


<b>Prüfbericht - Nr.: 14033753 001</b>		<b>Seite 1 von 16</b>	
<i>Test Report No.:</i>		<i>Page 1 of 16</i>	
<b>Auftraggeber:</b> <i>Client:</i>	DEPO Manufacturing Corp., Ltd. 1206, Block A, Electronic Science & Technology Building 2070 Shennan Zhonglu Shenzhen, China		
<b>Gegenstand der Prüfung:</b> <i>Test Item:</i>	Bluetooth Speaker		
<b>Bezeichnung:</b> <i>Identification:</i>	EBS1003	<b>Serien-Nr.:</b> <i>Serial No.:</i>	Engineering sample
<b>Wareneingangs-Nr.:</b> <i>Receipt No.:</i>	00130702231-001, 00130702231-002, 00130702231-005	<b>Eingangsdatum:</b> <i>Date of Receipt:</i>	02.07.2013
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of test item at delivery:</i>	Test sample(s) is/are not damaged and suitable for testing.		
<b>Prüfört:</b> <i>Testing Location:</i>	TÜV Rheinland Hong Kong Ltd. 8/F., First Group Centre, 14 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong  Global United Technology Services Co., Ltd. 2nd Floor, Block No.2, Laodong Industrial Zone, Xixiang Road Baoan District, Shenzhen, China		
<b>Prüfgrundlage:</b> <i>Test Specification:</i>	FCC Part 15 Subpart C ANSI C63.4-2003 CISPR 22:1997		
<b>Prüfergebnis:</b> <i>Test Results:</i>	Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n). <i>The test item passed the test specification(s).</i>		
<b>Prüflaboratorium:</b> <i>Testing Laboratory:</i>	TÜV Rheinland Hong Kong Ltd. 8 - 10/F., Goldin Financial Global Square, 7 Wang Tai Road, Kowloon Bay, Kowloon, Hong Kong		
<b>geprüft/ tested by:</b>	<b>kontrolliert/ reviewed by:</b>		
15.08.2013	Hugo Wan Senior Project Manager		15.08.2013
			Sharon Li Section Manager
<b>Datum</b> <i>Date</i>	<b>Name/Stellung</b> <i>Name/Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>
			<b>Name/Stellung</b> <i>Name/Position</i>
			<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges:</b> <i>Other Aspects</i>	FCCID: SLA-EBS1003		
<b>Abkürzungen:</b>	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	<b>Abbreviations:</b>	P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
<b>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens.</b> <i>This test report 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 safety mark on this or similar products.</i>			

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## Product information

### Manufacturers declarations

	<b>Transceiver</b>
Operating frequency range	2402 - 2480 MHz
Type of modulation	GFSK; Pi/4 DQPSK; 8 DPSK
Number of channels	79
Channel separation	1 MHz
Type of antenna	Integral antenna
Antenna gain (dBi)	4.5
Power level	fix
Type of equipment	stand alone radio device
Connection to public utility power line	Yes
Nominal voltage	Internal battery $V_{\text{nor}}$ : 3.7V DC Charging: 5.0V DC
Independent Operation Modes	Page scan Inquiry scan Connection state - ACL Link Connection state - SCO Link

## Product function and intended use

The test item is a Bluetooth Speaker based on the Bluetooth technology.

Bluetooth is a short-range radio link intended to be a cable replacement between portable and/or fixed electronic devices.

Bluetooth operates in the unlicensed ISM Band at 2.4 GHz. In the US a band of 83.5 MHz width is available. In this band, 79 RF channels spaced 1MHz apart are defined.

The channel is represented by a pseudo-random hopping sequence through the 79 channels. The channel is divided into time slots, with a nominal slot length of 625µs, where each slot corresponds to different RF hop frequencies. The nominal hop rate is 1600 hops/s. The symbol rate on the channel is 1 -3Mbps. The device supports basic rate (BR) and enhanced data rate (EDR).

The USB connector is for charging only, no data exchange supported.

## Submitted documents

Circuit Diagram  
Block Diagram  
Bill of material  
User Manual  
Label Artwork

## Remark

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases.

### Worst case evaluation results:

Bluetooth data rate: Basic Rate

Modulation type: GFSK

## Special accessories and auxiliary equipment

### Additional accessory used for testing

The product has been tested together with the following additional accessory:

- 1) USB Cable, 1 meter (provided by client)
- 2) Desktop computer (provided by laboratory)
  - a. Manufacturer: DELL
  - b. Model: OPTIPLEX745
  - c. SN: GTS312

## List of Test and Measurement Instruments

Global United Technology Services Co., Ltd. (Registration number: 600491)

### Radiated Emission

Equipment	Manufacturer	Type	S/N	Cal Due Date
3m Semi- Anechoic Chamber	ZhongYu Electron	9.0(L)*6.0(W)* 6.0(H)	--	05 Apr 2015
Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	--	N/A
ESU EMI Test Receiver	R&S	ESU26	--	28 Jun 2014
Loop Antenna	Zhinan	ZN30900A	--	28 Jun 2014
Bi-log Hybrid Antenna	SCHWARZBECK	VULB9163	--	17 Mar 2014
Double-ridged horn antenna	SCHWARZBECK	9120D	--	17 Mar 2014
Horn Antenna	ETS-LINDGREN	3160-09	--	17 Mar 2014
RF Amplifier	HP	8347A	--	28 Jun 2014
RF Amplifier	HP	8349B	--	28 Jun 2014
EMI Test Software	AUDIX	E3	--	N/A
Coaxial cable	GTS	N/A	--	28 Jun 2014
Coaxial Cable	GTS	N/A	--	28 Jun 2014
Thermo meter	N/A	N/A	--	30 Jun 2014

### Conducted Emission on AC Mains Terminals

Equipment	Manufacturer	Type	S/N	Cal Due Date
Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	--	07 Sep 2013
EMI Test Receiver	R&S	ESCS30	--	28 Jun 2014
Pulse Limiter	R&S	ESH3-Z2	--	28 Jun 2014
Coaxial Switch	ANRITSU CORP	MP59B	--	28 Jun 2014
Artificial Mains Network	SCHWARZBECK MESS	NSLK8127	--	28 Jun 2014
Coaxial Cable	GTS	N/A	--	06 Jul 2014
EMI Test Software	AUDIX	E3	--	N/A
Thermo meter	KTJ	TA328	--	30 Jun 2014

## TÜV Rheinland Hong Kong Ltd.

### Radio Frequency Test

Equipment	Manufacturer	Type	S/N	Cal Due Date
Spectrum Analyzer	Rohde & Schwarz	FSP30	100007	03 Dec 2014

## Results FCC Part 15 – Subpart C

<b>Subclause 15.203 – Antenna Information</b>		<b>Pass</b>
<b>Requirement:</b>	No antenna other than that furnished by the responsible party shall be used with the device	
<b>Results:</b>	Permanent PCB printed antenna	
<b>Verdict:</b>	Pass	

<b>Subclause 15.204 – Antenna Information</b>		<b>Pass</b>
<b>Requirement:</b>	Provide information for every antenna proposed for the use with the EUT	
<b>Results:</b>	a) Antenna type:	PCB printed antenna
	b) Manufacturer and model no:	N.A.
	c) Gain with reference to an isotropic radiator:	4.5 dBi
<b>Verdict:</b>	Pass	

<b>Subclause 15.207 – Disturbance Voltage on AC Mains</b>		<b>Pass</b>				
Test Port: AC mains input port of the desktop computer Applied Voltage: 120VAC Power supply model: Please refer to page 4 Mode of operation: Charging and music playing						
<b>Live measurement</b>						
Frequency range (MHz)	Frequency (MHz)	Quasi-peak (dBµV)	Average (dBµV)	Limit QP (dBµV)	Limit AV (dBµV)	Verdict
0,15 – 0,5	0.154	40.0	36.0	66 - 56	56 - 46	Pass
	0.200	35.2	24.1	66 - 56	56 - 46	Pass
	0.341	29.0	21.9	66 - 56	56 - 46	Pass
> 0,5 - 5	0.909	25.5	12.6	56	46	Pass
> 5 - 30	14.986	31.8	27.7	60	50	Pass
	26.984	29.6	25.6	60	50	Pass
<b>Neutral measurement</b>						
Frequency range (MHz)	Frequency (MHz)	Quasi-peak (dBµV)	Average (dBµV)	Limit QP (dBµV)	Limit AV (dBµV)	Verdict
0,15 – 0,5	0.162	39.2	31.1	66 - 56	56 - 46	Pass
	0.256	33.8	22.7	66 - 56	56 - 46	Pass
> 0,5 - 5	0.604	23.3	12.5	56	46	Pass
	0.909	21.2	10.2	56	46	Pass
> 5 – 30	1.141	19.1	13.2	56	46	Pass
	25.188	30.7	27.8	60	50	Pass

**Results:** The radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150kHz to 30MHz does not exceed the limits. For test results plots refer to Appendix 1, page 2-3.

**Subclause 15.247 (a)(1) – Carrier Frequency Separation**
**Pass**

**Requirement:** Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the two-third of the 20dB bandwidth of the hopping channel, whichever is greater.

Test Specification : FCC Part 15 Subpart A – Subclause 15.31  
 Mode of operation : Tx mode (hopping on) at GFSK, Pi/4 DQPSK, 8 DPSK  
 Port of testing : Temporary antenna port  
 Detector : Peak  
 RBW/VBW : 100 kHz / 300 kHz  
 Supply voltage : 3.7VDC  
 Temperature : 23°C  
 Humidity : 50%

**Results:** Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and packet types.  
 The centre frequencies of the hopping channels are separated by more than the two-third of the 20dB bandwidth. For test Results plots refer to Appendix 1, page 4-5.

**Verdict:** Pass

**Subclause 15.247 (a)(1)(iii) – Number of Hopping Channels**
**Pass**

**Requirement:** Frequency hopping systems operating in the 2400MHz-2483.5MHz bands shall use at least 15 hopping frequencies.

Test Specification : FCC Part 15 Subpart A – Subclause 15.31  
 Mode of operation : Tx mode (hopping on) at GFSK, Pi/4 DQPSK, 8 DPSK  
 Port of testing : Temporary antenna port  
 Detector : Peak  
 RBW/VBW : 1 MHz / 3 MHz  
 Supply voltage : 3.7VDC  
 Temperature : 23°C  
 Humidity : 50%

**Results:** The total number of hopping frequencies is more than 15. For test result plots, please refer to Appendix 1, page 6-8.

**Verdict:** Pass





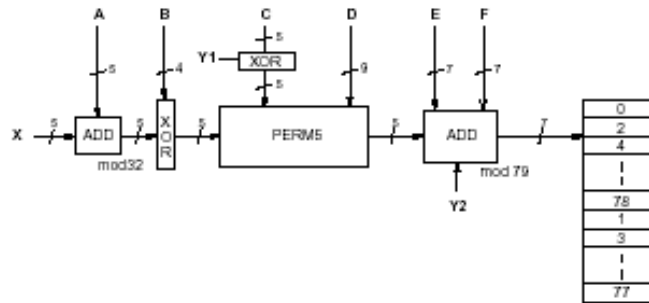
<b>Subclause 15.247 (a) – 20 dB Bandwidth</b>		<b>Pass</b>	
Requirement:	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25kHz or the two-third of the 20dB bandwidth of the hopping channel, whichever is greater.		
Test Specification :	FCC Part 15 Subpart A – Subclause 15.31		
Mode of operation :	Tx mode (hopping off) at GFSK, Pi/4 DQPSK, 8 DPSK		
Port of testing :	Temporary antenna port		
Detector :	Peak		
RBW/VBW :	30 kHz / 100 kHz		
Supply voltage :	3.7VDC		
Temperature :	23°C		
Humidity :	50%		
<b>Results:</b>	Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and packet types.  For test protocols refer to Appendix 1, page 12-17.		
<b>GFSK Modulation</b>			
Frequency (MHz)	20 dB left (MHz)	20 dB right (MHz)	20dB bandwidth (MHz)
2402	0.463	0.486	0.949
2441	0.456	0.486	0.942
2480	0.463	0.480	0.943
<b>Pi/4 DQPSK Modulation</b>			
Frequency (MHz)	20 dB left (MHz)	20 dB right (MHz)	20dB bandwidth (MHz)
2402	0.630	0.642	1.272
2441	0.654	0.630	1.284
2480	0.636	0.624	1.260
<b>8 DPSK Modulation</b>			
Frequency (MHz)	20 dB left (MHz)	20 dB right (MHz)	20dB bandwidth (MHz)
2402	0.648	0.636	1.284
2441	0.654	0.624	1.278
2480	0.654	0.624	1.278

**Subclause 15.247 (a)(1) – Hopping Sequence**
**Pass**

Requirement: The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo randomly ordered list of hopping frequencies.

**Hopping sequence**

The channel is represented by a pseudo-random hopping sequence hopping through the 79 RF channels. The hopping sequence is unique for the piconet and is determined by the Bluetooth device address of the master. The X input determines the phase in the 32-hop segment, whereas Y1 and Y2 selects between master-to-slave and slave-to-master transmission. The inputs A to D determine the ordering within the segment, the inputs E and F determine the mapping onto the hop frequencies.



**Example data:**

Hop sequence {k} for CONNECTION STATE:

CLK start: 0x0000010

ULAP: 0x00000000

#ticks: 00 02 | 04 06 | 08 0a | 0c 0e | 10 12 | 14 16 | 18 1a | 1c 1e |

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0x0000010: 08 66 | 10 70 | 12 19 | 14 23 | 16 01 | 18 05 | 20 33 | 22 37 |
0x0000030: 24 03 | 26 07 | 28 35 | 30 39 | 32 72 | 34 76 | 36 25 | 38 29 |
0x0000050: 40 74 | 42 78 | 44 27 | 46 31 | 48 09 | 50 13 | 52 41 | 54 45 |
0x0000070: 56 11 | 58 15 | 60 43 | 62 47 | 32 17 | 36 19 | 34 49 | 38 51 |
0x0000090: 40 21 | 44 23 | 42 53 | 46 55 | 48 33 | 52 35 | 50 65 | 54 67 |
0x00000b0: 56 37 | 60 39 | 58 69 | 62 71 | 64 25 | 68 27 | 66 57 | 70 59 |
0x00000d0: 72 29 | 76 31 | 74 61 | 78 63 | 01 41 | 05 43 | 03 73 | 07 75 |
0x00000f0: 09 45 | 13 47 | 11 77 | 15 00 | 64 49 | 66 53 | 68 02 | 70 06 |
0x0000110: 01 51 | 03 55 | 05 04 | 07 08 | 72 57 | 74 61 | 76 10 | 78 14 |
0x0000130: 09 59 | 11 63 | 13 12 | 15 16 | 17 65 | 19 69 | 21 18 | 23 22 |
0x0000150: 33 67 | 35 71 | 37 20 | 39 24 | 25 73 | 27 77 | 29 26 | 31 30 |
0x0000170: 41 75 | 43 00 | 45 28 | 47 32 | 17 02 | 21 04 | 19 34 | 23 36 |
0x0000190: 33 06 | 37 08 | 35 38 | 39 40 | 25 10 | 29 12 | 27 42 | 31 44 |
0x00001b0: 41 14 | 45 16 | 43 46 | 47 48 | 49 18 | 53 20 | 51 50 | 55 52 |
0x00001d0: 65 22 | 69 24 | 67 54 | 71 56 | 57 26 | 61 28 | 59 58 | 63 60 |
0x00001f0: 73 30 | 77 32 | 75 62 | 00 64 | 49 34 | 51 42 | 57 66 | 59 74 |
0x0000210: 53 36 | 55 44 | 61 68 | 63 76 | 65 50 | 67 58 | 73 03 | 75 11 |
0x0000230: 69 52 | 71 60 | 77 05 | 00 13 | 02 38 | 04 46 | 10 70 | 12 78 |
0x0000250: 06 40 | 08 48 | 14 72 | 16 01 | 18 54 | 20 62 | 26 07 | 28 15 |
0x0000270: 22 56 | 24 64 | 30 09 | 32 17 | 02 66 | 06 74 | 10 19 | 14 27 |
0x0000290: 04 70 | 08 78 | 12 23 | 16 31 | 18 03 | 22 11 | 26 35 | 30 43 |
0x00002b0: 20 07 | 24 15 | 28 39 | 32 47 | 34 68 | 38 76 | 42 21 | 46 29 |
0x00002d0: 36 72 | 40 01 | 44 25 | 48 33 | 50 05 | 54 13 | 58 37 | 62 45 |
0x00002f0: 52 09 | 56 17 | 60 41 | 64 49 | 34 19 | 36 35 | 50 51 | 52 67 |
0x0000310: 38 21 | 40 37 | 54 53 | 56 69 | 42 27 | 44 43 | 58 59 | 60 75 |
0x0000330: 46 29 | 48 45 | 62 61 | 64 77 | 66 23 | 68 39 | 03 55 | 05 71 |
0x0000350: 70 25 | 72 41 | 07 57 | 09 73 | 74 31 | 76 47 | 11 63 | 13 00 |
0x0000370: 78 33 | 01 49 | 15 65 | 17 02 | 66 51 | 70 67 | 03 04 | 07 20 |
0x0000390: 68 55 | 72 71 | 05 08 | 09 24 | 74 59 | 78 75 | 11 12 | 15 28 |
0x00003b0: 76 63 | 01 00 | 13 16 | 17 32 | 19 53 | 23 69 | 35 06 | 39 22 |
0x00003d0: 21 57 | 25 73 | 37 10 | 41 26 | 27 61 | 31 77 | 43 14 | 47 30 |
0x00003f0: 29 65 | 33 02 | 45 18 | 49 34 | 19 04 | 21 08 | 23 20 | 25 24 |

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<b>Subclause 15.247 (b)(1) – Peak Output Power</b>					<b>Pass</b>
Test Specification : FCC Part 15 Subpart A – Subclause 15.31 Mode of operation : Tx mode (hopping off) at GFSK, Pi/4 DQPSK, 8 DPSK Port of testing : Temporary antenna port Detector : Peak RBW/VBW : 3 MHz / 10 MHz Supply voltage : 3.7VDC Temperature : 23°C Humidity : 50%					
Requirement: For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 Watt. For all other frequency hopping systems in the 2400 – 2483.5 MHz band: 0.125 Watts.					
<b>Results:</b> For test result plots, please refer to Appendix 1, page 18-23.					
<b>GFSK Modulation</b>					
Frequency (MHz)	Maximum peak output power (dBm)	Cable attenuation (dB)	Output power (dBm)	Limit (W/dBm)	Verdict
2402	2.31	0.00	2.31	1 / 30.0	Pass
2441	2.61	0.00	2.61	1 / 30.0	Pass
2480	2.95	0.00	2.95	1 / 30.0	Pass
<b>Pi/4 DQPSK Modulation</b>					
Frequency (MHz)	Maximum peak output power (dBm)	Cable attenuation (dB)	Output power (dBm)	Limit (W/dBm)	Verdict
2402	1.30	0.00	1.30	1 / 30.0	Pass
2441	2.00	0.00	2.00	1 / 30.0	Pass
2480	2.49	0.00	2.49	1 / 30.0	Pass
<b>8 DPSK Modulation</b>					
Frequency (MHz)	Maximum peak output power (dBm)	Cable attenuation (dB)	Output power (dBm)	Limit (W/dBm)	Verdict
2402	1.45	0.00	1.45	1 / 30.0	Pass
2441	2.13	0.00	2.13	1 / 30.0	Pass
2480	2.55	0.00	2.55	1 / 30.0	Pass

<b>Subclause 15.247 (d) – Band-edge Compliance of Conducted Emissions</b>		<b>Pass</b>
Test Specification	: FCC Part 15 Subpart A – Subclause 15.31	
Mode of operation	: Tx mode (hopping off and on modes) at GFSK, Pi/4 DQPSK, 8 DPSK	
Port of testing	: Temporary antenna port	
Detector	: Peak	
RBW/VBW	: 100 kHz / 300 kHz	
Supply voltage	: 3.7VDC	
Temperature	: 23°C	
Humidity	: 50%	
Requirement:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.	
<b>Results:</b>	Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and packet types.  The spurious found outside any 100 kHz bandwidth of the operating frequency band are well below 20dB of the highest desired transmit power. For test result plots, please refer to Appendix 1, page 24-29.	

<b>Subclause 15.247 (d) – Band-edge Compliance of Radiated Emissions</b>		<b>Pass</b>
Test Specification	: FCC Part 15 Subpart A – Subclause 15.31	
Mode of operation	: Tx mode (hopping off) at GFSK	
Port of testing	: Temporary antenna port	
Detector	: Peak	
RBW/VBW	: 1 MHz / 1 MHz	
Supply voltage	: 3.7VDC	
Temperature	: 23°C	
Humidity	: 50%	
Requirement:	Radiated emissions which fall in the restricted bands, as defined in 15.205(a), must also comply with the radiated emission limits specified in 15.209(a).	
<b>Results:</b>	Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and packet types.  There is no peak found in the restricted bands. For test result plots, please refer to Appendix 1, page 30-33.	

<b>Subclause 15.247 (d) – Spurious Conducted Emissions</b>					<b>Pass</b>
Test Specification : FCC Part 15 Subpart A – Subclause 15.31 Mode of operation : Tx mode (hopping off) at GFSK, Pi/4 DQPSK, 8 DPSK Port of testing : Temporary antenna port Detector : Peak RBW/VBW : 100 kHz / 300 kHz Supply voltage : 3.7VDC Temperature : 23 °C Humidity : 50 %					
<b>Requirement:</b> In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.					
<b>Results:</b> Pre-scan has been conducted to determine the worst-case mode from all possible combinations between available modulations and packet types.  The spurious emissions found outside any 100kHz bandwidth of the operating frequency band in the three transmit frequency are well below 20dB of the highest desired transmit power. All three transmit frequency modes comply with the limit stated in subclause 15.247(d). For test protocols refer to Appendix 1, page 34-39.					
<b>GFSK Modulation</b>					
Operating Frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2402	7200	-44.06	1.52	-45.58	Pass
2441	7300	-41.09	1.13	-42.22	Pass
	9750	-56.80	1.13	-57.93	Pass
2480	7450	-39.74	2.03	-41.77	Pass
	9900	-55.46	2.03	-57.49	Pass
<b>Pi/4 DQPSK Modulation</b>					
Operating Frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2402	7200	-49.69	-3.94	-45.75	Pass
2441	7300	-44.85	-2.38	-42.47	Pass
2480	7450	-48.35	-0.30	-48.05	Pass
<b>8 DPSK Modulation</b>					
Operating Frequency (MHz)	Spurious frequency (MHz)	Spurious Level (dBm)	Reference value (dBm)	Delta (dB)	Verdict
2402	7200	-48.70	-2.40	-46.30	Pass
2441	7300	-44.89	0.83	-45.72	Pass
2480	7450	-49.86	-0.87	-48.99	Pass



<b>Tx frequency 2441MHz</b>		
<b>Horizontal Polarization</b>		
<b>Frequency (MHz)</b>	<b>Level (dBµV/m)</b>	<b>Limit/ Detector (dBµV/m)</b>
782.345	29.58	46.0 / QP
4882.000	39.01	74.0 / PK
4882.000	27.61	54.0 / AV
7323.000	51.10	74.0 / PK
7323.000	40.74	54.0 / AV
<b>Tx frequency 2480MHz</b>		
<b>Vertical Polarization</b>		
<b>Frequency (MHz)</b>	<b>Level (dBµV/m)</b>	<b>Limit/ Detector (dBµV/m)</b>
568.613	28.94	46.0 / QP
4960.000	43.55	74.0 / PK
4960.000	35.44	54.0 / AV
7440.000	53.45	74.0 / PK
7440.000	42.85	54.0 / AV
<b>Tx frequency 2480MHz</b>		
<b>Horizontal Polarization</b>		
<b>Frequency (MHz)</b>	<b>Level (dBµV/m)</b>	<b>Limit/ Detector (dBµV/m)</b>
893.857	31.39	46.0 / QP
4960.000	39.11	74.0 / PK
4960.000	31.26	54.0 / AV
7440.000	49.77	74.0 / PK
7440.000	40.50	54.0 / AV