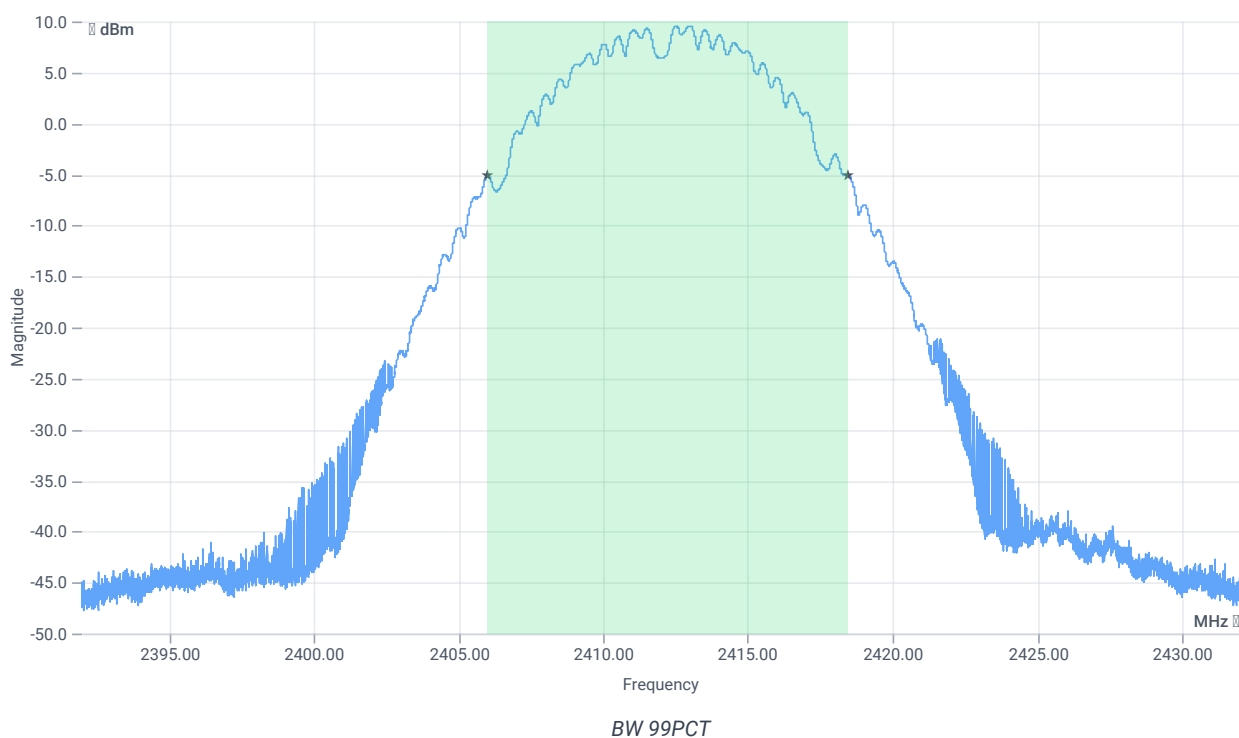
Test at TX 2412 MHz

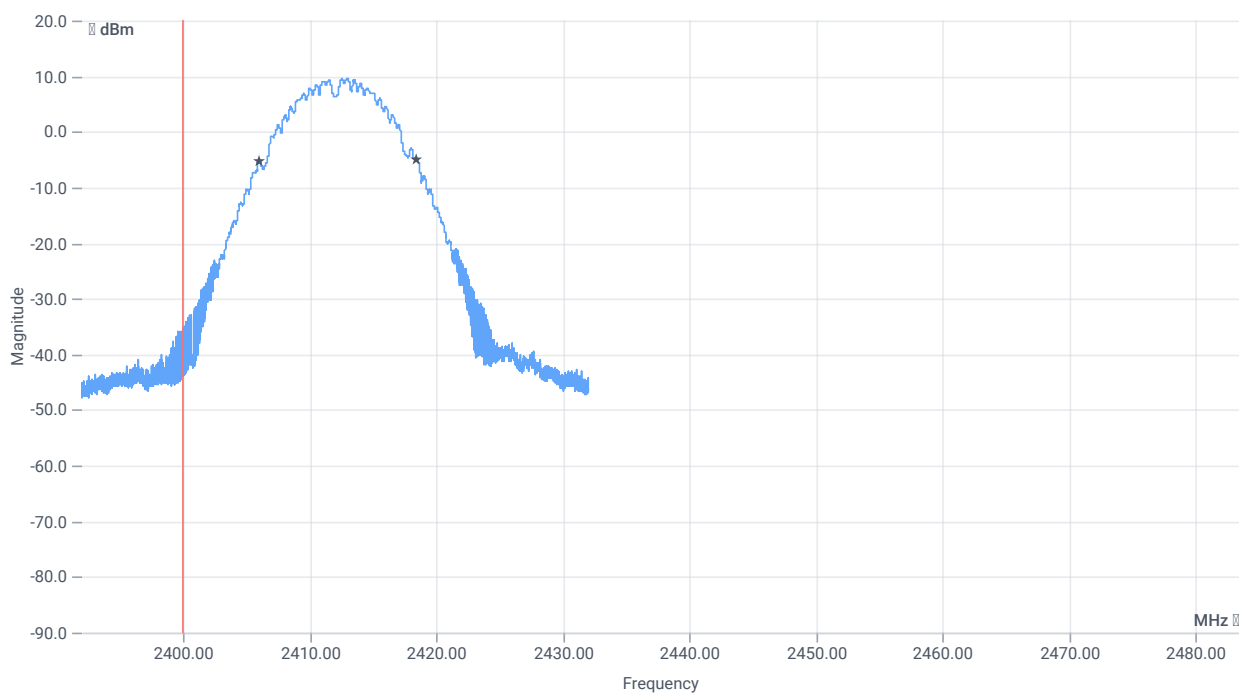
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.64	dBm	INFO
Ref. frequency	---	---	2413.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.64 11.32 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

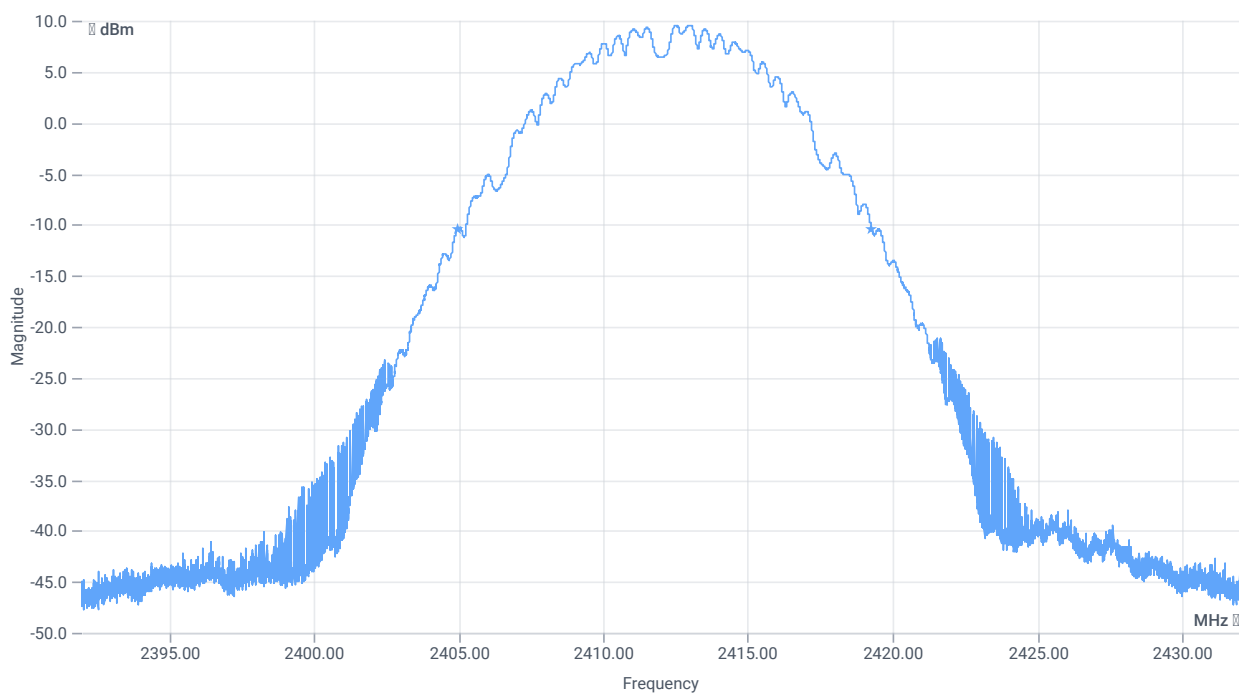




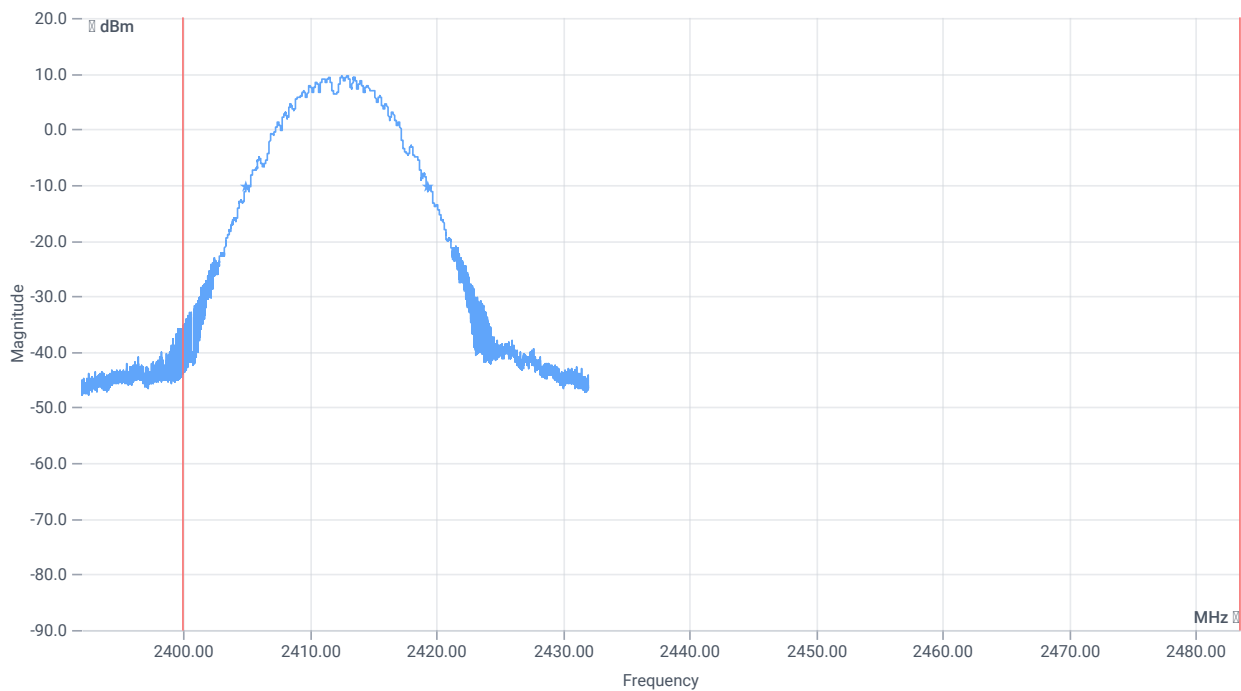
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12407.000	kHz	INFO
T1 99%	2400.000000	---	2406.0246	MHz	PASS
T2 99%	---	2483.500000	2418.4314	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14296	kHz	INFO
T1 20dB	2400.000000	---	2404.9640	MHz	PASS
T2 20dB	---	2483.500000	2419.2600	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:33:28
Ambit temp (test rack) [°C] humidity [rel%]	21.3 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

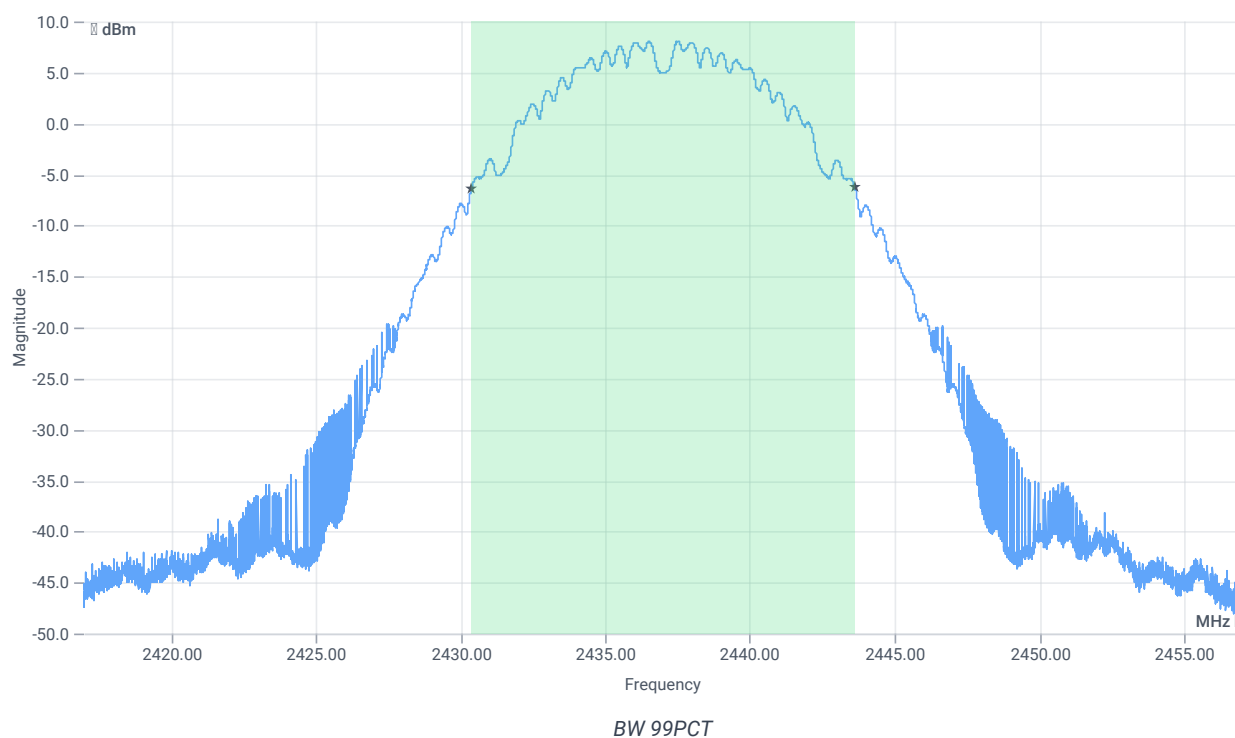
Test at TX 2437 MHz

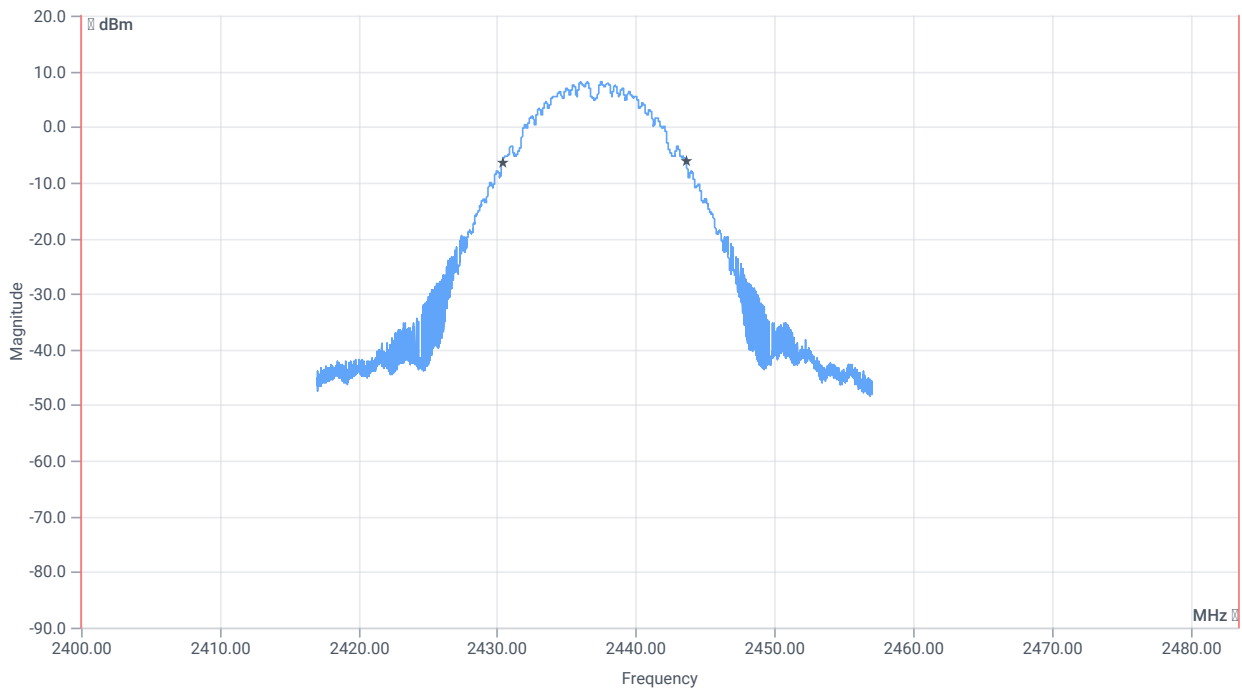
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.95	dBm	INFO
Ref. frequency	---	---	2438.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.95 11.75 20
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

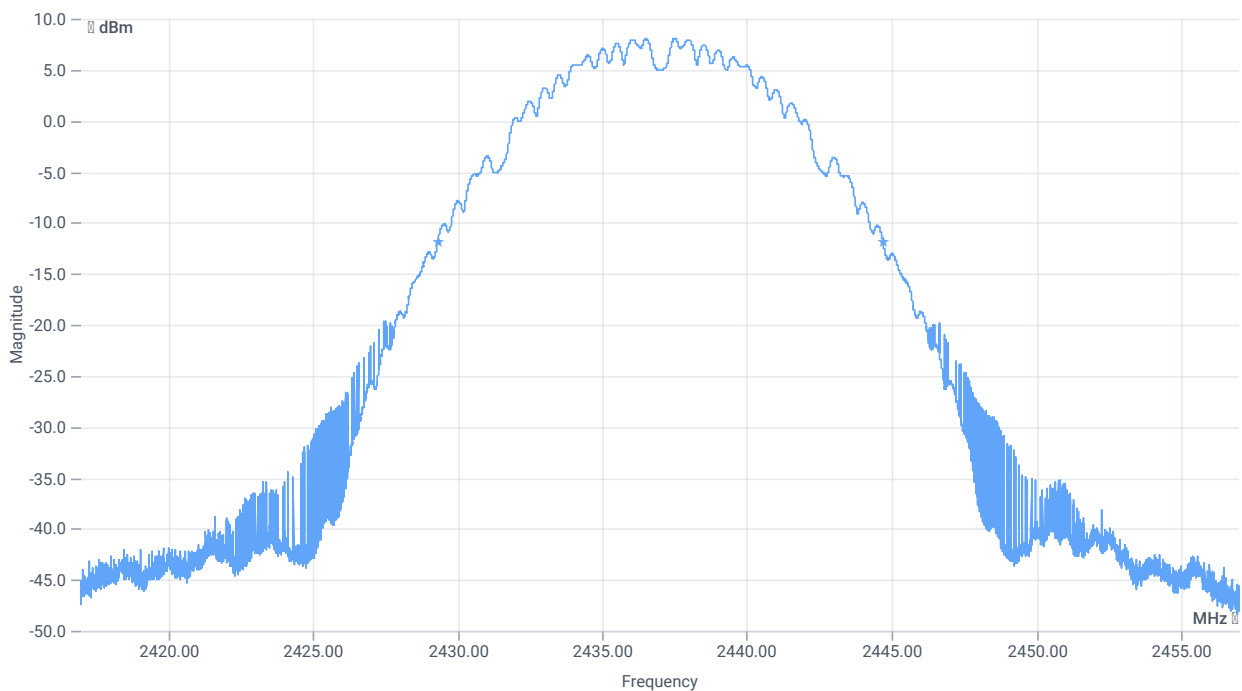




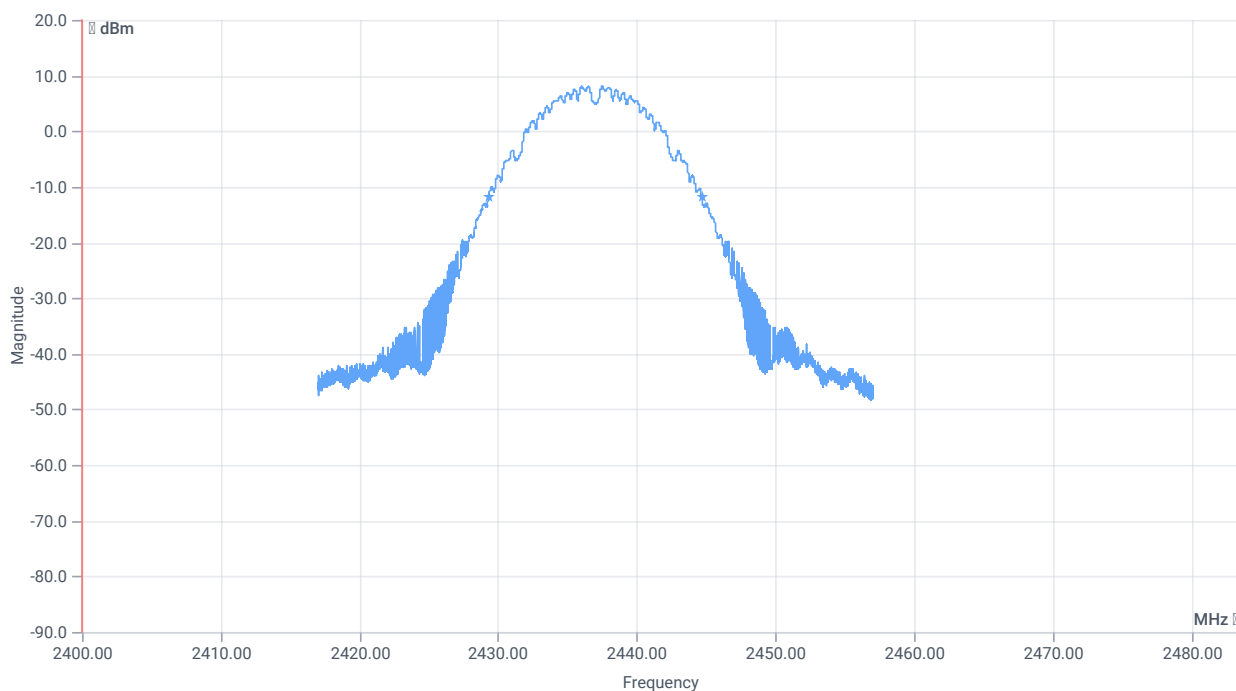
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	13243.000	kHz	INFO
T1 99%	2400.000000	---	2430.3807	MHz	PASS
T2 99%	---	2483.500000	2443.6233	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	15384	kHz	INFO
T1 20dB	2400.000000	---	2429.3200	MHz	PASS
T2 20dB	---	2483.500000	2444.7040	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 08:57:12
Ambit temp (test rack) [°C] humidity [rel%]	21.5 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

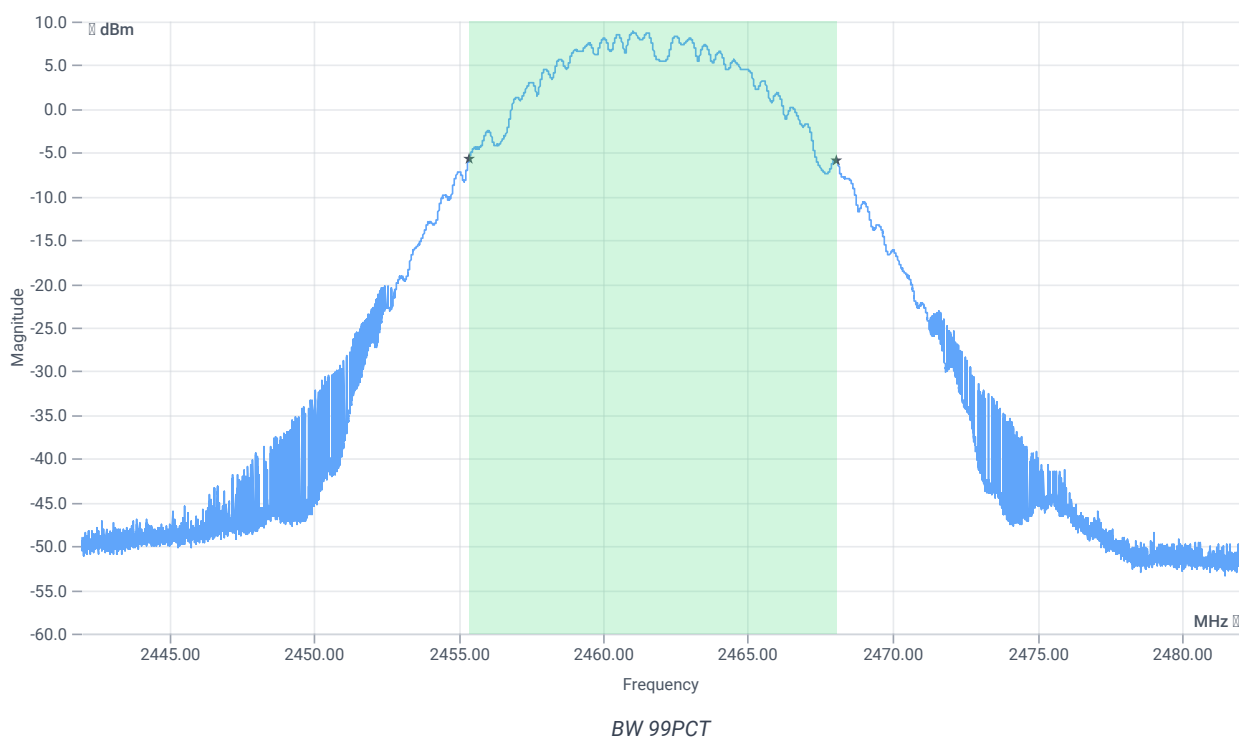
Test at TX 2462 MHz

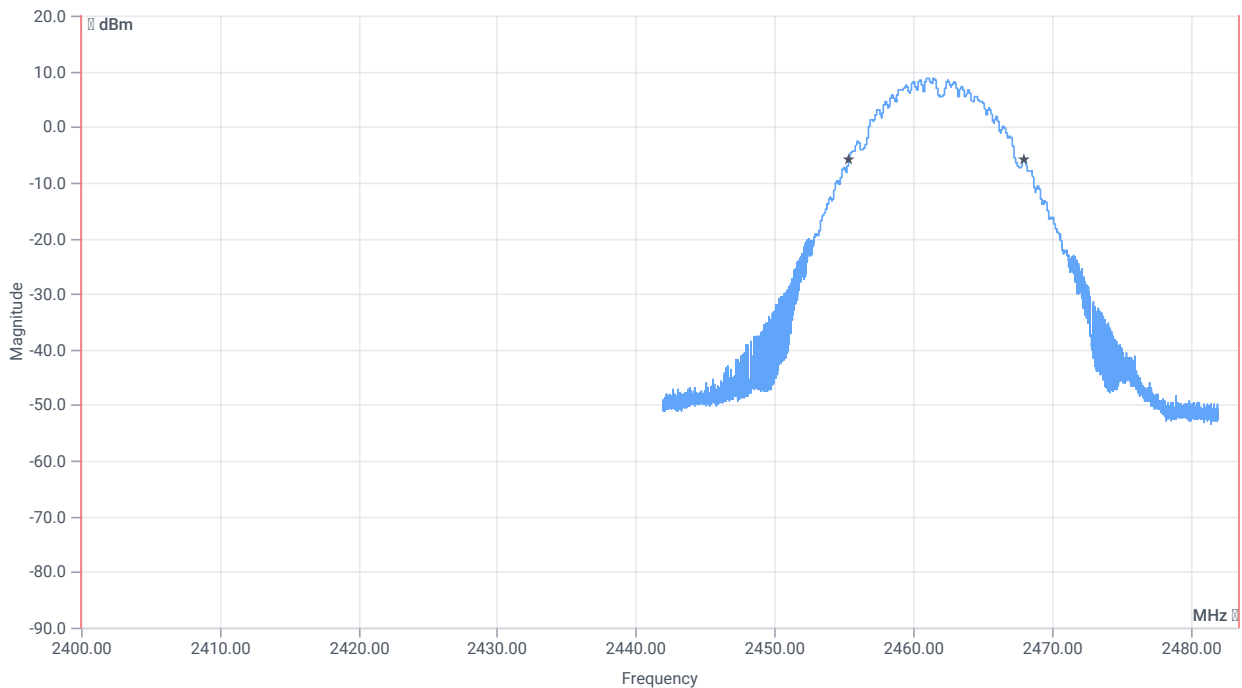
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.91	dBm	INFO
Ref. frequency	---	---	2460.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.91 12.02 20
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

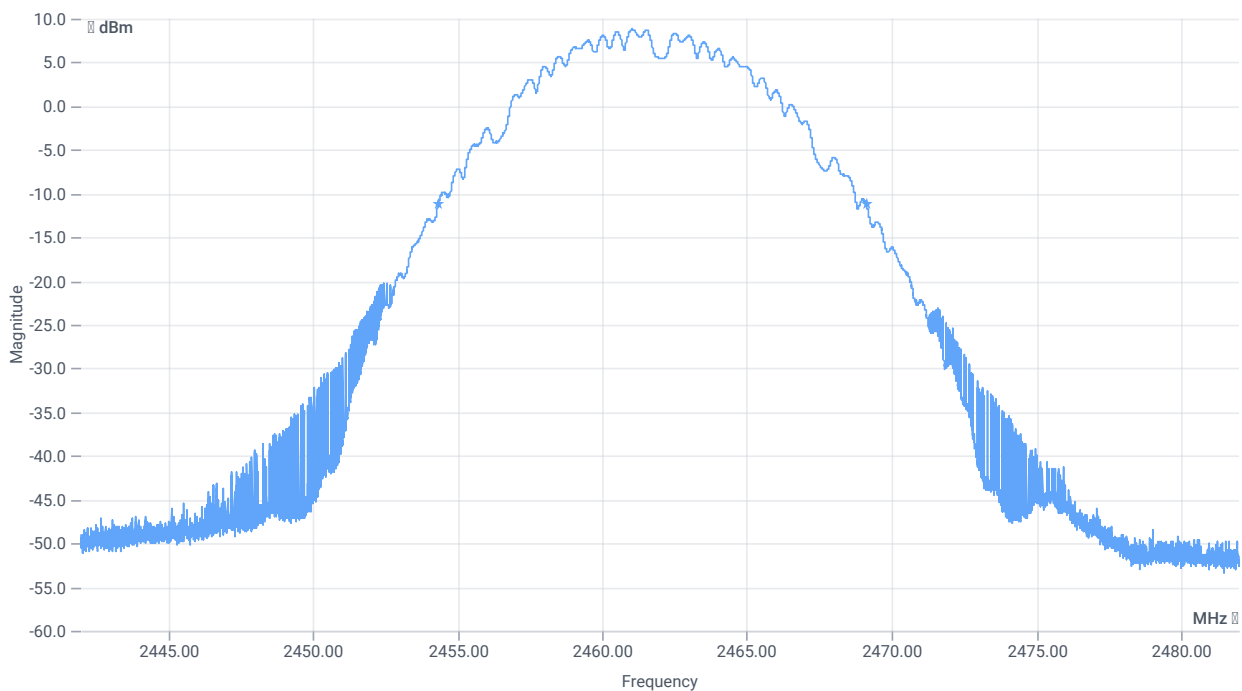




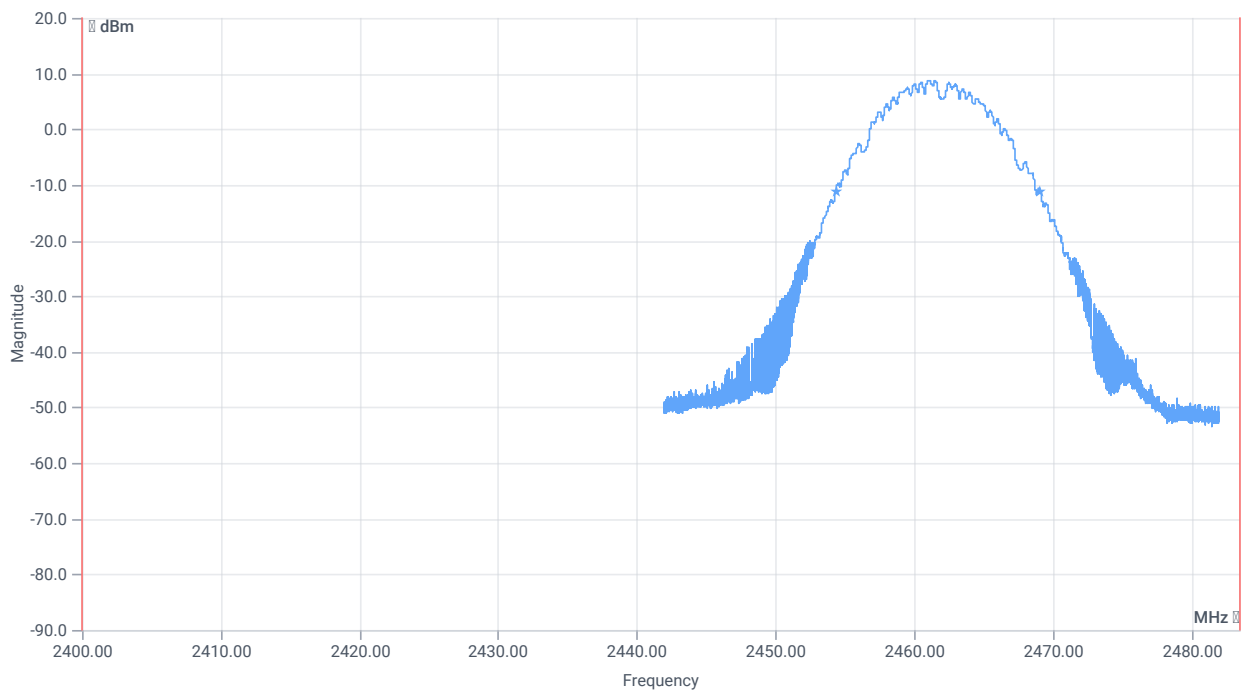
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12683.000	kHz	INFO
T1 99%	2400.000000	---	2455.3687	MHz	PASS
T2 99%	---	2483.500000	2468.0514	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14776	kHz	INFO
T1 20dB	2400.000000	---	2454.3440	MHz	PASS
T2 20dB	---	2483.500000	2469.1200	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 10:46:05
Ambit temp (test rack) [°C] humidity [rel%]	21.9 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

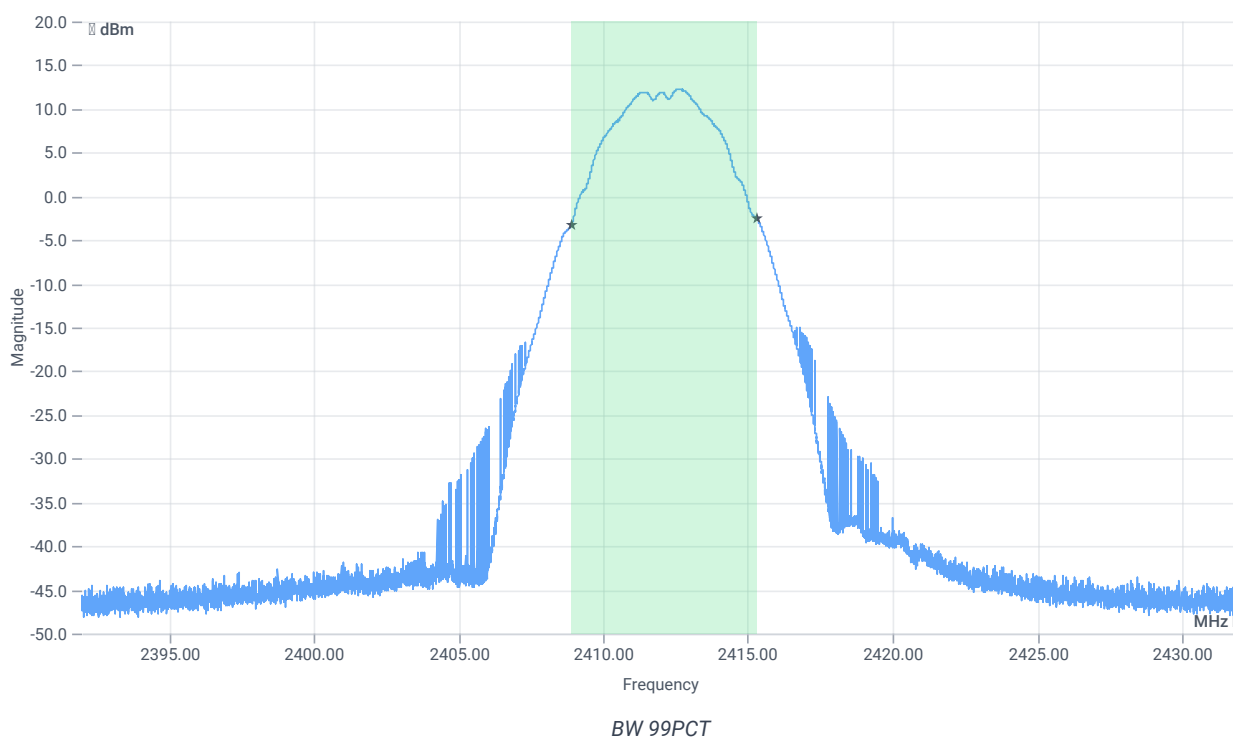
Test at TX 2412 MHz

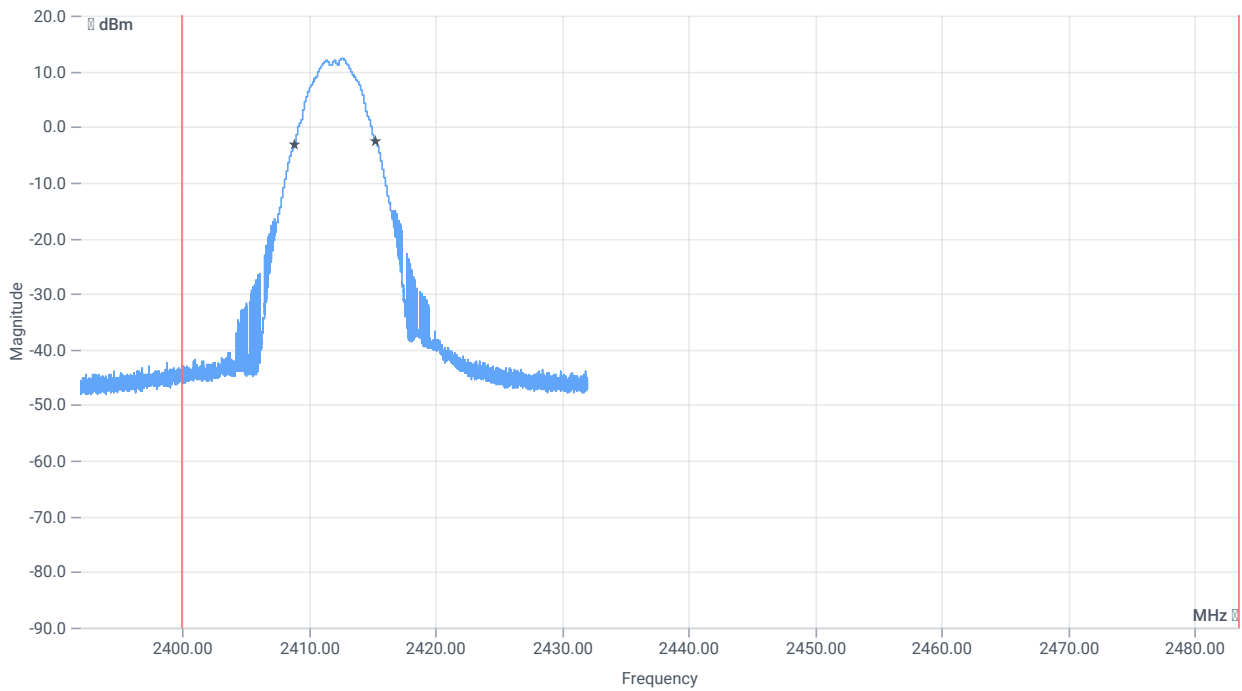
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.03	dBm	INFO
Ref. frequency	---	---	2412.100	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	21.03 11.32 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

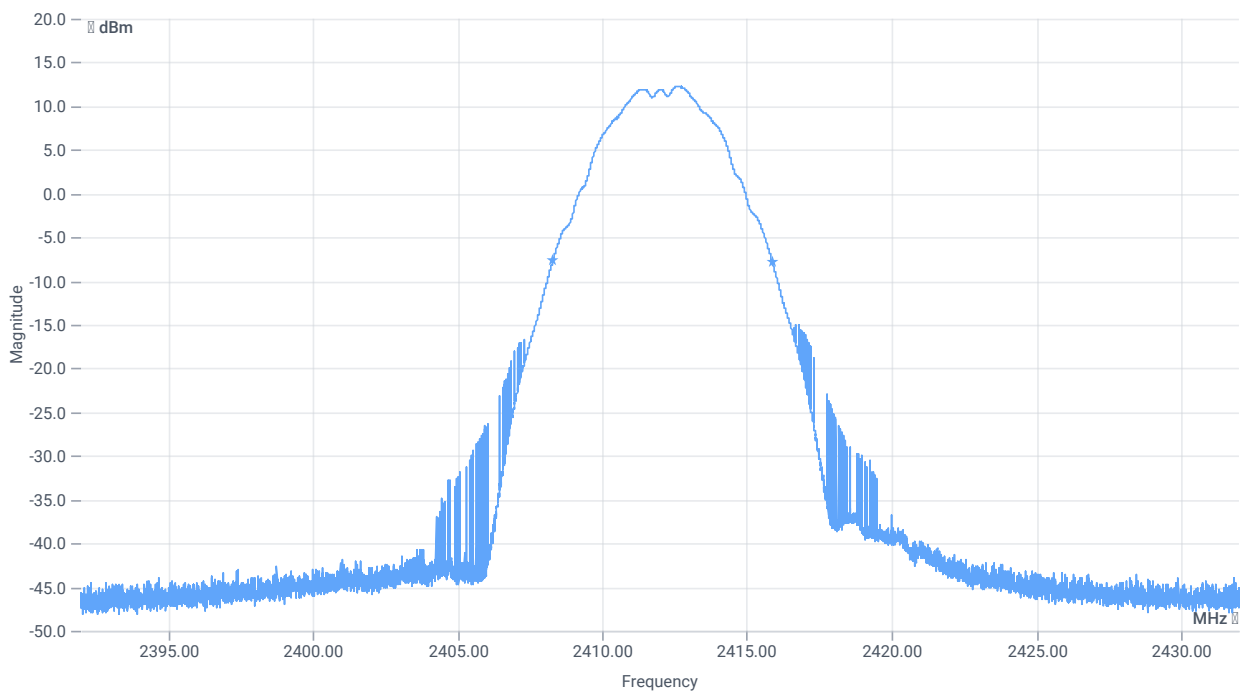




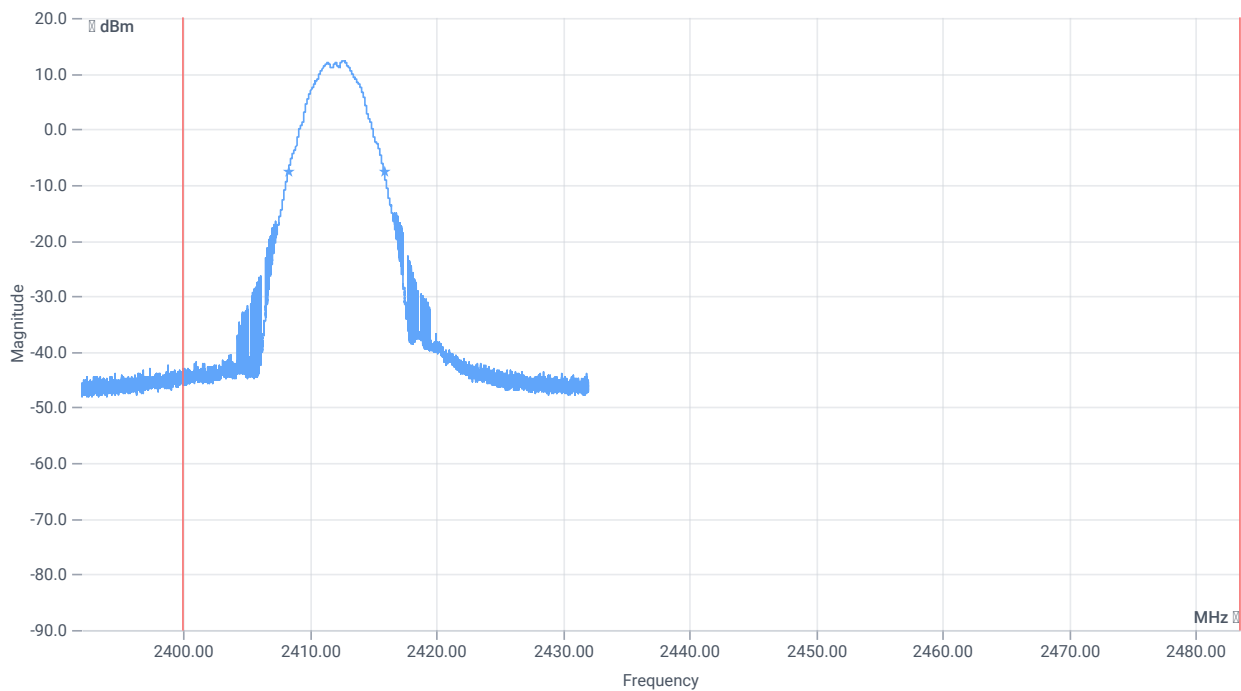
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6411.000	kHz	INFO
T1 99%	2400.000000	---	2408.8963	MHz	PASS
T2 99%	---	2483.500000	2415.3077	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7572	kHz	INFO
T1 20dB	2400.000000	---	2408.2920	MHz	PASS
T2 20dB	---	2483.500000	2415.8640	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 11:04:17
Ambit temp (test rack) [°C] humidity [rel%]	22.1 40
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

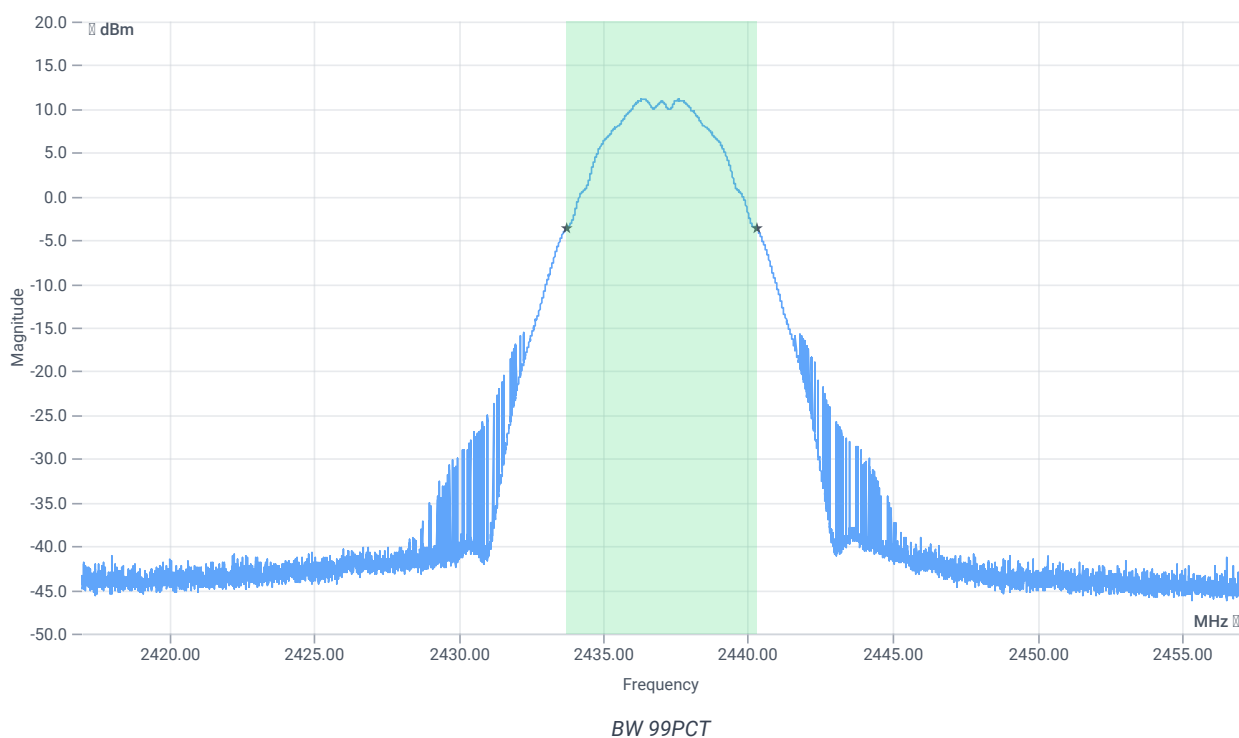
Test at TX 2437 MHz

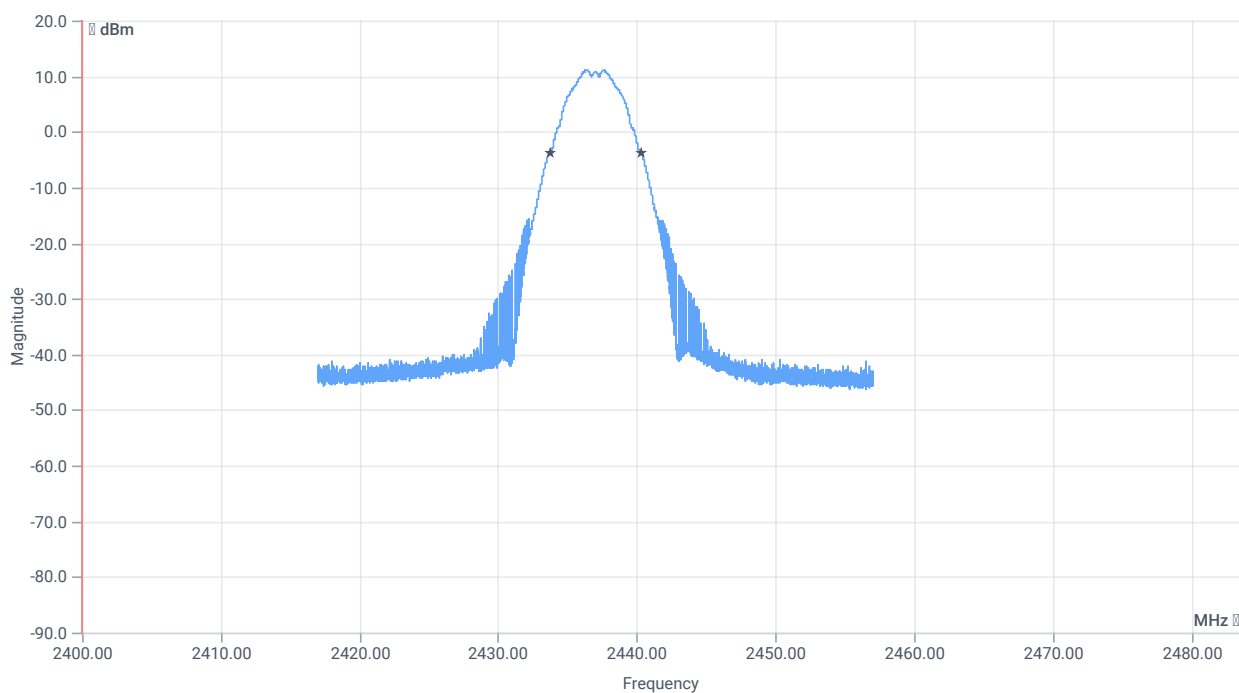
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.77	dBm	INFO
Ref. frequency	---	---	2437.000	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	19.77 11.75 25
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

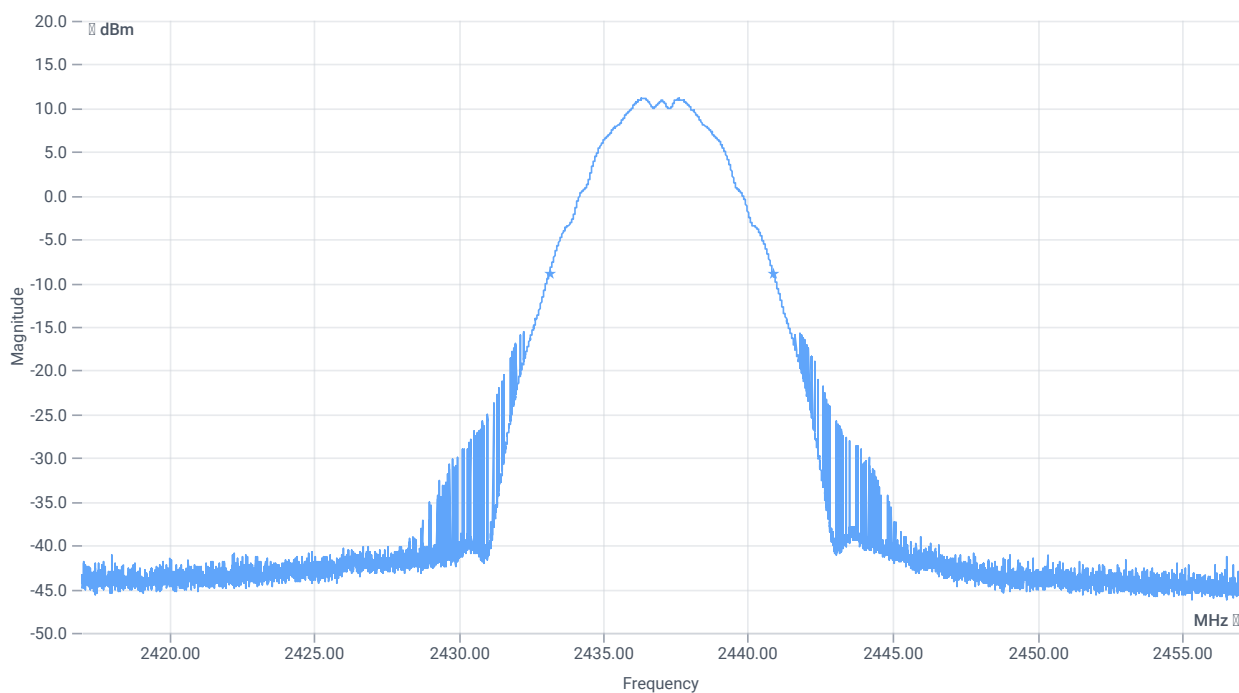




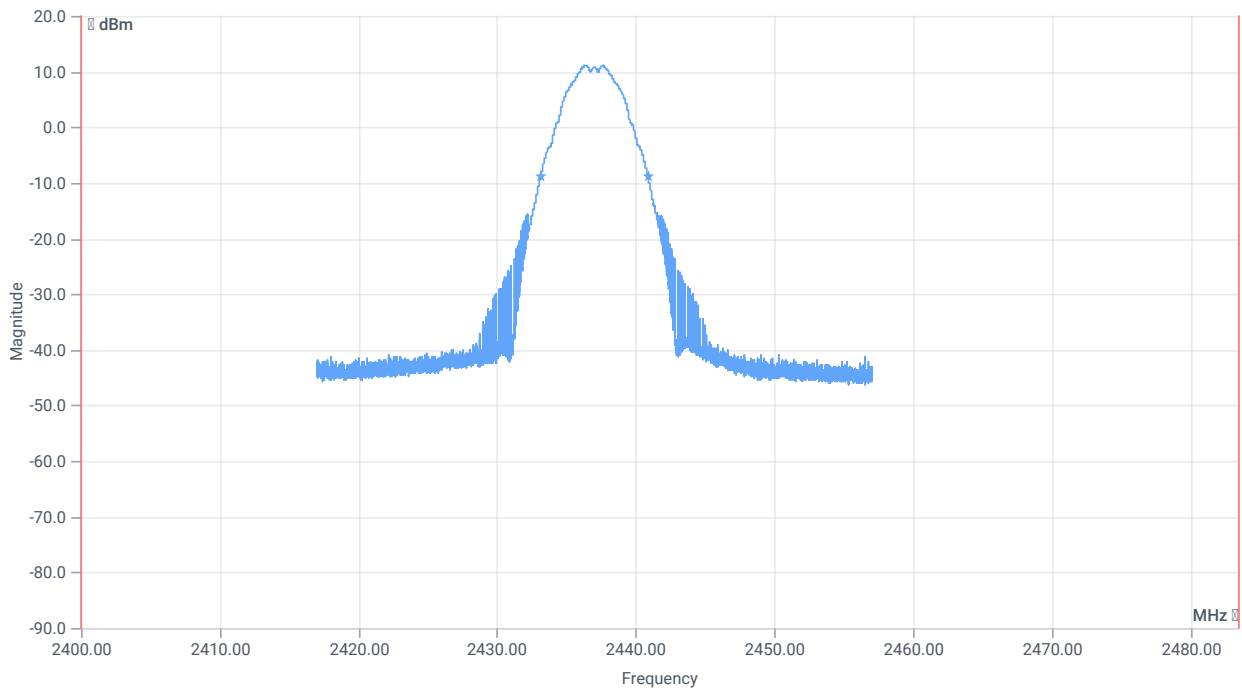
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6583.000	kHz	INFO
T1 99%	2400.000000	---	2433.7163	MHz	PASS
T2 99%	---	2483.500000	2440.2997	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7728	kHz	INFO
T1 20dB	2400.000000	---	2433.1440	MHz	PASS
T2 20dB	---	2483.500000	2440.8720	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 11:24:24
Ambit temp (test rack) [°C] humidity [rel%]	22.2 39
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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

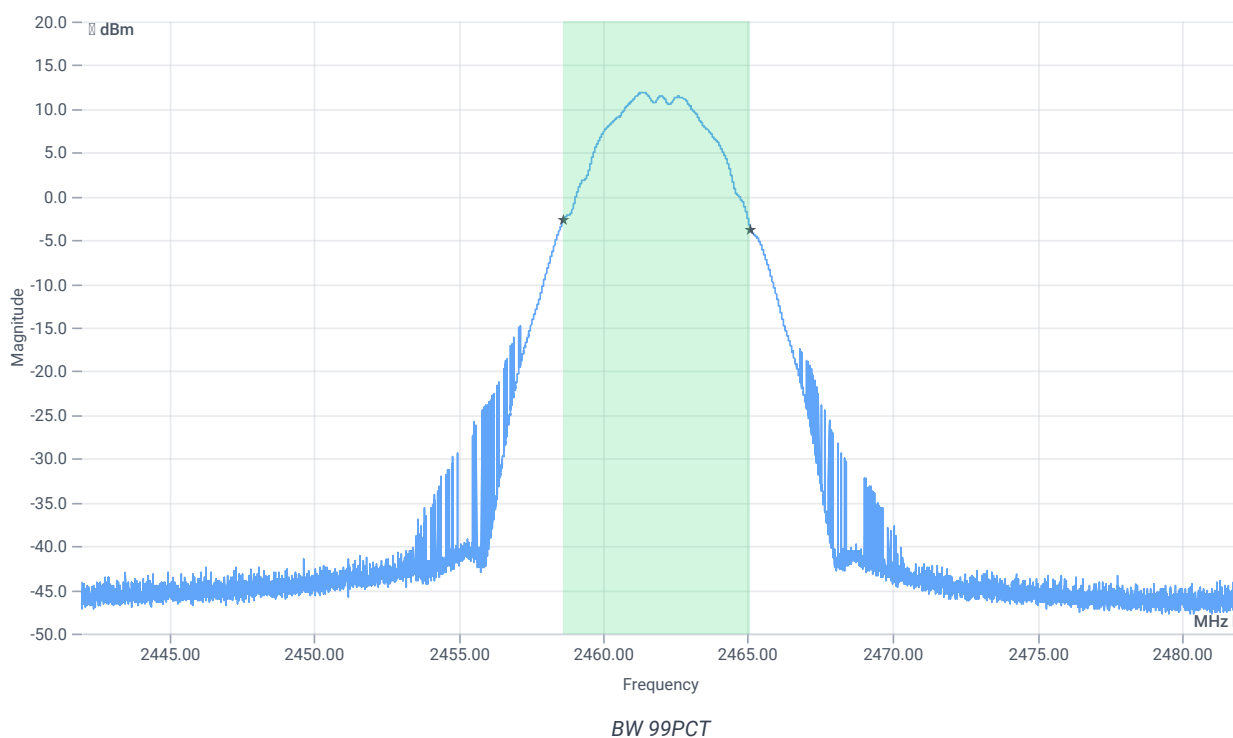
Test at TX 2462 MHz

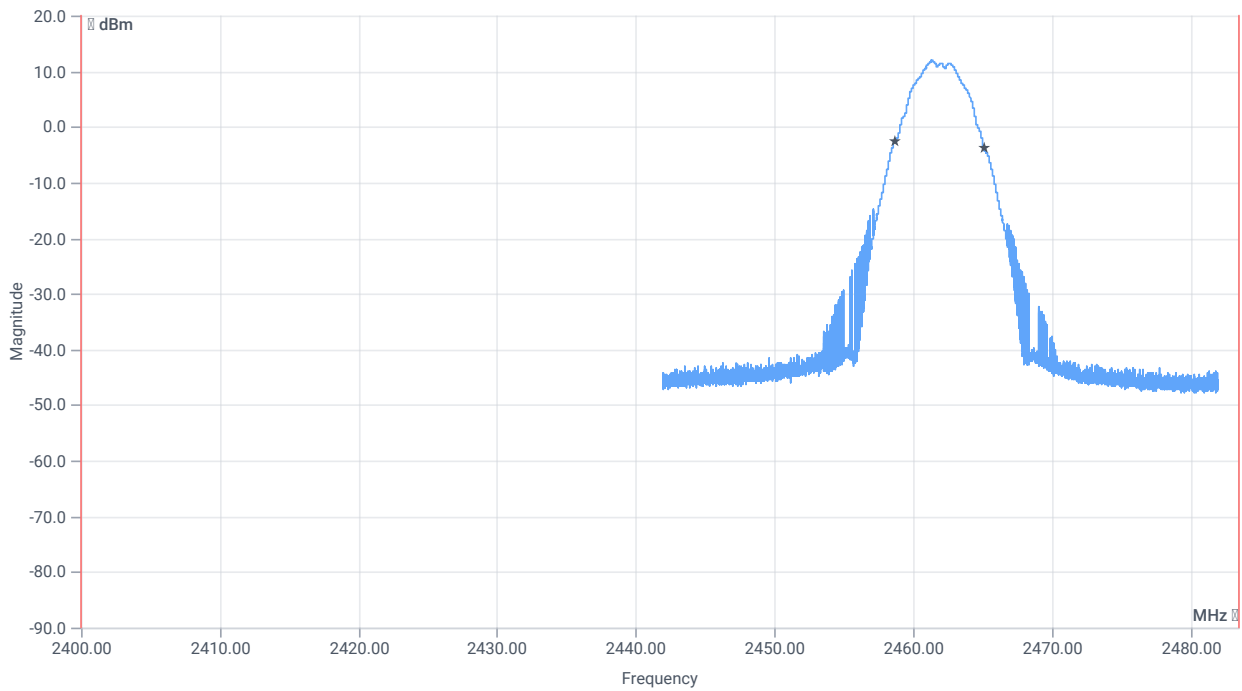
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.36	dBm	INFO
Ref. frequency	---	---	2461.600	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	20.36 12.02 25
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

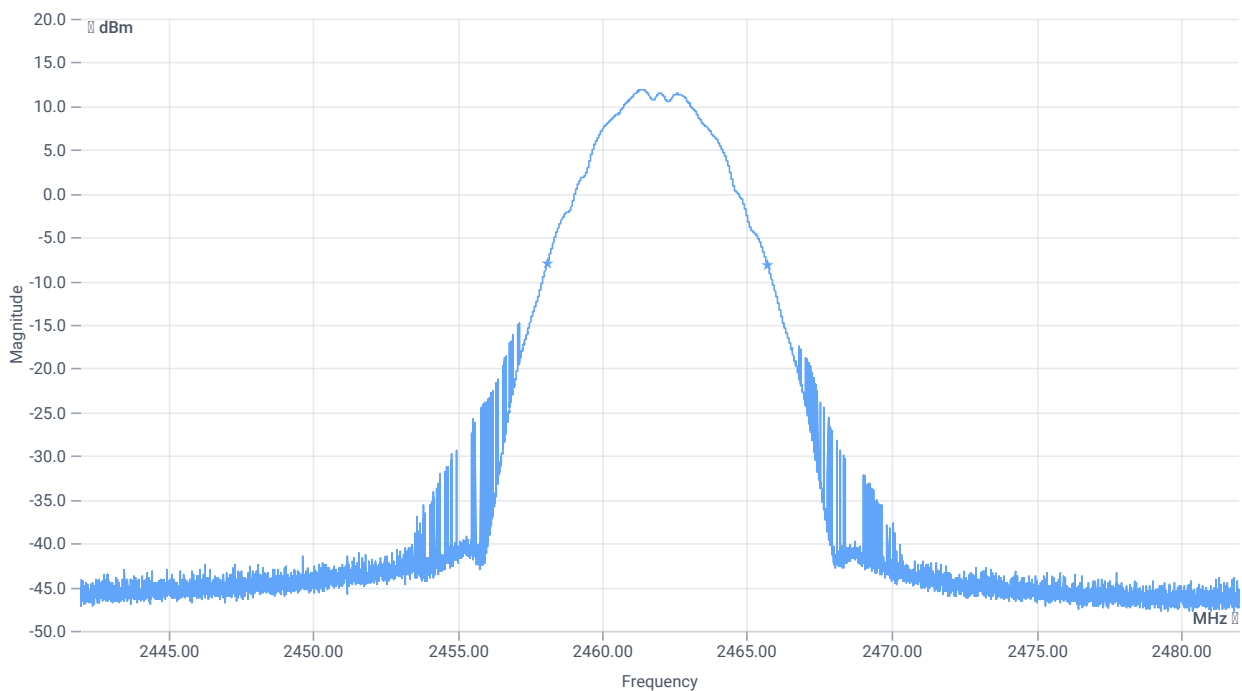




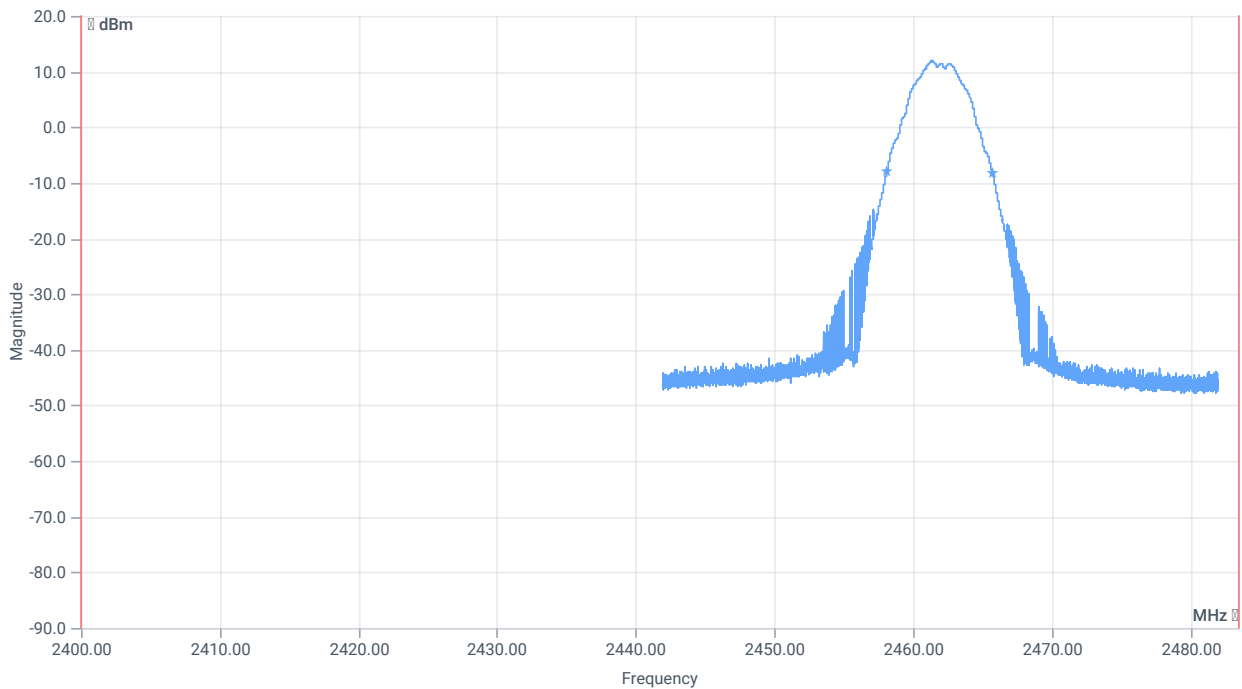
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	6463.000	kHz	INFO
T1 99%	2400.000000	---	2458.6403	MHz	PASS
T2 99%	---	2483.500000	2465.1037	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	7616	kHz	INFO
T1 20dB	2400.000000	---	2458.1000	MHz	PASS
T2 20dB	---	2483.500000	2465.7160	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 09:38:46
Ambit temp (test rack) [°C] humidity [rel%]	20.8 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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	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

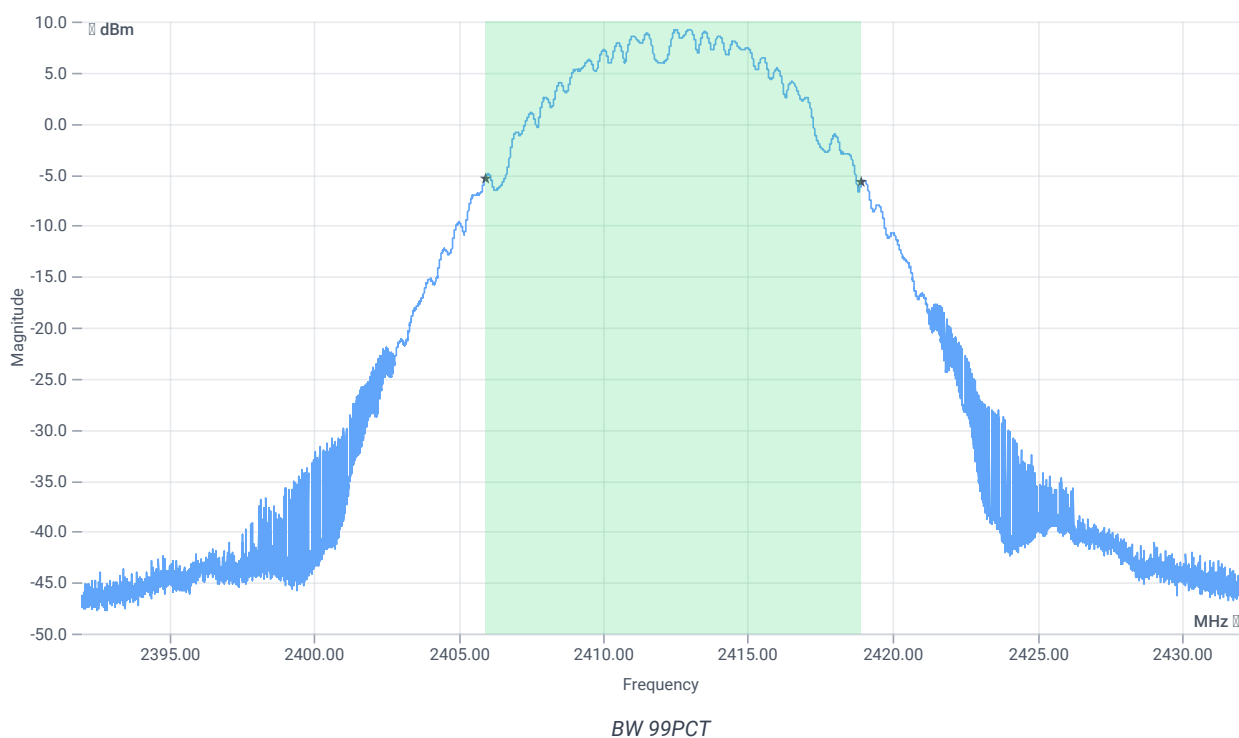
Test at TX 2412 MHz

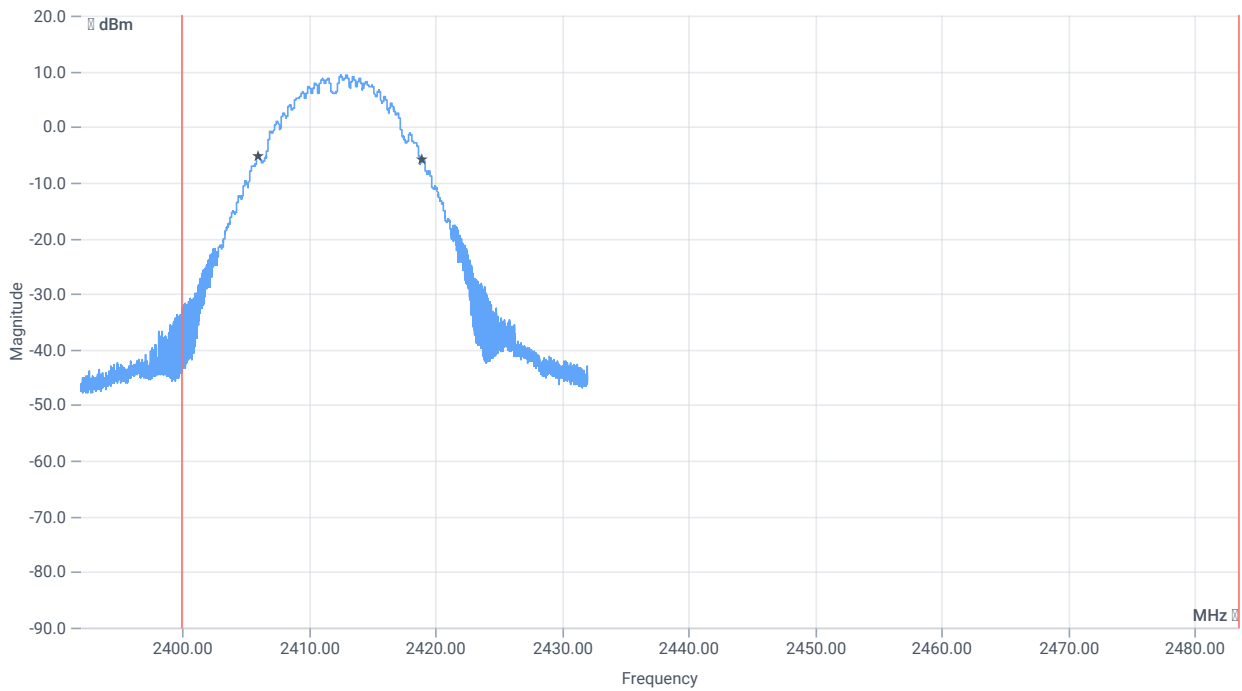
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.39	dBm	INFO
Ref. frequency	---	---	2413.300	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	17.39 11.43 25
Start [MHz] Stop [MHz]	2392.000 2432.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

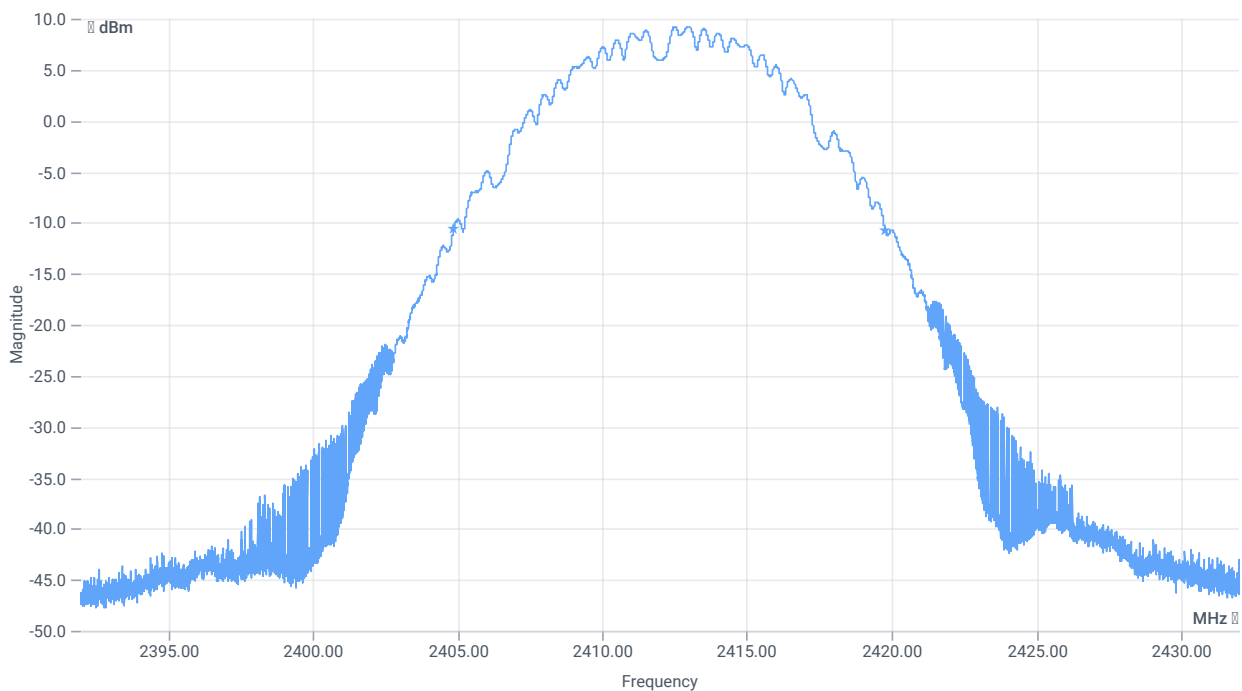




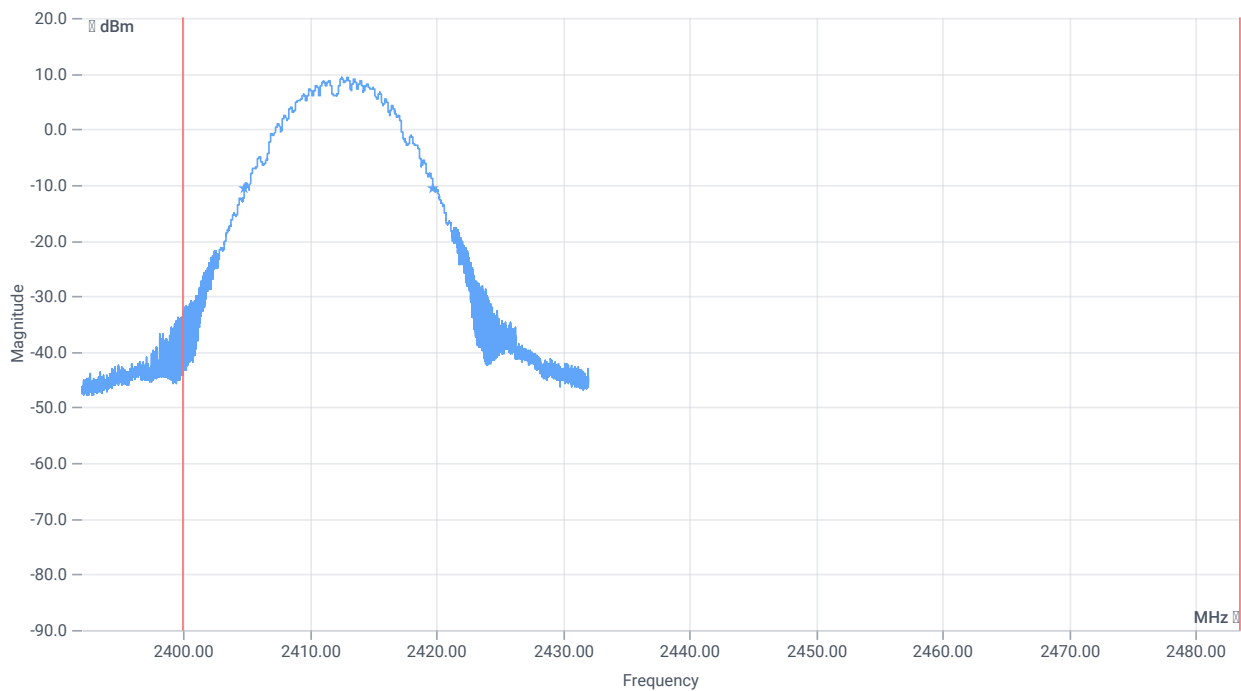
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	13007.000	kHz	INFO
T1 99%	2400.000000	---	2405.9246	MHz	PASS
T2 99%	---	2483.500000	2418.9313	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14900	kHz	INFO
T1 20dB	2400.000000	---	2404.8680	MHz	PASS
T2 20dB	---	2483.500000	2419.7680	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 09:58:39
Ambit temp (test rack) [°C] humidity [rel%]	21.1 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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	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

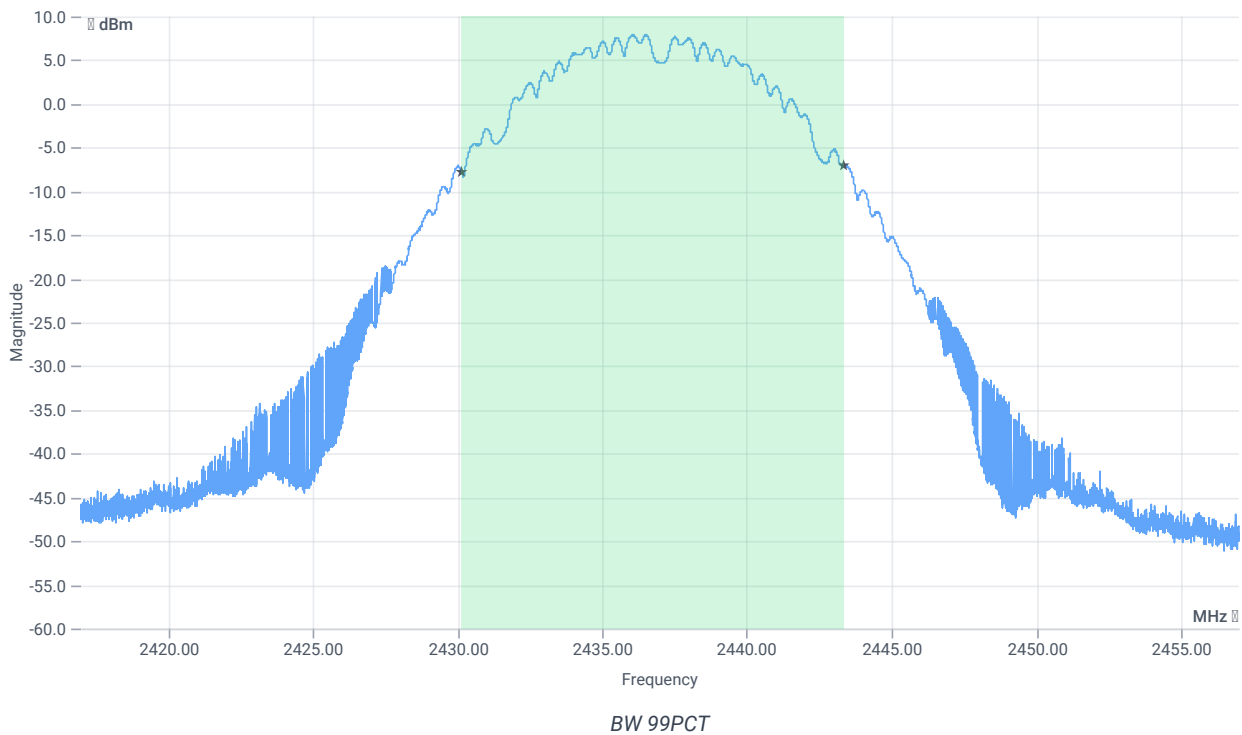
Test at TX 2437 MHz

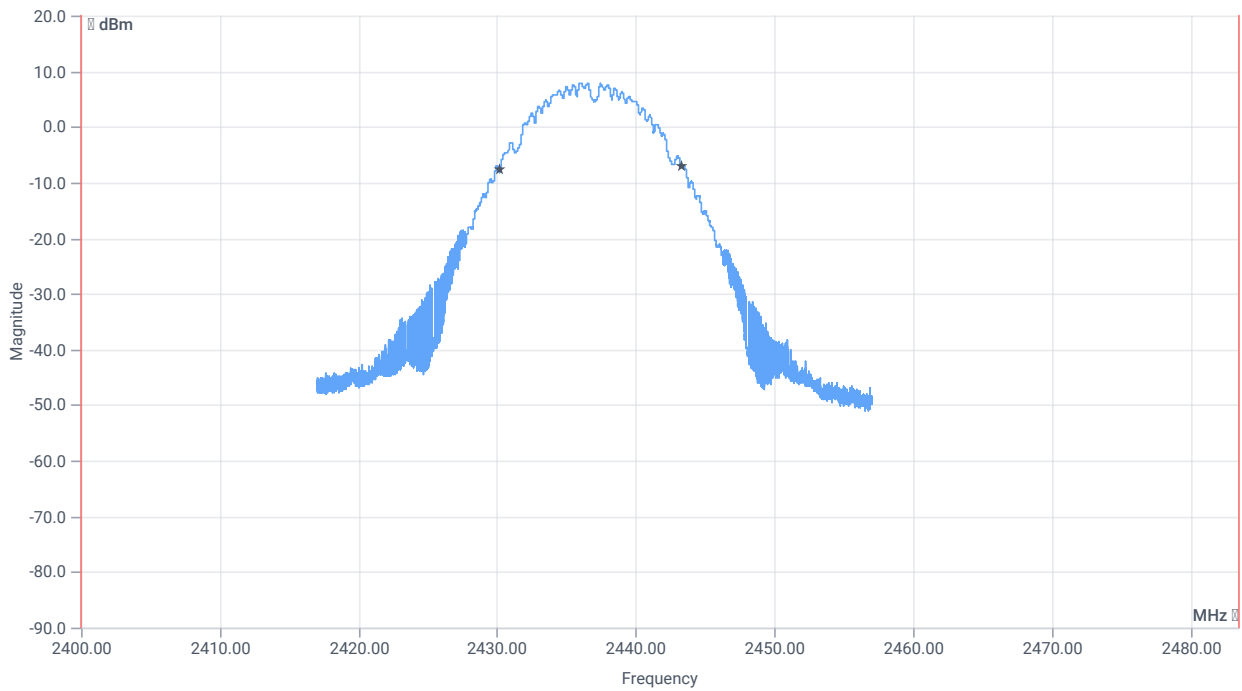
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.82	dBm	INFO
Ref. frequency	---	---	2435.800	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.82 11.4 20
Start [MHz] Stop [MHz]	2417.000 2457.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

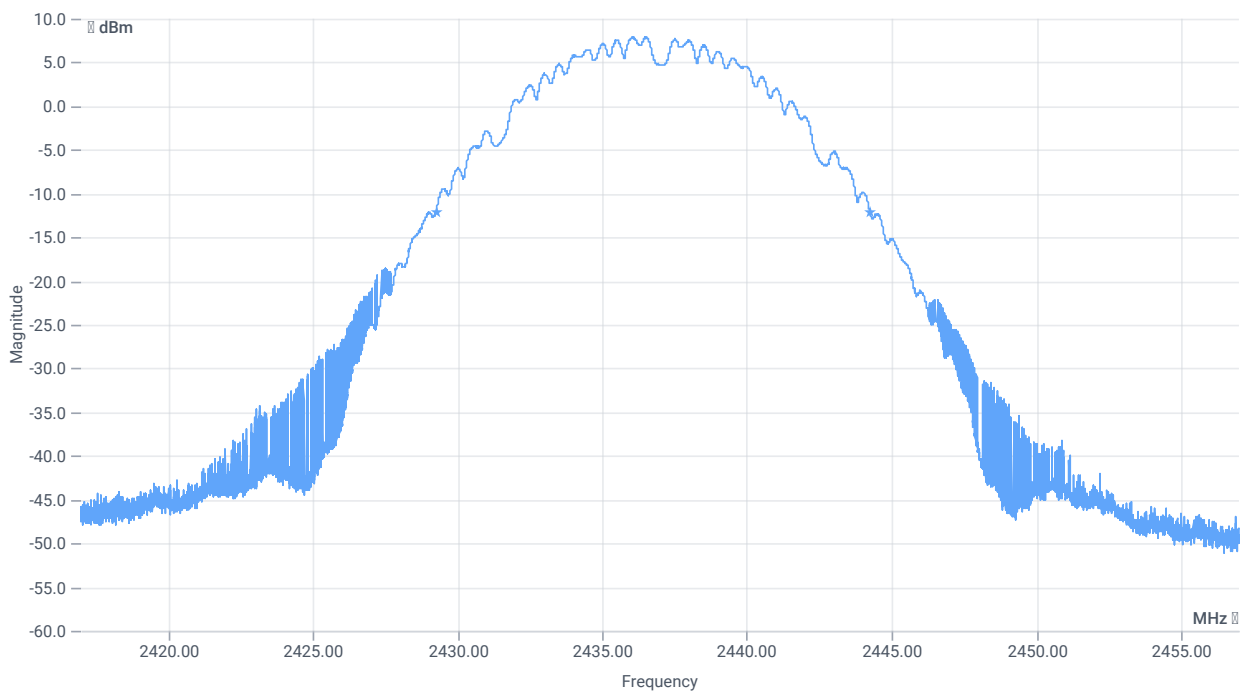




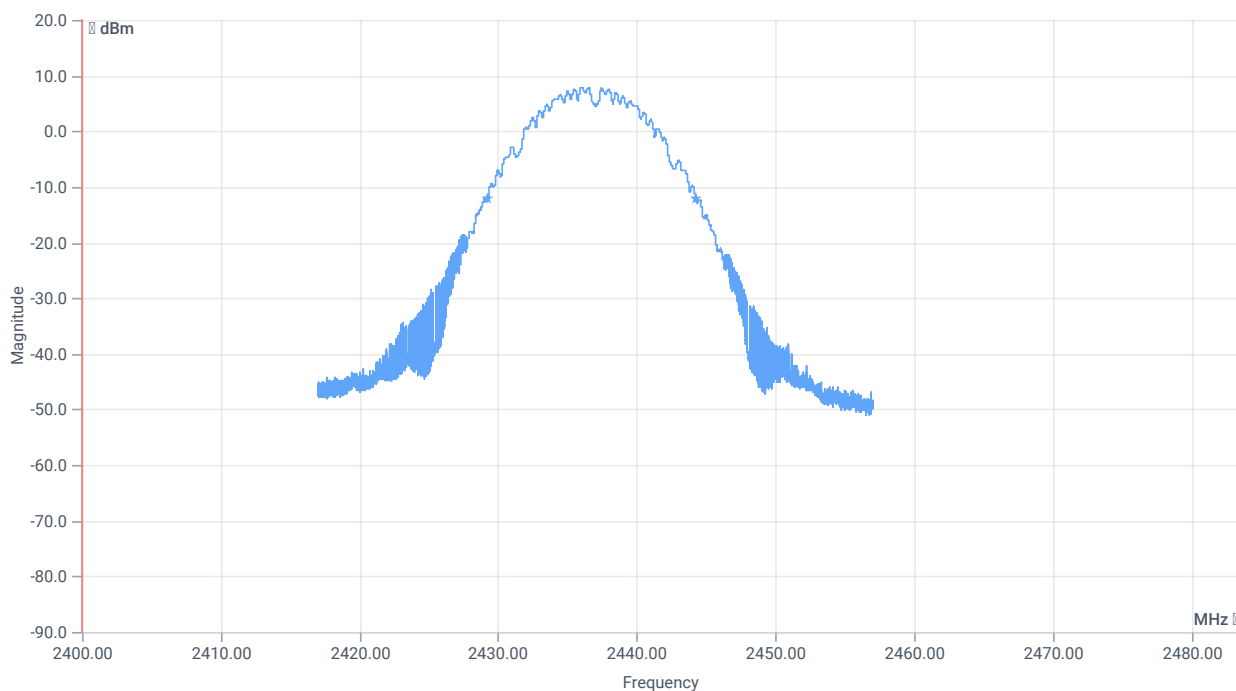
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	13191.000	kHz	INFO
T1 99%	2400.000000	---	2430.1447	MHz	PASS
T2 99%	---	2483.500000	2443.3354	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14976	kHz	INFO
T1 20dB	2400.000000	---	2429.2680	MHz	PASS
T2 20dB	---	2483.500000	2444.2440	MHz	PASS

Verdict

PASS

FCC 15.247, ISED RSS247 # Bandwidth 99PCT and 20dB ~ WLAN2G4 b mode

References

TC start	18.05.2026 10:24:27
Ambit temp (test rack) [°C] humidity [rel%]	21.5 41
System version	6.0.6.5
Standard Version	FCC 15.247, ISED RSS247 NI
Method	
Description	FCC 15.247 Bandwidth 99PCT-20dB 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	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

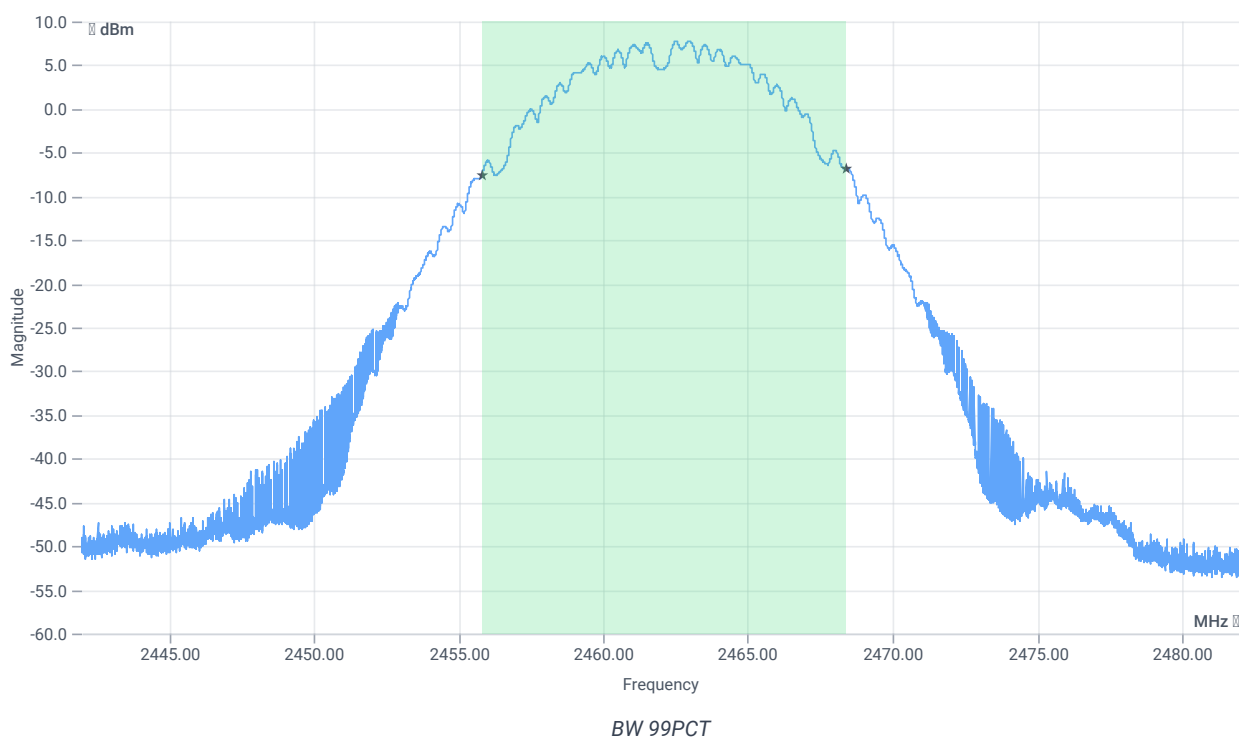
Test at TX 2462 MHz

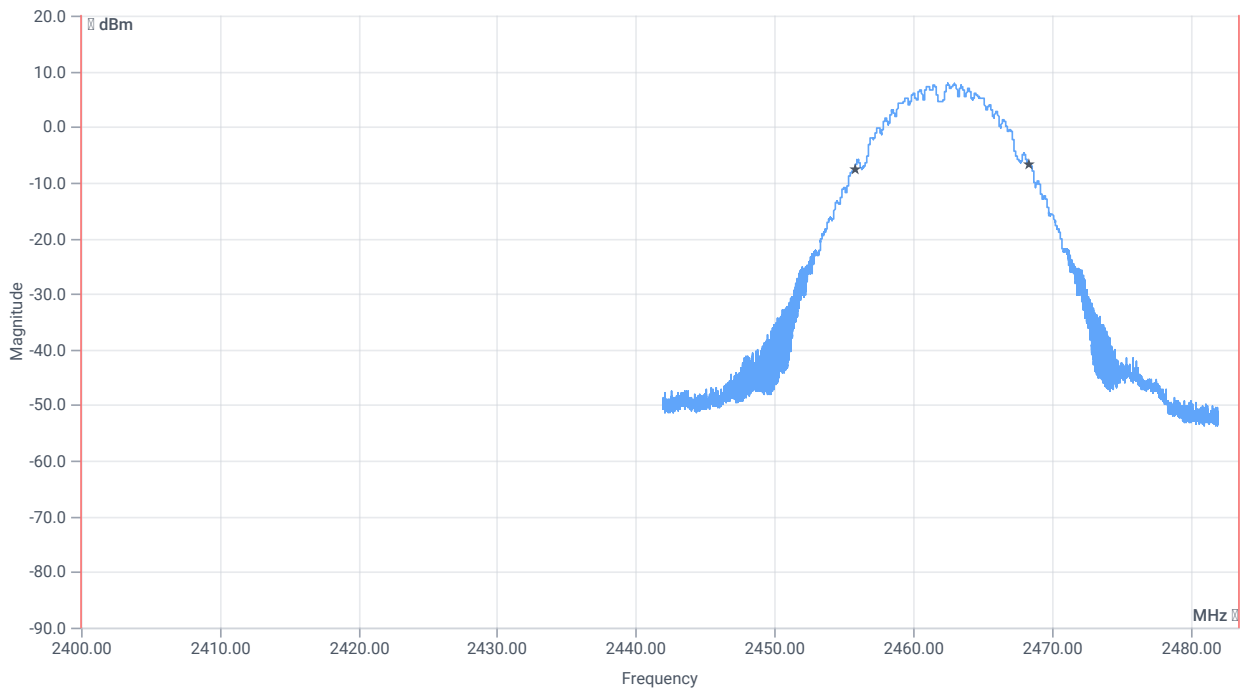
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	10.80	dBm	INFO
Ref. frequency	---	---	2463.200	MHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.80 11.42 20
Start [MHz] Stop [MHz]	2442.000 2482.000
RBW [MHz] VBW [MHz]	0.500000 2.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

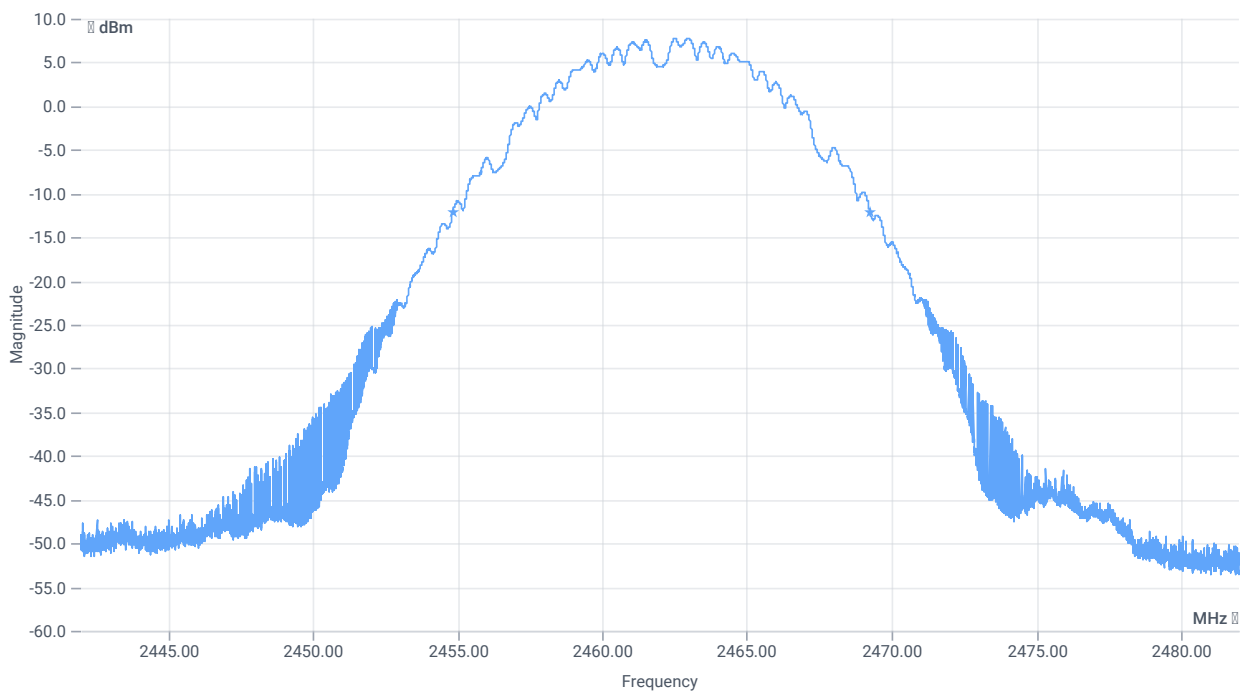




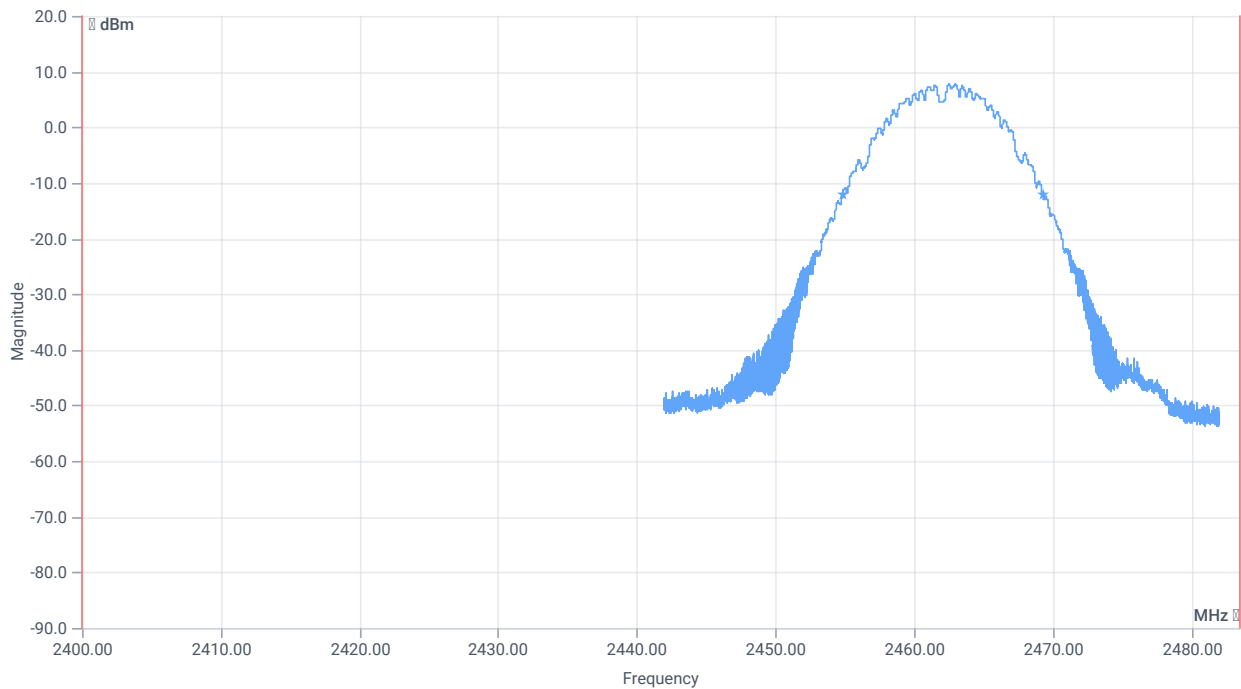
BW within Band 99PCT

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 99%	---	---	12579.000	kHz	INFO
T1 99%	2400.000000	---	2455.8246	MHz	PASS
T2 99%	---	2483.500000	2468.4034	MHz	PASS



BW 20dB



BW within band 20dB

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Bandwidth 20dB	---	---	14412	kHz	INFO
T1 20dB	2400.000000	---	2454.8400	MHz	PASS
T2 20dB	---	2483.500000	2469.2520	MHz	PASS

Verdict
PASS

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

References

TC start	20.05.2026 08:51:48
Ambit temp (test rack) [°C] humidity [rel%]	22.5 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 DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT2_ PS16_avg

Equipment

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

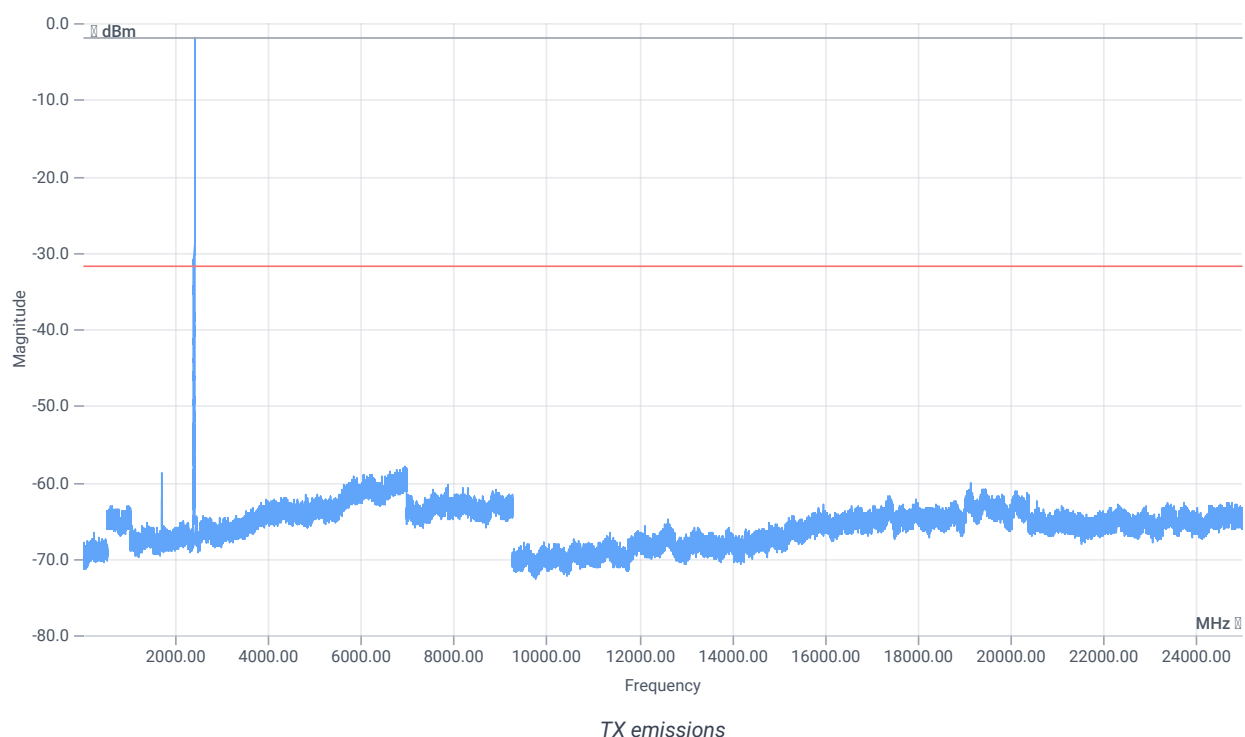
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	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

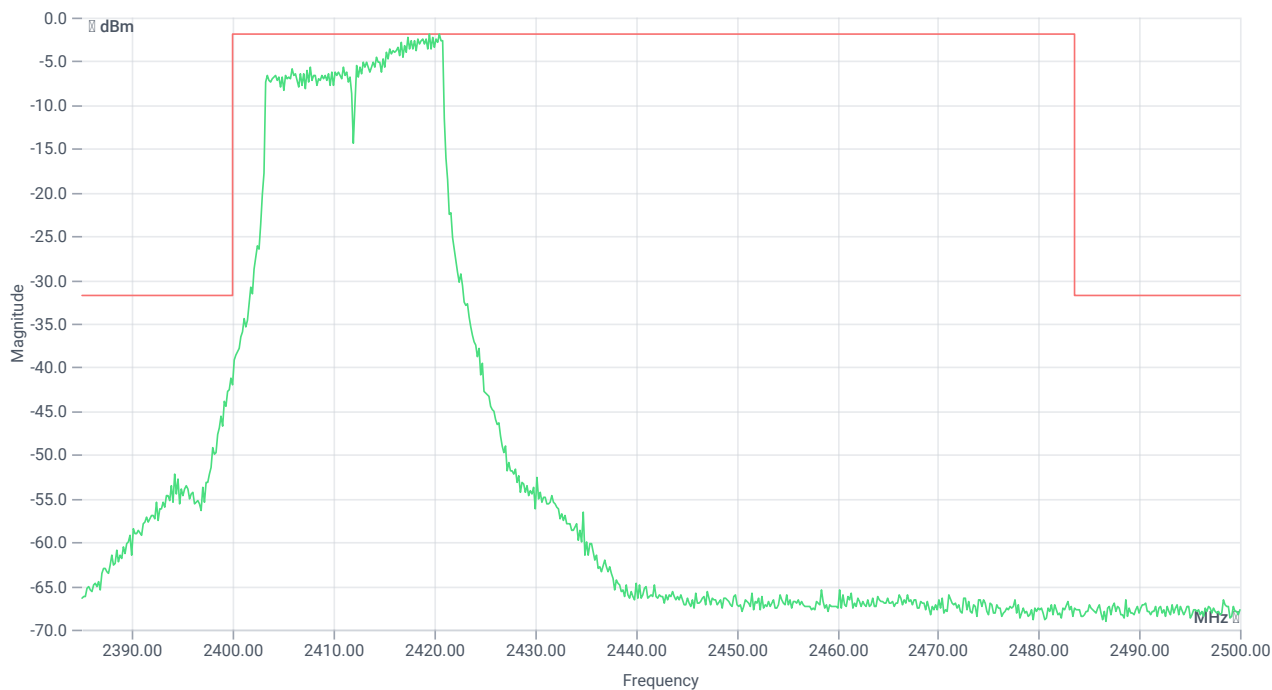
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.41	dBm	INFO
Ref. frequency	---	---	2419.090	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.41 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 10 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2419.50 MHz	---	---	-1.87	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	9.33	dB	INFO

Verdict

PASS

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

References

TC start	20.05.2026 09:03:45
Ambit temp (test rack) [°C] humidity [rel%]	22.6 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 DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT2_ PS16_avg

Equipment

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

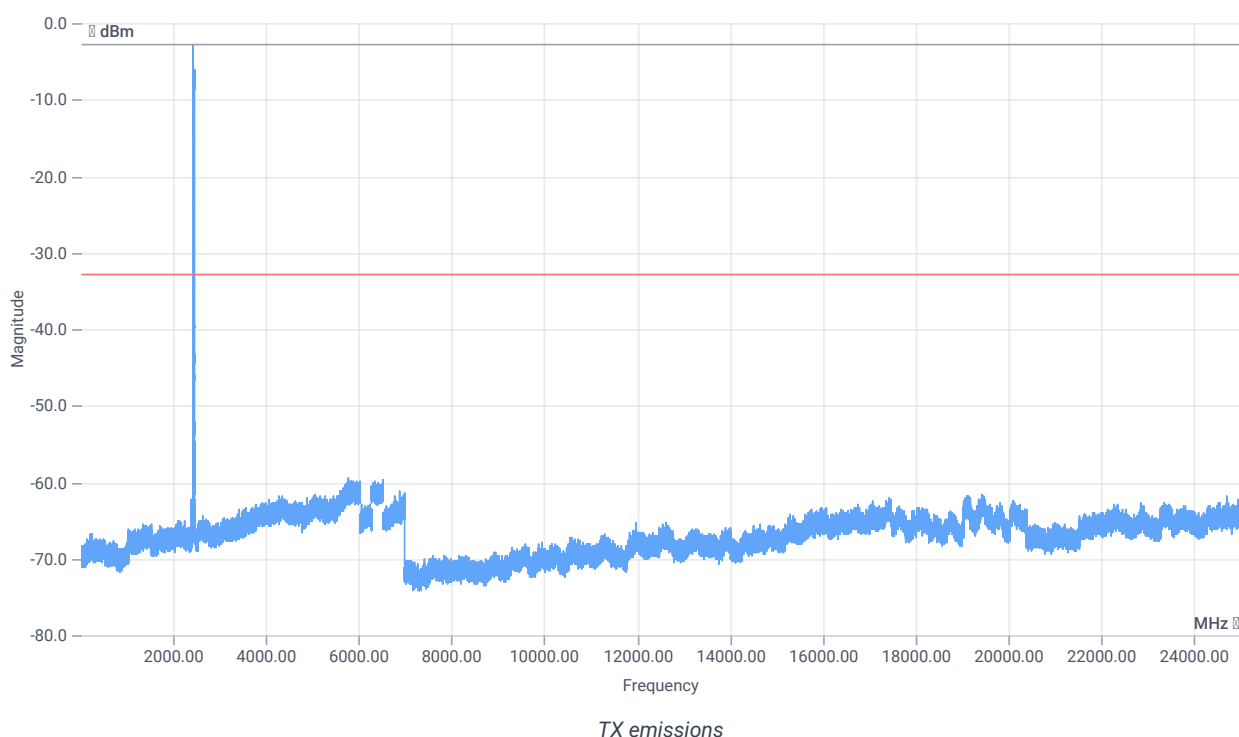
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	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

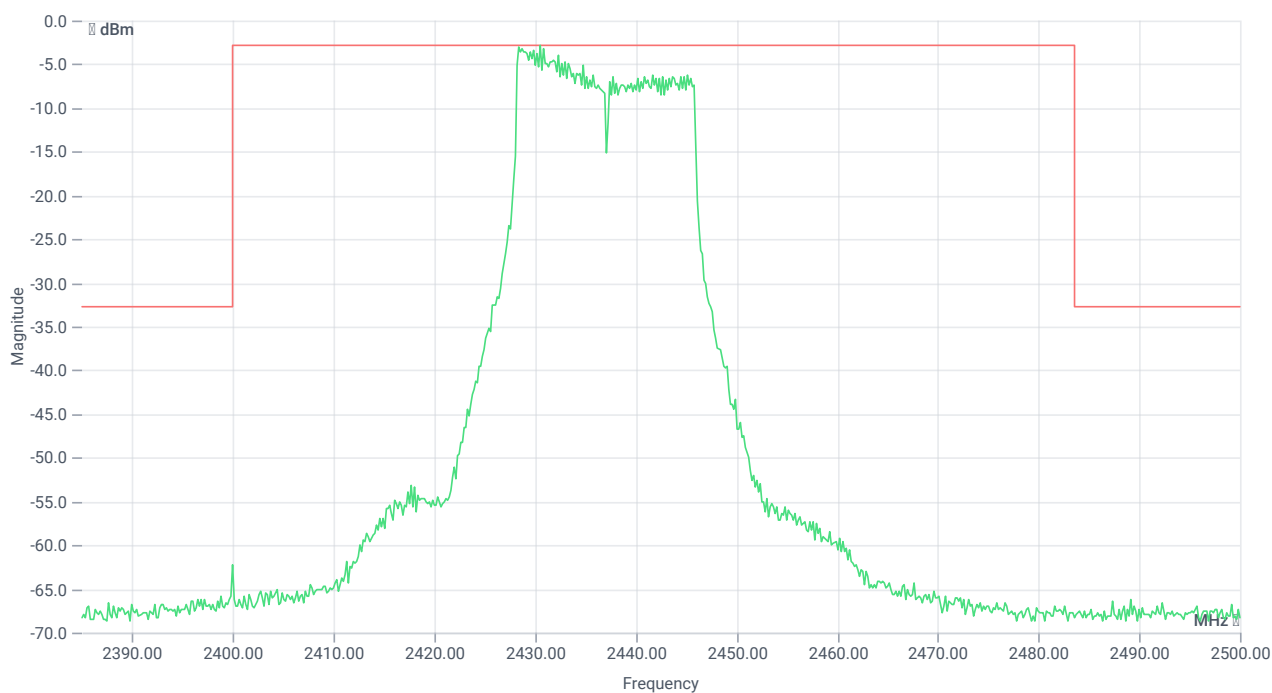
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.02	dBm	INFO
Ref. frequency	---	---	2429.210	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.02 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 10 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2430.50 MHz	---	---	-2.80	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 5781.5 MHz	0	---	26.66	dB	INFO

Verdict

PASS

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

References

TC start	20.05.2026 09:15:41
Ambit temp (test rack) [°C] humidity [rel%]	22.6 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 DTS - WLAN2G4 ac-VHT20
Information	OFDM_ac-mode_20MHz_ANT2_ PS16_avg

Equipment

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

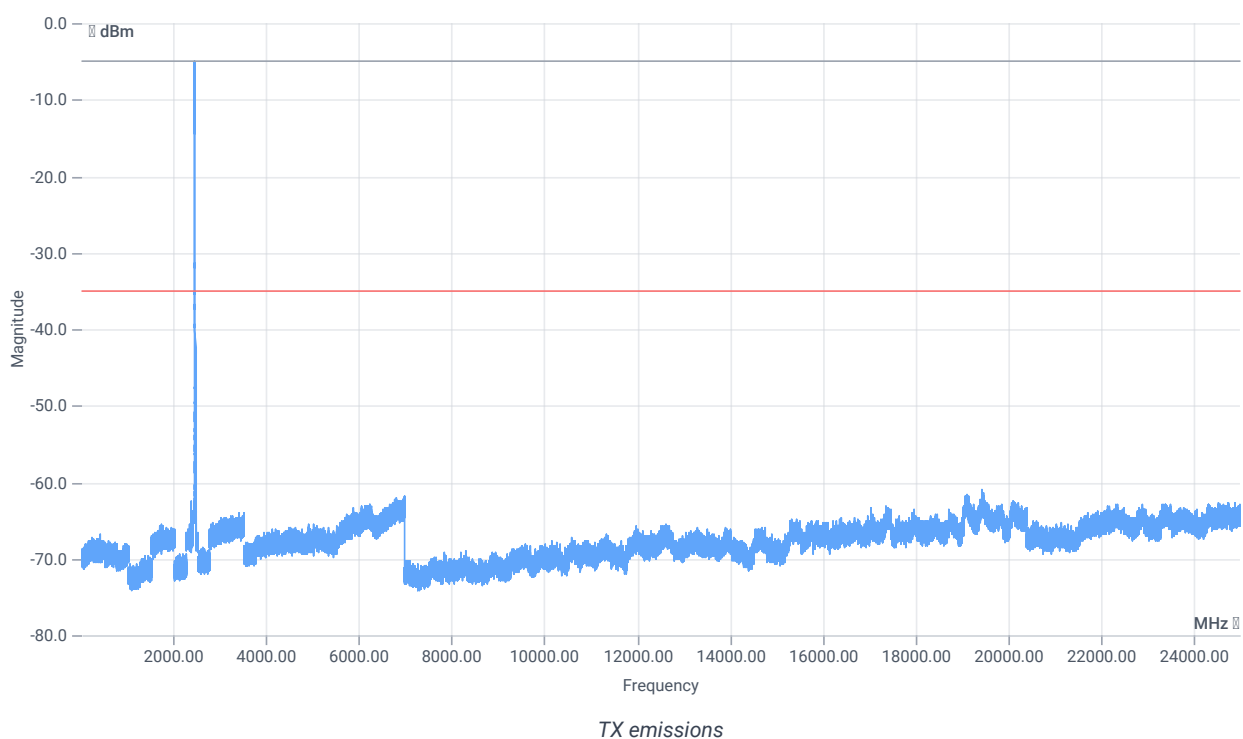
Test Parameter

Technology to test	WLAN2G4 ac-VHT20
EUT port	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

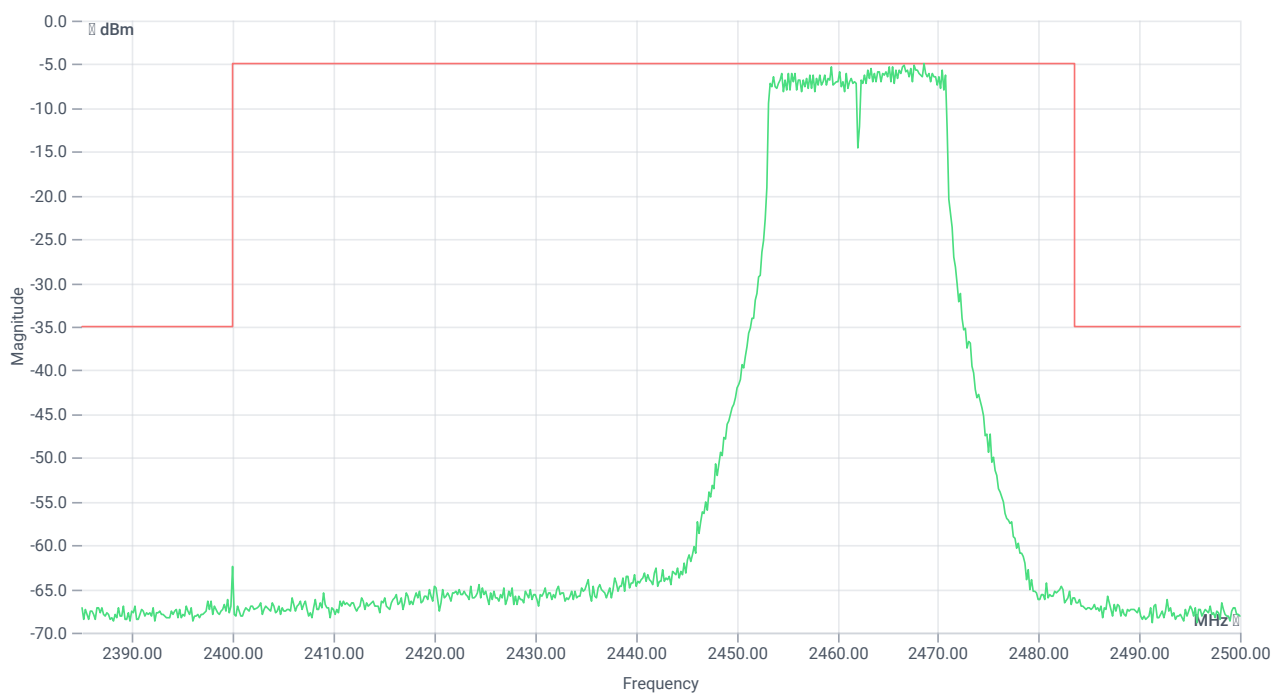
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	11.50	dBm	INFO
Ref. frequency	---	---	2463.400	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	11.50 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 10 1501 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2468.67 MHz	---	---	-4.94	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 19439.333 MHz	0	---	25.97	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 08:02:20
Ambit temp (test rack) [°C] humidity [rel%]	21.8 45
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 ax-HE20
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

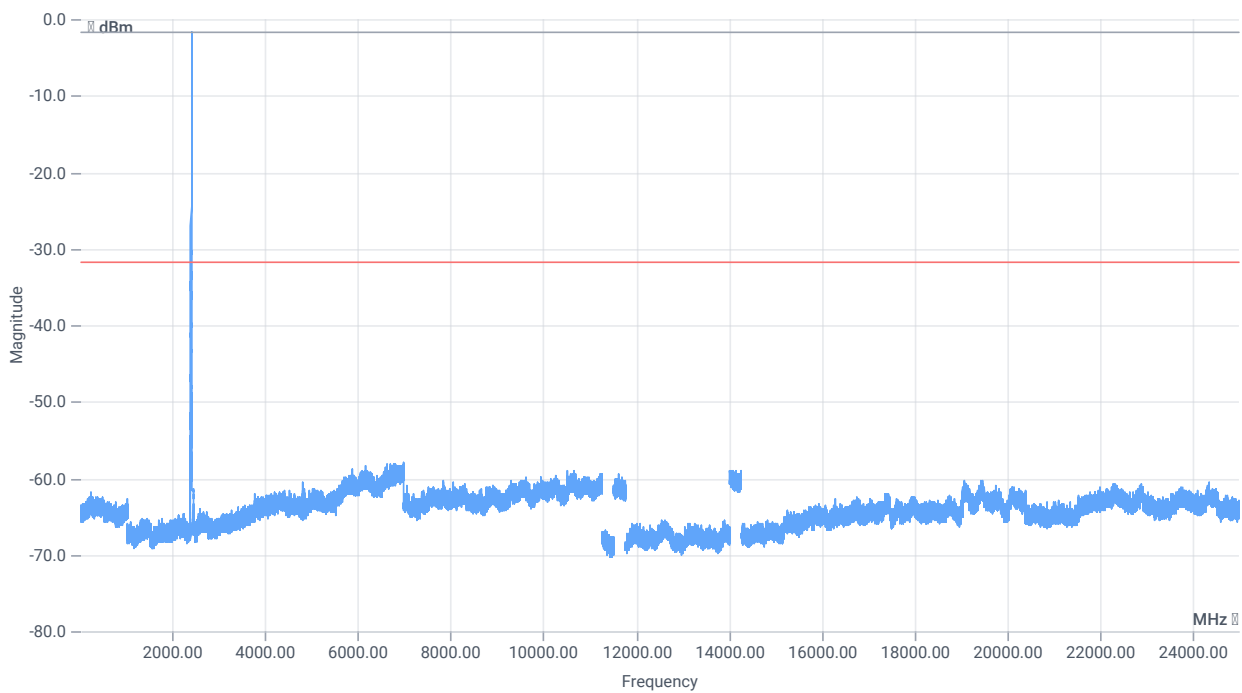
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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.

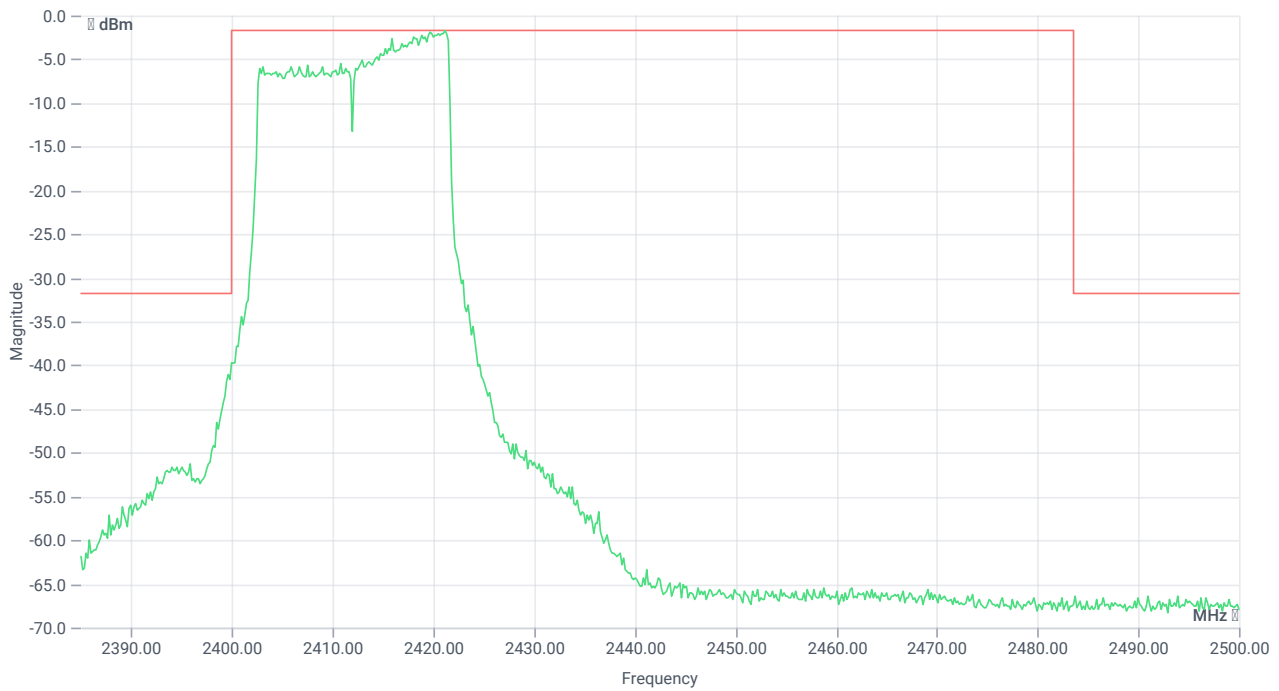
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.56	dBm	INFO
Ref. frequency	---	---	2420.290	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.56 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 @ 2421.17 MHz	---	---	-1.72	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.667 MHz	0	---	9.34	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 08:20:14
Ambit temp (test rack) [°C] humidity [rel%]	22.1 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 DTS - WLAN2G4 ax-HE20
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

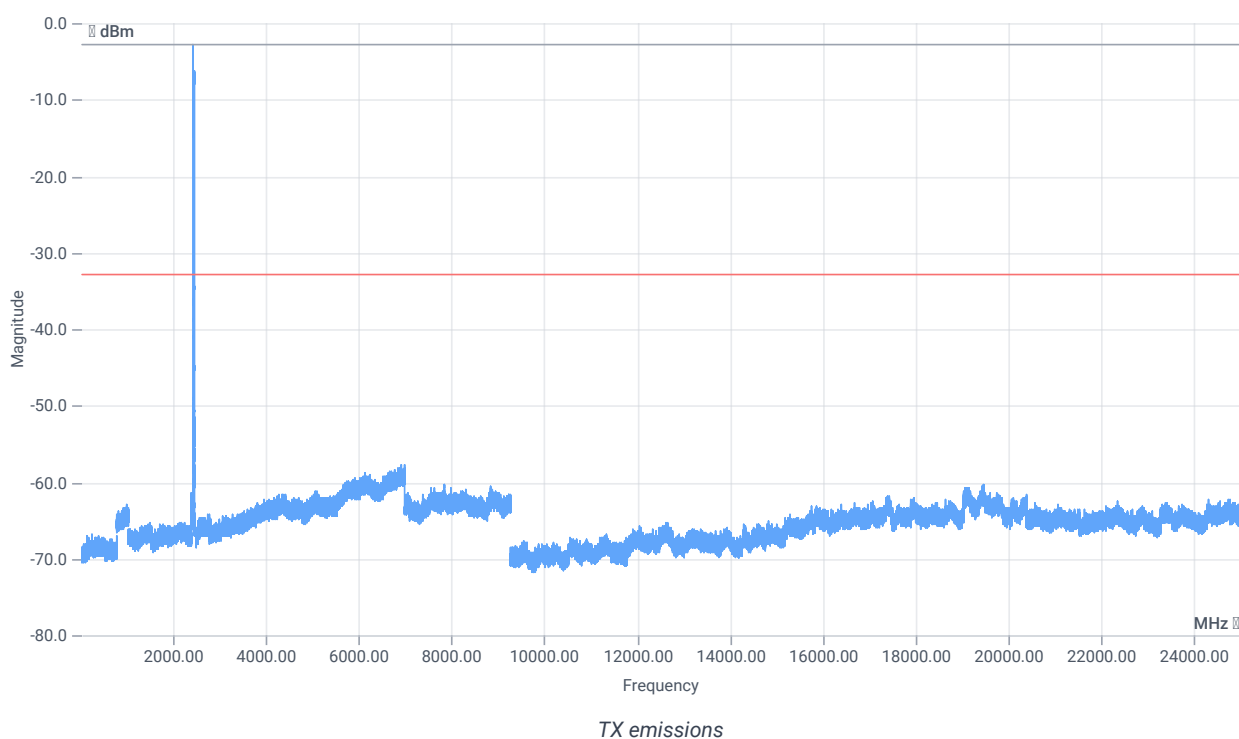
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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

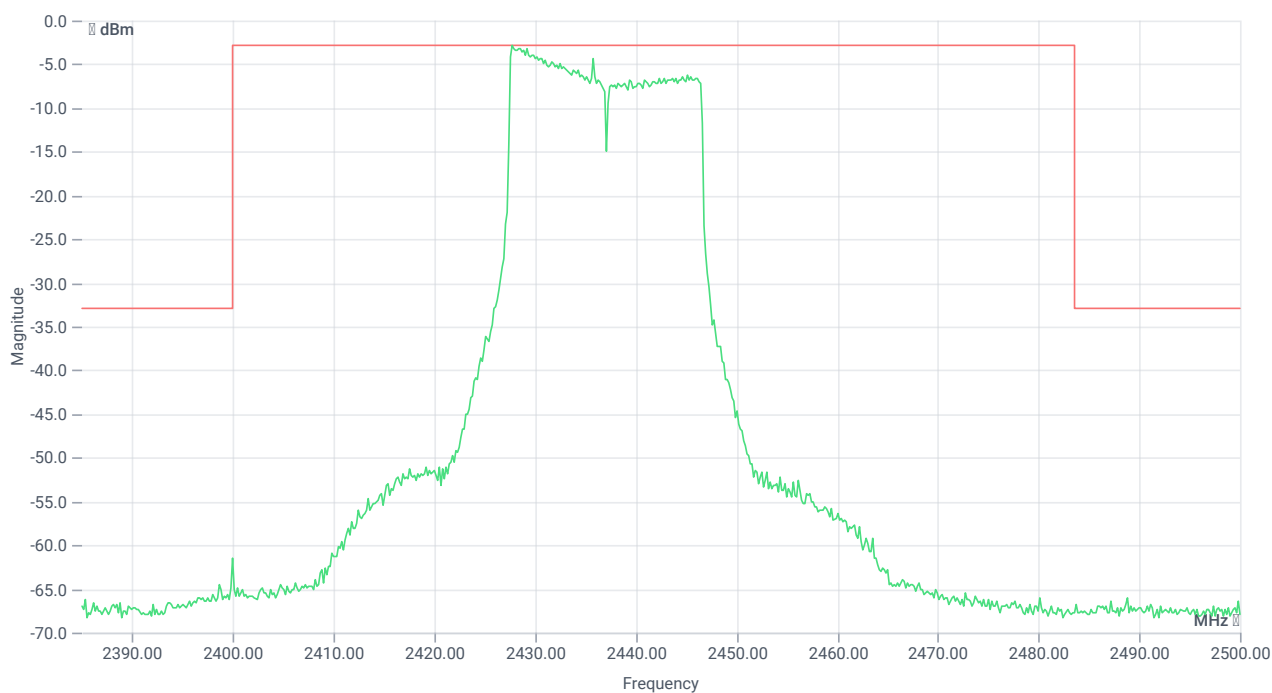
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	14.13	dBm	INFO
Ref. frequency	---	---	2430.810	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	14.13 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 @ 2427.67 MHz	---	---	-2.85	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6995.667 MHz	0	---	24.94	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 08:38:33
Ambit temp (test rack) [°C] humidity [rel%]	22.5 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 DTS - WLAN2G4 ax-HE20
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

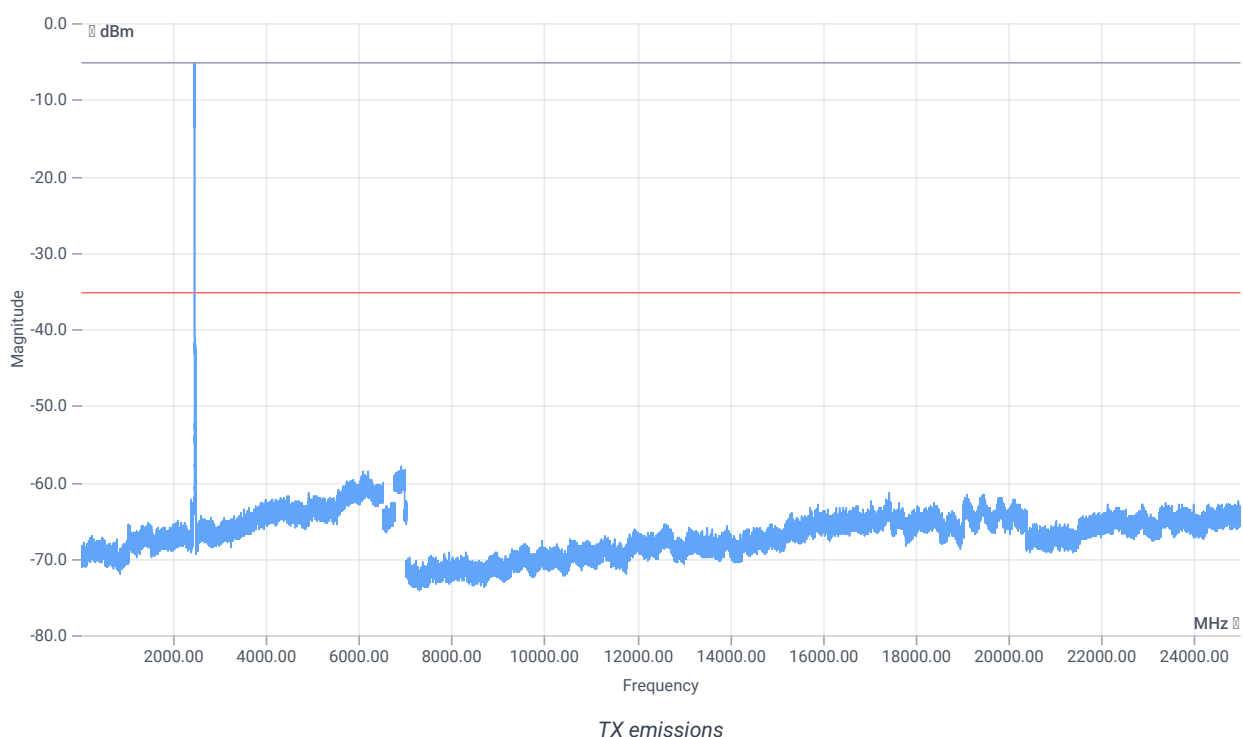
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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

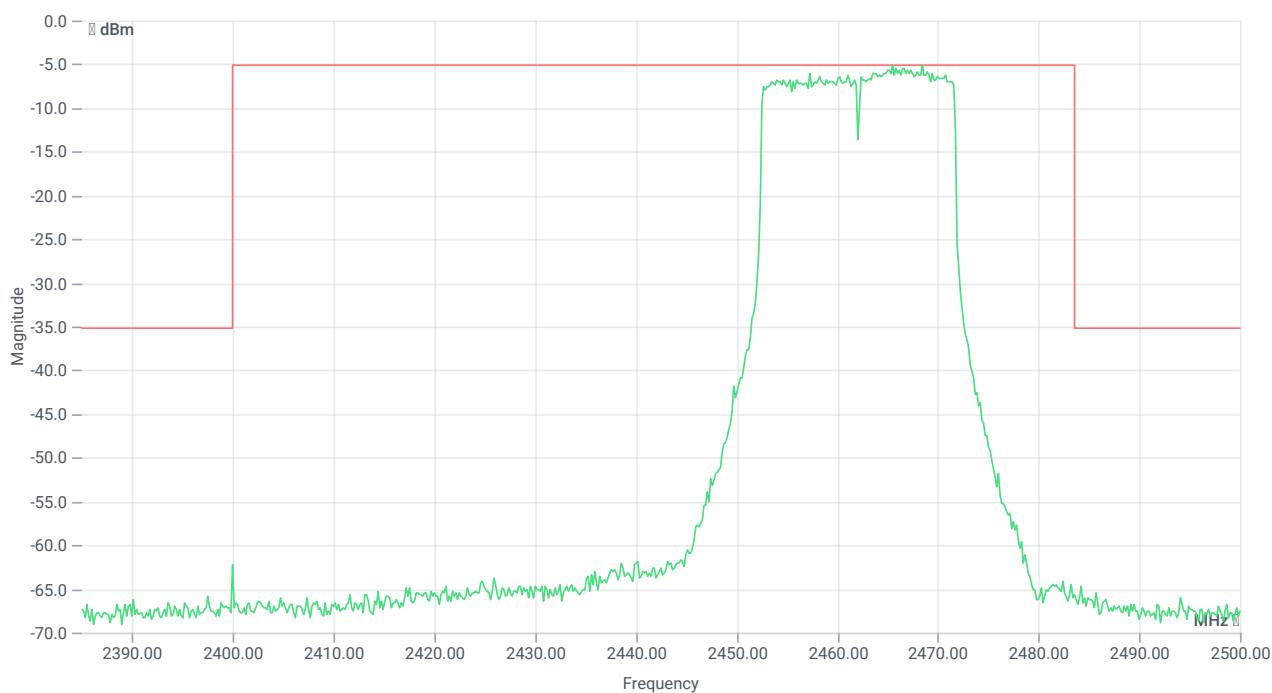
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.08	dBm	INFO
Ref. frequency	---	---	2467.790	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.08 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 10 1501 SWE



TX emissions band zoomed

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Reference @ 2468.50 MHz	---	---	-5.16	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6907.5 MHz	0	---	22.84	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 06:54:45
Ambit temp (test rack) [°C] humidity [rel%]	20.9 47
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 ax-HE20
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

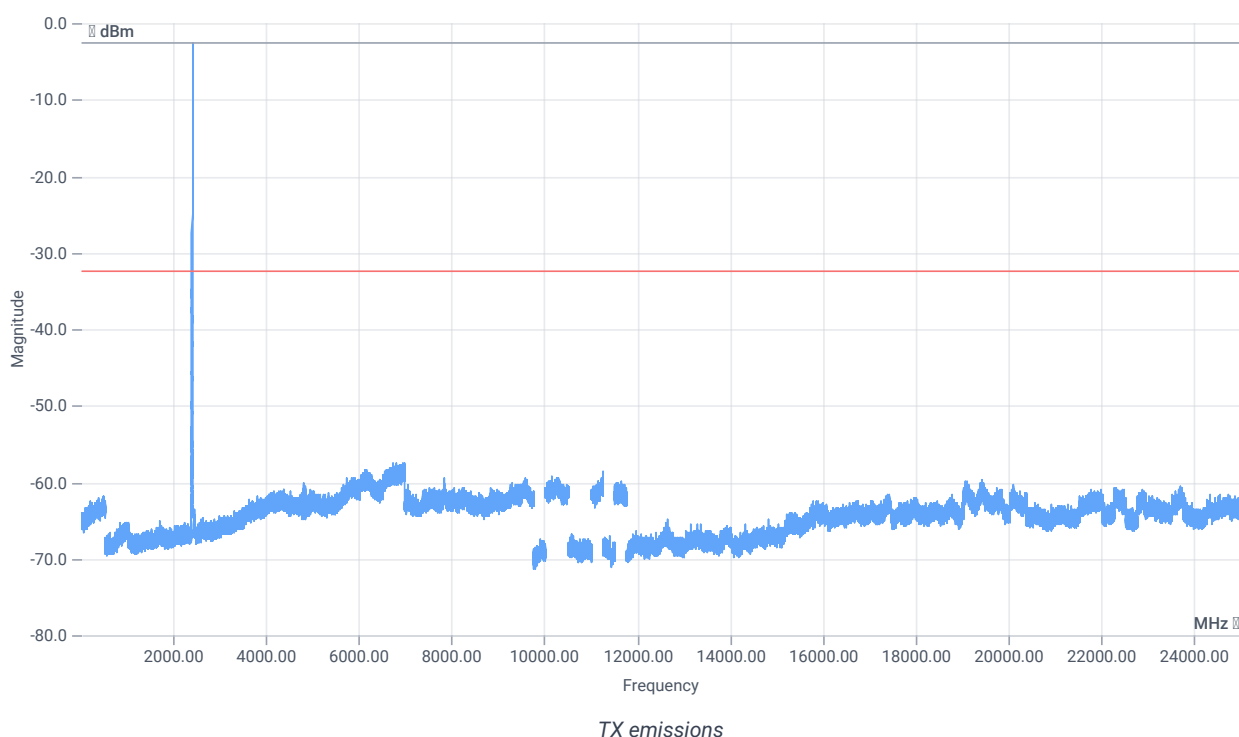
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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

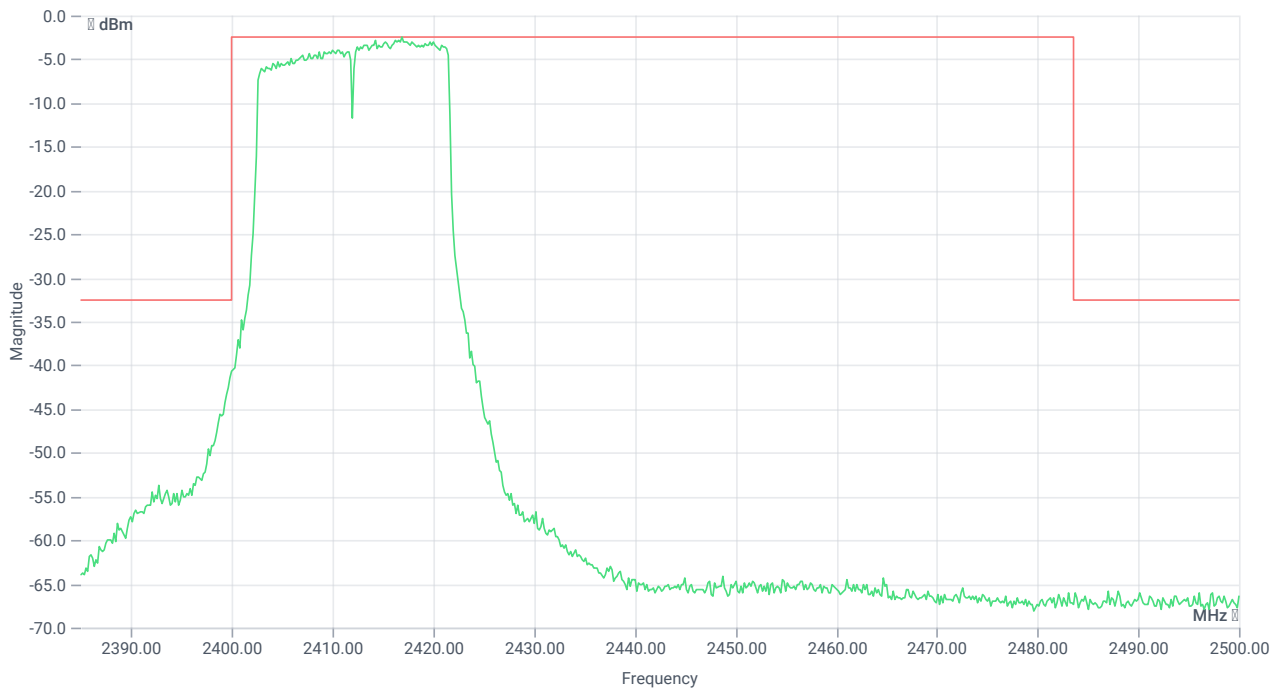
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	15.19	dBm	INFO
Ref. frequency	---	---	2417.890	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	15.19 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 @ 2416.83 MHz	---	---	-2.52	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	8.93	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 07:13:10
Ambit temp (test rack) [°C] humidity [rel%]	21.3 46
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 ax-HE20
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

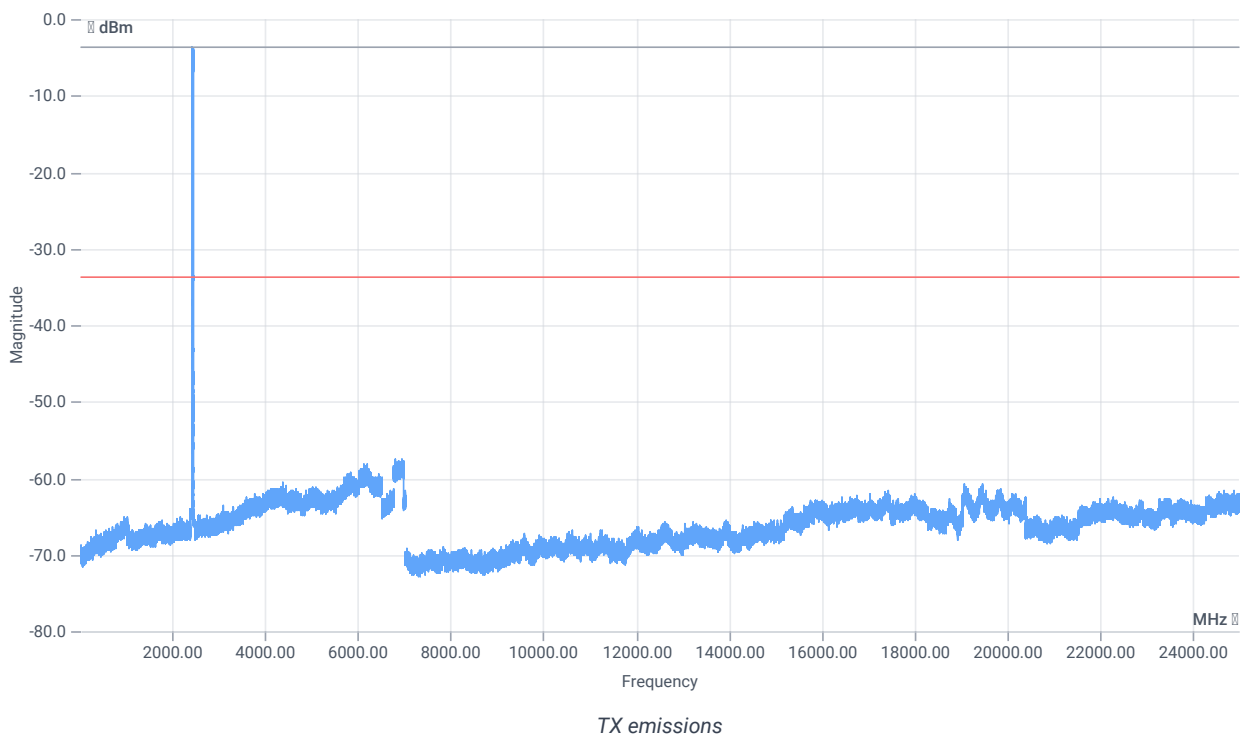
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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

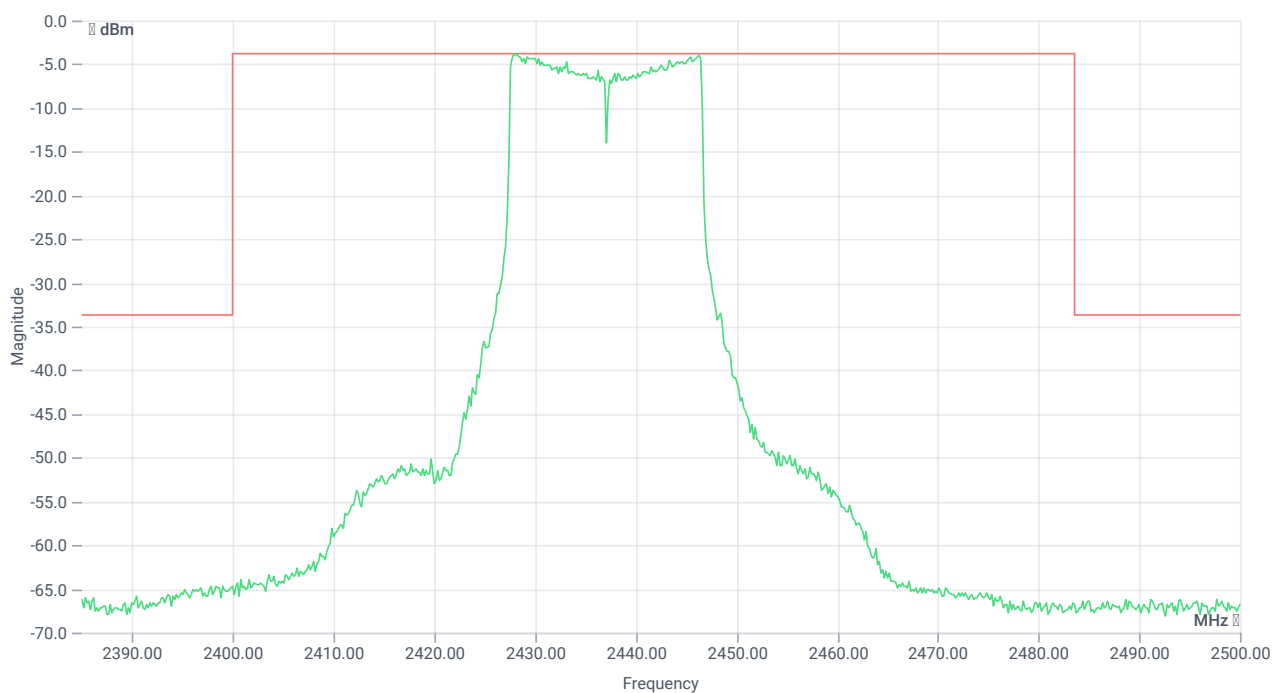
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.48	dBm	INFO
Ref. frequency	---	---	2431.310	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.48 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 @ 2427.83 MHz	---	---	-3.70	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6934.167 MHz	0	---	23.74	dB	INFO

Verdict

PASS

FCC 15.247 # TX spurious conducted 30dBc ~ WLAN2G4 ax-HE20

References

TC start	20.05.2026 07:37:11
Ambit temp (test rack) [°C] humidity [rel%]	21.6 45
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 ax-HE20
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

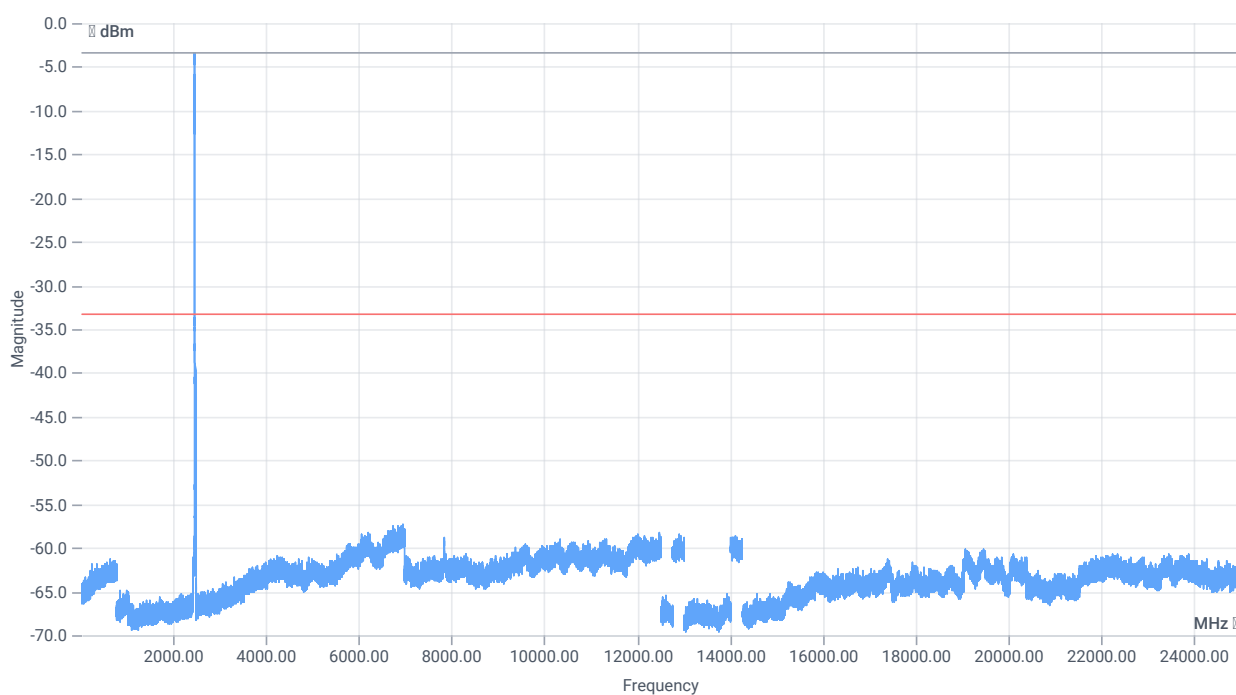
Test Parameter

Technology to test	WLAN2G4 ax-HE20
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.

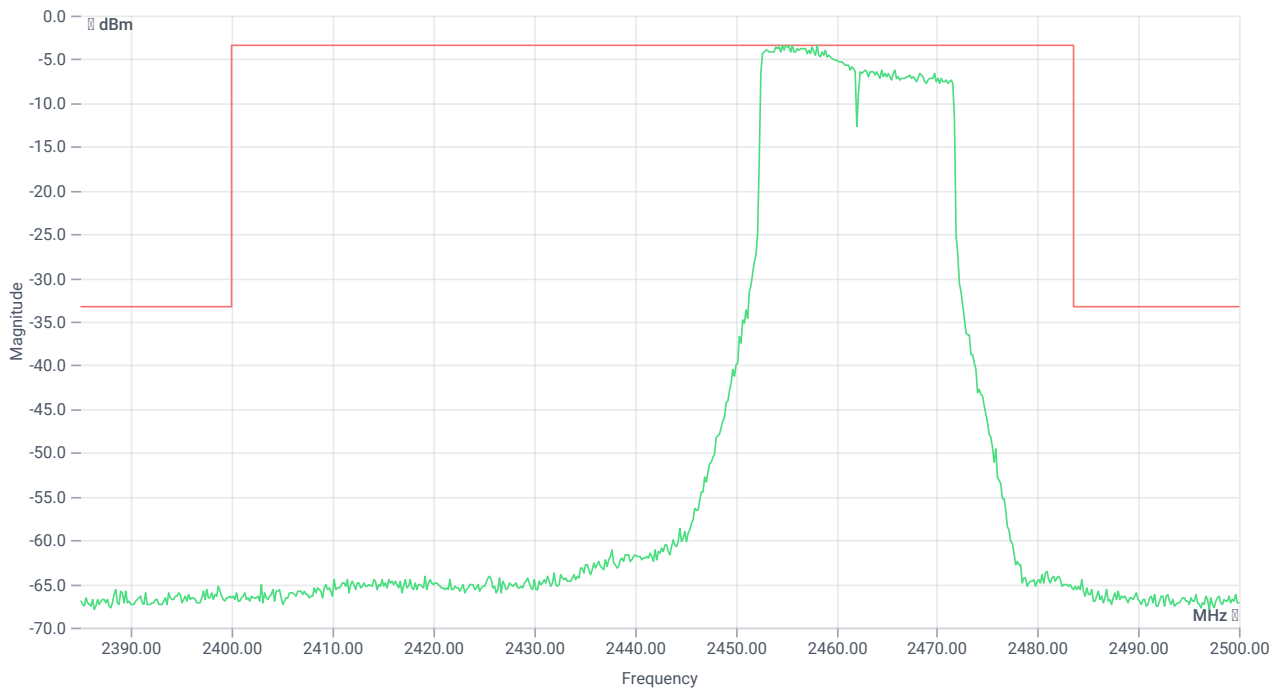
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	16.00	dBm	INFO
Ref. frequency	---	---	2454.010	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	16.00 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 @ 2454.67 MHz	---	---	-3.37	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 6936.833 MHz	0	---	24.03	dB	INFO

Verdict

PASS

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

References

TC start	19.05.2026 13:34:35
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 DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-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

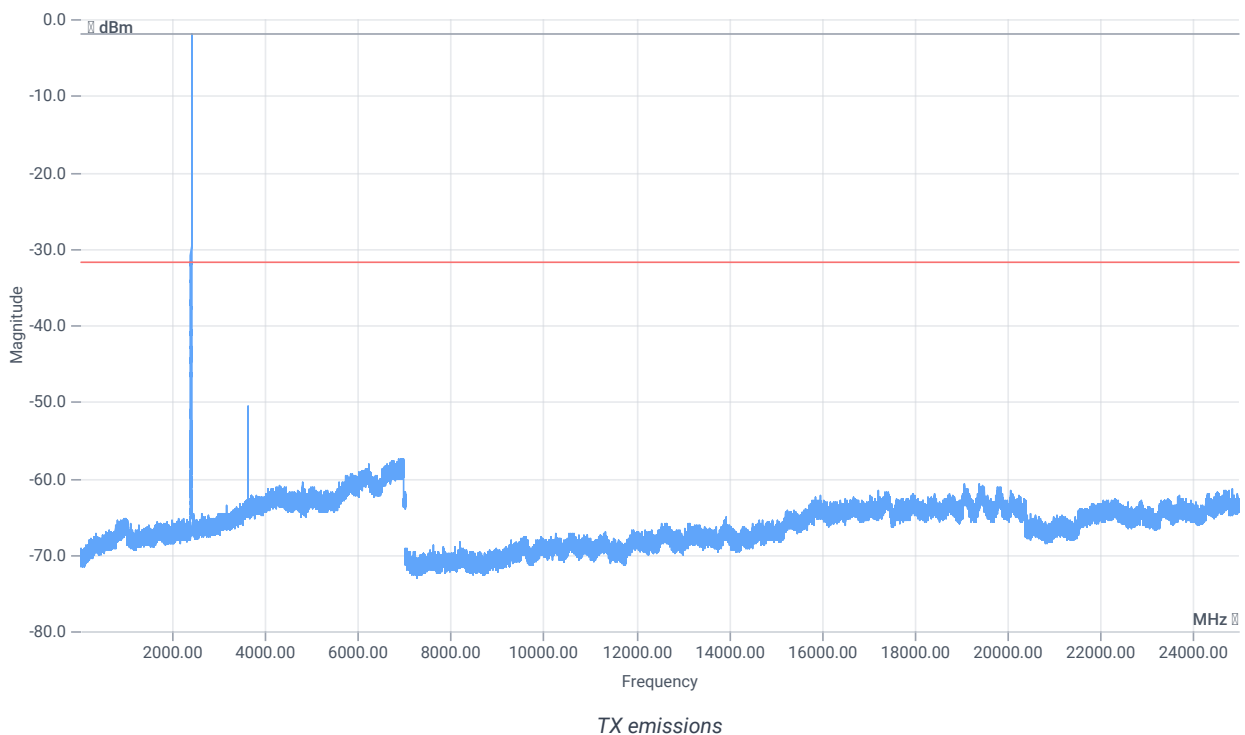
Test Parameter

Technology to test	WLAN2G4 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

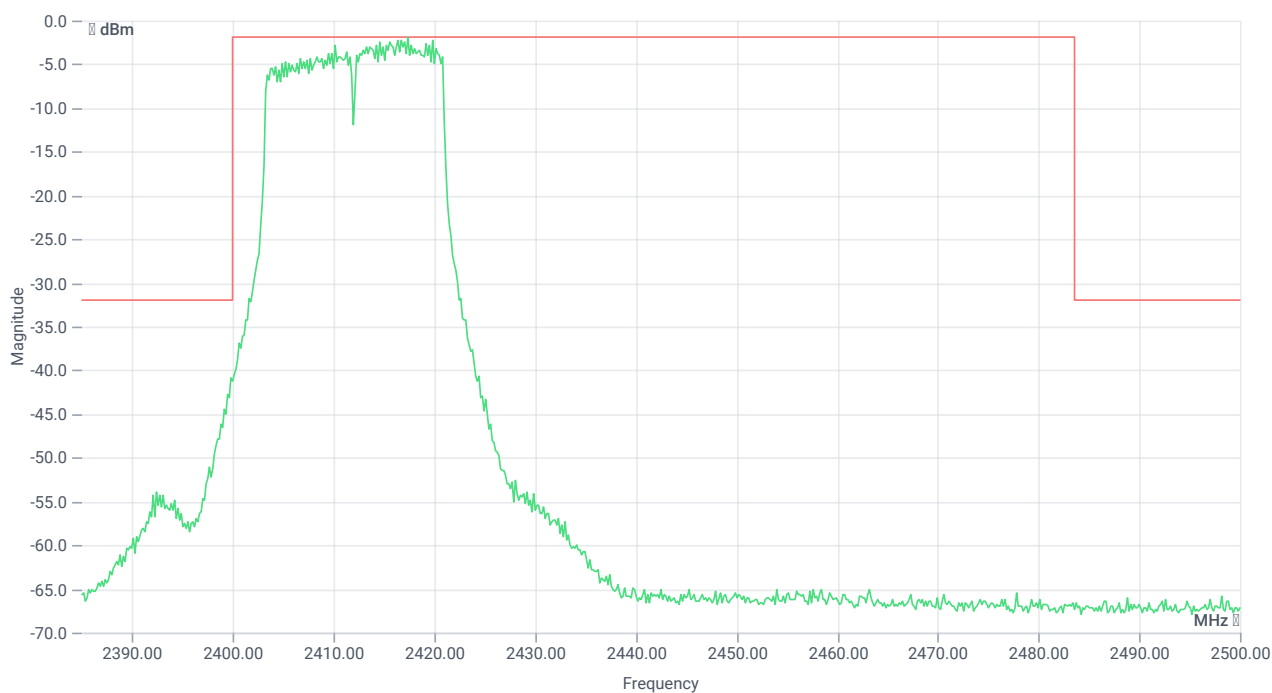
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.84	dBm	INFO
Ref. frequency	---	---	2416.300	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.84 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 @ 2417.33 MHz	---	---	-1.88	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 2399.833 MHz	0	---	8.99	dB	INFO

Verdict

PASS

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

References

TC start	19.05.2026 13:52:36
Ambit temp (test rack) [°C] humidity [rel%]	23.1 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 DTS - WLAN2G4 n-HT20 mode
Information	OFDM_nHT20-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

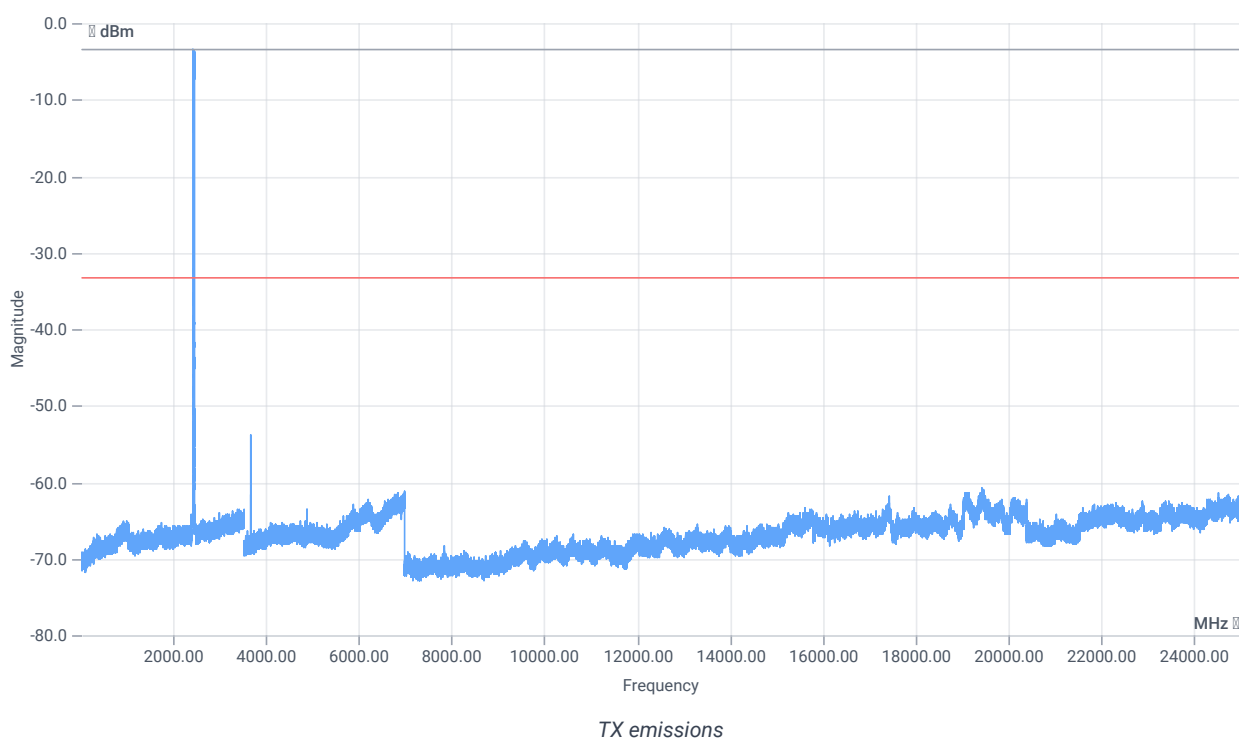
Test Parameter

Technology to test	WLAN2G4 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

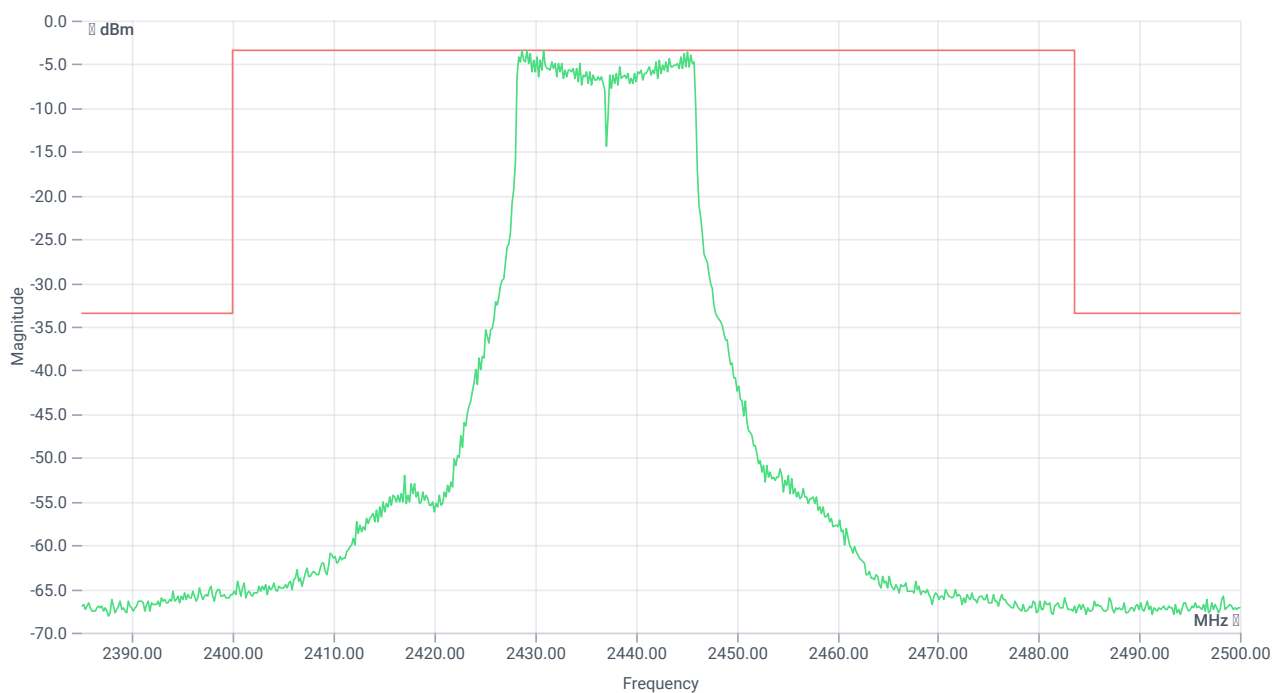
RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	12.07	dBm	INFO
Ref. frequency	---	---	2443.490	MHz	INFO



READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	12.07 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	---	---	-3.39	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 3667.833 MHz	0	---	20.44	dB	INFO

Verdict

PASS

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

References

TC start	19.05.2026 14:10:40
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_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

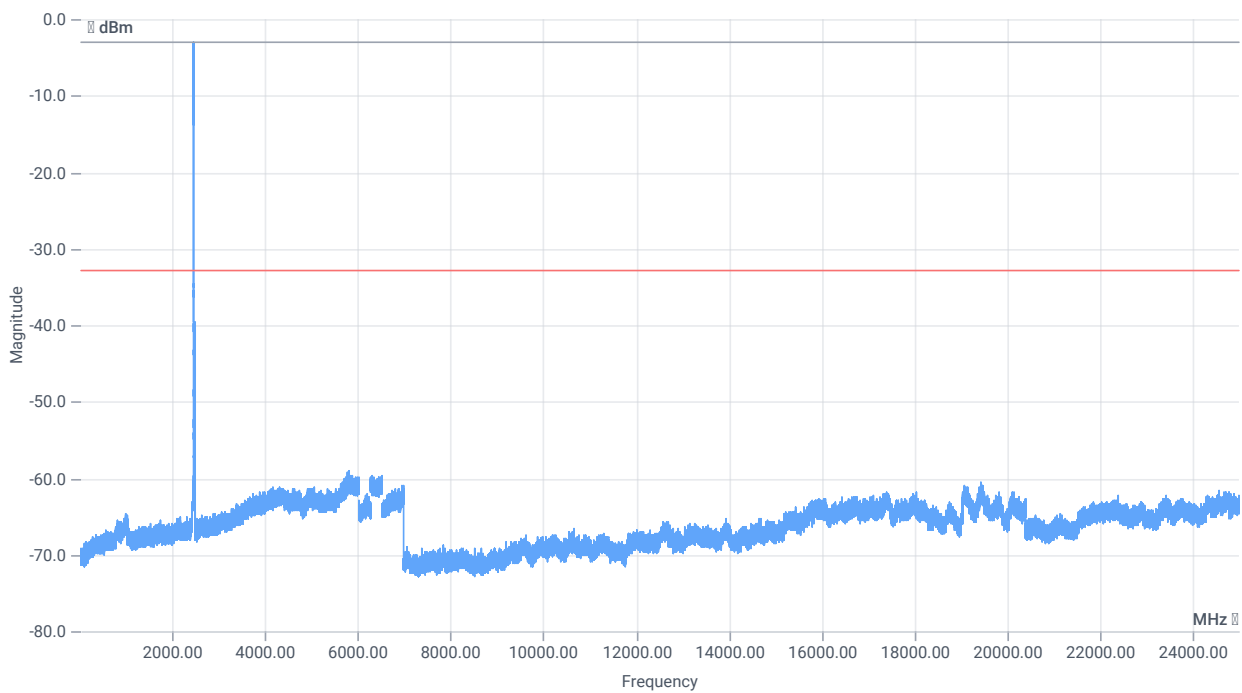
Test Parameter

Technology to test	WLAN2G4 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.MP.SIG1/EUT1.SA/EUT1.GEN1/EUT1.GEN2/
Switch bits	00010001:00010001:00000000:00000001

Test at TX 2462 MHz

RESULT: Reference power cond.

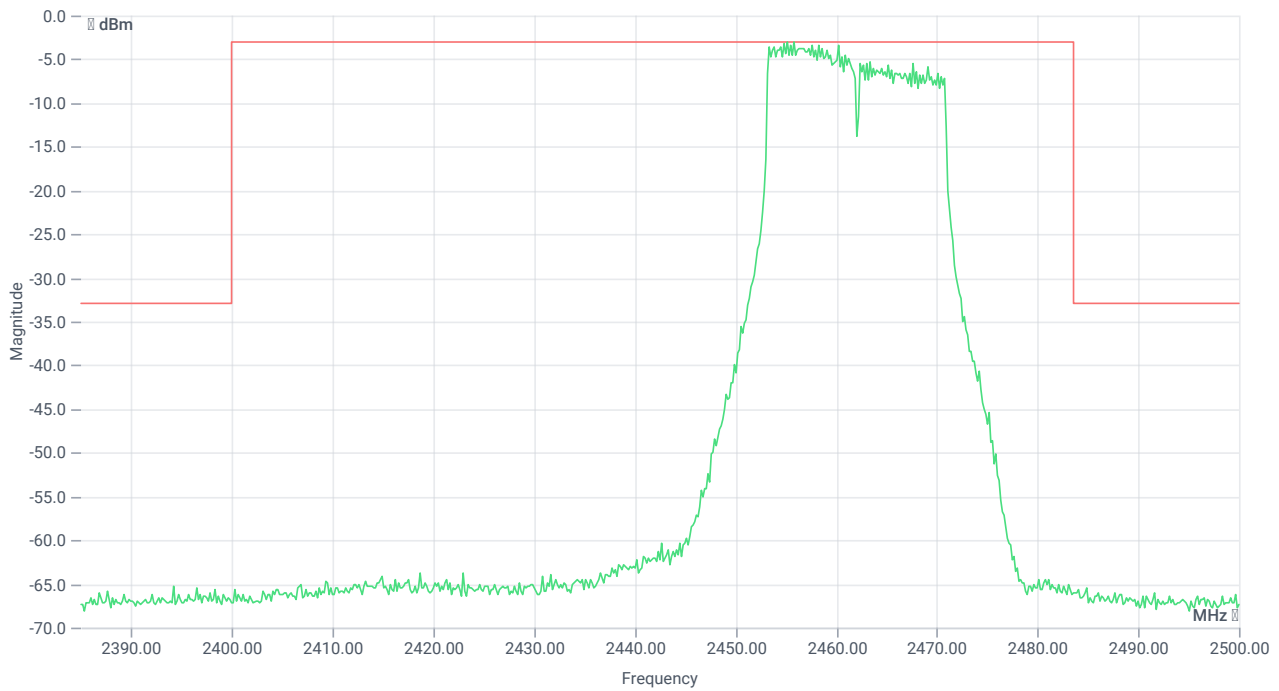
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	13.26	dBm	INFO
Ref. frequency	---	---	2456.110	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	13.26 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	---	---	-2.96	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 5795 MHz	0	---	26.16	dB	INFO

Verdict

PASS

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

References

TC start	19.05.2026 11:23:40
Ambit temp (test rack) [°C] humidity [rel%]	22.4 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

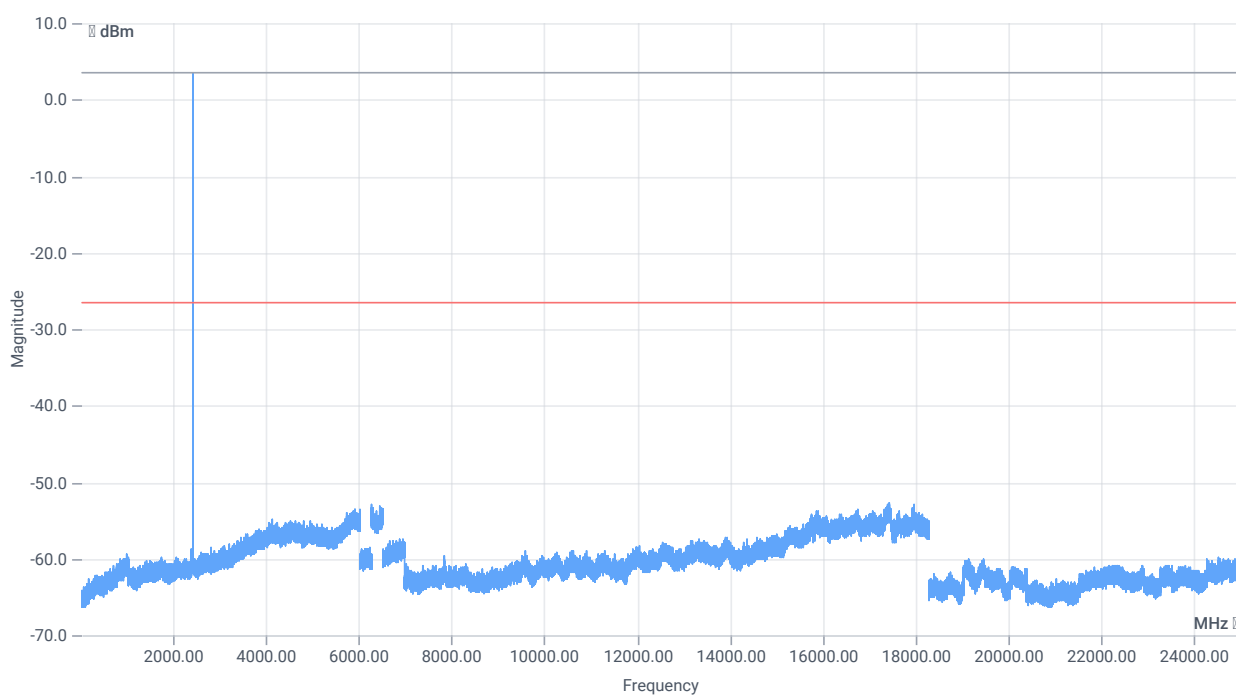
Test Parameter

Technology to test	WLAN2G4 g mode
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	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.

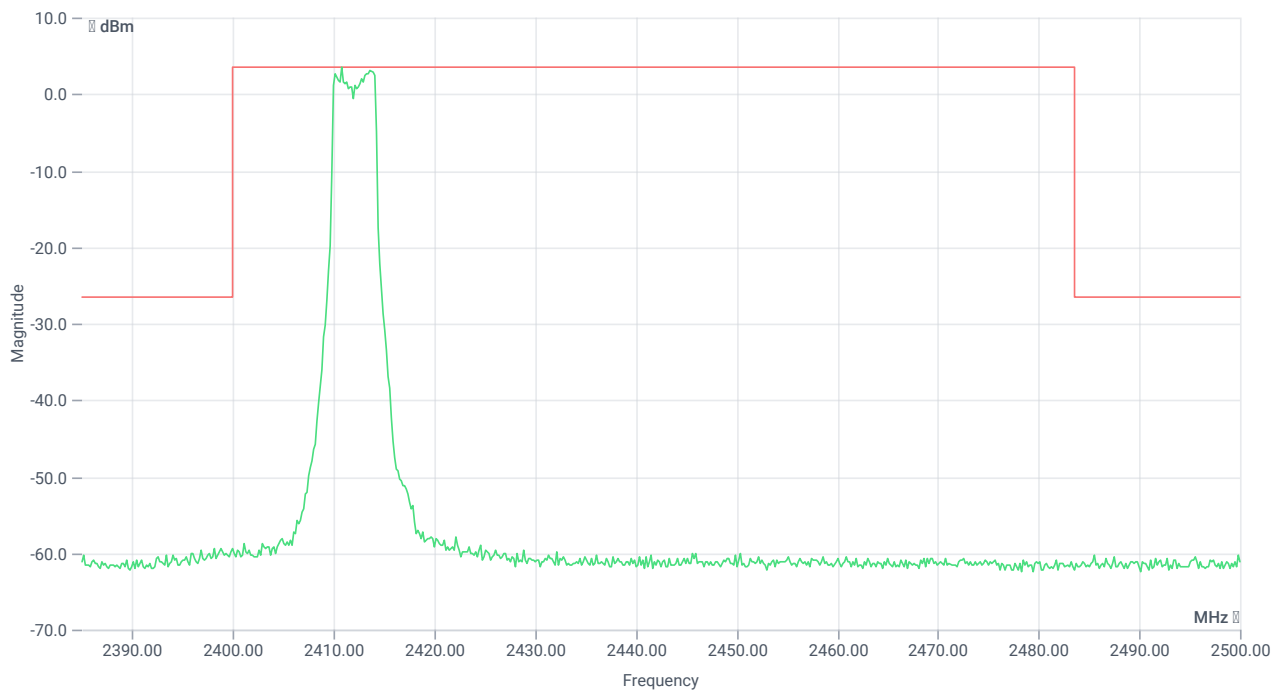
DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	18.29	dBm	INFO
Ref. frequency	---	---	2411.300	MHz	INFO



TX emissions

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	18.29 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 @ 2410.83 MHz	---	---	3.42	dBm	INFO
No peaks detected	---	---			PASS
Lowest margin to limit 17440.167 MHz	0	---	26.09	dB	INFO

Verdict

PASS

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

References

TC start	19.05.2026 11:42:03
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	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