

Conducted test results

No.1-6998-23-02-10_TR1-A201-R1

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Test Standard(s)	NA - NI FCC 15.247 - NI
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Authorized

Andreas Curette
Testing Manager
Radio Labs

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NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:40:09
Ambit temp [°C] humidity [rel%]	30.3 45
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:40:15
Ambit temp [°C] humidity [rel%]	30.3 45
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x00 0xFF 0x00 0x01
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 00 FF 00 01 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 1 Msps

References

TC start	27.06.2024 11:40:53
Ambit temp [°C] humidity [rel%]	30.3 44
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 1 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 1 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2402
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2480
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2402 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.86	dBm	INFO
Ref. frequency	---	---	2402.200	MHz	INFO

READ SA SETTINGS:

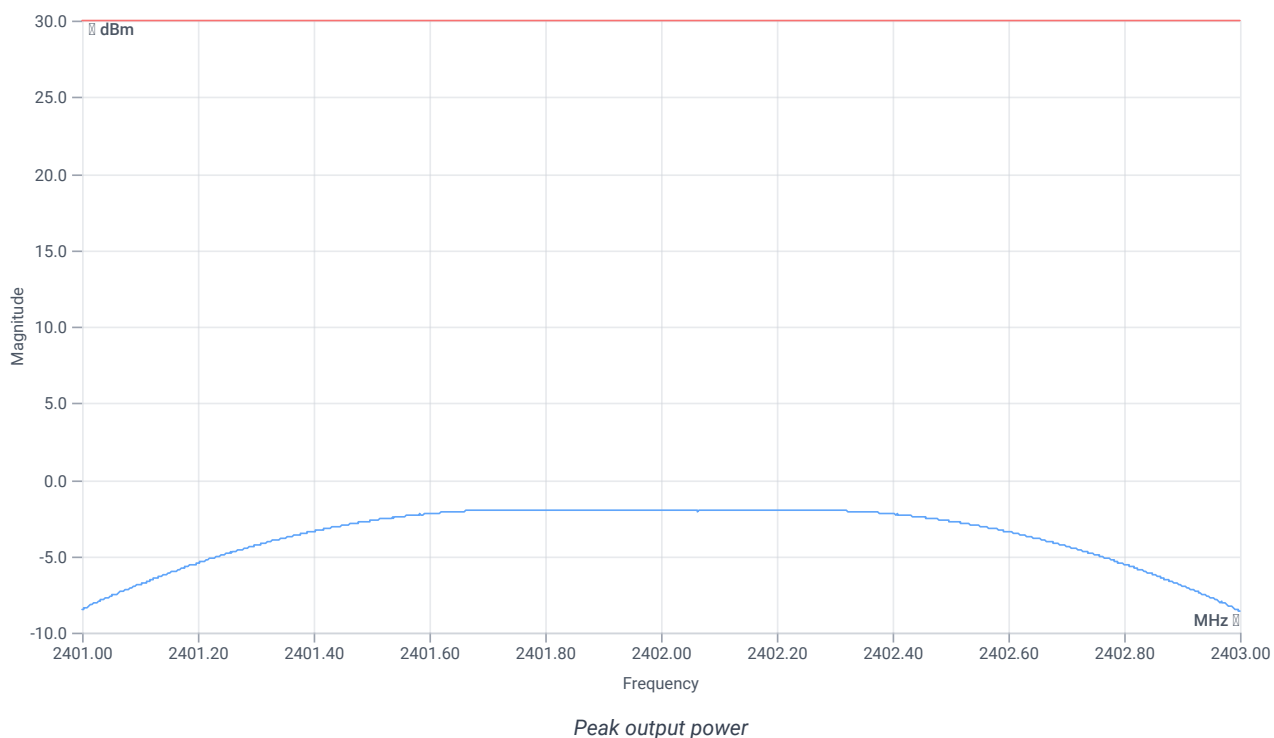
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.14 8.96 10
Start [MHz] Stop [MHz]	2401.000 2403.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	674	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.14 8.96 15
Start [MHz] Stop [MHz]	2401.000 2403.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.96	dBm	PASS
Peak power	---	1000	0.636796	mW	PASS
Frequency at peak	---	---	2401.776	MHz	INFO

Verdict

PASS

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:41:38
Ambit temp [°C] humidity [rel%]	30.3 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:41:44
Ambit temp [°C] humidity [rel%]	30.3 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x13 0xFF 0x00 0x01
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 13 FF 00 01 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 1 Msps

References

TC start	27.06.2024 11:42:22
Ambit temp [°C] humidity [rel%]	30.4 44
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 1 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 1 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2402
Frequency mid to test	True Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2480
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2440 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.79	dBm	INFO
Ref. frequency	---	---	2440.200	MHz	INFO

READ SA SETTINGS:

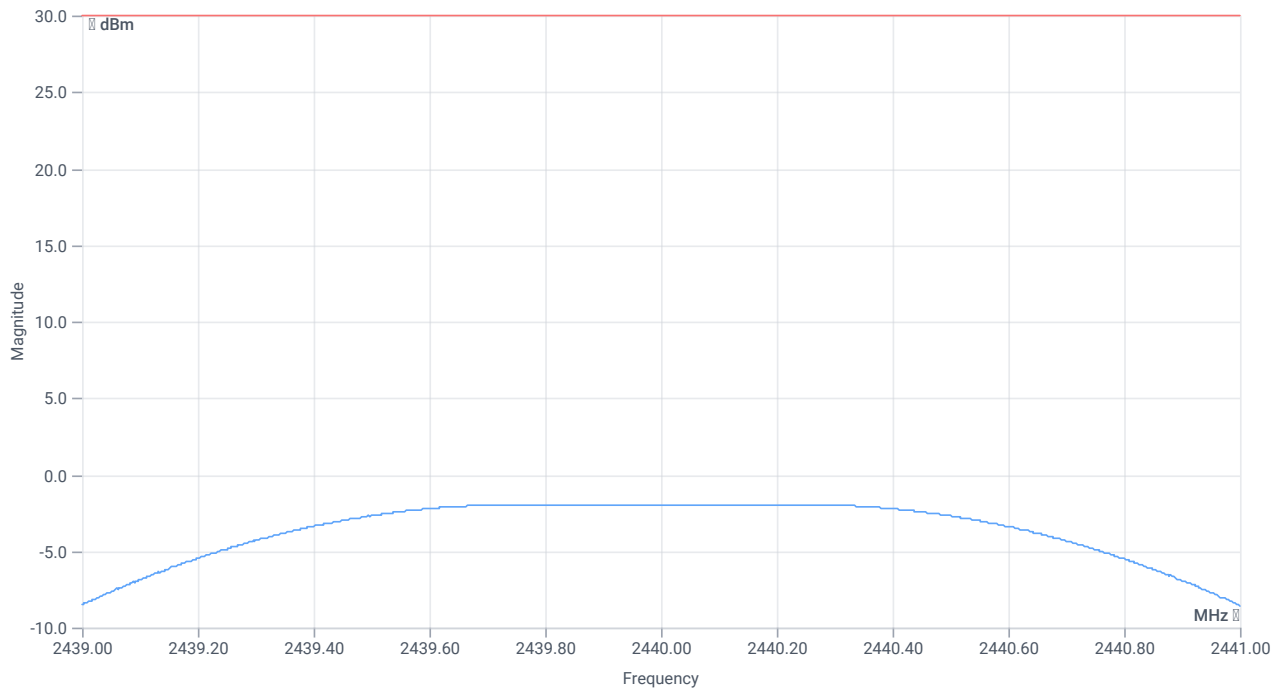
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.21 9 10
Start [MHz] Stop [MHz]	2439.000 2441.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	674	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.21 9 15
Start [MHz] Stop [MHz]	2439.000 2441.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.95	dBm	PASS
Peak power	---	1000	0.638263	mW	PASS
Frequency at peak	---	---	2440.014	MHz	INFO

Verdict

PASS

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:43:07
Ambit temp [°C] humidity [rel%]	30.4 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:43:13
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x27 0xFF 0x00 0x01
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 27 FF 00 01 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 1 Msps

References

TC start	27.06.2024 11:43:50
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 1 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 1 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2402
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	True Freq [MHz] 2480
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2480 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.89	dBm	INFO
Ref. frequency	---	---	2480.300	MHz	INFO

READ SA SETTINGS:

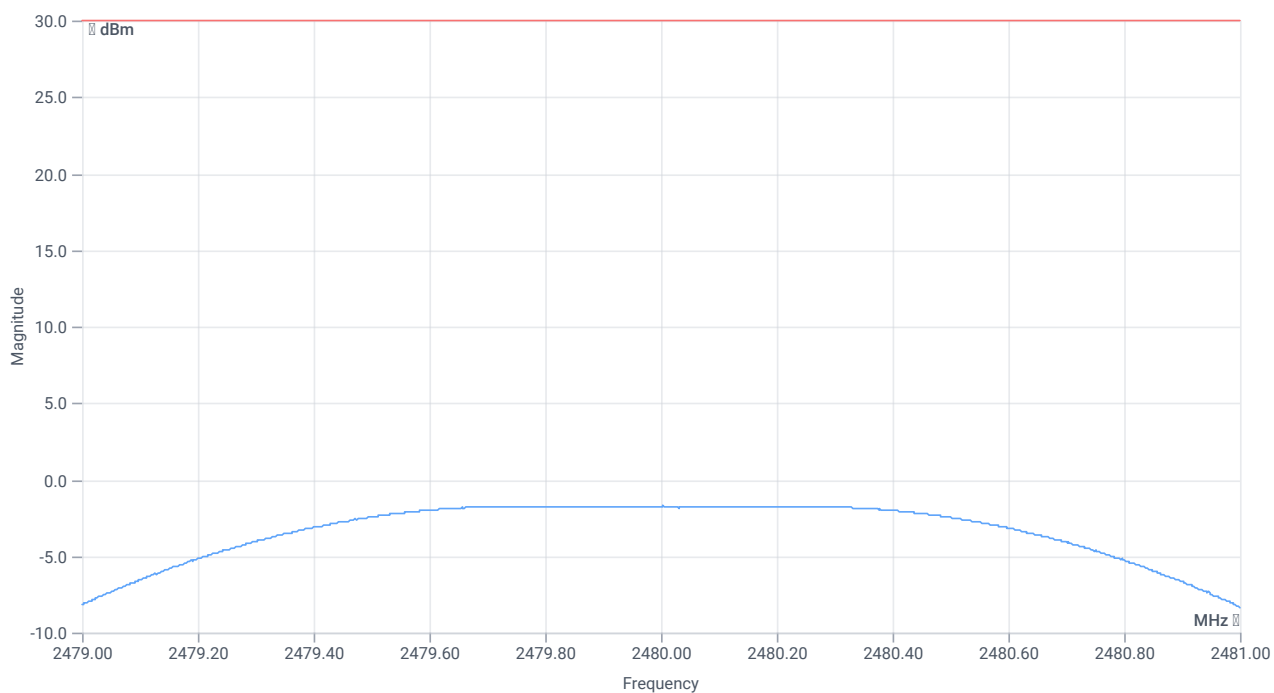
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.11 9.1 10
Start [MHz] Stop [MHz]	2479.000 2481.000
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	672	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.11 9.1 15
Start [MHz] Stop [MHz]	2479.000 2481.000
RBW [MHz] VBW [MHz]	1.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.73	dBm	PASS
Peak power	---	1000	0.671429	mW	PASS
Frequency at peak	---	---	2480.004	MHz	INFO

Verdict

PASS

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:44:35
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:44:41
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x01 0xFF 0x00 0x02
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 01 FF 00 02 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 2 Msps

References

TC start	27.06.2024 11:44:47
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 2 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 2 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	True Freq [MHz] 2404
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2478
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2404 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.88	dBm	INFO
Ref. frequency	---	---	2404.600	MHz	INFO

READ SA SETTINGS:

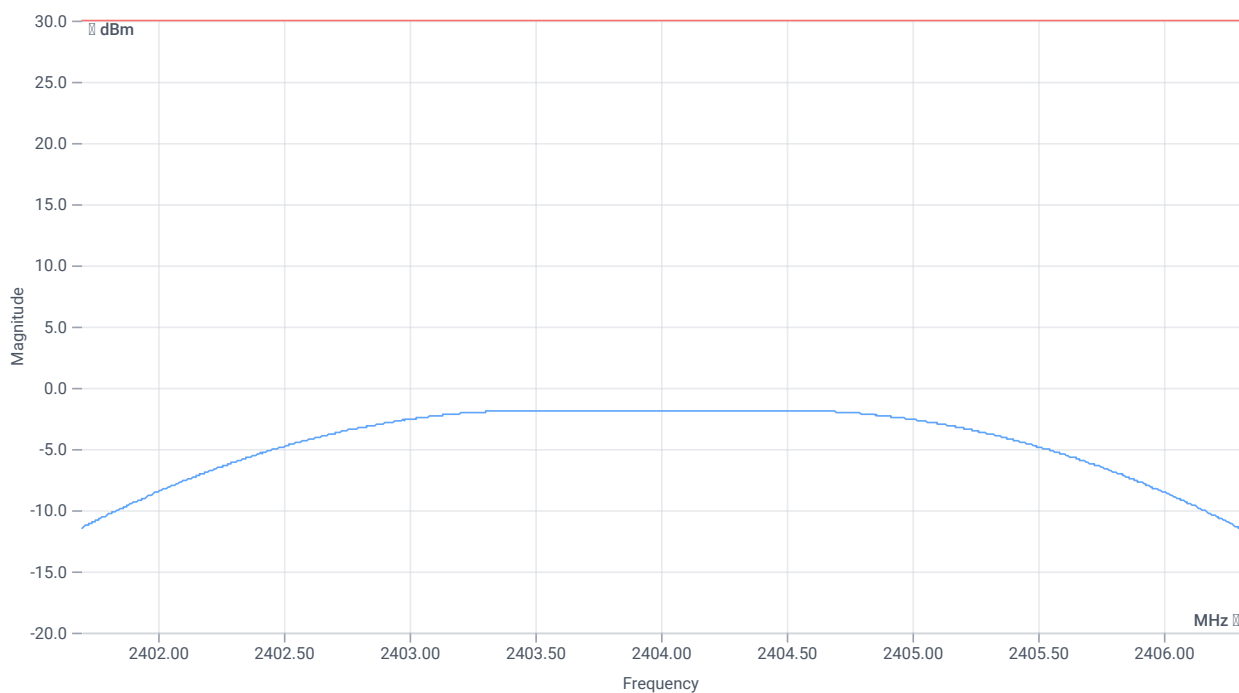
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.12 8.96 10
Start [MHz] Stop [MHz]	2401.700 2406.300
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	1173	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.12 8.96 15
Start [MHz] Stop [MHz]	2401.700 2406.300
RBW [MHz] VBW [MHz]	2.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.83	dBm	PASS
Peak power	---	1000	0.656145	mW	PASS
Frequency at peak	---	---	2403.499	MHz	INFO

Verdict

PASS

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:45:32
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:45:38
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x13 0xFF 0x00 0x02
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 13 FF 00 02 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 2 Msps

References

TC start	27.06.2024 11:45:44
Ambit temp [°C] humidity [rel%]	30.5 44
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 2 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 2 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2404
Frequency mid to test	True Freq [MHz] 2440
Frequency high to test	False Freq [MHz] 2478
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2440 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-2.00	dBm	INFO
Ref. frequency	---	---	2440.500	MHz	INFO

READ SA SETTINGS:

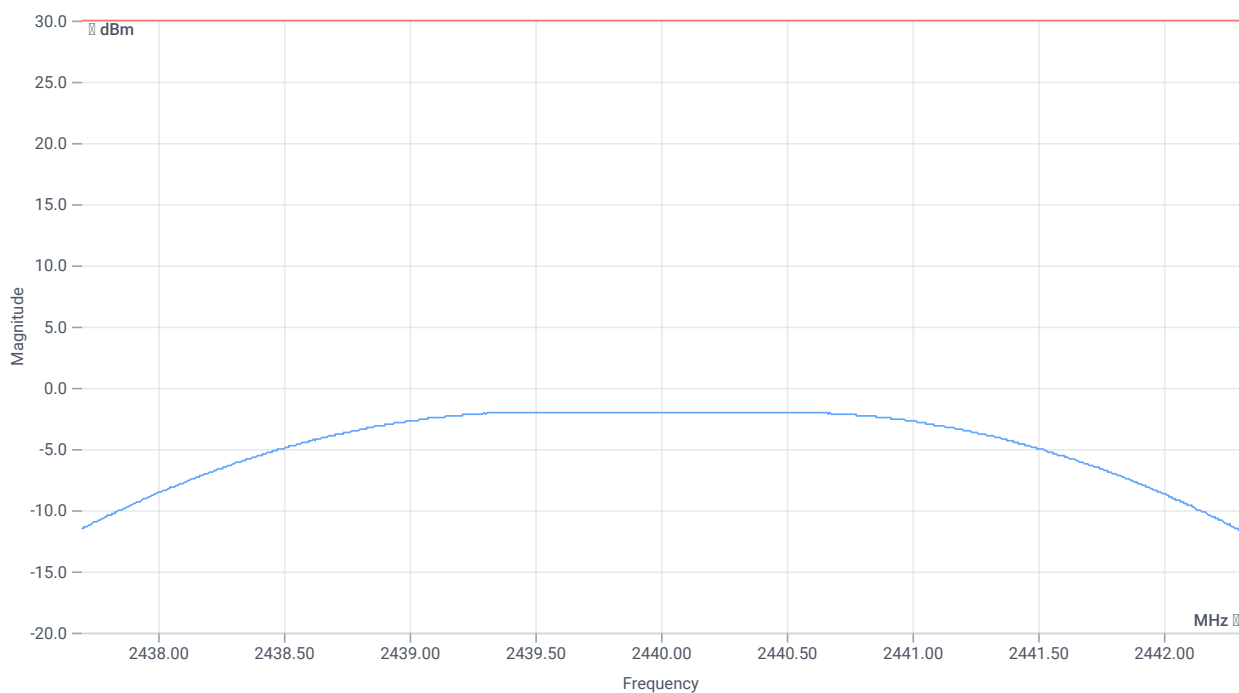
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.00 9 10
Start [MHz] Stop [MHz]	2437.700 2442.300
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	1169	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.00 9 15
Start [MHz] Stop [MHz]	2437.700 2442.300
RBW [MHz] VBW [MHz]	2.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.97	dBm	PASS
Peak power	---	1000	0.635331	mW	PASS
Frequency at peak	---	---	2439.518	MHz	INFO

Verdict

PASS

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:48:27
Ambit temp [°C] humidity [rel%]	30.6 43
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x001F
Output result	< HCI Command: ogf 0x08, ocf 0x001f, plen 0 > HCI Event: 0x0e plen 6 01 1F 20 00 00 00

Verdict

INFO

NA # Terminal communication ~ Common

References

TC start	27.06.2024 11:48:33
Ambit temp [°C] humidity [rel%]	30.6 43
System version	5.0.7.0
Standard Version	NA NI
Method	
Description	Terminal communication SSH
Information	

Test Parameter

Command	hcitool -i hci0 cmd 0x3F 0x87 0xFC
Output result	< HCI Command: ogf 0x3f, ocf 0x0087, plen 1 FC > HCI Event: 0x0e plen 4 01 87 FC 00

Test Parameter

Command	hcitool -i hci0 cmd 0x08 0x0034 0x26 0xFF 0x00 0x02
Output result	< HCI Command: ogf 0x08, ocf 0x0034, plen 4 26 FF 00 02 > HCI Event: 0x0e plen 4 01 34 20 00

Verdict

INFO

FCC 15.247 # Maximum peak conducted output power DTS ~ BT LE 2 Msps

References

TC start	27.06.2024 11:48:39
Ambit temp [°C] humidity [rel%]	30.6 43
System version	5.0.7.0
Standard Version	FCC 15.247 NI
Method	DTS: KDB 558074 D01 V05 - Chapter 8.3.1.1 RBW ≥ DTS Bandwidth
Description	FCC 15.247 Max Peak Output Power Conducted DTS - BT LE 2 Msps
Information	

EUT Common Settings BT Low Energy

Intermodulation Value N	3
Image Freq. Low Mid High [MHz]	0 0 0
Power Class	2
1 Mbps supported	True TXpayload 255 RXpayload 255
2 Mbps supported	True TXpayload 255 RXpayload 255
Longrange S8 supported	False TXpayload 255 RXpayload 255
Longrange S2 supported	False TXpayload 255 RXpayload 255
Signaling Settings	None HCI 1 2400 None S1 None On
Signaling RF Settings	RF1com 0 0 On
User Interaction	No

Equipment

Signal analyzer,Rohde&Schwarz,FSV-30,1321.3008K30/103170,3.60
Signaling unit BT,Rohde&Schwarz,CMW,1201.0002k75/102550,4.0.190
Switch matrix,cetecom advanced GmbH,USM,A001,1.0.0

Test Parameter

Technology to test	BT LE 2 Msps
EUT port	EUT1
Temperature	nom
Voltage	nom
Frequency low to test	False Freq [MHz] 2404
Frequency mid to test	False Freq [MHz] 2440
Frequency high to test	True Freq [MHz] 2478
Auto control enabled power supply Climatic Box	No No
Additional path loss [dB]	0.7

Test Parameter

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 2478 MHz

RESULT: Reference power cond.

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Ref. power 1MHz/1MHz cond.	---	---	-1.93	dBm	INFO
Ref. frequency	---	---	2478.500	MHz	INFO

READ SA SETTINGS:

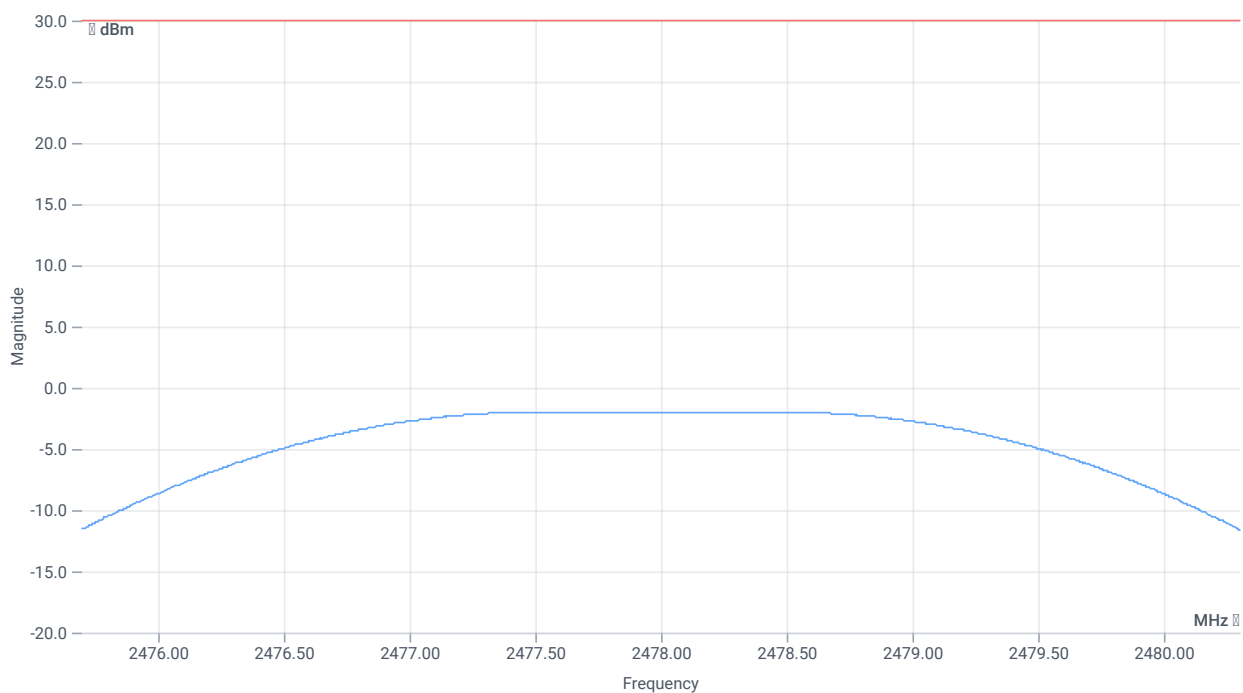
RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	3.07 9.09 10
Start [MHz] Stop [MHz]	2475.700 2480.300
RBW [MHz] VBW [MHz]	0.100000 0.300000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 10001 SWE

DTS bandwidth

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
DTS bandwidth (6dB)	---	---	1170	kHz	INFO

READ SA SETTINGS:

RefLevel [dBm] RefLevelOffset [dB] InpAtt [dB]	8.07 9.09 15
Start [MHz] Stop [MHz]	2475.700 2480.300
RBW [MHz] VBW [MHz]	2.000000 5.000000
Detector TraceMode	POS MAXH
Sweep: time [ms] count points per Section type	50 200 1001 SWE



Peak output power

RESULT

DESCRIPTION	LOWER LIMIT	UPPER LIMIT	MEASURED	UNIT	VERDICT
Peak power	---	30.00	-1.98	dBm	PASS
Peak power	---	1000	0.63387	mW	PASS
Frequency at peak	---	---	2477.481	MHz	INFO

Verdict

PASS

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