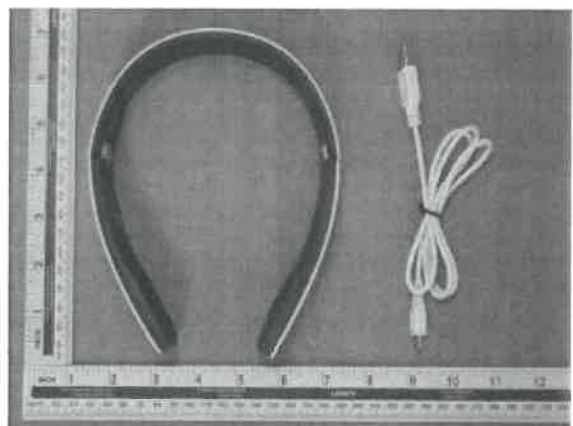


Prüfbericht-Nr.: <i>Test report No.:</i>	17056141 001	Auftrags-Nr.: <i>Order No.:</i>	164052519	Seite 1 von 31 <i>Page 1 of 31</i>
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	636964	Auftragsdatum: <i>Order date.:</i>	21.12.2015	
Auftraggeber: <i>Client:</i>	Saide Tekstil San ve Tic A.S. Saide Is Merkezi Yenibosna Merkez Mah Yalcin Kores Cad Arifaga Sok No:25 34197 Istanbul Turkey			
Prüfgegenstand: <i>Test item:</i>	Razor Headphones			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	6278701, 6278702, 8091101, 8091102			
Auftrags-Inhalt: <i>Order content:</i>	FCC approval			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB Publication 447498 v06 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109			
Wareneingangsdatum: <i>Date of receipt:</i>	21.12.2015			
Prüfmuster-Nr.: <i>Test sample No.:</i>	1600028 1600029			
Prüfzeitraum: <i>Testing period:</i>	24.12.2015 - 07.01.2016			
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
 29.02.2016 Ryan Yang / Senior Project Engineer		 29.02.2016 Sam Lin / Technical Certifier		
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>
Sonstiges / Other:				
FCC ID: 2AHIT-62787				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n)		4 = ausreichend 5 = mangelhaft N/A = nicht anwendbar N/T = nicht getestet		
Legend: 1 = very good 2 = good 3 = satisfactory P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s)		4 = sufficient 5 = poor N/A = not applicable N/T = not tested		
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines.				
<i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

V04

Test Summary

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER***RESULT: Pass***5.1.3 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH***RESULT: Pass***5.1.4 RADIATED SPURIOUS EMISSION***RESULT: Pass***5.1.5 20dB BANDWIDTH***RESULT: Pass***5.1.6 CARRIER FREQUENCY SEPARATION***RESULT: Pass***5.1.7 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.8 TIME OF OCCUPANCY***RESULT: Pass***5.1.9 CONDUCTED EMISSION***RESULT: Pass***5.1.10 RADIATED EMISSION***RESULT: Pass***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Pass*

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of Bluetooth 3.0 + HS of Conducted Testing

Appendix B: Test Results of Bluetooth 3.0 + HS of Radiated Testing

2 Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen, 518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Accurate Technology Co., Ltd.

Radio Spectrum Test				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	ESPI3	100396/003	09.01.2017
Spectrum Analyzer	Agilent	E7405A	MY45115511	09.01.2017
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	09.01.2017
Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Test Receiver	R&S	ESCS30	100307	09.01.2017
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	09.01.2017
Pulse Limiter	R&S	ESH3-Z2	100815	09.01.2017
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	09.01.2017
Radiated Emission & Spurious Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	FSV40	101495	01.01.2017
Test Receiver	R&S	ESCS30	100307	01.01.2017
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	01.01.2017
Loop Antenna	Schwarzbeck	FMZB1516	1516131	01.01.2017
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	01.01.2017
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	01.01.2017
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	01.01.2017
Pre-Amplifier	R&S	CBLU11835 40-01	3791	01.01.2017
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	01.01.2017
RF Coaxial Cable	SUHNER	N-3m	No.8	01.01.2017
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	01.01.2017
RF Coaxial Cable	SUHNER	N-6m	No.10	01.01.2017
RF Coaxial Cable	RESENBERGER	N-12m	No.11	01.01.2017
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	01.01.2017

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table

Item		Extended Uncertainty
Conducted Emission	Disturbance Voltage (dB μ V)	U=1.94dB, k=2, σ =95%
Radiated Emission (9kHz-30MHz)	Field strength (dB μ V/m)	U=3.08dB, k=2, σ =95%
Radiated Emission (30-1000MHz)	Field strength (dB μ V/m)	U=4.42dB, k=2, σ =95%
Radiated Emission (above 1000MHz)	Field strength (dB μ V/m)	U=4.06dB, k=2, σ =95%
Radio Spectrum		± 0.60 dB
Ambient Temperature		25 °C
Relative Humidity		56 %
Atmospheric Pressure		101 kPa

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen, 518057, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is Razor Headphones. It supports Bluetooth 3.0+HS wireless technology.

According to the declaration of the applicant, the electrical circuit design, PCB layout and components used are identical for all models, only the model No. and colour of enclosure are different.

Model Difference:

Model No.	Colour
6278701	White
6278702	Blue
8091101	Pink
8091102	Grey

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Razor Headphones
Type Designation	6278701, 6278702, 8091101, 8091102
FCC ID	2AHIT-62787
Operating Frequency	2402-2480 MHz
Operating Temperature Range	-40 °C ~ +85 °C
Operating Voltage	DC 3.7V, 250mAh via Internal rechargeable lithium battery
Testing Voltage	DC 3.7V, 250mAh via Internal rechargeable lithium battery DC 5.0V via USB port for charging
Type of Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Number	79 channels
Channel Separation	1MHz
Wireless Technology	Bluetooth 3.0+ HS
Antenna Type	PCB Antenna
Antenna Gain	3.00 dBi

Table 3: RF Channel and Frequency of Bluetooth

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
00	2402.00	20	2422.00	40	2442.00	60	2462.00
01	2403.00	21	2423.00	41	2443.00	61	2463.00
02	2404.00	22	2424.00	42	2444.00	62	2464.00
03	2405.00	23	2425.00	43	2445.00	63	2465.00
04	2406.00	24	2426.00	44	2446.00	64	2466.00
05	2407.00	25	2427.00	45	2447.00	65	2467.00
06	2408.00	26	2428.00	46	2448.00	66	2468.00
07	2409.00	27	2429.00	47	2449.00	67	2469.00
08	2410.00	28	2430.00	48	2450.00	68	2470.00
09	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	78	2480.00
19	2421.00	39	2441.00	59	2461.00	/	/

Table 4: Frequency Hopping Information

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V3.0 + HS for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73,07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56,69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43,15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Bluetooth transmitting mode (BDR & EDR mode)
 - 1. Transmitting
 - a. Low Channel
 - b. Middle Channel
 - c. High Channel
 - 2. Receiving
- B. On, Transmitting on Hopping channel
- C. On, Bluetooth connecting mode
- D. On, Charging mode via USB port
- E. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-----------------------------|-------------------------|
| - Application Form | - Bill of Material |
| - Block Diagram | - Circuit Diagram |
| - FCC/IC Label and Location | - Operation Description |
| - Photo Document | - User Manual |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013 and ANSI C63.4: 2014

According to clause 3.1, all tests were performed on model 6278701 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
iPhone 6	Apple	MG4J2 CH/A	F17NTK2QG5MV	N/A
Notebook PC	Lenovo	ThinkPad X240	N/A	N/A
Printer	HP	HP laserjet 1015	CNFG030424	N/A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

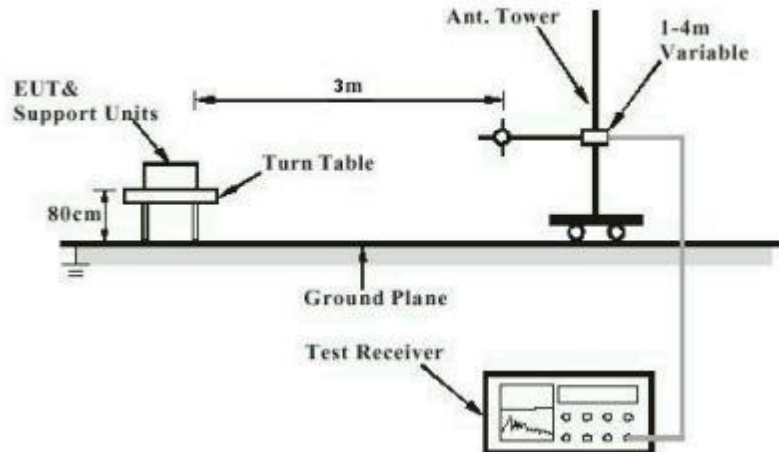


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

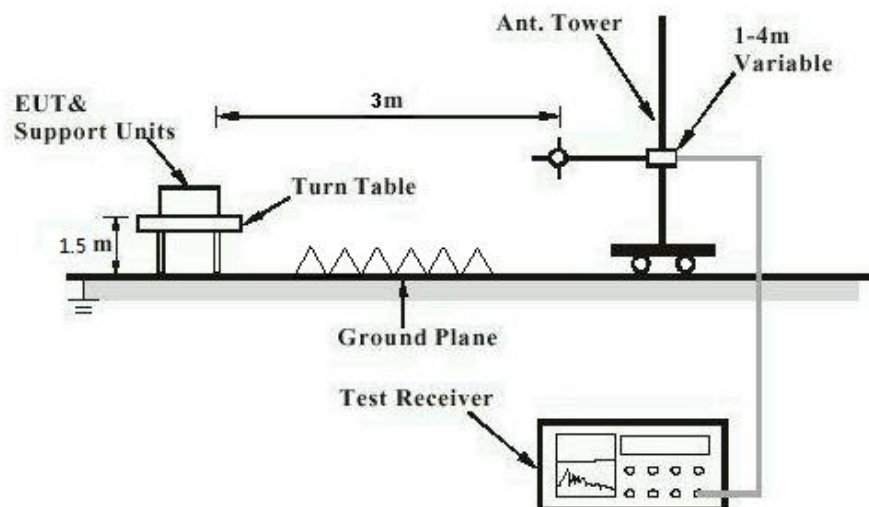


Diagram of Measurement Configuration for Mains Conduction Measurement

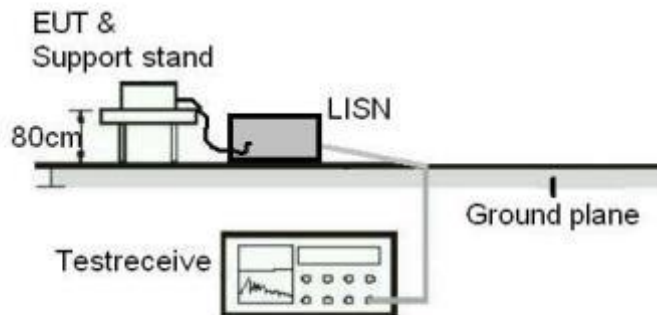
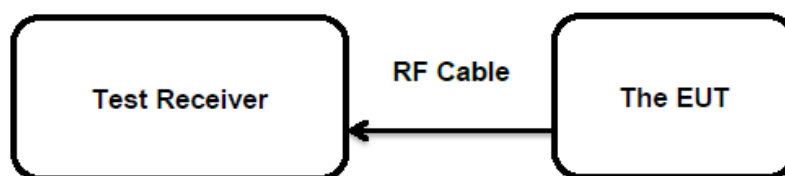


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.247(b)(4) and Part 15.203

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 3.00 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(b)(1)
 Basic standard : ANSI C63.10: 2013
 Limits : < 0.125 Watts
 Kind of test site : Shielded Room

Test Setup

Date of testing : 30.12.2015
 Input voltage : DC 5.0V via USB port for charging
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BDR	2402	-7.78	0.00017	< 0.125
	2441	-9.10	0.00012	
	2480	-9.09	0.00012	
EDR	2402	-9.19	0.00009	< 0.125
	2441	-10.36	0.00009	
	2480	-10.39	0.00012	
Maximum Measured Value		-7.78	0.00017	/

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix A.

5.1.3 Conducted Spurious Emissions Measured in 100 kHz Bandwidth**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.247(d)
Basic standard	: ANSI C63.10: 2013
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 30.12.2015
Input voltage	: DC 5.0V via USB port for charging
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

5.1.4 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10: 2013
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	: 30.12.2015
Input voltage	: DC 3.7V, 250mAh via Internal rechargeable lithium battery
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

Remark:

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Pre-test the EUT in continuous transmitting mode at the low (2402 MHz), middle (2441 MHz) and high (2480 MHz) channel with different data packet. Compliance test in continuous transmitting mode with BDR mode (DH5) as the worst case was found.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

For the measurement records, refer to the appendix A.

5.1.5 20dB Bandwidth

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(1)
 Basic standard : ANSI C63.10: 2013
 Kind of test site : Shielded Room

Test Setup

Date of testing : 30.12.2015
 Input voltage : DC 5.0V via USB port for charging
 Operation mode : A.1
 Test channel : Low / Middle / High
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

Table 7: Test Result of 20dB Bandwidth

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)
BDR	2402	868.30	578.867	/
	2441	872.60	581.733	
	2480	872.60	581.733	
EDR	2402	1198.30	798.867	/
	2441	1185.30	790.200	
	2480	1202.60	801.733	
Maximum Measured Value		1202.60	801.733	/

For the measurement records, refer to the appendix A.

5.1.6 Carrier Frequency Separation

RESULT:
Pass
Test Specification

Test standard	: FCC Part 15.247(a)(1)
Basic standard	: ANSI C63.10: 2013
Limits	: $\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth, whichever is greater
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 30.12.2015
Input voltage	: DC 5.0V via USB port for charging
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

Table 8: Test Result of Carrier Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (KHz)	Limit (kHz)	Result
Low Channel	2402	1002.9	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Middle Channel	2441	1002.9		Pass
Adjacency Channel	2442			
High Channel	2480	1002.9		Pass
Adjacency Channel	2479			

Note:

The limit is maximum $2/3$ of the 20 dB bandwidth: 801.733 KHz.

For the measurement records, refer to the appendix A.

5.1.7 Number of Hopping Frequency

RESULT:**Pass****Test Specification**

Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shielded Room

Test Setup

Date of testing : 30.12.2015
Input voltage : DC 5.0V via USB port for charging
Operation mode : B
Ambient temperature : 25 °C
Relative humidity : 56 %
Atmospheric pressure : 101 kPa

Table 9: Test Result of Number of Hopping Frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480 MHz	79	≥ 15	Pass

For the measurement records, refer to the appendix A.

5.1.8 Time of Occupancy

RESULT:**Pass****Test Specification**

Test standard	: FCC part 15.247(a)(1)(iii)
Basic standard	: ANSI C63.10: 2013
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 30.12.2015
Input voltage	: DC 5.0V via USB port for charging
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

Table 10: Test Result of Time of Occupancy, BDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time(s)	Limit (s)	Result
Low Channel	1DH1	0.428	0.137	< 0.4s	Pass
	1DH3	1.681	0.269	< 0.4s	Pass
	1DH5	2.957	0.315	< 0.4s	Pass
Middle Channel	1DH1	0.420	0.134	< 0.4s	Pass
	1DH3	1.596	0.255	< 0.4s	Pass
	1DH5	2.957	0.315	< 0.4s	Pass
High Channel	1DH1	0.420	0.134	< 0.4s	Pass
	1DH3	1.681	0.269	< 0.4s	Pass
	1DH5	2.957	0.315	< 0.4s	Pass

Table 11: Test Result of Time of Occupancy, EDR mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	3DH1	0.428	0.137	< 0.4s	Pass
	3DH3	1.681	0.269	< 0.4s	Pass
	3DH5	2.957	0.315	< 0.4s	Pass
Middle Channel	3DH1	0.428	0.137	< 0.4s	Pass
	3DH3	1.696	0.271	< 0.4s	Pass
	3DH5	2.957	0.315	< 0.4s	Pass
High Channel	3DH1	0.428	0.137	< 0.4s	Pass
	3DH3	1.696	0.271	< 0.4s	Pass
	3DH5	2.957	0.315	< 0.4s	Pass

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

For the measurement records, refer to the appendix A.

5.1.9 Conducted Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.207(a) & FCC Part 15.107(a)
Basic standard	: ANSI C63.10: 2013 & ANSI C63.4: 2014
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a) & FCC Part 15.107(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 07.01.2016
Input voltage	: DC 5.0V via USB port for charging
Operation mode	: C, D
Earthing	: Not connected
Ambient temperature	: 25 °C
Relative humidity	: 56 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

5.1.10 Radiated Emission**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.109(a)
Basic standard	: ANSI C63.4: 2014
Frequency range	: 30 - 6000MHz
Classification	: Class B
Limits	: FCC Part 15.109(a)
Kind of test site	: 3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	: 05.01.2016
Input voltage	: DC 5.0V via USB port for charging
Operation mode	: D
Earthing	: Not connected
Ambient temperature	: 23 °C
Relative humidity	: 48 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass****Test Specification**

Test standard : FCC KDB Publication 447498 v06

Measurement Record:

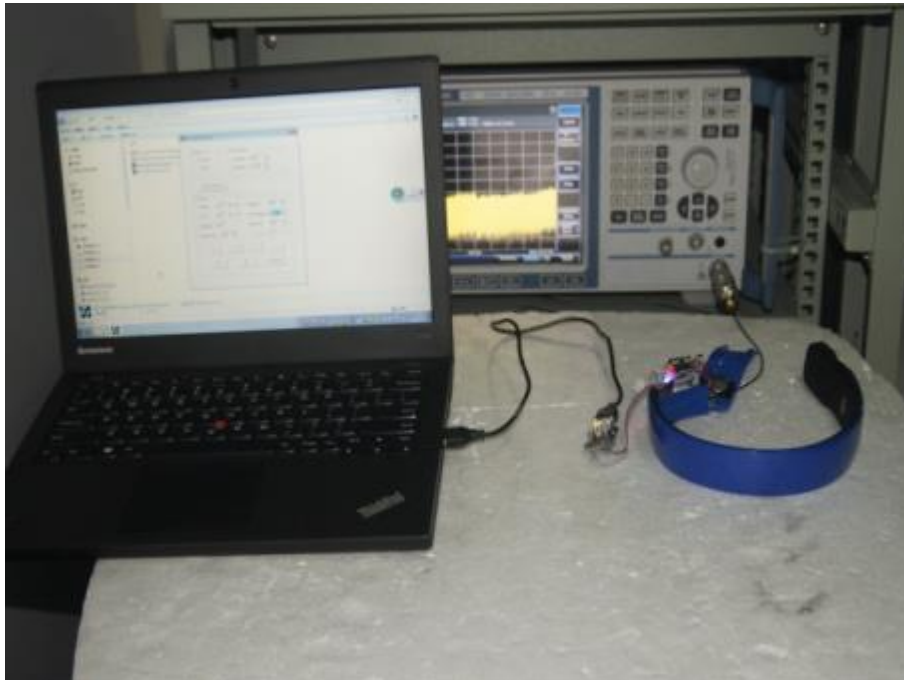
The minimum distance for the EUT is less than 5mm.

Since maximum peak output power of the transmitter is $-7.78 \text{ dBm} \approx 0.17 \text{ mW} < 10 \text{ mW}$.

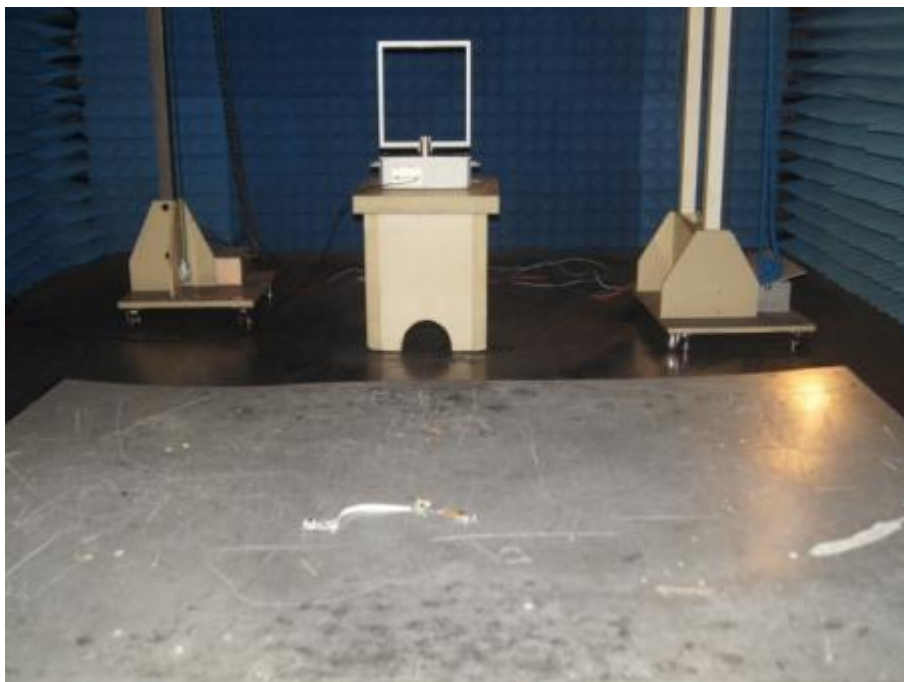
Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

7 Photographs of the Test Set-Up

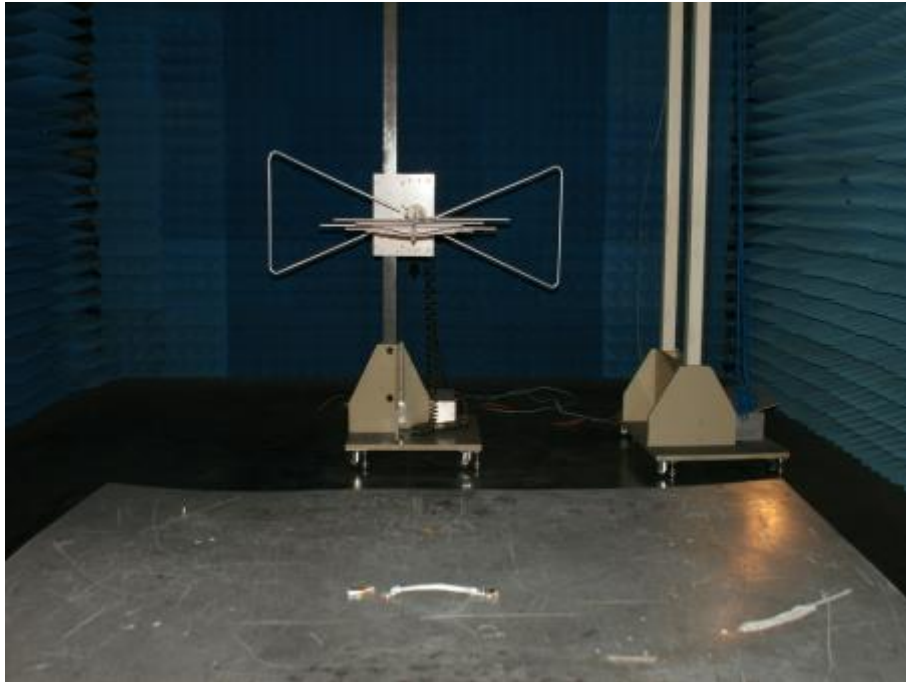
Photograph 1: Set-up for Conducted Testing



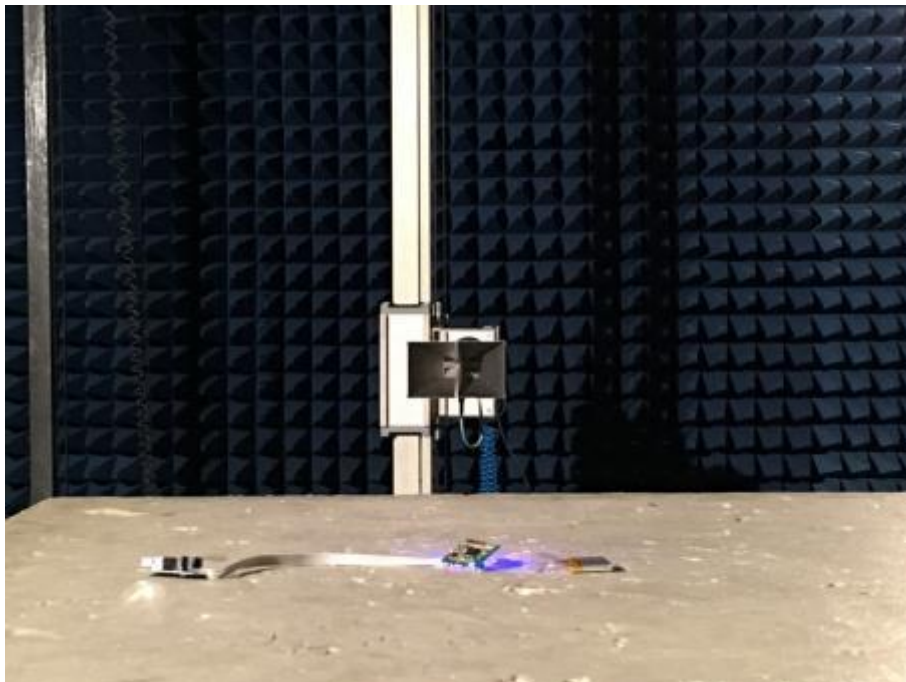
Photograph 2: Set-up for Radiated Spurious Emission (9kHz ~ 30MHz)



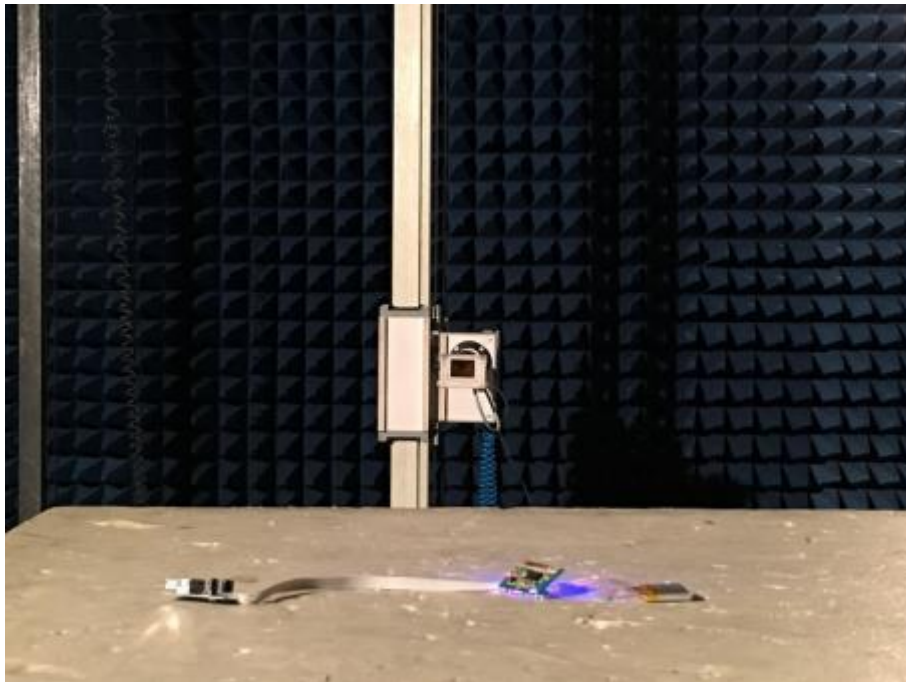
Photograph 3: Set-up for Radiated Spurious Emission (30MHz~1GHz)



Photograph 4: Set-up for Radiated Spurious Emission (1GHz ~ 18GHz)



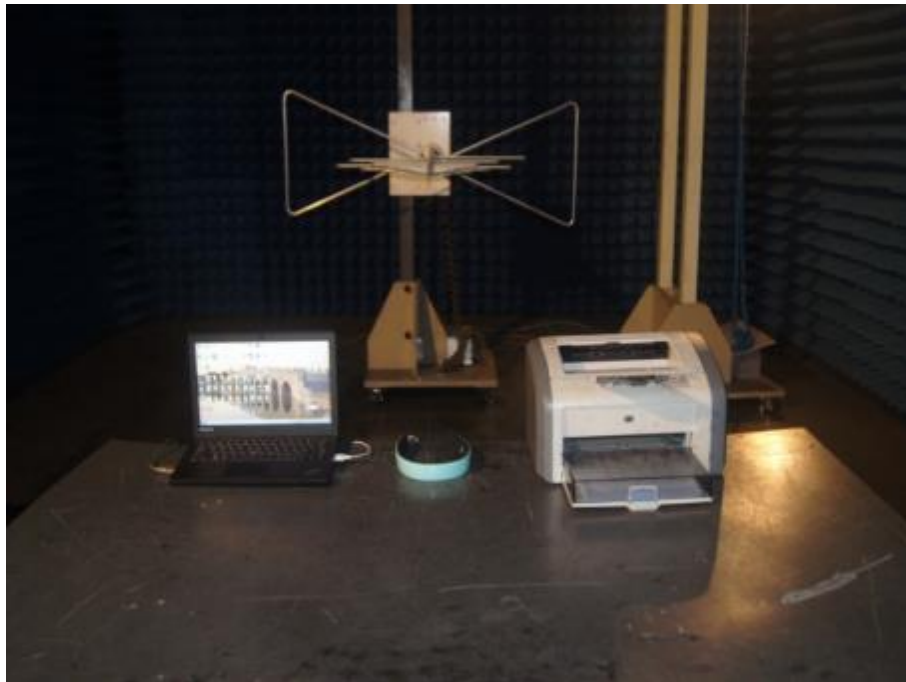
Photograph 5: Set-up for Radiated Spurious Emission (18GHz ~ 26GHz)



Photograph 6: Set-up for Conducted Emission



Photograph 7: Set-up for Radiated Emission (30MHz ~ 1GHz)



Photograph 8: Set-up for Radiated Emission (1GHz ~ 6GHz)



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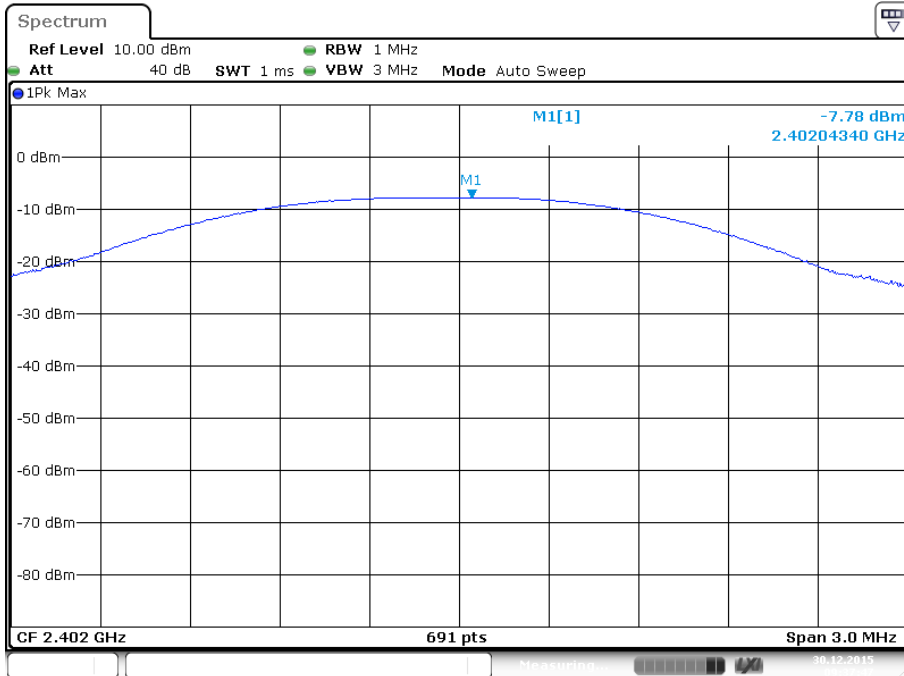
Appendix A

Test Results of Bluetooth 3.0+HS of Conducted Testing

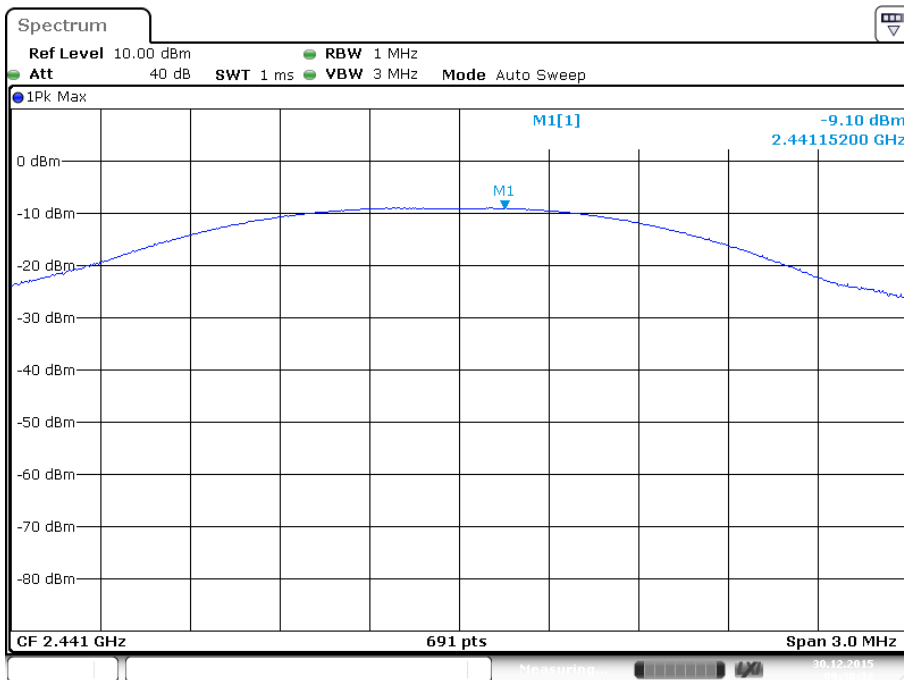
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EDR MODE, 3DH1	24
EDR MODE, 3DH3	27
EDR MODE, 3DH5	30

Appendix A.1: Maximum Peak Conducted Output Power

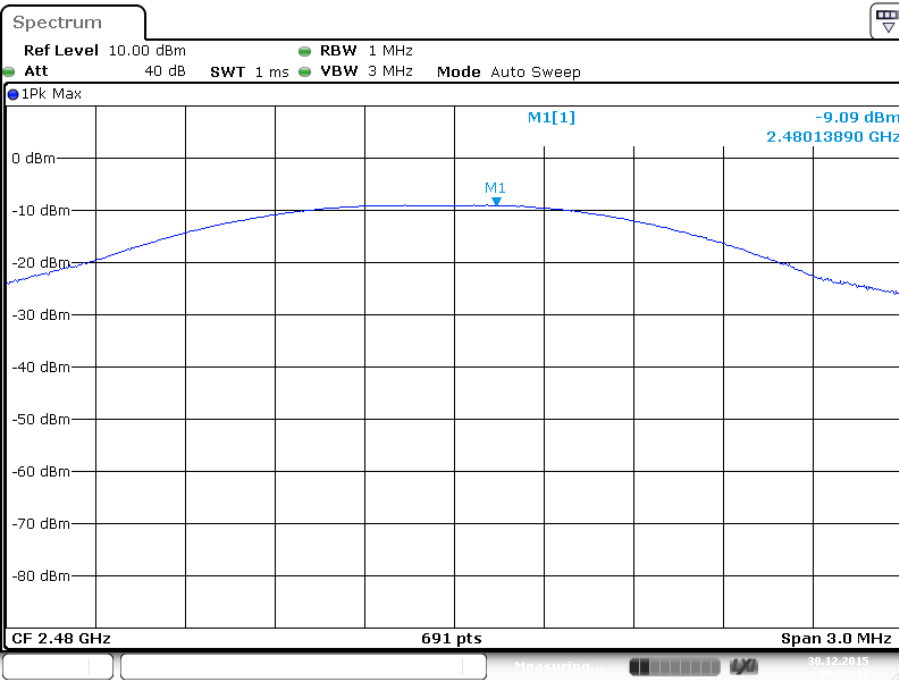
BDR Mode, DH1



Date: 30.DEC.2015 09:37:47

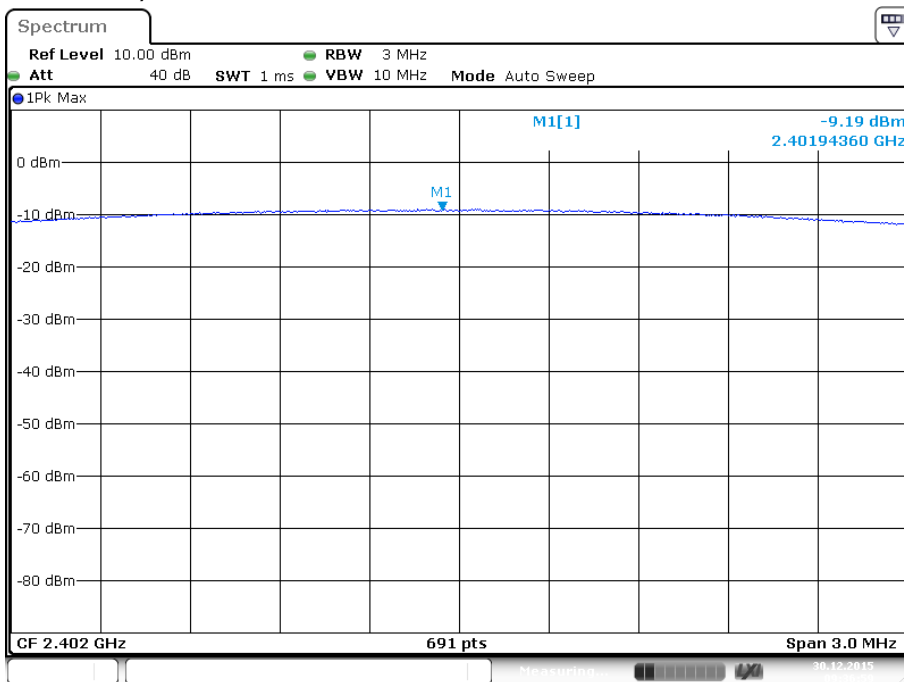


Date: 30.DEC.2015 09:38:32

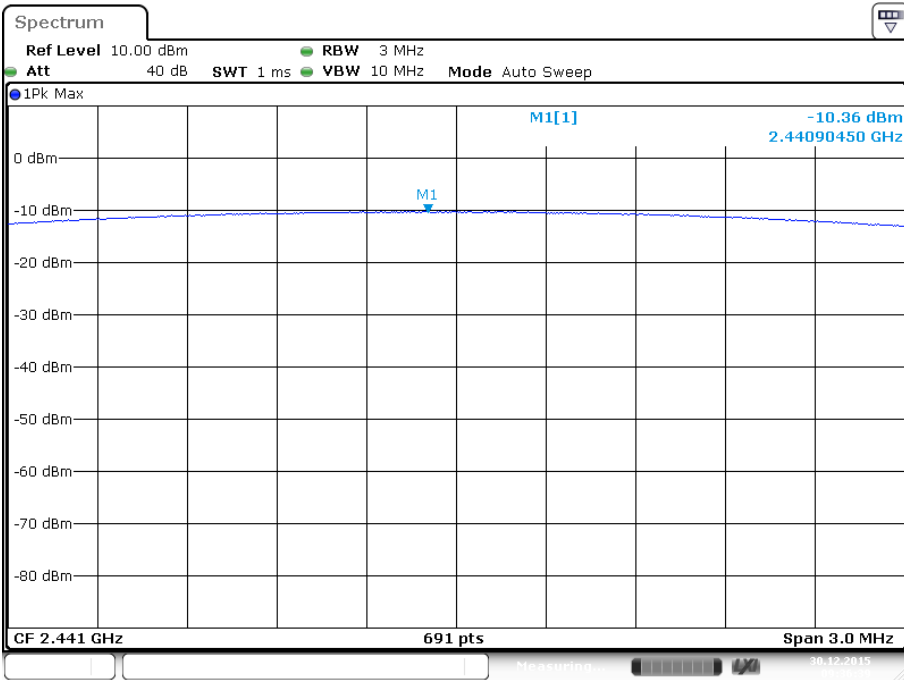


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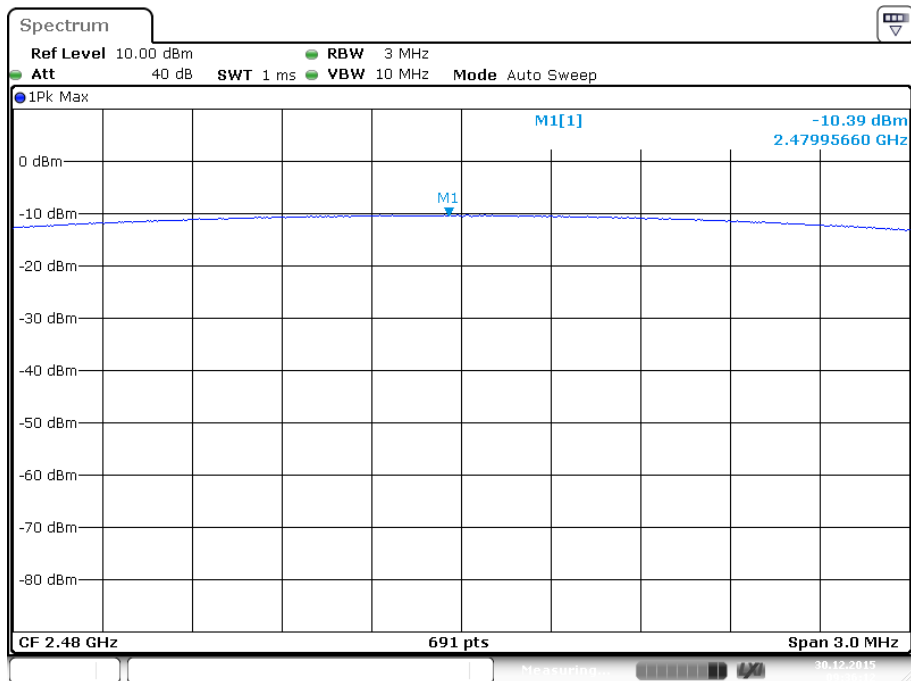
EDR Mode, 3DH1



Date: 30.DEC.2015 09:36:59



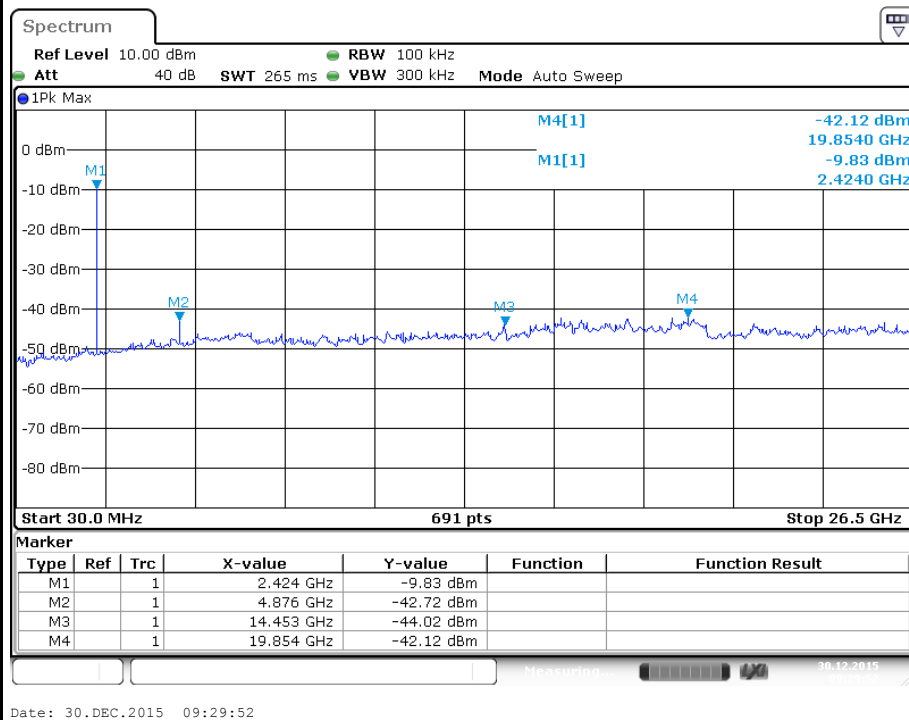
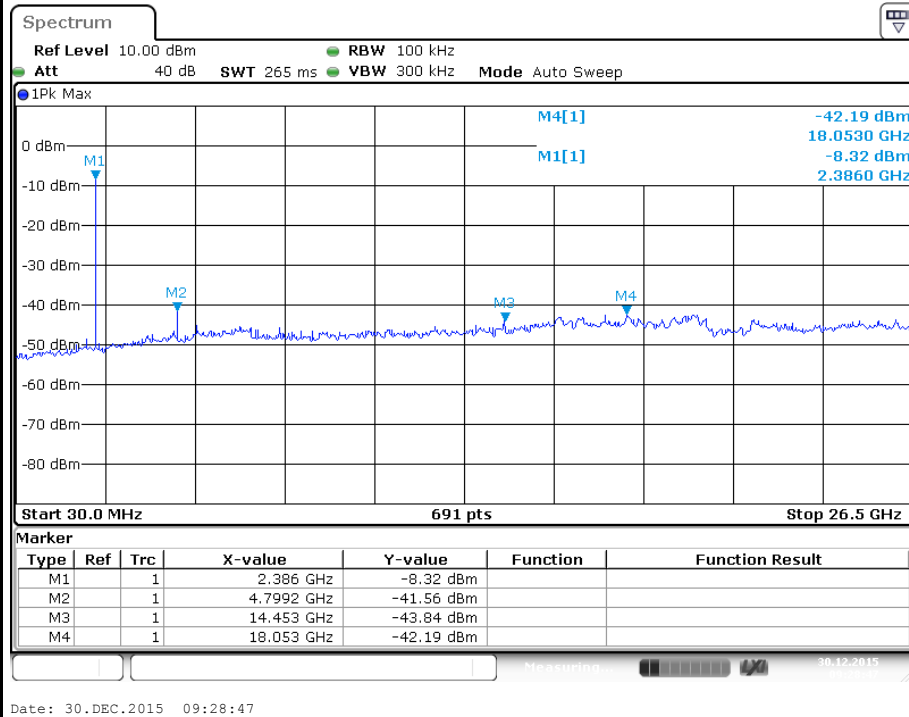
Date: 30.DEC.2015 09:36:39

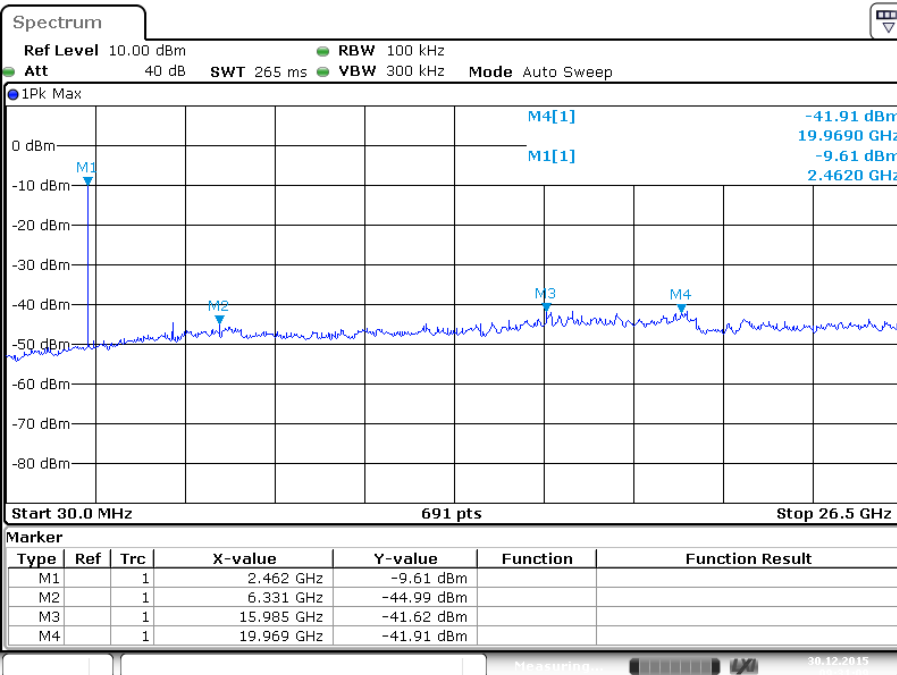


Date: 30.DEC.2015 09:36:12

Appendix A.2: Conducted Spurious Emissions Measured in 100 kHz Bandwidth

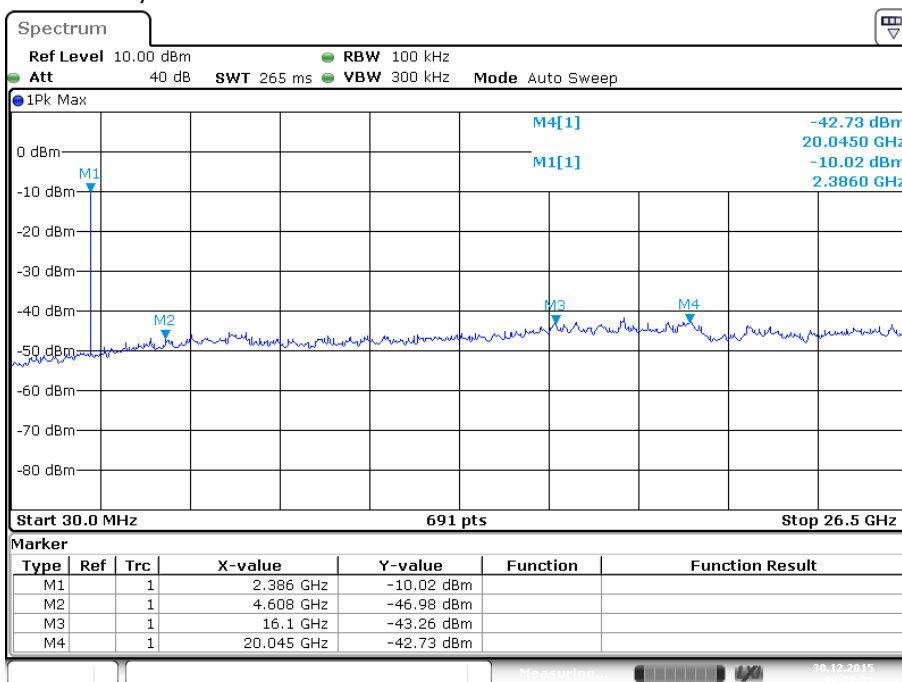
BDR Mode, DH1



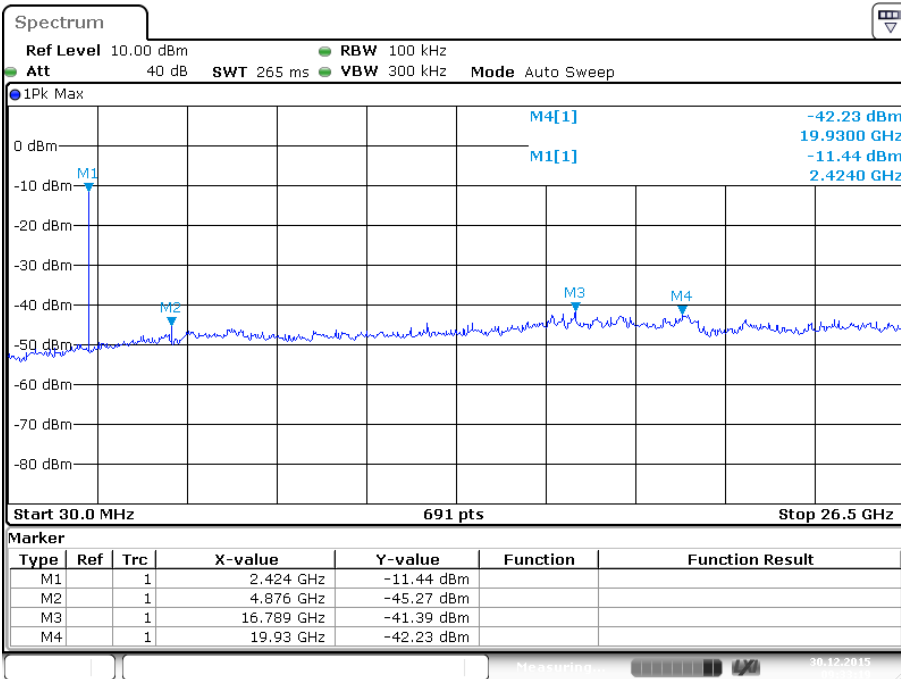


Date: 30.DEC.2015 09:31:09

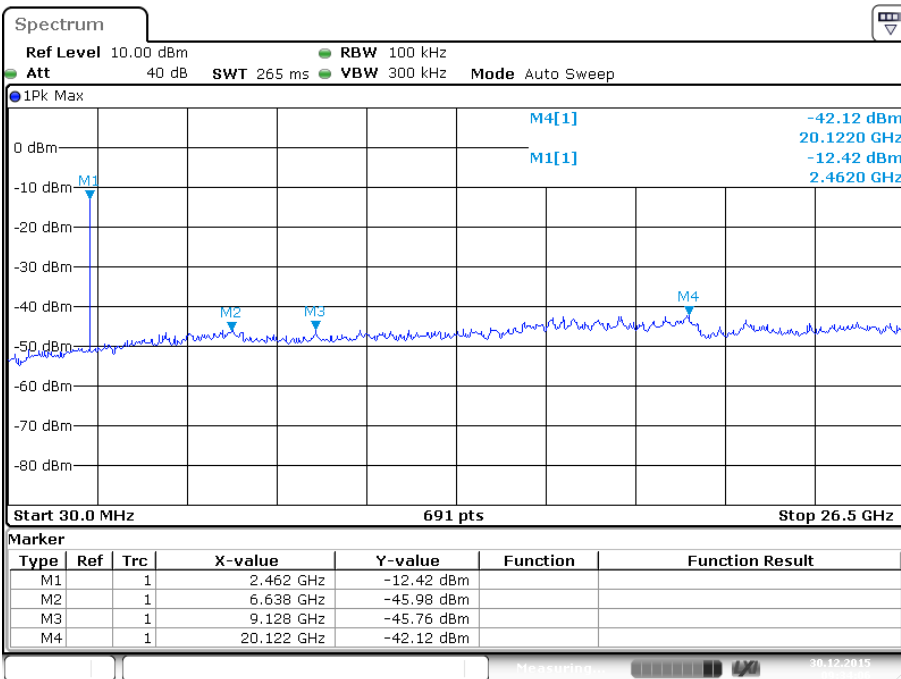
EDR Mode, 3DH1



Date: 30.DEC.2015 09:32:20

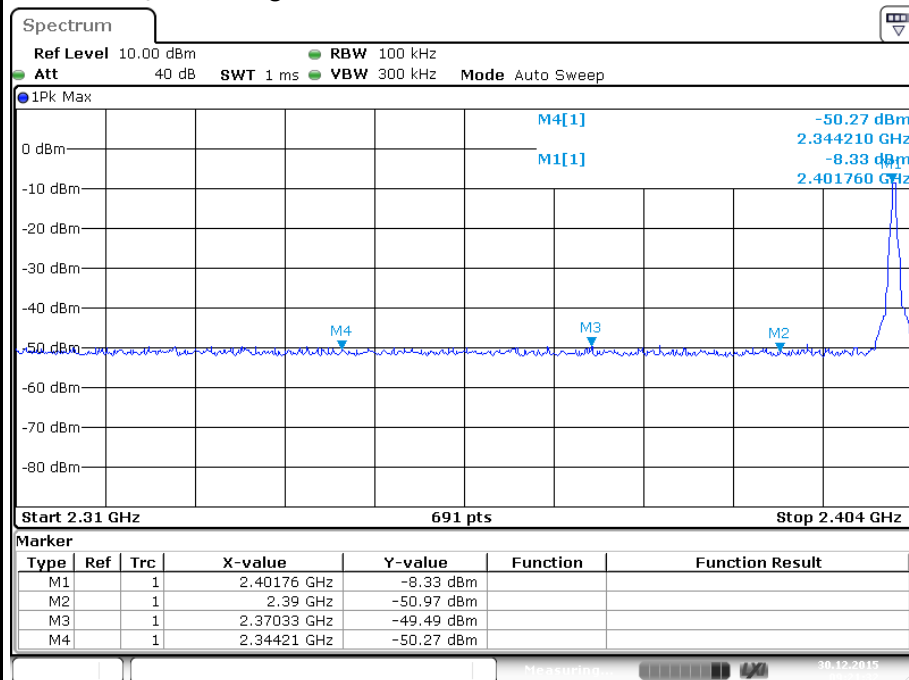


Date: 30.DEC.2015 09:33:19

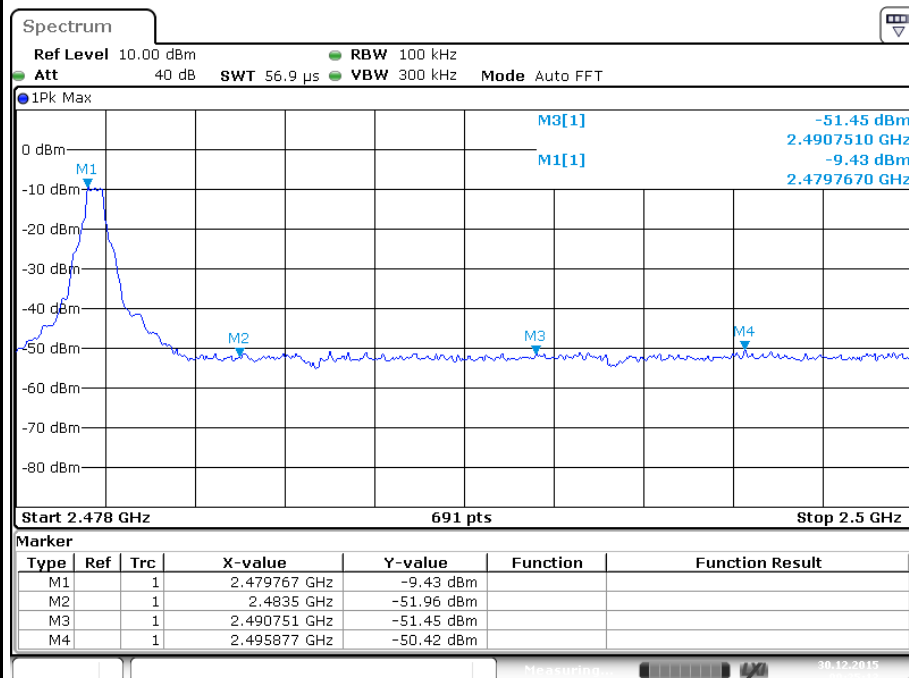


Date: 30.DEC.2015 09:34:06

BDR Mode, Band Edge

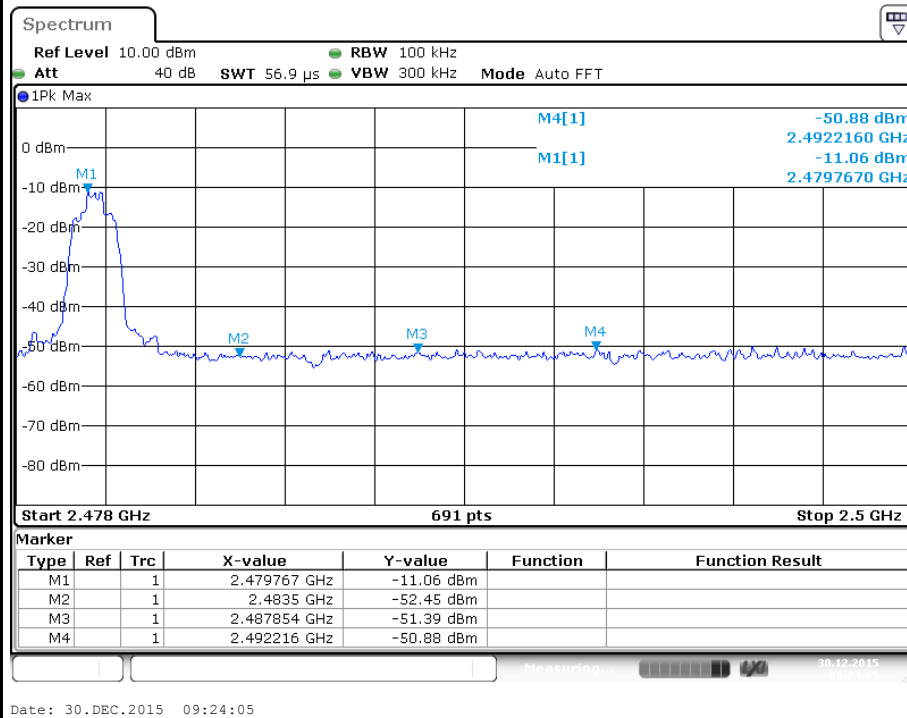
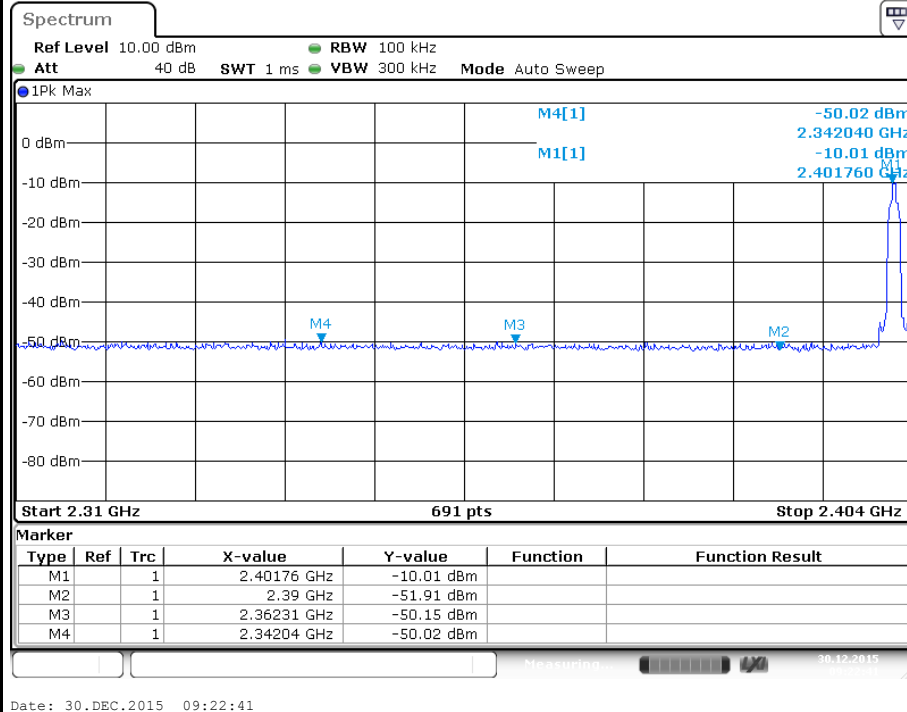


Date: 30.DEC.2015 09:21:32



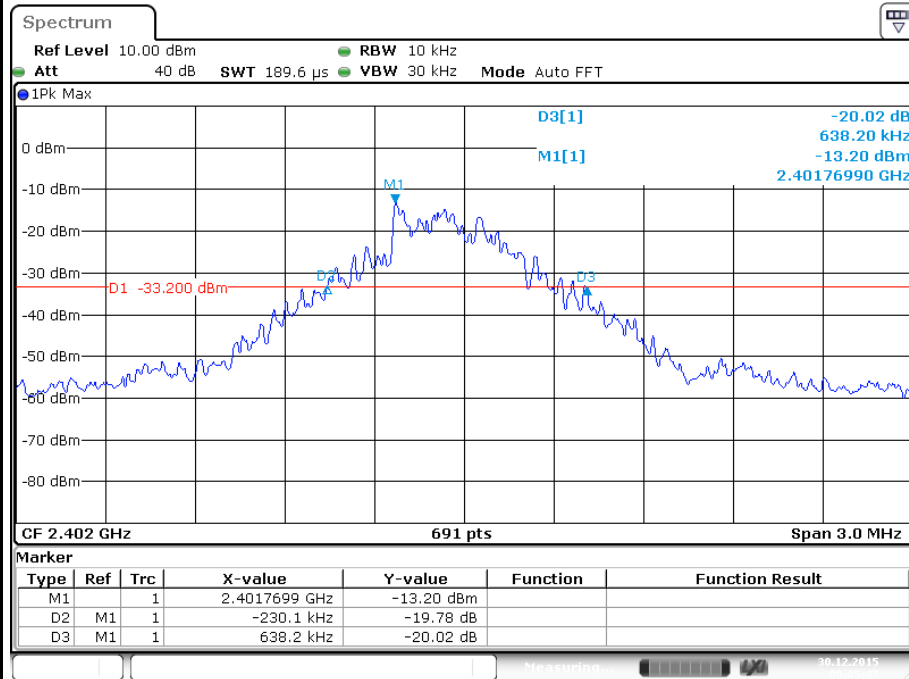
Date: 30.DEC.2015 09:25:13

EDR Mode, Band Edge

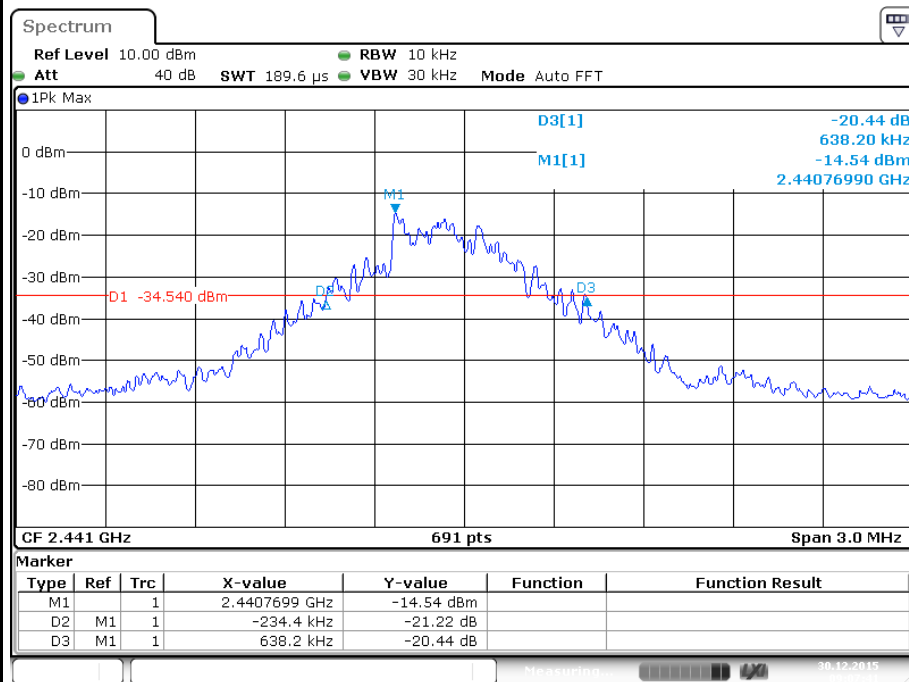


Appendix A.3: 20dB Bandwidth

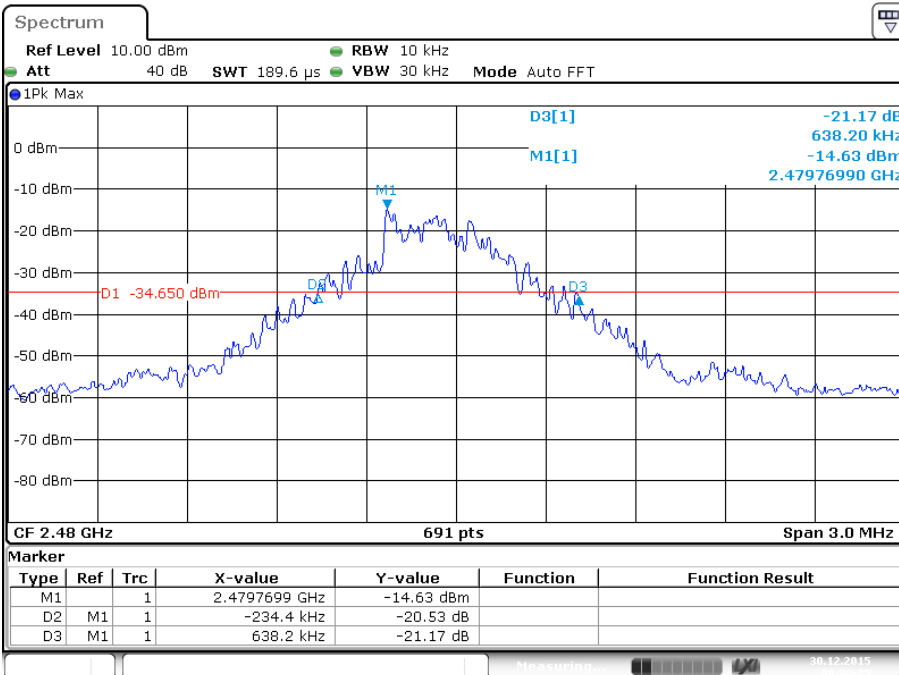
BDR Mode, DH1



Date: 30.DEC.2015 09:05:47

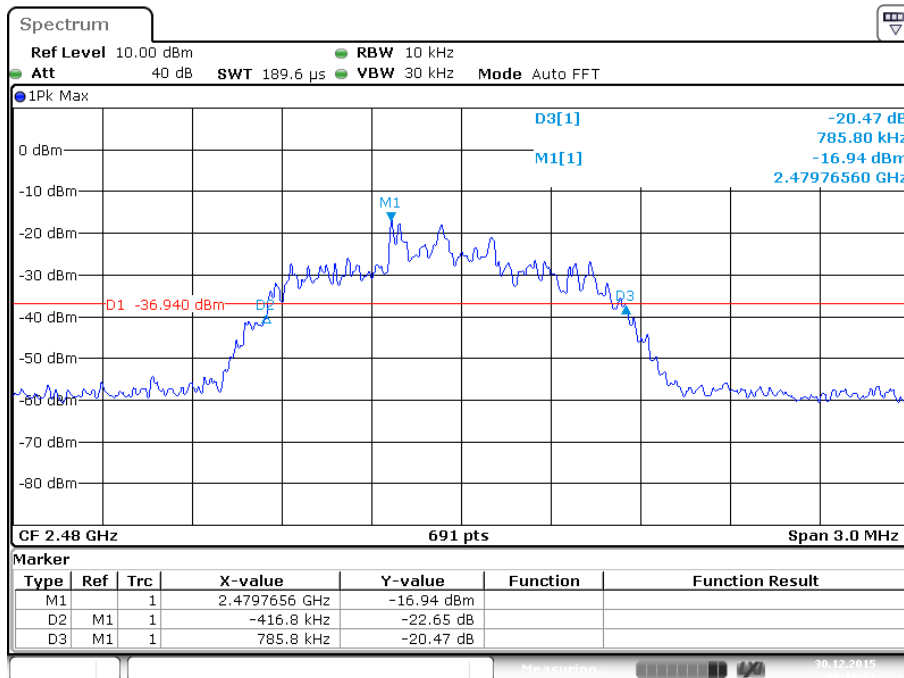


Date: 30.DEC.2015 09:07:41

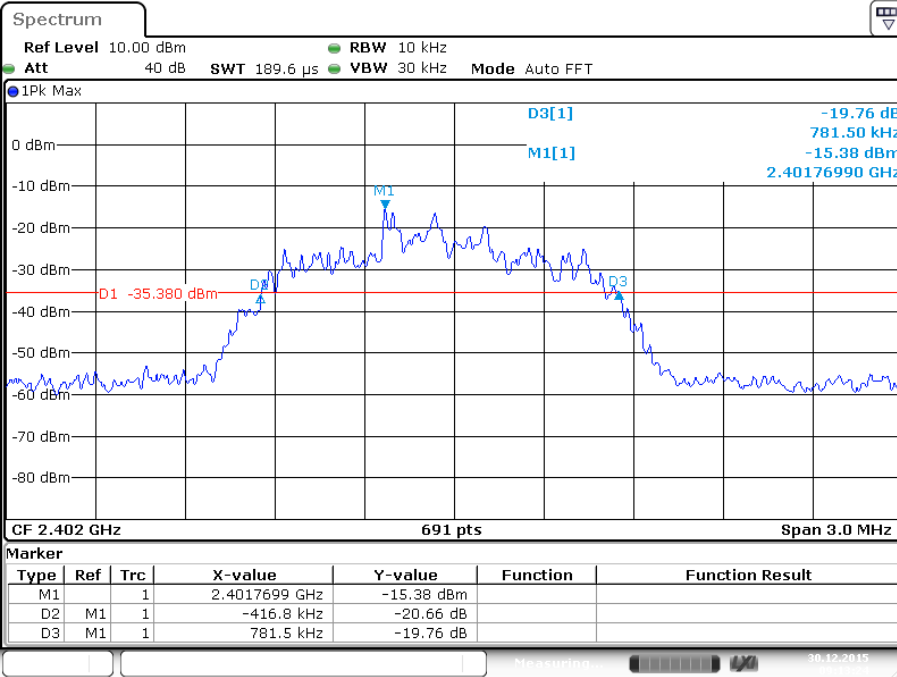


Date: 30.DEC.2015 09:09:25

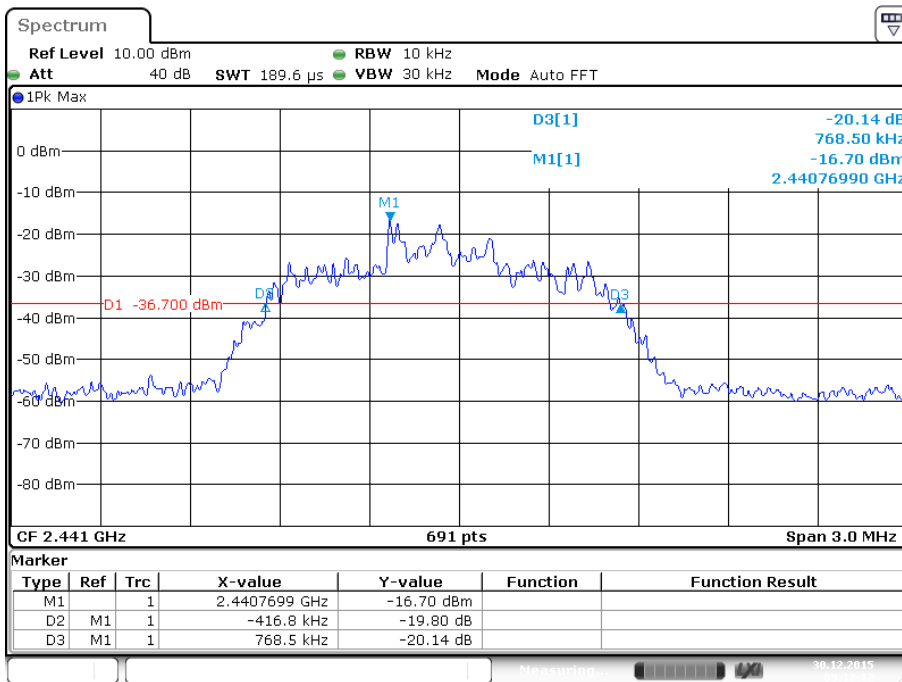
EDR Mode, 3DH1



Date: 30.DEC.2015 09:10:22



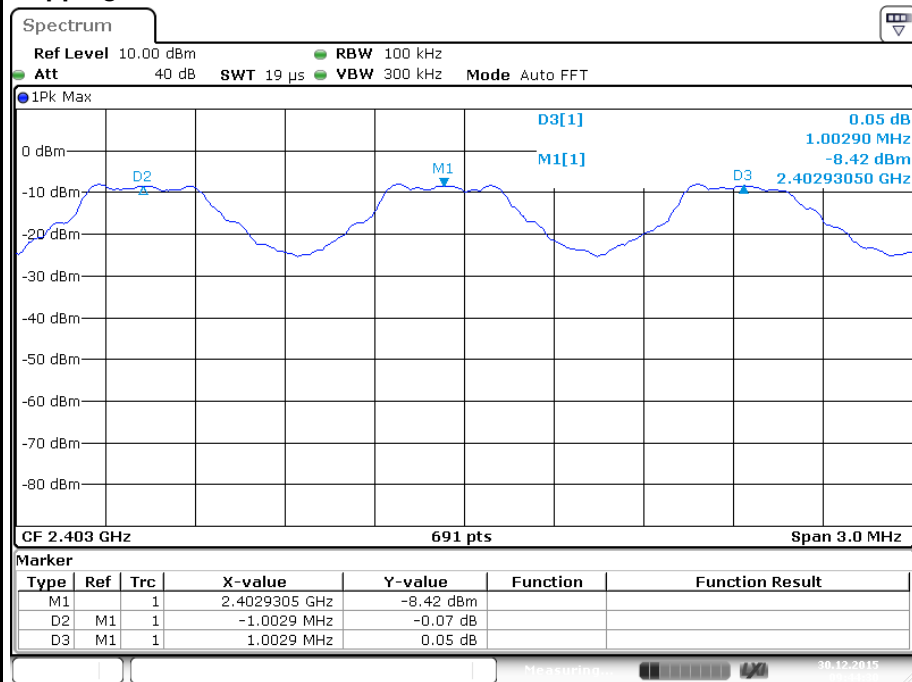
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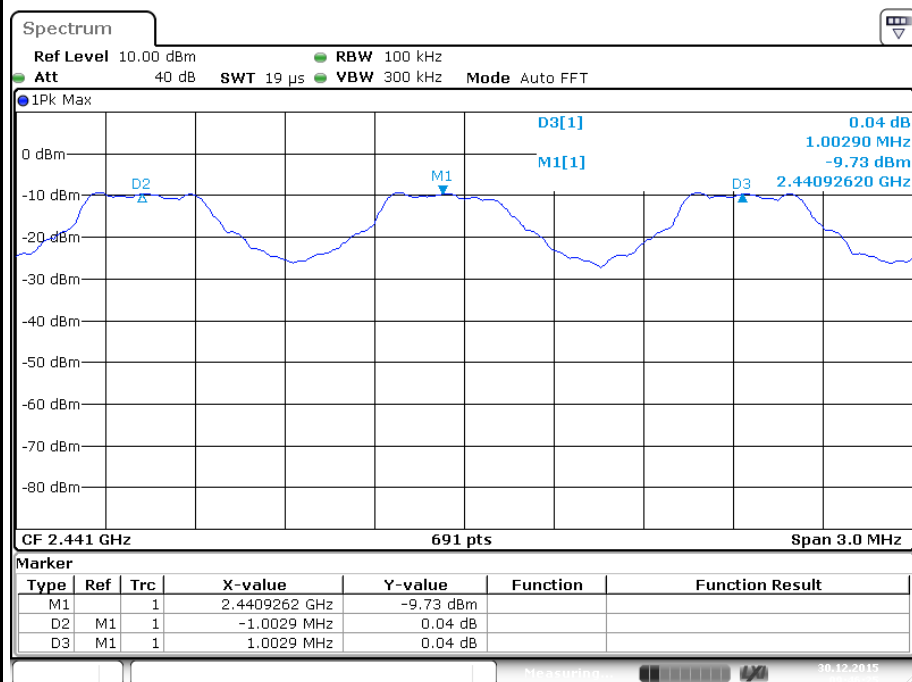
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Appendix A.4: Carrier Frequency Separation

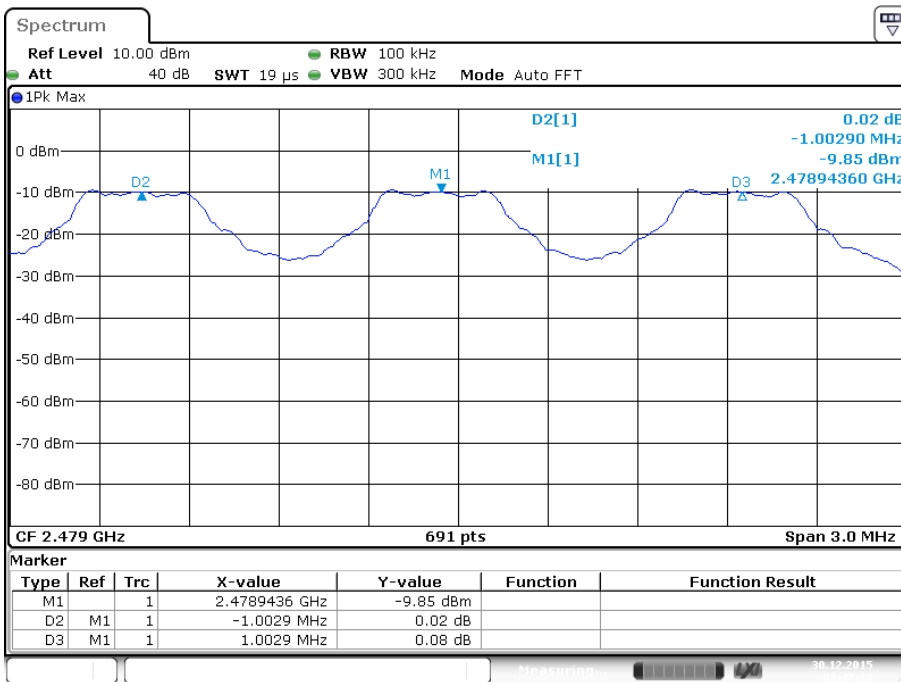
Hopping Mode



Date: 30.DEC.2015 09:44:29



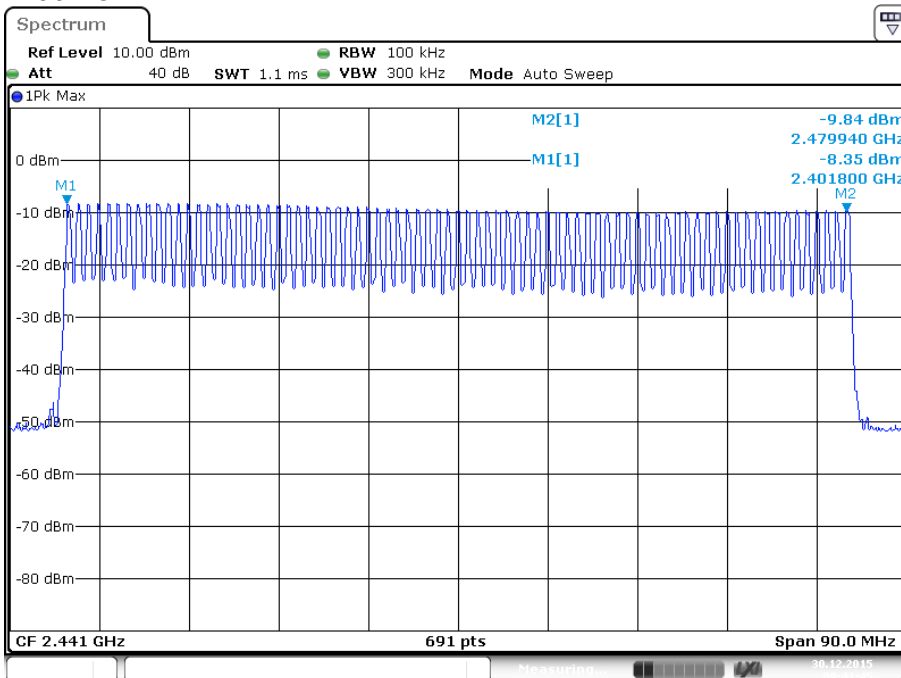
Date: 30.DEC.2015 09:46:25



Date: 30.DEC.2015 09:47:30

Appendix A.5: Number of Hopping Frequency

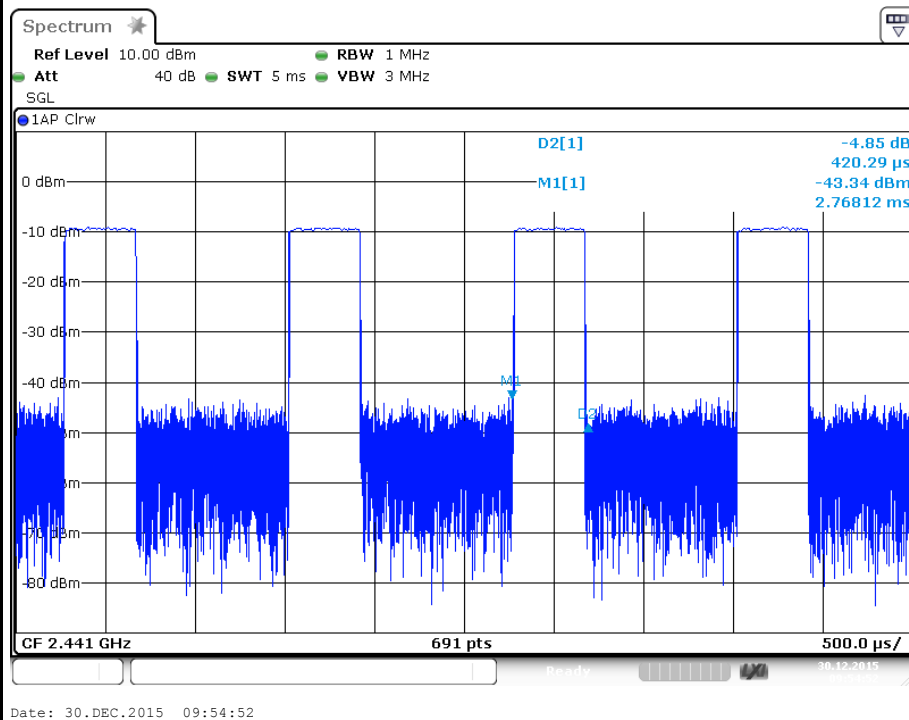
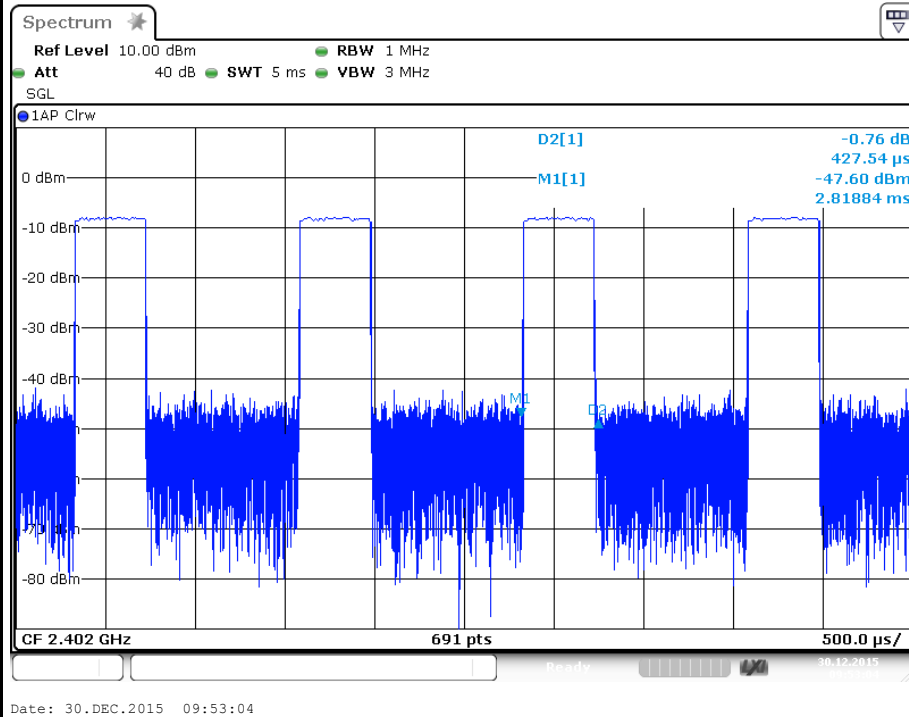
Hopping Mode

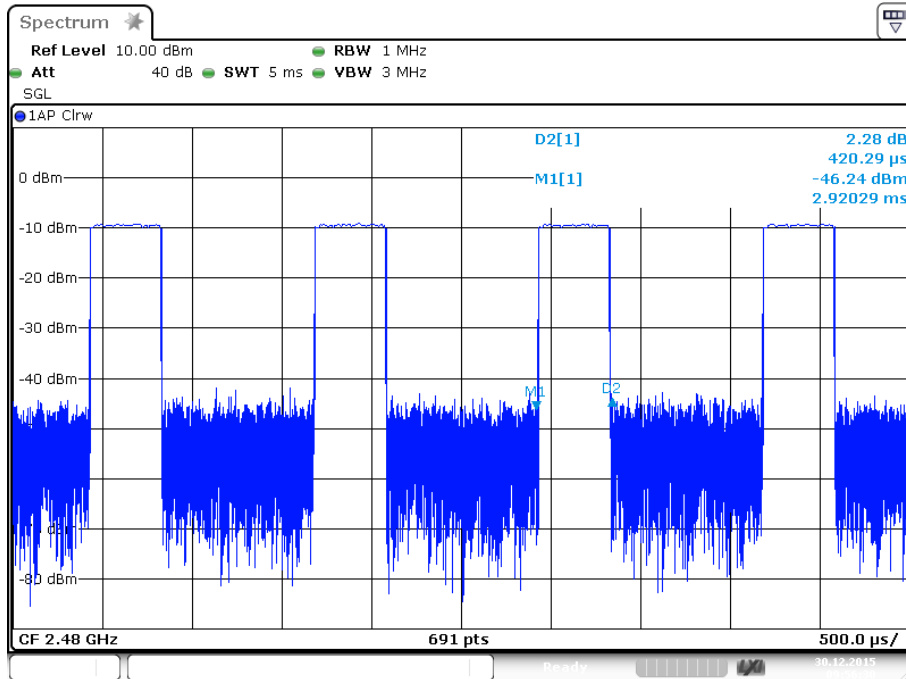


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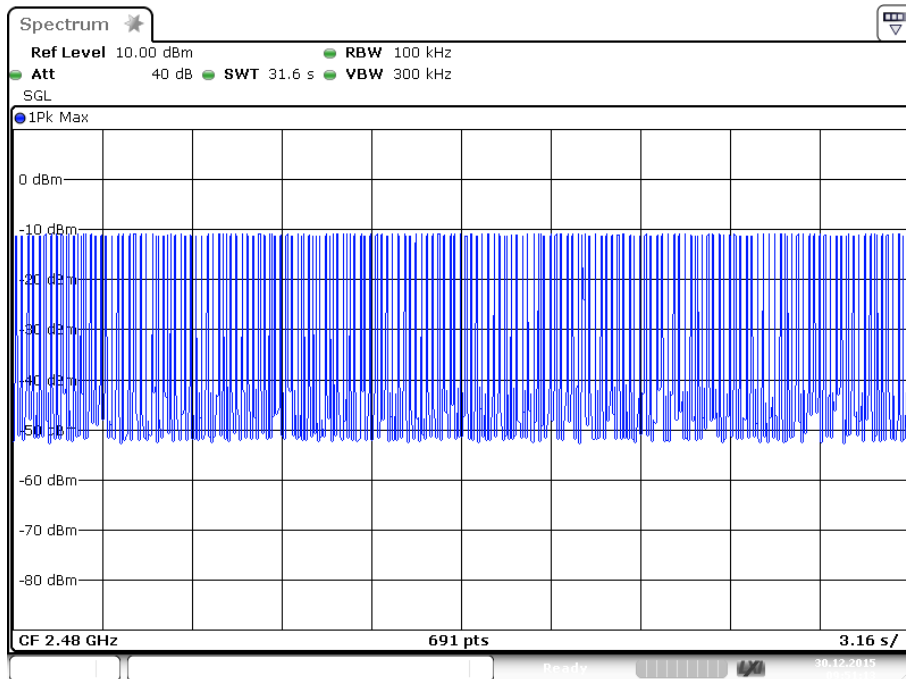
Appendix A.6: Time of Occupancy

BDR Mode, DH1

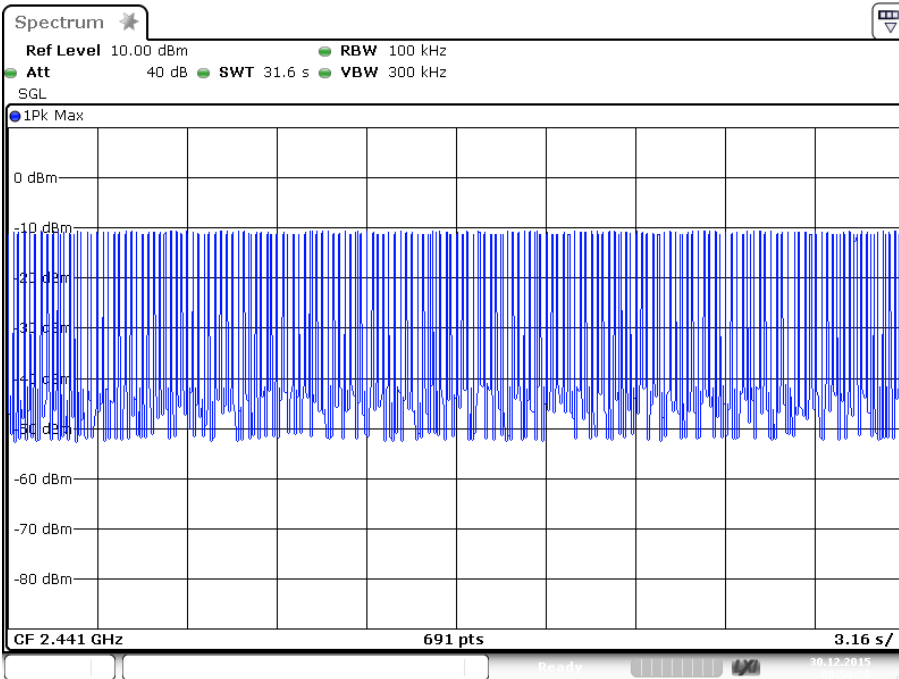




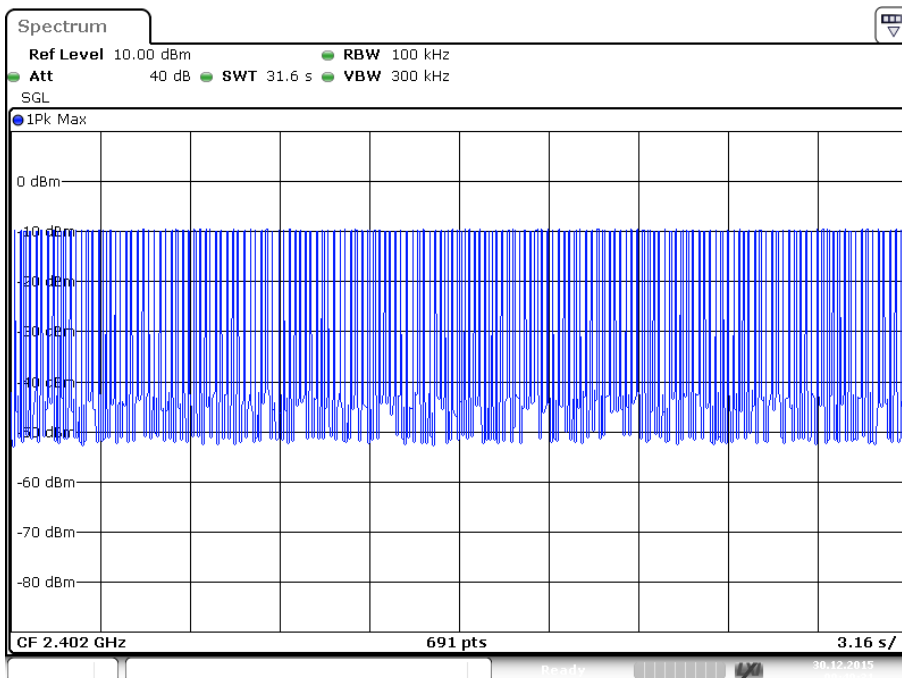
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Date: 30.DEC.2015 09:51:13

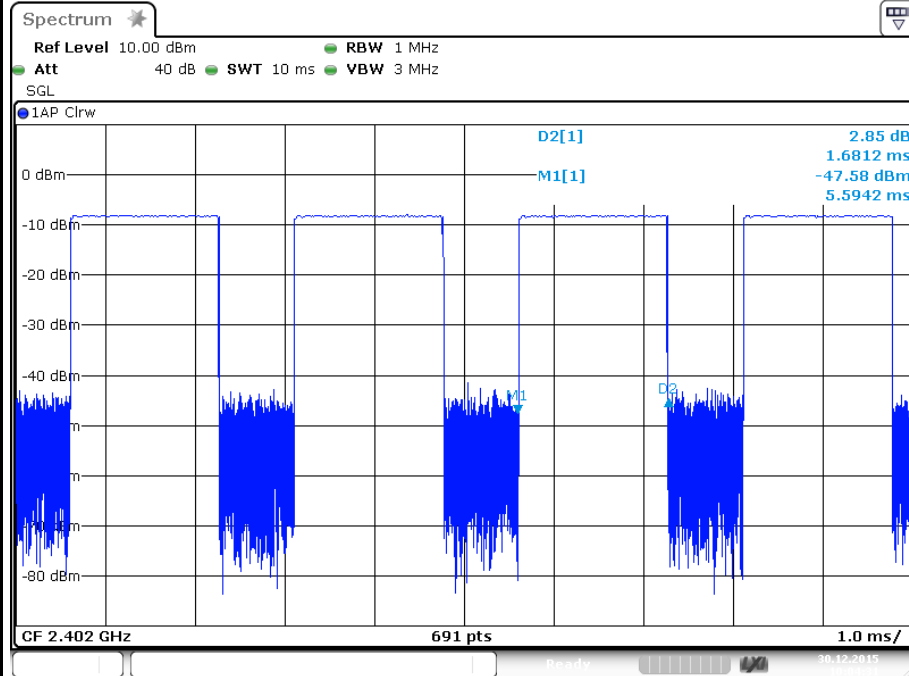


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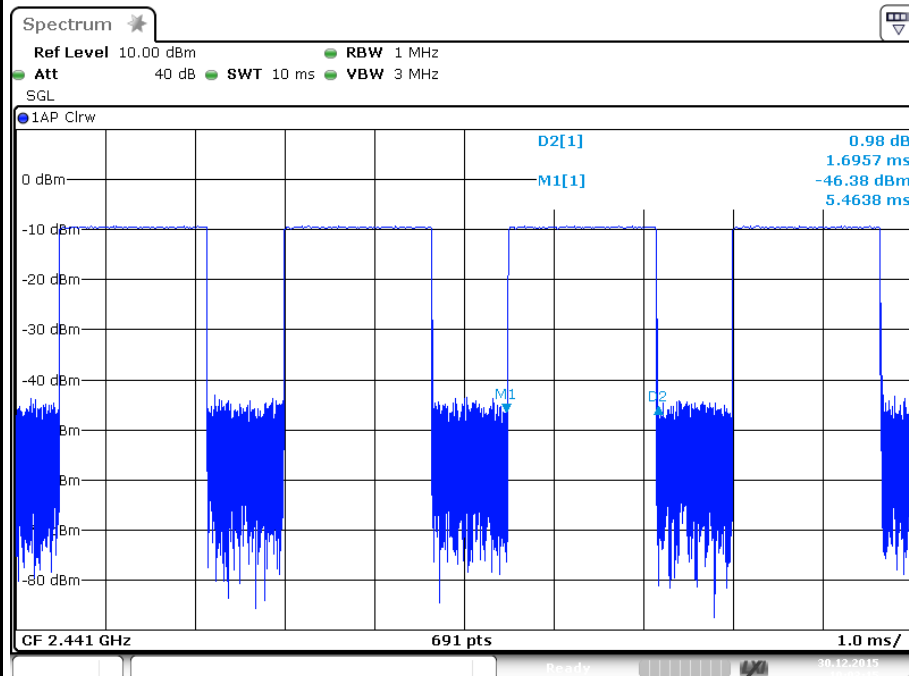


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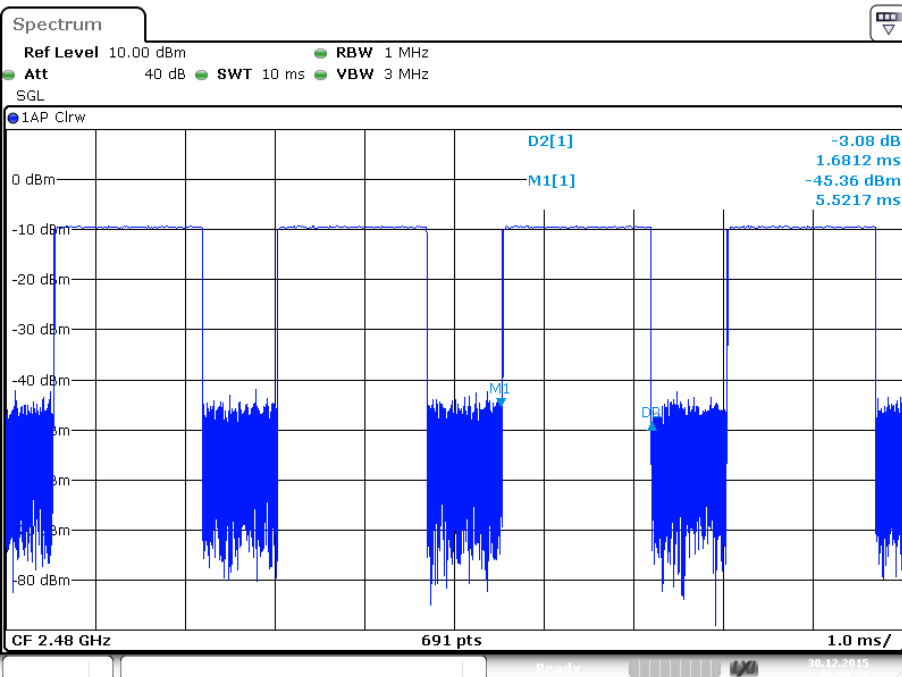
BDR Mode, DH3



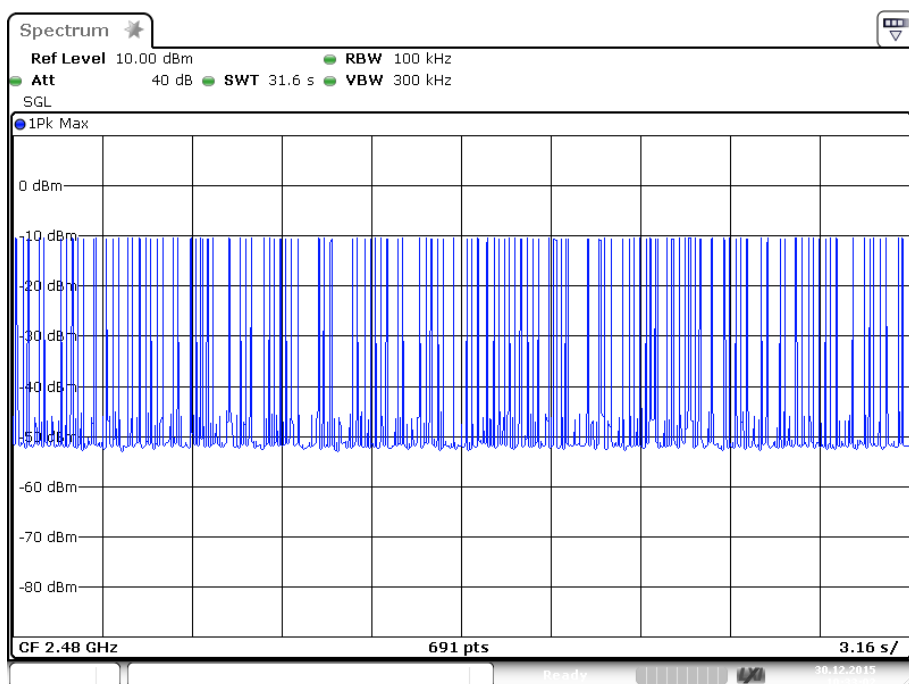
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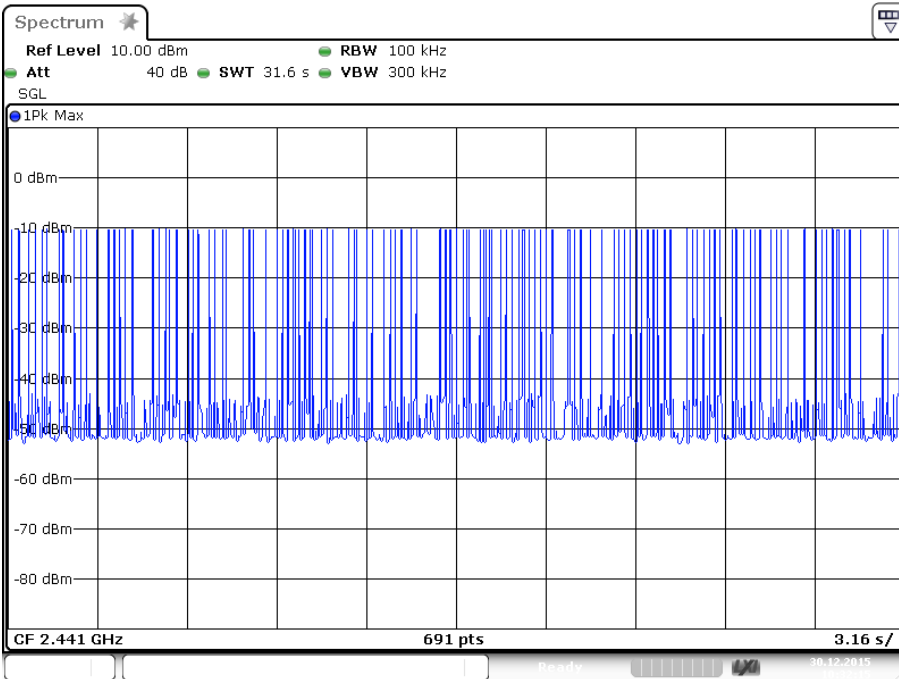
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Produkte
Products

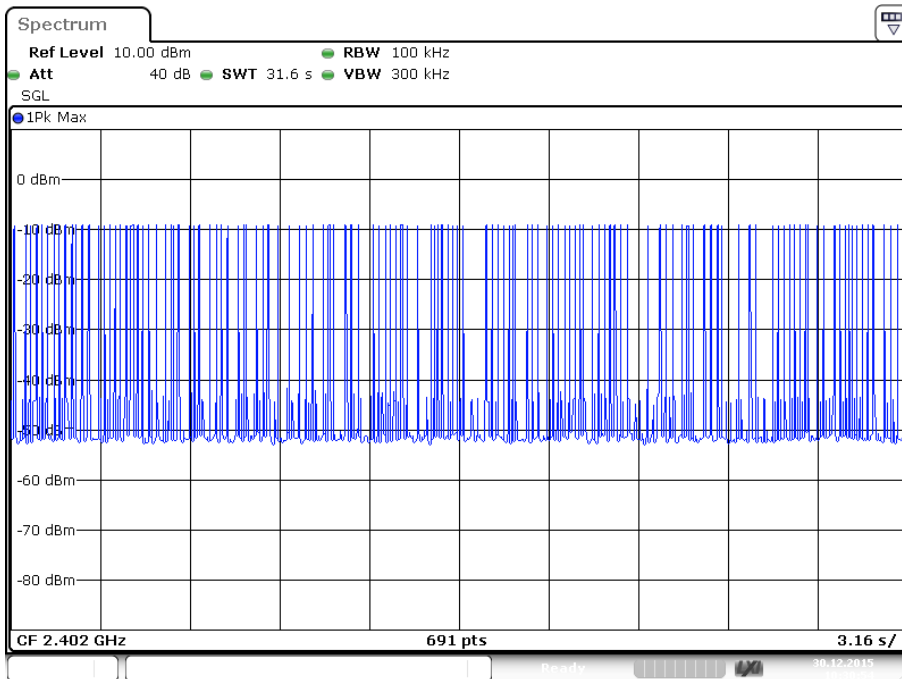
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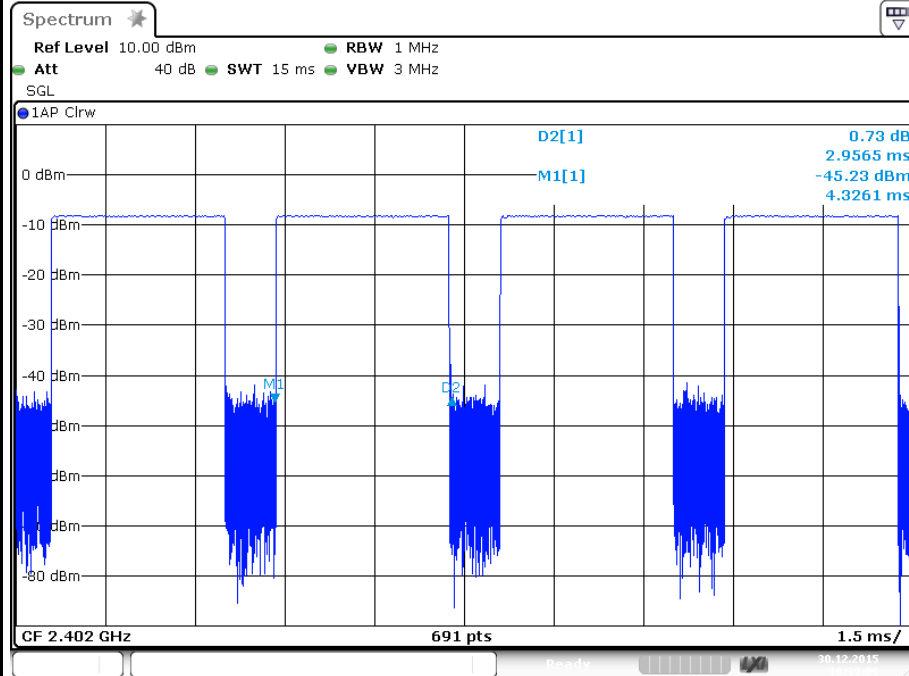


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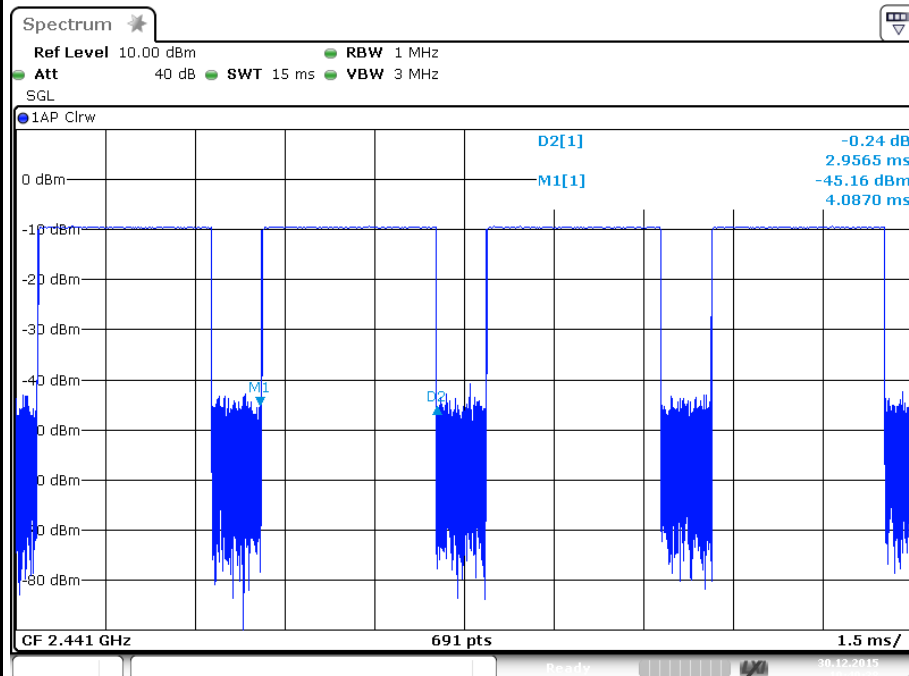


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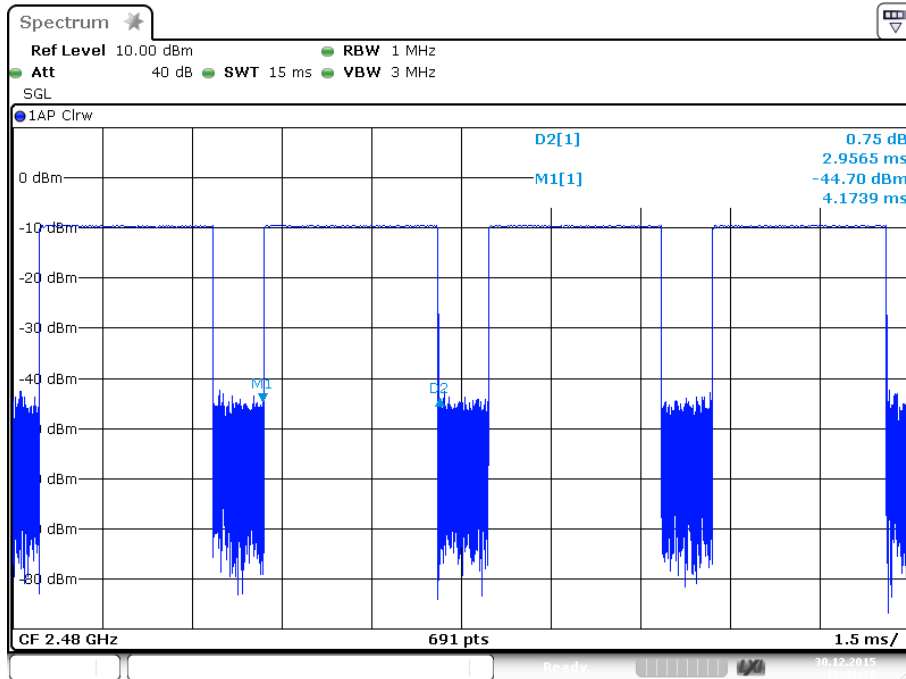
BDR Mode, DH5



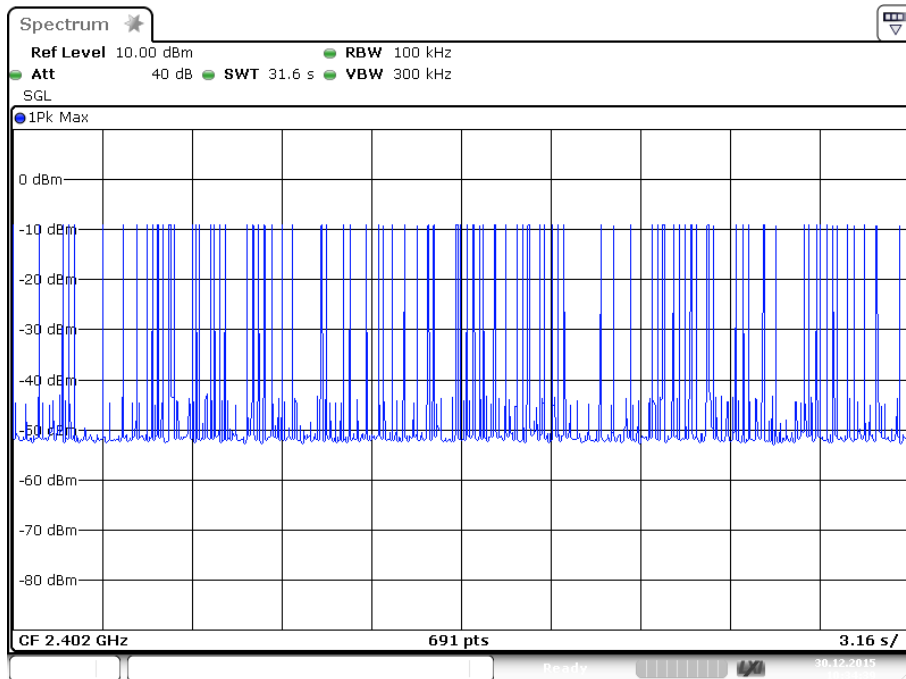
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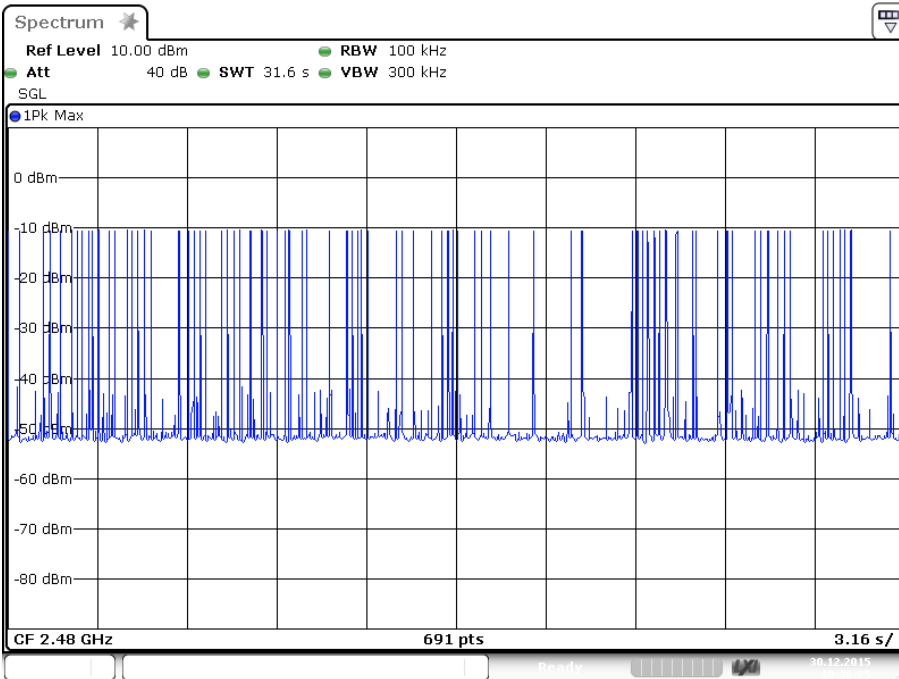
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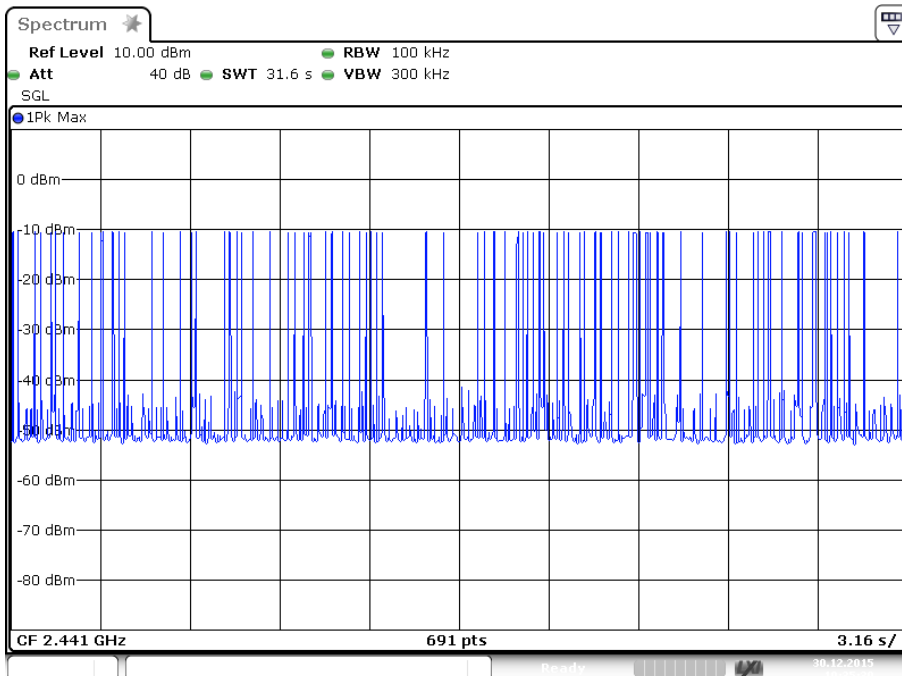
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Date: 30.DEC.2015 10:34:39

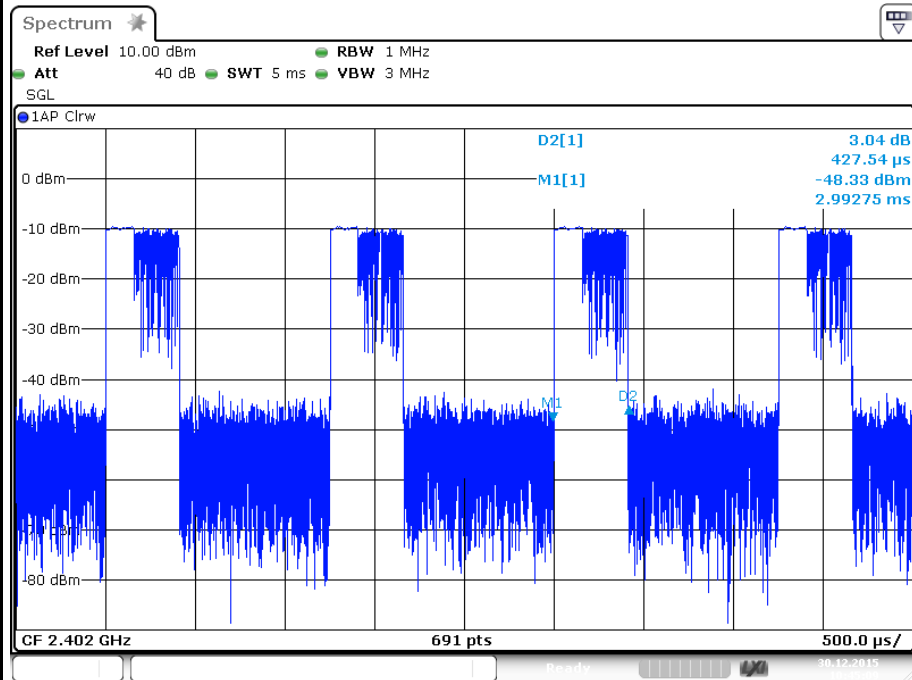


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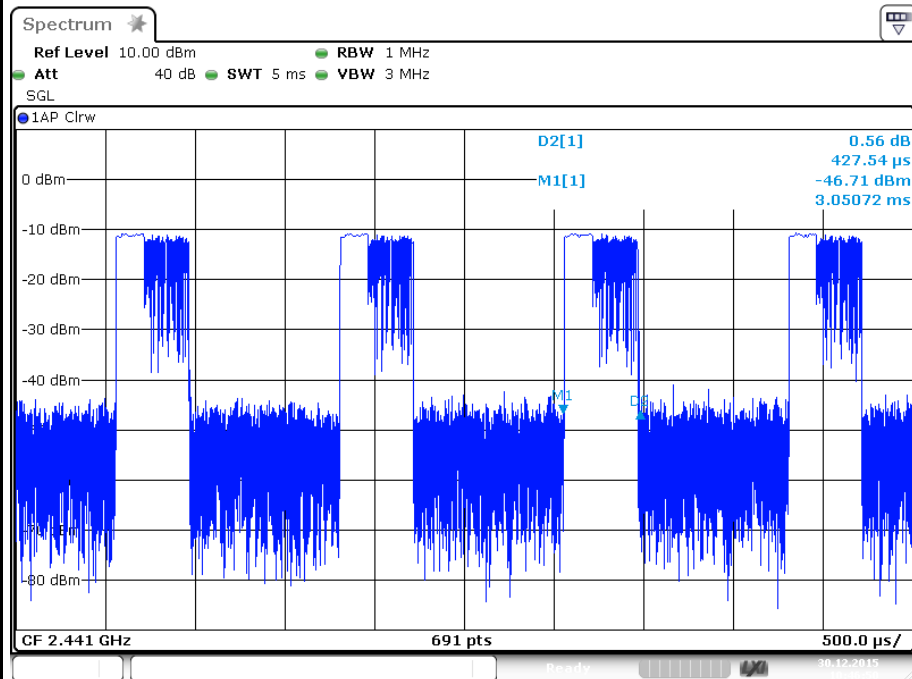


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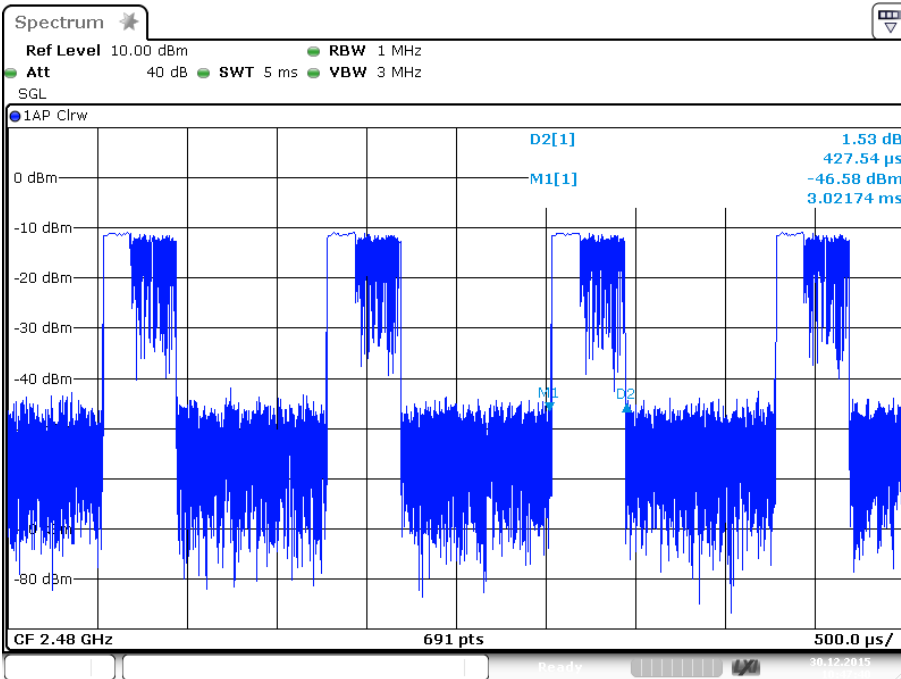
EDR Mode, 3DH1



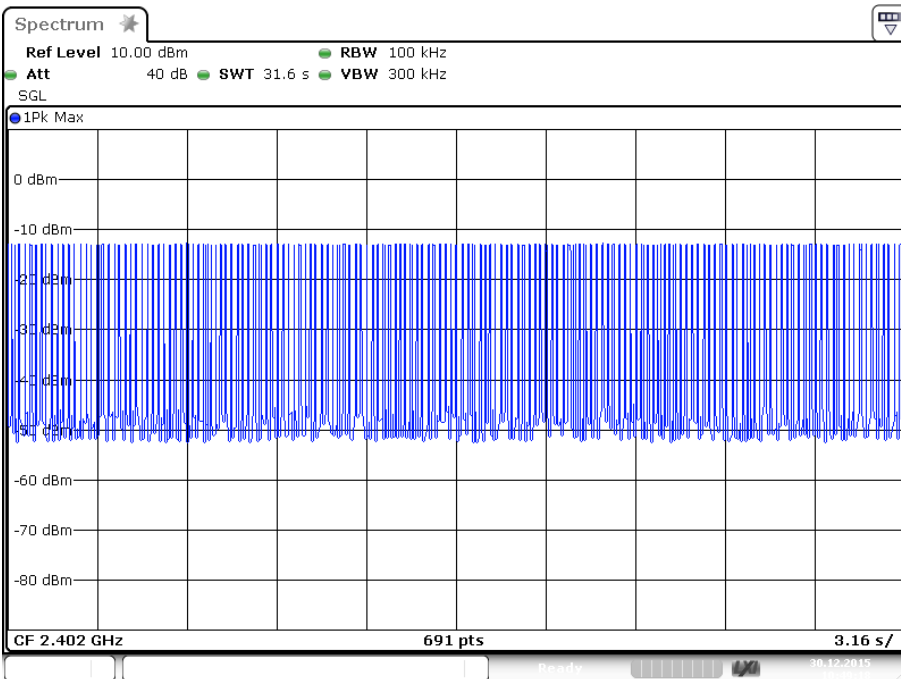
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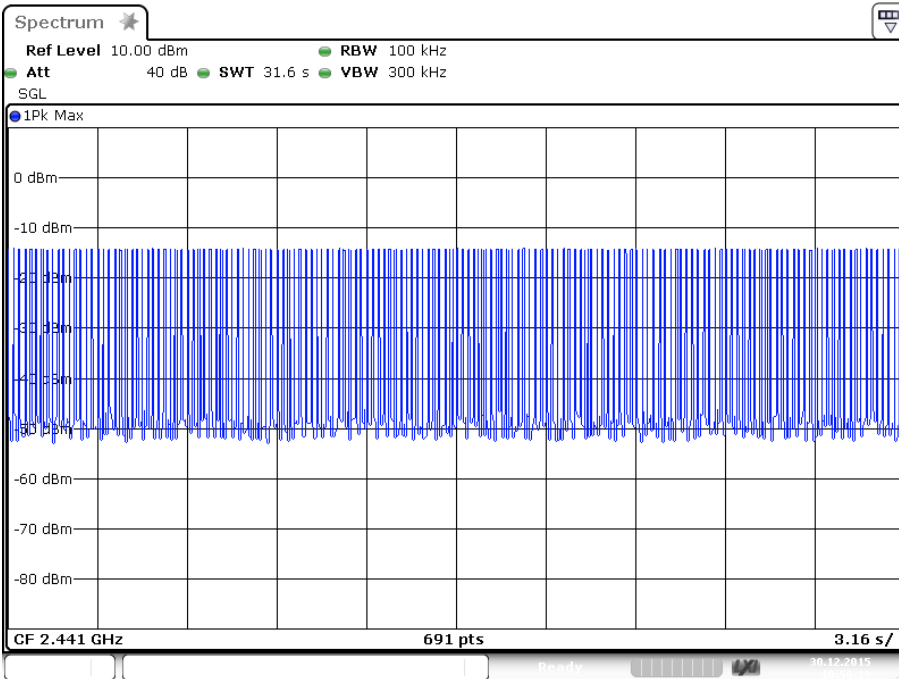
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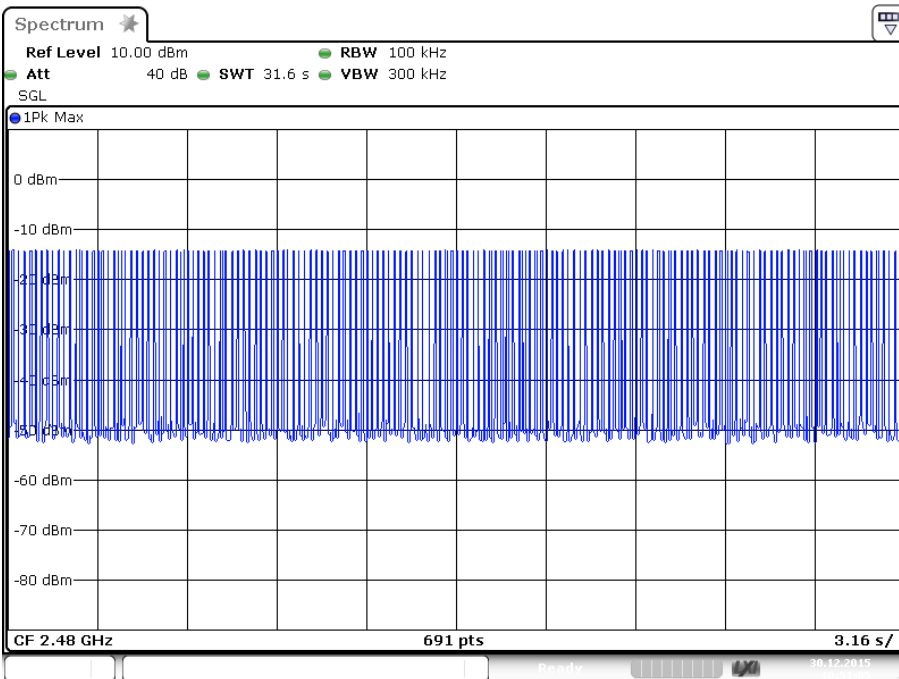
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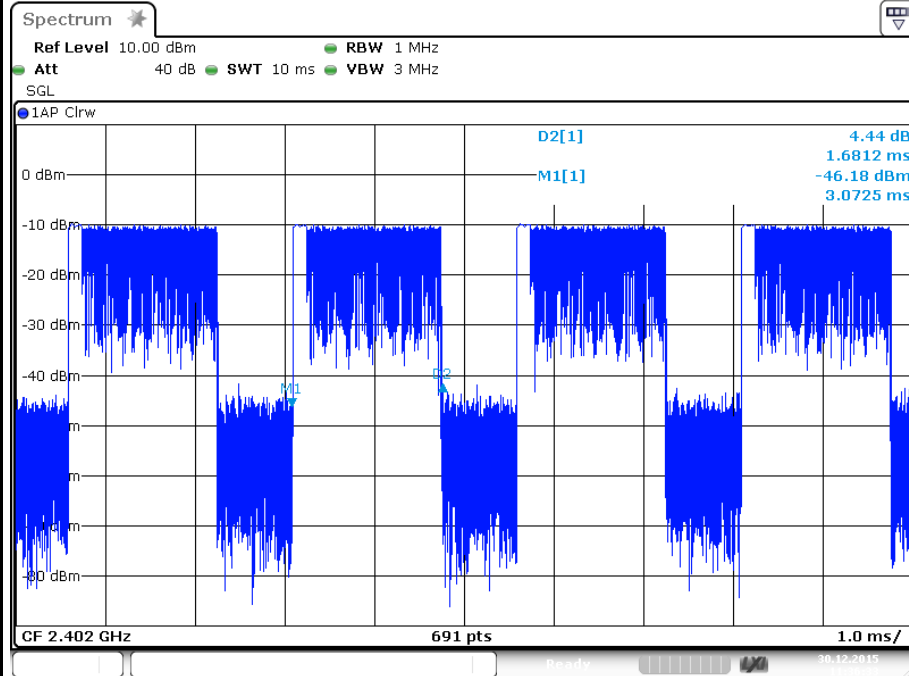


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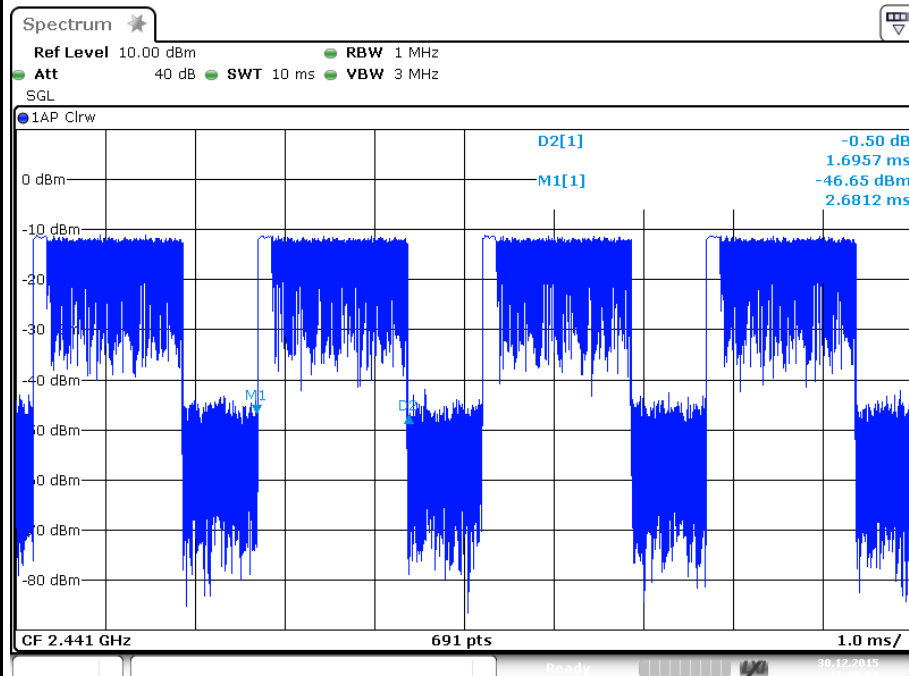


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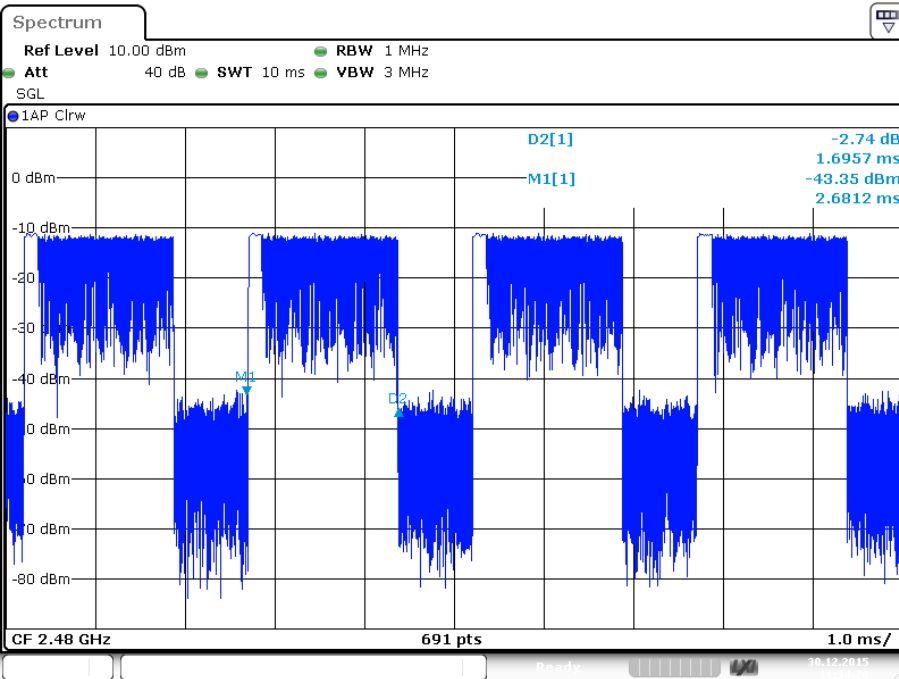
EDR Mode, 3DH3



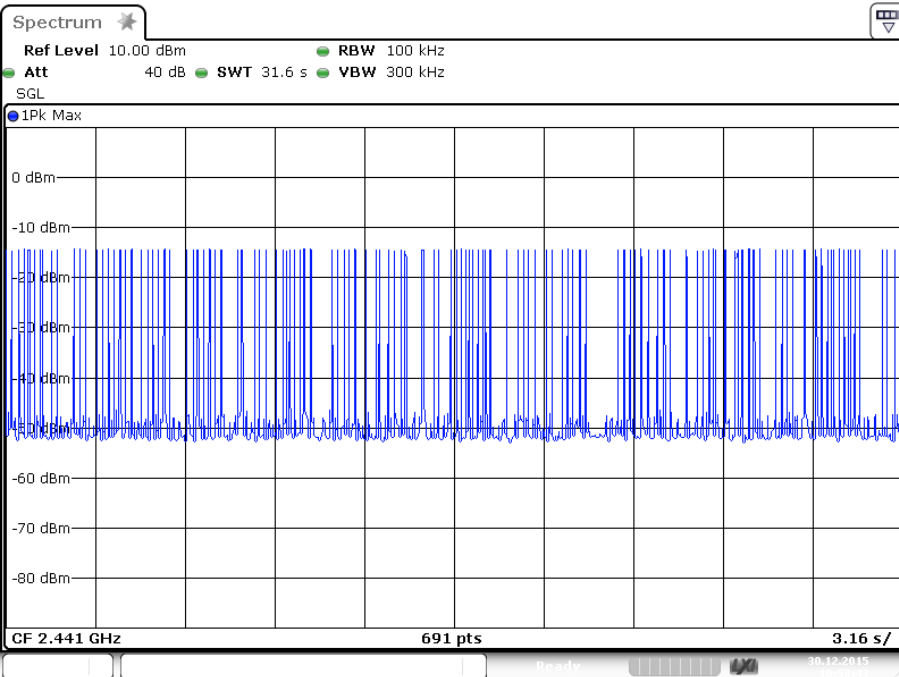
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Date: 30.DEC.2015 11:35:31



Date: 30.DEC.2015 11:34:28

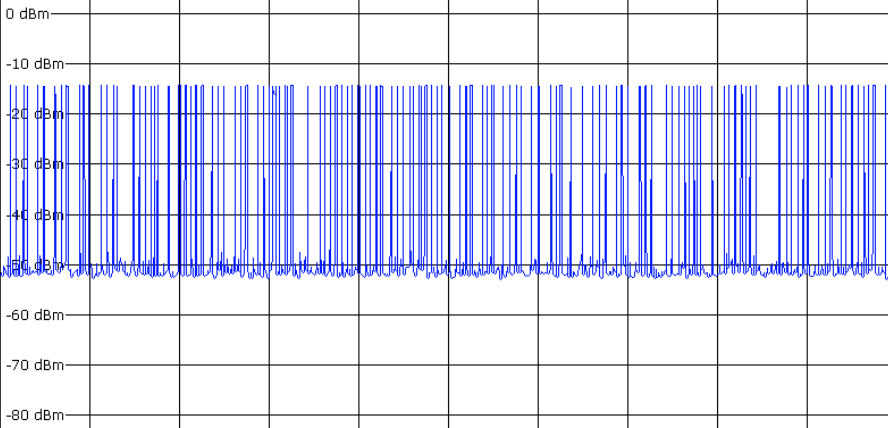


Date: 30.DEC.2015 10:53:43

Spectrum

Ref Level 10.00 dBm RBW 100 kHz
Att 40 dB SWT 31.6 s VBW 300 kHz
SGL

1Pk Max

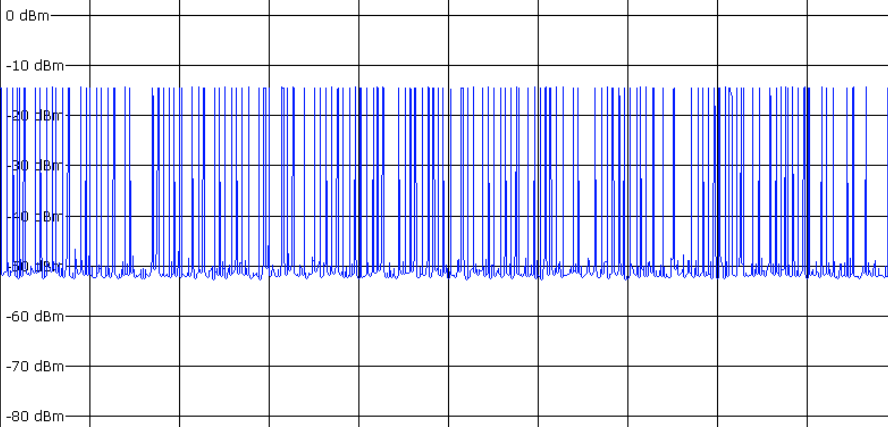


Date: 30.DEC.2015 10:52:47

Spectrum

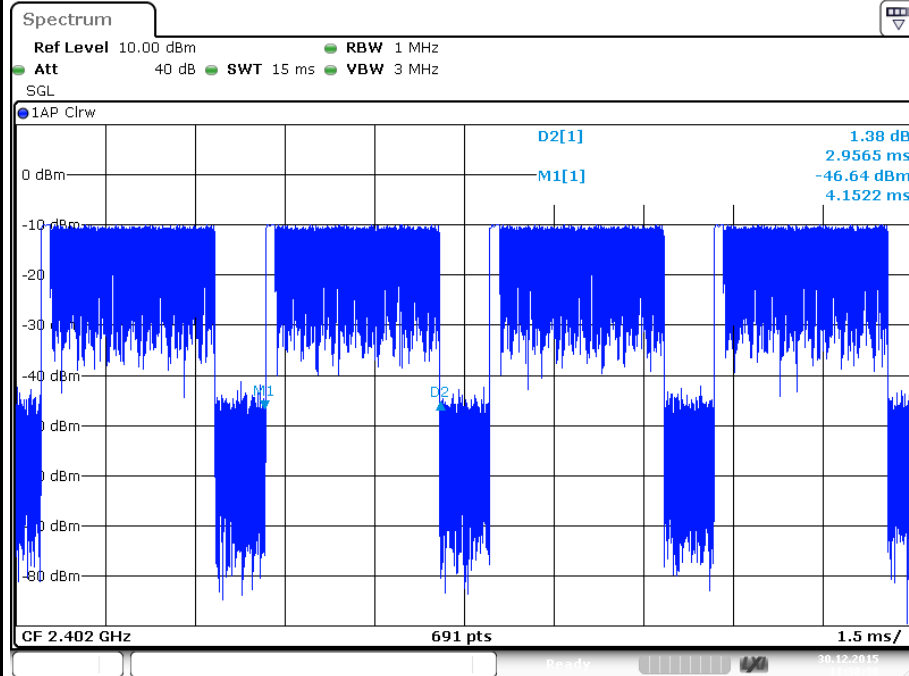
Ref Level 10.00 dBm RBW 100 kHz
Att 40 dB SWT 31.6 s VBW 300 kHz
SGL

1Pk Max

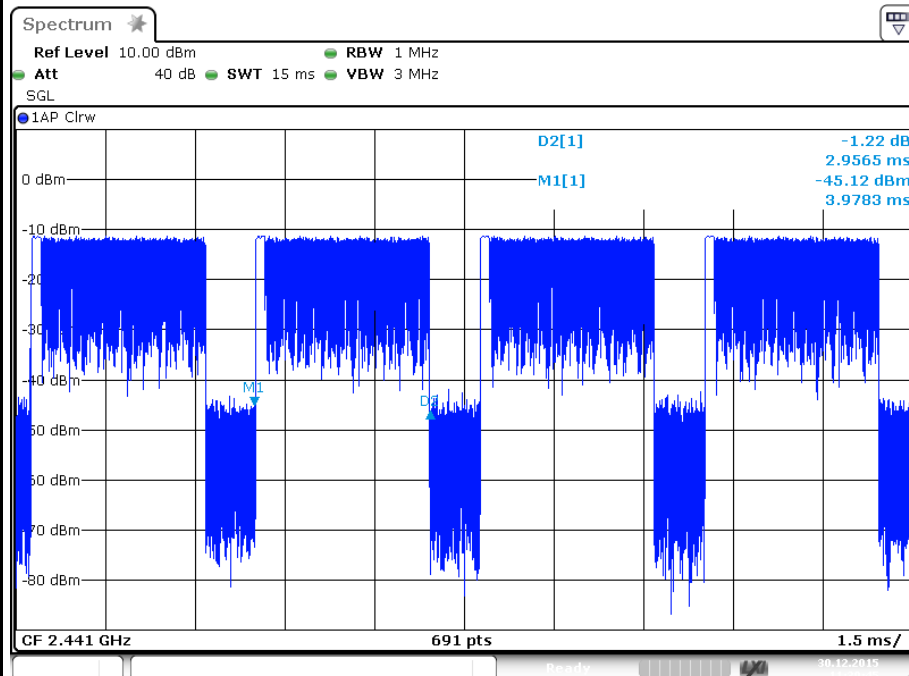


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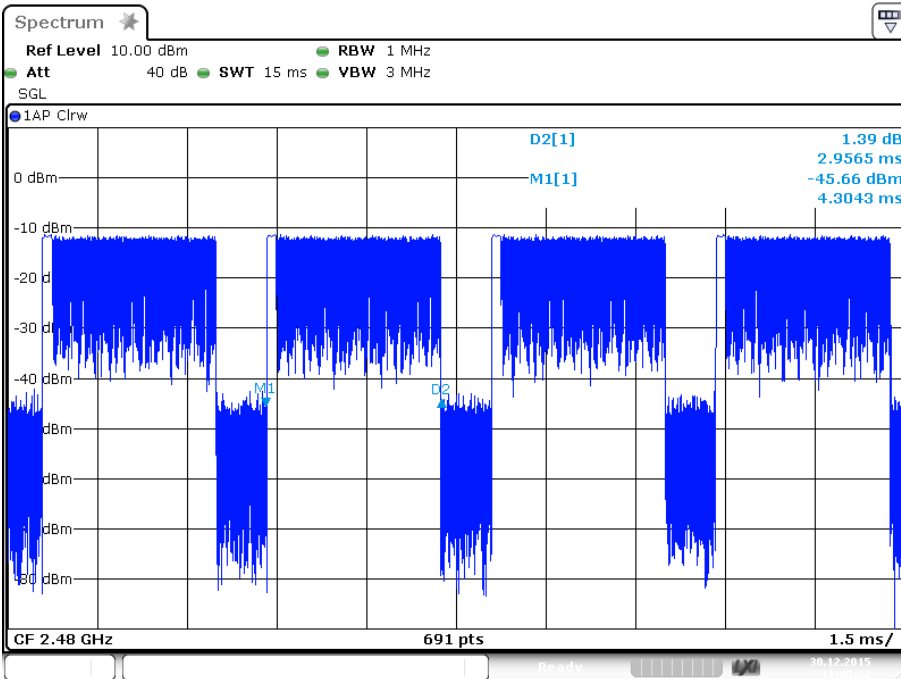
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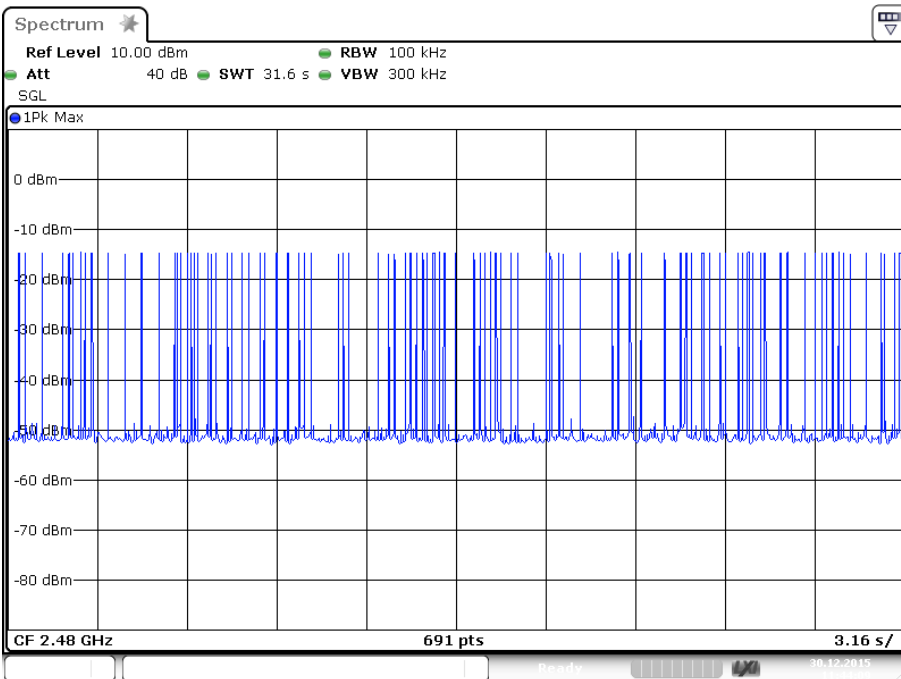
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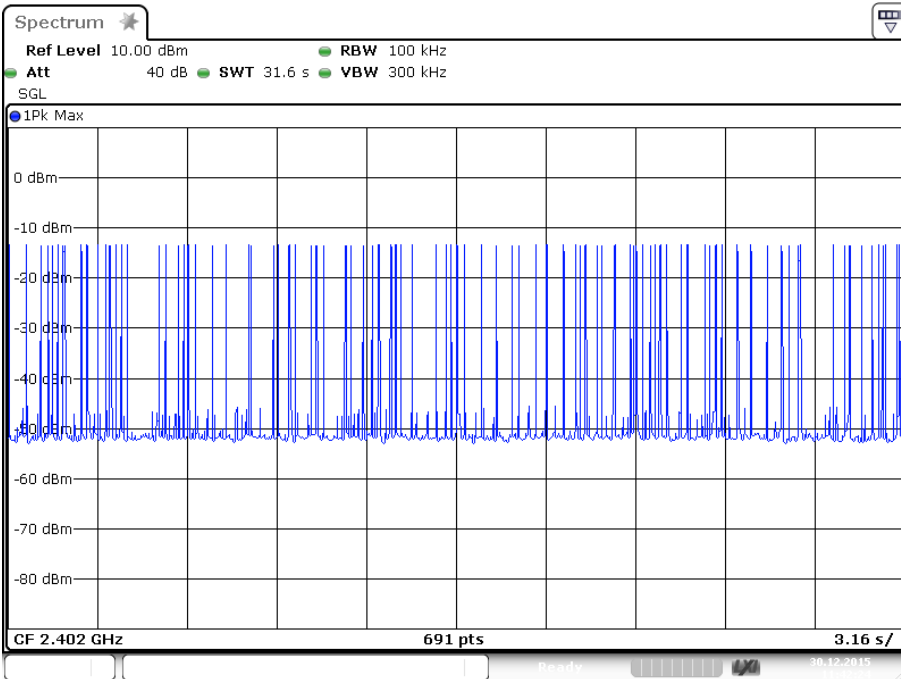
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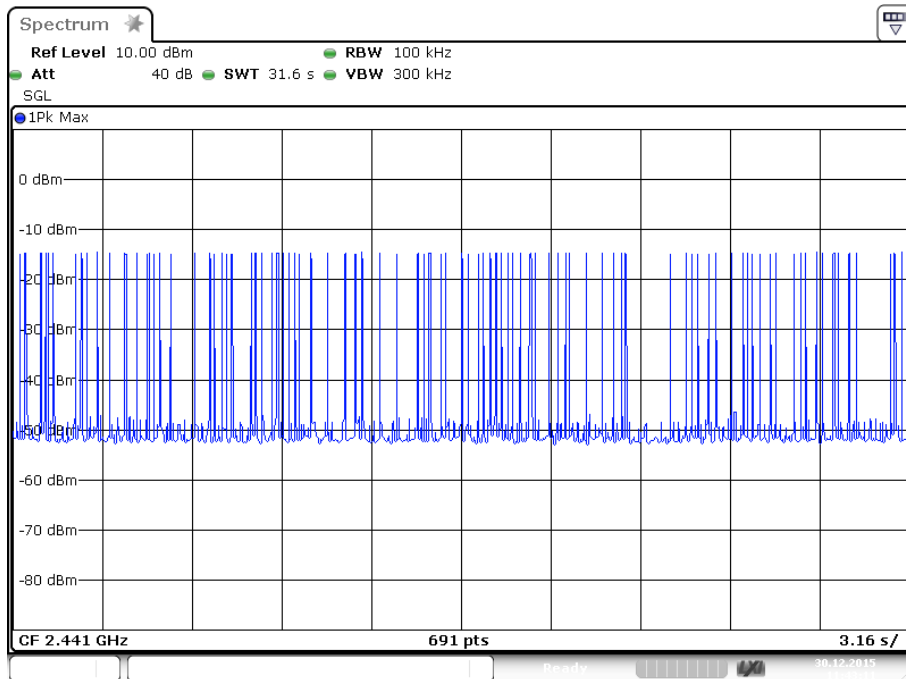
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Date: 30.DEC.2015 11:42:24



Date: 30.DEC.2015 11:43:11

Appendix B

Test Results of Bluetooth 3.0+HS of Radiated Testing

APPENDIX B.1: TEST PLOTS OF RADIATED SPURIOUS EMISSION	2
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Note: The measurements with active loop antenna were greater than 20dB below the limit, so Radiated Spurious Emissions (9kHz – 30MHz) tests were applied on BDR mode only.

Appendix B.1: Test Plots of Radiated Spurious Emission

9KHz - 30MHz

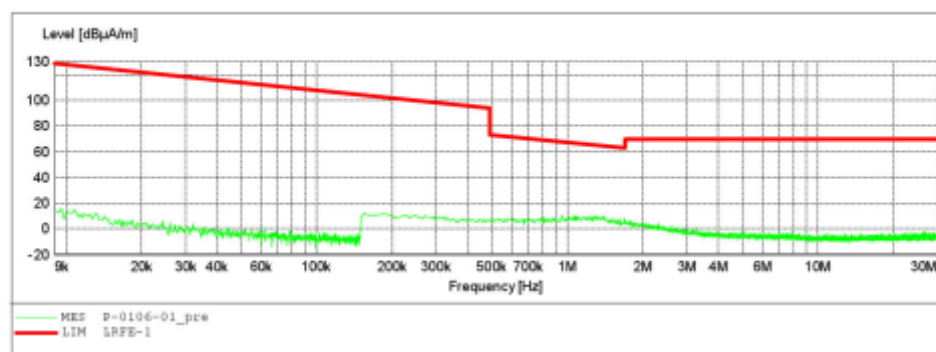
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: Razor Headphones M/N:6278701
 Manufacturer: Primark Stores Limited
 Operating Condition: TX 2402MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2016-1-6 /

SCAN TABLE: "LFRE Fin"

Short Description:			_SUB STD VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



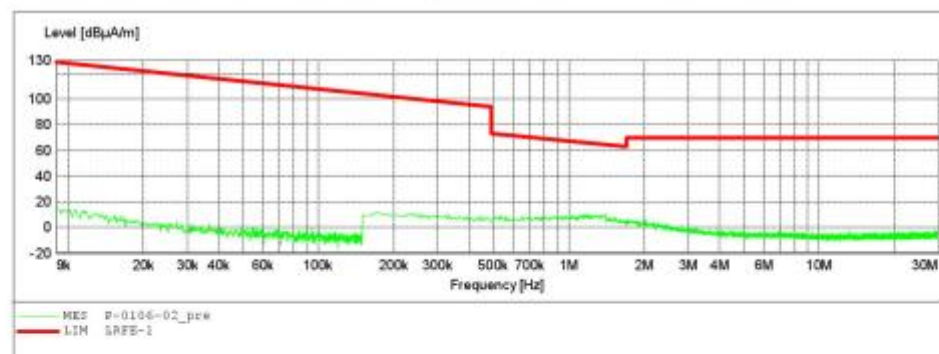
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3M Radiated

EUT: Razor Headphones M/N:6278701
 Manufacturer: Primark Stores Limited
 Operating Condition: TX 2441MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2016-1-6 /

SCAN TABLE: "LFRE Fin"

Short Description:			SUB_STD_VTERM2 1.70			
Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



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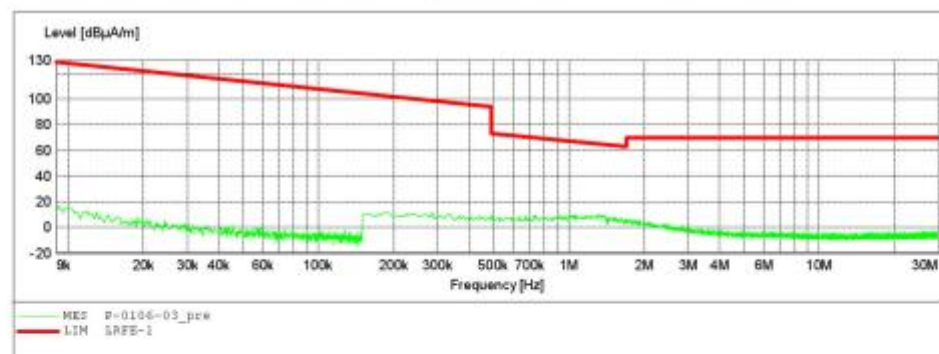
FCC Class B 3M Radiated

EUT: Razor Headphones M/N:6278701
 Manufacturer: Primark Stores Limited
 Operating Condition: TX 2480MHz
 Test Site: 2# Chamber
 Operator: LAN
 Test Specification: DC 3.7V
 Comment: X
 Start of Test: 2016-1-6 /

SCAN TABLE: "LFRE Fin"

Short Description: _SUB_STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



30MHz - 1GHz



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2015 #2352

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2402MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Horizontal

Power Source: DC 3.7V

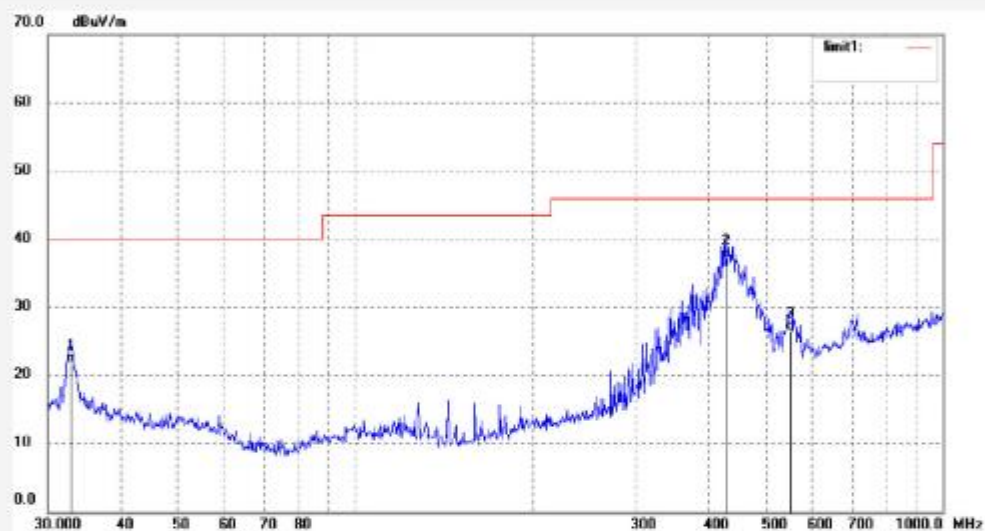
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Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.8637	31.16	-9.36	21.80	40.00	-18.20	QP			
2	428.0192	43.29	-6.09	37.20	46.00	-8.80	QP			
3	550.9479	30.06	-3.59	26.47	46.00	-19.53	QP			



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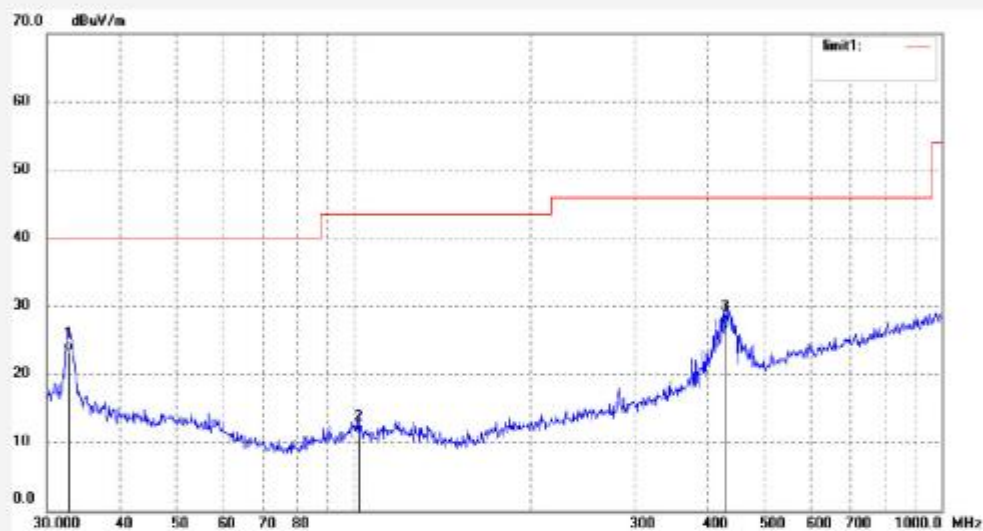
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2015 #2353
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2402MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 16/01/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	32.27	-8.90	23.37	40.00	-16.63	QP			
2	101.6443	24.24	-13.00	11.24	43.50	-32.26	QP			
3	428.0192	33.50	-6.09	27.41	46.00	-18.59	QP			



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Fax:+86-0755-26503396

Job No.: LGW2015 #2354

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2441MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 3.7V

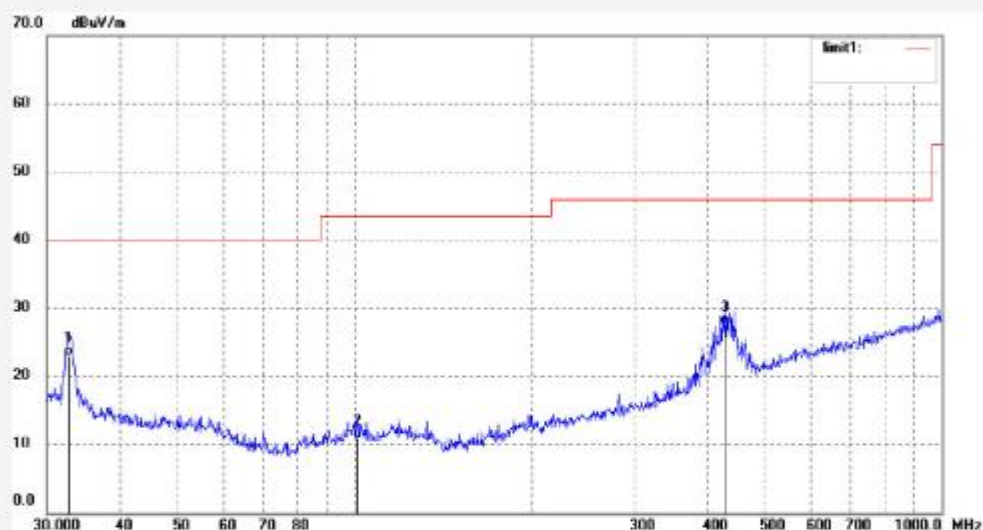
Date: 16/01/07/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	31.97	-8.90	23.07	40.00	-16.93	QP			
2	101.2883	23.95	-12.94	11.01	43.50	-32.49	QP			
3	428.0192	33.73	-6.09	27.64	46.00	-18.36	QP			



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Job No.: LGW2015 #2355

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2441MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Horizontal

Power Source: DC 3.7V

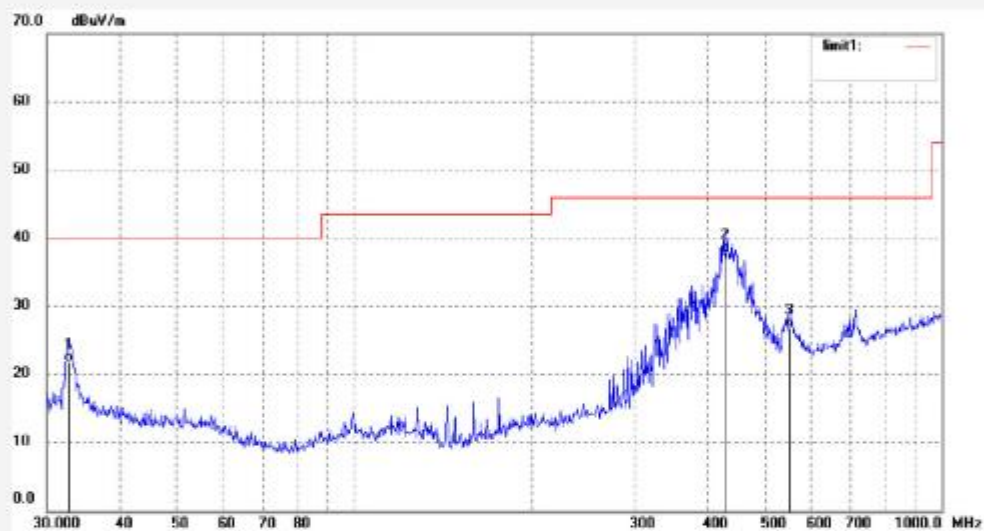
Date: 16/01/07/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	31.13	-9.35	21.78	40.00	-18.22	QP			
2	428.0192	43.98	-6.09	37.89	46.00	-8.11	QP			
3	550.9479	30.43	-3.59	26.84	46.00	-19.16	QP			



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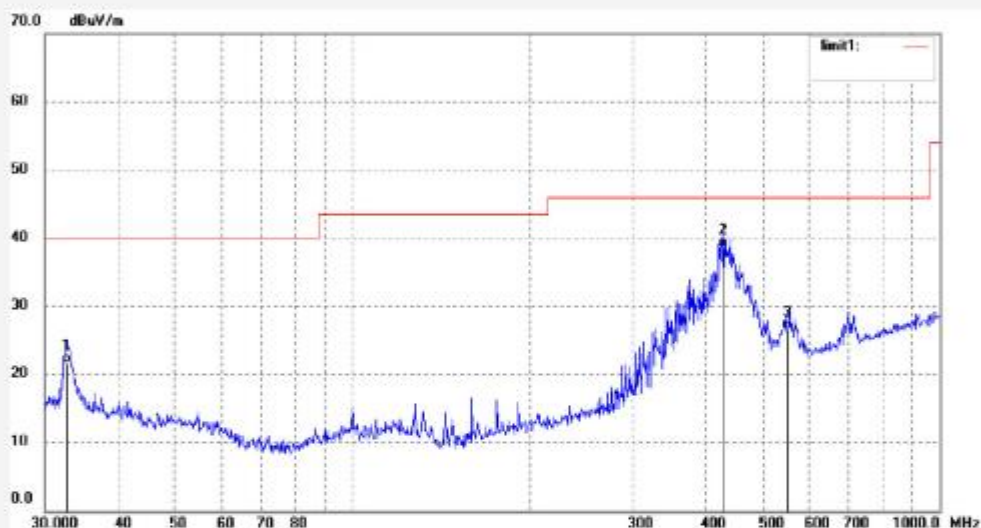
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2015 #2356
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 16/01/07/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	30.89	-9.35	21.54	40.00	-18.46	QP			
2	428.0192	44.76	-6.09	38.67	46.00	-7.33	QP			
3	550.9479	30.04	-3.59	26.45	46.00	-19.55	QP			



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Fax:+86-0755-26503396

Job No.: LGW2015 #2357

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2480MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 3.7V

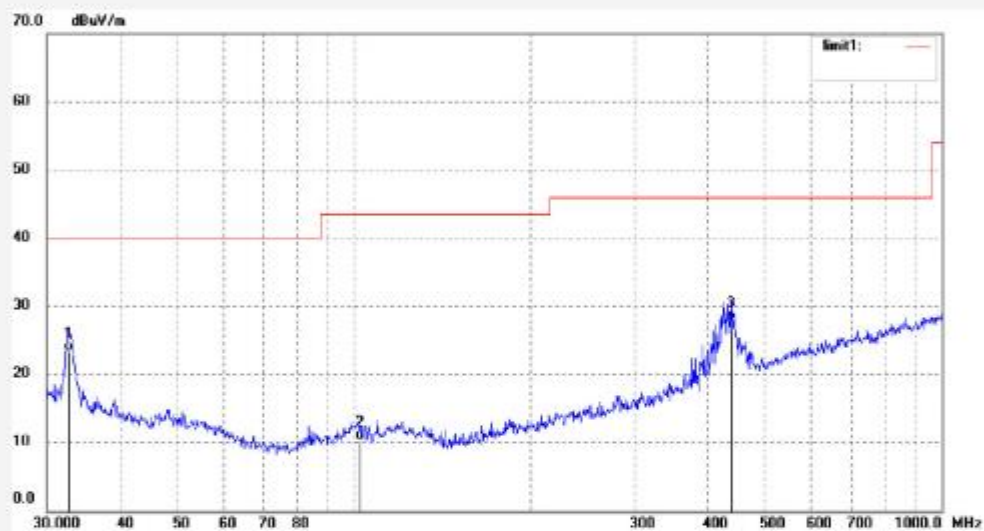
Date: 16/01/07/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	32.7486	32.21	-8.90	23.31	40.00	-16.69	QP			
2	102.3597	23.51	-13.11	10.40	43.50	-33.10	QP			
3	437.1198	33.75	-5.91	27.84	46.00	-18.16	QP			

1GHz - 18GHz



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Fax:+86-0755-26503396

Job No.: Ian2015 #4060

Standard: FCC Class B 3M Radiated

Test Item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2402MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 3.7V

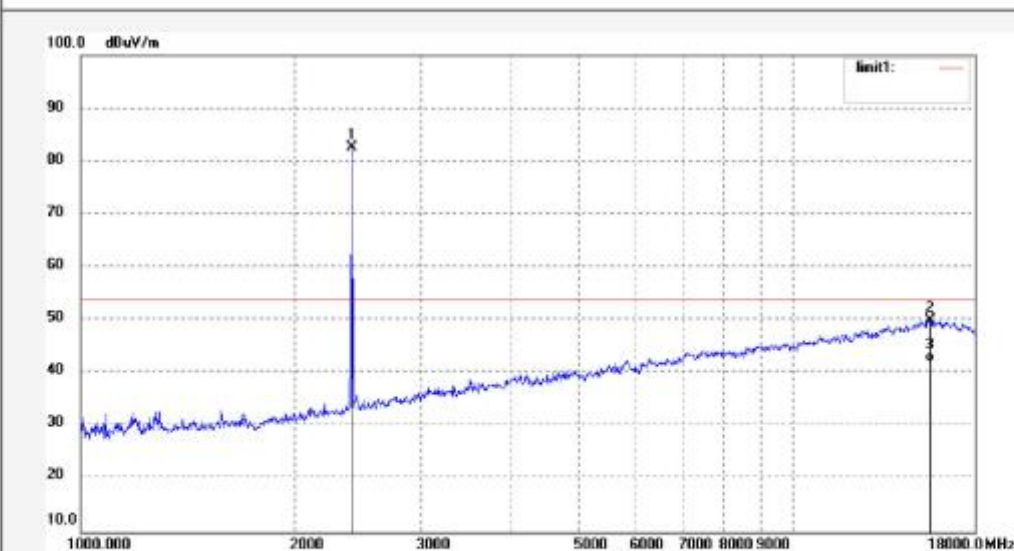
Date: 2015/12/24

Time:

Engineer Signature: PEI

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	89.97	-7.45	82.52	/	/	peak			
2	15577.025	9.85	40.08	49.93	74.00	-24.07	peak			
3	15577.025	1.92	40.08	42.00	54.00	-12.00	AVG			



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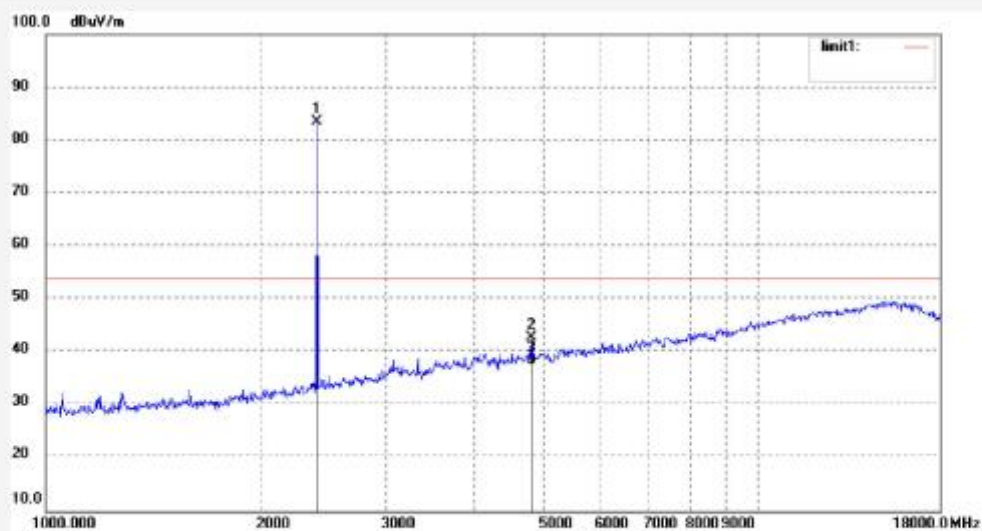
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4061
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2402MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	90.88	-7.45	83.43	/	/	peak			
2	4804.022	42.98	-0.30	42.68	74.00	-31.32	peak			
3	4804.022	37.81	-0.30	37.51	54.00	-16.49	AVG			



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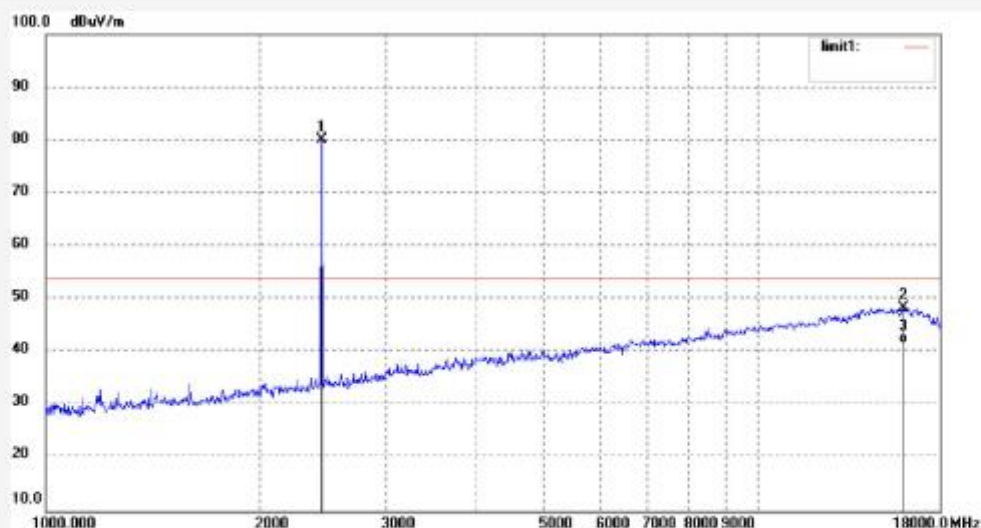
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4064
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2441MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	87.46	-7.35	80.11	/	/	peak			
2	15988.020	8.42	40.00	48.42	74.00	-25.58	peak			
3	15988.020	1.56	40.00	41.56	54.00	-12.44	AVG			



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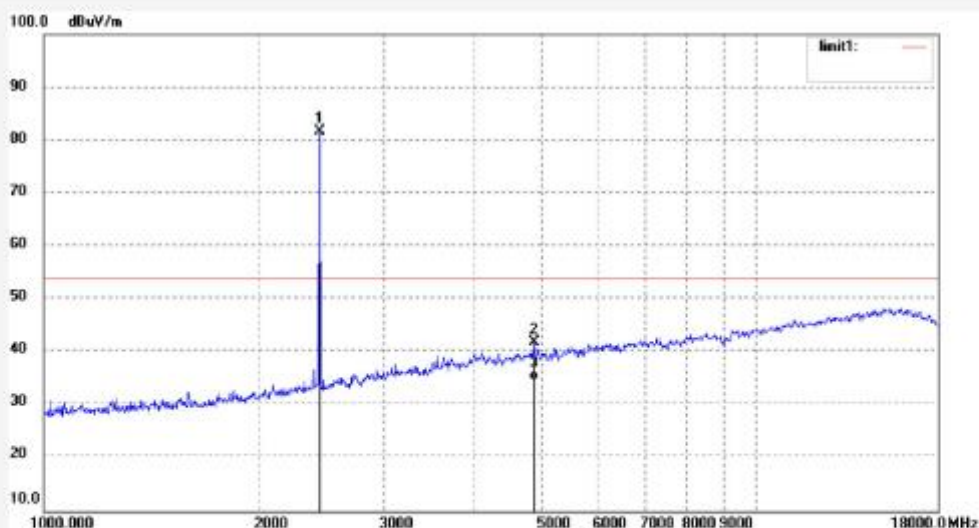
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: lan2015 #4065
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2441MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	89.08	-7.35	81.73	/	/	peak			
2	4882.019	41.59	0.14	41.73	74.00	-32.27	peak			
3	4882.019	34.46	0.14	34.60	54.00	-19.40	AVG			



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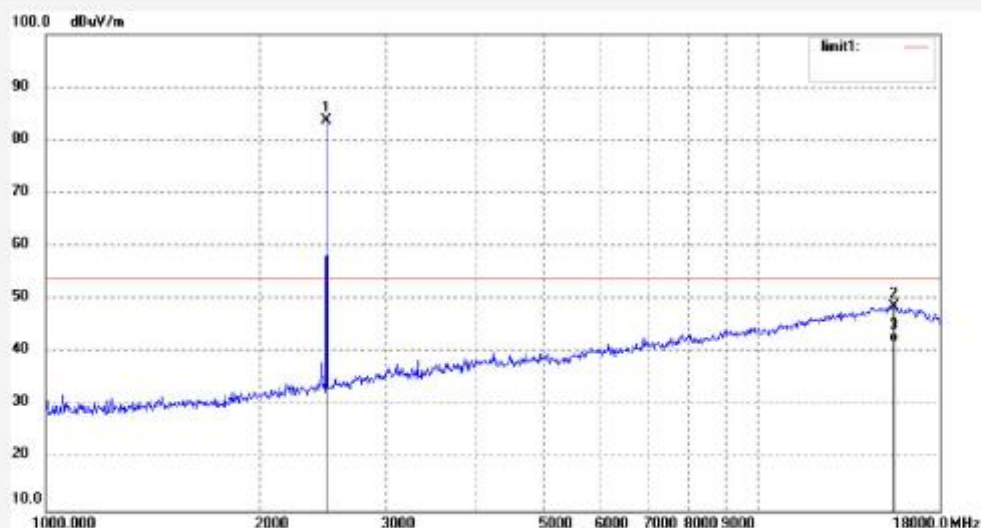
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4066
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	91.00	-7.37	83.63	/	/	peak			
2	15532.026	8.53	40.09	48.62	74.00	-25.38	peak			
3	15532.026	1.78	40.09	41.87	54.00	-12.13	AVG			



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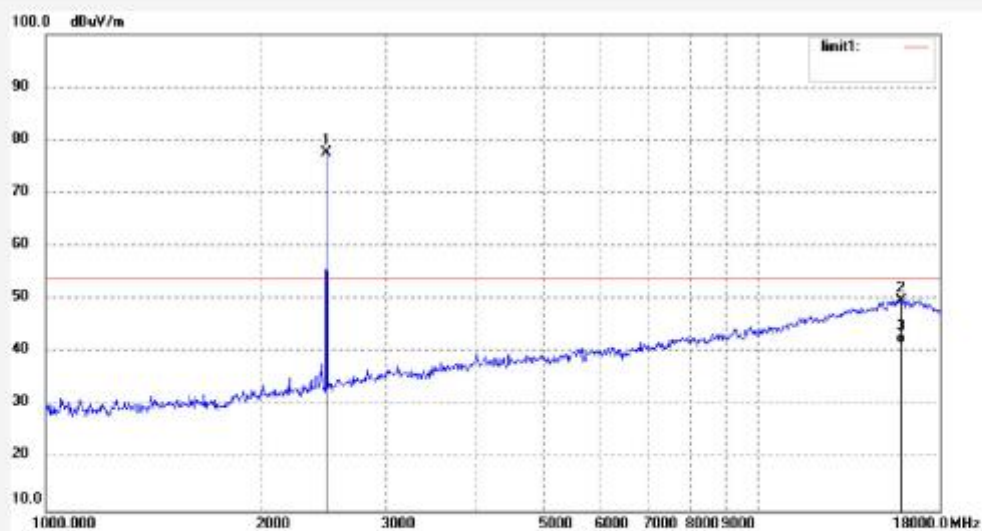
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4067
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	84.90	-7.37	77.53	/	/	peak			
2	15896.023	9.70	40.02	49.72	74.00	-24.28	peak			
3	15896.023	1.62	40.02	41.64	54.00	-12.36	AVG			

18GHz - 26.5GHz



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Fax:+86-0755-26503396

Job No.: Ian2015 #4070

Standard: FCC Class B 3M Radiated

Test Item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2402MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 3.7V

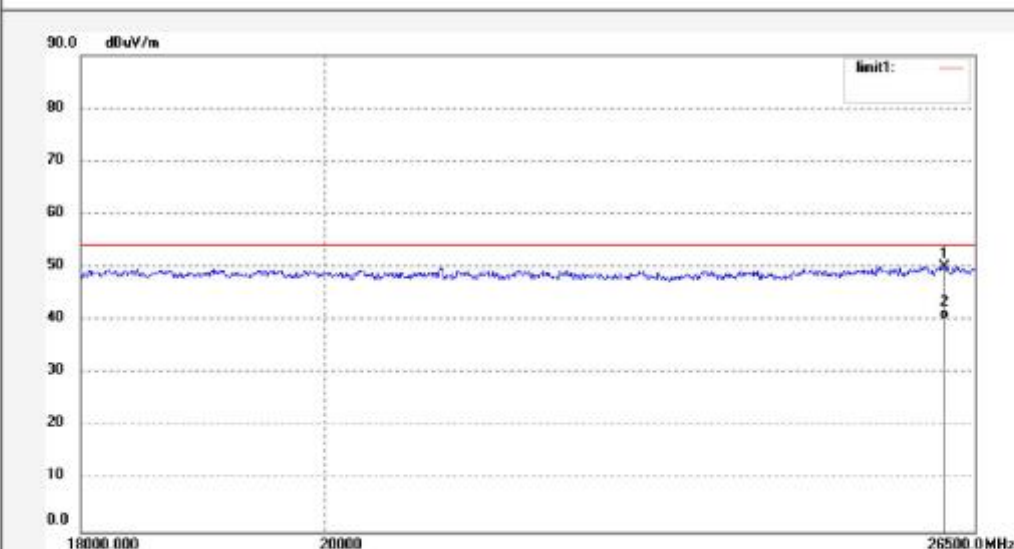
Date: 2015/12/24

Time:

Engineer Signature: PEI

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26153.799	33.00	17.13	50.13	74.00	-23.87	peak			
2	26153.799	23.10	17.13	40.23	54.00	-13.77	AVG			



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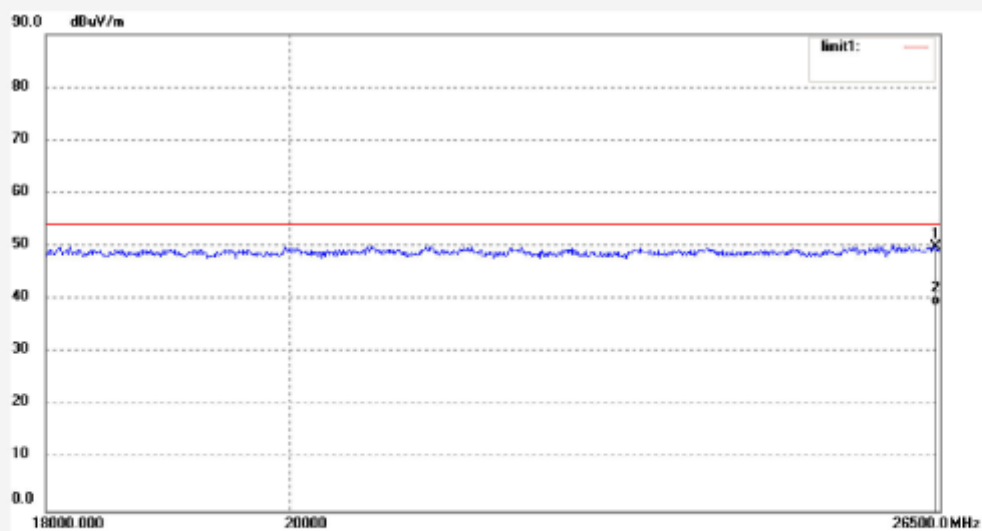
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4071
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2402MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26448.802	32.88	16.93	49.81	74.00	-24.19	peak			
2	26448.802	21.95	16.93	38.88	54.00	-15.12	AVG			



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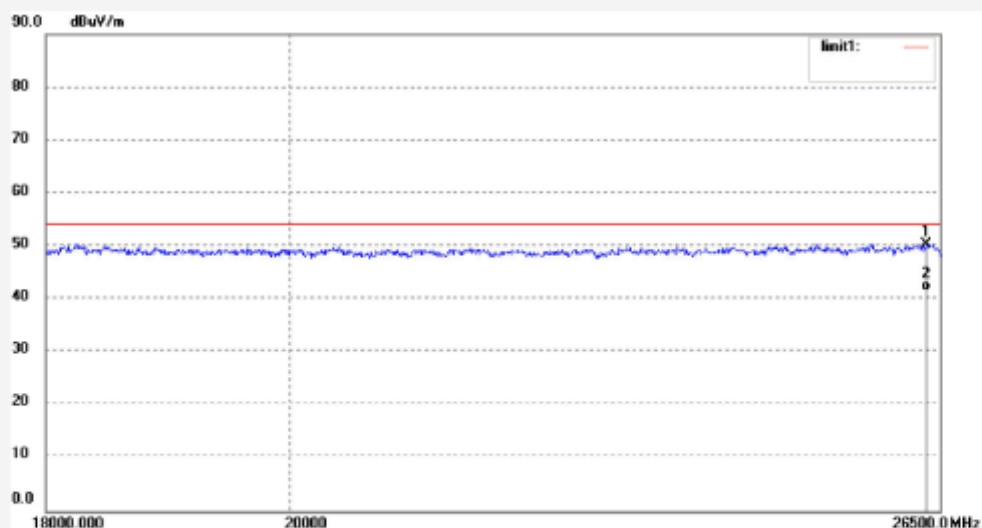
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4072
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2441MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26346.703	33.30	17.00	50.30	74.00	-23.70	peak			
2	26346.703	24.53	17.00	41.53	54.00	-12.47	AVG			



ACCURATE TECHNOLOGY CO., LTD.

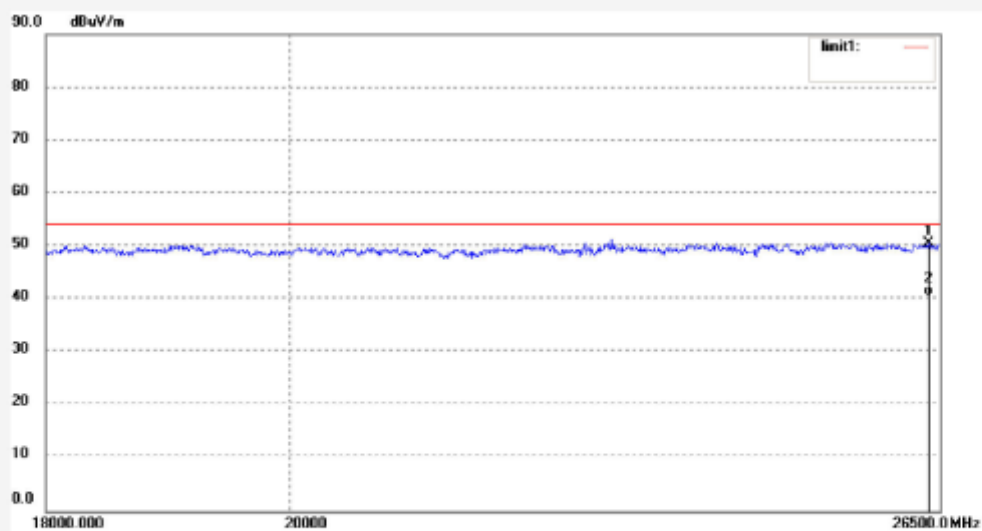
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4073
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2441MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26367.091	33.42	16.99	50.41	74.00	-23.59	peak			
2	26367.091	23.58	16.99	40.57	54.00	-13.43	AVG			



ACCURATE TECHNOLOGY CO., LTD.

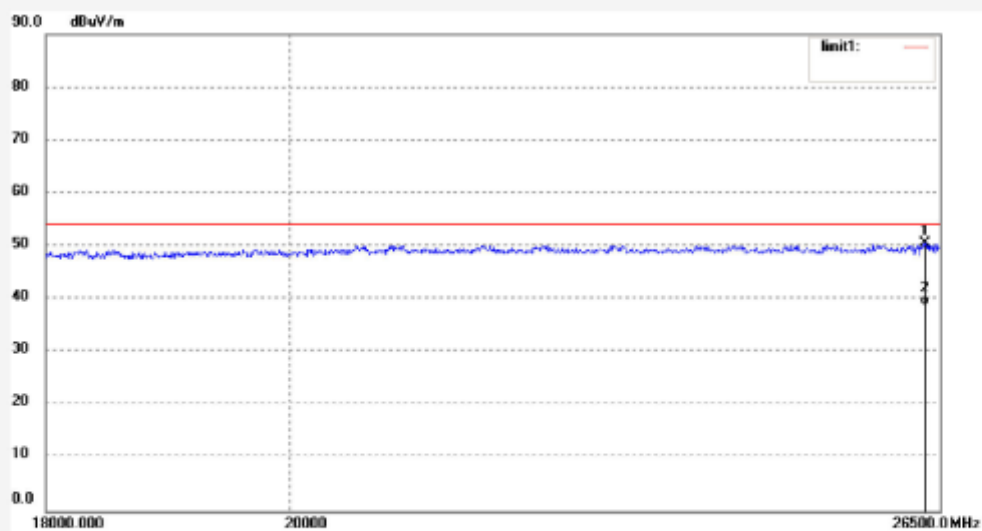
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4074
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26326.330	33.56	17.02	50.58	74.00	-23.42	peak			
2	26326.330	21.90	17.02	38.92	54.00	-15.08	AVG			



ACCURATE TECHNOLOGY CO., LTD.

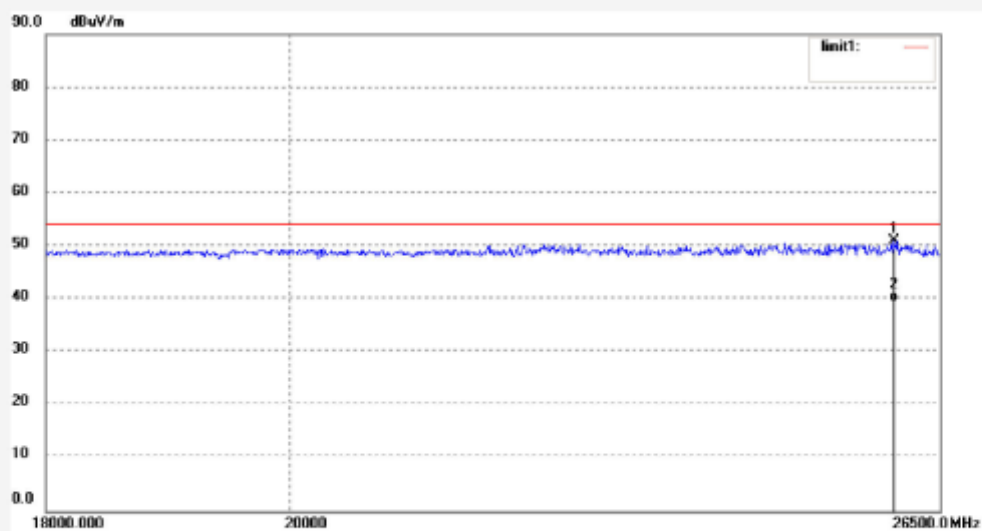
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4075
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	25982.398	33.75	17.24	50.99	74.00	-23.01	peak			
2	25982.398	22.31	17.24	39.55	54.00	-14.45	AVG			

Appendix B.2: Test Plots of Band Edge (Radiated)

Low Channel



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian2015 #4062

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2402MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Horizontal

Power Source: DC 3.7V

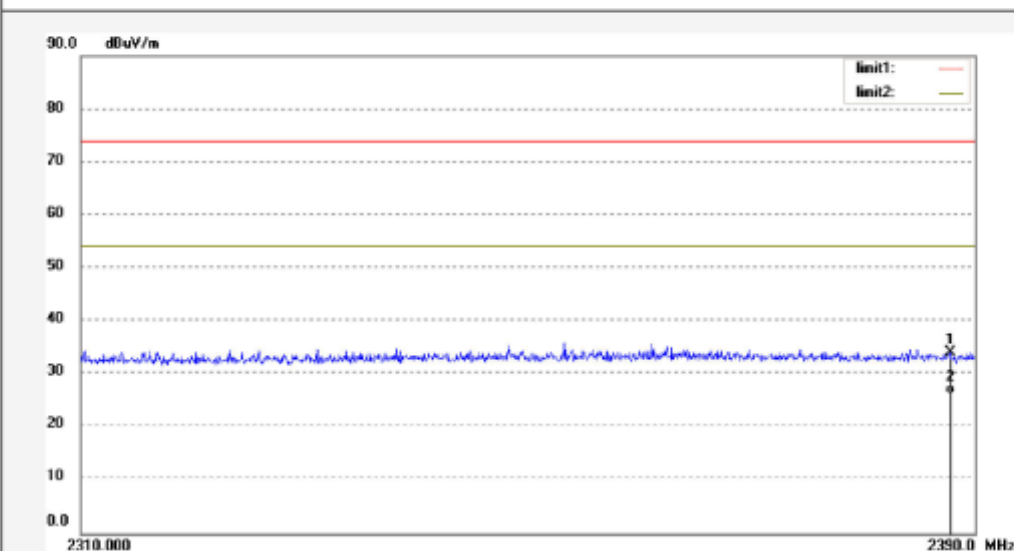
Date: 2015/12/24

Time:

Engineer Signature: PEI

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2387.760	41.53	-7.54	33.99	74.00	-40.01	peak			
2	2387.760	33.68	-7.54	26.14	54.00	-27.86	AVG			



ACCURATE TECHNOLOGY CO., LTD.

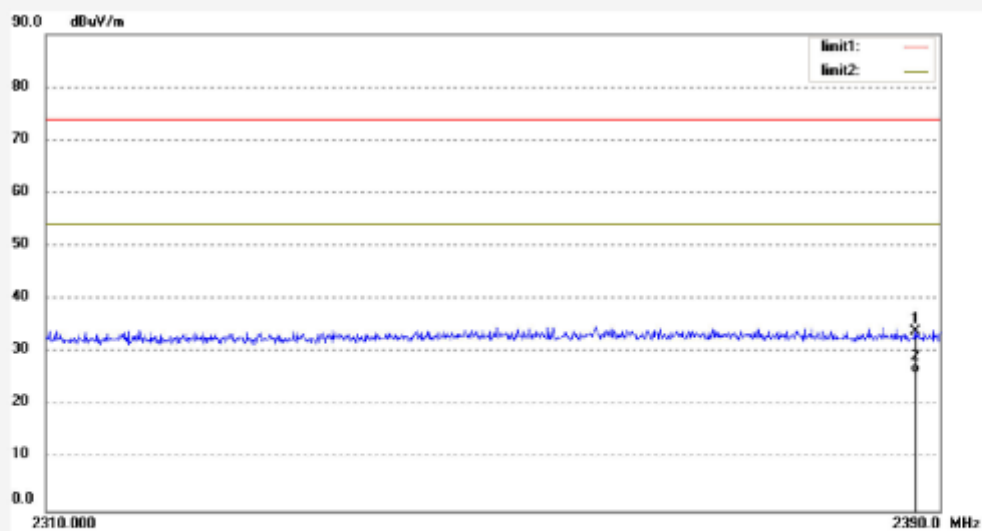
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4063
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2402MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2387.760	41.47	-7.54	33.93	74.00	-40.07	peak			
2	2387.760	33.59	-7.54	26.05	54.00	-27.95	AVG			

High Channel



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Ian2015 #4068

Standard: FCC (Band Edge)

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: TX 2480MHz

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 3.7V

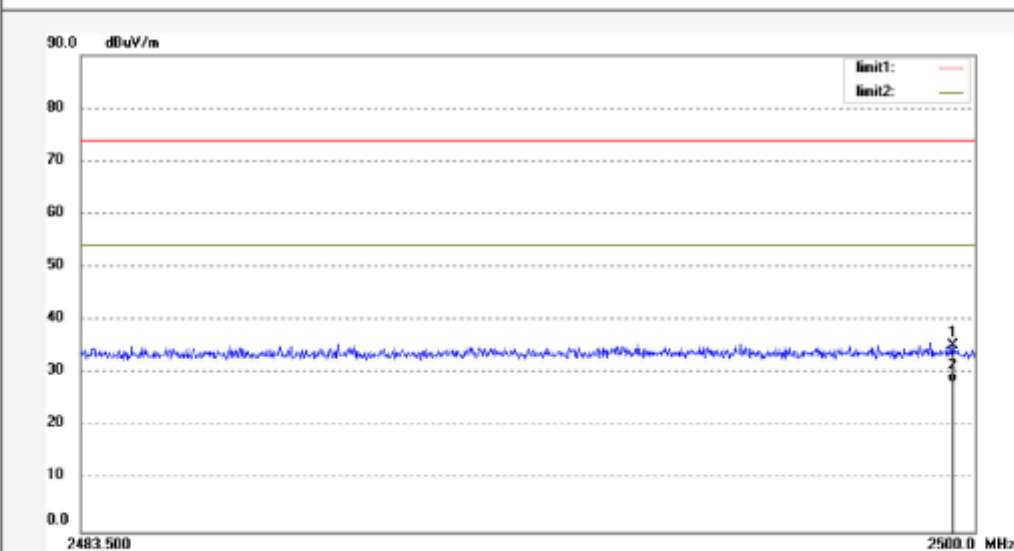
Date: 2015/12/24

Time:

Engineer Signature: PEI

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2499.588	42.57	-7.40	35.17	74.00	-38.83	peak			
2	2499.588	35.65	-7.40	28.25	54.00	-25.75	AVG			



ACCURATE TECHNOLOGY CO., LTD.

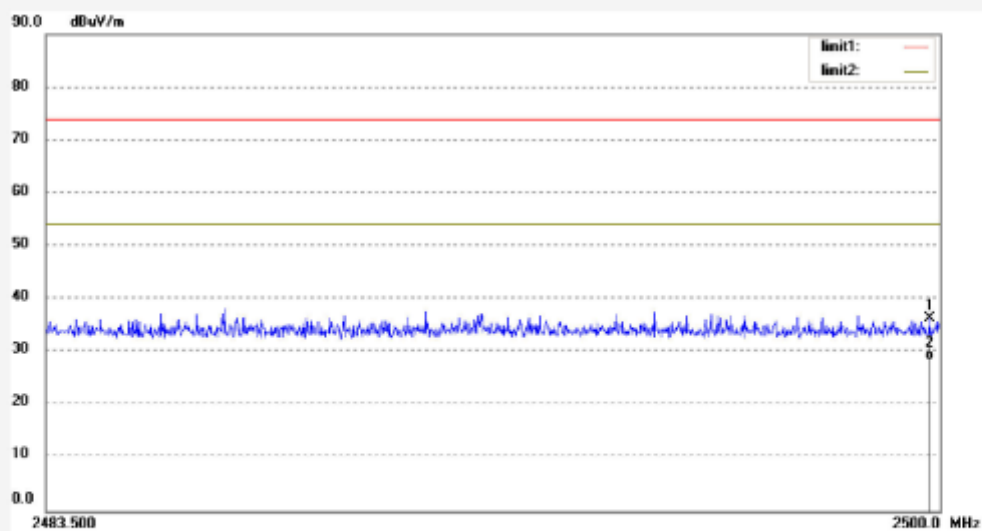
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Ian2015 #4069
Standard: FCC (Band Edge)
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: TX 2480MHz
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Horizontal
Power Source: DC 3.7V
Date: 2015/12/24
Time:
Engineer Signature: PEI
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2499.802	43.71	-7.40	36.31	74.00	-37.69	peak			
2	2499.802	35.95	-7.40	28.55	54.00	-25.45	AVG			

Appendix B.3: Test Plots of Conducted Emission

C Mode

ACCURATE TECHNOLOGY CO., LTD

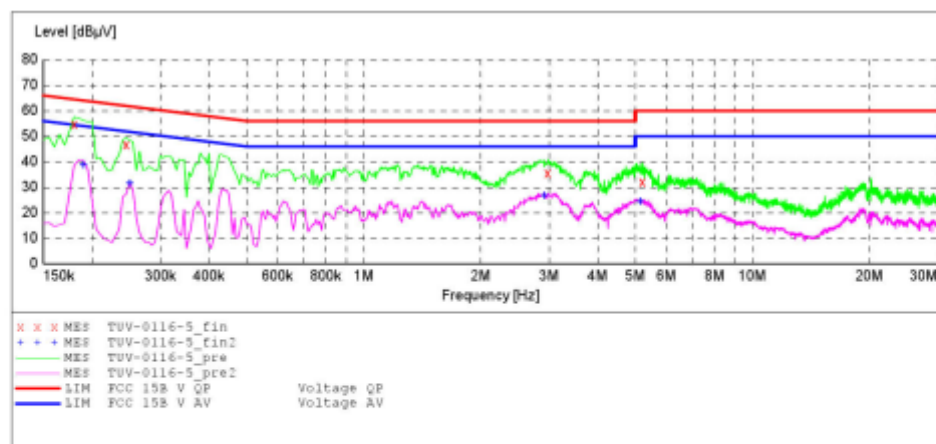
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Razor Headphones M/N:6278701
Manufacturer: Primark Stores Limited
Operating Condition: BT
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment:
Start of Test: 1/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: -SUB_STD_VTERM2 1.70

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008



MEASUREMENT RESULT: "TUV-0116-5_fin"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.180000	54.60	10.5	65	9.9	QP	N	GND
0.245000	46.60	10.6	62	15.3	QP	N	GND
2.980000	35.40	11.1	56	20.6	QP	N	GND
5.220000	32.10	11.2	60	27.9	QP	N	GND

MEASUREMENT RESULT: "TUV-0116-5_fin2"

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.190000	38.70	10.5	54	15.3	AV	N	GND
0.250000	31.50	10.6	52	20.3	AV	N	GND
2.920000	26.50	11.1	46	19.5	AV	N	GND
5.140000	24.40	11.2	50	25.6	AV	N	GND

ACCURATE TECHNOLOGY CO., LTD

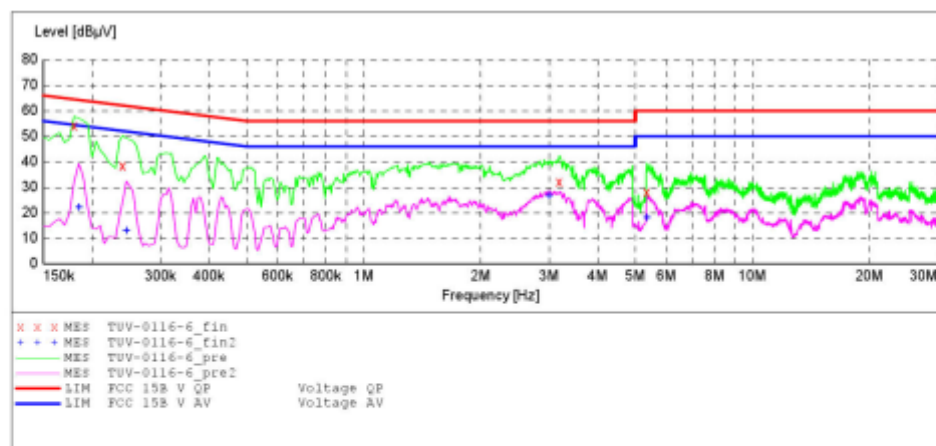
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Razor Headphones M/N:6278701
 Manufacturer: Primark Stores Limited
 Operating Condition: BT
 Test Site: 1#Shielding Room
 Operator: LGWADE
 Test Specification: L 120V/60Hz
 Comment:
 Start of Test: 1/16/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70

Start	Stop	Step	Detector	Meas. Time	IF Bandw.	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
			Average			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0116-6_fin"

1/16/2016							
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.180000	54.10	10.5	65	10.4	QP	L1	GND
0.240000	38.20	10.6	62	23.9	QP	L1	GND
3.190000	31.90	11.1	56	24.1	QP	L1	GND
5.360000	28.10	11.2	60	31.9	QP	L1	GND

MEASUREMENT RESULT: "TUV-0116-6_fin2"

1/16/2016							
Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.185000	21.90	10.5	54	32.4	AV	L1	GND
0.245000	13.00	10.6	52	38.9	AV	L1	GND
3.000000	26.50	11.1	46	19.5	AV	L1	GND
5.360000	17.90	11.2	50	32.1	AV	L1	GND

D Mode

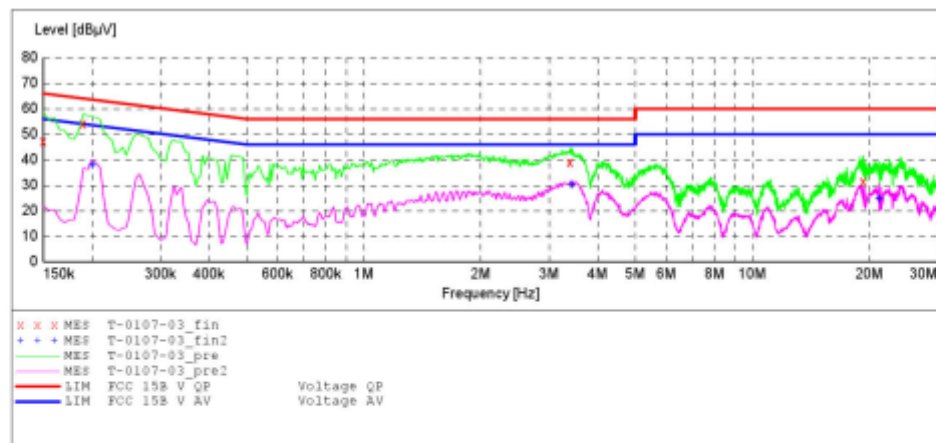
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Razor Headphones M/N:6278701
Manufacturer: Primark Stores Limited
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: L 120V/60Hz
Comment: Mains Port
Start of Test: 1/7/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: _SUB_STD_VTERM2 1.70
Start Stop Step Detector Meas. IF Transducer
Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK6126 2008
Average
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK6126 2008
Average



MEASUREMENT RESULT: "T-0107-03_fin"

1/7/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	47.20	10.5	66	18.8	QP	L1	GND
0.190000	54.00	10.5	64	10.0	QP	L1	GND
3.400000	38.90	11.1	56	17.1	QP	L1	GND
19.315000	31.60	11.4	60	28.4	QP	L1	GND

MEASUREMENT RESULT: "T-0107-03_fin2"

1/7/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.200000	37.80	10.5	54	15.8	AV	L1	GND
3.430000	30.00	11.1	46	16.0	AV	L1	GND
21.205000	24.50	11.4	50	25.5	AV	L1	GND

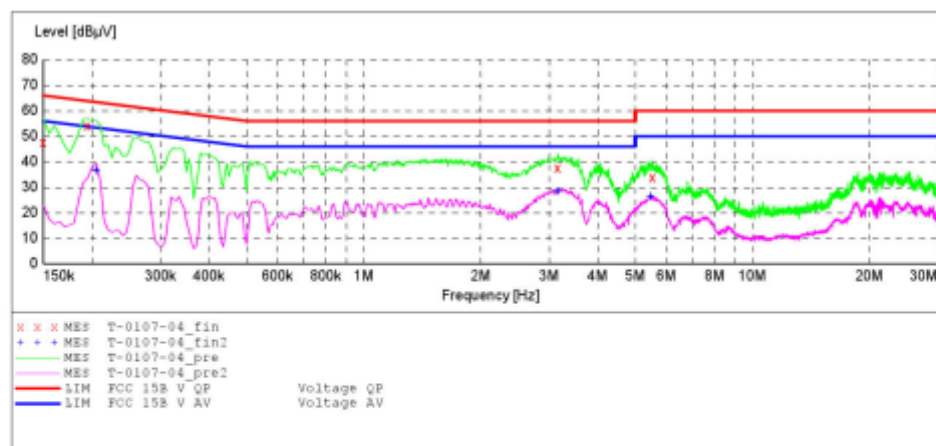
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Razor Headphones M/N:6278701
Manufacturer: Primark Stores Limited
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment: Mains Port
Start of Test: 1/7/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description: SUB_STD_VTERM2 1.70
Start Stop Step Detector Meas. IF Transducer
Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK6126 2008
Average
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK6126 2008
Average



MEASUREMENT RESULT: "T-0107-04_fin"

1/7/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.150000	47.60	10.5	66	18.4	QP	N	GND
0.195000	54.00	10.5	64	9.8	QP	N	GND
3.160000	37.50	11.1	56	18.5	QP	N	GND
5.540000	33.90	11.2	60	26.1	QP	N	GND

MEASUREMENT RESULT: "T-0107-04_fin2"

1/7/2016

Frequency MHz	Level dBμV	Transd dB	Limit dBμV	Margin dB	Detector	Line	PE
0.205000	36.20	10.5	53	17.2	AV	N	GND
3.150000	28.30	11.1	46	17.7	AV	N	GND
5.470000	26.40	11.2	50	23.6	AV	N	GND

Appendix B.4: Test Plots of Radiated Emission

D Mode



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2015 #2318

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: Charging

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Horizontal

Power Source: DC 5V

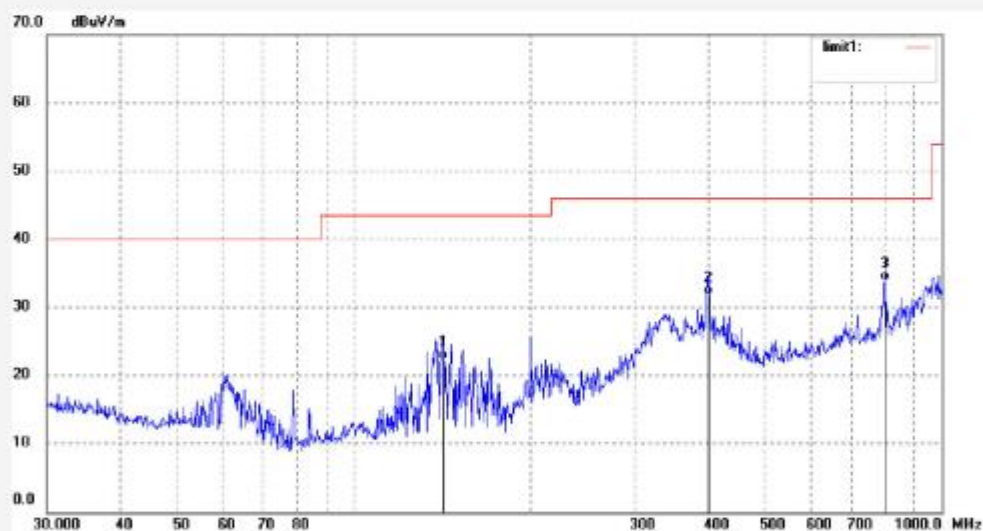
Date: 16/01/05/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	141.8262	37.26	-14.92	22.34	43.50	-21.16	QP			
2	400.4318	38.49	-6.81	31.68	46.00	-14.32	QP			
3	798.9796	33.88	0.02	33.90	46.00	-12.10	QP			



ACCURATE TECHNOLOGY CO., LTD.

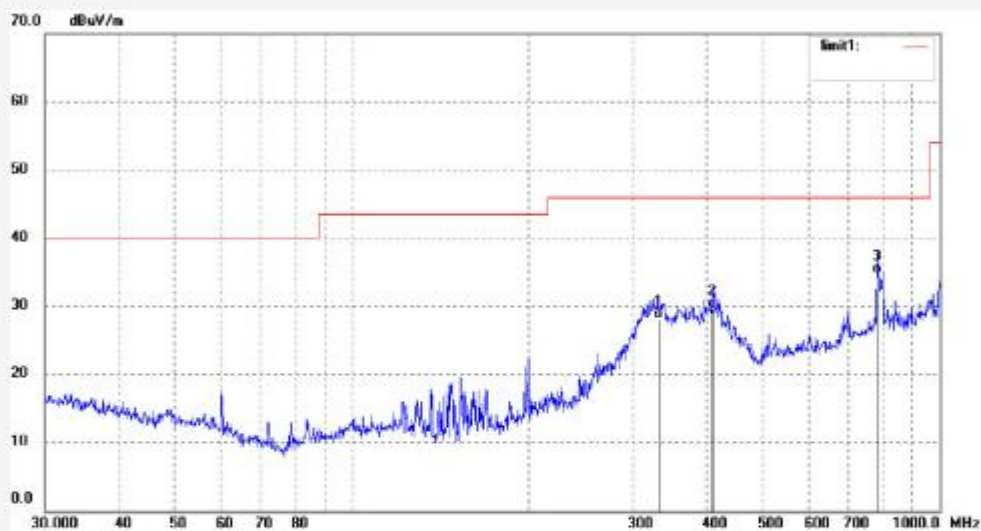
F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: LGW2015 #2319
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: Razor Headphones
Mode: Charging
Model: 6278701
Manufacturer: Primark Stores Limited

Polarization: Vertical
Power Source: DC 5V
Date: 16/01/05/
Time:
Engineer Signature: LGWADE
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	332.5187	36.43	-8.30	28.13	46.00	-17.87	QP			
2	410.3824	36.28	-6.55	29.73	46.00	-16.27	QP			
3	782.3452	35.07	-0.37	34.70	46.00	-11.30	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2015 #2322

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: Charging

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Horizontal

Power Source: DC 5V

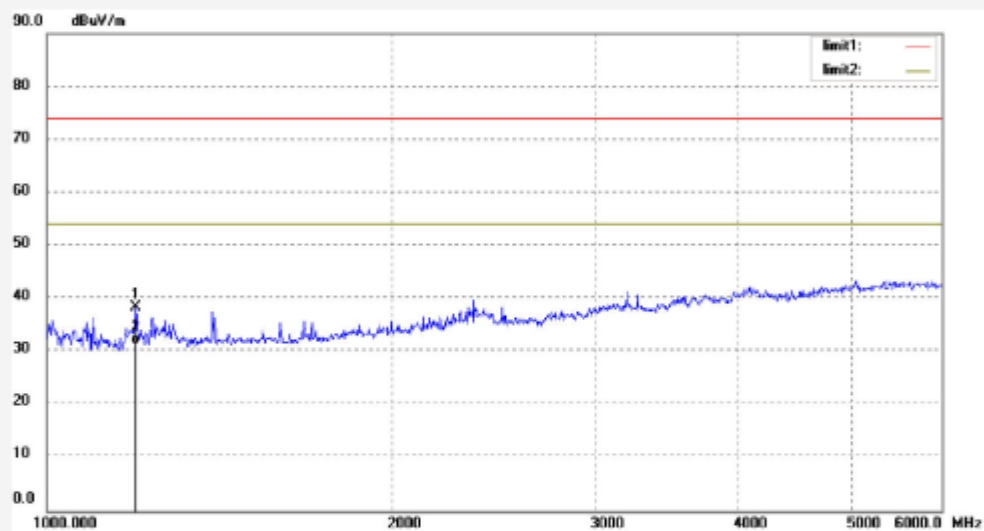
Date: 16/01/05/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1194.090	50.81	-12.50	38.31	74.00	-35.69	peak			
2	1194.090	43.95	-12.50	31.45	54.00	-22.55	AVG			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg.A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: LGW2015 #2323

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Razor Headphones

Mode: Charging

Model: 6278701

Manufacturer: Primark Stores Limited

Polarization: Vertical

Power Source: DC 5V

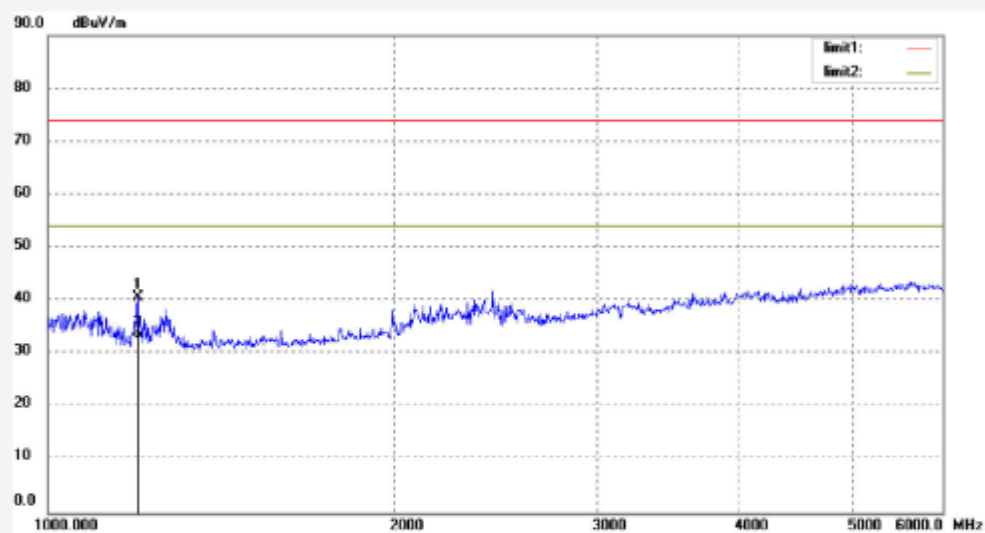
Date: 16/01/05/

Time:

Engineer Signature: LGWADE

Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1196.231	53.14	-12.50	40.64	74.00	-33.36	peak			
2	1196.231	45.23	-12.50	32.73	54.00	-21.27	AVG			