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TEST REPORT
No. AR20-0054710-01

performed in accordance with

FCC Rules: Code of Federal Regulations (CFR) no. 47
Part 15 Subpart C Section 15.247

PRODUCT	Remote medical patient monitoring by Bluetooth® low energy integrated module.
MODEL(s) TESTED	**EmbracePlus**
FCC ID	2AGGH-EMBPLUS
TRADE MARK(s)	EMPATICA

APPLICANT	EMPATICA srl VIA STENDHAL 36 I-20144 MILANO MI

Tested by	Robertino Torri *[Laboratory technician]*	
Approved by	Roberto Colombo *[Laboratory manager]*	

Revision Sheet

Release No.	Date	Revision Description
Rev. 0	2021-09-03	First edition Digital signed - AR20-0054710-01_TR_FCC 15.247_EMPATICA_EmbracePlus

1. GENERAL DATA

SAMPLE		
Samples received on	2020-07-29	**(Item(s) sampled and sent by applicant)**
IMQ reference samples	**BEM** 100475	
Samples tested No.	1	
Object under analysis recognition	**Not carried out** Except where stated, characteristics of products were taken from client description and were not verified by the laboratory	
Date of acceptance of test item	2020-07-29	
TEST LOCATION		
Testing dates	2020-07-29 ÷ 2020-08-06	
Testing laboratory.	IMQ S.p.A. - Via Quintiliano, 43 – I-20138 Milano	
Testing site	Via Quintiliano, 43 – I-20138 Milano	
ENVIRONMENTAL CONDITIONING		
Parameter	***Measured***	
Ambient Temperature	21.0 ÷ 23.0 °C	
Relative Humidity	47 ÷ 55 %	
Atmospheric Pressure	991 ÷ 1001 mbar	
The laboratory is monitored by a continuous environmental conditions measurements system. Temperature, humidity and pressure data are recorded on a weekly basis and stored in local archive.		
REMARKS		
Throughout this report a point is used as the decimal separator. The ability or reliability of this product to perform its intended function in a particular application has not been investigated. Unless otherwise specified, warnings, installation instruction and/or user manual provided with the sample have been checked in Italian or English version only. IMQ declines any responsibility derived from missing or wrong information provided aside by the applicant.		

2. REFERENCE DOCUMENT

DOCUMENT		DATE	TITLE
☒	47 CFR Part 15	2015	Radio Frequency Device
☒	ANSI C63.4	2014	American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
☒	ANSI C63.10	2013	American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices

3. EQUIPMENT UNDER TEST (EUT) DETAILS

GENERAL DATA (according to manufacturer declaration)

MODEL (basic)	Description
EmbracePlus	Remote medical patient monitoring by Bluetooth® low energy integrated module.
VARIANTS (derived)	**Description**
/	/

FCC ID	2AGGH-EMBPLUS

Manufacturer	EMPATICA srl - VIA STENDHAL 36 - I-20144 MILANO MI

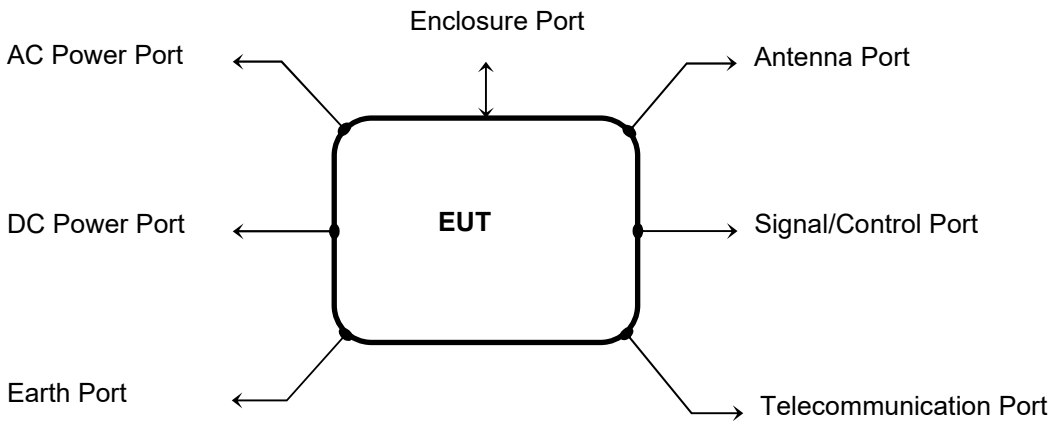
Type of equipment	DTS - Digital transmission equipment (Bluetooth® Low Energy module)
Operating frequency	2400 ÷ 2483.5 MHz
Max RF radiated power	81.58dBµV/m @3m
Modulation	GFSK
Channel	40 channel, 2MHz spaced from 2402 to 2480MHz
Antenna	Dedicated
Remarks	None

Frequency and Channel list

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
1(lower)	**2402**	2	2404	3	2406	4	2408
5	2410	6	2412	7	2414	8	2416
9	2418	10	2416	11	2422	12	2424
13	2426	14	2420	15	2430	16	2432
17	2434	18	2424	19	2438	**20(middle)**	**2440**
21	2442	22	2428	23	2446	24	2448
25	2450	26	2432	27	2454	28	2456
29	2458	30	2436	31	2462	32	2464
33	2466	34	2440	35	2470	36	2472
37	2474	38	2444	39	2478	**40(higher)**	**2480**

4. TEST CONFIGURATION OF EQUIPMENT UNDER TEST

EUT PORTS



Port	Description	Max length
Enclosure	Plastic	/
AC power	/	/
DC power	3.8 V DC (by internal battery)	/
Signal/ Control	/	/
Antenna	Integrated	/

STATE OF THE EUT DURING TESTS

Ref.	Transmission Mode	Description
#1	CW	Continuous unmodulated transmission mode (constant tone)
#2	Modulated	Continuous modulated transmission (PBRS9 duty cycle close to 100%)

SUPPORT EQUIPMENT

Defined as equipment needed for correct operation or loading of the EUT, but not considered as tested:

Equipment	Manufacturer	Model
Power supply adapter - 230 VAC/5V DC	/	PSM03E-0500-3

ELECTROMAGNETICALLY RELEVANT COMPONENTS

Component	No.	Manufacturer	Model
PCB board	1	AT&S	Custom Made
Bluetooth LE Radio Module	1	Dialog Semiconductor	DA14697

RFI SUPPRESSION DEVICES

Component	No.	Manufacturer	Model
/	/	/	/

EMI PROTECTION DEVICES

Component	No.	Manufacturer	Model
/	/	/	/

EUT TECHNICAL DOCUMENTATION

Document	Reference
/	/

5. METHODS OF MEASUREMENT

All compliance measurements have been carried out using the procedures described in the standard ANSI C63.4-2014, ANSI C63.10-2013 and Section 15.31 of CFR47 Part 15 – Subpart A (General). Additional test requirements have been adopted according to the reference Section indicated in the § 6 of this test report.
FREQUENCY RANGE INVESTIGATED
Radiated emission tests: from 9 kHz to tenth harmonic of fundamental.

6. SUMMARY OF TEST RESULTS

POSSIBLE TEST CASE VERDICTS	
Test object meets the requirement	PASS
Test object does not meet the requirement	FAIL
Test case does not apply to the test object	N.A.
Test not performed	N.P.

CFR47 Part 15	TITLE	RESULT
§ 15.203, § 15.247 (b)(4)(i)	Antenna Requirements	PASS
§ 15.207 (a)	Conducted Emission	PASS
§ 15.209 (a) (f)	Radiated Emission	PASS
§ 15.247 (a)	Frequency Hopping Spread Spectrum Specifications	
§ 15.247(a)	20 dB Bandwidth	N.A.[1]
§ 15.247(a)(1)	Carrier frequency (Hopping Channel) Separation	N.A.[1]
§ 15.247(a)(1)(iii)	Number of Hopping Channels Used	N.A.[1]
§ 15.247(a)(1)(iii)	Channel occupancy time	N.A.[1]
§ 15.247(a)(2)	6dB Minimum Bandwidth	PASS
§ 15.247(b)	Maximum Peak Output Power	
§ 15.247(b) (1)	Peak Output Power	N.A.
§ 15.247(b) (3)	RF power output, radiated (EIRP)	PASS
§ 15.247(b) (4)	Antenna gain	N.A.
§ 15.247(c)	Operation with directional antenna gains greater than 6 dBi	N.A.
§ 15.247 (d)	100 kHz Bandwidth of Frequency Band Edges	PASS
§ 15.247 (d)	Radiated Emission	PASS
§ 15.247 (e)	Power Spectral Density	PASS
§ 15.247 (f)	Hybrid systems	N.A.[1]
§ 15.247 (g)	FHSS Transmission characteristics	N.A.[1]
§ 15.247 (h)	Recognition of occupied channel and multiple transmission	N.A.[1]

Note 1	Not applicable for DTS equipment

7. TEST RESULTS

7.1 ANTENNA REQUIREMENTS

TEST REQUIREMENT
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of Sections 15.211, 15.213, 15.217, 15.219, or 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with Section 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this Part are not exceeded.

Testing dates	2020-07-31

Antenna specifications	
N° of authorized antenna types	1
Antenna type	Dedicated
Connector type	/
Maximum total gain	/
External power amplifiers	Not present
Note: /	

TEST RESULT
The EUT meets the requirements of section 15.203 and 15.204

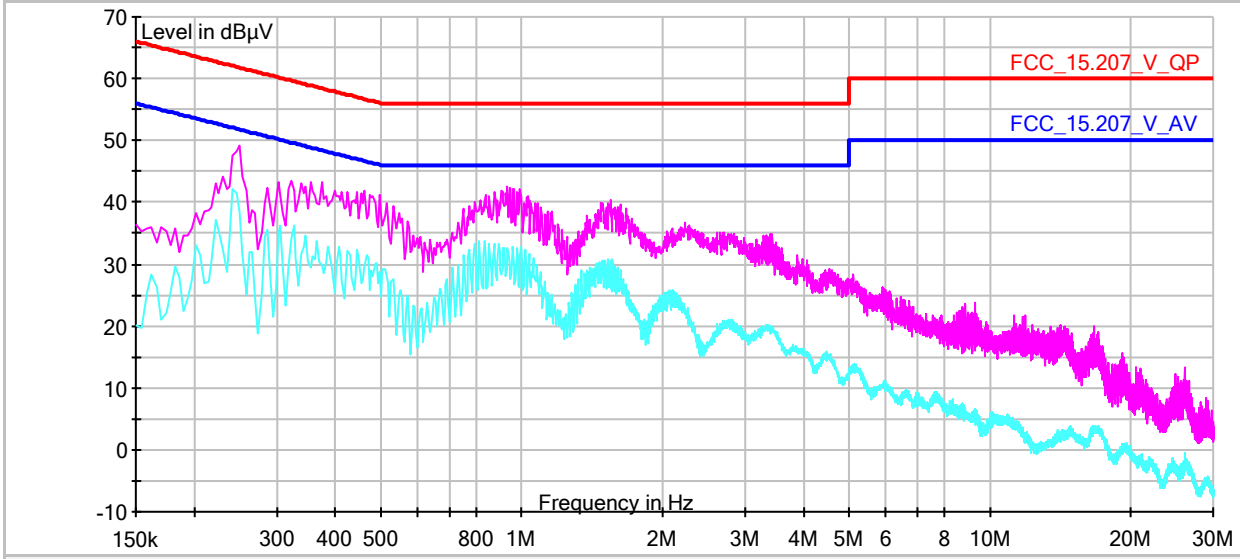
7.2 POWER LINE CONDUCTED EMISSIONS

TEST REQUIREMENT	
Test setup	ANSI C63.4
Frequency range	150 kHz ÷ 30 MHz
IF bandwidth	9 kHz
EMC class	B
Limits	sections 15.207 (a)
EUT operating condition	#2
Remark	None
Testing dates	2020-07-29

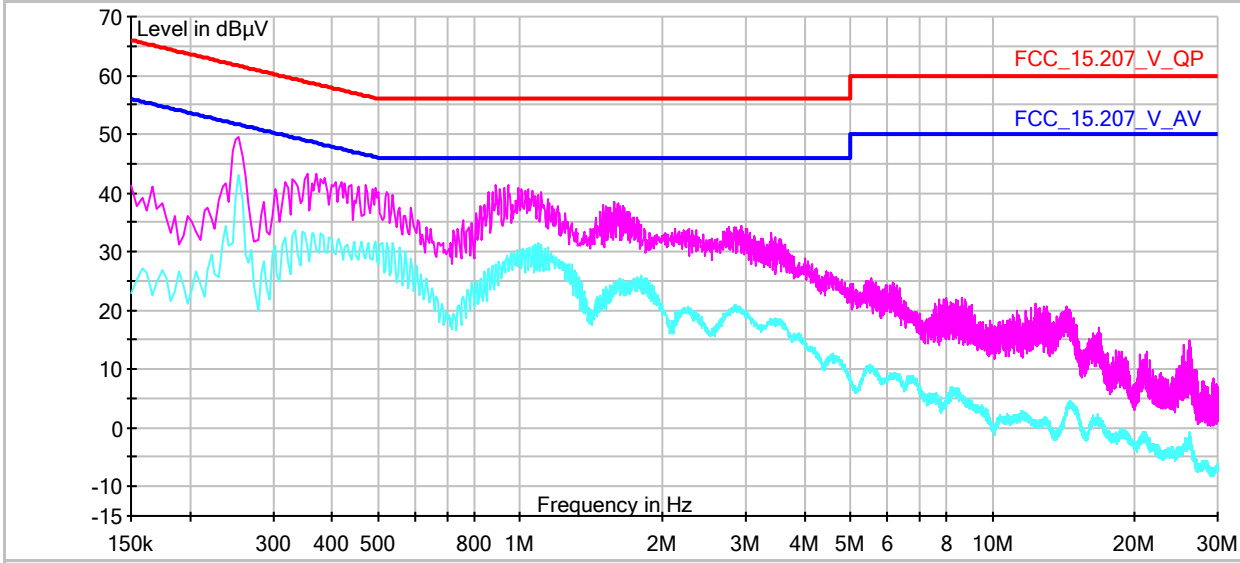
TEST RESULT
The EUT meets the requirements of sections 15.207.

TEST PROCEDURE
1) The EUT was placed on a wooden table of size, 80 cm by 80 cm, raised 80 cm in which is located 40 cm away from the vertical wall the shielded room.
2) Each EUT power cord input cord was individually connected through a 50Ω/50µH LISN to the input power source.
3) Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4) The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
5) The measurements were made with the detector set to PEAK and AVERAGE amplitude within a bandwidth of 10 kHz during the measurements.
6) The measurements with Quasi-Peak detector are performed only for frequencies for which the Peak values are ≥ (Q.P. limit - 6 dB).

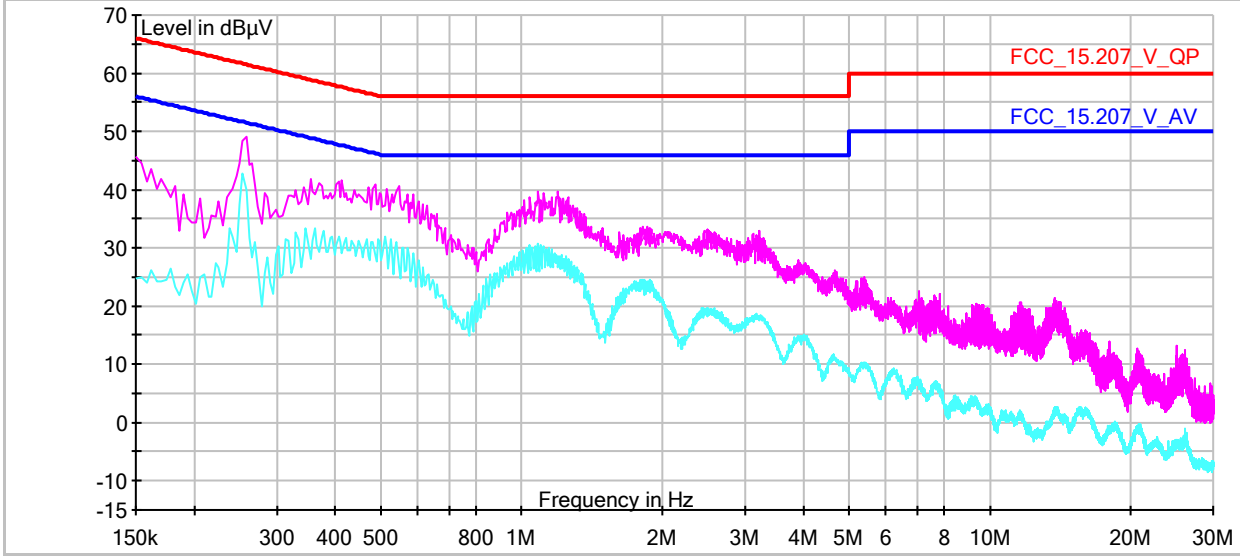
Conducted disturbance on AC mains worst case measurement result – LOWER CHANNEL



Conducted disturbance on AC mains worst case measurement result – MIDDLE CHANNEL



Conducted disturbance on AC mains worst case measurement result – HIGHER CHANNEL



7.3 RADIATED DISTURBANCES

TEST REQUIREMENT	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clauses 6.3, 6.4 and 6.6
Test facility	Semi-anechoic chamber
Test distance	3 meters
Frequency range	9 kHz to tenth harmonic of fundamental
IF bandwidth (below 30 MHz)	9 kHz
IF bandwidth (below 1,000 MHz)	120 kHz
IF bandwidth (above 1,000 MHz)	1 MHz
EMC class	B
EUT operating condition	#1 & #2
Remark: In accordance with part 15.31 (f) (2), where the measurement distance was specified to be 30 or 300 meters, a correction factor was applied in order to permit measurement to be performed at a separation distance. The applied formula for limits at 3 meter is: Extrapolation (dB) = 40log (300meter / 3meter) = +80db; Extrapolation (dB) = 40log (30meter / 3meter) = +40db	
Testing dates	2020-07-29 ÷ 2020-08-07

LIMITS		
Band of operations	**Peak (dBµV/m)**	**Average Limit (dBµV/m)**
Restricted bands (§ 15.205)	74	54
Others bands	According to 15.209	According to 15.209

TEST PROCEDURE

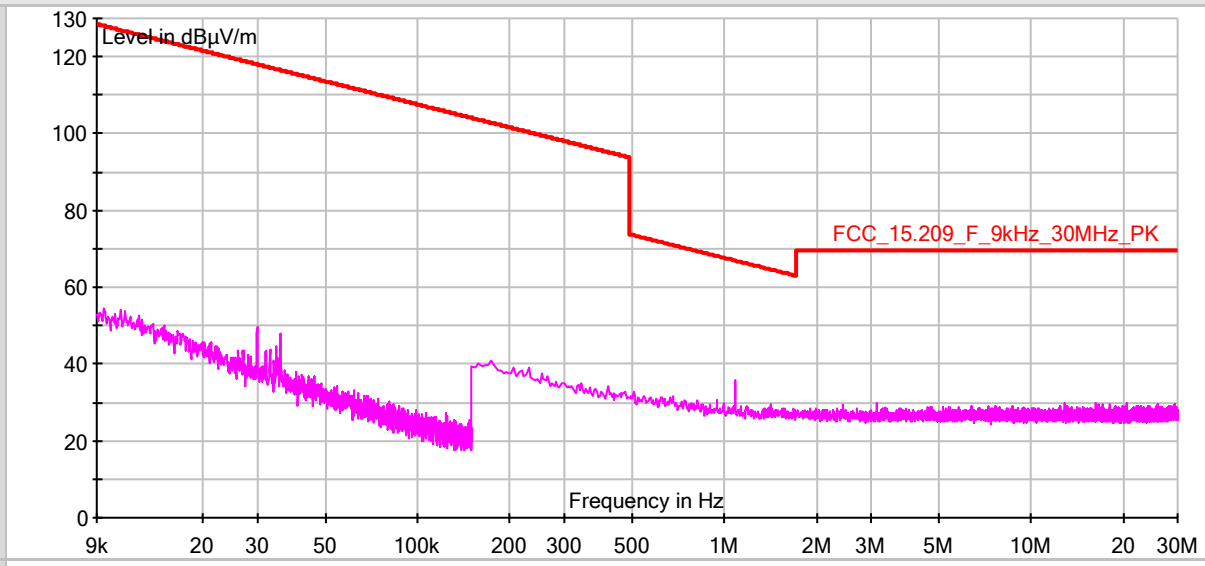
1) The EUT was placed on turntable which is 0.8 m above the ground plane
2) The turntable shall rotate from 0° to 360° degrees to determine the position of maximum emission level.
3) The EUT is positioned 3 m away from the receiving antenna, which varied from 1 to 4 m to find the highest emission.
4) The measurements were made with the detector set to PEAK and AVerage amplitude within a bandwidth of 100 kHz below 1000 MHz and 1 MHz above 1000 MHz.
5) The receiving antenna was positioned in both horizontal and vertical polarization.
6) The measurements with Quasi-Peak detector, below 1000 MHz are performed only for frequencies for which the Peak values are ≥ (Q.P. limit - 6 dB).
7) The measurements with AVerage detector, above 1000 MHz are performed only for frequencies for which the Peak values are ≥ to AVerage limit.
   For frequencies above 1GHz (up to 25GHz) exploratory measurements were carried out to identify the presence of emissions that had the highest amplitude with respect to the AV limit.
   Based on exploratory tests, emissions with a significant amplitude compared to the AV limit were identified. Only the frequencies thus identified were selected for the AV final measurements (worst case).

TEST RESULT

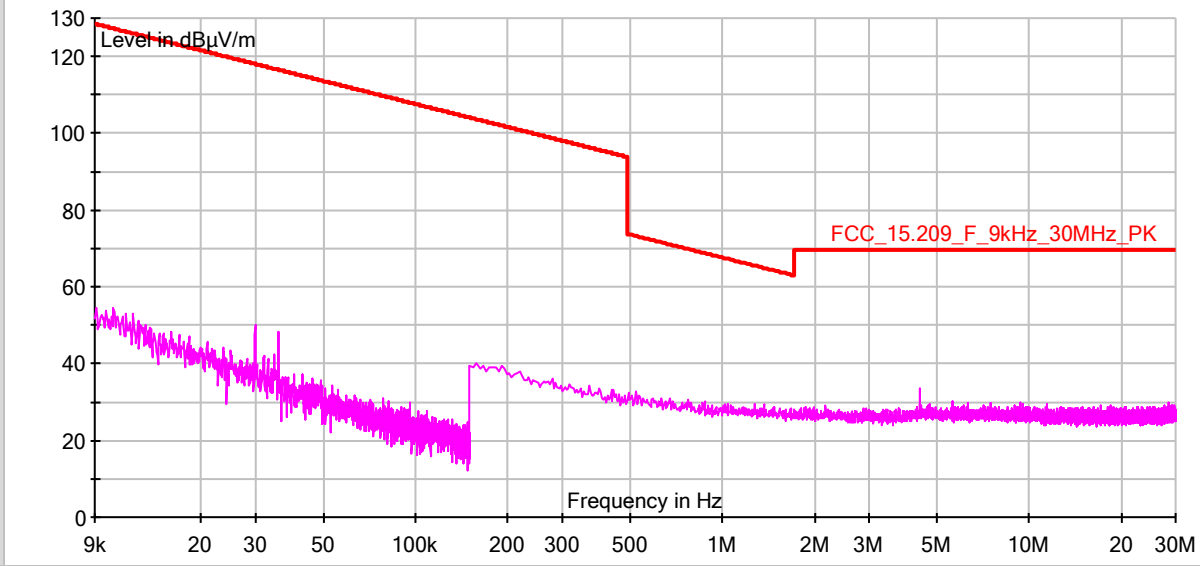
The EUT has been tested in 3 orthogonal axes at the frequencies lowest, middle and highest for each modulation.
The results reported are worst case.
The measurement of spurious emission of EUT in receiver mode is deemed to be fulfilled as no limits are exceeded in transmitter mode (condition considered more burdensome).
The EUT meets the requirements of sections 15.205 (b), 15.209 and 15.247.

Worst case measurement result 9 kHz÷30 MHz

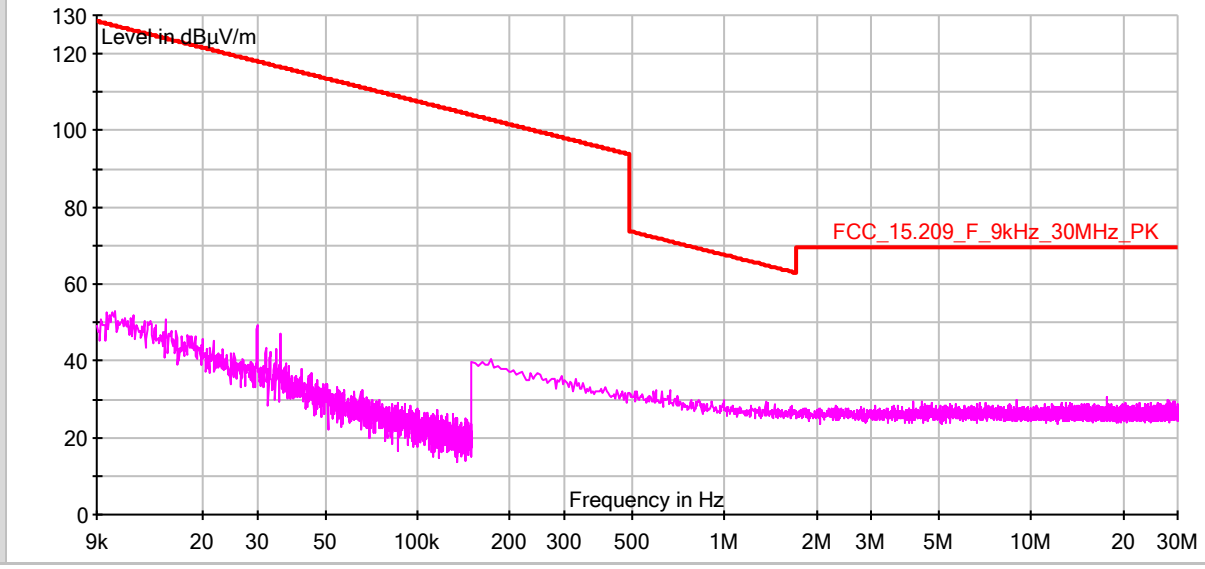
LOWER CHANNEL



MIDDLE CHANNEL

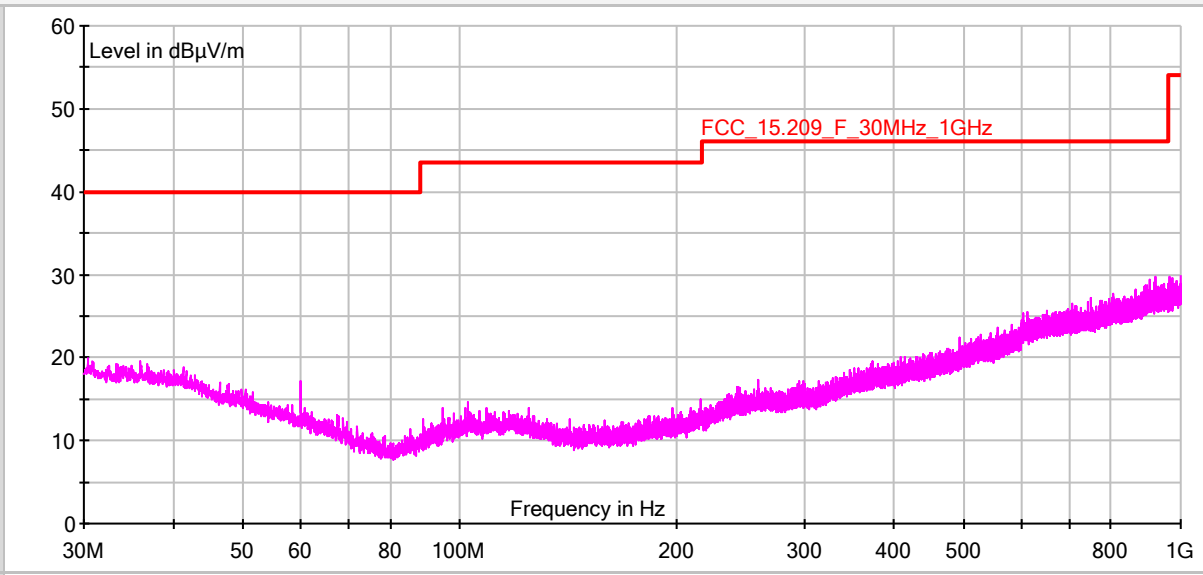


HIGHER CHANNEL

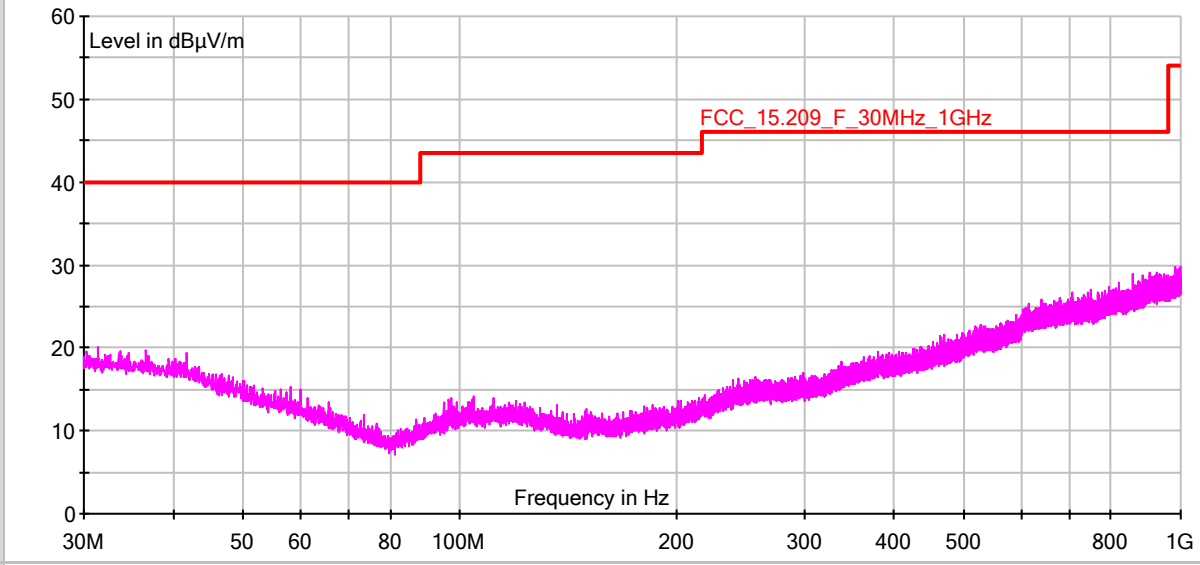


Worst case measurement result 30÷1,000 MHz

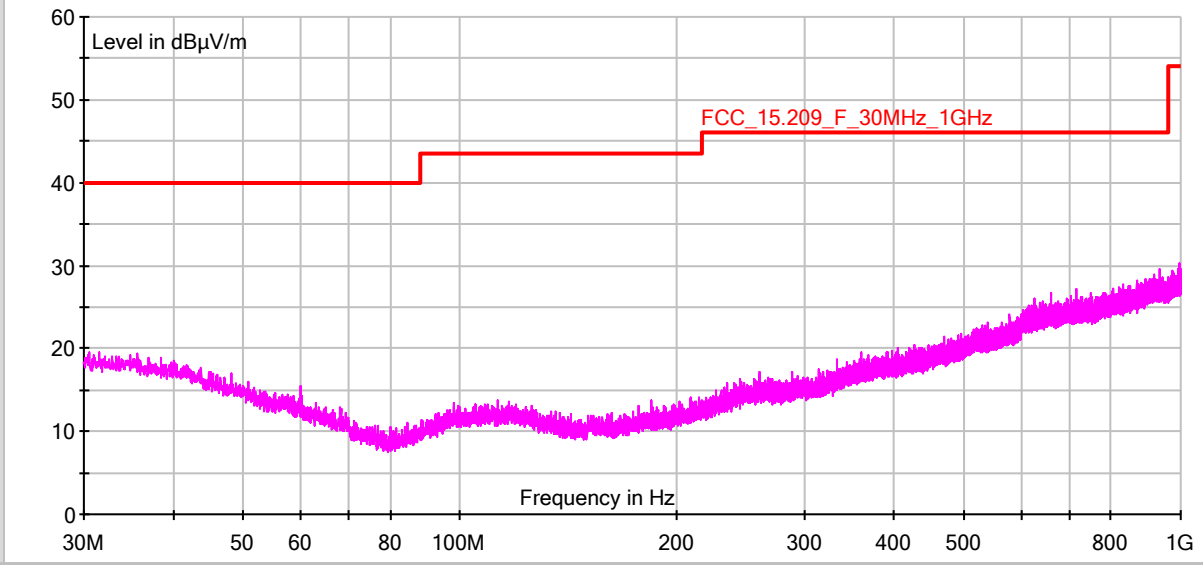
LOWER CHANNEL



MIDDLE CHANNEL



HIGHER CHANNEL



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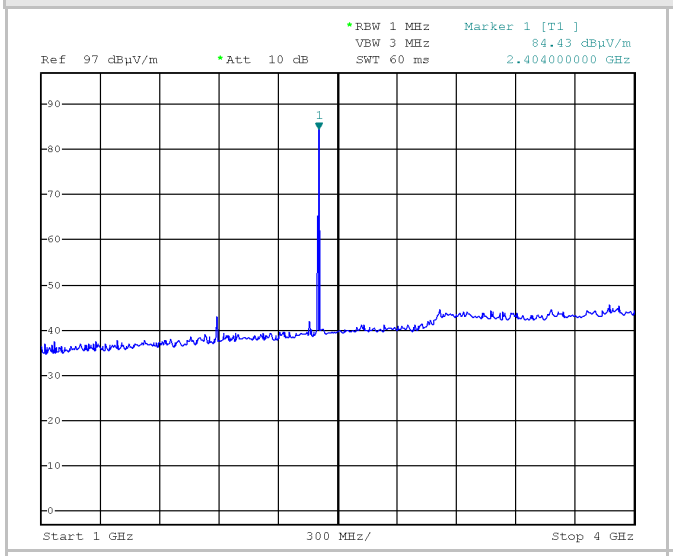
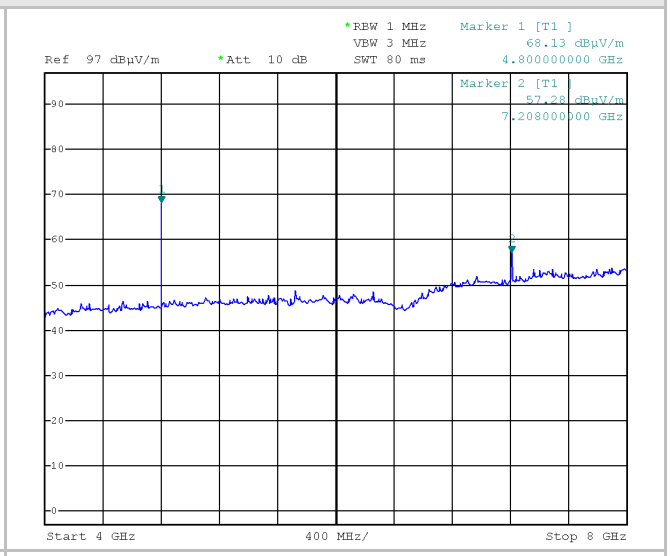
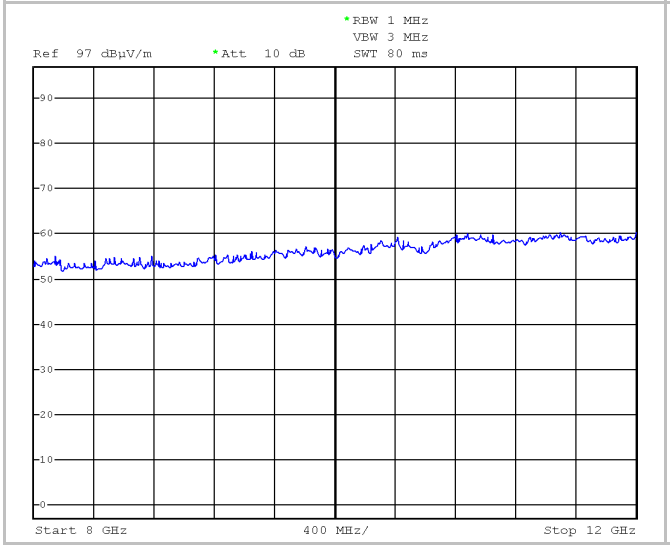
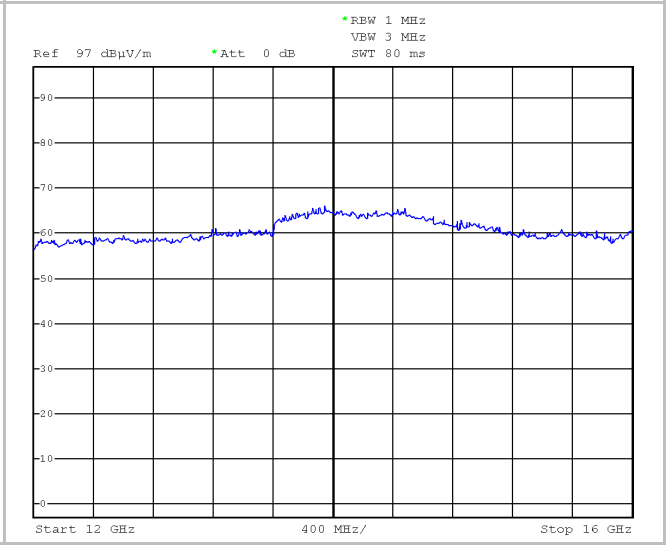
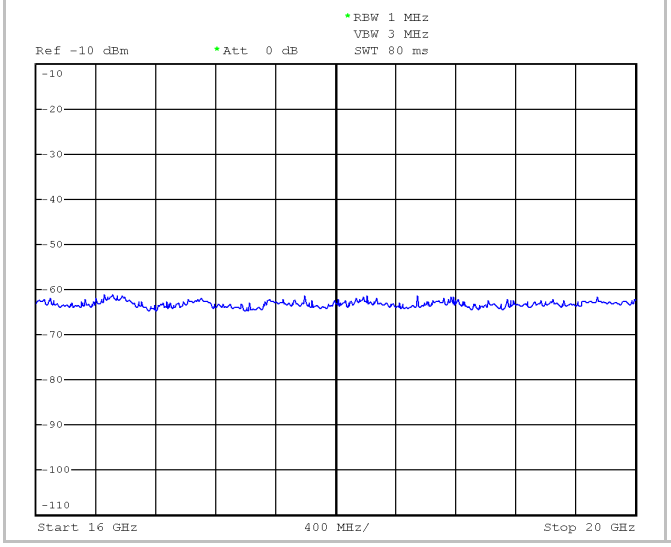
MEASUREMENTS RESULTS - CHANNEL LOWER – PEAK DETECTOR

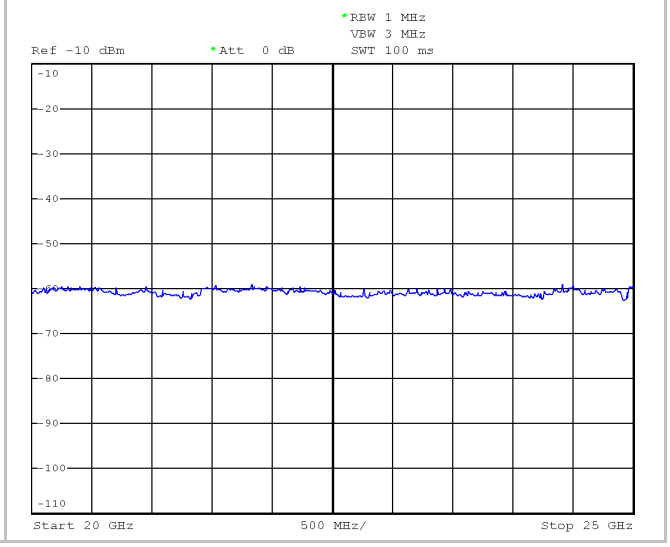












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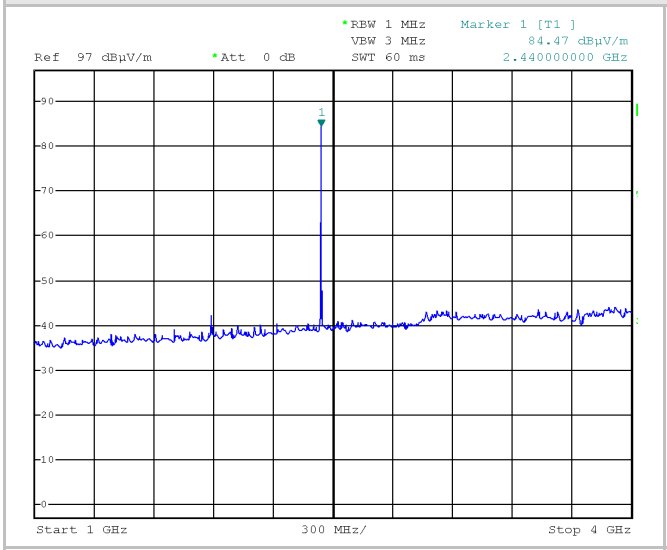
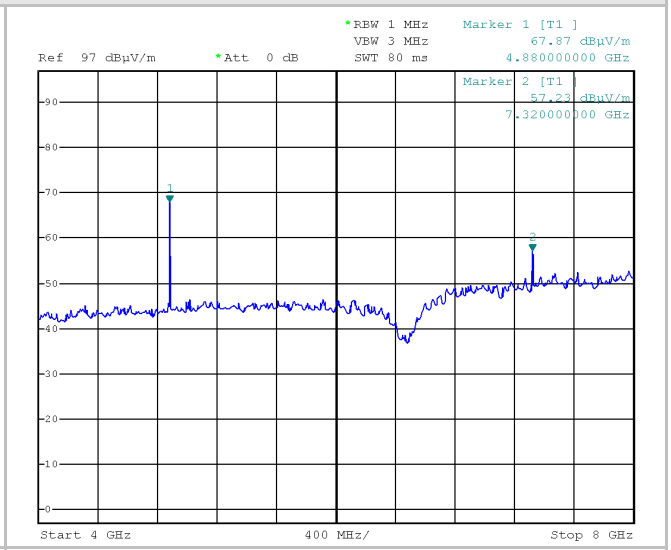
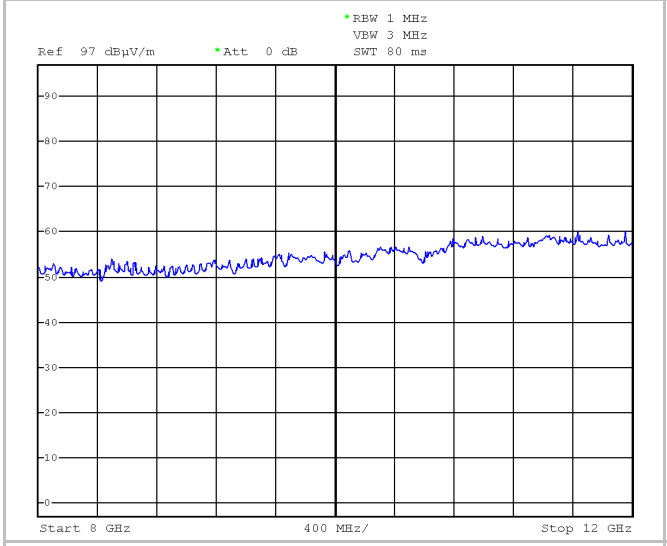
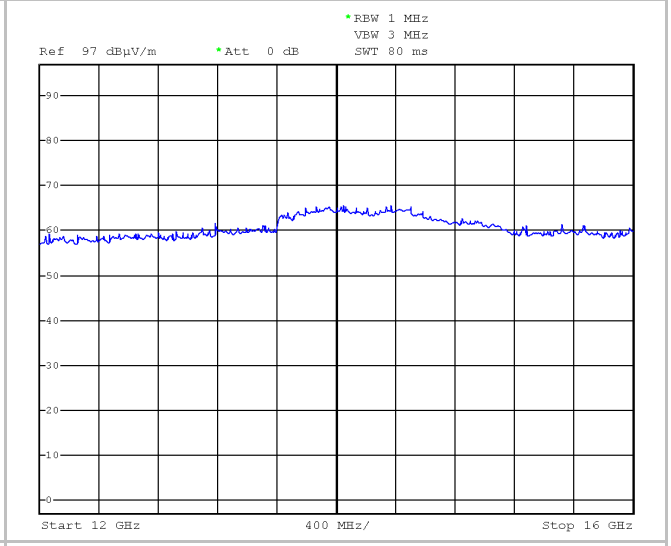
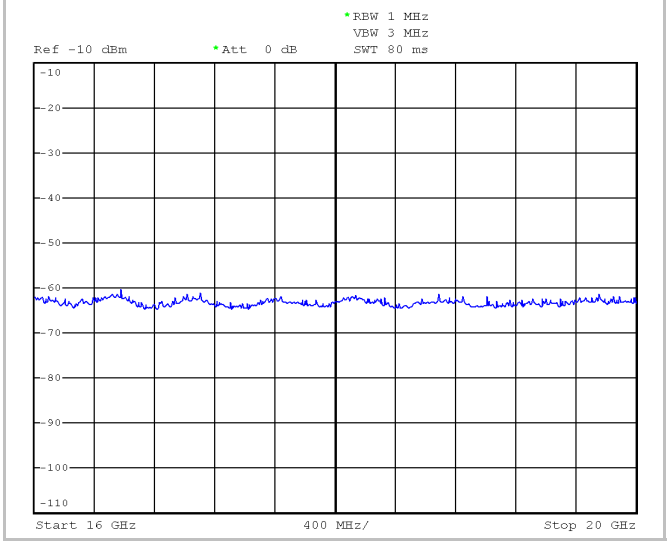
MEASUREMENTS RESULTS - CHANNEL MIDDLE – PEAK DETECTOR

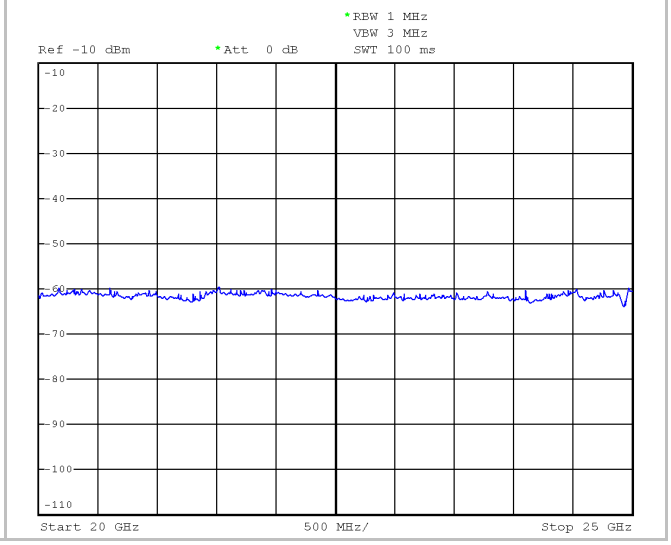




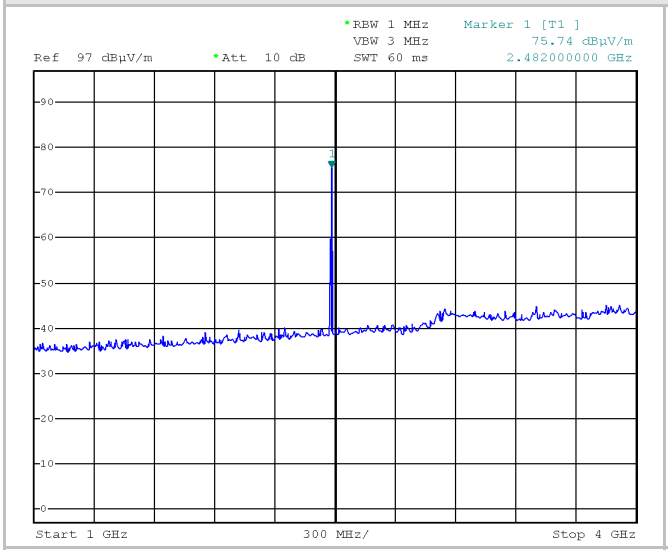


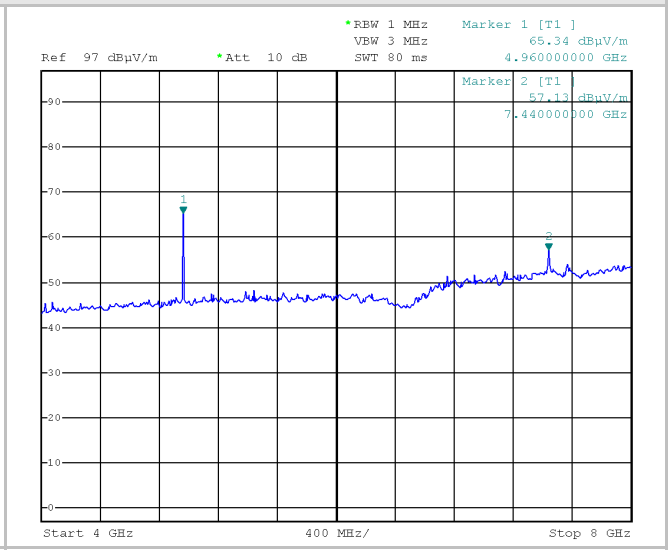


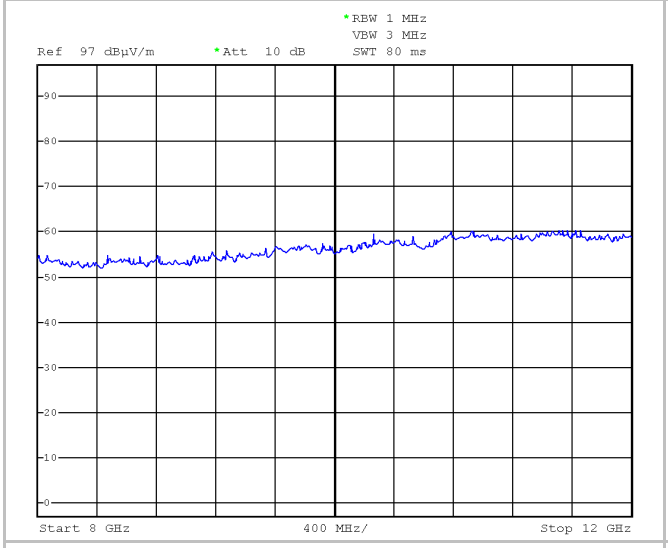


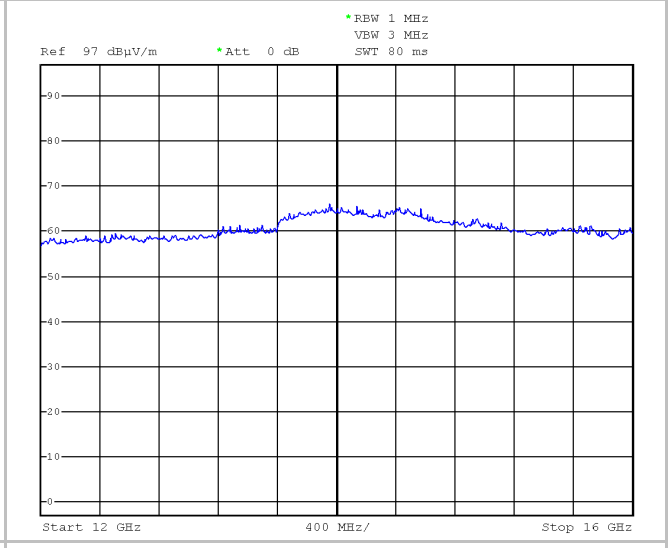


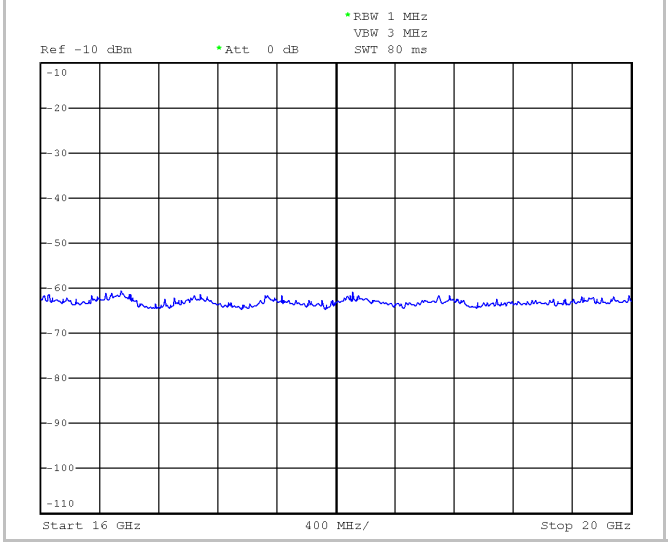
MEASUREMENTS RESULTS - CHANNEL HIGHER – PEAK DETECTOR

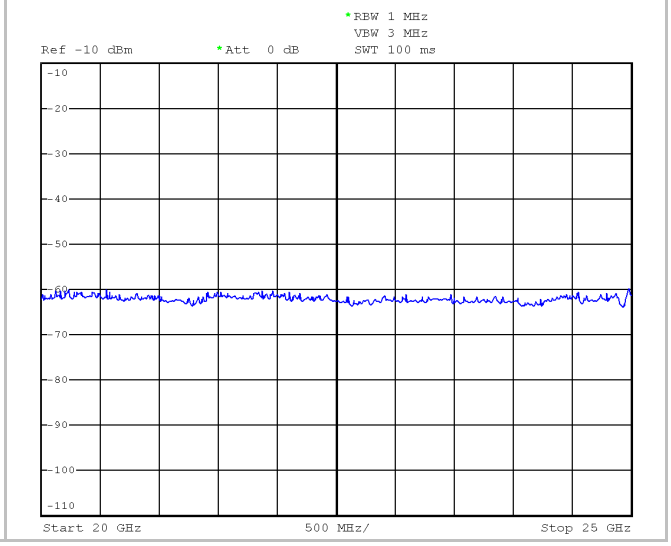






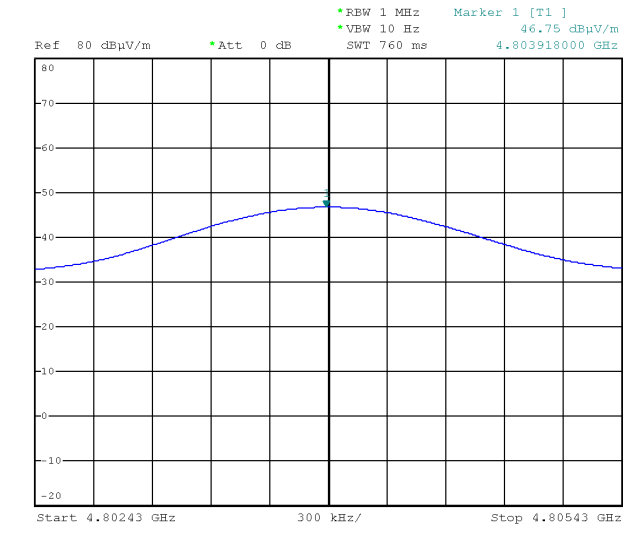


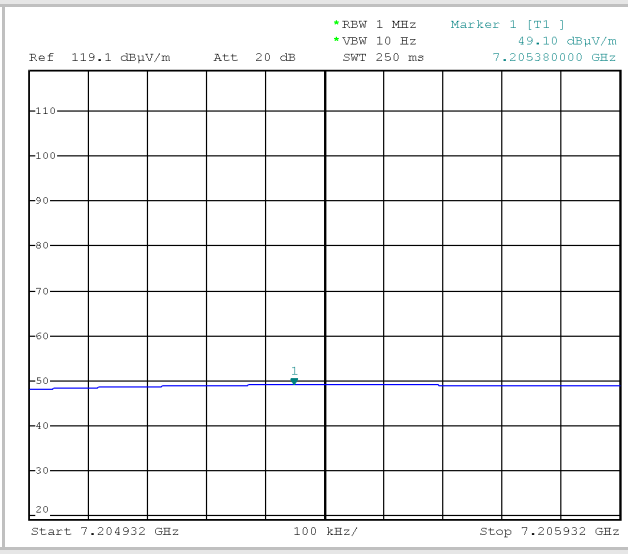




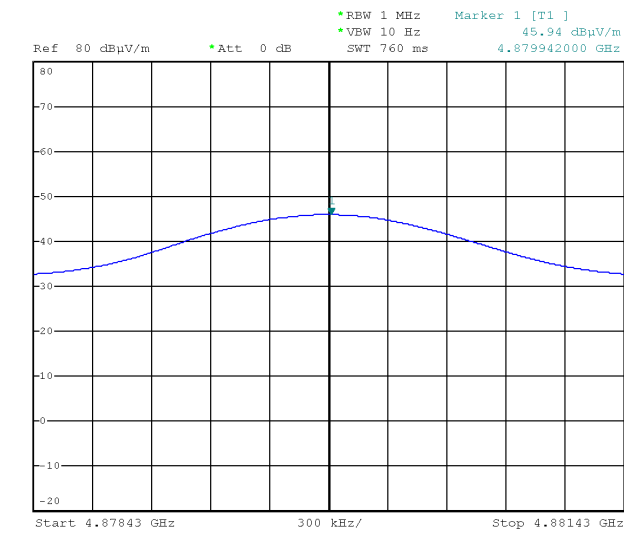
AVERAGE DETECTOR MEASUREMENTS RESULTS (WORST CASE)

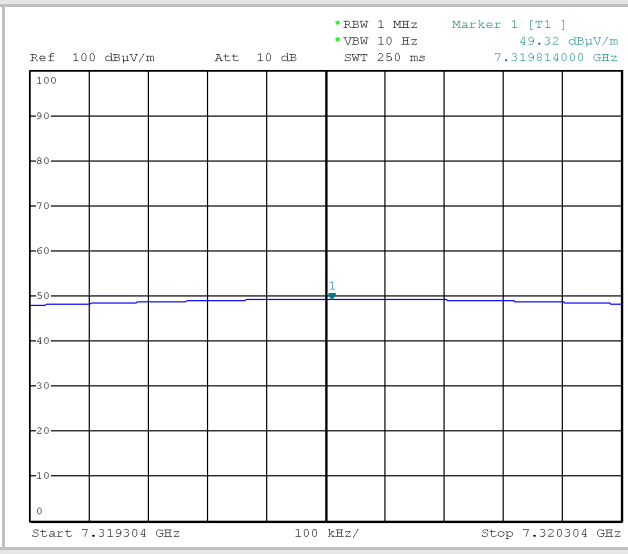
CHANNEL LOWER



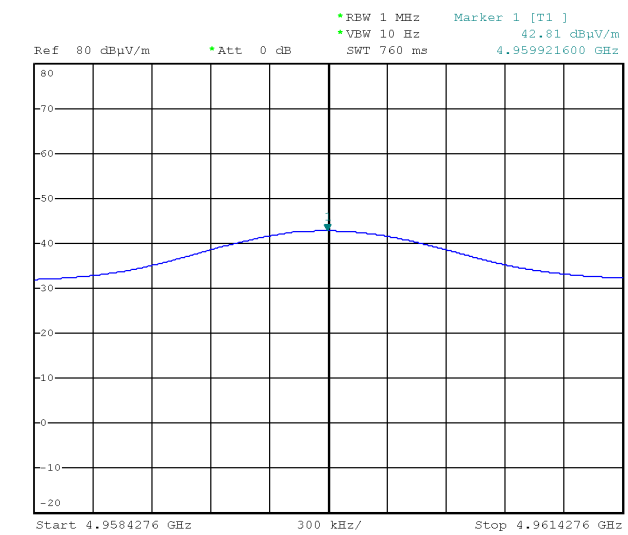


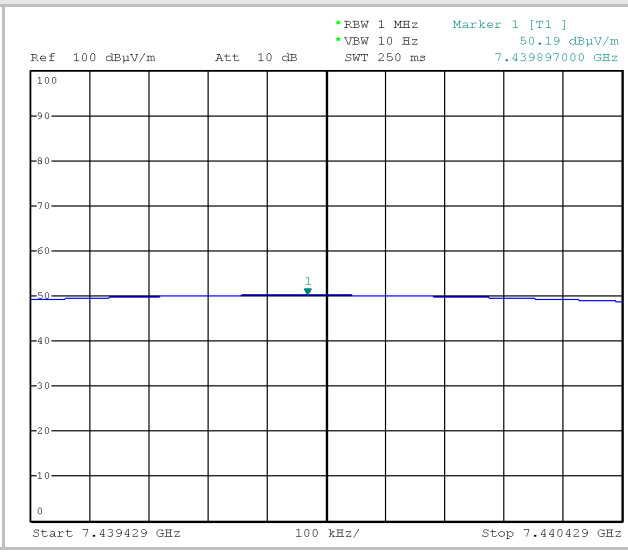
CHANNEL MIDDLE





CHANNEL HIGHER





7.4 6 dB BANDWIDTH

TEST REQUIREMENT	
Spectrum analyzer settings	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clause 11.8.1
Span	2 MHz
Resolution bandwidth (RBW)	100 kHz
Video bandwidth (VBW)	300 kHz
Sweep time (SWT)	2,5 ms
Detector function	Peak
Trace	max hold
Attenuator	/
Deviation to test procedure	None
EUT operating condition	#1
Remark	None
Testing dates	2020-07-29 ÷ 2020-07-30

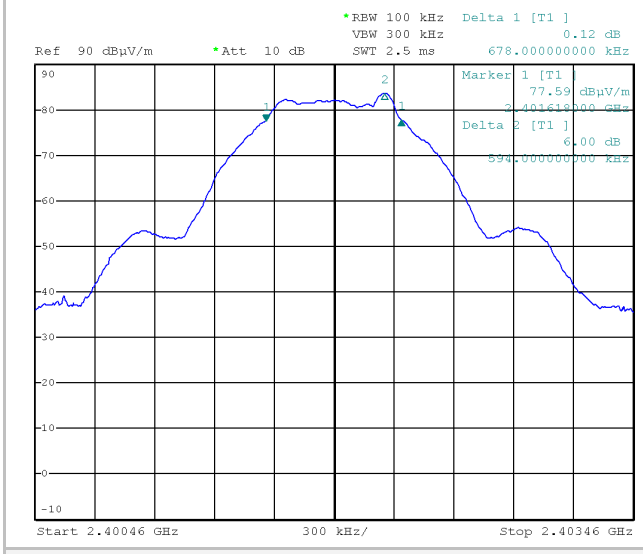
TEST RESULT
The EUT meets the requirements of sections 15.247 (a) (2)

TEST PROCEDURE
The EUT is set to transmit has its maximum data rate. The Channel bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.

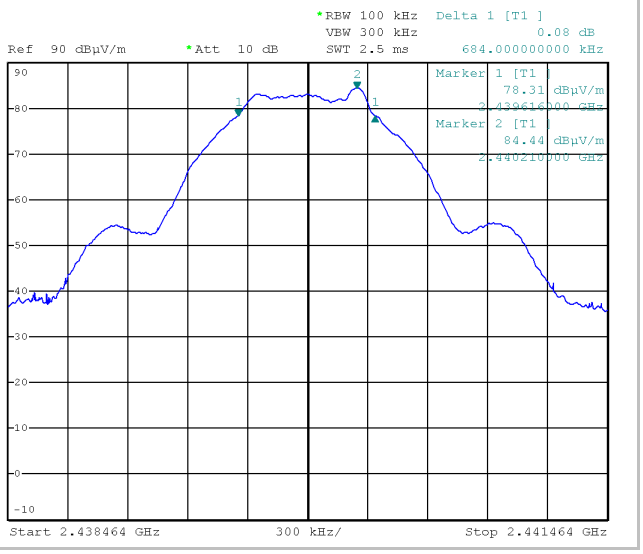
MEASUREMENTS RESULTS

Channel (No.)	Frequency (MHz)	Channel Bandwidth (kHz)	Plot (No.)
01	2402	678	1
20	2440	684	2
40	2480	696	3

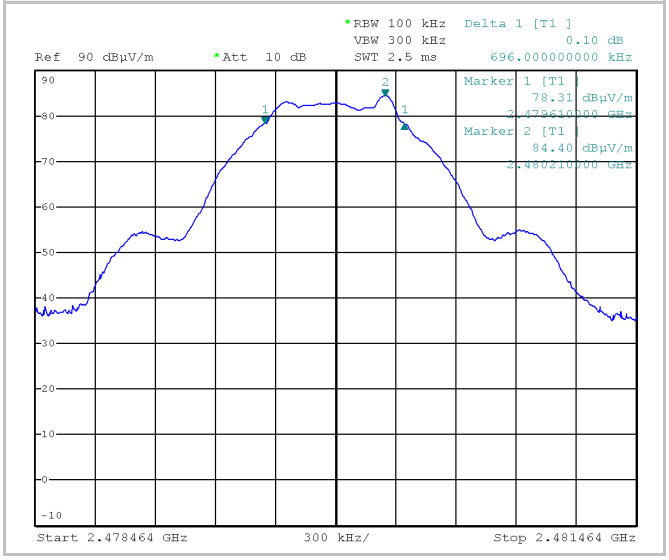
Plot 1



Plot 2



Plot 3



/

7.5 MAXIMUM PEAK OUTPUT POWER (DE FACTO EIRP)

TEST REQUIREMENT	
Spectrum analyzer settings	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clause 11.9.1.1
Resolution bandwidth (RBW)	10 MHz
Video bandwidth (VBW)	10 MHz
Sweep time (SWT)	2,5 ms
Detector function	Peak
Trace	max hold
Test distance	3 meters (for radiated measurement)
EUT operating condition	#1
Remark	None
Testing dates	2020-07-29

TEST RESULT
The EUT meets the requirements of sections 15.247 (b) (3)

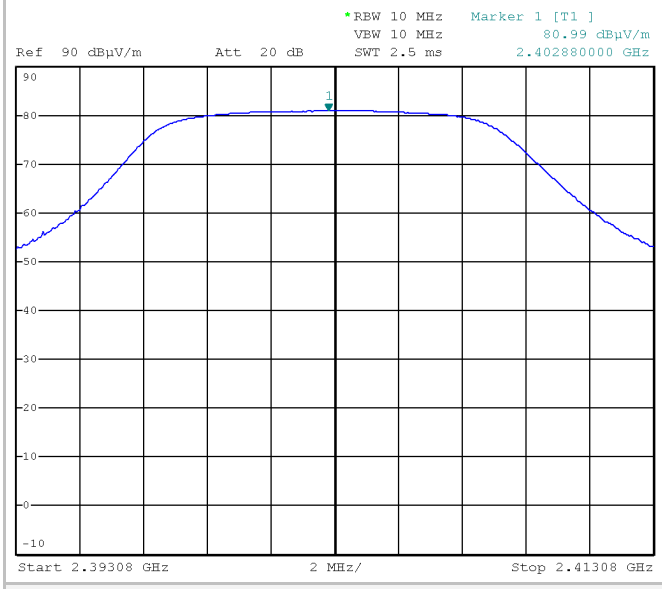
LIMITS
1 Watt (30dBm)

TEST PROCEDURE
Radiated measurements:
The effective radiated power is measured in a 3 m anechoic chamber.

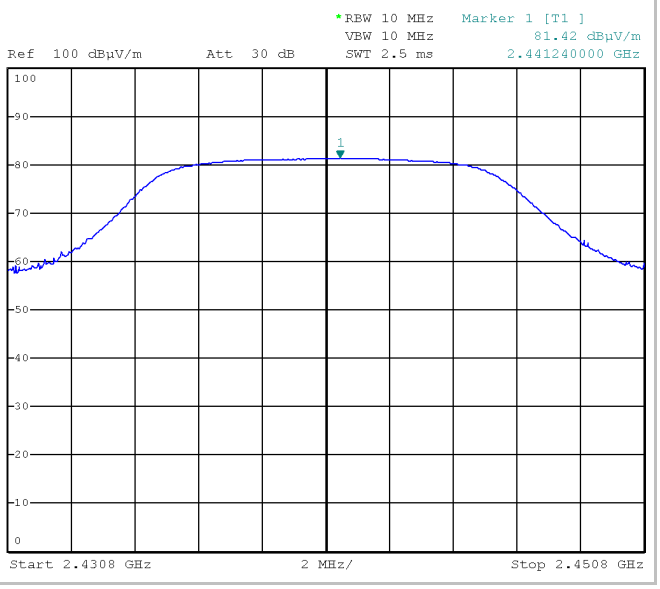
MEASUREMENTS RESULTS

Channel (No.)	Frequency (MHz)	Measured level (dBµV/m)	Measured Power (dBm)	Output Power (mW)	Plot (No.)
01	2402	80.99	-14.24	0.0377	1
20	2440	81.42	-13.81	0.0416	2
40	2480	81.58	-13.65	0.0432	3

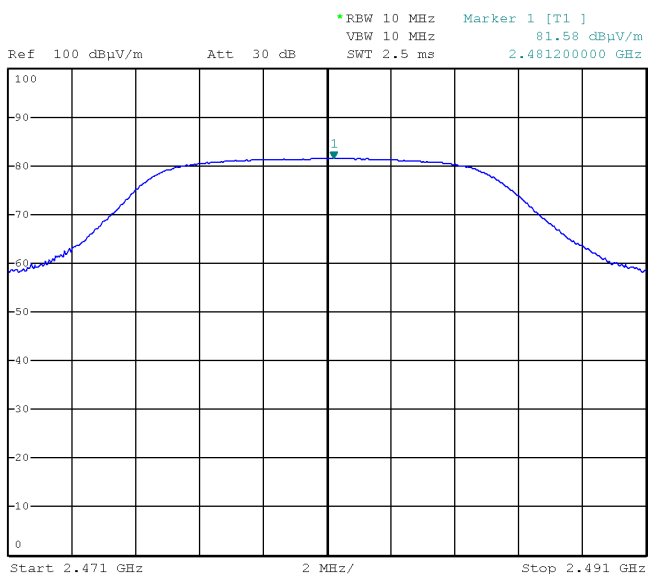
Plot 1



Plot 2



Plot 3



/

7.6 BAND-EDGE COMPLIANCE OF RF RADIATED EMISSIONS

TEST REQUIREMENT	
Spectrum analyzer settings	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clauses 11.13.3.2 and 11.13.3.5
Span	Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products which fall outside of the authorized band of operation
Resolution bandwidth (RBW)	1 MHz (100 kHz band-edge)
Video bandwidth (VBW)	1 MHz (100 kHz band-edge)
Sweep time (SWT)	Auto
Detector function	Peak
Trace	Max hold
Attenuator	/
Deviation to test procedure	None
EUT operating condition	#1
Remark	None
Testing dates	2020-07-30

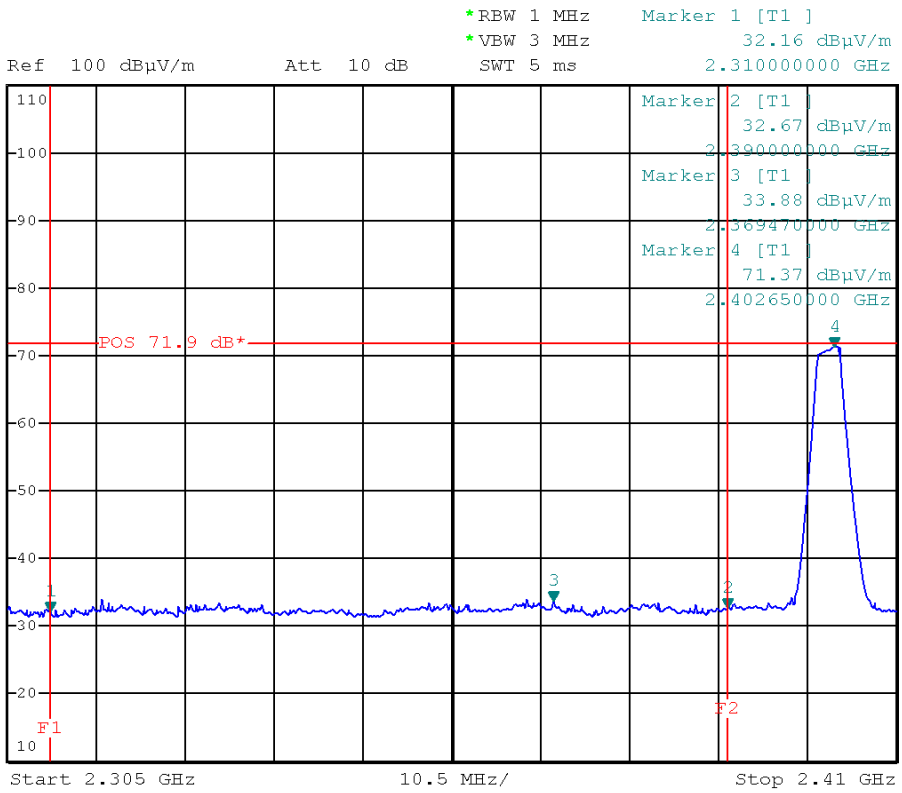
TEST RESULT
The EUT meets the requirements of sections 15.247 (d) All out of band spurious emissions are more 20 dB below the in band power of the fundamental.

LIMITS
-20 dB below peak output power

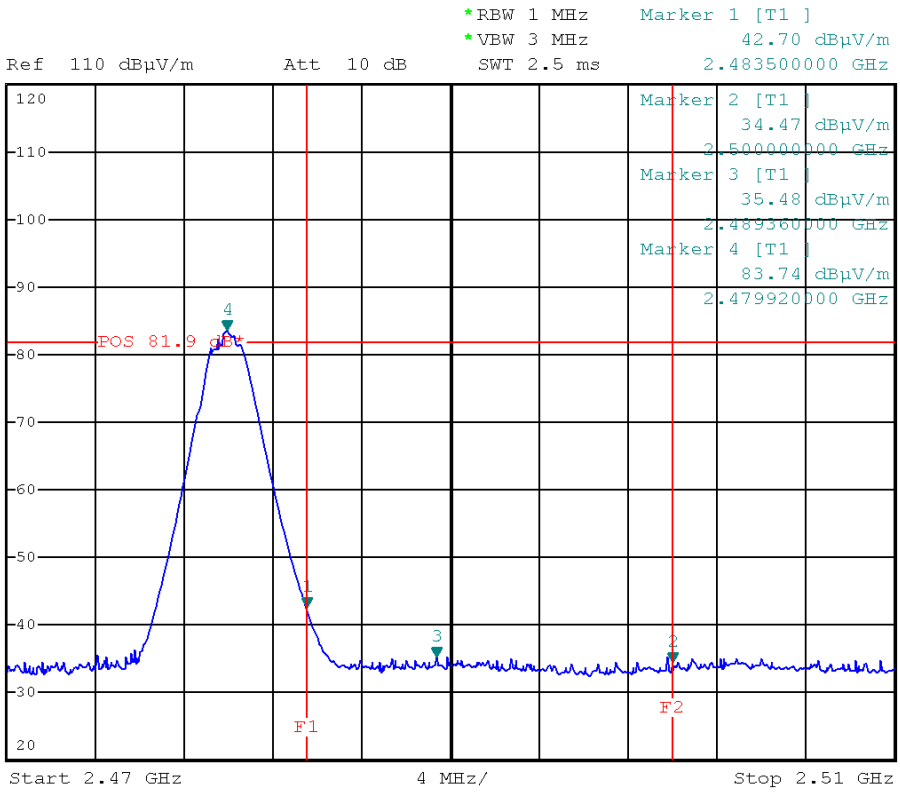
TEST PROCEDURE
Only for measuring emissions up to 2 MHz removed from the band-edge the "delta" technique for Radiated emissions was used. Delta technique: The transmitter output was connected to the spectrum analyser through a test fixture (radio frequency coupling device associated with the dedicated antenna of the equipment under test) Once the trace is stabilized, by the marker the emission at the band edge (or on the highest modulation product outside of the band, if this level is greater than that at the band edge) was set. The “n” by the marker-delta function and the marker-to-peak function the peak of the in-band emission was selected. The marker-delta value displayed was compared with the limit specified in this Section

MEASUREMENTS RESULTS

Lower Band-edge compliance



Upper Band-edge compliance



7.7 RADIATED EMISSIONS OUTSIDE THE BAND

TEST REQUIREMENT	
Spectrum analyzer settings	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clauses 11.11 and 11.12
Span	/
Resolution bandwidth (RBW)	100 kHz
Video bandwidth (VBW)	300 kHz
Sweep time (SWT)	as necessary to capture the entire dwell time
Detector function	Peak
Trace	Max hold
Attenuator	/
Deviation to test procedure	None
EUT operating condition	#1
Remark	None
Testing dates	2020-07-29 ÷ 2020-07-30

TEST RESULT
The EUT meets the requirements of sections 15.247 (d) All out of band spurious emissions are more 20 dB below the in band power of the fundamental.

LIMITS
-20 dB below peak output power

TEST PROCEDURE
As the conducted measurement cannot performed because the transmitter antenna is integrated has been carried out radiated measurement, according to KDB 558074 measurements guidance for DTS equipment. The field strength levels shall be converted to equivalent conducted power levels for comparison to the applicable output power limit refer to KDB 412172. The measure has been executed with the lowest transmit channel, the highest transmit channel and one located somewhere in the middle of the band.

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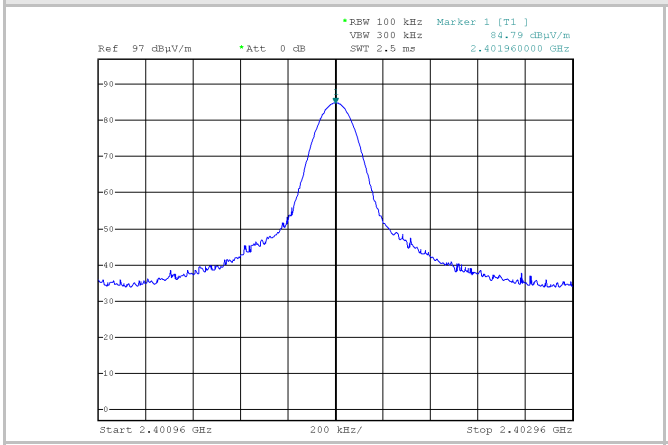
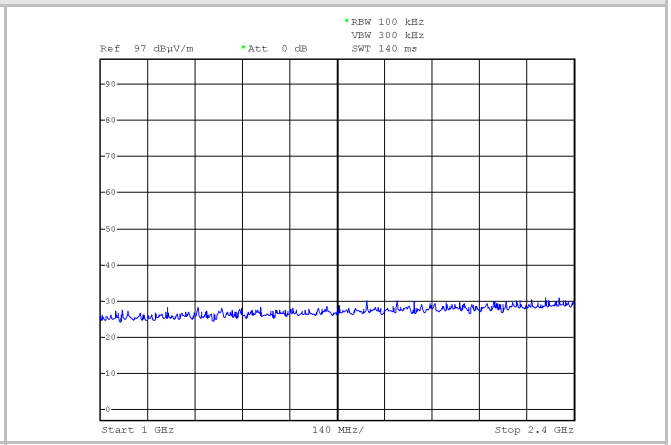
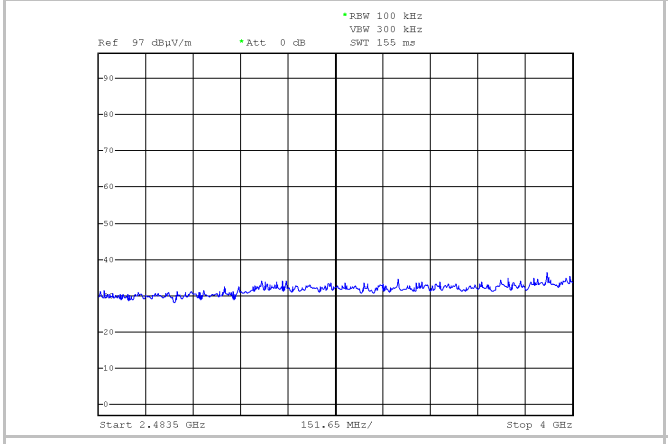
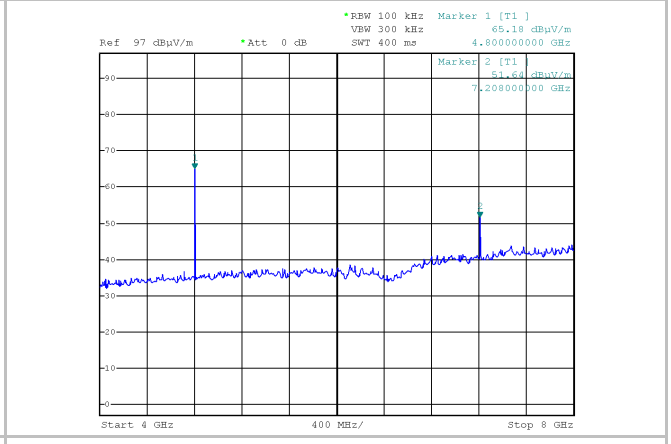
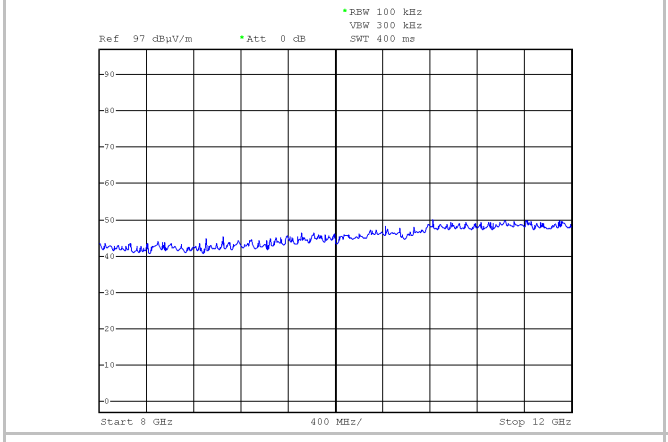
MEASUREMENTS RESULTS - Channel lower

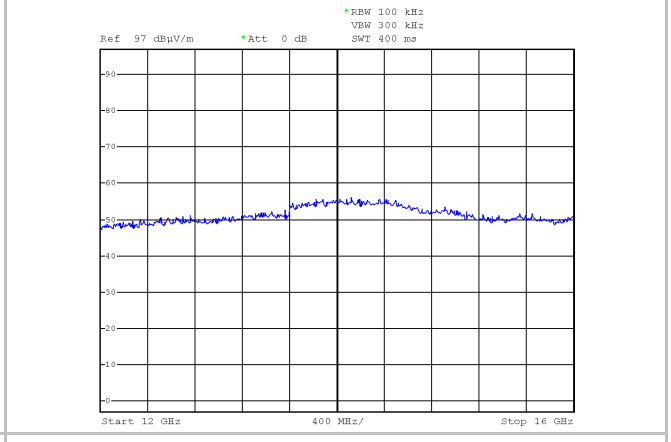


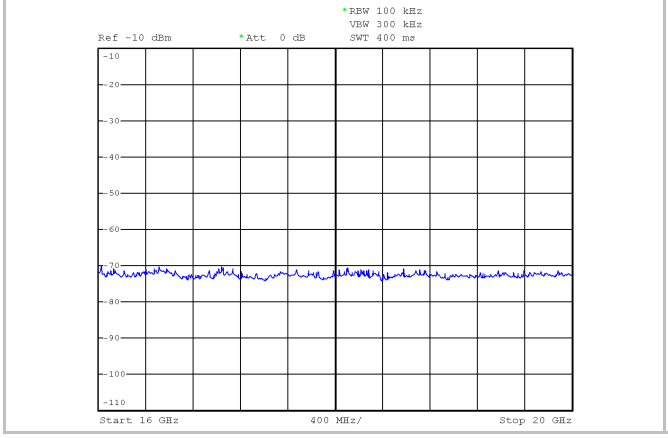


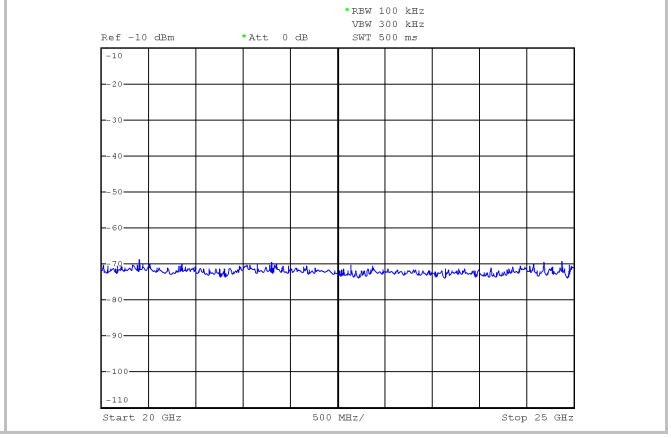












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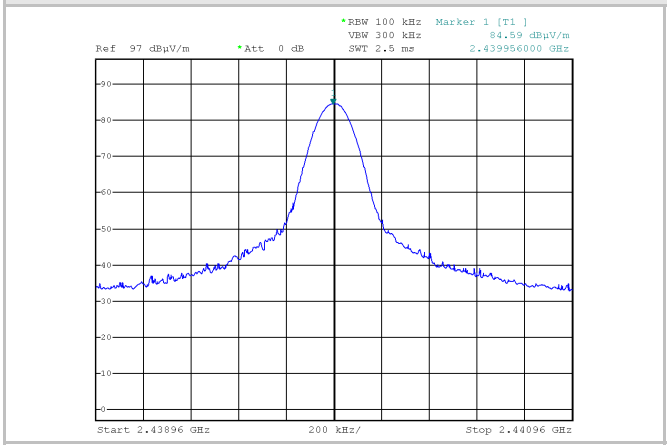
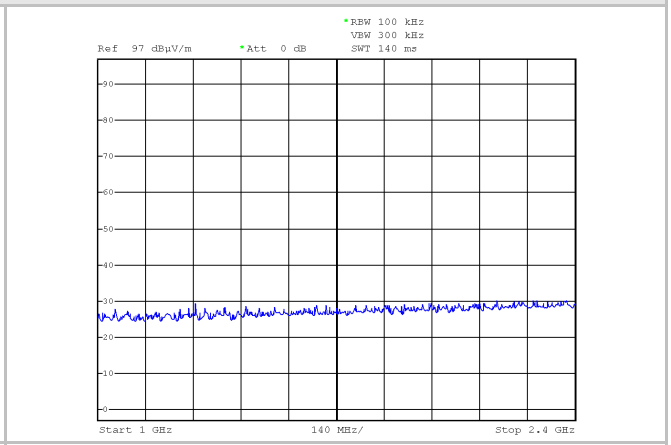
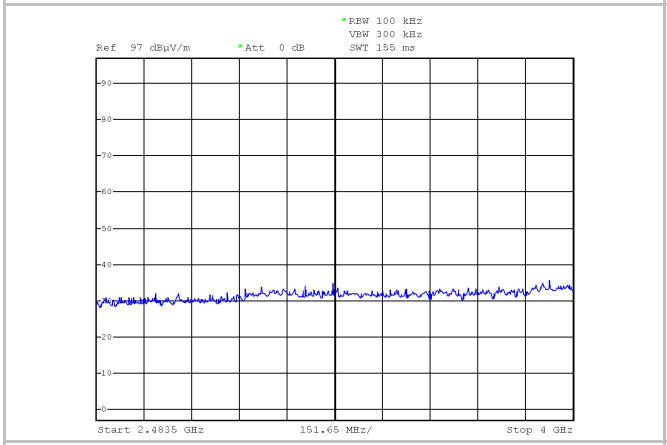
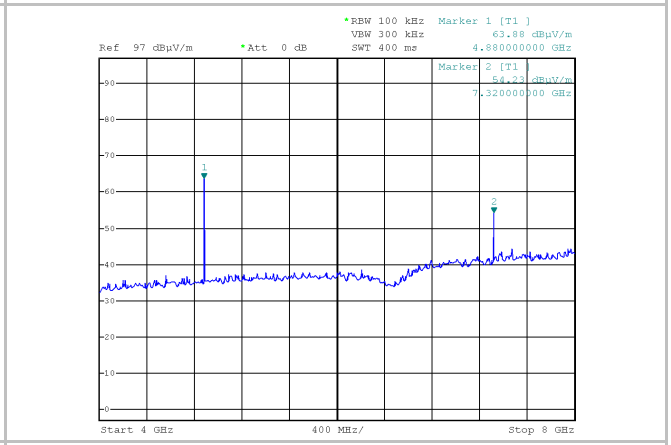
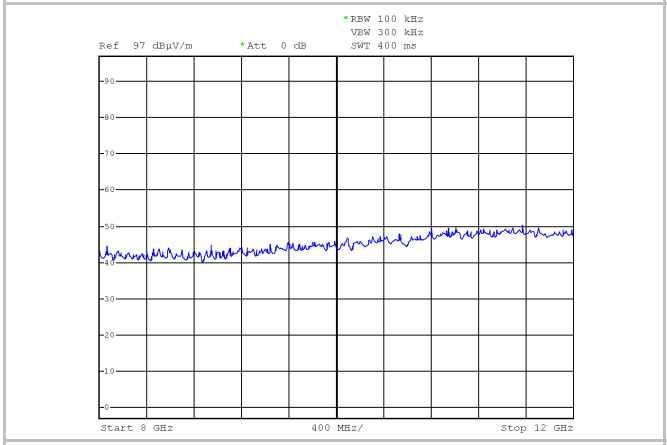
MEASUREMENTS RESULTS - CHANNEL MIDDLE

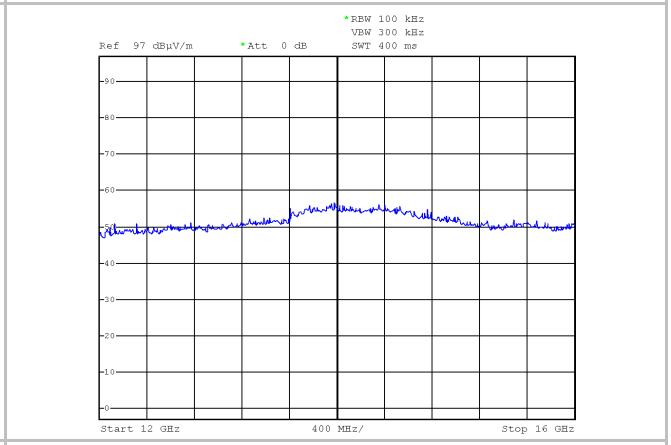


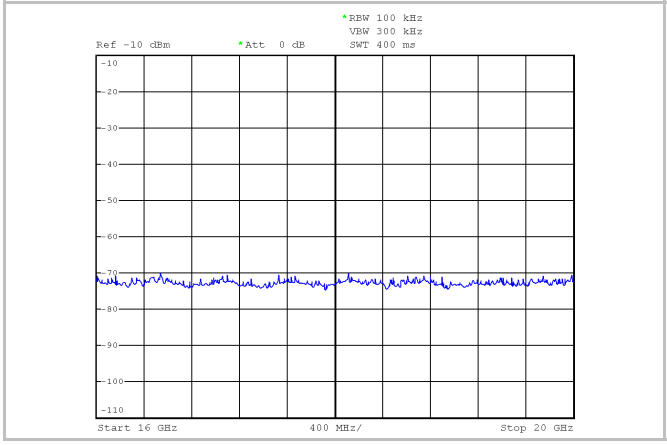


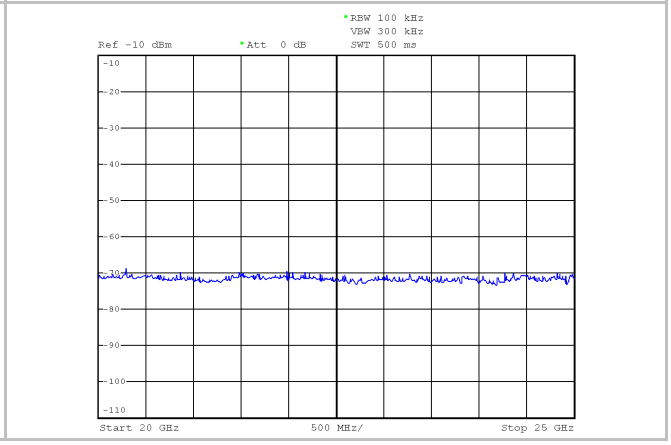












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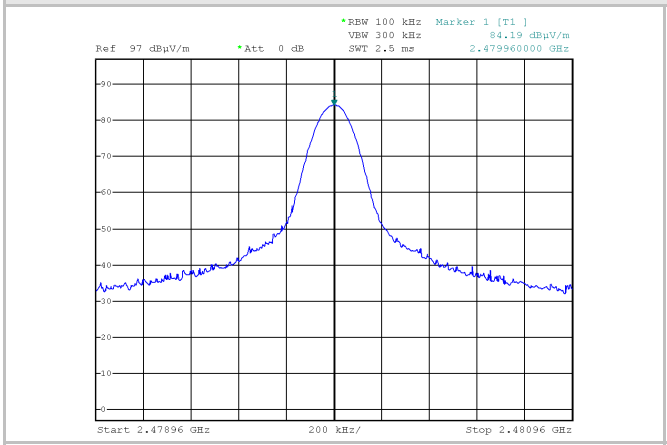
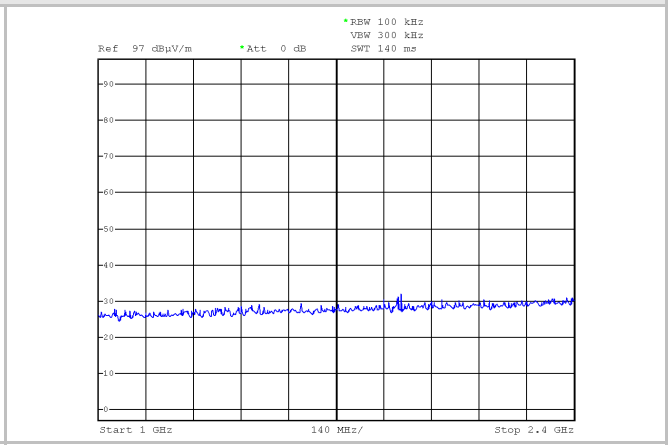
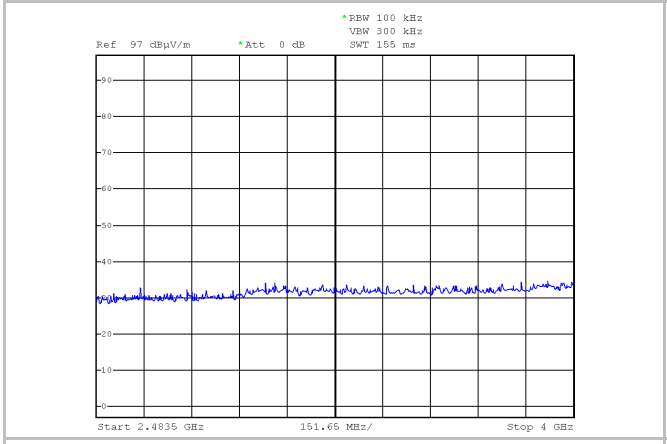
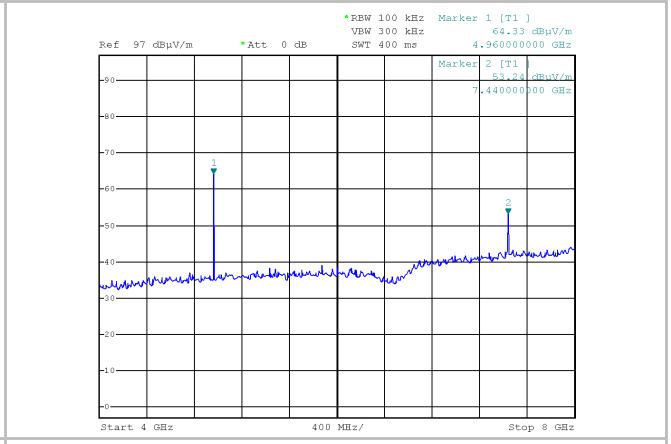
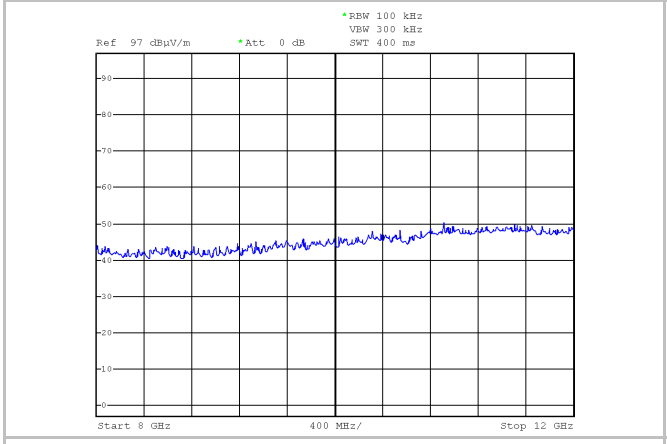
MEASUREMENTS RESULTS - CHANNEL HIGHER

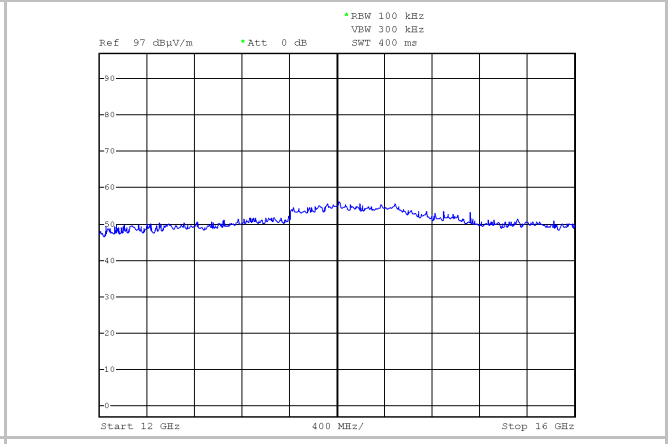


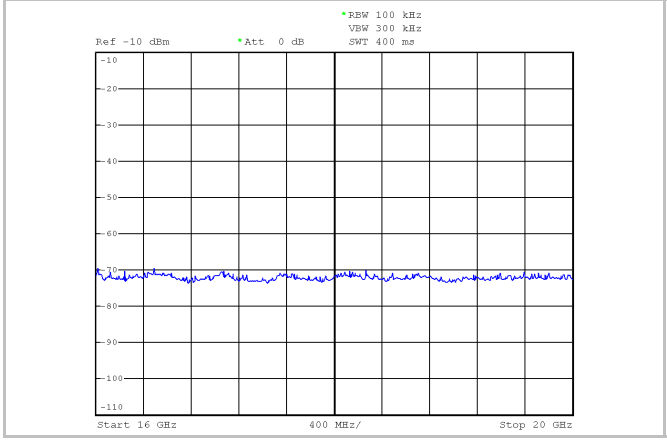


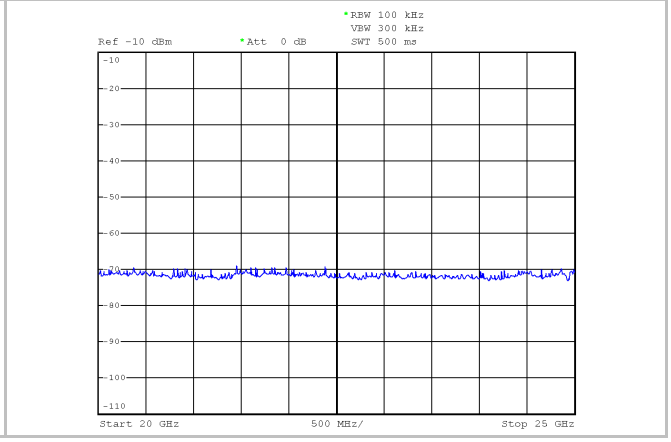












7.8 TRANSMITTER POWER SPECTRAL DENSITY

TEST REQUIREMENT	
Spectrum analyzer settings	
Test setup	ANSI C63.4
Test method	ANSI C63.10 clause 11.10.2
Span	1.5 MHz
Resolution bandwidth (RBW)	3 kHz
Video bandwidth (VBW)	10 kHz
Sweep time (SWT)	500 s
Detector function	Peak
Trace	Max hold
Attenuator	/
Deviation to test procedure	None
EUT operating condition	#1
Remark	None
Testing dates	2020-07-30

TEST RESULT
The EUT meets the requirements of sections 15.247 (e)

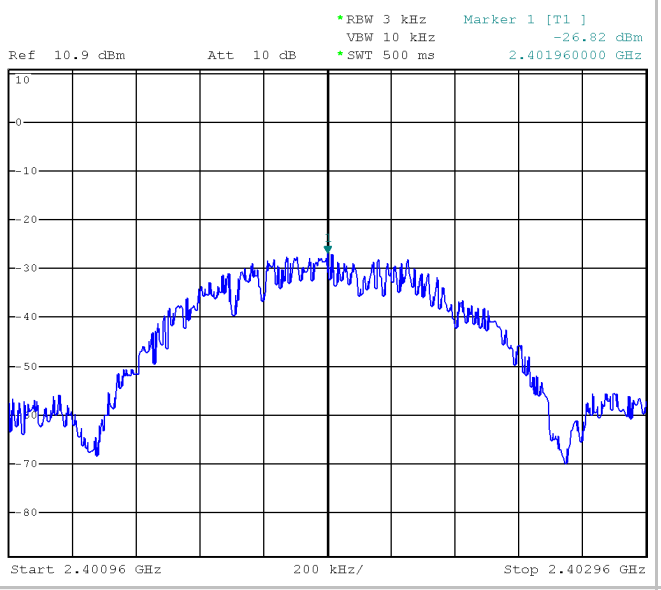
LIMITS
8 dBm in 3 kHz bandwidth.

TEST PROCEDURE
After trace stabilisation, the marker shall be set on the signal peak. The indicated level is the power spectral density.

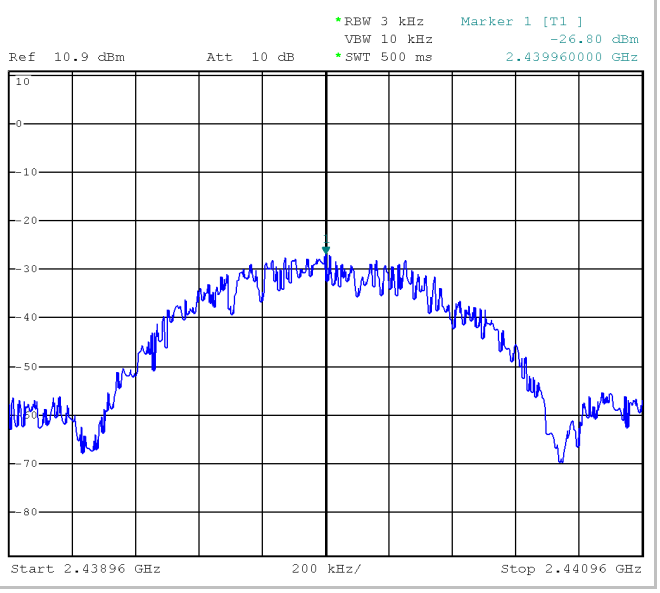
MEASUREMENTS RESULTS

Channel (No.)	Frequency (MHz)	Measured Power (dBm)	Limit (dBm)	Plot (No.)
01	2412	-26.82	8	1
20	2437	-26.80	8	2
40	2462	-26.83	8	3

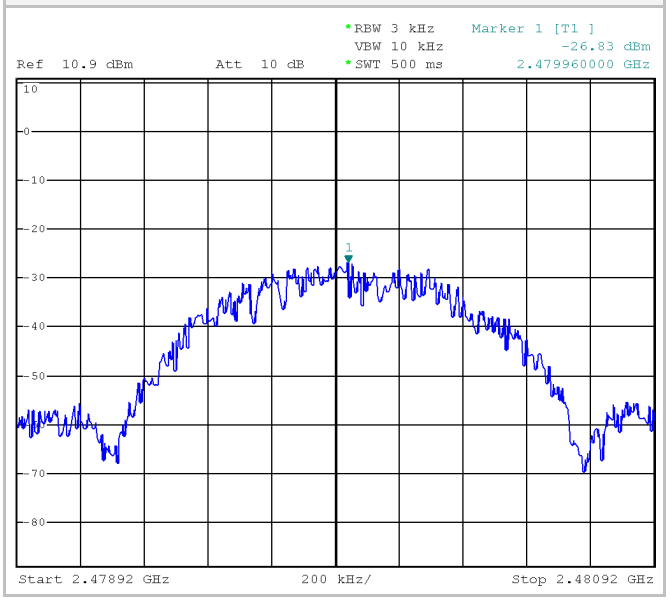
Plot 1



Plot 2



Plot 3



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8. MEASUREMENTS AND TESTS UNCERTAINTY

Unless otherwise stated the uncertainties for the tests and measurements are evaluated in according to IMQ Operational Instruction IO-LAB-001 and IO-LAB-004. and requirement of NIST Technical Note 1297 and NIS 81: 1994 "The Treatment of Uncertainty in EMC Measurements"
The expanded uncertainty was calculated for all measurements and tests listed in this test report according to CISPR 16-4-2 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4-2: Uncertainty in EMC Measurements", with UKAS document LAB 34 and is documented in the quality system accordance to ISO/IEC 17025.
Internal Procedure PG-037 ensures that the requirements for traceability of calibrations, of all test equipment requiring calibration, and calibration intervals are met.

Methods/Standard	Parameter	Expanded Uncertainty	Unit	Confidence level
Continuous disturbance	QP detector 9 – 150 kHz	2.4	dB	95%
	QP detector 150 k – 30 MHz	2.2	dB	95%
	QP detector using Voltage Probe	1.5	dB	95%
	QP detector using ISN	2.5	dB	95%
	QP detector using Current Probe	1.8	dB	95%
Radiated disturbance	QP detector (30 MHz - 100 MHz) H polarization	4.0	dB	95%
	QP detector (30 MHz - 100 MHz) V polarization	3.9	dB	95%
	QP detector (100 MHz - 200 MHz) H polarization	2.9	dB	95%
	QP detector (100 MHz - 200 MHz) V polarization	4.0	dB	95%
	QP detector (200 MHz - 1000 MHz) H polarization	3.5	dB	95%
	QP detector (200 MHz - 1000 MHz) V polarization	3.4	dB	95%
	P detector 1-6 GHz	4.3	dB	95%
	P detector 6-18 GHz	4.8	dB	95%
	P detector 18-26 GHz	4.9	dB	95%
	P detector 26-40 GHz	5.2	dB	95%

9. LIST OF MEASURING EQUIPMENT AND CALIBRATION INFORMATION

Instrument	Manufacturer	Model	IMQ Ref.	Calibration	
				Last date	Due date
Shielded anechoic chamber	--	--	P02386	/	/
EMI RECEIVER	RHODE & SCHWARZ	ESCI7	S05563	2019-08-05	2020-09-31
SPECTRUM ANALYSER	ROHDE & SCHWARZ	FSP40	S03629	2019-11-06	2020-11-30
POWER SENSOR	ROHDE & SCHWARZ	NRP-Z81	S06704	2019-09-24	2020-09-30
LISN	ROHDE & SCHWARZ	ENV216	S03631	2019-11-11	2020-11-30
LOOP ANTENNA	ROHDE & SCHWARZ	HFH2-Z2E	S08326	2019-12-05	2020-12-31
LOG ANTENNA	ARA	LPB-2520/1	S03511	2019-11-15	2020-11-30
ANTENNA HORN	SCHWARZBECK	BBHA9120D	S03463	2017-11-23	2020-11-30
SOFTWARE	ROHDE & SCHWARZ	EMC 32 Vers. 8.30	W-00124-K1	/	/

END OF TEST REPORT