

Appendix A: Test Results of Bluetooth BR & EDR

APPENDIX A: TEST RESULTS OF BLUETOOTH BR & EDR	1
APPENDIX A.1: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY	2
<i>BR mode (DH5).....</i>	<i>2</i>
<i>EDR mode (3-DH5).....</i>	<i>3</i>
APPENDIX A.2: TEST RESULTS OF TIME OF OCCUPANCY	4
<i>BR mode (DH5).....</i>	<i>4</i>
<i>EDR mode (3-DH5).....</i>	<i>7</i>
APPENDIX A.3: TEST RESULTS OF 20dB BANDWIDTH	10
<i>BR mode (DH5).....</i>	<i>10</i>
<i>EDR mode (3-DH5).....</i>	<i>13</i>
APPENDIX A.4: TEST RESULTS OF 99% BANDWIDTH	16
<i>BR mode (DH5).....</i>	<i>16</i>
<i>EDR mode (3-DH5).....</i>	<i>17</i>
APPENDIX A.5: TEST RESULTS OF CARRIER FREQUENCY SEPARATION.....	19
<i>BR mode (DH5).....</i>	<i>19</i>
<i>EDR mode (3-DH5).....</i>	<i>20</i>
APPENDIX A.6: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	22
<i>BR mode (DH5).....</i>	<i>22</i>
<i>Fixed mode, Band Edge.....</i>	<i>22</i>
<i>Fixed mode, Conducted Spurious Emission.....</i>	<i>23</i>
<i>Hopping Mode, Band Edge.....</i>	<i>26</i>
<i>Hopping Mode, Conducted Spurious Emission.....</i>	<i>27</i>
<i>EDR mode (3-DH5).....</i>	<i>28</i>
<i>Fixed mode, Band Edge.....</i>	<i>28</i>
<i>Fixed mode, Conducted Spurious Emission.....</i>	<i>29</i>
<i>Hopping Mode, Band Edge.....</i>	<i>32</i>
<i>Hopping Mode, Conducted Spurious Emission.....</i>	<i>33</i>
APPENDIX A.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	34
30MHz - 1GHz.....	34
1GHz - 18GHz	36
APPENDIX A.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	48
APPENDIX A.9: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	52

Appendix A.1: Test Results of Number of Hopping Frequency

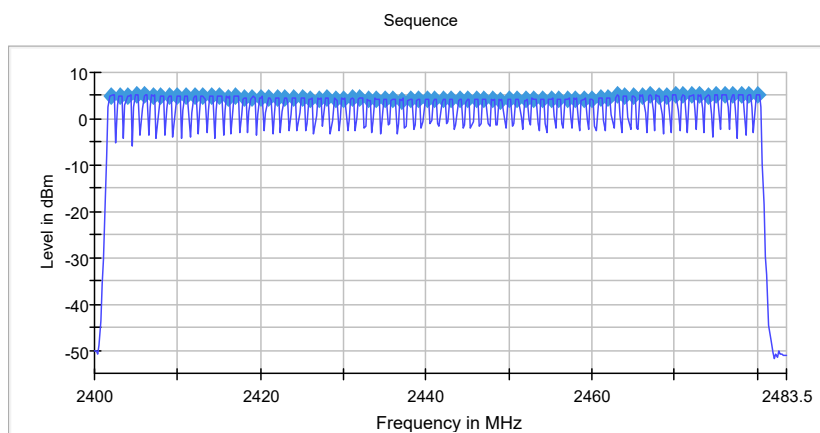
BR mode (DH5)

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

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	56 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.21 dB	0.50 dB

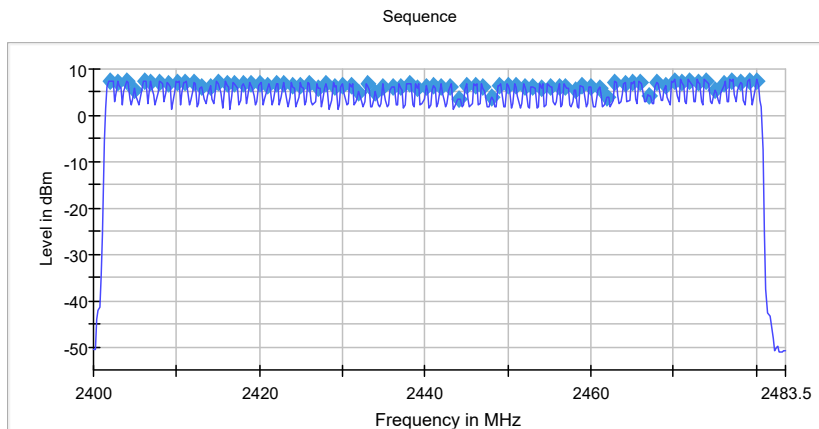
EDR mode (3-DH5)

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

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
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	115 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.29 dB	0.50 dB

Appendix A.2: Test Results of Time of Occupancy

BR mode (DH5)

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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	79	92.170	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
394.980	396.240	395.069

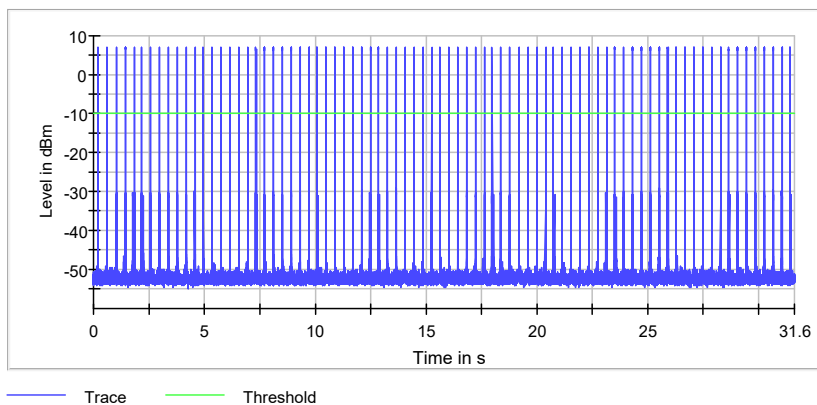
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
1.140	1.170	400.000	0.000	1.152

DwellTime

Min (ms)	Max (ms)	Mean (ms)
2.880	2.890	2.884

Time of Channel Occupancy



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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	56	186.060	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
533.740	564.980	549.098

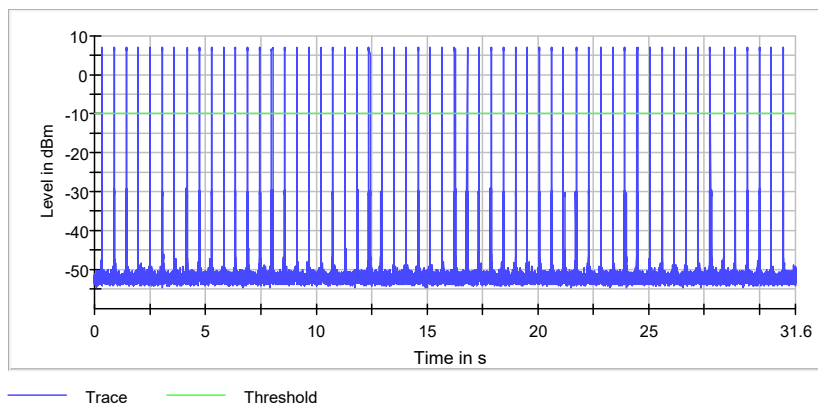
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
3.260	3.280	400.000	0.000	3.264

DwellTime

Min (ms)	Max (ms)	Mean (ms)
4.130	4.140	4.132

Time of Channel Occupancy(2)



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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	44	259.130	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
691.230	699.980	693.527

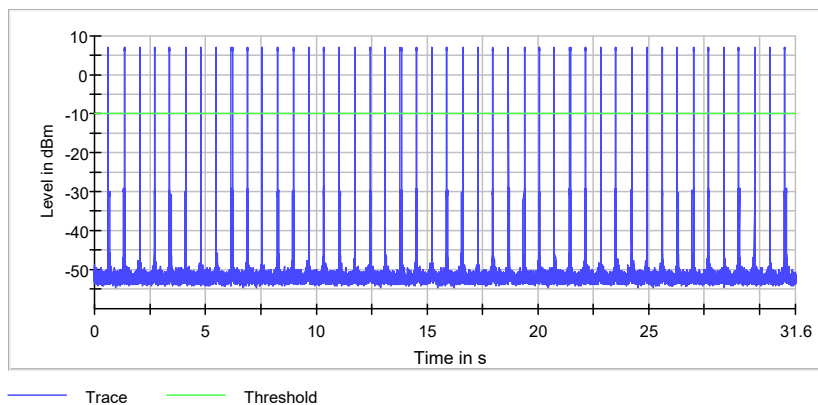
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
5.740	5.760	400.000	0.000	5.758

DwellTime

Min (ms)	Max (ms)	Mean (ms)
6.620	6.630	6.629

Time of Channel Occupancy(3)



EDR mode (3-DH5)

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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	79	90.480	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
393.730	396.240	395.053

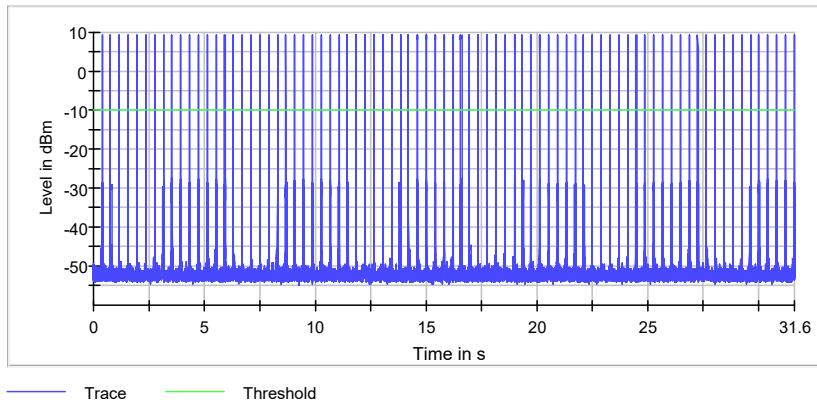
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.78	1.200	400.000	0.000	1.135

DwellTime

Min (ms)	Max (ms)	Mean (ms)
1.640	2.900	2.765

Time of Channel Occupancy



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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	57	190.460	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
523.740	557.480	543.333

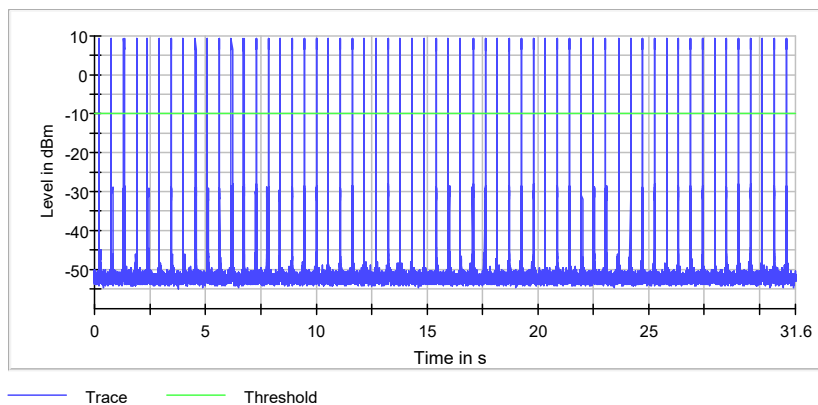
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
3.280	3.300	400.000	0.000	3.284

DwellTime

Min (ms)	Max (ms)	Mean (ms)
4.140	4.150	4.142

Time of Channel Occupancy(2)



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

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	44	260.520	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
692.480	717.480	702.480

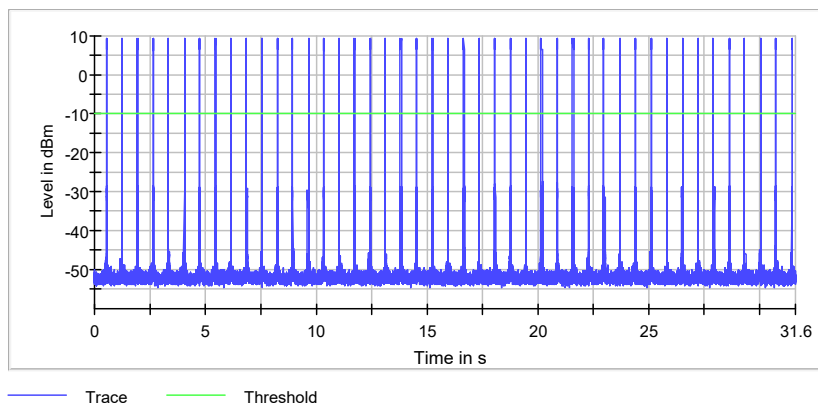
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
5.780	5.800	400.000	0.000	5.790

DwellTime

Min (ms)	Max (ms)	Mean (ms)
6.640	6.650	6.645

Time of Channel Occupancy(3)



Appendix A.3: Test Results of 20dB Bandwidth

BR mode (DH5)

Emission Bandwidth 20 dB (2402 MHz; 10.000 dBm; 1 MHz; Test Mode)

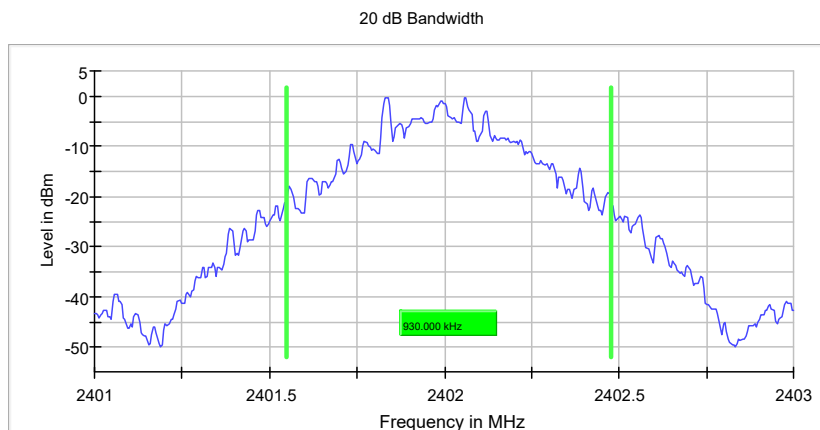
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.930000	---	---	2401.547500	2402.477500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-0.3	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	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	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.19 dB	0.50 dB

Emission Bandwidth 20 dB (2441 MHz; 10.000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

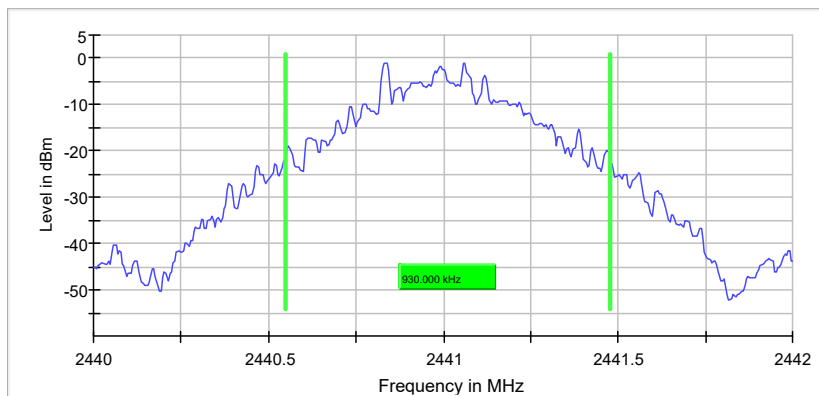
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.930000	---	---	2440.547500	2441.477500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-1.2	PASS

20 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	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	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.16 dB	0.50 dB

Emission Bandwidth 20 dB (2480 MHz; 10.000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

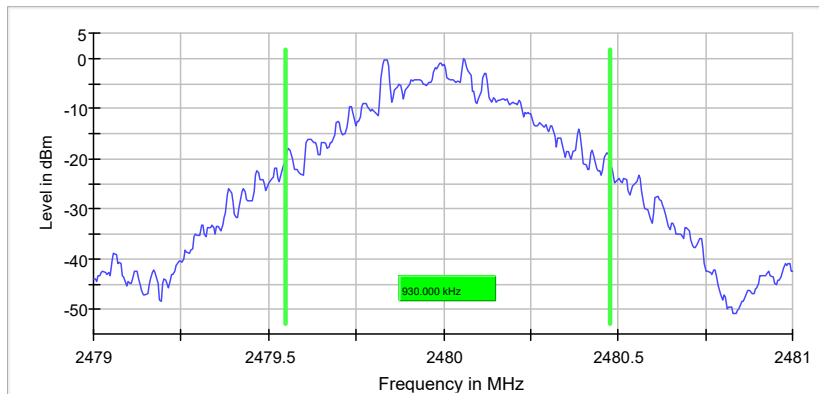
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.930000	---	---	2479.547500	2480.477500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-0.2	PASS

20 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	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	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	8 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.10 dB	0.50 dB

EDR mode (3-DH5)

Emission Bandwidth 20 dB (2402 MHz; 10.000 dBm; 1 MHz; Test Mode)

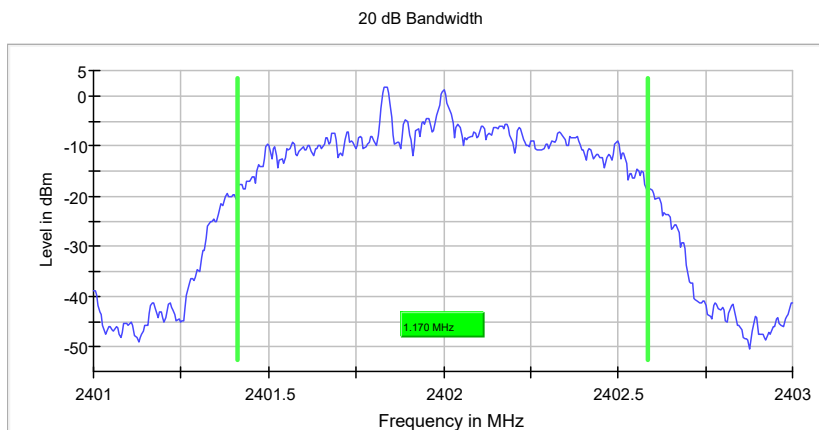
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.170000	---	---	2401.412500	2402.582500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	1.6	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	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	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.14 dB	0.50 dB

Emission Bandwidth 20 dB (2441 MHz; 10.000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

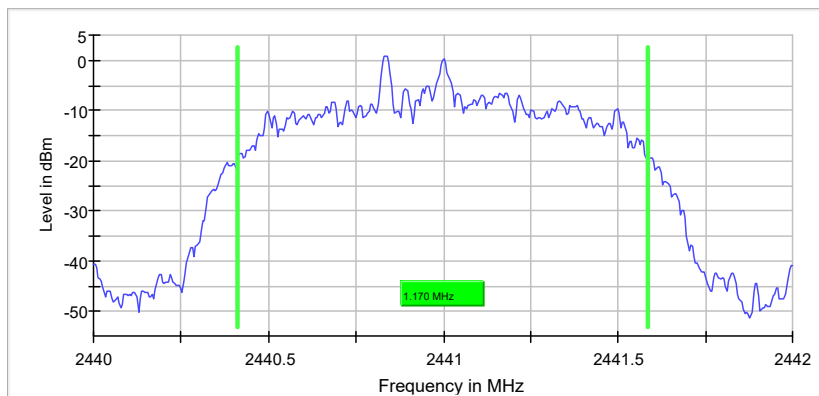
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.170000	---	---	2440.412500	2441.582500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	0.7	PASS

20 dB Bandwidth



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	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	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	10 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.07 dB	0.50 dB

Emission Bandwidth 20 dB (2480 MHz; 10.000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04

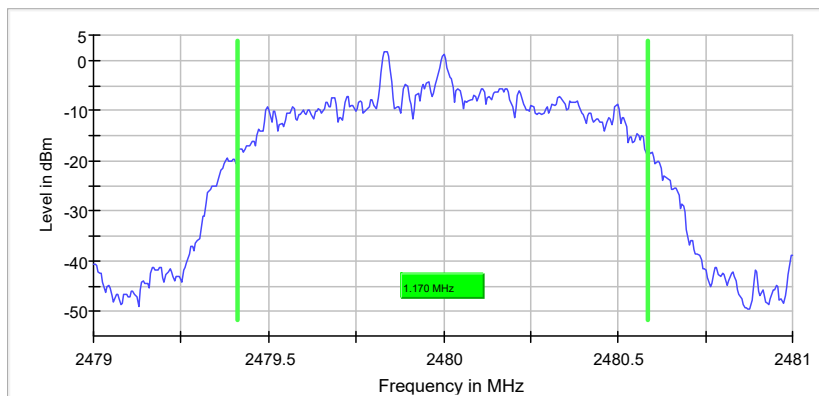
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.170000	---	---	2479.412500	2480.582500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	1.8	PASS

20 dB Bandwidth

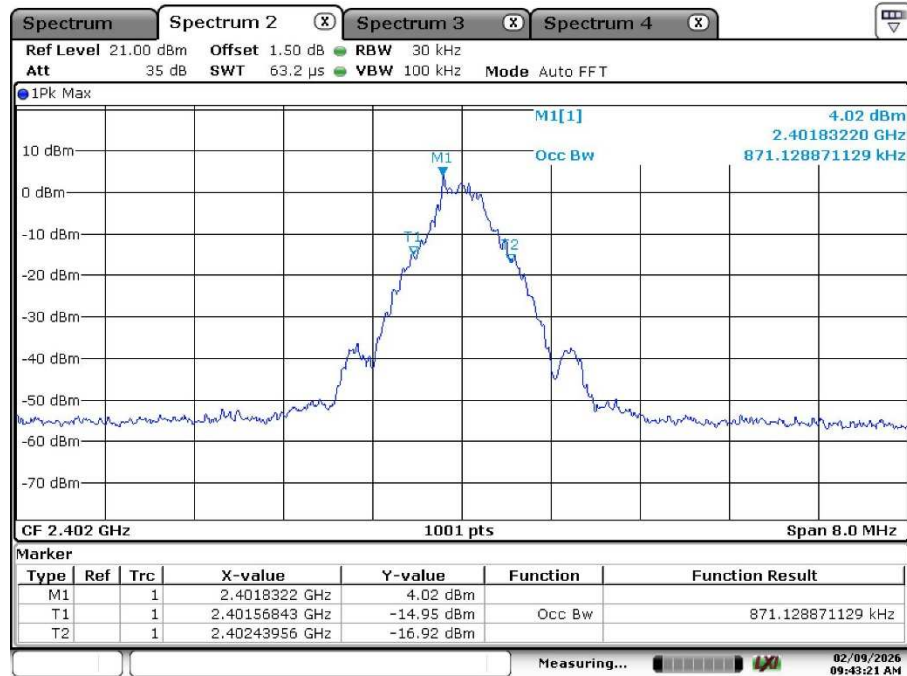


Measurement

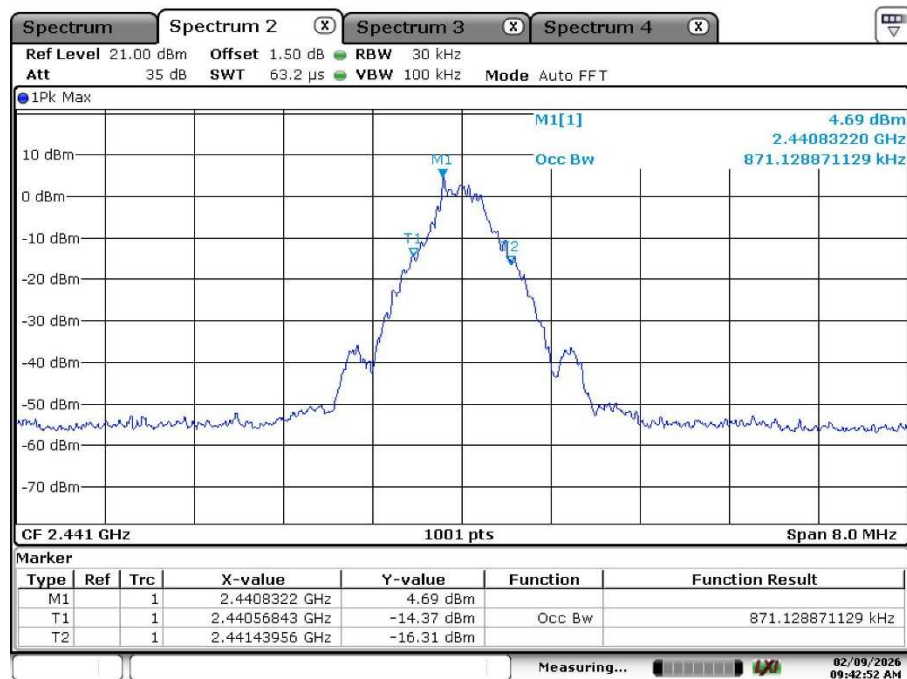
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	400	~ 400
SweepTime	189.648 µs	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	20.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	FFT	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.12 dB	0.50 dB

Appendix A.4: Test Results of 99% Bandwidth

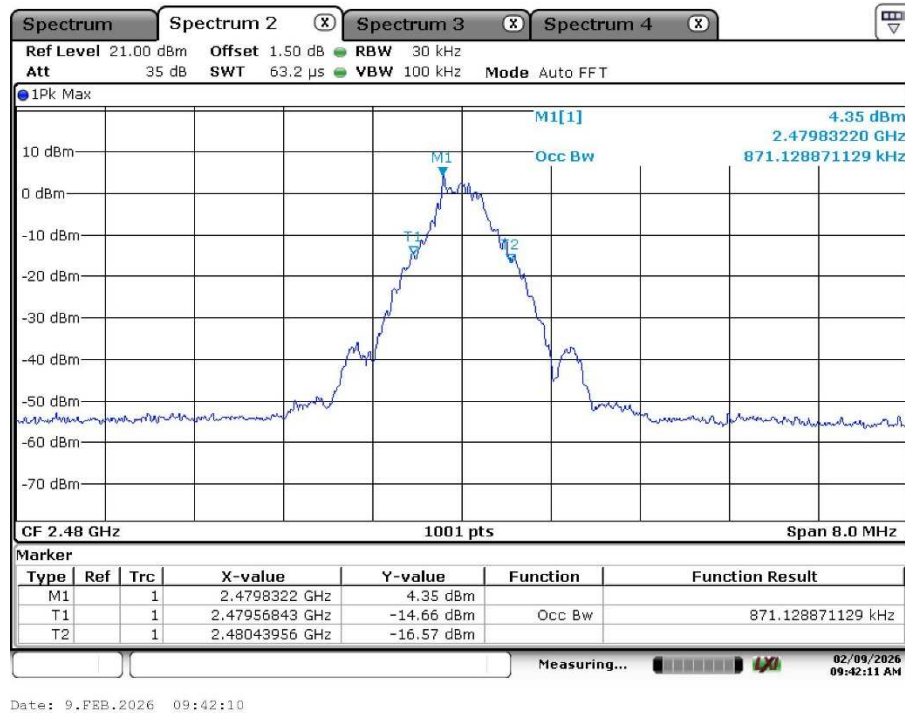
BR mode (DH5)



Date: 9.FEB.2026 09:43:21

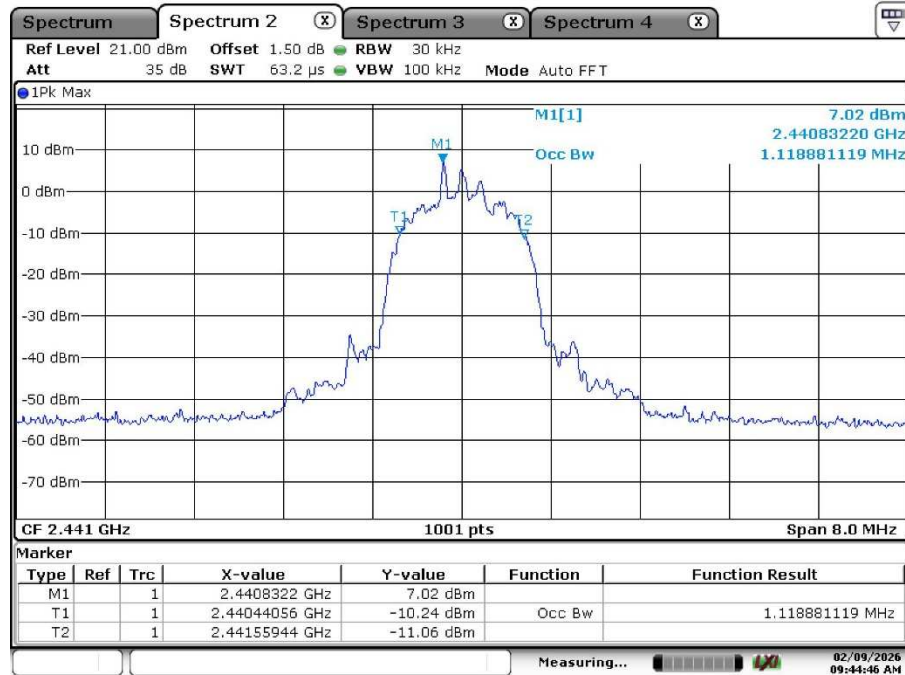


Date: 9.FEB.2026 09:42:52

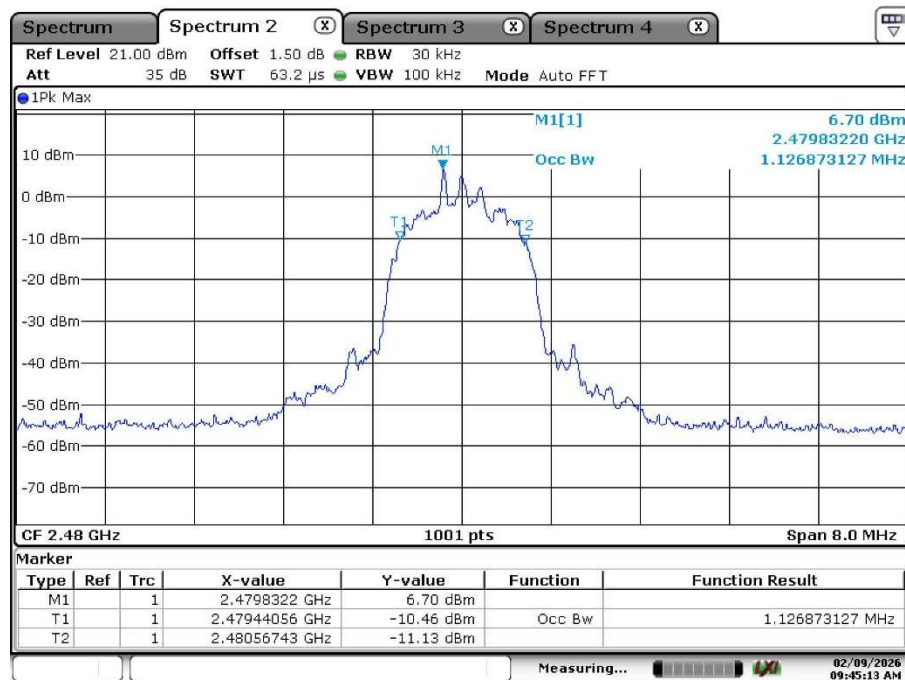


EDR mode (3-DH5)





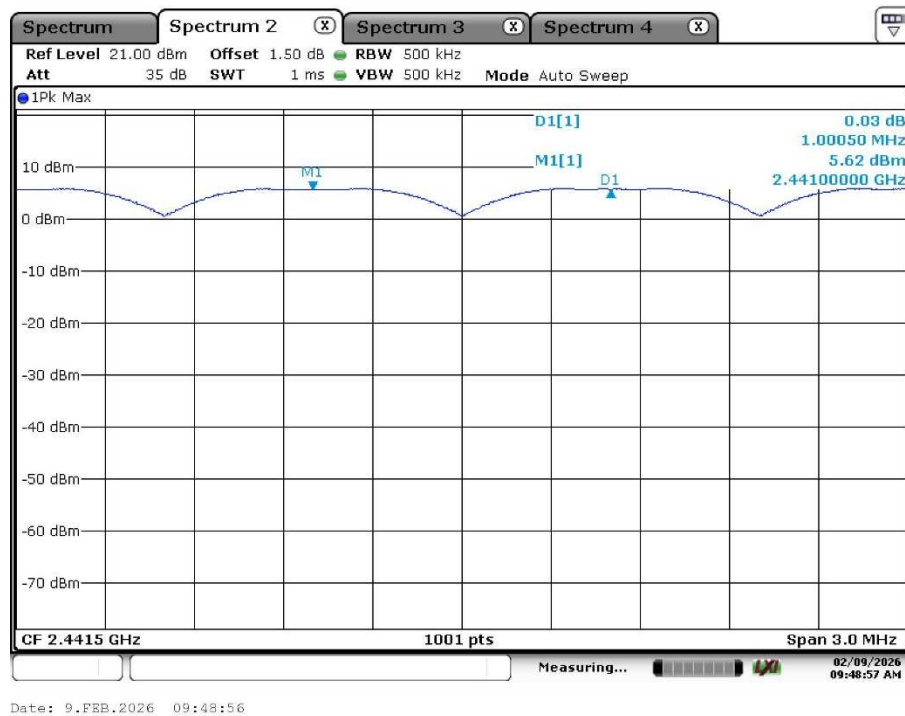
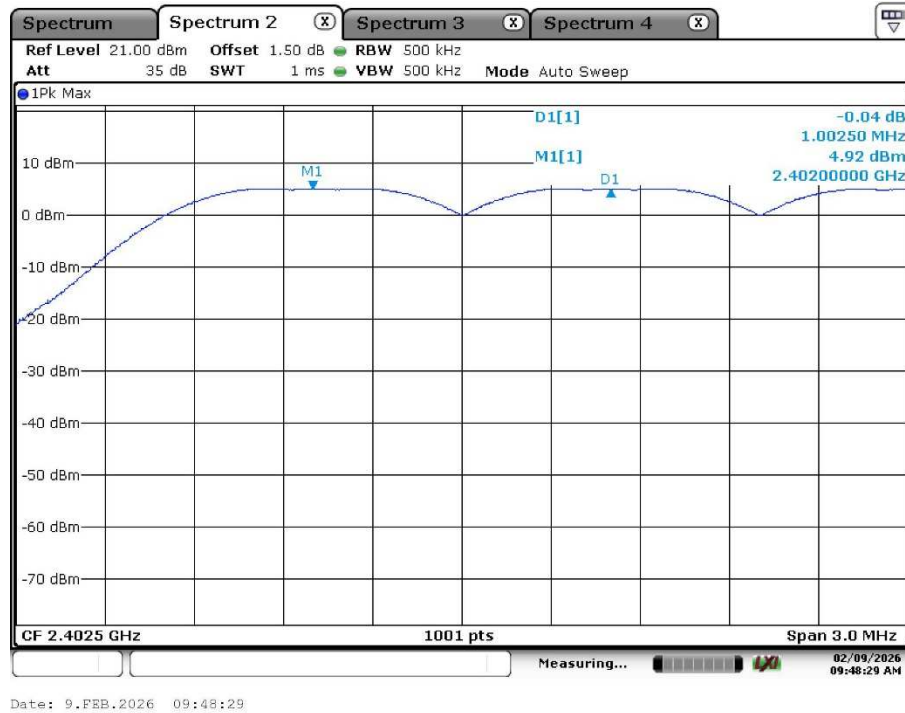
Date: 9.FEB.2026 09:44:45

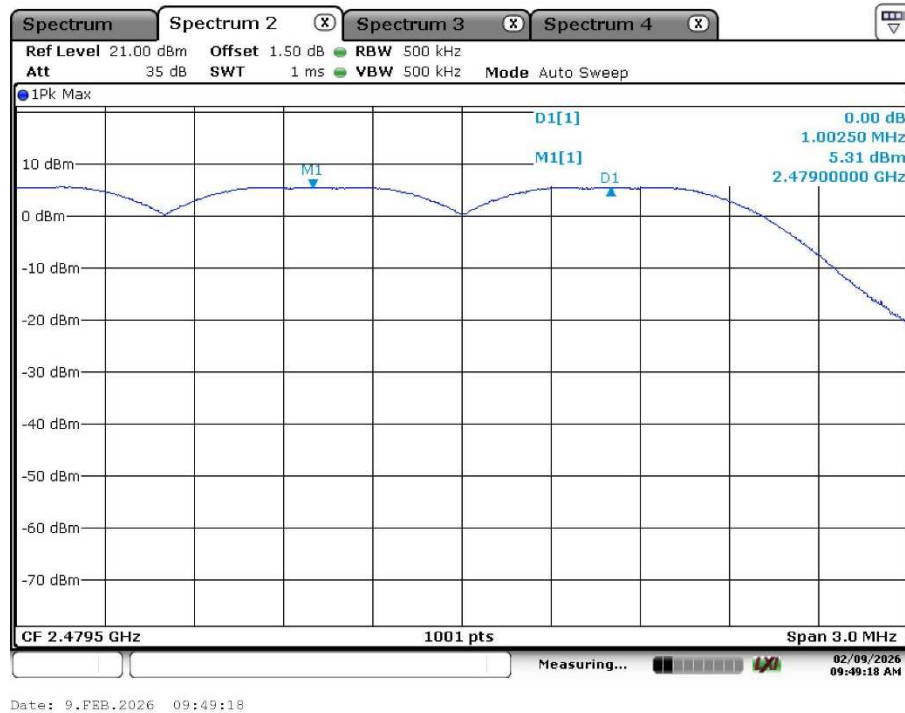


Date: 9.FEB.2026 09:45:12

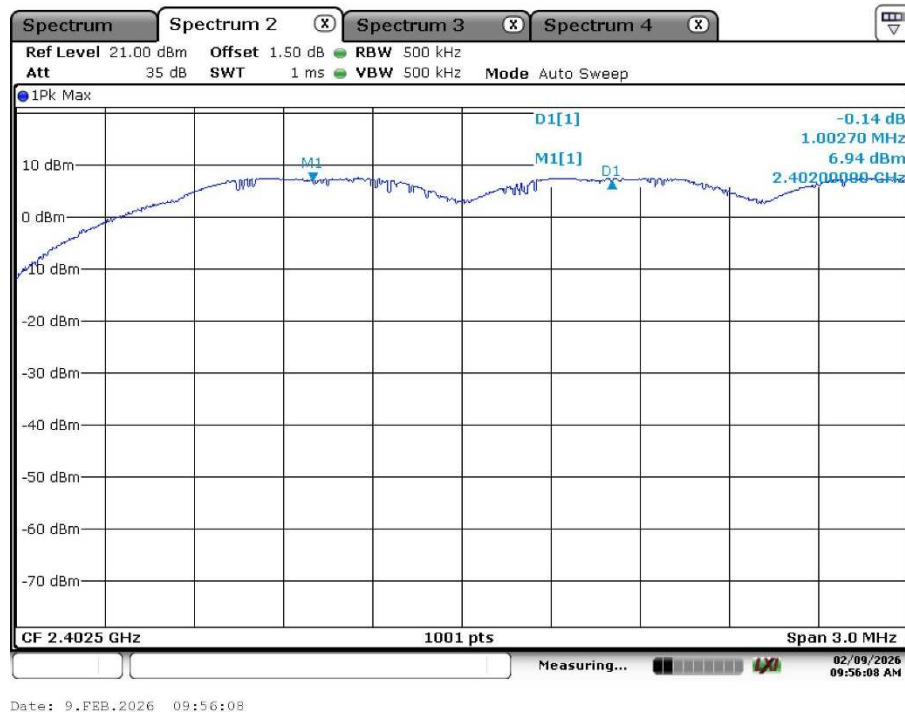
Appendix A.5: Test Results of Carrier Frequency Separation

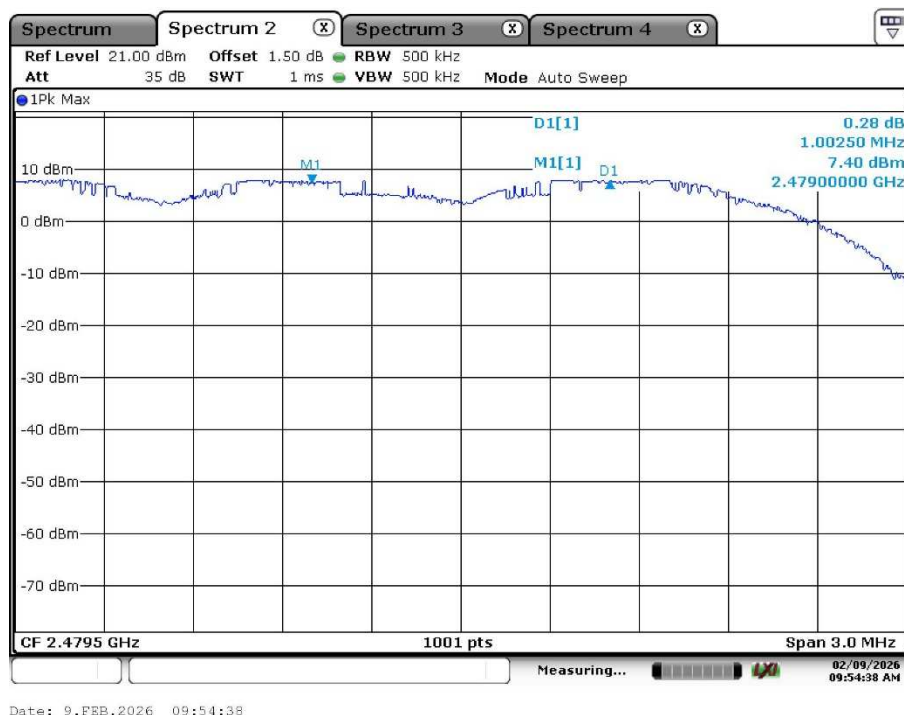
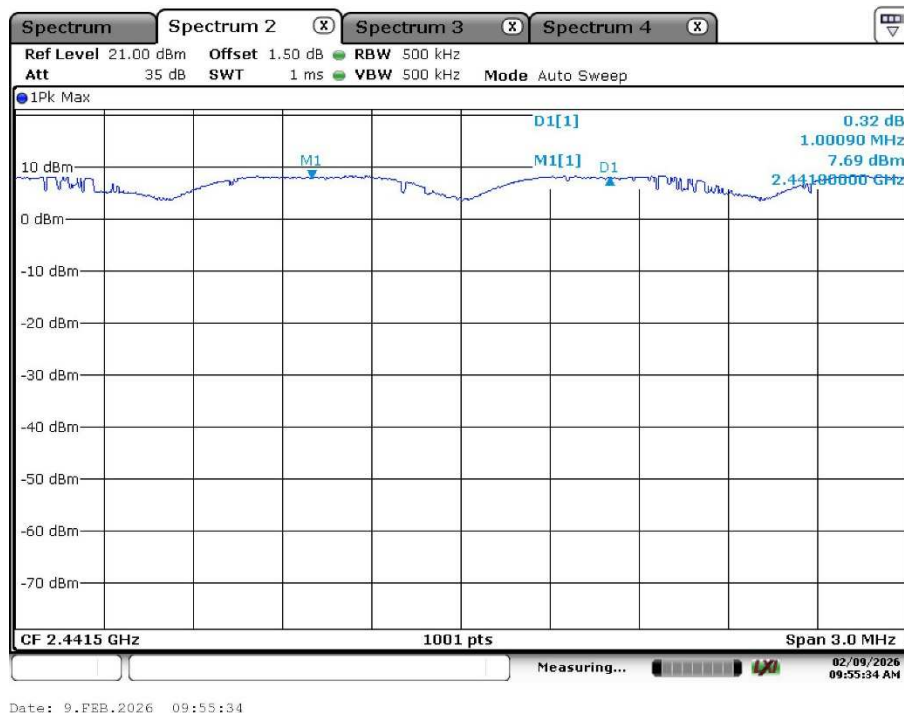
BR mode (DH5)





EDR mode (3-DH5)



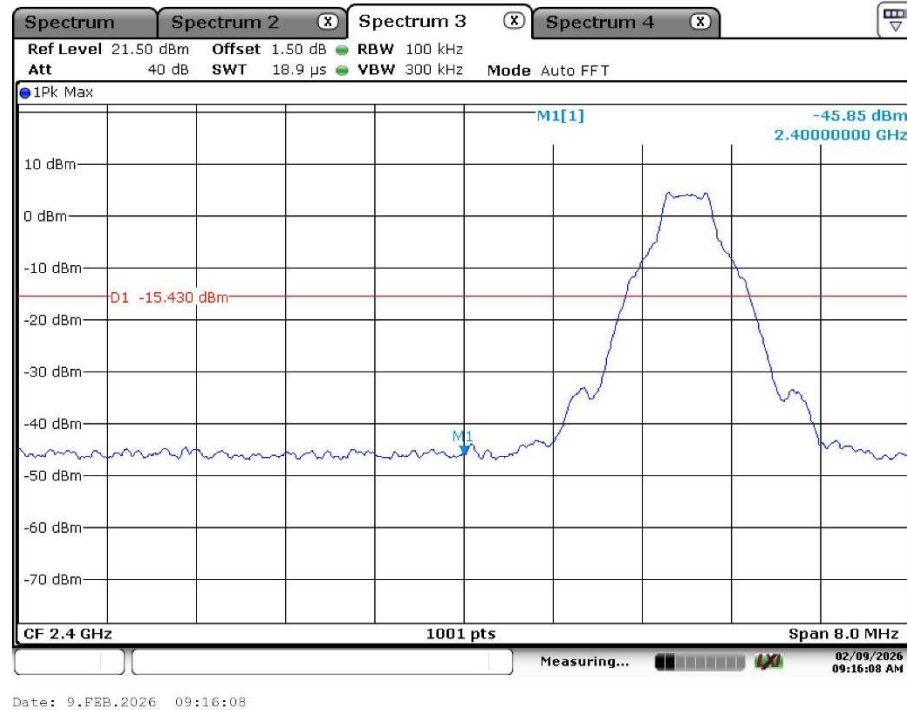


Appendix A.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

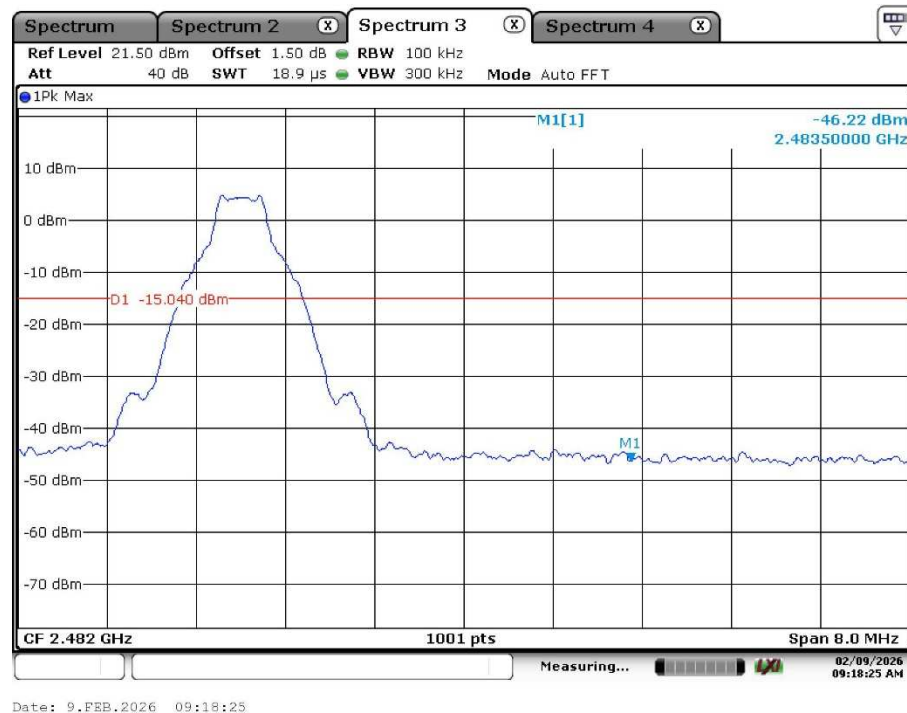
BR mode (DH5)

Fixed mode, Band Edge

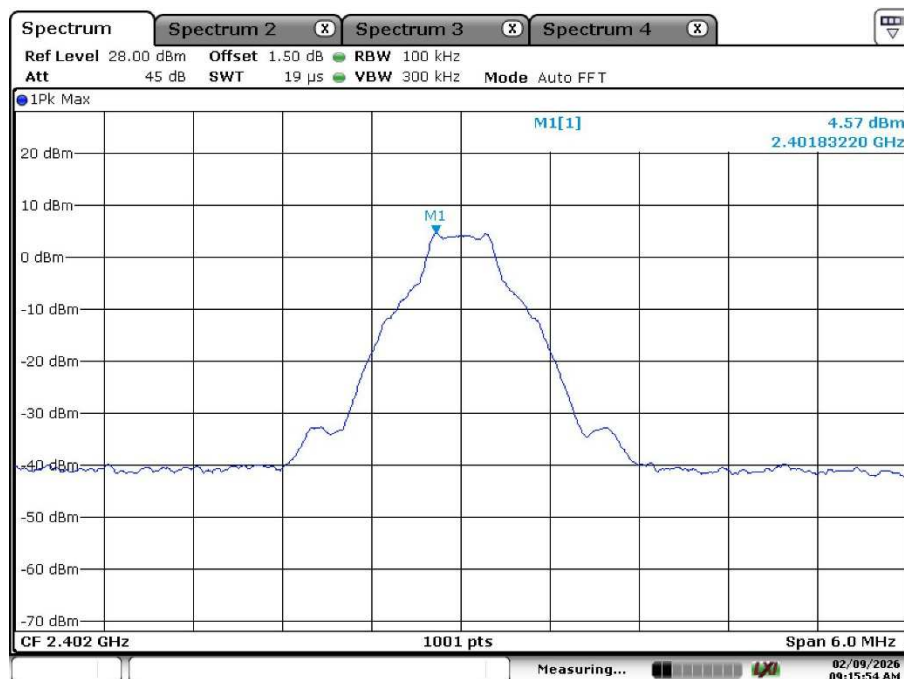
Low Channel



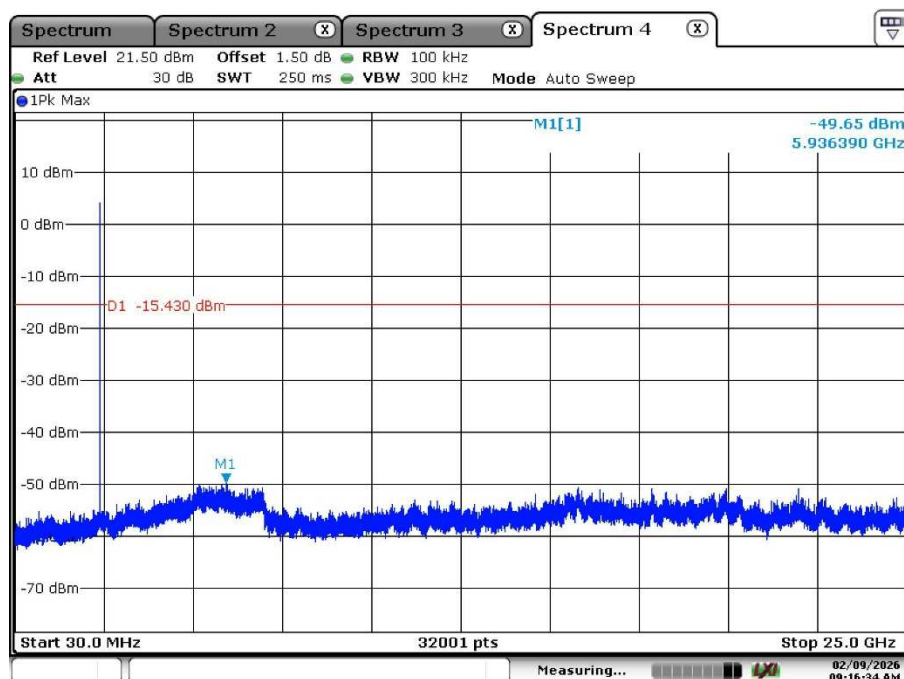
High Channel



Fixed mode, Conducted Spurious Emission
Low Channel

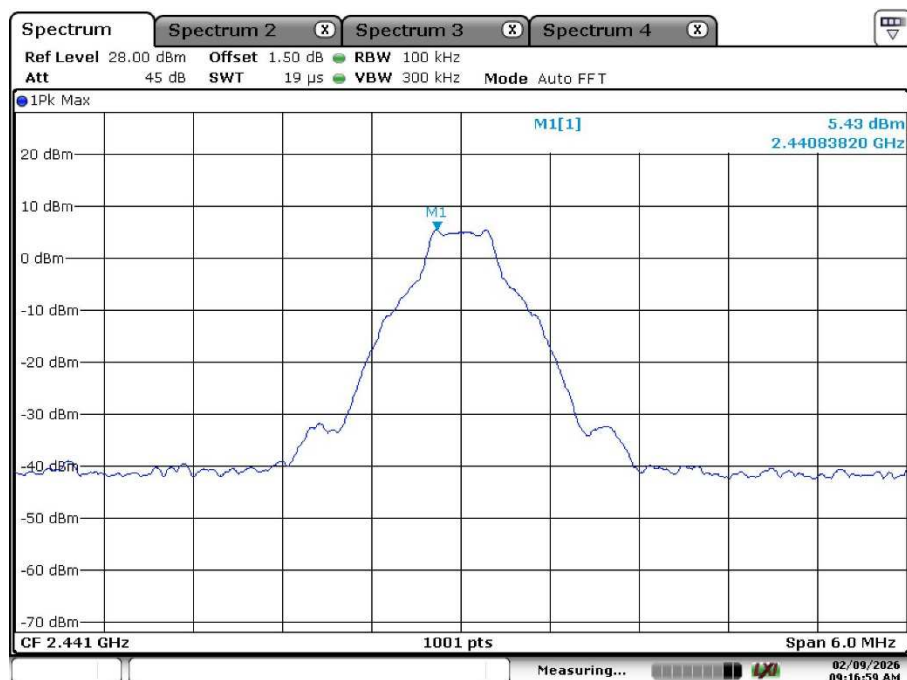


Date: 9.FEB.2026 09:15:53

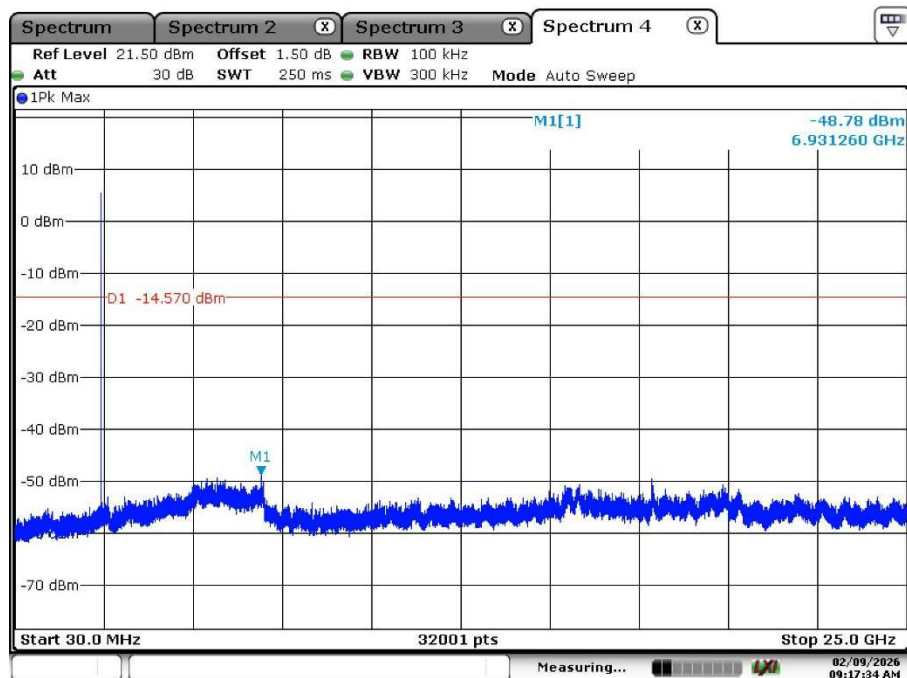


Date: 9.FEB.2026 09:16:34

Middle Channel

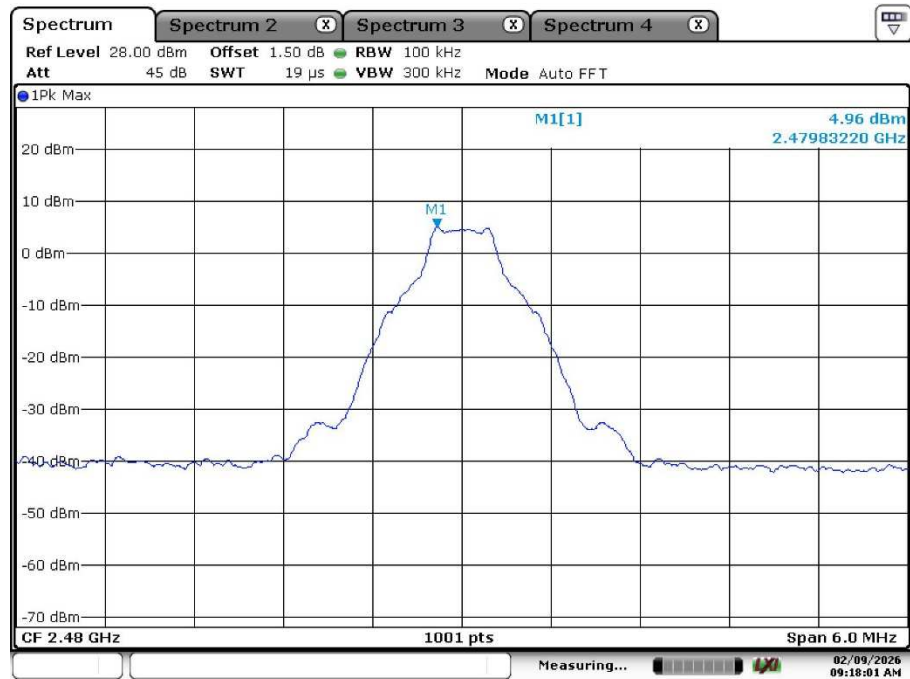


Date: 9.FEB.2026 09:16:58

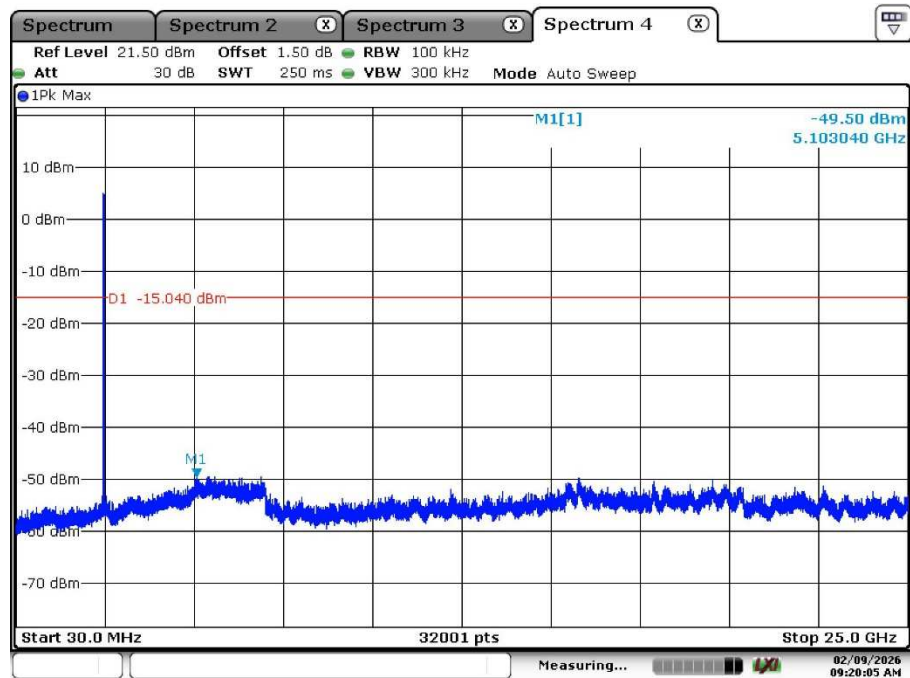


Date: 9.FEB.2026 09:17:34

High Channel



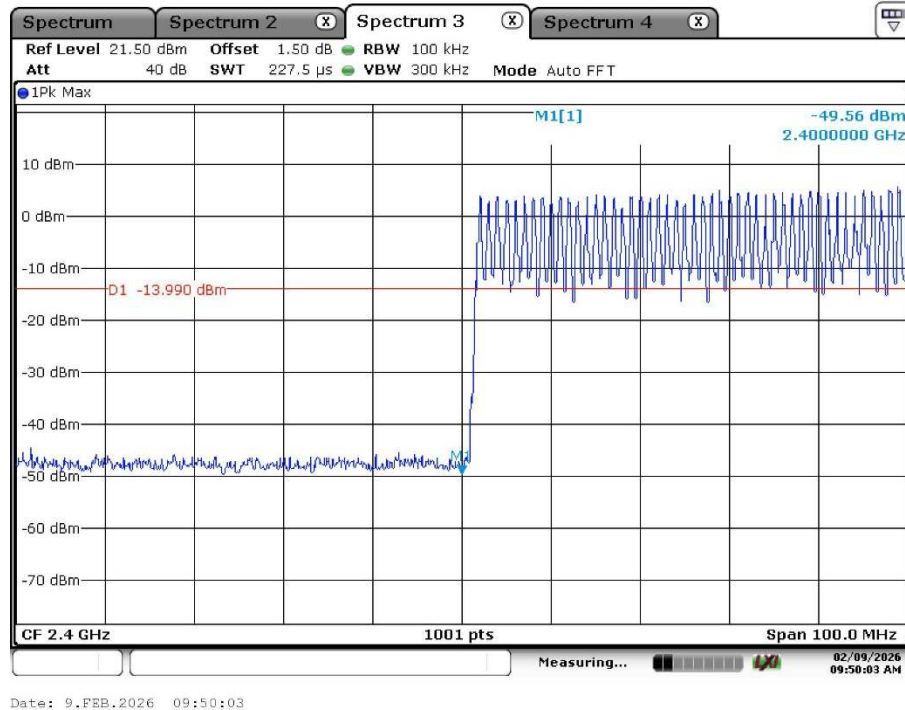
Date: 9.FEB.2026 09:18:01



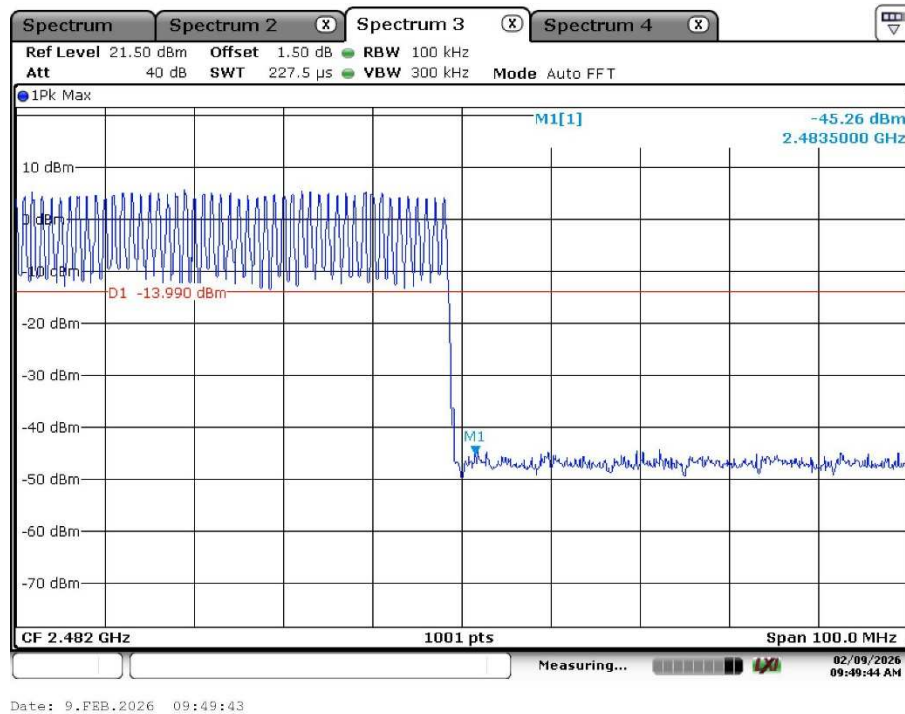
Date: 9.FEB.2026 09:20:04

Hopping Mode, Band Edge

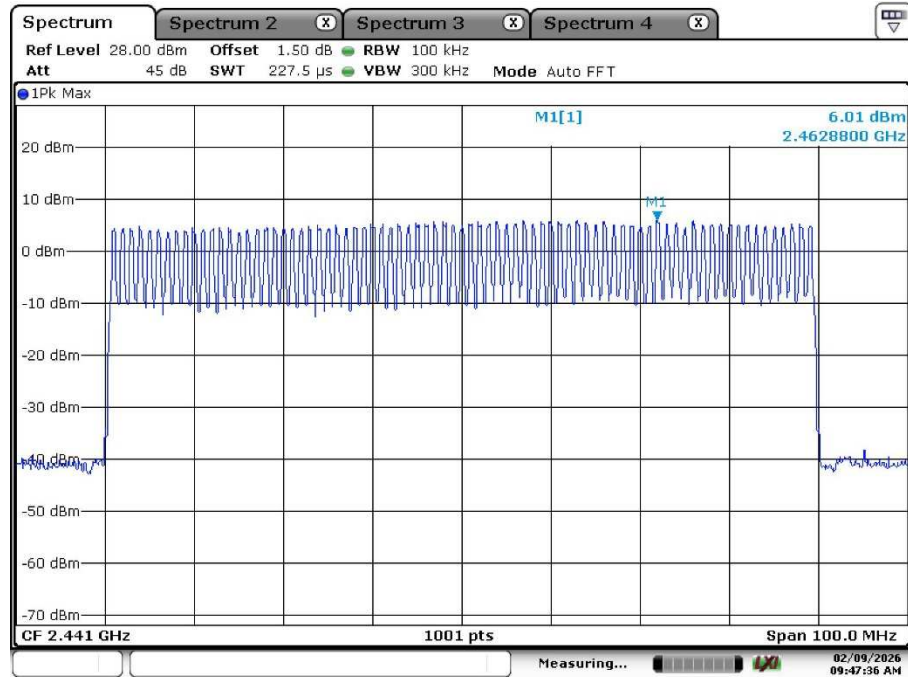
Low Channel



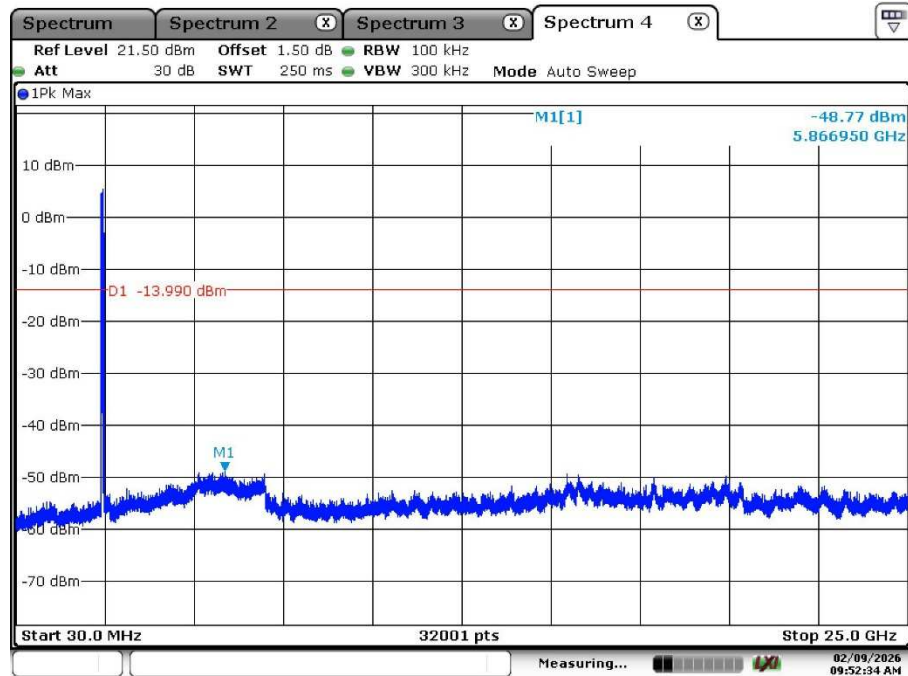
High Channel



Hopping Mode, Conducted Spurious Emission



Date: 9.FEB.2026 09:47:36

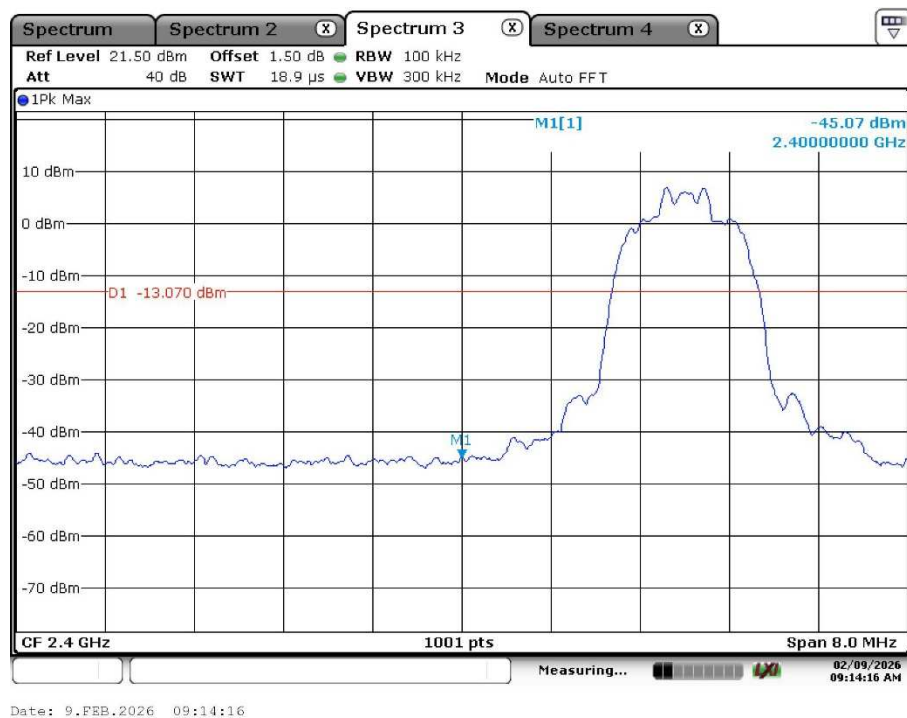


Date: 9.FEB.2026 09:52:34

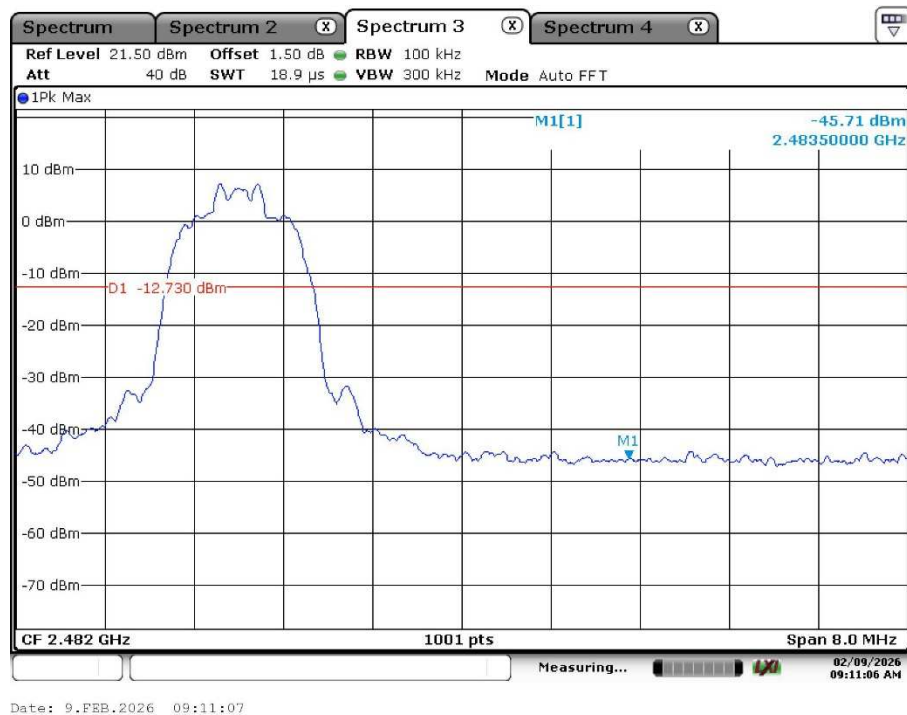
EDR mode (3-DH5)

Fixed mode, Band Edge

Low Channel

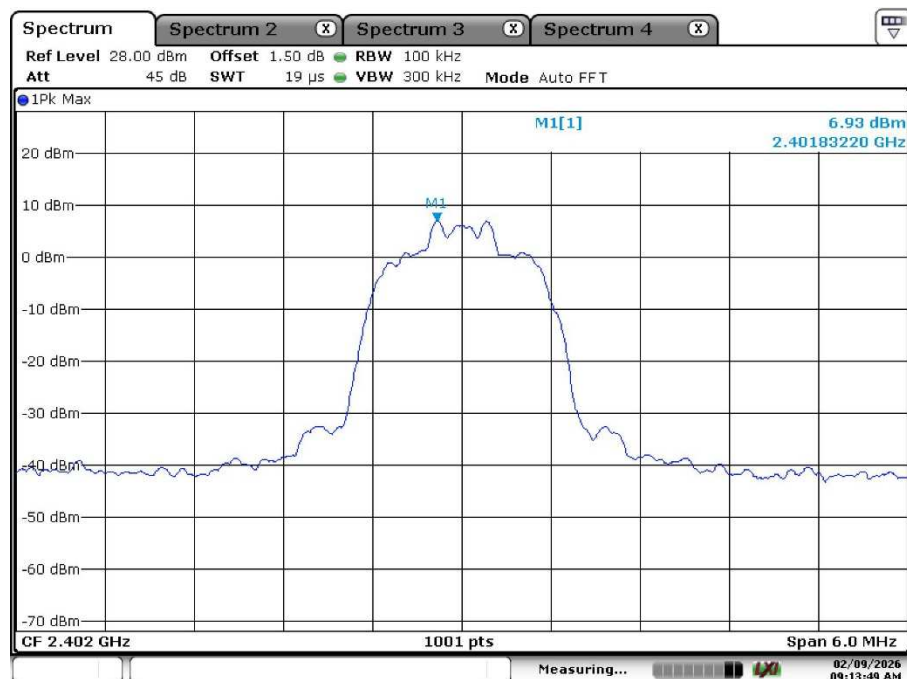


High Channel

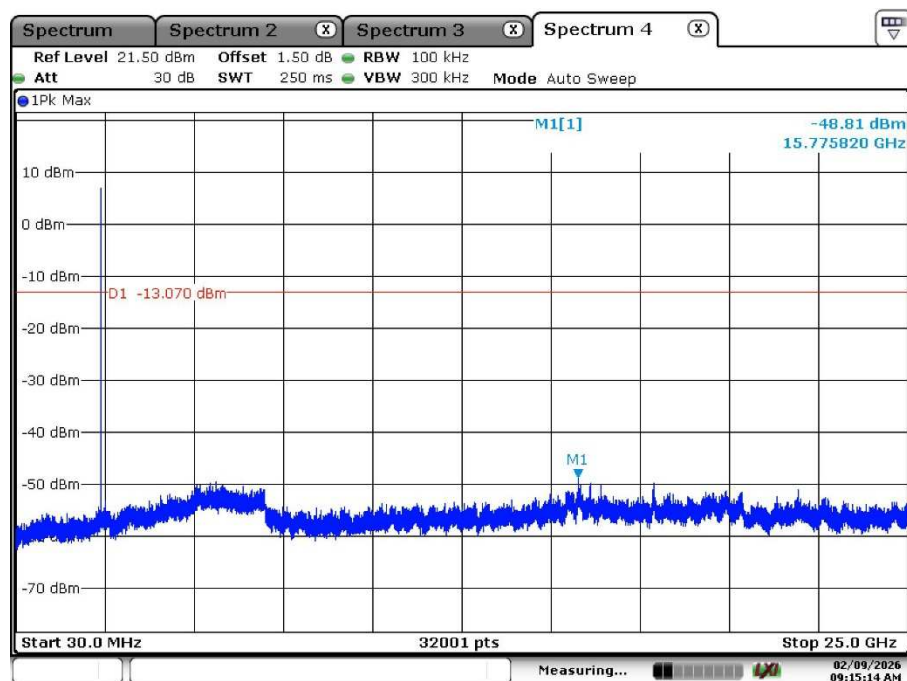


Fixed mode, Conducted Spurious Emission

Low Channel

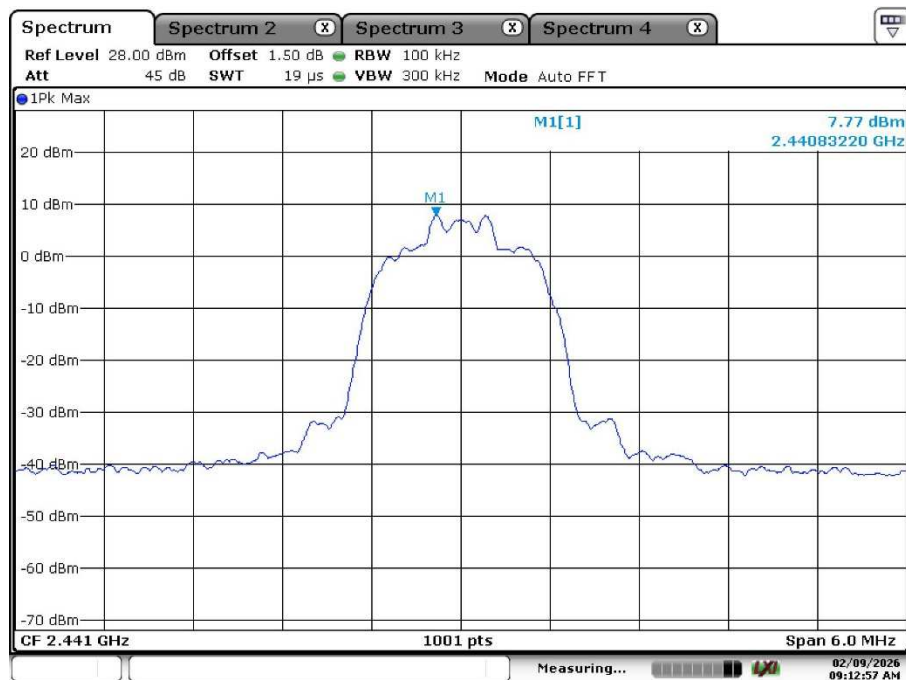


Date: 9.FEB.2026 09:13:50

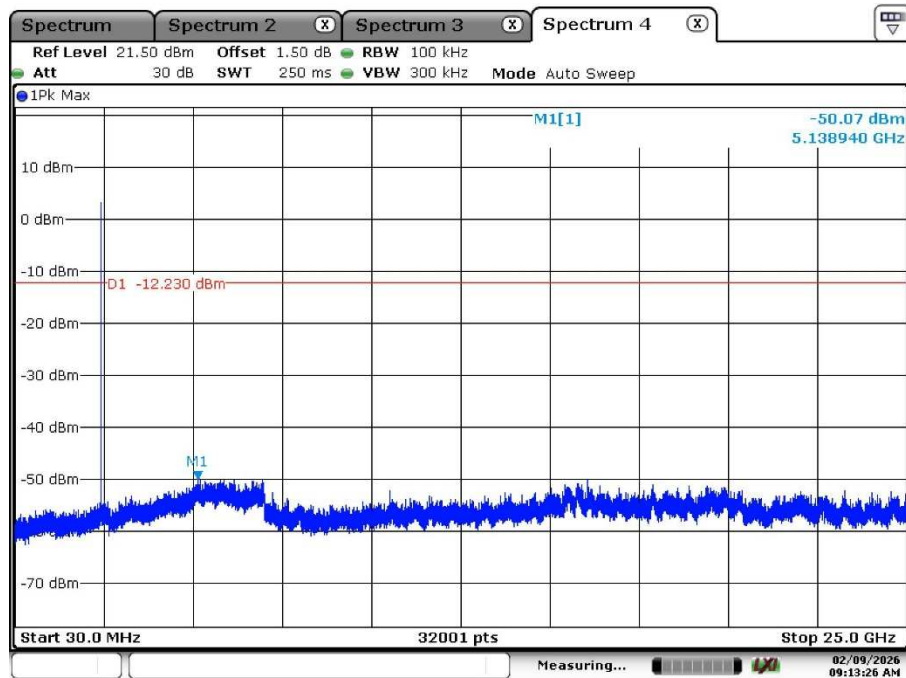


Date: 9.FEB.2026 09:15:14

Middle Channel

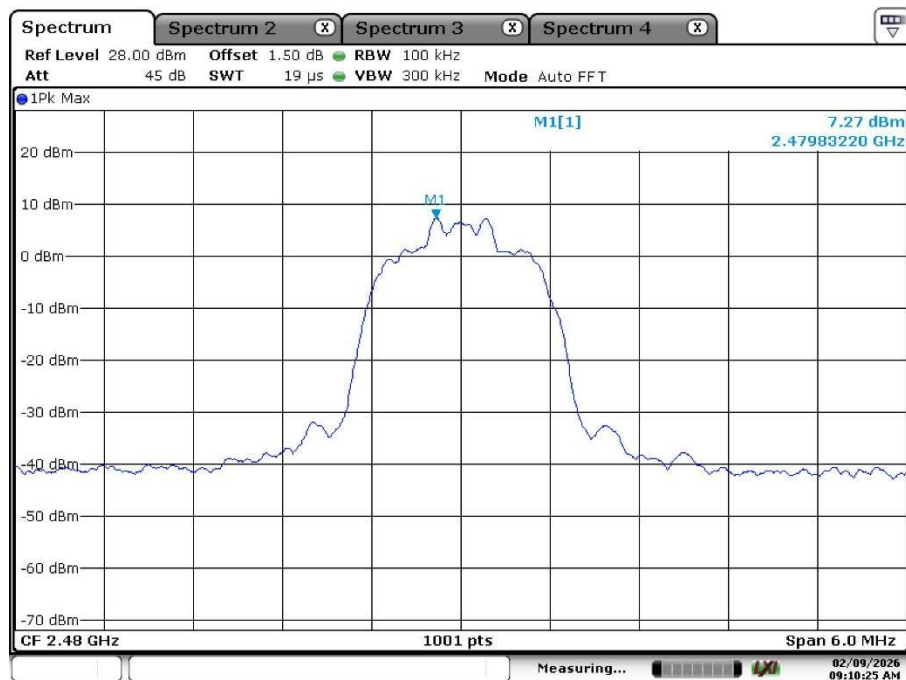


Date: 9.FEB.2026 09:12:58

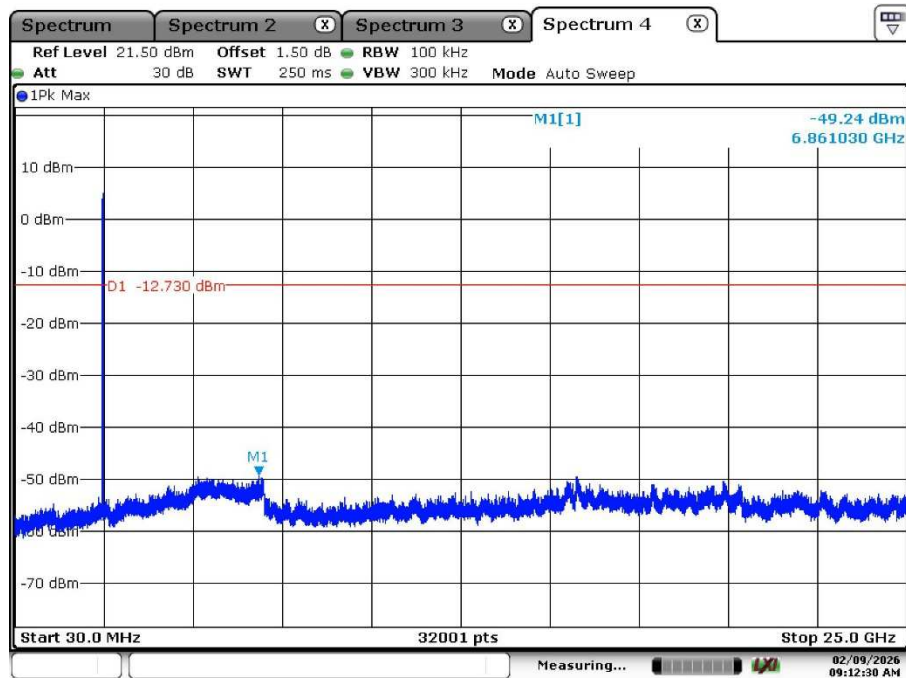


Date: 9.FEB.2026 09:13:27

High Channel



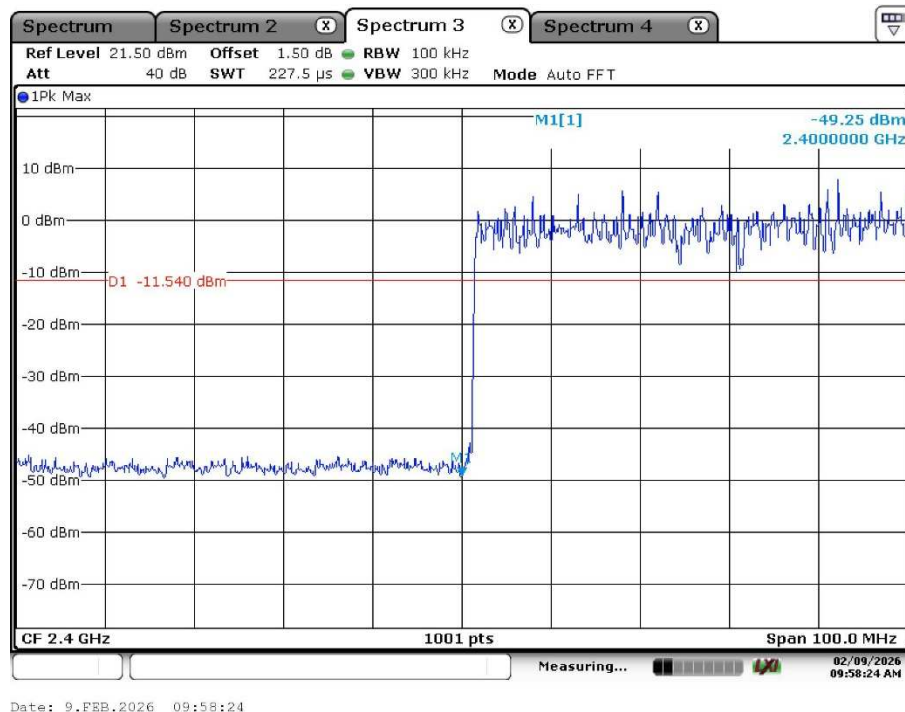
Date: 9.FEB.2026 09:10:25



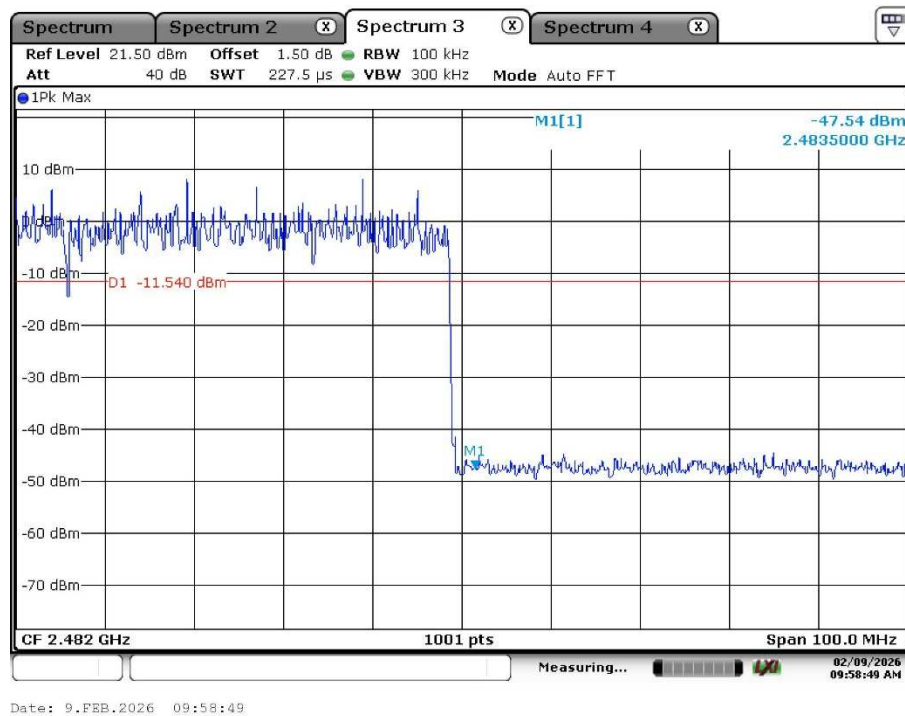
Date: 9.FEB.2026 09:12:31

Hopping Mode, Band Edge

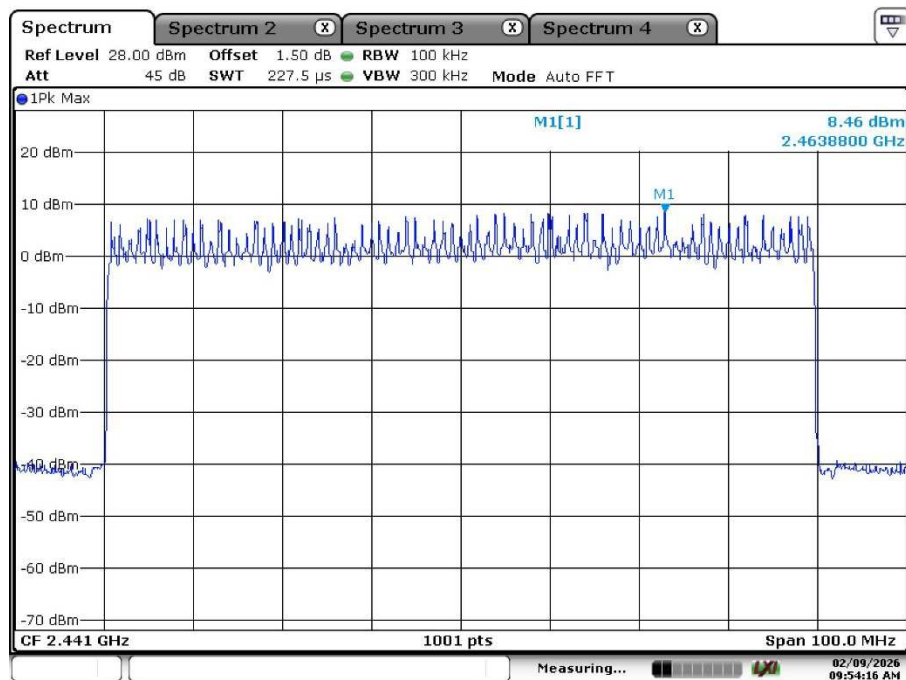
Low Channel



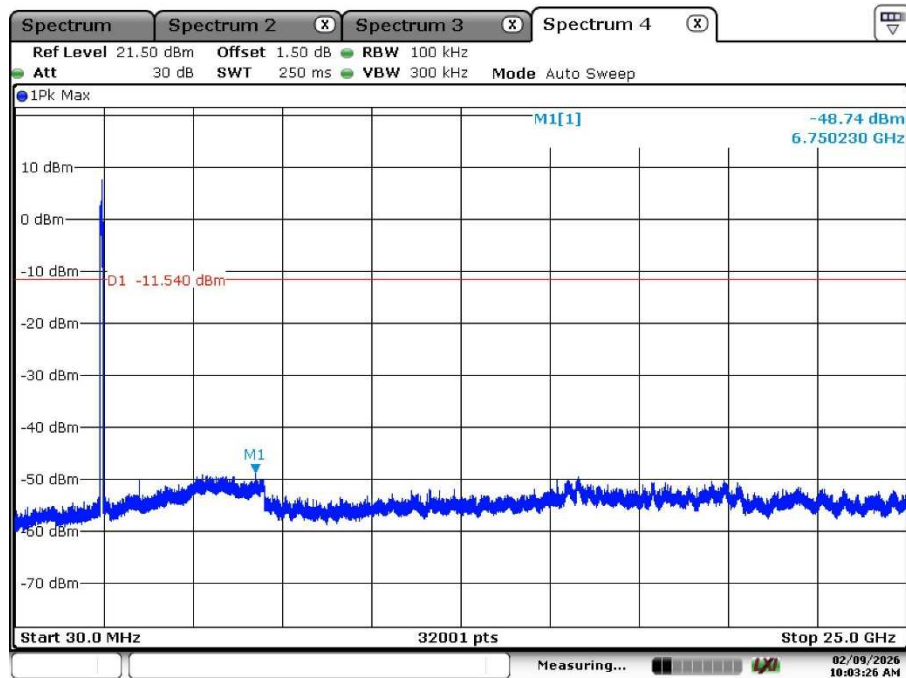
High Channel



Hopping Mode, Conducted Spurious Emission



Date: 9.FEB.2026 09:54:16



Date: 9.FEB.2026 10:03:26

Appendix A.7: Test Results of Radiated Spurious Emissions

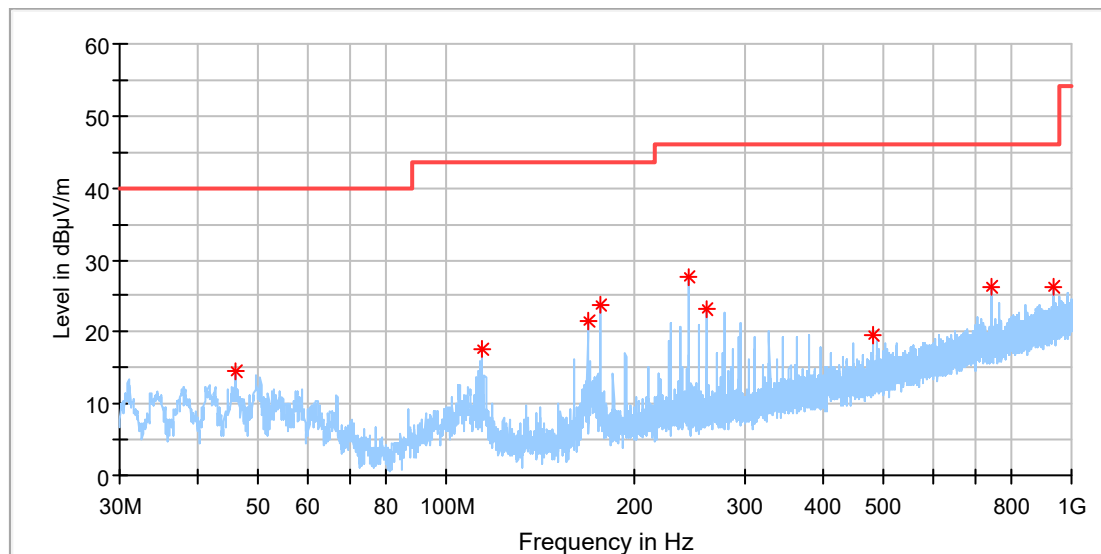
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) 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.

30MHz - 1GHz

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

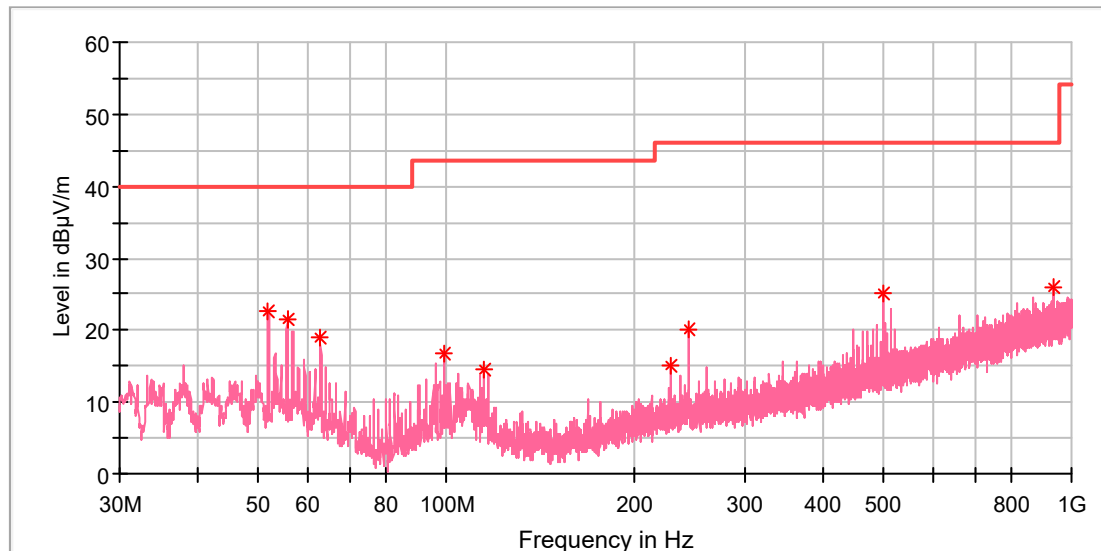
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.058889	14.42	40.00	25.58	100.0	H	249.0	-18.8
114.066667	17.52	43.50	25.98	100.0	H	14.0	-19.7
168.225000	21.52	43.50	21.98	100.0	H	177.0	-21.4
176.631667	23.75	43.50	19.75	100.0	H	0.0	-20.9
244.747222	27.65	46.00	18.35	100.0	H	170.0	-17.5
261.614444	23.14	46.00	22.86	100.0	H	177.0	-17.1
481.050000	19.42	46.00	26.58	100.0	H	288.0	-12.1
742.518889	26.29	46.00	19.71	100.0	H	0.0	-7.2
938.405000	26.21	46.00	19.79	100.0	H	39.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Bluetooth Speaker
Model: VOYAGEBOOM
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004197268-001
Test Voltage: AC 120V/60Hz
Remark: Temp 22 Humi:55%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

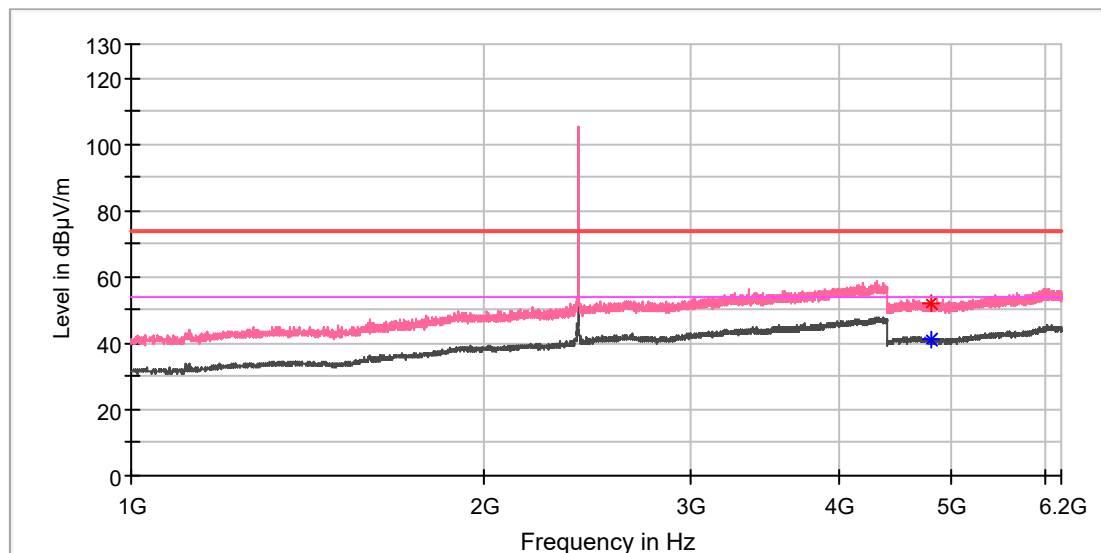
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.986667	22.50	40.00	17.50	100.0	V	0.0	-18.4
55.651111	21.46	40.00	18.54	100.0	V	0.0	-18.6
62.926111	18.97	40.00	21.03	100.0	V	0.0	-19.8
99.355000	16.73	43.50	26.77	100.0	V	159.0	-19.2
114.767222	14.47	43.50	29.03	100.0	V	45.0	-19.8
227.880000	15.05	46.00	30.95	100.0	V	339.0	-18.3
244.747222	19.97	46.00	26.03	100.0	V	0.0	-17.5
497.971111	25.11	46.00	20.89	100.0	V	245.0	-11.9
938.405000	26.07	46.00	19.93	100.0	V	145.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
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)
4802.000000	52.22	---	74.00	21.78	150.0	V	248.0	13.3
4803.000000	---	41.14	54.00	12.86	150.0	V	148.0	13.3

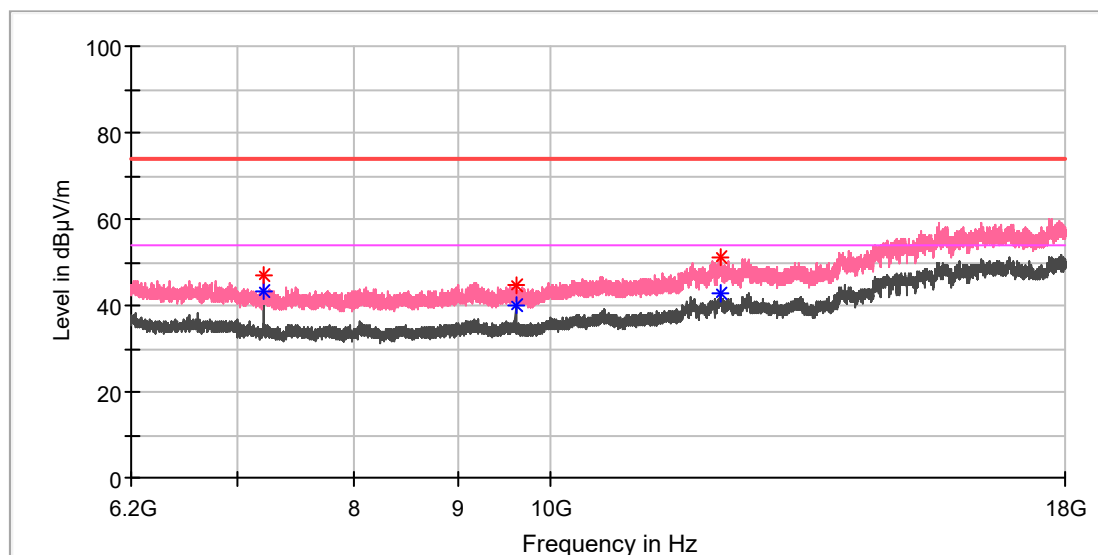
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

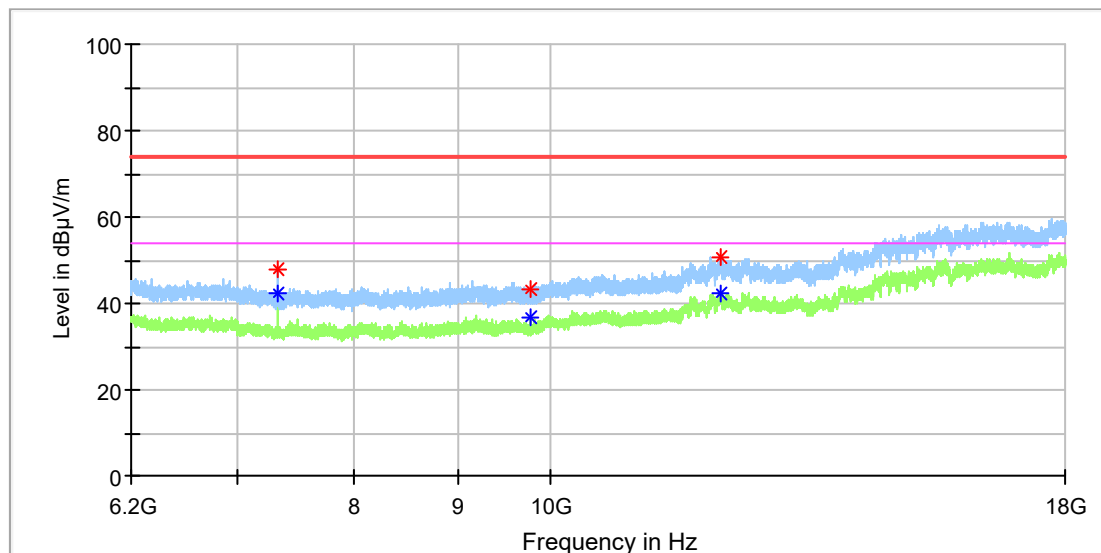
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	46.87	---	74.00	27.13	150.0	V	232.0	8.8
7205.950000	---	43.35	54.00	10.65	150.0	V	232.0	8.8
9607.741667	44.45	---	74.00	29.55	150.0	V	298.0	10.4
9607.741667	---	40.03	54.00	13.97	150.0	V	298.0	10.4
12156.050000	---	42.79	54.00	11.21	150.0	V	276.0	16.4
12159.491667	50.98	---	74.00	23.02	150.0	V	355.0	16.2

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

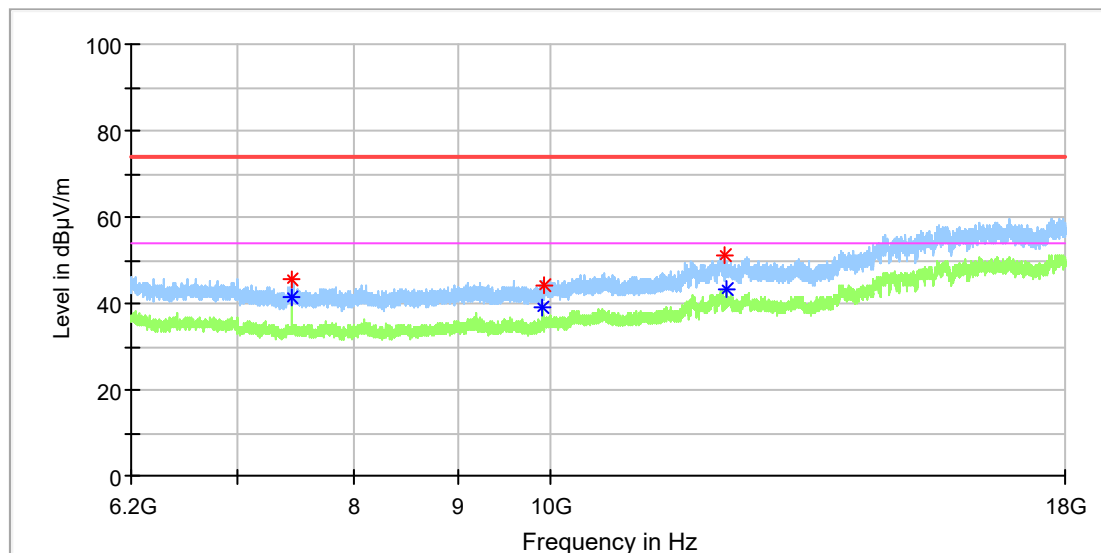
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	47.73	---	74.00	26.27	150.0	H	231.0	8.2
7322.966667	---	42.40	54.00	11.60	150.0	H	231.0	8.2
9763.600000	---	36.54	54.00	17.46	150.0	H	39.0	10.4
9764.091667	43.46	---	74.00	30.54	150.0	H	220.0	10.4
12132.450000	50.64	---	74.00	23.36	150.0	H	61.0	16.3
12133.433333	---	42.48	54.00	11.52	150.0	H	152.0	16.3

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

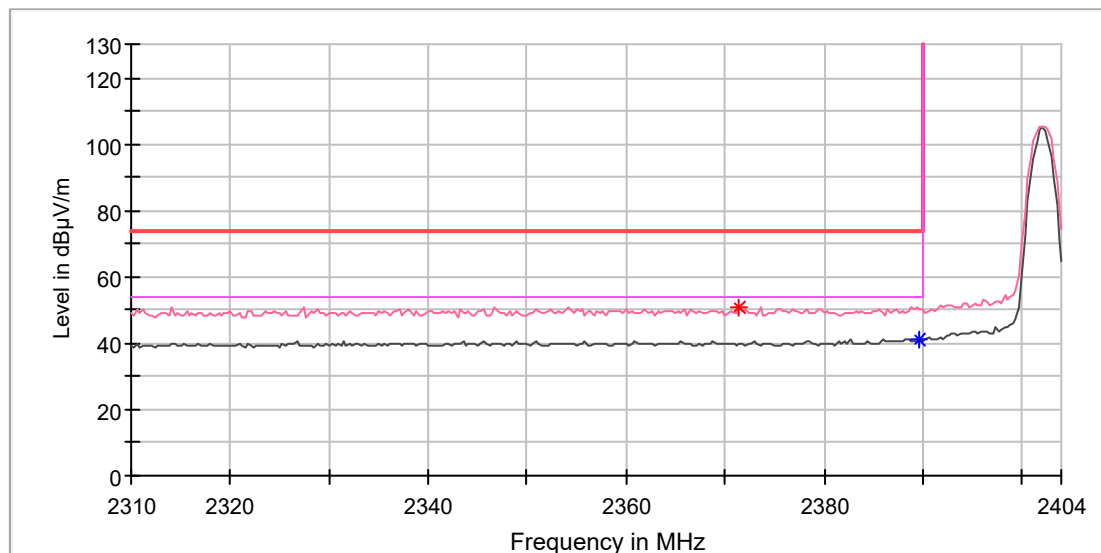
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.983333	---	41.46	54.00	12.54	150.0	H	230.0	8.4
7440.475000	45.50	---	74.00	28.50	150.0	H	230.0	8.4
9919.950000	---	38.97	54.00	15.03	150.0	H	198.0	10.8
9920.441667	44.10	---	74.00	29.90	150.0	H	240.0	10.8
12199.808333	50.99	---	74.00	23.01	150.0	H	20.0	15.6
12235.700000	---	43.19	54.00	10.81	150.0	H	2.0	16.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Bluetooth Speaker
Model:	VOYAGEBOOM
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004197268-001
Test Voltage:	AC 120V/60Hz
Remark:	Temp 22 Humi:55%
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)
2371.470588	51.03	---	74.00	22.97	150.0	V	311.0	8.5
2389.705882	---	41.13	54.00	12.87	150.0	V	267.0	8.5

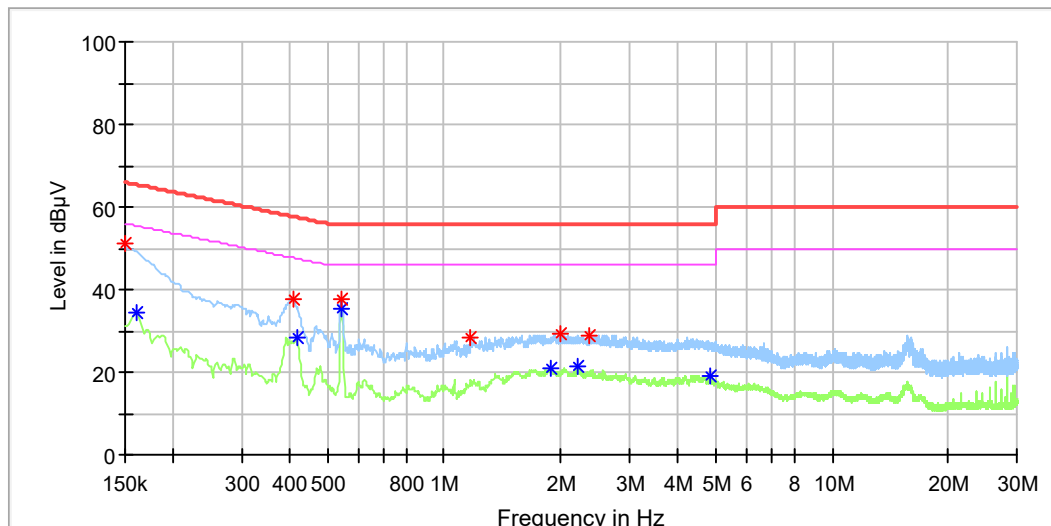
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Appendix A.9: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	Bluetooth Speaker
Order Number:	27200672
Model:	VOYAGEBOOM
Test Mode:	Charging + BT Link
Test Voltage:	AC AC 120V/60Hz
Test Standard:	FCC PART 15
Test By:/Review By:	Simon Feng/ Charlie Zha
Tem./Hum./Pressure:	24.3°C/51.5%/101kPa
Remark:	SR2



Critical_Freqs

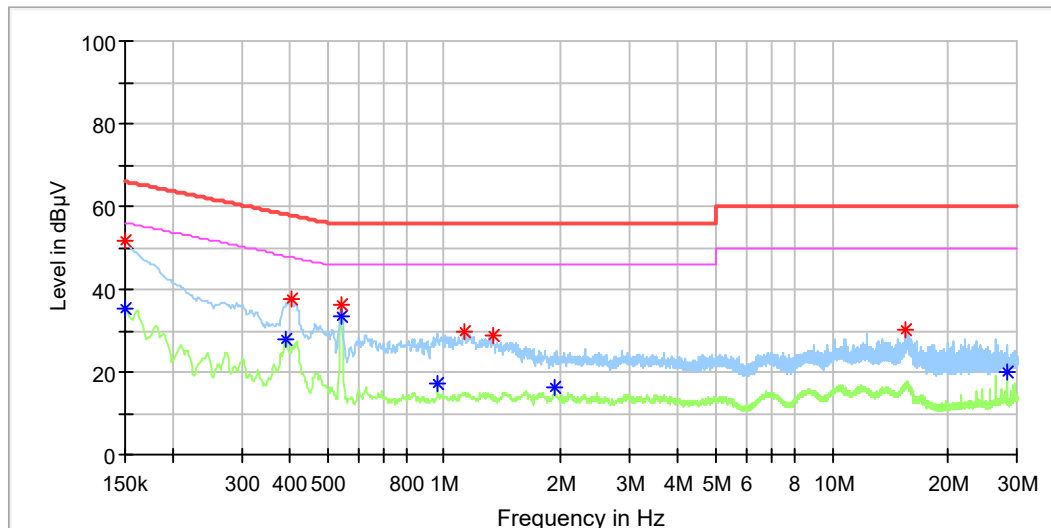
Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.15	51.26	---	66.00	14.74	L1	10.23
0.16	---	34.46	55.47	21.00	L1	10.24
0.41	37.78	---	57.71	19.93	L1	10.25
0.42	---	28.45	47.51	19.06	L1	10.25
0.54	---	35.29	46.00	10.71	L1	10.26
0.54	37.75	---	56.00	18.25	L1	10.26
1.17	28.28	---	56.00	27.72	L1	10.28
1.88	---	20.80	46.00	25.20	L1	10.30
1.99	29.32	---	56.00	26.68	L1	10.31
2.21	---	21.23	46.00	24.77	L1	10.31
2.36	28.97	---	56.00	27.03	L1	10.32
4.86	---	19.24	46.00	26.76	L1	10.42

Final Result

[illegible]

EUT Information

EUT Name:	Bluetooth Speaker
Order Number:	27200672
Model:	VOYAGEBOOM
Test Mode:	Charging + BT Link
Test Voltage:	AC AC 120V/60Hz
Test Standard:	FCC PART 15
Test By:/Review By:	Simon Feng/ Charlie Zha
Tem./Hum./Pressure:	24.3°C/51.5%/101kPa
Remark:	SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.15	51.52	---	66.00	14.48	N	10.25
0.15	---	35.42	56.00	20.58	N	10.25
0.39	---	28.12	48.05	19.93	N	10.26
0.40	37.88	---	57.78	19.89	N	10.26
0.54	---	33.35	46.00	12.65	N	10.27
0.54	36.05	---	56.00	19.95	N	10.27
0.96	---	17.11	46.00	28.89	N	10.29
1.13	29.64	---	56.00	26.36	N	10.29
1.34	28.66	---	56.00	27.34	N	10.30
1.92	---	16.30	46.00	29.70	N	10.31
15.51	30.02	---	60.00	29.98	N	10.78
28.37	---	20.15	50.00	29.85	N	11.41

Final Result

[illegible]