

Annex 1: Measurement diagrams to
TEST REPORT
No.: 18-1-0248301T08a

According to:

CFR Title 47, Part 15, Subpart C
§15.247 (FHSS)

ISED-Regulations
RSS-Gen, Issue 5
RSS-247, Issue 2

for

Robert Bosch Car Multimedia GmbH

AIVIV10
Multimedia device with Bluetooth and WLAN

FCC ID: YBN-AIVIV10
ISED: 9595A-AIVIV10

Laboratory Accreditation
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 D-PL-12047-01-03 D-PL-12047-01-04
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1. Conducted RF Measurements on Antenna Port

1.1. Peak Power Conducted

Modulation	DUT Frequency (MHz)	Peak Power (dbm)	Antenna Gain (dBi)	EIRP (dBm)
DH1	2402	-1.6	-8.2	-9.8
	2441	-2.2	-7.6	-9.8
	2480	-2.4	-6.4	-8.8
2DH1	2402	-2.2	-8.2	-10.4
	2441	-2.7	-7.6	-10.3
	2480	-2.9	-6.4	-9.3
3DH1	2402	-1.9	-8.2	-10.1
	2441	-2.2	-7.6	-9.8
	2480	-2.4	-6.4	-8.8

Modulation	DUT Frequency (MHz)	Peak Power (dbm)	Antenna Gain (dBi)	EIRP (dBm)
DH3	2402	-1.7	-8.2	-9.9
	2441	-2.3	-7.6	-9.9
	2480	-2.5	-6.4	-8.9
2DH3	2402	-2.2	-8.2	-10.4
	2441	-2.6	-7.6	-10.2
	2480	-2.7	-6.4	-9.1
3DH3	2402	-1.8	-8.2	-10
	2441	-2.2	-7.6	-9.8
	2480	-2.4	-6.4	-8.8

Modulation	DUT Frequency (MHz)	Peak Power (dbm)	Antenna Gain (dBi)	EIRP (dBm)
DH5	2402	-1.5	-8.2	-9.7
	2441	-2.2	-7.6	-9.8
	2480	-2.4	-6.4	-8.8
2DH5	2402	-2.1	-8.2	-10.3
	2441	-2.6	-7.6	-10.2
	2480	-2.7	-6.4	-9.1
3DH5	2402	-1.7	-8.2	-9.9
	2441	-2.2	-7.6	-9.8
	2480	-2.3	-6.4	-8.7

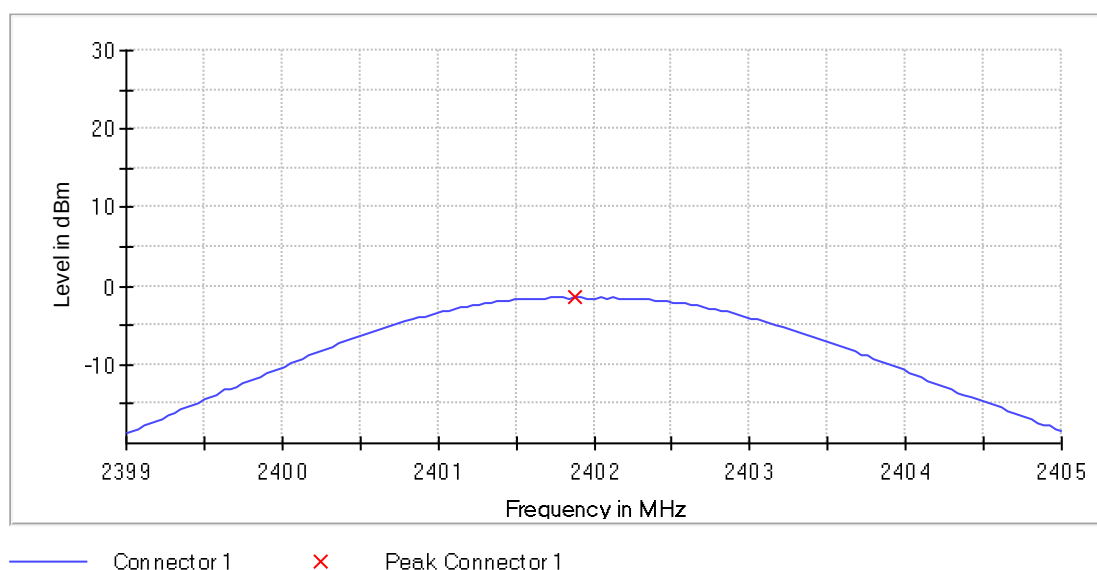
DH5

Peak output power (Sweep) (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2402.000000	-1.5	21.0	PASS



Measurement

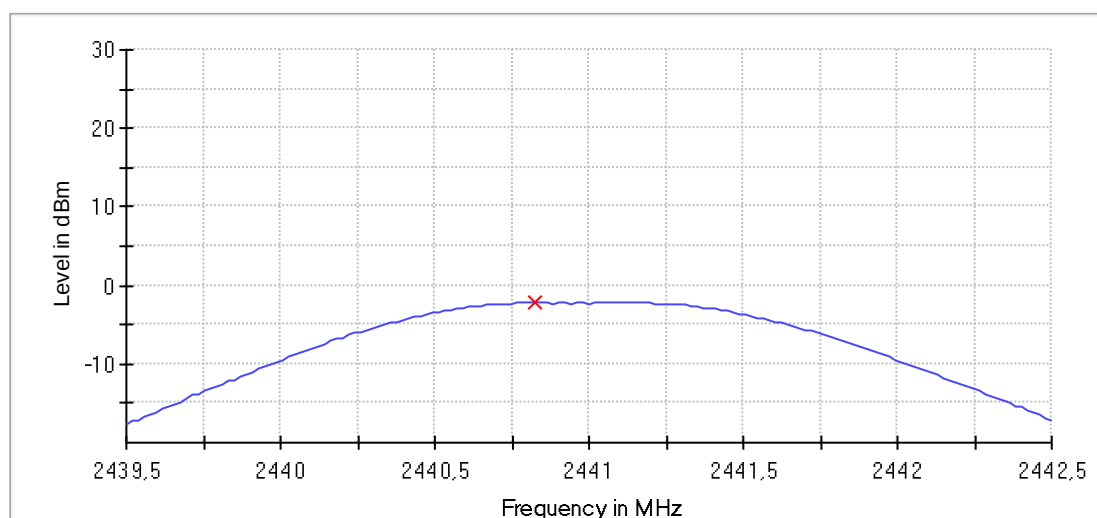
Setting	Instrument Value	Target Value
Start Frequency	2.39900 GHz	2.39900 GHz
Stop Frequency	2.40500 GHz	2.40500 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.06 dB	0.50 dB

Peak output power (Sweep) (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2441.000000	-2.2	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

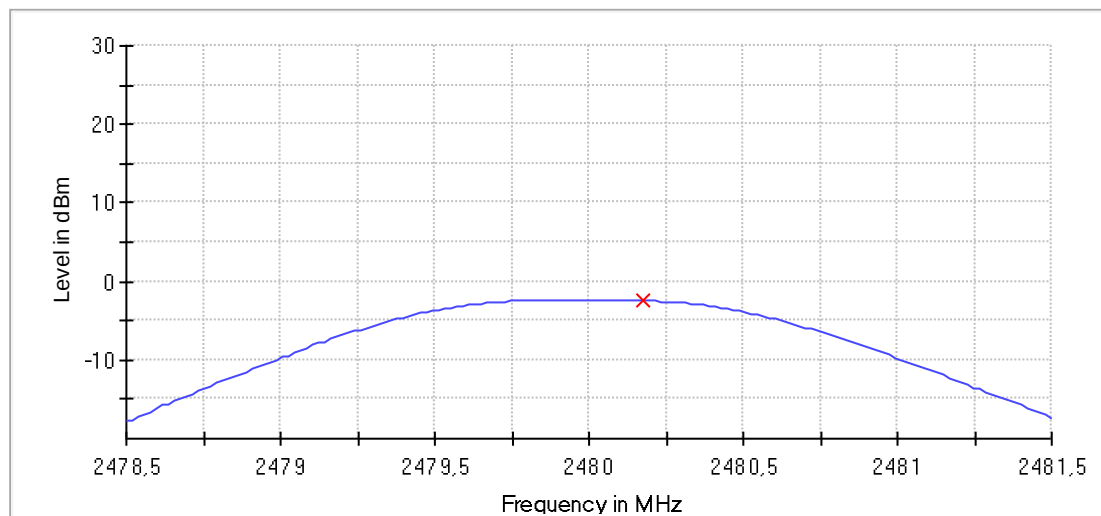
Setting	Instrument Value	Target Value
Start Frequency	2.43950 GHz	2.43950 GHz
Stop Frequency	2.44250 GHz	2.44250 GHz
Span	3.000 MHz	3.000 MHz
RBW	1.000 MHz	>= 935.001 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.08 dB	0.50 dB

Peak output power (Sweep) (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2480.000000	-2.4	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47850 GHz	2.47850 GHz
Stop Frequency	2.48150 GHz	2.48150 GHz
Span	3.000 MHz	3.000 MHz
RBW	1.000 MHz	>= 935.001 kHz
VBW	3.000 MHz	>= 3.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.07 dB	0.50 dB

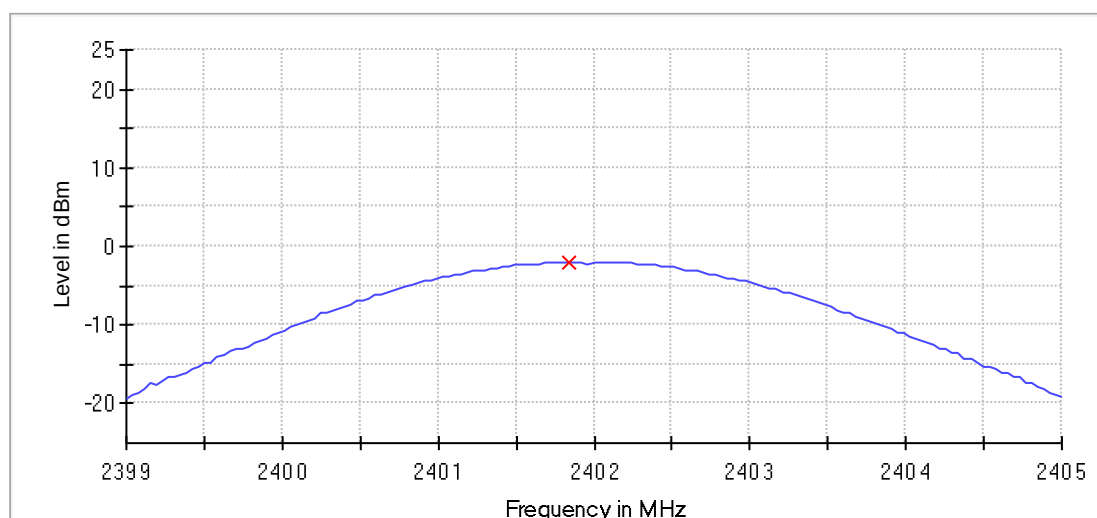
2-DH5

Peak output power (Sweep) (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2402.000000	-2.1	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

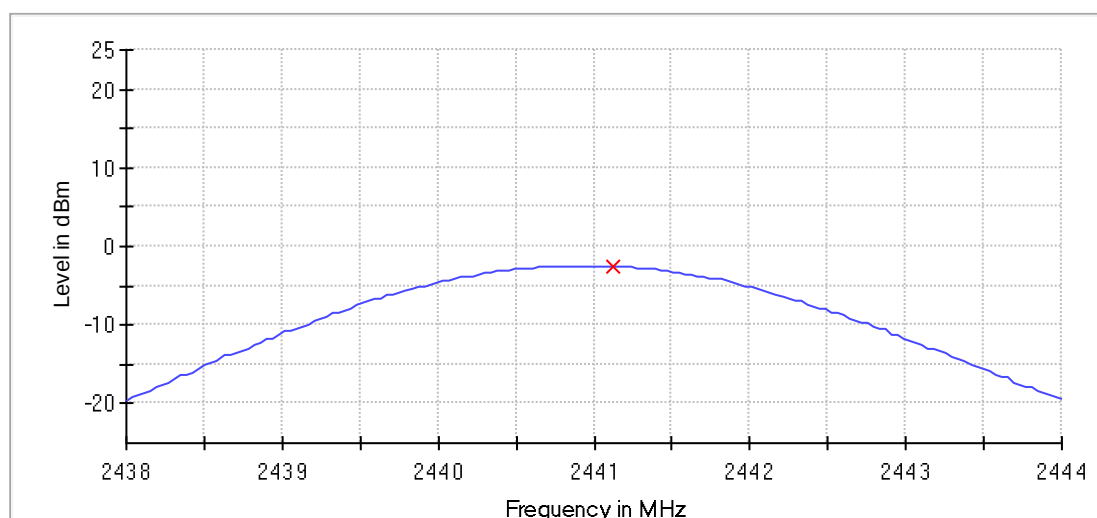
Setting	Instrument Value	Target Value
Start Frequency	2.39900 GHz	2.39900 GHz
Stop Frequency	2.40500 GHz	2.40500 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.11 dB	0.50 dB

Peak output power (Sweep) (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2441.000000	-2.6	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

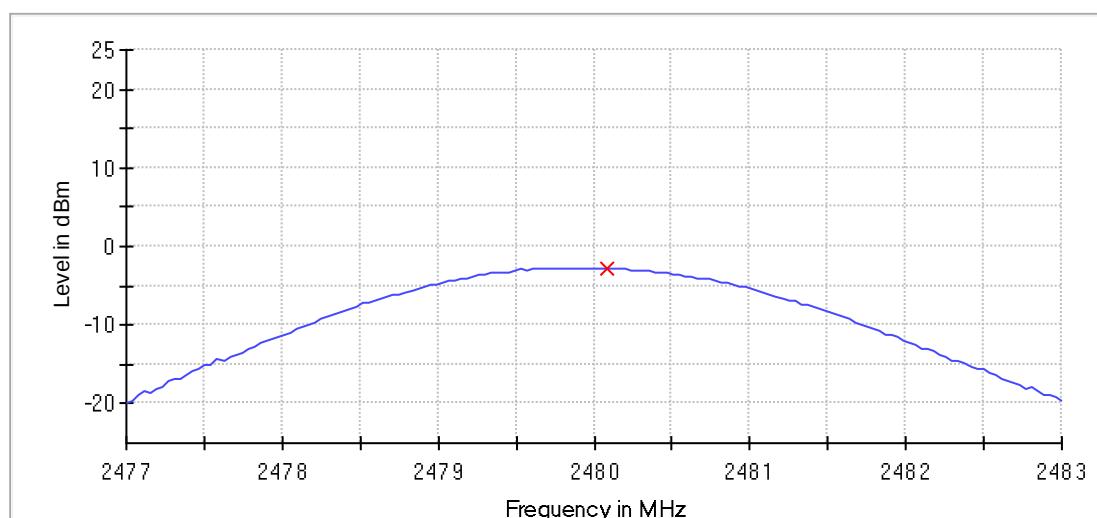
Setting	Instrument Value	Target Value
Start Frequency	2.43800 GHz	2.43800 GHz
Stop Frequency	2.44400 GHz	2.44400 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.330 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.19 dB	0.50 dB

Peak output power (Sweep) (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2480.000000	-2.7	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.47700 GHz	2.47700 GHz
Stop Frequency	2.48300 GHz	2.48300 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.330 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.14 dB	0.50 dB

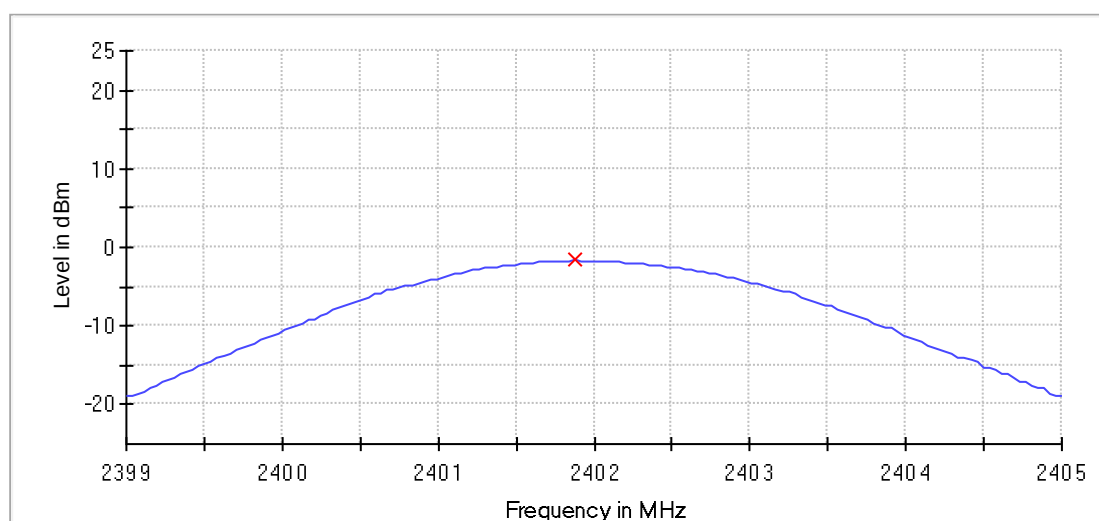
3-DH5

Peak output power (Sweep) (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2402.000000	-1.7	21.0	PASS



— Connector 1 X Peak Connector 1

Measurement

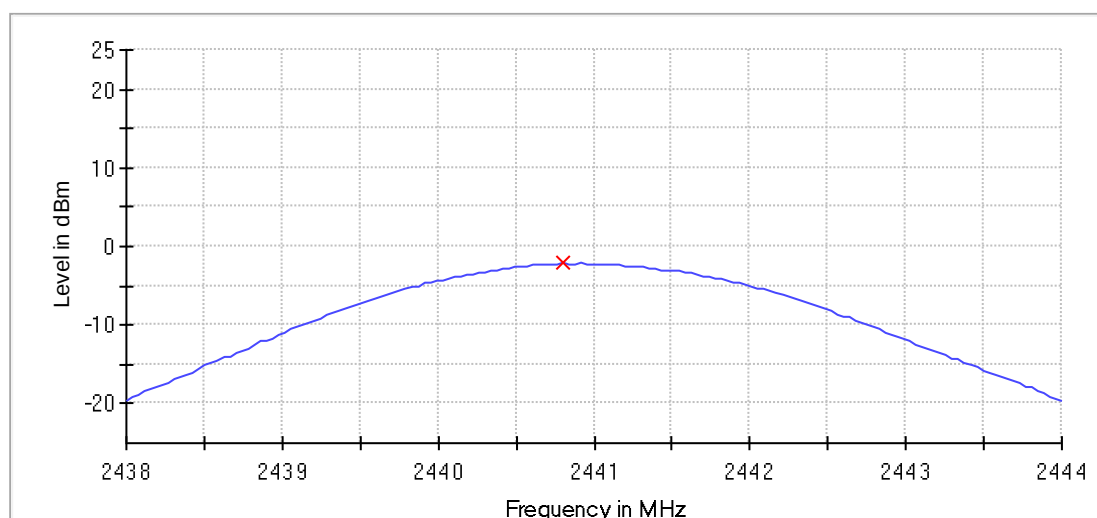
Setting	Instrument Value	Target Value
Start Frequency	2.39900 GHz	2.39900 GHz
Stop Frequency	2.40500 GHz	2.40500 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.000 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.17 dB	0.50 dB

Peak output power (Sweep) (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2441.000000	-2.2	21.0	PASS



— Connector 1 × Peak Connector 1

Measurement

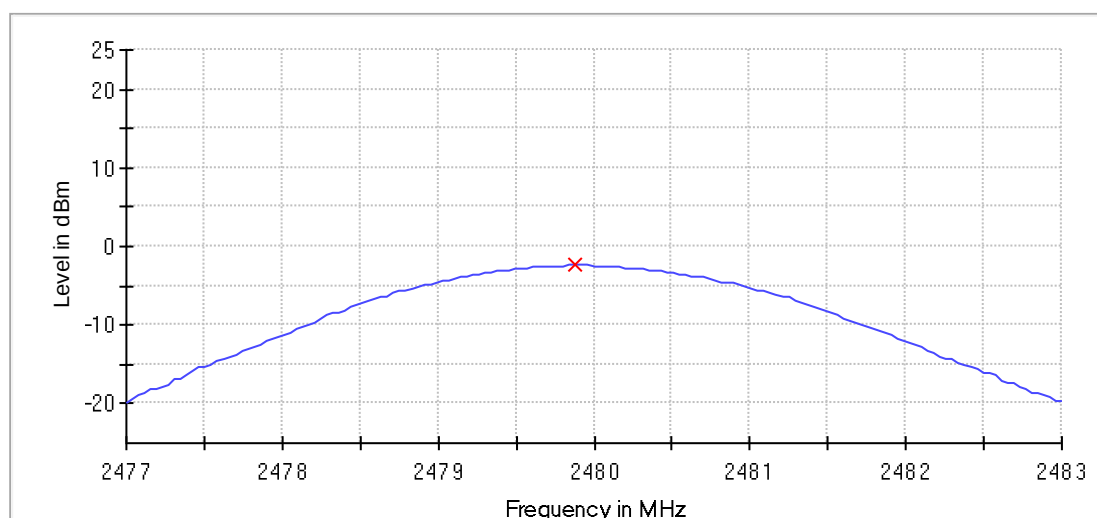
Setting	Instrument Value	Target Value
Start Frequency	2.43800 GHz	2.43800 GHz
Stop Frequency	2.44400 GHz	2.44400 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.270 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.15 dB	0.50 dB

Peak output power (Sweep) (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

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

Result

DUT Frequency (MHz)	Peak Power (dBm)	Limit Max (dBm)	Result
2480.000000	-2.3	21.0	PASS



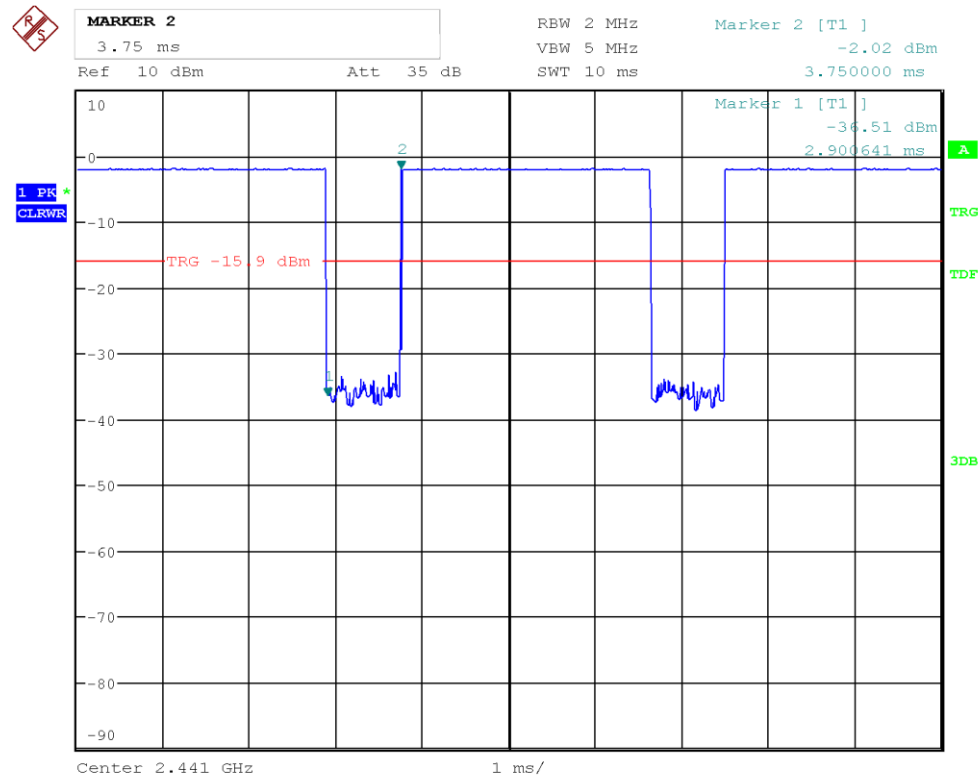
— Connector 1 × Peak Connector 1

Measurement

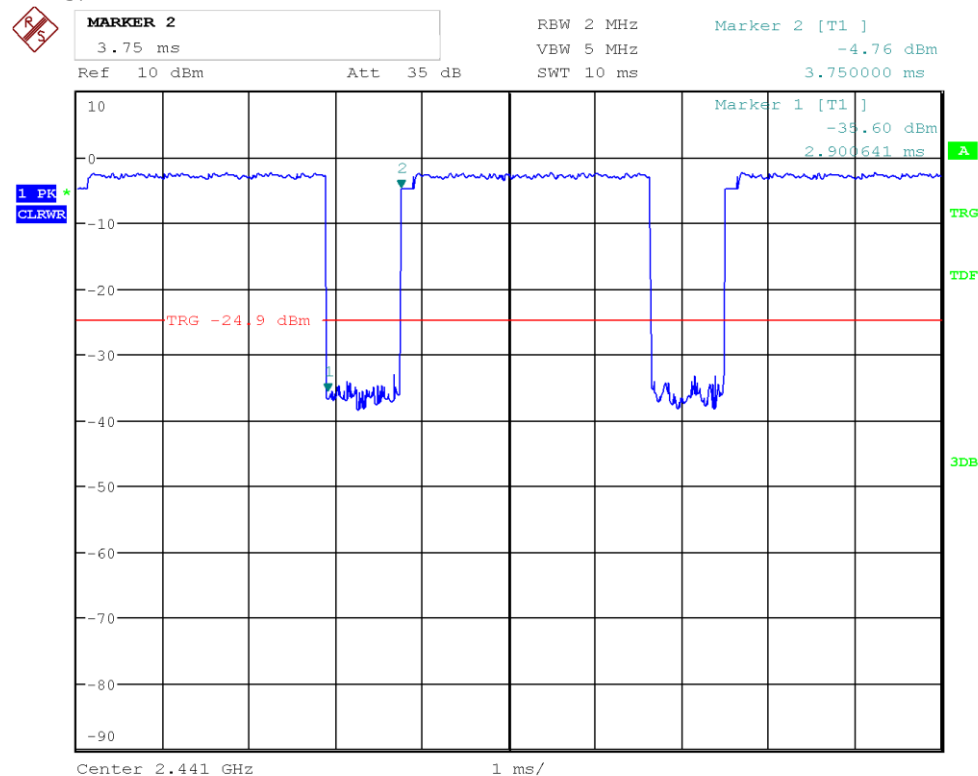
Setting	Instrument Value	Target Value
Start Frequency	2.47700 GHz	2.47700 GHz
Stop Frequency	2.48300 GHz	2.48300 GHz
Span	6.000 MHz	6.000 MHz
RBW	2.000 MHz	>= 1.270 MHz
VBW	10.000 MHz	>= 6.000 MHz
SweepPoints	155	~ 101
SweepTime	2.500 ms	AUTO
Reference Level	10.000 dBm	10.000 dBm
Attenuation	35.000 dB	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	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.19 dB	0.50 dB

1.2. Duty Cycle

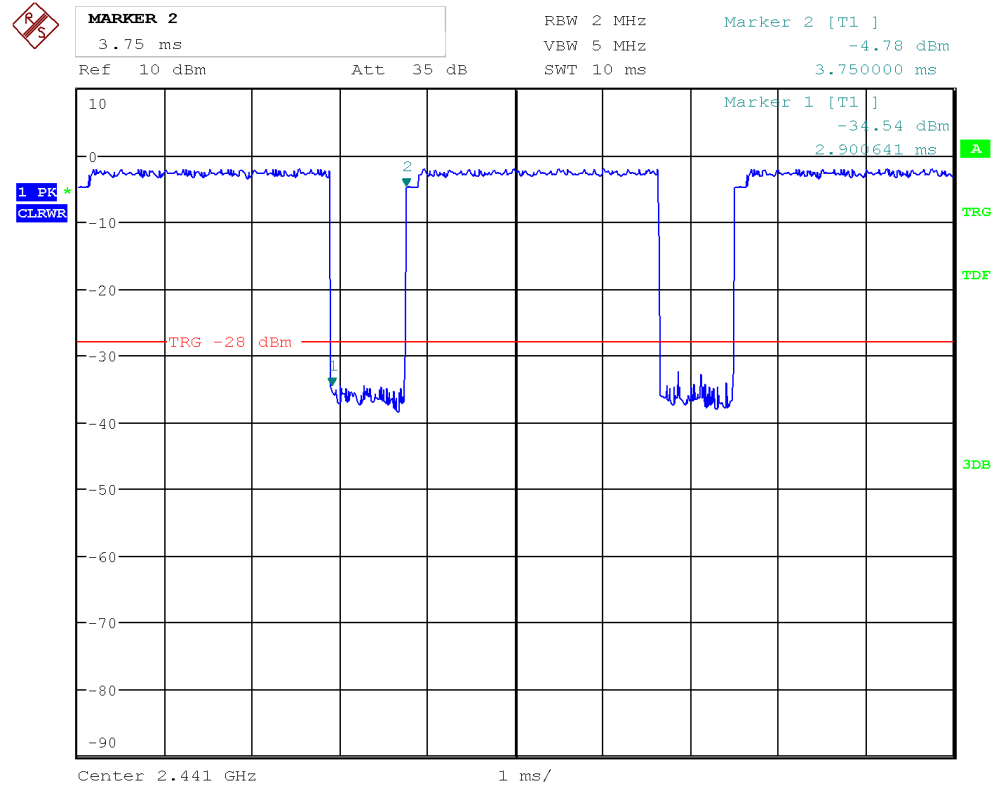
DH5:



2DH5:



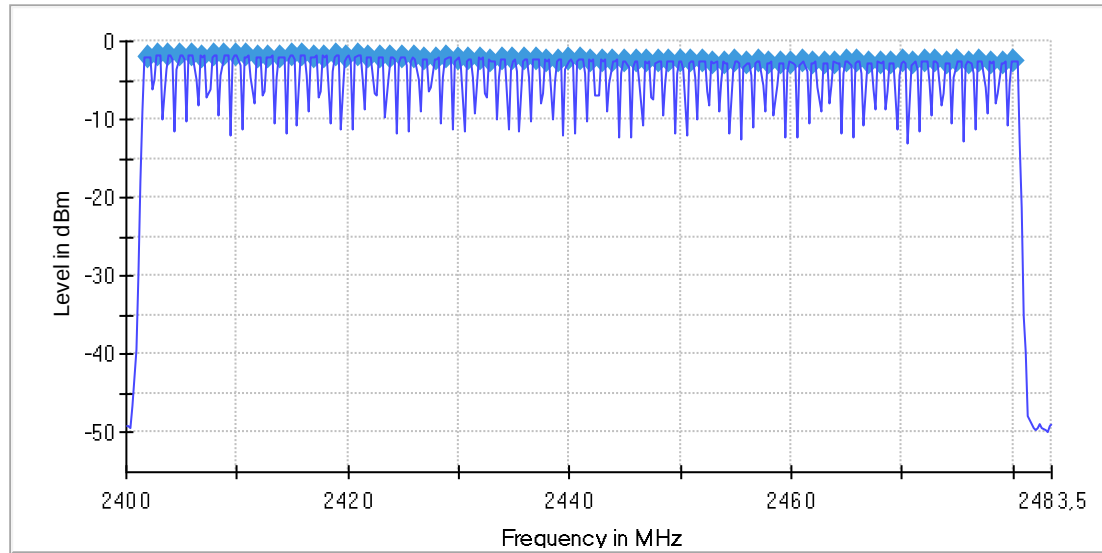
3DH5:



1.3. Number of Hopping Frequencies

Channels

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



1.4. 20dB Emission Bandwidth

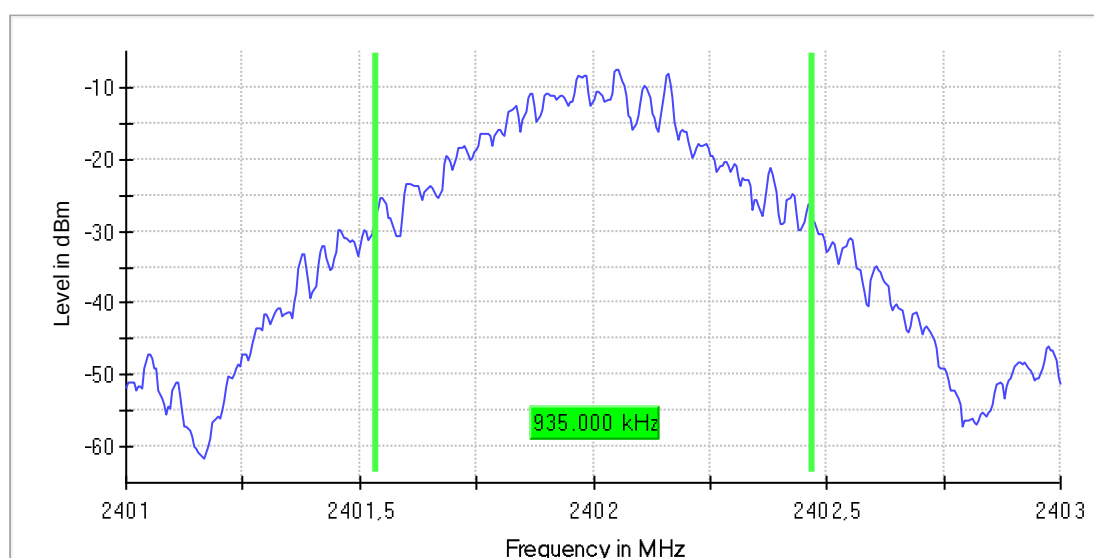
1.4.1. DH5 Emission Bandwidth 20 dB (2402 MHz; 10,000 dBm; 1 MHz)

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.935000	---	---	2401.535000	2402.470000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-7.4	PASS



Measurement

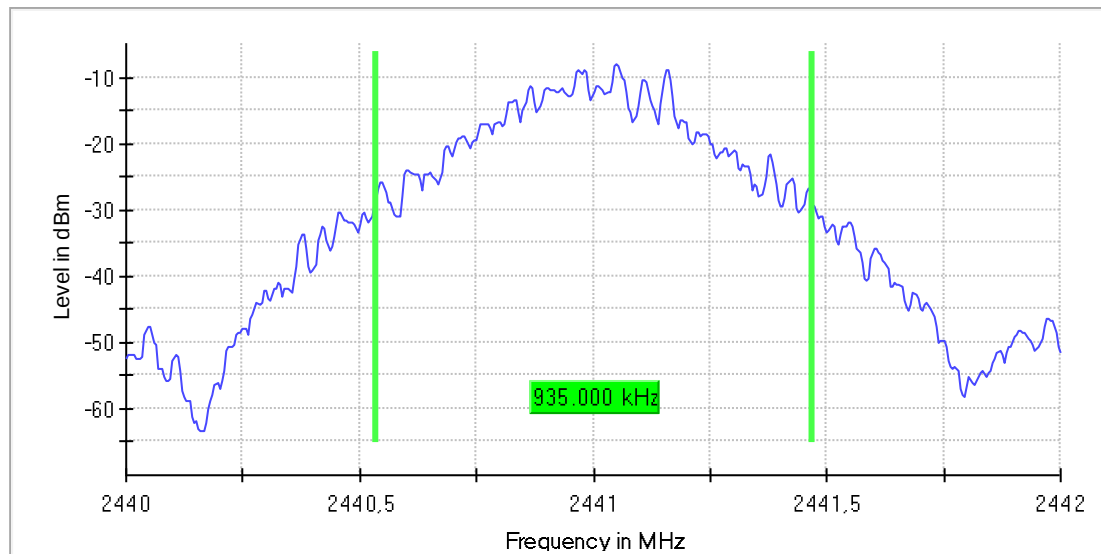
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.05 dB	0.50 dB

Emission Bandwidth 20 dB (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.935000	---	---	2440.535000	2441.470000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-8.1	PASS



Measurement

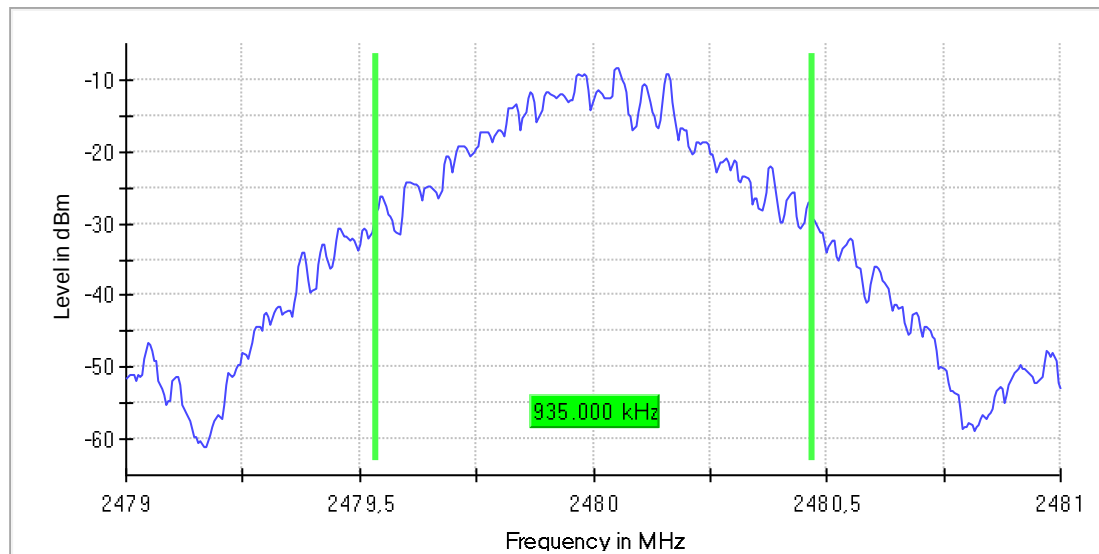
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	6 / 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)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.935000	---	---	2479.535000	2480.470000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-8.3	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	6 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.04 dB	0.50 dB

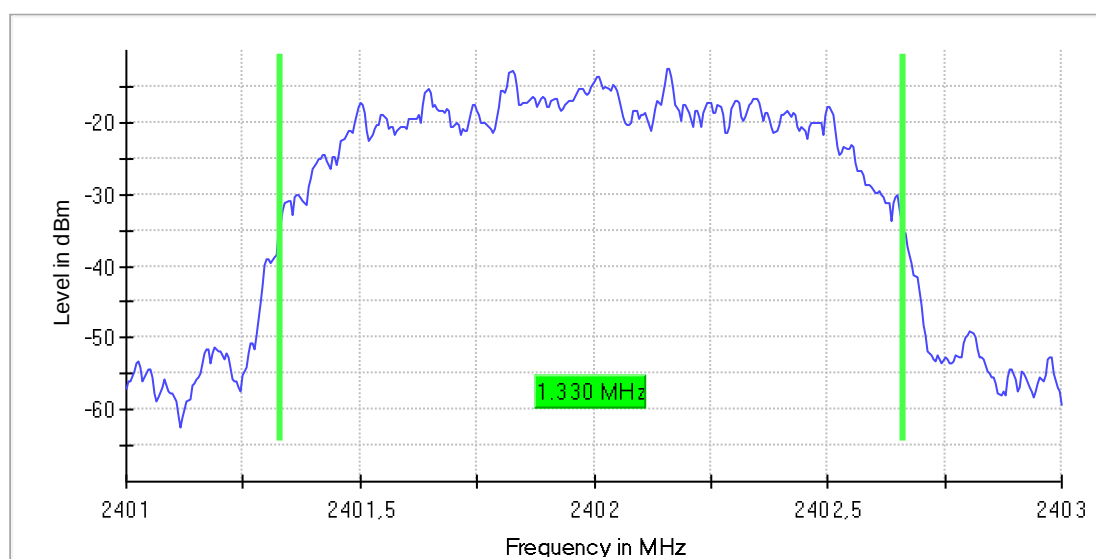
1.4.2. 2-DH5Emission Bandwidth 20 dB (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.330000	---	---	2401.330000	2402.660000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-12.6	PASS



Measurement

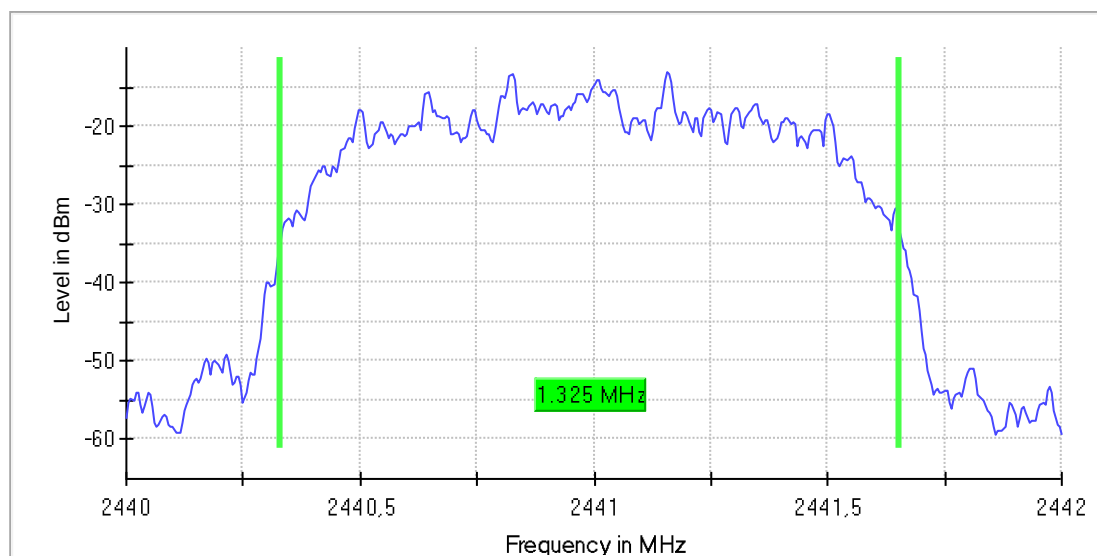
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.07 dB	0.50 dB

Emission Bandwidth 20 dB (2441 MHz; 10,000 dBm; 1 MHz)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.325000	---	---	2440.330000	2441.655000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-13.2	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	6 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.19 dB	0.50 dB

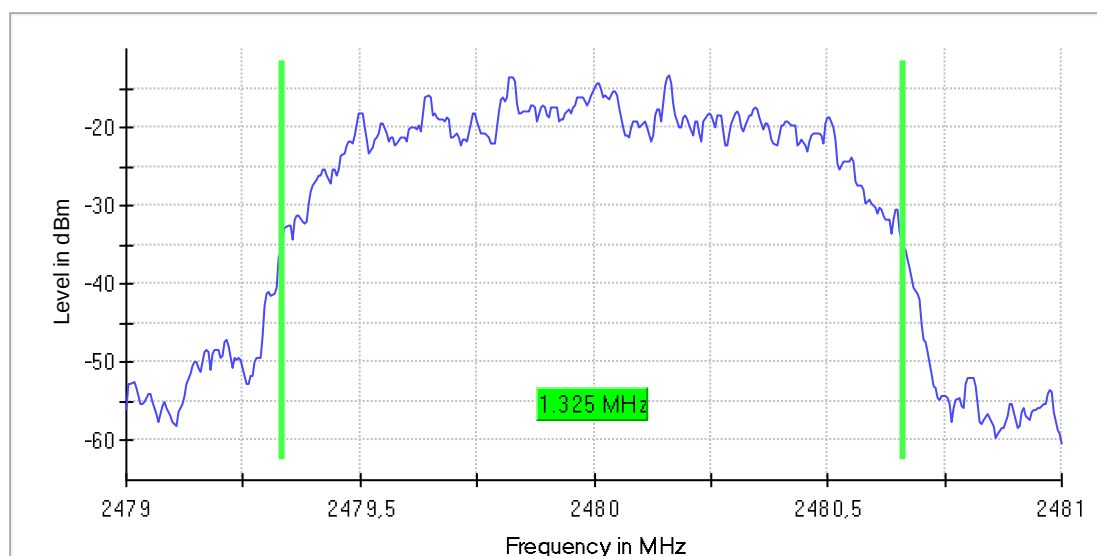
Emission Bandwidth 20 dB (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.325000	---	---	2479.335000	2480.660000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-13.4	PASS



Measurement

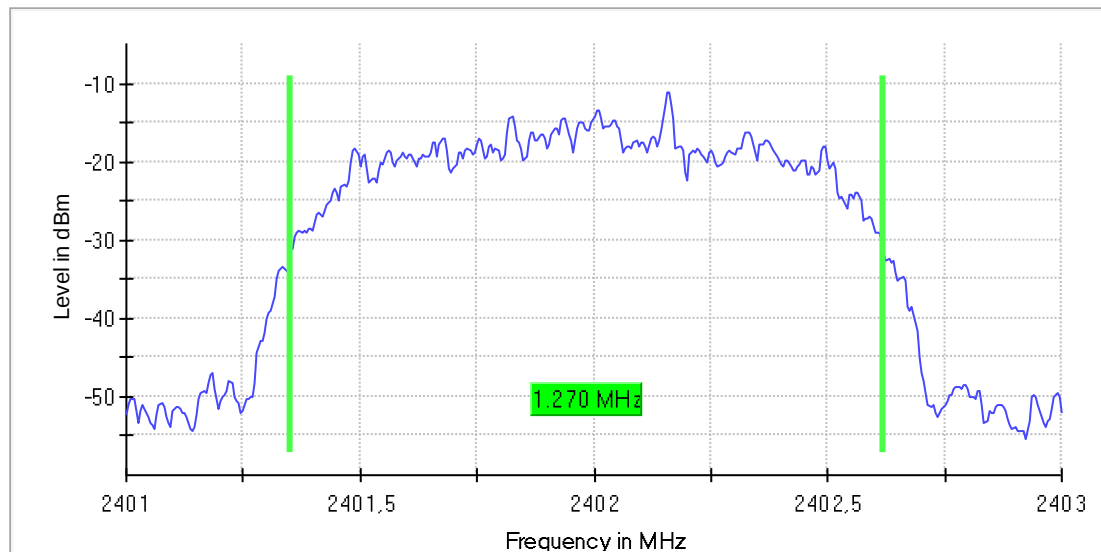
Setting	Instrument Value	Target Value
Start Frequency	2.47900 GHz	2.47900 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.04 dB	0.50 dB

1.4.3. 3-DH5 Emission Bandwidth 20 dB (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.270000	---	---	2401.350000	2402.620000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-11.2	PASS



Measurement

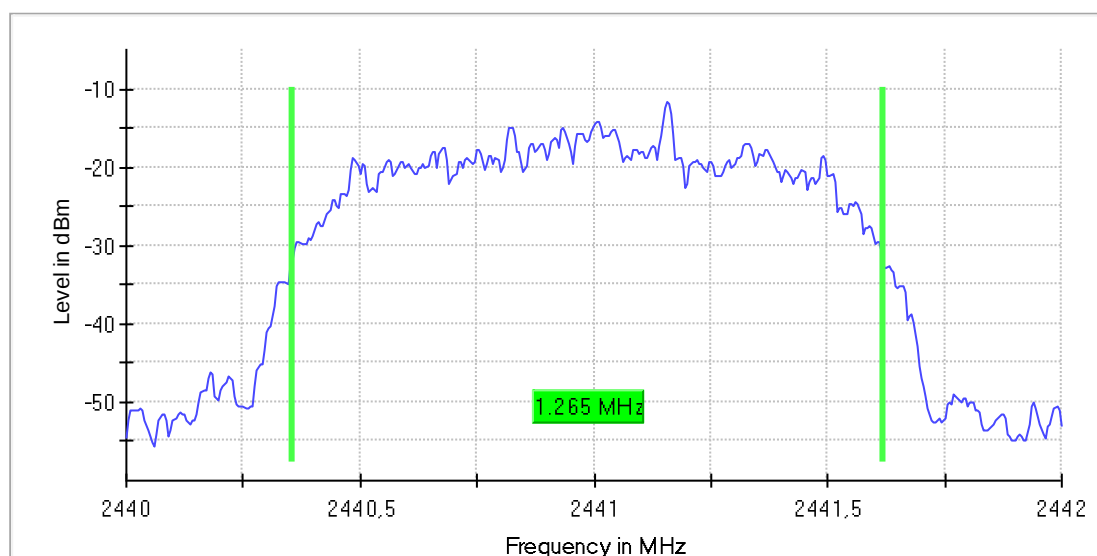
Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40300 GHz	2.40300 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	7 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.05 dB	0.50 dB

3-DH5 Emission Bandwidth 20 dB (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.265000	---	---	2440.355000	2441.620000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-11.7	PASS



Measurement

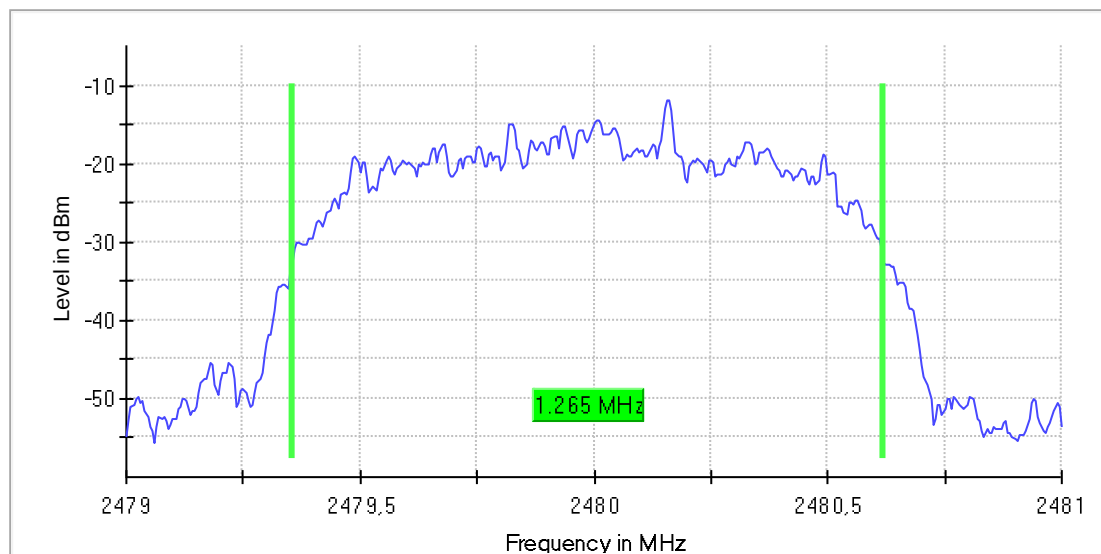
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	2.000 MHz	2.000 MHz
RBW	10.000 kHz	>= 10.000 kHz
VBW	30.000 kHz	>= 30.000 kHz
SweepPoints	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
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	6 / 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)

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.265000	---	---	2479.355000	2480.620000

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

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-12.0	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	200	200
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweptype	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.50 dB	0.50 dB
Run	6 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.09 dB	0.50 dB

1.5. 99 % Occupied Bandwidth

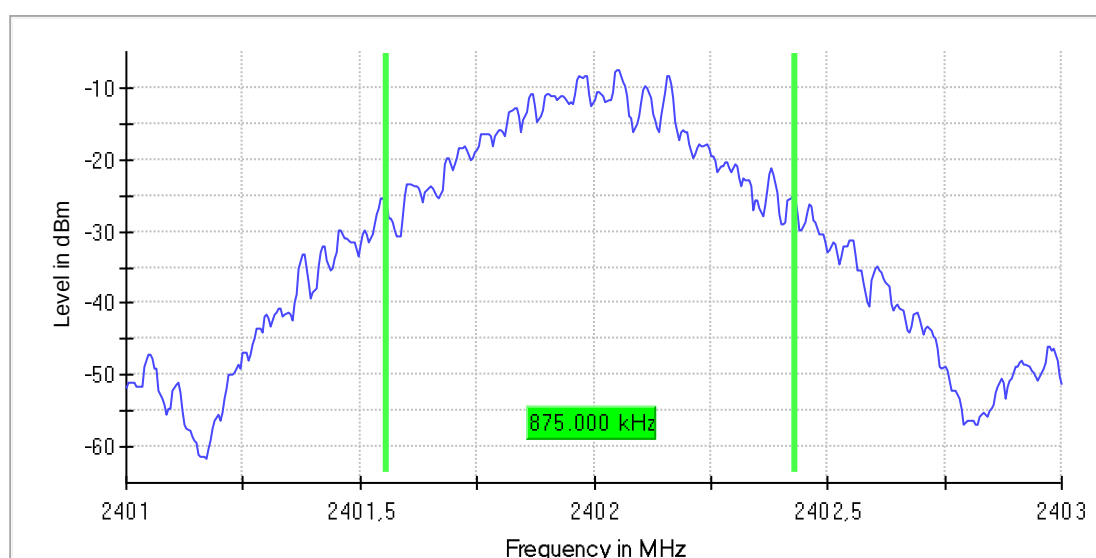
1.5.1. DH5 Occupied Channel Bandwidth 99% (2402 MHz; 10,000 dBm; 1 MHz)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.875000	---	---	2401.555000	2402.430000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamplifier	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.09 dB	0.30 dB

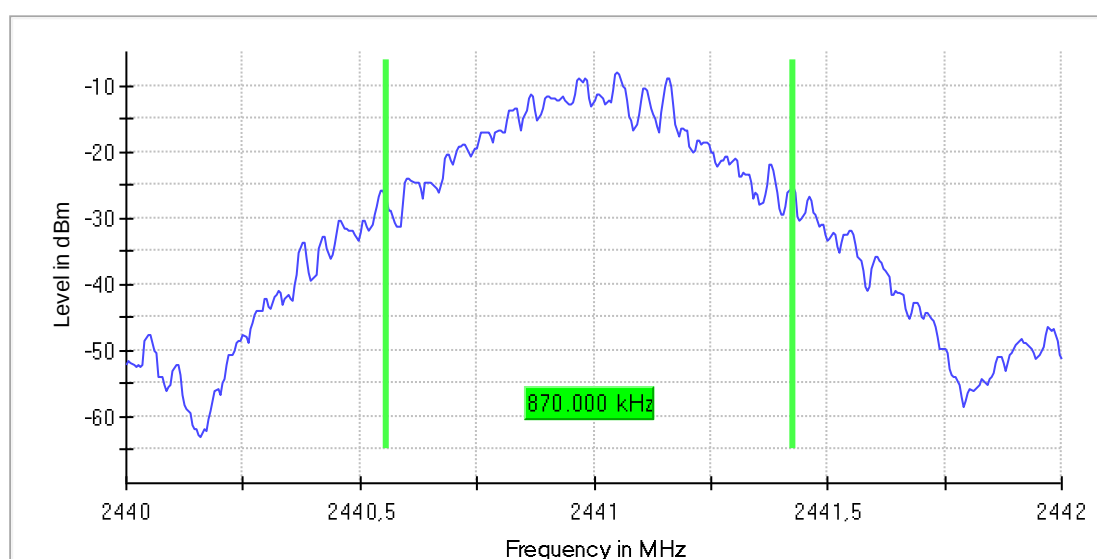
Occupied Channel Bandwidth 99% (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.870000	---	---	2440.555000	2441.425000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.02 dB	0.30 dB

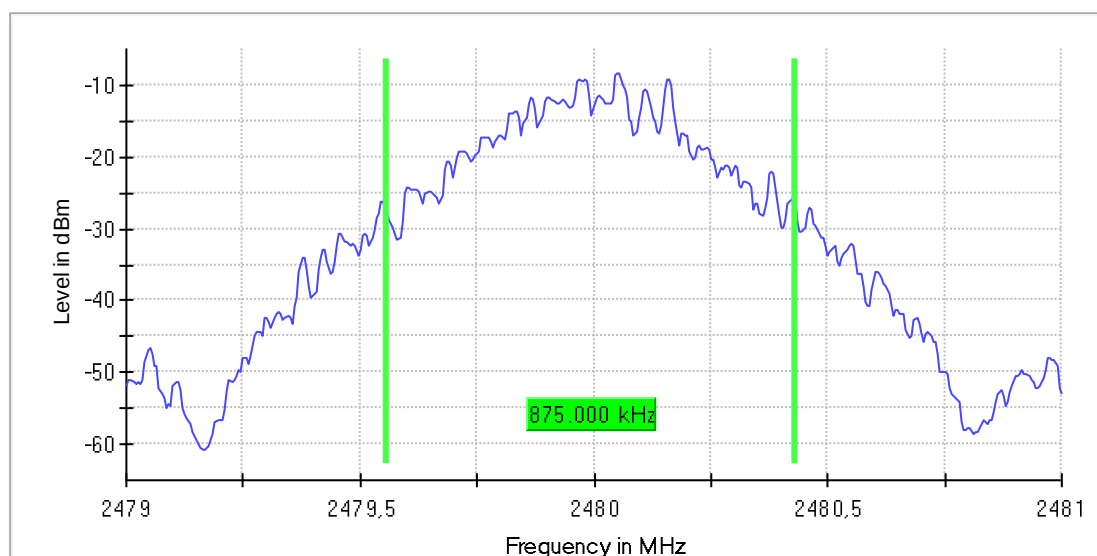
Occupied Channel Bandwidth 99% (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.875000	---	---	2479.555000	2480.430000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.03 dB	0.30 dB

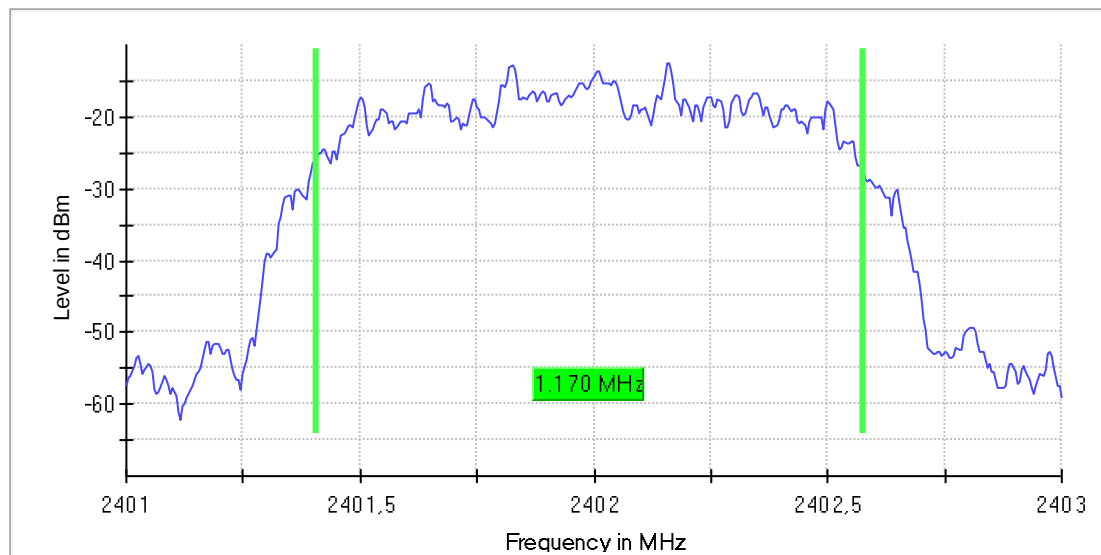
1.5.2. 2-DH5 Occupied Channel Bandwidth 99% (2402 MHz; 10,000 dBm; 1 MHz; Test Mode)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.170000	---	---	2401.405000	2402.575000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.08 dB	0.30 dB

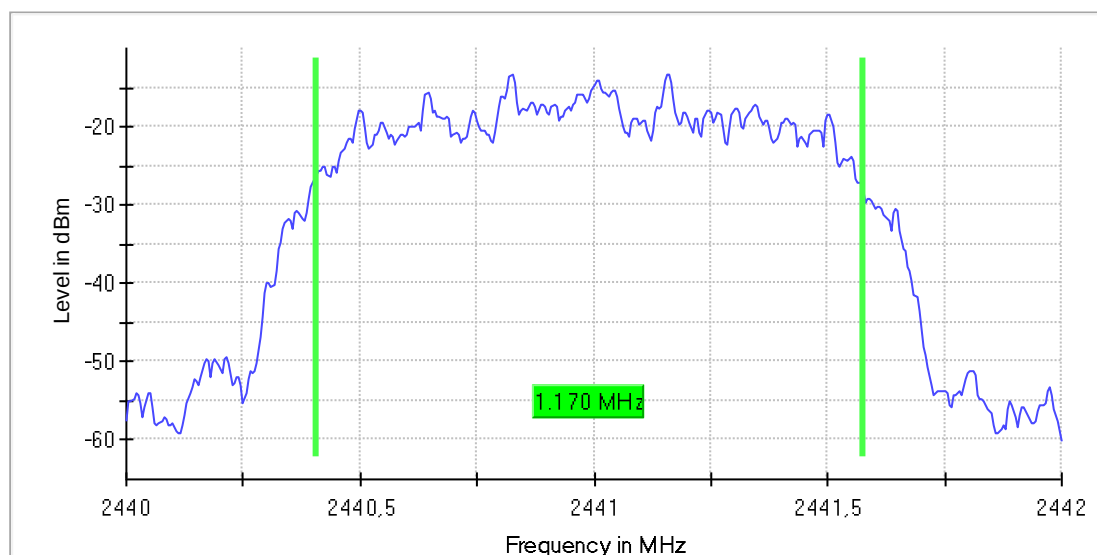
Occupied Channel Bandwidth 99% (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.170000	---	---	2440.405000	2441.575000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS



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	401	~ 400
Sweptime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.06 dB	0.30 dB

Occupied Channel Bandwidth 99% (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

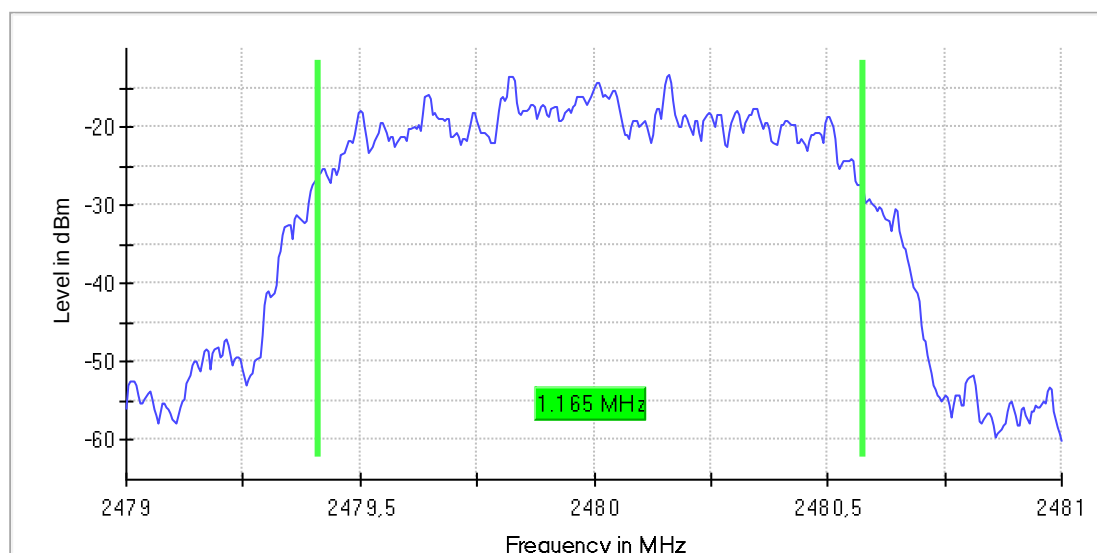
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.165000	---	---	2479.410000	2480.575000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.07 dB	0.30 dB

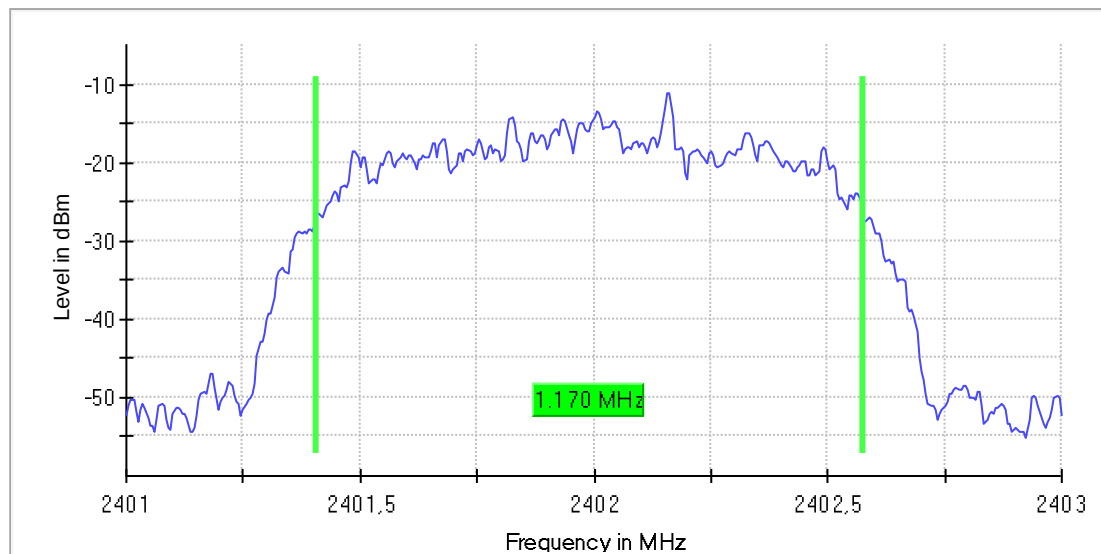
1.5.3. 3-DH5 Occupied Channel Bandwidth 99% (2402 MHz; 10,000 dBm; 1 MHz)

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.170000	---	---	2401.405000	2402.575000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
SweepType	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	5 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.05 dB	0.30 dB

Occupied Channel Bandwidth 99% (2441 MHz; 10,000 dBm; 1 MHz; Test Mode)

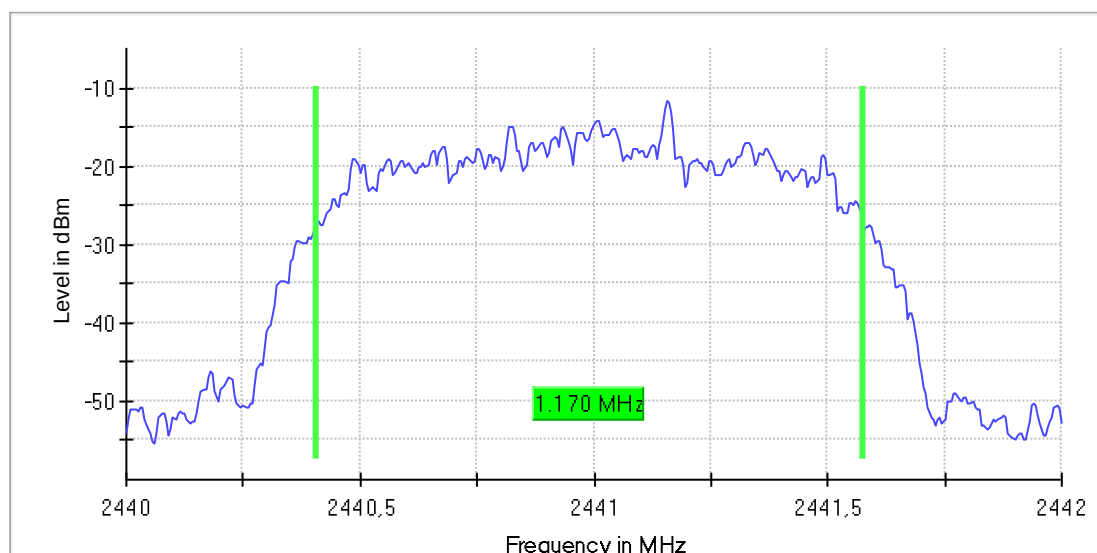
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.170000	---	---	2440.405000	2441.575000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.30 dB

Occupied Channel Bandwidth 99% (2480 MHz; 10,000 dBm; 1 MHz; Test Mode)

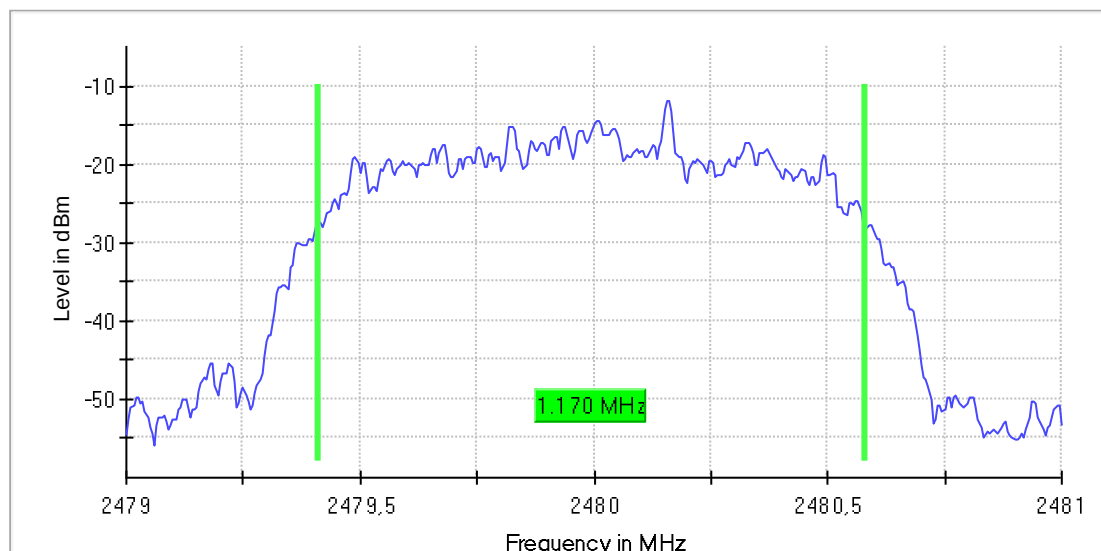
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10-2013

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.170000	---	---	2479.410000	2480.580000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS



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	401	~ 400
SweepTime	80.000 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 dB	AUTO
Detector	MaxPeak	MaxPeak
SweepCount	500	500
Filter	3 dB	3 dB
Trace Mode	Max Hold	Max Hold
Sweeptype	Sweep	AUTO
Preamp	off	off
Stablemode	Trace	Trace
Stablevalue	0.30 dB	0.30 dB
Run	4 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.04 dB	0.30 dB

1.6. Carrier Frequency Separation

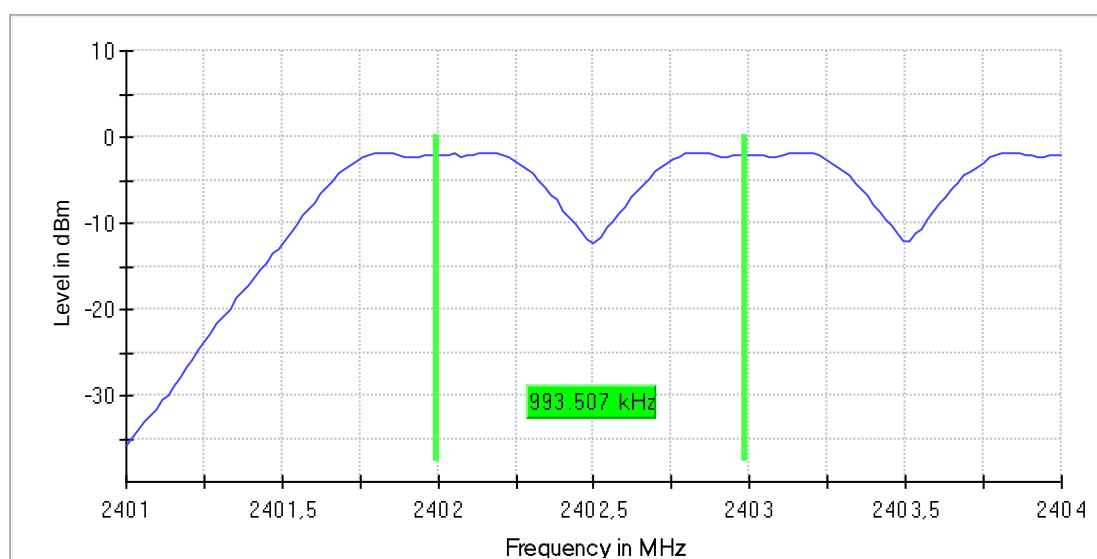
Carrier Frequency Separation (2402 MHz; 10,000 dBm; 1 MHz)

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)
2402.000000	0.993507	0.623333	---	2401.993506	2402.987013

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

DUT Frequency (MHz)	Result
2402.000000	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.40100 GHz	2.40100 GHz
Stop Frequency	2.40400 GHz	2.40400 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
SweepTime	2.500 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 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	15 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.06 dB	0.50 dB

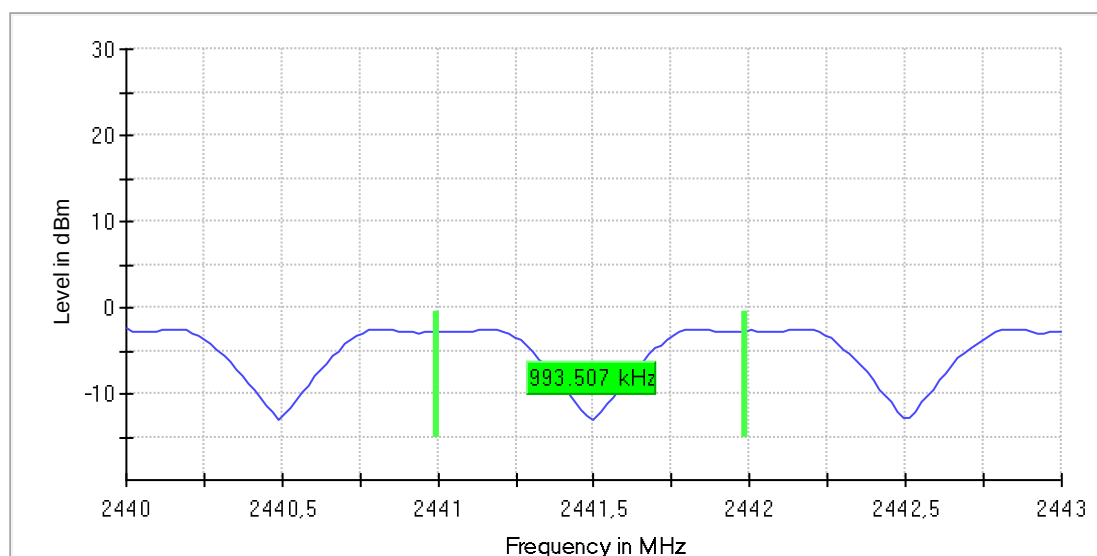
Carrier Frequency Separation (2441 MHz; 10,000 dBm; 1 MHz)

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	0.993507	0.623333	---	2440.993506	2441.987013

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

DUT Frequency (MHz)	Result
2441.000000	PASS



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	155	~ 10
SweepTime	2.500 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 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	12 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.50 dB

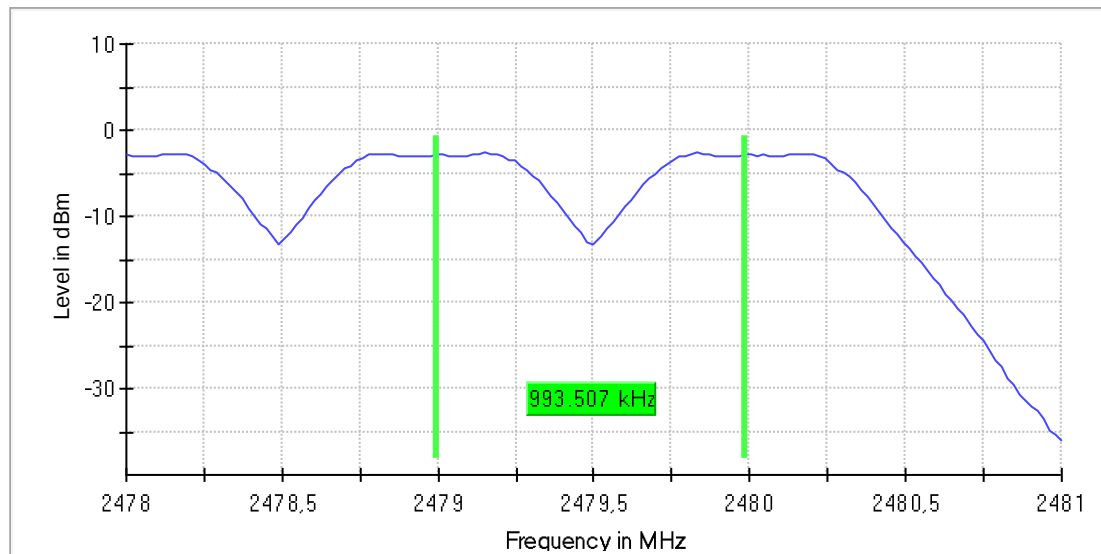
Carrier Frequency Separation (2480 MHz; 10,000 dBm; 1 MHz)

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	0.993507	0.623333	---	2478.993506	2479.987013

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

DUT Frequency (MHz)	Result
2480.000000	PASS

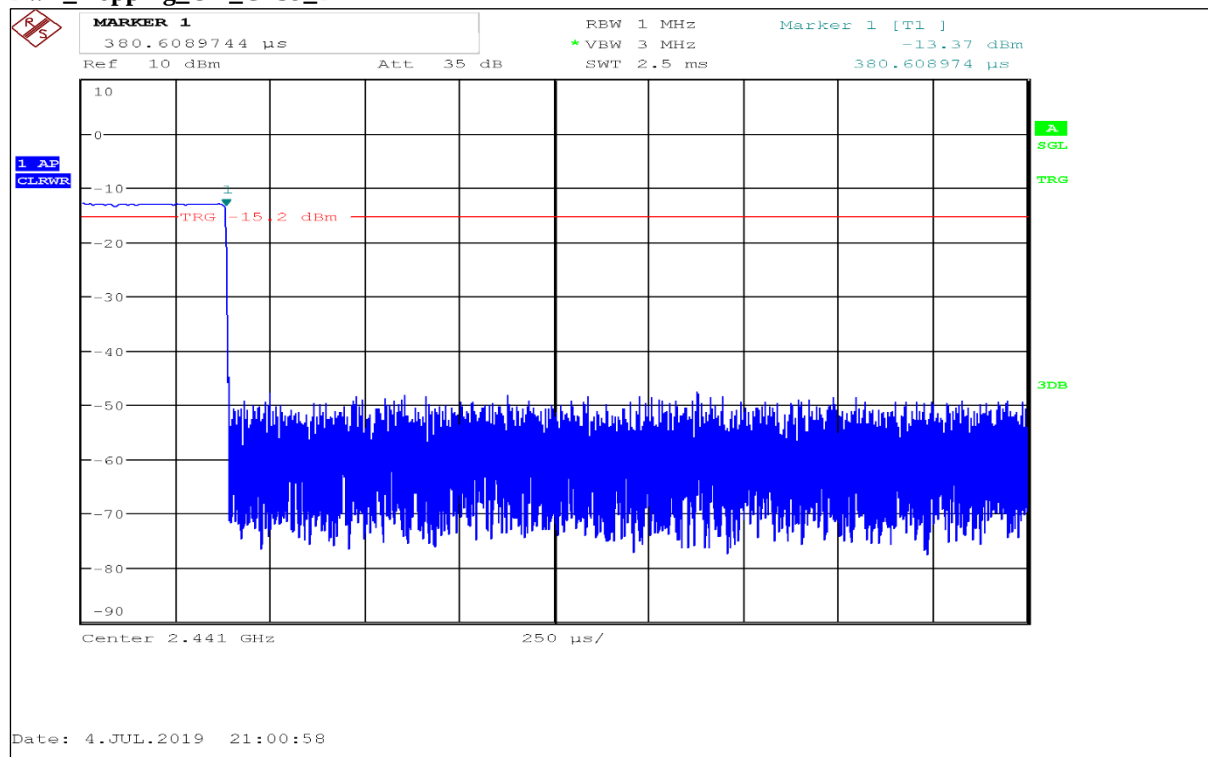


Measurement

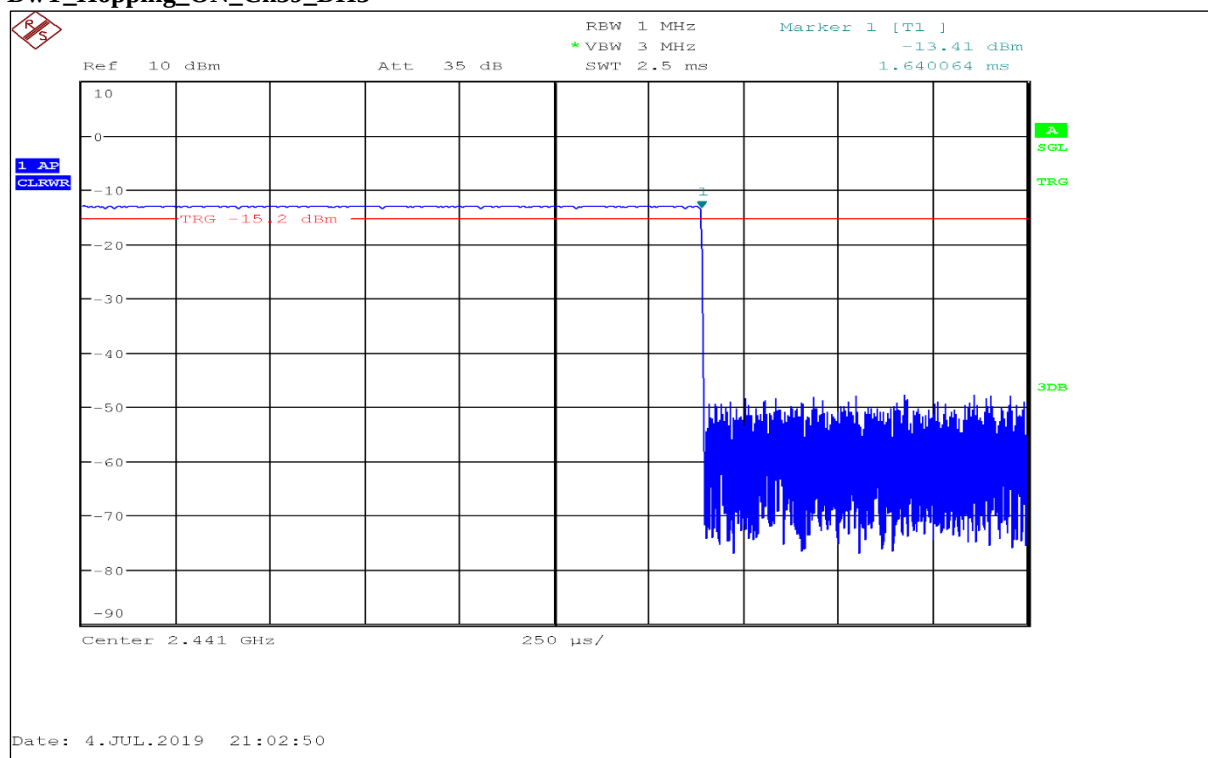
Setting	Instrument Value	Target Value
Start Frequency	2.47800 GHz	2.47800 GHz
Stop Frequency	2.48100 GHz	2.48100 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
SweepTime	2.500 ms	AUTO
Reference Level	-10.000 dBm	-10.000 dBm
Attenuation	15.000 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	13 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.21 dB	0.50 dB

1.7. Time of Channel occupancy

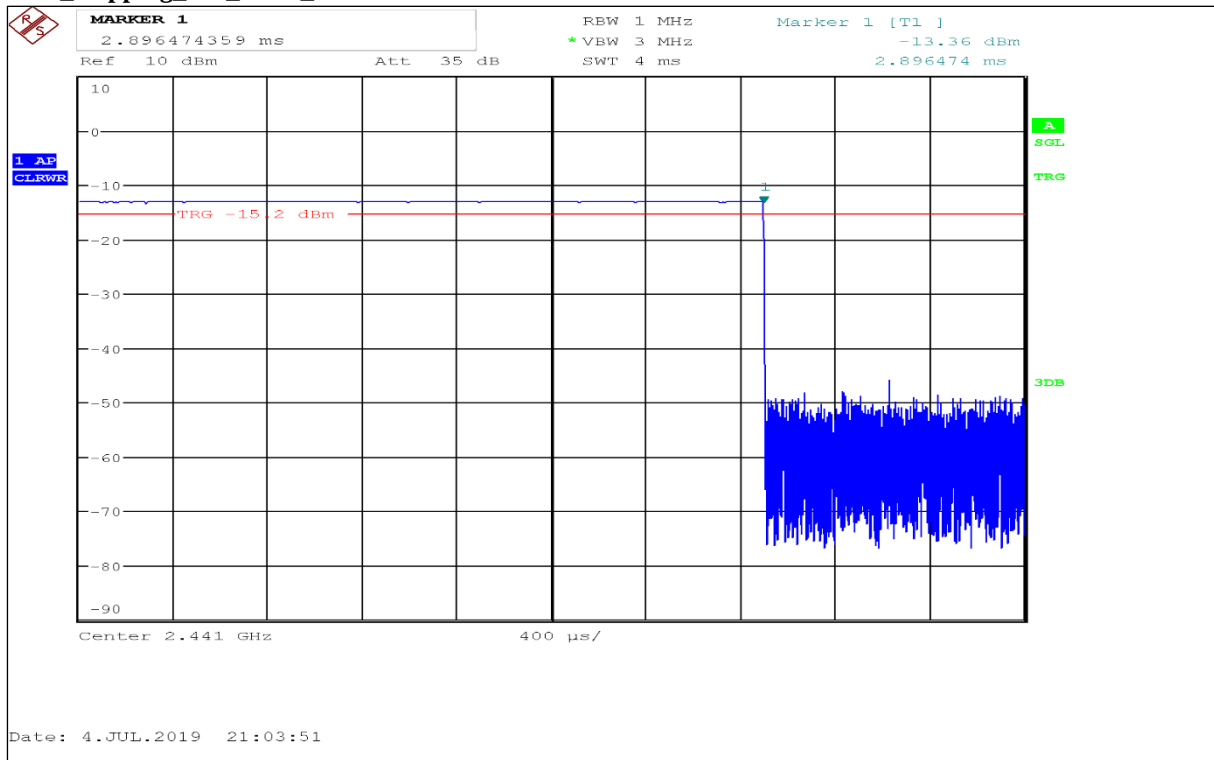
DwT_Hopping_ON_Ch39_DH1



DwT_Hopping_ON_Ch39_DH3



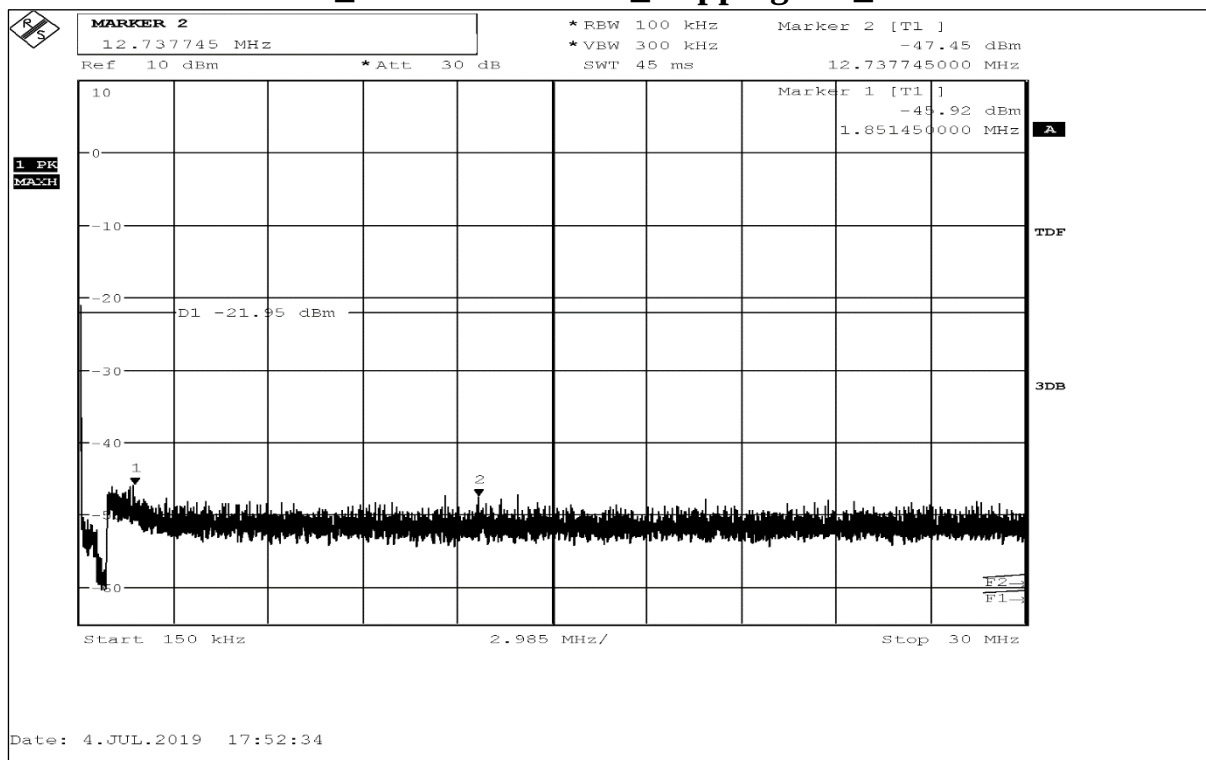
DwT_Hopping_ON_Ch39_DH5



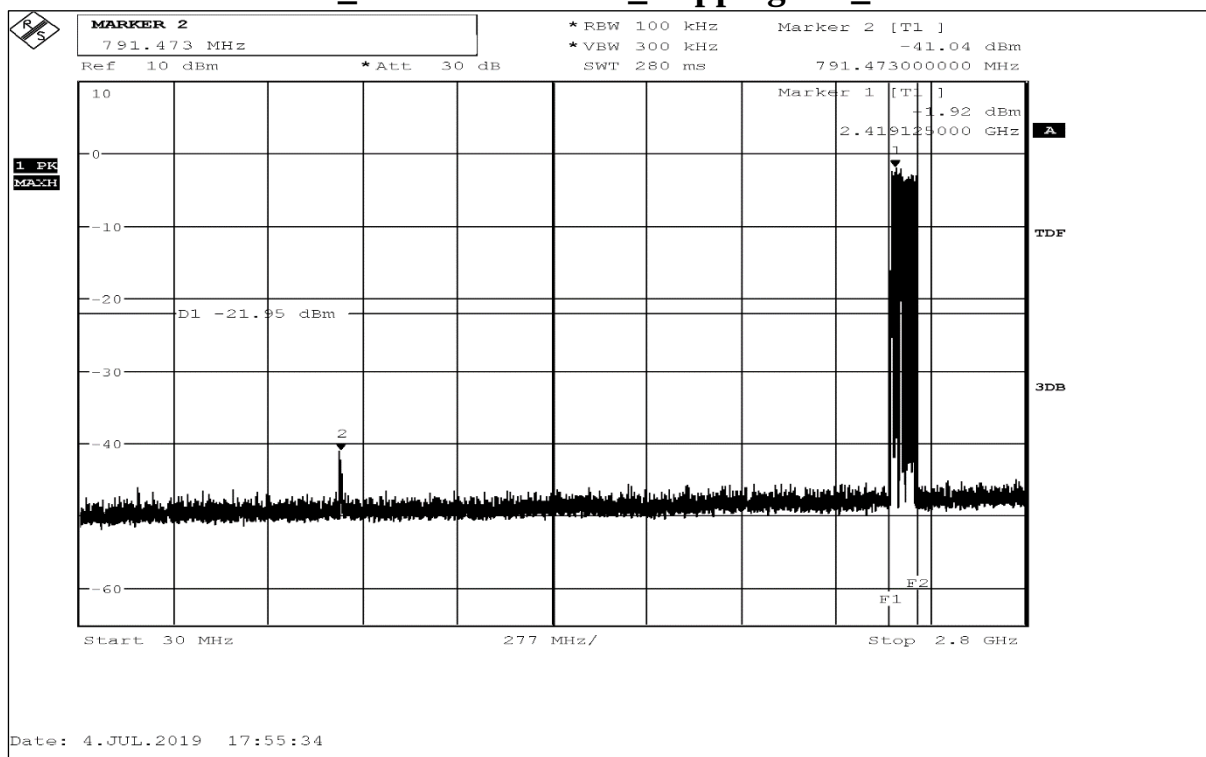
1.8. 20dBc Conducted Spurious Emissions

1.8.1. Hopping ON

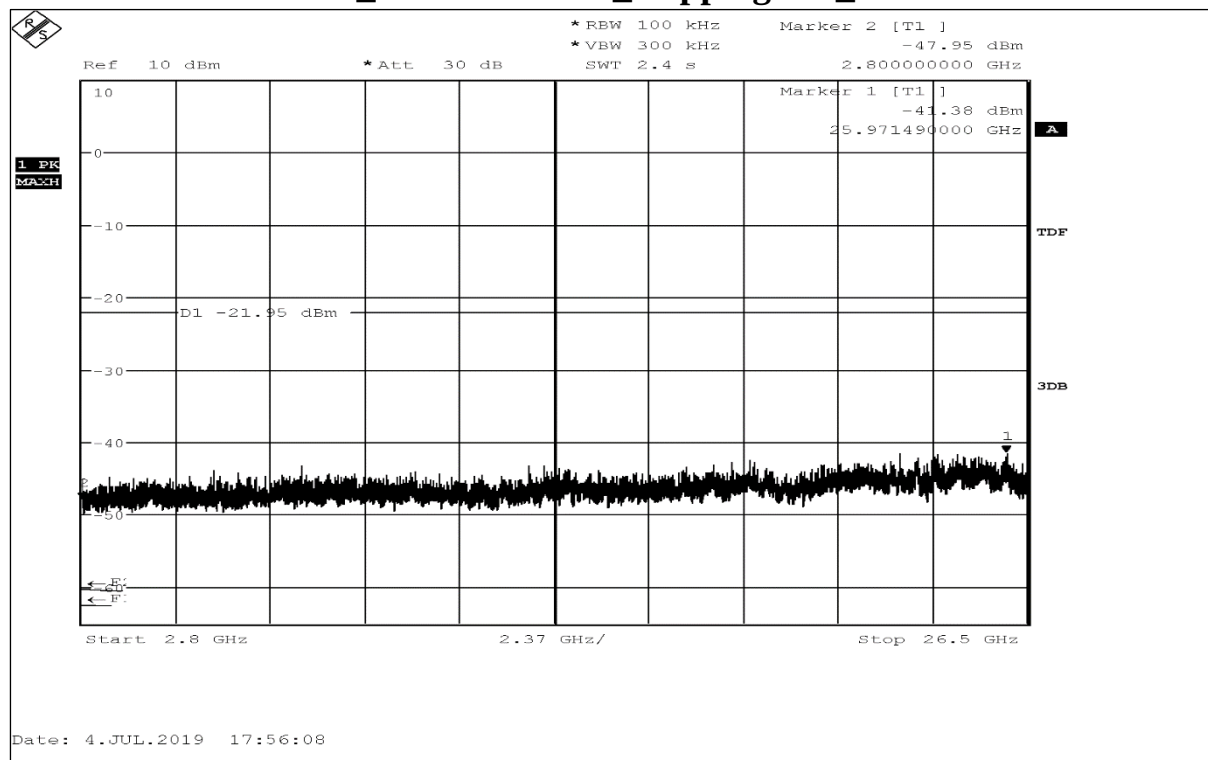
20dBc_0.15MHz-30MHz_Hopping ON_DH5



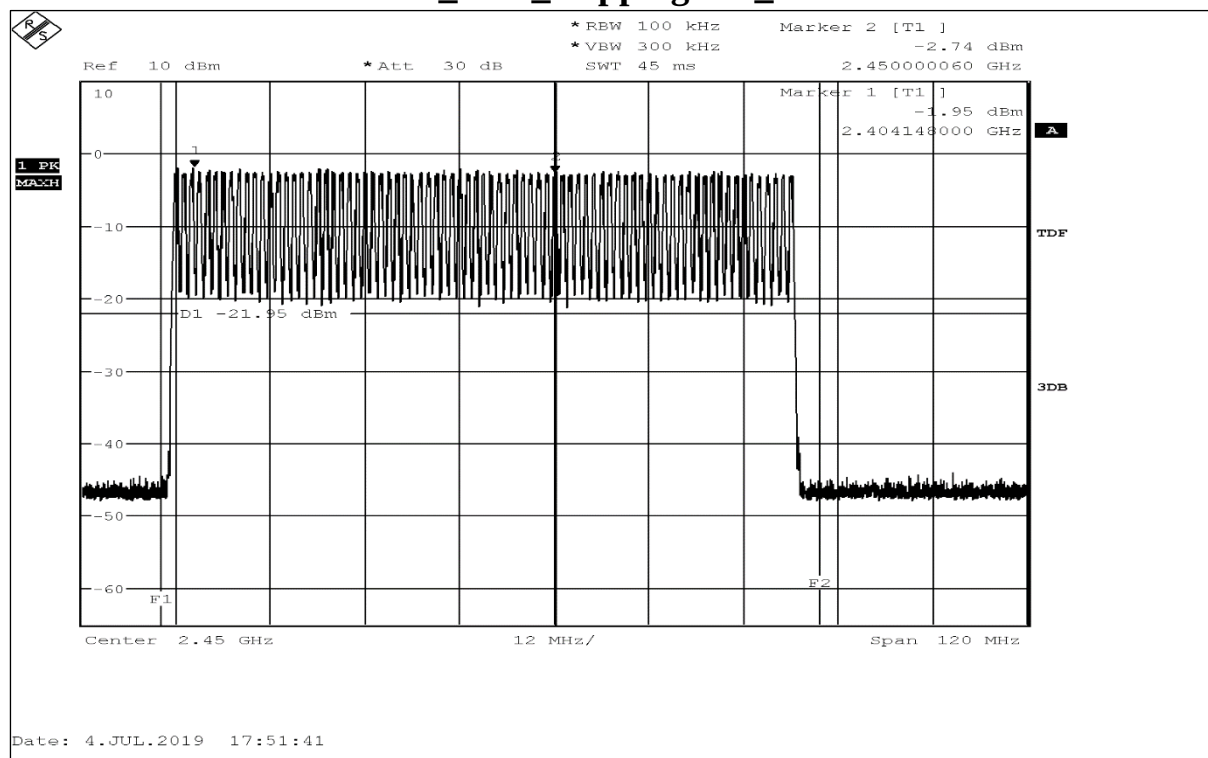
20dBc_0.30MHz-2.8GHz_Hopping ON_DH5



20dBc_2.8GHz-26Ghz_Hopping ON_DH5



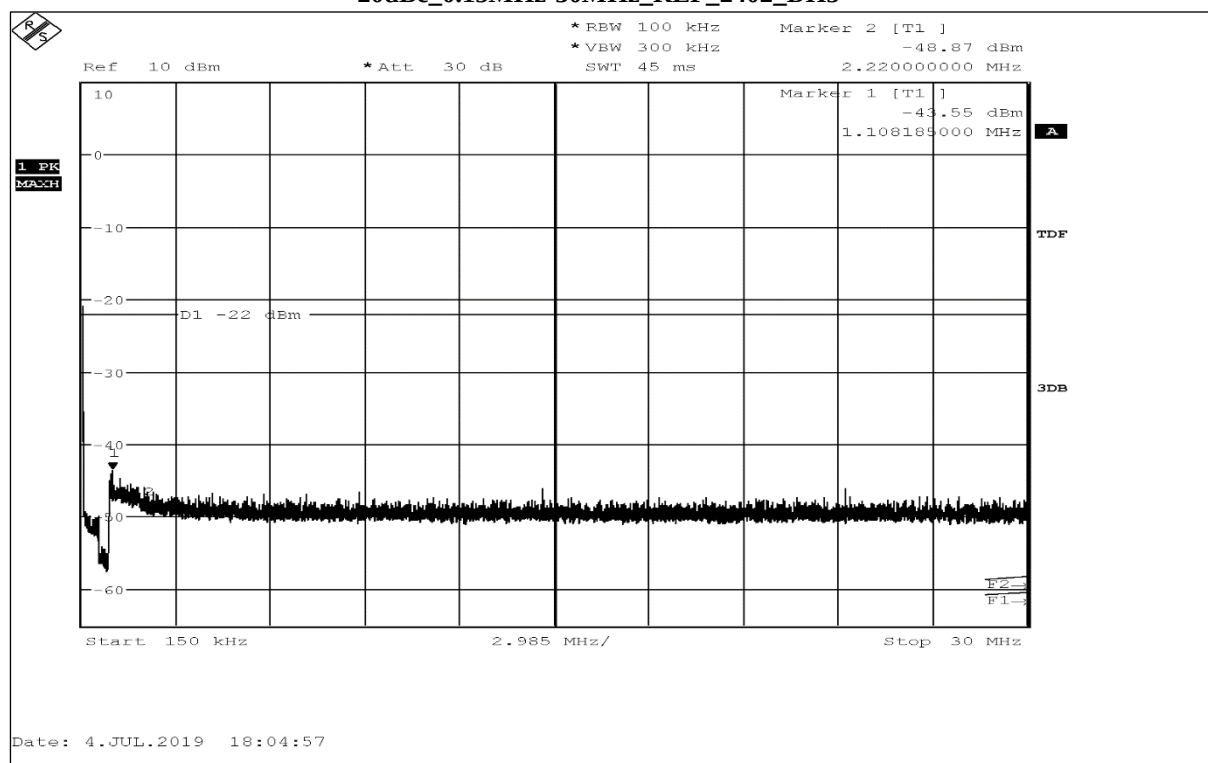
20dBc_REF_Hopping ON_DH5



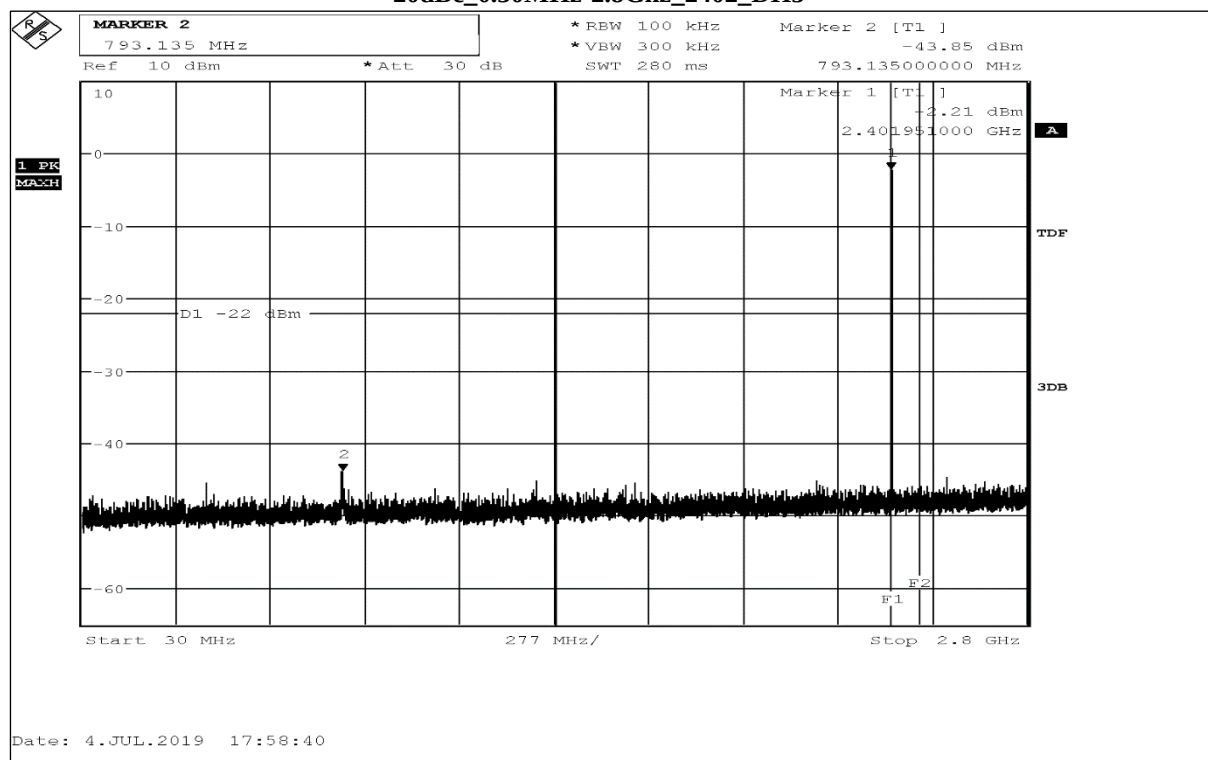
1.8.2. Hopping OFF

DH5

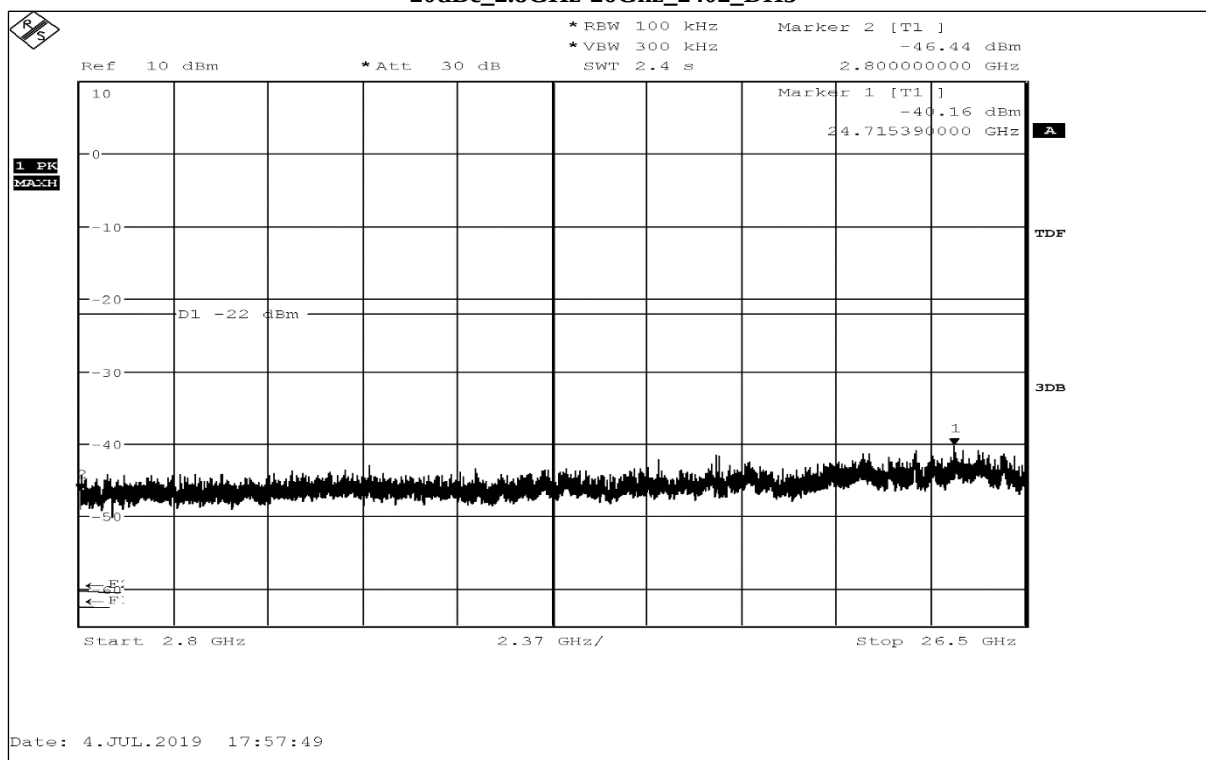
20dBc_0.15MHz-30MHz_REF_2402_DH5



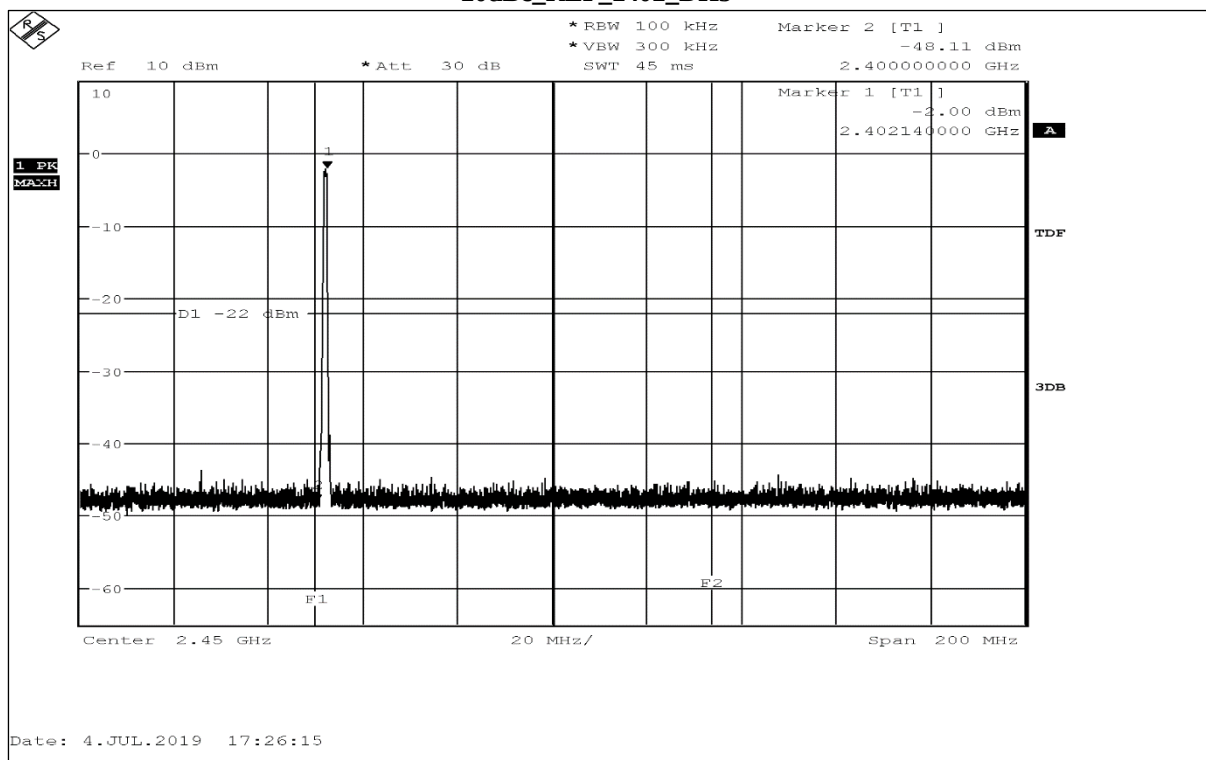
20dBc_0.30MHz-2.8Ghz_2402_DH5



20dBc_2.8GHz-26GHz_2402_DH5

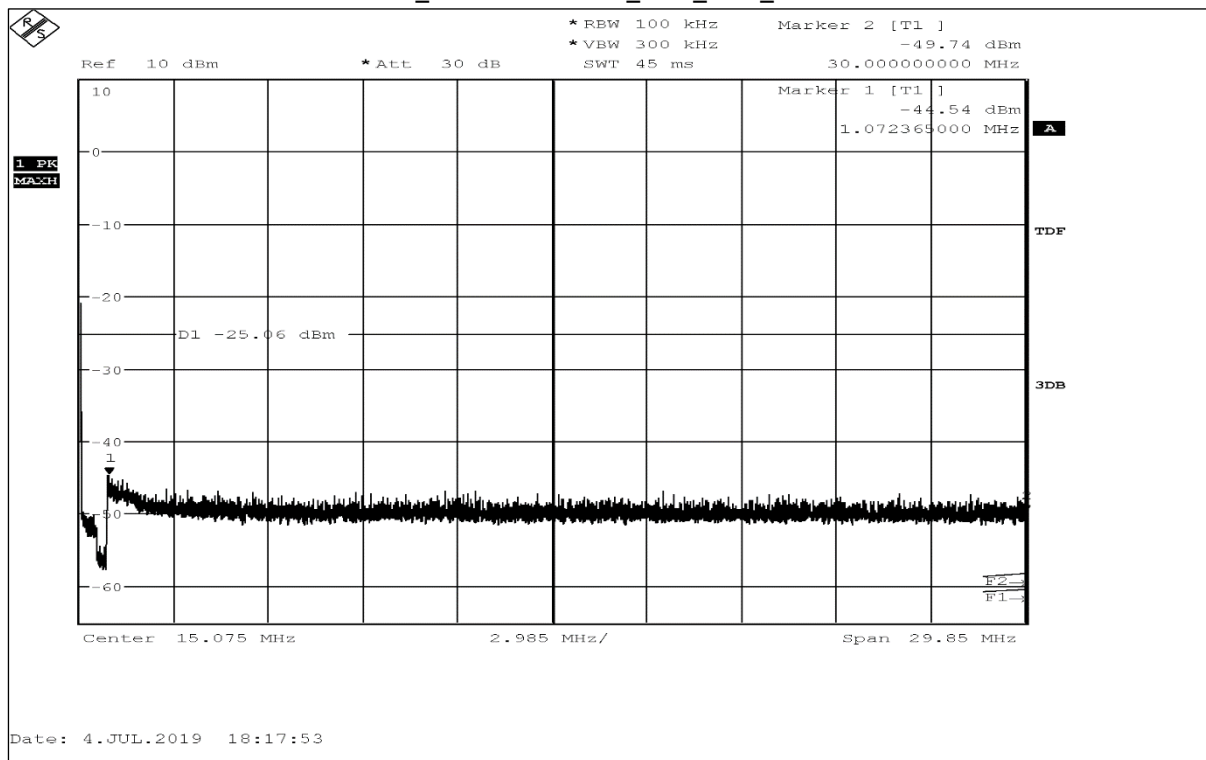


20dBc_REF_2402_DH5

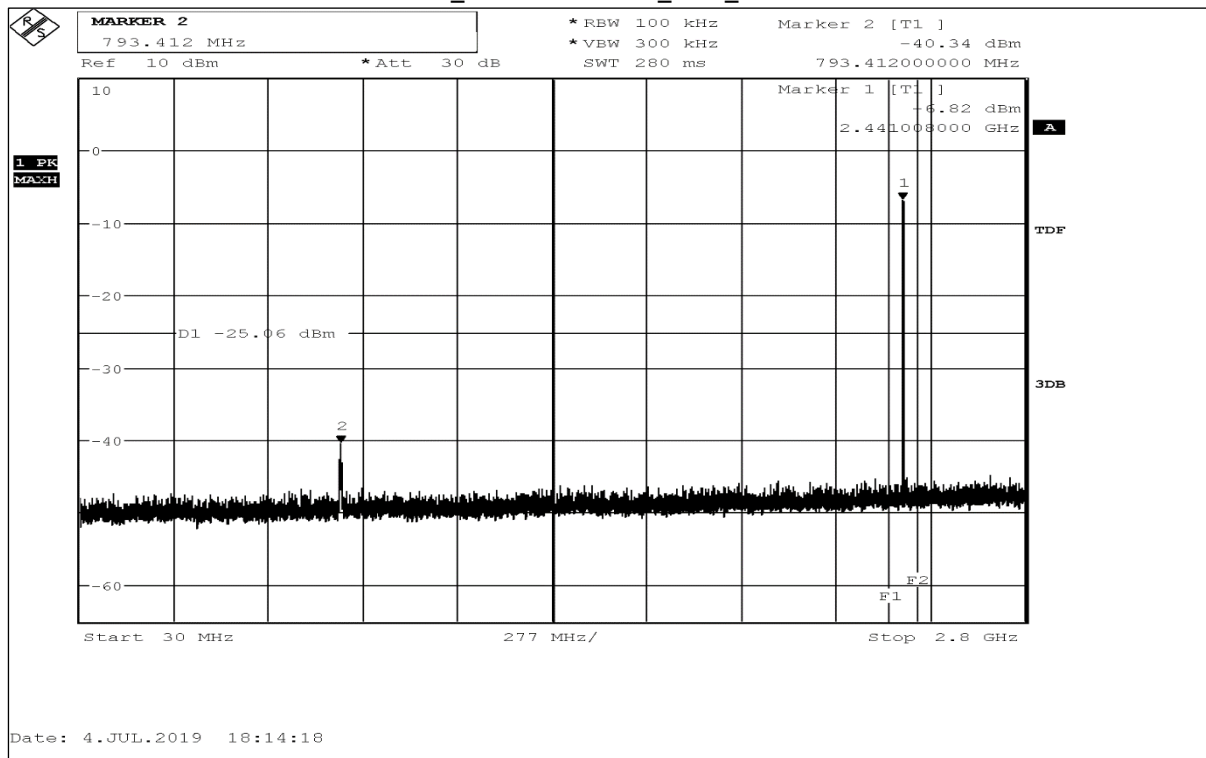


2-DH5

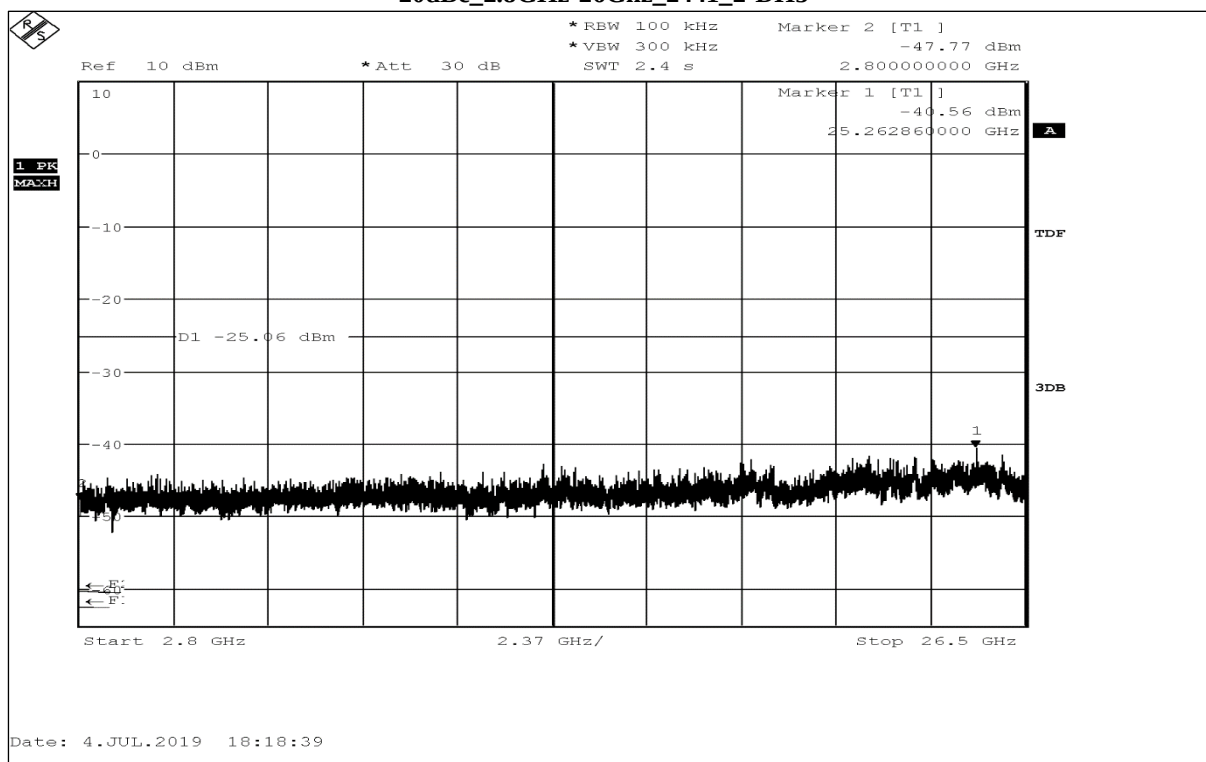
20dBc_0.15MHz-30MHz_REF_2441_2-DH5



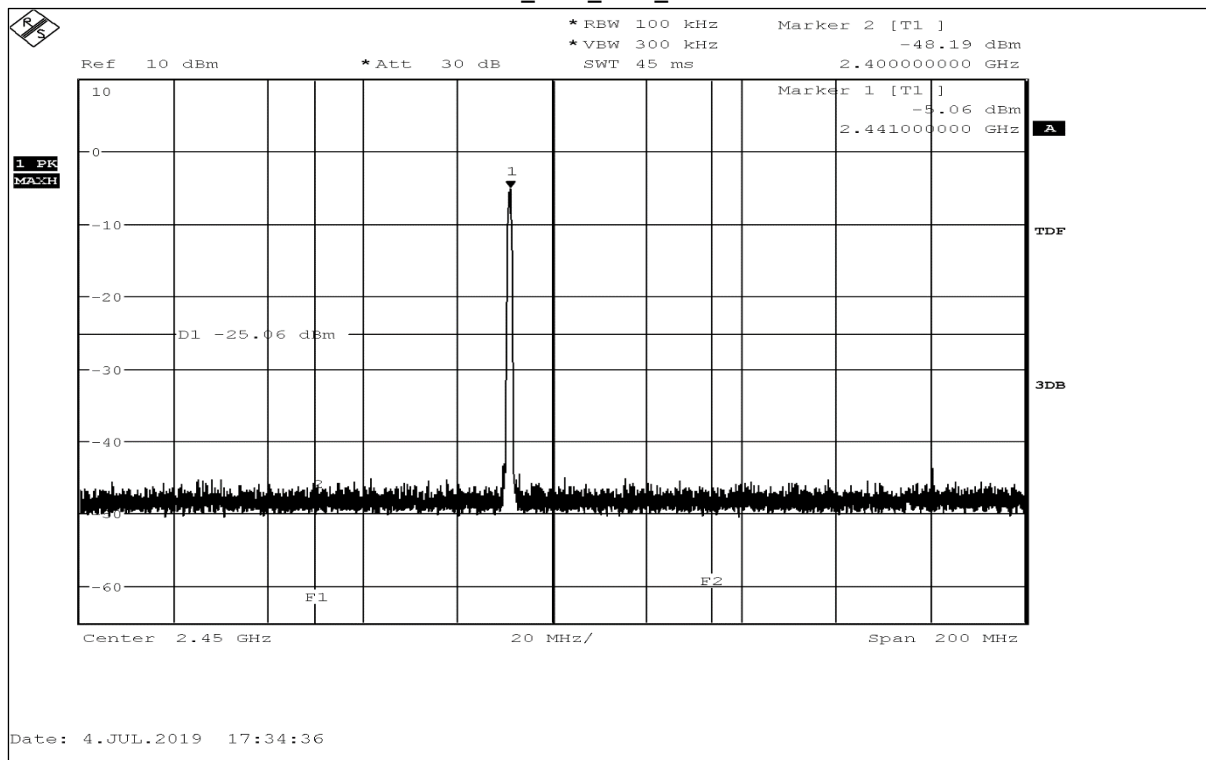
20dBc_0.30MHz-2.8Ghz_2441_2-DH5



20dBc_2.8GHz-26Ghz_2441_2-DH5

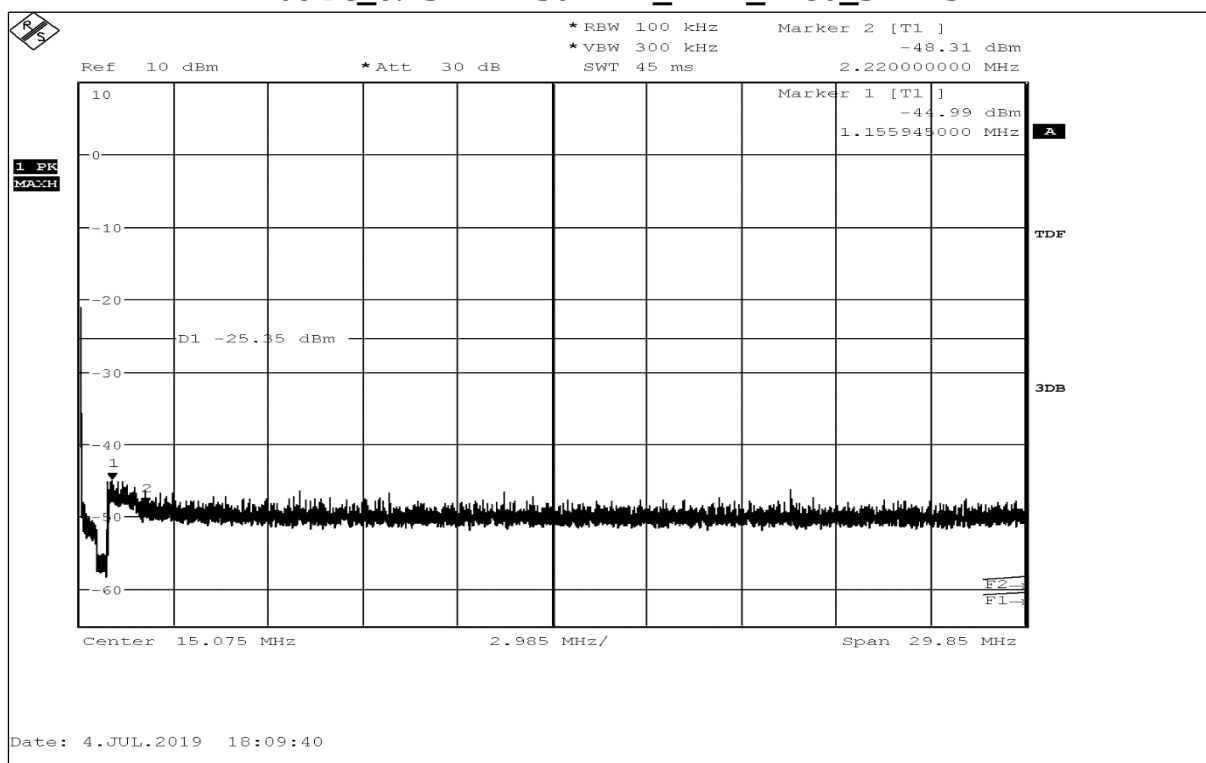


20dBc_REF_2441_2-DH5

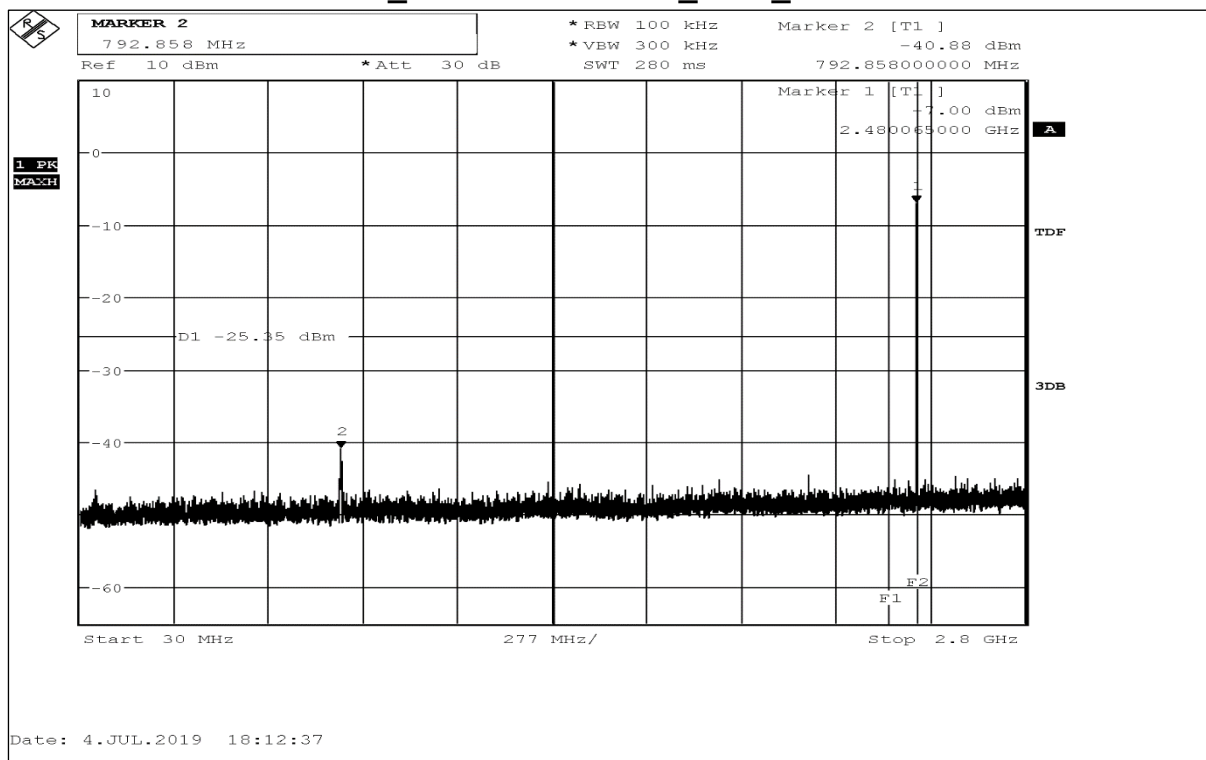


3-DH5

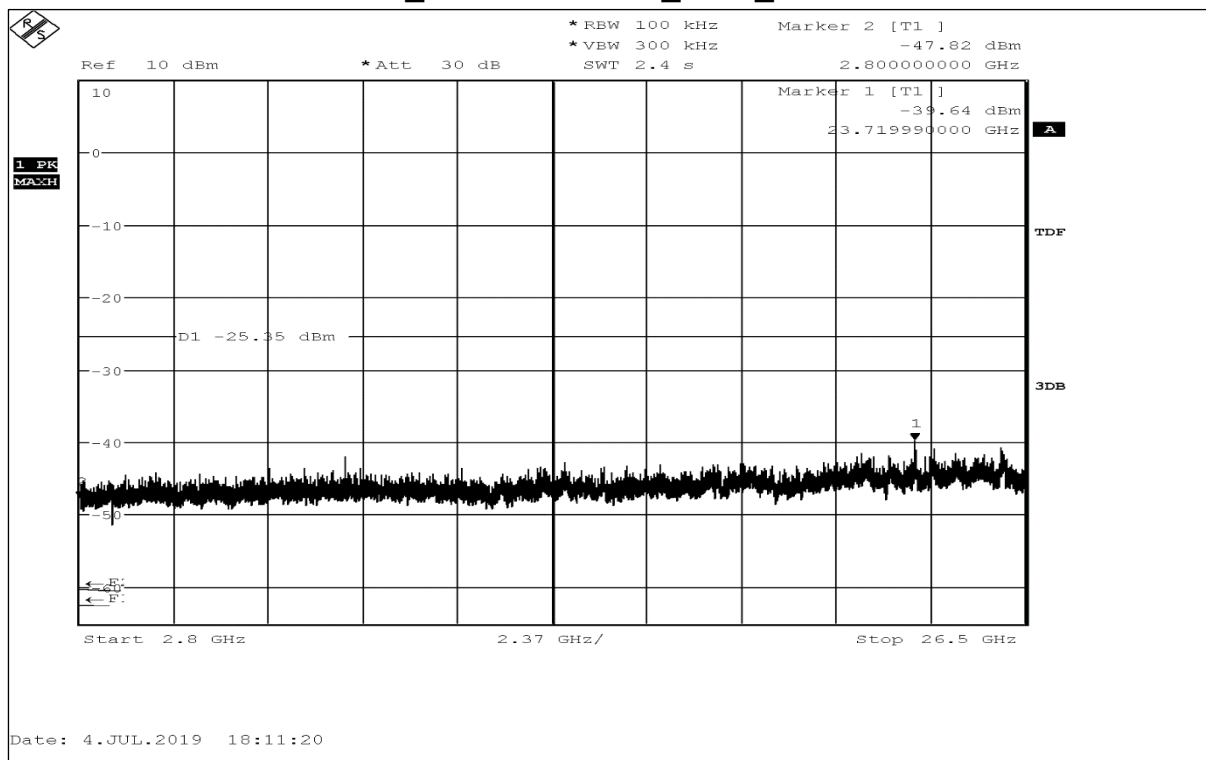
20dBc_0.15MHz-30MHz_REF_2480_3-DH5



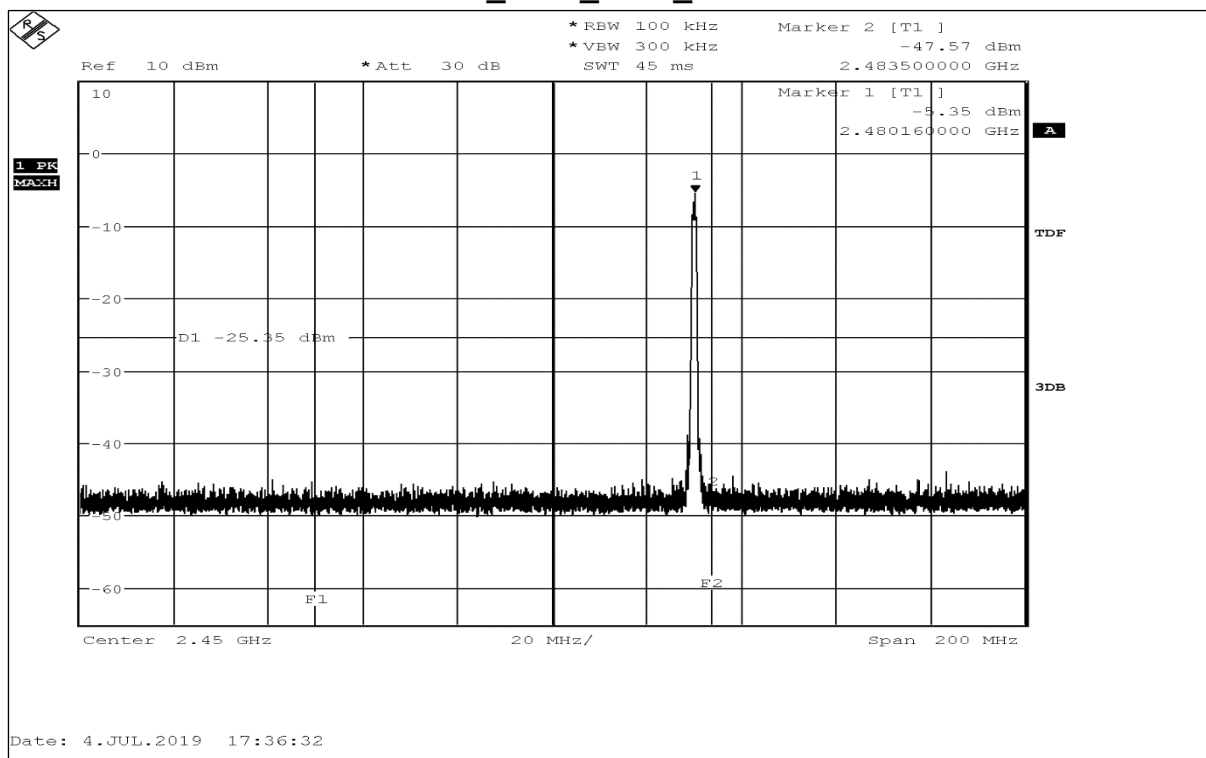
20dBc_0.30MHz-2.8Ghz_2480_3-DH550



20dBc_2.8GHz-26Ghz_2480_3-DH591



20dBc_REF_2480_3-DH522



1.9. Frequency Stability

1.9.1. Tmin – Vnom

Modulation	Channel	99% OBW	Tnom - Vnom		Tmin - Vnom	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHz	in MHz	in Hz	in Hz	in Hz	in Hz
DH5	2402	0.875000	2401.550000	2402.430000	2401.550000	2402.425000
	2441	0.870000	2440.555000	2441.425000	2440.550000	2441.420000
	2480	0.875000	2479.555000	2480.430000	2479.550000	2480.420000
2-DH5	2402	1.170000	2401.405000	2402.575000	2401.400000	2402.570000
	2441	1.170000	2440.405000	2441.575000	2440.400000	2441.570000
	2480	1.165000	2479.410000	2480.575000	2479.400000	2480.570000
3-DH5	2402	1.170000	2401.405000	2402.575000	2401.400000	2402.570000
	2441	1.170000	2440.405000	2441.575000	2440.400000	2441.570000
	2480	1.170000	2479.410000	2480.580000	2479.400000	2480.570000

1.9.2. Tmax – Vnom

Modulation	Channel	99% OBW	Tnom - Vnom		Tmax - Vnom	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHz	in MHz	in Hz	in Hz	in Hz	in Hz
DH5	2402	0.875000	2401.550000	2402.430000	2401.510000	2402.385000
	2441	0.870000	2440.555000	2441.425000	2440.505000	2441.380000
	2480	0.875000	2479.555000	2480.430000	2479.510000	2480.380000
2-DH5	2402	1.170000	2401.405000	2402.575000	2401.360000	2402.530000
	2441	1.170000	2440.405000	2441.575000	2440.360000	2441.530000
	2480	1.165000	2479.410000	2480.575000	2479.360000	2480.535000
3-DH5	2402	1.170000	2401.405000	2402.575000	2401.360000	2402.530000
	2441	1.170000	2440.405000	2441.575000	2440.360000	2441.530000
	2480	1.170000	2479.410000	2480.580000	2479.365000	2480.535000

1.9.3. Tnom – Vmin

Modulation	Channel	99% OBW	Tnom - Vnom		Tnom - Vmin	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHz	in MHz	in Hz	in Hz	in Hz	in Hz
DH5	2402	0.875000	2401.550000	2402.430000	2401.520000	2402.395000
	2441	0.870000	2440.555000	2441.425000	2440.520000	2441.390000
	2480	0.875000	2479.555000	2480.430000	2479.520000	2480.390000
2-DH5	2402	1.170000	2401.405000	2402.575000	2401.370000	2402.540000
	2441	1.170000	2440.405000	2441.575000	2440.370000	2441.540000
	2480	1.165000	2479.410000	2480.575000	2479.370000	2480.540000
3-DH5	2402	1.170000	2401.405000	2402.575000	2401.370000	2402.540000
	2441	1.170000	2440.405000	2441.575000	2440.370000	2441.540000
	2480	1.170000	2479.410000	2480.580000	2479.375000	2480.545000

1.9.4. Tnom – Vmax

Modulation	Channel	99% OBW	Tnom - Vnom		Tnom - Vmax	
			left Bandedge	right Bandedge	left Bandedge	right Bandedge
	MHz	in MHz	in Hz	in Hz	in Hz	in Hz
DH5	2402	0.875000	2401.550000	2402.430000	2401.520000	2402.385000
	2441	0.870000	2440.555000	2441.425000	2440.510000	2441.390000
	2480	0.875000	2479.555000	2480.430000	2479.515000	2480.385000
2-DH5	2402	1.170000	2401.405000	2402.575000	2401.365000	2402.535000
	2441	1.170000	2440.405000	2441.575000	2440.365000	2441.535000
	2480	1.165000	2479.410000	2480.575000	2479.370000	2480.540000
3-DH5	2402	1.170000	2401.405000	2402.575000	2401.365000	2402.535000
	2441	1.170000	2440.405000	2441.575000	2440.365000	2441.540000
	2480	1.170000	2479.410000	2480.580000	2479.370000	2480.540000

2. Radiated Field Strength Measurements

2.1. Magnetic field emissions radiated Bluetooth BDR below 30 MHz

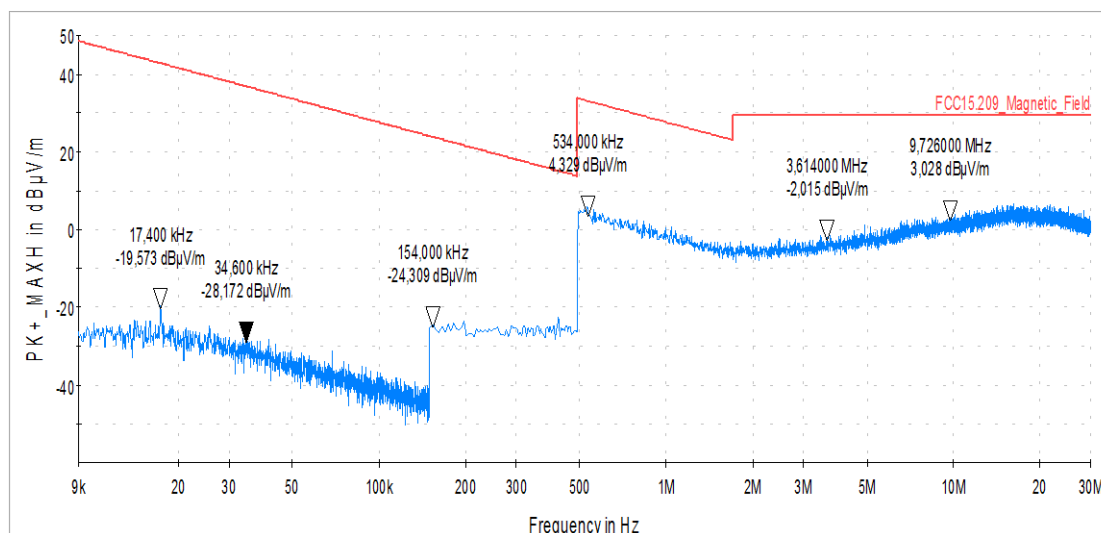
2.01a_BT BR_DH5_ch 00

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Test software:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEL
Operating Mode:	BT BR DH5 ch00
Comment 1:	Eut is Laying
Environmental Conditions:	Humidity : 56,1%rH; Temperature: 21,8°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



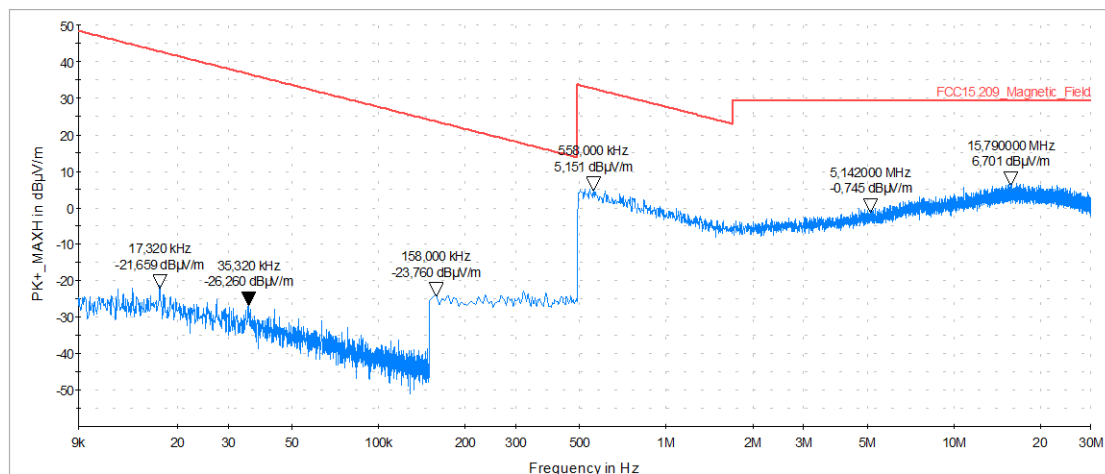
2.01b_BT BR_DH5_ch 00

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEi
Operating Mode:	BT BR DH5 ch00
Comment 1:	Eut is Standing
Environmental Conditions::	Humidity : 58,6%rH; Temperature: 21,9°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



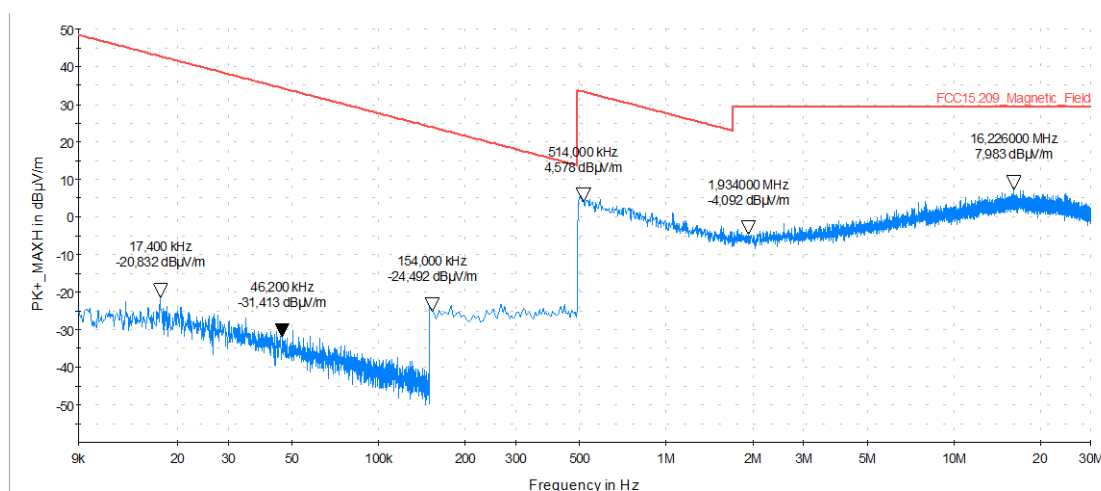
2.02a_BT EDR_2-DH5_ch 39

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEI
Operating Mode:	BT EDR 2-DH5 ch39
Comment 1:	Eut is Laying
Environmental Conditions::	Humidity : 61,0%rH; Temperature: 22,1°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



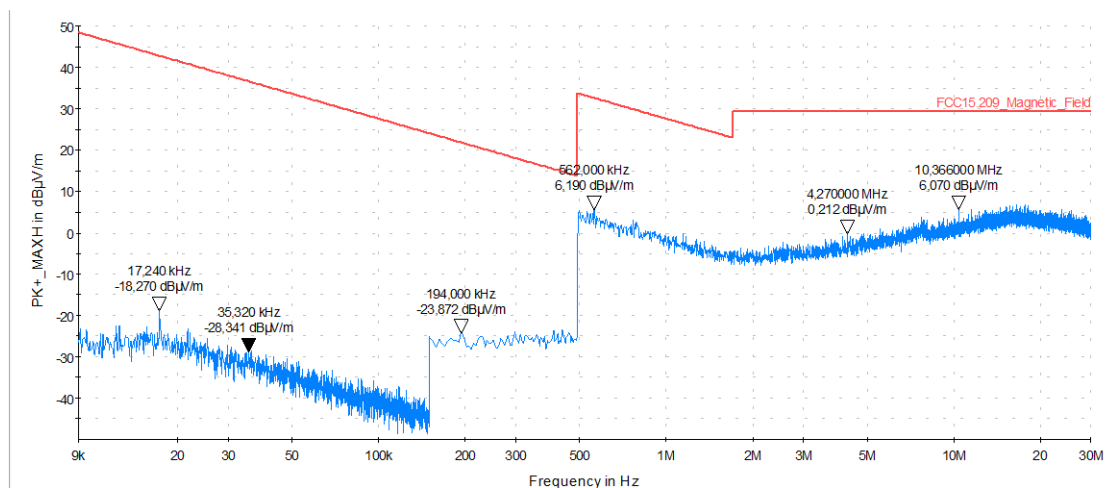
2.02b_BT EDR_2-DH5_ch 39

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEI
Operating Mode:	BT EDR 2-DH5 ch39
Comment 1:	Eut is Standing
Environmental Conditions::	Humidity : 59,3%rH; Temperature: 22,0°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



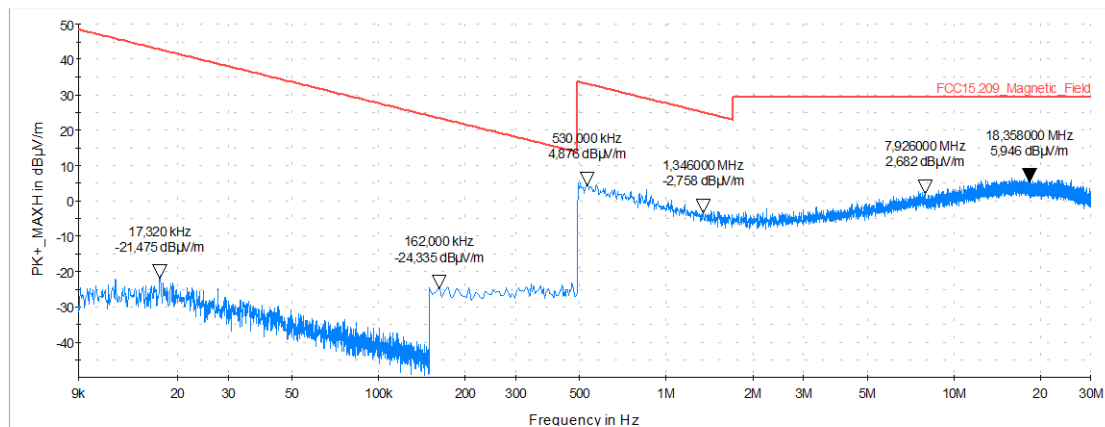
2.03a_BT EDR_3-DH5_ch 78

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEI
Operating Mode:	BT EDR 3-DH5 ch78
Comment 1:	Eut is Laying
Environmental Conditions::	Humidity : 62,3%rH; Temperature: 22,4°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



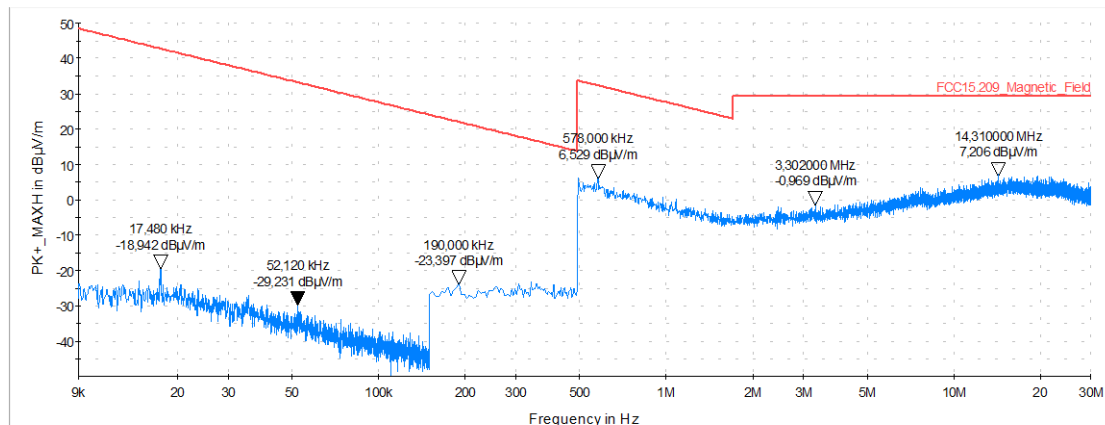
2.03b_BT EDR_3-DH5_ch 78

Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	HEI
Operating Mode:	BT EDR 3-DH5 ch78
Comment 1:	Eut is Standing
Environmental Conditions::	Humidity : 64,6%rH; Temperature: 22,4°C
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



2.30a_ W-LAN5GHz+BT _Laying

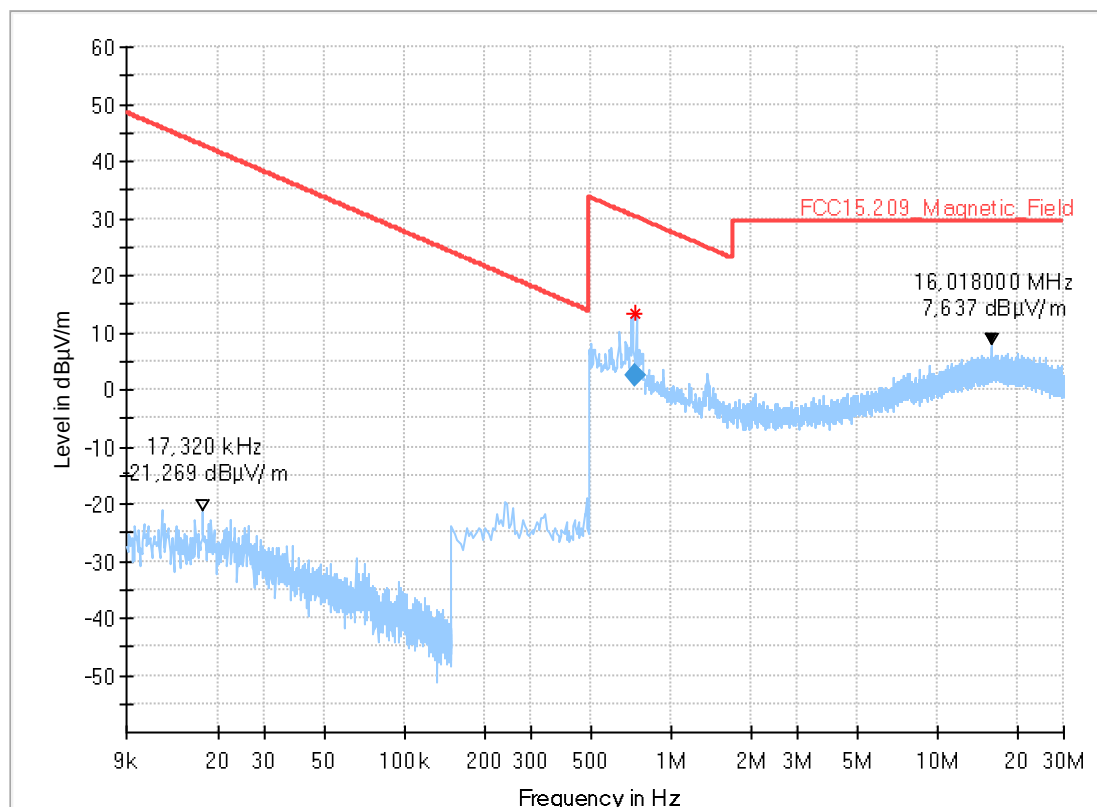
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MKh
Operating Mode:	SimultaneousTransmissions_W-LAN5GHZ+BT
Comment 1:	Eut is Laying
Environmental Conditions::	Humidity : 63,5%rH; Temperature: 21,7°C
EUT Setup:	Standing
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



2.30b_W-LAN5GHz+BT_Standing

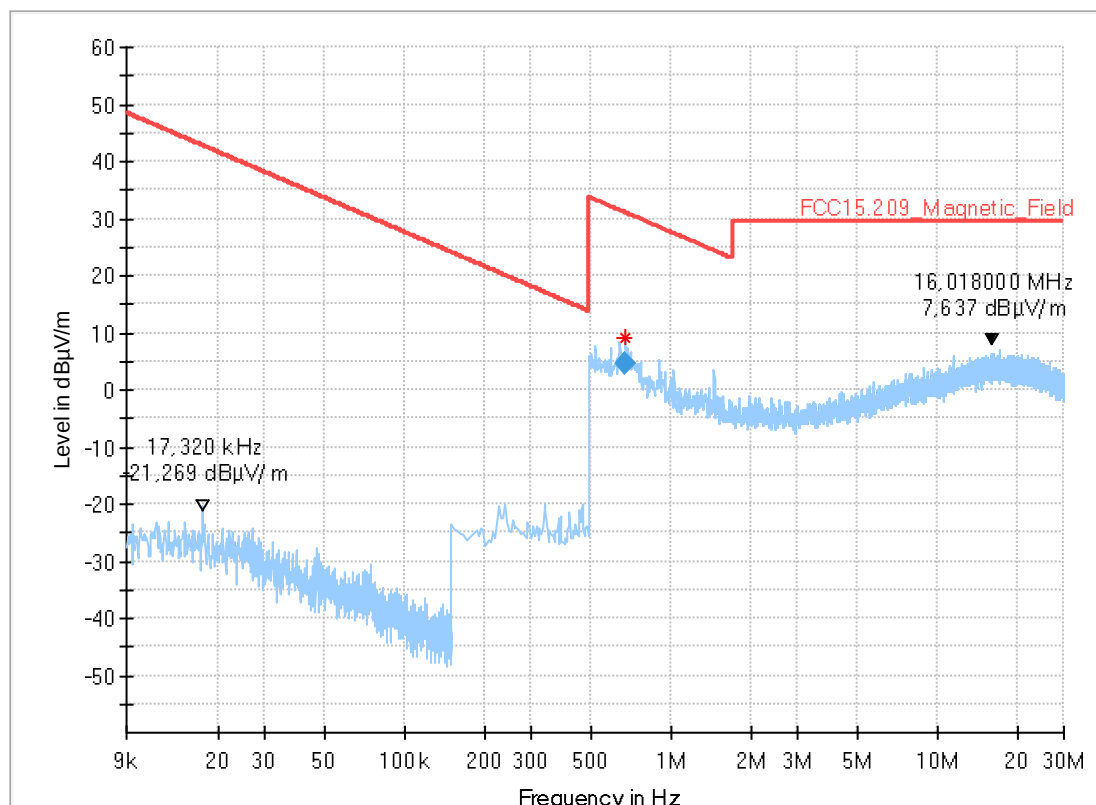
Common Information

Test description:	Magnetic Field Strength Measurement related to 30/300 m distance
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC32 V9.25.0
Distance correction:	used accord. table, pls. see test report
Technical Data:	Please see page 2 for detailed data of measurement setup
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation
Used filter:	bypass
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	MKh
Operating Mode:	SimultaneousTransmissions_W-LAN5GHZ+BT
Comment 1:	Eut is Standing
Environmental Conditions::	Humidity : 63,3%rH; Temperature: 21,8°C
EUT Setup:	Laying
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



2.2. Spurious emissions radiated Bluetooth BDR 30 MHz to 1 GHz

3.01a

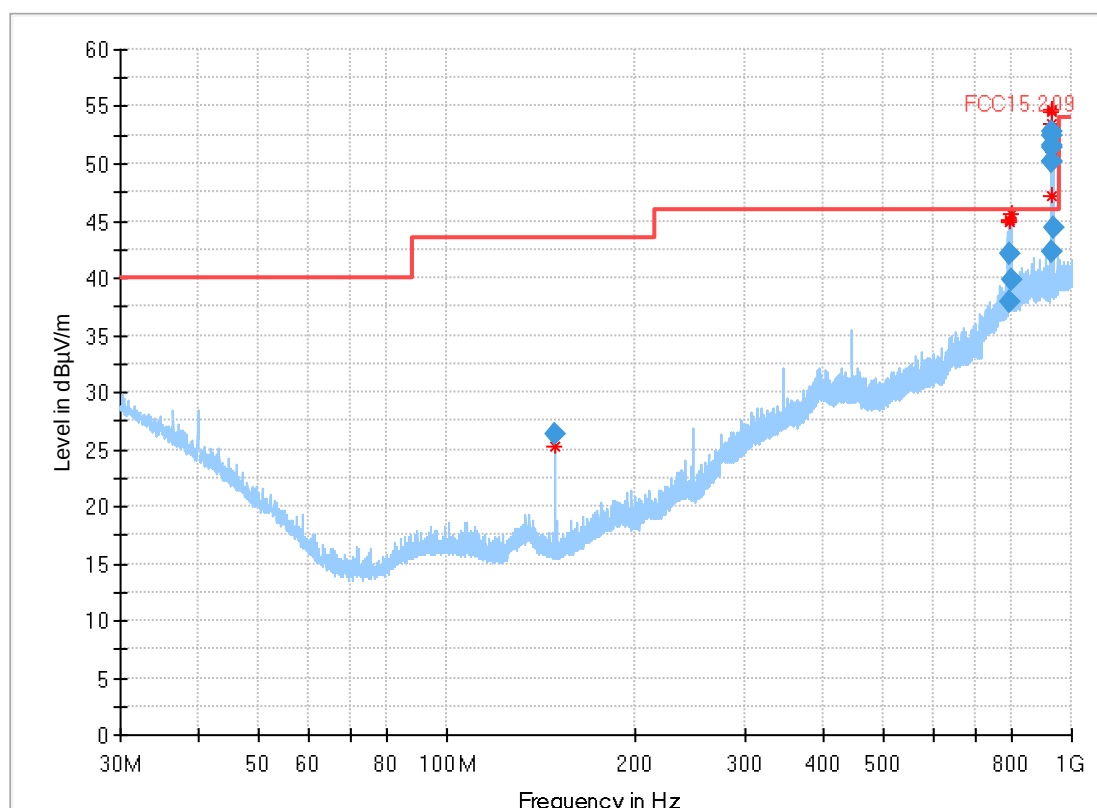
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR DH5 ch00
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is laying

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)	Remarks
148.500000	26.38	43.50	17.12	120.000	105.0	V	3.0	8.6	EUT interferer
792.896000	42.14	46.00	3.86	120.000	299.0	V	152.0	25.1	Temporar external broadband interferer LTE Band 8 -> not due EUT
796.272000	37.85	46.00	8.15	120.000	247.0	V	268.0	25.2	
799.484000	39.91	46.00	6.10	120.000	185.0	H	134.0	25.3	
926.816000	50.09	46.00	-4.09	120.000	221.0	H	332.0	27.0	Temporar external broadband interferer LTE or W-CDMA Band 1 -> not due EUT
926.852000	52.39	46.00	-6.39	120.000	336.0	V	225.0	27.0	
927.180000	52.87	46.00	-6.87	120.000	109.0	V	89.0	27.0	
927.816000	50.20	46.00	-4.20	120.000	234.0	V	326.0	27.0	
928.280000	51.45	46.00	-5.45	120.000	224.0	V	289.0	27.0	
928.720000	51.66	46.00	-5.66	120.000	303.0	H	53.0	27.0	
931.740000	42.34	46.00	3.66	120.000	269.0	H	117.0	27.0	
933.408000	44.32	46.00	1.68	120.000	178.0	V	69.0	26.9	

External interferers visible on diagram -> not relevant for results

3.01b

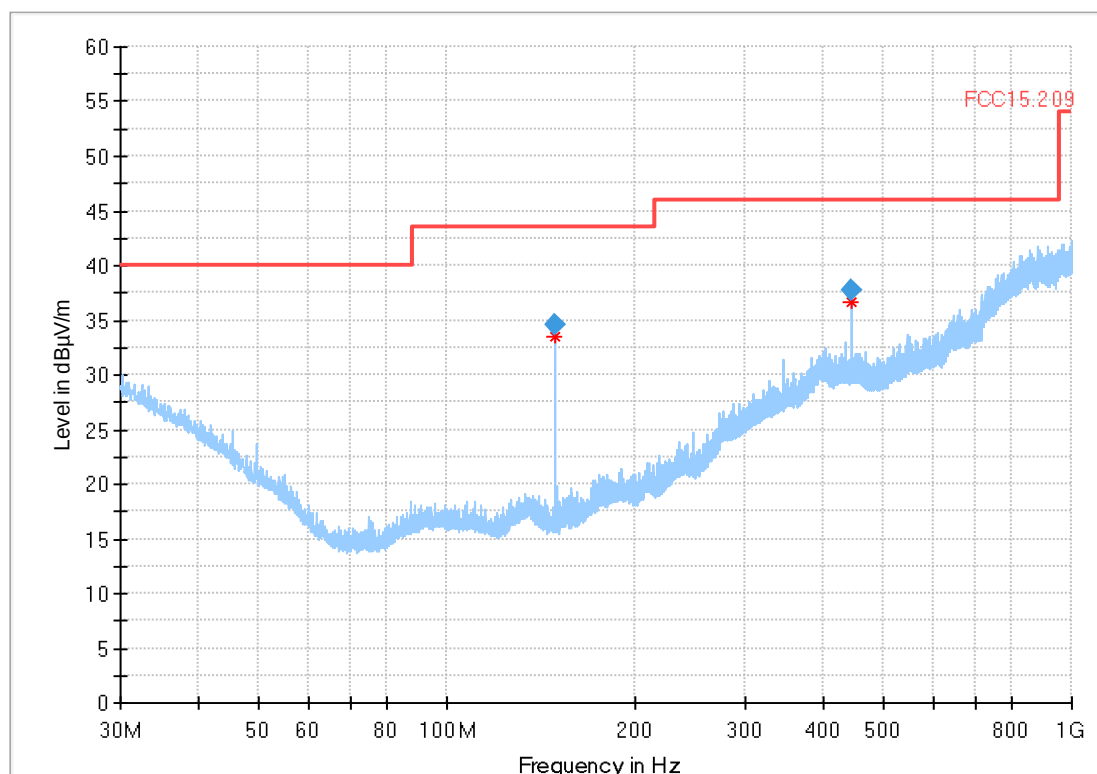
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR DH5 ch00
Power during tests:	13,5V DC
Environmental Conditions:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	34.48	43.50	9.02	120.000	105.0	V	0.0	8.6
445.500000	37.80	46.00	8.20	120.000	128.0	V	0.0	19.4

3.02a

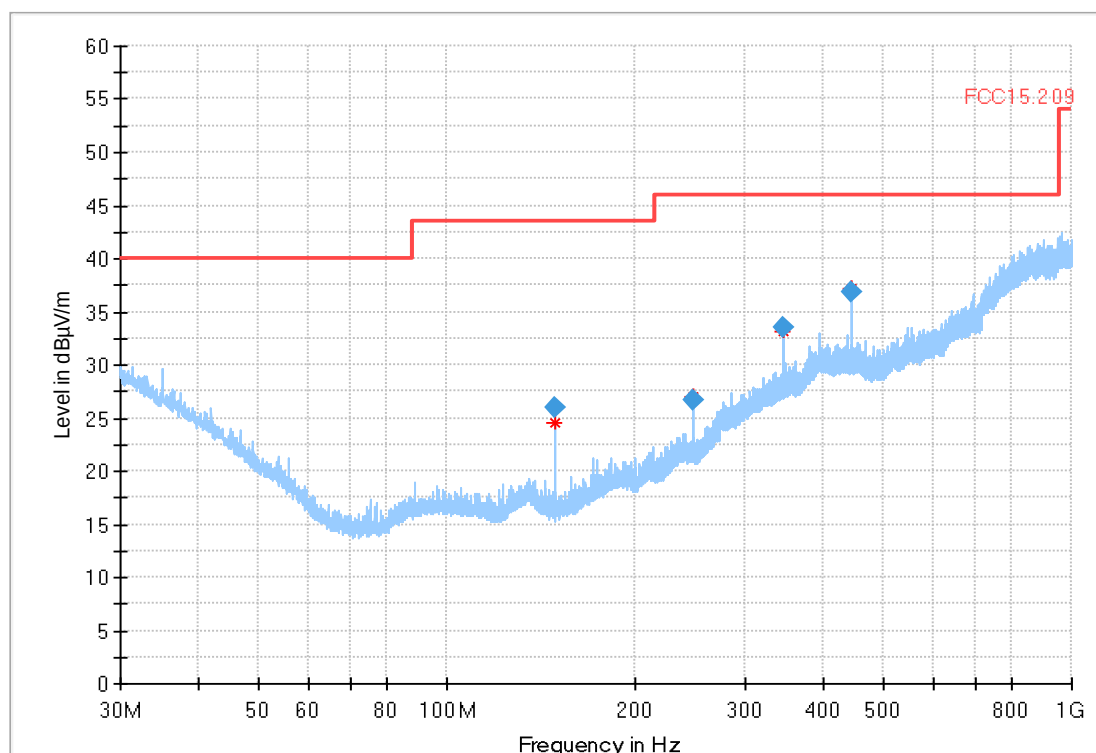
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR 2-DH5 ch39
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is laying

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	25.98	43.50	17.52	120.000	105.0	V	0.0	8.6
247.500000	26.69	46.00	19.31	120.000	105.0	H	81.0	13.1
346.500000	33.54	46.00	12.46	120.000	109.0	H	25.0	16.6
445.500000	36.92	46.00	9.08	120.000	170.0	H	75.0	19.4

3.02b

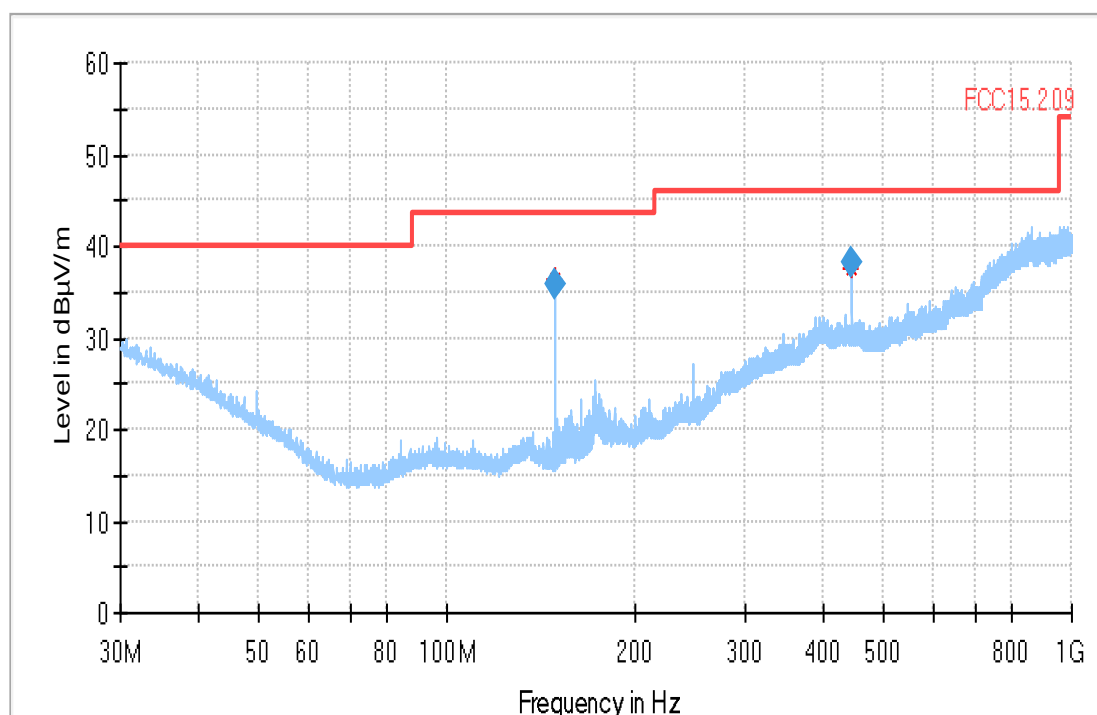
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR 2-DH5 ch39
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	35.71	43.50	7.79	120.000	105.0	V	14.0	8.6
445.500000	38.08	46.00	7.92	120.000	118.0	V	60.0	19.4

3.03a

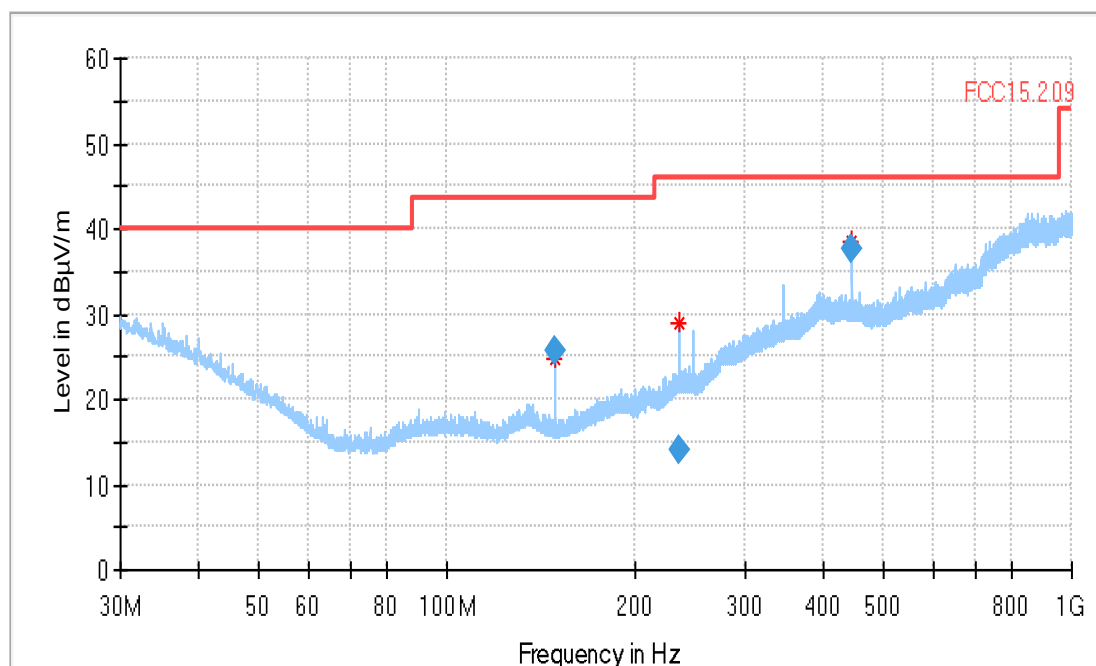
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR 3-DH5 ch78
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is Laying

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	25.56	43.50	17.94	120.000	109.0	V	0.0	8.6
235.196000	13.93	46.00	32.07	120.000	261.0	H	173.0	13.1
445.500000	37.50	46.00	8.50	120.000	179.0	H	83.0	19.4

3.03b

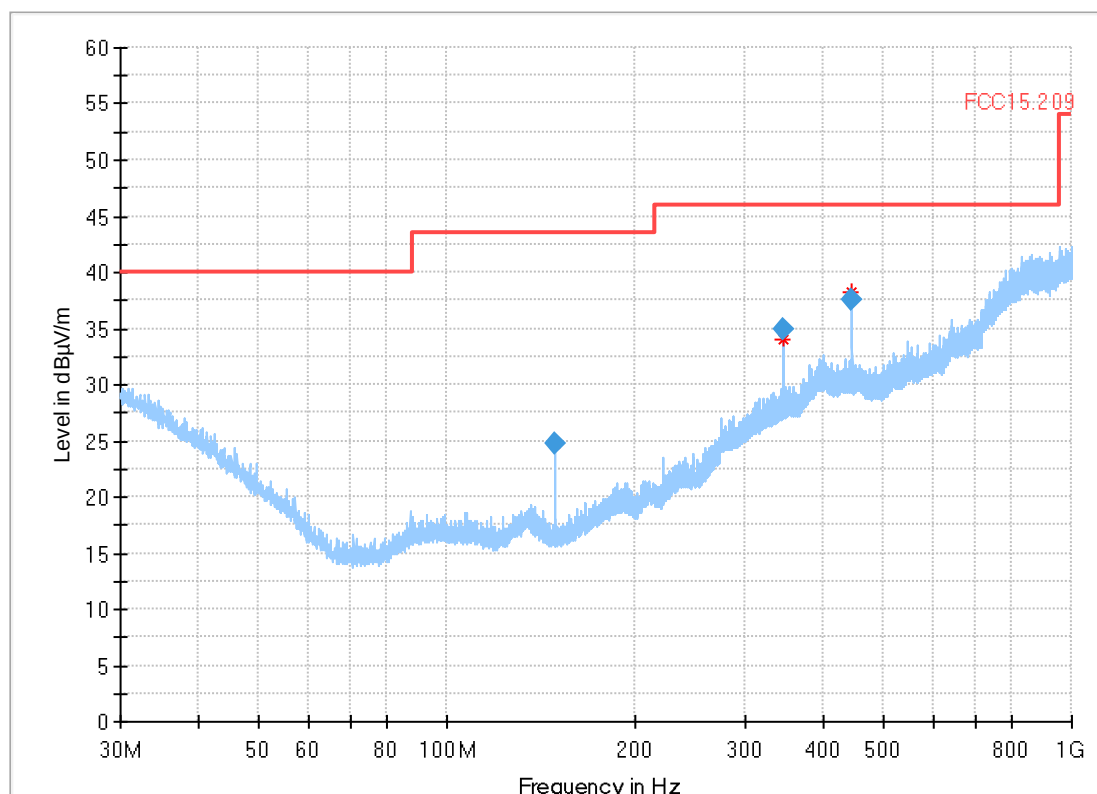
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	TFra
Operating Mode:	BT BR 3-DH5 ch78
Power during tests:	13,5V DC
Environmental Conditions:	Humidity : 31,3%rH; Temperature: 20,4°C
Comments:	EUT is standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
148.500000	24.79	43.50	18.71	120.000	118.0	V	259.0	8.6
346.500000	34.96	46.00	11.04	120.000	136.0	V	6.0	16.6
445.500000	37.54	46.00	8.46	120.000	109.0	V	63.0	19.4

3.30a_W-LAN5GHz+BT_standing

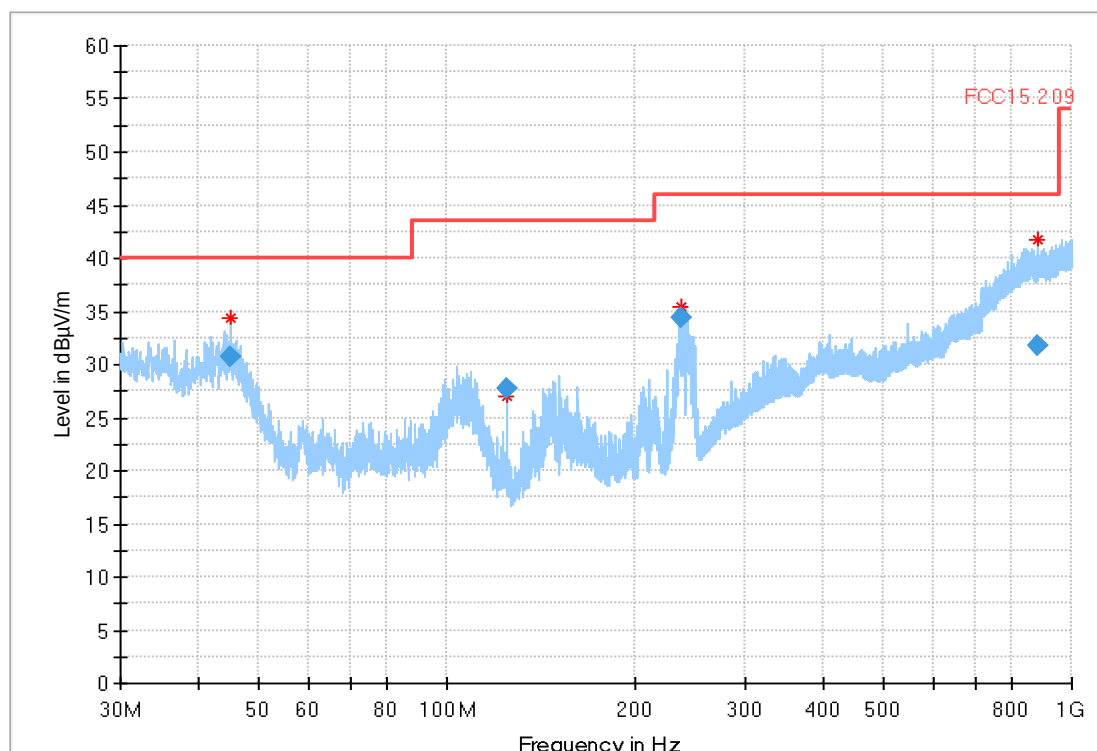
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	MKh
Operating Mode:	SimultaneousTransmissions_W-LAN5GHZ+BT
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 65,1%rH; Temperature: 21,2°C
Comment:	mobilephoneON_WLANRouter_Iperf

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.048000	30.71	40.00	9.29	120.000	105.0	V	329.0	15.0
124.996000	27.75	43.50	15.75	120.000	153.0	V	276.0	8.2
237.400000	34.43	46.00	11.57	120.000	161.0	H	207.0	13.1
884.128000	31.80	46.00	14.20	120.000	360.0	V	293.0	26.9

3.30a_W-LAN5GHz+BT_laying

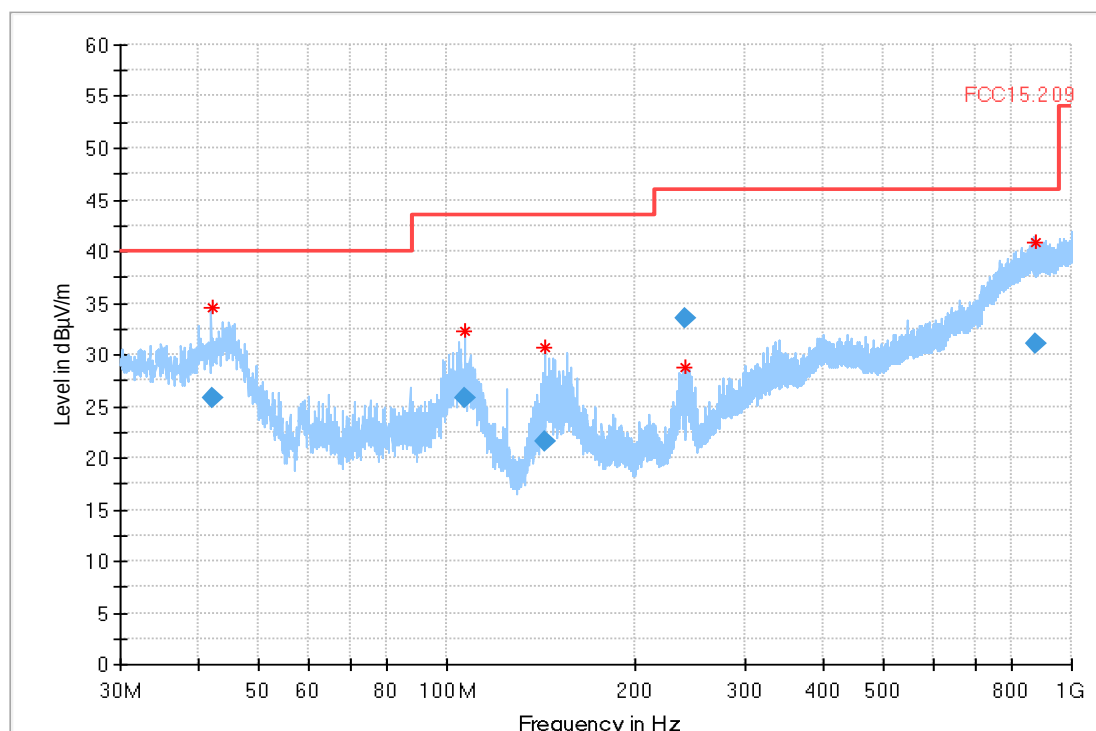
Common Information

Test description:	Electric Field Strength Measurement
Test site and distance:	Ref.-No. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Version of Testsoftware:	EMC.V9.25.00
Technical Data:	Please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	Mkh/Mah
Operating Mode:	Simultaneous Transmissions_W-LAN5GHz+BT
Power during tests:	13,5V DC
Environmental Conditions.:	Humidity : 66,0%rH; Temperature: 21,2°C
Comment:	MobilephoneON_WLANRouter_Iperf

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.060000	25.77	40.00	14.23	120.000	299.0	H	11.0	16.3
106.752000	25.80	43.50	17.70	120.000	297.0	H	177.0	8.1
143.240000	21.66	43.50	21.85	120.000	249.0	H	332.0	8.7
240.000000	33.54	46.00	12.46	120.000	120.0	H	215.0	13.1
877.260000	31.12	46.00	14.88	120.000	333.0	H	68.0	26.2

2.3. Spurious emissions radiated Bluetooth BDR 1 GHz to 18 GHz

4.01a

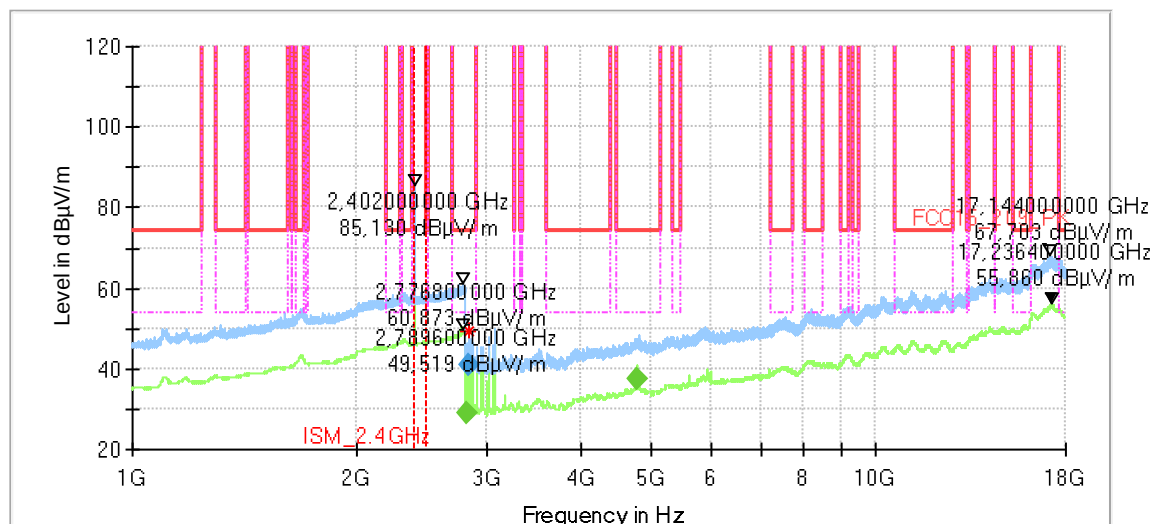
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT BR DH5 ch00
Operator:	npe
Comment:	Channel no. low
Comment2:	Modulation Type: DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
2810.400000	---	54.00	25.23	100.0	1000.000	H	-2.0	0.0	2
2829.200000	40.94	74.00	33.06	100.0	1000.000	H	210.0	0.0	1
4784.400000	---	54.00	16.38	100.0	1000.000	V	160.0	0.0	6

4.02a

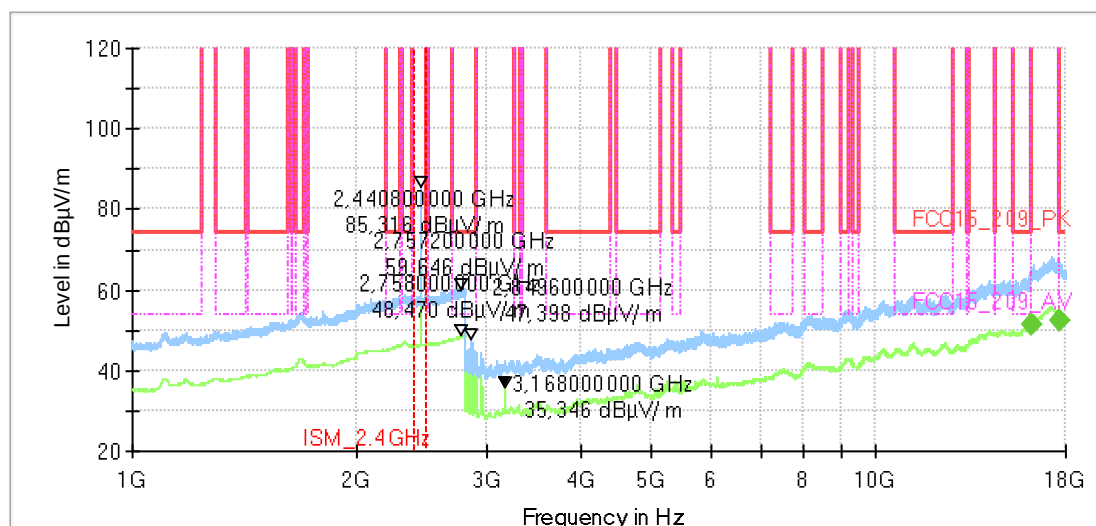
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX 2-DH5
Operator:	npe
Comment:	Channel 39
Comment2:	Modulation Type: 3-DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
16200.000000	---	54.00	2.76	100.0	1000.000	V	341.0	90.0	28
17705.200000	---	54.00	1.49	100.0	1000.000	H	100.0	90.0	29

4.03a

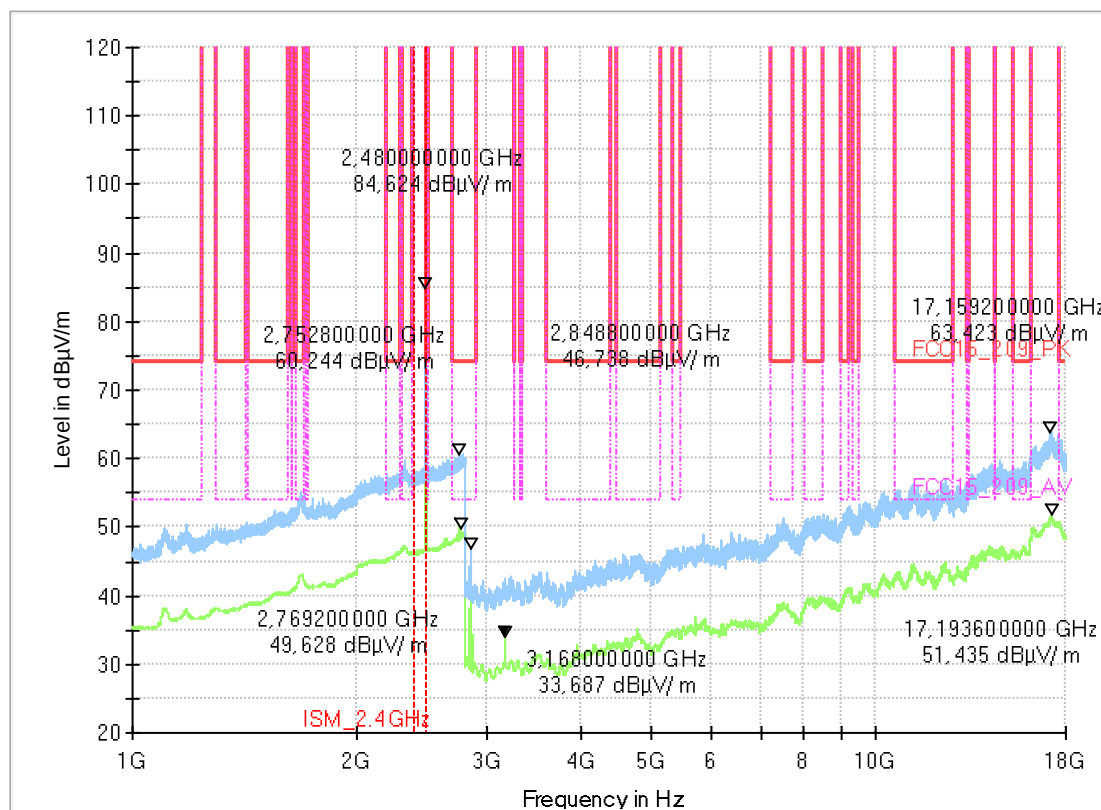
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX 3-DH5
Operator:	npe
Comment:	Channel 78
Comment2:	Modulation Type: 3-DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



4.30a_BT_WLAN5

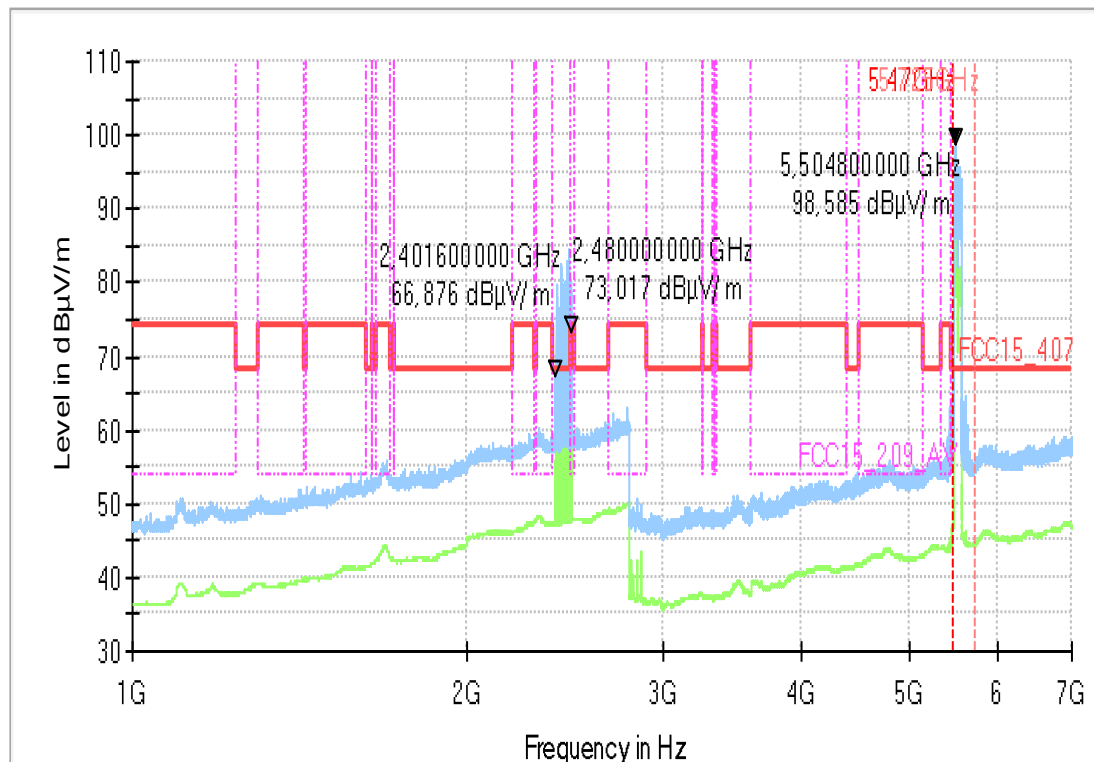
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operating Mode:	BT + WLAN 5GHz
Operator:	TFra
Comment:	1
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



4.31a_BT_WLAN5

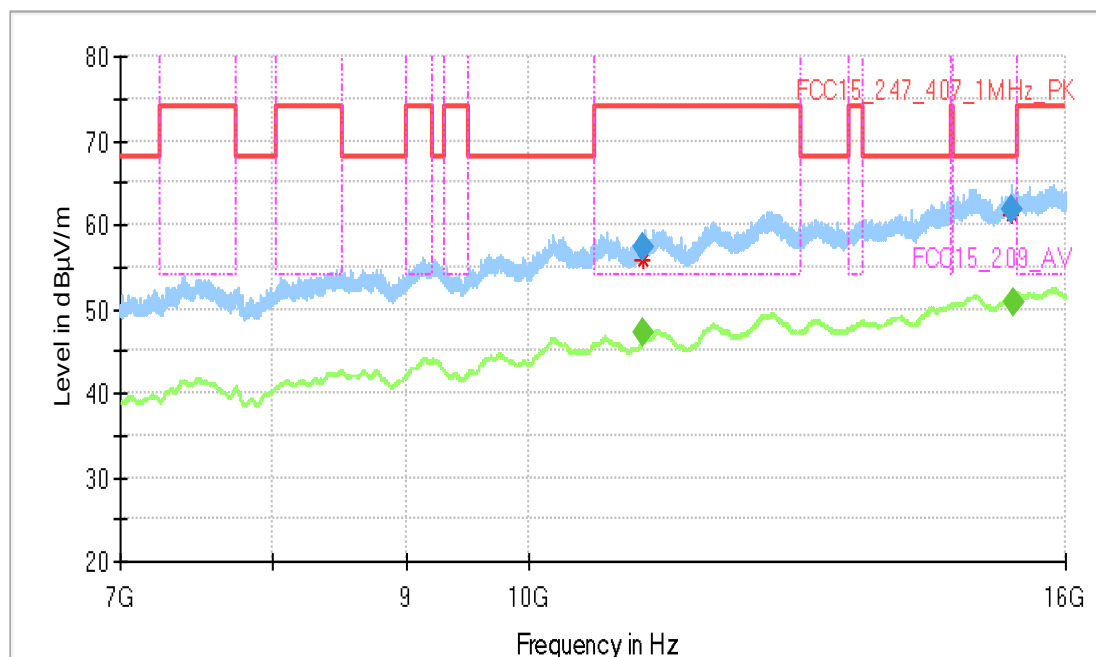
Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.407&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Software Version:	#Ver
Operating Mode:	BT + WLAN 5GHz
Operator:	TFra
Comment:	1
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum

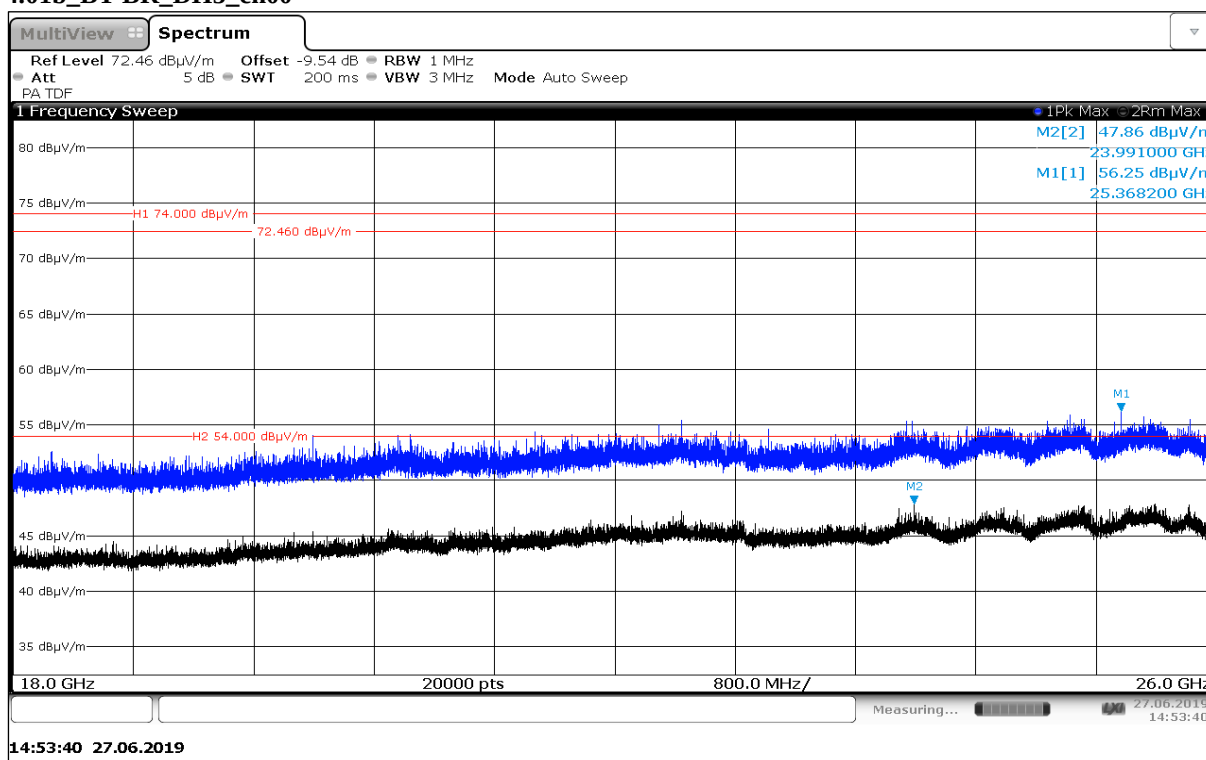


Final Result

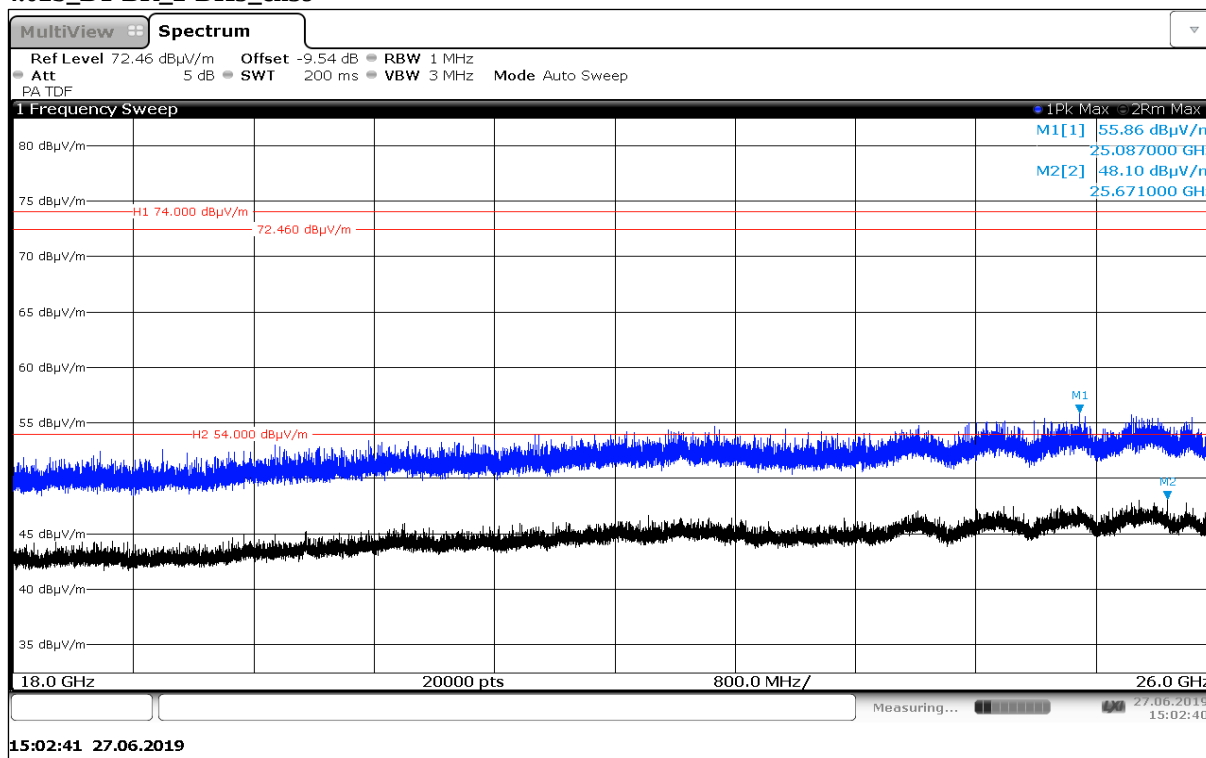
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB/m)
11059.800000	---	54.00	6.92	100.0	1000.000	H	42.0	0.0	25
11065.000000	57.26	74.00	16.74	100.0	1000.000	V	69.0	90.0	25
15267.800000	61.73	68.00	6.27	100.0	1000.000	V	10.0	0.0	31
15290.600000	---	150.00	99.34	100.0	1000.000	H	291.0	0.0	31

2.4. Spurious emissions radiated Bluetooth 18 GHz to 26.5 GHz

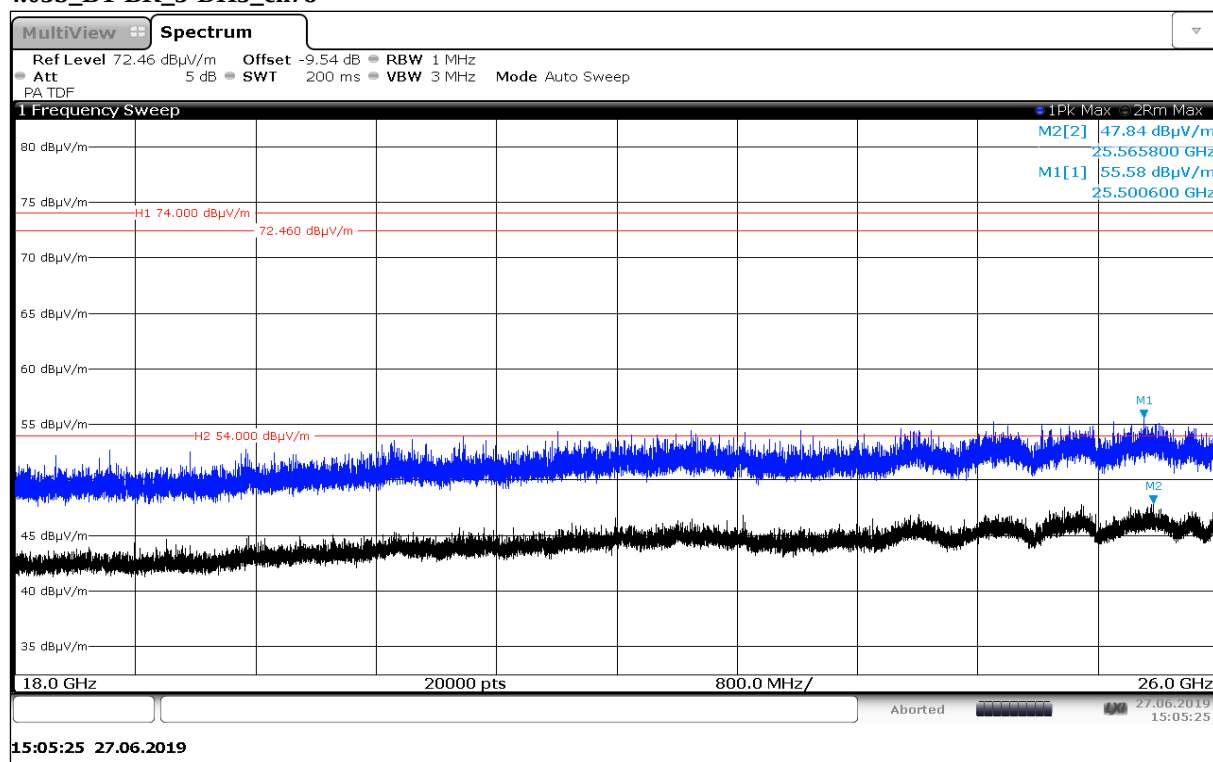
4.01b_BT BR_DH5_ch00



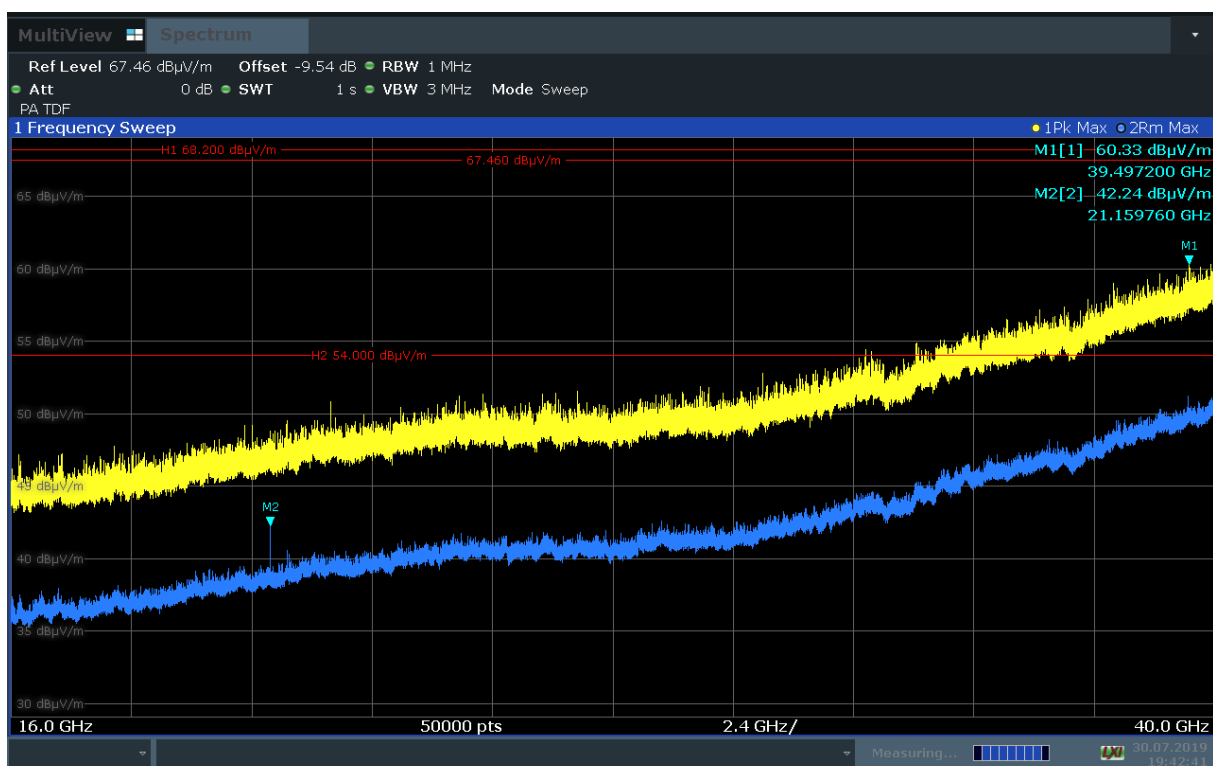
4.02b_BT BR_2-DH5_ch39



4.03b_BT BR_3-DH5_ch78



4.30b_BT-WLAN5



3. Radiated Band Edge Measurements

3.1. Radiated emissions on Bluetooth BDR band-edge low

9.01a_BT_EDR_ch00

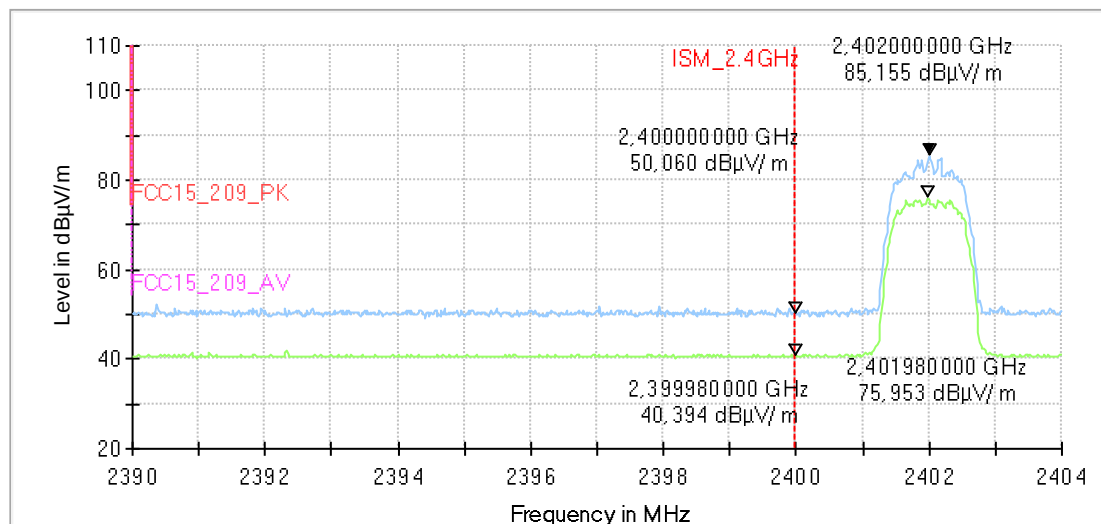
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX 2-DH5 ch00
Operator:	npe
Comment:	Channel 00
Comment2:	Modulation Type: 2-DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



9.02a_BT_EDR_ch00

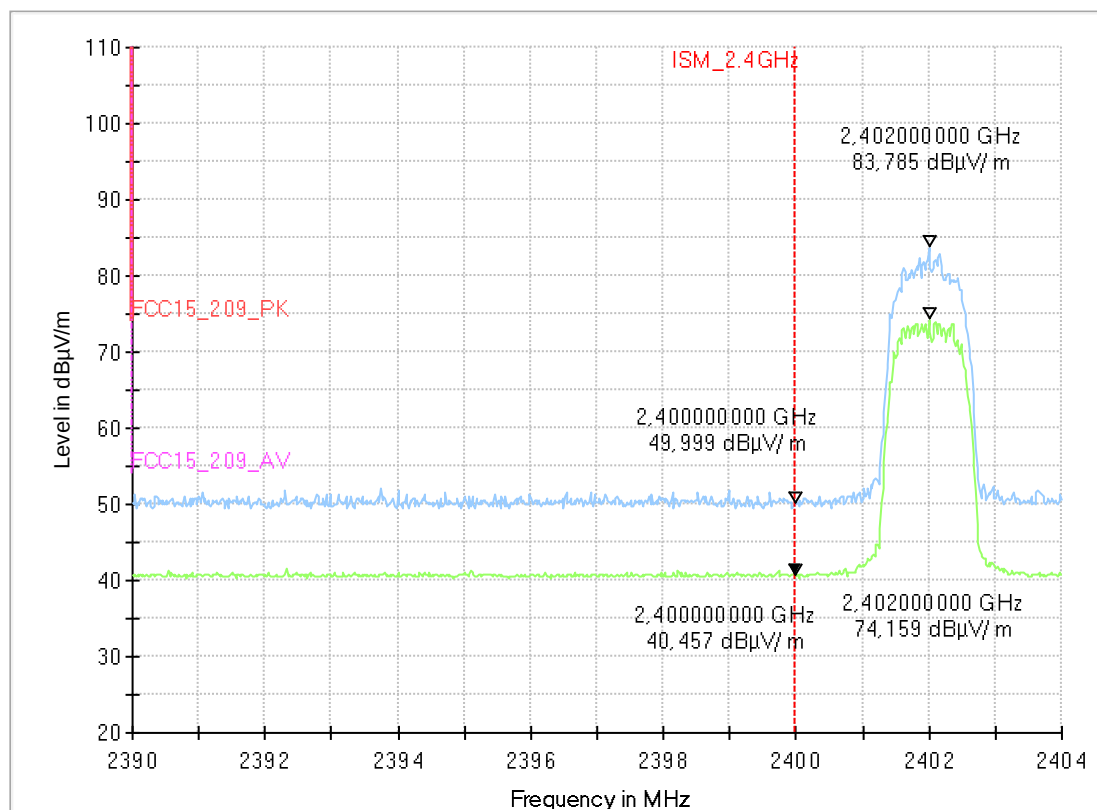
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BCTX3-dh5
Operator:	RAbdurrahi
Comment:	Channel no. low
Comment2:	Modulation Type: 3-dh5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



9.03a_BT_BDR_ch00

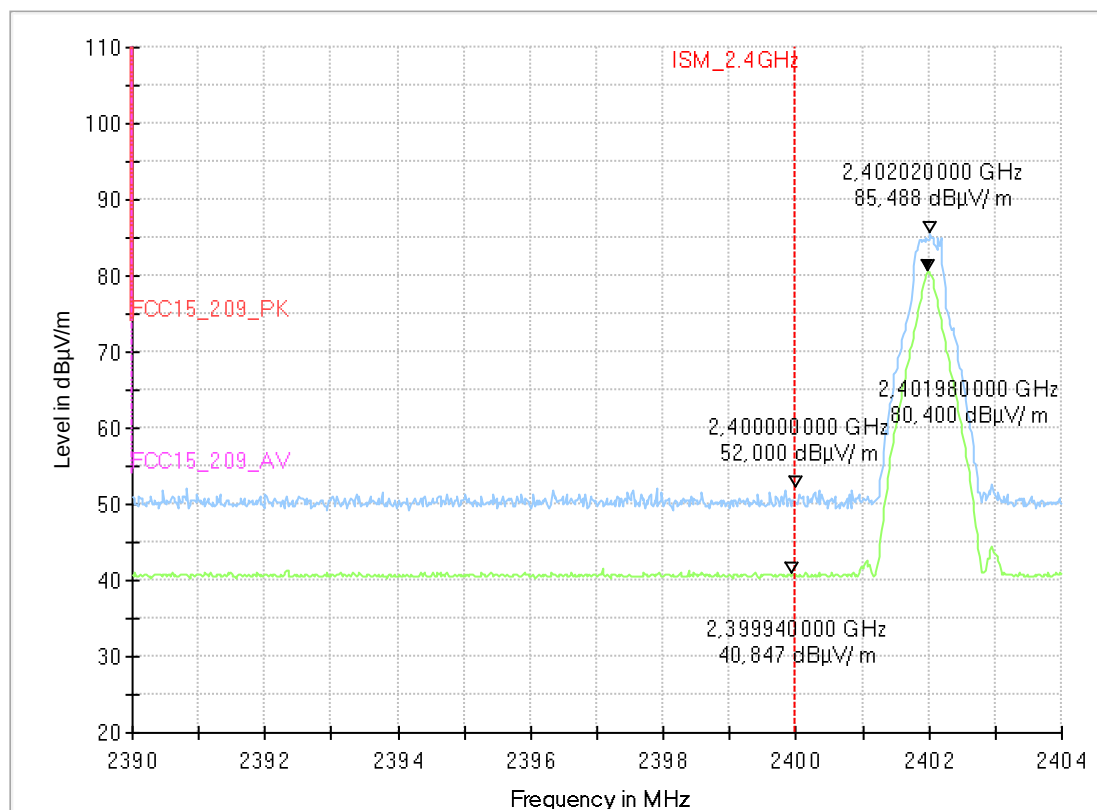
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX DH5 ch00
Operator:	npe
Comment:	Channel no. 00
Comment2:	Modulation Type: DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



9.04a_BT_EDR_ch00

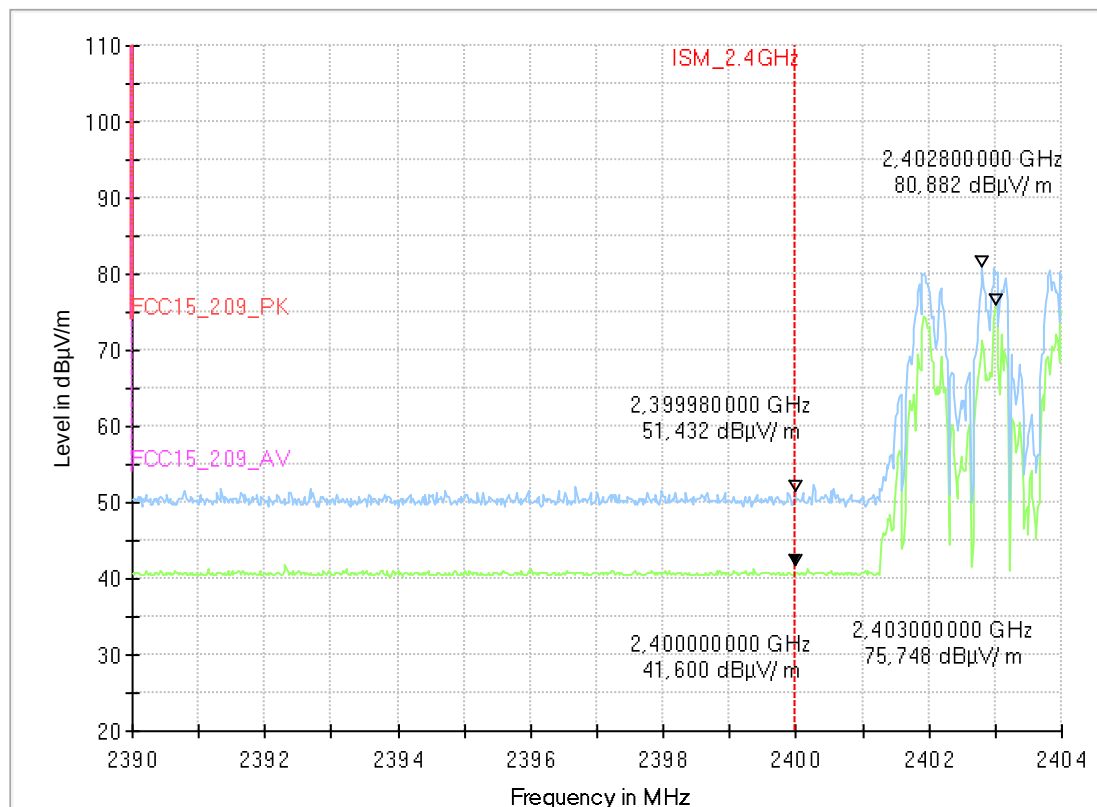
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT EDR DH-5 Hopping
Operator:	RAbdurrahi/TFra
Comment:	Channel no. low
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



3.2. Radiated emissions on Bluetooth EDR band-edge high

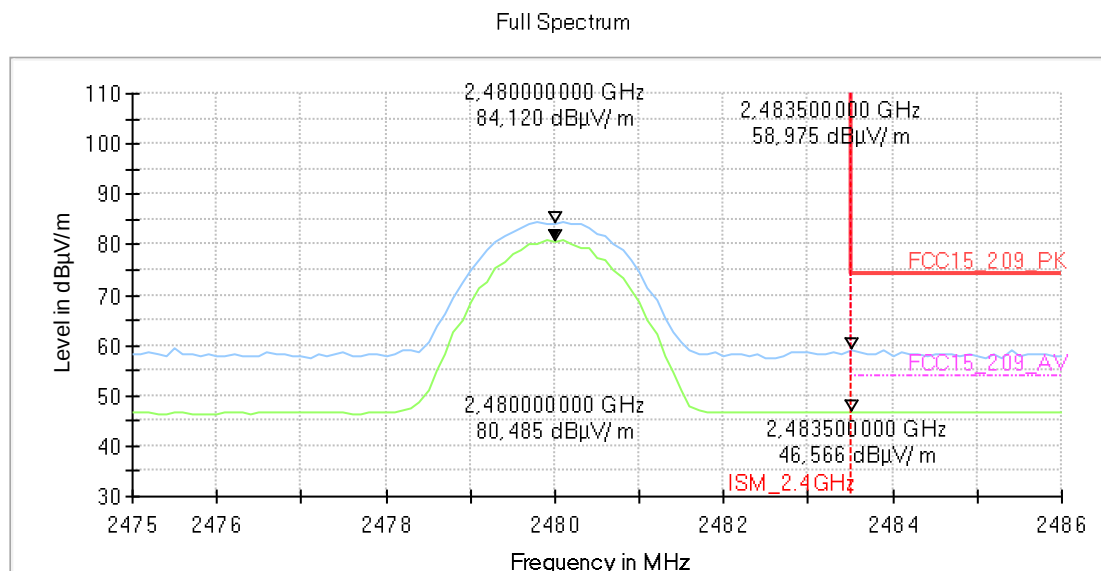
9.01b_BT_EDR_ch78

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX 2-DH5 ch78
Operator:	npe
Comment:	Channel no. low/high
Comment2:	Modulation Type: xxx Data Rate: yyy Environmental Conditions::
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC



9.02b_BT_EDR_ch78

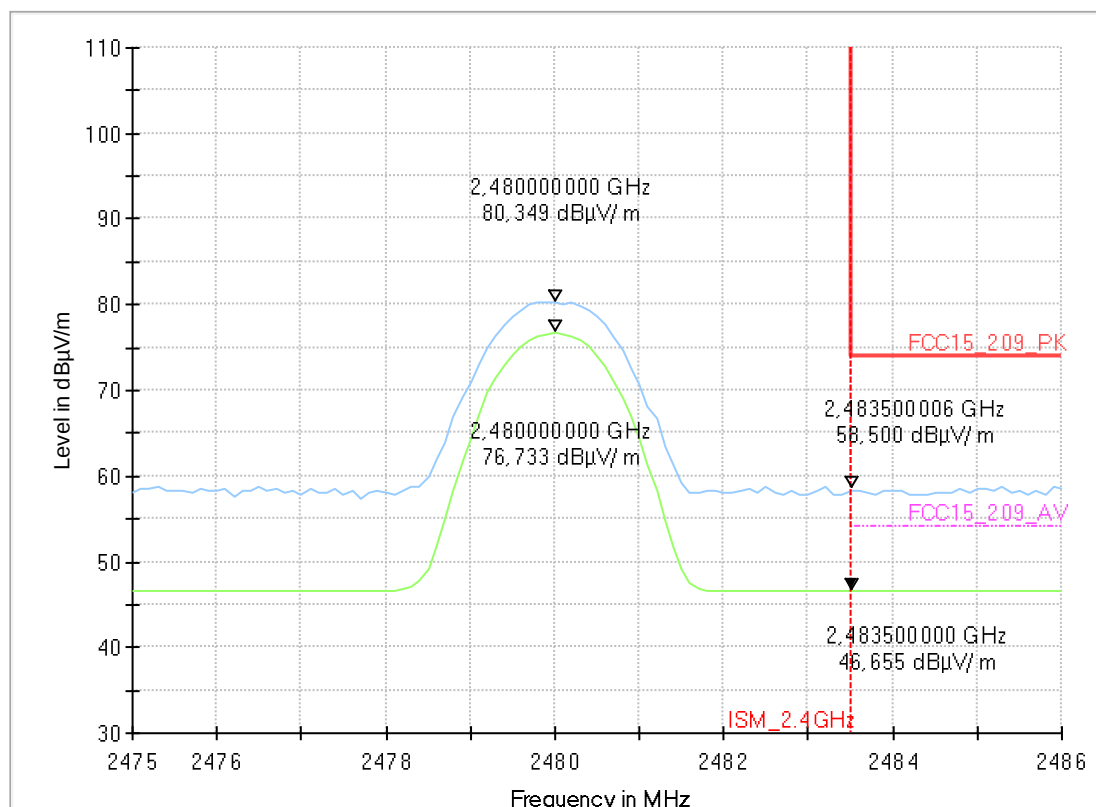
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT EDR 3-dh5
Operator:	RAbdurrahi/TFra
Comment:	Channel no. high
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



9.03b_BT_BDR_ch78

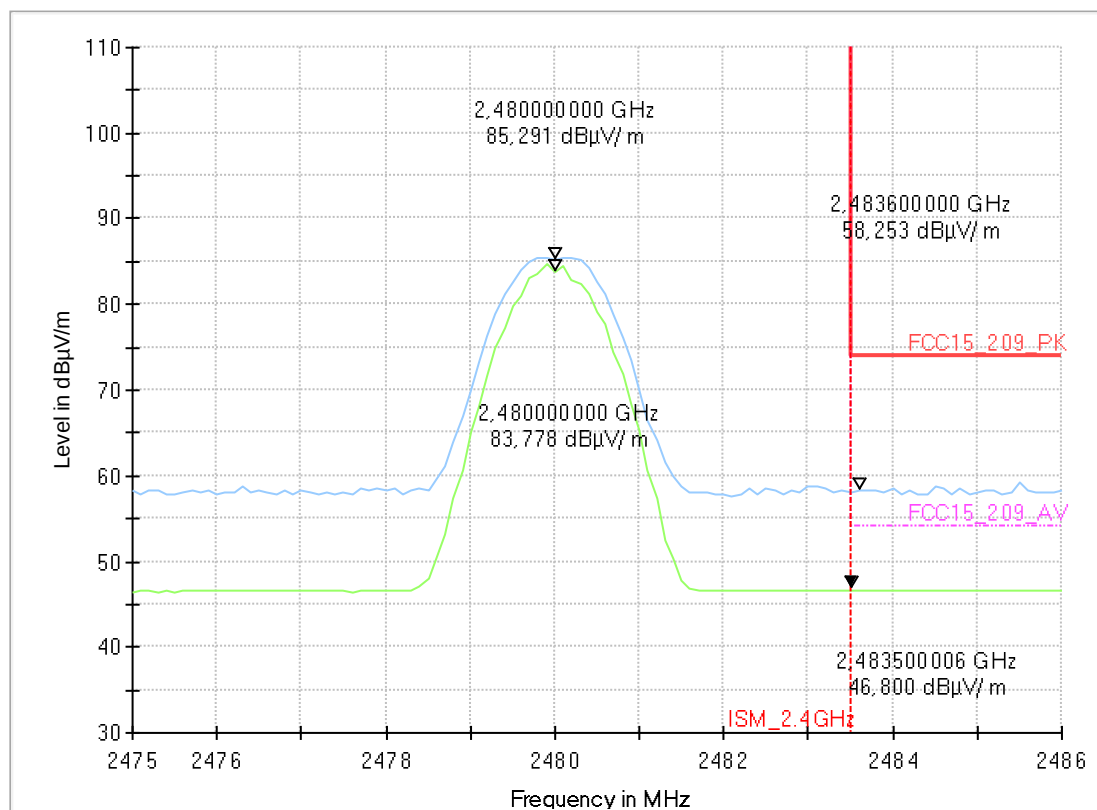
Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT TX DH5 ch78
Operator:	npe
Comment:	Channel 78
Comment2:	Modulation Type: DH5
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum



9.04b_BT_EDR_ch78

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operating Mode:	BT EDR DH-5 Hopping
Operator:	RAbdurrahi/TFra
Comment:	Channel no. high
EUT Setup:	1
Verdict:	Passed

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIV10
Type:	Multimedia device with Bluetooth and WLAN
HW-Version	001
SW-Version	1049
Comment:	0005057
Power Supply:	13.5 V DC

Full Spectrum

