



Test channel:	Highest
---------------	---------

Peak value:

Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	56.91	-7.47	49.44	74.00	-24.56	Vertical
7440.00	58.27	-2.45	55.82	74.00	-18.18	Vertical
9920.00	59.18	-2.37	56.81	74.00	-17.19	Vertical
12400.00	*			74.00		Vertical
14880.00	*			74.00		Vertical
4960.00	59.51	-7.47	52.04	74.00	-21.96	Horizontal
7440.00	57.62	-2.45	55.17	74.00	-18.83	Horizontal
9920.00	59.46	-2.37	57.09	74.00	-16.91	Horizontal
12400.00	*			74.00		Horizontal
14880.00	*			74.00		Horizontal

Average value:

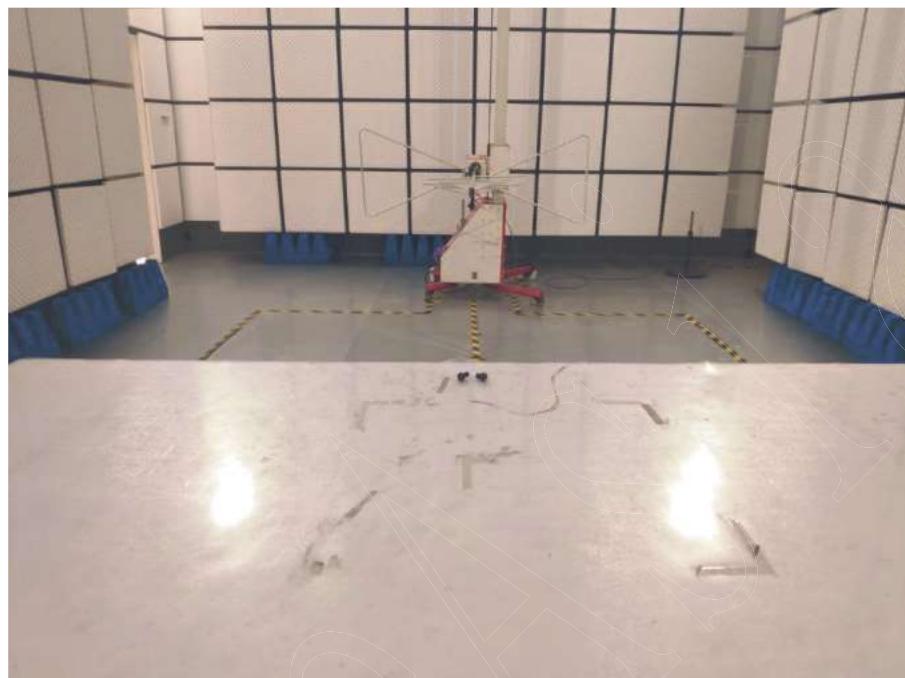
Frequency (MHz)	Read Level (dBuV)	Correct factor (dB/m)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Polarization
4960.00	45.92	-7.47	38.45	54.00	-15.55	Vertical
7440.00	44.25	-2.45	41.80	54.00	-12.20	Vertical
9920.00	46.91	-2.37	44.54	54.00	-9.46	Vertical
12400.00	*			54.00		Vertical
14880.00	*			54.00		Vertical
4960.00	46.78	-7.47	39.31	54.00	-14.69	Horizontal
7440.00	47.51	-2.45	45.06	54.00	-8.94	Horizontal
9920.00	43.99	-2.37	41.62	54.00	-12.38	Horizontal
12400.00	*			54.00		Horizontal
14880.00	*			54.00		Horizontal

Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. ***, means this data is the too weak instrument of signal is unable to test.
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

8 Test Setup Photo

Radiated Emission





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Conducted Emission



BlueAsia

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia,

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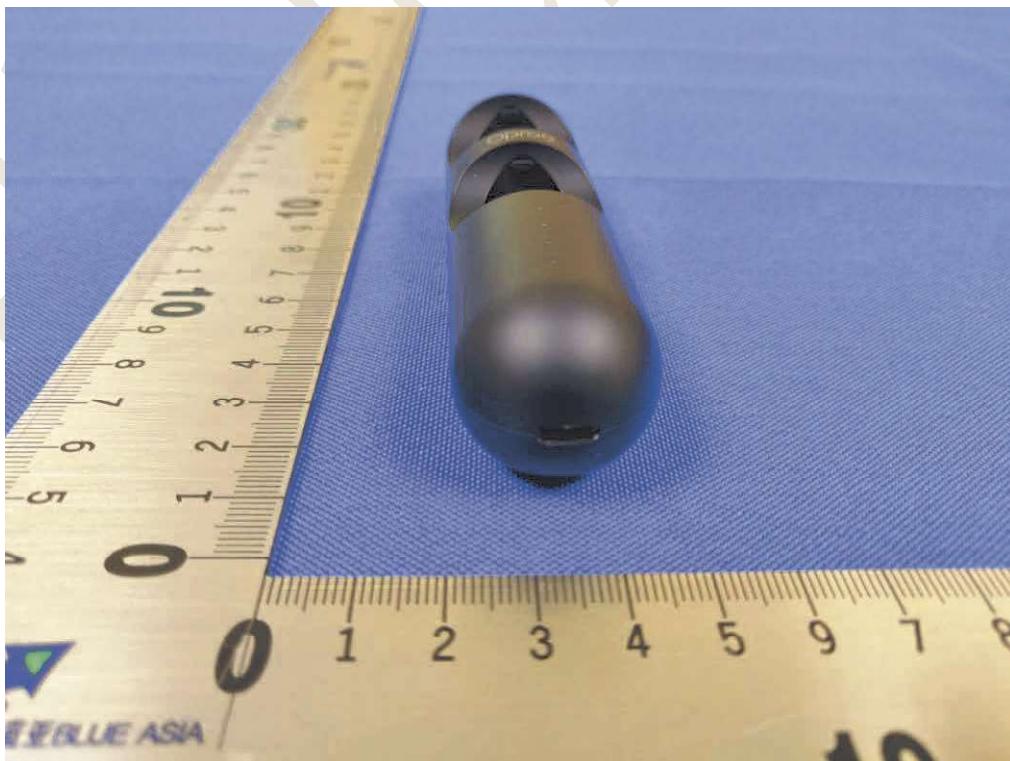


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9 EUT Constructional Details



Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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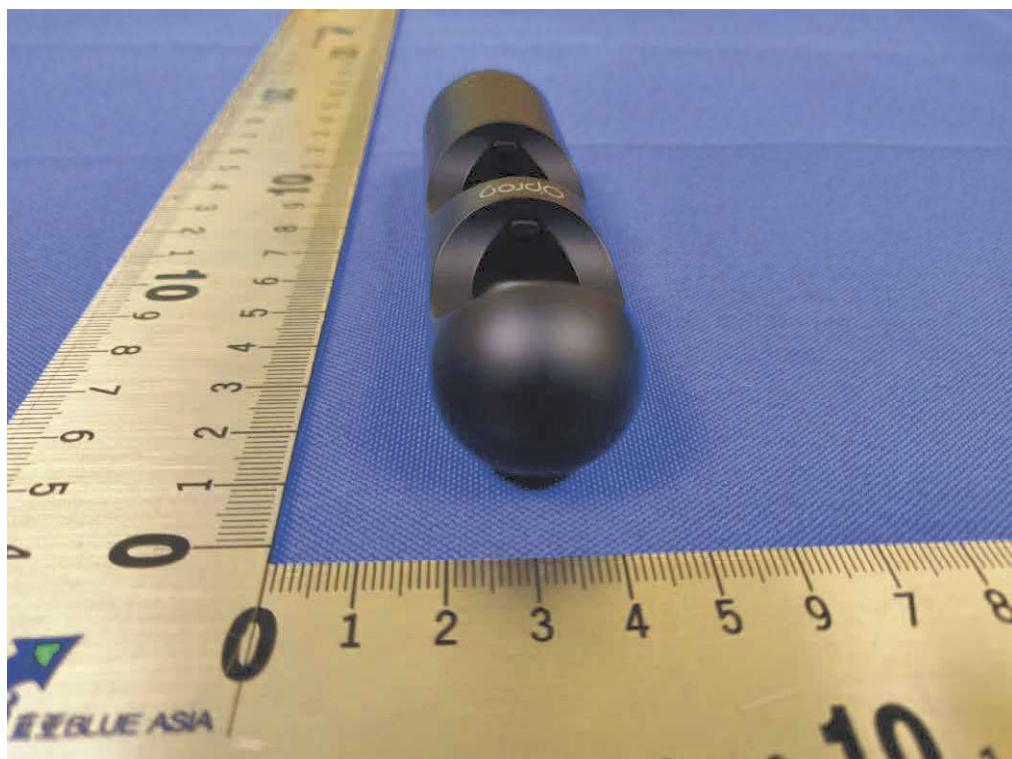
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

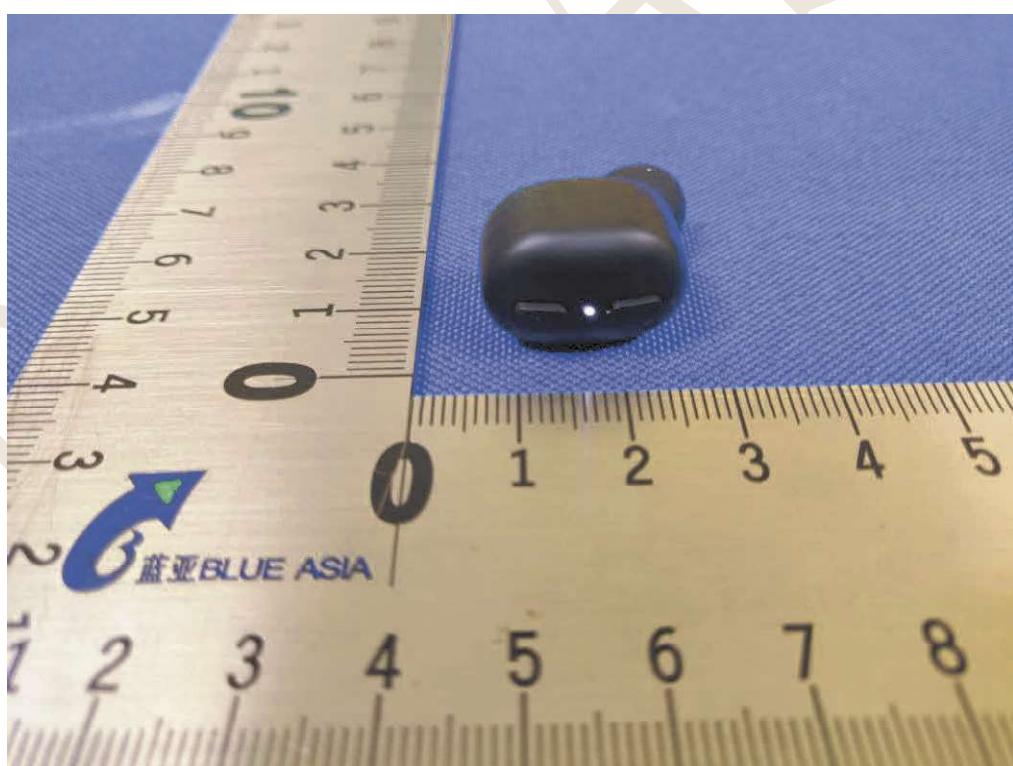
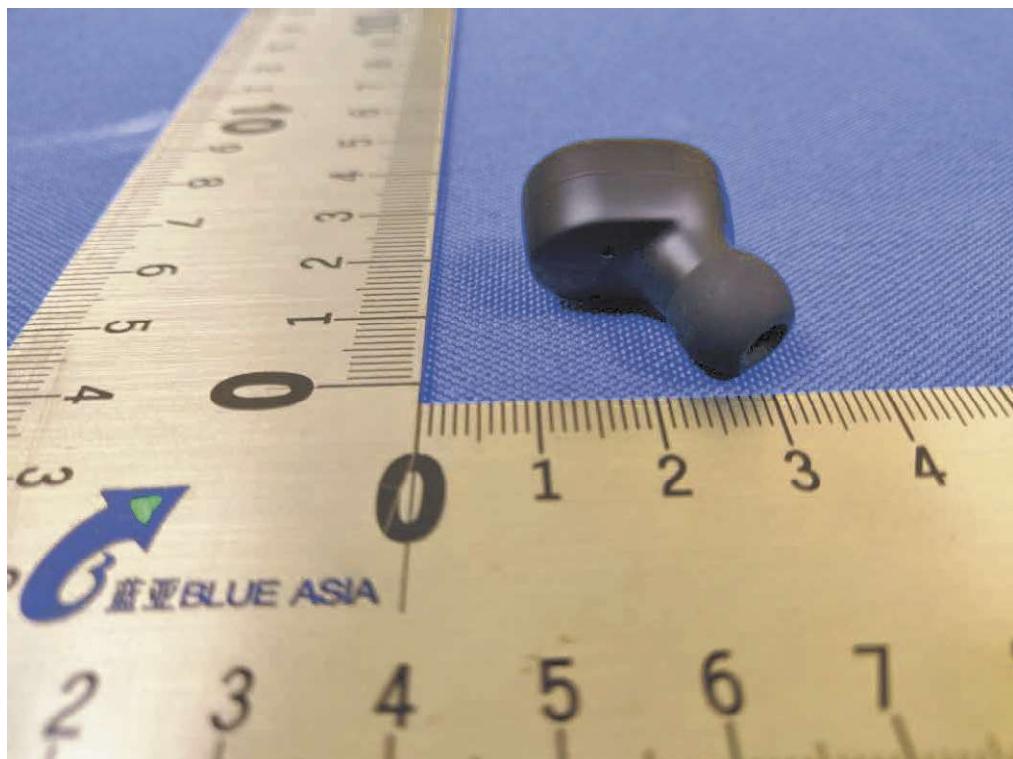
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia,

No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

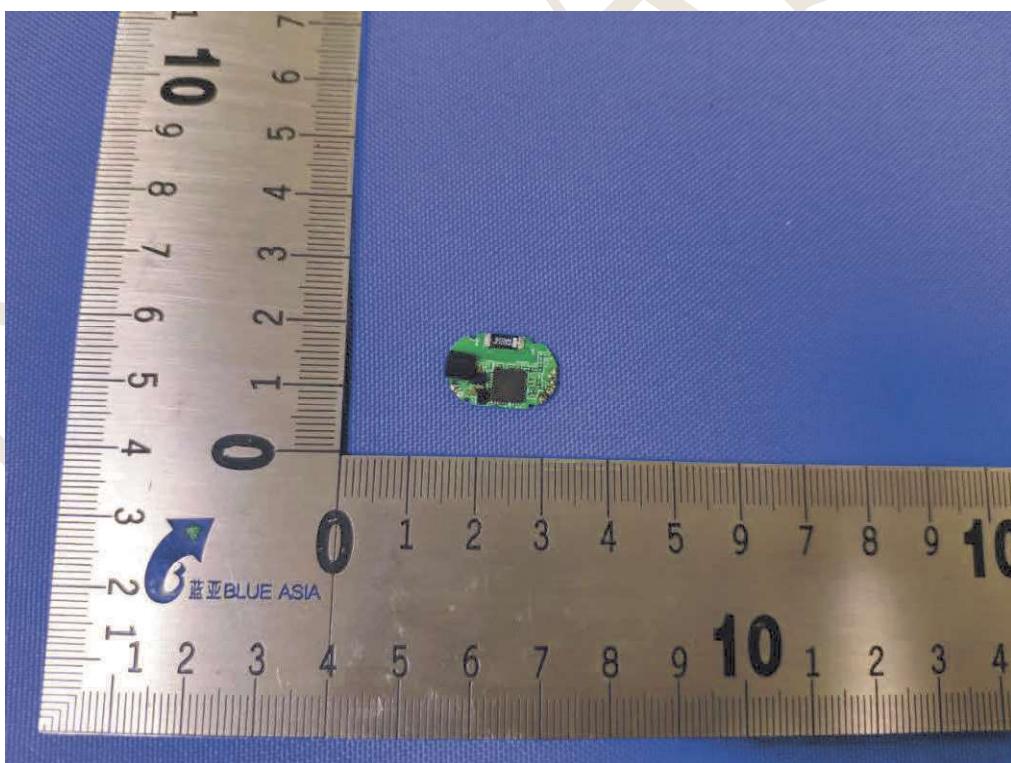
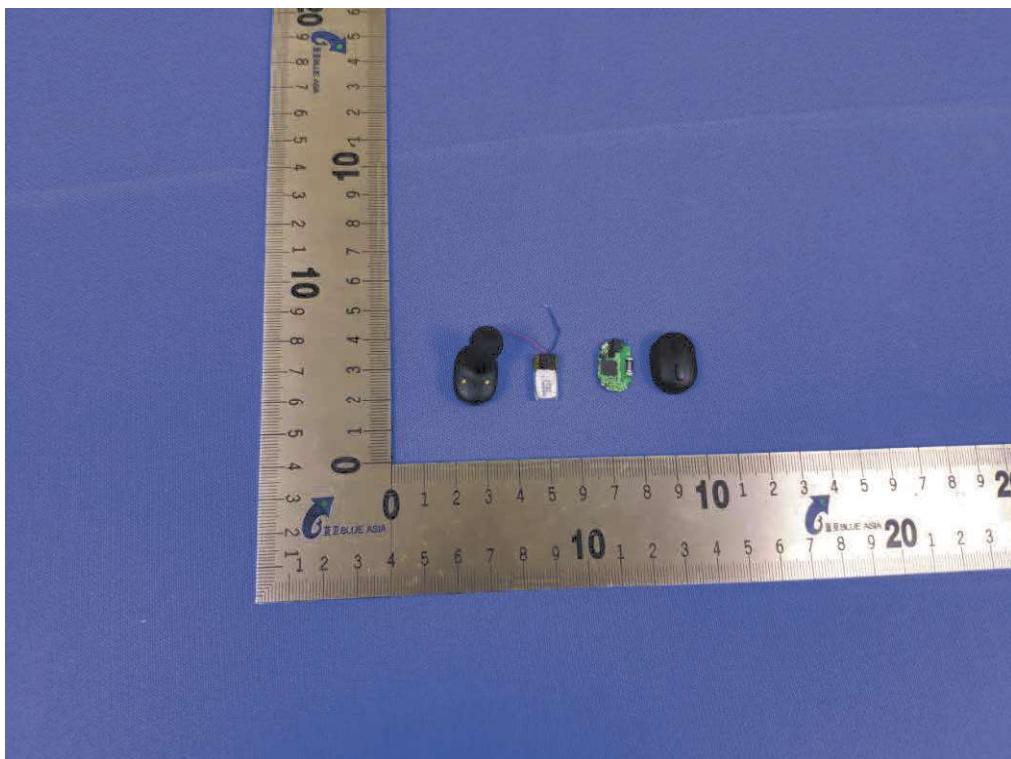
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

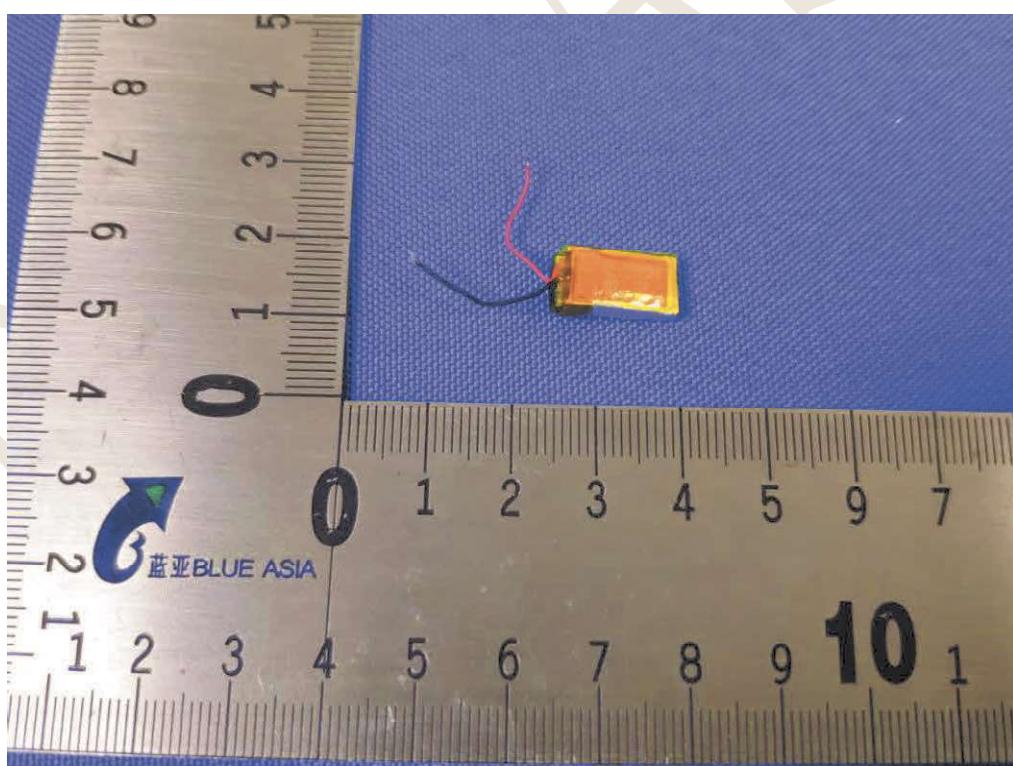
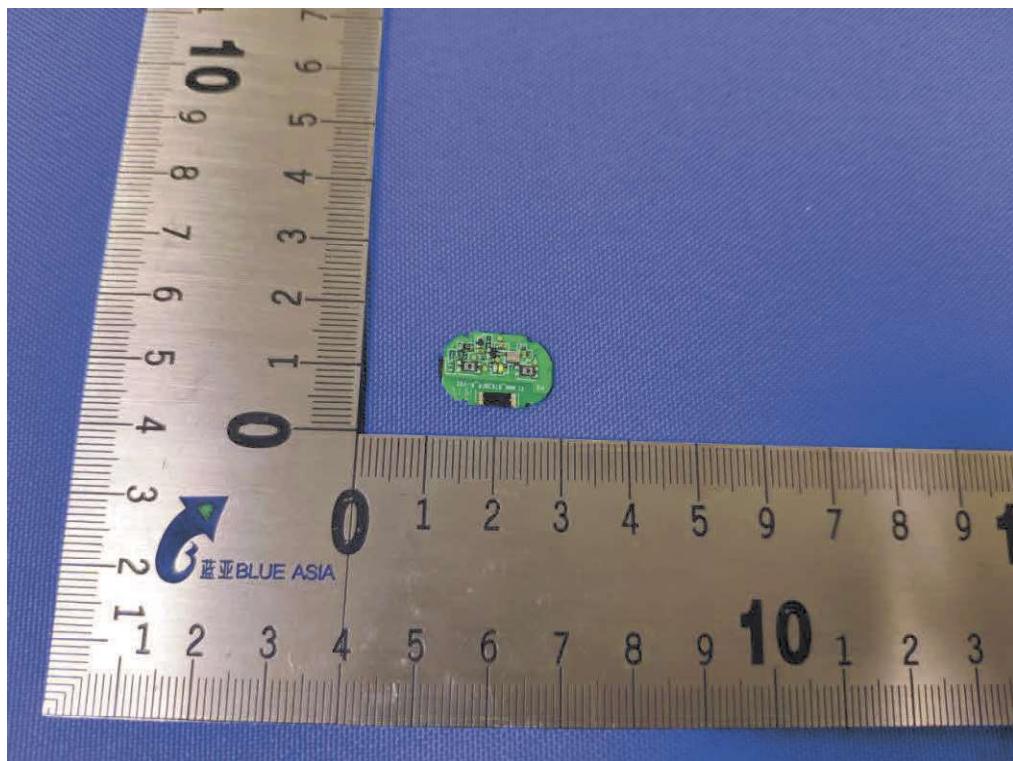
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia,

No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

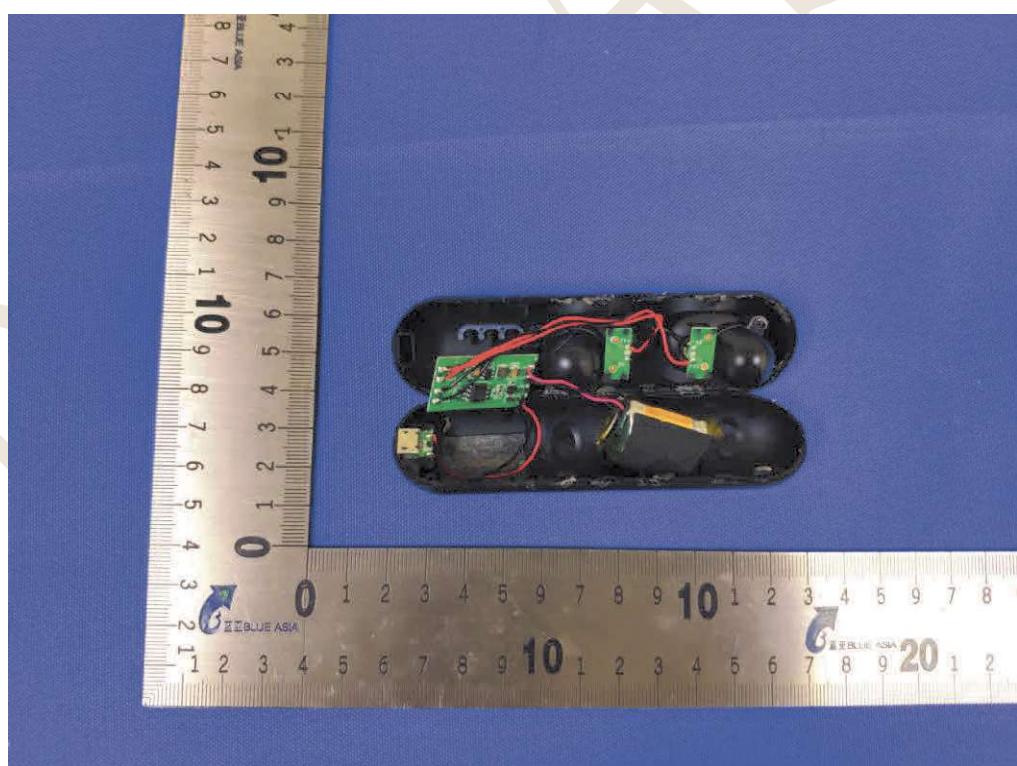
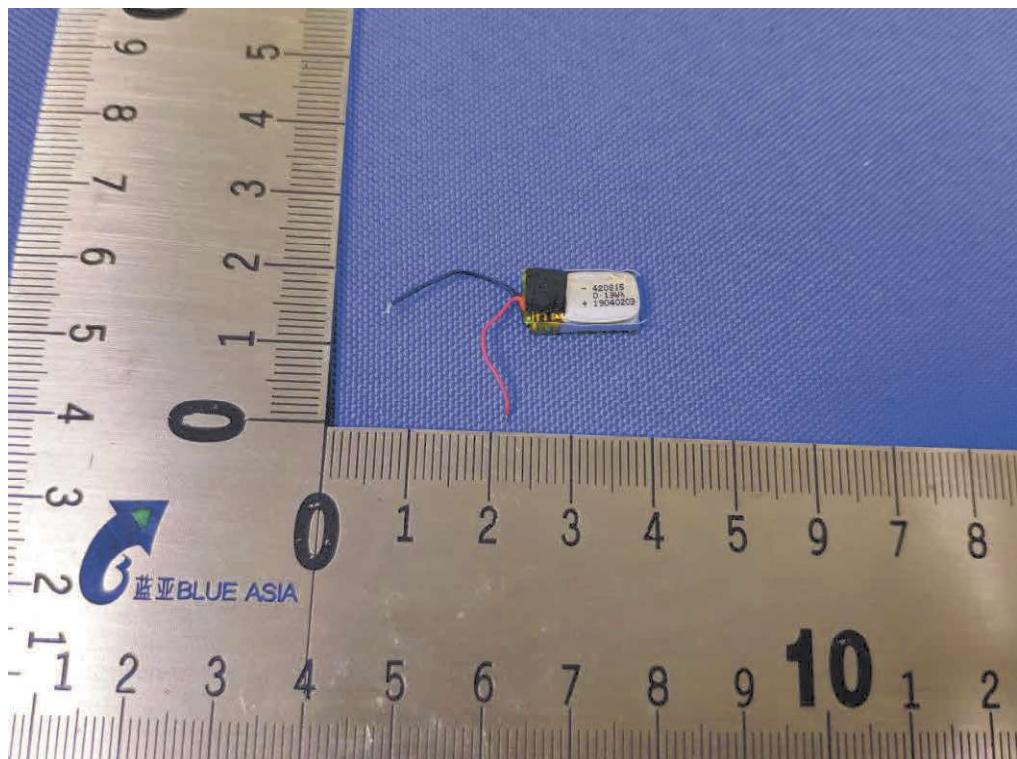
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia,

No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

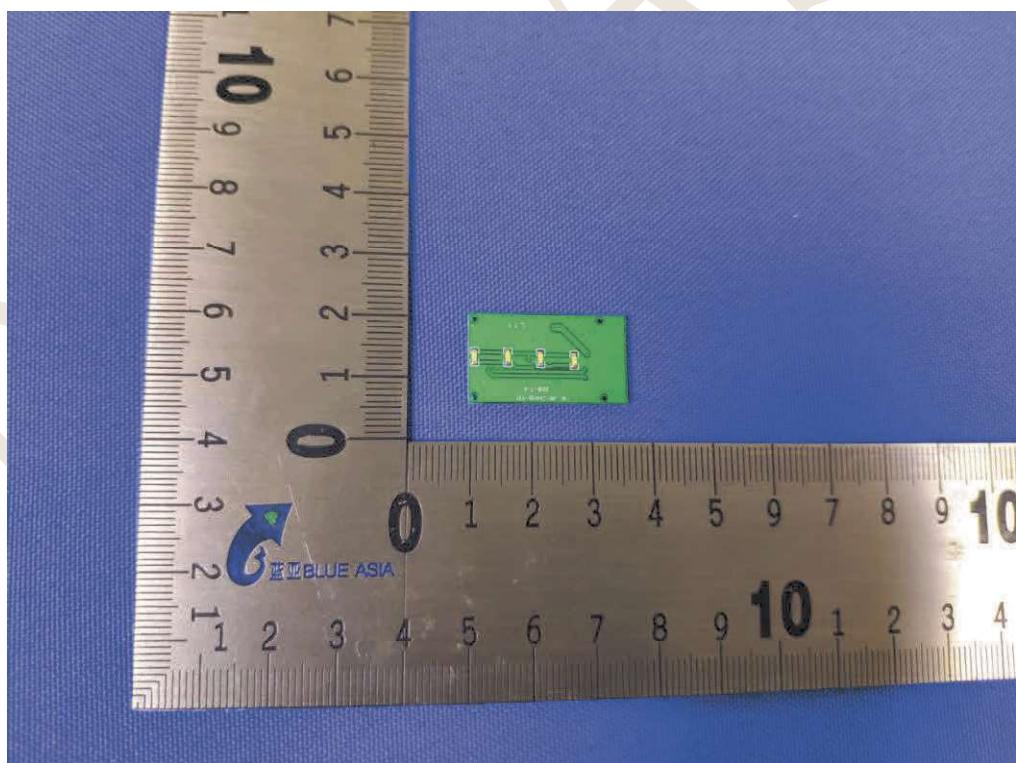
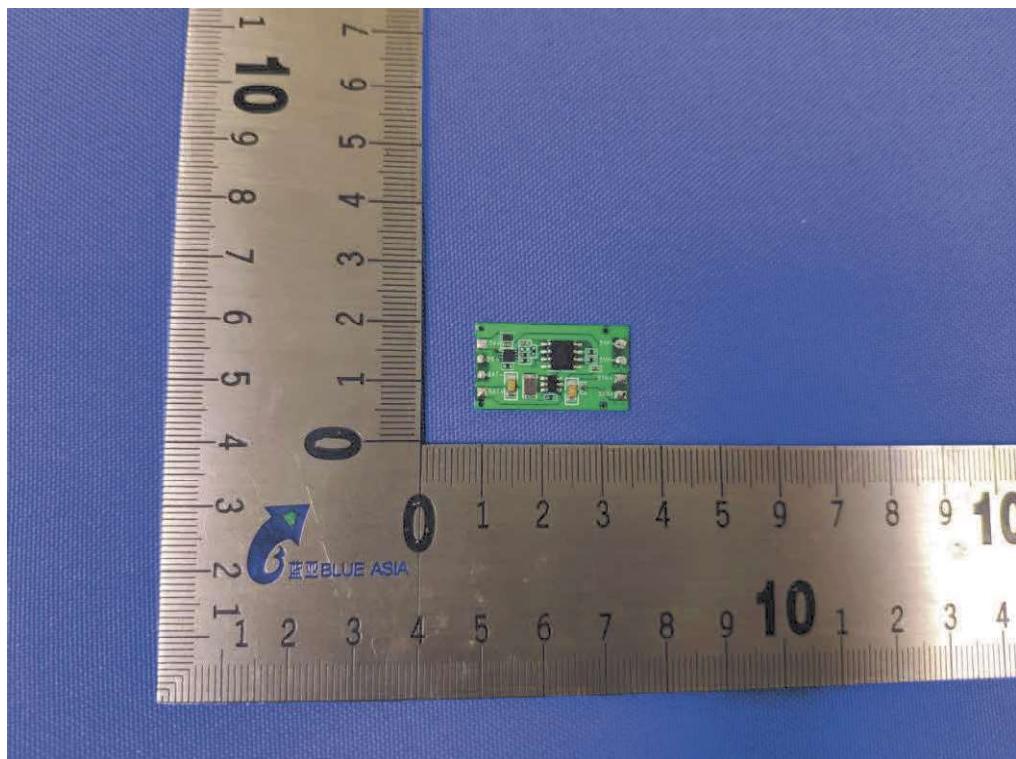
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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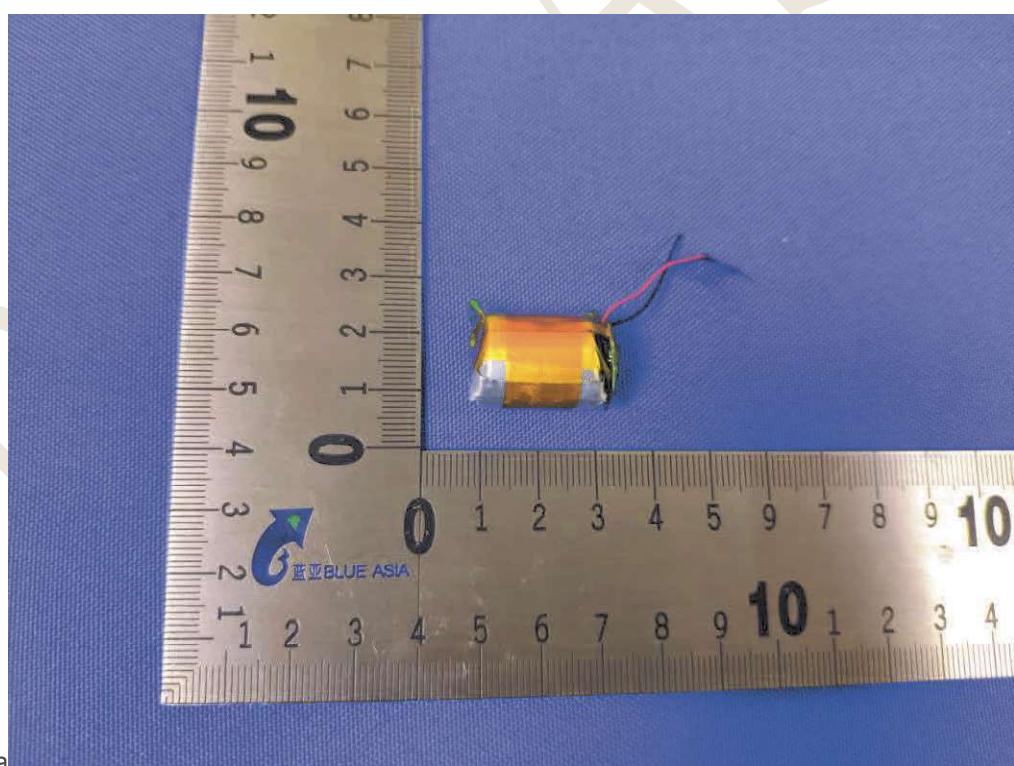
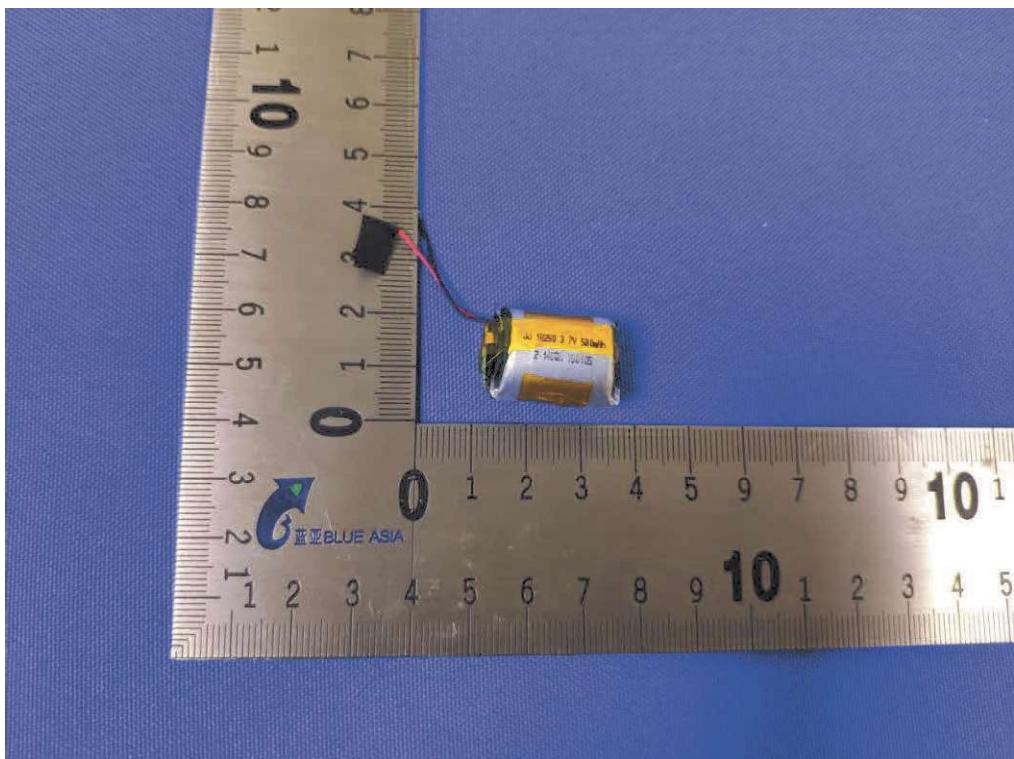
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673



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10 Appendix

Refer to the following attachments.

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

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*** End of Report ***

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of BlueAsia, this report can't be reproduced except in full.

BlueAsia

Qianhai BlueAsia of Technical Services(Shenzhen) Co., Ltd.

IOT Test Centre of BlueAsia,

No. 448 Bulong Road, Bantian Street, Longgang District, Shenzhen, China

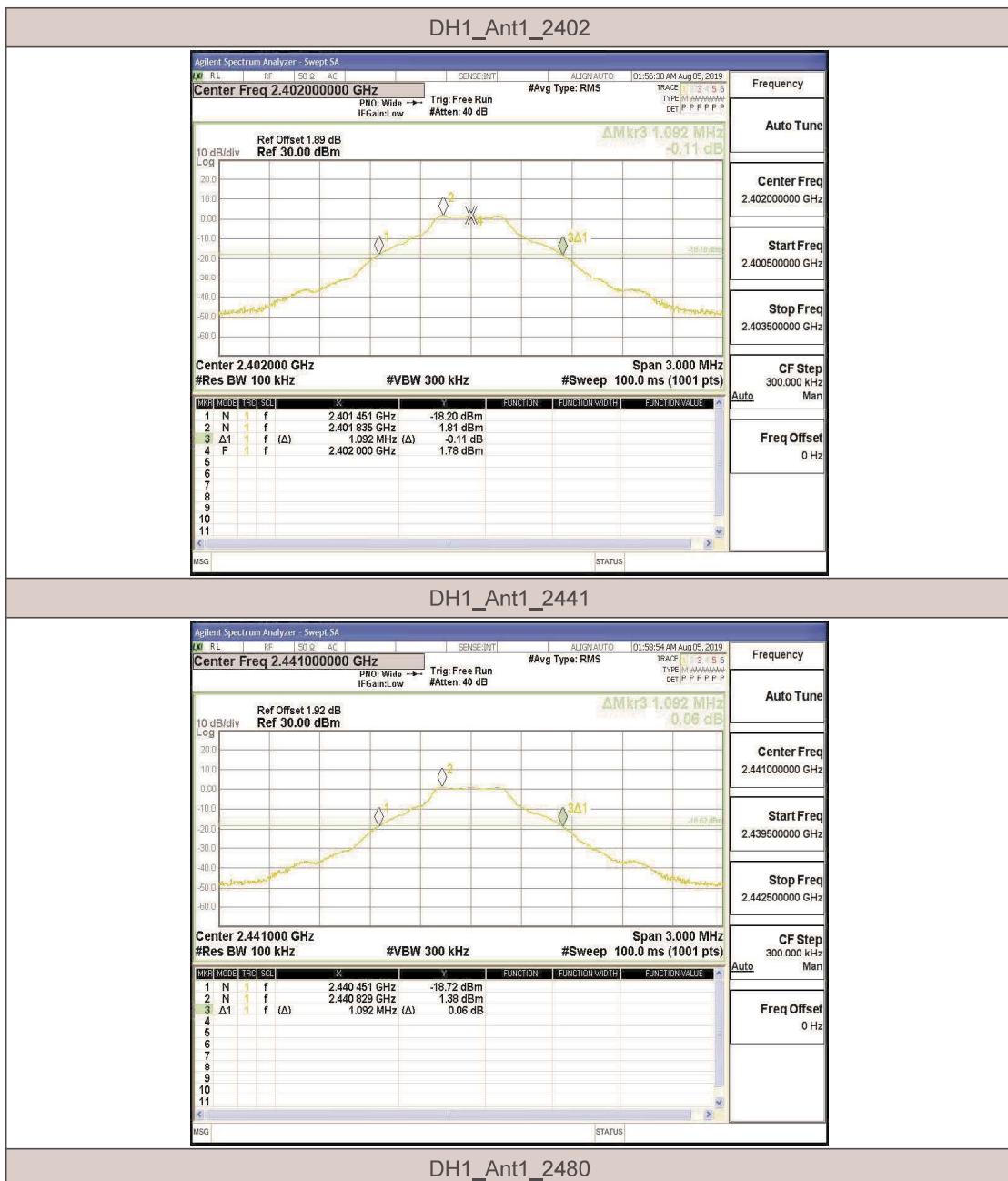
Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

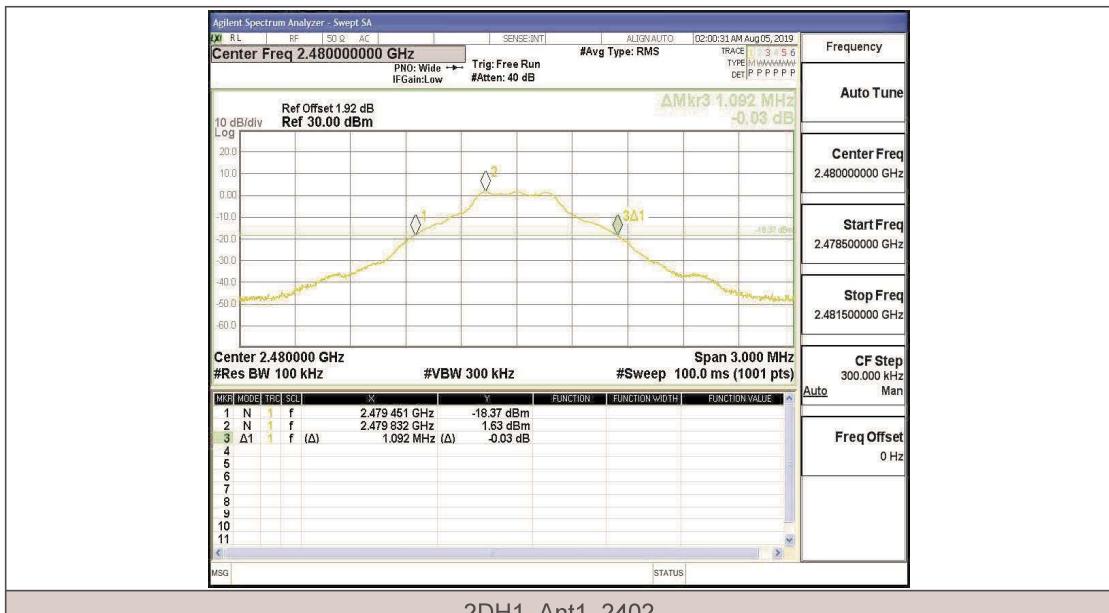
Appendix A: 20dB Emission Bandwidth

Test Result

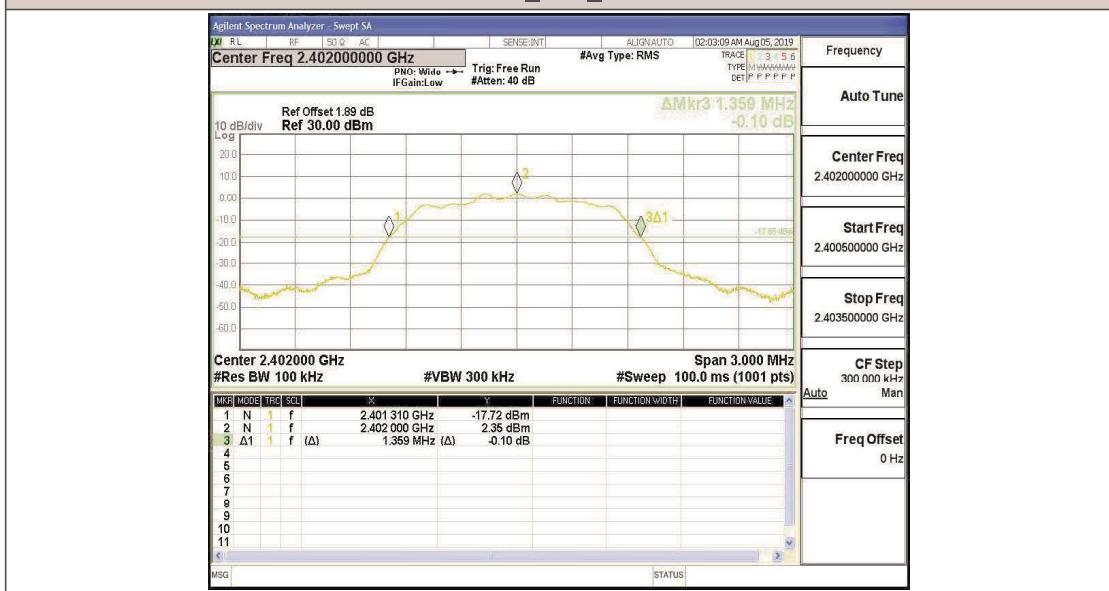
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	1.092	2401.451	2402.543	---	PASS
		2441	1.092	2440.451	2441.543	---	PASS
		2480	1.092	2479.451	2480.543	---	PASS
2DH1	Ant1	2402	1.359	2401.310	2402.669	---	PASS
		2441	1.356	2440.310	2441.666	---	PASS
		2480	1.356	2479.310	2480.666	---	PASS
3DH1	Ant1	2402	1.329	2401.337	2402.666	---	PASS
		2441	1.332	2440.334	2441.666	---	PASS
		2480	1.329	2479.337	2480.666	---	PASS

Test Graphs

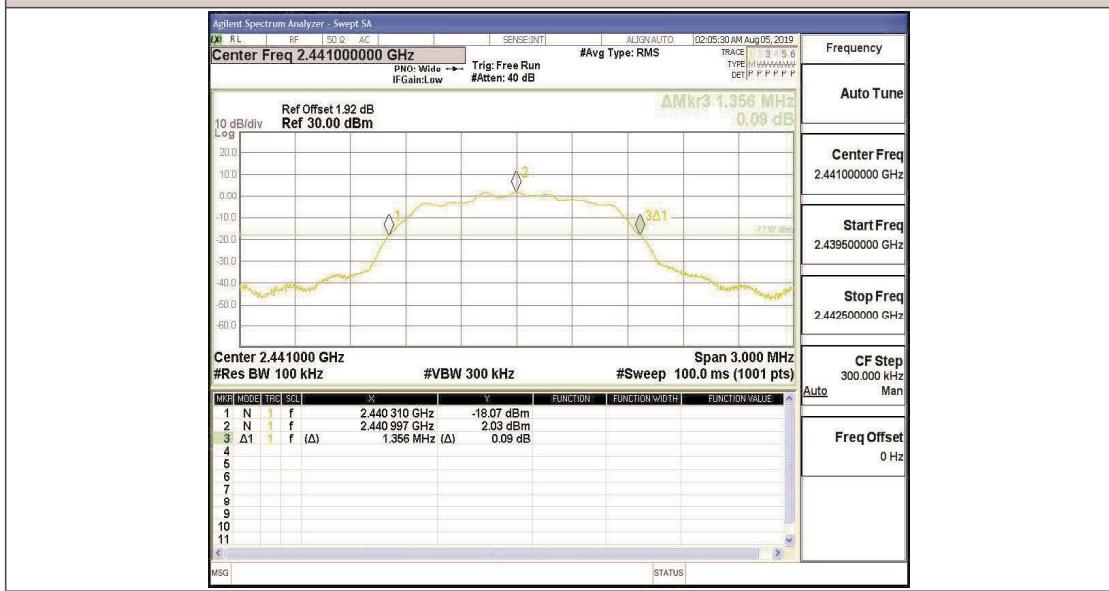




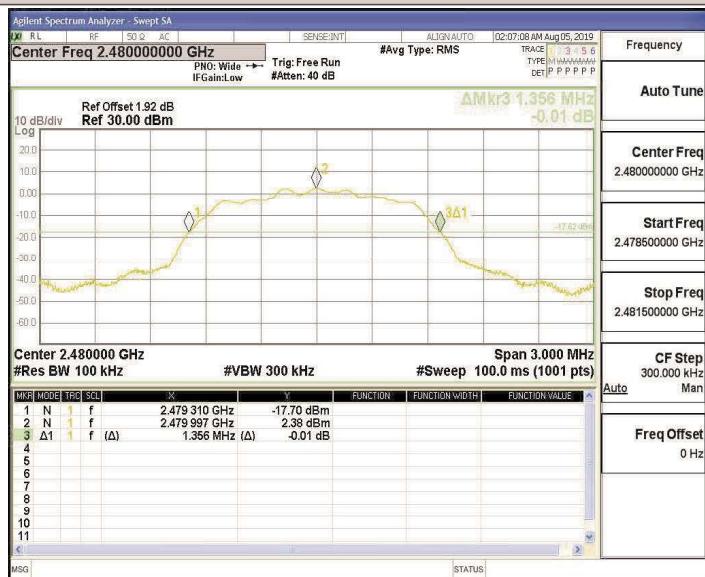
2DH1_Ant1_2402



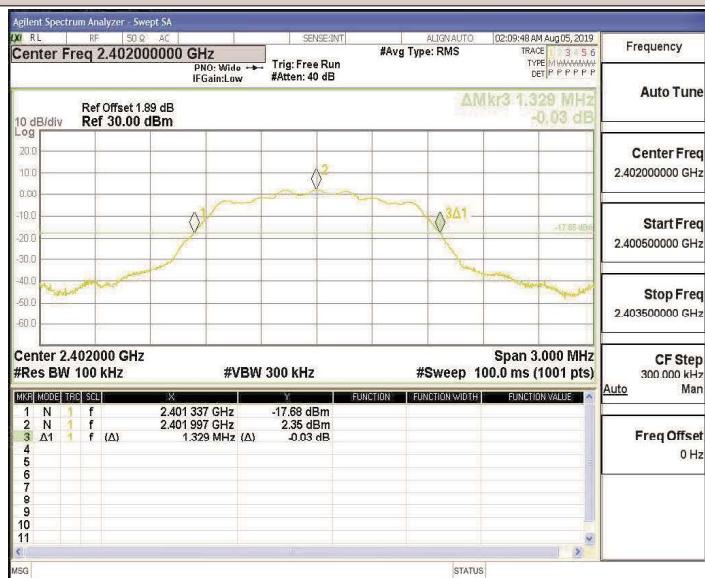
2DH1_Ant1_2441



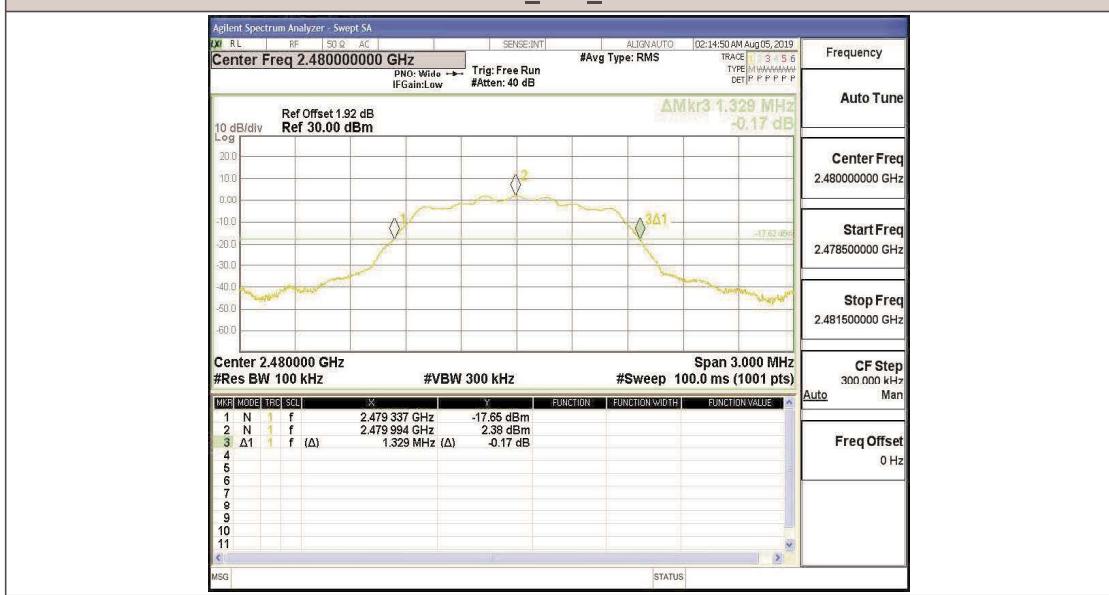
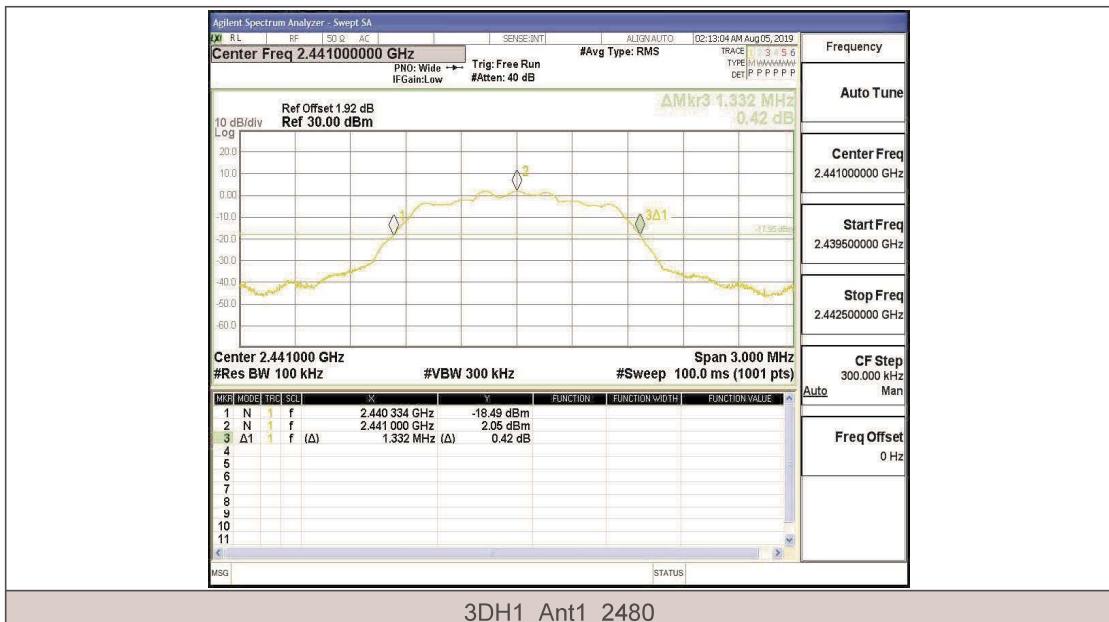
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

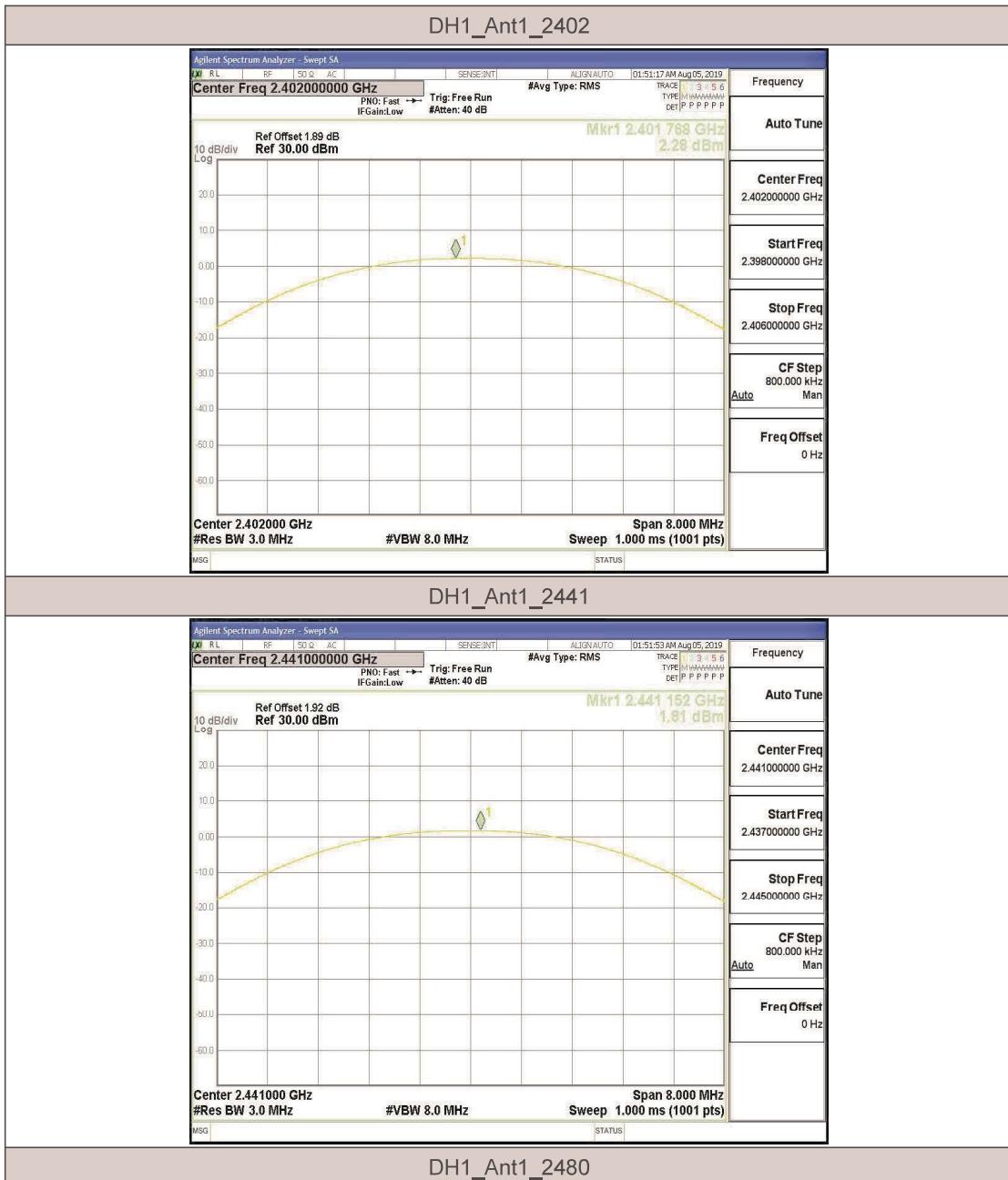


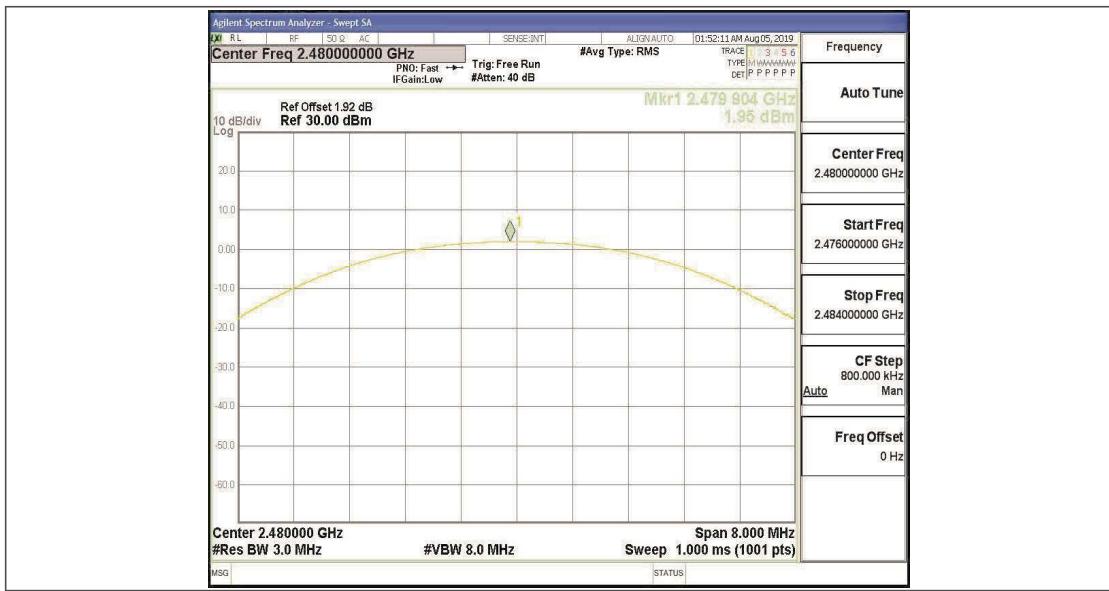
Appendix C: Maximum conducted output power

Test Result

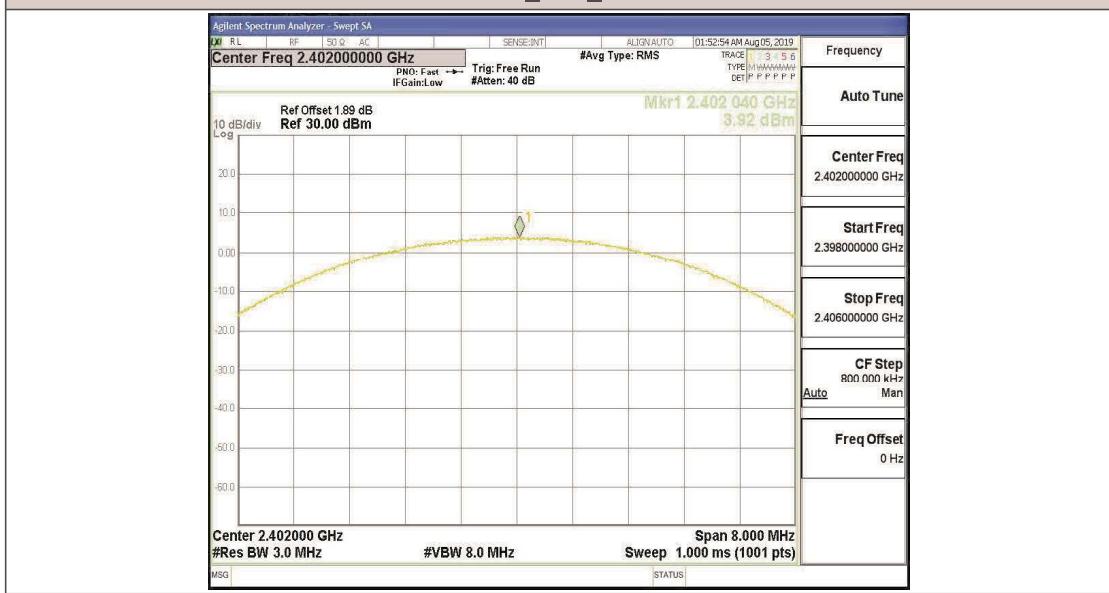
TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH1	Ant1	2402	2.28	<=21	PASS
		2441	1.81	<=21	PASS
		2480	1.95	<=21	PASS
2DH1	Ant1	2402	3.92	<=21	PASS
		2441	3.64	<=21	PASS
		2480	3.97	<=21	PASS
3DH1	Ant1	2402	4.35	<=21	PASS
		2441	4.15	<=21	PASS
		2480	4.47	<=21	PASS

Test Graphs

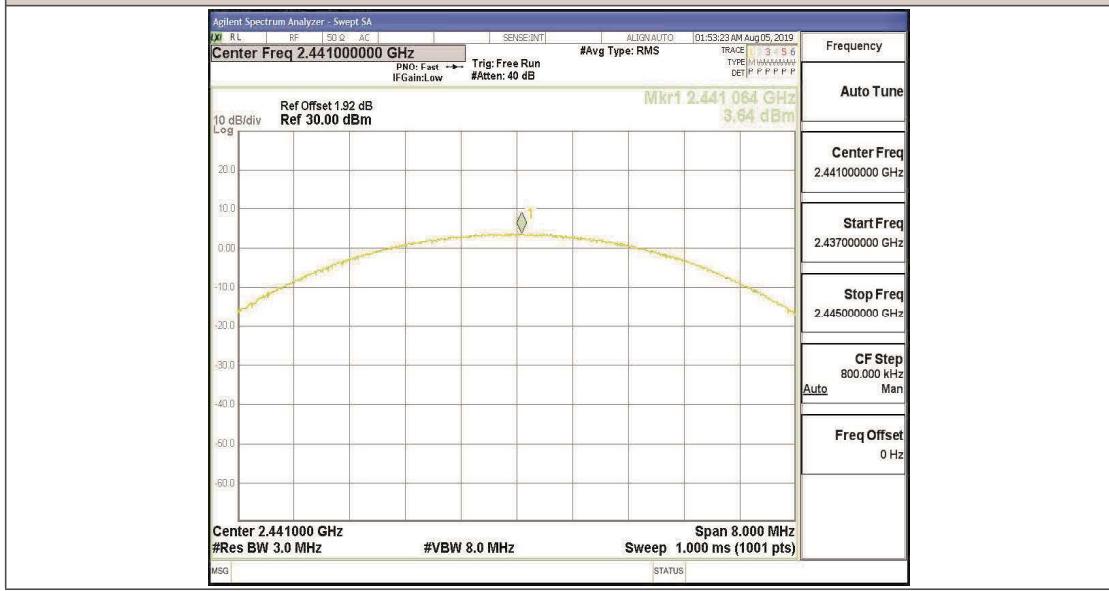




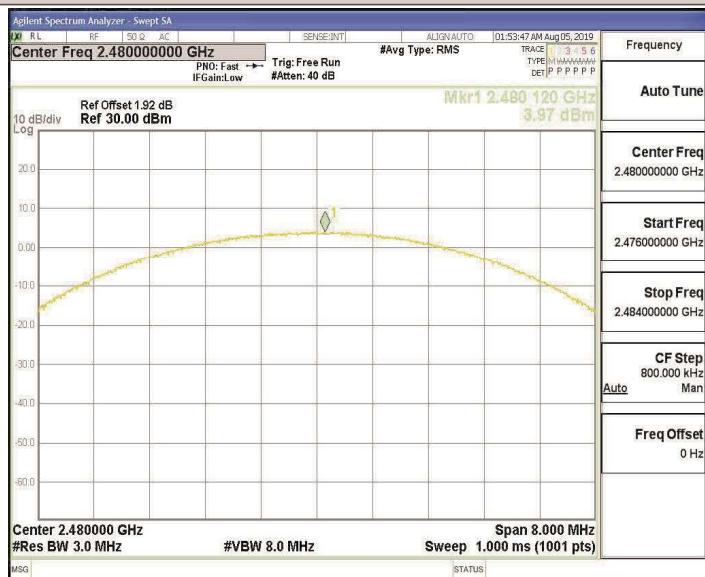
2DH1_Ant1_2402



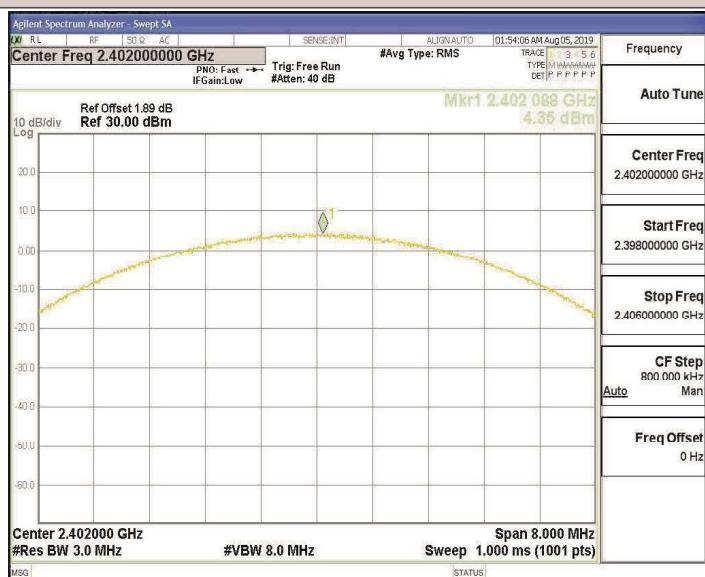
2DH1_Ant1_2441



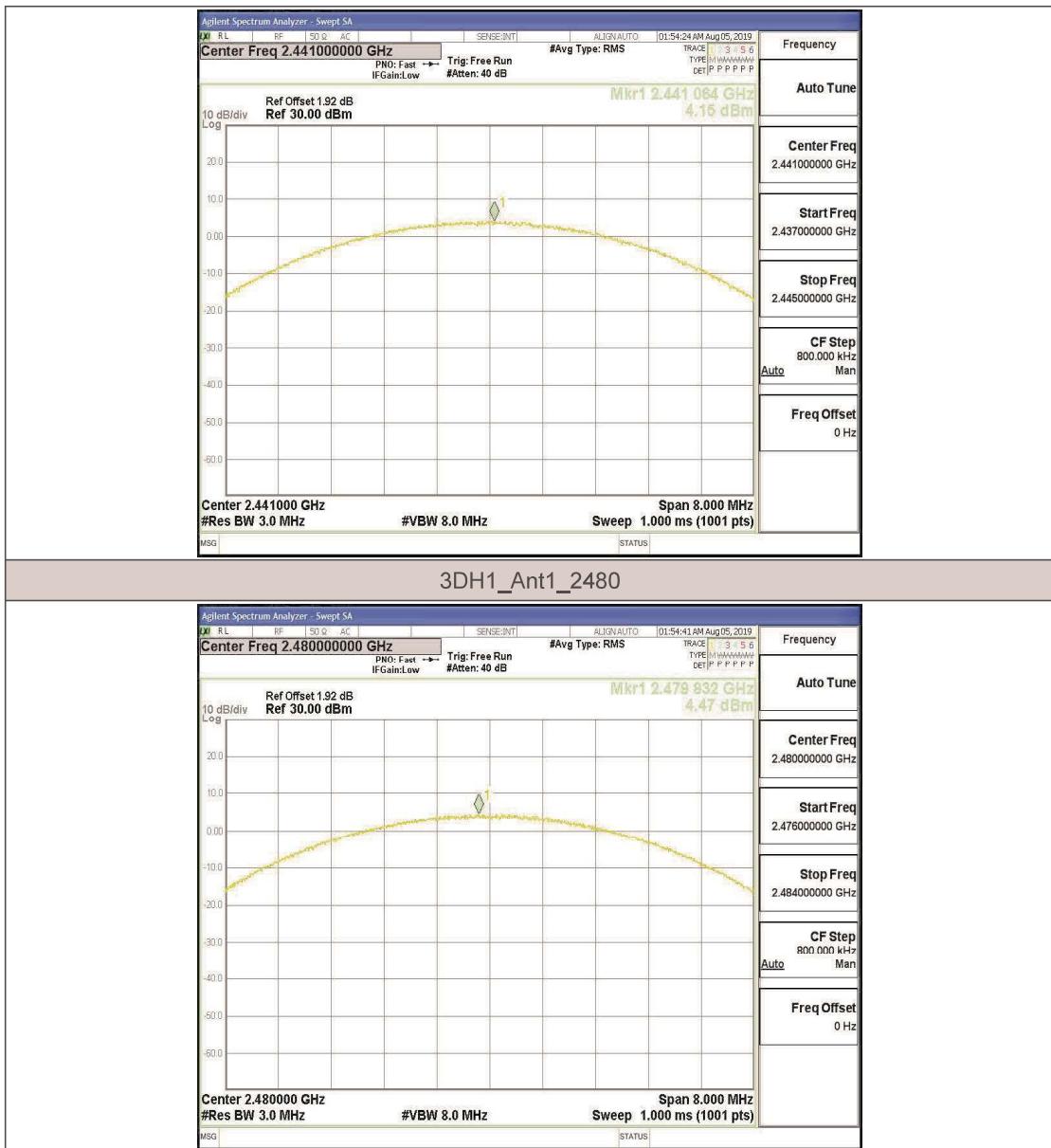
2DH1_Ant1_2480



3DH1_Ant1_2402



3DH1_Ant1_2441

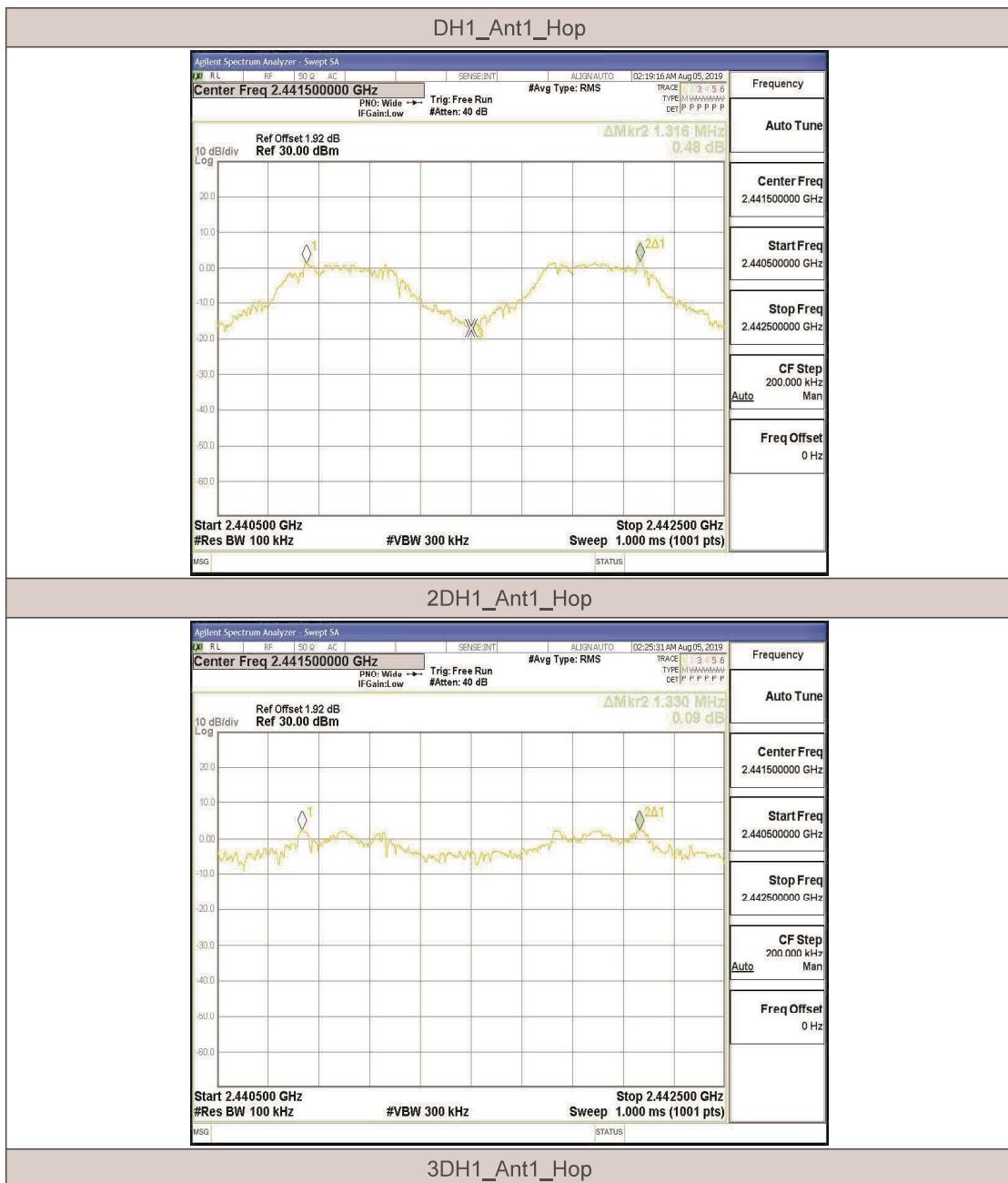


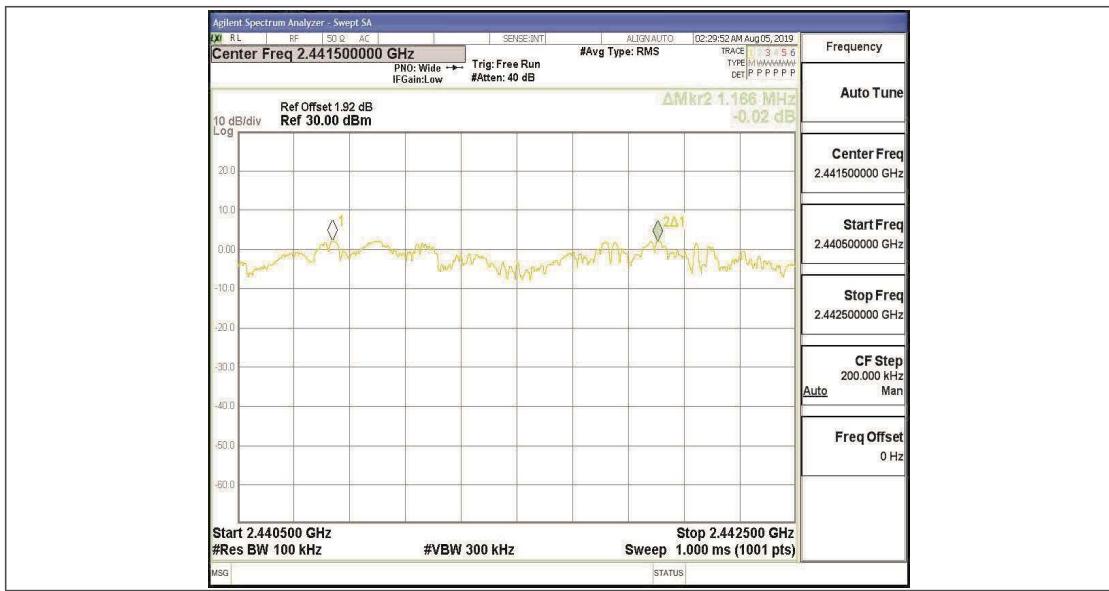
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	Ant1	Hop	1.316	>=1.092	PASS
2DH1	Ant1	Hop	1.33	>=0.906	PASS
3DH1	Ant1	Hop	1.166	>=0.888	PASS

Test Graphs





Appendix E: Time of occupancy

Test Result

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.38	320	0.122	<=0.4	PASS
DH3	Ant1	Hop	1.64	180	0.294	<=0.4	PASS
DH5	Ant1	Hop	2.89	130	0.375	<=0.4	PASS