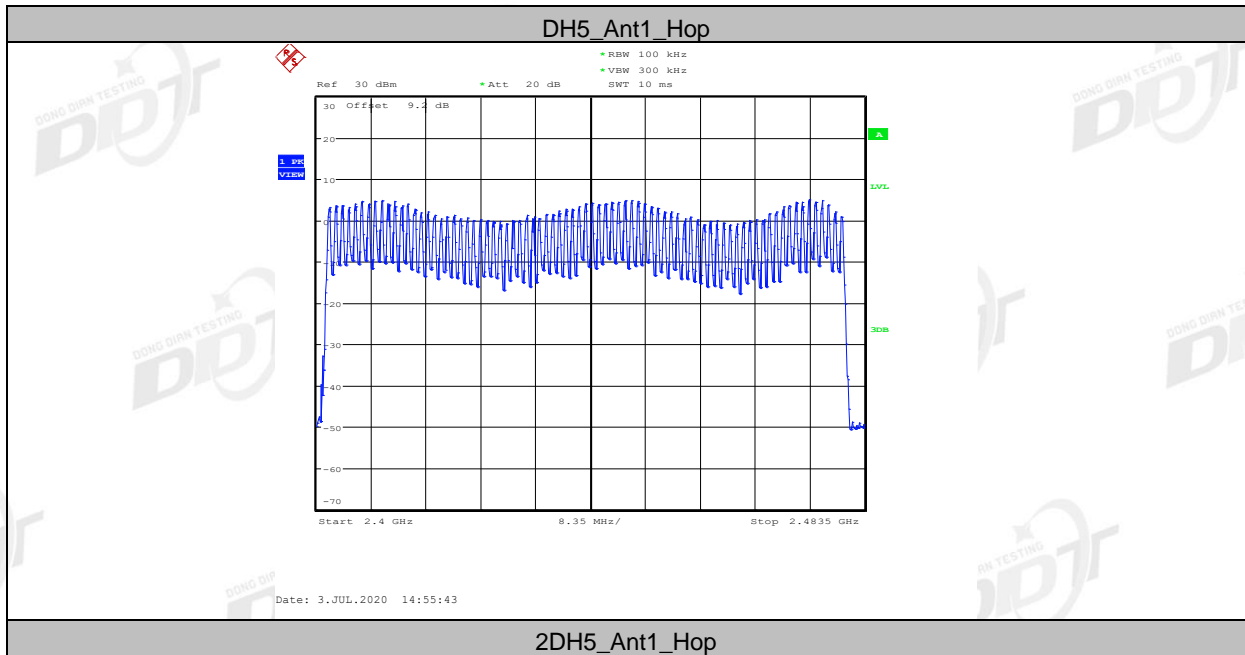
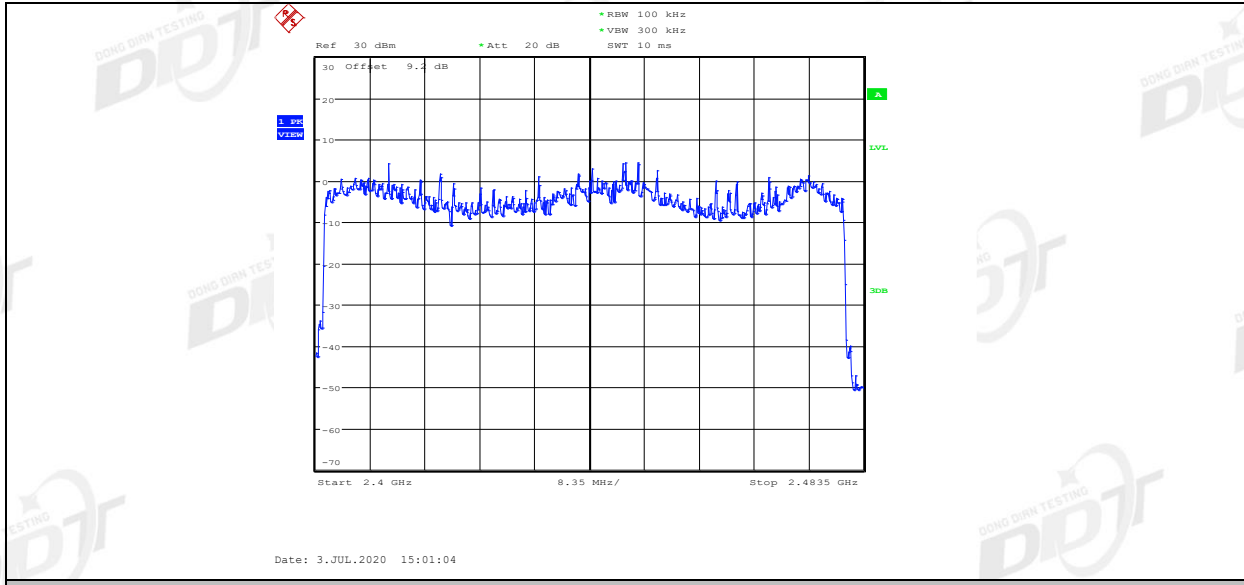
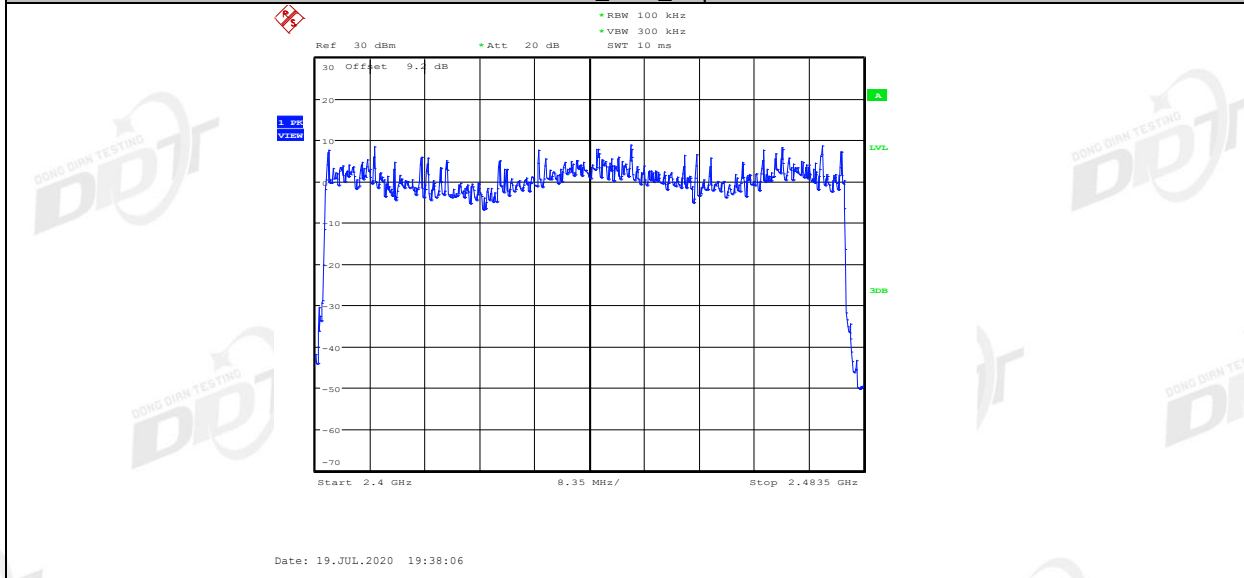


Right side:





3DH5_Ant1_Hop



8. Dwell Time

8.1. Block diagram of test setup

Same as section 4.1

8.2. Limits

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

8.3. Test procedure

- (1) Connect EUT's antenna output to spectrum analyzer by RF cable.
- (2) The test period: $T = 0.4 \text{ Second/Channel} \times 79 \text{ Channel} = 31.6 \text{ s}$
- (3) Measure the hopping number and on time of each pulse with spectrum analyzer in zero span set, and calculate dwell time with formula $\text{Dwell time} = \text{total hops} \times \text{pulse's on time}$.

8.4. Test result

Left side:

Mode	Dwell time (s)	Pulse's on time (ms)	Total hops	Limit	Verdict
DH1	0.062	0.40	154	<400ms	Pass
DH3	0.185	1.66	112	<400ms	Pass
DH5	0.224	2.90	77	<400ms	Pass
2DH1	0.069	0.41	169	<400ms	Pass
2DH3	0.159	1.66	96	<400ms	Pass
2DH5	0.224	2.91	77	<400ms	Pass
3DH1	0.062	0.41	151	<400ms	Pass
3DH3	0.186	1.66	112	<400ms	Pass
3DH5	0.236	2.91	81	<400ms	Pass

Note: $\text{Dwell time} = \text{total hops} \times \text{pulse's on time}$.

Right side:

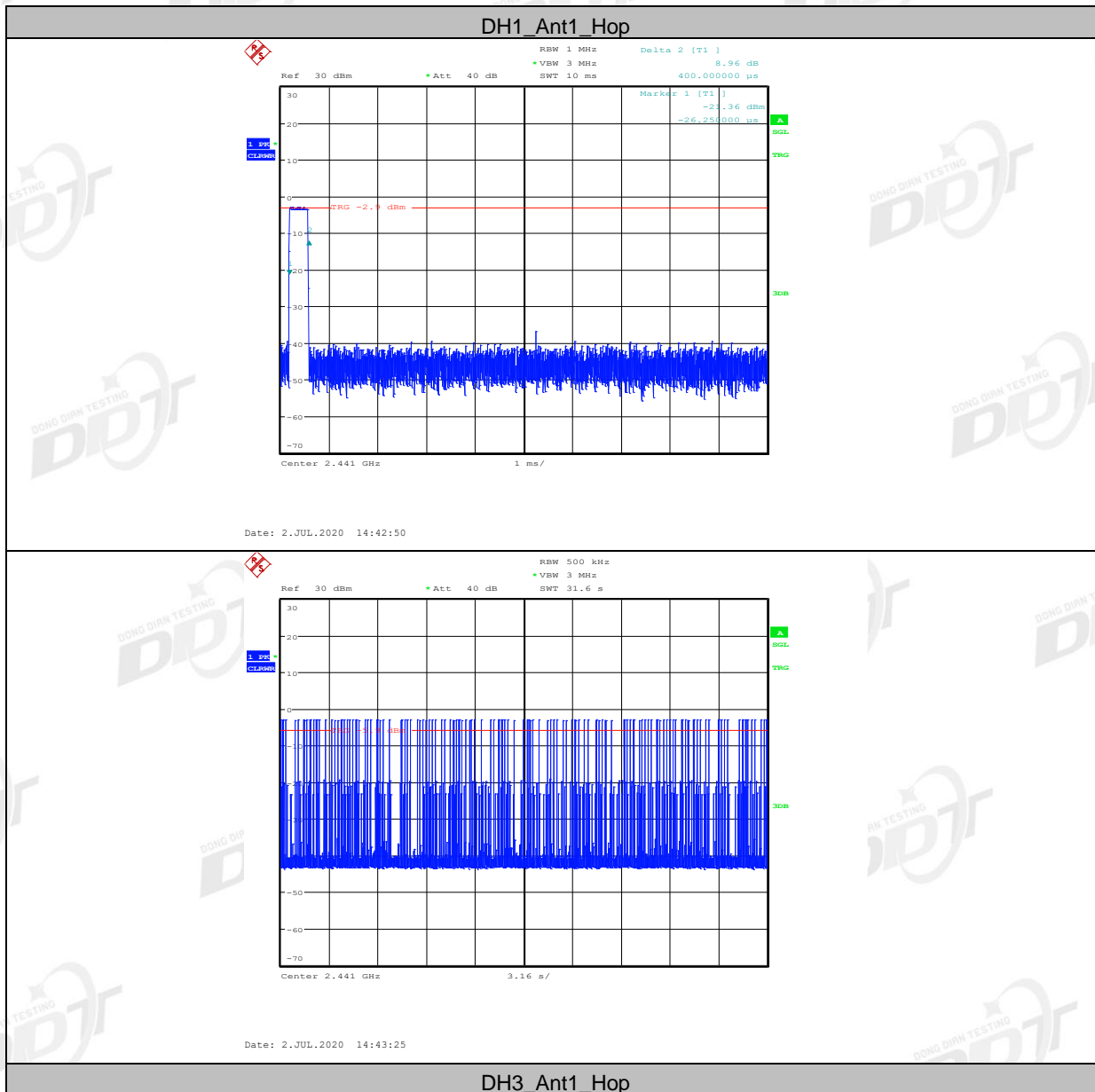
Mode	Dwell time (s)	Pulse's on time (ms)	Total hops	Limit	Verdict
DH1	0.061	0.40	153	<400ms	Pass
DH3	0.187	1.66	113	<400ms	Pass
DH5	0.238	2.90	82	<400ms	Pass
2DH1	0.068	0.41	167	<400ms	Pass
2DH3	0.191	1.66	115	<400ms	Pass
2DH5	0.245	2.91	84	<400ms	Pass
3DH1	0.069	0.41	168	<400ms	Pass

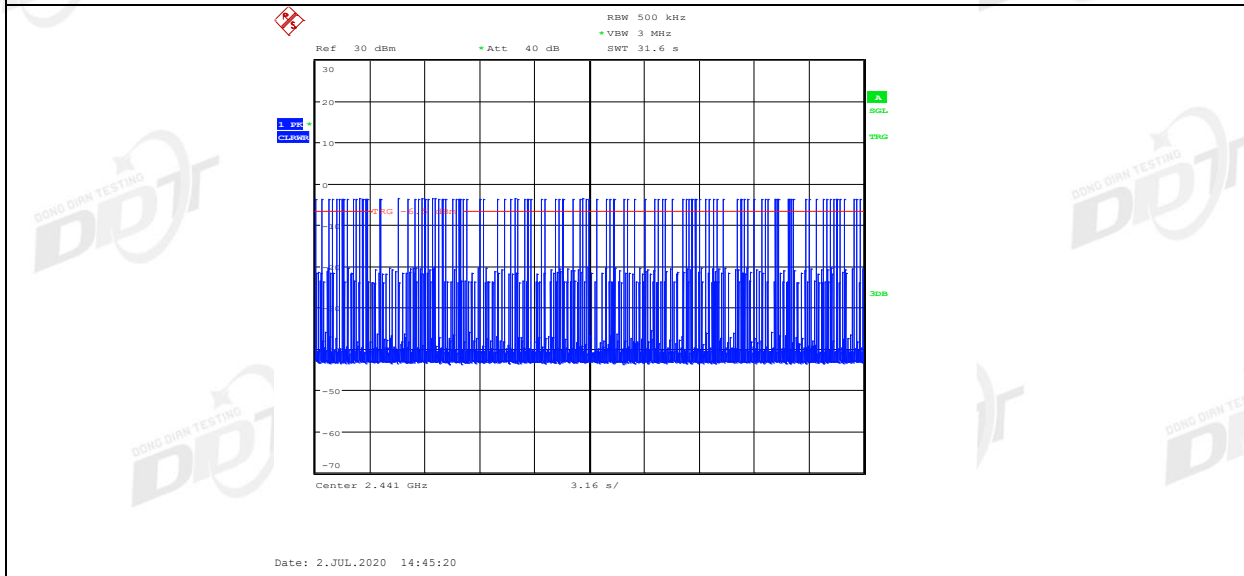
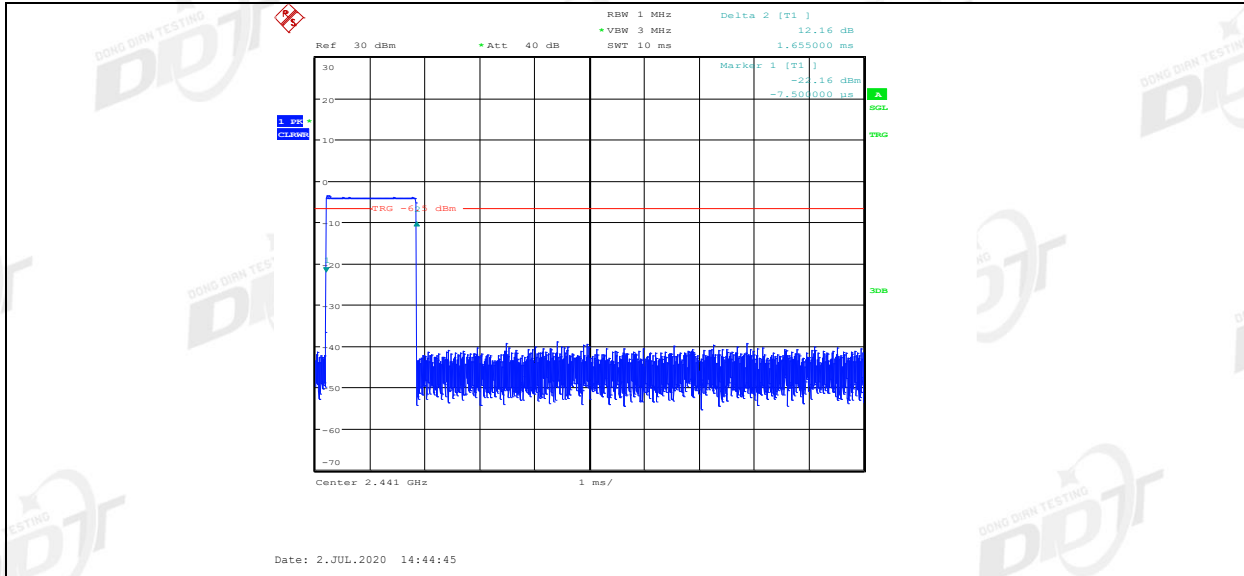
3DH3	0.159	1.66	96	<400ms	Pass
3DH5	0.224	2.91	77	<400ms	Pass

Note: Dwell time = total hops *pulse's on time.

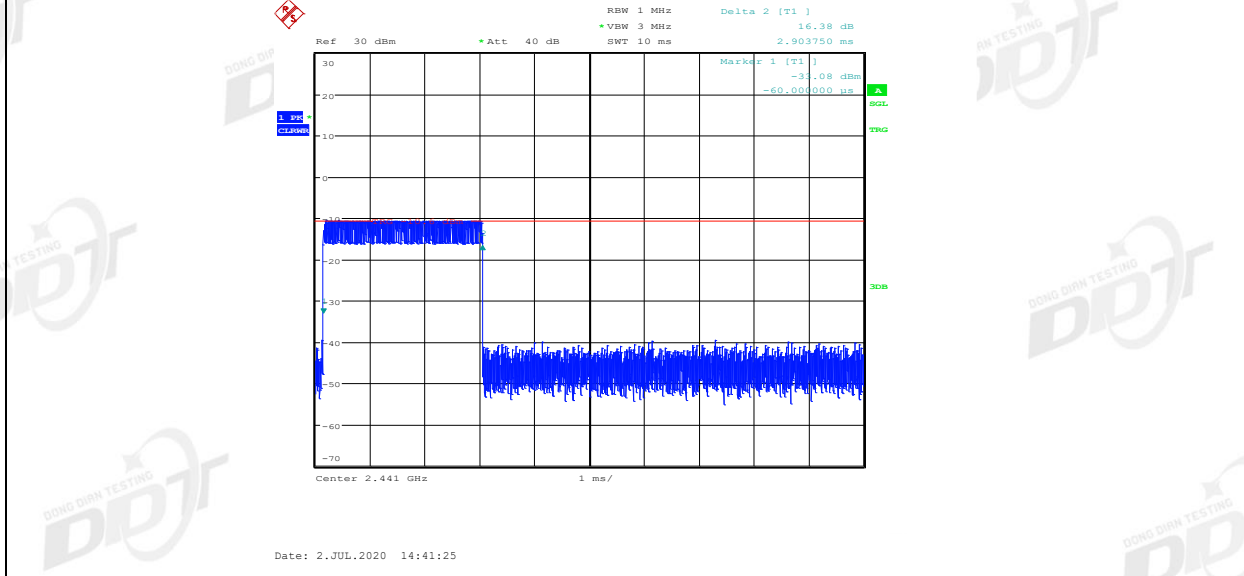
8.5. Original test data

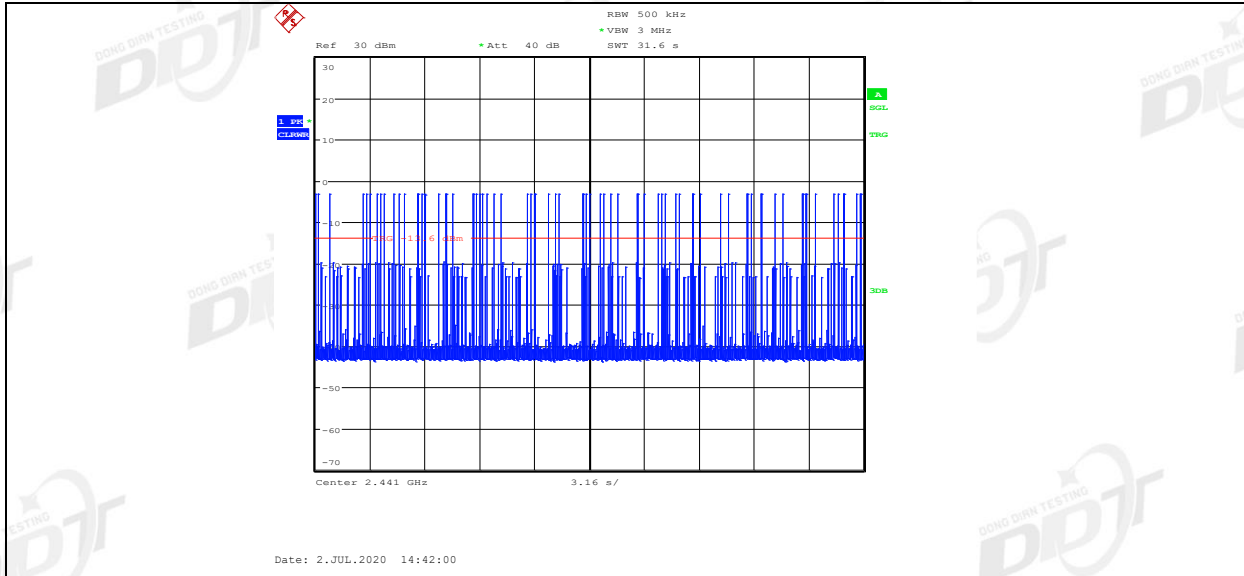
Left side:



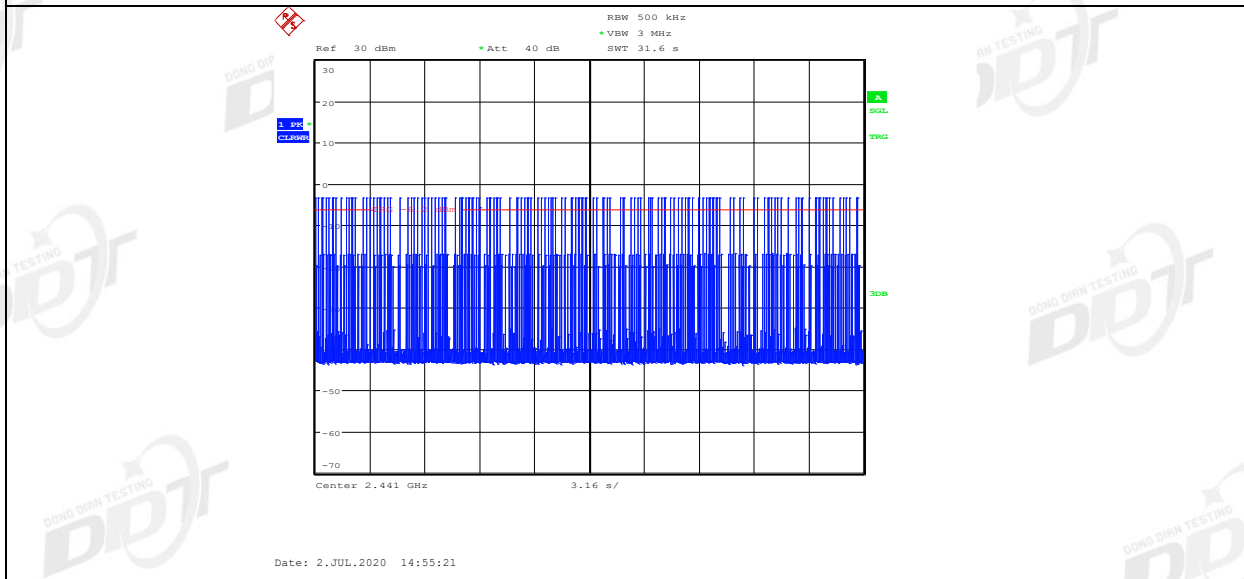
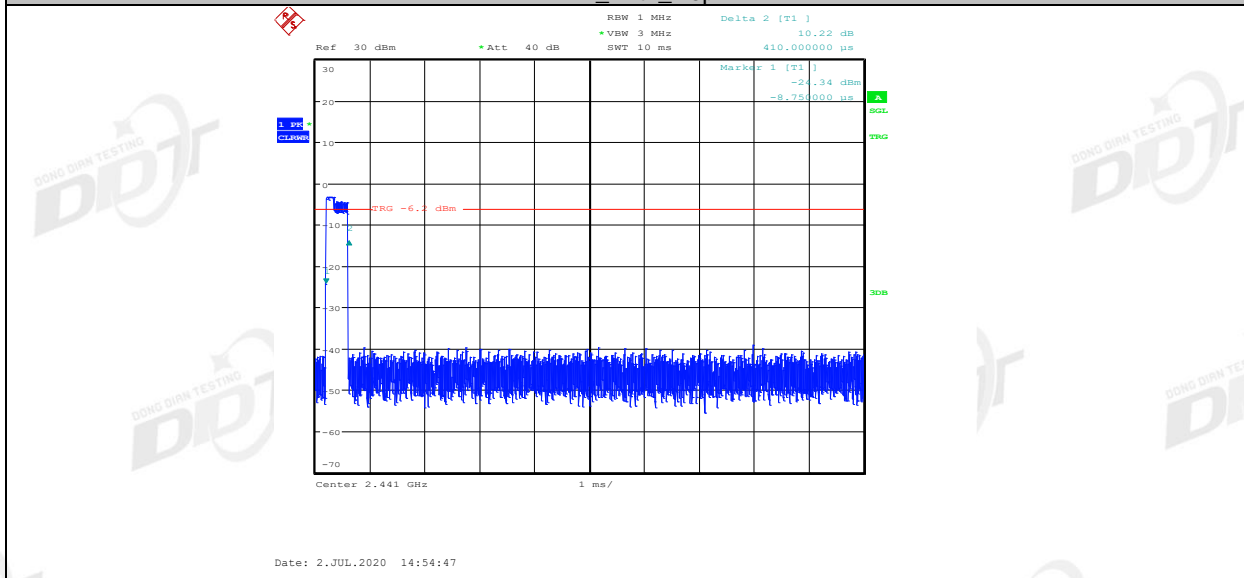


DH5_Ant1_Hop

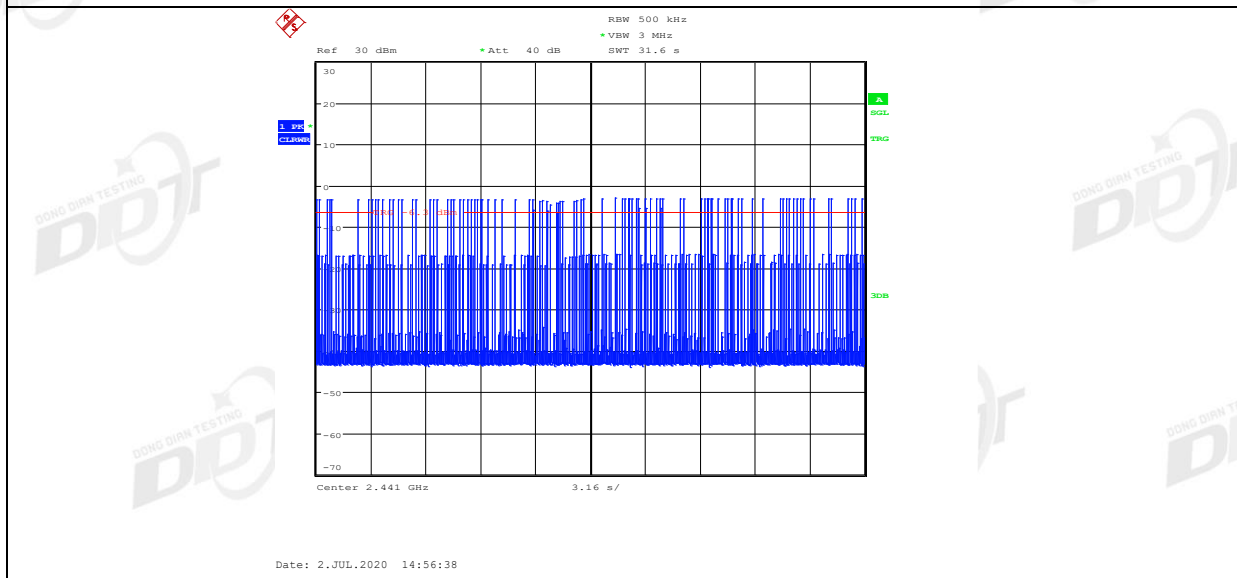
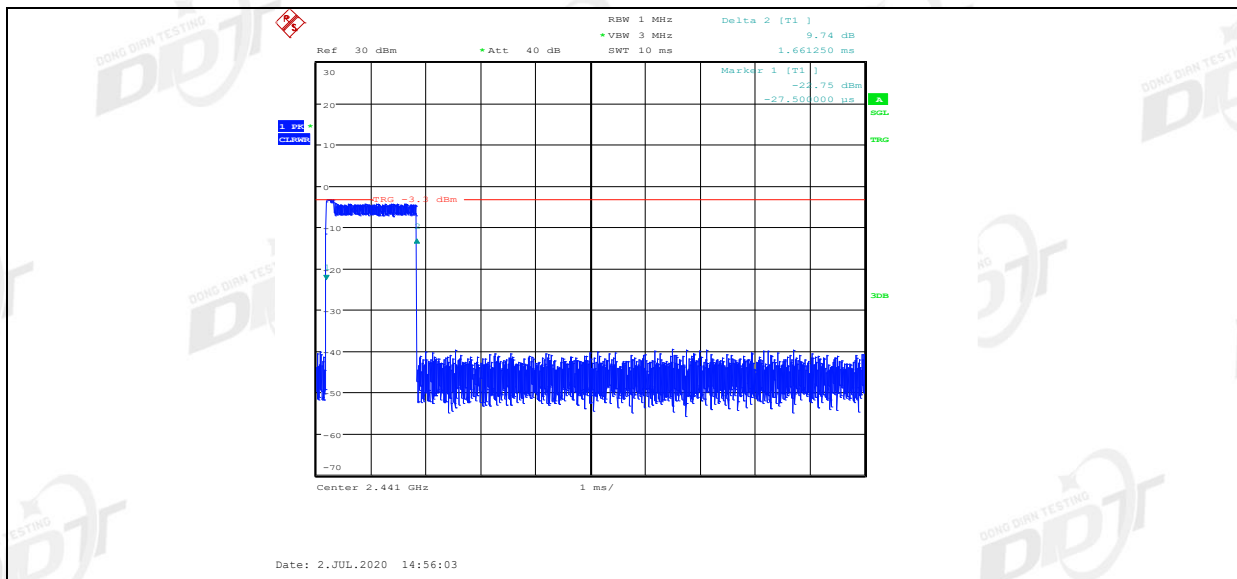




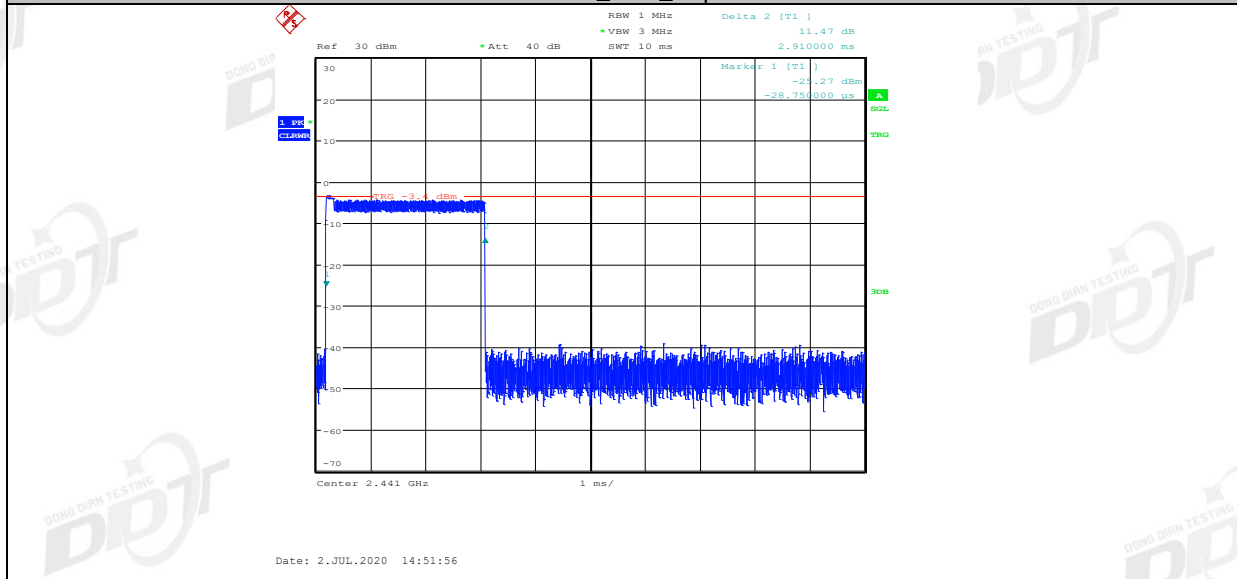
2DH1_Ant1_Hop

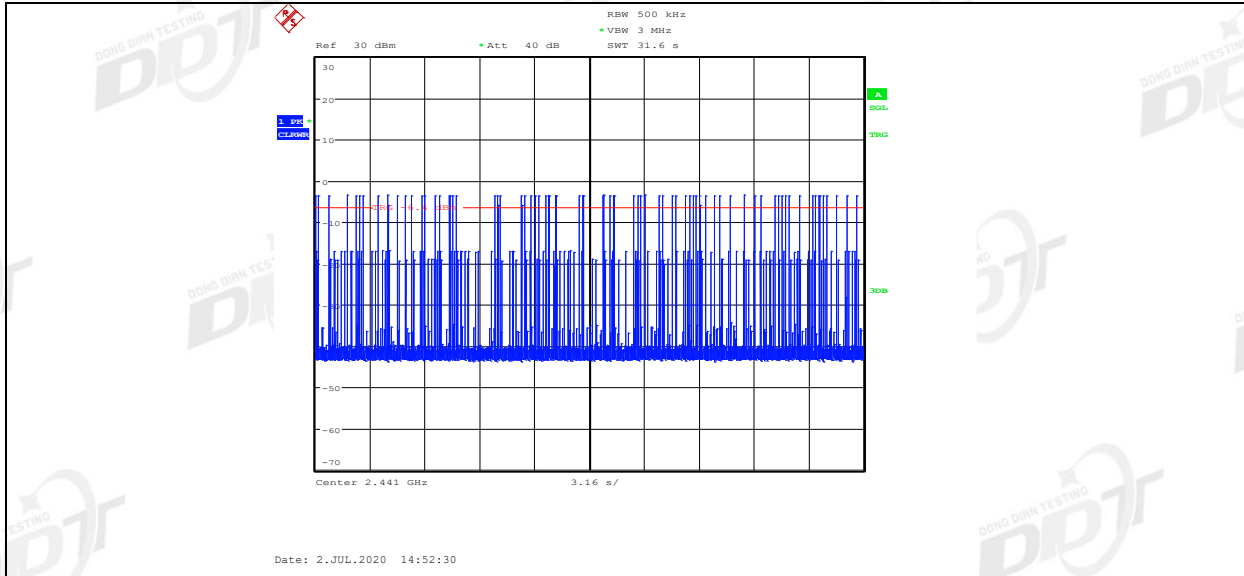


2DH3_Ant1_Hop

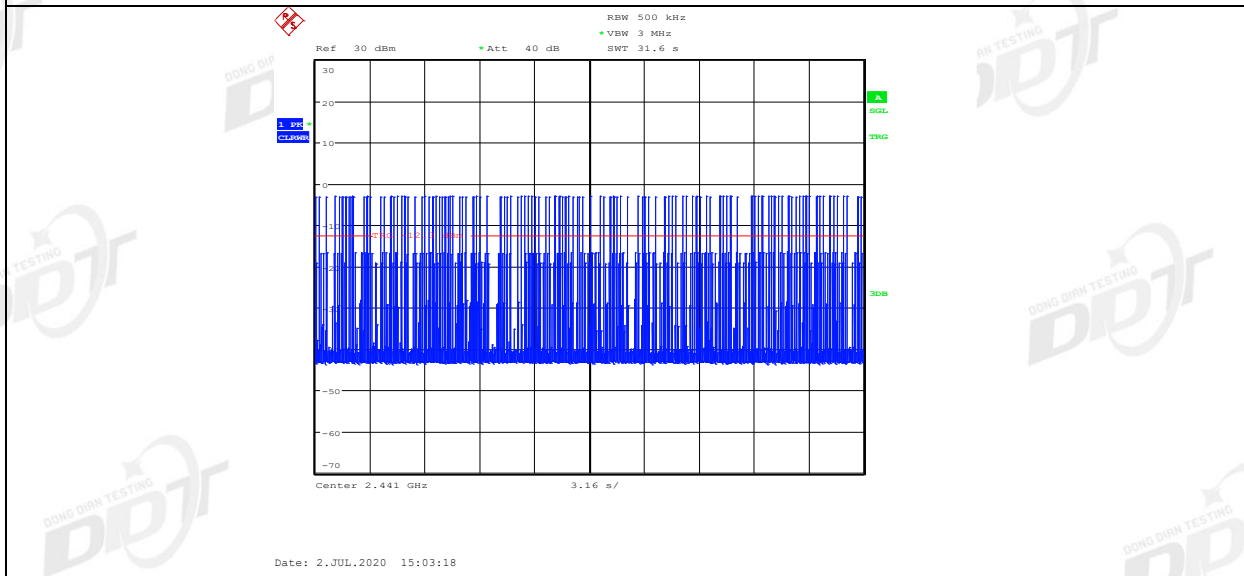
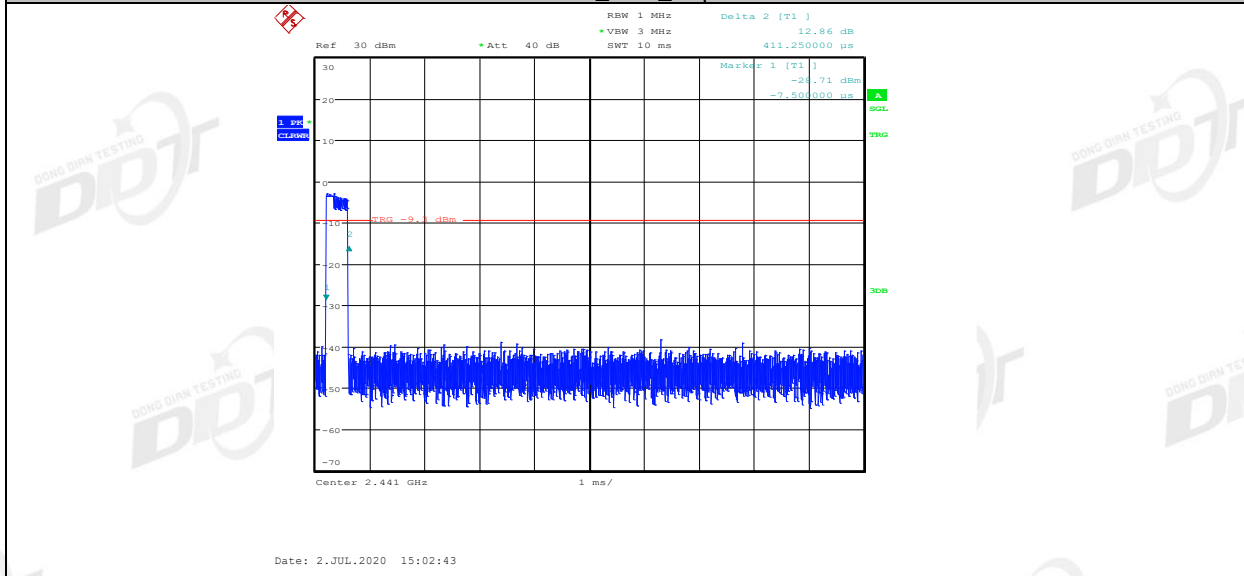


2DH5_Ant1_Hop

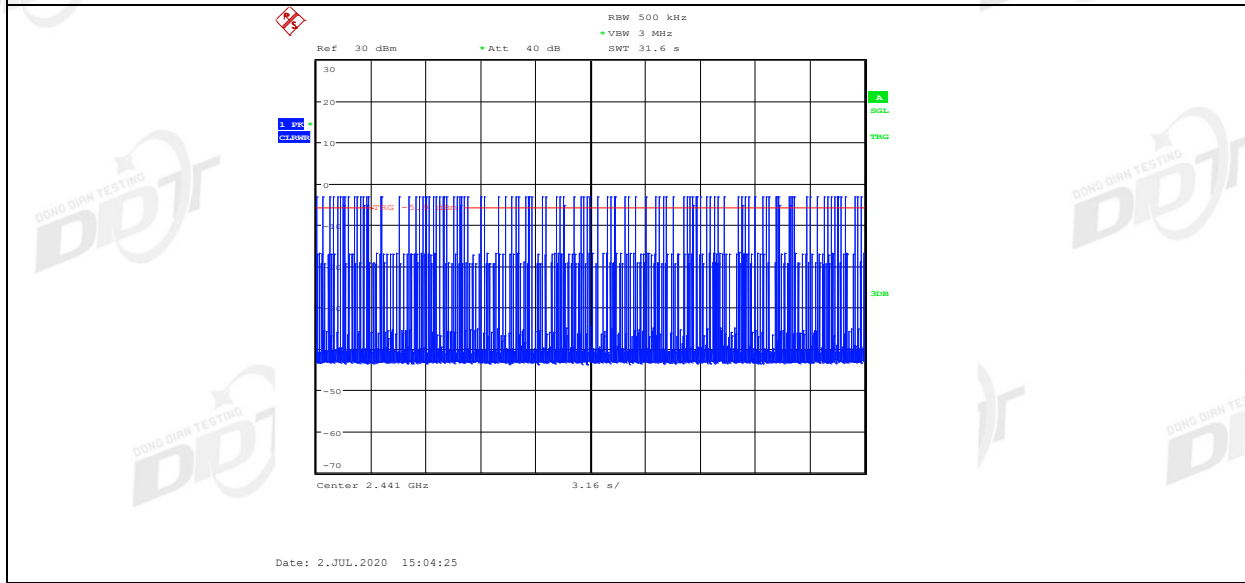
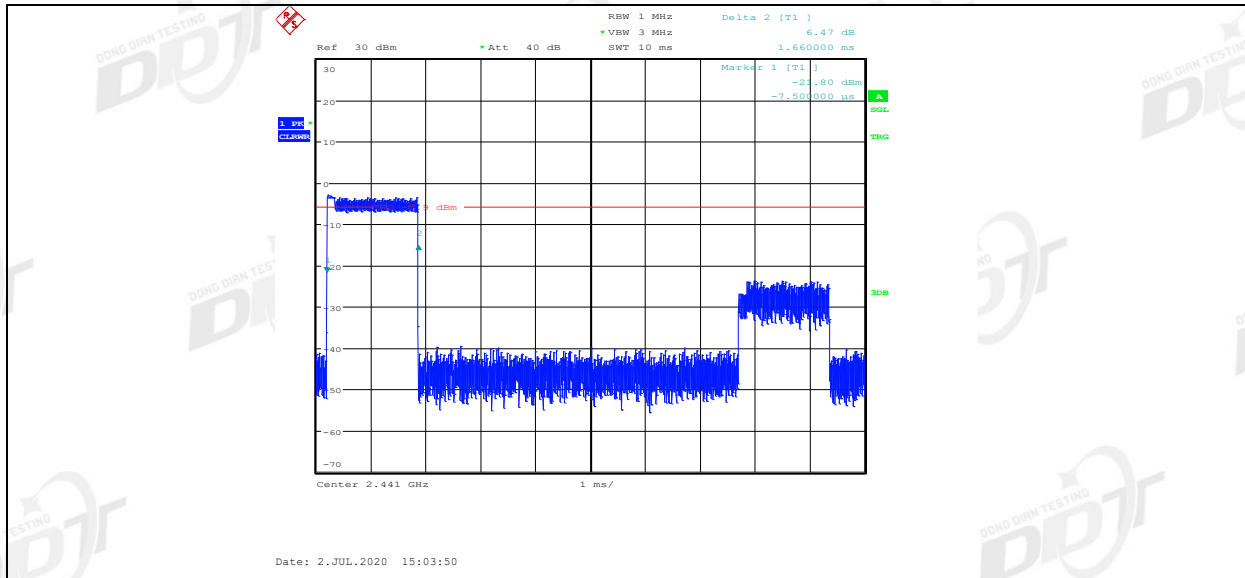




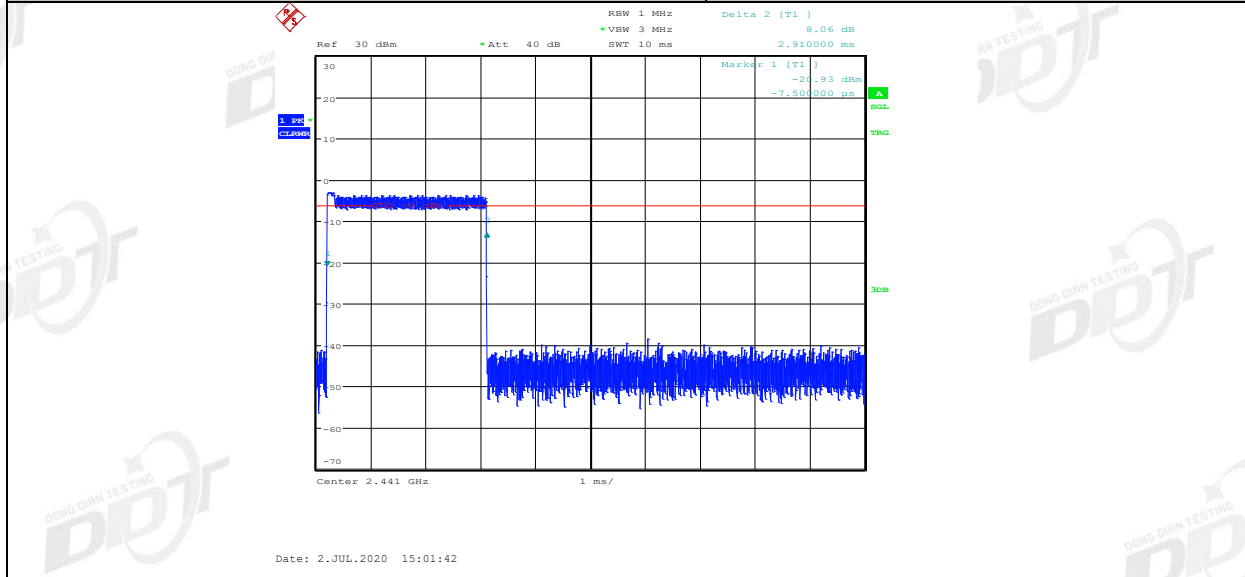
3DH1_Ant1_Hop

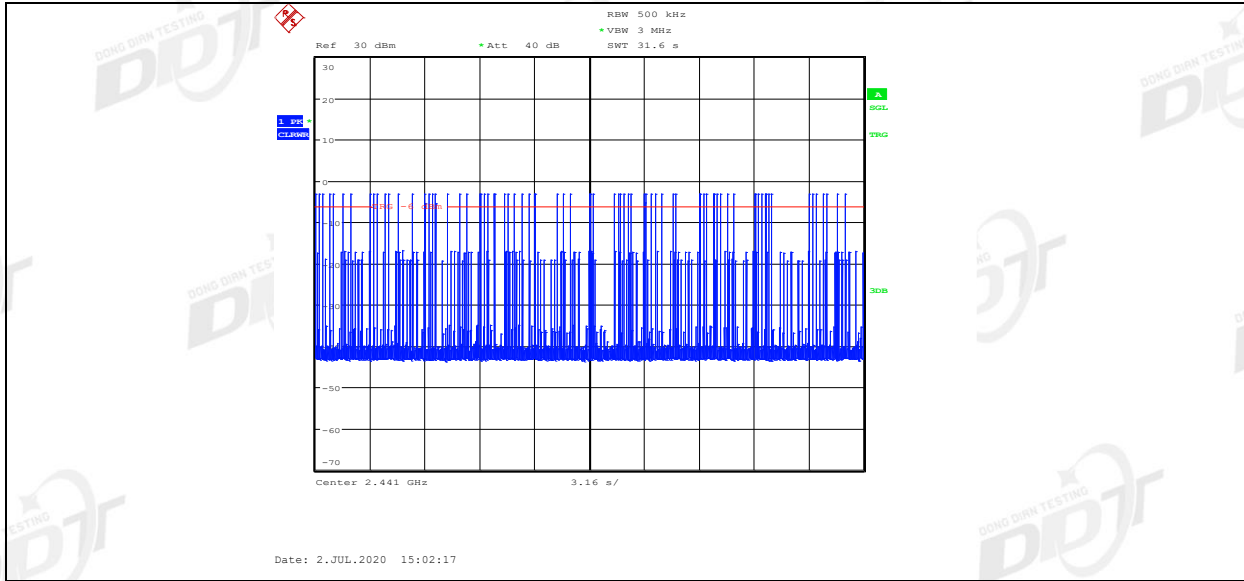


3DH3_Ant1_Hop

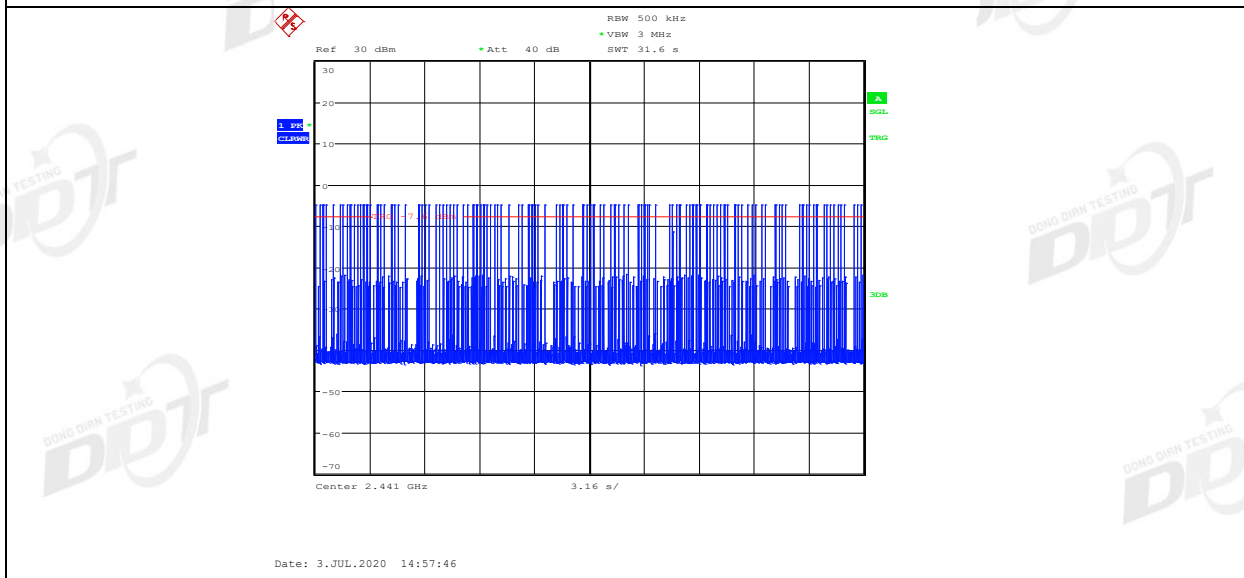
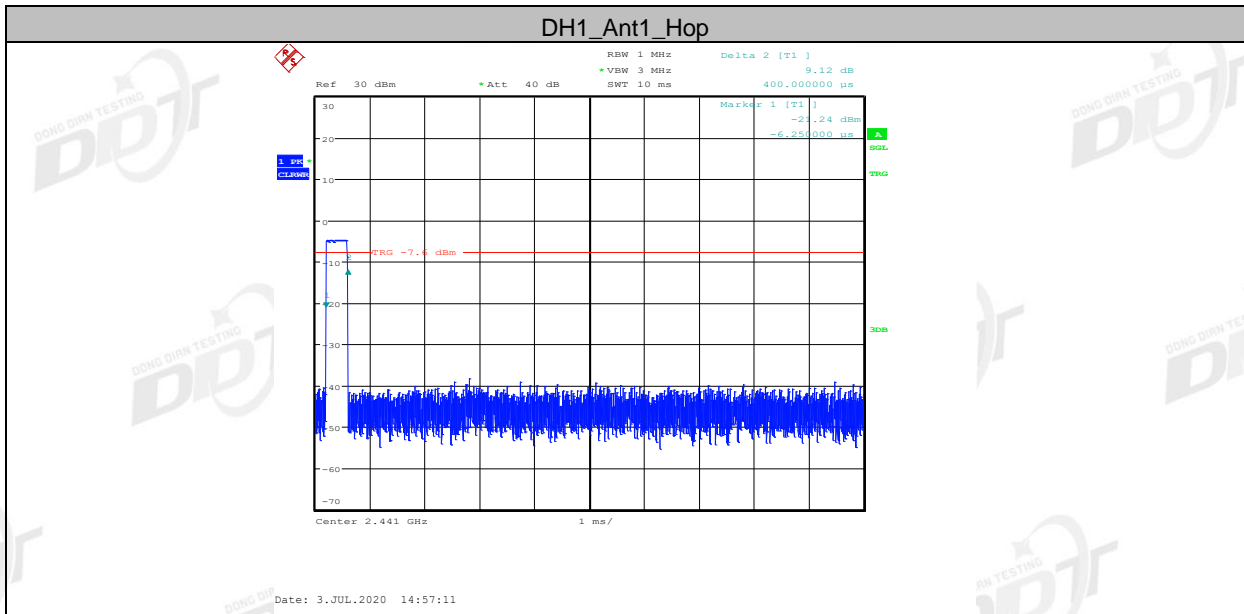


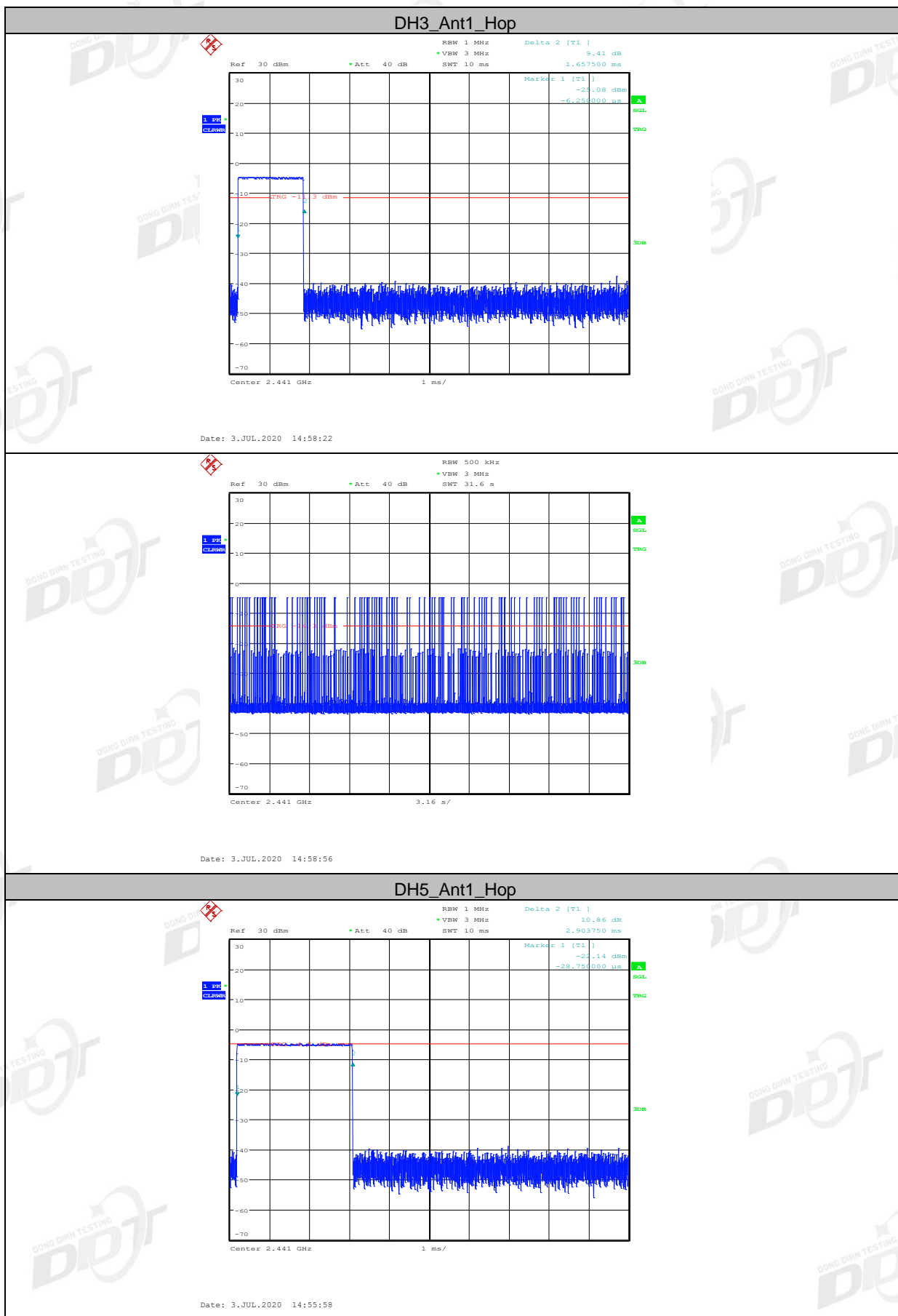
3DH5_Ant1_Hop

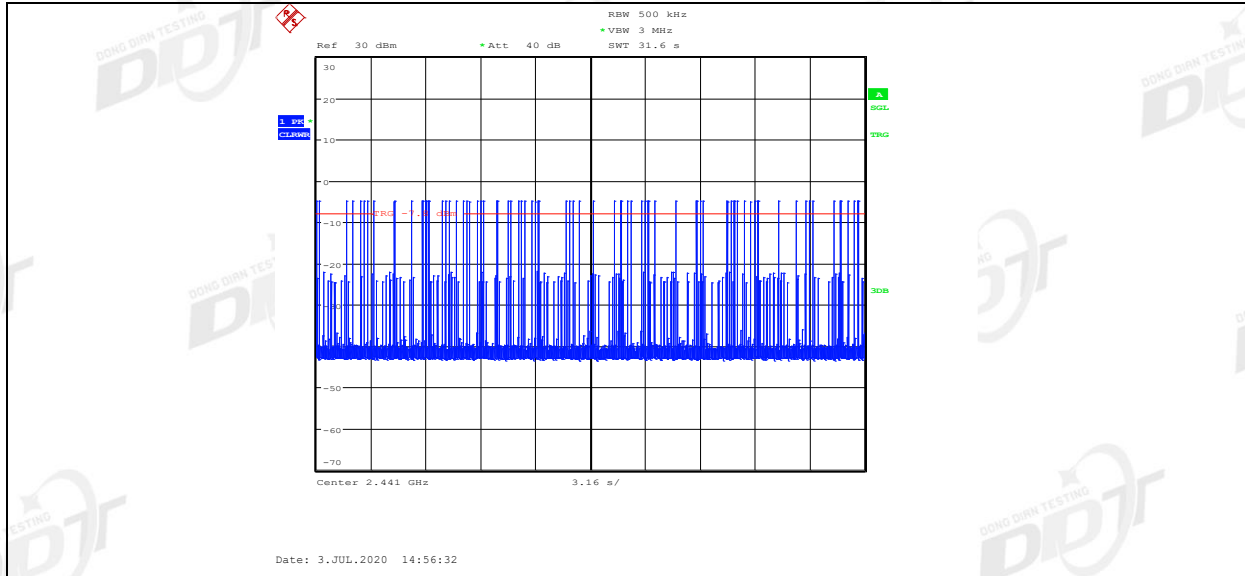




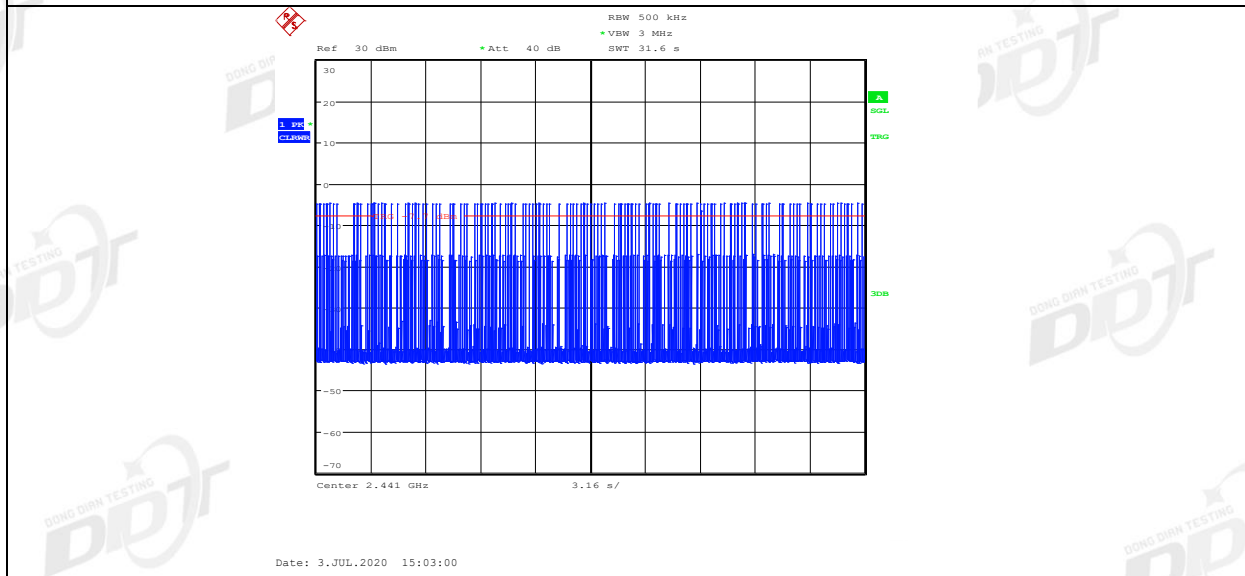
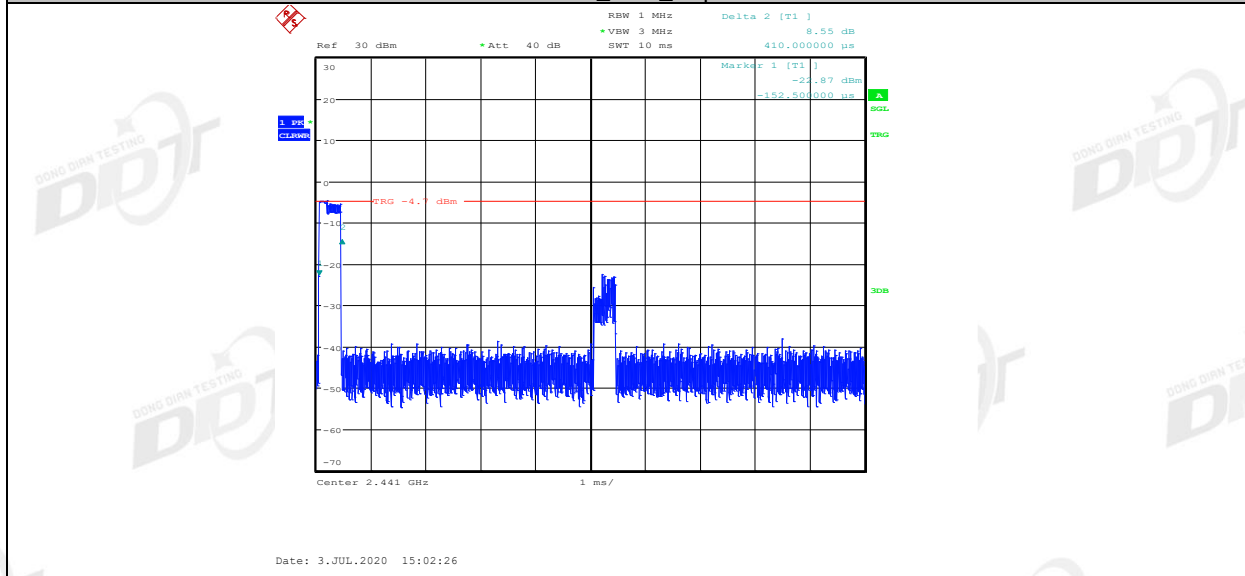
Right side:



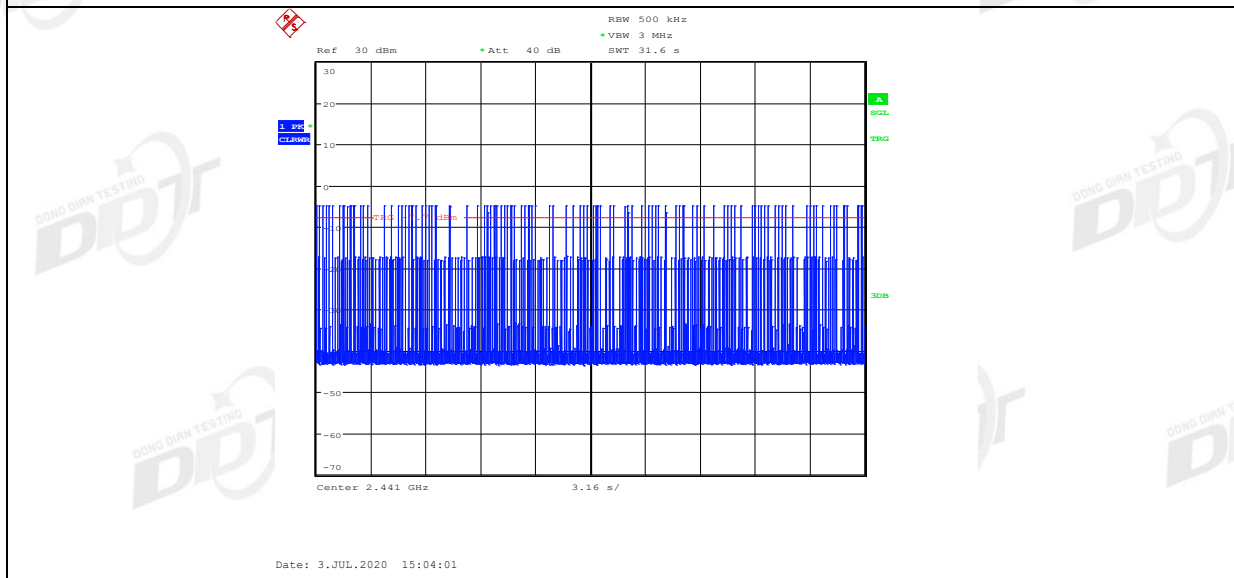
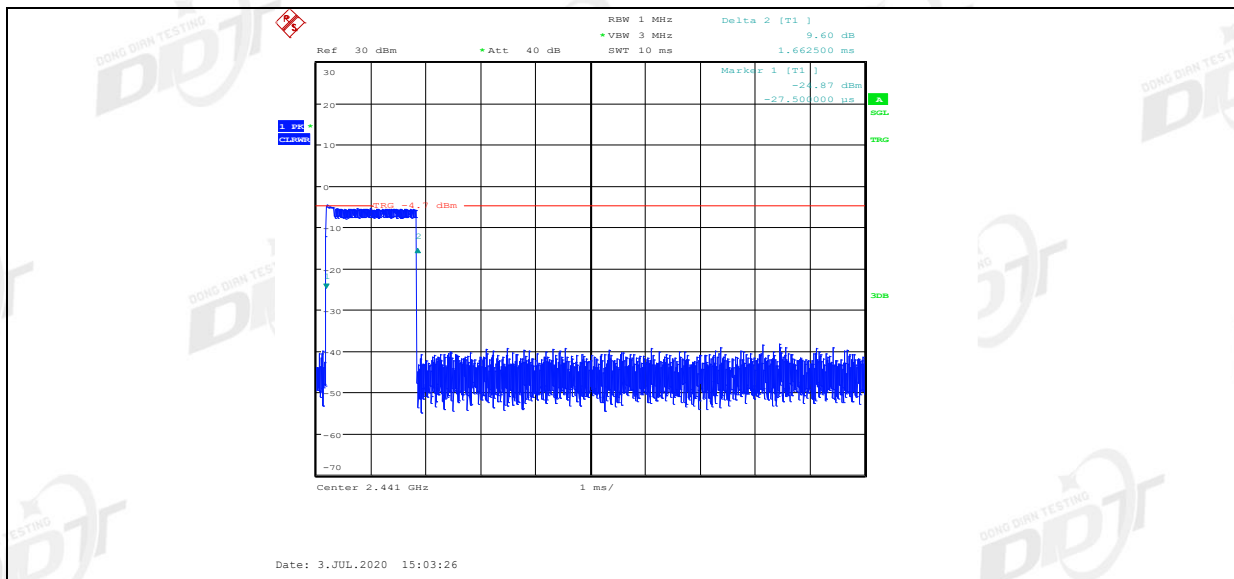




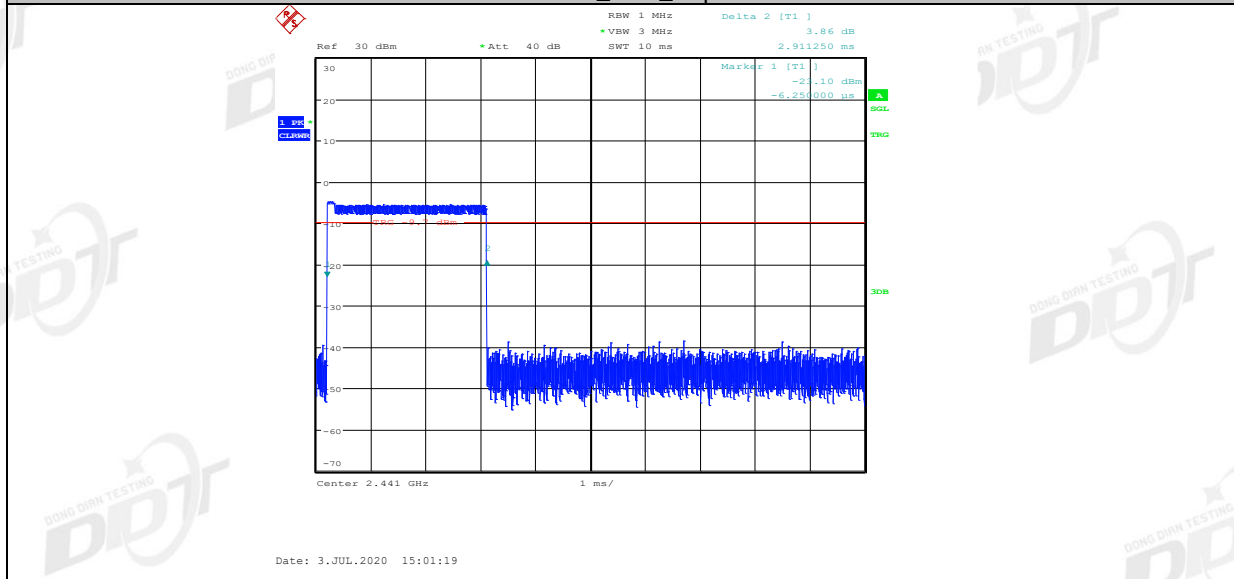
2DH1_Ant1_Hop

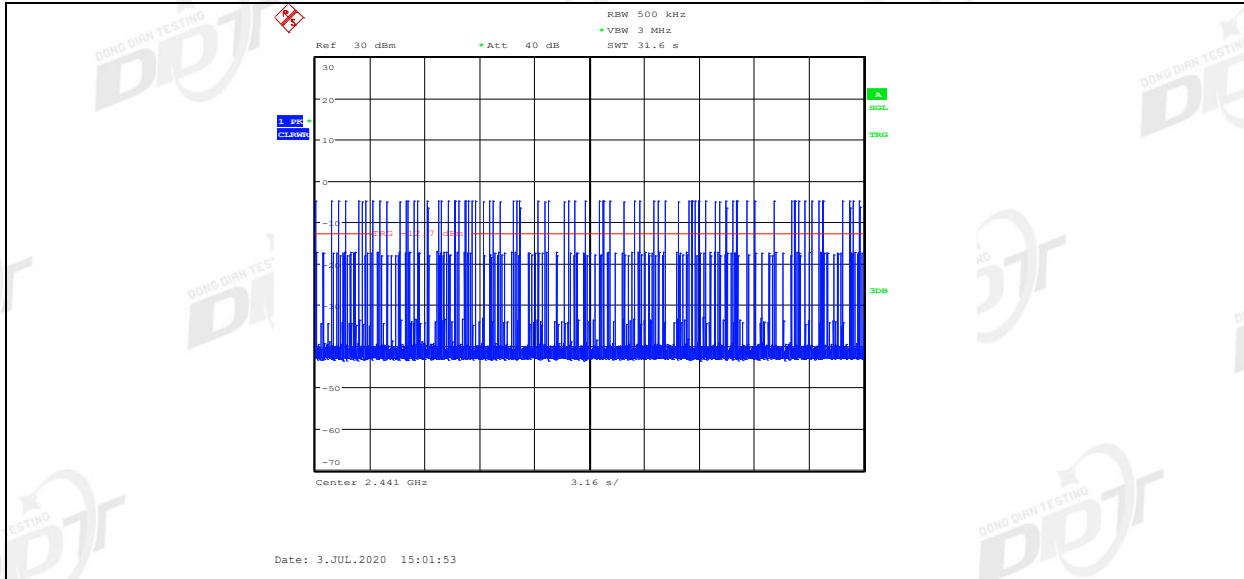


2DH3_Ant1_Hop

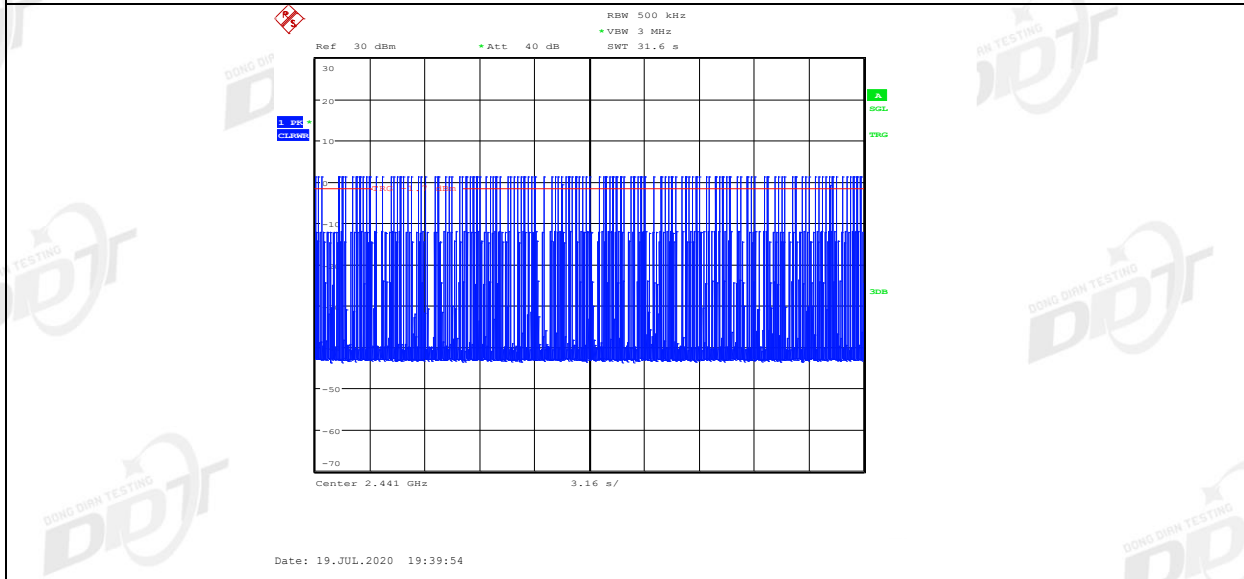
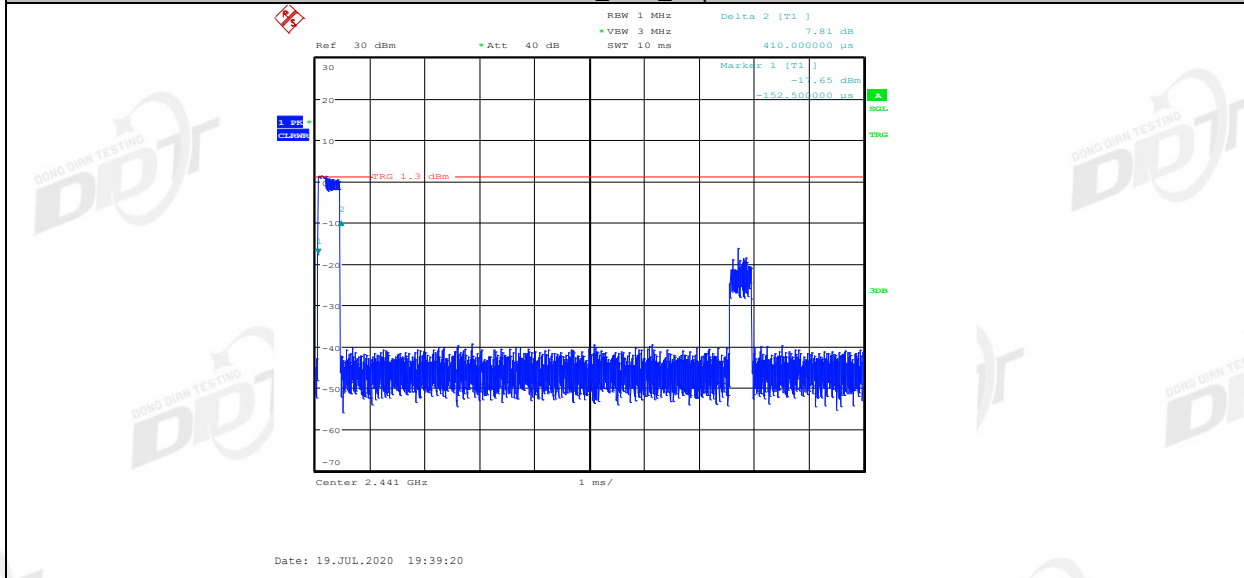


2DH5_Ant1_Hop

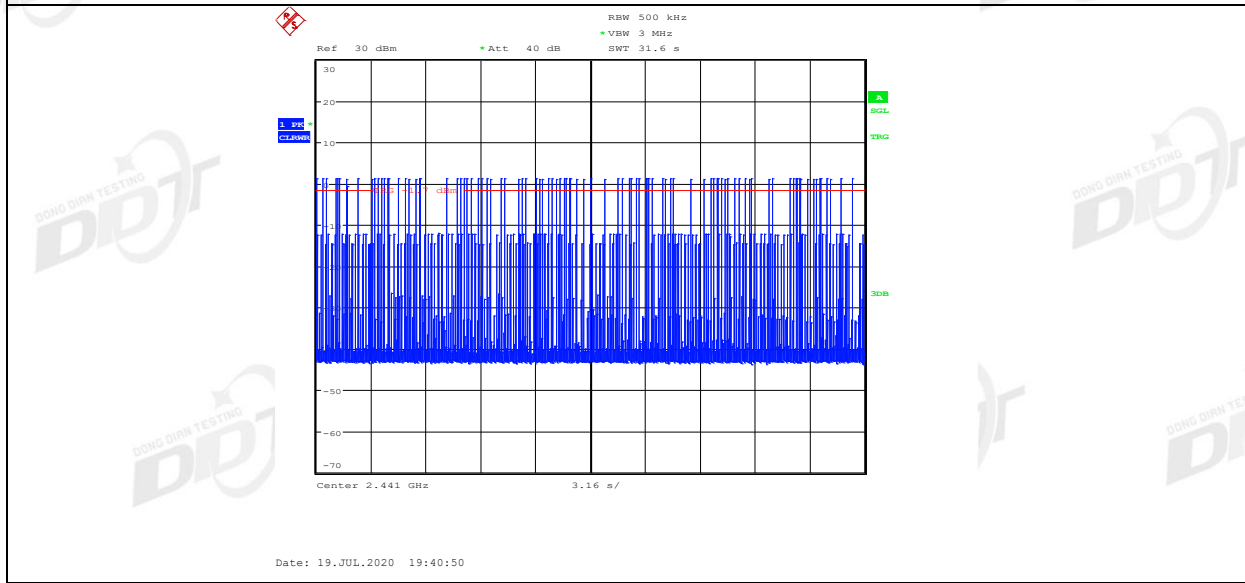
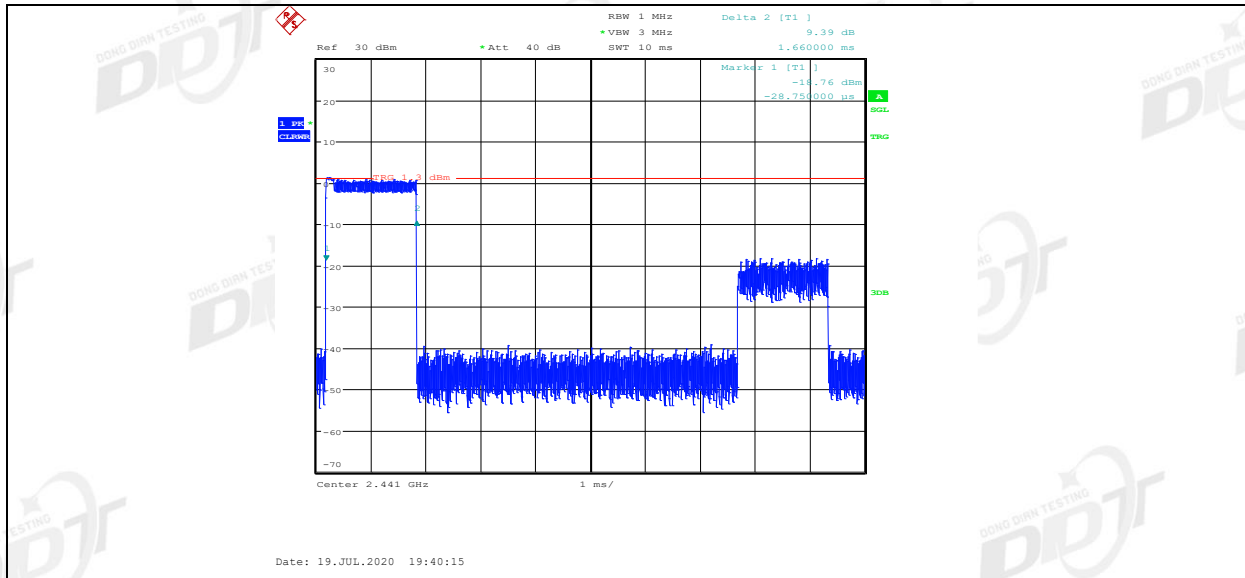




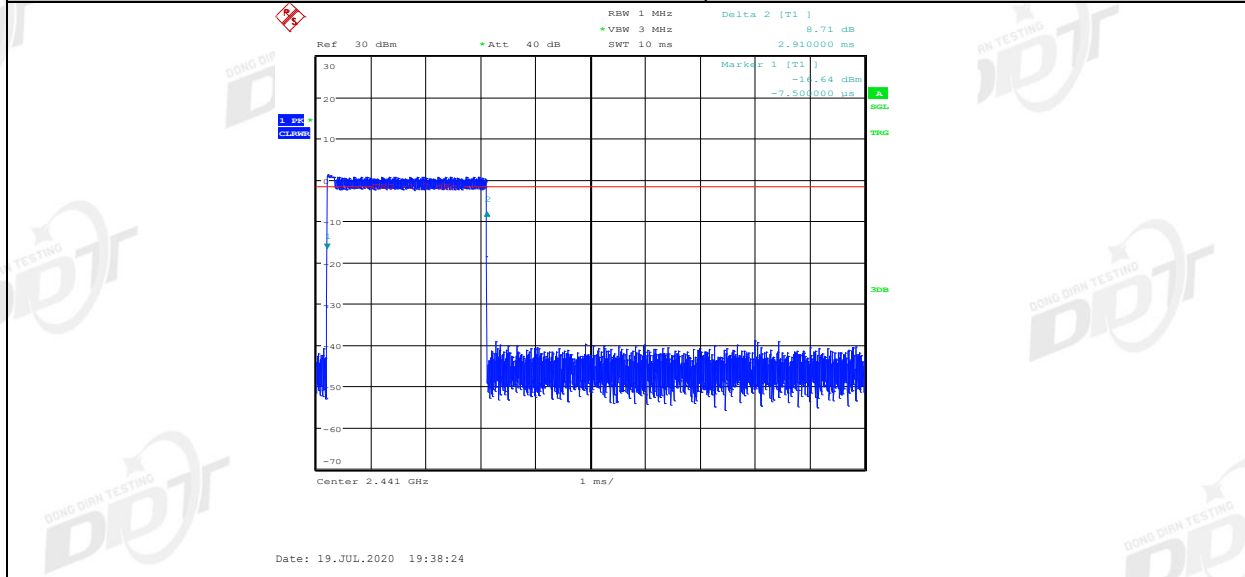
3DH1_Ant1_Hop

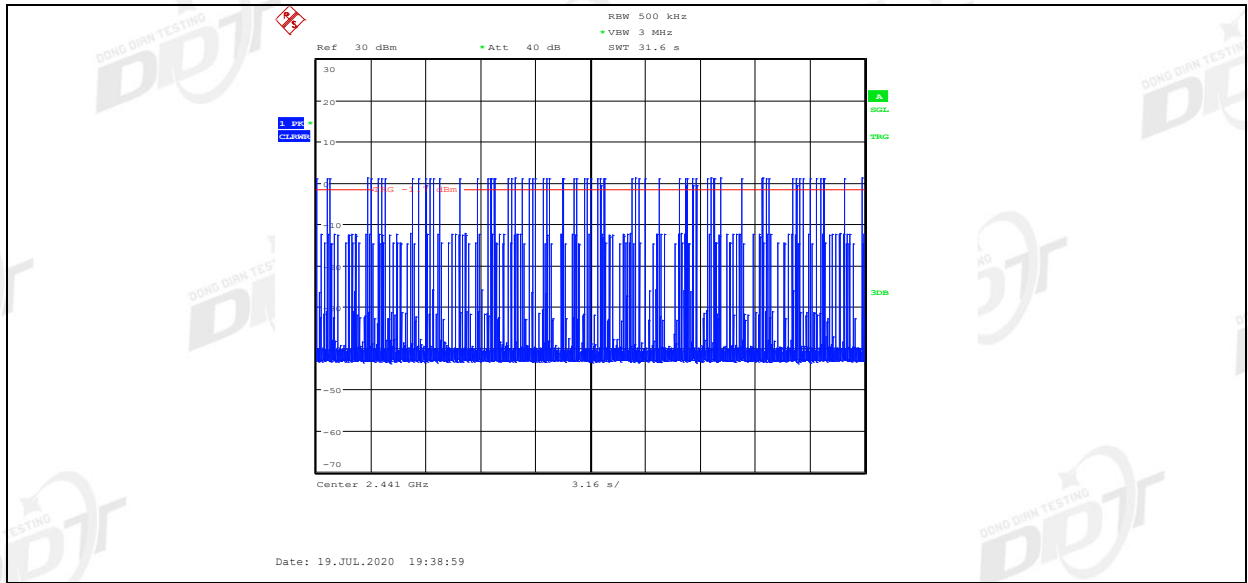


3DH3_Ant1_Hop



3DH5_Ant1_Hop





9. Band Edge Compliance (Conducted Method)

9.1. Block diagram of test setup

Same as section 4.1

9.2. Limit

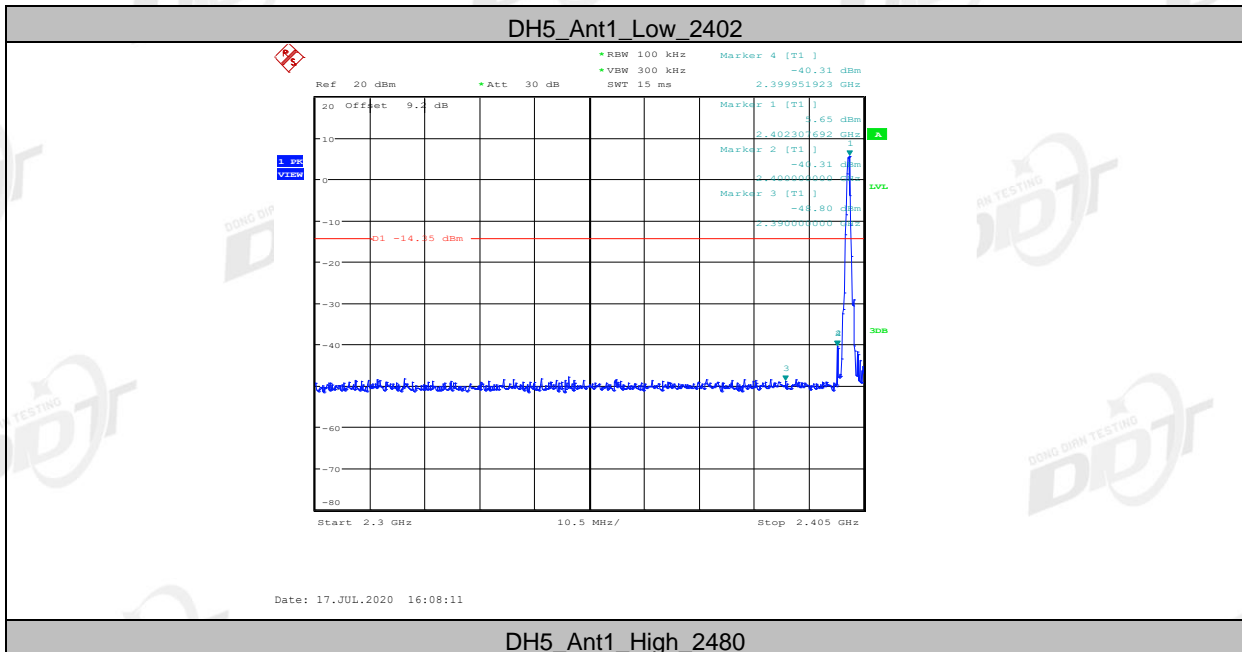
All restriction band should comply with 15.209, other emission should be at least 20dB below the fundamental.

9.3. Test result

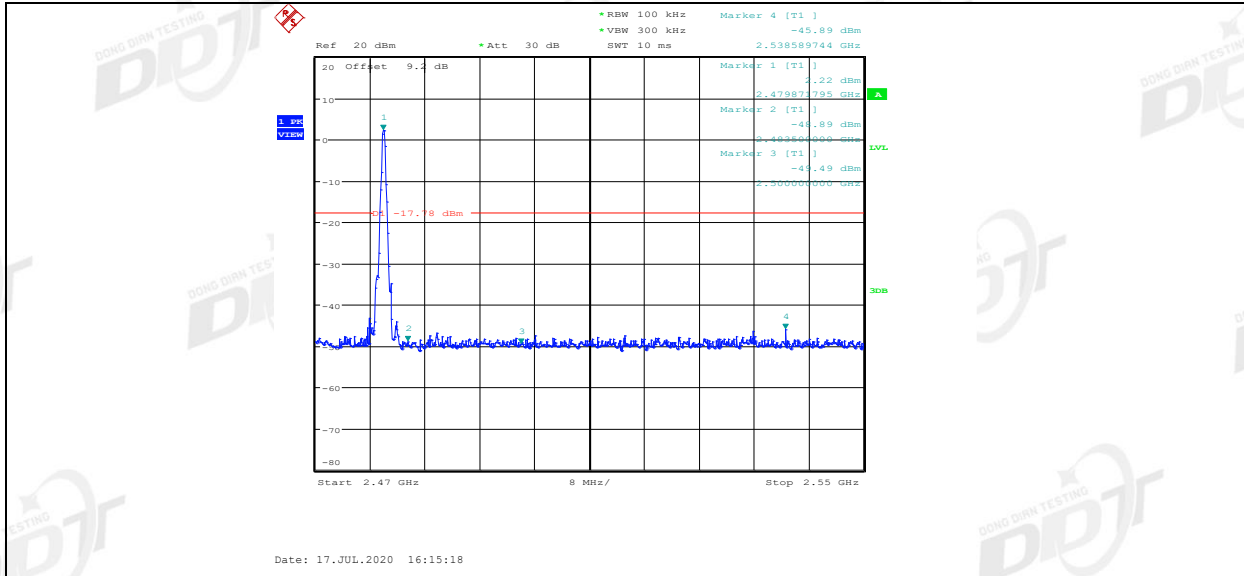
Mode	Freq. (MHz)	Verdict
GFSK	Hopping off 2402	Pass
	Hopping off 2480	Pass
	Hopping on	Pass
$\pi/4$ -DQPSK	Hopping off 2402	Pass
	Hopping off 2480	Pass
	Hopping on	Pass
8DPSK	Hopping off 2402	Pass
	Hopping off 2480	Pass
	Hopping on	Pass

9.4. Original test data

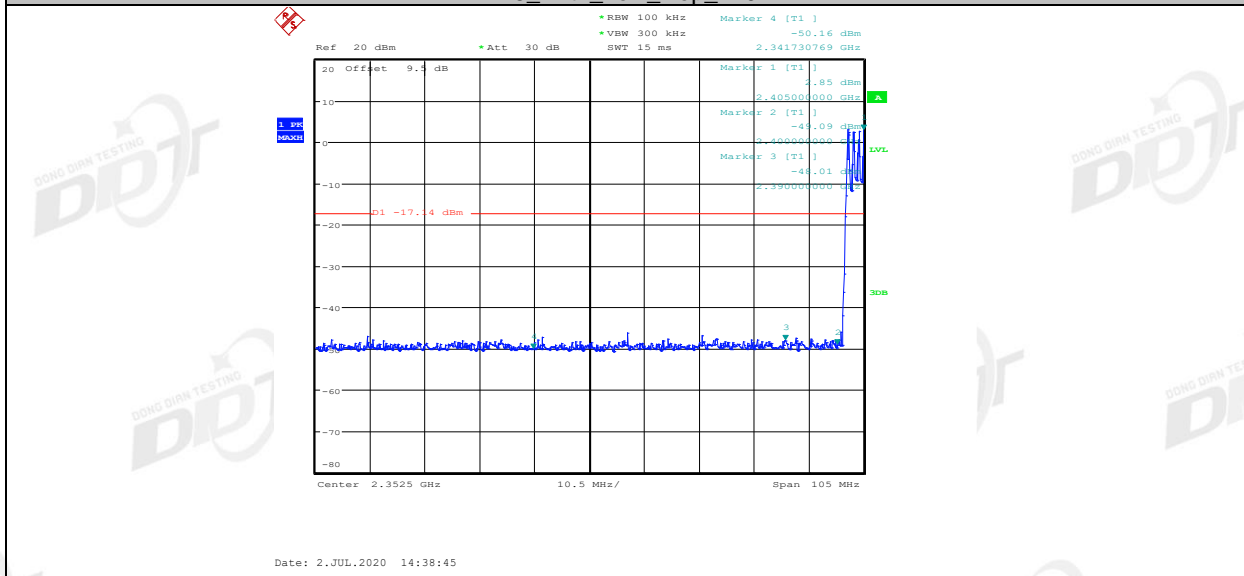
Left side:



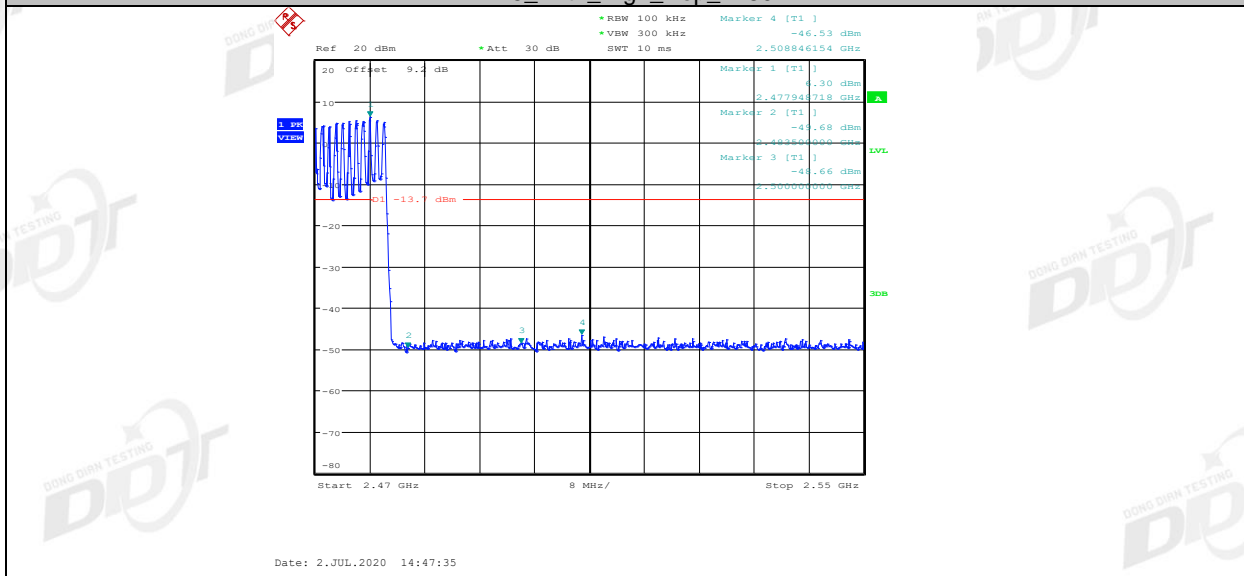
DH5_Ant1_High_2480



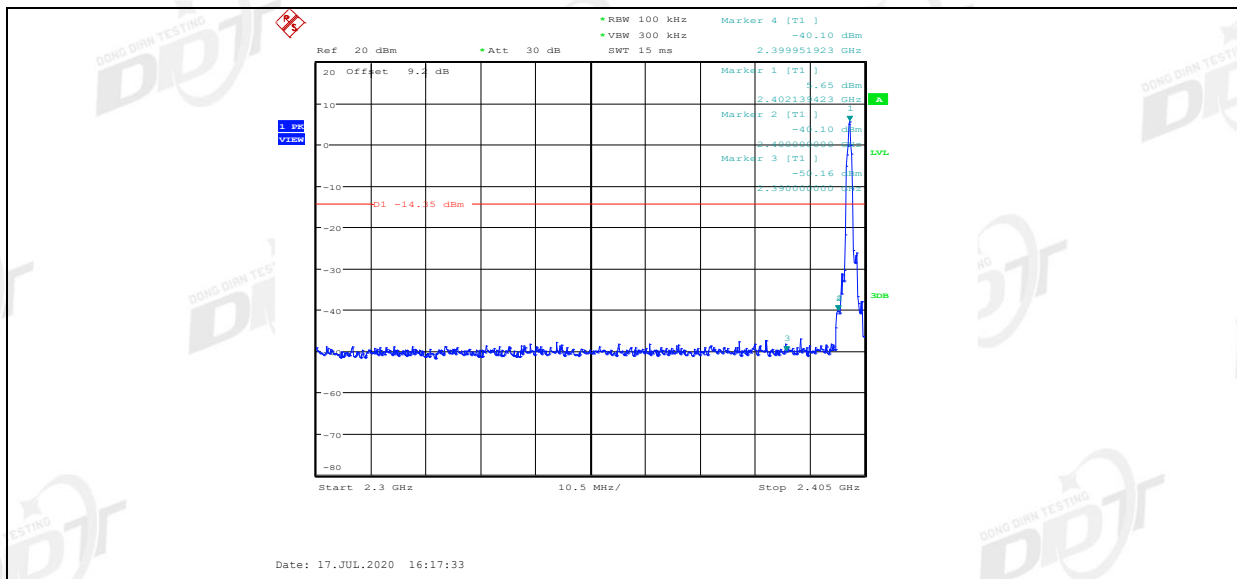
DH5_Ant1_Low_Hop_2402



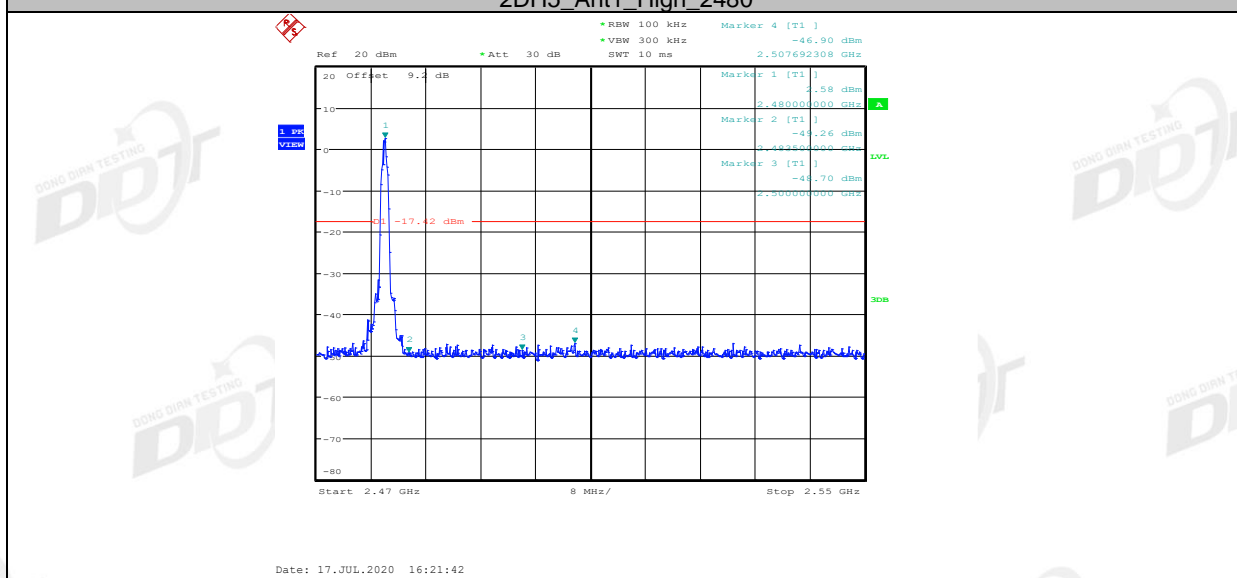
DH5_Ant1_High_Hop_2480



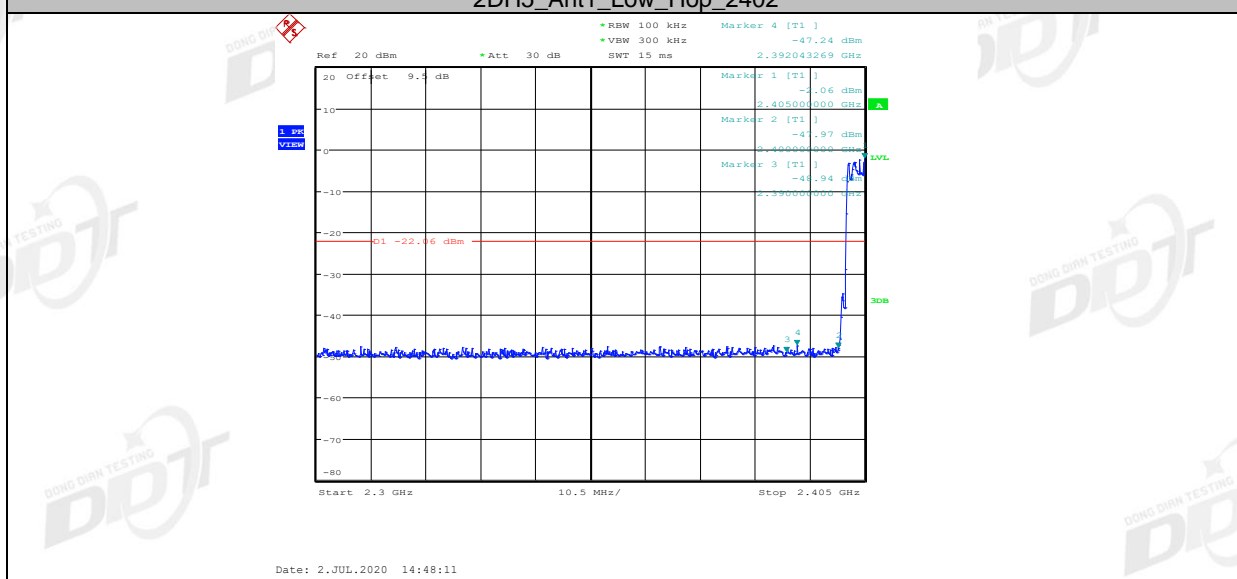
2DH5_Ant1_Low_2402



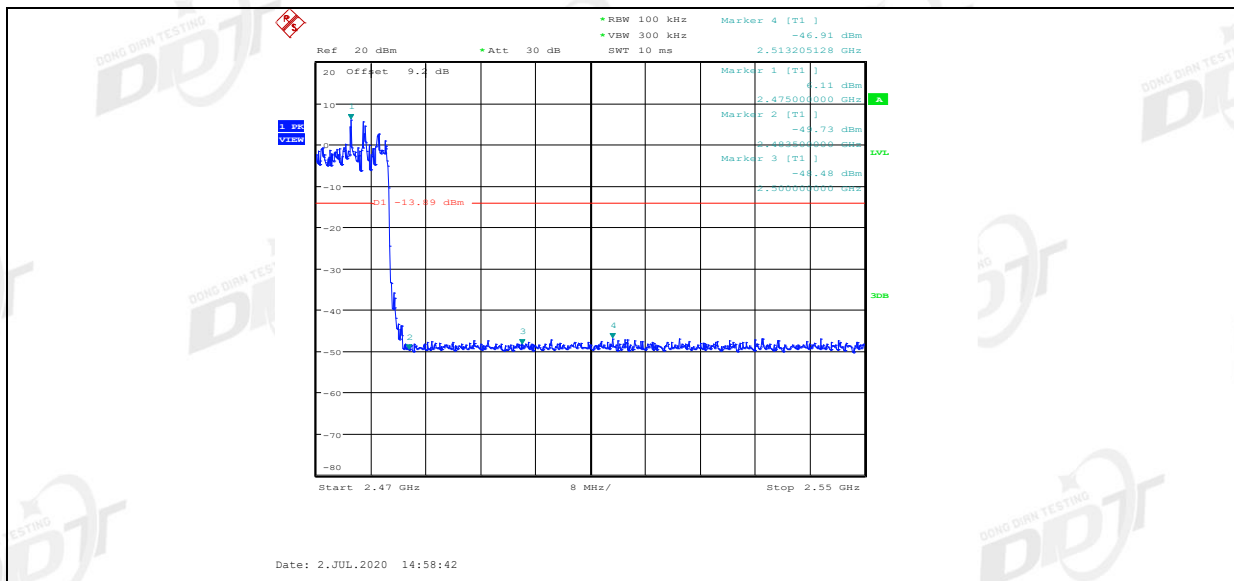
2DH5_Ant1_High_2480



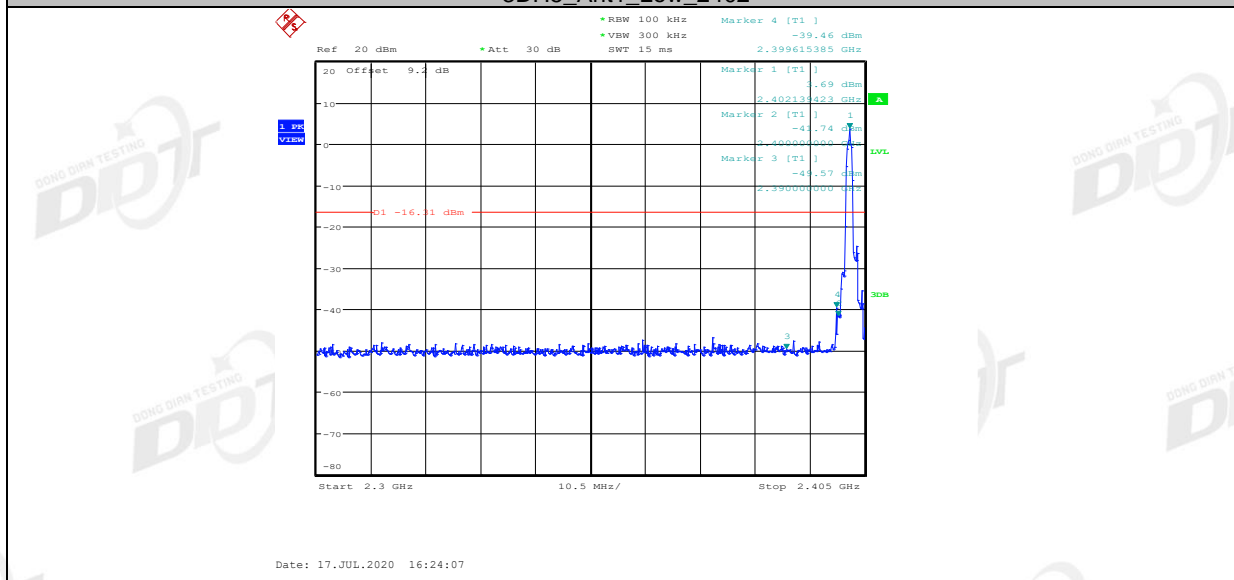
2DH5_Ant1_Low_Hop_2402



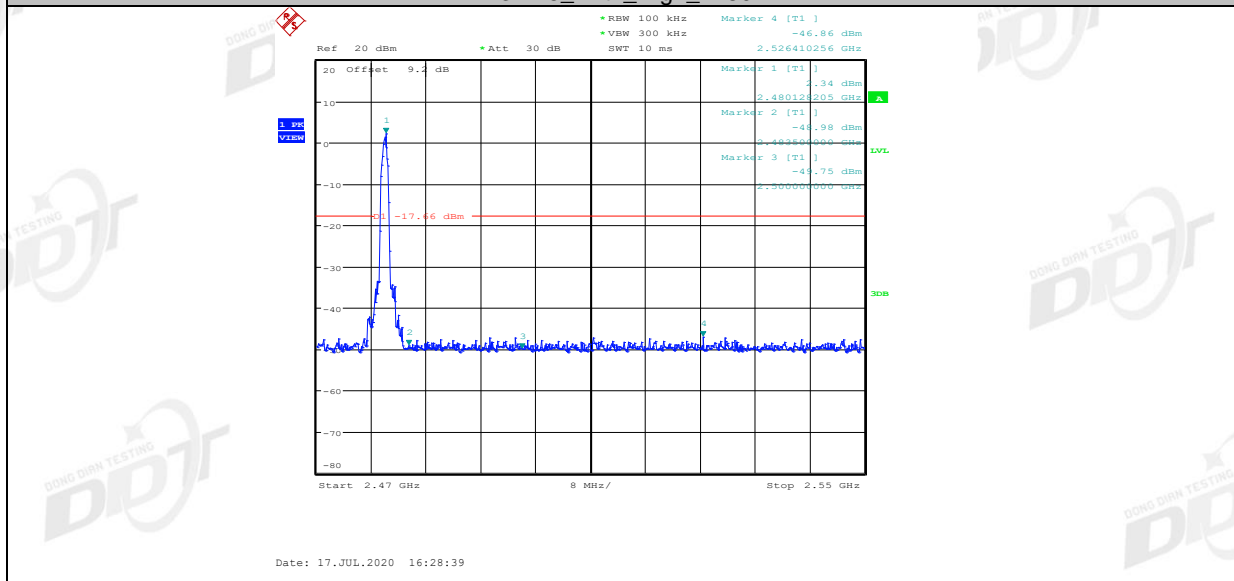
2DH5_Ant1_High_Hop_2480



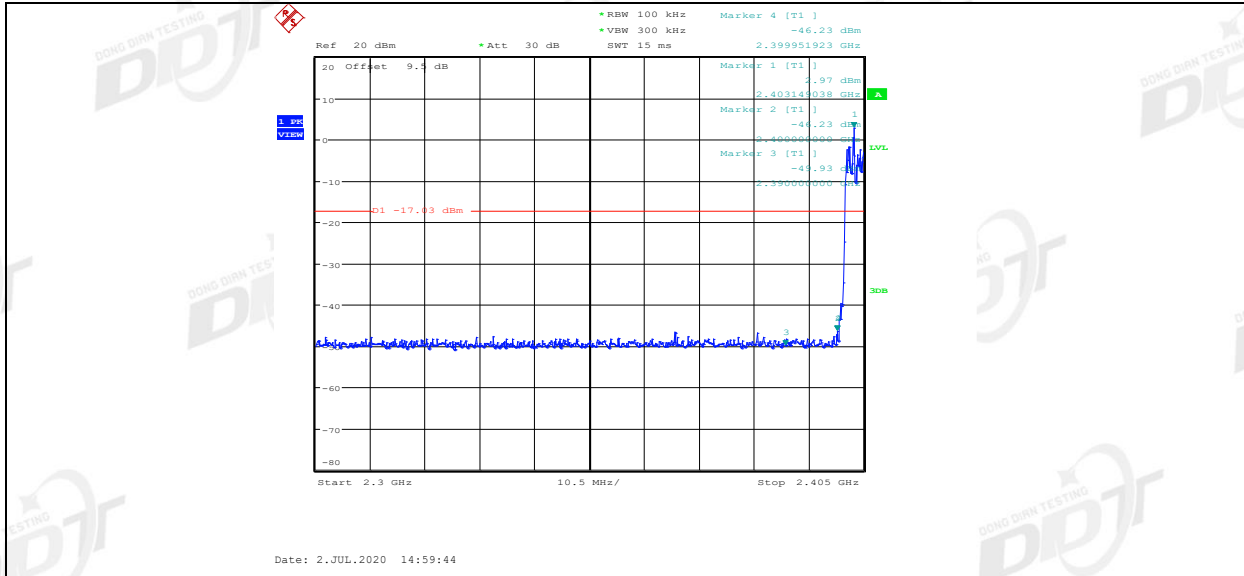
3DH5_Ant1_Low_2402



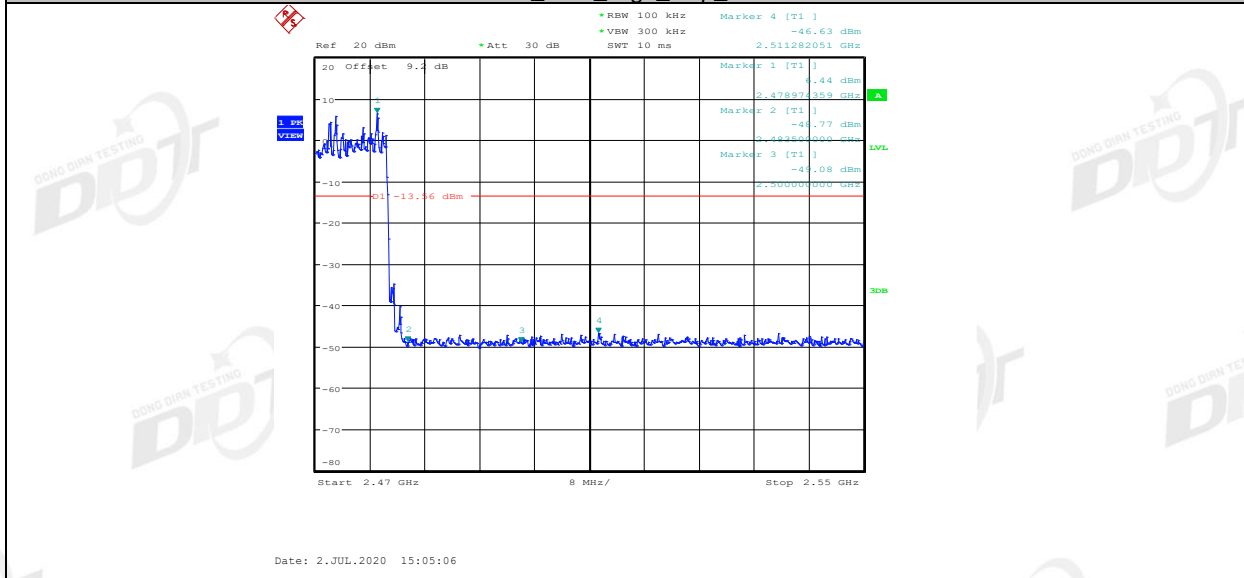
3DH5_Ant1_High_2480



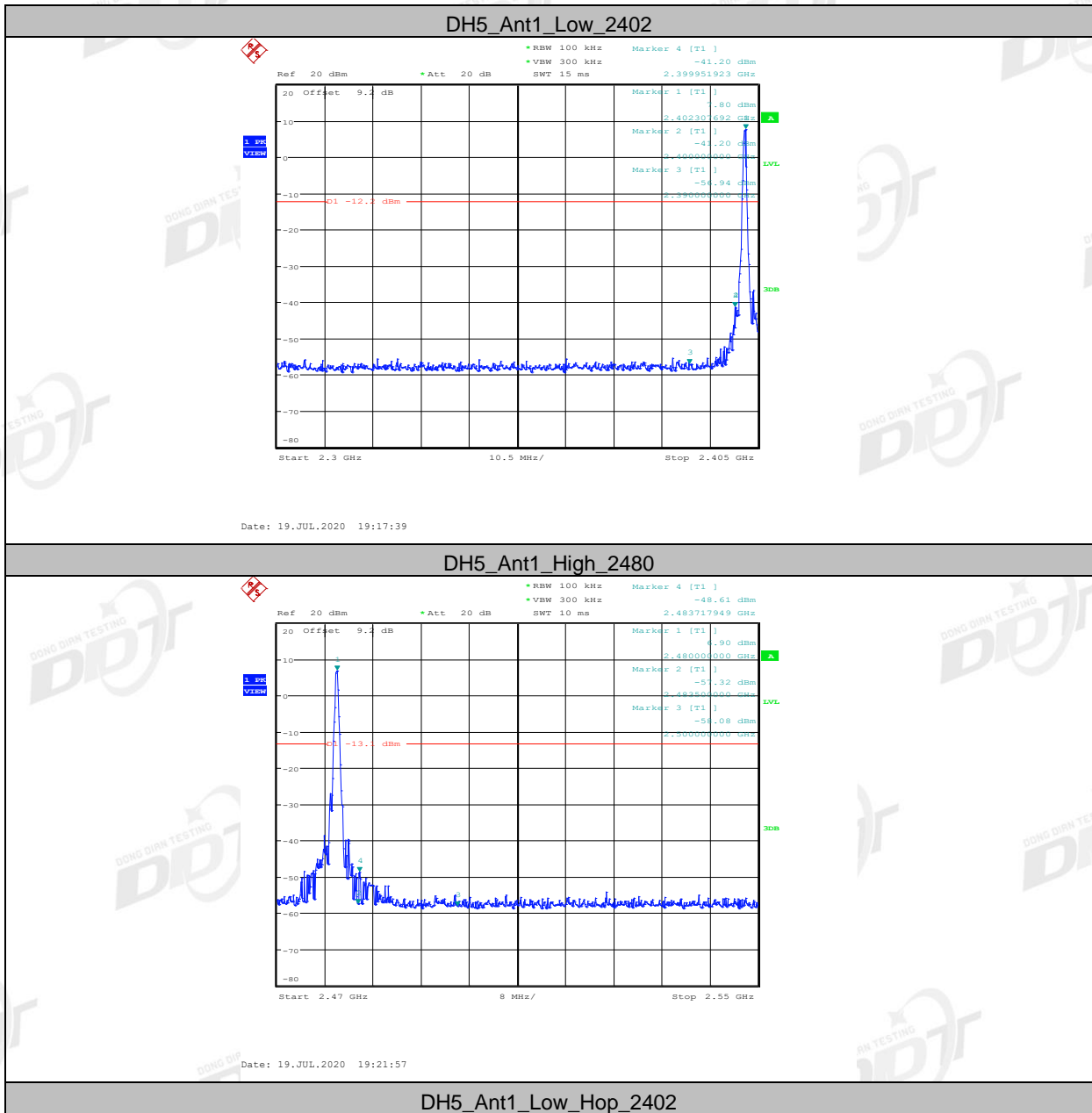
3DH5_Ant1_Low_Hop_2402

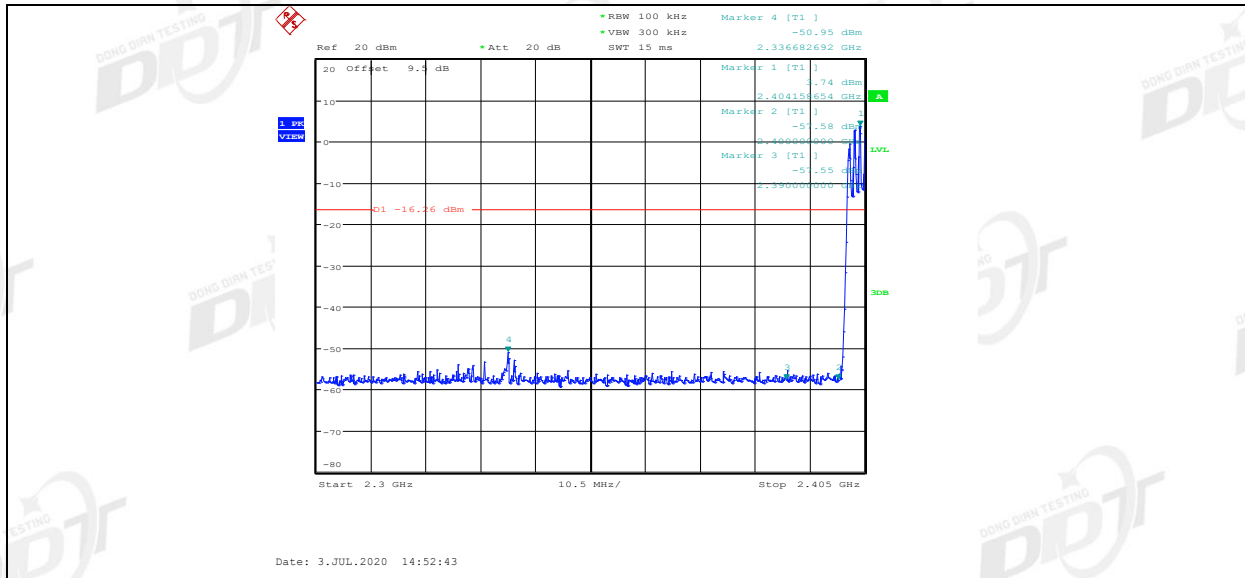


3DH5_Ant1_High_Hop_2480

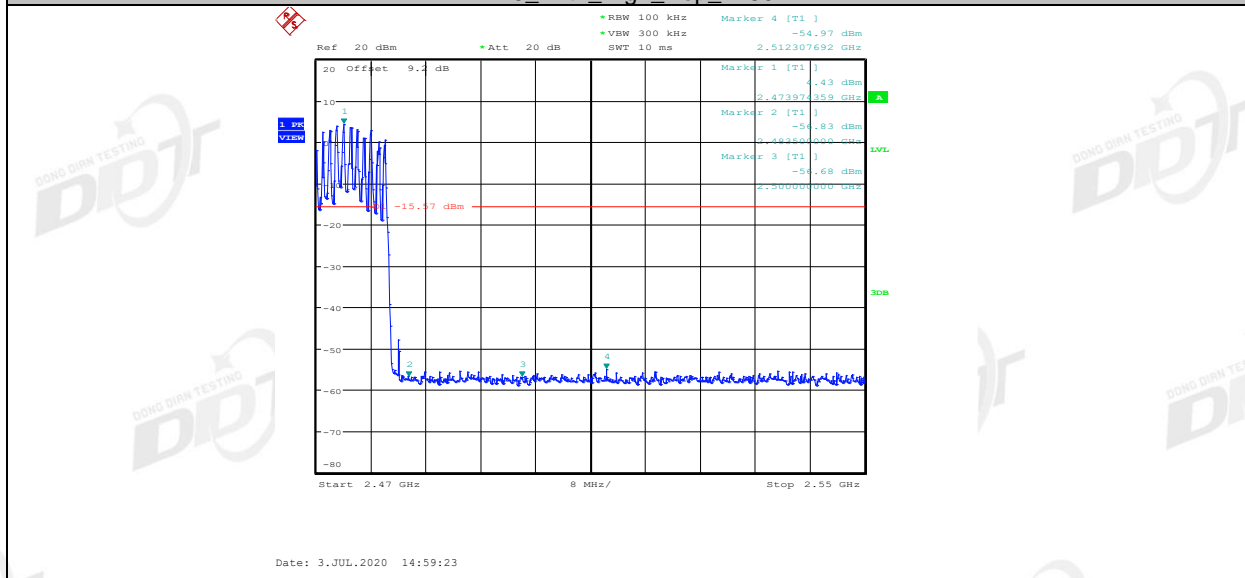


Right side:

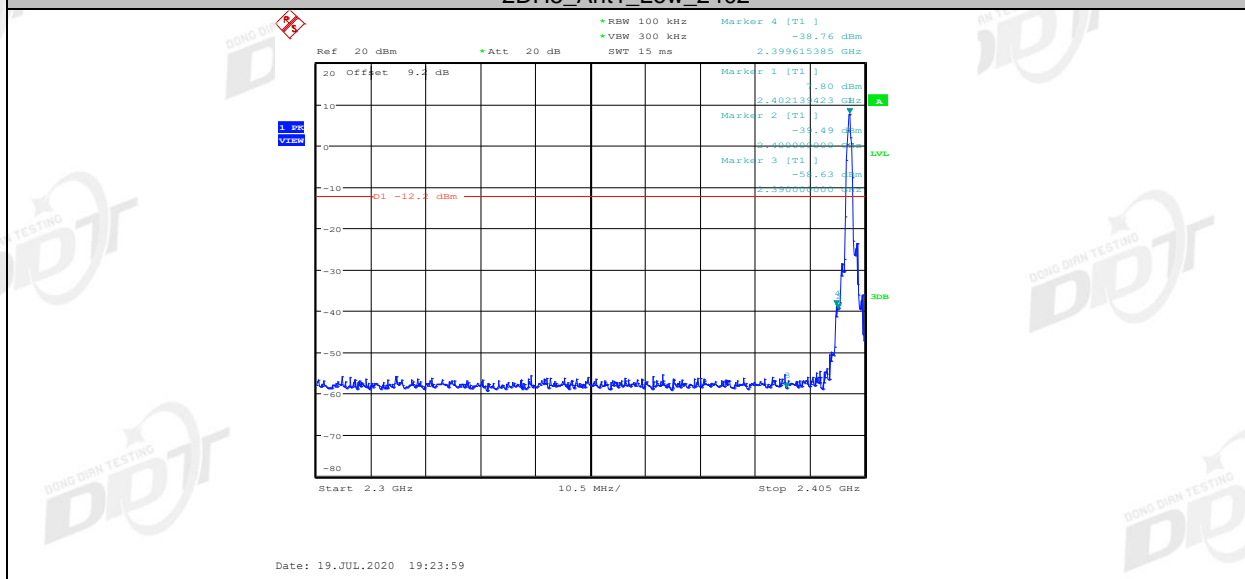




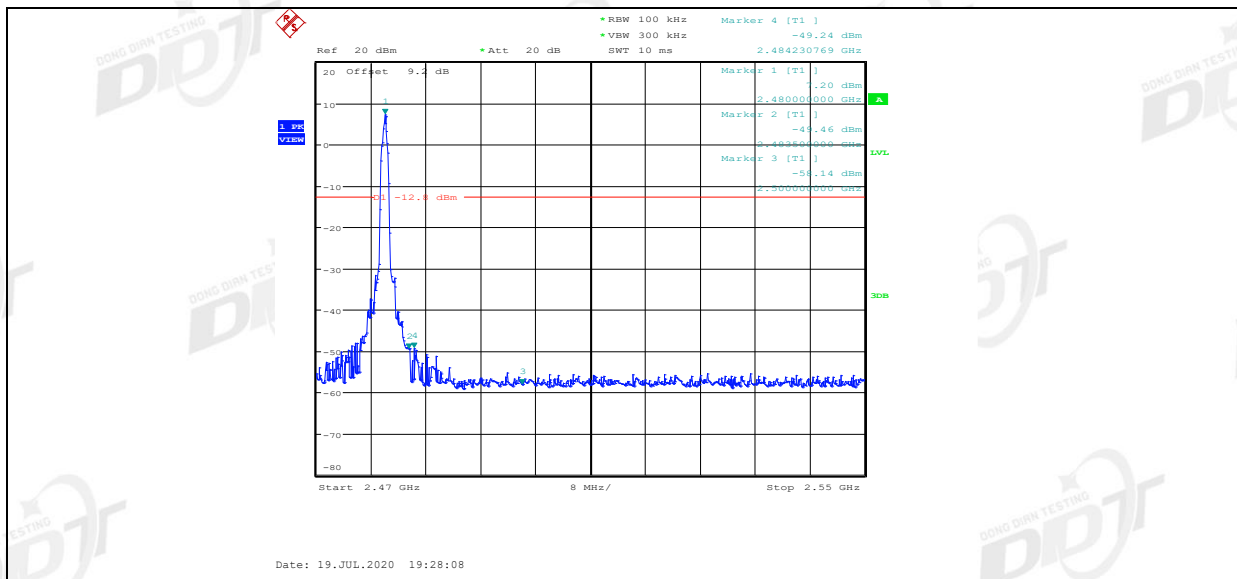
DH5_Ant1_High_Hop_2480



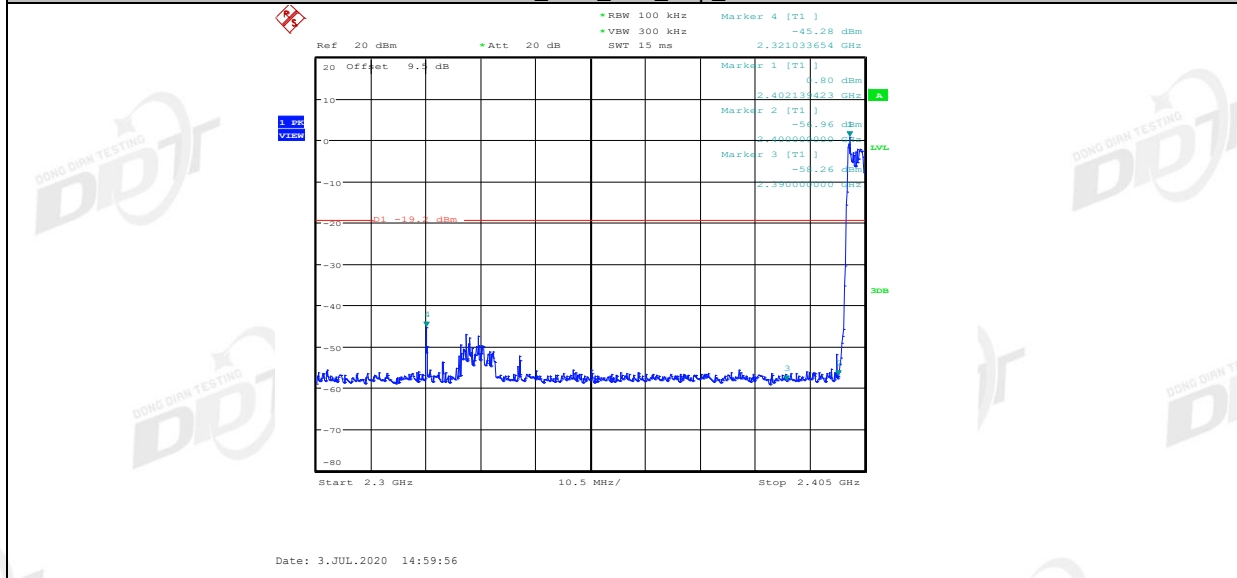
2DH5_Ant1_Low_2402



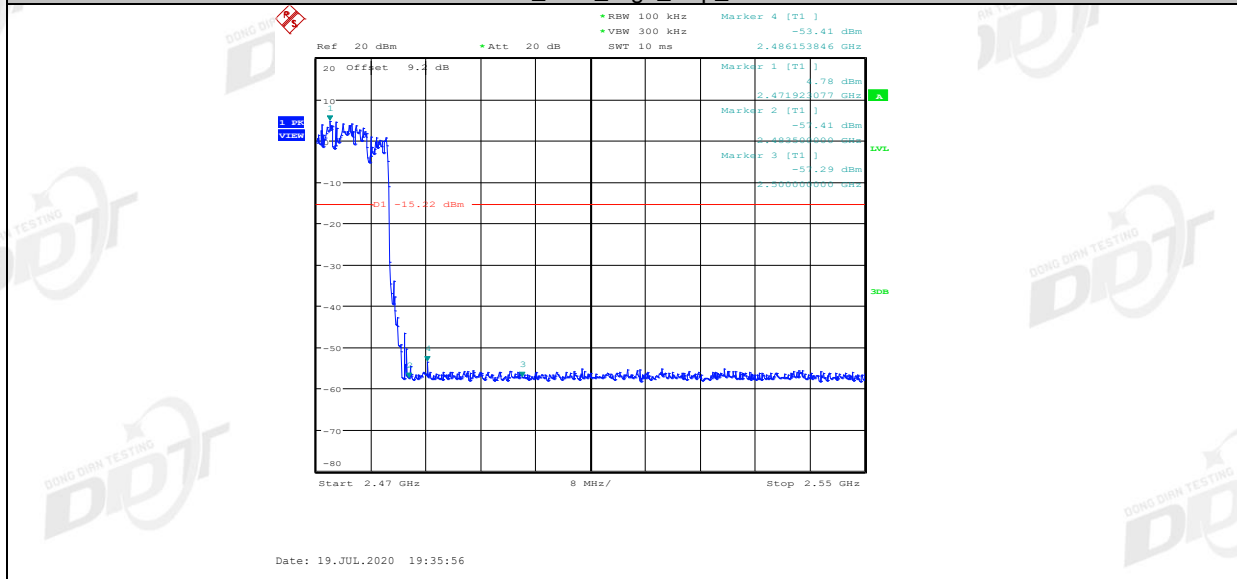
2DH5_Ant1_High_2480



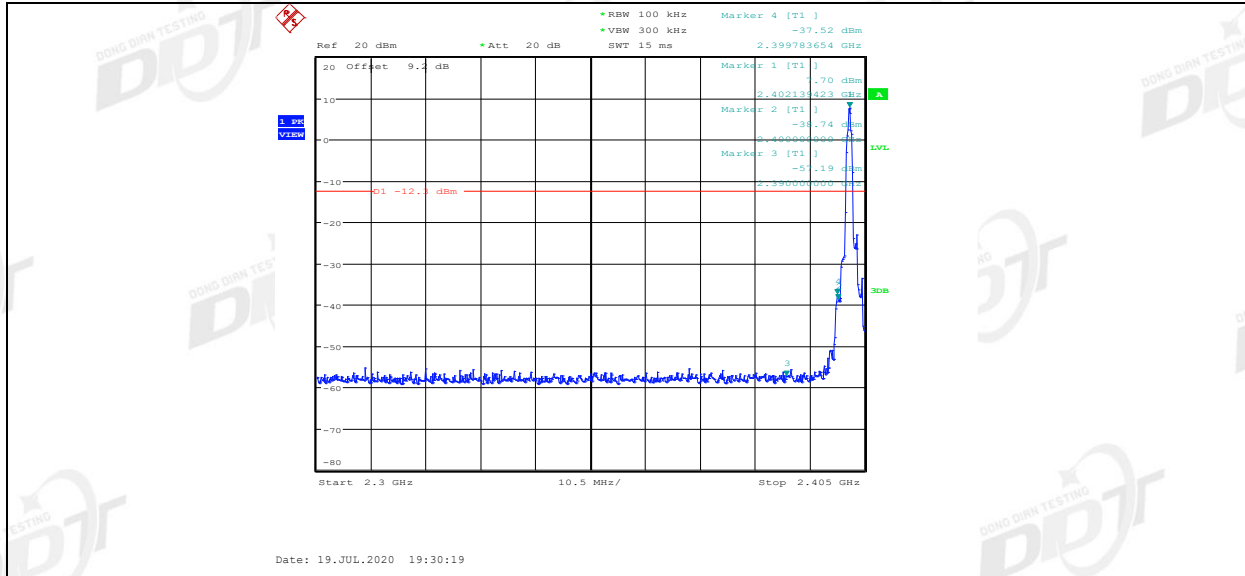
2DH5_Ant1_Low_Hop_2402



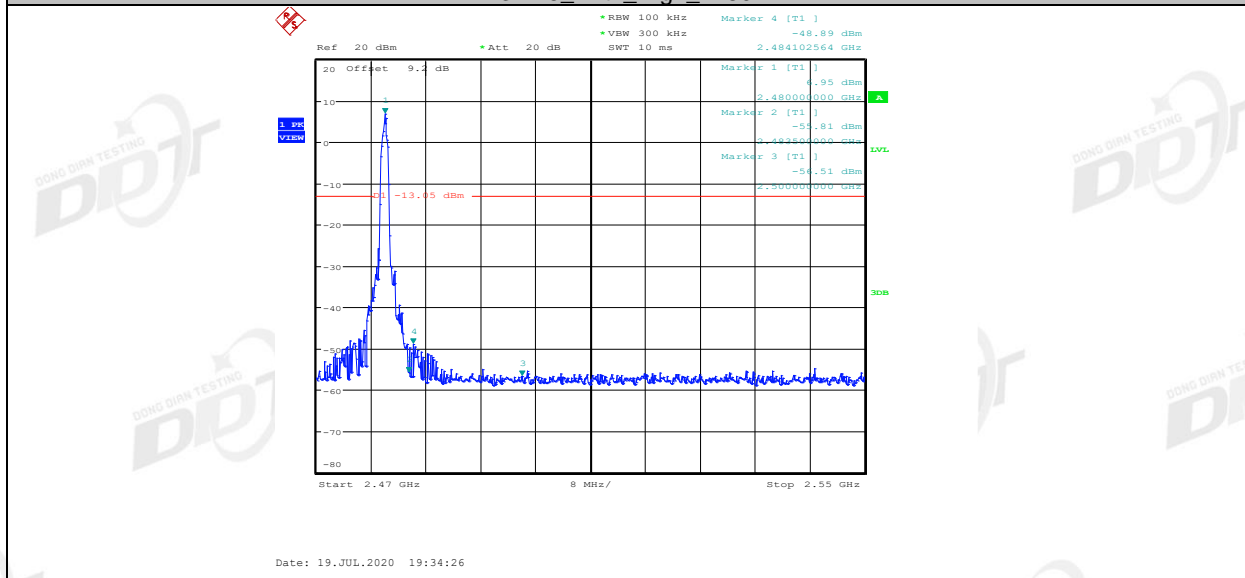
2DH5_Ant1_High_Hop_2480



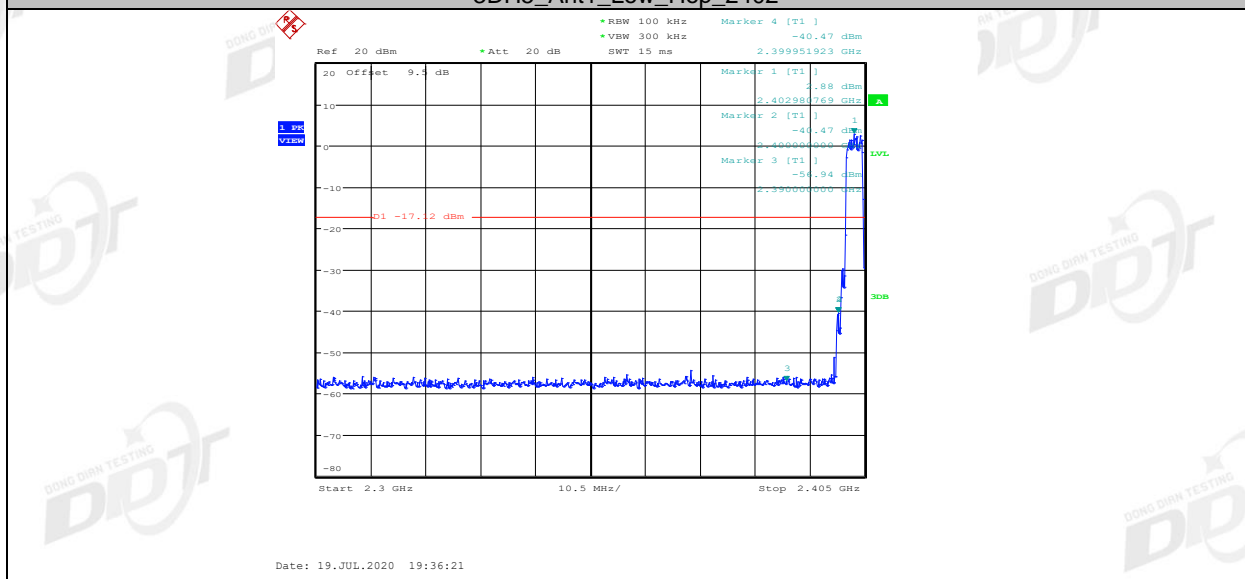
3DH5_Ant1_Low_2402



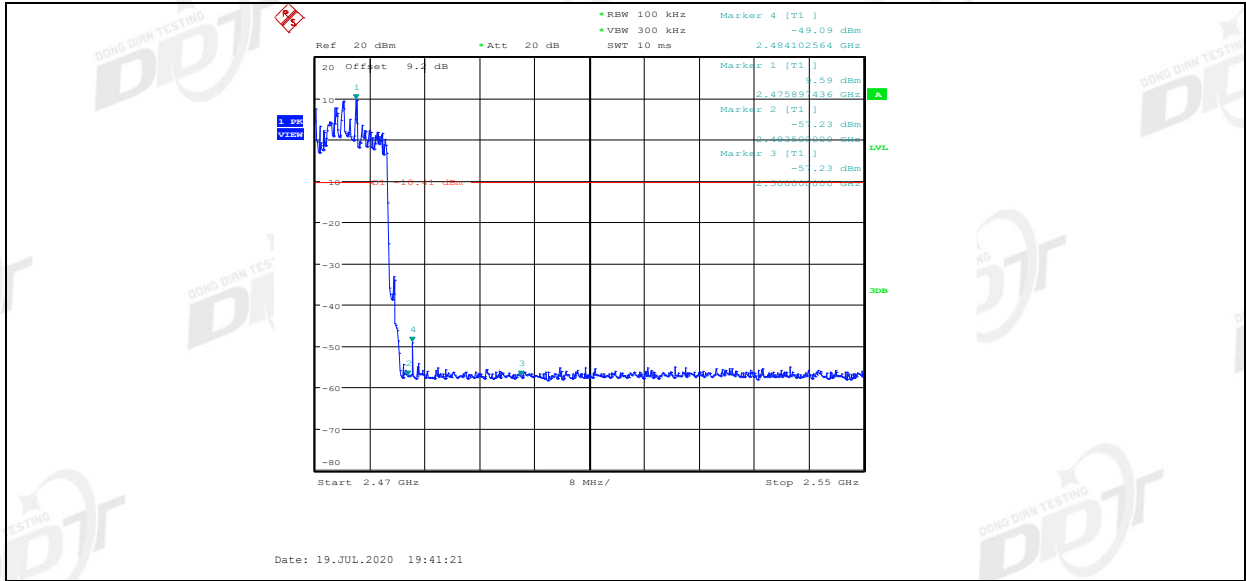
3DH5_Ant1_High_2480



3DH5_Ant1_Low_Hop_2402



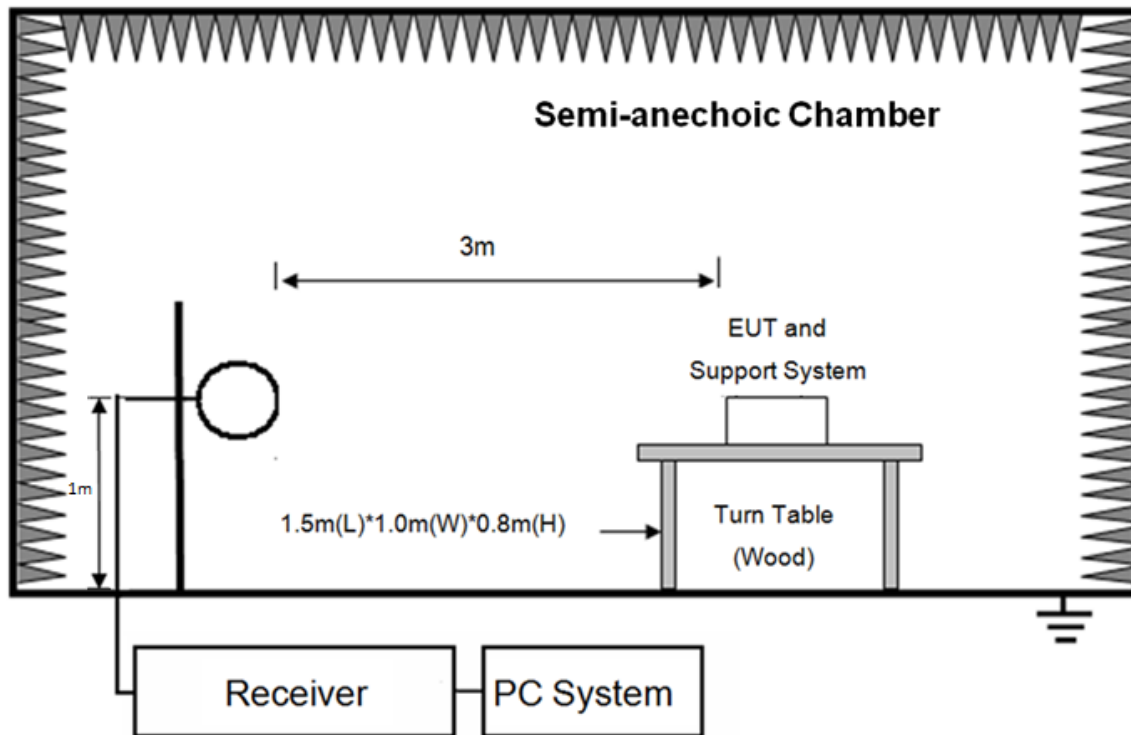
3DH5_Ant1_High_Hop_2480



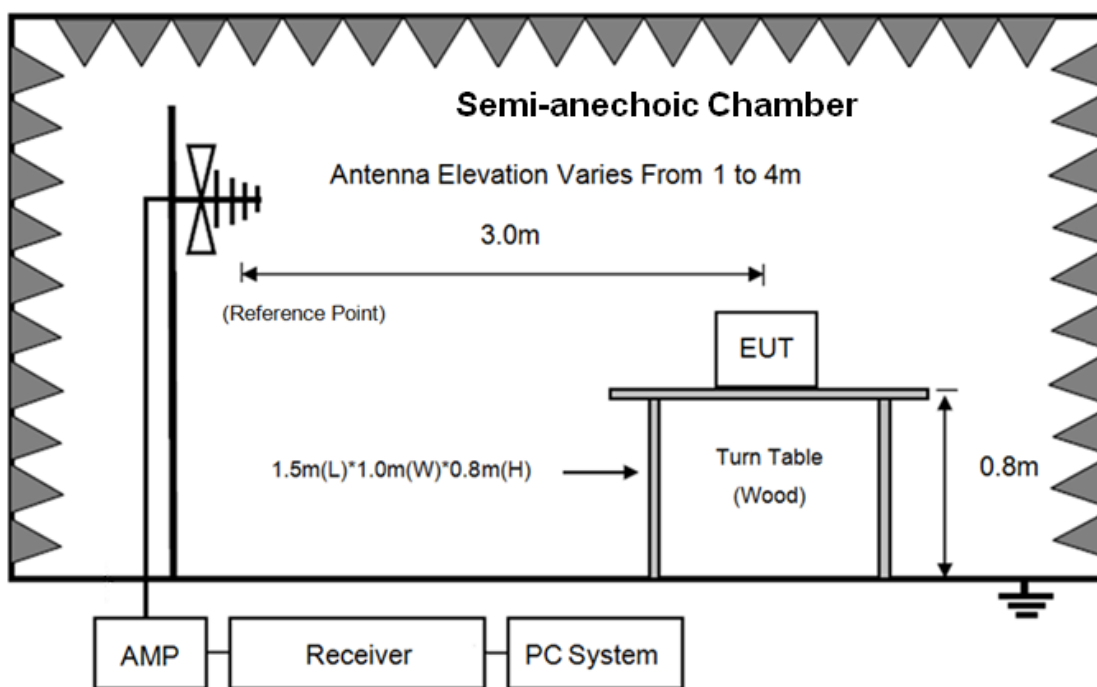
10. Radiated Emission

10.1. Block diagram of test setup

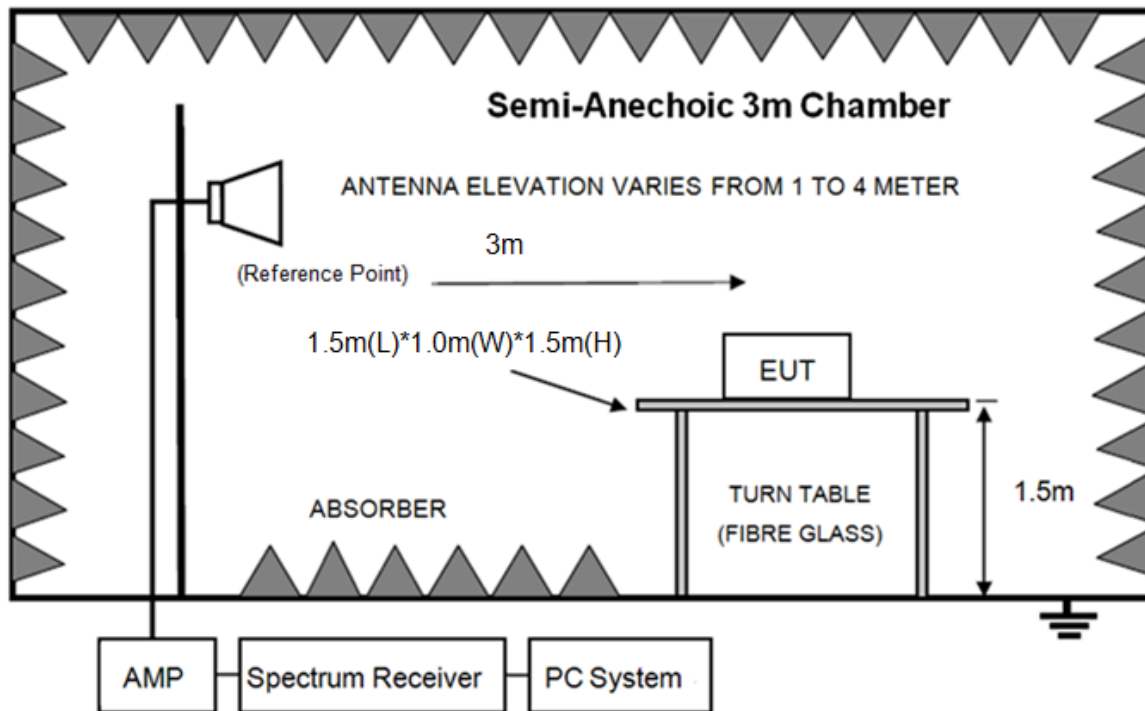
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz - 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

10.2. Limit

(1) FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.1775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.2075	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

(2) FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V}/\text{m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz and above 1000 MHz, radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30 MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

(3) Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20 dB below the fundamental emissions or comply with 15.209 limits.

10.3. Test Procedure

- (1) EUT was placed on a non-metallic table, 80 cm above the ground plane inside a semi-anechoic chamber for below 1G and 150 cm above the ground plane inside a fully-anechoic chamber for above 1G.
- (2) Test antenna was located 3 m from the EUT on an adjustable mast, and the antenna used as below table.

Test frequency range	Test antenna used	Test antenna distance
9 kHz - 30 MHz	Active Loop antenna	3 m
30 MHz - 1 GHz	Trilog Broadband Antenna	3 m
1 GHz - 18 GHz	Double Ridged Horn Antenna (1 GHz - 18 GHz)	3 m
18 GHz - 40 GHz	Horn Antenna (18 GHz - 40 GHz)	1 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also

is positioned with its plane horizontal at the specified distance from the EUT. The center of the loop is 1 m above the ground. For measurement above 30 MHz, the trilob Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1 m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18 GHz to 25 GHz, so below final test was performed with frequency range from 9 kHz to 18 GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipment and all of the interface cables were changed according to ANSI C63.10:2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9 - 90 kHz, 110 - 490 kHz, for emissions from 9 kHz - 90 kHz, 110 kHz - 490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW.

Frequency band	RBW
9 kHz - 150 kHz	200 Hz
150 kHz - 30 MHz	9 kHz
30 MHz - 1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; According ANSI C63.10:2013 clause 4.1.4.2.2 procedure for average measure.

(8) X axis, Y axis, Z axis are tested, and worse setup X axis is reported.

10.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limits.

Note1: According exploratory test, the emission levels are 20 dB below the limit detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in right side $\pi/4$ -DQPSK, Tx 2441 MHz mode.

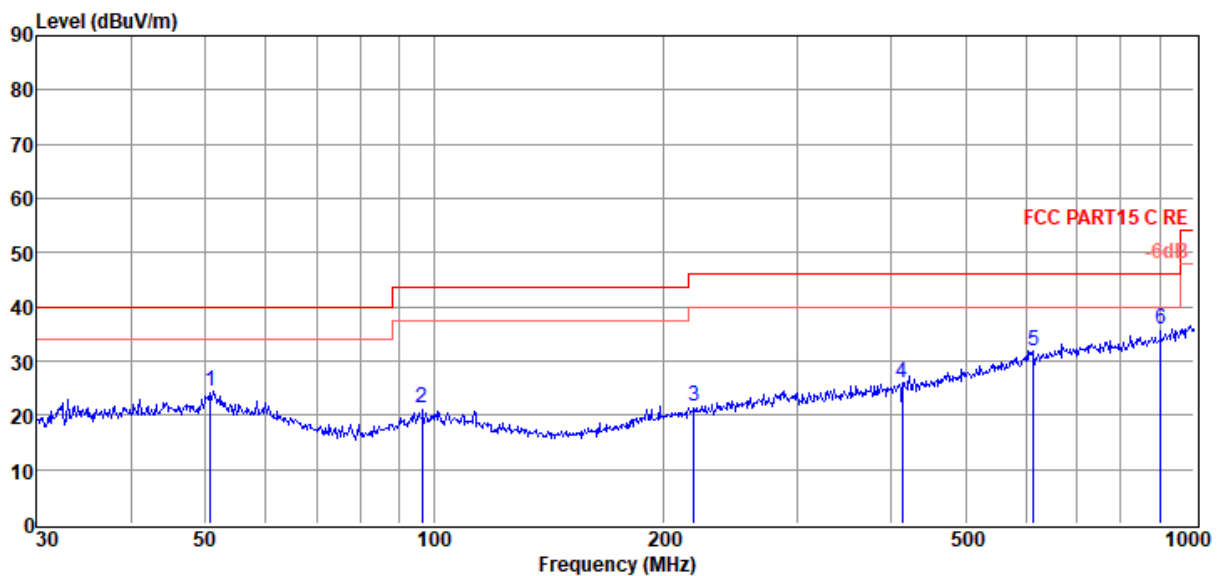
Note3: For emissions above 1 GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

Radiated Emission test (below 1 GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#
Test Date : 2020-07-16
EUT : BLUETOOTH HEADSET
Power Supply : Battery
Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa
Memo :

D:\2020 RE 1# Report data\Q20053003-1E\FCC BELOW1G.EM6
Tested By : Ella
Model Number : FREEII
Test Mode : Tx mode
Antenna/Distance : 2019 VULB 9163 1#/3m/VERTICAL



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	50.76	6.33	14.10	4.00	24.43	40.00	-15.57	QP	VERTICAL
2	96.44	5.36	11.56	4.38	21.30	43.50	-22.20	QP	VERTICAL
3	219.85	4.58	12.03	5.14	21.75	46.00	-24.25	QP	VERTICAL
4	413.27	4.43	15.58	6.02	26.03	46.00	-19.97	QP	VERTICAL
5	614.21	5.67	19.31	6.79	31.77	46.00	-14.23	QP	VERTICAL
6	903.31	6.29	21.83	7.70	35.82	46.00	-10.18	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 1#

D:\2020 RE 1# Report data\Q20053003-1\FCC BELOW1G.EM6

Test Date : 2020-07-16

Tested By : Ella

EUT : BLUETOOTH HEADSET

Model Number : FREEII

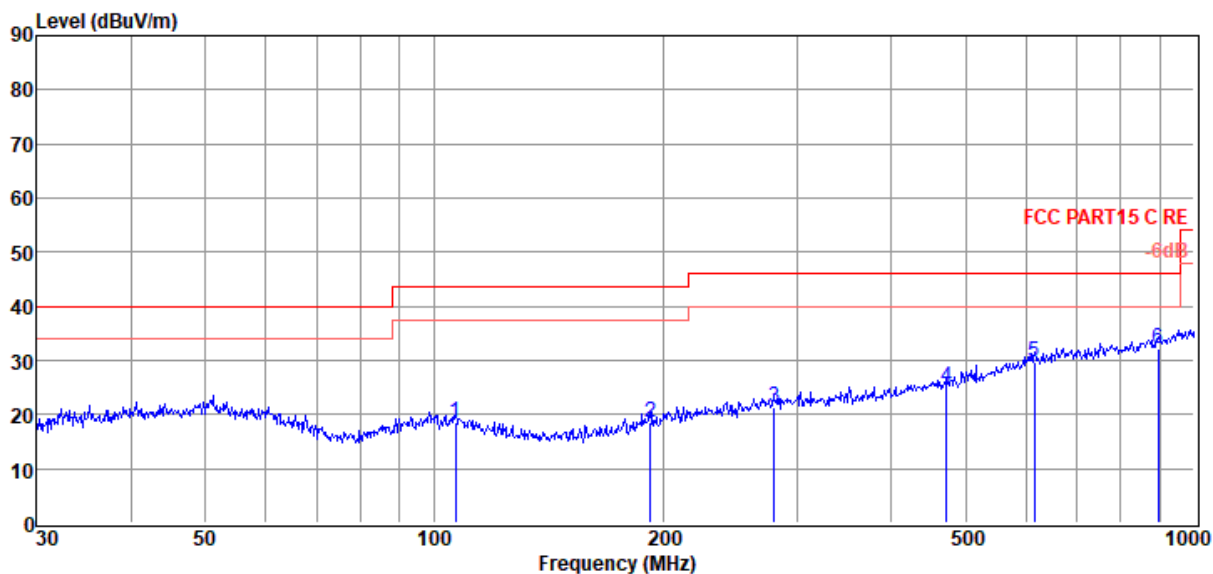
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2019 VULB 9163 1#/3m/HORIZONTAL

Memo :



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss (dB)	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	106.76	2.62	11.49	4.46	18.57	43.50	-24.93	QP	HORIZONTAL
2	192.42	2.25	11.17	4.99	18.41	43.50	-25.09	QP	HORIZONTAL
3	280.02	2.29	13.64	5.43	21.36	46.00	-24.64	QP	HORIZONTAL
4	472.18	2.09	16.71	6.24	25.04	46.00	-20.96	QP	HORIZONTAL
5	616.37	3.43	19.32	6.80	29.55	46.00	-16.45	QP	HORIZONTAL
6	897.00	2.73	21.77	7.68	32.18	46.00	-13.82	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

Radiated Emission test (above 1 GHz)

Freq. (MHz)	Read level (dB μ V)	Antenna Factor (dB/m)	PRM Factor (dB)	Cable Loss (dB)	Result Level (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Detector type	Polarization
Tx mode 2402 MHz									
3601.00	54.71	29.56	43.68	5.26	45.85	74.00	-28.15	Peak	VERTICAL
4804.00	64.05	32.23	43.48	6.16	58.96	74.00	-15.04	Peak	VERTICAL
4804.00	53.38	32.23	43.48	6.16	48.29	54.00	-5.71	Average	VERTICAL
8429.00	42.59	37.74	42.71	8.65	46.27	74.00	-27.73	Peak	VERTICAL
11370.00	41.93	39.88	42.33	9.76	49.24	74.00	-24.76	Peak	VERTICAL
13461.00	41.94	40.25	40.81	10.80	52.18	74.00	-21.82	Peak	VERTICAL
15076.00	41.10	39.85	40.19	11.64	52.40	74.00	-21.60	Peak	VERTICAL
4804.00	63.92	32.23	43.48	6.16	58.83	74.00	-15.17	Peak	VERTICAL
4804.00	50.99	32.23	43.48	6.16	45.90	54.00	-8.10	Average	VERTICAL
6525.00	43.92	35.38	43.01	7.28	43.57	74.00	-30.43	Peak	VERTICAL
8429.00	42.42	37.74	42.71	8.65	46.10	74.00	-27.90	Peak	VERTICAL
9908.00	41.79	39.43	42.42	9.31	48.11	74.00	-25.89	Peak	VERTICAL
11965.00	42.73	39.14	42.30	10.51	50.08	74.00	-23.92	Peak	VERTICAL
14940.00	41.94	40.10	40.20	11.61	53.45	74.00	-20.55	Peak	VERTICAL
Tx mode 2441 MHz									
3669.00	50.34	29.74	43.70	5.34	41.72	74.00	-32.28	Peak	HORIZONTAL
4882.00	55.99	32.33	43.46	6.20	51.06	74.00	-22.94	Peak	HORIZONTAL
7919.00	45.29	37.89	42.81	8.60	48.97	74.00	-25.03	Peak	HORIZONTAL
10010.00	45.55	39.51	42.40	9.38	52.04	74.00	-21.96	Peak	HORIZONTAL
12679.00	44.37	38.96	41.59	10.65	52.39	74.00	-21.61	Peak	HORIZONTAL
15076.00	42.16	39.85	40.19	11.64	53.46	74.00	-20.54	Peak	HORIZONTAL
4882.00	55.76	32.33	43.46	6.20	50.83	74.00	-23.17	Peak	VERTICAL
7528.00	43.97	37.34	42.86	8.16	46.61	74.00	-27.39	Peak	VERTICAL
9636.00	43.57	39.21	42.47	9.10	49.41	74.00	-24.59	Peak	VERTICAL
12645.00	45.01	38.89	41.62	10.64	52.92	74.00	-21.08	Peak	VERTICAL
14056.00	42.47	40.89	40.29	10.97	54.04	74.00	-19.96	Peak	VERTICAL
14056.00	38.30	40.89	40.29	10.97	49.87	54.00	-4.13	Average	VERTICAL
15909.00	42.71	38.51	40.11	11.53	52.64	74.00	-21.36	Peak	VERTICAL
Tx mode 2480 MHz									
3720.00	47.72	29.87	43.72	5.39	39.26	74.00	-34.74	Peak	HORIZONTAL
4960.00	50.50	32.44	43.43	6.25	45.76	74.00	-28.24	Peak	HORIZONTAL
7409.00	44.87	37.25	42.88	8.02	47.26	74.00	-26.74	Peak	HORIZONTAL
10010.00	44.82	39.51	42.40	9.38	51.31	74.00	-22.69	Peak	HORIZONTAL
12101.00	45.13	39.00	42.19	10.56	52.50	74.00	-21.50	Peak	HORIZONTAL
15909.00	43.05	38.51	40.11	11.53	52.98	74.00	-21.02	Peak	HORIZONTAL
4960.00	47.43	32.44	43.43	6.25	42.69	74.00	-31.31	Peak	HORIZONTAL
8259.00	44.21	37.84	42.74	8.67	47.98	74.00	-26.02	Peak	HORIZONTAL
10010.00	43.80	39.51	42.40	9.38	50.29	74.00	-23.71	Peak	HORIZONTAL
12135.00	45.12	38.97	42.15	10.57	52.51	74.00	-21.49	Peak	HORIZONTAL
14396.00	41.55	40.82	40.26	11.22	53.33	74.00	-20.67	Peak	HORIZONTAL
15620.00	42.16	38.86	40.14	11.57	52.45	74.00	-21.55	Peak	HORIZONTAL
Verdict: Pass									

Note: 1. 30 MHz ~ 25 GHz: (Scan with all side GFSK, $\pi/4$ -DQPSK, 8DPSK, the worst case is right side)

$\pi/4$ -DQPSK Mode)

2. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

3. For emissions above 1GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

11. RF Conducted Spurious Emissions

11.1. Block diagram of test setup

Same as section 4.1

11.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum 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.

11.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{span}/\text{RBW}$
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

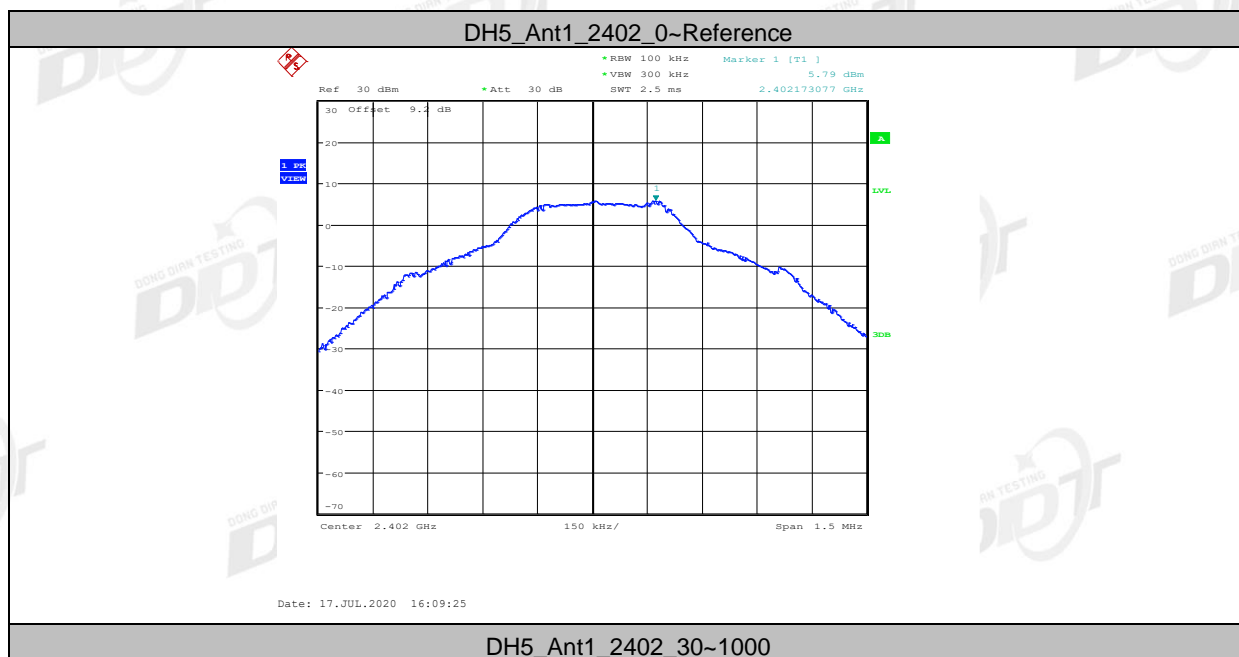
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

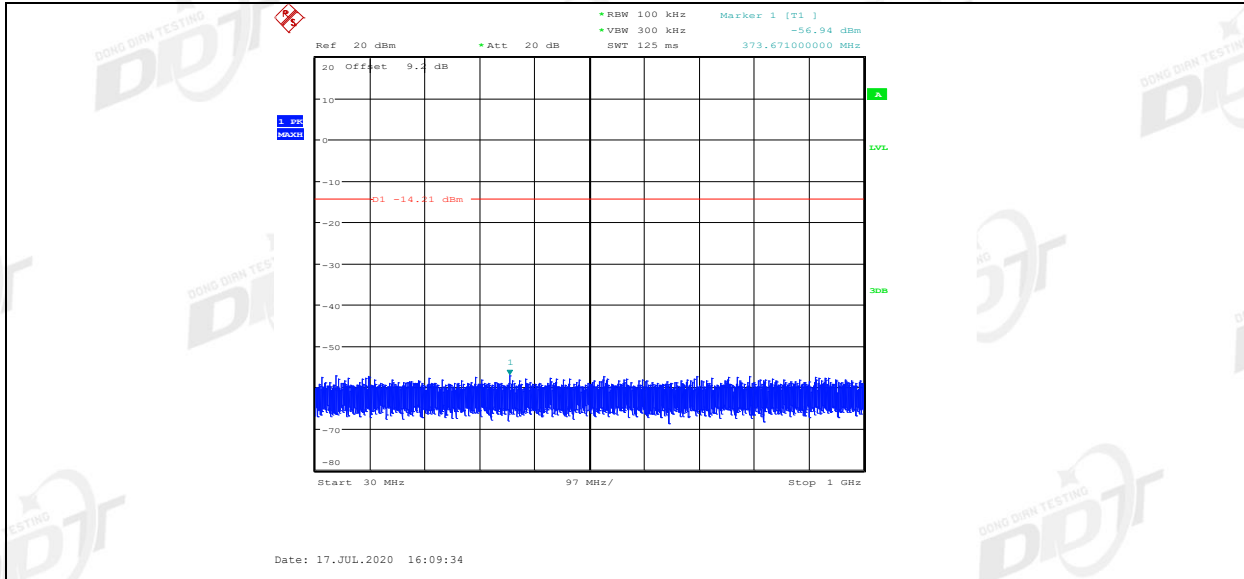
11.4. Test result

Mode	Freq. (MHz)	Verdict
GFSK	Hopping off 2402	Pass
	Hopping off 2441	Pass
	Hopping off 2480	Pass
$\pi/4$ -DQPSK	Hopping off 2402	Pass
	Hopping off 2441	Pass
	Hopping off 2480	Pass
8DPSK	Hopping off 2402	Pass
	Hopping off 2441	Pass
	Hopping off 2480	Pass

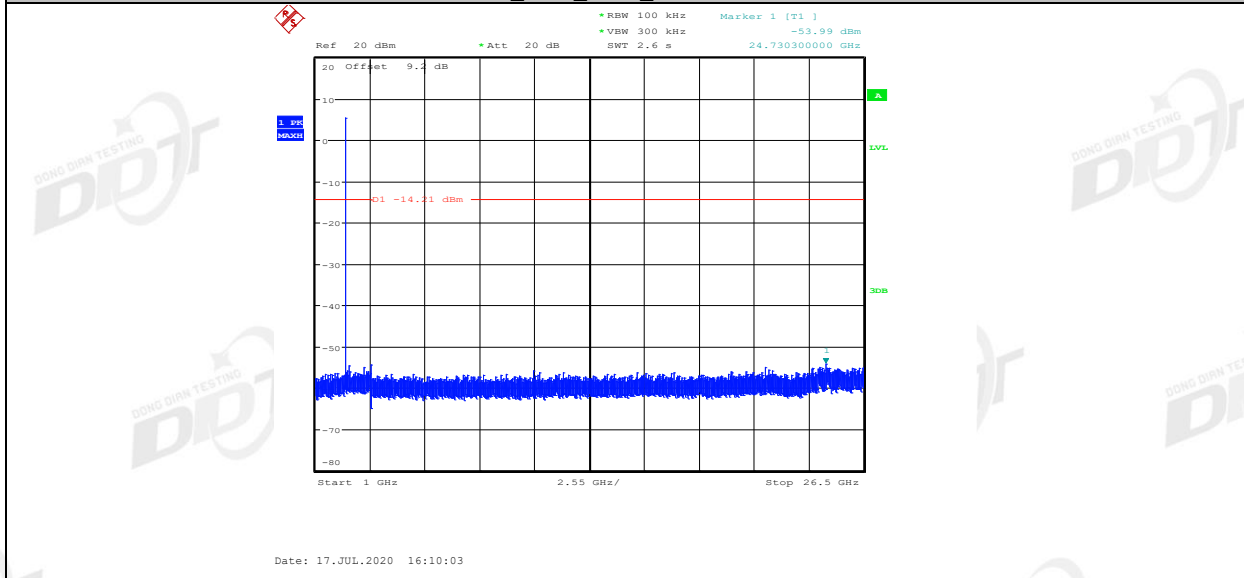
11.5. Original test data

Left side:

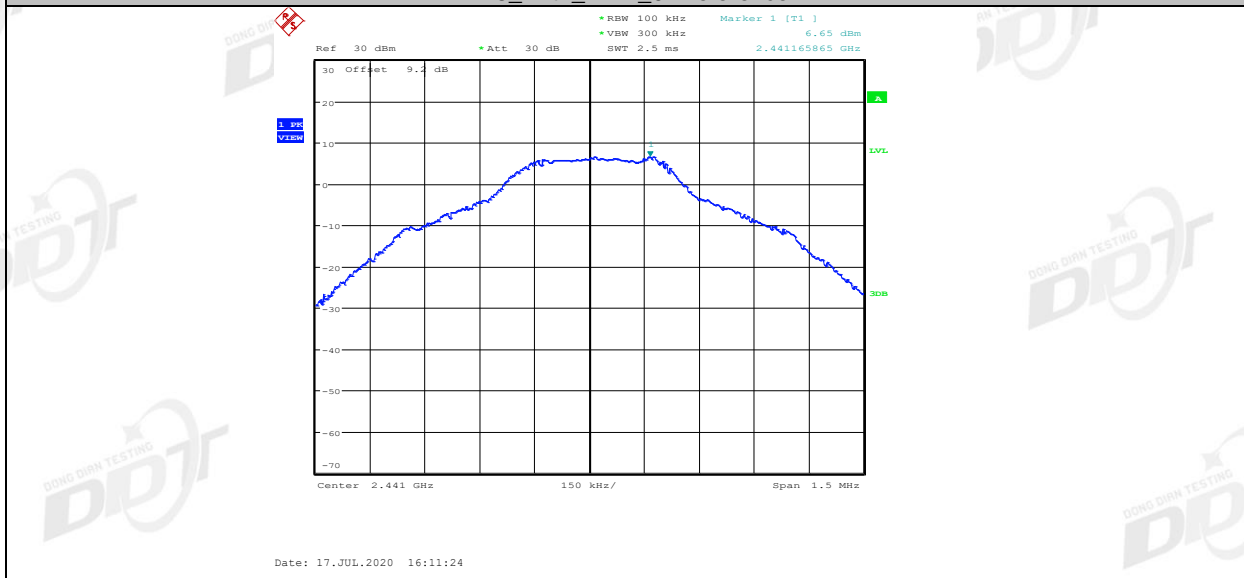




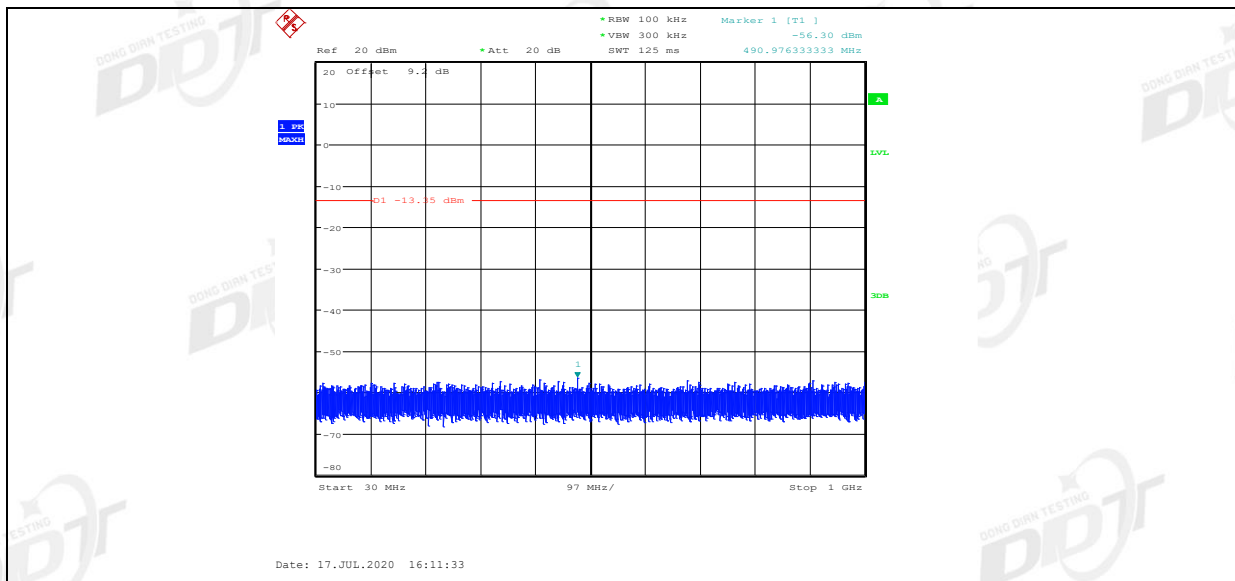
DH5_Ant1_2402_1000~26500



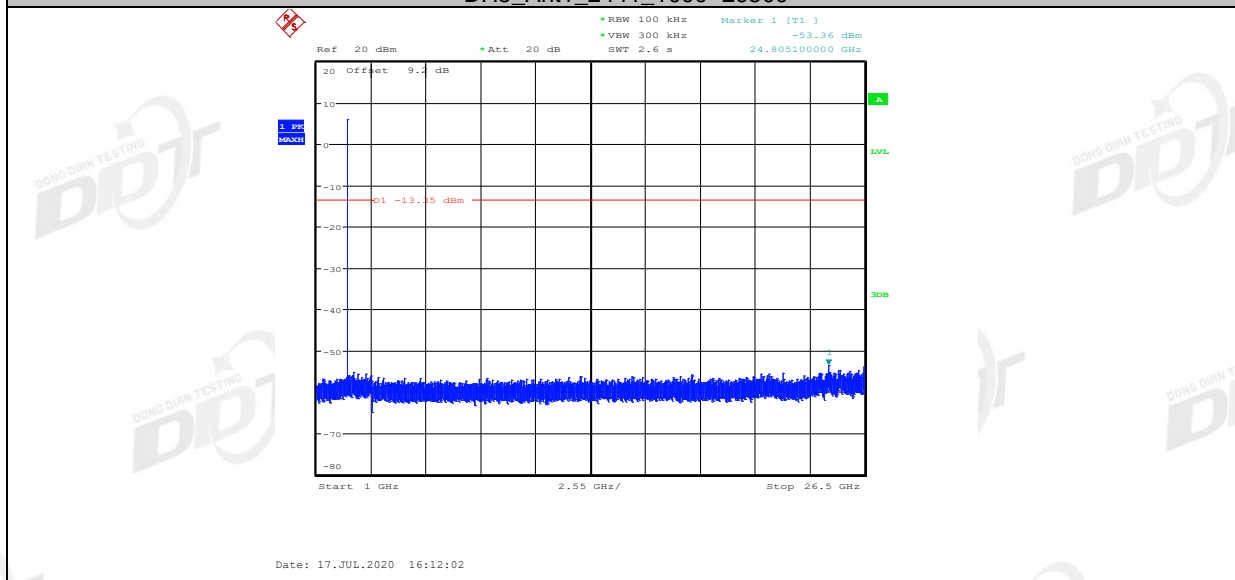
DH5_Ant1_2441_0-Reference



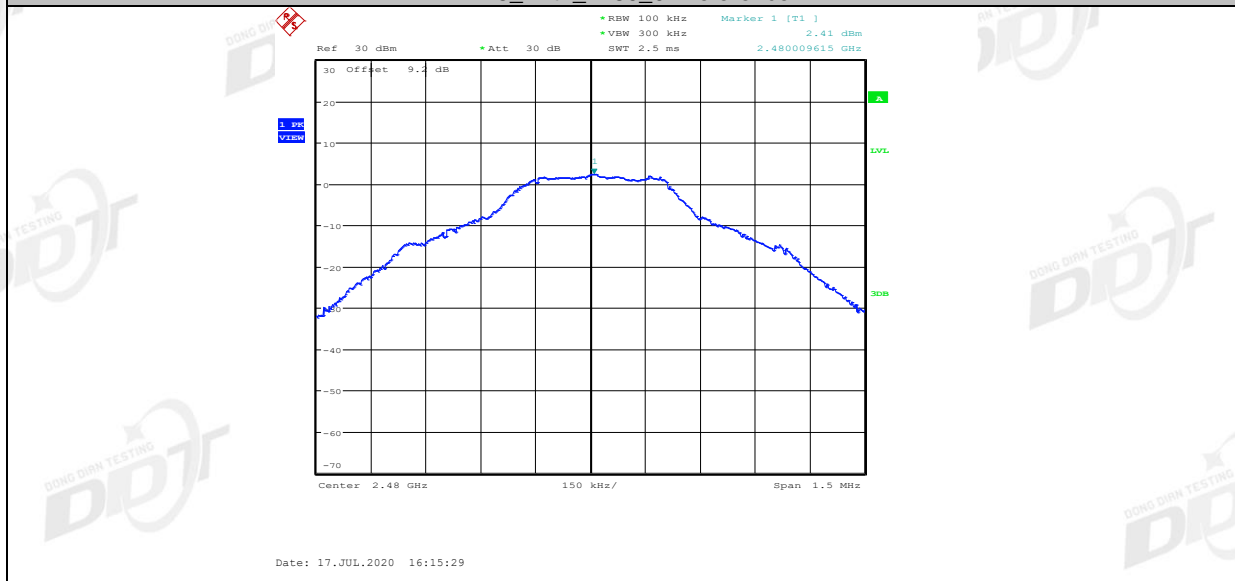
DH5_Ant1_2441_30~1000



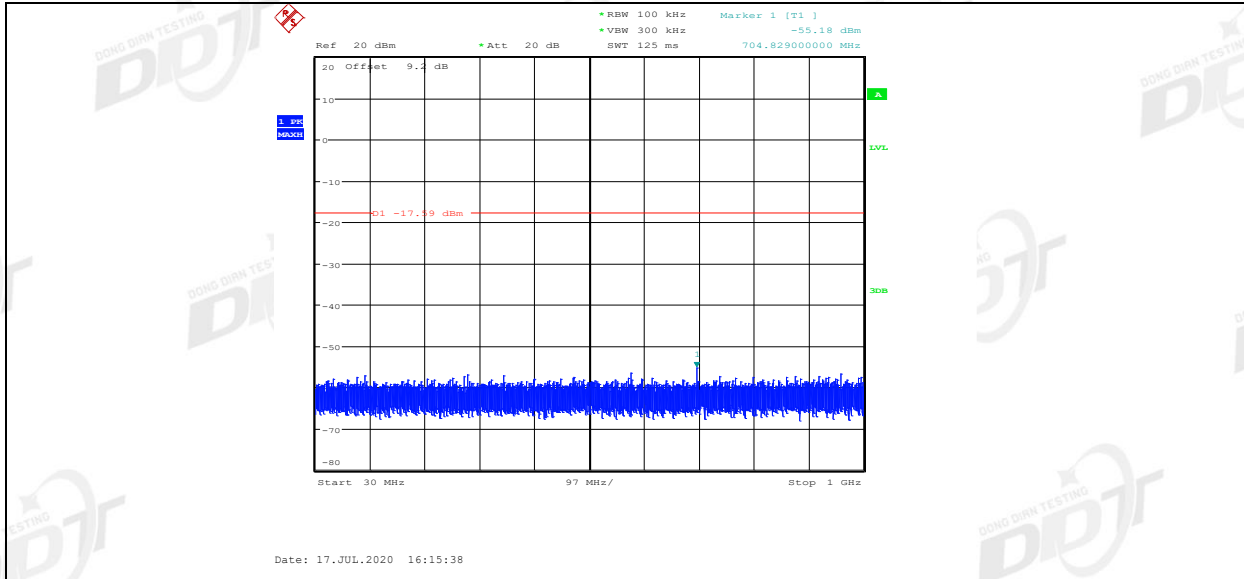
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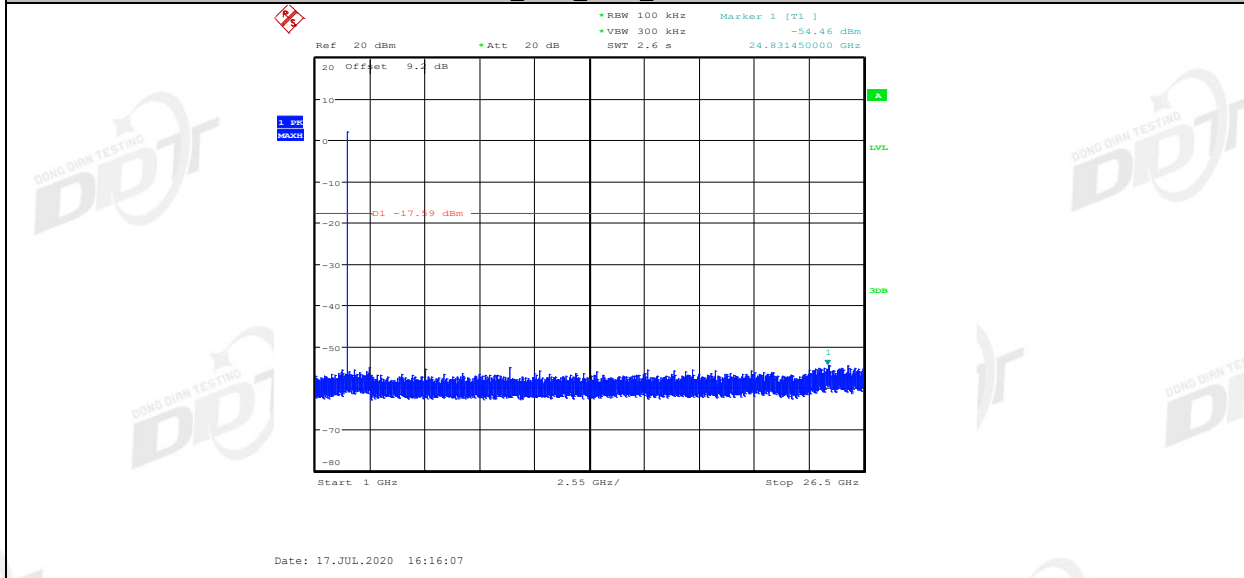
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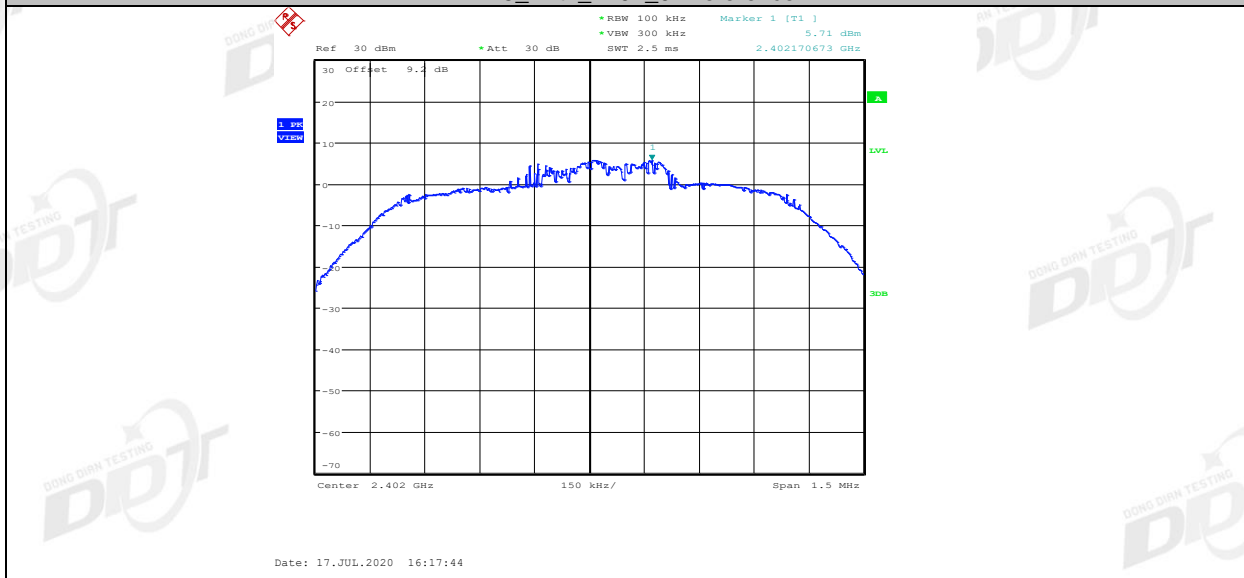
DH5_Ant1_2480_30~1000



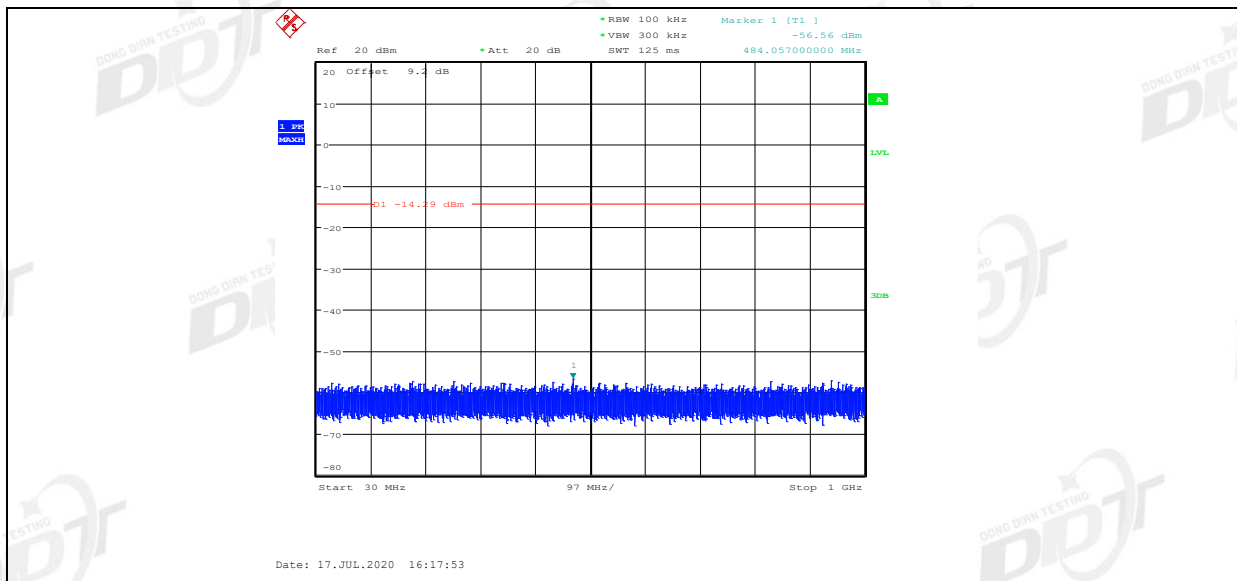
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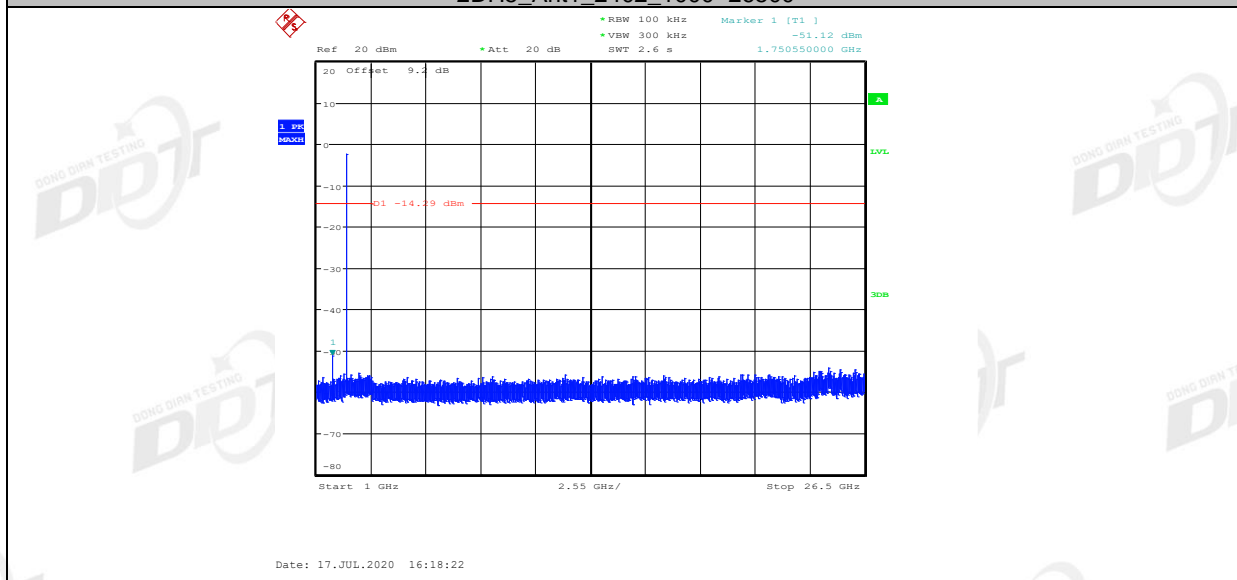
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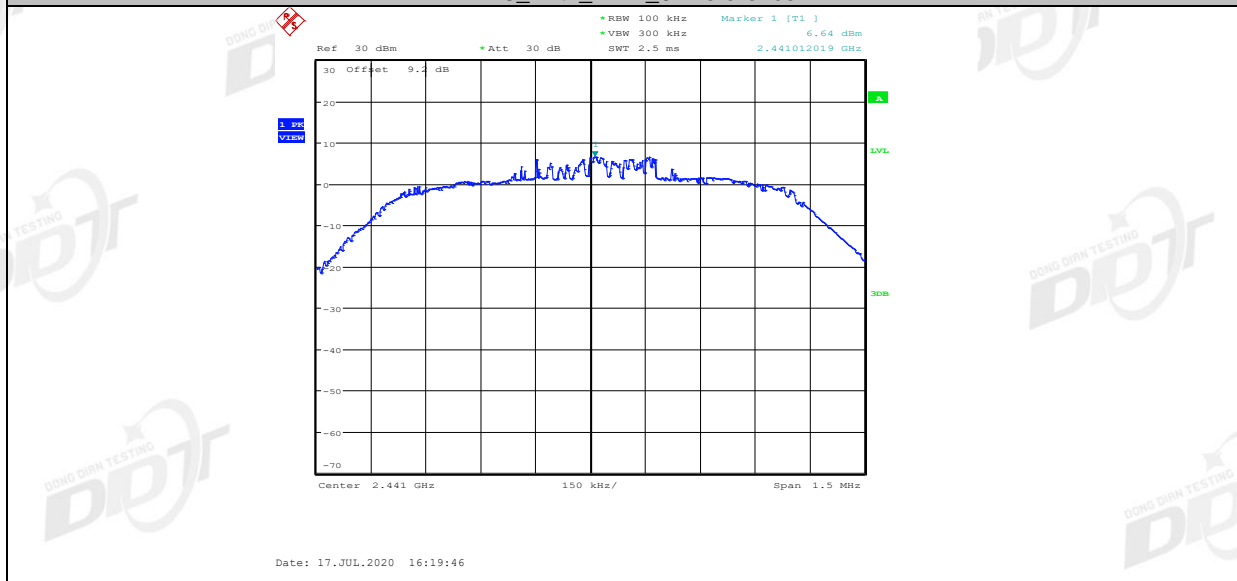
2DH5_Ant1_2402_30~1000



2DH5_Ant1_2402_1000~26500



2DH5_Ant1_2441_0~Reference



2DH5_Ant1_2441_30~1000