




# FCC REPORT

For LTE

Report No. .... : CHTEW22120077 Report Verification: 

Project No. .... : SHT2211015101EW

FCC ID ..... : 2A6LY-0002

Applicant ..... : Resvent Medical Technology Co., Ltd.

Address ..... : Room-602, Building B&C, Gaoxinqi Industrial Park, Liuxian No.1  
Road, Xingdong Community, Bao'an, 518100 ShenZhen,  
PEOPLE'S REPUBLIC OF CHINA

Product Name ..... : iBreeze PAP

Trade Mark ..... : -

Model No. .... : iBreeze 20A

Listed Model(s) ..... : -

Standard ..... : FCC CFR Title 47 Part 2  
FCC CFR Title 47 Part 22  
FCC CFR Title 47 Part 24  
FCC CFR Title 47 Part 27

Date of receipt of test sample ..... : Nov.23, 2022

Date of testing ..... : Nov.23, 2022-Dec.12, 2022

Date of issue ..... : Dec.12, 2022

Result ..... : Pass

Compiled by  
( position+printedname+signature).... : File administrators Fanghui Zhu

*Fanghui Zhu*

Supervised by  
(position+printedname+signature)..... : Project Engineer Xiaodong Zhao

*Xiaodong Zhao*

Approved by  
(position+printedname+signature).... : Manager Hans Hu

*Hans Hu*

Testing Laboratory Name ..... : Shenzhen Huatongwei International Inspection Co., Ltd.

Address ..... : 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao,  
Gongming, Shenzhen, China

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*The test report merely correspond to the test sample.*

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## 1. TEST STANDARDS AND REPORT VERSION

### 1.1. Applicable Standards

The tests were performed according to following standards:

[FCC Rules Part 2](#): FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

[FCC Rules Part 22](#): PUBLIC MOBILE SERVICES

[FCC Rules Part 24](#): PERSONAL COMMUNICATIONS SERVICES

[FCC Rules Part 27](#): MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES

[ANSI C63.26: 2015](#): American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

[KDB 971168 D01 Power Meas License Digital Systems v03](#): MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

### 1.2. Report version information

Revision No.	Date of issue	Description
N/A	2022-12-12	Original

## 2. TEST DESCRIPTION

Section	Test Item	Section in CFR 47	Result <sup>#1</sup>	Test Engineer
5.1	Conducted Output Power	Part 2.1046 Part 22.913(a) Part 24.232(c) Part 27.50	Pass	Xiaodong Zhao
5.2	Peak-to-Average Ratio	Part 24.232 Part 27.50	Pass	Xiaodong Zhao
5.3	99% Occupied Bandwidth & 26 dB Bandwidth	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53	Pass	Xiaodong Zhao
5.4	Band Edge	Part 2.1051 Part 22.917 Part 24.238 Part 27.53	Pass	Xiaodong Zhao
5.5	Conducted Spurious Emissions	Part 2.1051 Part 22.917 Part 24.238 Part 27.53	Pass	Xiaodong Zhao
5.6	Frequency stability vs temperature	Part 2.1055(a)(1)(b) Part 22.355 Part 24.235 Part 27.54	Pass	Xiaodong Zhao
5.7	Frequency stability vs voltage	Part 2.1055(d)(1)(2) Part 22.355 Part 24.235 Part 27.54	Pass	Xiaodong Zhao
5.8	ERP and EIRP	Part 22.913(a) Part 24.232(b) Part 27.50	Pass	Xiaodong Zhao
5.9	Radiated Spurious Emissions	Part 2.1053 Part 22.917 Part 24.238 Part 27.53	Pass	Yifan Wang

Note:

#1: The test result does not include measurement uncertainty value

### 3. SUMMARY

#### 3.1. Client Information

Applicant:	Resvent Medical Technology Co., Ltd.
Address:	Room-602, Building B&C, Gaoxingqi Industrial Park, Liuxian No.1 Road, Xingdong Community, Bao'an, 518100 ShenZhen, PEOPLE'S REPUBLIC OF CHINA
Manufacturer:	Resvent Medical Technology Co., Ltd.
Address:	Room-602, Building B&C, Gaoxingqi Industrial Park, Liuxian No.1 Road, Xingdong Community, Bao'an, 518100 ShenZhen, PEOPLE'S REPUBLIC OF CHINA

#### 3.2. Product Description

Main unit information:	
Product Name:	iBreeze PAP
Trade Mark:	-
Model No.:	iBreeze 20A
Listed Model(s):	-
Power supply:	DC 24V from adapter
Hardware version:	1.0
Software version:	V01.00.00
Accessory unit information:	
Adapter information:	Model : MDA60-220S24-W1 Input: 100-240VA.C., 1.18-0.56A 50/60Hz 2A Max Output: 24Vd.c., 2.5A

#### 3.3. Radio Specification Description

Support Operating Band:	<input checked="" type="checkbox"/> FDD Band 2	<input checked="" type="checkbox"/> FDD Band 4	<input checked="" type="checkbox"/> FDD Band 5
	<input type="checkbox"/> FDD Band 7	<input checked="" type="checkbox"/> FDD Band 12	<input checked="" type="checkbox"/> FDD Band 13
	<input type="checkbox"/> FDD Band 17	<input checked="" type="checkbox"/> FDD Band 25	<input checked="" type="checkbox"/> FDD Band 26
Operating Frequency Range:	Please refer to note #2		
Channel bandwidth:	Please refer to note #3		
Uplink Modulation type #4:	<input checked="" type="checkbox"/> QPSK	<input checked="" type="checkbox"/> 16QAM	<input type="checkbox"/> 64QAM <input type="checkbox"/> 256QAM
Downlink Modulation type #4:	<input checked="" type="checkbox"/> QPSK	<input checked="" type="checkbox"/> 16QAM	<input type="checkbox"/> 64QAM <input type="checkbox"/> 256QAM
Antenna type:	PIFA		
Antenna gain #5:	0.56dBi		

## Note:

- ☒: means that this feature is supported; ☐: means that this feature is not supported
- #2: Operating frequency range is as follow:

LTE Band	Uplink frequency	Downlink frequency
FDD Band 2	1850.7 – 1909.3 MHz	1930.7 – 1989.3 MHz
FDD Band 4	1710.7 – 1754.3 MHz	2110.7 – 2154.3 MHz
FDD Band 5	824.7 – 848.3 MHz	869.7 – 893.3 MHz
FDD Band 12	699.7 – 715.3 MHz	729.7 – 745.3 MHz
FDD Band 13	779.5 – 784.5 MHz	748.5 – 753.5 MHz
FDD Band 25	1850.7 - 1914.3 MHz	1930.7 - 1994.3 MHz
FDD Band 26	824.7 – 848.3 MHz	869.7 – 893.3 MHz

- #3: Supported channel bandwidth is as follow:

LTE Band	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
FDD Band 2	√	√	√	√	√	√
FDD Band 4	√	√	√	√	√	√
FDD Band 5	√	√	√	√	-	-
FDD Band 12	√	√	√	√	-	-
FDD Band 13	-	-	√	√	-	-
FDD Band 25	√	√	√	√	√	√
FDD Band 26	√	√	√	√	√	-

√: means that this feature is supported; -: means that this feature is not supported

- #4: 16QAM only supports 25%RB.
- #5: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, HTW lab has not verified the authenticity of its information

### 3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China	
Connect information:	Tel: 86-755-26715499 E-mail: <a href="mailto:cs@szhtw.com.cn">cs@szhtw.com.cn</a> <a href="http://www.szhtw.com.cn">http://www.szhtw.com.cn</a>	
Qualifications	Type	Accreditation Number
	FCC	762235

## 4. TEST CONFIGURATION

### 4.1. Test frequency list

FDD Band 2	<table><tr><th>Test Frequency ID</th><th>Bandwidth [MHz]</th><th>N<sub>UL</sub></th><th>Frequency of Uplink [MHz]</th><th>N<sub>DL</sub></th><th>Frequency of Downlink [MHz]</th></tr><tr><td rowspan="6">Low Range</td><td>1.4</td><td>18607</td><td>1850.7</td><td>607</td><td>1930.7</td></tr><tr><td>3</td><td>18615</td><td>1851.5</td><td>615</td><td>1931.5</td></tr><tr><td>5</td><td>18625</td><td>1852.5</td><td>625</td><td>1932.5</td></tr><tr><td>10</td><td>18650</td><td>1855</td><td>650</td><td>1935</td></tr><tr><td>15 <sup>[1]</sup></td><td>18675</td><td>1857.5</td><td>675</td><td>1937.5</td></tr><tr><td>20 <sup>[1]</sup></td><td>18700</td><td>1860</td><td>700</td><td>1940</td></tr><tr><td>Mid Range</td><td>1.4/3/5/10/15 <sup>[1]</sup>/20 <sup>[1]</sup></td><td>18900</td><td>1880</td><td>900</td><td>1960</td></tr><tr><td rowspan="6">High Range</td><td>1.4</td><td>19193</td><td>1909.3</td><td>1193</td><td>1989.3</td></tr><tr><td>3</td><td>19185</td><td>1908.5</td><td>1185</td><td>1988.5</td></tr><tr><td>5</td><td>19175</td><td>1907.5</td><td>1175</td><td>1987.5</td></tr><tr><td>10</td><td>19150</td><td>1905</td><td>1150</td><td>1985</td></tr><tr><td>15 <sup>[1]</sup></td><td>19125</td><td>1902.5</td><td>1125</td><td>1982.5</td></tr><tr><td>20 <sup>[1]</sup></td><td>19100</td><td>1900</td><td>1100</td><td>1980</td></tr></table> <p>NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.</p>	Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]	Low Range	1.4	18607	1850.7	607	1930.7	3	18615	1851.5	615	1931.5	5	18625	1852.5	625	1932.5	10	18650	1855	650	1935	15 <sup>[1]</sup>	18675	1857.5	675	1937.5	20 <sup>[1]</sup>	18700	1860	700	1940	Mid Range	1.4/3/5/10/15 <sup>[1]</sup> /20 <sup>[1]</sup>	18900	1880	900	1960	High Range	1.4	19193	1909.3	1193	1989.3	3	19185	1908.5	1185	1988.5	5	19175	1907.5	1175	1987.5	10	19150	1905	1150	1985	15 <sup>[1]</sup>	19125	1902.5	1125	1982.5	20 <sup>[1]</sup>	19100	1900	1100	1980
Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]																																																																						
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FDD Band 4	<table><tr><th>Test Frequency ID</th><th>Bandwidth [MHz]</th><th>N<sub>UL</sub></th><th>Frequency of Uplink [MHz]</th><th>N<sub>DL</sub></th><th>Frequency of Downlink [MHz]</th></tr><tr><td rowspan="6">Low Range</td><td>1.4</td><td>19957</td><td>1710.7</td><td>1957</td><td>2110.7</td></tr><tr><td>3</td><td>19965</td><td>1711.5</td><td>1965</td><td>2111.5</td></tr><tr><td>5</td><td>19975</td><td>1712.5</td><td>1975</td><td>2112.5</td></tr><tr><td>10</td><td>20000</td><td>1715</td><td>2000</td><td>2115</td></tr><tr><td>15</td><td>20025</td><td>1717.5</td><td>2025</td><td>2117.5</td></tr><tr><td>20</td><td>20050</td><td>1720</td><td>2050</td><td>2120</td></tr><tr><td>Mid Range</td><td>1.4/3/5/10/15/20</td><td>20175</td><td>1732.5</td><td>2175</td><td>2132.5</td></tr><tr><td rowspan="6">High Range</td><td>1.4</td><td>20393</td><td>1754.3</td><td>2393</td><td>2154.3</td></tr><tr><td>3</td><td>20385</td><td>1753.5</td><td>2385</td><td>2153.5</td></tr><tr><td>5</td><td>20375</td><td>1752.5</td><td>2375</td><td>2152.5</td></tr><tr><td>10</td><td>20350</td><td>1750</td><td>2350</td><td>2150</td></tr><tr><td>15</td><td>20325</td><td>1747.5</td><td>2325</td><td>2147.5</td></tr><tr><td>20</td><td>20300</td><td>1745</td><td>2300</td><td>2145</td></tr></table>	Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]	Low Range	1.4	19957	1710.7	1957	2110.7	3	19965	1711.5	1965	2111.5	5	19975	1712.5	1975	2112.5	10	20000	1715	2000	2115	15	20025	1717.5	2025	2117.5	20	20050	1720	2050	2120	Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5	High Range	1.4	20393	1754.3	2393	2154.3	3	20385	1753.5	2385	2153.5	5	20375	1752.5	2375	2152.5	10	20350	1750	2350	2150	15	20325	1747.5	2325	2147.5	20	20300	1745	2300	2145
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Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5																																																																						
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FDD Band 5	<table><tr><th>Test Frequency ID</th><th>Bandwidth [MHz]</th><th>N<sub>UL</sub></th><th>Frequency of Uplink [MHz]</th><th>N<sub>DL</sub></th><th>Frequency of Downlink [MHz]</th></tr><tr><td rowspan="4">Low Range</td><td>1.4</td><td>20407</td><td>824.7</td><td>2407</td><td>869.7</td></tr><tr><td>3</td><td>20415</td><td>825.5</td><td>2415</td><td>870.5</td></tr><tr><td>5</td><td>20425</td><td>826.5</td><td>2425</td><td>871.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>20450</td><td>829</td><td>2450</td><td>874</td></tr><tr><td>Mid Range</td><td>1.4/3/5/10 <sup>[1]</sup></td><td>20525</td><td>836.5</td><td>2525</td><td>881.5</td></tr><tr><td rowspan="4">High Range</td><td>1.4</td><td>20643</td><td>848.3</td><td>2643</td><td>893.3</td></tr><tr><td>3</td><td>20635</td><td>847.5</td><td>2635</td><td>892.5</td></tr><tr><td>5</td><td>20625</td><td>846.5</td><td>2625</td><td>891.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>20600</td><td>844</td><td>2600</td><td>889</td></tr></table> <p>NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.</p>	Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]	Low Range	1.4	20407	824.7	2407	869.7	3	20415	825.5	2415	870.5	5	20425	826.5	2425	871.5	10 <sup>[1]</sup>	20450	829	2450	874	Mid Range	1.4/3/5/10 <sup>[1]</sup>	20525	836.5	2525	881.5	High Range	1.4	20643	848.3	2643	893.3	3	20635	847.5	2635	892.5	5	20625	846.5	2625	891.5	10 <sup>[1]</sup>	20600	844	2600	889																				
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FDD Band 12	<p>Table 4.3.1.1.12-1: Test frequencies for E-UTRA channel bandwidth for operating band 12</p> <table><tr><th>Test Frequency ID</th><th>Bandwidth [MHz]</th><th>N<sub>UL</sub></th><th>Frequency of Uplink [MHz]</th><th>N<sub>DL</sub></th><th>Frequency of Downlink [MHz]</th></tr><tr><td rowspan="4">Low Range</td><td>1.4</td><td>23017</td><td>699.7</td><td>5017</td><td>729.7</td></tr><tr><td>3</td><td>23025</td><td>700.5</td><td>5025</td><td>730.5</td></tr><tr><td>5 <sup>[1]</sup></td><td>23035</td><td>701.5</td><td>5035</td><td>731.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>23060</td><td>704</td><td>5060</td><td>734</td></tr><tr><td>Mid Range</td><td>1.4/3/5 <sup>[1]</sup>/10 <sup>[1]</sup></td><td>23095</td><td>707.5</td><td>5095</td><td>737.5</td></tr><tr><td rowspan="4">High Range</td><td>1.4</td><td>23173</td><td>715.3</td><td>5173</td><td>745.3</td></tr><tr><td>3</td><td>23165</td><td>714.5</td><td>5165</td><td>744.5</td></tr><tr><td>5 <sup>[1]</sup></td><td>23155</td><td>713.5</td><td>5155</td><td>743.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>23130</td><td>711</td><td>5130</td><td>741</td></tr></table> <p>NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.</p>	Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]	Low Range	1.4	23017	699.7	5017	729.7	3	23025	700.5	5025	730.5	5 <sup>[1]</sup>	23035	701.5	5035	731.5	10 <sup>[1]</sup>	23060	704	5060	734	Mid Range	1.4/3/5 <sup>[1]</sup> /10 <sup>[1]</sup>	23095	707.5	5095	737.5	High Range	1.4	23173	715.3	5173	745.3	3	23165	714.5	5165	744.5	5 <sup>[1]</sup>	23155	713.5	5155	743.5	10 <sup>[1]</sup>	23130	711	5130	741																				
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	10 <sup>[1]</sup>	23060	704	5060	734																																																																						
Mid Range	1.4/3/5 <sup>[1]</sup> /10 <sup>[1]</sup>	23095	707.5	5095	737.5																																																																						
High Range	1.4	23173	715.3	5173	745.3																																																																						
	3	23165	714.5	5165	744.5																																																																						
	5 <sup>[1]</sup>	23155	713.5	5155	743.5																																																																						
	10 <sup>[1]</sup>	23130	711	5130	741																																																																						
FDD Band 13	<table><tr><th>Test Frequency ID</th><th>Bandwidth [MHz]</th><th>N<sub>UL</sub></th><th>Frequency of Uplink [MHz]</th><th>N<sub>DL</sub></th><th>Frequency of Downlink [MHz]</th></tr><tr><td rowspan="2">Low Range</td><td>5 <sup>[1]</sup></td><td>23205</td><td>779.5</td><td>5205</td><td>748.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>23230</td><td>782</td><td>5230</td><td>751</td></tr><tr><td>Mid Range</td><td>5 <sup>[1]</sup>/10 <sup>[1]</sup></td><td>23230</td><td>782</td><td>5230</td><td>751</td></tr><tr><td rowspan="2">High Range</td><td>5 <sup>[1]</sup></td><td>23255</td><td>784.5</td><td>5255</td><td>753.5</td></tr><tr><td>10 <sup>[1]</sup></td><td>23230</td><td>782</td><td>5230</td><td>751</td></tr></table> <p>NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.</p>	Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]	Low Range	5 <sup>[1]</sup>	23205	779.5	5205	748.5	10 <sup>[1]</sup>	23230	782	5230	751	Mid Range	5 <sup>[1]</sup> /10 <sup>[1]</sup>	23230	782	5230	751	High Range	5 <sup>[1]</sup>	23255	784.5	5255	753.5	10 <sup>[1]</sup>	23230	782	5230	751																																								
Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]																																																																						
Low Range	5 <sup>[1]</sup>	23205	779.5	5205	748.5																																																																						
	10 <sup>[1]</sup>	23230	782	5230	751																																																																						
Mid Range	5 <sup>[1]</sup> /10 <sup>[1]</sup>	23230	782	5230	751																																																																						
High Range	5 <sup>[1]</sup>	23255	784.5	5255	753.5																																																																						
	10 <sup>[1]</sup>	23230	782	5230	751																																																																						



FDD Band 25

Test Frequency ID	Bandwidth [MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
Low Range	1.4	26047	1850.7	8047	1930.7
	3	26055	1851.5	8055	1931.5
	5	26065	1852.5	8065	1932.5
	10	26090	1855	8090	1935
	15 <sup>(1)</sup>	26115	1857.5	8115	1937.5
	20 <sup>(1)</sup>	26140	1860	8140	1940
Mid Range	1.4/3/5/10/15 <sup>(1)</sup> /20 <sup>(1)</sup>	26365	1882.5	8365	1962.5
High Range	1.4	26683	1914.3	8683	1994.3
	3	26675	1913.5	8675	1993.5
	5	26665	1912.5	8665	1992.5
	10	26640	1910	8640	1990
	15 <sup>(1)</sup>	26615	1907.5	8615	1987.5
	20 <sup>(1)</sup>	26590	1905	8590	1985

NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.

FDD Band 26

Test Frequency ID	Banwidth[MHz]	N <sub>UL</sub>	Frequency of Uplink [MHz]	N <sub>DL</sub>	Frequency of Downlink [MHz]
Low Range	1.4	26797	824.7	8797	869.7
	3	26805	825.5	8805	870.5
	5	26815	826.5	8815	871.5
	10	26840	829	8840	874
	15	26865	831.5	8865	876.5
Mid Range	1.4/3/5/10/15	26915	836.5	8915	881.5
High Range	1.4	27033	848.3	9033	893.3
	3	27025	847.5	9025	892.5
	5	27015	846.5	9015	891.5
	10	26990	844	8990	889
	15	26965	841.5	8965	886.5

## 4.2. Descriptions of Test mode

Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems and ANSI C63.26 with maximum output power.

Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Test configuration is as follow:

Test Items	Bandwidth	Modulation	RB #		
			1	Half	Full
Conducted Output Power	#6	#7	○	○	○
Peak-to-Average Ratio	#6	#7	○	-	○
99% Occupied Bandwidth & 26 dB Bandwidth	#6	#7	-	-	○
Band Edge	#6	#7	○	-	○
Conducted Spurious Emission	#6	#7	○	-	-
Frequency Stability	#6	#7	-	-	○
ERP and EIRP	#6	#7	○	○	○
Radiated Spurious Emission	#6	#7	○	-	-

Note:

- #6: Test all kind of bandwidth in section 3.3
- #7: Test all kind of uplink modulation in section 3.3
- ○: means that this configuration is chosen for testing
- -: means that this configuration is not test.
- The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different bandwidth, modulations and RB size/offset in exploratory test. Subsequently, only the worst case emissions (highest bandwidth, QPSK, and 1RB0) are reported.

### 4.3. Test sample information

Test item	HTW sample no.
Conducted test items	Please refer to the description in the appendix report
Radiated test items	YPHT22110151001

Note:

Conducted test items: Conducted Output Power, Peak-Average Ratio, 99% Occupied Bandwidth & 26 dB Bandwidth, Band Edge, Conducted Spurious Emissions, Frequency stability, ERP and EIRP

Radiated test items: Radiated Spurious Emission

### 4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?				
✓ No				
Item	Equipment	Trade Name	Model No.	Other
1				
2				

### 4.5. Testing environmental condition

Voltage	VN=Nominal Voltage	AC 120V
	VL=Lower Voltage	AC 102V
	VH=Higher Voltage	AC 138V
Temperature	TN=Normal Temperature	25 °C
	Extreme Temperature	From -30°C to + 50°C
Humidity	30~60 %	
Air Pressure	950-1050 hPa	

#### 4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Conducted Output Power	0.66
2	Peak-to-Average Ratio	-
3	99% Occupied Bandwidth & 26 dB Bandwidth	0.002%
4	Band Edge	1.68dB
5	Conducted Spurious Emissions	1.68dB
6	Frequency stability	0.02ppm
7	Radiated Spurious Emission	4.54dB for 30MHz-1GHz 5.10dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

#### 4.7. Equipments Used during the Test

●	Conducted test item						
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
○	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2022/08/25	2023/08/24
○	Signal & Spectrum Analyzer	R&S	HTWE0262	FSW26	103440	2022/08/25	2023/08/24
●	Spectrum Analyzer	Agilent	HTWE0286	N9020A	MY50510187	2022/08/25	2023/08/24
●	Radio communication tester	R&S	HTWE0287	CMW500	137688-Lv	2022/08/25	2023/08/24
●	Test software	Tonscend	N/A	JS1120	N/A	N/A	N/A

●	Radiated Spurious Emission						
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11121	2018/09/27	2023/09/26
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2022/08/25	2023/08/24
●	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2024/04/05
●	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2020/04/27	2023/04/26
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2024/04/05
●	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
●	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2022/11/04	2023/11/03
●	Broadband Preamplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2022/02/28	2023/02/27
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2022/02/25	2023/02/24
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
●	RF Connection Cable	HUBER+SUHNER	HTWE0119-05	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
●	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2022/02/25	2023/02/24
●	EMI Test Software	Audix	N/A	E3	N/A	N/A	N/A

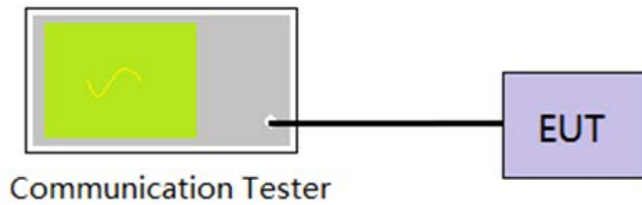
●	Auxiliary Equipment						
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Climate chamber	ESPEC	HTWE0254	GPL-2	N/A	2022/08/29	2023/08/28
●	DC Power Supply	Gwinstek	HTWE0274	SPS-2415	GER835793	N/A	N/A

## 5. TEST CONDITIONS AND RESULTS

### 5.1. Conducted Output Power

**LIMIT**

N/A

**TEST CONFIGURATION****TEST PROCEDURE**

1. The EUT output port was connected to communication tester.
2. Set EUT at maximum power through communication tester.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power.

**TEST MODE:**

Please refer to the clause 4.2

**TEST RESULTS**☒ **Passed**      ☐ **Not Applicable**

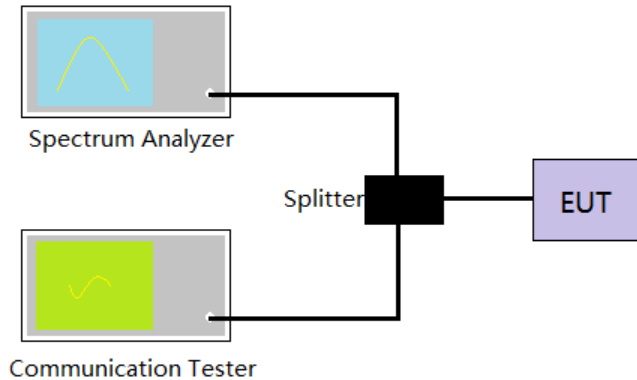
Refer to appendix A on the section 8 appendix report

## 5.2. Peak-to-Average Ratio

### LIMIT

13dB

### TEST CONFIGURATION



### TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Center Frequency = Carrier frequency, RBW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed.
  - i. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.
  - ii. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power
6. Record the maximum PAPR level associated with a probability of 0.1%.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULTS

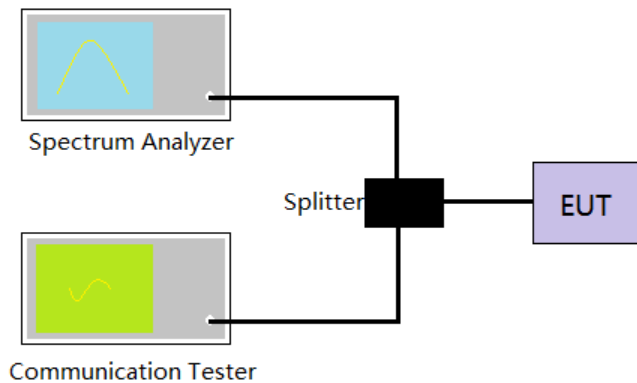
☒ **Passed**      ☐ **Not Applicable**

Refer to appendix B on the section 8 appendix report

### 5.3. 99% Occupied Bandwidth & 26 dB Bandwidth

**LIMIT**

N/A

**TEST CONFIGURATION****TEST PROCEDURE**

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Spectrum analyzer setting as follow:  
Center Frequency= Carrier frequency, RBW=1% to 5% of the anticipated OBW, VBW= 3 \* RBW,  
Detector=Peak,  
Trace maximum hold.
4. Record the value of 99% Occupied bandwidth and 26dB bandwidth.

**TEST MODE:**

Please refer to the clause 4.2

**TEST RESULTS**☒ **Passed**      ☐ **Not Applicable**

Refer to appendix C on the section 8 appendix report



## 5.4. Band Edge

### LIMIT

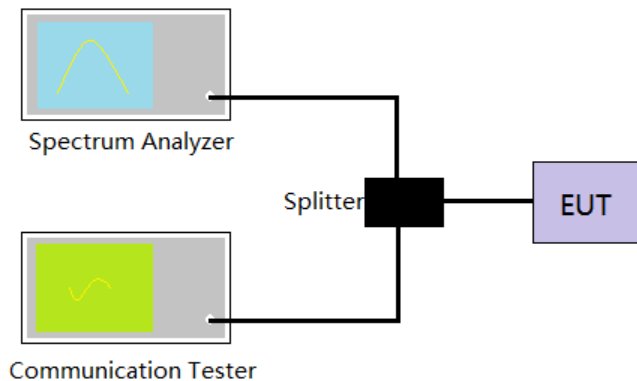
Part 24.238 and Part 22.917 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

### LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

### TEST CONFIGURATION



### TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. The band edges of low and high channels were measured.
4. Spectrum analyzer setting as follow:  
RBW= no less than 1% of the OBW, VBW =3 \* RBW, Sweep time= Auto
5. Record the test plot.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULTS

☒ Passed ☐ Not Applicable

Refer to appendix D on the section 8 appendix report

## 5.5. Conducted Spurious Emissions

### LIMIT

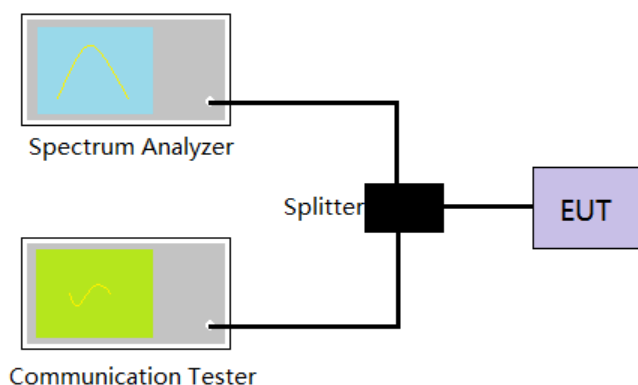
Part 24.238 and Part 22.917 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least  $43 + 10 \log(P)$  dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

### LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than  $40 + 10 \log(P)$  dB on all frequencies between the channel edge and 5 megahertz from the channel edge,  $43 + 10 \log(P)$  dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and  $55 + 10 \log(P)$  dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than  $43 + 10 \log(P)$  dB on all frequencies between 2490.5 MHz and 2496 MHz and  $55 + 10 \log(P)$  dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Limit  $<-25$  dBm

### TEST CONFIGURATION



### TEST PROCEDURE

1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
2. Set EUT in maximum power output.
3. Spectrum analyzer setting as follow:  
Below 1GHz, RBW=100KHz, VBW = 300KHz, Detector=Peak, Sweep time= Auto  
Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peak, Sweep time= Auto  
Scan frequency range up to 10<sup>th</sup> harmonic.
4. Record the test plot.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULTS

☒ **Passed**      ☐ **Not Applicable**

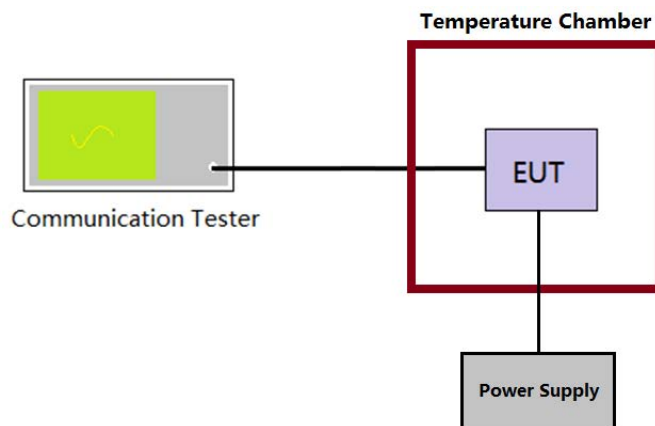
Refer to appendix E on the section 8 appendix report

## 5.6. Frequency stability VS Temperature measurement

### LIMIT

2.5ppm

### TEST CONFIGURATION



### TEST PROCEDURE

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. The EUT output port was connected to communication tester.
3. The EUT was placed inside the temperature chamber.
4. Turn EUT off and set the chamber temperature to  $-30^{\circ}\text{C}$ . After the temperature stabilized for approximately 30 minutes recorded the frequency.
5. Repeat step 4 measure with  $10^{\circ}\text{C}$  increased per stage until the highest temperature of  $+50^{\circ}\text{C}$  reached.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULTS

☒ Passed      ☐ Not Applicable

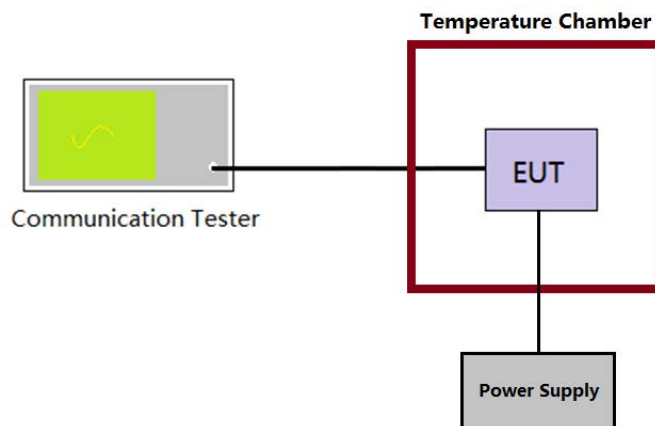
Refer to appendix F on the section 8 appendix report

## 5.7. Frequency stability VS Voltage measurement

### LIMIT

2.5ppm

### TEST CONFIGURATION



### TEST PROCEDURE

1. The equipment under test was connected to an external DC power supply and input rated voltage.
2. The EUT output port was connected to communication tester.
3. The EUT was placed inside the temperature chamber at 25°C
4. The power supply voltage to the EUT was varied  $\pm 15\%$  of the nominal value measured at the input to the EUT
5. Record the maximum frequency change.

### TEST MODE:

Please refer to the clause 4.2

### TEST RESULTS

☒ Passed      ☐ Not Applicable

Refer to appendix F on the section 8 appendix report

## 5.8. ERP and EIRP

### LIMIT

LTE Band 2/25: 2W(33dBm) EIRP

LTE Band 4: 1W(30dBm) EIRP

LTE Band 5/26: 7W(38.50dBm) ERP

LTE Band 12/13: 3W(34.77dBm) ERP

### TEST PROCEDURE

1. According to the power tested in section 5.1, select the maximum power in each mode, and use the following formula to calculate the corresponding ERP/EIRP.

2.  $ERP = \text{conducted power} + \text{Gain(dBd)}$

3.  $EIRP = \text{conducted power} + \text{Gain(dBi)}$

$$ERP = EIRP - 2.15$$

### TEST RESULTS

☒ **Passed**      ☐ **Not Applicable**

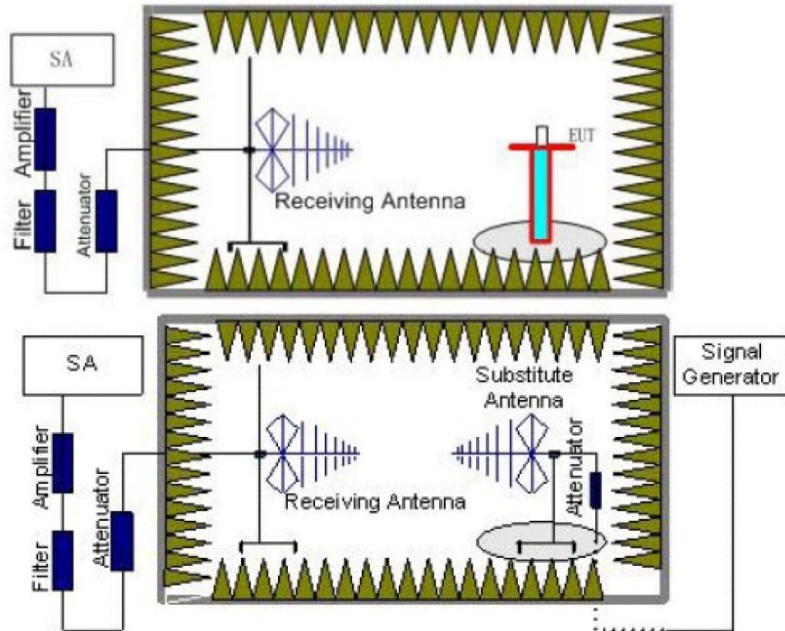
Refer to appendix G on the section 8 appendix report

## 5.9. Radiated Spurious Emission

### LIMIT

LTE Band 2/4/5/12/13/25/26: -13dBm

### TEST CONFIGURATION



### TEST PROCEDURE

1. Place the EUT in the center of the turntable.
  - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
  - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical positions and lengths to maximize emissions levels.
3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
4. Receiver or Spectrum set as follow:
 

Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto

Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto
5. Each emission under consideration shall be evaluated:
  - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
  - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
  - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
  - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
  - e) Record the measured emission amplitude level and frequency
6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.

7. Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
10. For each emission that was detected and measured in the initial test
  - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
  - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
  - c) Record the output power level of the signal generator when equivalence is achieved in step b).
11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:
$$P_e = P_s(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$
where  
 $P_e$  = equivalent emission power in dBm  
 $P_s$  = source (signal generator) power in dBm  
*NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.*
13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:
$$\text{gain (dBd)} = \text{gain (dBi)} - 2.15 \text{ dB.}$$
If necessary, the antenna gain can be calculated from calibrated antenna factor information
14. Provide the complete measurement results as a part of the test report.

**TEST MODE:**

Please refer to the clause 4.2

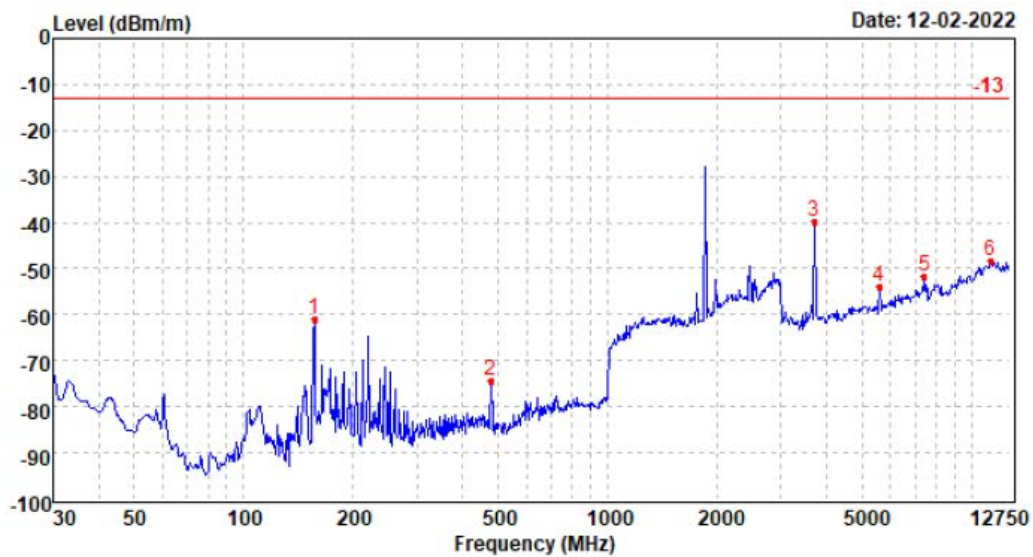
**TEST RESULTS**

☒ **Passed**      ☐ **Not Applicable**

Note: only show the worse case for QPSK modulation.

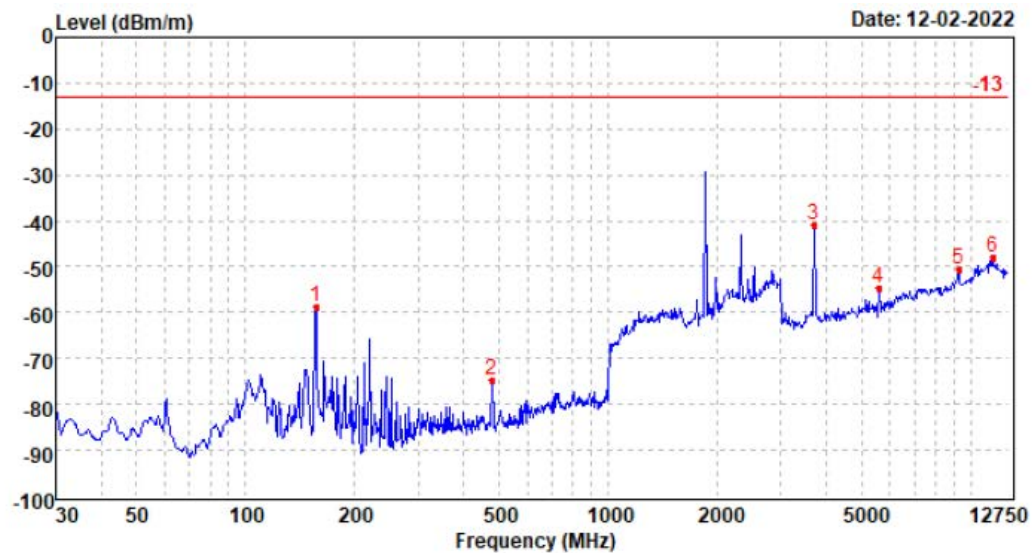
## LTE Band2

Test channel: Low Polarization: Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	156.64	-50.86	18.84	1.86	30.63	-60.79	-13.00	-47.79	Peak
2	479.24	-72.43	25.20	3.50	30.46	-74.19	-13.00	-61.19	Peak
3	3709.69	-45.25	42.28	5.02	41.71	-39.66	-13.00	-26.66	Peak
4	5574.67	-63.37	43.76	6.11	40.50	-54.00	-13.00	-41.00	Peak
5	7432.62	-66.29	48.40	7.24	40.99	-51.64	-13.00	-38.64	Peak
6	11283.55	-69.86	52.95	8.90	40.47	-48.48	-13.00	-35.48	Peak

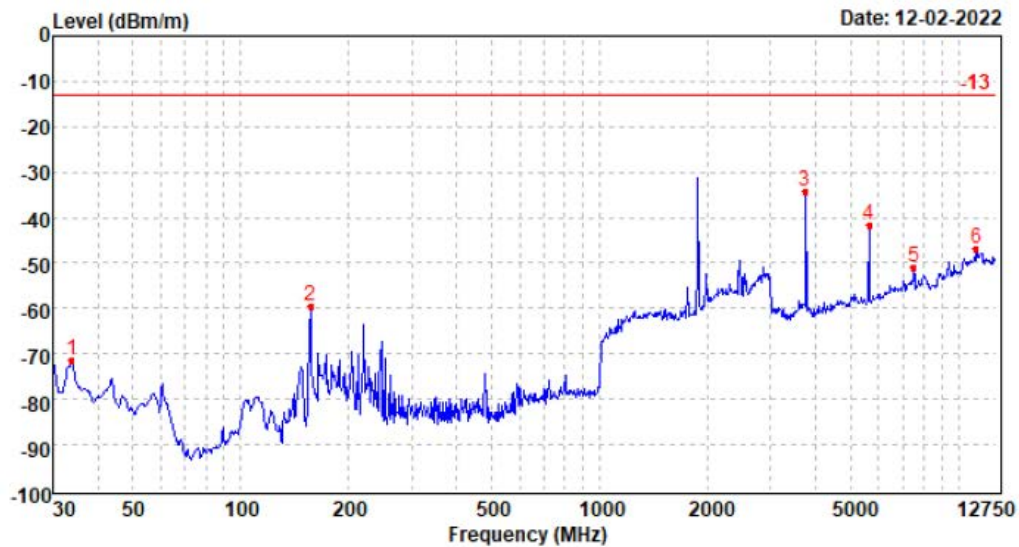
Test channel: Low Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	156.64	-50.97	20.89	1.86	30.63	-58.85	-13.00	-45.85	Peak
2	479.24	-73.43	25.71	3.50	30.46	-74.68	-13.00	-61.68	Peak
3	3709.69	-46.54	42.29	5.02	41.71	-40.94	-13.00	-27.94	Peak
4	5574.67	-64.02	43.93	6.11	40.50	-54.48	-13.00	-41.48	Peak
5	9298.80	-68.74	49.78	7.96	39.42	-50.42	-13.00	-37.42	Peak
6	11515.68	-70.03	53.20	8.97	40.13	-47.99	-13.00	-34.99	Peak

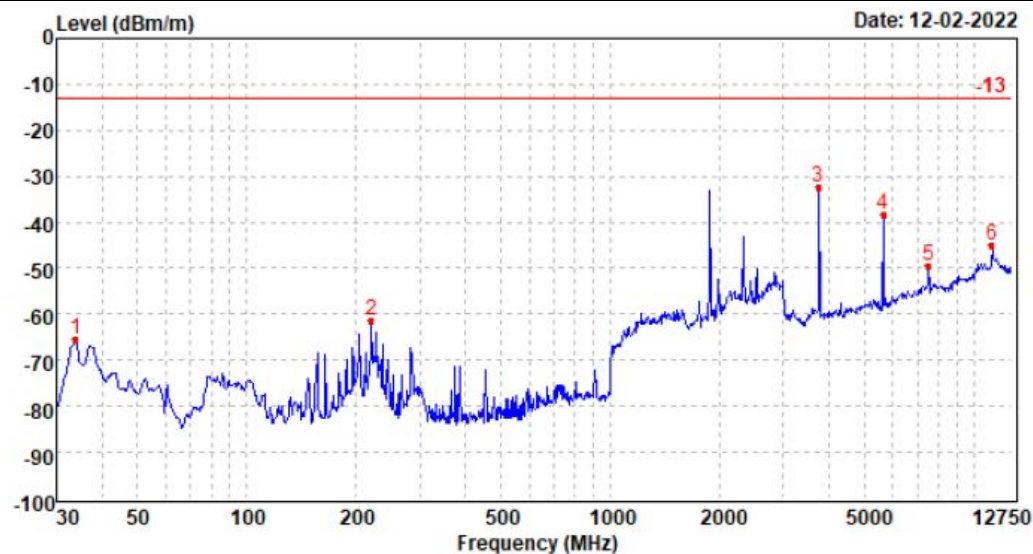


Test channel:	Mid	Polarization:	Horizontal
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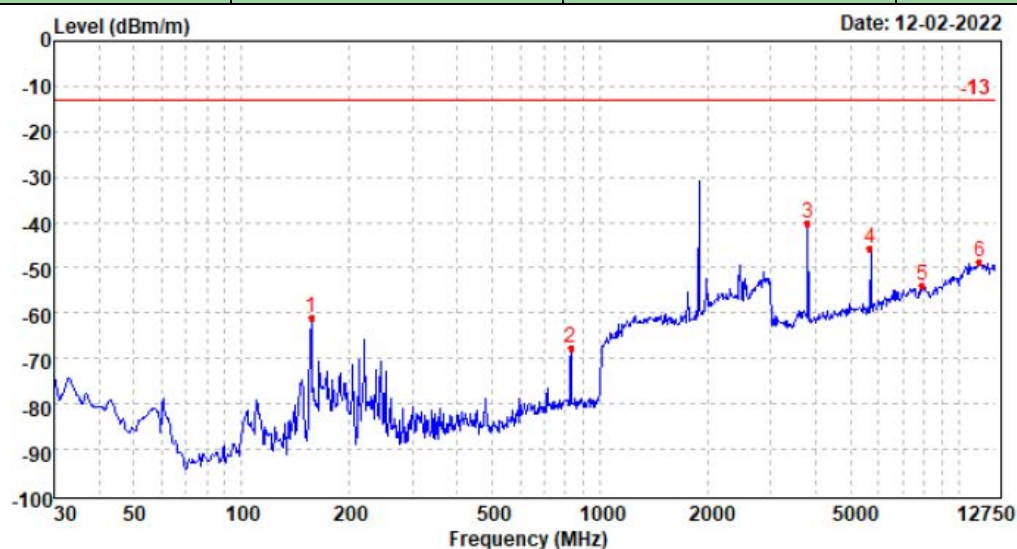
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	33.93	-68.29	26.84	0.84	30.91	-71.52	-13.00	-58.52	Peak
2	156.64	-49.60	18.84	1.86	30.63	-59.53	-13.00	-46.53	Peak
3	3747.66	-39.88	42.24	5.03	41.69	-34.30	-13.00	-21.30	Peak
4	5631.73	-50.89	43.77	6.15	40.50	-41.47	-13.00	-28.47	Peak
5	7508.69	-65.21	48.05	7.29	40.97	-50.84	-13.00	-37.84	Peak
6	11254.86	-68.00	52.95	8.87	40.53	-46.71	-13.00	-33.71	Peak

Test channel:	Mid	Polarization:	Vertical
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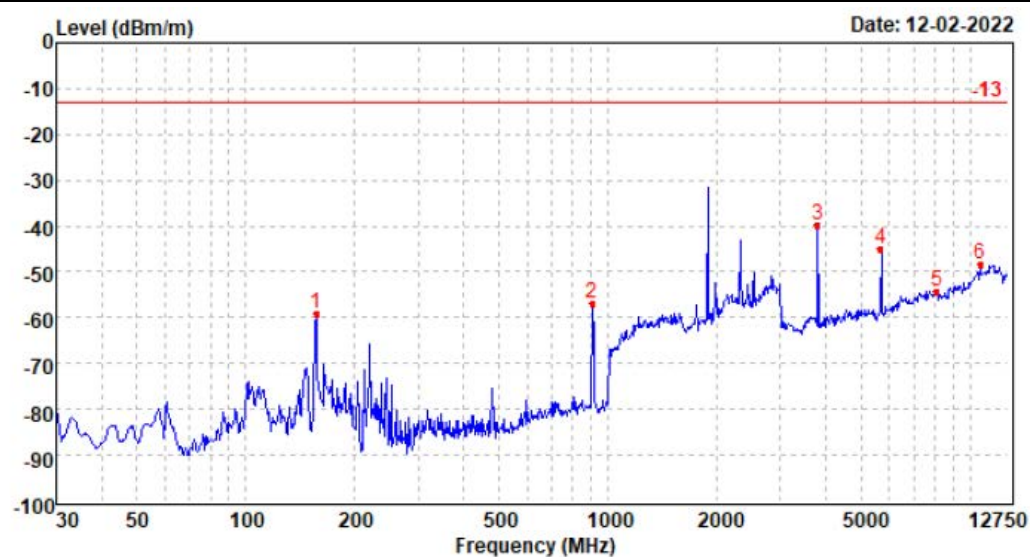
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	33.93	-54.48	19.23	0.84	30.91	-65.32	-13.00	-52.32	Peak
2	220.31	-51.79	18.80	2.25	30.51	-61.25	-13.00	-48.25	Peak
3	3747.66	-37.68	42.17	5.03	41.69	-32.17	-13.00	-19.17	Peak
4	5631.73	-47.96	43.94	6.15	40.50	-38.37	-13.00	-25.37	Peak
5	7508.69	-64.30	48.40	7.29	40.97	-49.58	-13.00	-36.58	Peak
6	11254.86	-66.28	53.01	8.87	40.53	-44.93	-13.00	-31.93	Peak

Test channel: High Polarization: Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	156.64	-50.99	18.84	1.86	30.63	-60.92	-13.00	-47.92	Peak
2	832.39	-72.43	29.92	4.77	30.00	-67.74	-13.00	-54.74	Peak
3	3795.66	-45.73	42.19	5.06	41.67	-40.15	-13.00	-27.15	Peak
4	5689.36	-55.18	43.85	6.18	40.50	-45.65	-13.00	-32.65	Peak
5	7941.19	-69.25	48.06	7.51	40.39	-54.07	-13.00	-41.07	Peak
6	11486.41	-70.57	52.98	8.96	40.11	-48.74	-13.00	-35.74	Peak

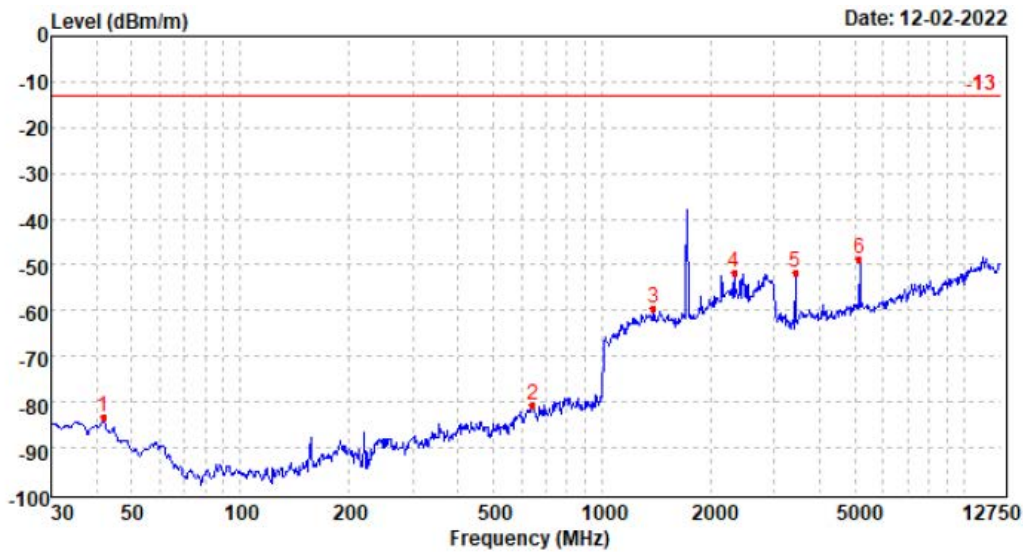
Test channel: High Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	156.64	-51.30	20.89	1.86	30.63	-59.18	-13.00	-46.18	Peak
2	905.69	-61.67	29.89	5.01	29.94	-56.71	-13.00	-43.71	Peak
3	3795.66	-45.23	42.03	5.06	41.67	-39.81	-13.00	-26.81	Peak
4	5689.36	-54.80	44.00	6.18	40.50	-45.12	-13.00	-32.12	Peak
5	8125.22	-69.66	47.65	7.59	39.87	-54.29	-13.00	-41.29	Peak
6	10669.02	-69.02	52.48	8.55	40.38	-48.37	-13.00	-35.37	Peak

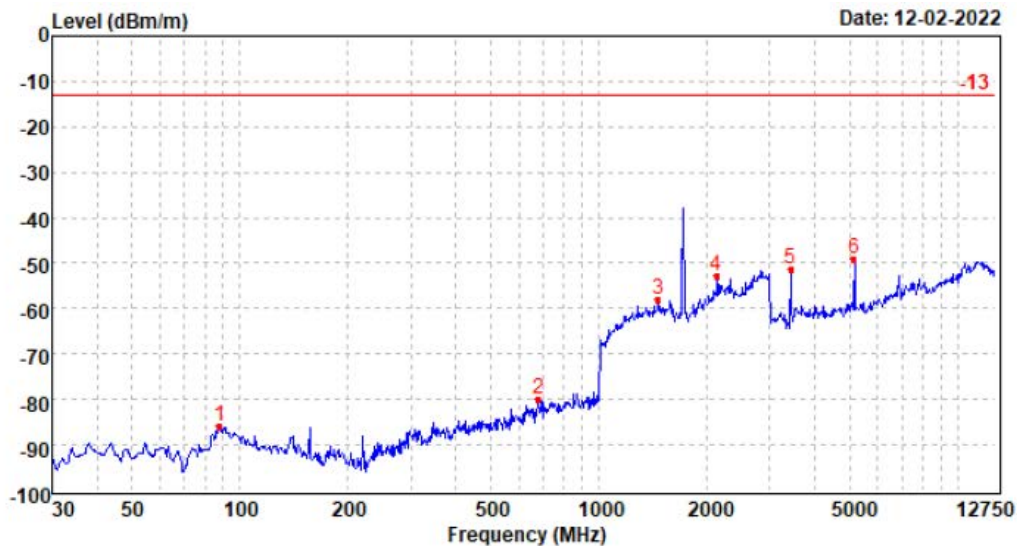
## LTE Band4

Test channel: Low Polarization: Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	41.75	-80.31	26.96	0.93	30.87	-83.29	-13.00	-70.29	Peak
2	643.93	-83.44	28.84	4.11	30.12	-80.61	-13.00	-67.61	Peak
3	1385.81	-73.44	37.13	6.34	29.46	-59.43	-13.00	-46.43	Peak
4	2325.03	-71.78	40.24	8.85	28.99	-51.68	-13.00	-38.68	Peak
5	3428.21	-54.63	39.99	4.67	41.83	-51.80	-13.00	-38.80	Peak
6	5151.68	-58.00	44.05	5.85	40.78	-48.88	-13.00	-35.88	Peak

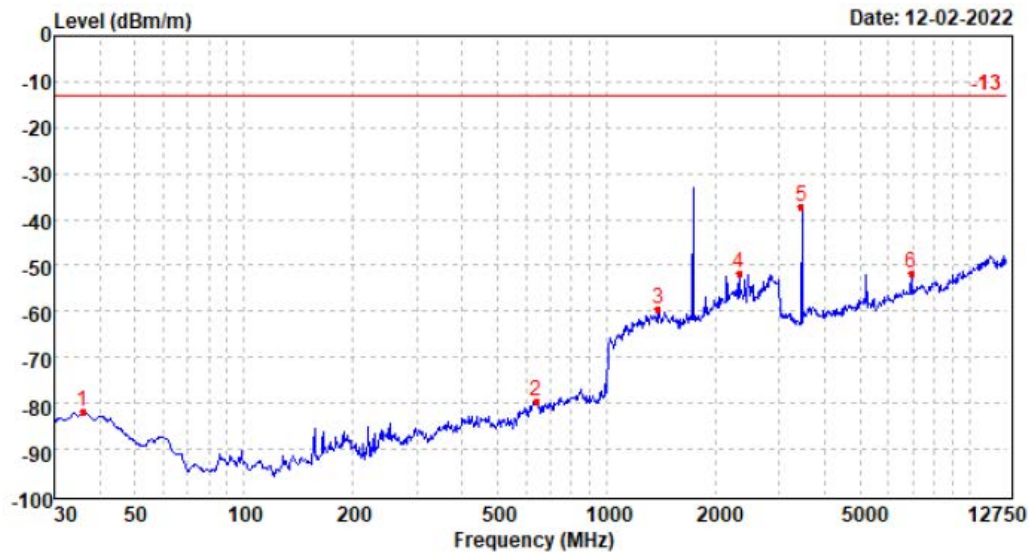
Test channel: Low Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	87.68	-81.39	24.87	1.41	30.84	-85.95	-13.00	-72.95	Peak
2	681.20	-82.77	28.66	4.23	30.09	-79.97	-13.00	-66.97	Peak
3	1464.07	-73.35	37.76	6.77	29.26	-58.08	-13.00	-45.08	Peak
4	2131.75	-72.18	40.60	8.26	29.48	-52.80	-13.00	-39.80	Peak
5	3428.21	-54.32	40.01	4.67	41.83	-51.47	-13.00	-38.47	Peak
6	5151.68	-58.20	44.06	5.85	40.78	-49.07	-13.00	-36.07	Peak

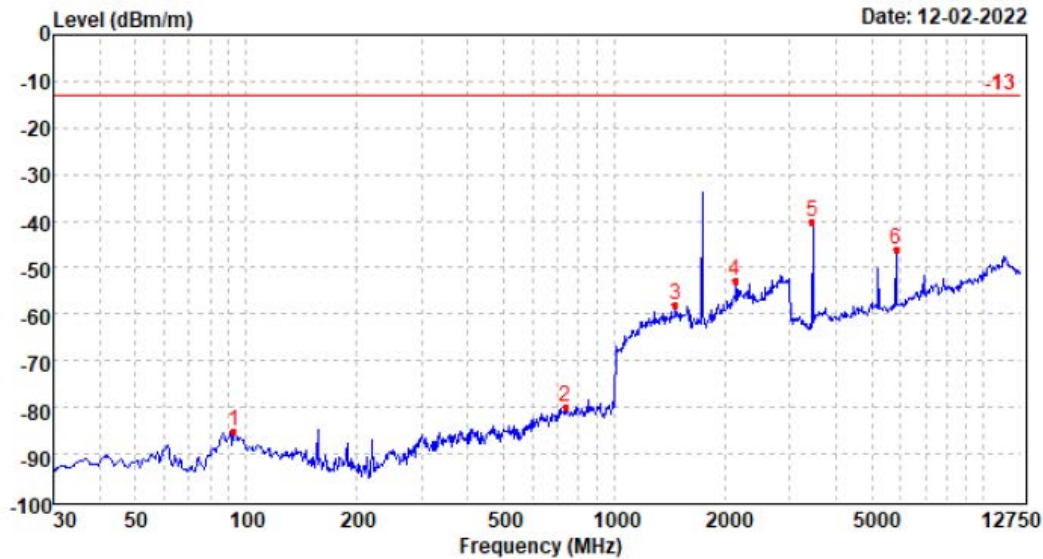


Test channel:	Mid	Polarization:	Horizontal
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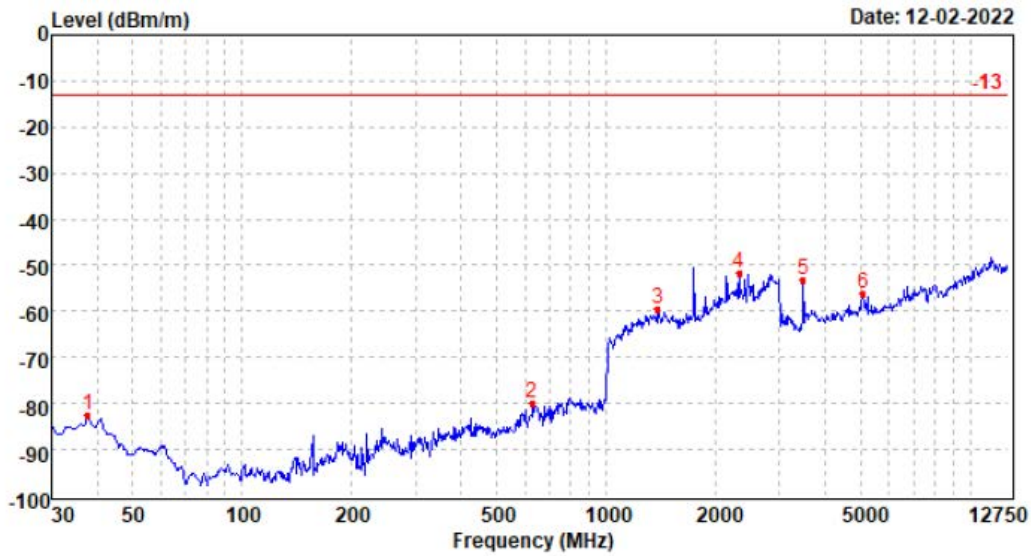
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	35.89	-78.89	27.16	0.86	30.89	-81.76	-13.00	-68.76	Peak
2	641.67	-82.49	28.96	4.10	30.14	-79.57	-13.00	-66.57	Peak
3	1385.81	-73.44	37.13	6.34	29.46	-59.43	-13.00	-46.43	Peak
4	2325.03	-71.78	40.24	8.85	28.99	-51.68	-13.00	-38.68	Peak
5	3454.49	-40.55	40.36	4.69	41.82	-37.32	-13.00	-24.32	Peak
6	6921.30	-64.91	47.30	6.96	41.06	-51.71	-13.00	-38.71	Peak

Test channel:	Mid	Polarization:	Vertical
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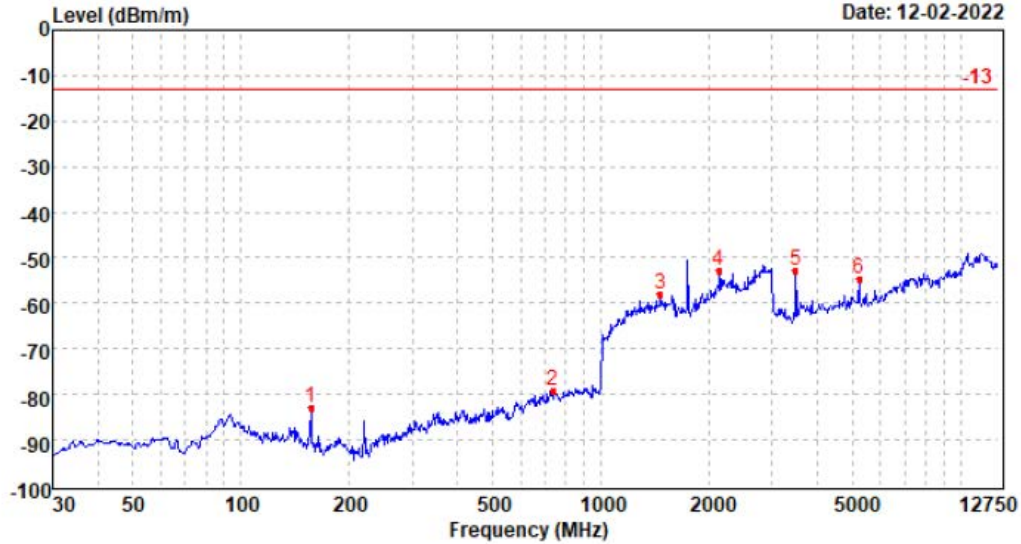
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	92.76	-81.60	25.85	1.44	30.87	-85.18	-13.00	-72.18	Peak
2	738.59	-83.69	29.58	4.48	30.15	-79.78	-13.00	-66.78	Peak
3	1464.07	-73.35	37.76	6.77	29.26	-58.08	-13.00	-45.08	Peak
4	2131.75	-72.18	40.60	8.26	29.48	-52.80	-13.00	-39.80	Peak
5	3454.49	-43.30	40.42	4.69	41.82	-40.01	-13.00	-27.01	Peak
6	5836.04	-56.12	44.24	6.27	40.32	-45.93	-13.00	-32.93	Peak

Test channel:	High	Polarization:	Horizontal
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Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	37.84	-80.07	27.46	0.88	30.86	-82.59	-13.00	-69.59	Peak
2	628.27	-82.28	28.60	4.06	30.25	-79.87	-13.00	-66.87	Peak
3	1385.81	-73.44	37.13	6.34	29.46	-59.43	-13.00	-46.43	Peak
4	2325.03	-71.78	40.24	8.85	28.99	-51.68	-13.00	-38.68	Peak
5	3480.97	-56.76	40.74	4.72	41.82	-53.12	-13.00	-40.12	Peak
6	5086.52	-65.44	44.18	5.80	40.83	-56.29	-13.00	-43.29	Peak

Test channel:	High	Polarization:	Vertical
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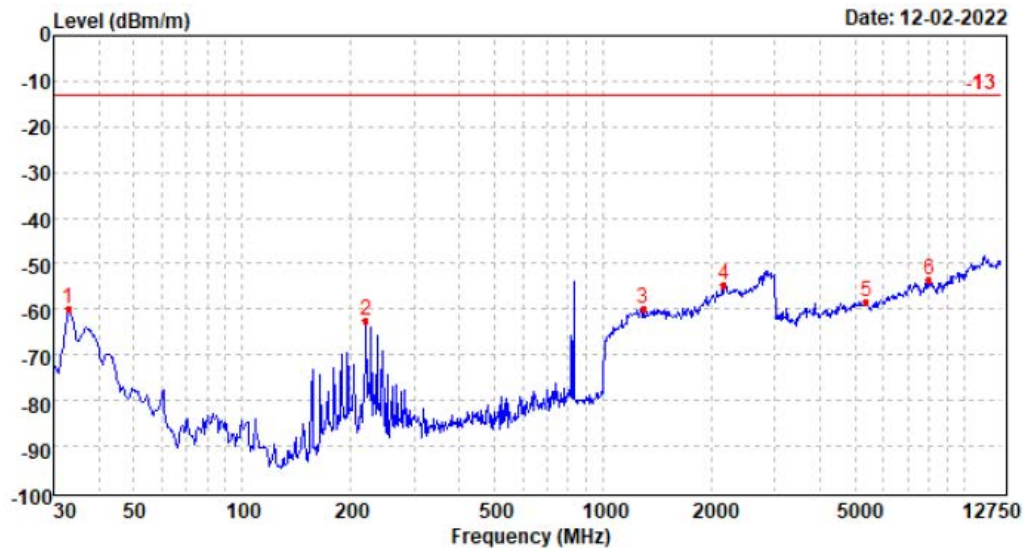


Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	156.64	-74.89	20.89	1.86	30.63	-82.77	-13.00	-69.77	Peak
2	738.59	-83.13	29.58	4.48	30.15	-79.22	-13.00	-66.22	Peak
3	1464.07	-73.35	37.76	6.77	29.26	-58.08	-13.00	-45.08	Peak
4	2131.75	-72.18	40.60	8.26	29.48	-52.80	-13.00	-39.80	Peak
5	3480.97	-56.36	40.83	4.72	41.82	-52.63	-13.00	-39.63	Peak
6	5230.96	-63.96	43.95	5.90	40.72	-54.83	-13.00	-41.83	Peak



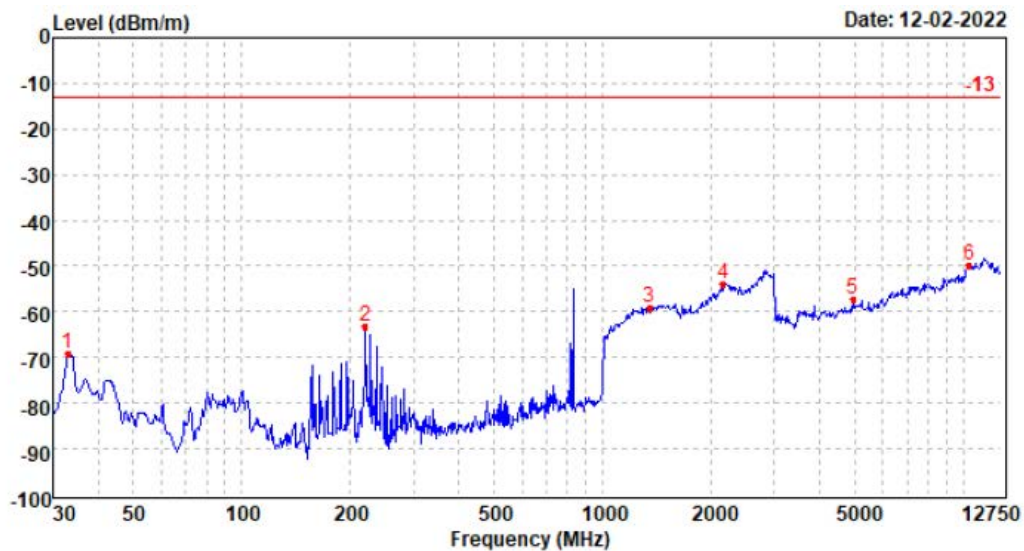
## LTE Band5

Test channel: Low Polarization: Horizontal



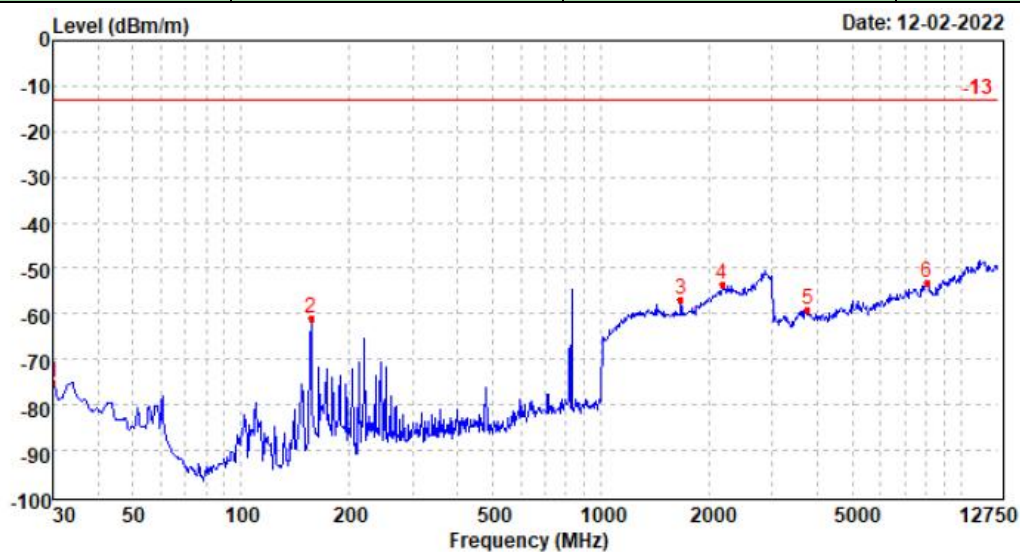
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-56.37	26.67	0.83	30.92	-59.79	-13.00	-46.79	Peak
2	220.31	-53.53	19.41	2.25	30.51	-62.38	-13.00	-49.38	Peak
3	1291.72	-73.14	36.94	6.08	29.66	-59.78	-13.00	-46.78	Peak
4	2167.17	-74.26	40.68	8.37	29.36	-54.57	-13.00	-41.57	Peak
5	5365.83	-102.30	44.06	-500.00	-500.00	-58.24	-13.00	-45.24	Peak
6	8022.46	-101.42	48.05	-500.00	-500.00	-53.37	-13.00	-40.37	Peak

Test channel: Low Polarization: Vertical



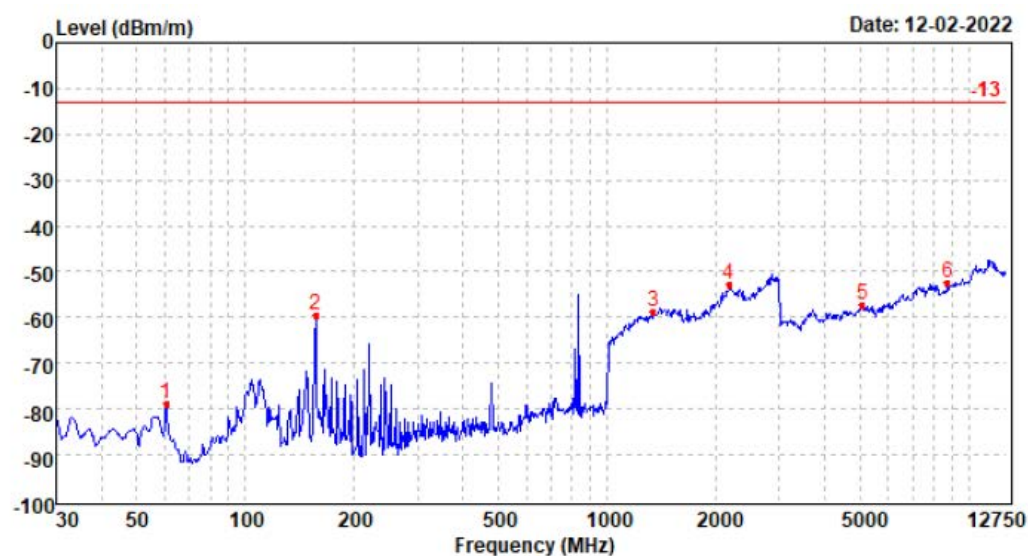
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-57.86	18.92	0.83	30.92	-69.03	-13.00	-56.03	Peak
2	220.31	-53.86	18.80	2.25	30.51	-63.32	-13.00	-50.32	Peak
3	1355.70	-73.32	37.57	6.22	29.40	-58.93	-13.00	-45.93	Peak
4	2167.17	-73.99	41.19	8.37	29.36	-53.79	-13.00	-40.79	Peak
5	4958.68	-66.50	44.33	5.72	40.92	-57.37	-13.00	-44.37	Peak
6	10427.37	-70.66	52.06	8.52	39.59	-49.67	-13.00	-36.67	Peak

Test channel: Mid Polarization: Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	30.00	-70.90	26.13	0.80	30.95	-74.92	-13.00	-61.92	Peak
2	156.64	-51.20	18.84	1.86	30.63	-61.13	-13.00	-48.13	Peak
3	1666.72	-70.73	36.22	7.27	29.48	-56.72	-13.00	-43.72	Peak
4	2179.11	-73.41	40.78	8.42	29.39	-53.60	-13.00	-40.60	Peak
5	3757.21	-64.59	42.23	5.04	41.69	-59.01	-13.00	-46.01	Peak
6	8083.96	-68.52	47.83	7.57	39.99	-53.11	-13.00	-40.11	Peak

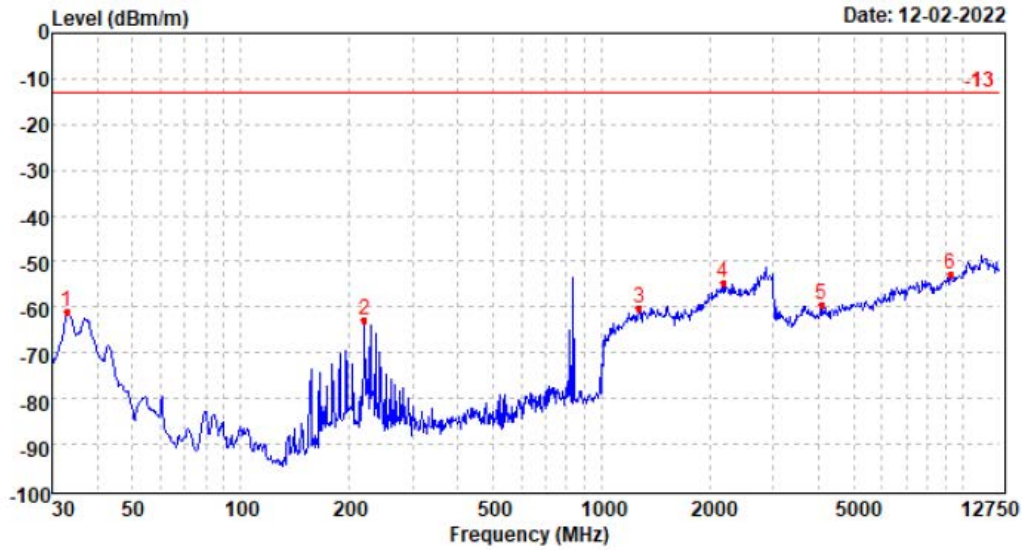
Test channel: Mid Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	60.40	-72.51	23.58	1.13	31.03	-78.83	-13.00	-65.83	Peak
2	156.64	-51.61	20.89	1.86	30.63	-59.49	-13.00	-46.49	Peak
3	1342.36	-73.17	37.51	6.18	29.43	-58.91	-13.00	-45.91	Peak
4	2179.11	-73.04	41.39	8.42	29.39	-52.62	-13.00	-39.62	Peak
5	5086.52	-66.65	44.25	5.80	40.83	-57.43	-13.00	-44.43	Peak
6	8770.01	-69.34	49.27	7.93	40.15	-52.29	-13.00	-39.29	Peak

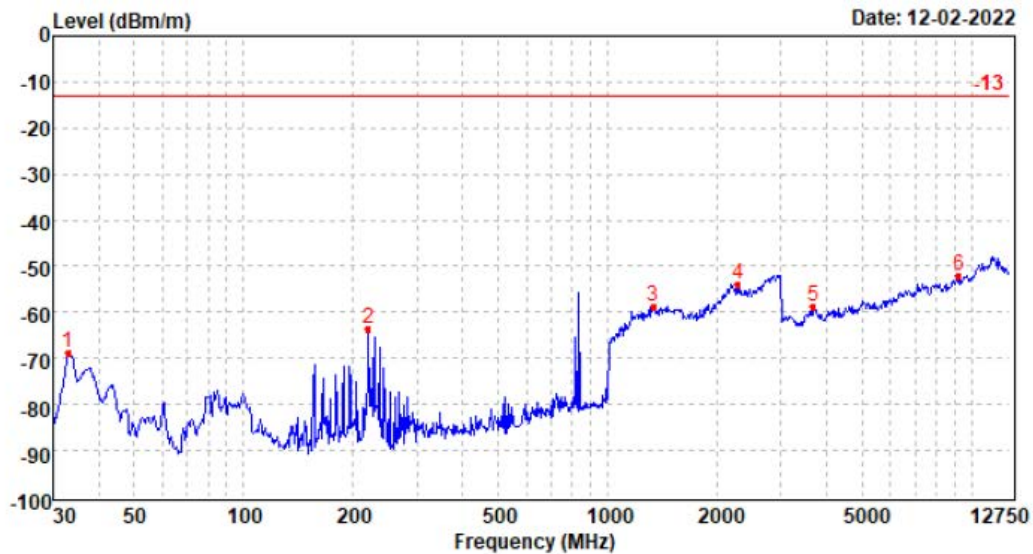


Test channel:	High	Polarization:	Horizontal
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Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-57.44	26.67	0.83	30.92	-60.86	-13.00	-47.86	Peak
2	220.31	-53.97	19.41	2.25	30.51	-62.82	-13.00	-49.82	Peak
3	1270.61	-73.48	36.89	6.04	29.70	-60.25	-13.00	-47.25	Peak
4	2179.11	-74.40	40.78	8.42	29.39	-54.59	-13.00	-41.59	Peak
5	4076.07	-64.68	41.64	5.18	41.52	-59.38	-13.00	-46.38	Peak
6	9275.16	-70.91	49.53	7.95	39.44	-52.87	-13.00	-39.87	Peak

Test channel:	High	Polarization:	Vertical
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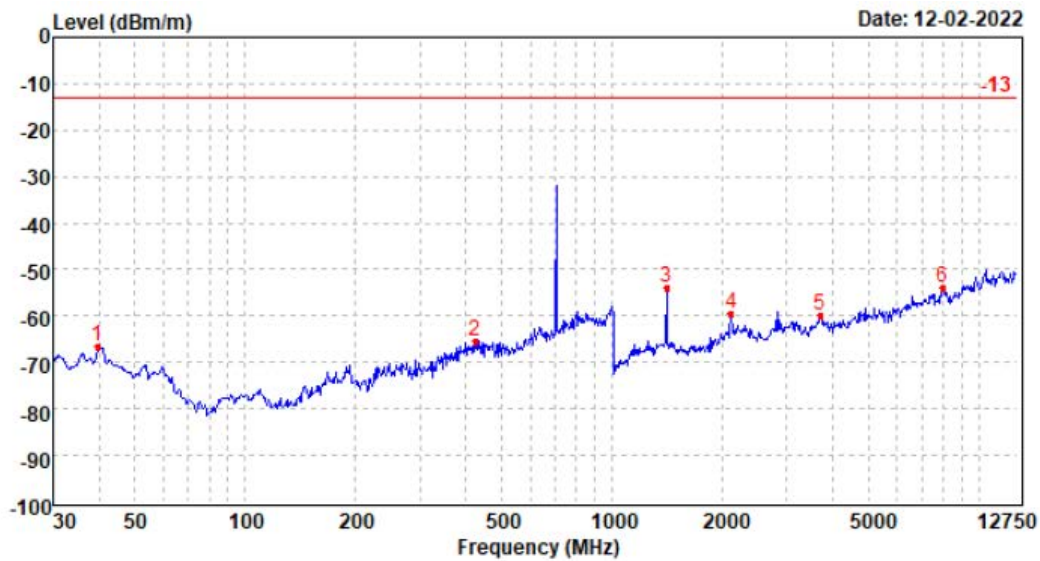


Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-57.60	18.92	0.83	30.92	-68.77	-13.00	-55.77	Peak
2	220.31	-53.94	18.80	2.25	30.51	-63.40	-13.00	-50.40	Peak
3	1339.41	-73.08	37.50	6.18	29.44	-58.84	-13.00	-45.84	Peak
4	2287.03	-74.00	40.66	8.65	29.22	-53.91	-13.00	-40.91	Peak
5	3672.11	-64.27	42.40	5.00	41.73	-58.60	-13.00	-45.60	Peak
6	9228.06	-70.33	49.74	7.93	39.48	-52.14	-13.00	-39.14	Peak



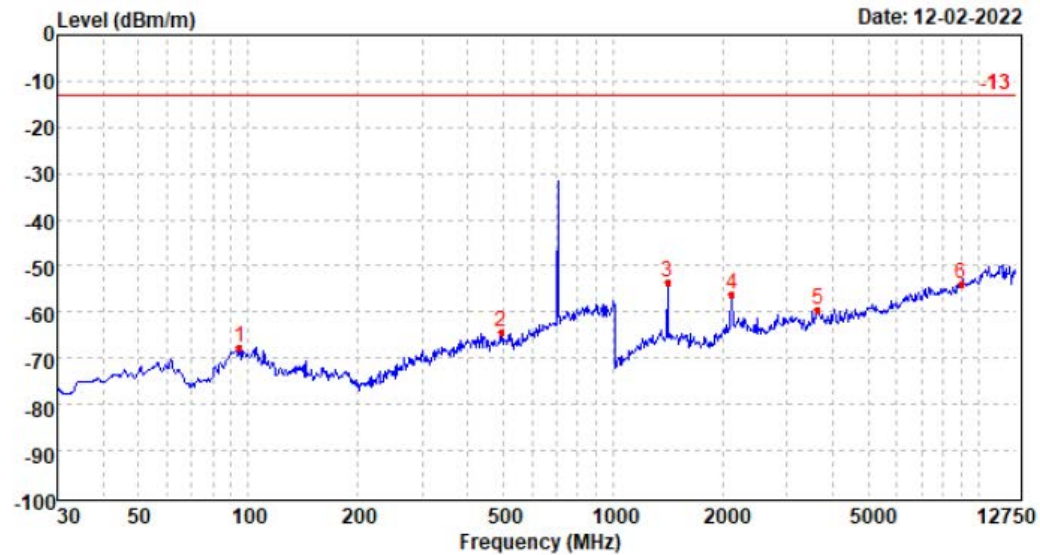
## LTE Band12

Test channel: Low Polarization: Horizontal



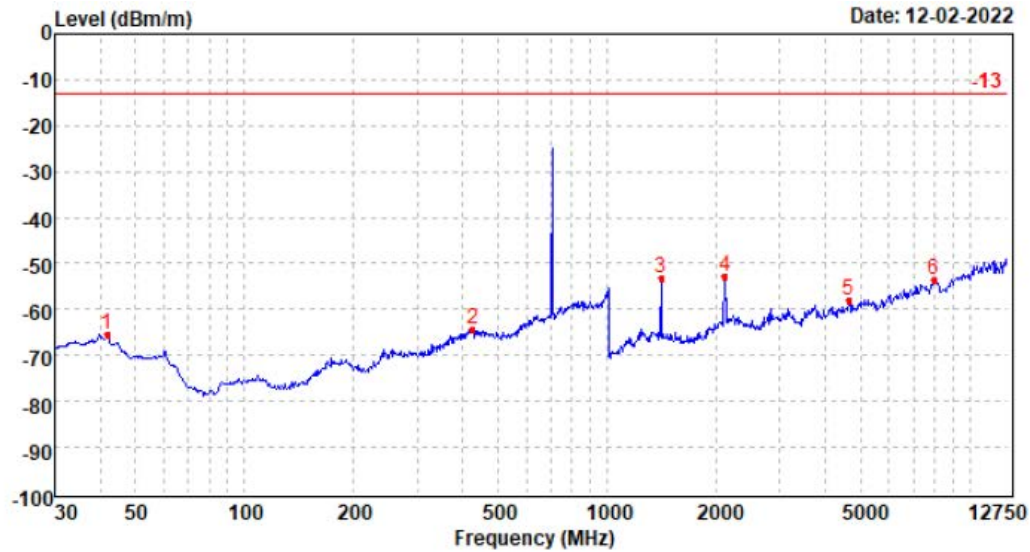
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	39.75	-95.24	27.74	0.90	0.00	-66.60	-13.00	-53.60	Peak
2	425.24	-94.60	26.00	3.26	0.00	-65.34	-13.00	-52.34	Peak
3	1410.08	-51.49	37.10	3.08	42.60	-53.91	-13.00	-40.91	Peak
4	2113.59	-61.16	40.19	3.72	42.33	-59.58	-13.00	-46.58	Peak
5	3700.26	-65.52	42.29	5.01	41.72	-59.94	-13.00	-46.94	Peak
6	7981.72	-69.35	48.11	7.53	40.28	-53.99	-13.00	-40.99	Peak

Test channel: Low Polarization: Vertical



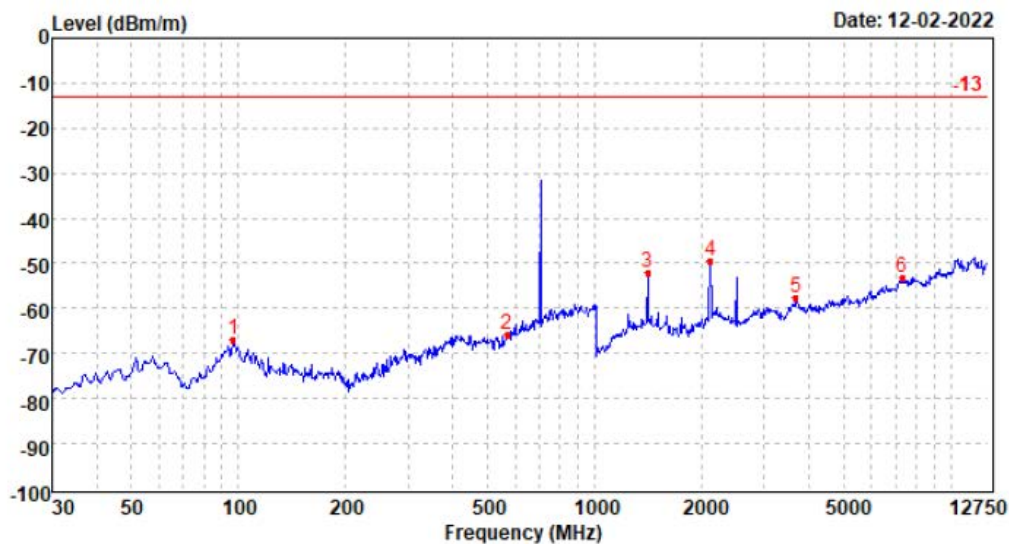
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	94.74	-94.88	25.82	1.46	0.00	-67.60	-13.00	-54.60	Peak
2	494.65	-94.00	26.12	3.57	0.00	-64.31	-13.00	-51.31	Peak
3	1410.08	-51.64	37.76	3.08	42.60	-53.40	-13.00	-40.40	Peak
4	2113.59	-57.87	40.29	3.72	42.33	-56.19	-13.00	-43.19	Peak
5	3634.91	-65.03	42.51	4.93	41.76	-59.35	-13.00	-46.35	Peak
6	8973.25	-71.05	48.74	8.13	39.72	-53.90	-13.00	-40.90	Peak

Test channel:	Mid	Polarization:	Horizontal
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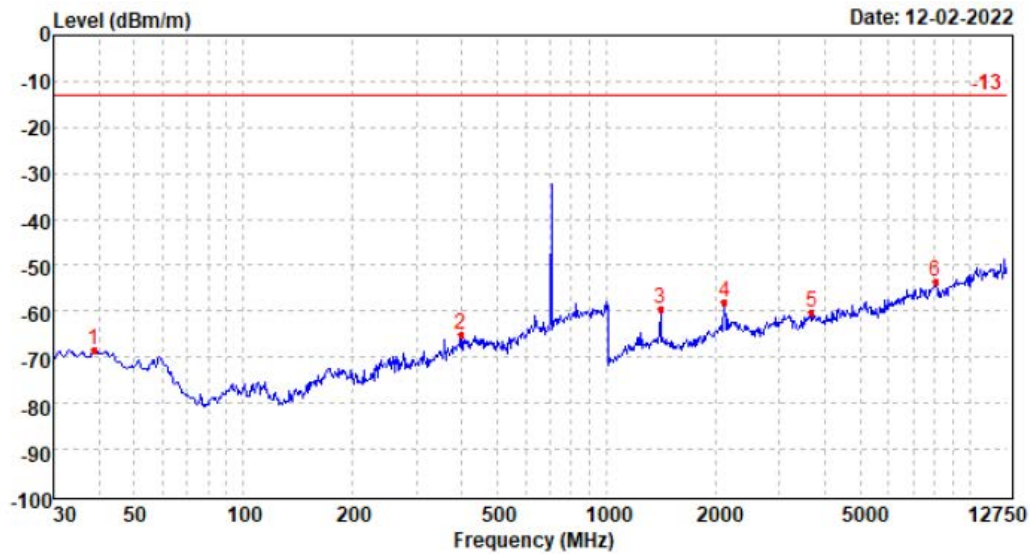
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	41.75	-93.44	26.96	0.93	0.00	-65.55	-13.00	-52.55	Peak
2	426.73	-93.63	26.00	3.27	0.00	-64.36	-13.00	-51.36	Peak
3	1410.08	-50.81	37.10	3.08	42.60	-53.23	-13.00	-40.23	Peak
4	2113.59	-54.52	40.19	3.72	42.33	-52.94	-13.00	-39.94	Peak
5	4652.95	-66.00	43.51	5.50	41.10	-58.09	-13.00	-45.09	Peak
6	7981.72	-68.84	48.11	7.53	40.28	-53.48	-13.00	-40.48	Peak

Test channel:	Mid	Polarization:	Vertical
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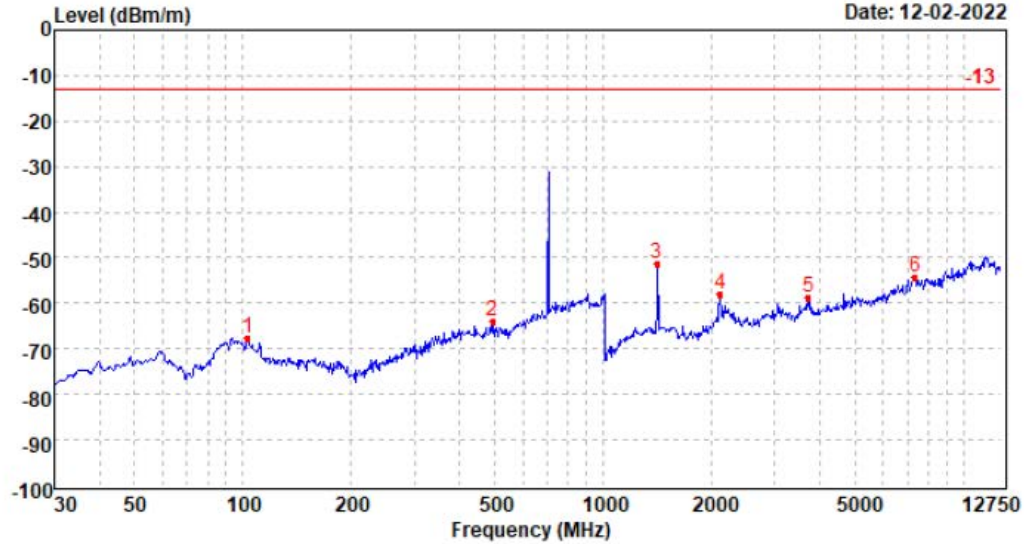
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	96.76	-94.16	25.79	1.47	0.00	-66.90	-13.00	-53.90	Peak
2	567.36	-95.70	26.07	3.85	0.00	-65.78	-13.00	-52.78	Peak
3	1410.08	-50.24	37.76	3.08	42.60	-52.00	-13.00	-39.00	Peak
4	2113.59	-51.17	40.29	3.72	42.33	-49.49	-13.00	-36.49	Peak
5	3681.47	-63.13	42.37	5.00	41.73	-57.49	-13.00	-44.49	Peak
6	7338.62	-67.99	48.61	7.19	41.02	-53.21	-13.00	-40.21	Peak

Test channel:	High	Polarization:	Horizontal
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Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	38.78	-97.02	27.60	0.89	0.00	-68.53	-13.00	-55.53	Peak
2	397.75	-93.57	25.37	3.12	0.00	-65.08	-13.00	-52.08	Peak
3	1410.08	-57.24	37.10	3.08	42.60	-59.66	-13.00	-46.66	Peak
4	2113.59	-59.70	40.19	3.72	42.33	-58.12	-13.00	-45.12	Peak
5	3690.85	-65.64	42.30	5.01	41.72	-60.05	-13.00	-47.05	Peak
6	8063.40	-69.12	47.90	7.56	40.04	-53.70	-13.00	-40.70	Peak

Test channel:	High	Polarization:	Vertical
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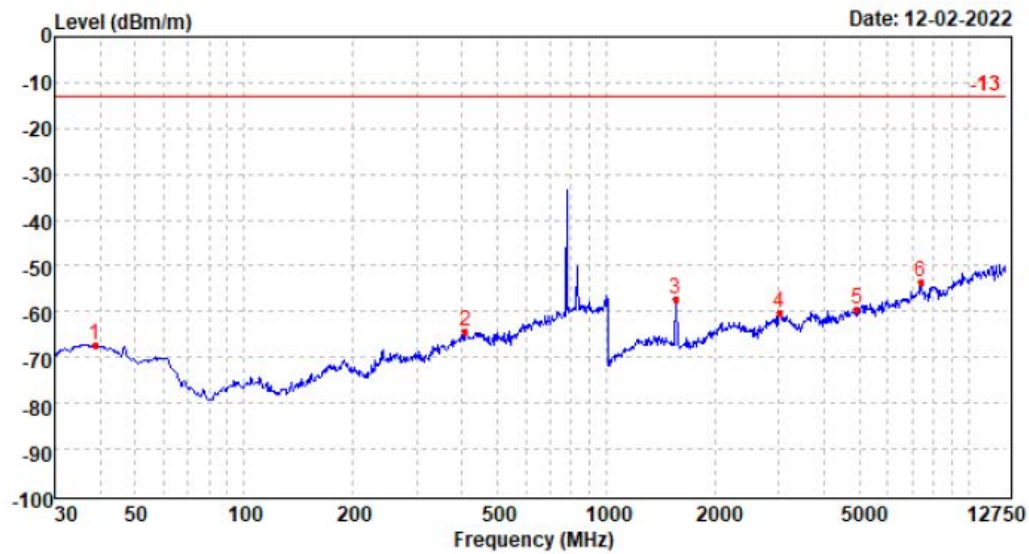


Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	103.44	-94.35	25.28	1.52	0.00	-67.55	-13.00	-54.55	Peak
2	494.65	-93.57	26.12	3.57	0.00	-63.88	-13.00	-50.88	Peak
3	1413.67	-49.38	37.76	3.09	42.60	-51.13	-13.00	-38.13	Peak
4	2113.59	-59.79	40.29	3.72	42.33	-58.11	-13.00	-45.11	Peak
5	3728.63	-64.20	42.23	5.03	41.70	-58.64	-13.00	-45.64	Peak
6	7357.33	-68.99	48.60	7.20	41.01	-54.20	-13.00	-41.20	Peak



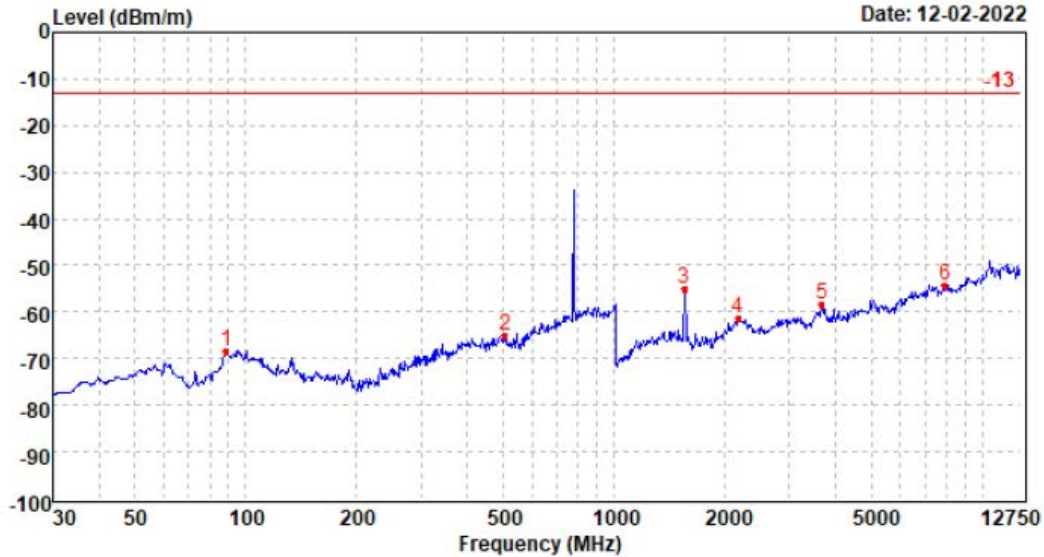
## LTE Band13

Test channel: Low Polarization: Horizontal



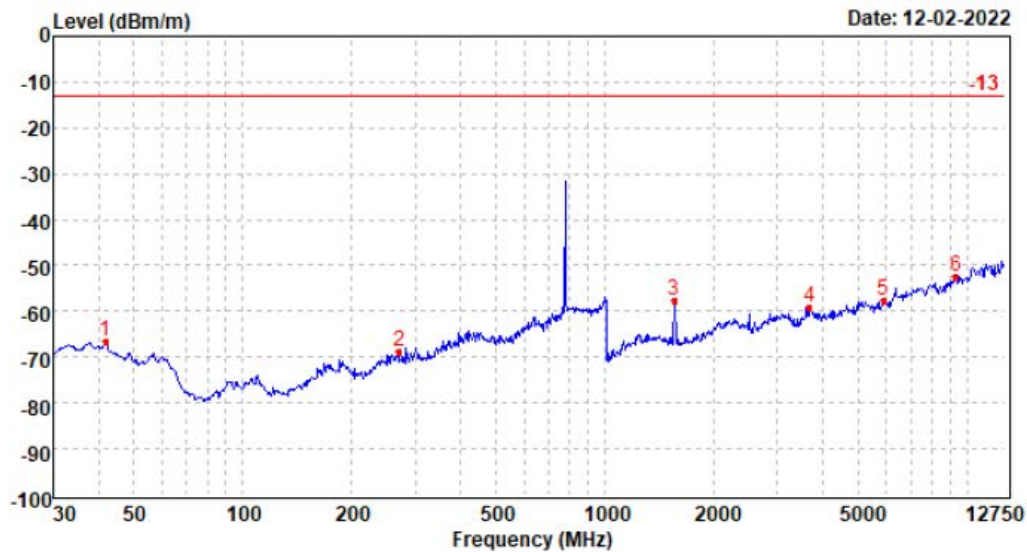
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	38.78	-95.67	27.60	0.89	0.00	-67.18	-13.00	-54.18	Peak
2	409.10	-93.29	25.67	3.18	0.00	-64.44	-13.00	-51.44	Peak
3	1557.25	-54.06	36.20	3.23	42.53	-57.16	-13.00	-44.16	Peak
4	3010.83	-63.98	41.06	4.46	41.94	-60.40	-13.00	-47.40	Peak
5	4920.96	-68.18	44.08	5.69	40.93	-59.34	-13.00	-46.34	Peak
6	7394.88	-68.23	48.53	7.22	41.00	-53.48	-13.00	-40.48	Peak

Test channel: Low Polarization: Vertical



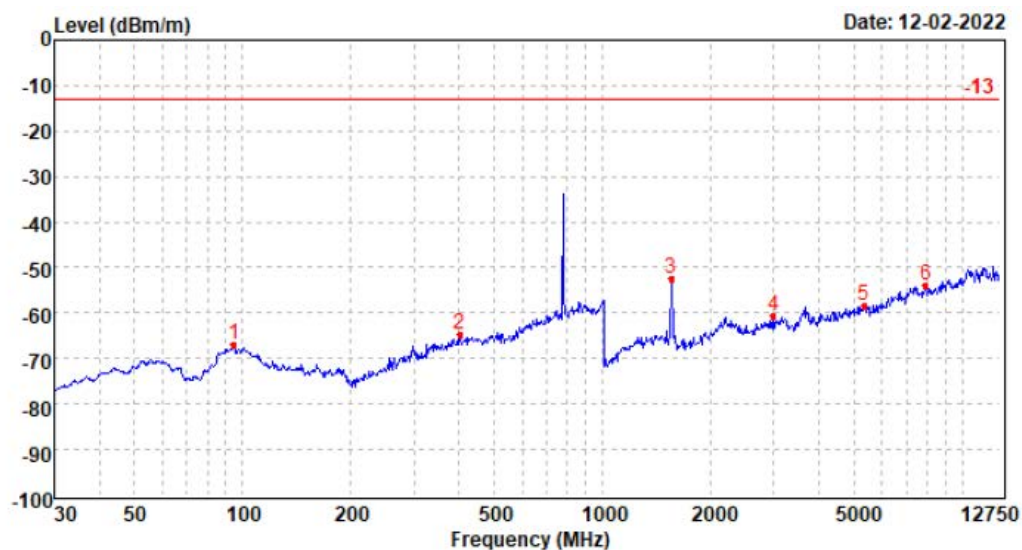
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	88.93	-95.20	25.42	1.42	0.00	-68.36	-13.00	-55.36	Peak
2	508.77	-94.86	26.05	3.63	0.00	-65.18	-13.00	-52.18	Peak
3	1557.25	-53.34	37.76	3.23	42.53	-54.88	-13.00	-41.88	Peak
4	2179.15	-64.34	41.39	3.77	42.30	-61.48	-13.00	-48.48	Peak
5	3681.47	-64.07	42.37	5.00	41.73	-58.43	-13.00	-45.43	Peak
6	7941.19	-69.10	47.89	7.51	40.39	-54.09	-13.00	-41.09	Peak

Test channel:	Mid	Polarization:	Horizontal
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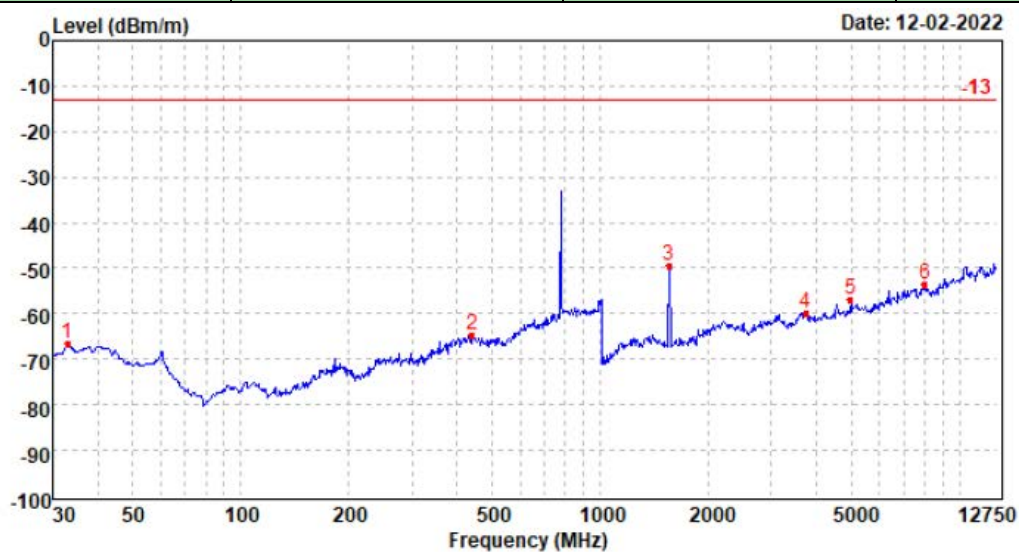
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	41.75	-94.50	26.96	0.93	0.00	-66.61	-13.00	-53.61	Peak
2	270.16	-94.32	22.83	2.53	0.00	-68.96	-13.00	-55.96	Peak
3	1557.25	-54.49	36.20	3.23	42.53	-57.59	-13.00	-44.59	Peak
4	3681.47	-64.53	42.31	5.00	41.73	-58.95	-13.00	-45.95	Peak
5	5895.77	-68.14	44.27	6.30	40.07	-57.64	-13.00	-44.64	Peak
6	9322.50	-70.59	49.72	7.98	39.40	-52.29	-13.00	-39.29	Peak

Test channel:	Mid	Polarization:	Vertical
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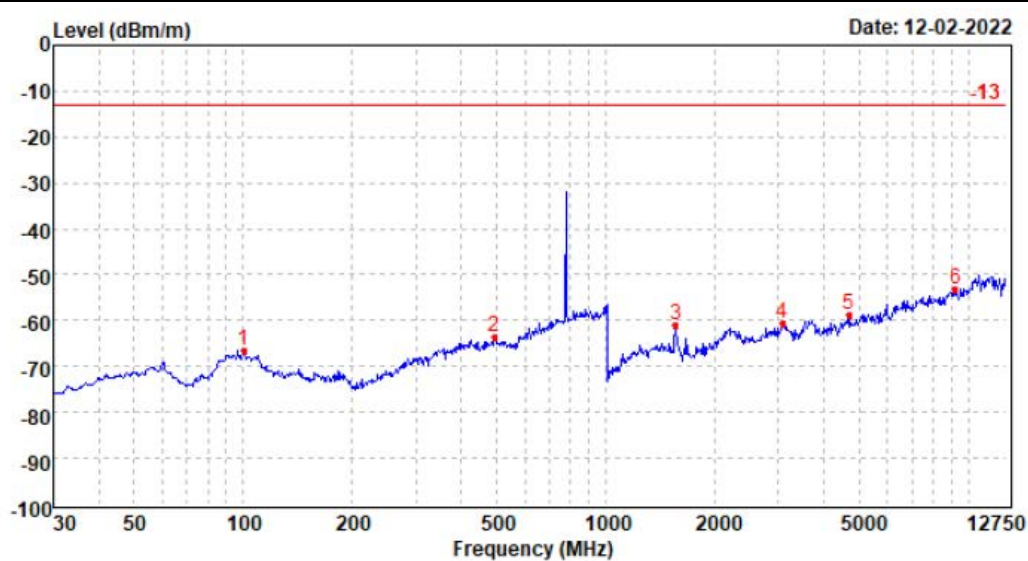
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	94.74	-94.18	25.82	1.46	0.00	-66.90	-13.00	-53.90	Peak
2	401.97	-93.20	25.26	3.14	0.00	-64.80	-13.00	-51.80	Peak
3	1557.25	-51.04	37.76	3.23	42.53	-52.58	-13.00	-39.58	Peak
4	3003.17	-64.04	41.03	4.46	41.95	-60.50	-13.00	-47.50	Peak
5	5352.19	-67.89	44.07	5.97	40.62	-58.47	-13.00	-45.47	Peak
6	7921.00	-68.95	47.98	7.50	40.45	-53.92	-13.00	-40.92	Peak

Test channel:	High	Polarization:	Horizontal
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Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-94.08	26.67	0.83	0.00	-66.58	-13.00	-53.58	Peak
2	440.46	-94.21	26.04	3.33	0.00	-64.84	-13.00	-51.84	Peak
3	1557.25	-46.21	36.20	3.23	42.53	-49.31	-13.00	-36.31	Peak
4	3747.66	-65.40	42.24	5.03	41.69	-59.82	-13.00	-46.82	Peak
5	4996.69	-66.11	44.35	5.74	40.90	-56.92	-13.00	-43.92	Peak
6	8042.90	-68.99	47.97	7.55	40.10	-53.57	-13.00	-40.57	Peak

Test channel:	High	Polarization:	Vertical
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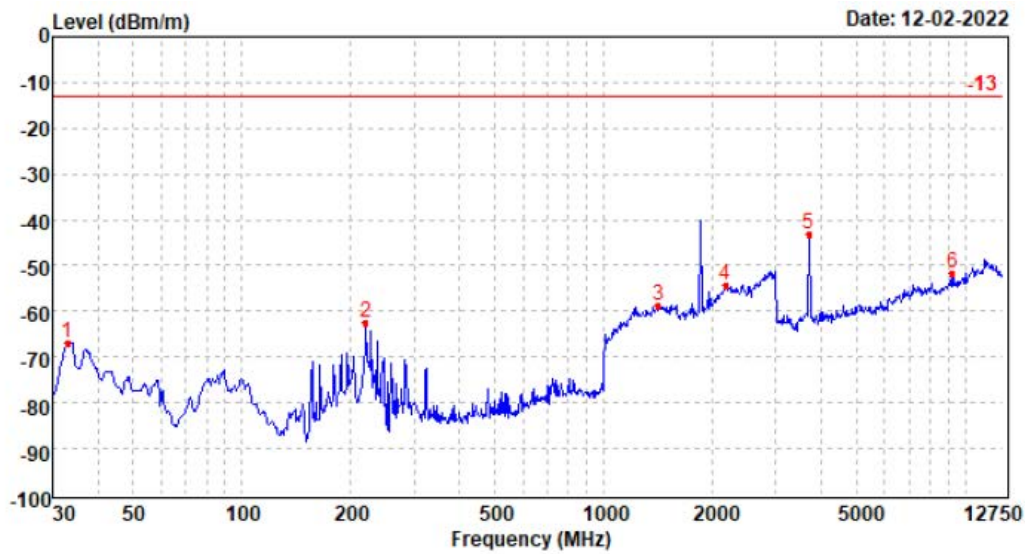


Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	100.57	-93.83	25.67	1.50	0.00	-66.66	-13.00	-53.66	Peak
2	494.65	-93.15	26.12	3.57	0.00	-63.46	-13.00	-50.46	Peak
3	1561.22	-59.58	37.76	3.23	42.53	-61.12	-13.00	-48.12	Peak
4	3072.77	-64.39	41.19	4.50	41.90	-60.60	-13.00	-47.60	Peak
5	4688.62	-66.69	43.56	5.53	41.07	-58.67	-13.00	-45.67	Peak
6	9251.58	-71.40	49.76	7.94	39.46	-53.16	-13.00	-40.16	Peak



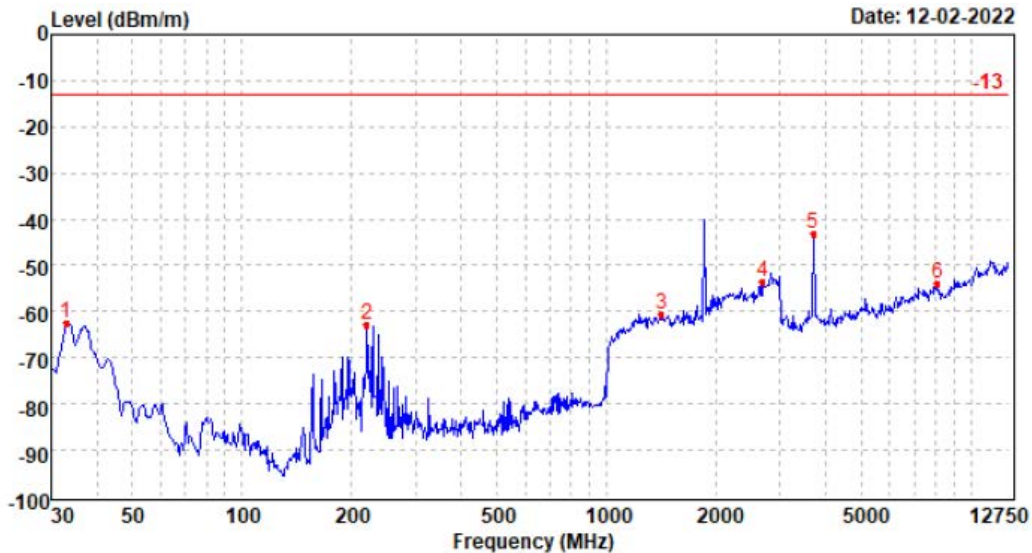
## LTE Band25

Test channel: Low Polarization: Horizontal



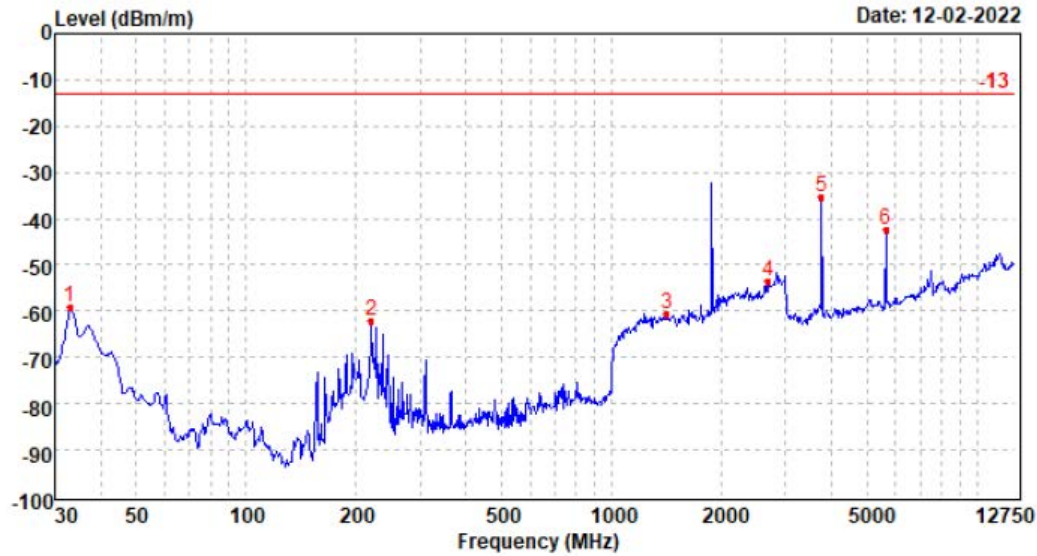
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-55.56	18.92	0.83	30.92	-66.73	-13.00	-53.73	Peak
2	220.31	-52.96	18.80	2.25	30.51	-62.42	-13.00	-49.42	Peak
3	1416.60	-73.54	37.76	6.53	29.44	-58.69	-13.00	-45.69	Peak
4	2176.72	-74.65	41.35	8.41	29.38	-54.27	-13.00	-41.27	Peak
5	3709.69	-48.60	42.29	5.02	41.71	-43.00	-13.00	-30.00	Peak
6	9251.58	-69.88	49.76	7.94	39.46	-51.64	-13.00	-38.64	Peak

Test channel: Low Polarization: Vertical



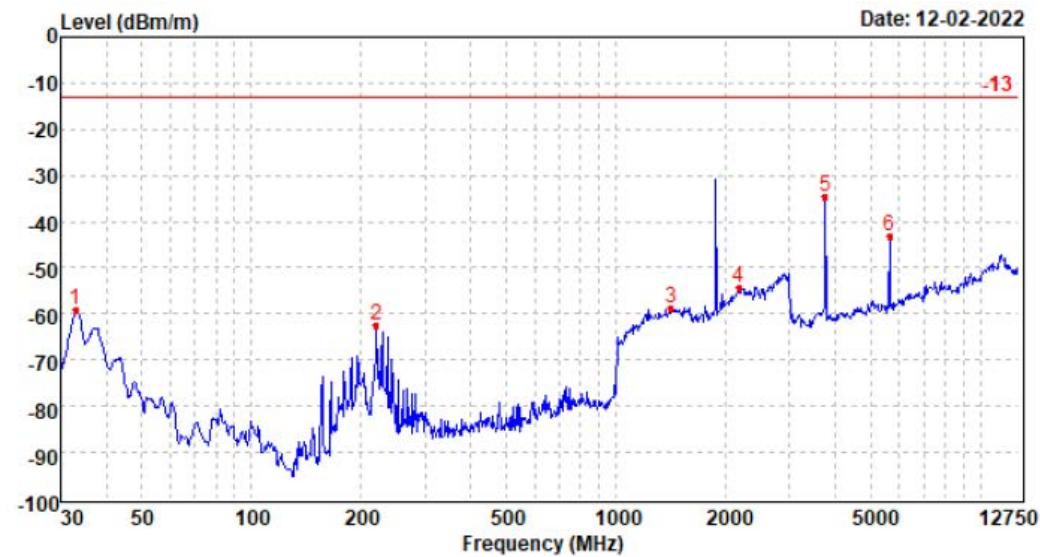
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamplifier dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-58.97	26.67	0.83	30.92	-62.39	-13.00	-49.39	Peak
2	220.31	-54.14	19.41	2.25	30.51	-62.99	-13.00	-49.99	Peak
3	1421.28	-74.63	37.02	6.57	29.41	-60.45	-13.00	-47.45	Peak
4	2693.79	-77.42	39.70	10.64	26.42	-53.50	-13.00	-40.50	Peak
5	3709.69	-48.79	42.28	5.02	41.71	-43.20	-13.00	-30.20	Peak
6	8104.56	-69.44	47.75	7.58	39.93	-54.04	-13.00	-41.04	Peak

Test channel:	Mid	Polarization:	Horizontal
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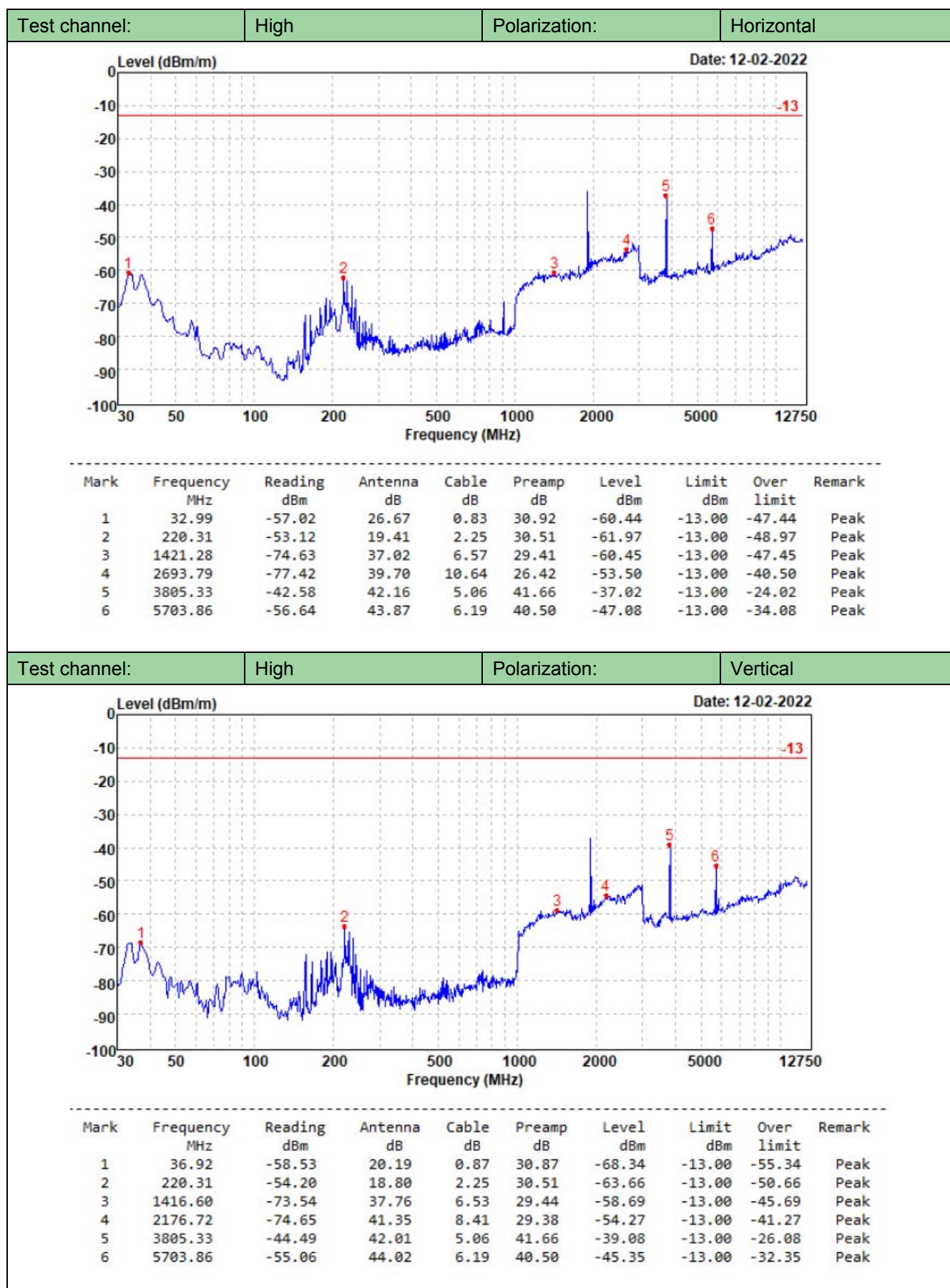
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-55.82	26.67	0.83	30.92	-59.24	-13.00	-46.24	Peak
2	220.31	-53.40	19.41	2.25	30.51	-62.25	-13.00	-49.25	Peak
3	1421.28	-74.63	37.02	6.57	29.41	-60.45	-13.00	-47.45	Peak
4	2693.79	-77.42	39.70	10.64	26.42	-53.50	-13.00	-40.50	Peak
5	3757.21	-41.05	42.23	5.04	41.69	-35.47	-13.00	-22.47	Peak
6	5631.73	-51.68	43.77	6.15	40.50	-42.26	-13.00	-29.26	Peak

Test channel:	Mid	Polarization:	Vertical
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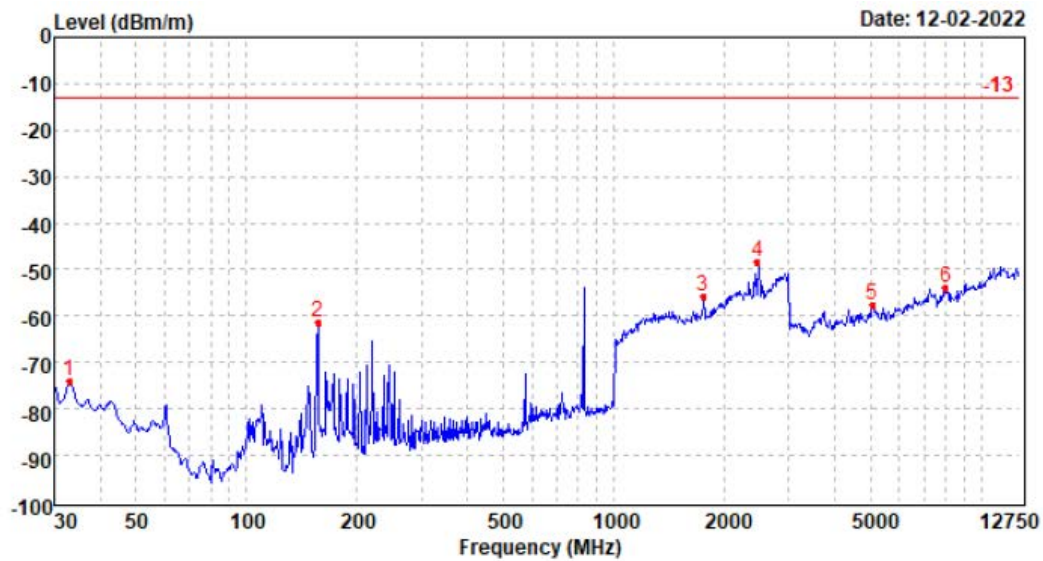
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-47.84	18.92	0.83	30.92	-59.01	-13.00	-46.01	Peak
2	220.31	-52.97	18.80	2.25	30.51	-62.43	-13.00	-49.43	Peak
3	1416.60	-73.54	37.76	6.53	29.44	-58.69	-13.00	-45.69	Peak
4	2176.72	-74.65	41.35	8.41	29.38	-54.27	-13.00	-41.27	Peak
5	3757.21	-40.24	42.15	5.04	41.69	-34.74	-13.00	-21.74	Peak
6	5631.73	-52.64	43.94	6.15	40.50	-43.05	-13.00	-30.05	Peak





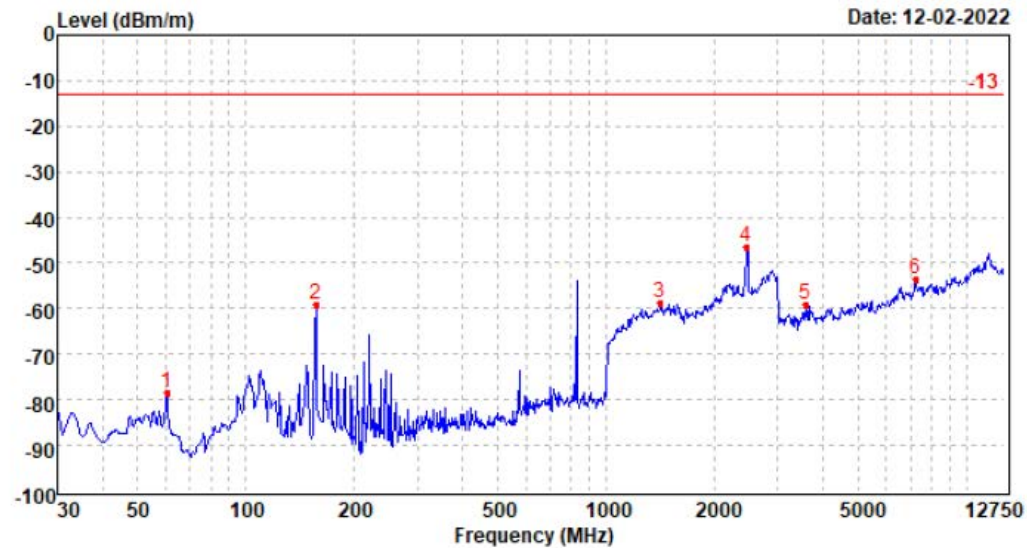
## LTE Band26

Test channel: Low Polarization: Horizontal



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-70.41	26.67	0.83	30.92	-73.83	-13.00	-60.83	Peak
2	156.64	-51.49	18.84	1.86	30.63	-61.42	-13.00	-48.42	Peak
3	1753.11	-69.95	36.55	7.31	29.51	-55.60	-13.00	-42.60	Peak
4	2464.43	-68.67	39.47	9.12	28.11	-48.19	-13.00	-35.19	Peak
5	5060.69	-66.82	44.23	5.79	40.85	-57.65	-13.00	-44.65	Peak
6	8042.90	-69.33	47.97	7.55	40.10	-53.91	-13.00	-40.91	Peak

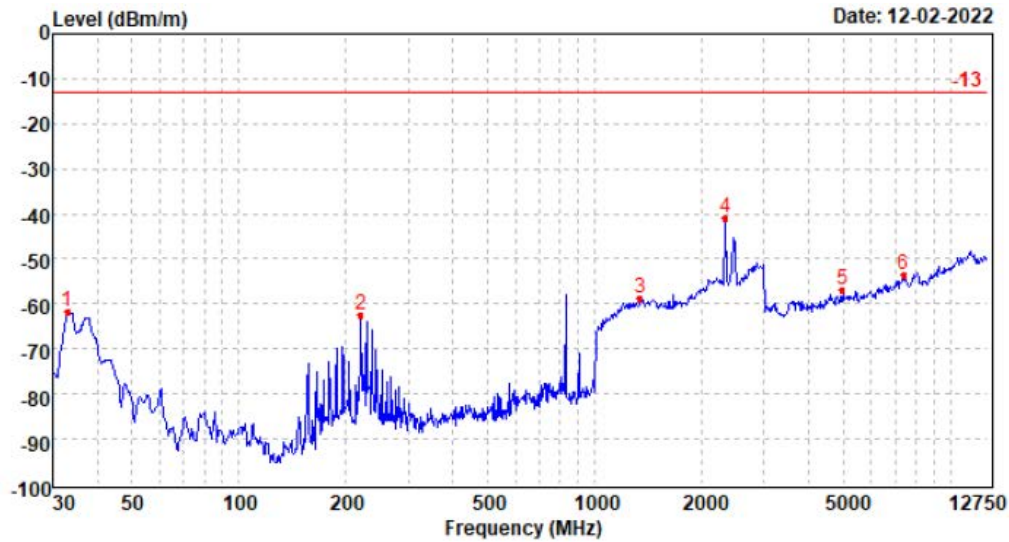
Test channel: Low Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	60.40	-72.28	23.58	1.13	31.03	-78.60	-13.00	-65.60	Peak
2	156.64	-51.37	20.89	1.86	30.63	-59.25	-13.00	-46.25	Peak
3	1413.49	-73.72	37.76	6.51	29.47	-58.92	-13.00	-45.92	Peak
4	2459.02	-66.55	39.27	9.07	28.14	-46.35	-13.00	-33.35	Peak
5	3579.82	-64.30	42.32	4.83	41.79	-58.94	-13.00	-45.94	Peak
6	7227.39	-68.17	48.63	7.12	41.05	-53.47	-13.00	-40.47	Peak

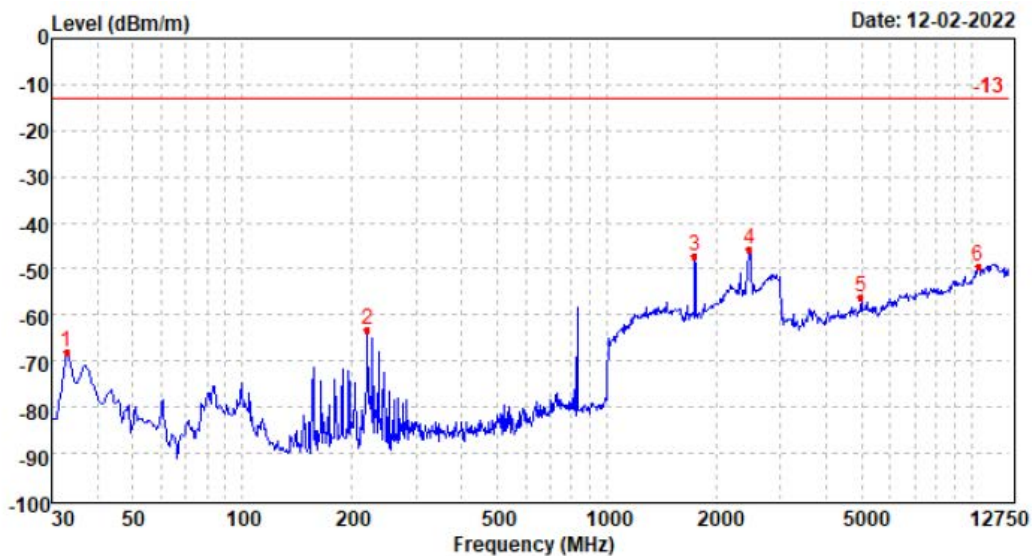


Test channel:	Mid	Polarization:	Horizontal
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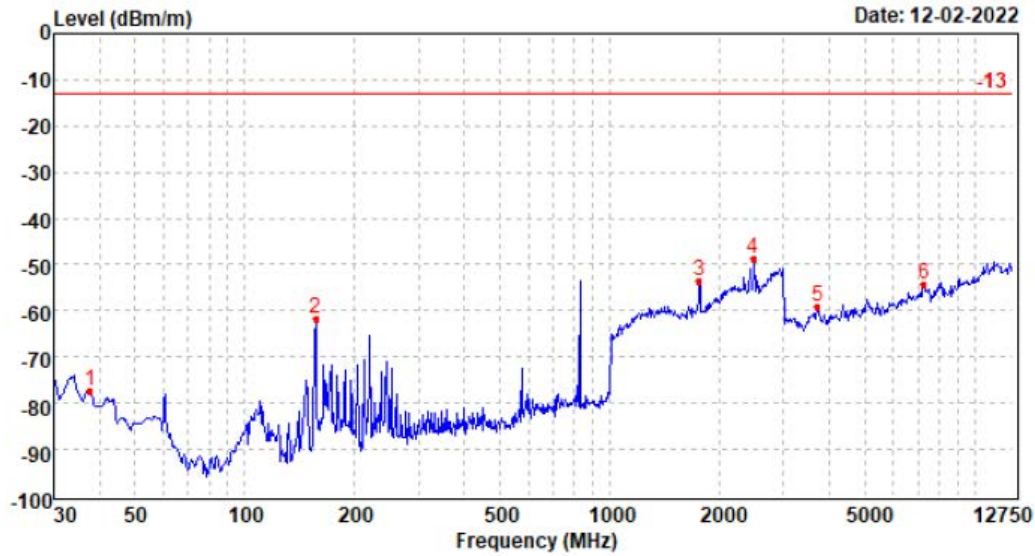
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-58.33	26.67	0.83	30.92	-61.75	-13.00	-48.75	Peak
2	220.31	-53.47	19.41	2.25	30.51	-62.32	-13.00	-49.32	Peak
3	1345.31	-72.49	37.05	6.19	29.41	-58.66	-13.00	-45.66	Peak
4	2335.27	-61.15	40.18	8.91	28.95	-41.01	-13.00	-28.01	Peak
5	4996.69	-66.19	44.35	5.74	40.90	-57.00	-13.00	-44.00	Peak
6	7413.73	-68.12	48.49	7.23	40.99	-53.39	-13.00	-40.39	Peak

Test channel:	Mid	Polarization:	Vertical
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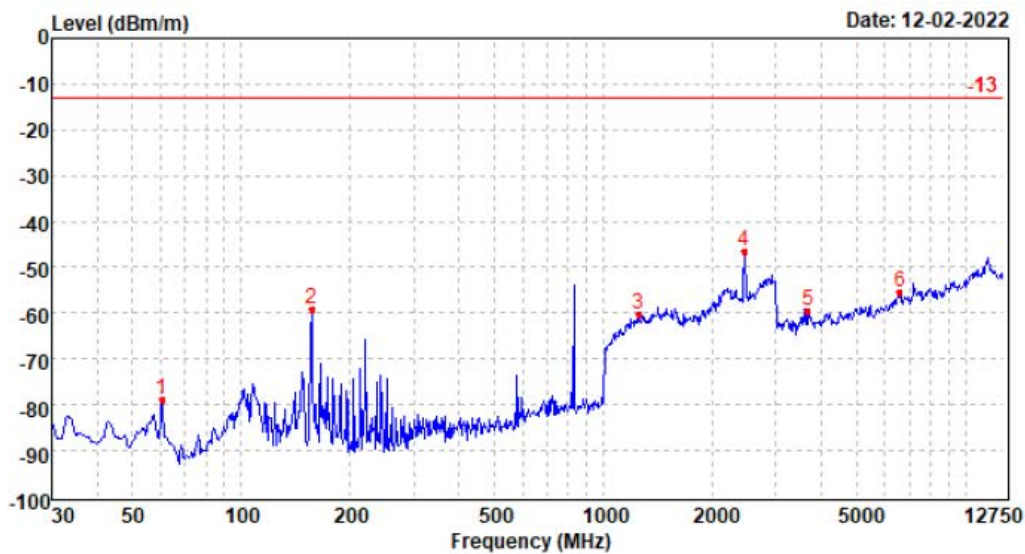
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	32.99	-56.72	18.92	0.83	30.92	-67.89	-13.00	-54.89	Peak
2	220.31	-53.80	18.80	2.25	30.51	-63.26	-13.00	-50.26	Peak
3	1739.68	-61.21	36.33	7.28	29.44	-47.04	-13.00	-34.04	Peak
4	2461.72	-65.78	39.27	9.09	28.12	-45.54	-13.00	-32.54	Peak
5	4996.69	-65.55	44.50	5.74	40.90	-56.21	-13.00	-43.21	Peak
6	10480.59	-70.43	52.25	8.52	39.76	-49.42	-13.00	-36.42	Peak

Test channel: High Polarization: Horizontal



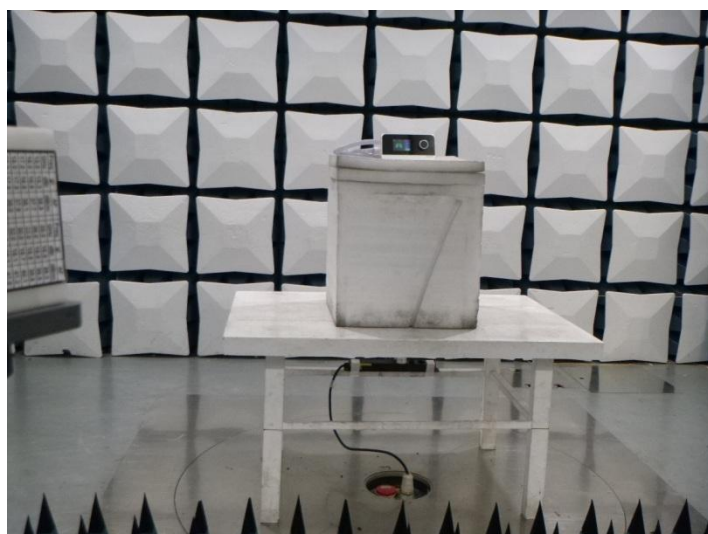
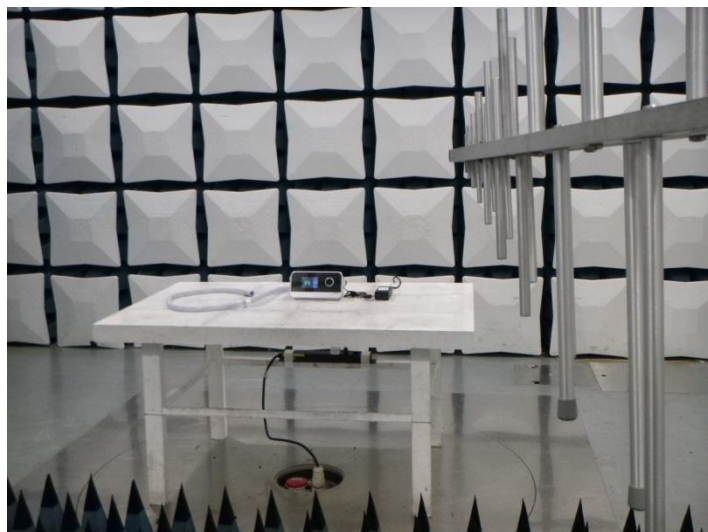
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	37.84	-74.64	27.46	0.88	30.86	-77.16	-13.00	-64.16	Peak
2	156.64	-51.60	18.84	1.86	30.63	-61.53	-13.00	-48.53	Peak
3	1764.70	-67.76	36.59	7.36	29.54	-53.35	-13.00	-40.35	Peak
4	2480.73	-69.47	39.38	9.25	28.01	-48.85	-13.00	-35.85	Peak
5	3719.15	-64.86	42.27	5.02	41.71	-59.28	-13.00	-46.28	Peak
6	7264.28	-68.62	48.08	7.14	41.04	-54.44	-13.00	-41.44	Peak

Test channel: High Polarization: Vertical



Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	60.40	-72.35	23.58	1.13	31.03	-78.67	-13.00	-65.67	Peak
2	156.64	-51.39	20.89	1.86	30.63	-59.27	-13.00	-46.27	Peak
3	1253.97	-73.72	37.10	6.01	29.72	-60.33	-13.00	-47.33	Peak
4	2459.02	-66.55	39.27	9.07	28.14	-46.35	-13.00	-33.35	Peak
5	3672.11	-65.08	42.40	5.00	41.73	-59.41	-13.00	-46.41	Peak
6	6594.52	-68.13	46.88	6.85	40.90	-55.30	-13.00	-42.30	Peak

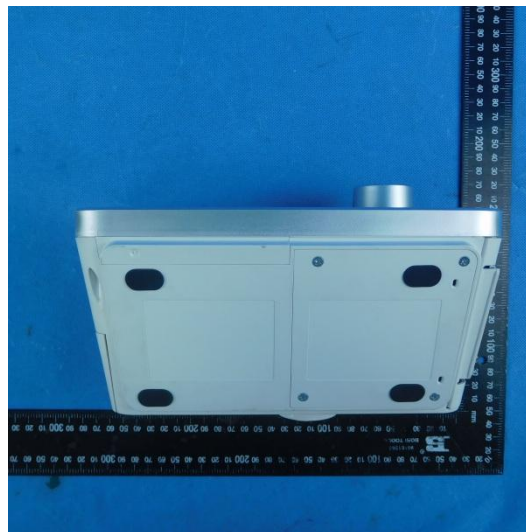
## 6. TEST SETUP PHOTOS OF THE EUT





## 7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

### External Photos

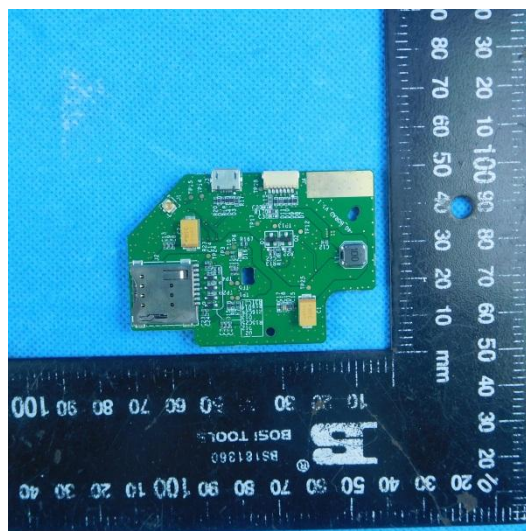


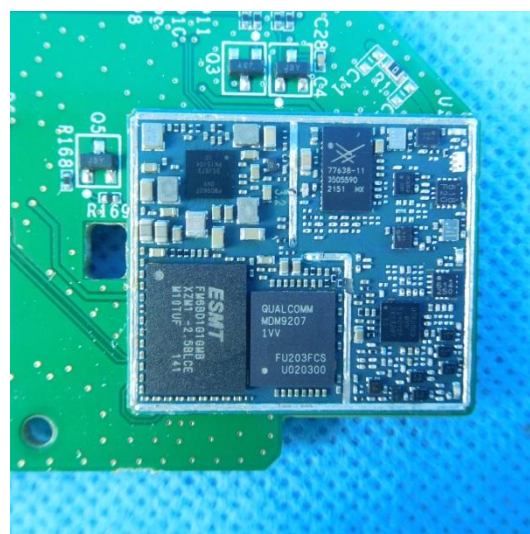
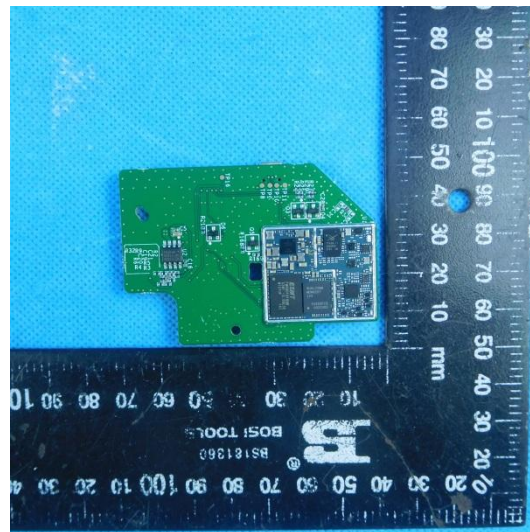
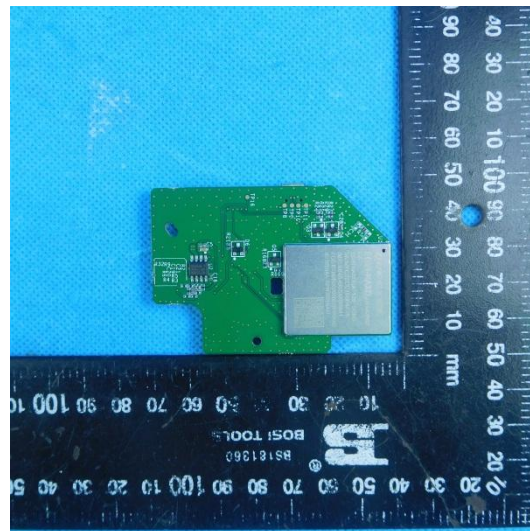




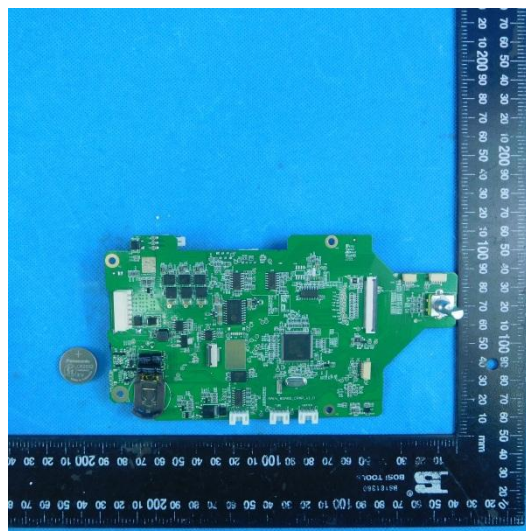
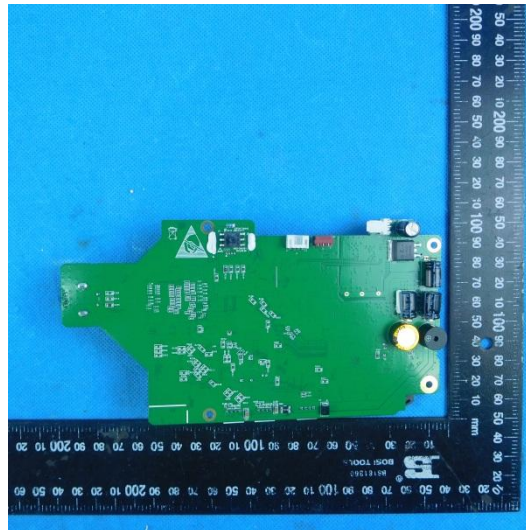
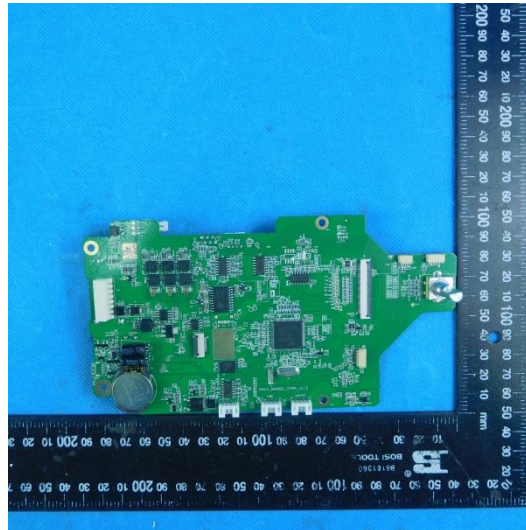


### Internal Photos









## 8. APPENDIX REPORT