

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Carrier Frequency Separation (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

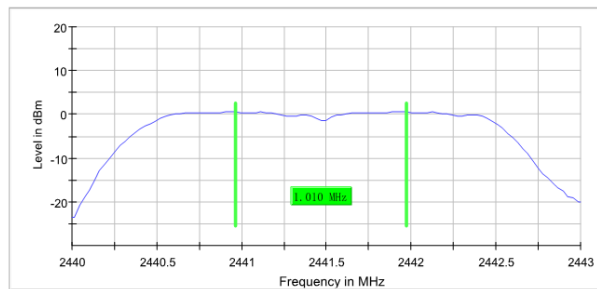
Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2441.000000	1.009901	0.893333	---	2440.965347	2441.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	10.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	16 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.03 dB	0.50 dB

FCC Part 47 §15.247 2400-2483.5 MHz 2017

Carrier Frequency Separation (2480 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

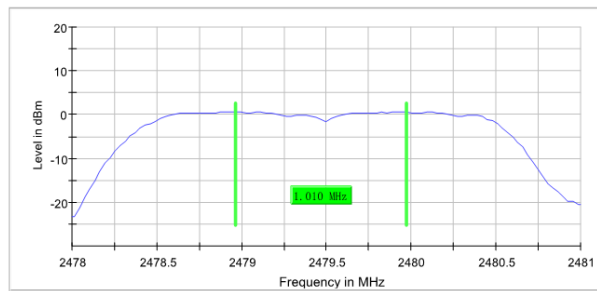
Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2480.000000	1.009901	0.890000	---	2478.965347	2479.975248

(continuation of the "Result" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

CFS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	101	~ 10
SweepTime	1.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	Sweep
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	14 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.19 dB	0.50 dB

Appendix B.4: Test Results of Number of Hopping Frequency

BR mode (GFSK)

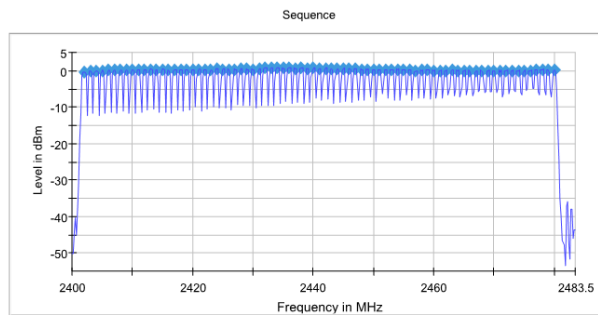
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Hopping Frequencies (frequency independent; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a),(g), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Channels

Channels	Limit Min	Limit Max	Result
79	15	---	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	200.000 kHz	<= 299.000 kHz
VBW	200.000 kHz	>= 200.000 kHz
SweepPoints	418	~ 418
SweepTime	1.060 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	38 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.50 dB

EDR mode (8DPSK)

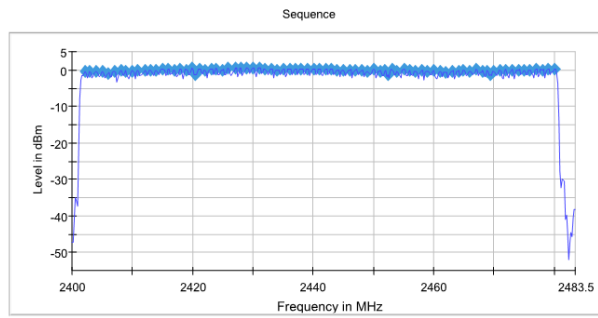
FCC Part 47 §15.247 2400-2483.5 MHz 2017

Hopping Frequencies (frequency independent; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a),(g), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Channels

Channels	Limit Min	Limit Max	Result
82	15	---	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40000 GHz	2.40000 GHz
Stop Frequency	2.48350 GHz	2.48350 GHz
Span	83.500 MHz	83.500 MHz
RBW	200.000 kHz	<= 299.000 kHz
VBW	200.000 kHz	>= 200.000 kHz
SweepPoints	418	~ 418
SweepTime	1.060 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	100	100
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	80 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.37 dB	0.50 dB

Appendix B.5: Test Results of Time of Occupancy

BR mode (GFSK)

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Time of Channel Occupancy (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	319	75.660	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
2.500	198.750	98.620

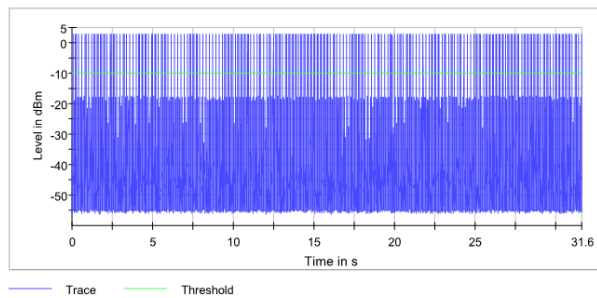
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.23	0.24	400.000	0.000	0.236

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.23	0.24	0.236

Time of Channel Occupancy



Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

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Time of Channel Occupancy(2) (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	165	246.900	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
5.000	980.000	191.615

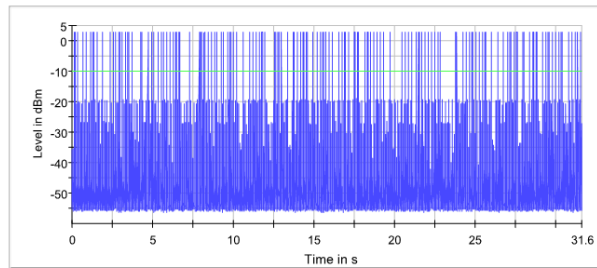
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
1.480	1.490	400.000	0.000	1.487

DwellTime

Min (ms)	Max (ms)	Mean (ms)
1.480	1.490	1.487

Time of Channel Occupancy(2)



Trace Threshold

Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

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Time of Channel Occupancy(3) (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	97	268.210	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
22.500	1563.740	319.491

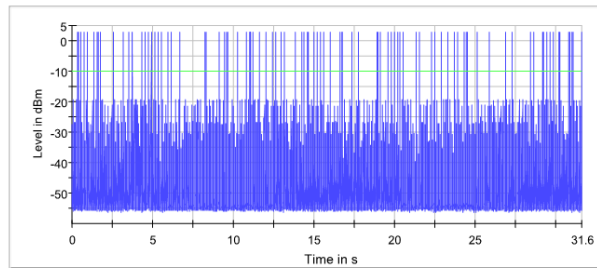
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
2.730	2.740	400.000	0.000	2.737

DwellTime

Min (ms)	Max (ms)	Mean (ms)
2.730	2.740	2.737

Time of Channel Occupancy(3)



Trace Threshold

Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

EDR mode (8DPSK)

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Time of Channel Occupancy (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	319	74.740	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
5.000	195.000	98.801

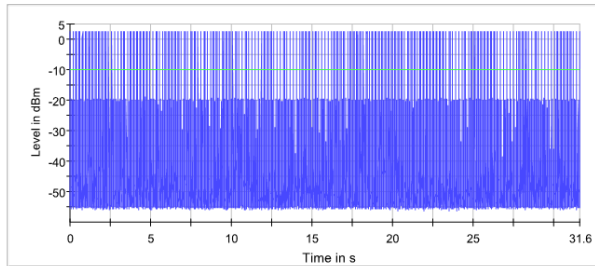
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.21	0.24	400.000	0.000	0.234

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.22	0.24	0.235

Time of Channel Occupancy



Trace Threshold

Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

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Time of Channel Occupancy(2) (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	157	232.220	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
5.000	607.500	200.063

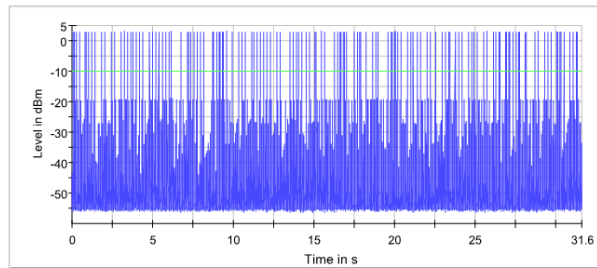
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
1.440	1.490	400.000	0.000	1.470

DwellTime

Min (ms)	Max (ms)	Mean (ms)
1.480	1.490	1.487

Time of Channel Occupancy(2)



Trace Threshold

Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

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Time of Channel Occupancy(3) (2441 MHz; 10.000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	113	308.420	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
7.500	1177.500	280.077

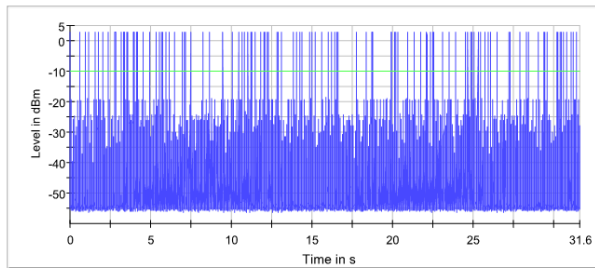
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
2.660	2.730	400.000	0.000	2.705

DwellTime

Min (ms)	Max (ms)	Mean (ms)
2.720	2.750	2.734

Time of Channel Occupancy(3)



Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
SweepTime	31.600 s	31.600 s
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
SweepType	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 s	0.000 s

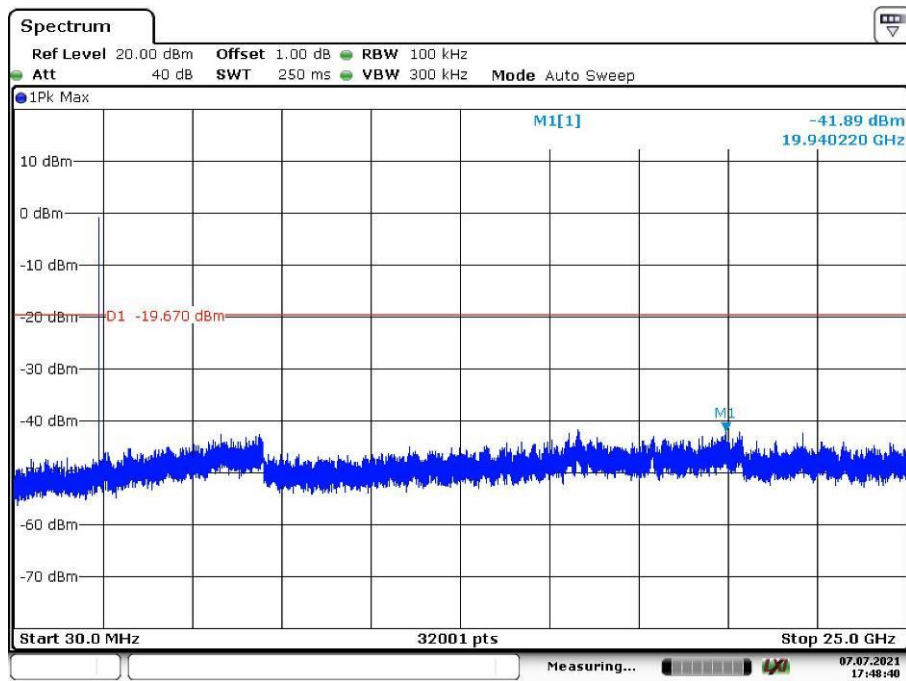
OSP

Setting	Instrument Value	Target Value
Measurement Time	31.600 s	31.600 s
Tracepoints	31600000	31600000
Time resolution	1.000 µs	1.000 µs
Detector	RMS	RMS

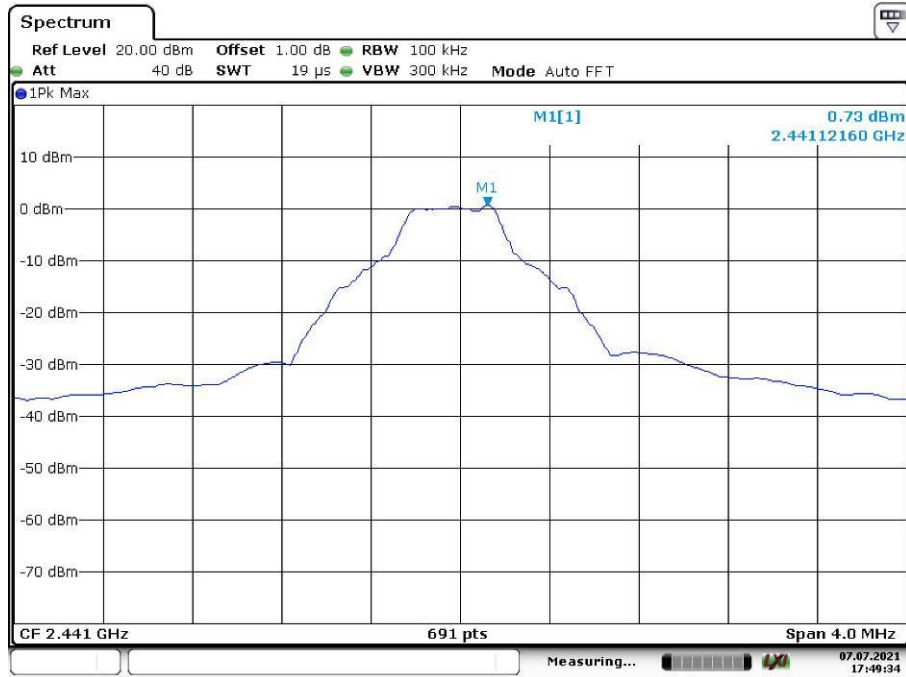
Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

BR mode (GFSK)

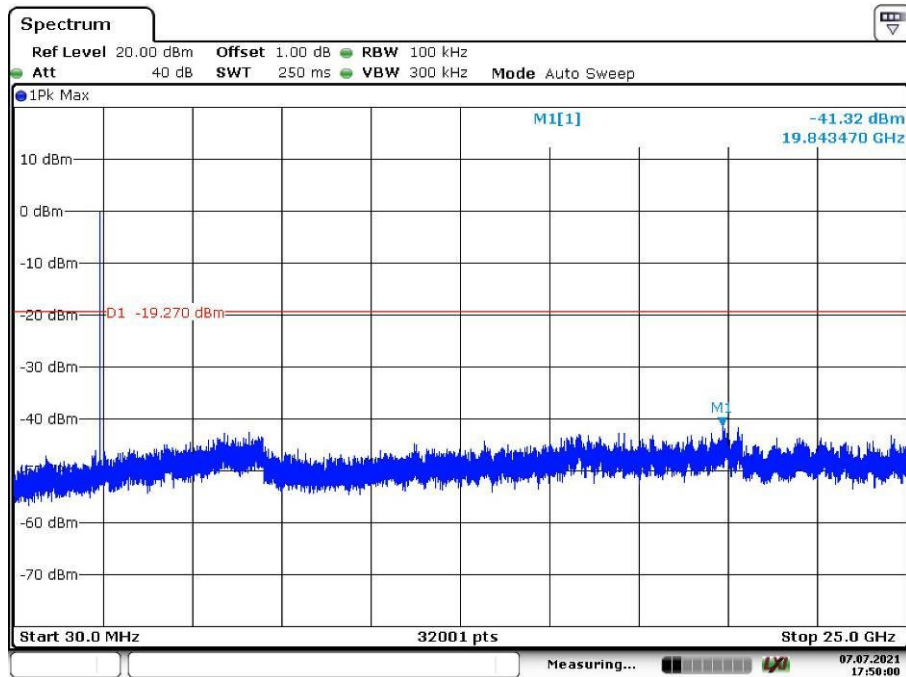
Low Channel



Middle Channel

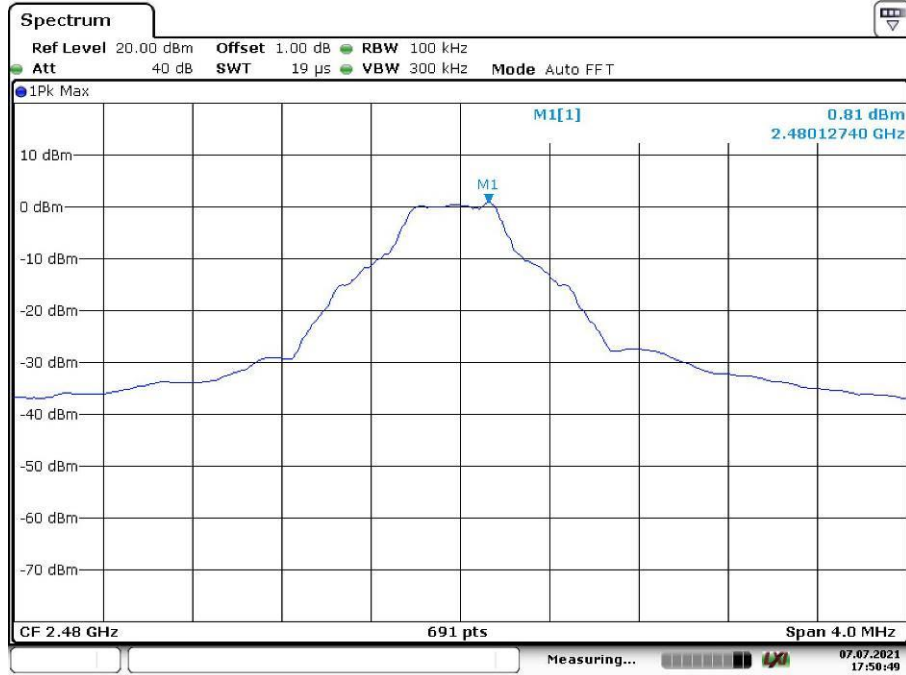


Date: 7.JUL.2021 17:49:34

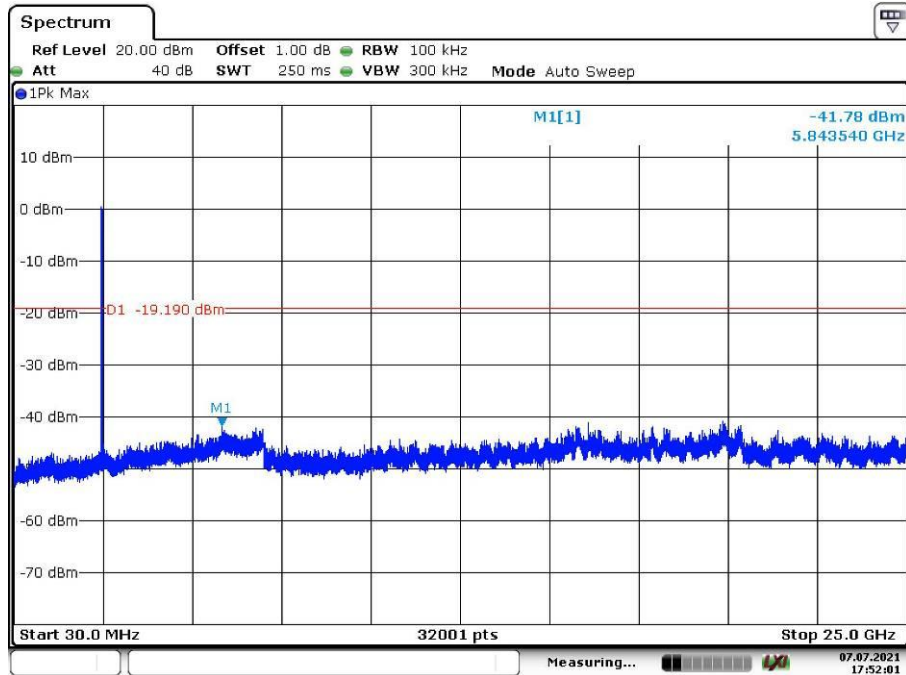


Date: 7.JUL.2021 17:50:00

High Channel

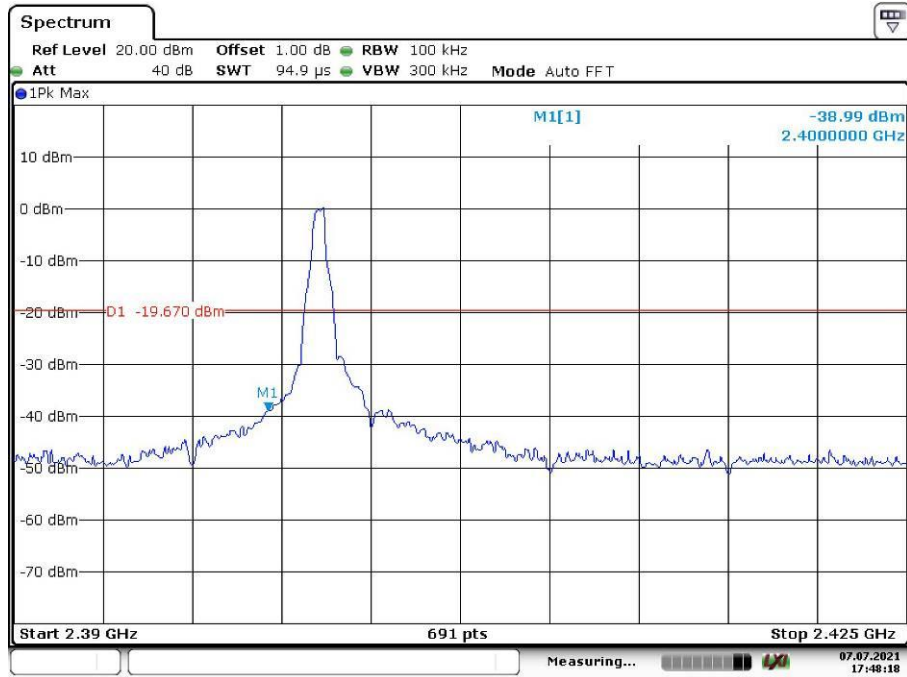


Date: 7.JUL.2021 17:50:49



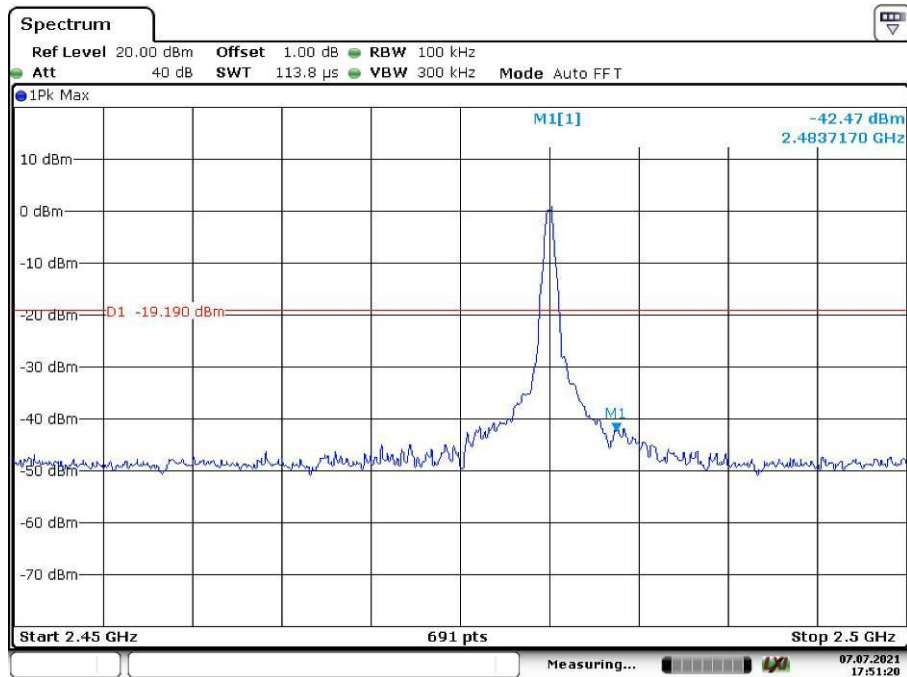
Date: 7.JUL.2021 17:52:02

Band Edge, Low Channel



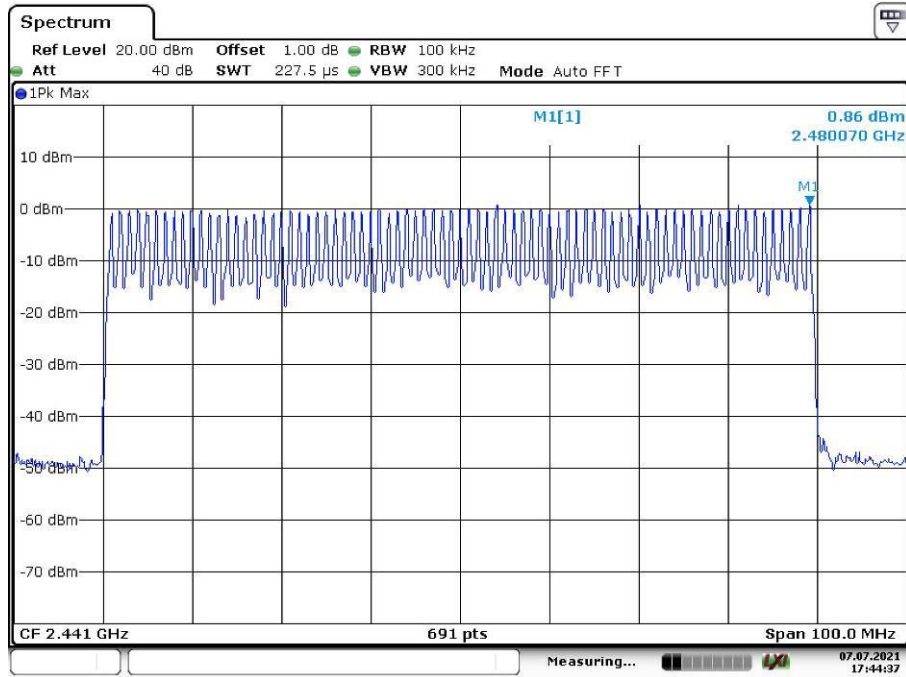
Date: 7.JUL.2021 17:48:18

Band Edge, High Channel

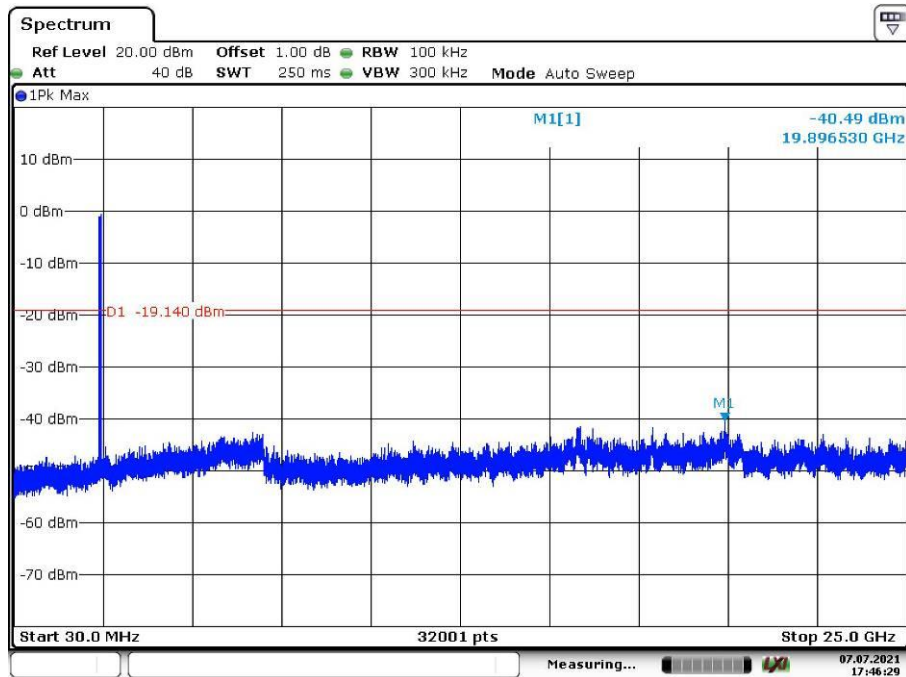


Date: 7.JUL.2021 17:51:20

Hopping Mode

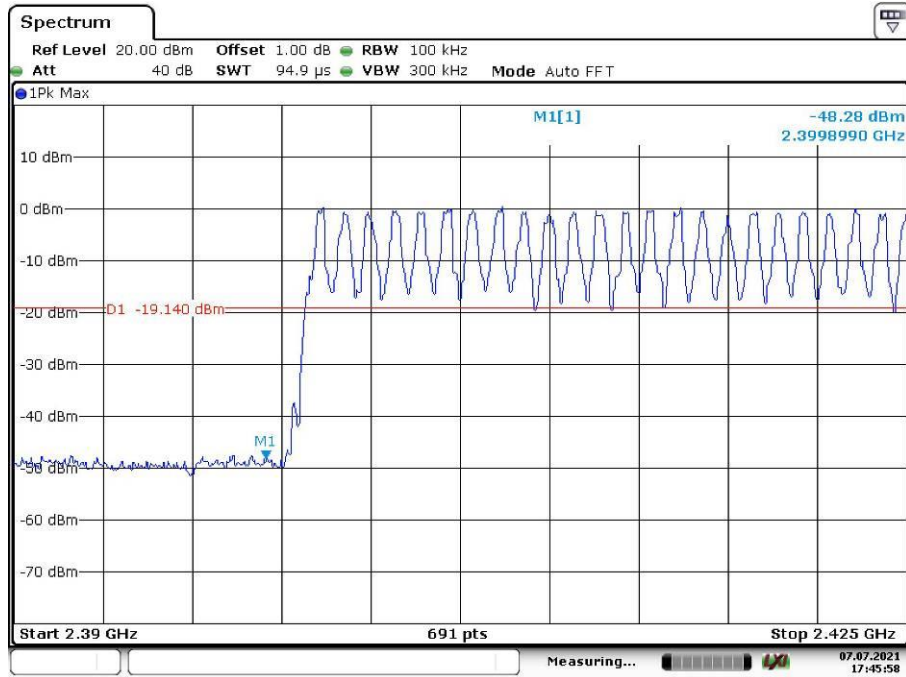


Date: 7.JUL.2021 17:44:37



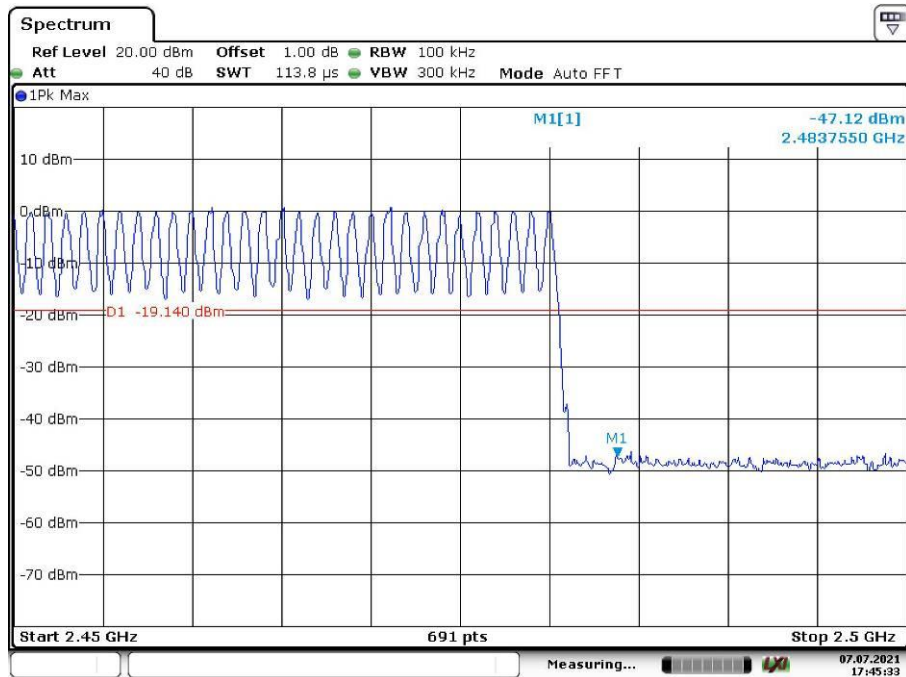
Date: 7.JUL.2021 17:46:29

Band Edge, Hopping Mode, Low Channel



Date: 7.JUL.2021 17:45:58

Band Edge, Hopping Mode, High Channel



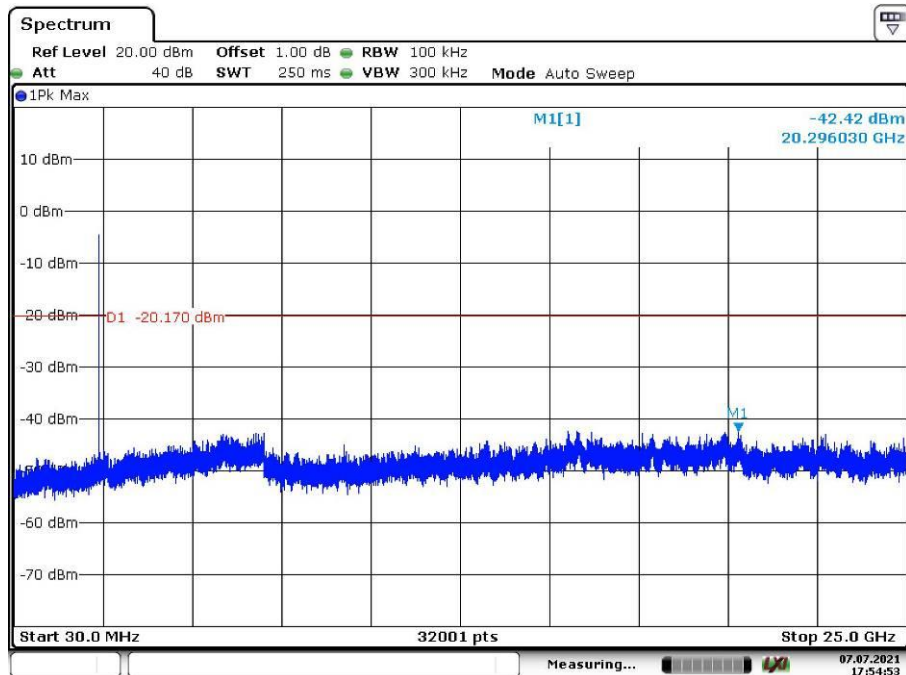
Date: 7.JUL.2021 17:45:33

EDR mode (8DPSK)

Low Channel



Date: 7.JUL.2021 17:53:55

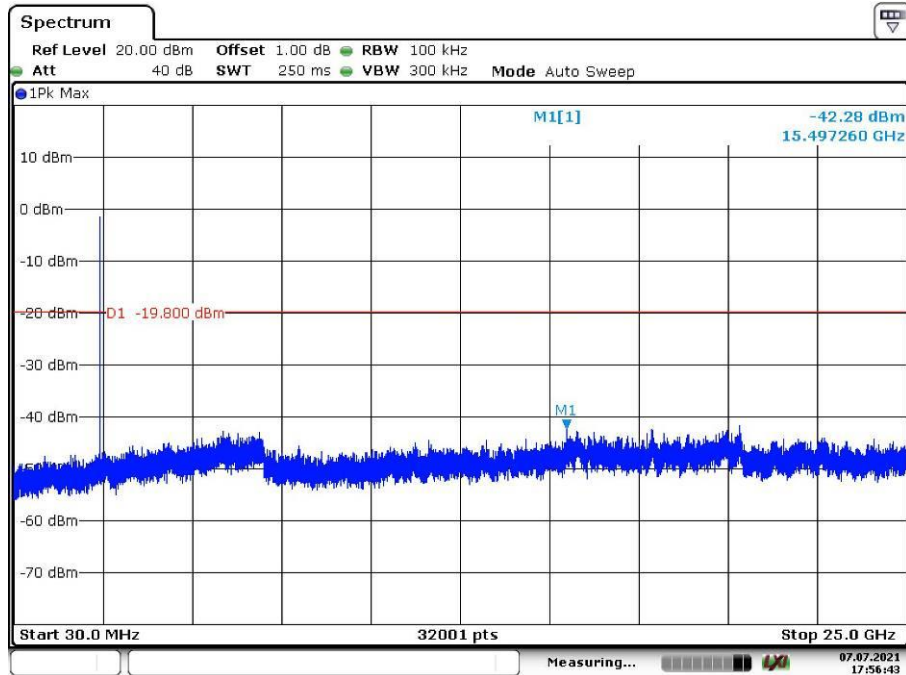


Date: 7.JUL.2021 17:54:53

Middle Channel



Date: 7.JUL.2021 17:56:22

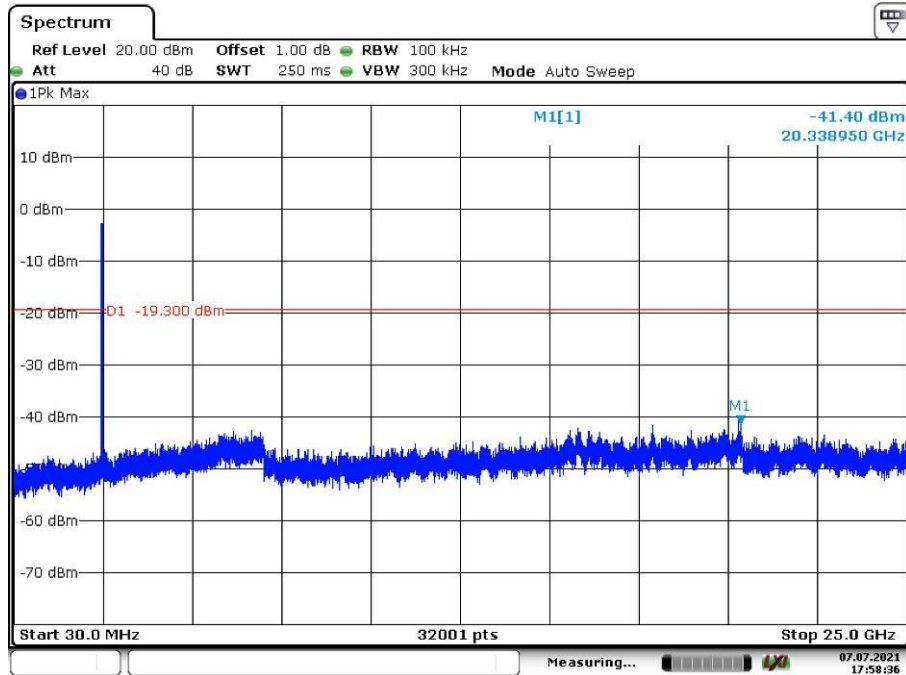


Date: 7.JUL.2021 17:56:43

High Channel

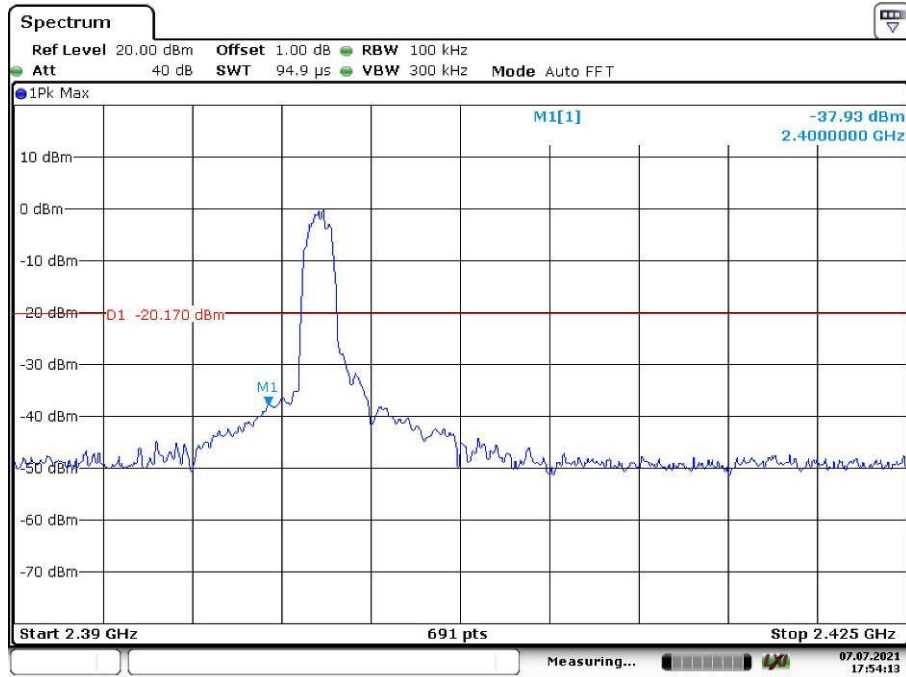


Date: 7.JUL.2021 17:57:22



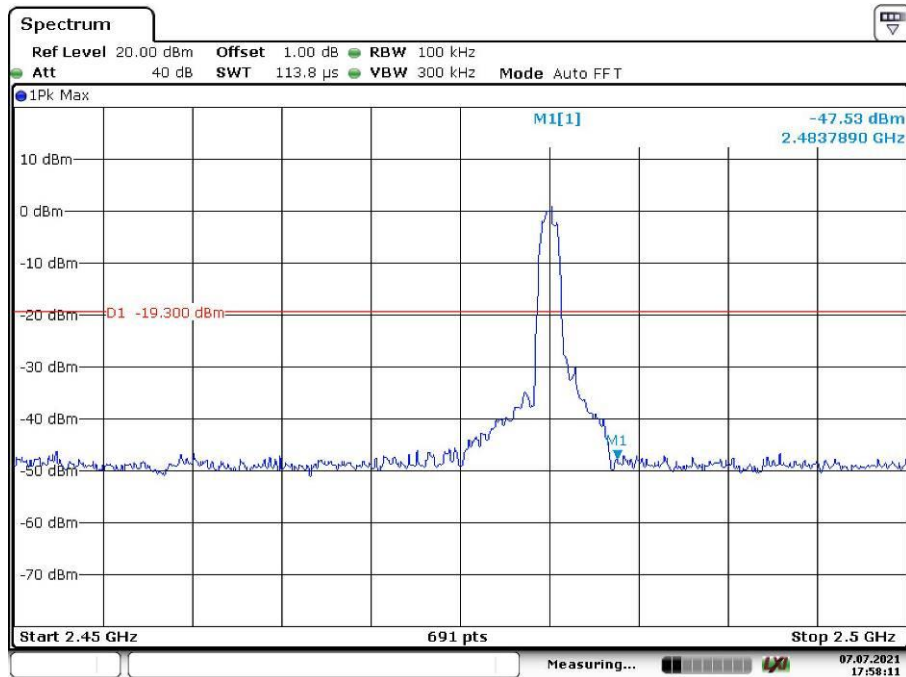
Date: 7.JUL.2021 17:58:36

Band Edge, Low Channel



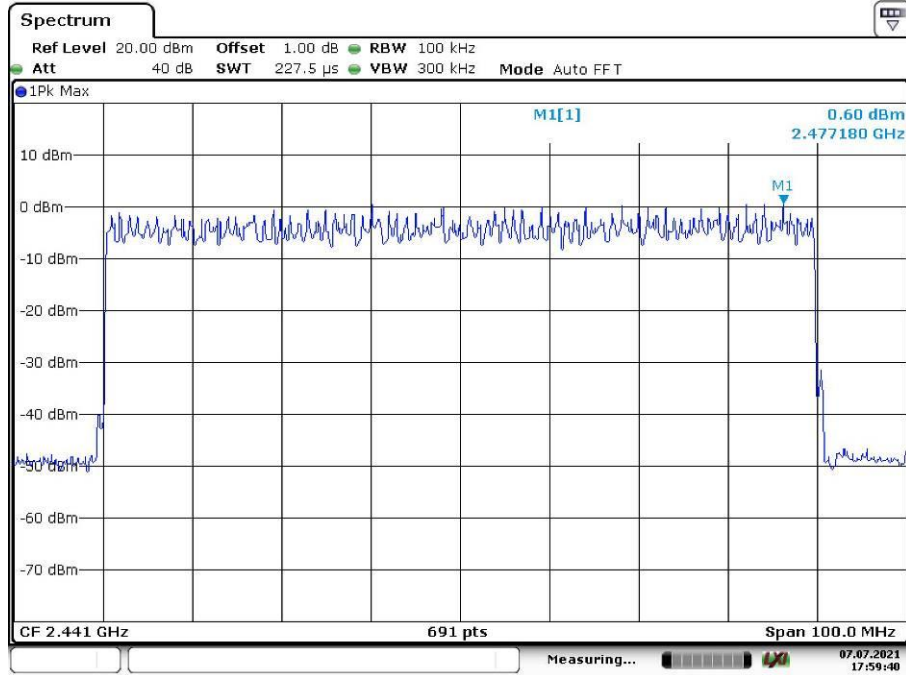
Date: 7.JUL.2021 17:54:14

Band Edge, High Channel

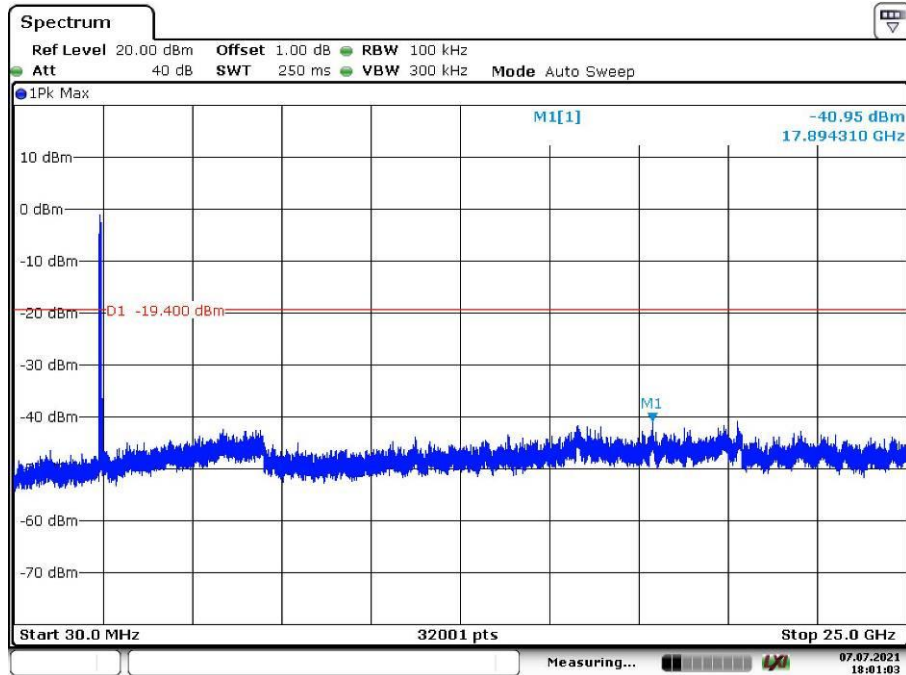


Date: 7.JUL.2021 17:58:12

Hopping Mode

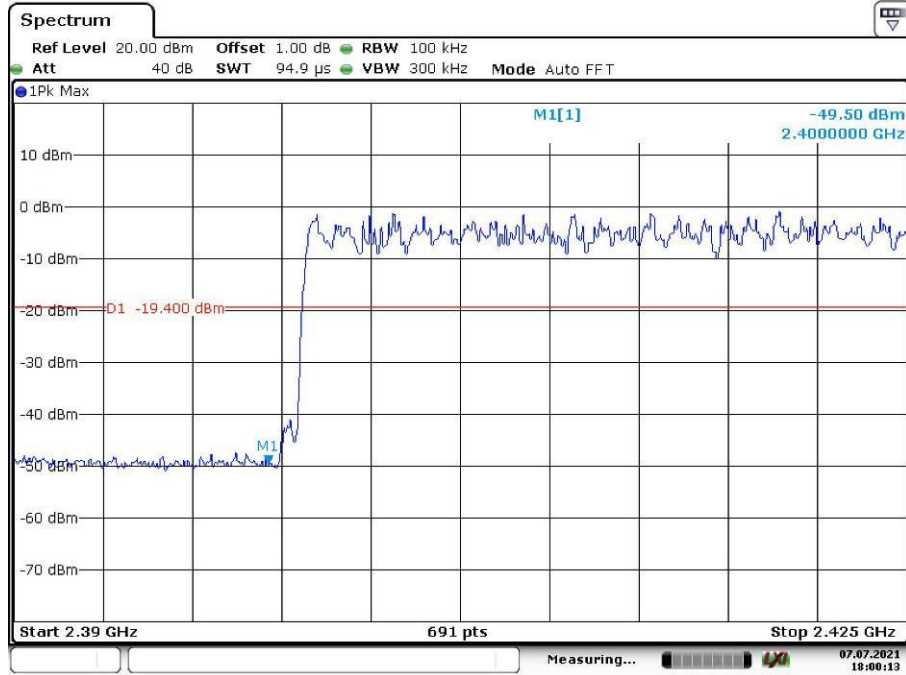


Date: 7.JUL.2021 17:59:40

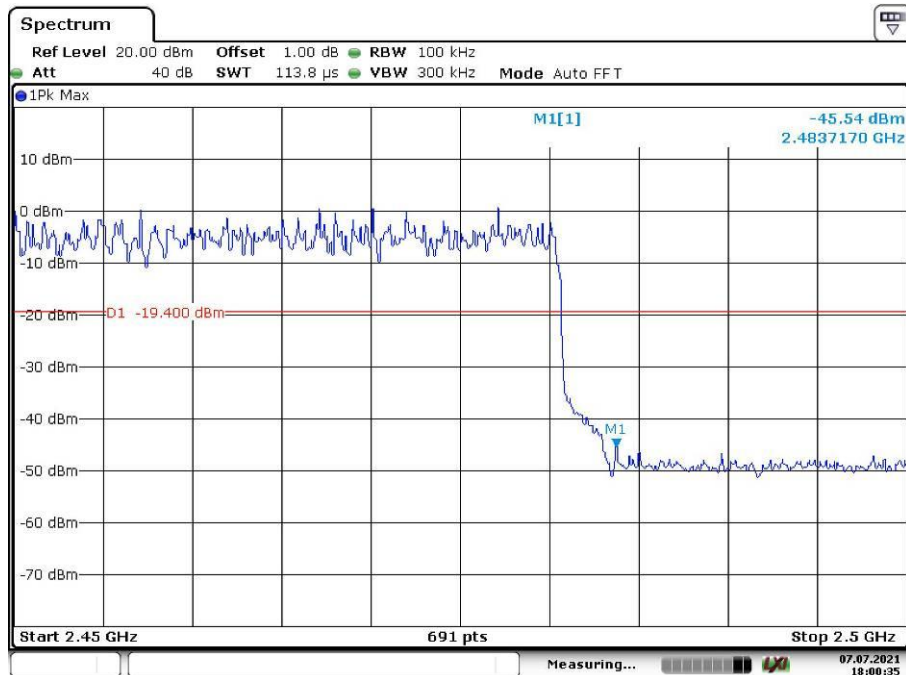


Date: 7.JUL.2021 18:01:03

Band Edge, Hopping Mode, Low Channel



Band Edge, Hopping Mode, High Channle



Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

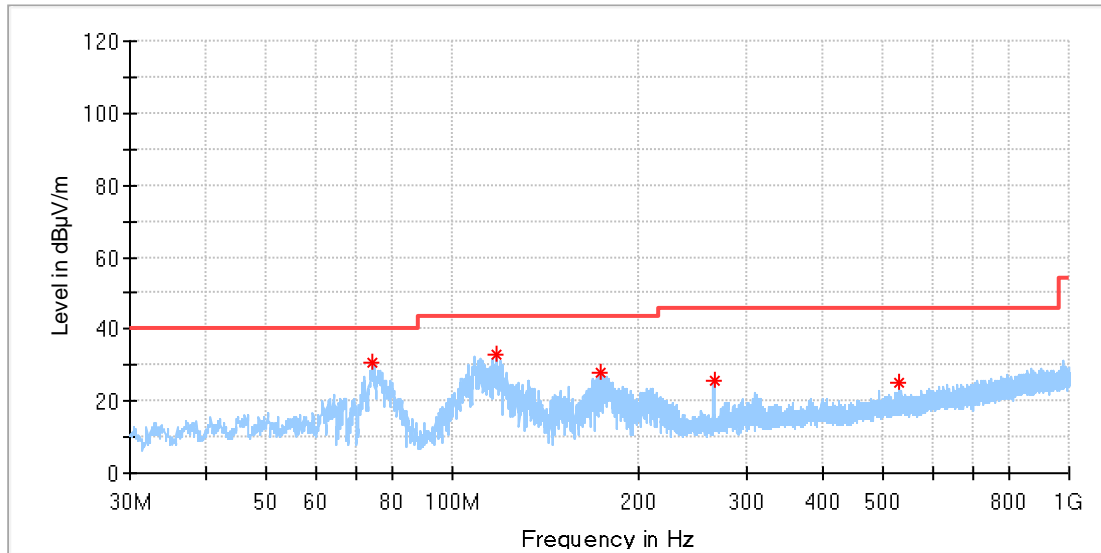
Appendix B.7: Test Results of Radiated Spurious Emissions

Note: This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	BT & WLAN Module
Model:	BTWDB01
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 3.3V
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

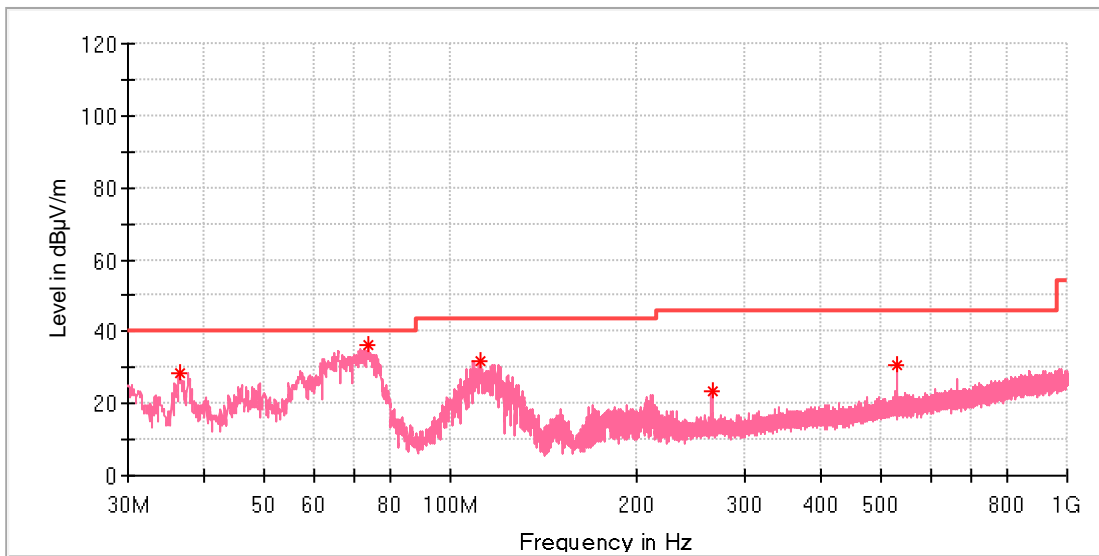


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.377500	30.81	40.00	9.19	100.0	H	233.0	-23.2
117.833500	32.90	43.50	10.60	100.0	H	258.0	-20.3
173.269000	28.00	43.50	15.50	100.0	H	347.0	-21.0
265.273500	25.84	46.00	20.16	100.0	H	266.0	-17.0
530.520000	24.94	46.00	21.06	100.0	H	200.0	-11.3

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage:: DC 3.3V
 Remark: Temp 24 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

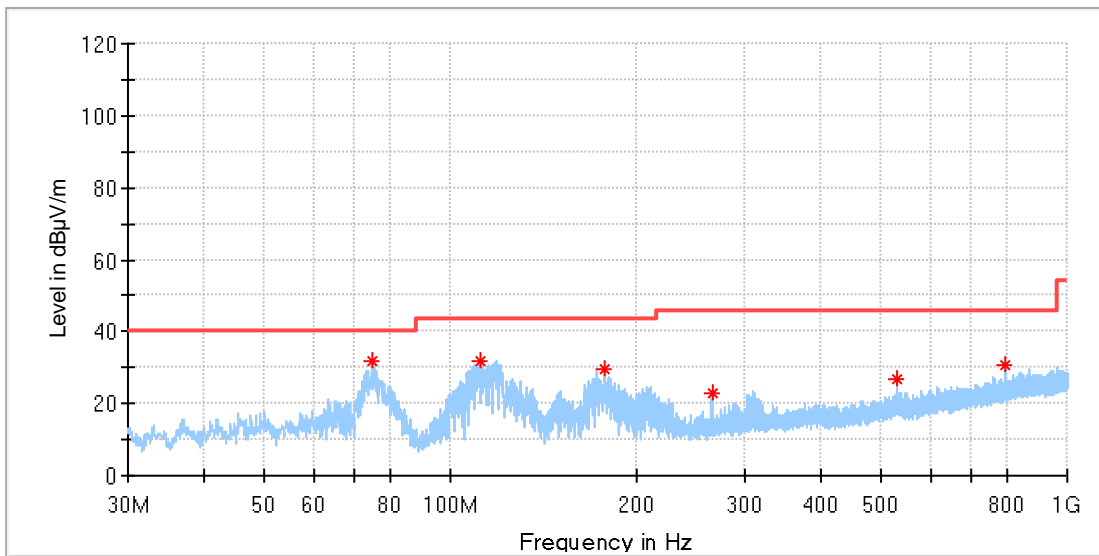


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
36.305000	28.68	40.00	11.32	100.0	V	158.0	-21.5
73.504500	36.15	40.00	3.85	100.0	V	256.0	-23.0
111.480000	31.97	43.50	11.53	100.0	V	292.0	-19.3
265.273500	23.39	46.00	22.61	100.0	V	0.0	-17.0
530.520000	30.92	46.00	15.08	100.0	V	67.0	-11.3

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 24 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

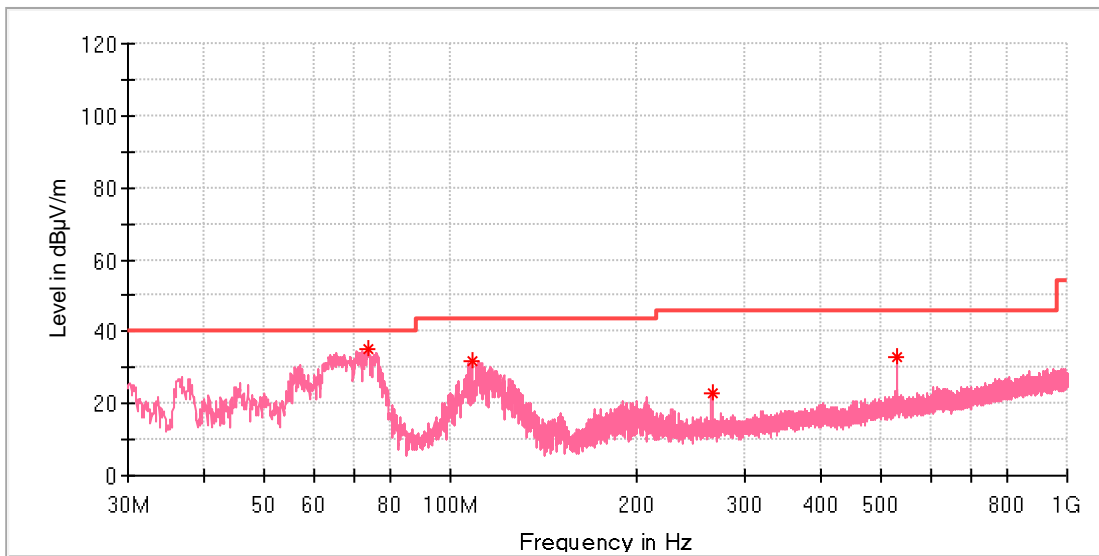


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
74.523000	31.65	40.00	8.35	100.0	H	223.0	-23.3
111.674000	32.01	43.50	11.49	100.0	H	242.0	-19.3
178.022000	29.62	43.50	13.88	100.0	H	334.0	-20.7
265.273500	22.84	46.00	23.16	100.0	H	242.0	-17.0
530.520000	26.86	46.00	19.14	100.0	H	135.0	-11.3
795.766500	30.61	46.00	15.39	100.0	H	106.0	-6.4

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 24 Humi:47%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



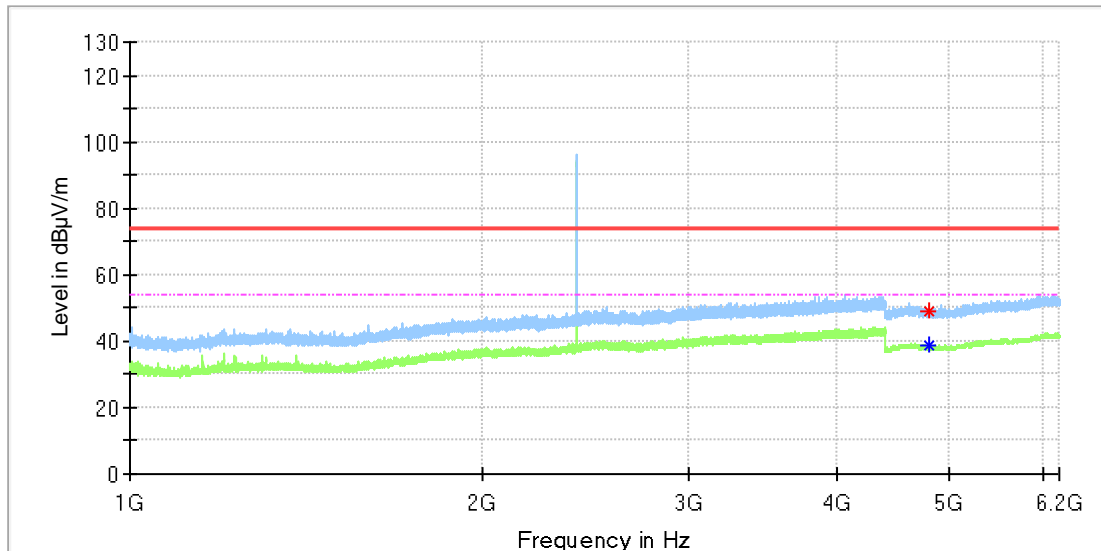
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
73.504500	35.11	40.00	4.89	100.0	V	236.0	-23.0
108.182000	31.70	43.50	11.80	100.0	V	312.0	-18.9
265.273500	22.83	46.00	23.17	100.0	V	0.0	-17.0
530.520000	33.03	46.00	12.98	100.0	V	11.0	-11.3

1GHz - 18GHz
 Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	BT & WLAN Module
Model:	BTWDB01
Test Mode:	BR_DH5_Low channel
Test Voltage::	DC 3.3V
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

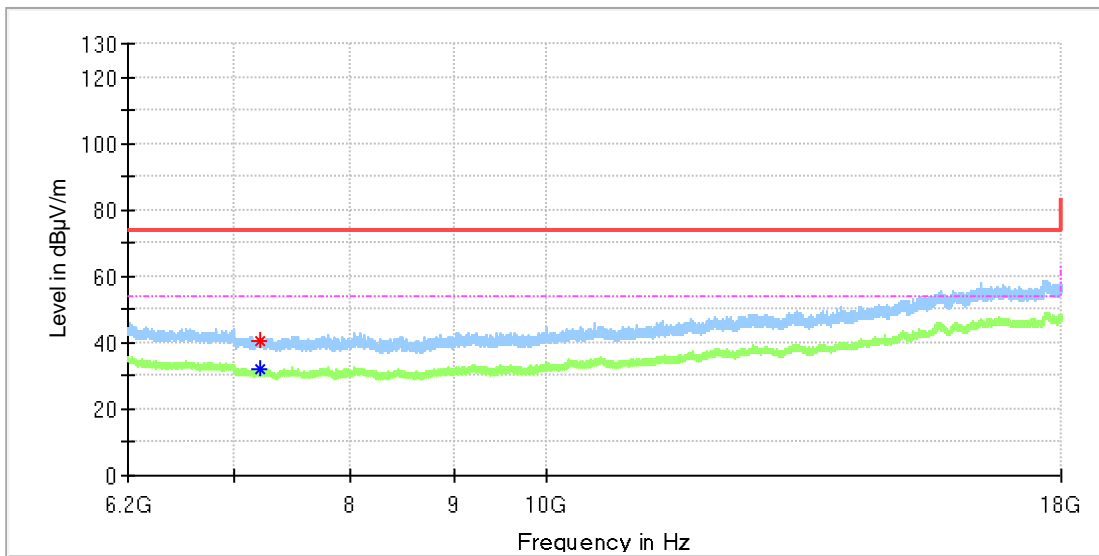


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	49.03	--	74.00	24.97	100.0	H	251.0	11.8
4803.500000	--	38.59	54.00	15.41	100.0	H	295.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

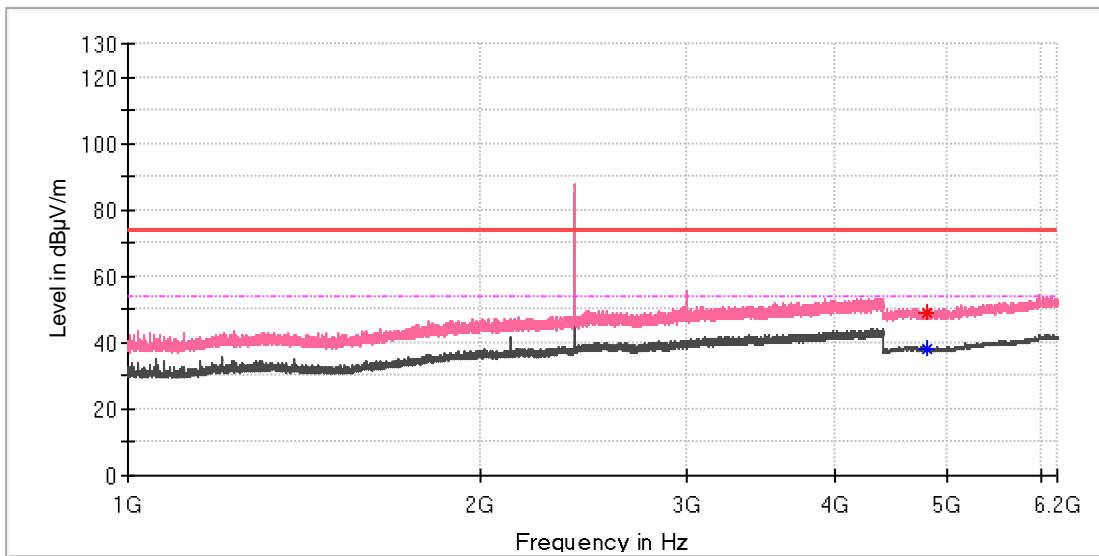


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7210.866667	—	32.05	54.00	21.95	100.0	H	347.0	8.7
7218.241667	40.81	—	74.00	33.19	100.0	H	321.0	8.7

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

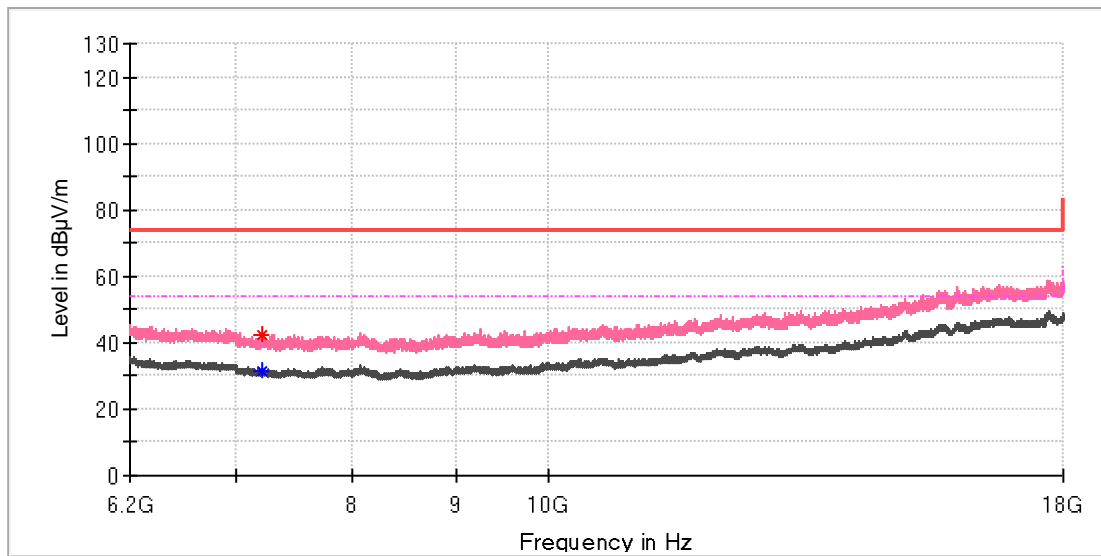


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.500000	—	38.22	54.00	15.78	100.0	V	265.0	11.8
4807.000000	49.26	—	74.00	24.74	100.0	V	171.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

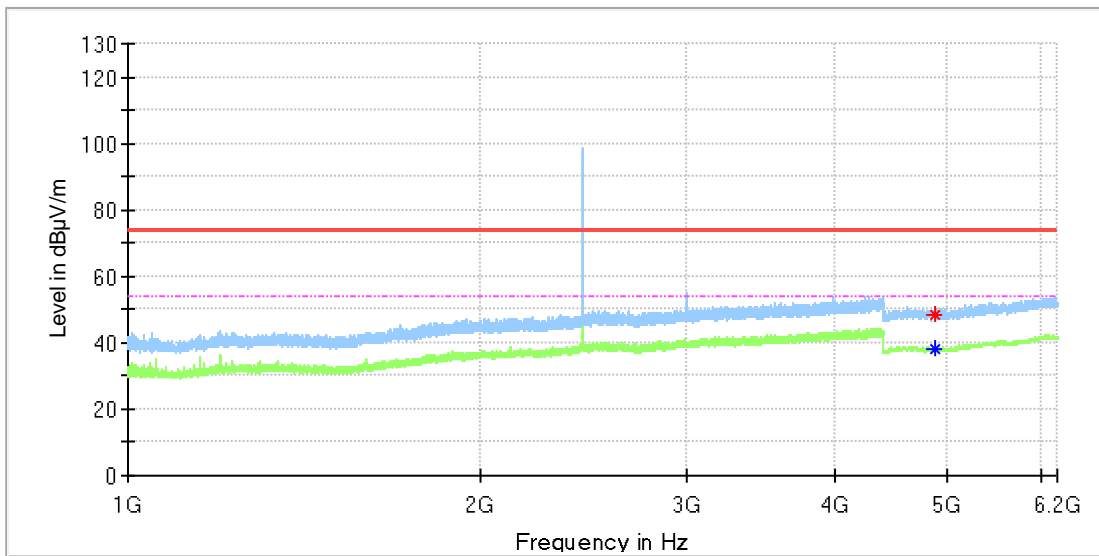


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7206.933333	—	31.58	54.00	22.42	100.0	V	226.0	8.8
7215.783333	42.24	—	74.00	31.76	100.0	V	140.0	8.7

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Mid channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

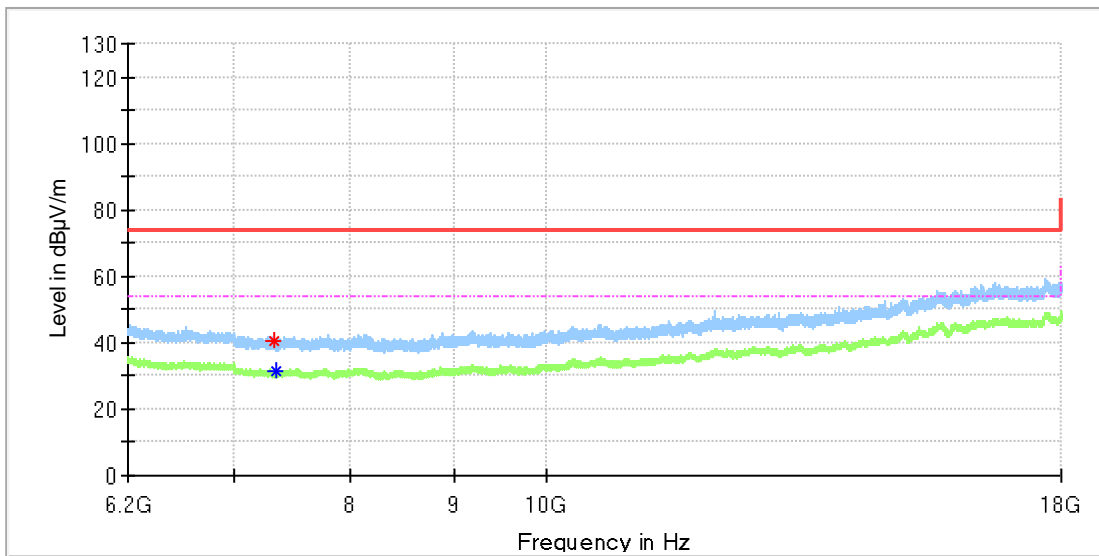


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4880.000000	—	38.00	54.00	16.00	100.0	H	348.0	11.8
4882.500000	48.27	—	74.00	25.73	100.0	H	333.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Mid channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

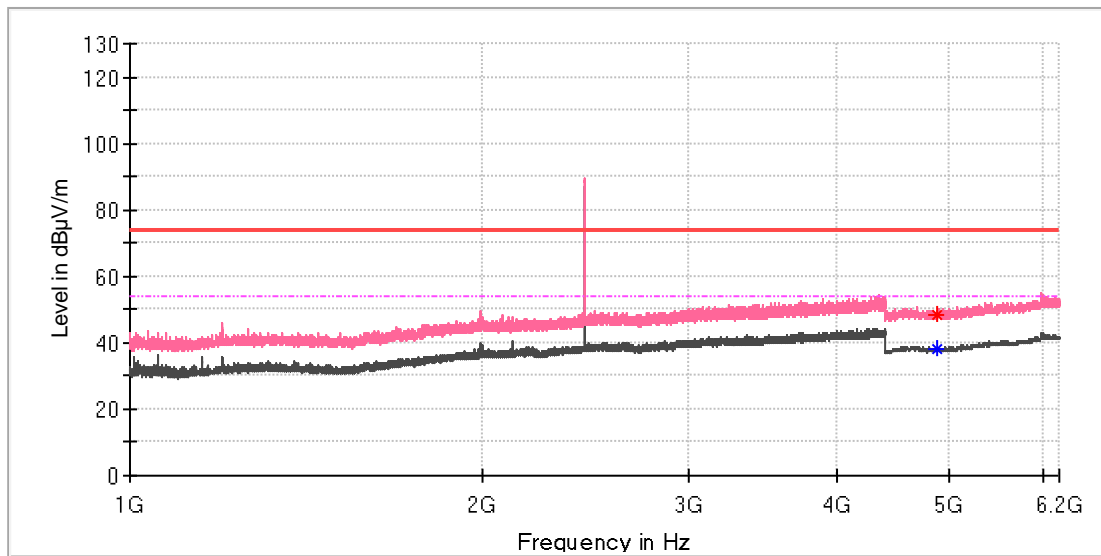


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7330.833333	40.44	—	74.00	33.56	100.0	H	183.0	8.1
7338.208333	—	31.58	54.00	22.42	100.0	H	338.0	8.1

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Mid channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

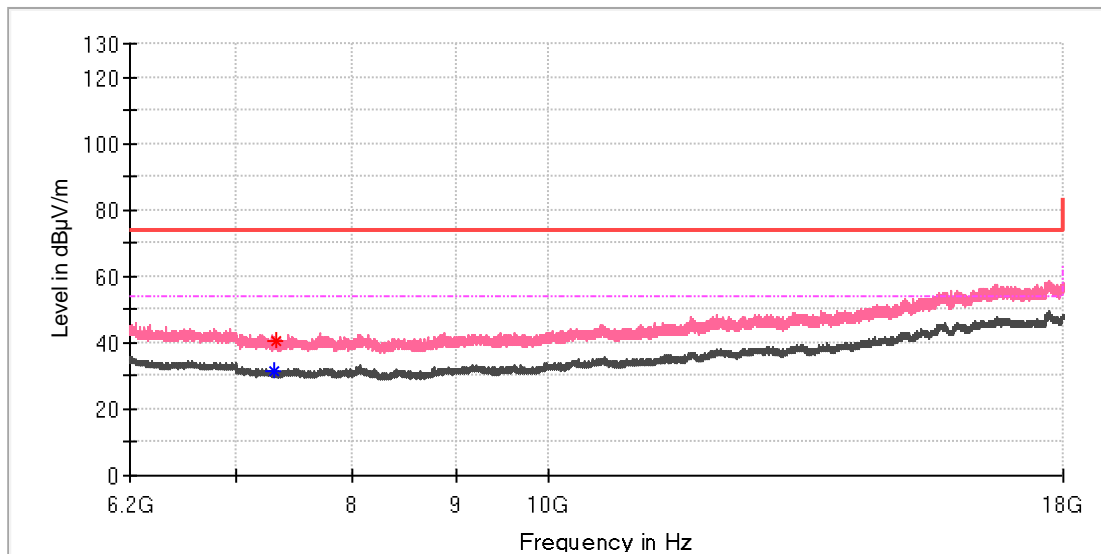


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.500000	48.48	—	74.00	25.52	100.0	V	149.0	11.8
4882.500000	—	37.82	54.00	16.18	100.0	V	149.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Mid channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

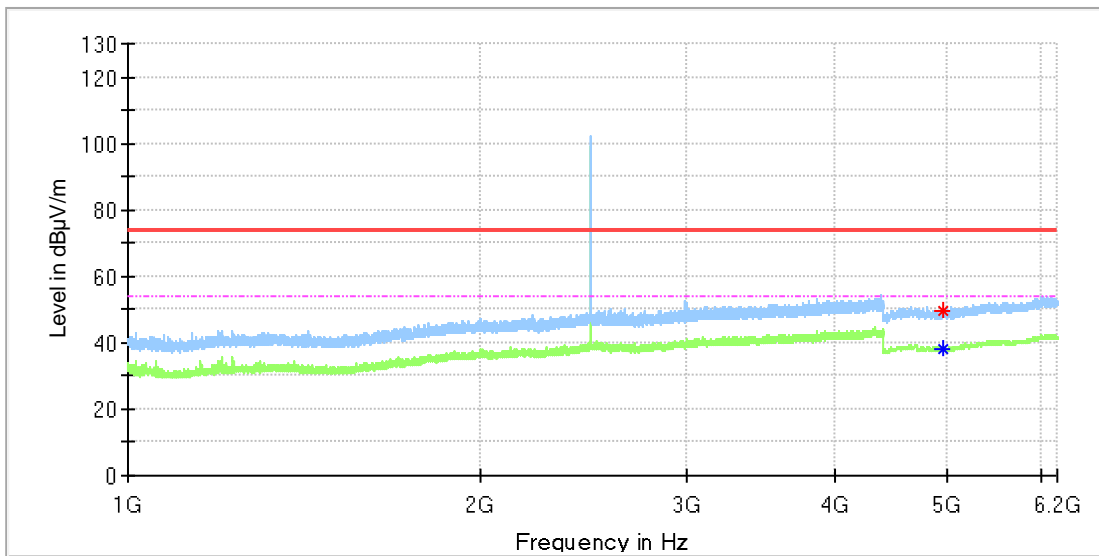


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7317.066667	—	31.64	54.00	22.36	100.0	V	72.0	8.2
7321.000000	40.37	—	74.00	33.63	100.0	V	270.0	8.2

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

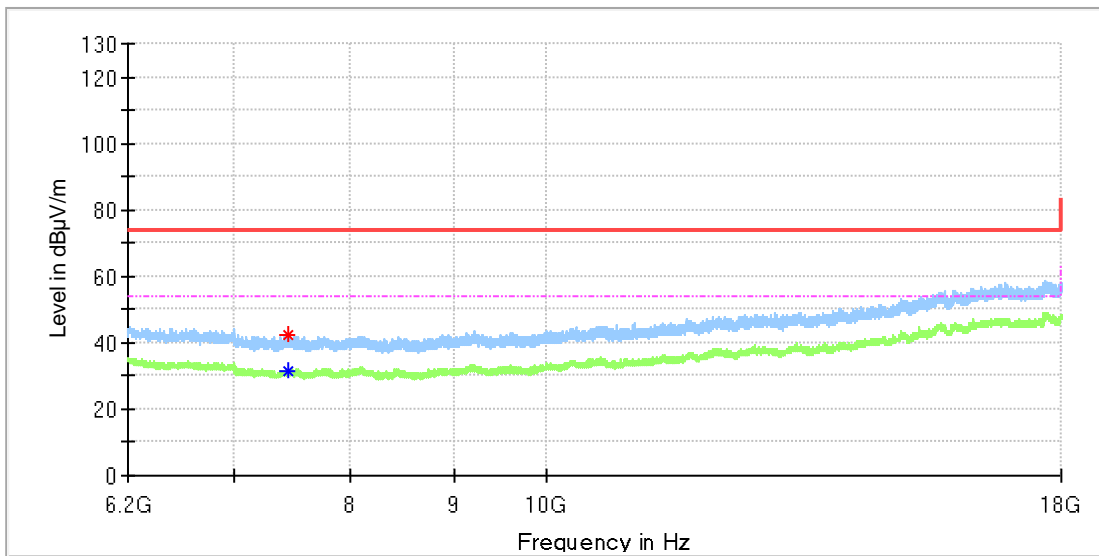


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4954.500000	49.56	—	74.00	24.44	100.0	H	203.0	11.8
4955.500000	—	38.37	54.00	15.63	100.0	H	350.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

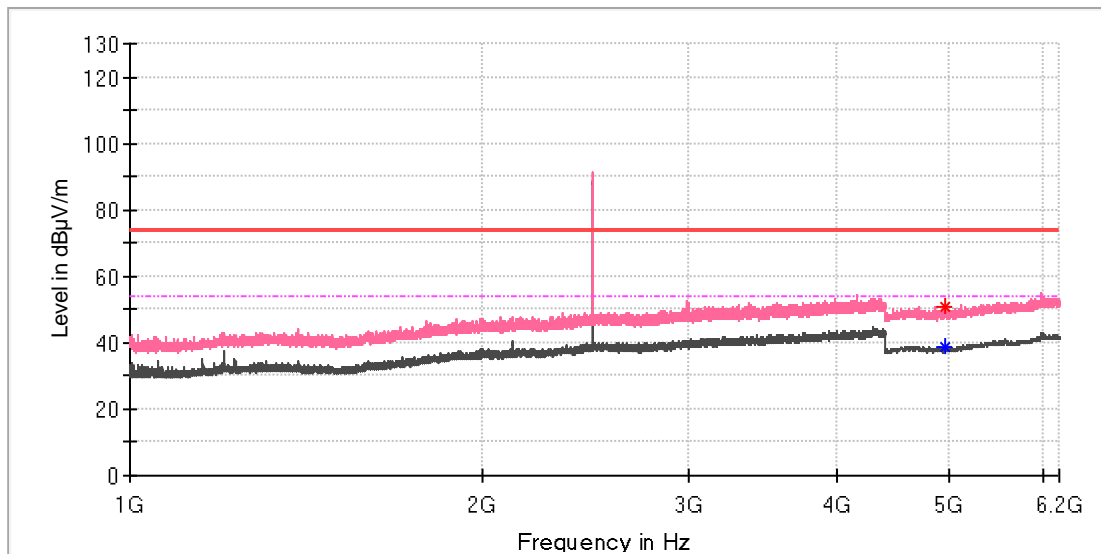


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7441.950000	—	31.58	54.00	22.42	100.0	H	140.0	8.4
7449.325000	42.20	—	74.00	31.80	100.0	H	278.0	8.5

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

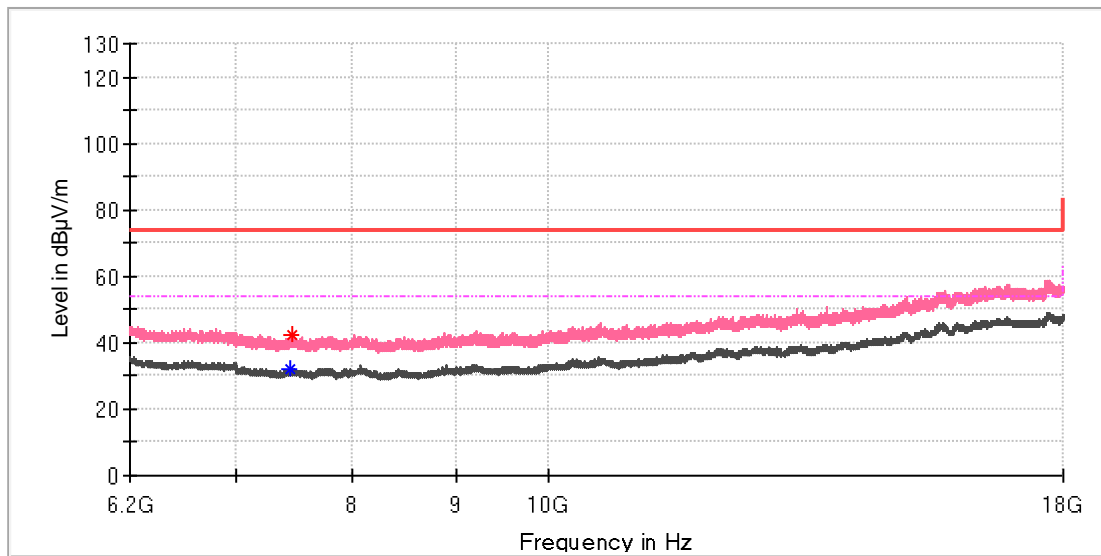


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4953.000000	—	38.42	54.00	15.58	100.0	V	194.0	11.8
4956.500000	50.52	—	74.00	23.48	100.0	V	294.0	11.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



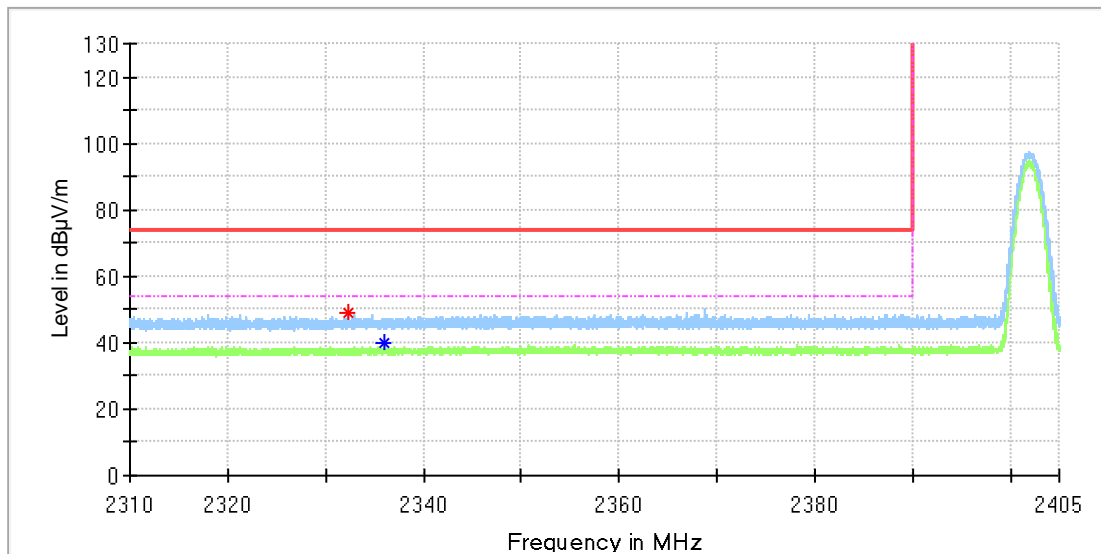
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	—	32.11	54.00	21.89	100.0	V	79.0	8.4
7454.733333	42.33	—	74.00	31.67	100.0	V	79.0	8.5

Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

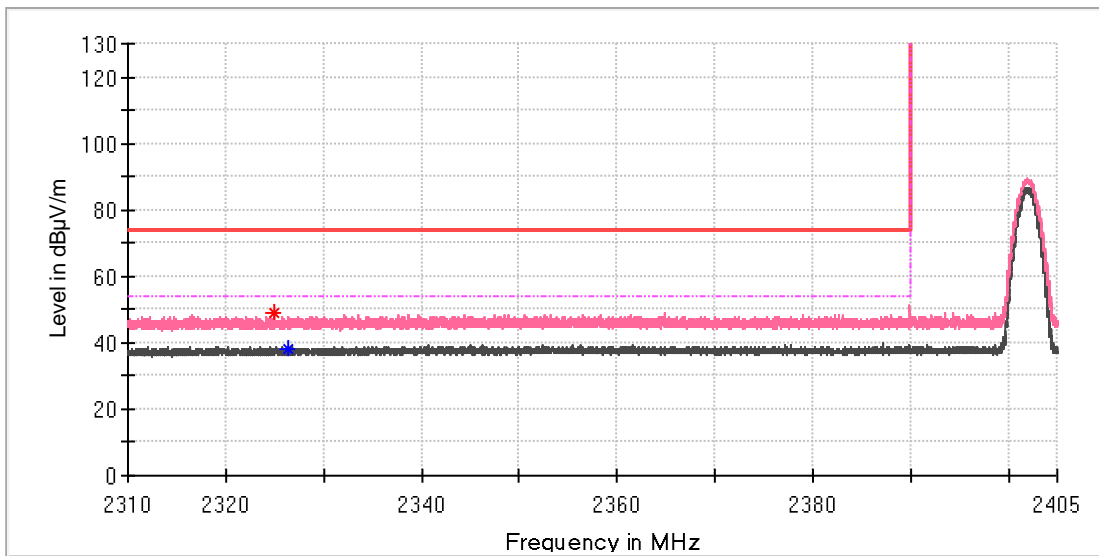


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2332.376250	49.11	—	74.00	24.89	100.0	H	35.0	6.7
2336.102250	—	39.84	54.00	14.16	100.0	H	354.0	6.8

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_Low channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

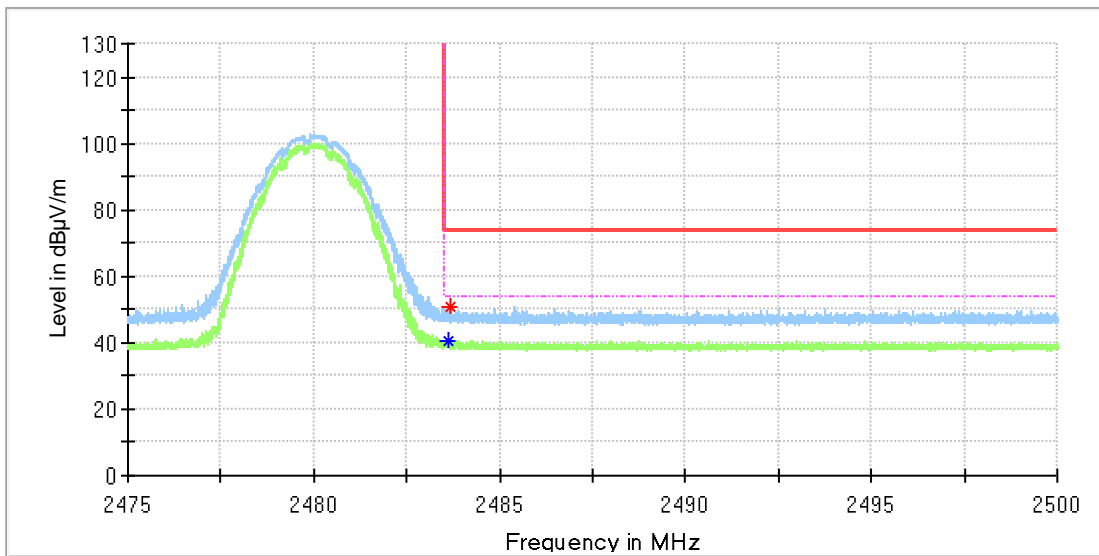


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2324.863500	49.03	—	74.00	24.97	100.0	V	59.0	6.6
2326.301250	—	38.35	54.00	15.65	100.0	V	245.0	6.7

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin

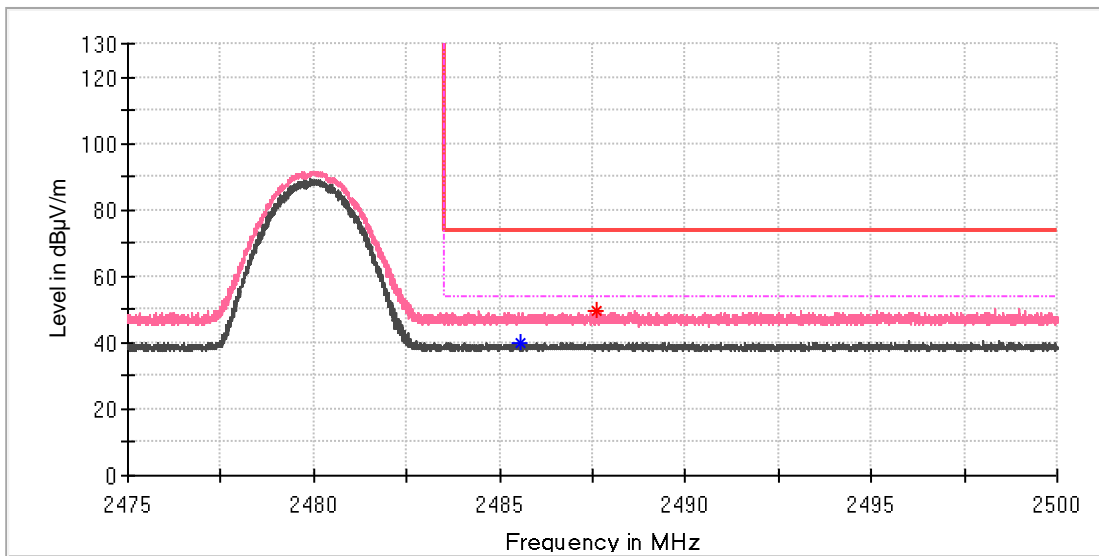


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.607500	—	40.61	54.00	13.39	100.0	H	130.0	7.4
2483.675000	50.66	—	74.00	23.34	100.0	H	156.0	7.4

EUT Information

EUT Name: BT & WLAN Module
 Model: BTWDB01
 Test Mode: BR_DH5_High channel
 Test Voltage:: DC 3.3V
 Remark: Temp 23 Humi:45%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2485.567500	—	40.02	54.00	13.98	100.0	V	180.0	7.4
2487.587500	49.69	—	74.00	24.31	100.0	V	102.0	7.4