Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 17-1-0065901T59a

According to:

FCC Regulations
Part 15.205
Part 15.209
Part 15.247

IC-Regulations
RSS-Gen, Issue 4
RSS-247, Issue 1

for

Bosch Car Multimedia GmbH

AIVIP32R0

FCC-ID: YBN-AIVIP32R0
IC: 9595A-AIVIP32R0
PMN: AIVIP32R0
HVIN: AIVIP32R0
FVIN: X128

Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	MRA US-EU 0003	Industry Canada Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	ctia Authorized™ Test Lab Lab Code: 20011130-00		
accredited according to DIN EN ISO/IEC 17025			

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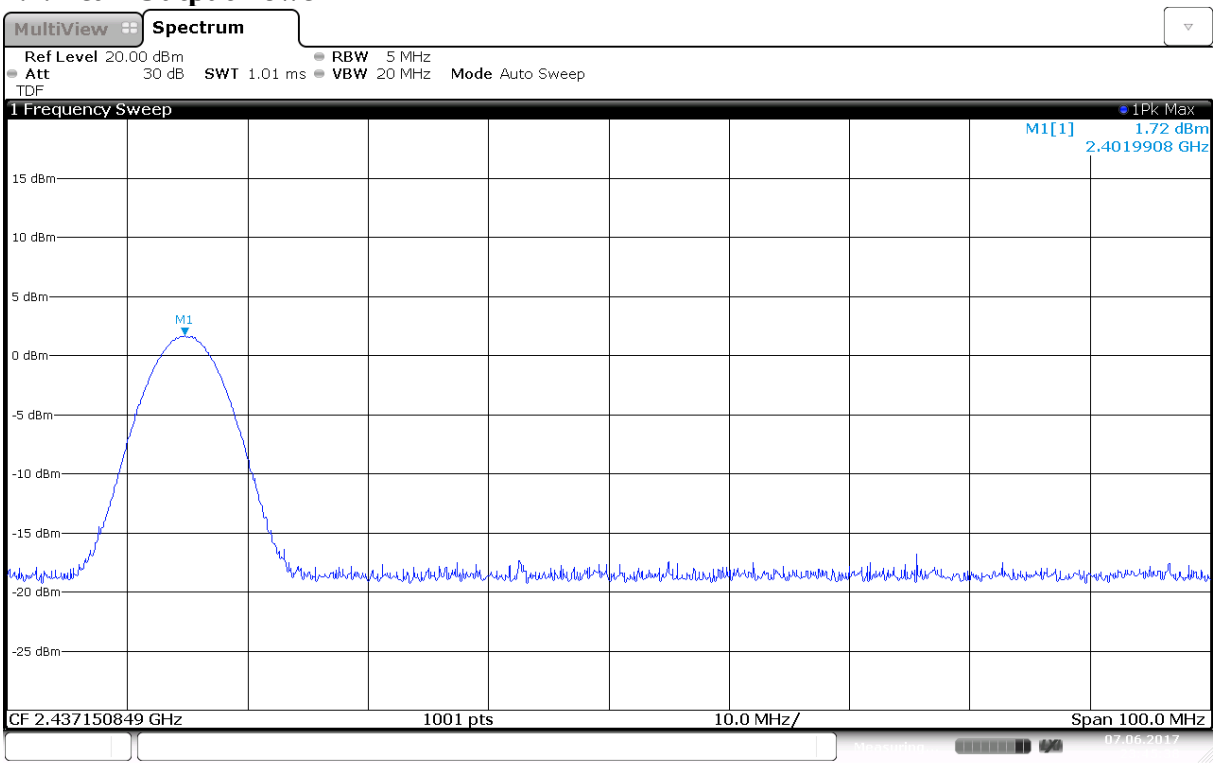
1. Conducted RF-Measurements

1.1. RF output Power

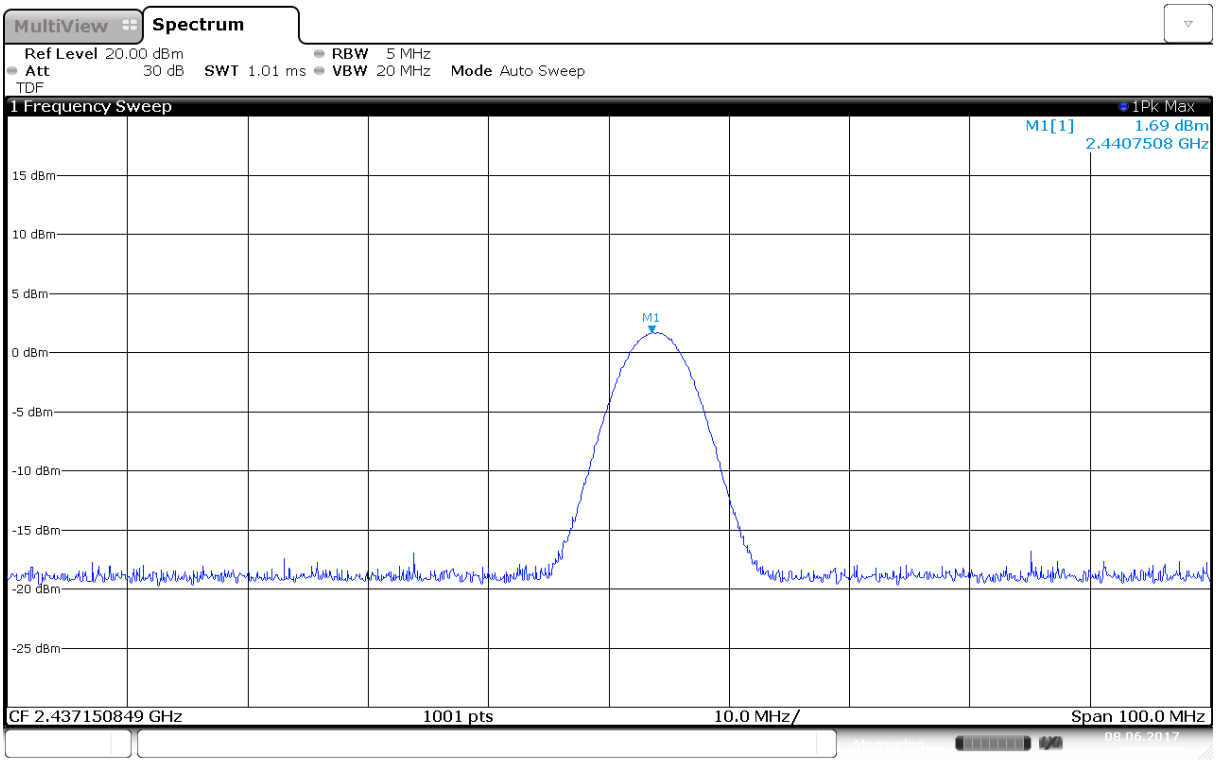
Conducted Peak Power Measurements for Bluetooth FHSS (BR & EDR) Modes				
Bluetooth FHSS (Mode)	Modulation (Data Rate)	Channel No. (Channel Frequency)	Conducted Peak Power (dBm)	Conducted Peak Power (mW)
Bluetooth FHSS (BR Mode)	GFSK (1 Mbps)	Channel No. 0 (2402 MHz)	1,72	1,486
	GFSK (1 Mbps)	Channel No. 39 (2441 MHz)	1,69	1,476
	GFSK (1 Mbps)	Channel No. 78 (2480 MHz)	2,01	1,589
Bluetooth FHSS (EDR Mode)	π/4-DQPSK (2 Mbps)	Channel No. 0 (2402 MHz)	4,05	2,541
	π/4-DQPSK (2 Mbps)	Channel No. 39 (2441 MHz)	4,49	2,812
	π/4-DQPSK (2 Mbps)	Channel No. 78 (2480 MHz)	4,77	2,999
	8DPSK (3 Mbps)	Channel No. 0 (2402 MHz)	4,3	2,692
	8DPSK (3 Mbps)	Channel No. 39 (2441 MHz)	4,68	2,938
	8DPSK (3 Mbps)	Channel No. 78 (2480 MHz)	5,08	3,221
Conducted Peak Power Limits			20.97	125

1.2. Peak Output Power



23:45:39 07.06.2017

1.2.1. DH1 | GFSK 1Mbps | Lowest Channel 00 (2402 MHz)



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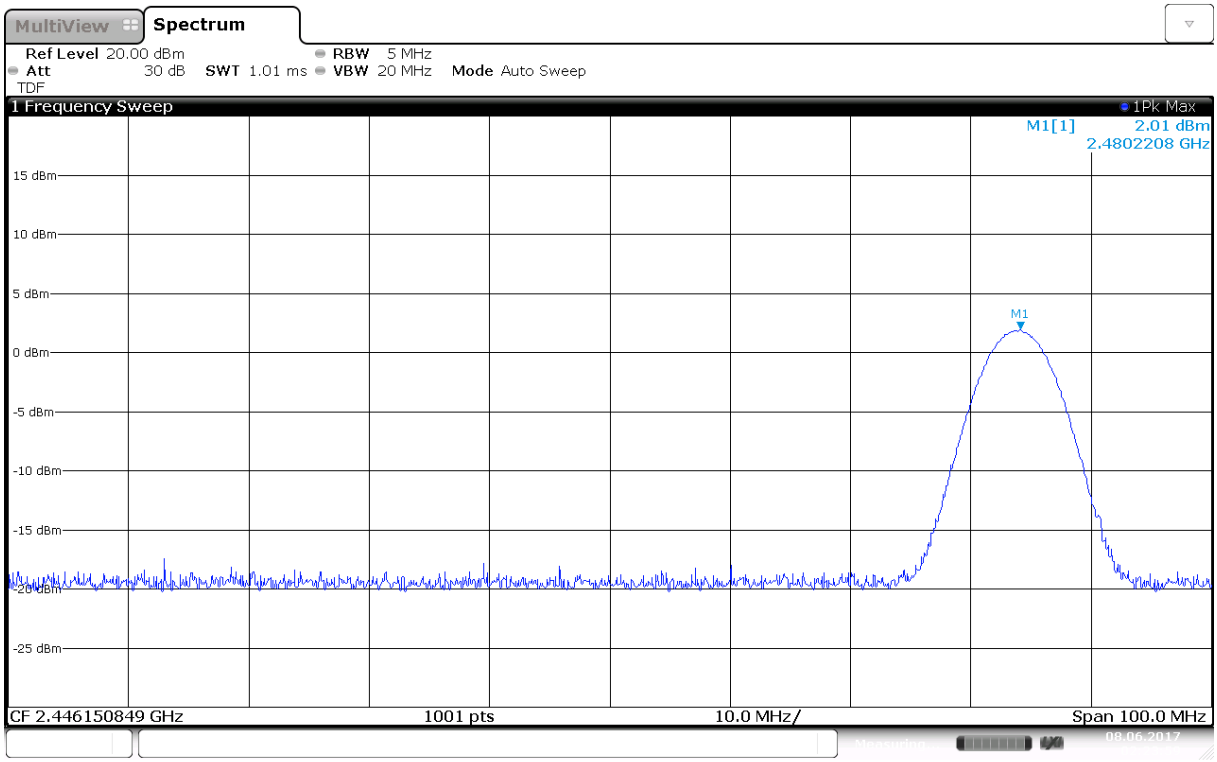
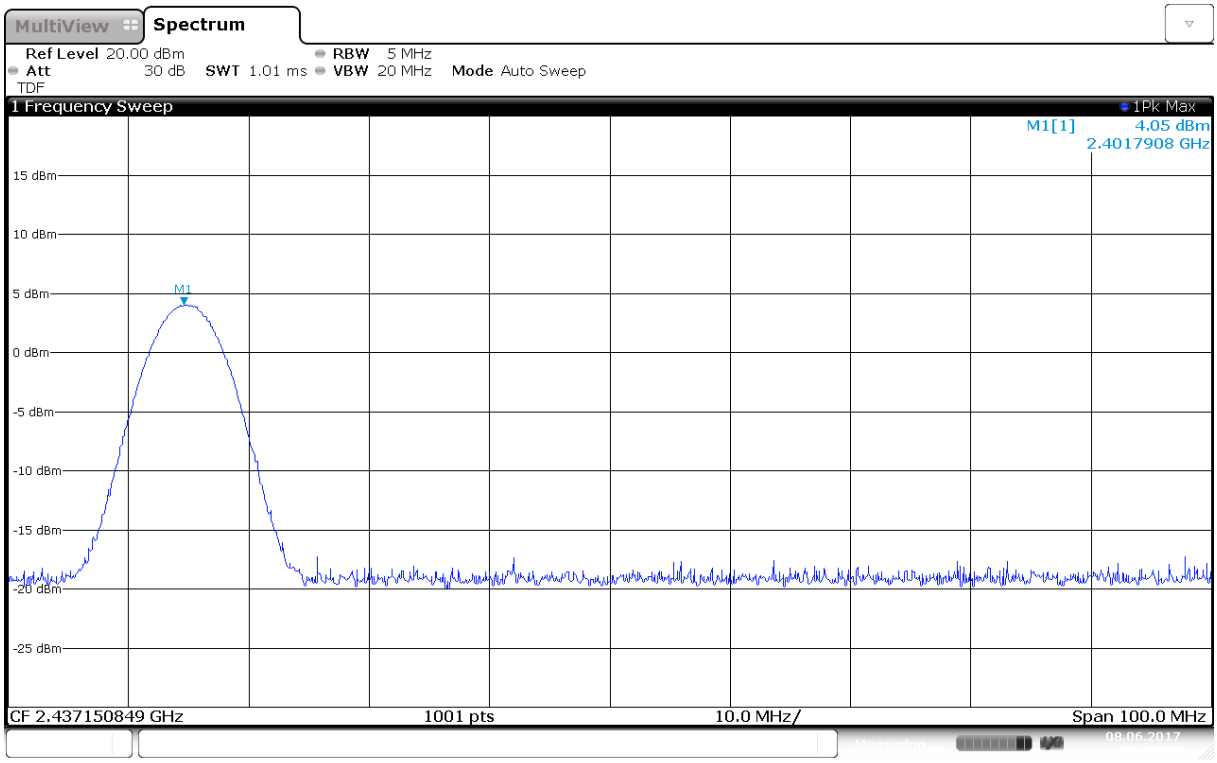
1.2.2. DH1 | GFSK 1Mbps | Middle Channel 39 (2441 MHz)



02:23:59 08.06.2017

1.2.3. DH1 | GFSK 1Mbps | Middle Channel 78 (2480 MHz)



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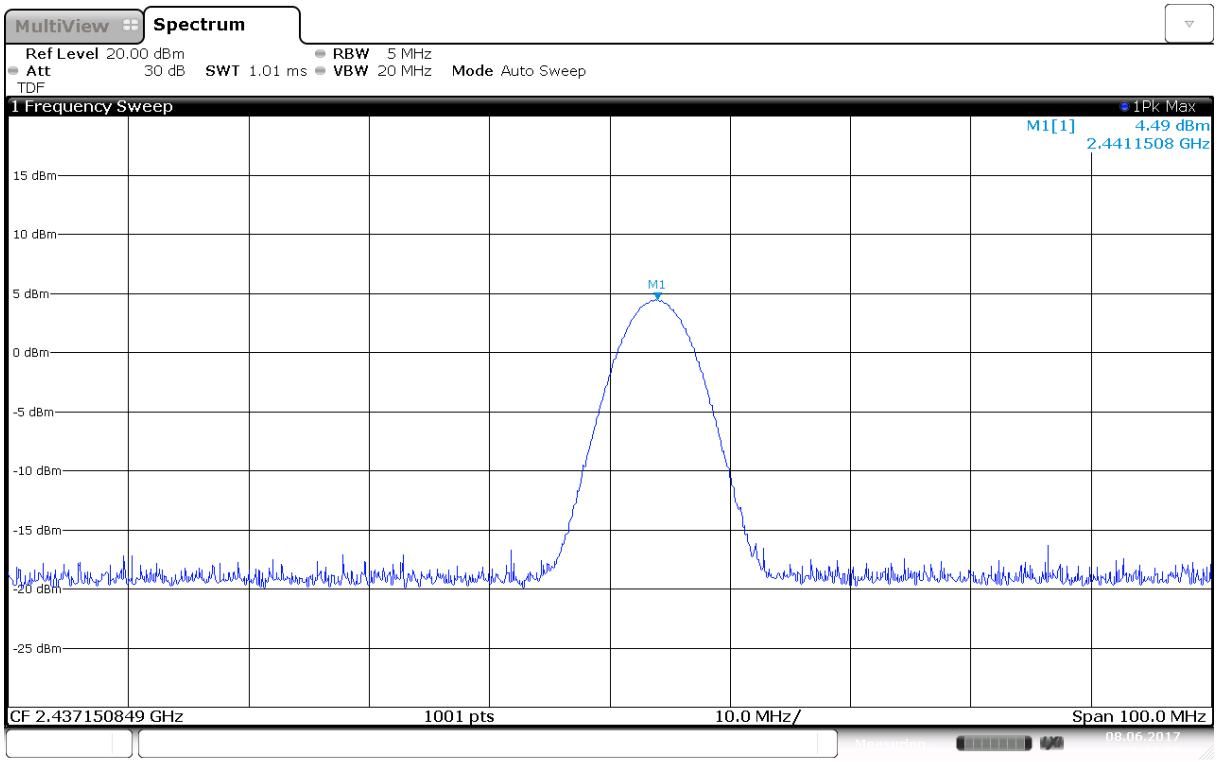
1.2.4. 2-DH5 | π/4-DQPSK 3Mbps | Ch 00 (2402 MHz)



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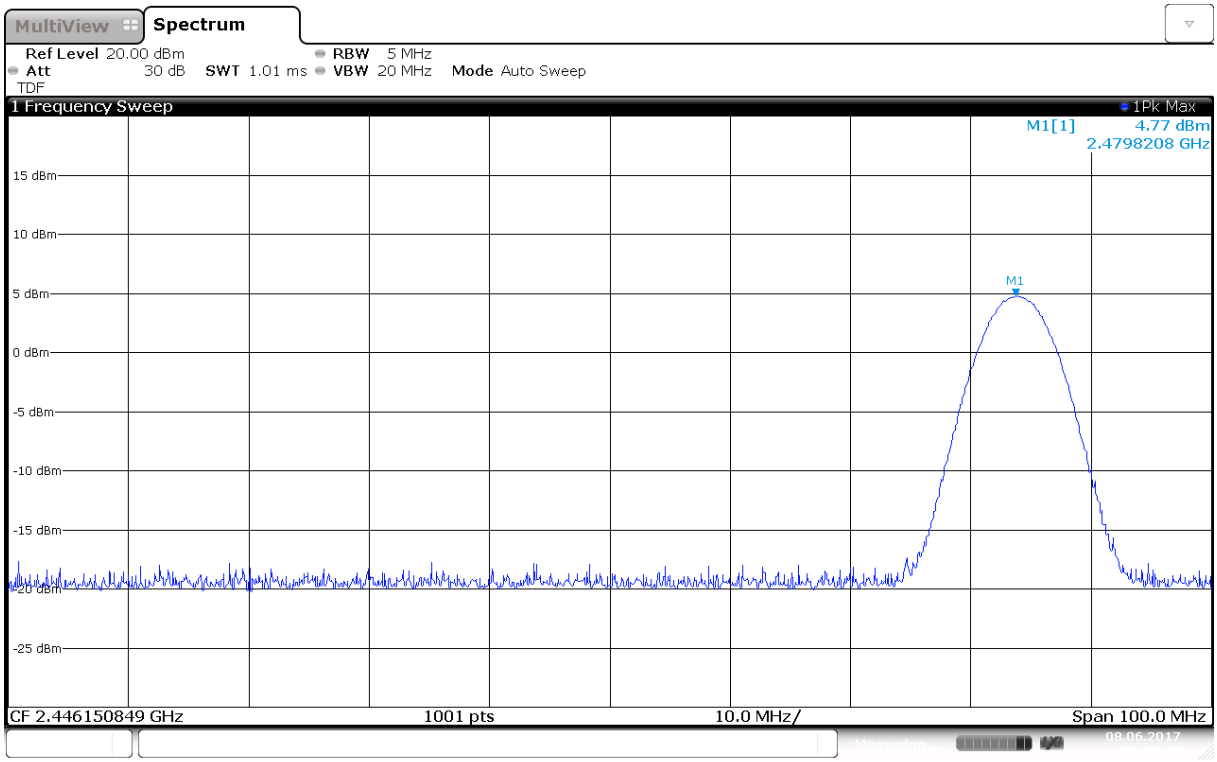
1.2.5. 2-DH5 | π/4-DQPSK 3Mbps | Ch 39 (2441 MHz)



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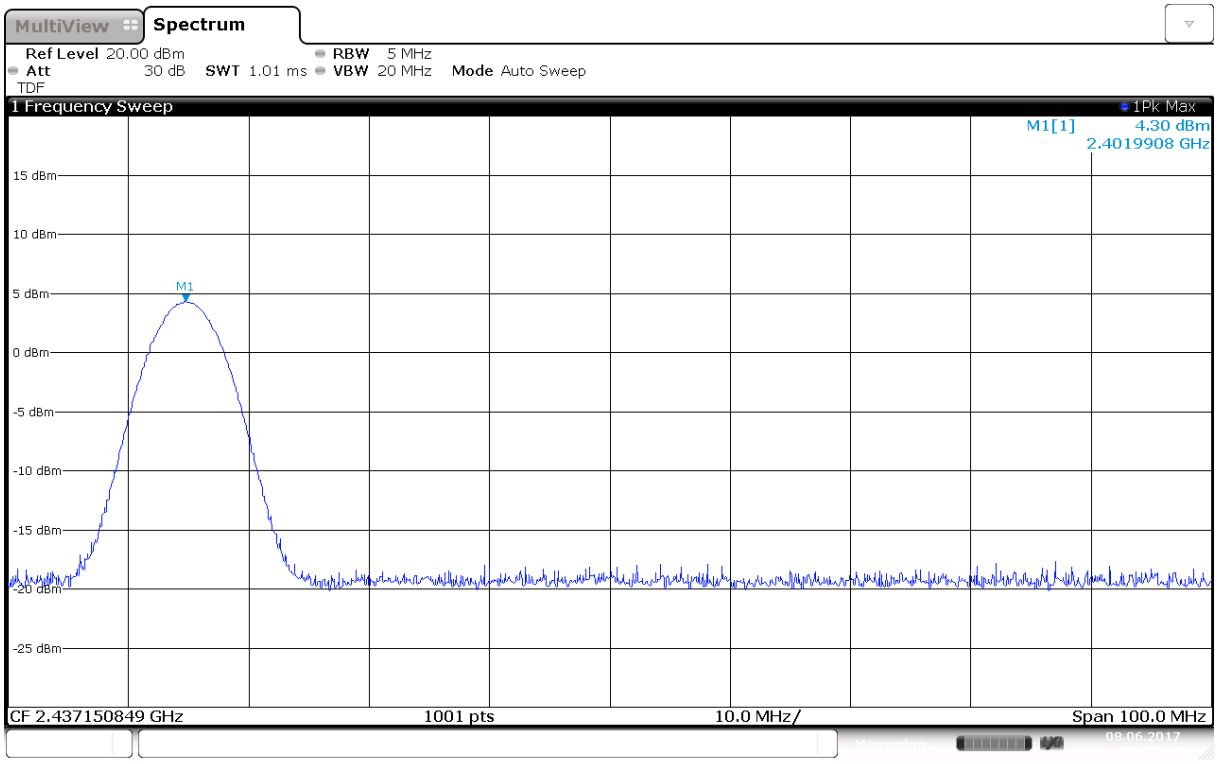
1.2.6. 2-DH5 | π/4-DQPSK 3Mbps | Ch 78 (2480 MHz)



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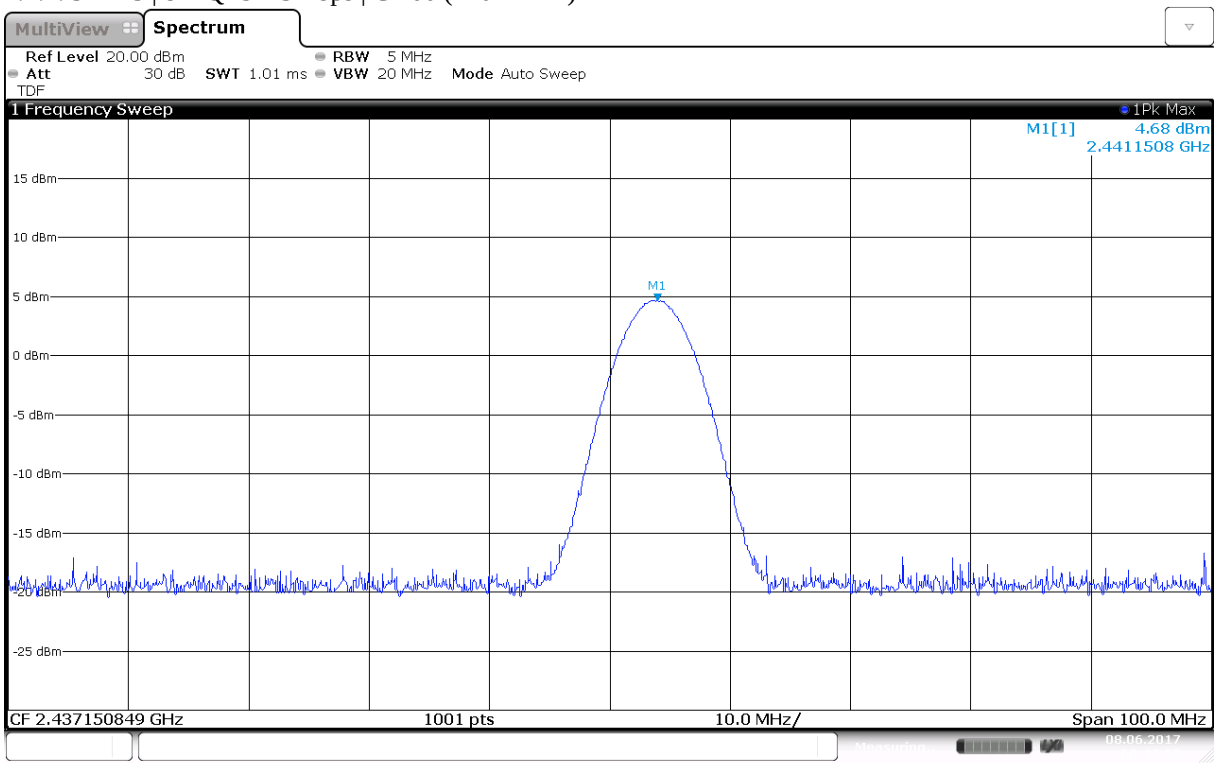
1.2.7. 3-DH3 | 8-DQPSK 3Mbps | Ch 00 (2402 MHz)



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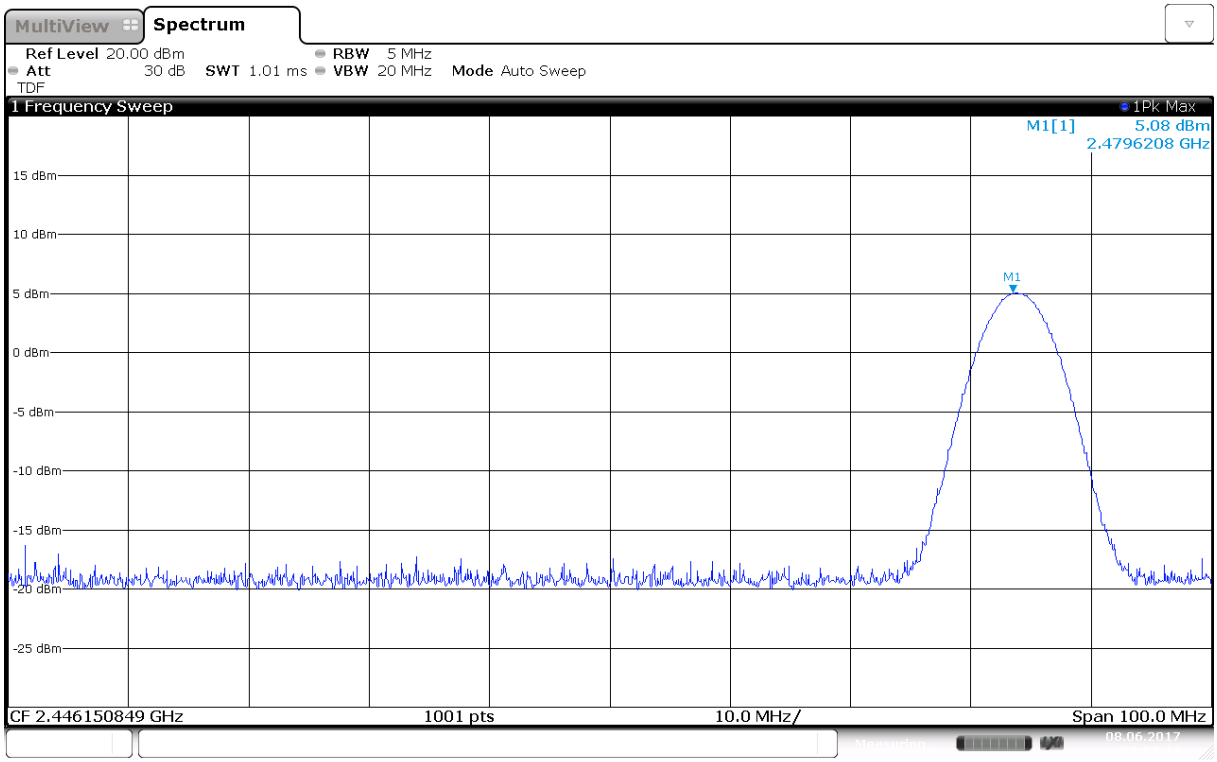
1.2.8. 3-DH3 | 8-DQPSK 3Mbps | Ch 39 (2441 MHz)



00:55:14 08.06.2017

1.2.9. 3-DH3 | 8-DQPSK 3Mbps | Ch 78 (2480 MHz)

1.3. 20 dB Bandwidth

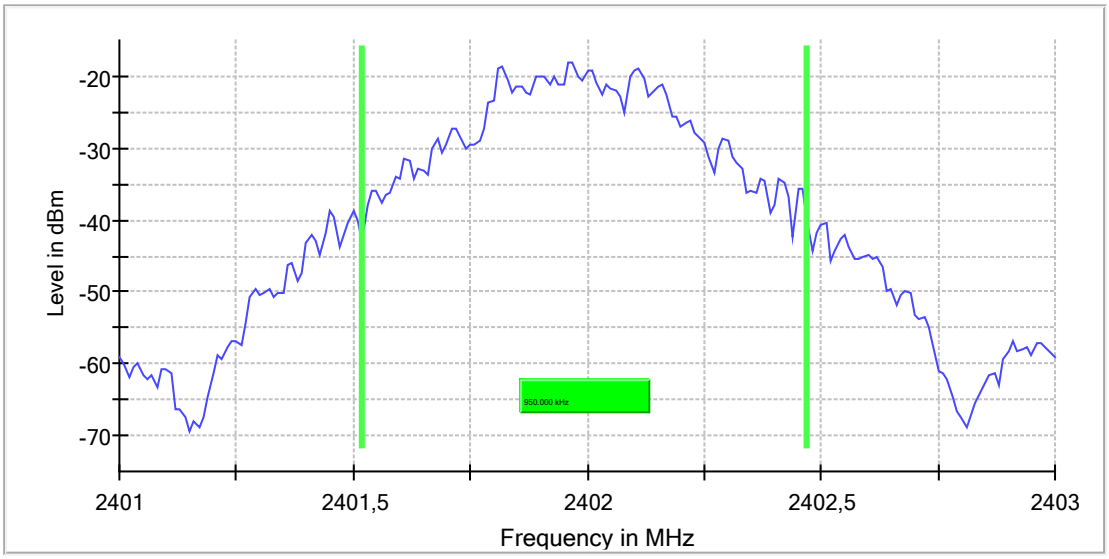
1.3.1. DH1 | GFSK 1Mbps | Lowest Channel 0 (2402 MHz)

Emission Bandwidth 20 dB (2402 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2402.000000	0.950000	---	---	2401.520000	2402.470000	-18.1	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.06 dB	0.50 dB

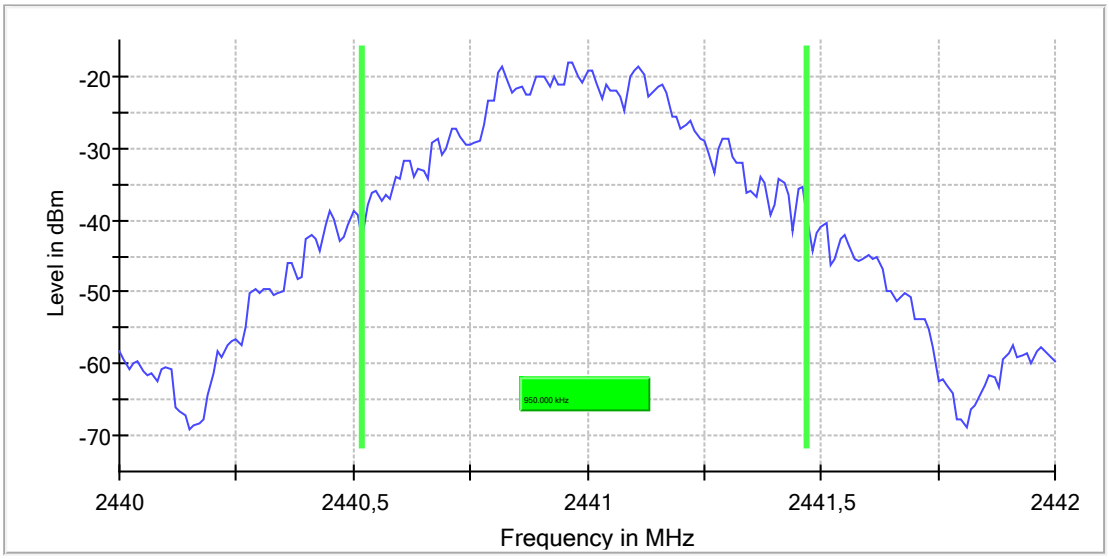
1.3.2. DH1 | GFSK 1Mbps | Lowest Channel 39 (2441 MHz)

Emission Bandwidth 20 dB (2441 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2441.000000	0.950000	---	---	2440.520000	2441.470000	-18.0	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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

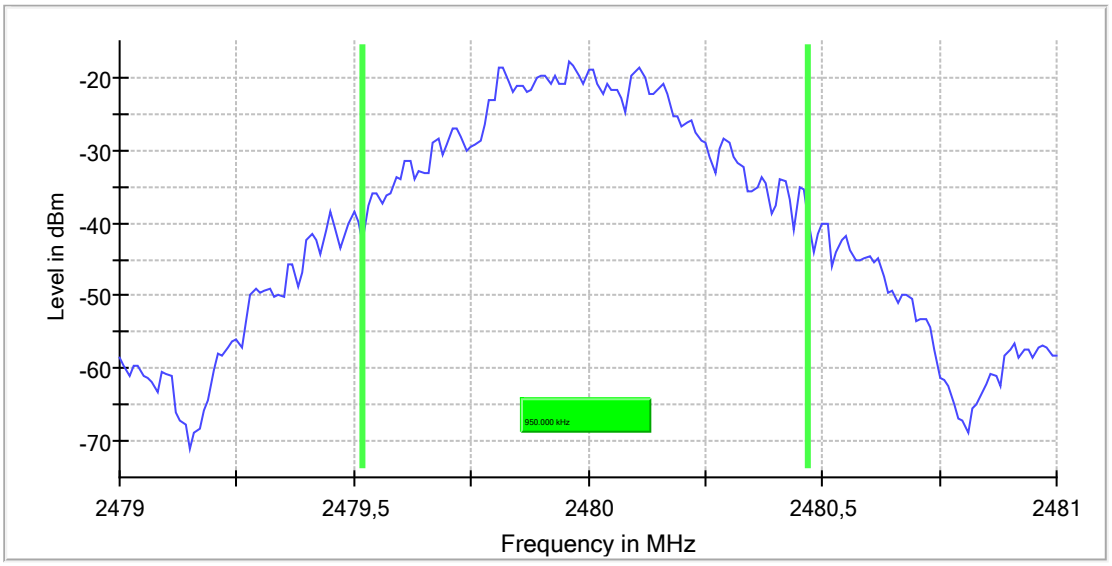
1.3.3. DH1 | GFSK 1Mbps | Middle Channel 78 (2480 MHz)

Emission Bandwidth 20 dB (2480 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2480.000000	0.950000	---	---	2479.520000	2480.470000	-17.9	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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

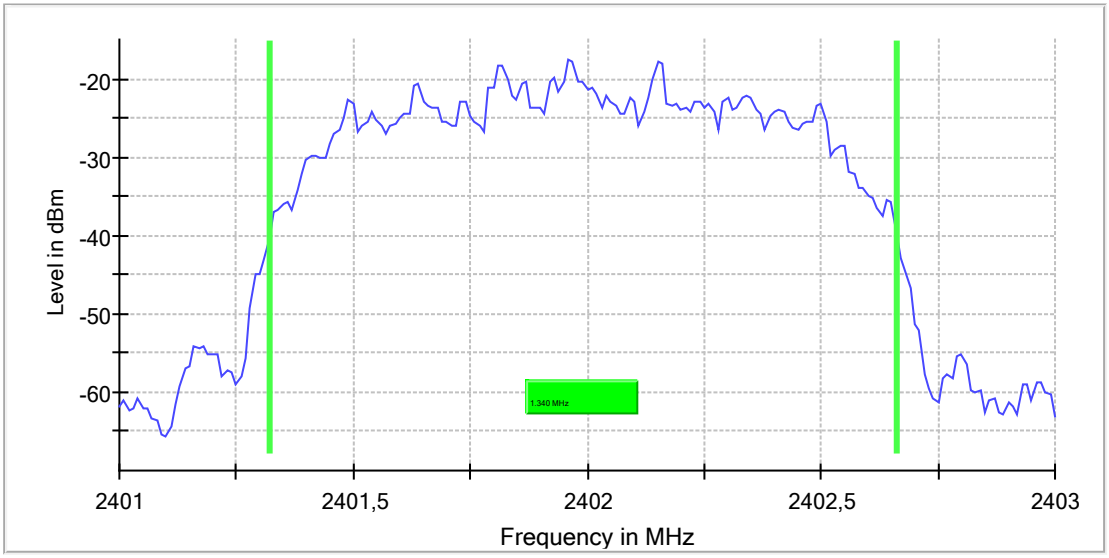
1.3.4. 2-DH5 | π/4-DQPSK 3Mbps | Ch 01 (2402 MHz)

Emission Bandwidth 20 dB (2402 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm	Result
2402.000000	1.340000	---	---	2401.320000	2402.660000	-17.5	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.14 dB	0.50 dB

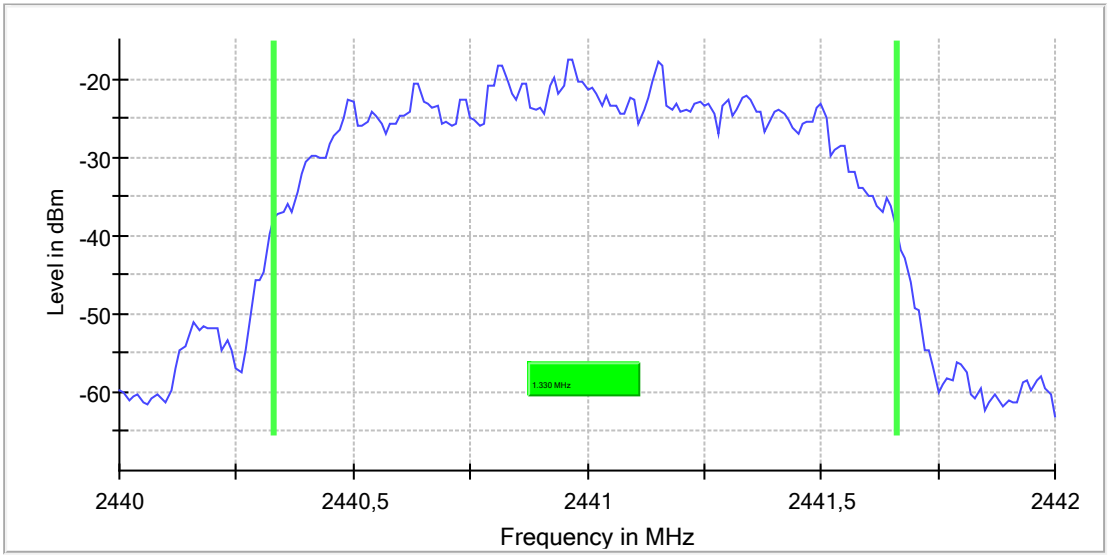
1.3.5. 2-DH5 | π/4-DQPSK 3Mbps | Ch 39 (2441 MHz)

Emission Bandwidth 20 dB (2441 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result	Result
2441.000000	1.330000	---	---	2440.330000	2441.660000	-17.5	PASS	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.06 dB	0.50 dB

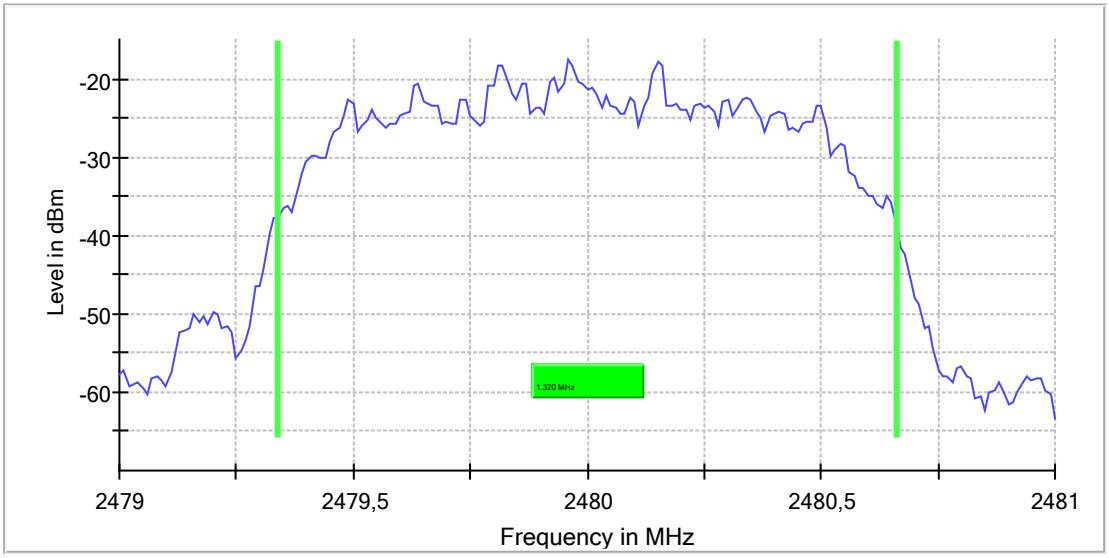
1.3.6. 2-DH5 | π/4-DQPSK 3Mbps | Ch (2462 MHz)

Emission Bandwidth 20 dB (2480 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2480.000000	1.320000	---	---	2479.340000	2480.660000	-17.5	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.14 dB	0.50 dB

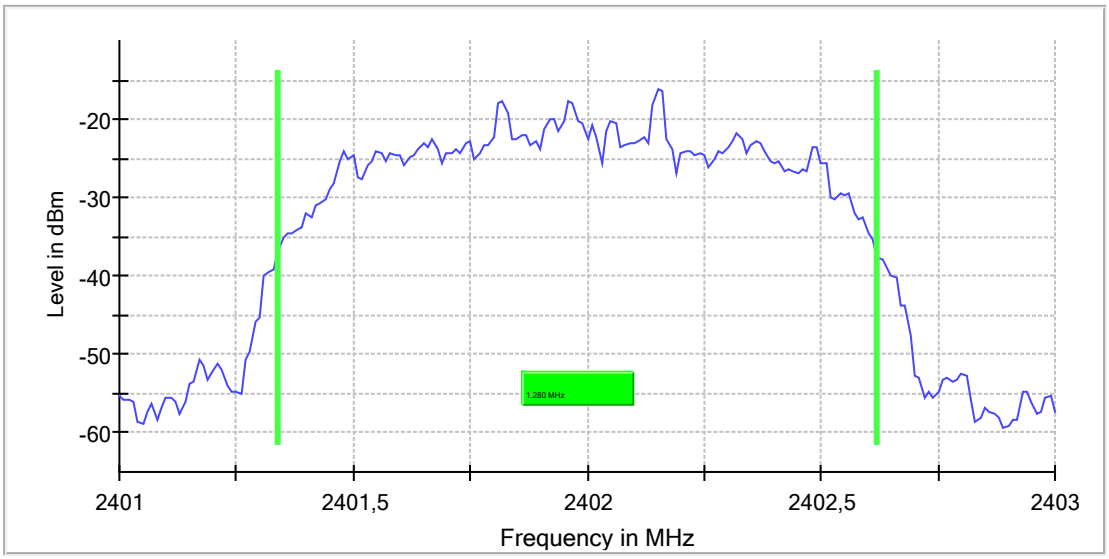
1.3.7. 3-DH3 | 8-DQPSK 3Mbps | Ch 01 (2402 MHz)

Emission Bandwidth 20 dB (2402 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2402.000000	1.280000	---	---	2401.340000	2402.620000	-16.1	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	9 / max. 150	max. 150
Stable	5 / 5	5
Max Stable Difference	0.06 dB	0.50 dB

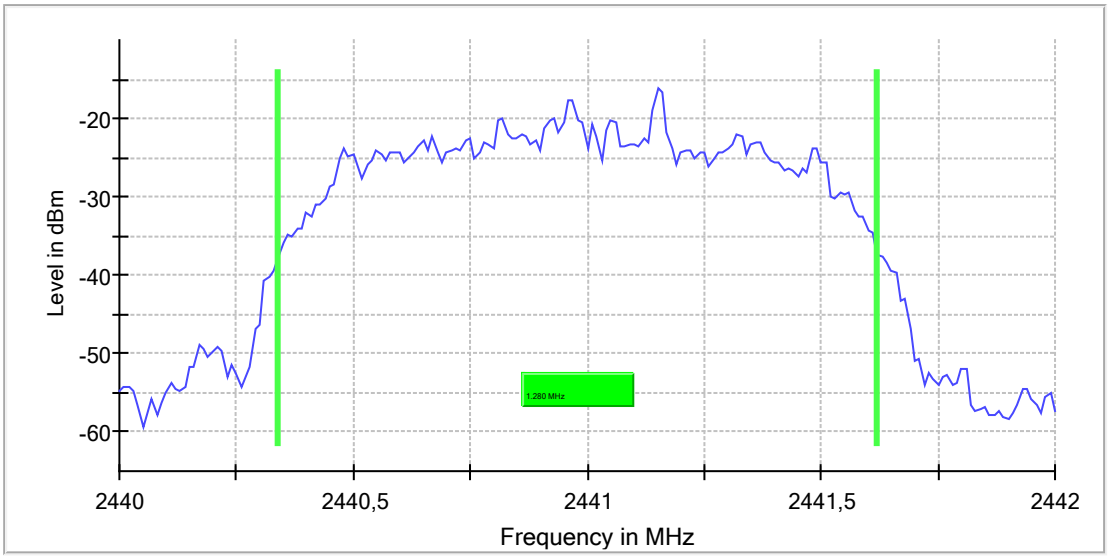
1.3.8. 3-DH3 | 8-DQPSK 3Mbps | Ch 39 (2441 MHz)

Emission Bandwidth 20 dB (2441 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2441.000000	1.280000	---	---	2440.340000	2441.620000	-16.1	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.11 dB	0.50 dB

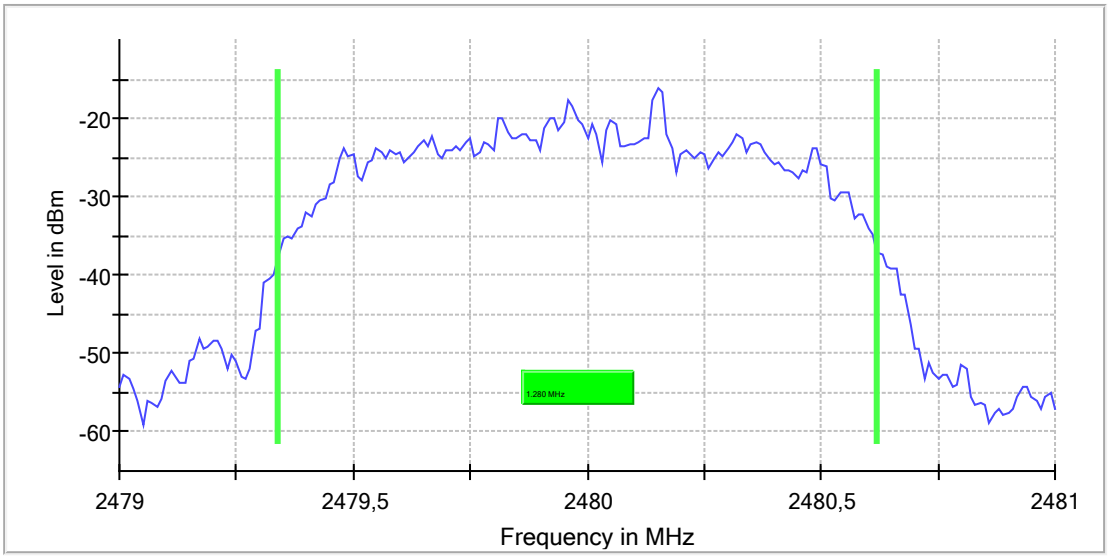
1.3.9. 3-DH3 | 8-DQPSK 3Mbps | Ch 78 (2480 MHz)

Emission Bandwidth 20 dB (2480 MHz; 2,000 dBm; 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)	Result
2480.000000	1.280000	---	---	2479.340000	2480.620000	-16.2	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	201	~ 200
Sweeptime	80.000 ms	AUTO
Reference Level	-20.000 dBm	-20.000 dBm
Attenuation	5.000 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	0.03 dB	0.50 dB

1.4. Carrier Frequency Separation (Hopping)

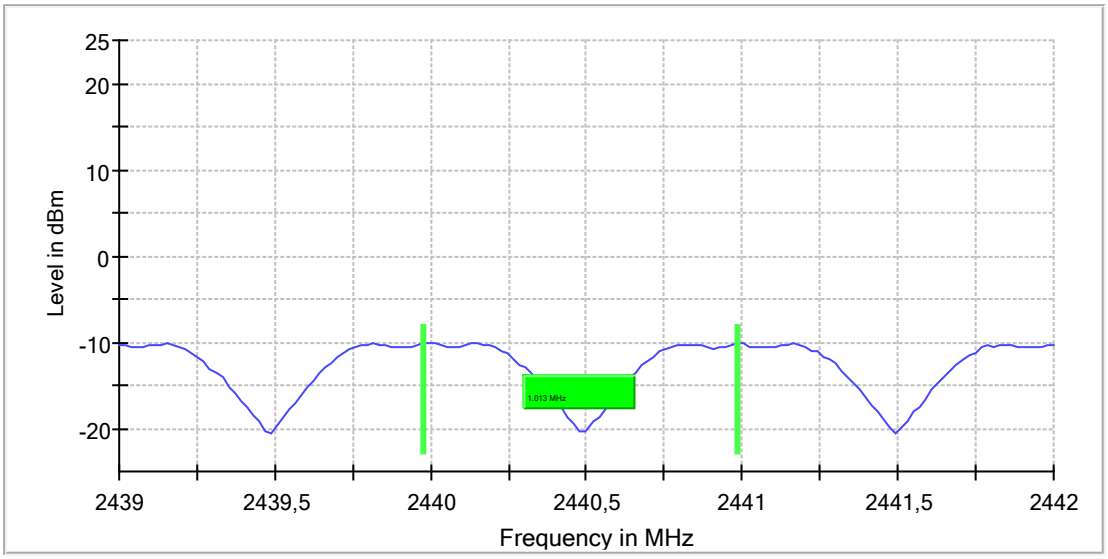
1.4.1. DH1 | GFSK 1Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Carrier Frequency Separation (2440 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2440.000000	1.012987	0.666667	---	2439.974026	2440.987013	PASS



Measurement

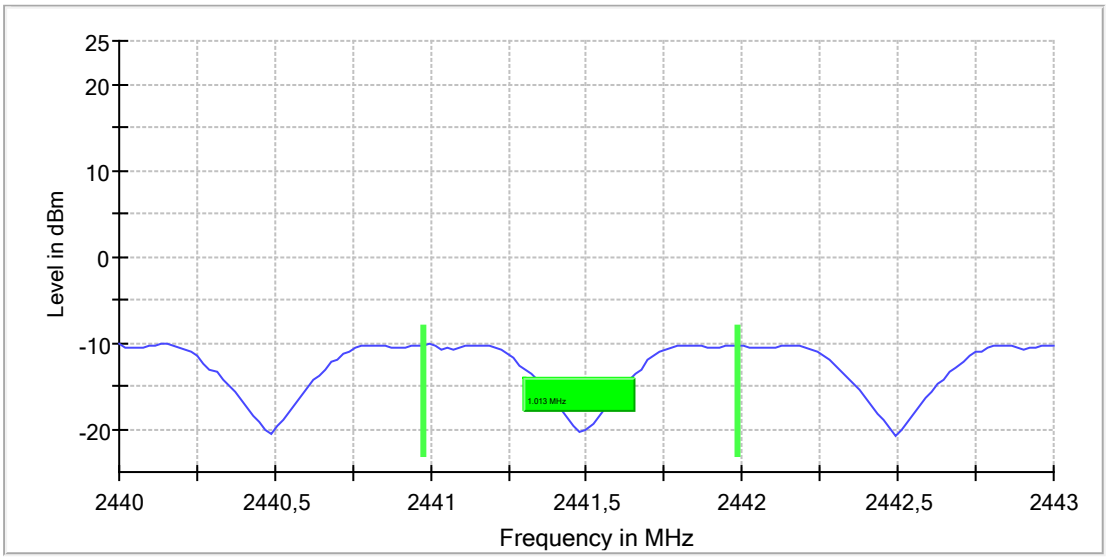
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	14 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2441.000000	1.012987	0.666667	---	2440.974026	2441.987013	PASS



Measurement

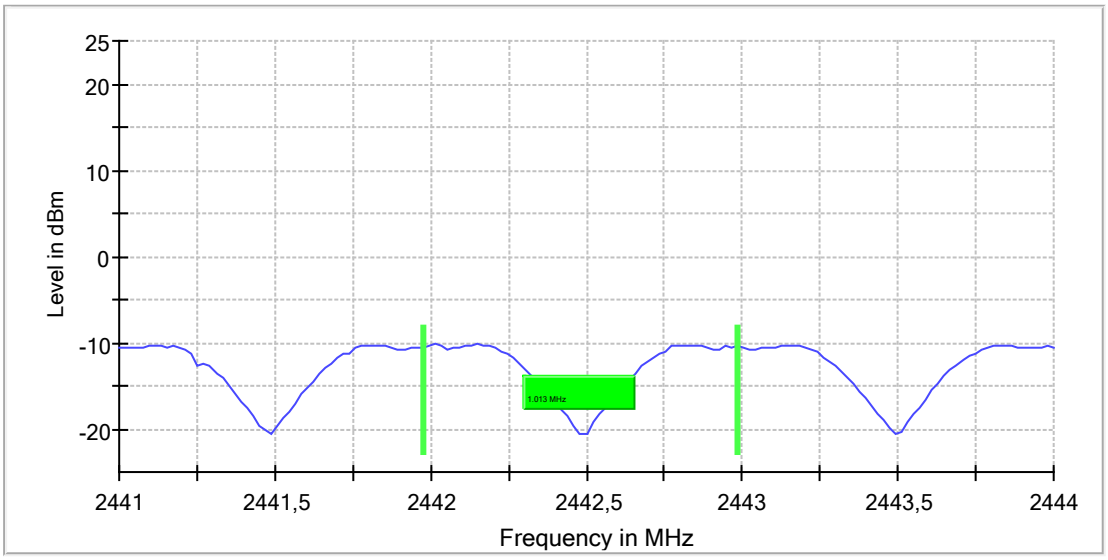
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	14 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2442 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2442.000000	1.012987	0.666667	---	2441.974026	2442.987013	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44100 GHz	2.44100 GHz
Stop Frequency	2.44400 GHz	2.44400 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	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	15 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

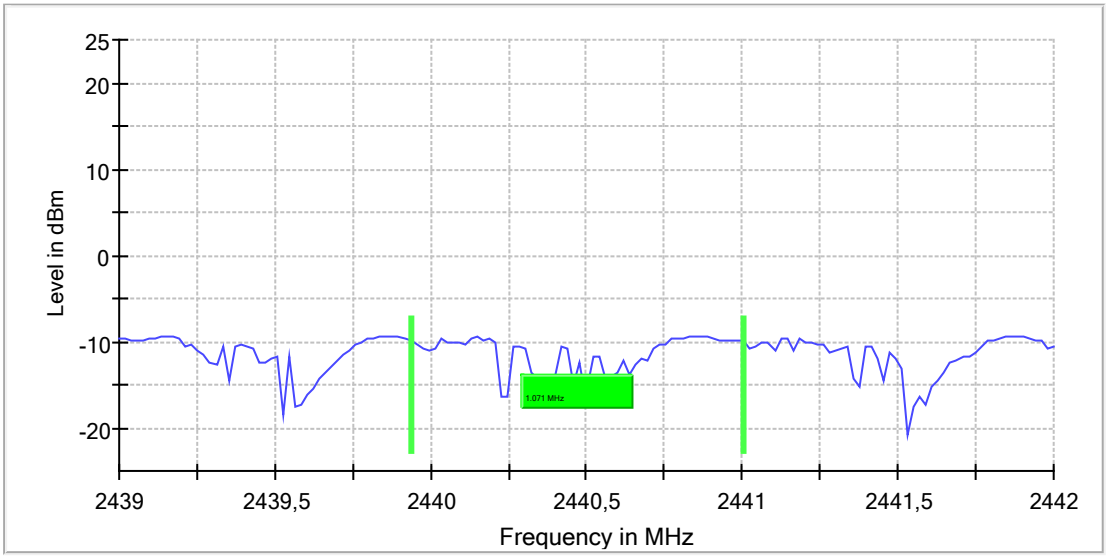
1.4.2. 2-DH5 | π/4-DQPSK 3Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Carrier Frequency Separation (2440 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2440.000000	1.071429	0.666667	---	2439.935065	2441.006494	PASS



Measurement

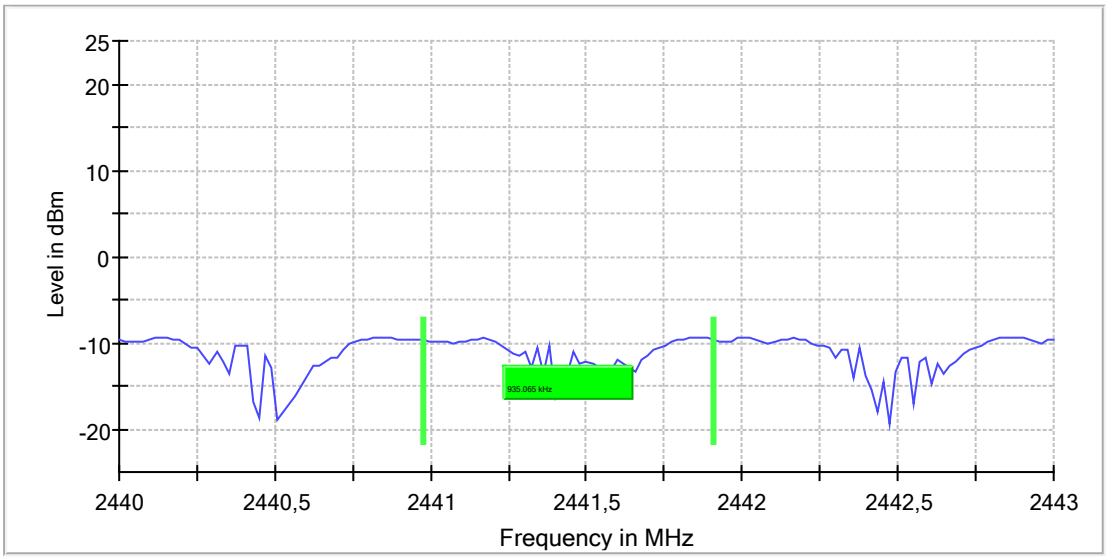
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	24 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2441.000000	0.935065	0.666667	---	2440.974026	2441.909091	PASS



Measurement

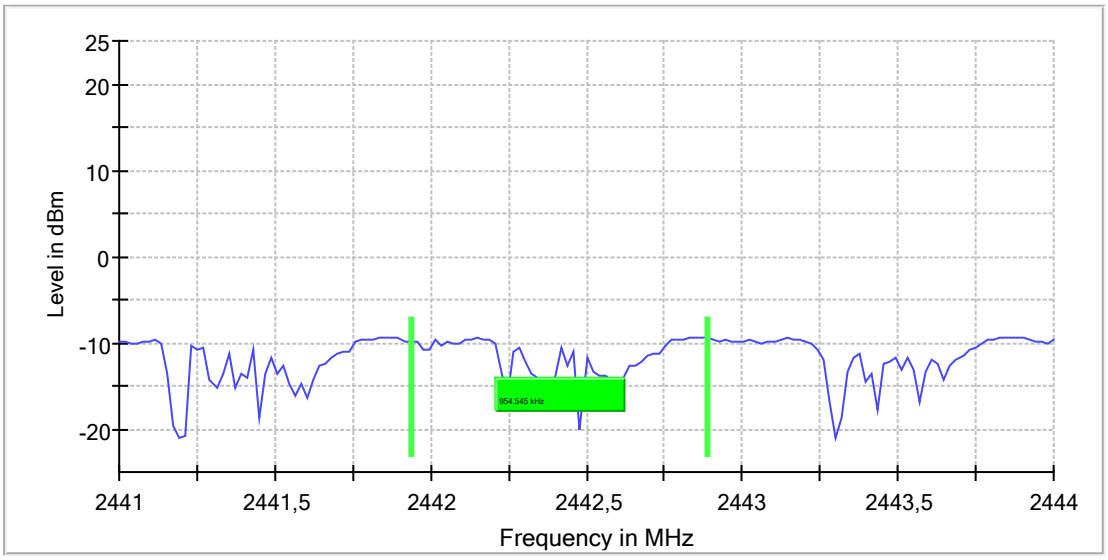
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	30 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2442 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2442.000000	0.954545	0.666667	---	2441.935065	2442.889610	PASS



Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44100 GHz	2.44100 GHz
Stop Frequency	2.44400 GHz	2.44400 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	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	18 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

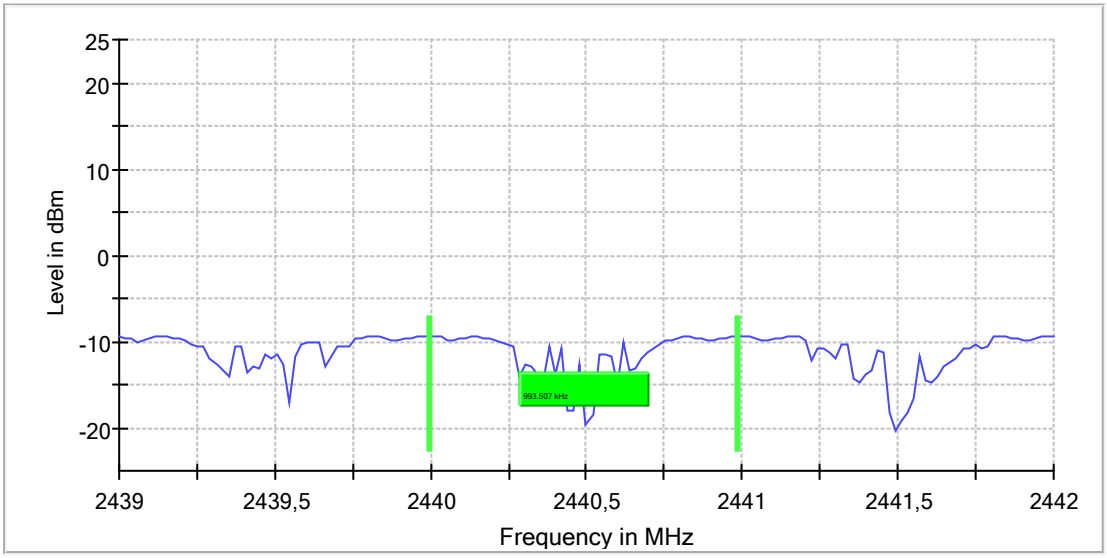
1.4.3. 3-DH 31 | 8-DQPSK 3Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Carrier Frequency Separation (2440 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2440.000000	0.993507	0.666667	---	2439.993506	2440.987013	PASS



Measurement

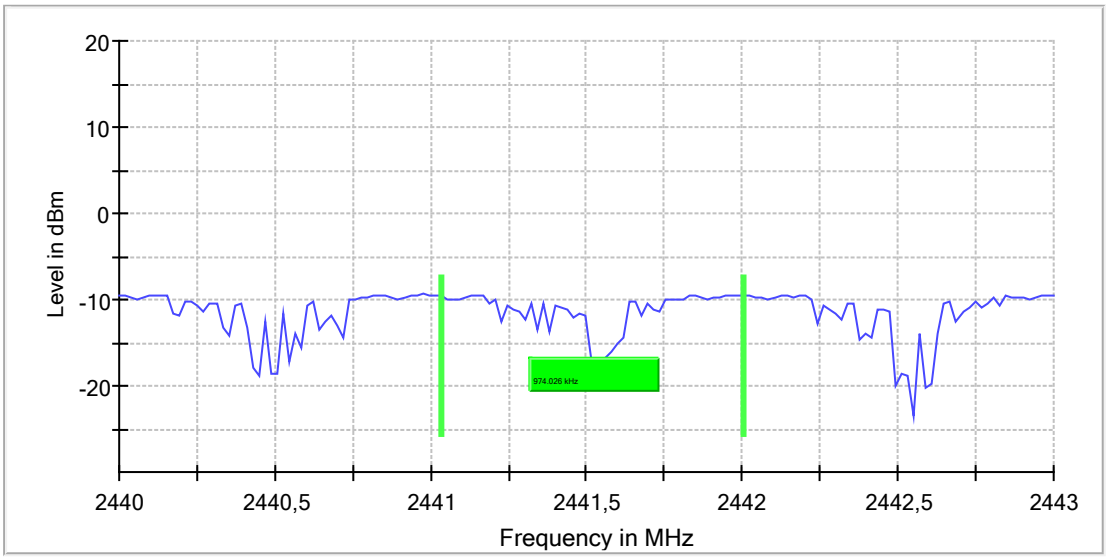
Setting	Instrument Value	Target Value
Start Frequency	2.43900 GHz	2.43900 GHz
Stop Frequency	2.44200 GHz	2.44200 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	25 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2441.000000	0.974026	0.666667	---	2441.032468	2442.006494	PASS



Measurement

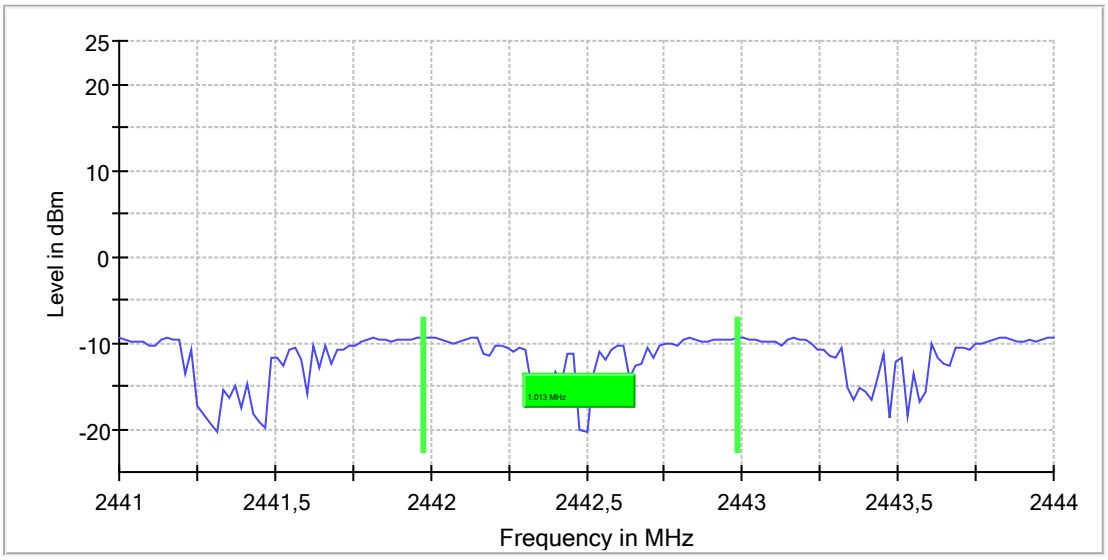
Setting	Instrument Value	Target Value
Start Frequency	2.44000 GHz	2.44000 GHz
Stop Frequency	2.44300 GHz	2.44300 GHz
Span	3.000 MHz	3.000 MHz
RBW	300.000 kHz	<= 300.000 kHz
VBW	300.000 kHz	>= 300.000 kHz
SweepPoints	155	~ 10
Sweeptime	2.500 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	17 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

Carrier Frequency Separation (2442 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

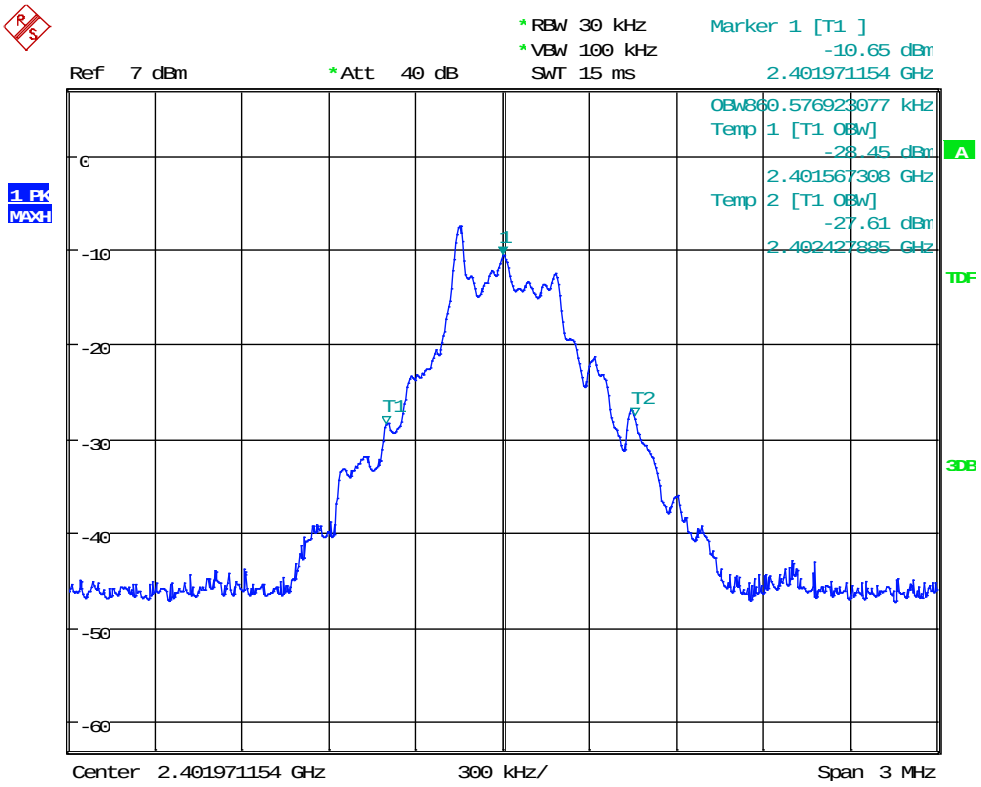
DUT Frequency (MHz)	Frequency Separation (MHz)	Limit Min (MHz)	Limit Max (MHz)	Center Frequency low Channel (MHz)	Center Frequency high Channel (MHz)	Result
2442.000000	1.012987	0.666667	---	2441.974026	2442.987013	PASS



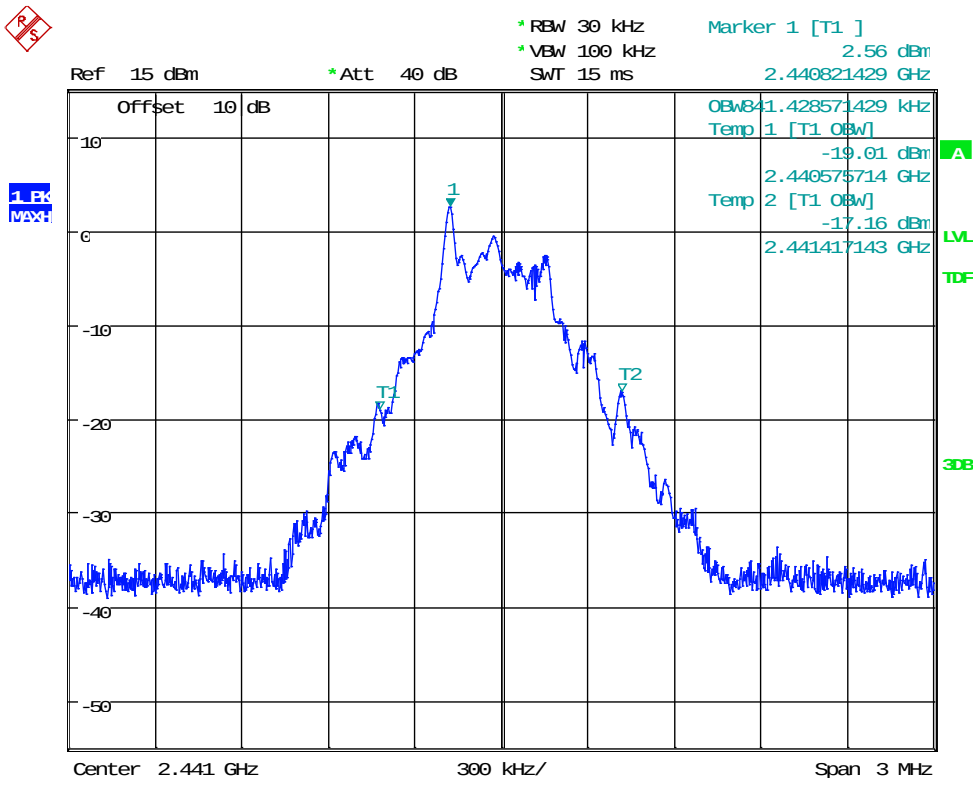
Measurement

Setting	Instrument Value	Target Value
Start Frequency	2.44100 GHz	2.44100 GHz
Stop Frequency	2.44400 GHz	2.44400 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	0.000 dBm	0.000 dBm
Attenuation	25.000 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	0.30 dB	0.30 dB
Run	18 / max. 150	max. 150
Stable	10 / 10	10
Max Stable Difference	0.00 dB	0.30 dB

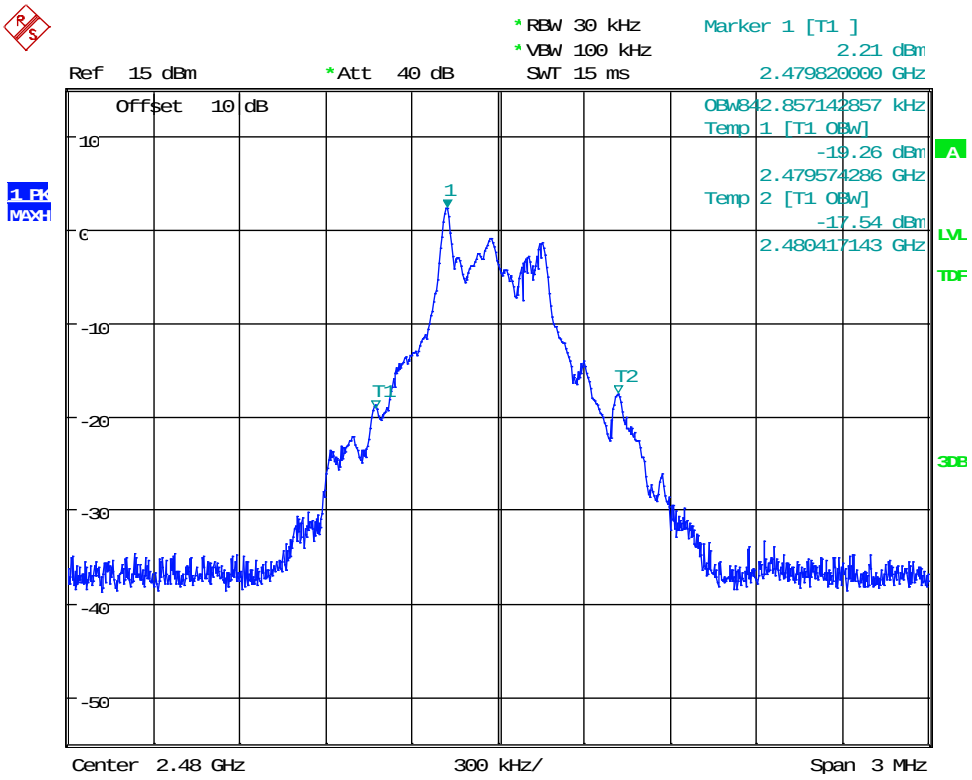
1.5. 99% Occupied Bandwidth



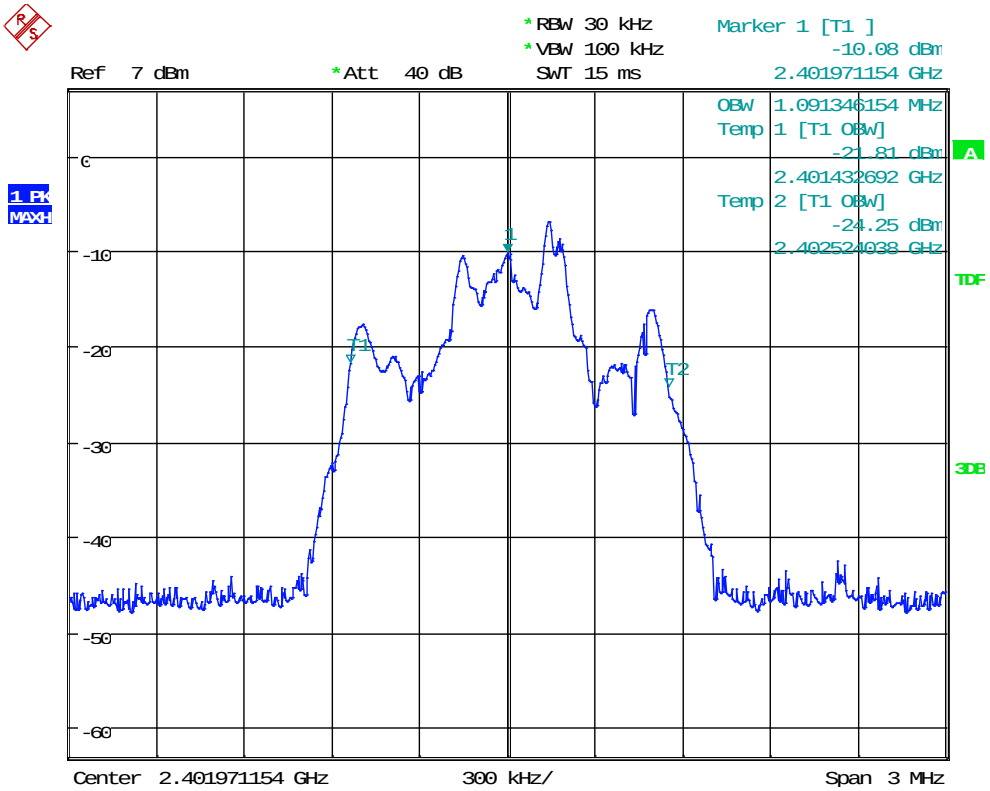
Plot 1: 99%BW_BT_DH1_ch00



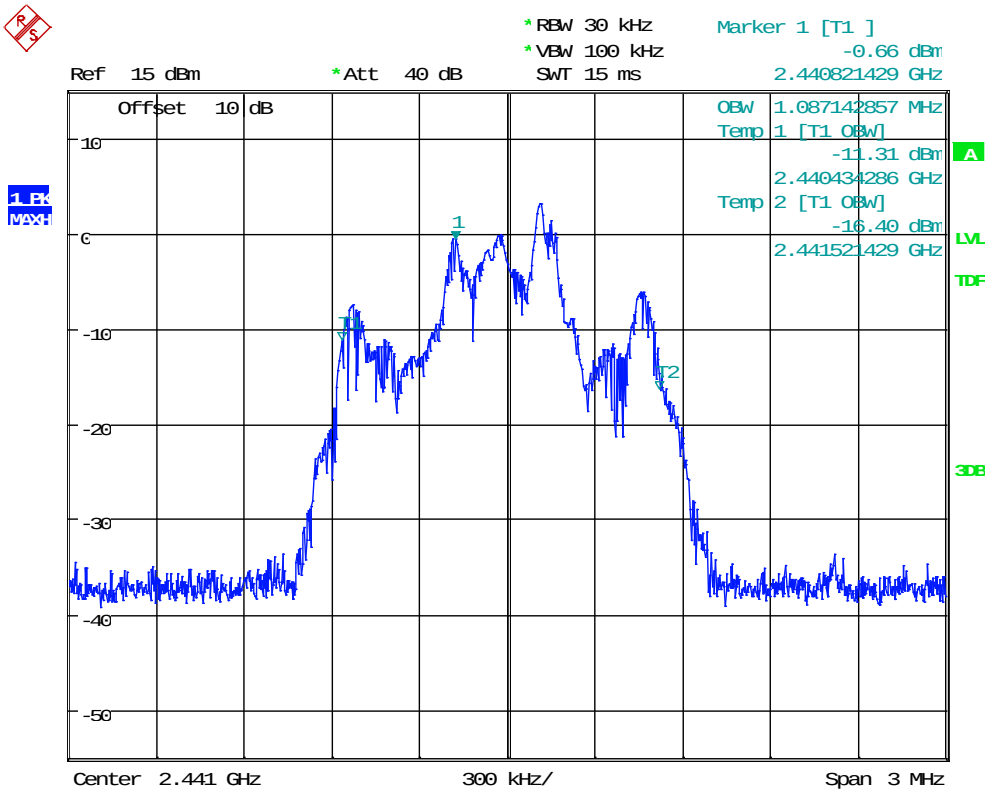
Plot 2: 99%BW_BT_DH1_ch39



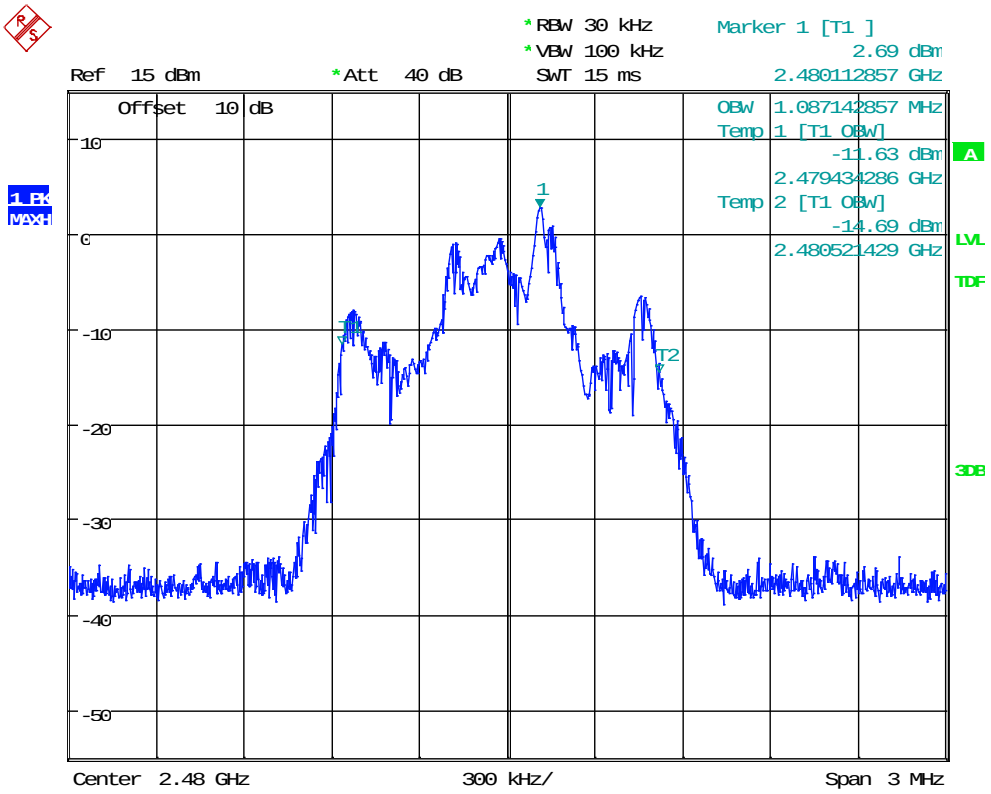
Plot 3: 99%BW_BT_DH1_ch78



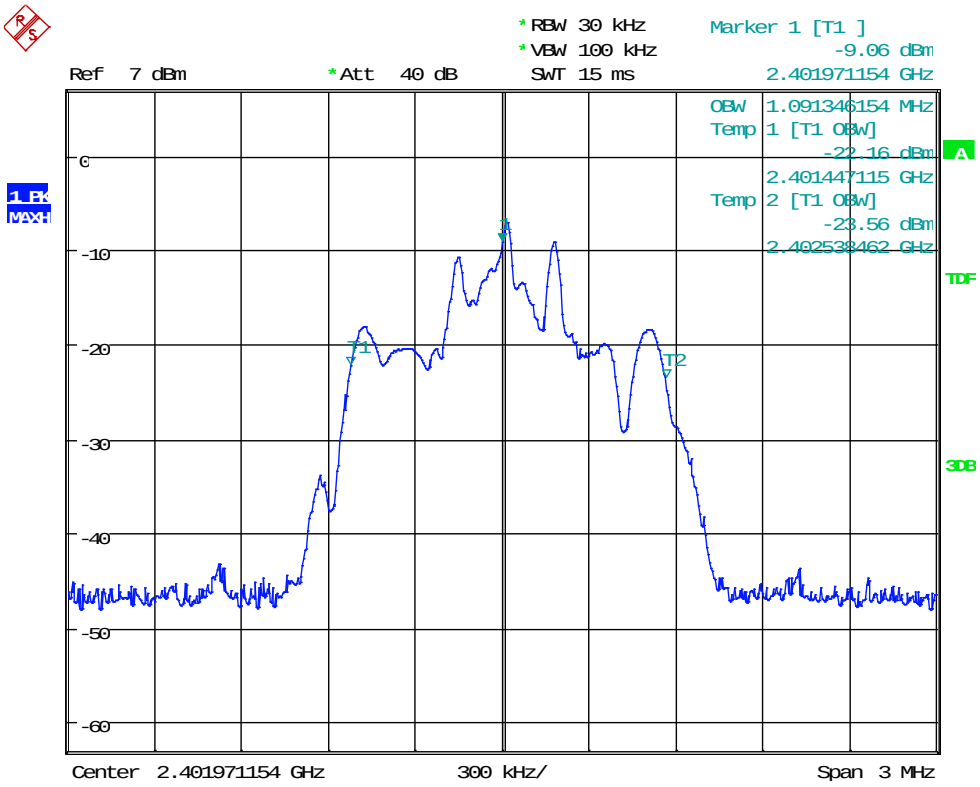
Plot 4: 99%BW_BT_2-DH5_ch00



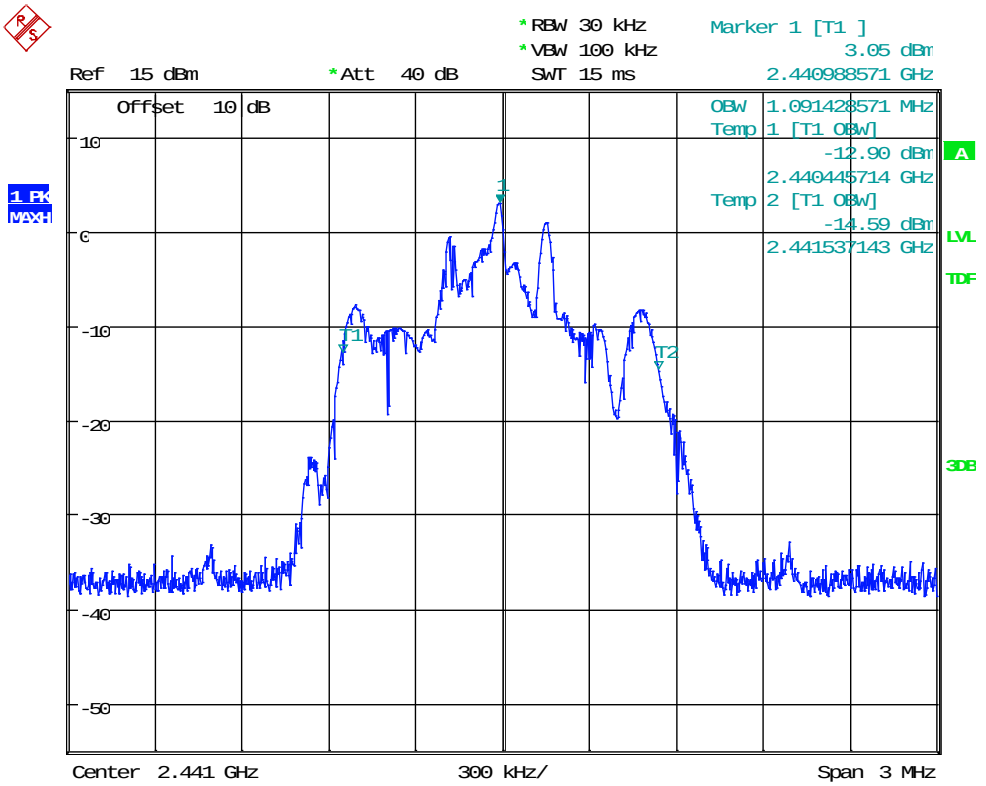
Plot 5: 99%BW_BT_2-DH5_ch39



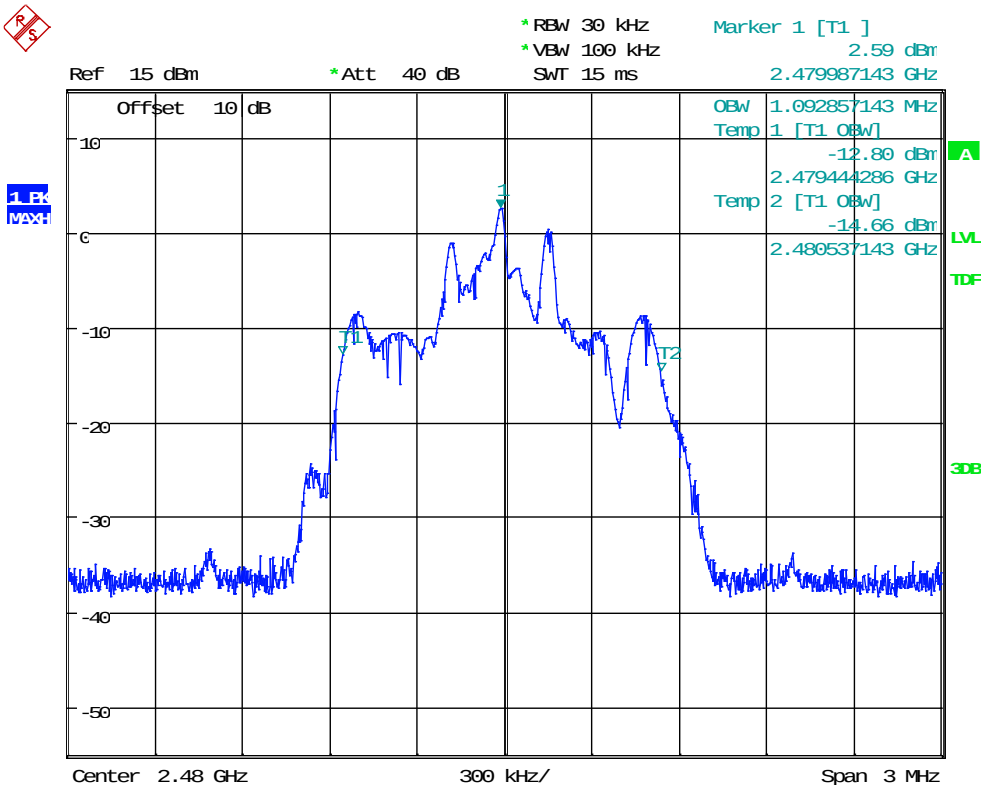
Plot 6: 99%BW_BT_2-DH5_ch78



Plot 7: 99%BW_BT_3-DH3_ch00

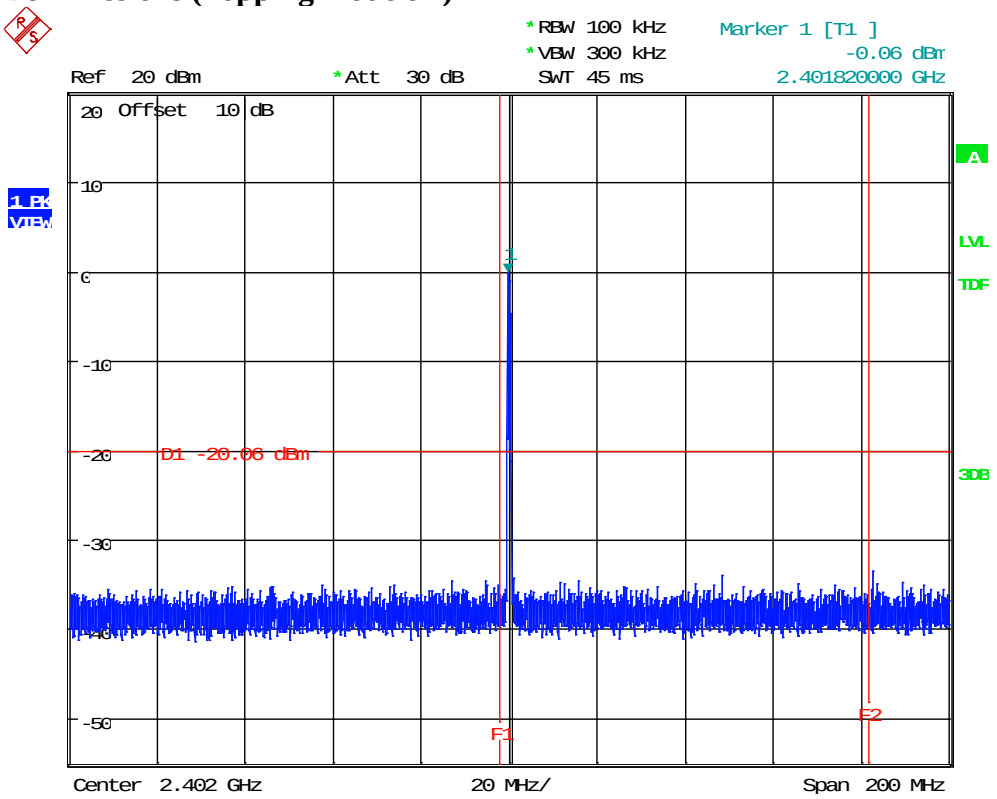


Plot 8: 99%BW_BT_3-DH3_ch39

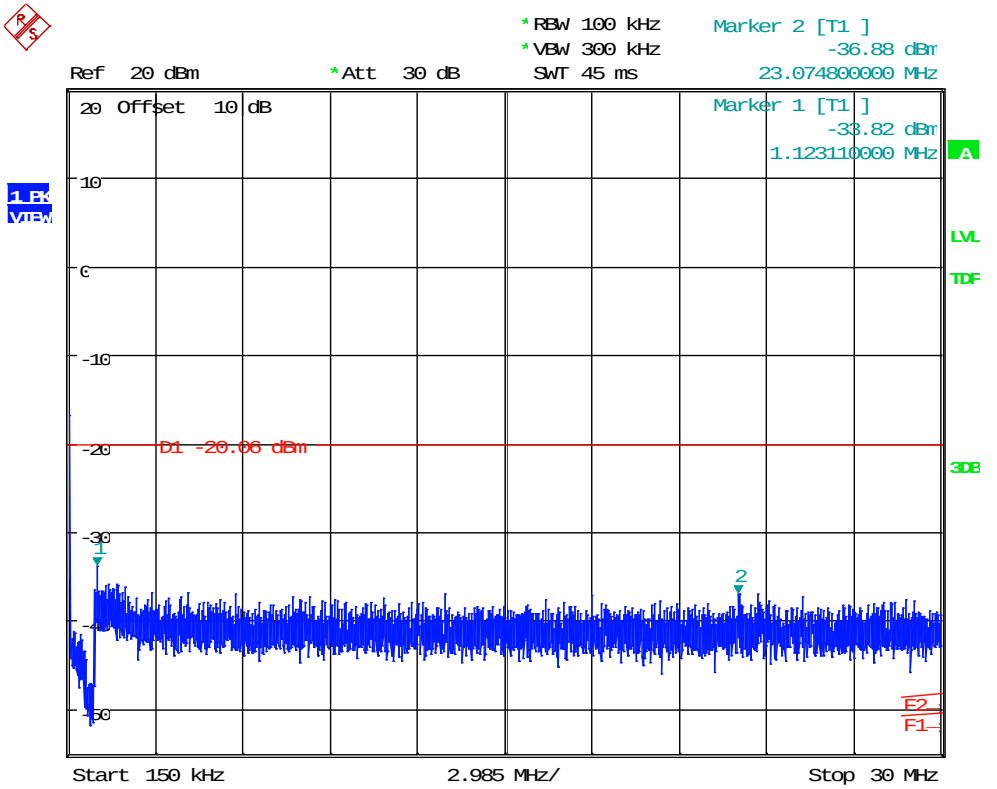


Plot 9: 99%BW_BT_3-DH3_ch78

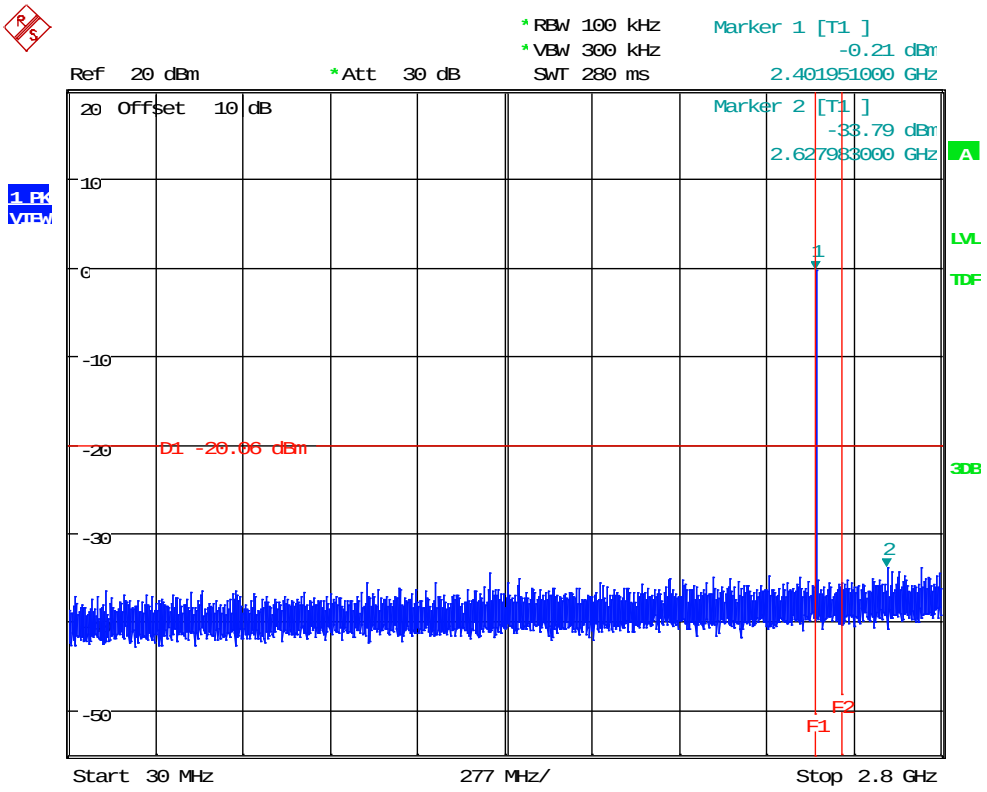
1.6. 20dBc Emissions (hopping mode off)



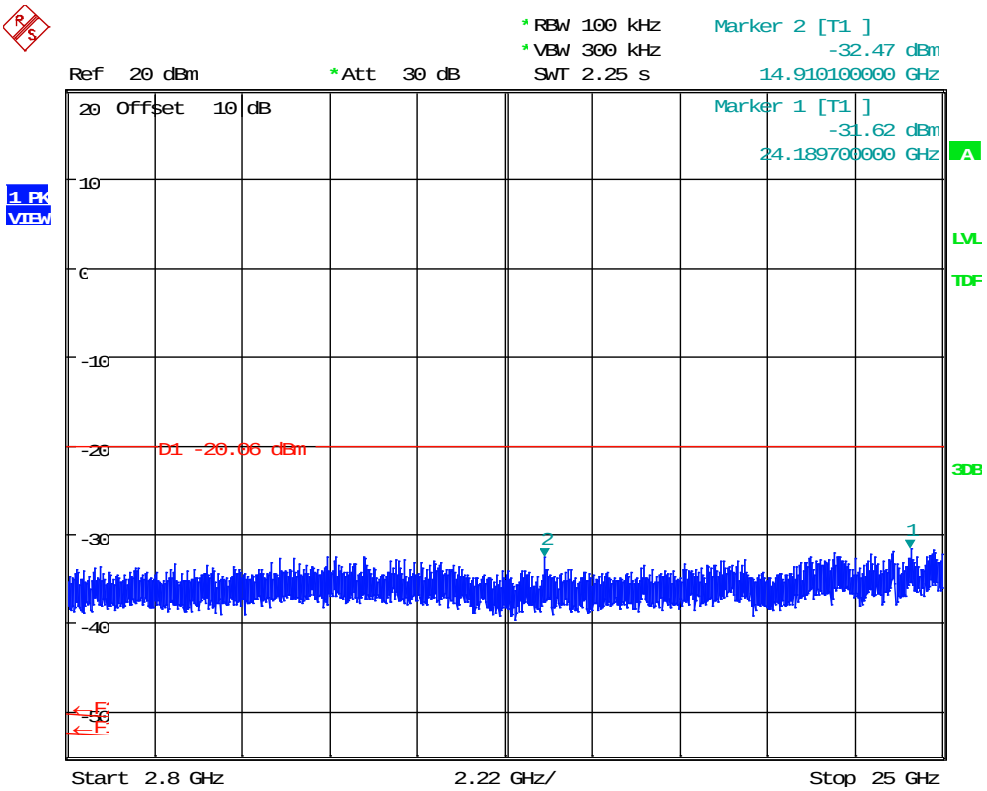
Plot 10: 20dBc Ref | DH1 | GFSK | Ch 0 (2402 MHz)



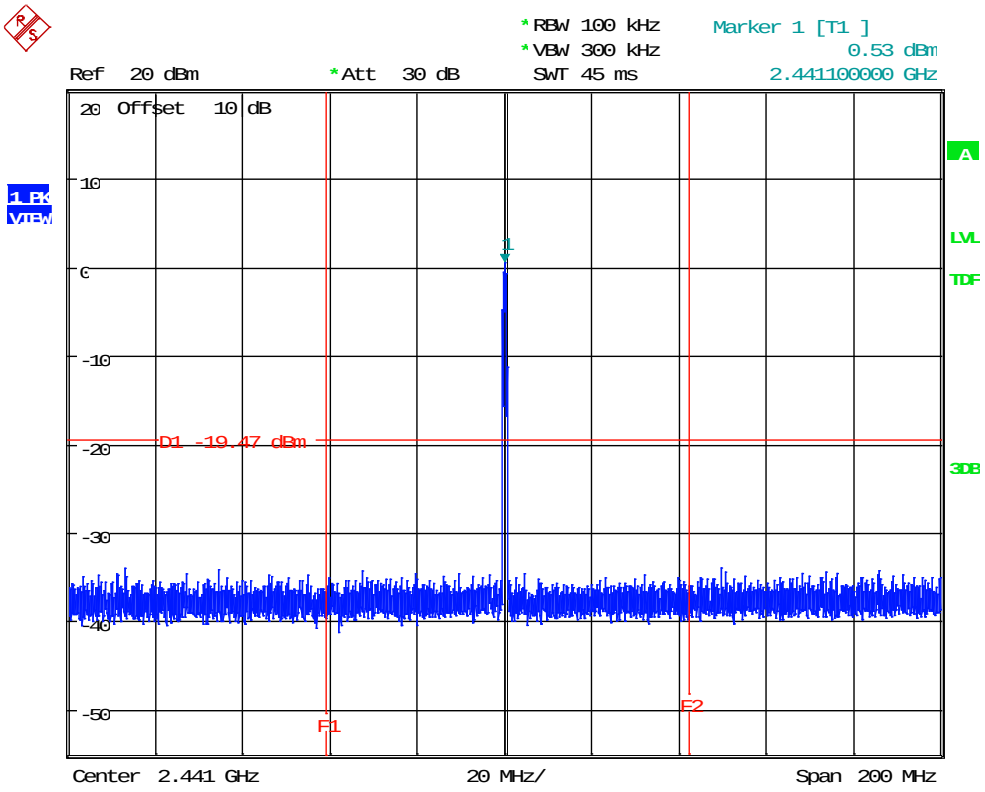
Plot 11: 20dBc | 0.15-30MHz || DH1 | GFSK | Ch 0 (2402 MHz)



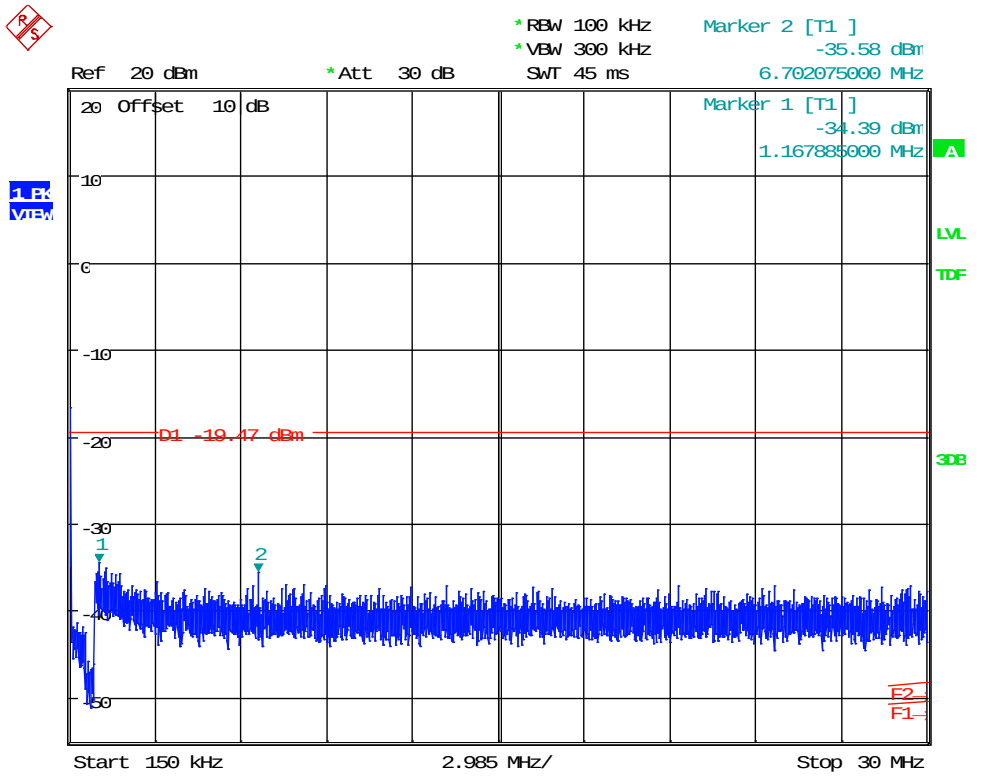
Plot 12: 20dBc | 30MHz-2.8GHz | | DH1 | GFSK | Ch 0 (2402 MHz)



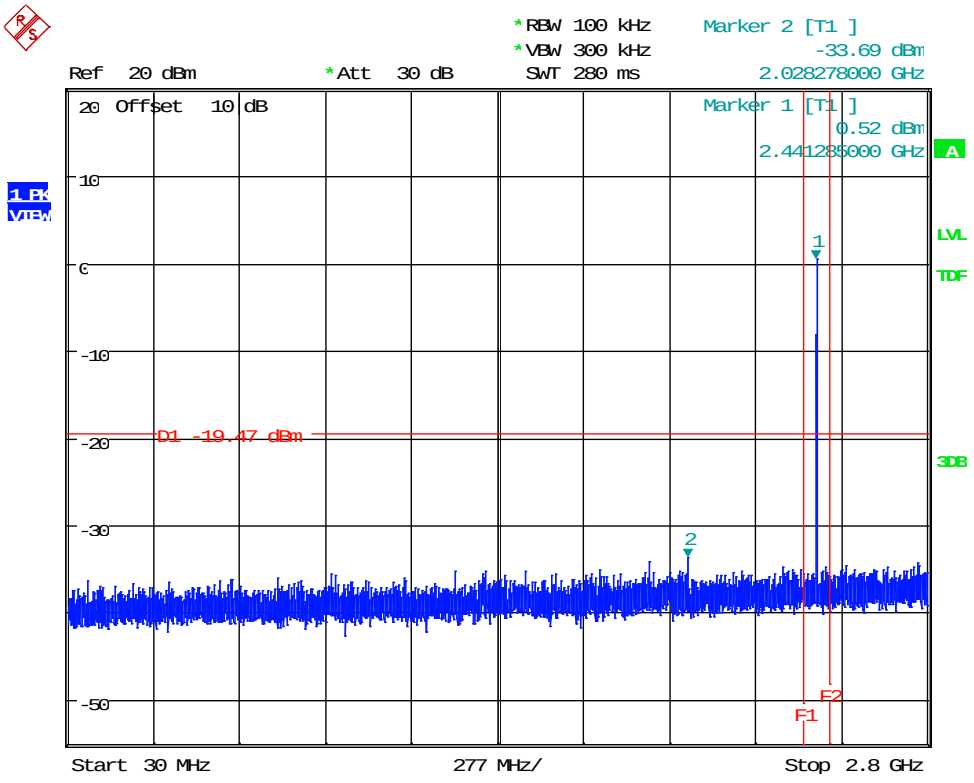
Plot 13: 20dBc | 2.8-25GHz | | DH1 | GFSK | Ch 0 (2402 MHz)



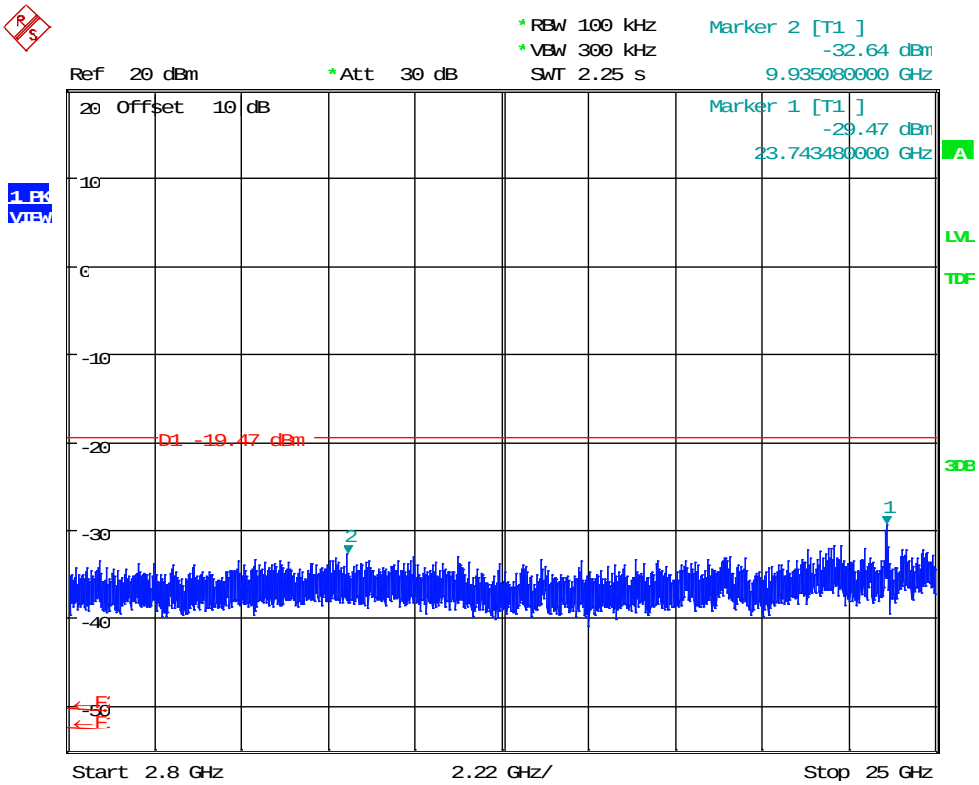
Plot 14: **20dBc Ref | 2-DH5 | pi/4 DQPSK | Ch 39 (2441 MHz)**



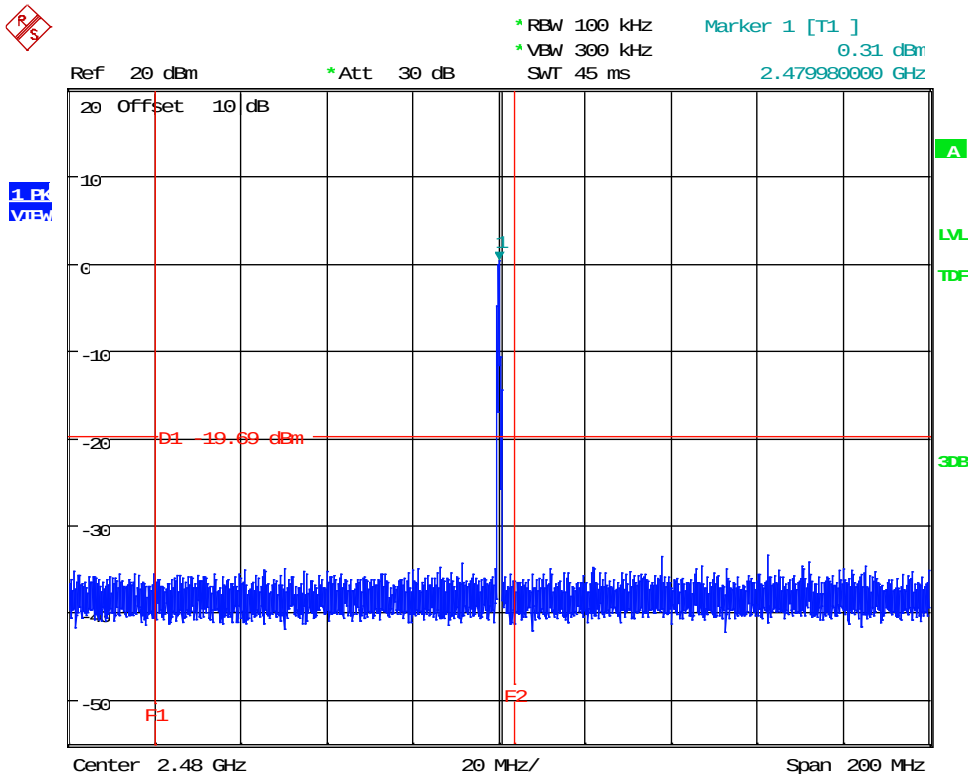
Plot 15: **20dBc | 0.15-30MHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2441 MHz)**



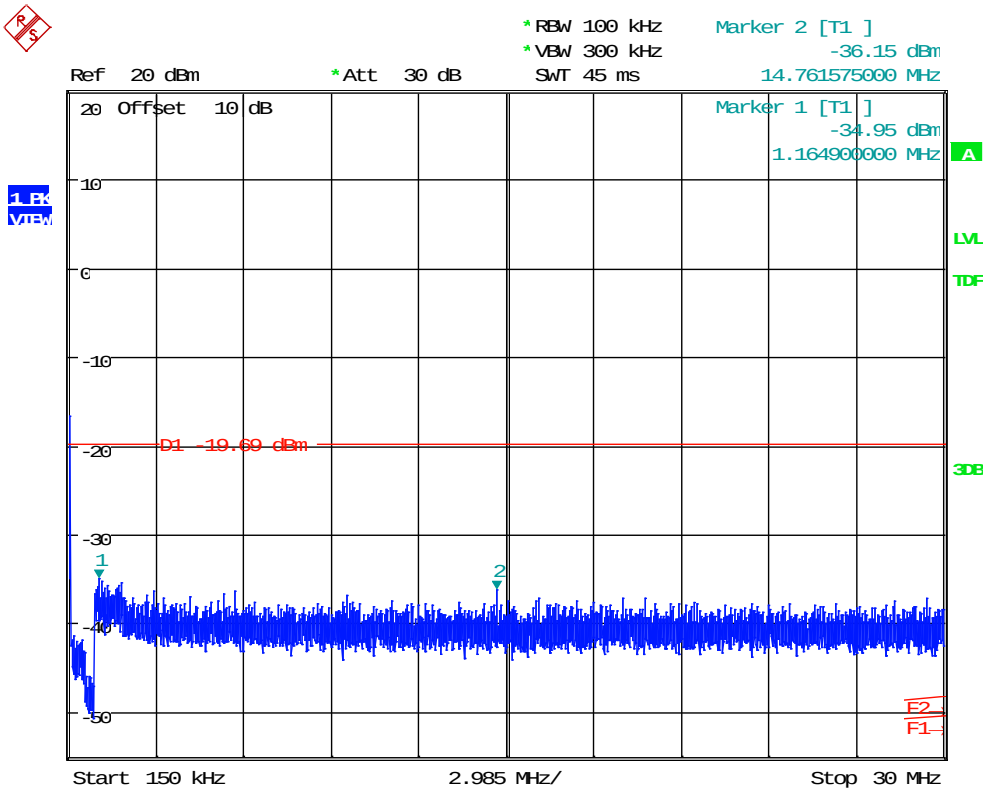
Plot 16: 20dBc | 30MHz-2.8GHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2441 MHz)



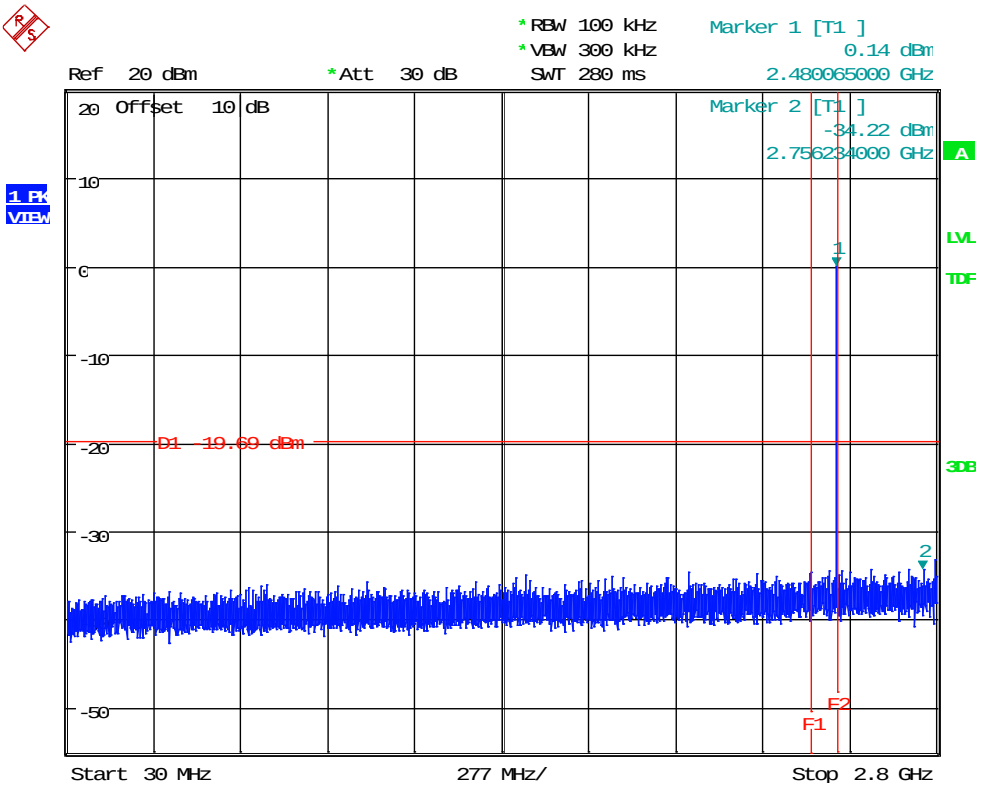
Plot 17: 20dBc | 2.8-25GHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2441 MHz)



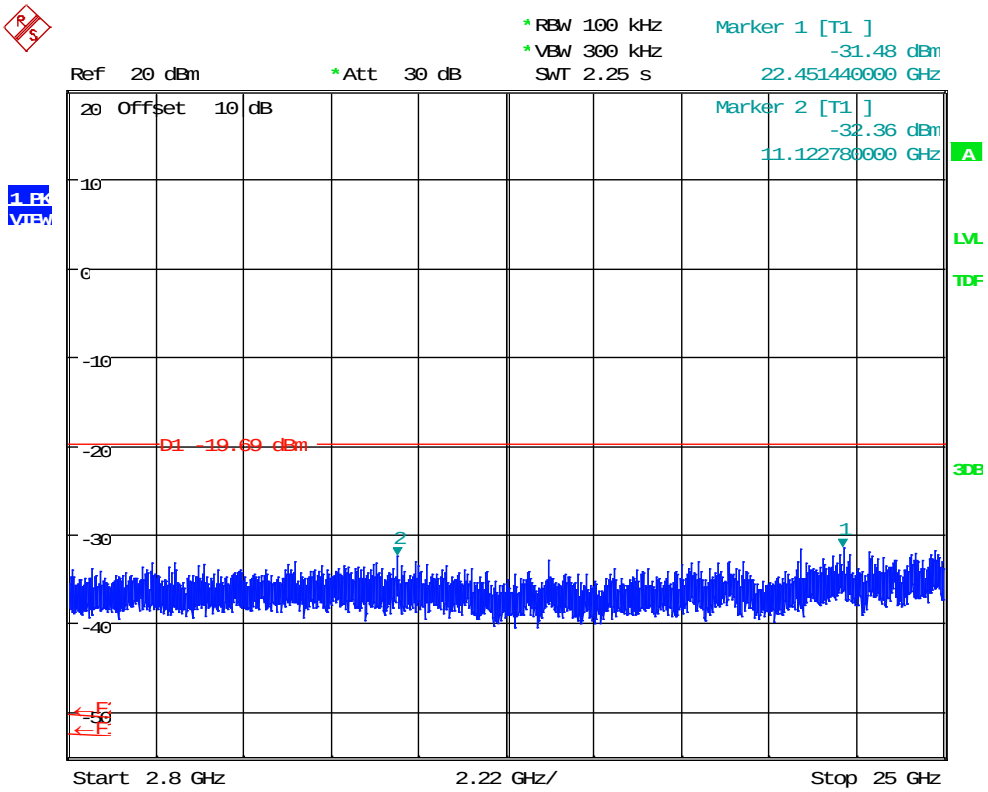
Plot 18: 20dBc Ref | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)



Plot 19: 20dBc | 0.15-30MHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)

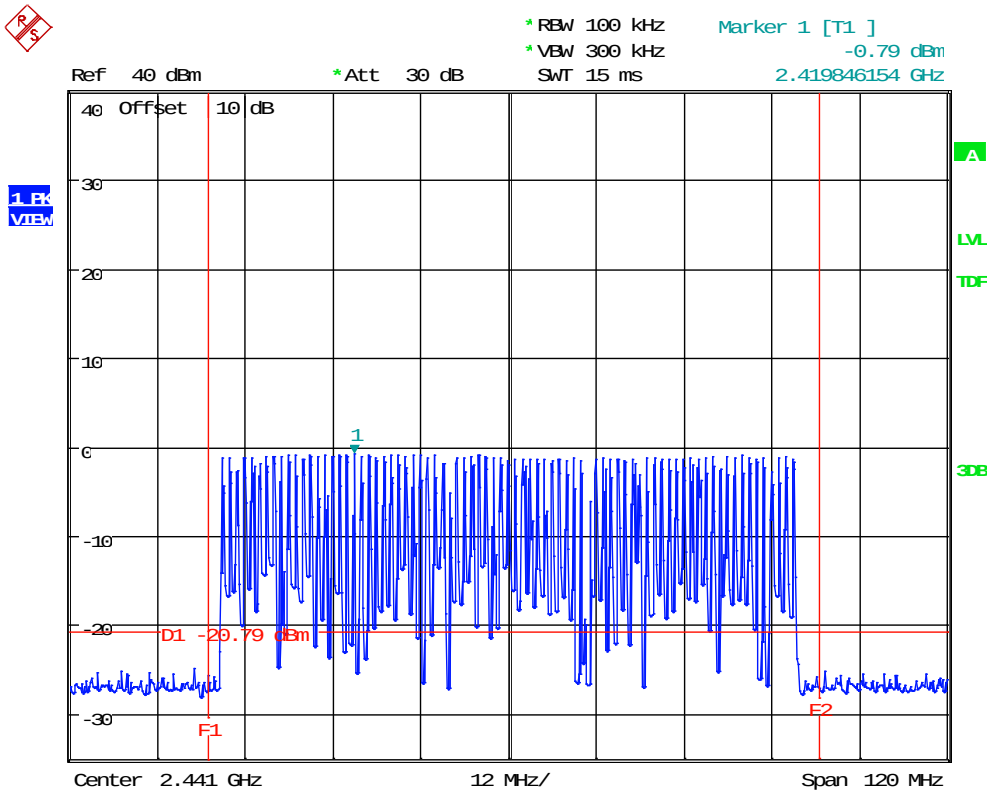


Plot 20: 20dBc | 30MHz-2.8GHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)

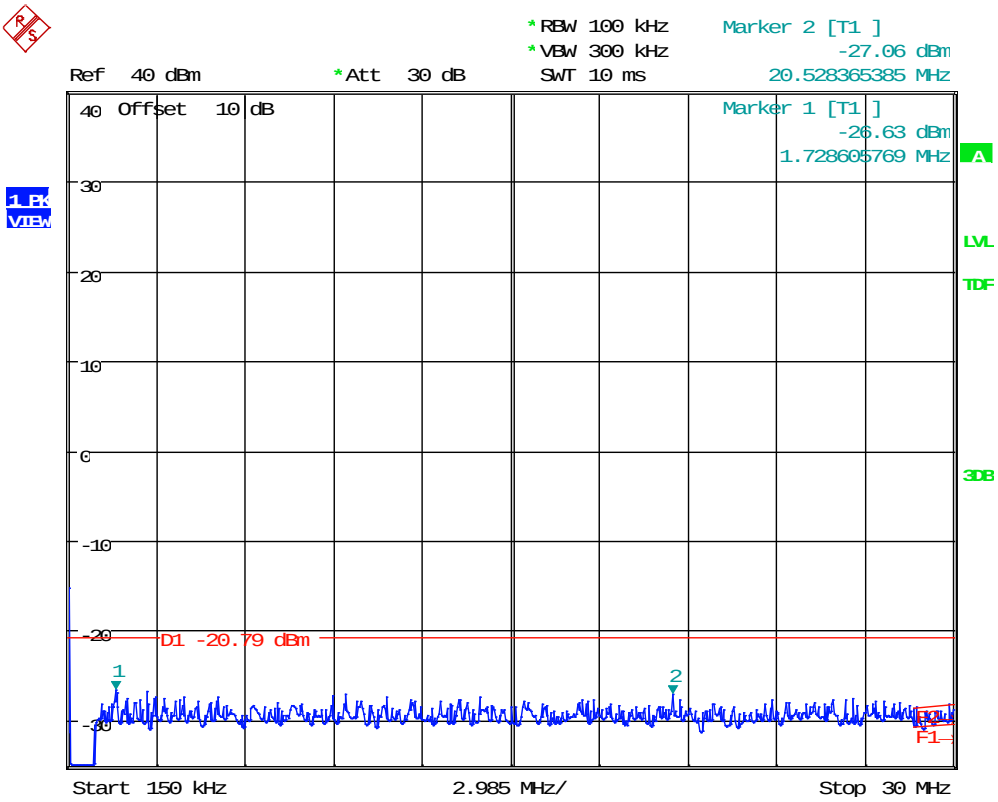


Plot 21: 20dBc | 2.8-25GHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)

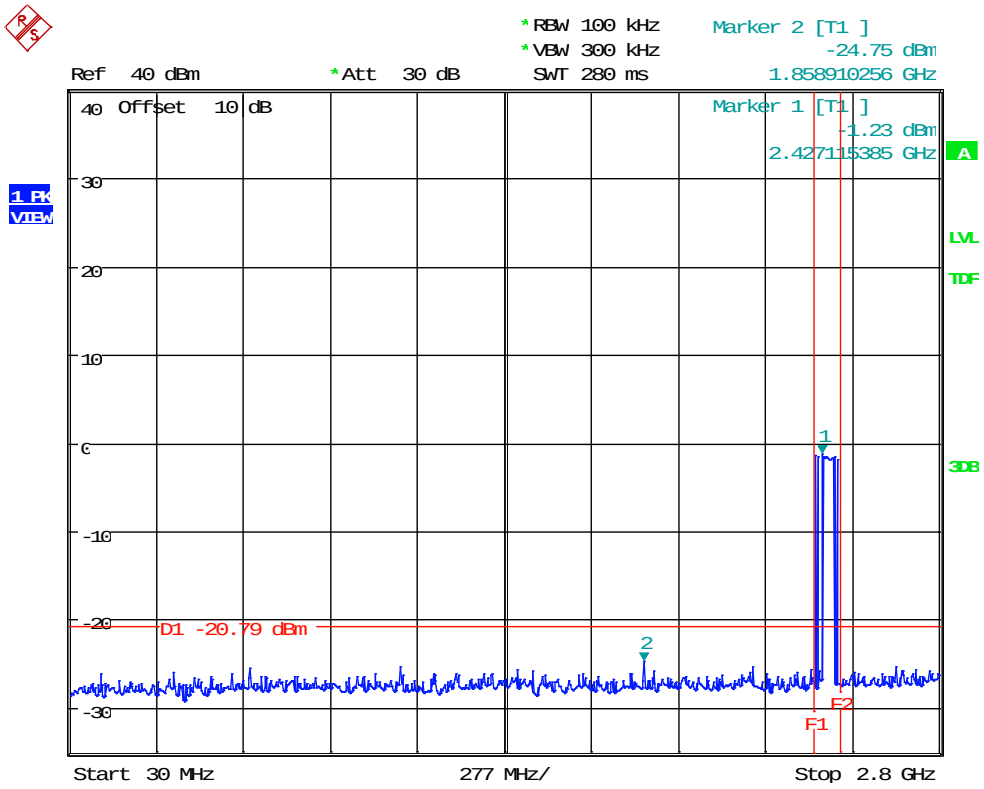
1.7. 20 dBc Emissions (hopping mode off)



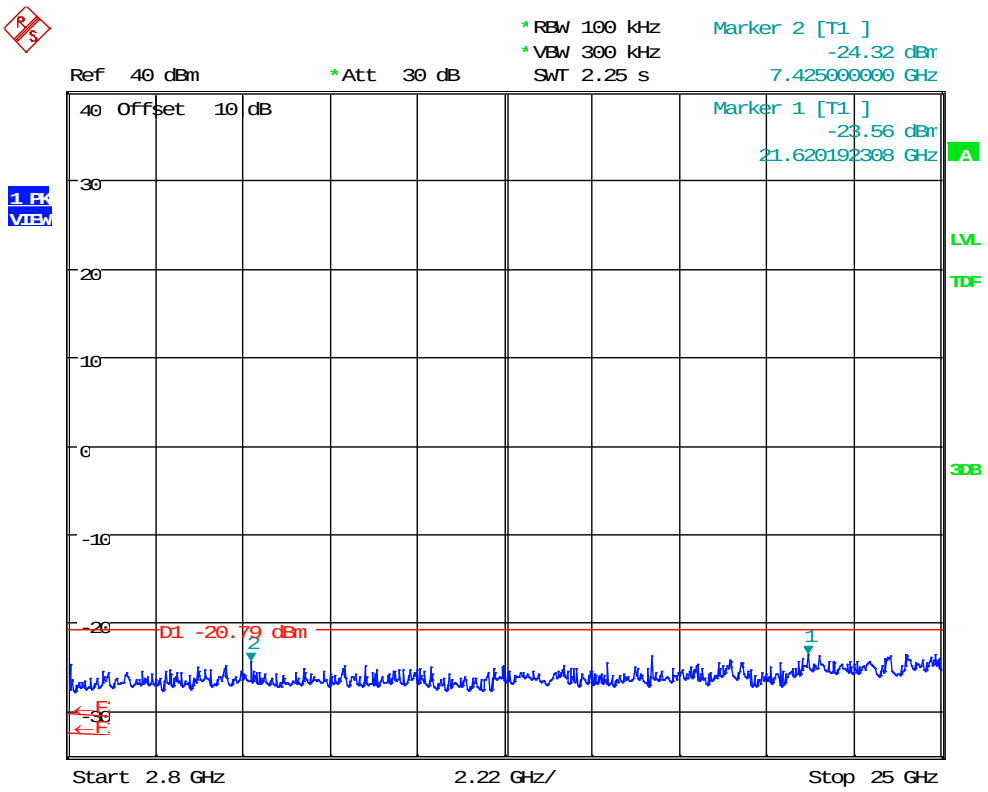
Plot 22: 20dBc Ref | DH1 | GFSK | Ch 0 (2402 MHz)



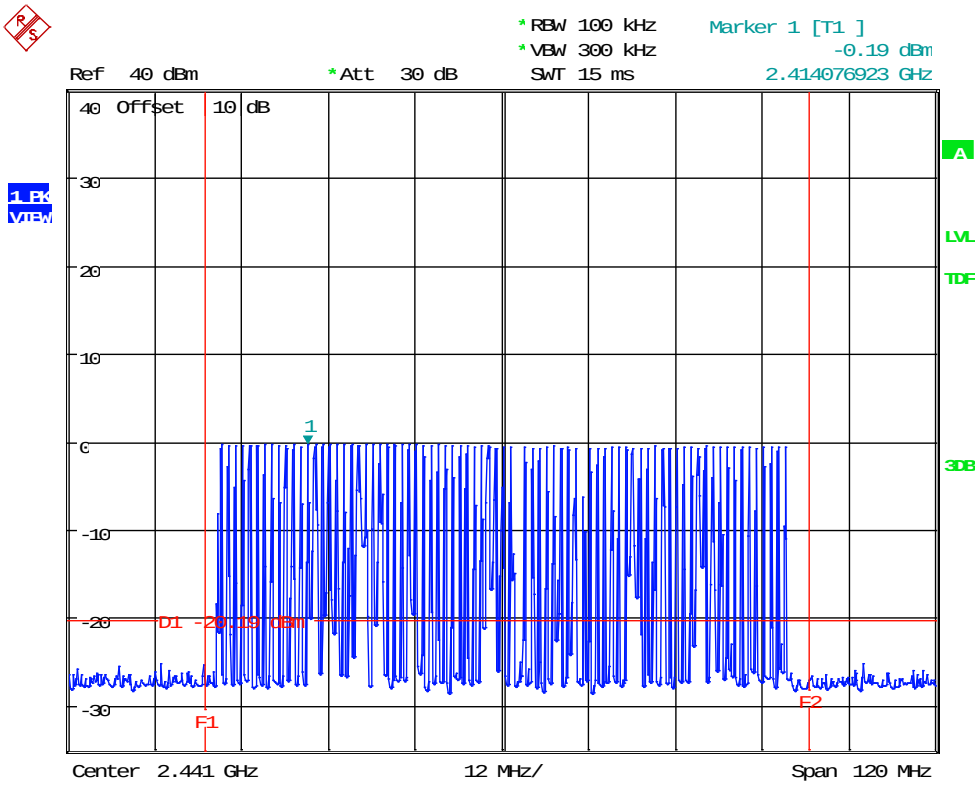
Plot 23: 20dBc | 0.15-30MHz || DH1 | GFSK | Ch 0 (2402 MHz)



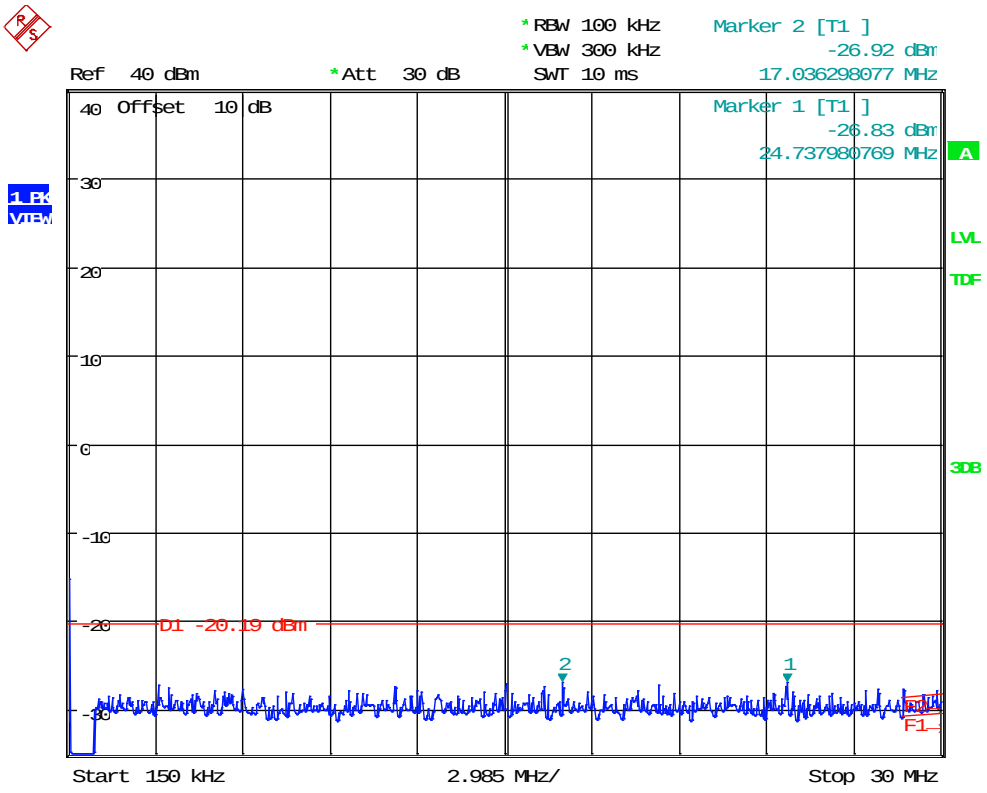
Plot 24: 20dBc | 30MHz-2.8GHz | | DH1 | GFSK | Ch 0 (2402 MHz)



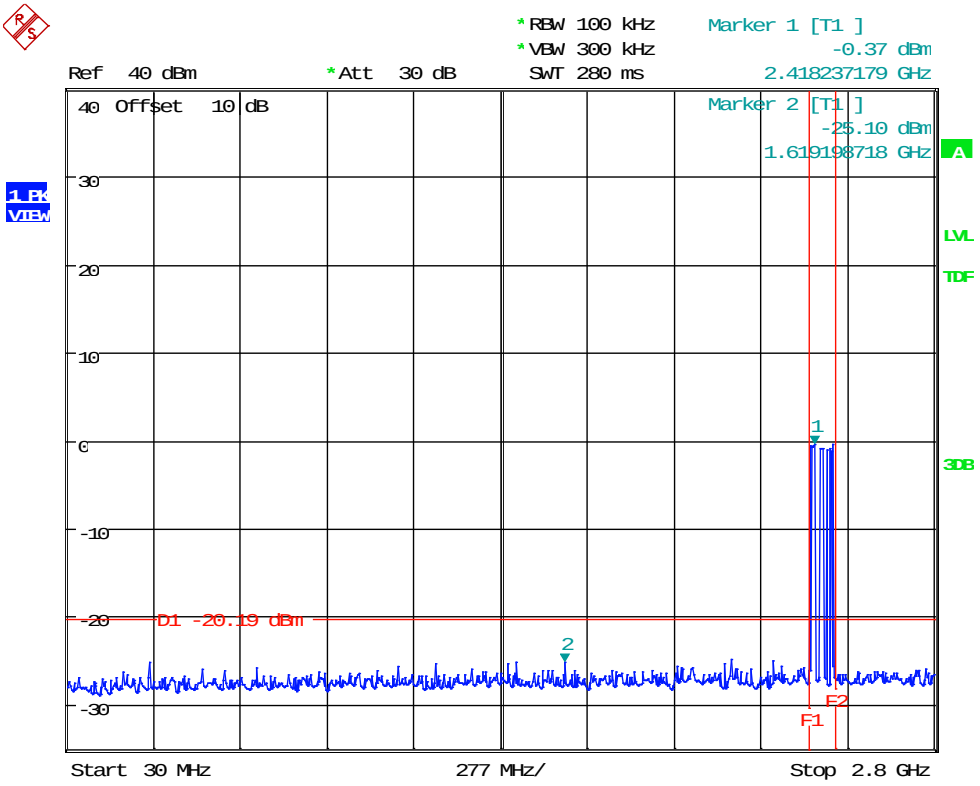
Plot 25: 20dBc | 2.8-25GHz | | DH1 | GFSK | Ch 0 (2402 MHz)



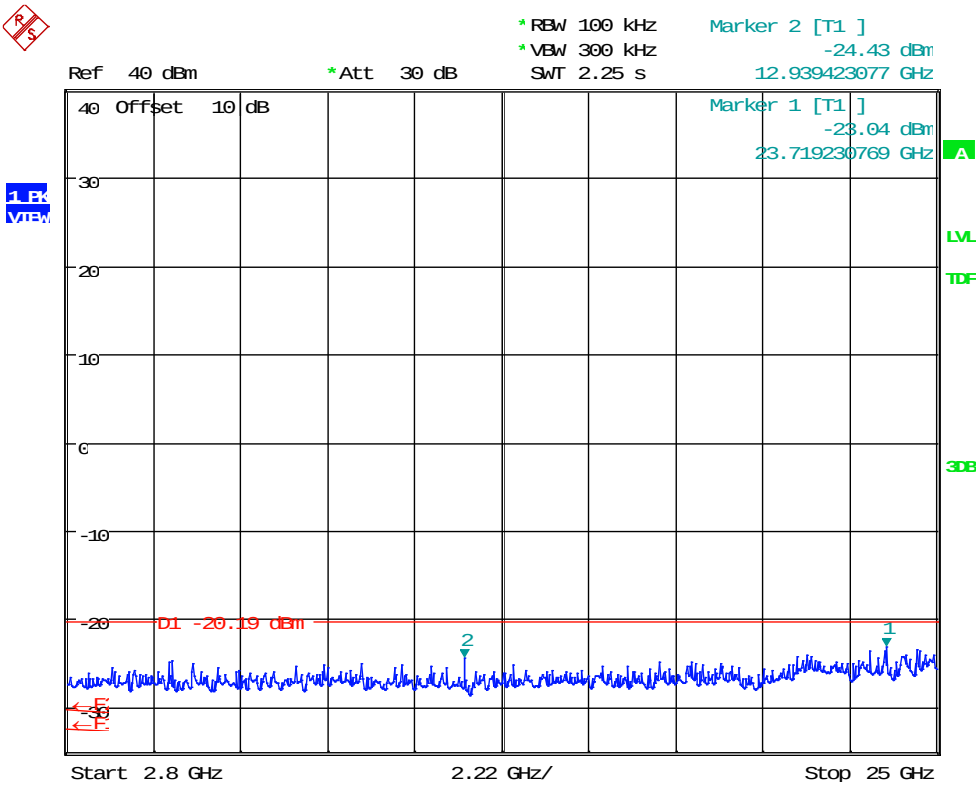
Plot 26: 20dBc Ref | 2-DH5 | pi/4 DQPSK | Ch 39 (2442 MHz)



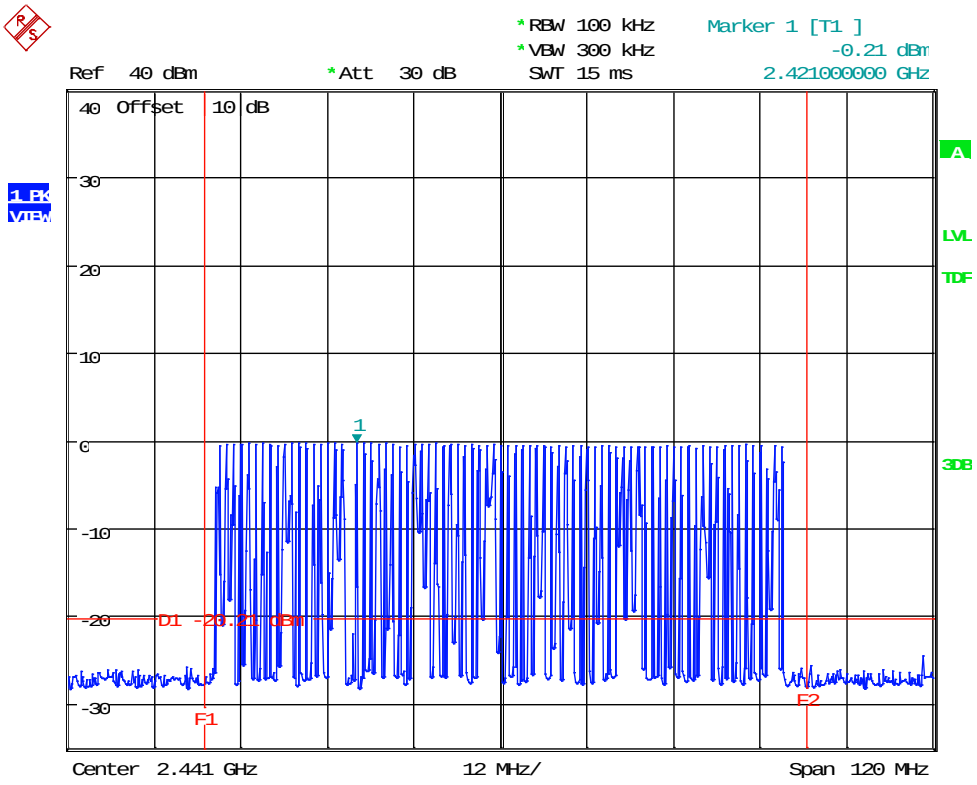
Plot 27: 20dBc | 0.15-30MHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2442 MHz)



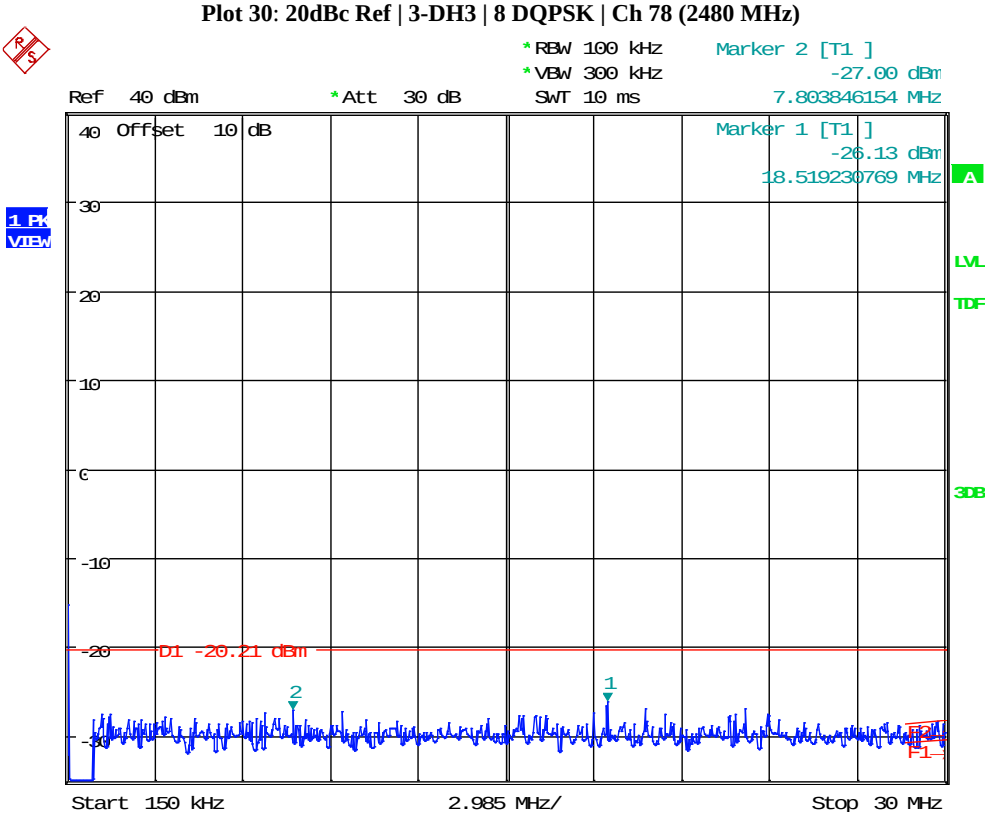
Plot 28: 20dBc | 30MHz-2.8GHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2442 MHz)



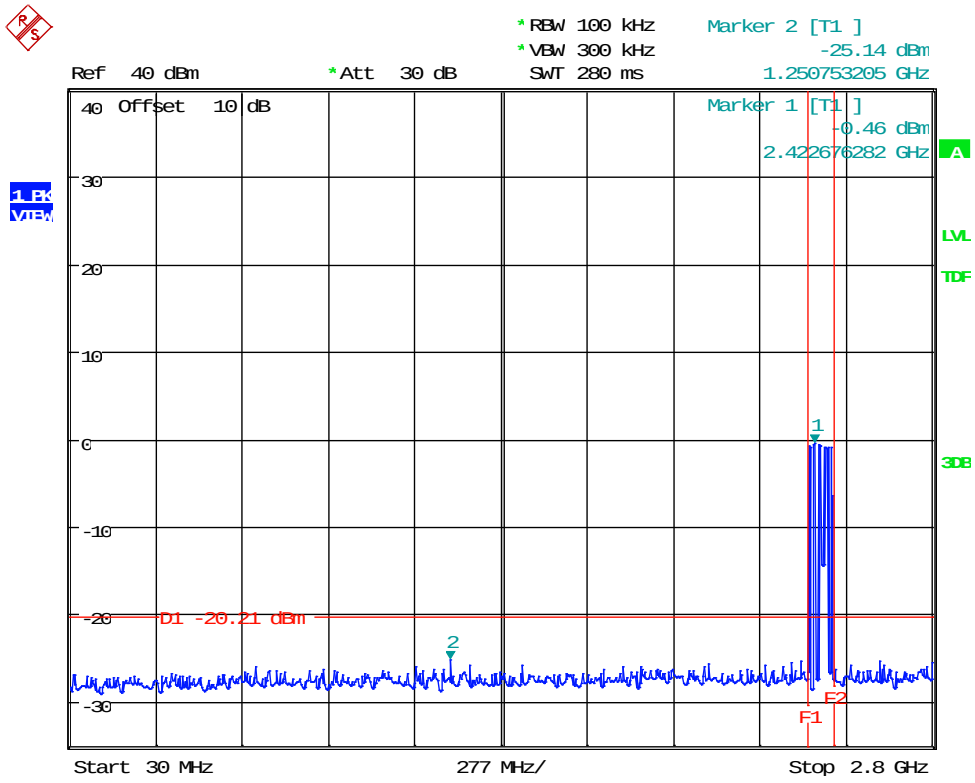
Plot 29: 20dBc | 2.8-25GHz | 2-DH5 | pi/4 DQPSK | Ch 39 (2442 MHz)



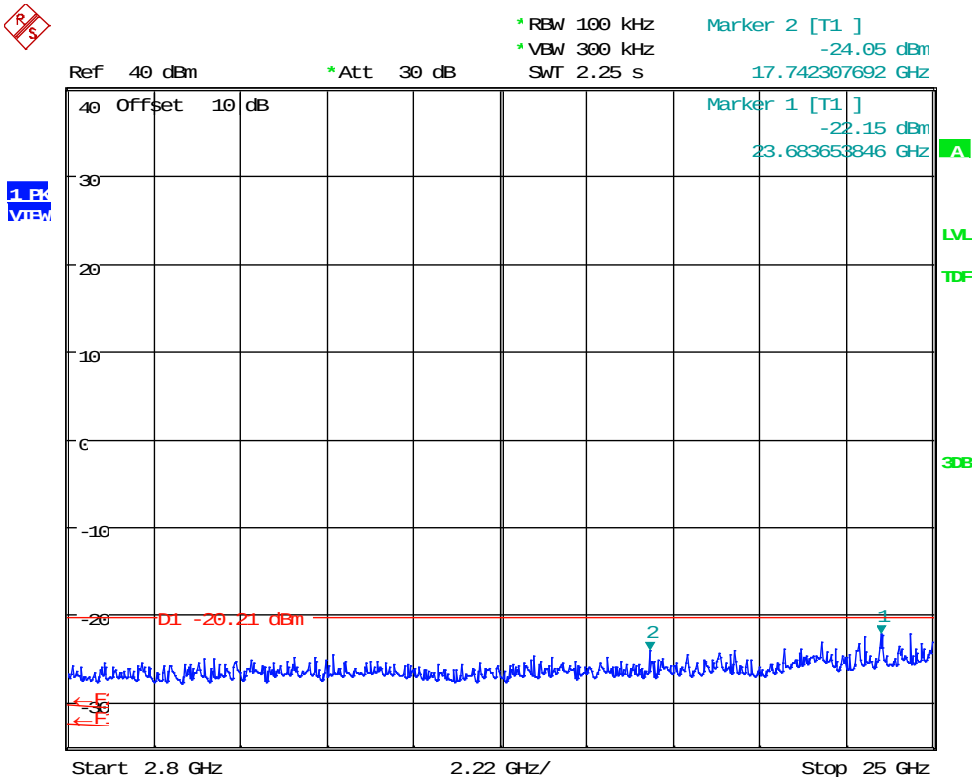
Plot 30: 20dBc Ref | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)



Plot 31: 20dBc | 0.15-30MHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)



Plot 32: 20dBc | 30MHz-2.8GHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)



Plot 33: 20dBc | 2.8-25GHz | 3-DH3 | 8 DQPSK | Ch 78 (2480 MHz)

1.8. Channel Occupancy

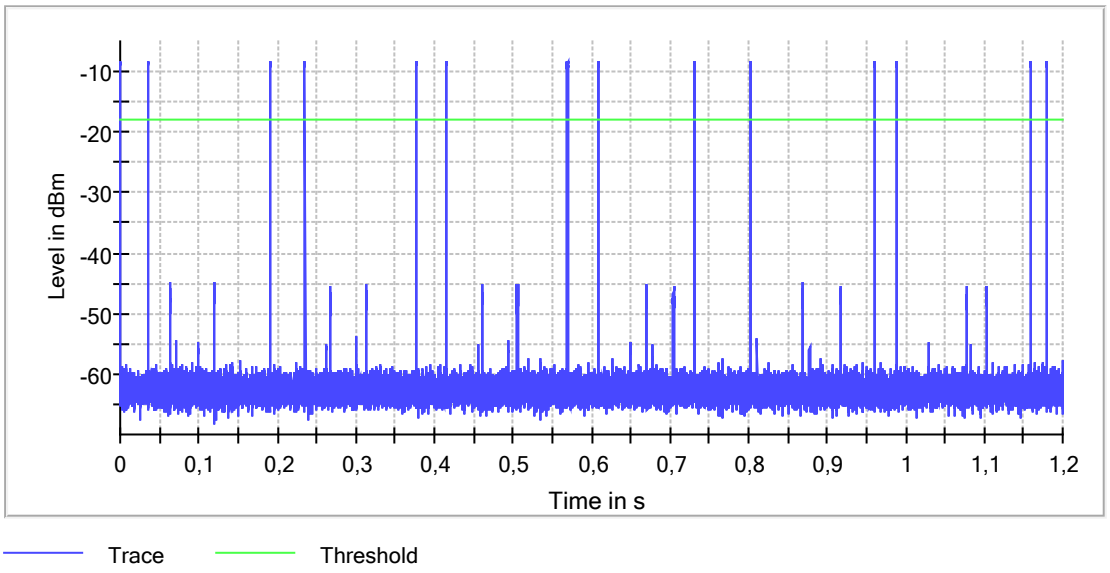
1.8.1. DH1 | GFSK 1Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Time of Channel Occupancy (2402 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2402.000000	0.004	400.000	0.000	-18.0	PASS



Measurement

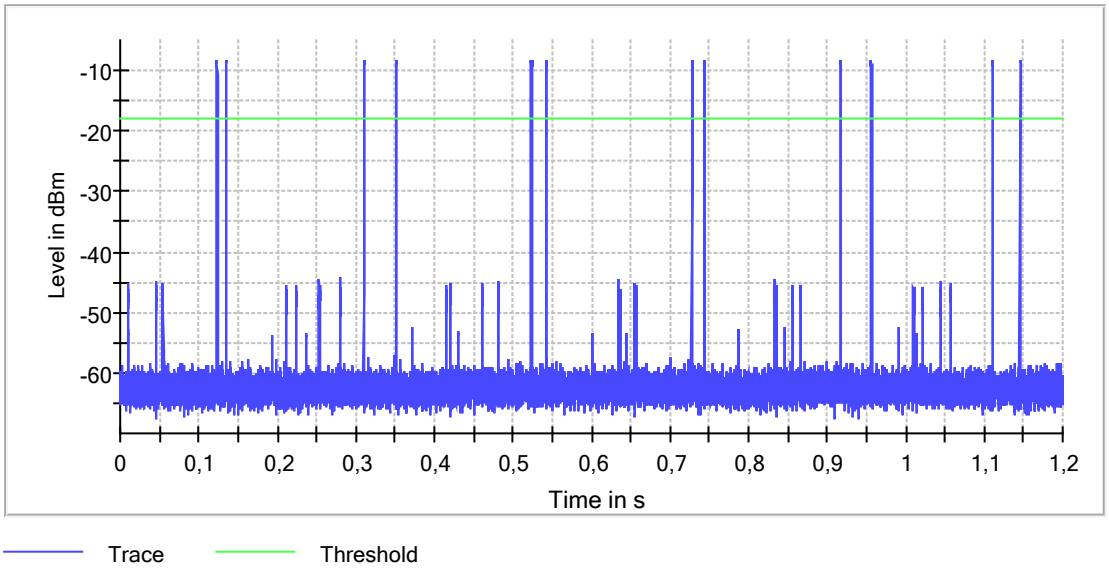
Setting	Instrument Value	Target Value
Center Frequency	2.40200 GHz	2.40200 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2441.000000	0.023	400.000	0.000	-18.0	PASS



Measurement

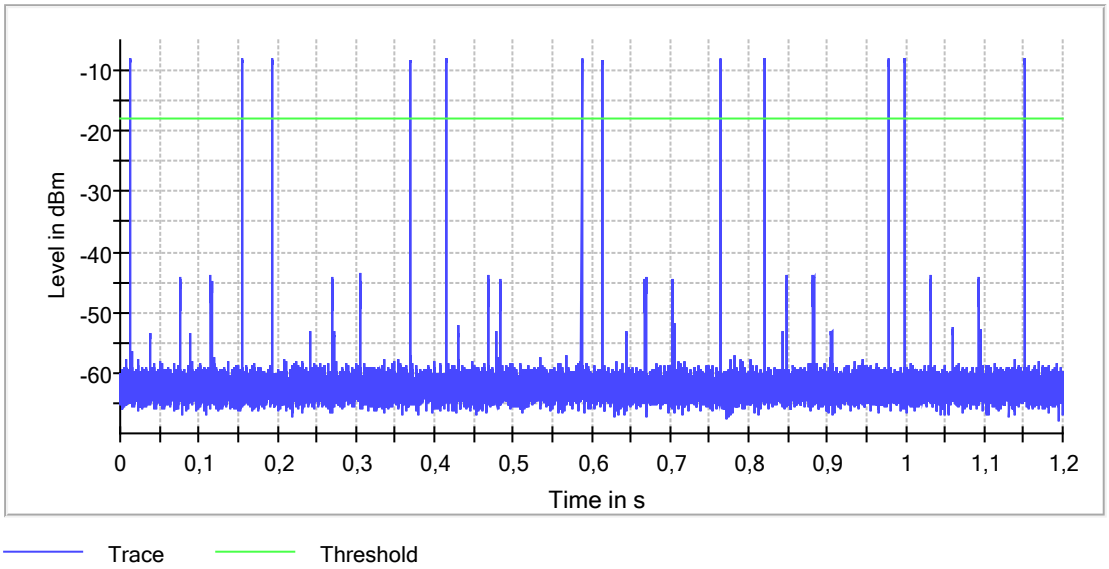
Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2480 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2480.000000	0.014	400.000	0.000	-18.0	PASS



Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.48000 GHz	2.48000 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

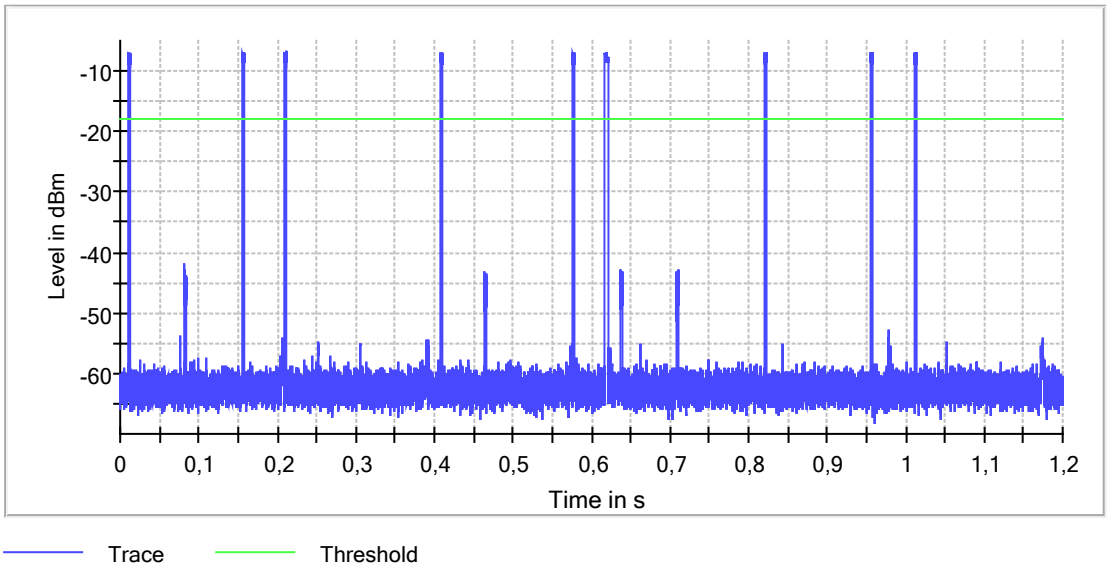
1.8.2. 2-DH5 | π/4-DQPSK 3Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Time of Channel Occupancy (2402 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2402.000000	0.309	400.000	0.000	-18.0	PASS



Measurement

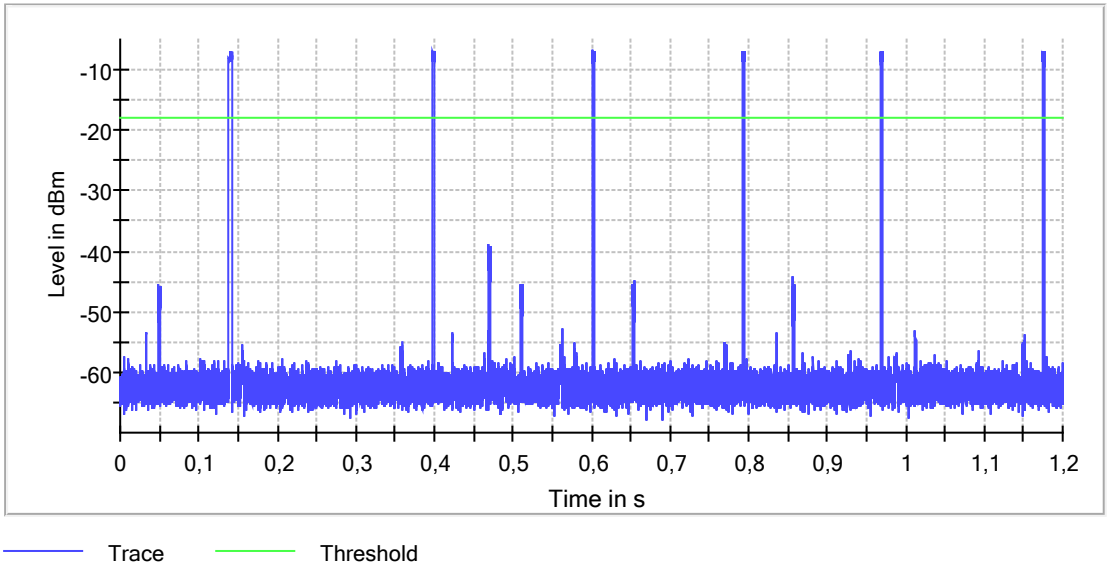
Setting	Instrument Value	Target Value
Center Frequency	2.40200 GHz	2.40200 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2441.000000	0.005	400.000	0.000	-18.0	PASS



Measurement

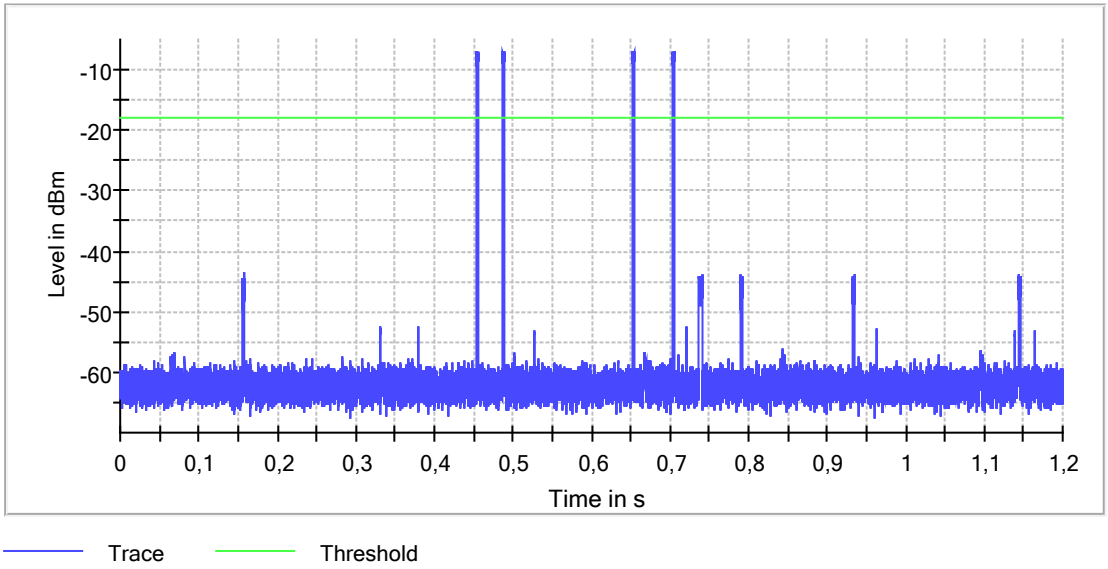
Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2480 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2480.000000	0.038	400.000	0.000	-18.0	PASS



Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.48000 GHz	2.48000 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

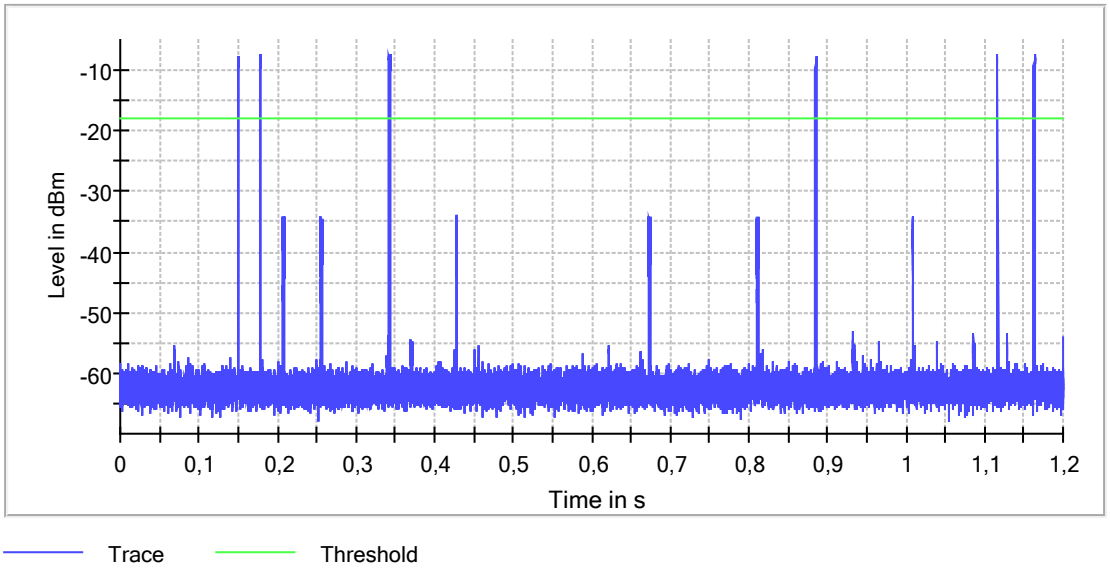
1.8.3. 3-DH3 | 8-DQPSK 3Mbps | Lowest, Middle and Highest Channel (2402, 2442 and 2480 MHz)

Time of Channel Occupancy (2402 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2402.000000	0.016	400.000	0.000	-18.0	PASS



Measurement

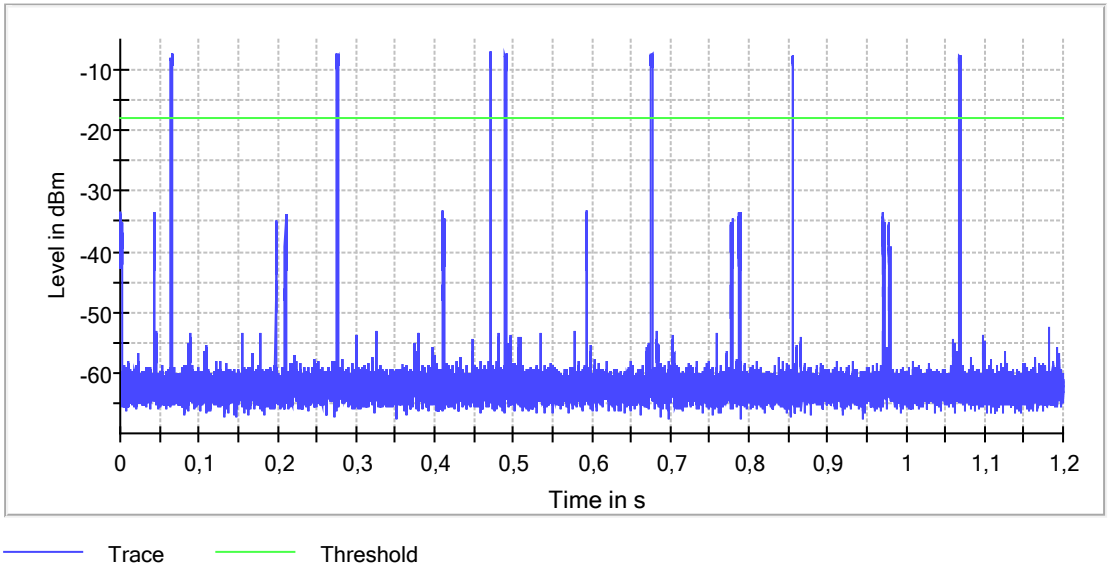
Setting	Instrument Value	Target Value
Center Frequency	2.40200 GHz	2.40200 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2441 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2441.000000	0.009	400.000	0.000	-18.0	PASS



Measurement

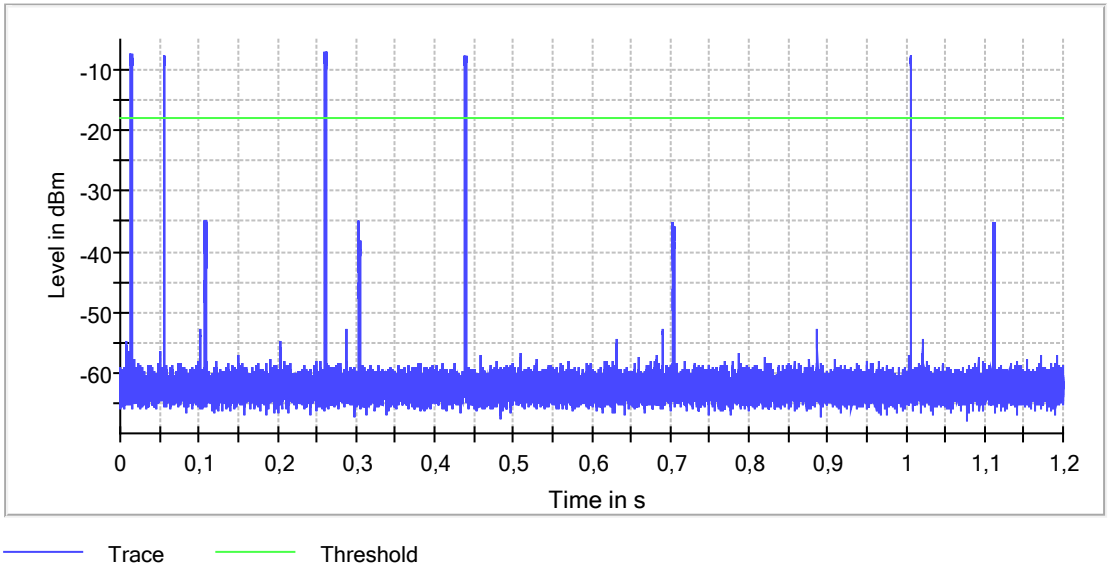
Setting	Instrument Value	Target Value
Center Frequency	2.44100 GHz	2.44100 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

Time of Channel Occupancy (2480 MHz; 2,000 dBm; 1 MHz)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Result

DUT Frequency (MHz)	Time (ms)	Limit Max (ms)	Limit Min (ms)	Threshold (dBm)	Result
2480.000000	0.100	400.000	0.000	-18.0	PASS



Measurement

Setting	Instrument Value	Target Value
Center Frequency	2.48000 GHz	2.48000 GHz
Span	ZeroSpan	ZeroSpan
RBW	500.000 kHz	~ 500.000 kHz
VBW	1.000 MHz	~ 1.500 MHz
SweepPoints	30001	~ 30001
Sweeptime	1.200 s	1.200 s
Reference Level	0.000 dBm	0.000 dBm
Attenuation	0.000 dB	0.000 dB
Detector	MaxPeak	MaxPeak
SweepCount	1	1
Filter	Channel	Channel
Trace Mode	Clear Write	Clear Write
Sweeptype	Sweep	AUTO
Preamp	off	off
Trigger	External	External
Trigger Offset	0.000 ms	0.000 ms

1.9. Number of hopping frequencies

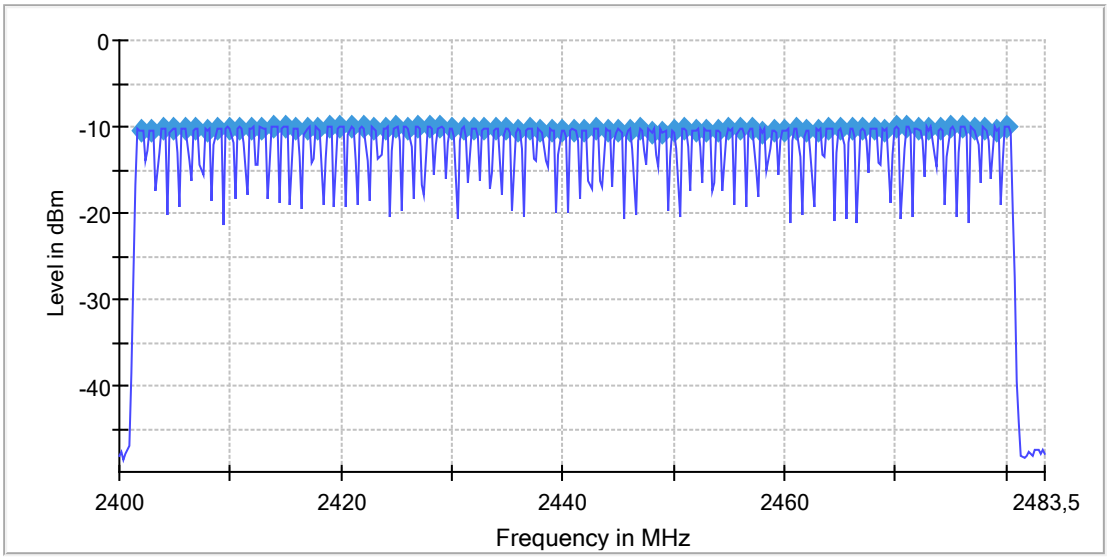
1.9.1. DH1 | GFSK 1Mbps | Hopping mode

Hopping Frequencies (frequency independent; 2,000 dBm; 1 MHz)

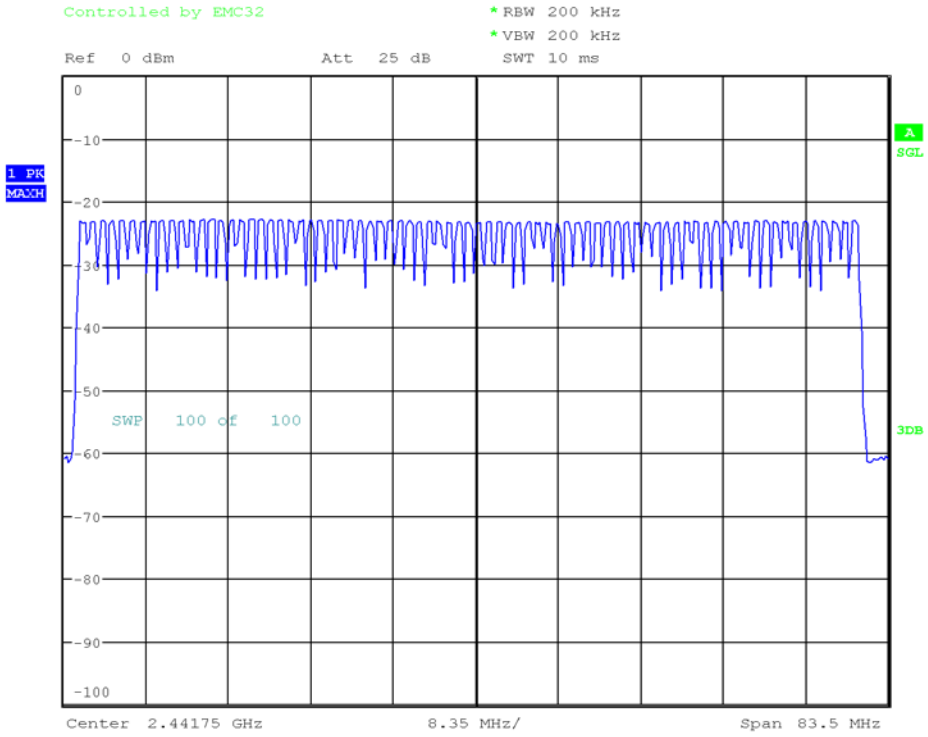
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Channels

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



Sequence



Date: 23.JUN.2017 21:06:50

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	401	~ 418
Sweeptime	10.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	60 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.36 dB	0.50 dB

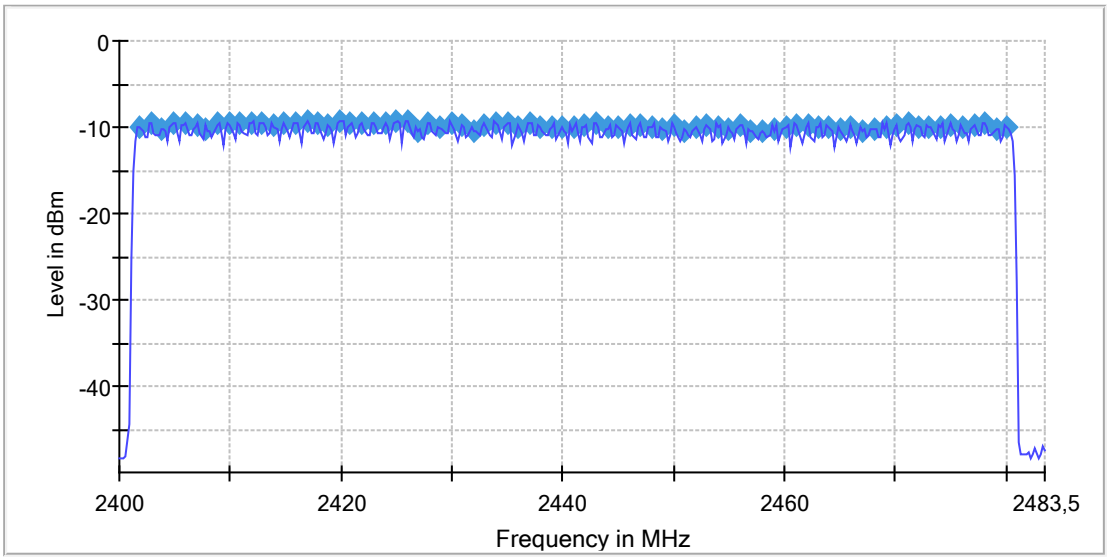
1.9.2. 2-DH5 | π/4-DQPSK 3Mbps | Hopping mode

Hopping Frequencies (frequency independent; 2,000 dBm; 1 MHz)

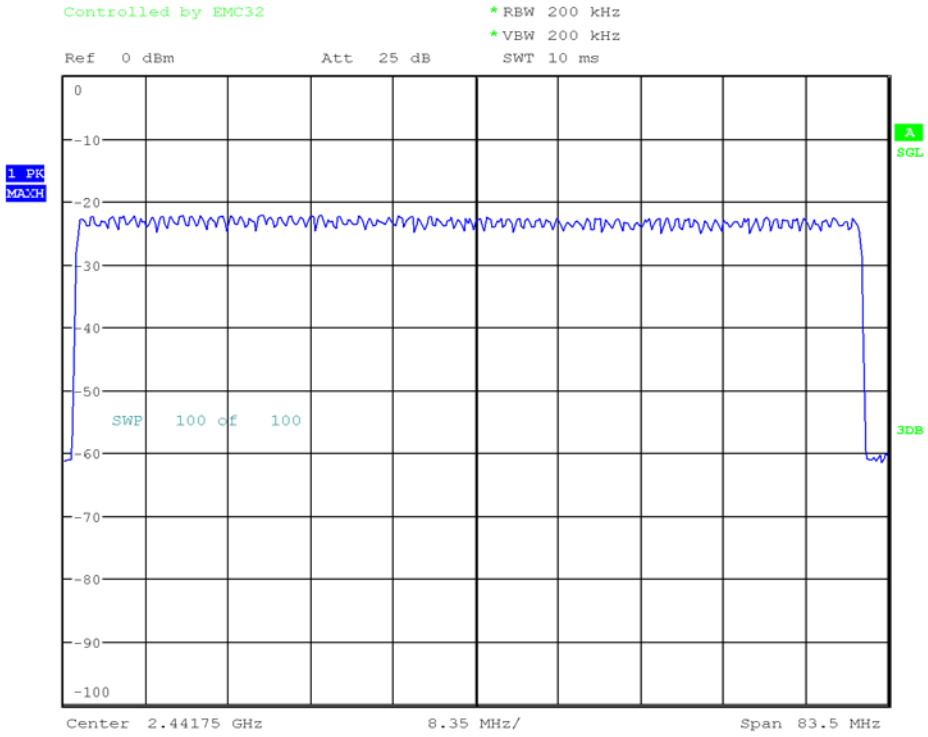
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Channels

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



Sequence



Date: 23.JUN.2017 21:13:58

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	401	~ 418
Sweeptime	10.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	55 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.10 dB	0.50 dB

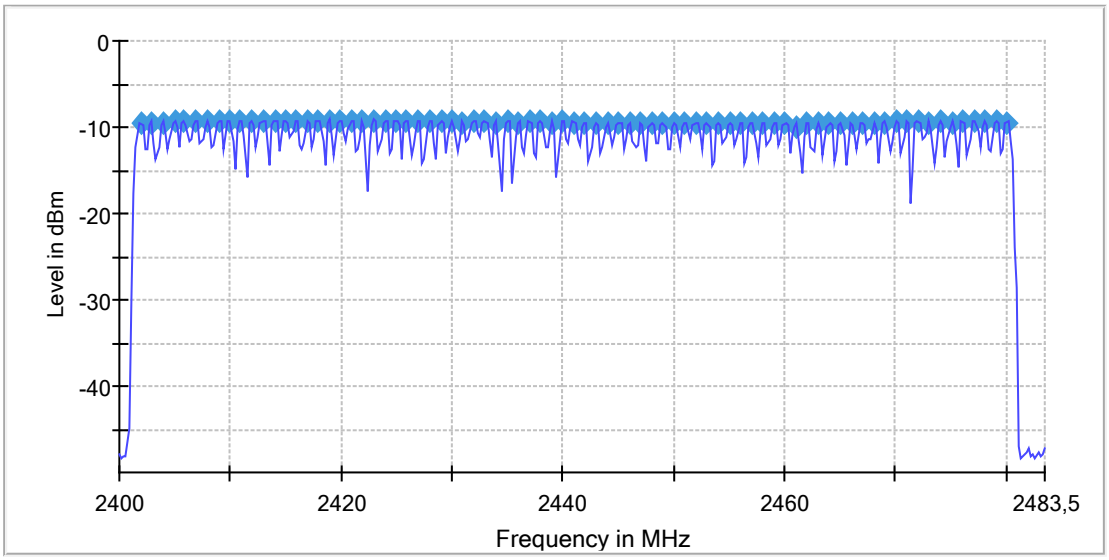
1.9.3. 3-DH3 | 8-DQPSK 3Mbps | Hopping mode

Hopping Frequencies (frequency independent; 2,000 dBm; 1 MHz)

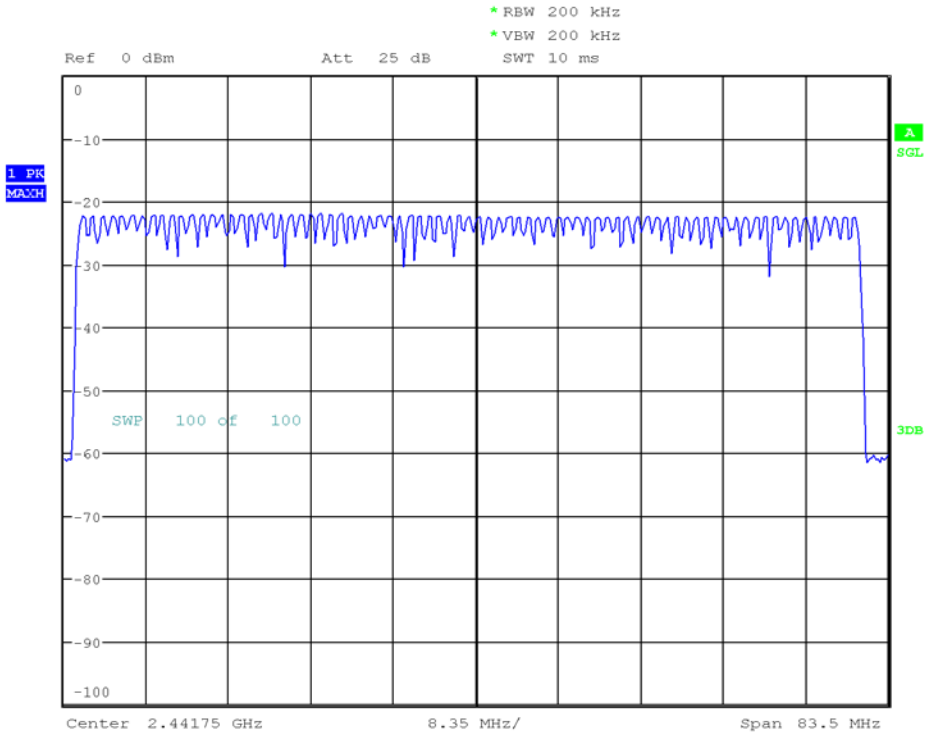
Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v03r05 and ANSI C63.10

Channels

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



Sequence



Date: 23.JUN.2017 22:32:59

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	401	~ 418
Sweeptime	10.000 ms	AUTO
Reference Level	0.000 dBm	0.000 dBm
Attenuation	25.000 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	72 / max. 150	max. 150
Stable	3 / 3	3
Max Stable Difference	0.36 dB	0.50 dB

2. Radiated Field Strength Measurements

2.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz

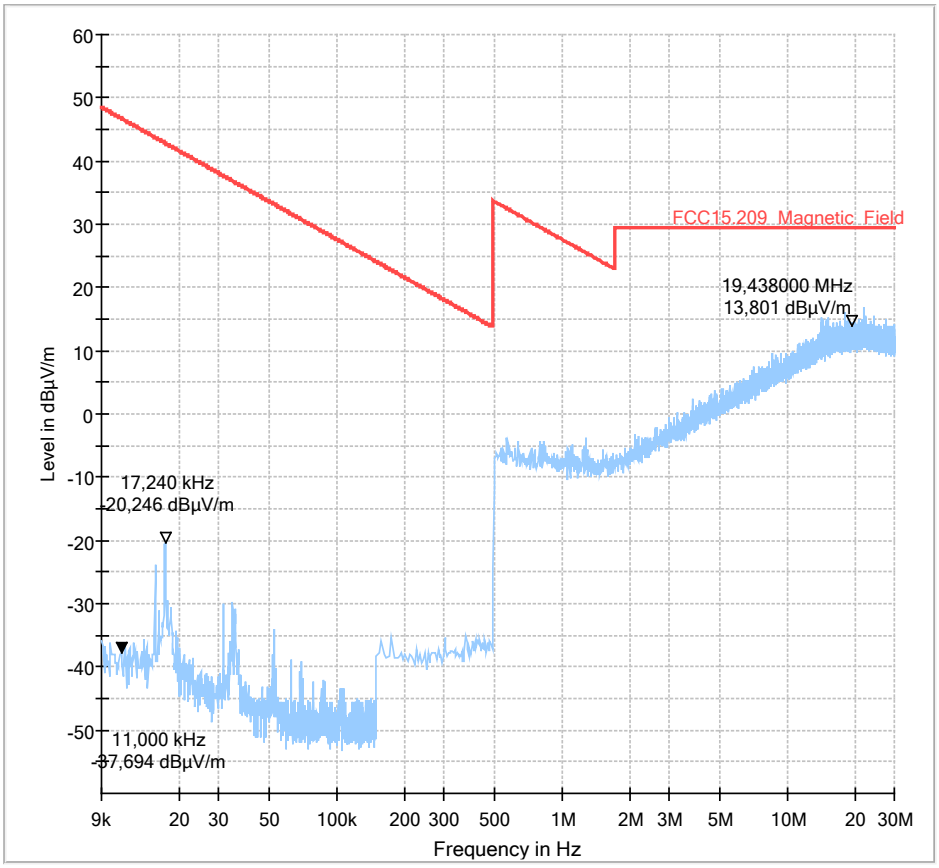
2.01a_BT_DH1_GFSK_Ch00_standing

Common Information

Test Description:	Magnetic Fieldstrength Measurement related to 3 m distance
Operating Conditions:	Semi Anechoic Room (SAR); CETECOM GmbH Essen
Test Standard:	FCC 15.247
Antenna polarisation:	horizontal/vertical
Operator mode:	TX Modulated
Operation Name:	SLo
Comment:	Mode: DH1 | Data Rate: GFSK 1Mbps | Channel: 00
Comment 2:	DUT standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



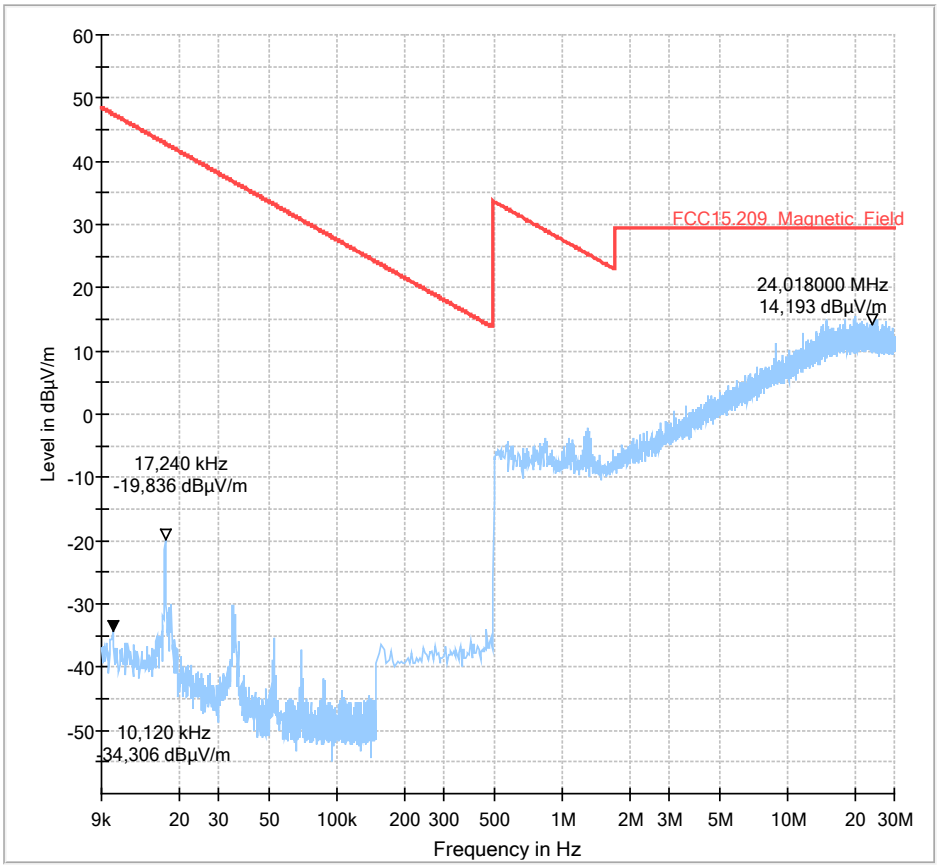
2.01b_BT_DH1_GFSK_Ch00_laying

Common Information

Test Description:	Magnetic Fieldstrength Measurement related to 3 m distance
Operating Conditions:	Semi Anechoic Room (SAR); CETECOM GmbH Essen
Test Standard:	FCC 15.247
Antenna polarisation:	horizontal/vertical
Operator mode:	TX Modulated
Operation Name:	SLo
Comment:	Mode: DH1 | Data Rate: GFSK 1Mbps | Channel: 00
Comment 2:	DUT Laying

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



2.02a_BT_2-DH5_ π/4-DQPSK_Ch39_standing

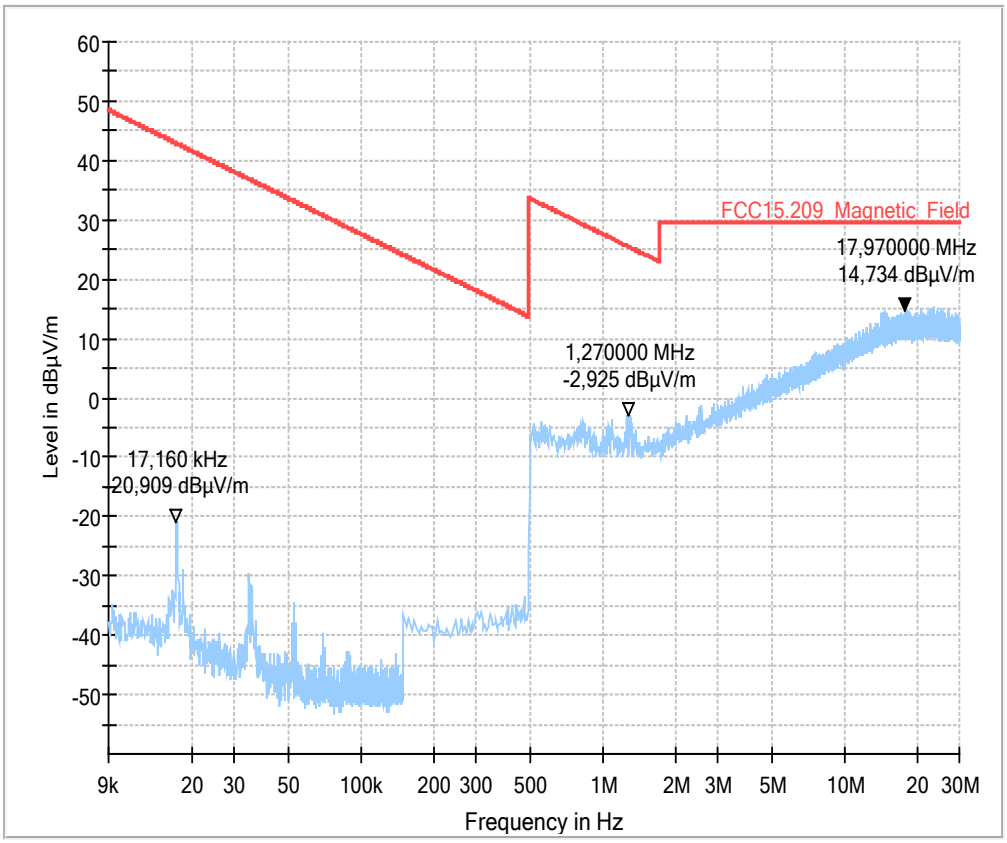
Common Information

Test Description:	Magnetic Fieldstrength Measurement related to 3 m distance
Operating Conditions:	Semi Anechoic Room (SAR); CETECOM GmbH Essen
Test Standard:	FCC 15.247
Antenna polarisation:	horizontal/vertical
Operator mode:	TX Modulated
Operation Name:	SLo
Comment:	Mode: 2-DH5 | Data Rate: pi/4-DQPSK Mbps | Channel: 39
Comment 2:	DUT standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



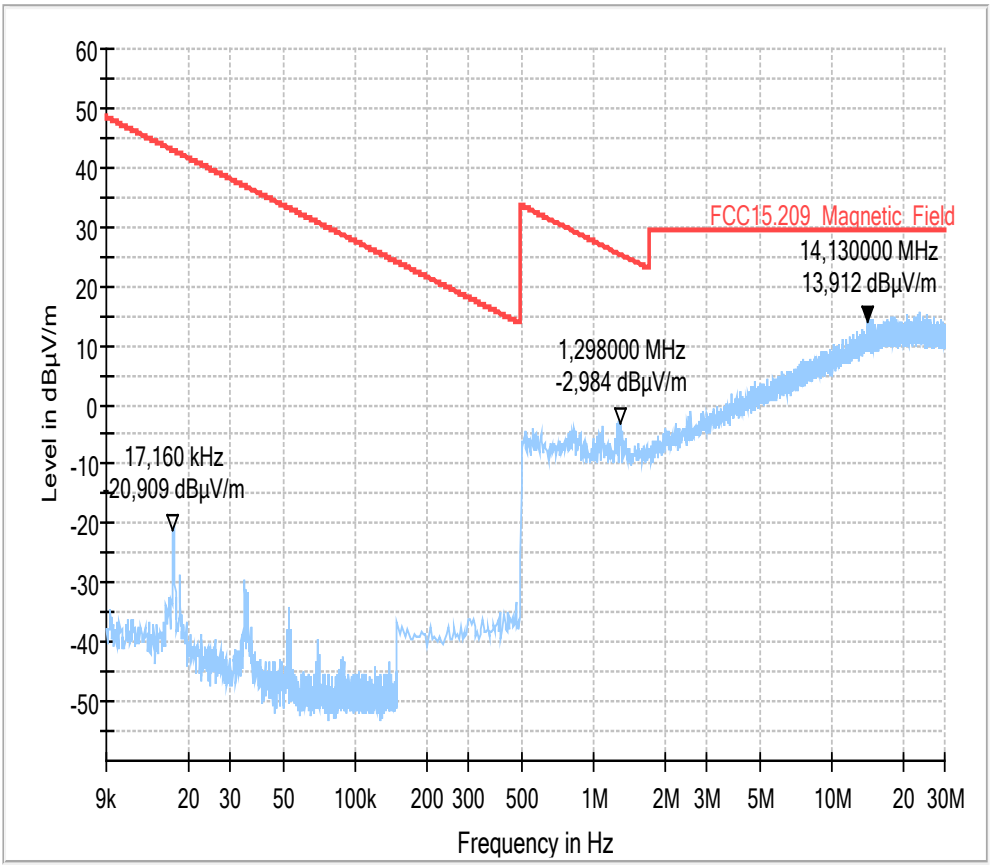
2.02b_BT_2-DH5_π/4-DQPSK_Ch39_laying

Common Information

Test Description:	Magnetic Fieldstrength Measurement related to 3 m distance
Operating Conditions:	Semi Anechoic Room (SAR); CETECOM GmbH Essen
Test Standard:	FCC 15.247
Antenna polarisation:	horizontal/vertical
Operator mode:	TX Modulated
Operation Name:	SLo
Comment:	Mode: 2-DH5 | Data Rate: pi/4-DQPSK Mbps | Channel: 39
Comment 2:	DUT Laying

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



2.03a_BT_3-DH3_ 8DQPSK_Ch78_standing

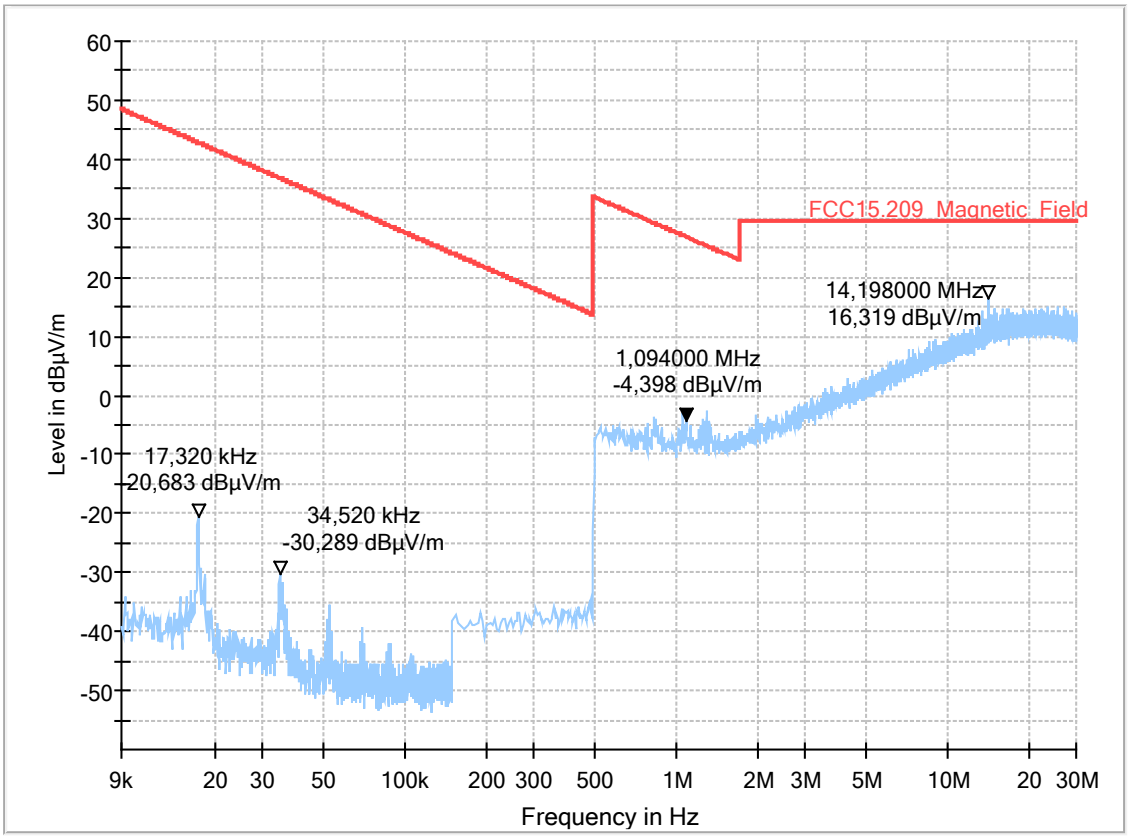
Common Information

Test Description:	Magnetic Fieldstrength Measurement related to 3 m distance
Operating Conditions:	Semi Anechoic Room (SAR); CETECOM GmbH Essen
Test Standard:	FCC 15.247
Antenna polarisation:	horizontal/vertical
Operator mode:	TX Modulated
Operation Name:	SLo
Comment:	Mode: 3-DH3 | Data Rate: 8DQPSK 3Mbps | Channel: 78
Comment 2:	DUT standing

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



2.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz

3.01a_BT_DH1_GFSK_Ch00_standing

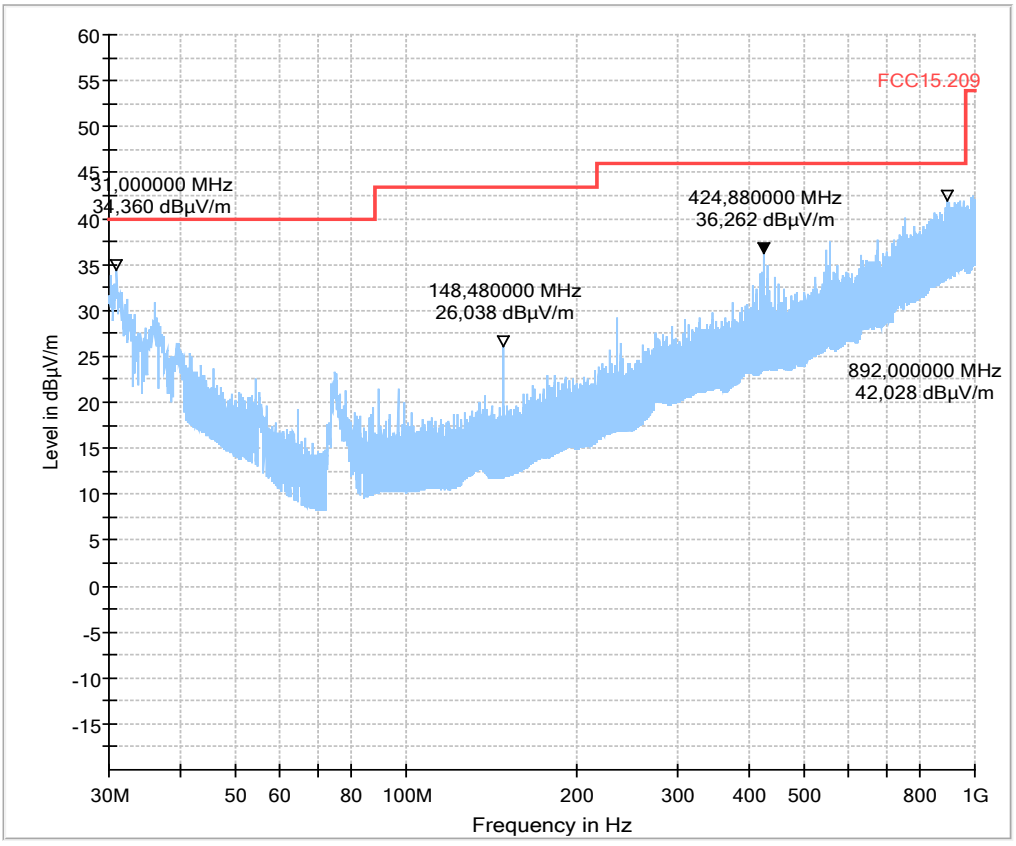
Common Information

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	DH1 | GFSK 1Mbps | 00
Operating conditions:	Bluetooth
Comment 1:	standing
Operator:	RIs

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



3.01b_BT_DH1_GFSK_Ch00_laying

Common Information

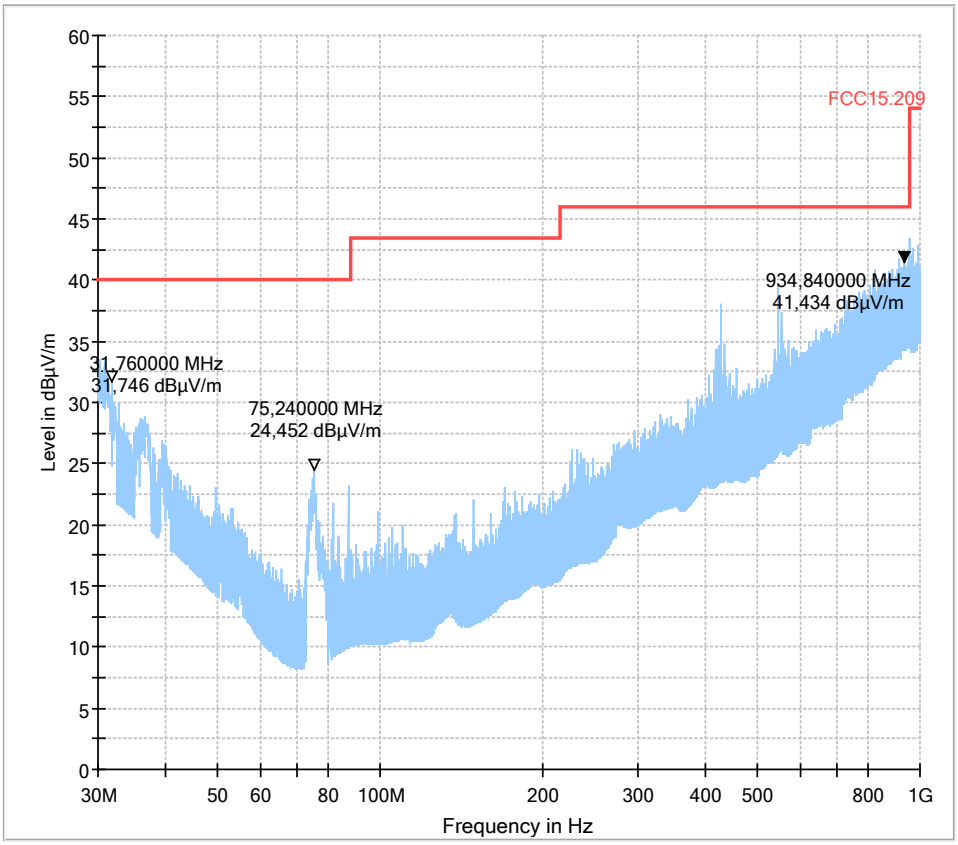
10.06.2017 Page 1 of 6

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	DH1 | GFSK 1Mbps | 00
Operating conditions:	Bluetooth
Comment 1:	laying
Operator:	SLo

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



3.02a_BT_2-DH5_pi´4-DQPSK_Ch39_standing

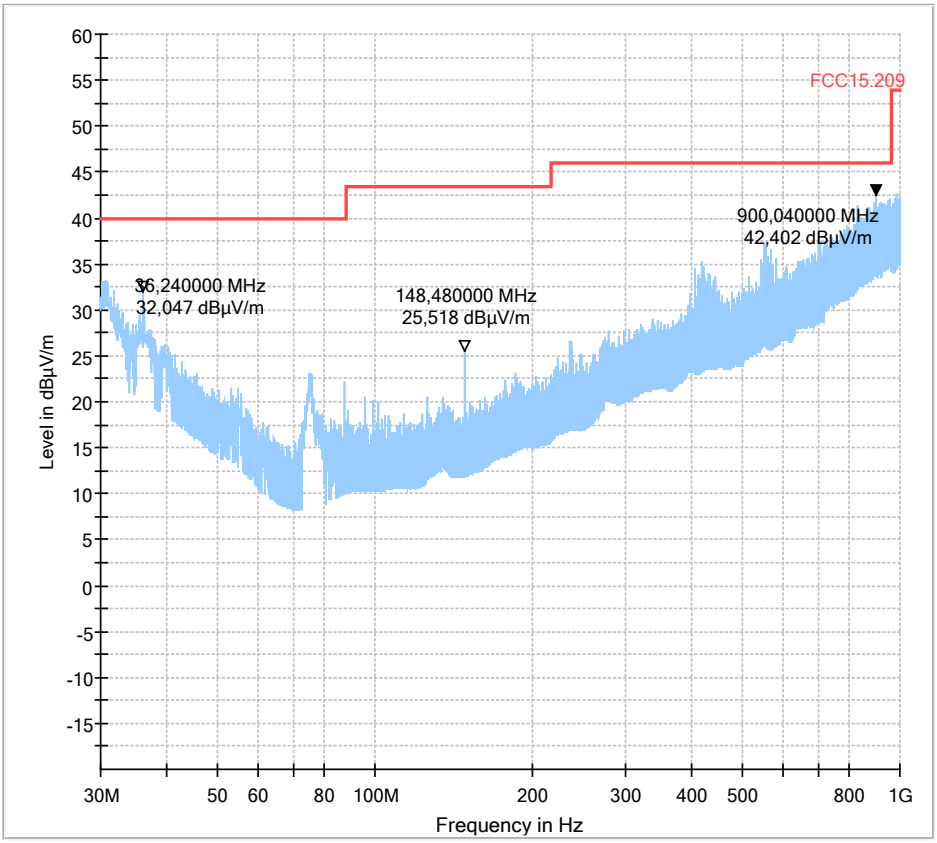
Common Information

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	2-DH5 | pi/4-DQPSK 3Mbps| 39
Operating conditions:	Bluetooth
Comment 1:	standing
Operator:	RIs

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



3.02b_BT_2-DH5_ phi4-DQPSK_Ch39_laying

Common Information

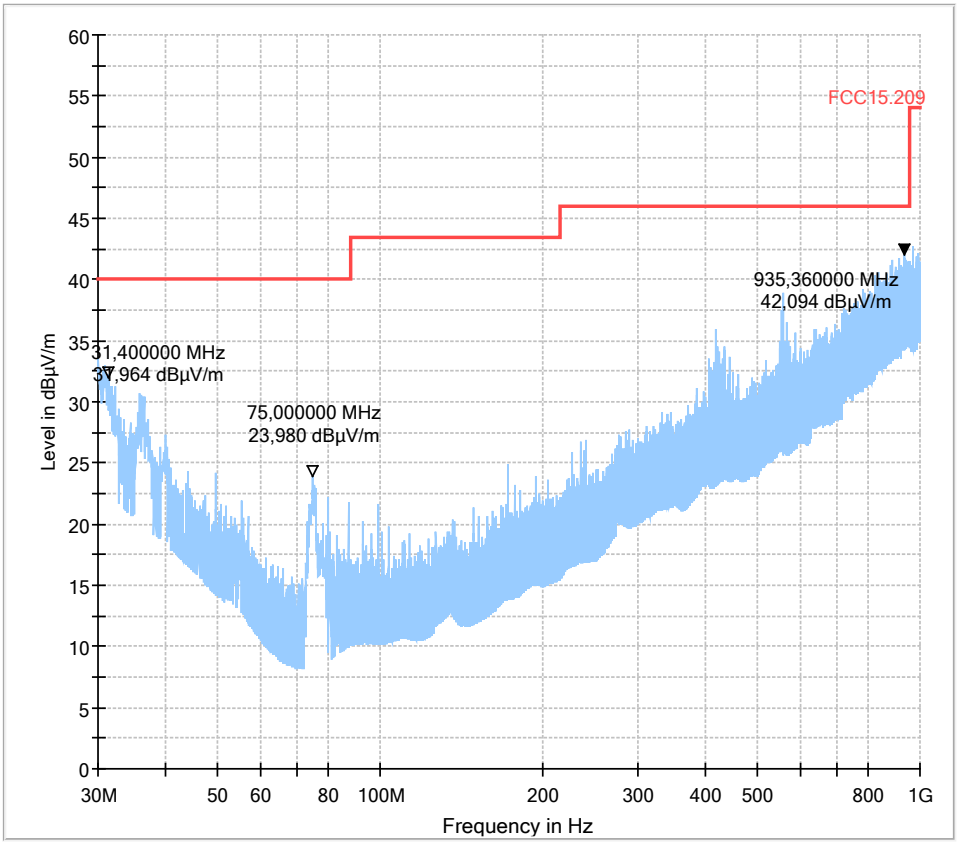
10.06.2017 Page 1 of 3

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	2-DH5 | phi/4-DQPSK 3Mbps| 39
Operating conditions:	Bluetooth
Comment 1:	laying
Operator:	SLo

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



3.03a_BT_3-DH3_ 8DQPSK_Ch78_standing

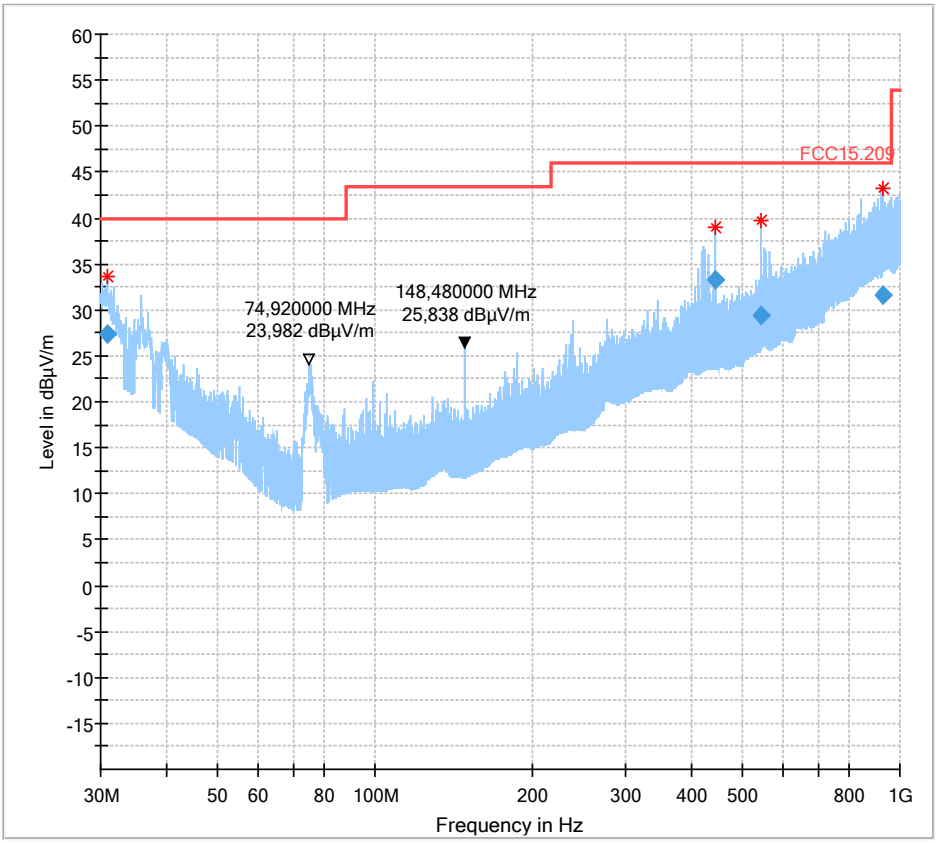
Common Information

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	3-DH3 | 8DQPSK 3Mbps| 78
Operating conditions:	Bluetooth
Comment 1:	standing
Operator:	RIs

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.936000	27.41	40.00	12.59	1000.0	120.000	109.0	V	314.0	21.1
445.492000	33.24	46.00	12.76	1000.0	120.000	151.0	V	181.0	19.4
544.492000	29.39	46.00	16.61	1000.0	120.000	252.0	V	167.0	21.2
925.660000	31.57	46.00	14.43	1000.0	120.000	216.0	H	207.0	27.1

3.03b_BT_3-DH3_ 8DQPSK_Ch78_laying

Common Information

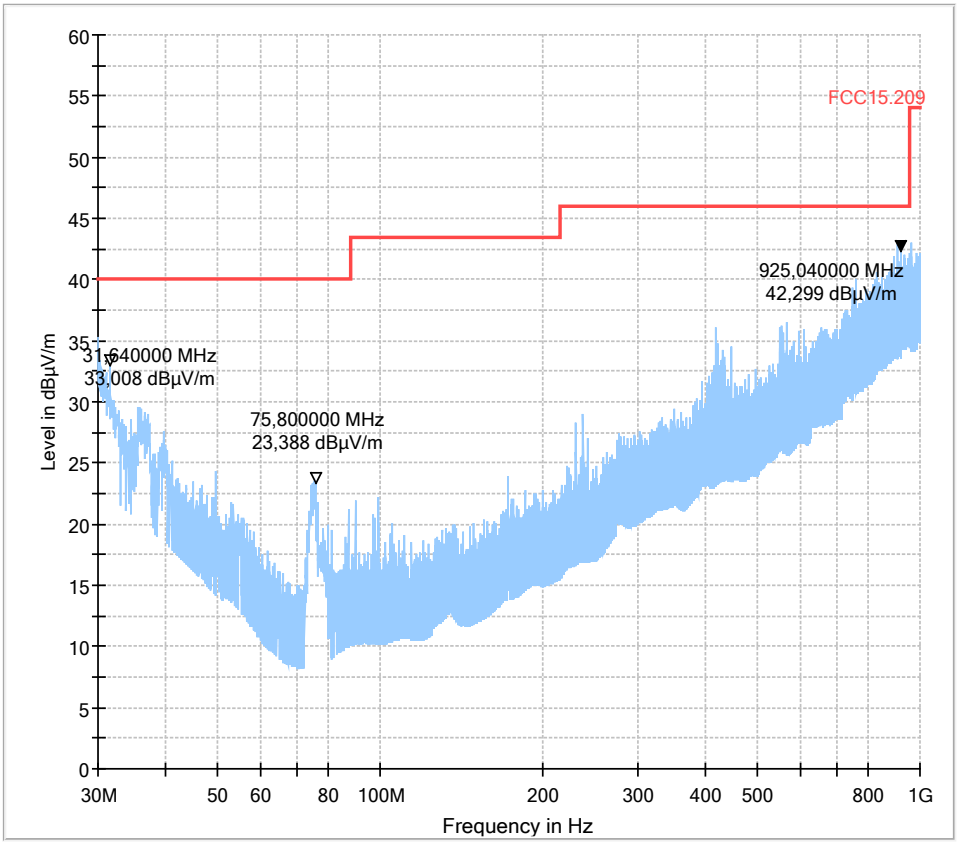
10.06.2017 Page 1 of 3

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:	EMC32 V9.25.0
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operating Mode:	3-DH3 | 8DQPSK 3Mbps| 78
Operating conditions:	Bluetooth
Comment 1:	laying
Operator:	SLo

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

Full Spectrum



2.3. Radiated Field Strength Emissions – 1 GHz to 18 GHz

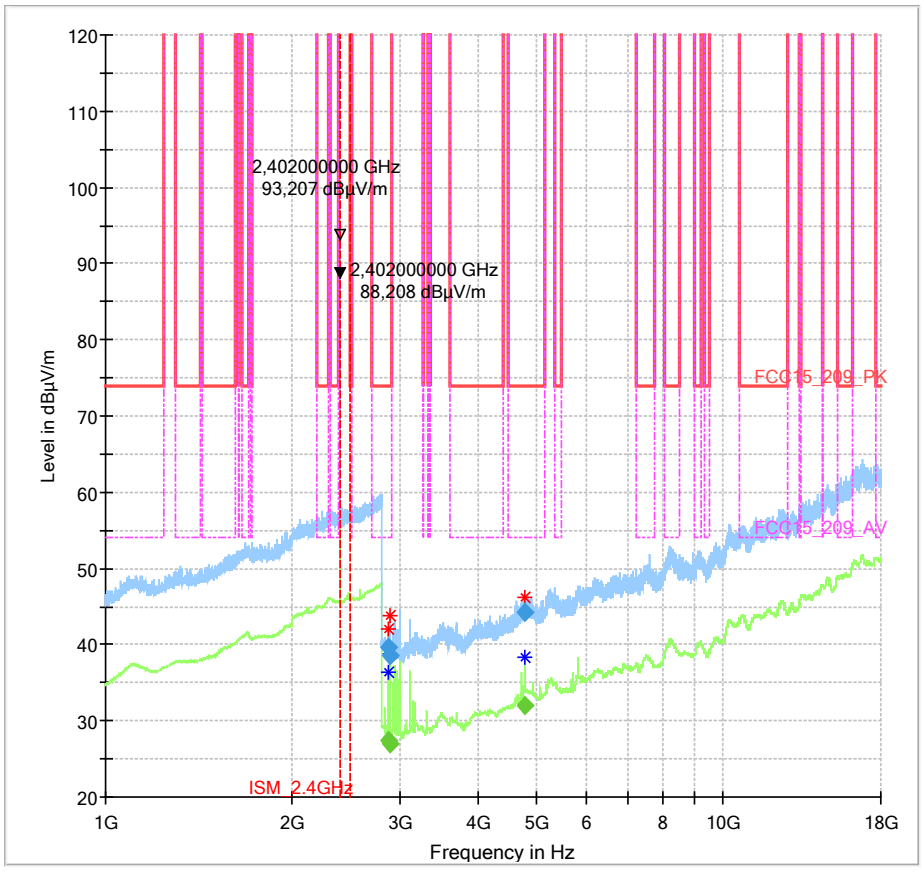
4.01_BT_DH1_GFSK_Ch00

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
Operation mode:	TX, continuous
Operator Name:	RIs
Comment:	Channel 0

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)
2869.600000	39.66	---	74.00	34.34	100.0	1000.000
2869.600000	---	27.39	54.00	26.61	100.0	1000.000
2895.200000	---	27.06	54.00	26.94	100.0	1000.000
2895.200000	38.61	---	74.00	35.39	100.0	1000.000
4774.800000	44.22	---	74.00	29.78	100.0	1000.000
4774.800000	---	31.95	54.00	22.05	100.0	1000.000

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2869.600000	155.0	H	202.0	90.0	-0.7
2869.600000	155.0	H	218.0	90.0	-0.7
2895.200000	155.0	H	129.0	90.0	-0.9
2895.200000	155.0	H	103.0	0.0	-0.9
4774.800000	155.0	H	90.0	0.0	4.8
4774.800000	155.0	H	3.0	90.0	4.8

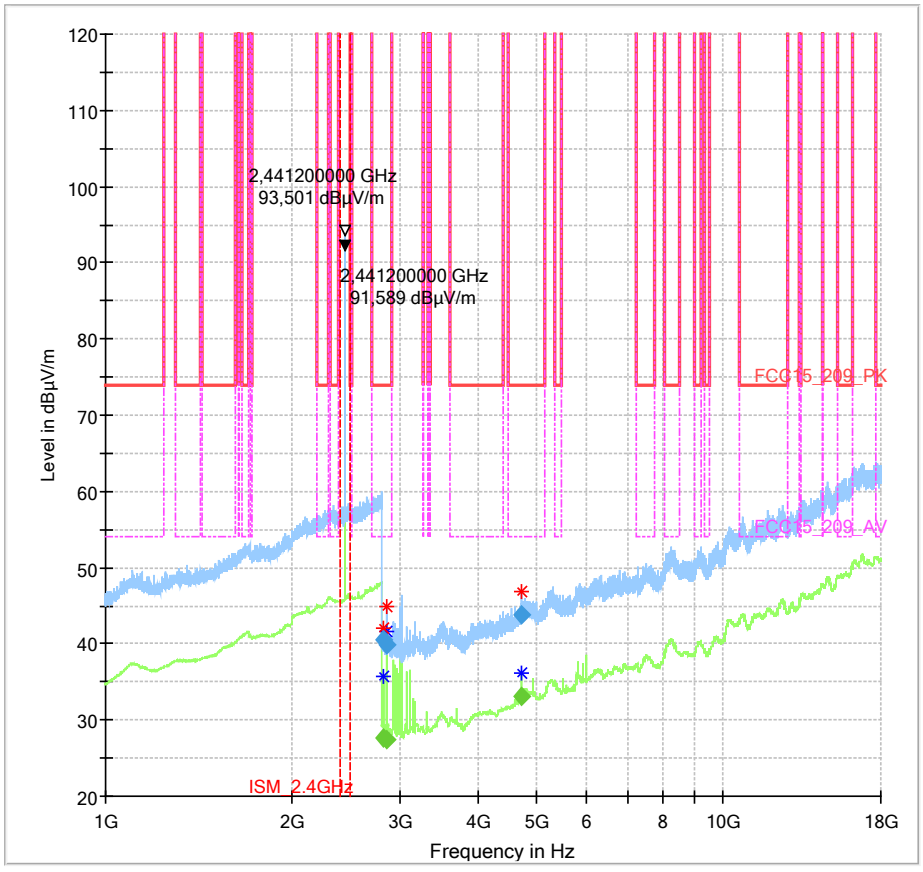
4.02_BT_2-DH5_pi´4-DQPSK_Ch39

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
Operation mode:	2-DH5 | pi/4-DQPSK 3Mbps| 39
Operator Name:	RIs
Comment:	

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)
2824.800000	---	27.58	54.00	26.42	100.0
2824.800000	40.53	---	74.00	33.47	100.0
2852.000000	---	27.32	54.00	26.68	100.0
2852.000000	39.96	---	74.00	34.04	100.0
4709.600000	43.90	---	74.00	30.10	100.0
4714.400000	---	33.19	54.00	20.81	100.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
2824.800000	1000.000	155.0	V	115.0	90.0	-0.3
2824.800000	1000.000	155.0	H	78.0	90.0	-0.3
2852.000000	1000.000	155.0	V	256.0	90.0	-0.4
2852.000000	1000.000	155.0	H	262.0	0.0	-0.4
4709.600000	1000.000	155.0	V	247.0	90.0	4.2
4714.400000	1000.000	155.0	V	346.0	90.0	4.3

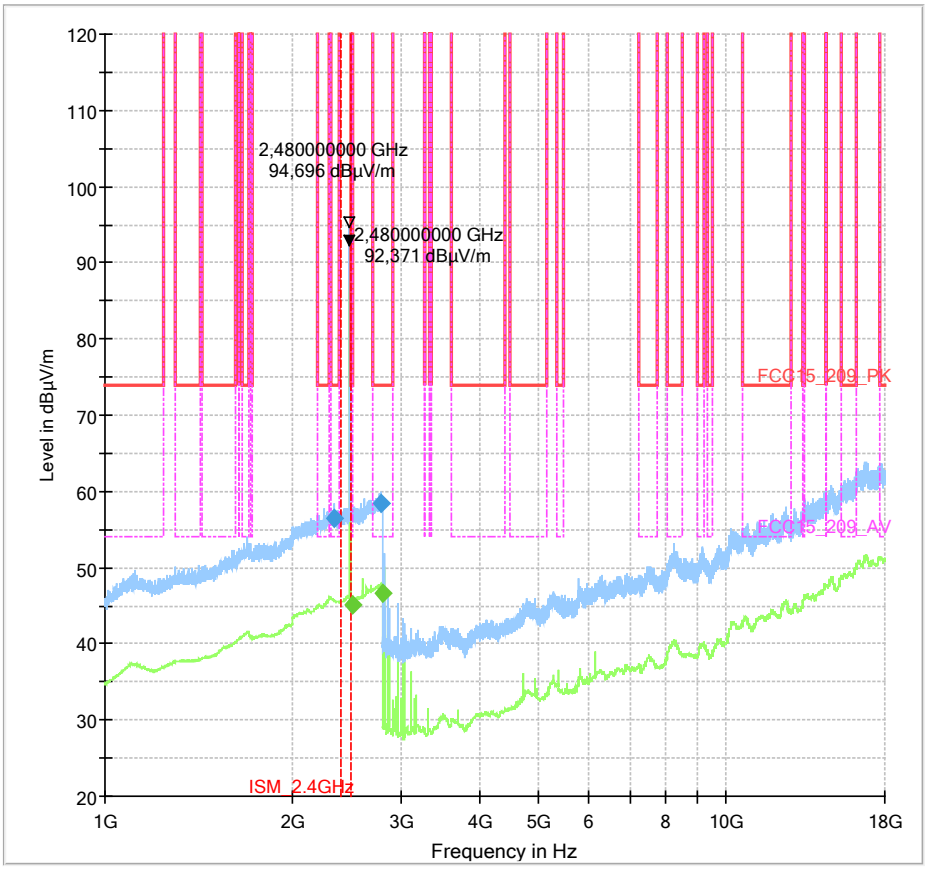
4.03_BT_3-DH3_ 8DQPSK_Ch78

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
Operation mode:	3-DH3 | 8-DQPSK 3Mbps| 78
Operator Name:	HEl
Comment:	channel 78

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
2334.800000	56.46	---	74.00	17.54	100.0	1000.000	155.0	H	315.0	0.0
2497.200000	---	45.07	54.00	8.93	100.0	1000.000	155.0	V	4.0	90.0
2780.400000	58.39	---	74.00	15.61	100.0	1000.000	155.0	V	119.0	90.0
2800.000000	---	46.62	54.00	7.38	100.0	1000.000	155.0	V	284.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr.	Comment
2334.800000	35.7	08:52:48 - 09.06.2017
2497.200000	35.6	08:57:14 - 09.06.2017
2780.400000	37.9	08:54:33 - 09.06.2017
2800.000000	38.1	08:55:48 - 09.06.2017

2.4. Radiated Field Strength Emissions – 18 GHz to 25 GHz

4.01b_BT_DH1_GFSK_Ch00

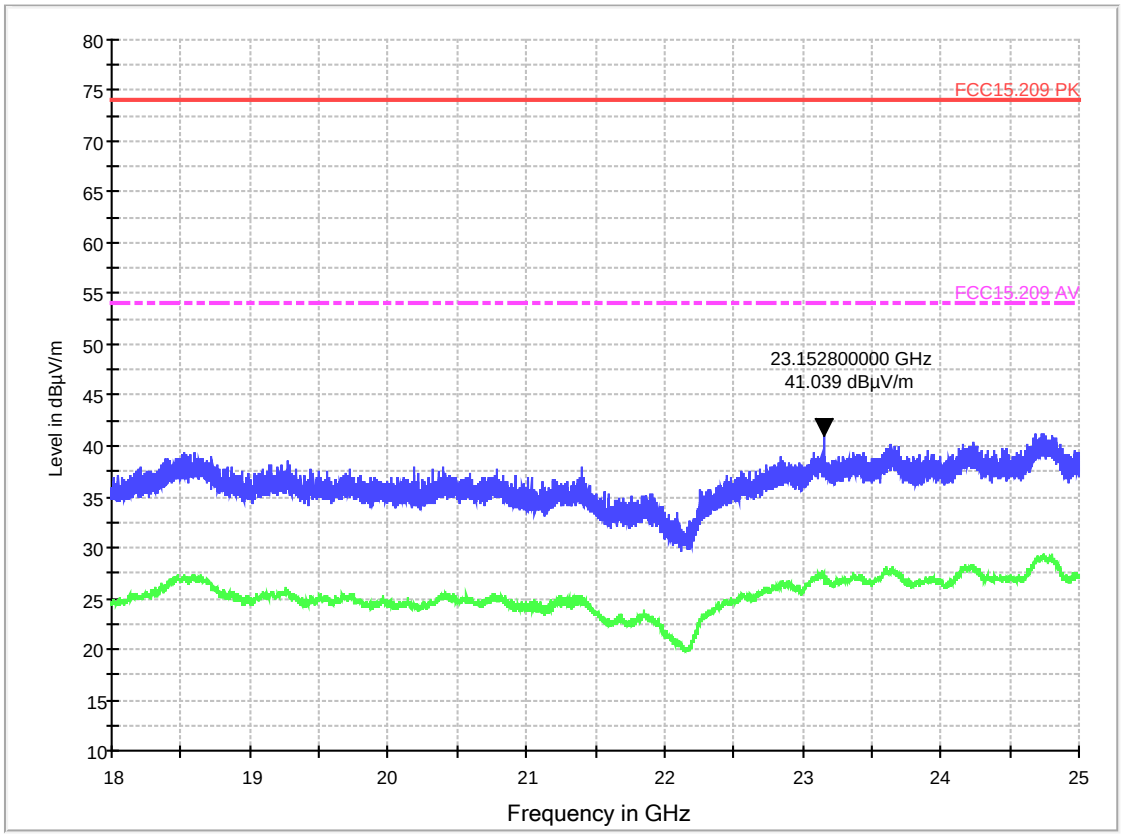
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous
Operator Name:	TFr
Comment:	DH1 | GFSK 1Mbps | 00

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

EMI Scan_18_25GHz_Pre



4.02b_BT_2-DH5_ pi-4-DQPSK_Ch39

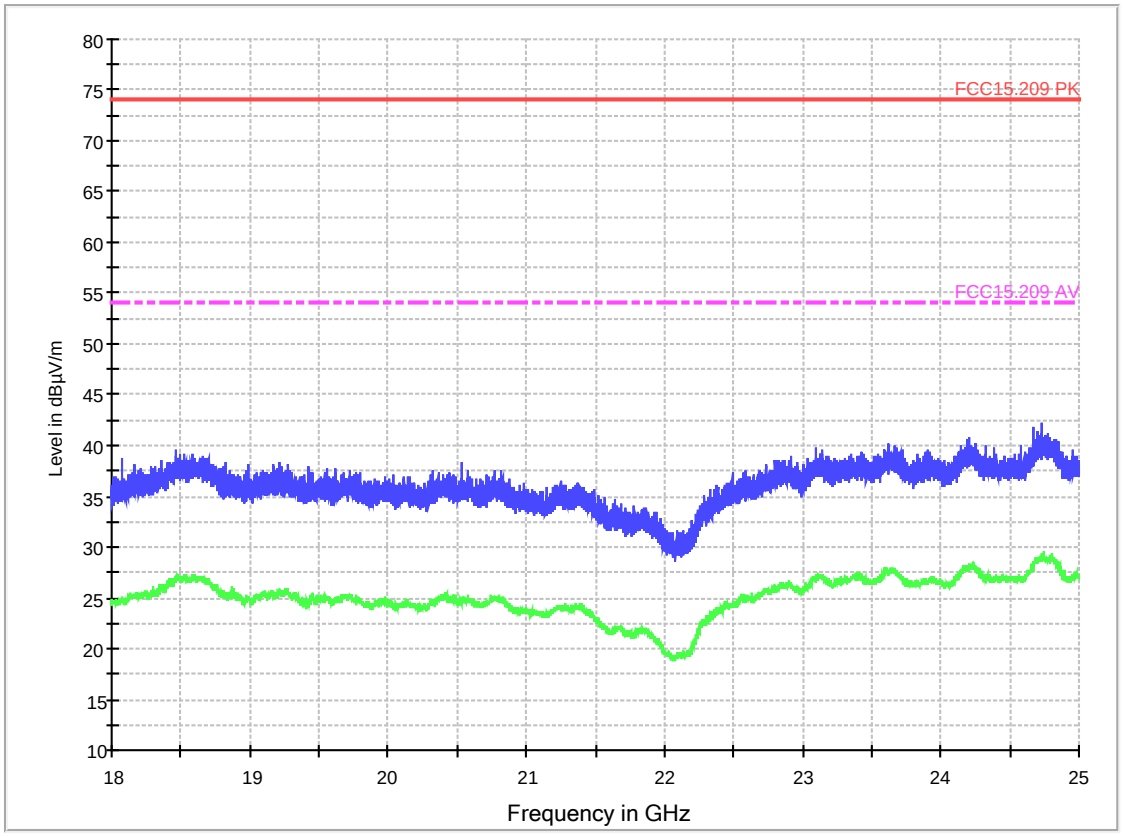
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous
Operator Name:	TFr
Comment:	2-DH5 | ?/4-DQPSK 3Mbps| 39

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

EMI Scan_18_25GHz_Pre



4.03b_BT_3-DH3_ 8DQPSK_Ch78

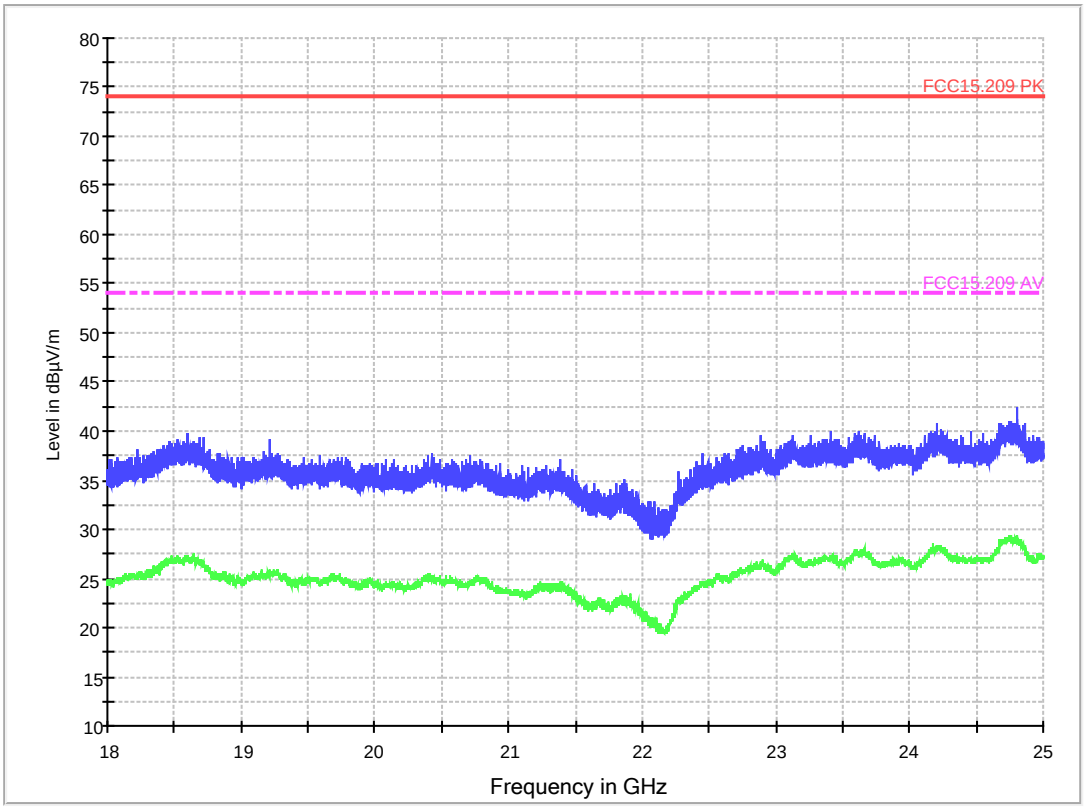
Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	TX mode continuous
Operator Nanme:	TFr
Comment:	3-DH3 | 8DQPSK 3Mbps| 78

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-

EMI Scan_18_25GHz_Pre



3. Radiated Band-Edge Measurements

3.1. BR Mode-GFSK-Low Channel 2402 MHz (2.4 GHz ISM: left band edge)

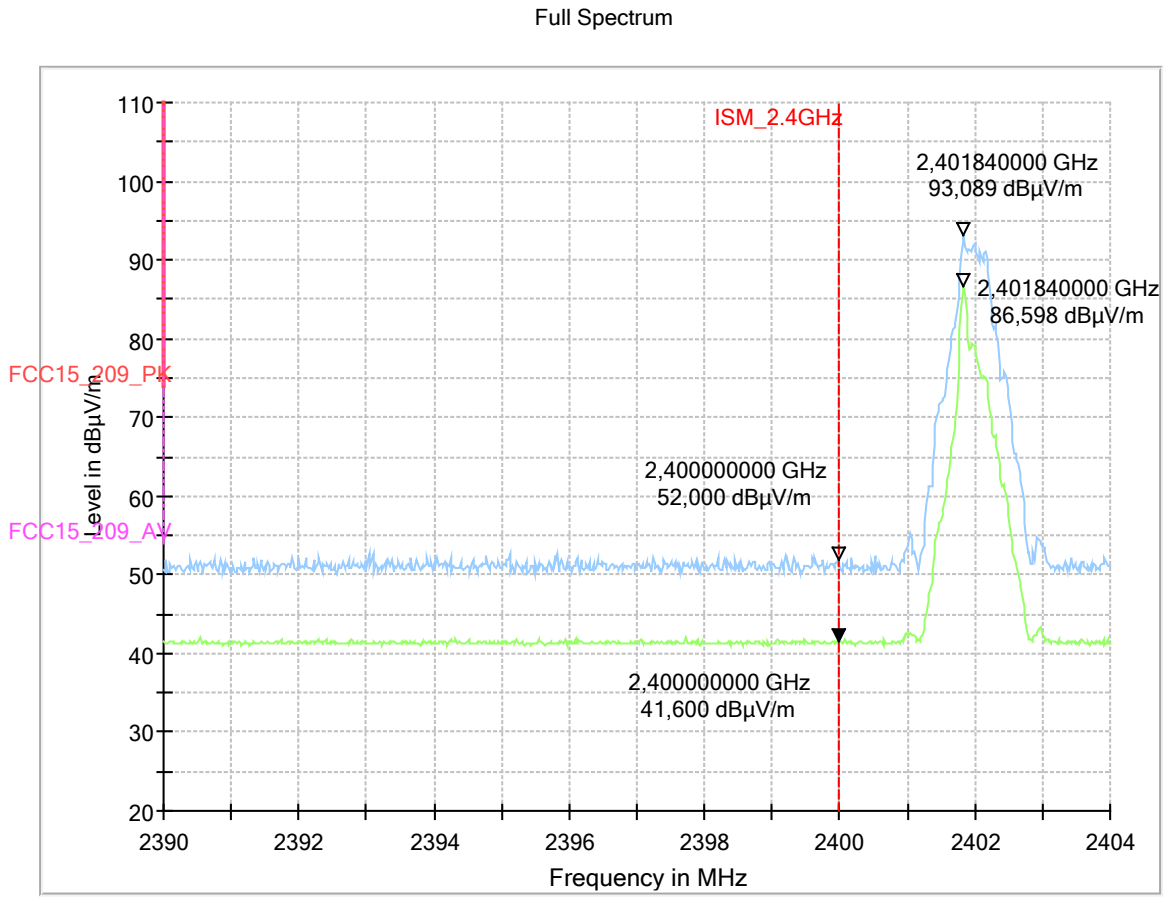
9.01_BE_BT_DH1_GFSK_Ch00

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. low/high
Comment2:	Modulation Type: GFSK Data Rate: 1 Mbps

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



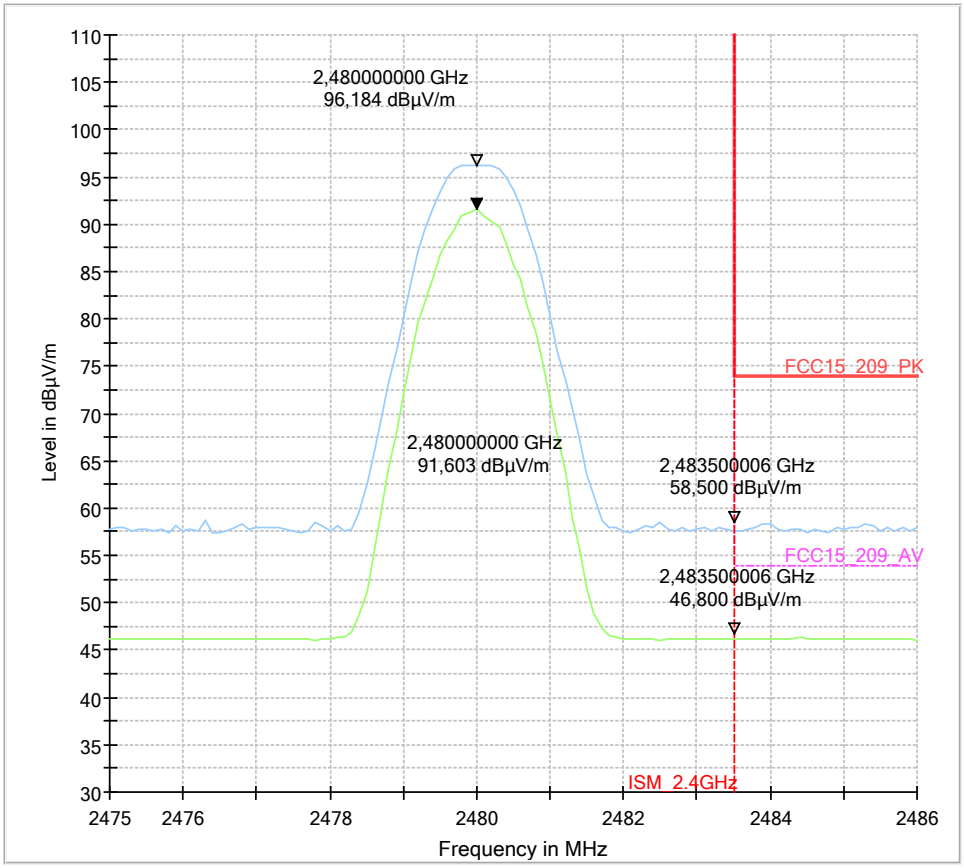
3.2. BR Mode-GFSK-High Channel 2480 MHz (2.4 GHz ISM: right band edge)
9.02_BE_BT_DH1_GFSK_Ch78

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	KIv
Comment:	Channel no. 78
Comment2:	DH1 | GFSK 1Mbps | 78

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
----------	----------
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



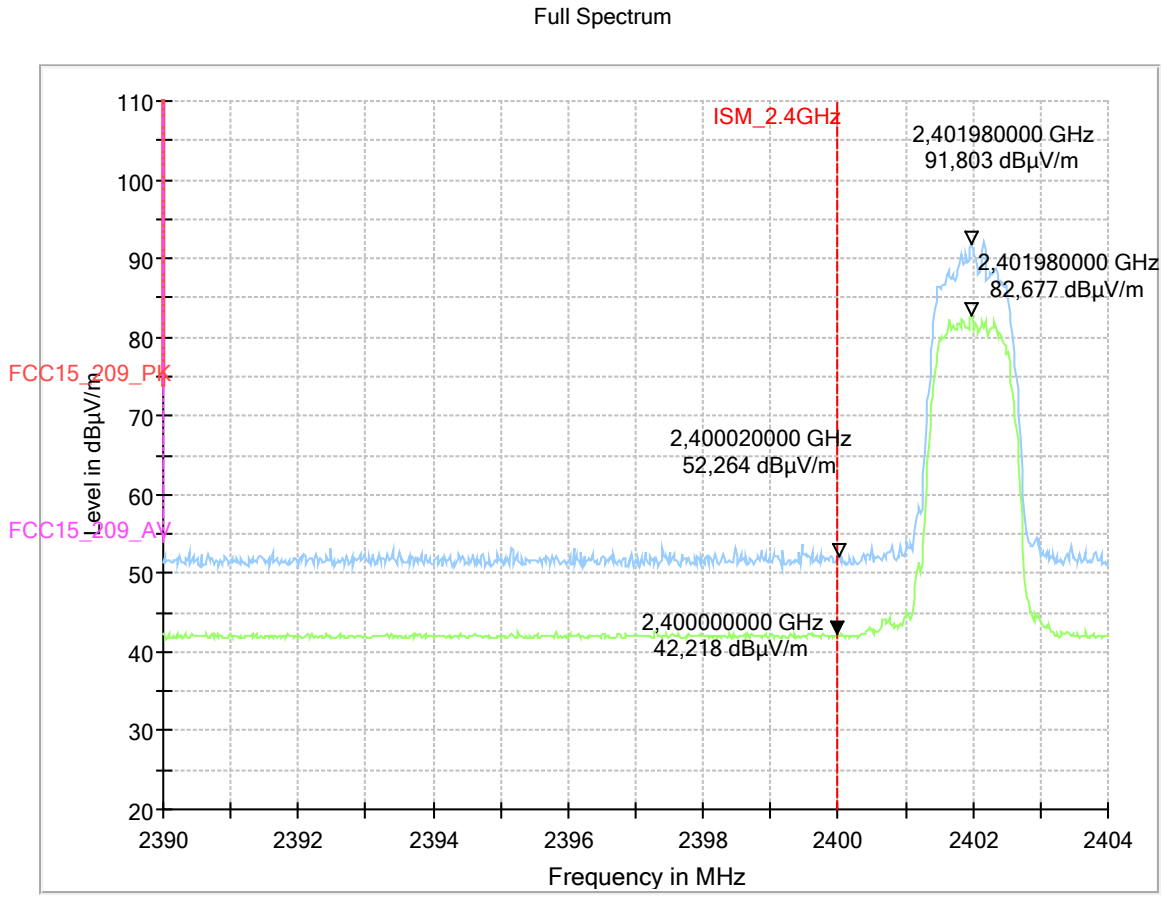
3.3. EDR Mode-π/4 DQPSK-Low Channel 2402 MHz (2.4 GHz ISM: left band edge)
9.03_BE_BT_2DH5_pi-4-QPSK_Ch00

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	KIv
Comment:	Channel no. 00
Comment2:	Modulation Type: pi-4_DQPSK Data Rate: 2DH5

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
---	---
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



3.4. EDR Mode-π/4 DQPSK -High Channel 2480 MHz (2.4 GHz ISM: right band edge)

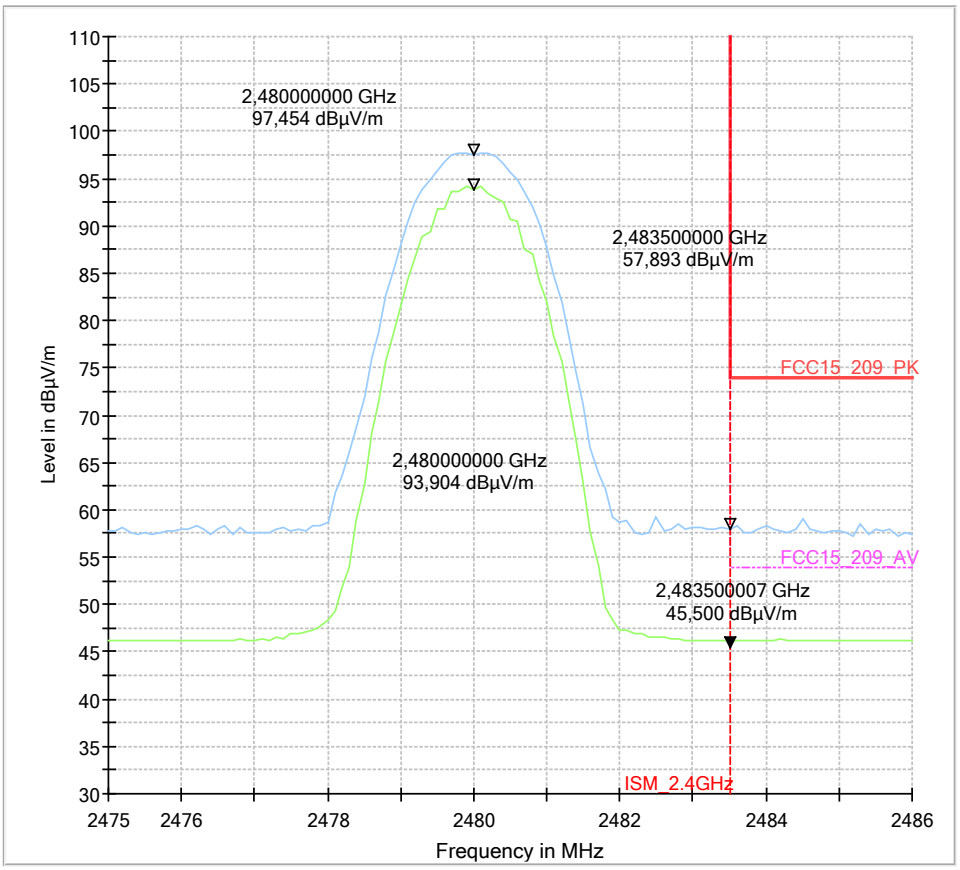
9.04_BE_BT_2DH5_ pi-4_DQPSK_Ch78

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	KIv
Comment:	Channel no. 78
Comment2:	Modulation Type: pi-4-DQPSK Data Rate: 2-DH5

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
----------	----------
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



3.5. EDR Mode-8DPSK-Low Channel 2402 MHz (2.4 GHz ISM: left band edge)

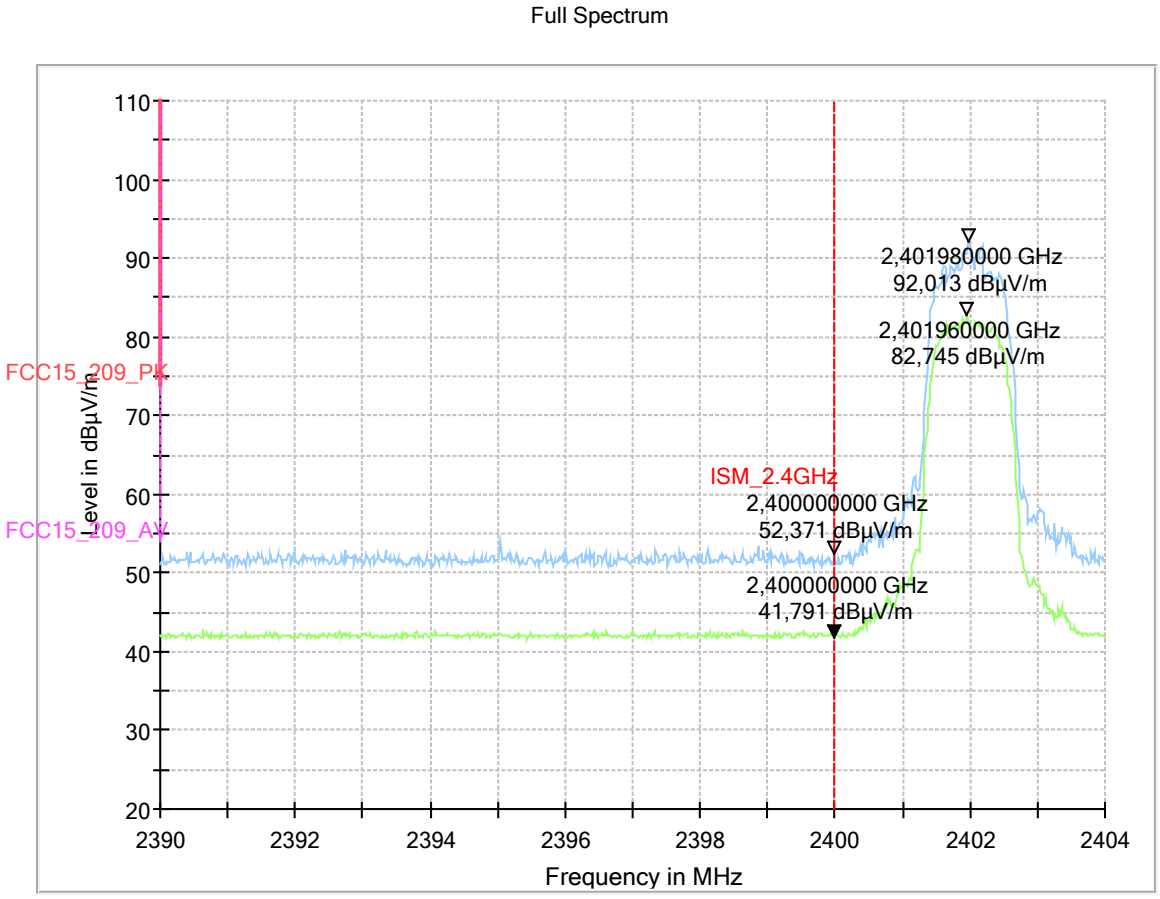
9.05_BT_3-DH3_ 8DQPSK_Ch00

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	KIv
Comment:	Channel no. 00
Comment2:	Modulation Type: pi-8_DQPSK Data Rate: 3DH3

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
----------	----------
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-



3.6. EDR Mode-8DPSK-High Channel 2480 MHz (2.4 GHz ISM: right band edge)

9.06_BE_BT_3-DH3_ 8DQPSK_Ch78

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions 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
Operation mode:	TX, continuous
Operator Name:	KIv
Comment:	Channel no. 78
Comment2:	Modulation Type: 8-DQPSK Data Rate:3-DH3

EUT Information

Manufacturer:	Robert Bosch Car Multimedia GmbH
Model:	AIVIP32R0
Type:	-
----------	----------
EUT:	-
HW version:	001
SW version:	X128
SVN:	-
Config:	-
Serial number:	0003629
Connected Interfaces:	-
Power Supply:	15VDC
Comments:	-