

Appendix A

RF Test Data for BT (Conducted Measurement)

Product Name: Android Head Unit with Floating Screen

Test Model: RVHU-130-ADF

Environmental Conditions

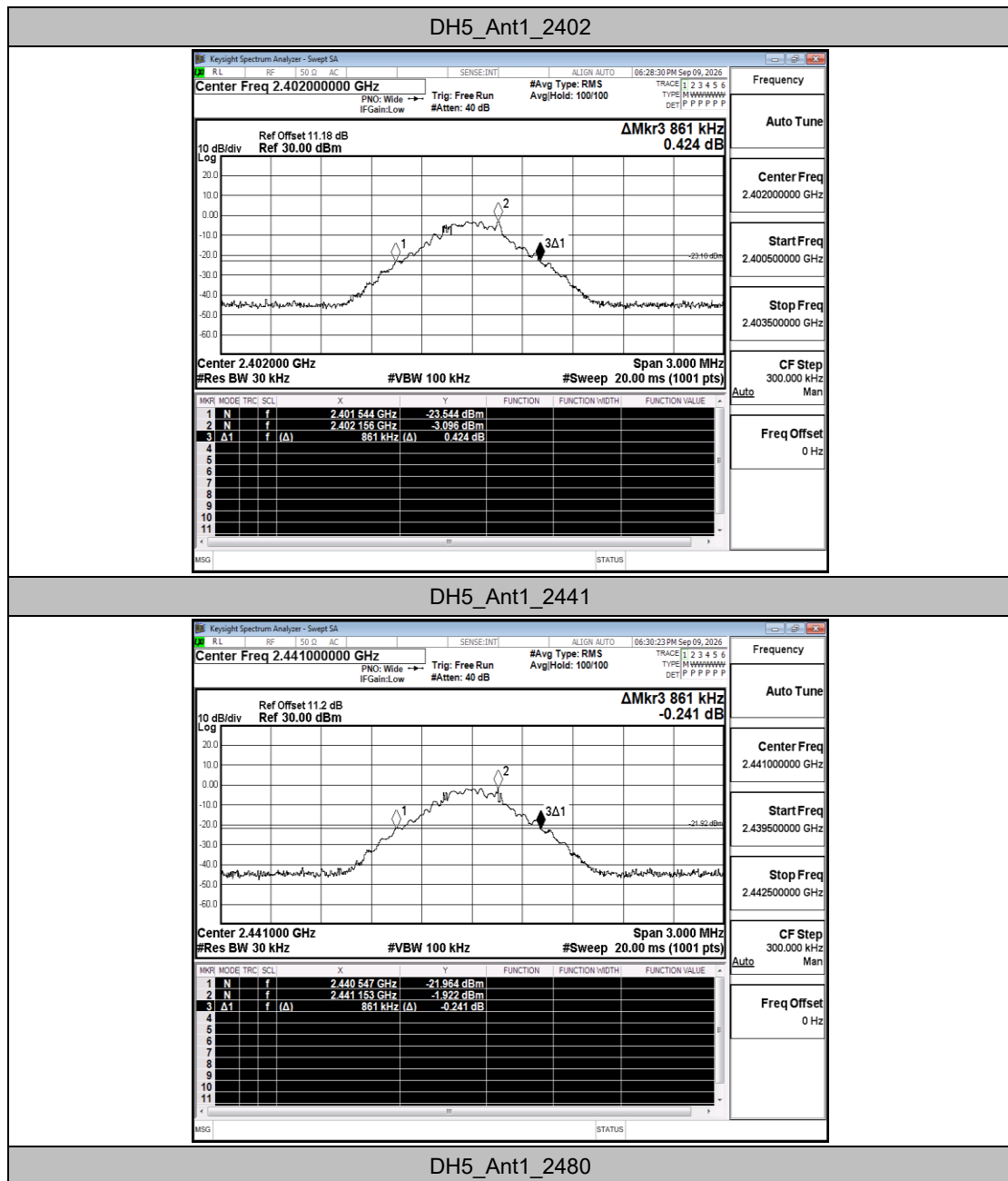
Temperature:	26.3°C
Relative Humidity:	54.7%
ATM Pressure:	100.0 kPa
Test Engineer:	Zhang hai
Supervised by:	Fengliu Tang

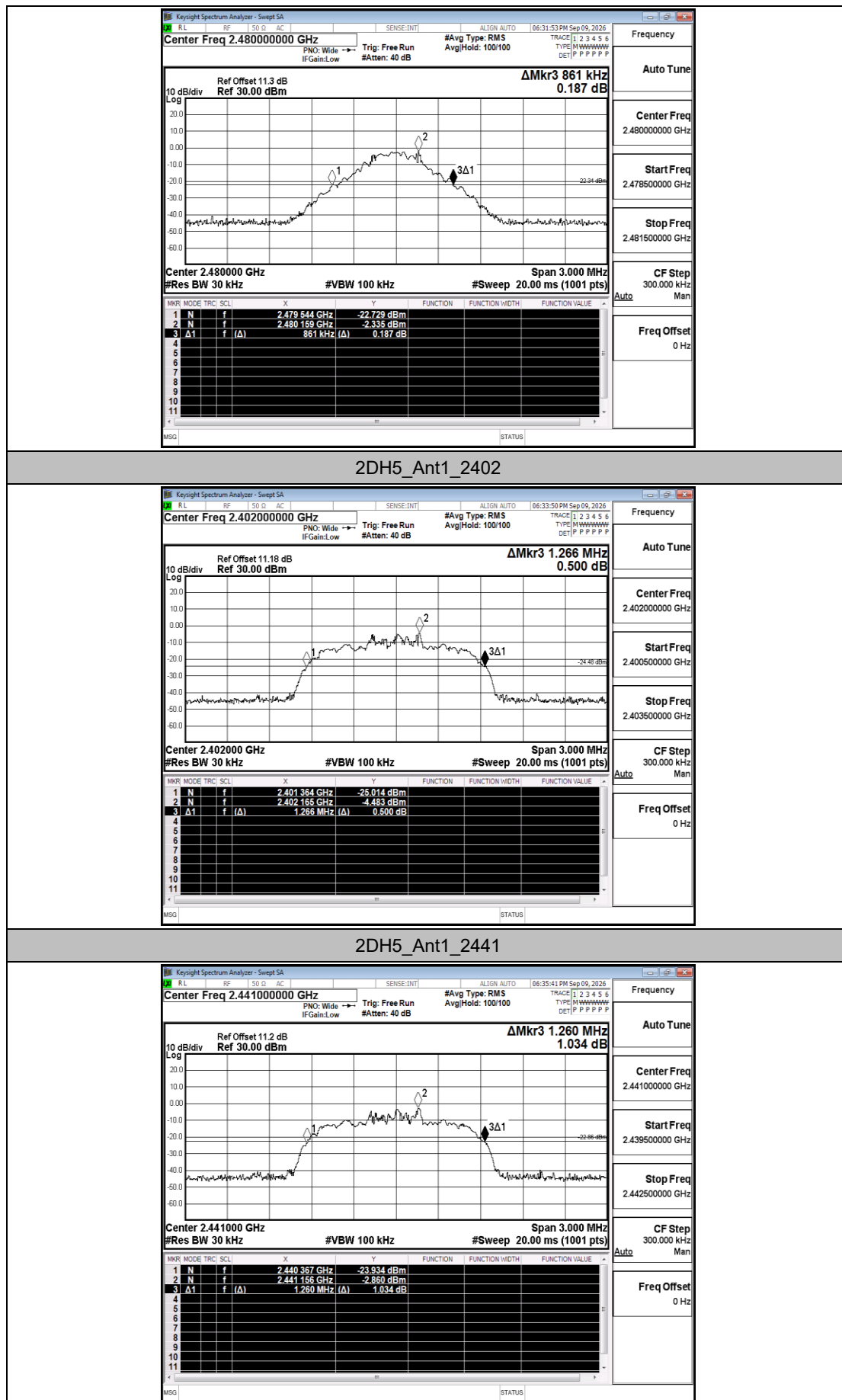
A.1 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq (MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
DH5	Ant1	2402	0.861	2401.544	2402.405	---	---
		2441	0.861	2440.547	2441.408	---	---
		2480	0.861	2479.544	2480.405	---	---
2DH5	Ant1	2402	1.266	2401.364	2402.630	---	---
		2441	1.260	2440.367	2441.627	---	---
		2480	1.275	2479.364	2480.639	---	---
3DH5	Ant1	2402	1.257	2401.355	2402.612	---	---
		2441	1.254	2440.358	2441.612	---	---
		2480	1.257	2479.355	2480.612	---	---

Test Graphs



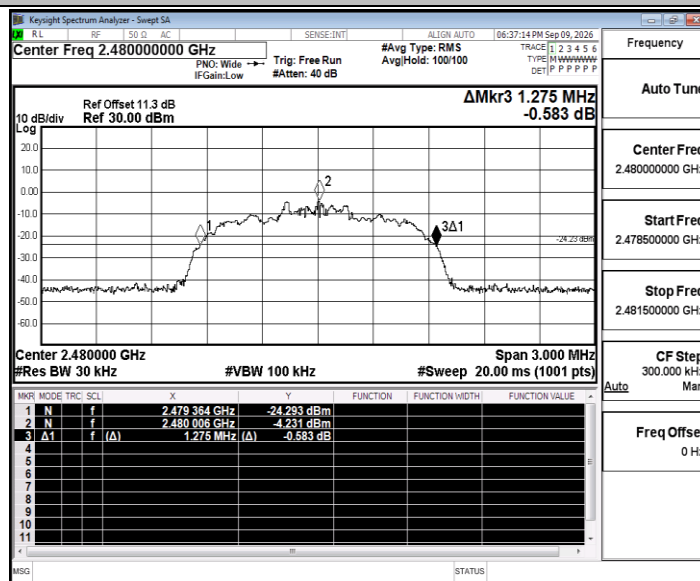


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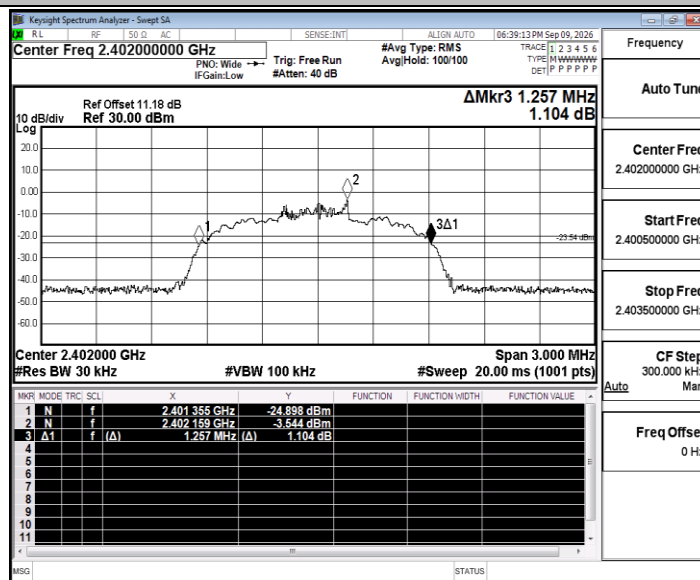
Add: No.44-1, Qianfeng North Road, Shiqi, Panyu District, Guangzhou, Guangdong, China

Tel: +(86) 020-39166689 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

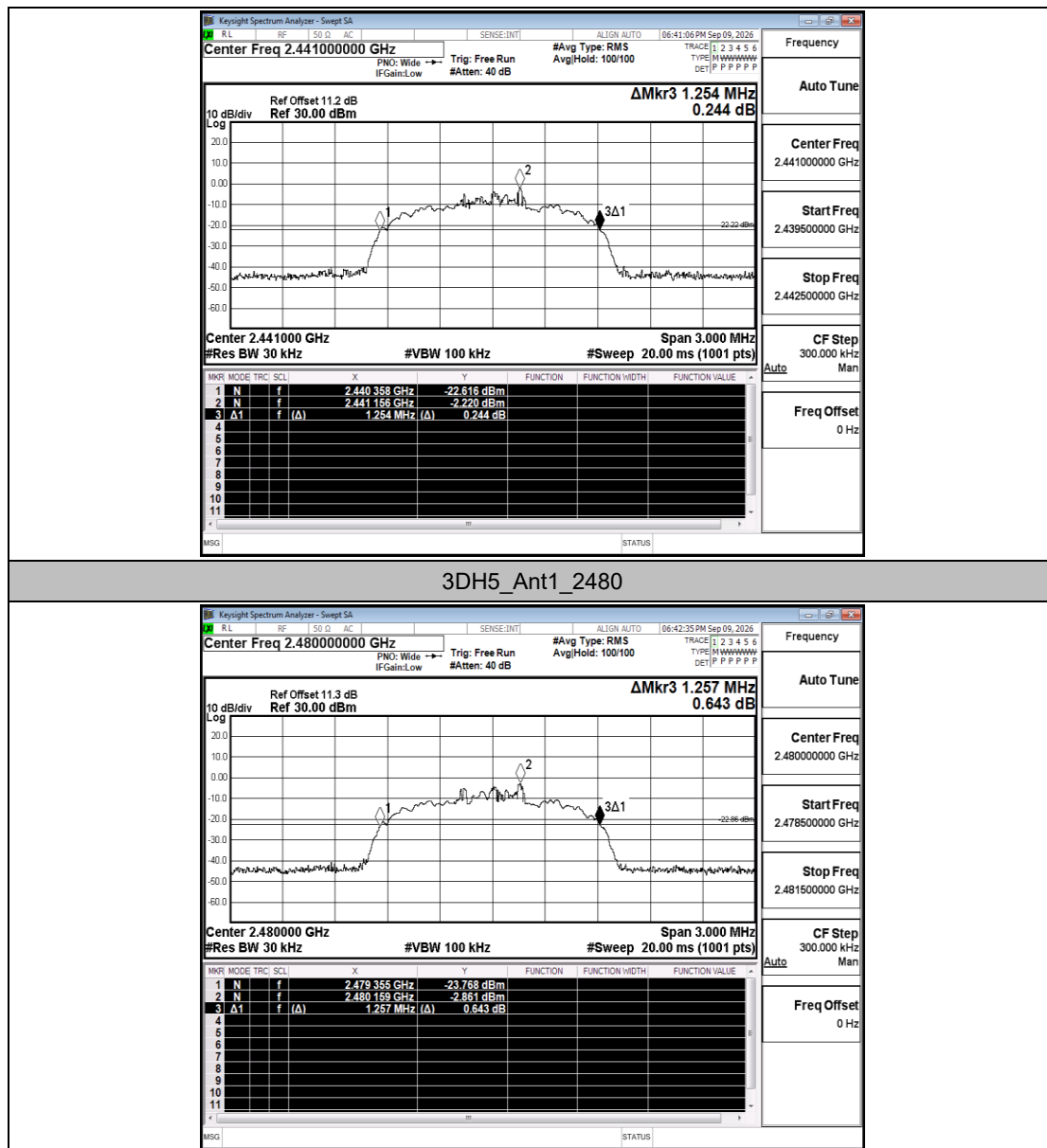
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

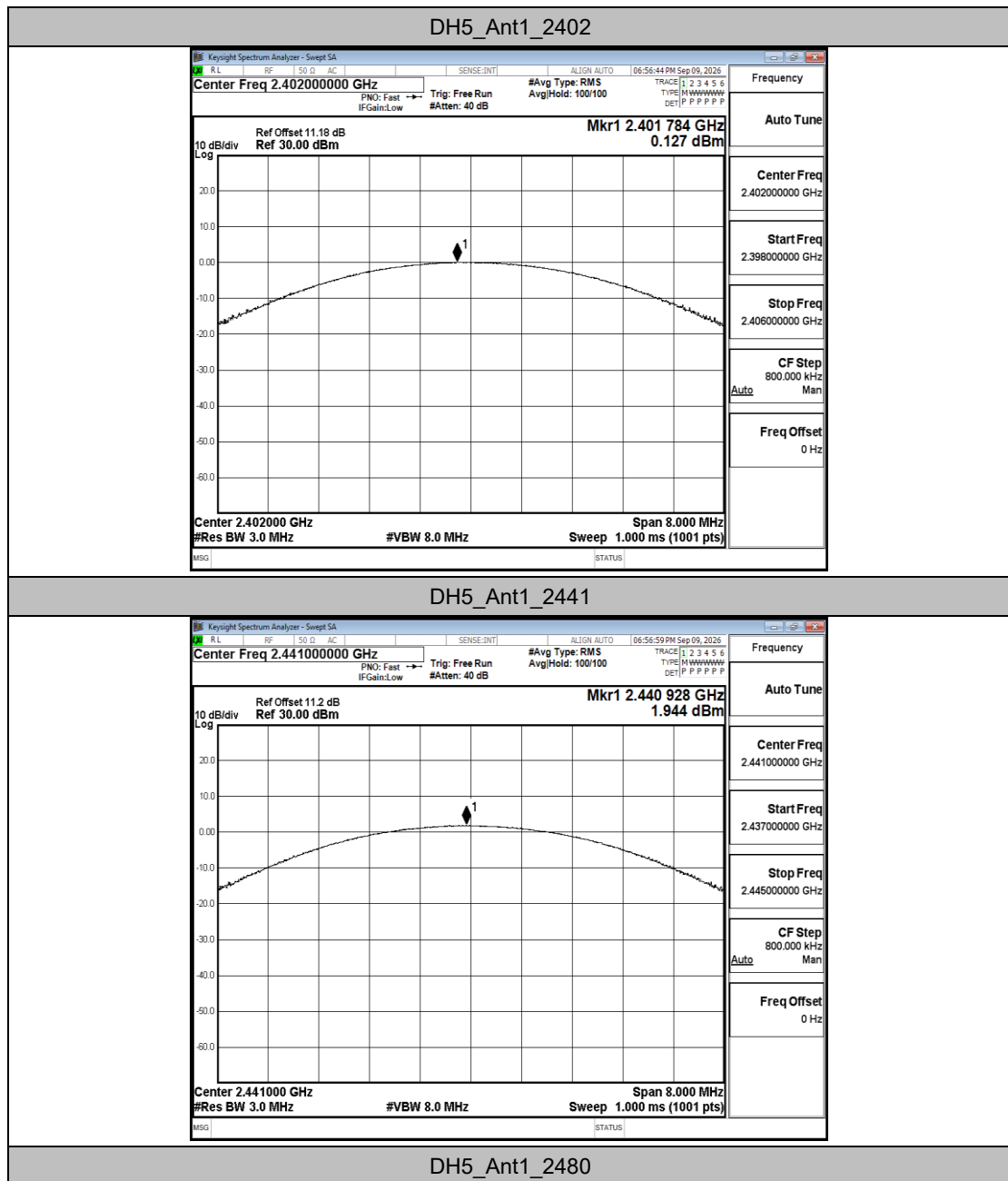


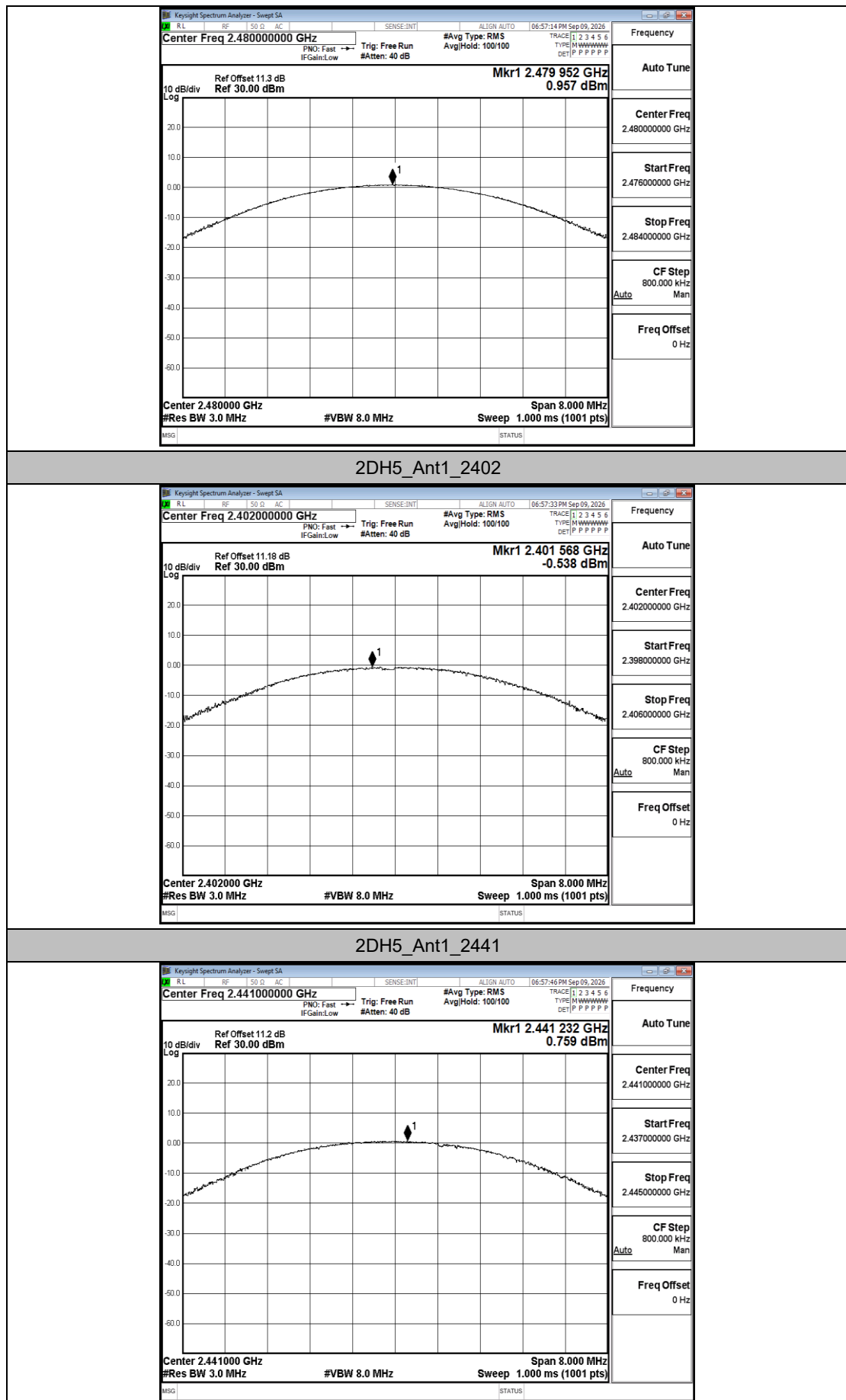
A.2 Maximum Peak conducted output power

Test Result Peak

TestMode	Antenna	Freq (MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.13	≤30	PASS
		2441	1.94	≤30	PASS
		2480	0.96	≤30	PASS
2DH5	Ant1	2402	-0.54	≤30	PASS
		2441	0.76	≤30	PASS
		2480	0.74	≤30	PASS
3DH5	Ant1	2402	-0.51	≤20.97	PASS
		2441	0.67	≤20.97	PASS
		2480	0.26	≤20.97	PASS

Test Graphs



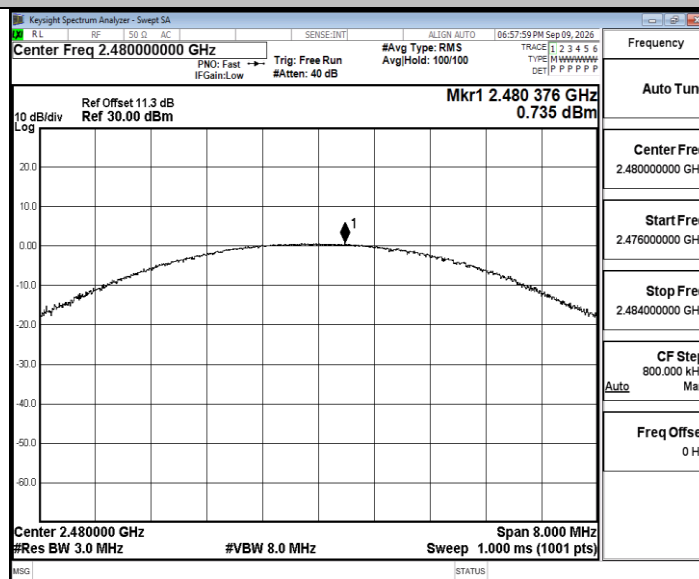


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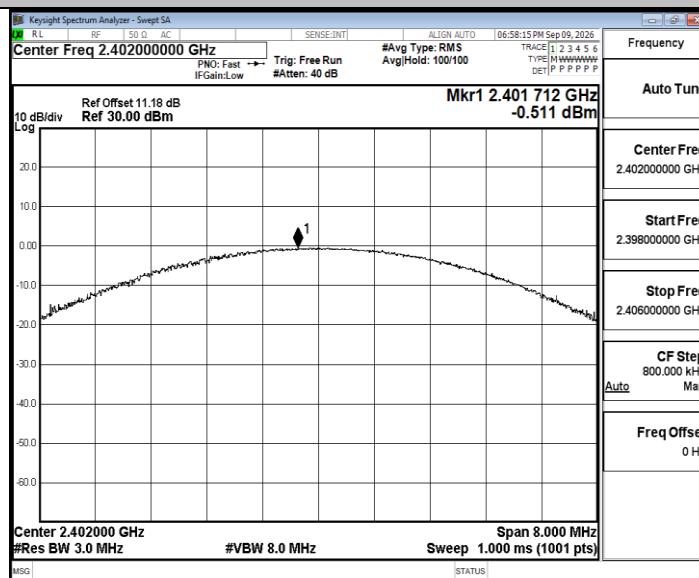
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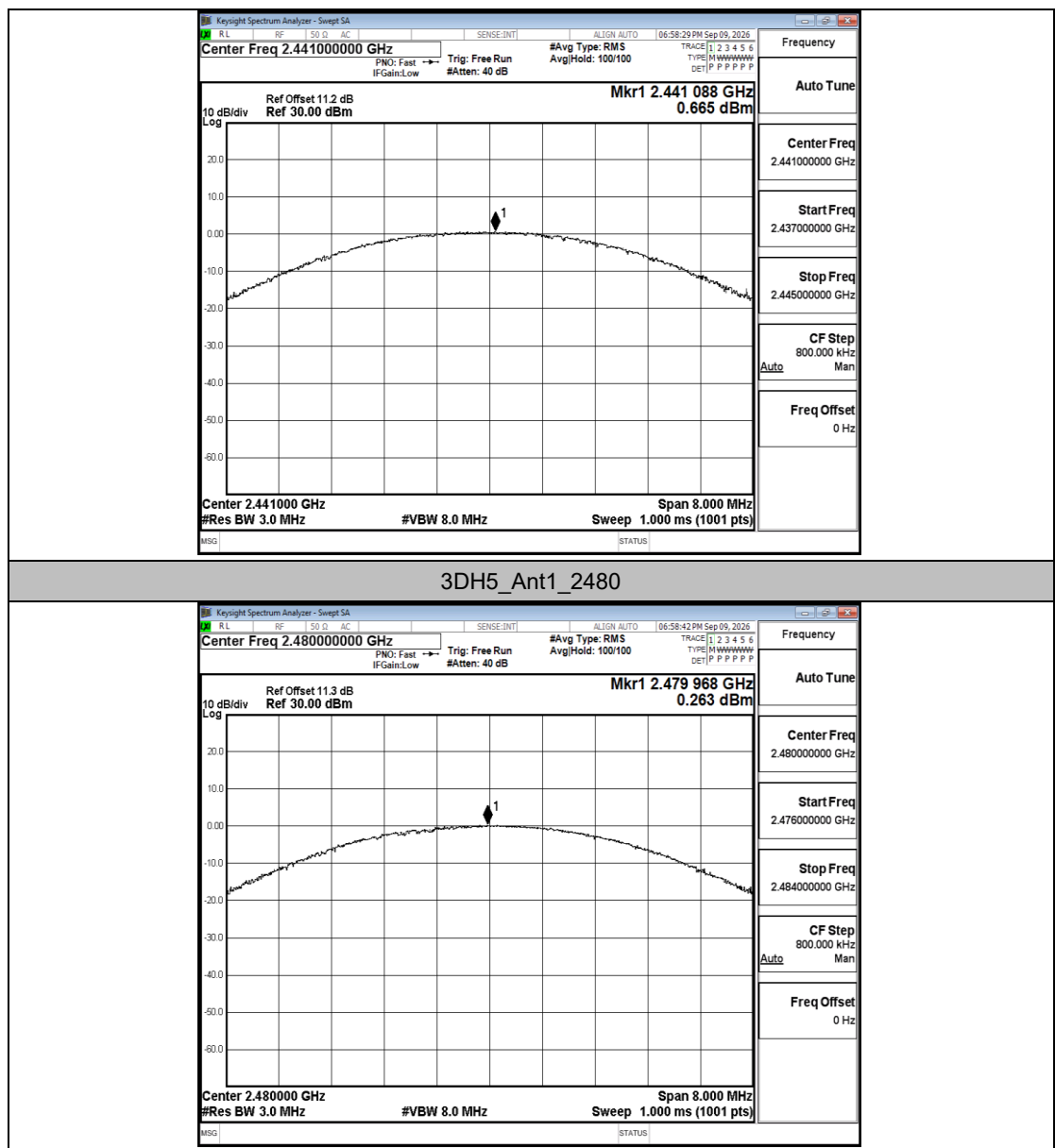
2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441



Frequency

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.437000000 GHz

Stop Freq
2.445000000 GHz

CF Step
800.000 kHz
Auto Man

Freq Offset
0 Hz

3DH5_Ant1_2480

KeySight Spectrum Analyzer - Swept SA

RL

RF

50 dB

AC

SENSE:INT

ALIGN AUTO

06:58:42 PM Sep 09, 2026

Center Freq 2.480000000 GHz

PNO: Fast

IFGain:Low

Trig: Free Run

#Atten: 40 dB

#Avg Type: RMS

AvgHold: 100/100

TRACE 1 2 3 4 5 6

TYPE: H W W W W W W W

DET: P P P P P P P

Ref Offset 11.3 dB

Ref 30.00 dBm

Mkr1 2.479 968 GHz

0.263 dBm

10 dB/div

Log

20.0

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

Center 2.480000 GHz

#Res BW 3.0 MHz

#VBW 8.0 MHz

Span 8.000 MHz

Sweep 1.000 ms (1001 pts)

MSG

STATUS

Frequency

Auto Tune

Center Freq
2.480000000 GHz

Start Freq
2.476000000 GHz

Stop Freq
2.484000000 GHz

CF Step
800.000 kHz
Auto Man

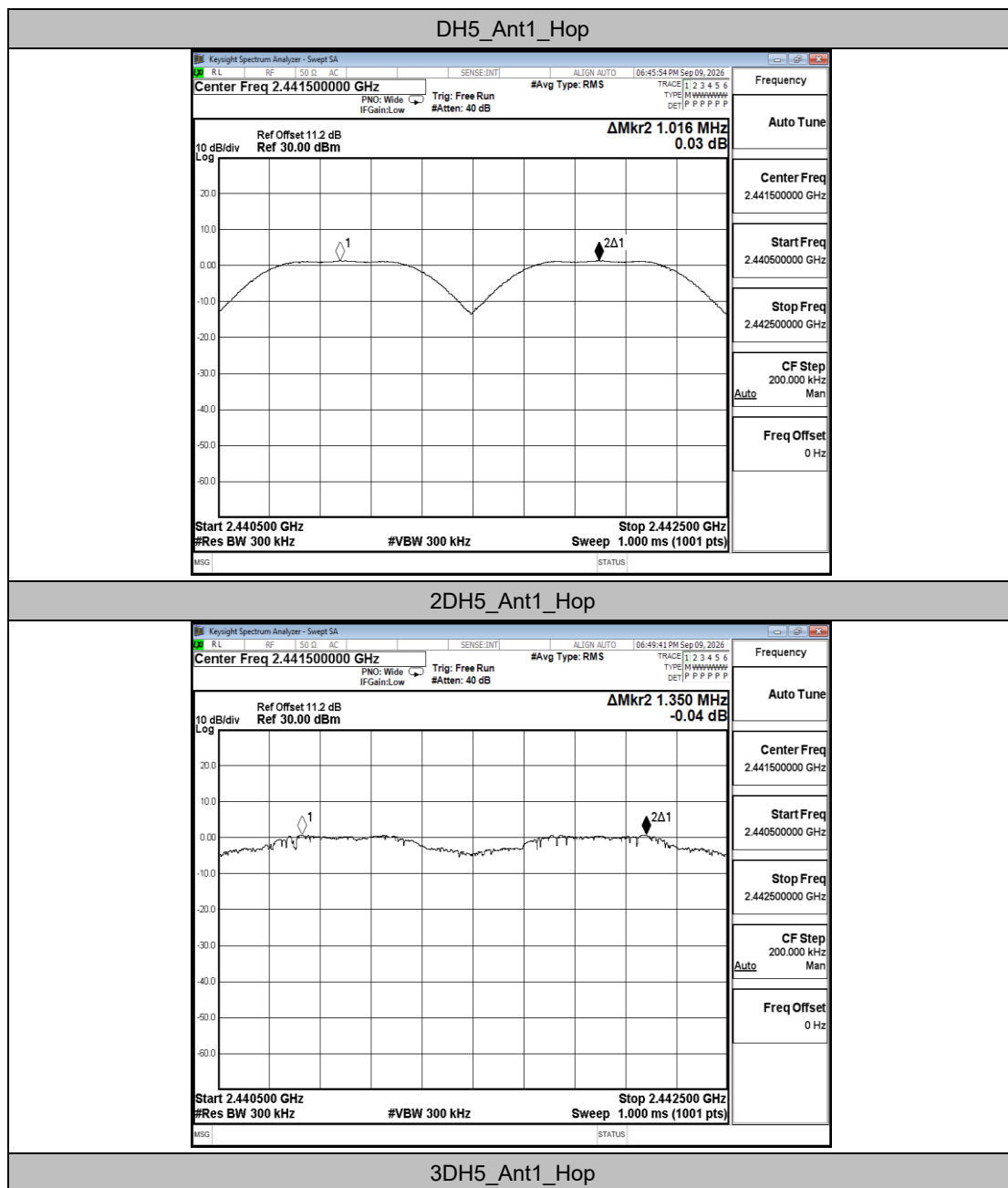
Freq Offset
0 Hz

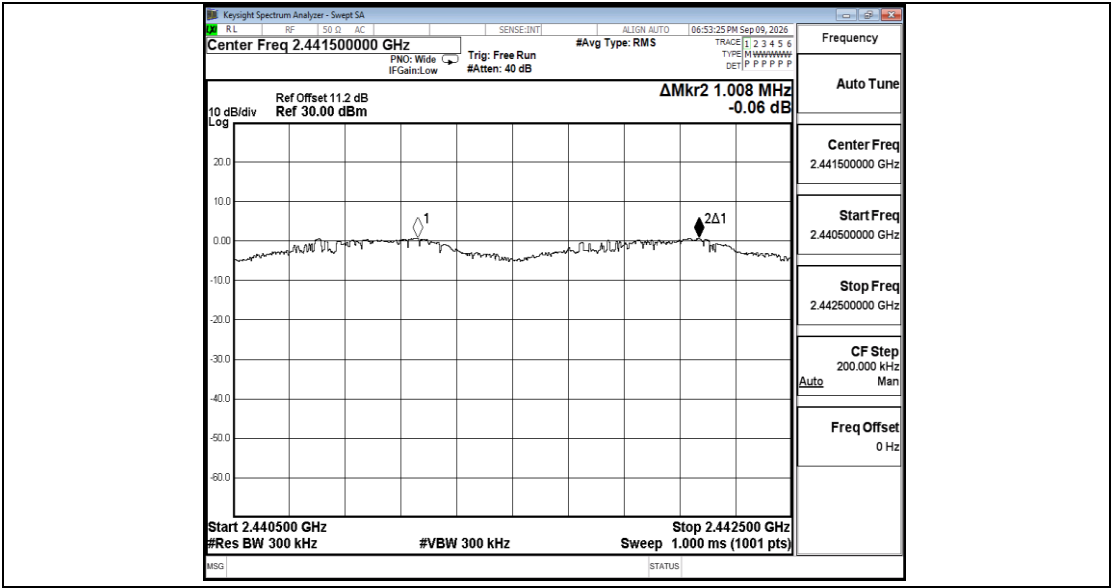
A.3 Carrier frequency separation

Test Result

TestMode	Antenna	Freq (MHz)	Result [MHz]	Limit [MHz]	Verdict
DH5	Ant1	Hop	1.016	≥ 0.861	PASS
2DH5	Ant1	Hop	1.35	≥ 1.275	PASS
3DH5	Ant1	Hop	1.008	≥ 0.838	PASS

Test Graphs



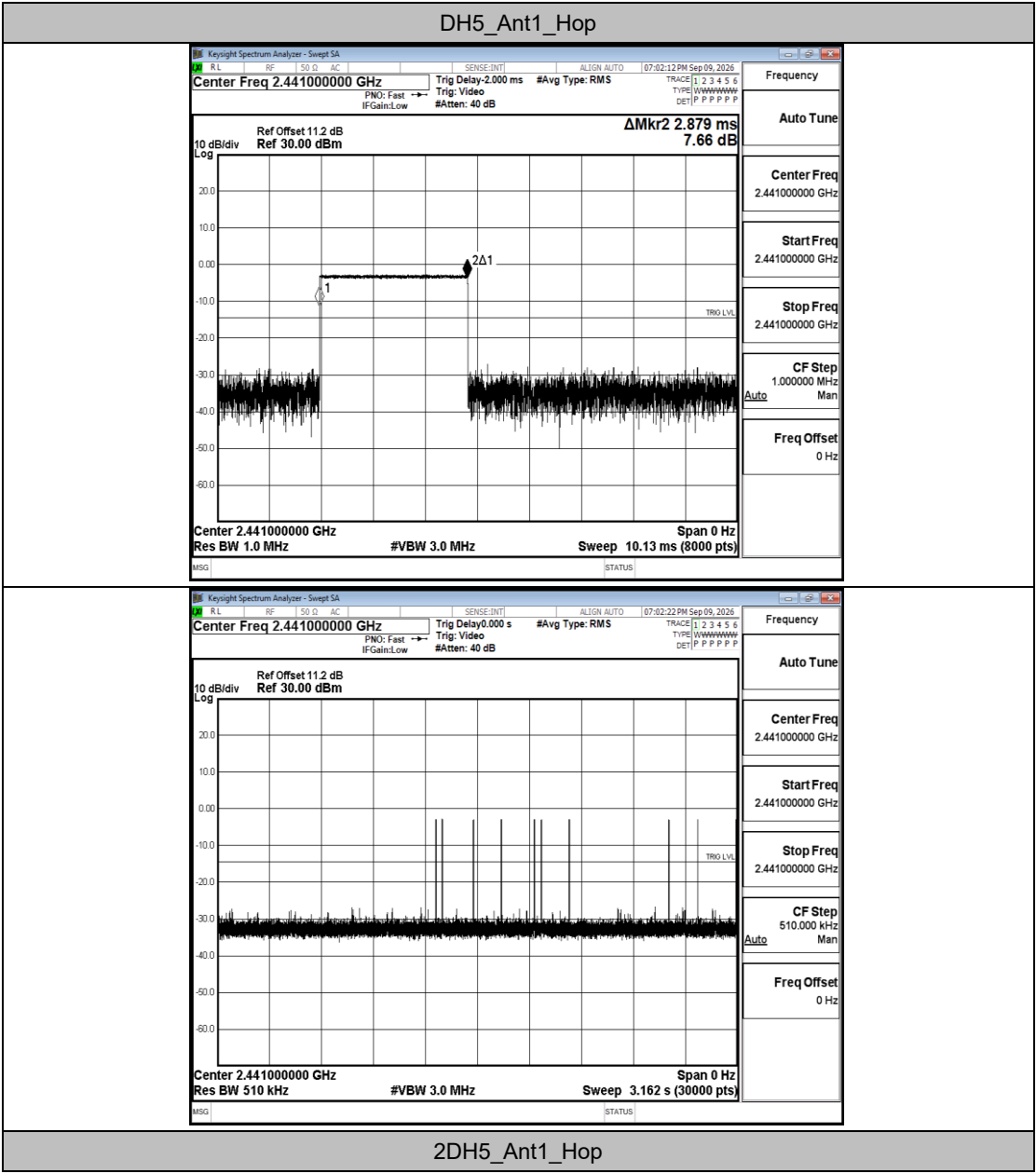


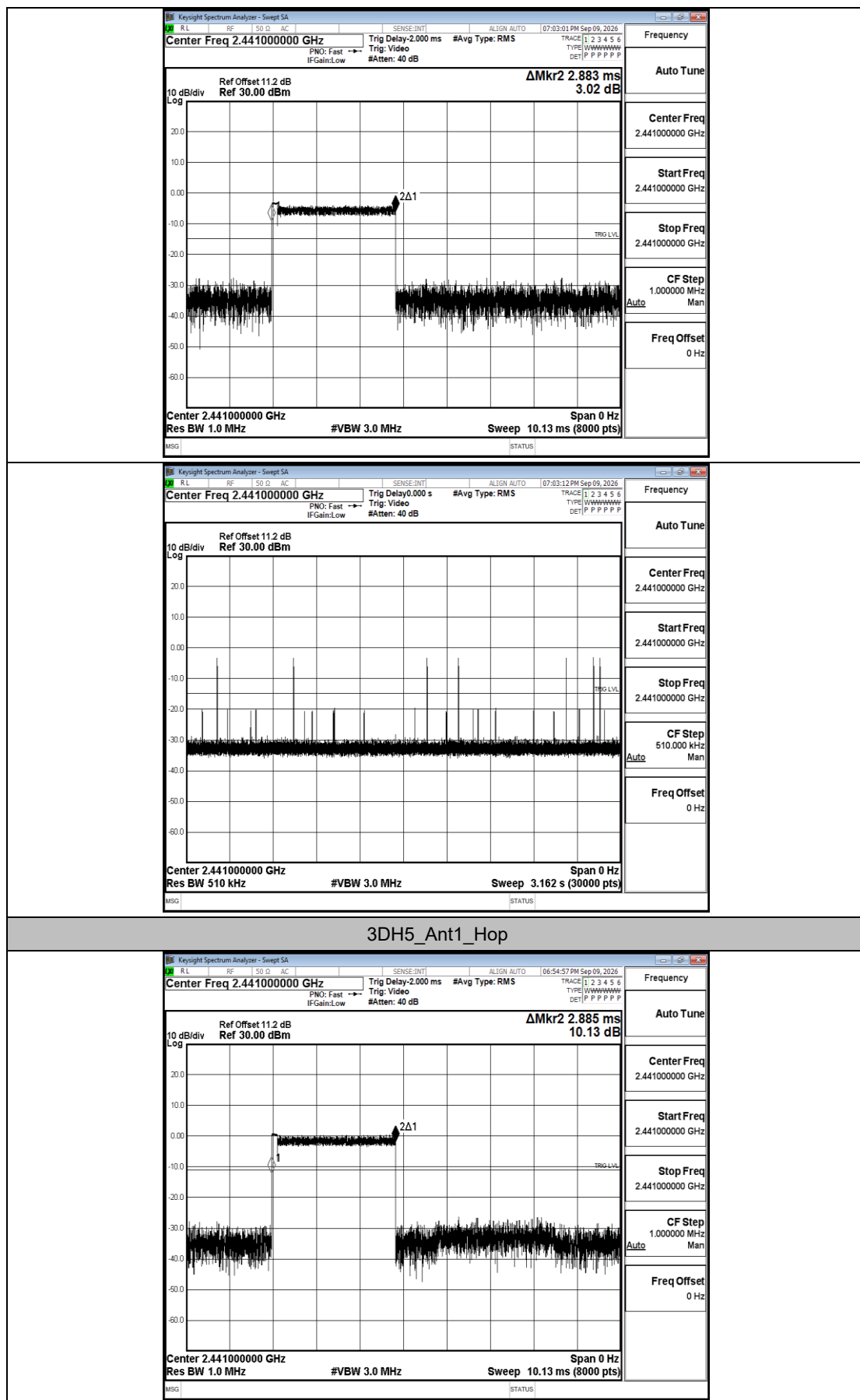
A.4 Time of occupancy

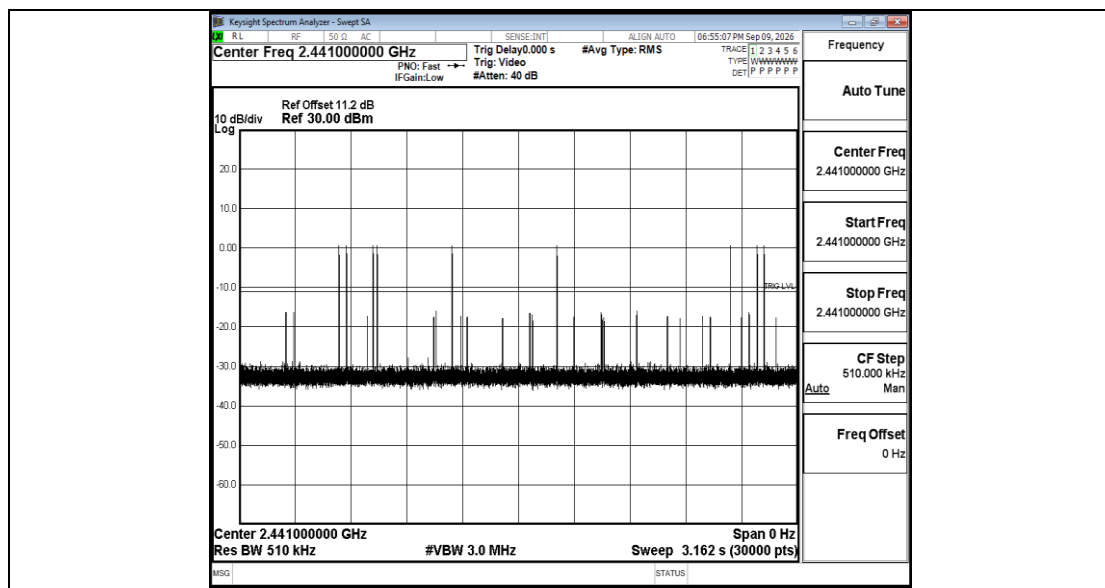
Test Result

TestMode	Antenna	Freq (MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.879	110	0.317	≤0.4	PASS
2DH5	Ant1	Hop	2.883	80	0.231	≤0.4	PASS
3DH5	Ant1	Hop	2.885	100	0.289	≤0.4	PASS

Test Graphs





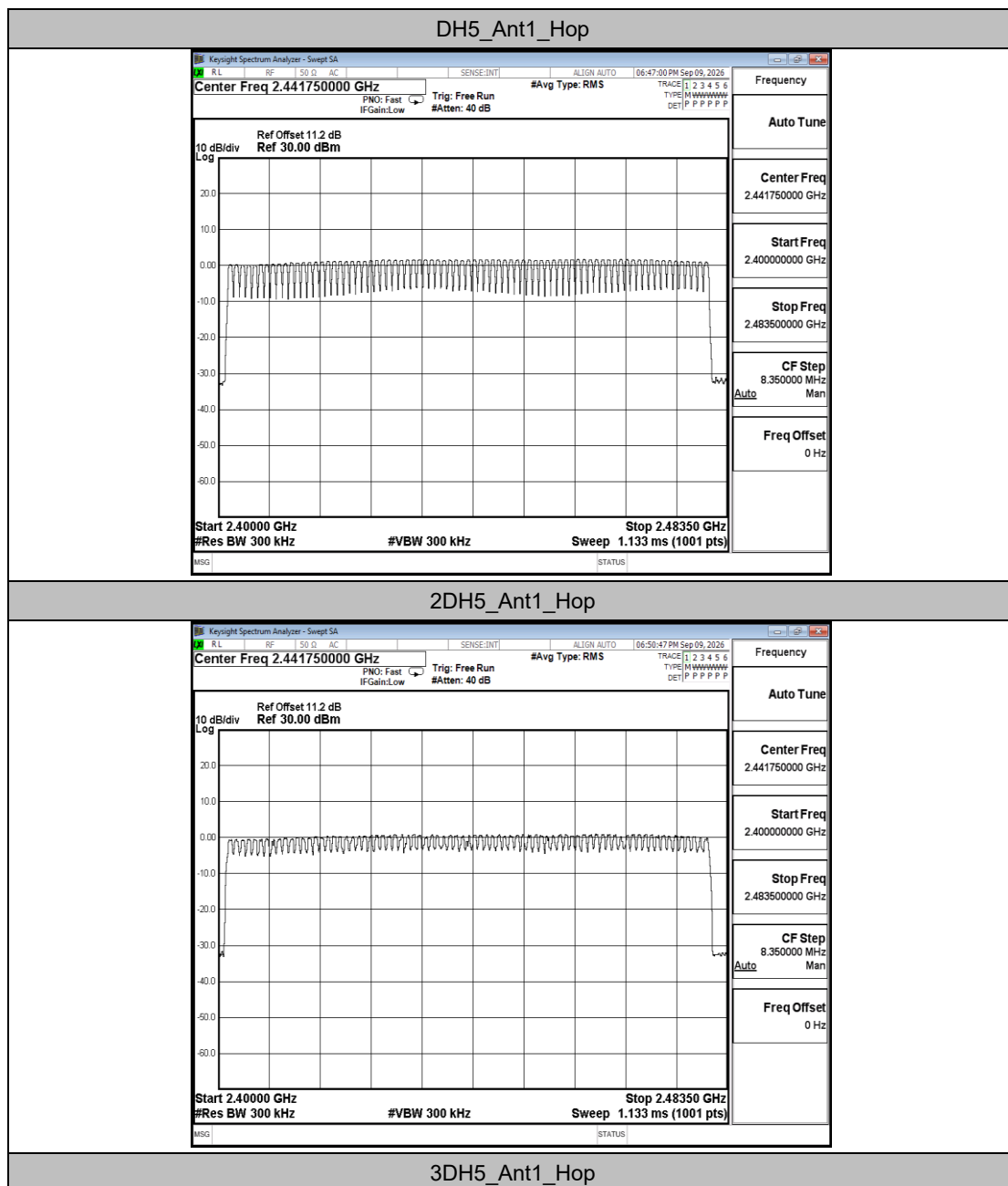


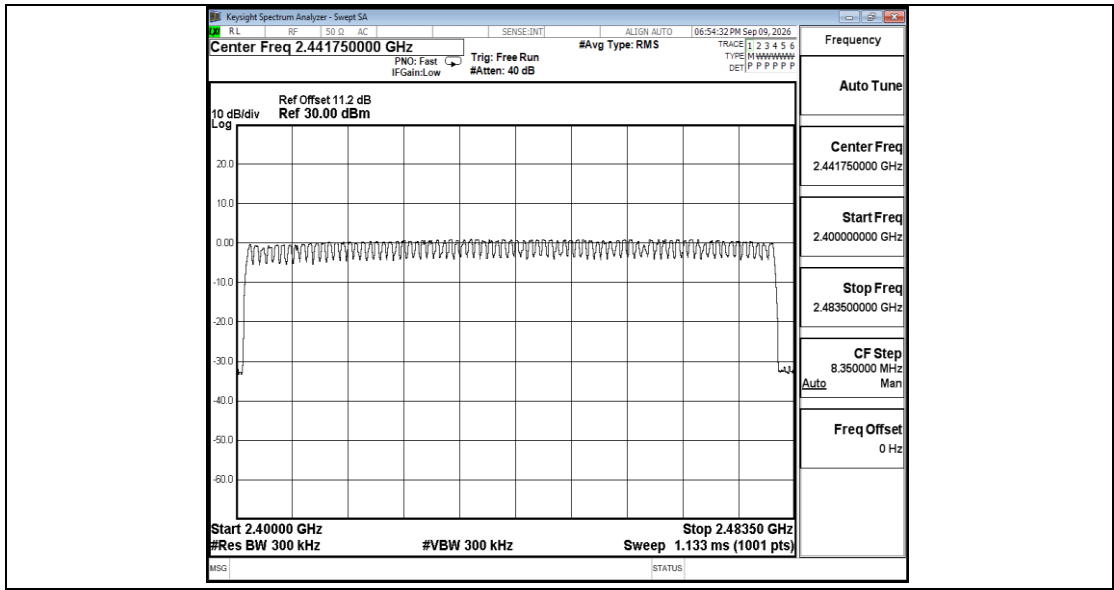
A.5 Number of hopping channels

Test Result

TestMode	Antenna	Freq(MHz)	Result [Num]	Limit [Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS

Test Graphs



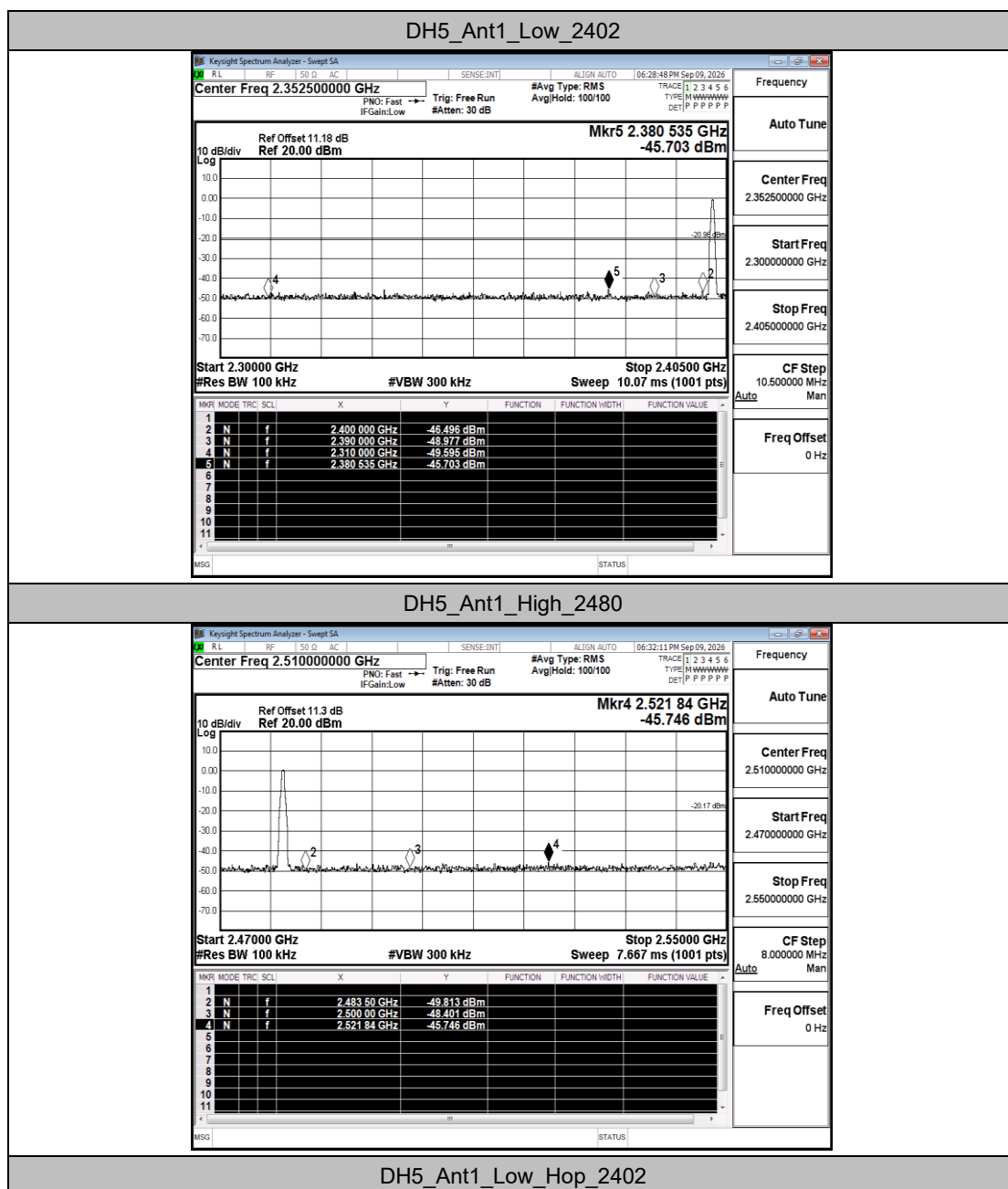


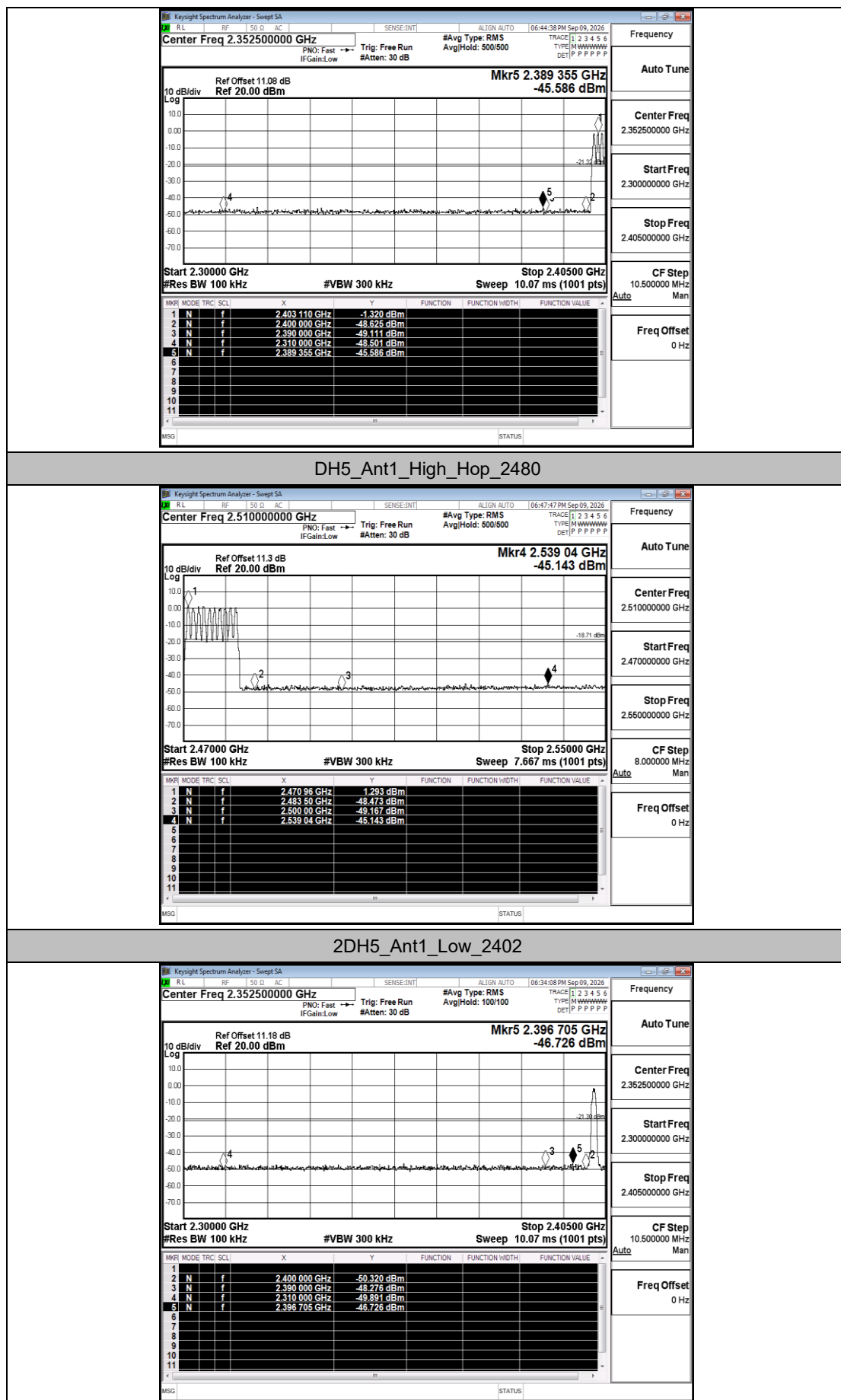
A.6 Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq (MHz)	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-0.96	-45.7	≤-20.96	PASS
		High	2480	-0.17	-45.75	≤-20.17	PASS
		Low	Hop_2402	-1.32	-45.59	≤-21.32	PASS
		High	Hop_2480	1.29	-45.14	≤-18.71	PASS
2DH5	Ant1	Low	2402	-1.30	-46.73	≤-21.3	PASS
		High	2480	-0.43	-44.63	≤-20.43	PASS
		Low	Hop_2402	-3.72	-45.18	≤-23.72	PASS
		High	Hop_2480	-1.96	-44.75	≤-21.96	PASS
3DH5	Ant1	Low	2402	-2.06	-46.82	≤-22.06	PASS
		High	2480	-0.84	-44.96	≤-20.84	PASS
		Low	Hop_2402	-3.83	-46.04	≤-23.83	PASS
		High	Hop_2480	0.42	-44.98	≤-19.59	PASS

Test Graphs



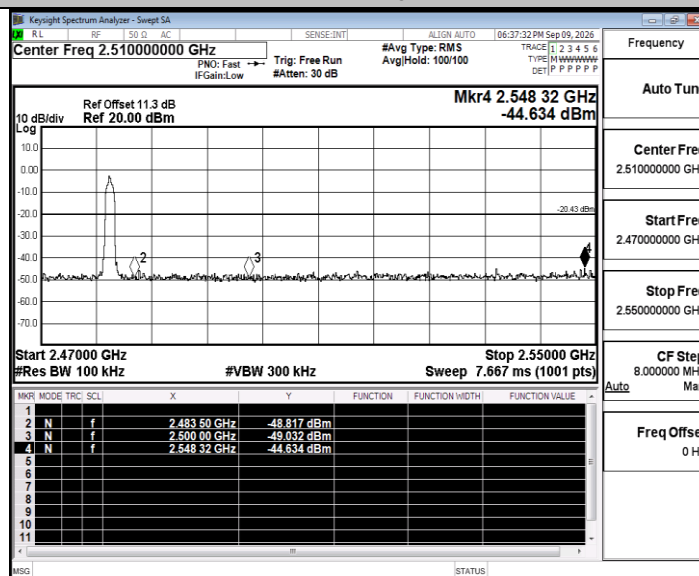


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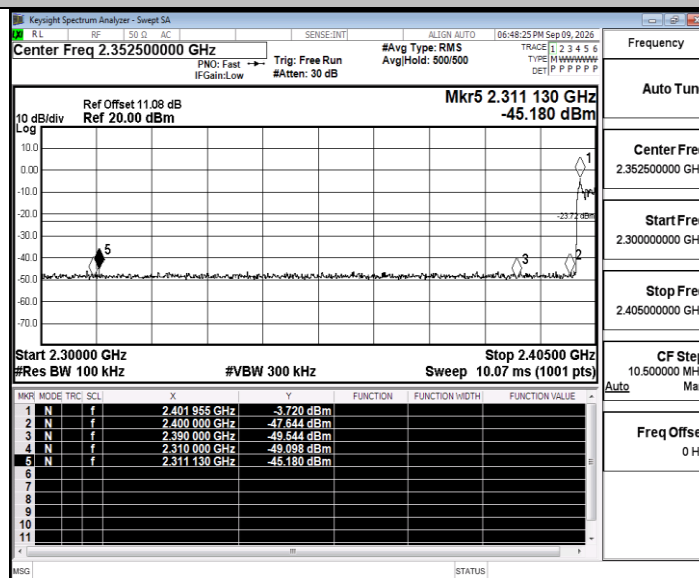
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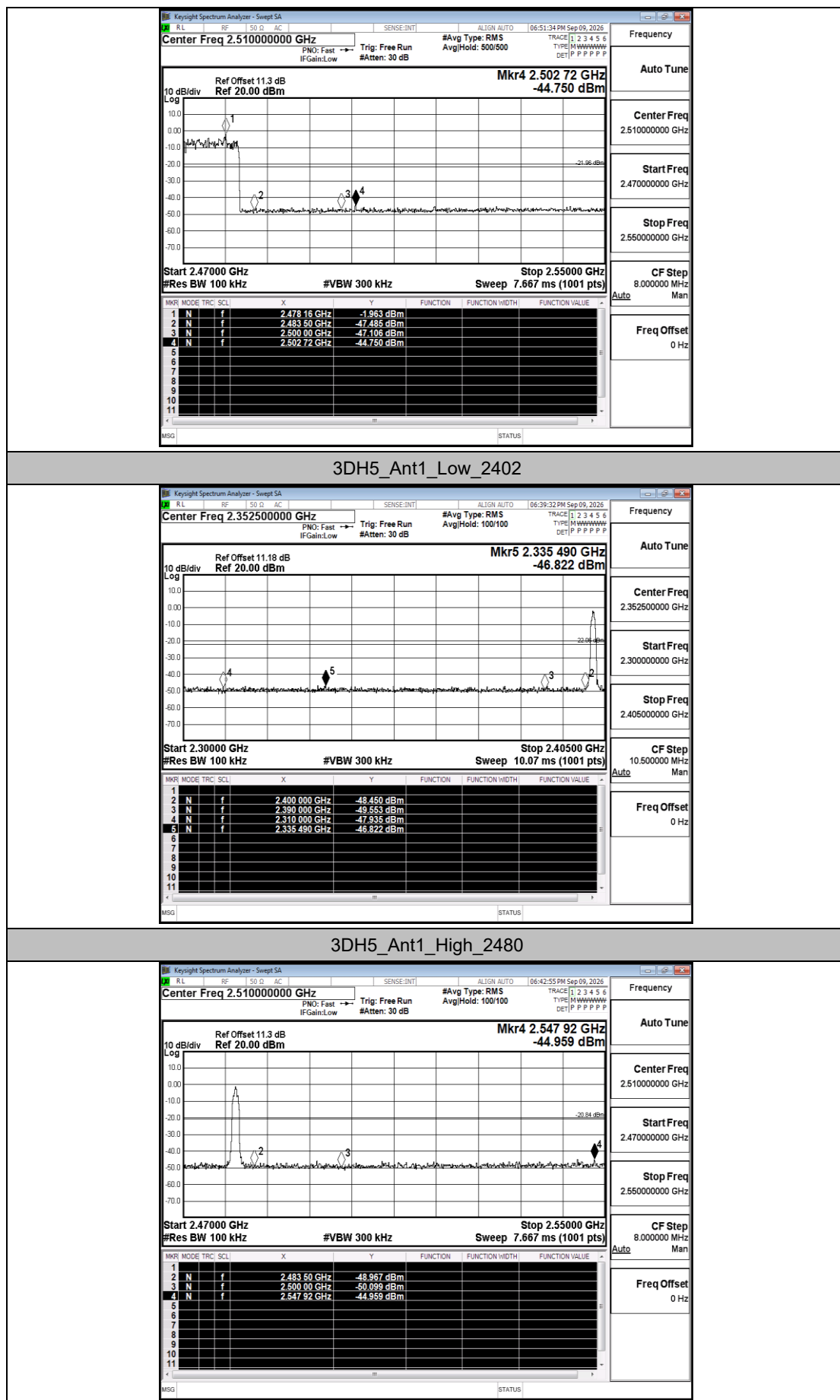
2DH5_Ant1_High_2480



2DH5_Ant1_Low_Hop_2402



2DH5_Ant1_High_Hop_2480



A.7 Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	-0.74	-0.74	---	PASS
			30~1000	-0.74	-69.4	≤-20.74	PASS
			1000~26500	-0.74	-44.71	≤-20.74	PASS
		2441	Reference	0.54	0.54	---	PASS
			30~1000	0.54	-68.99	≤-19.46	PASS
			1000~26500	0.54	-44.6	≤-19.46	PASS
		2480	Reference	0.57	0.57	---	PASS
			30~1000	0.57	-69.59	≤-19.43	PASS
			1000~26500	0.57	-45.03	≤-19.43	PASS
2DH5	Ant1	2402	Reference	-1.17	-1.17	---	PASS
			30~1000	-1.17	-70.31	≤-21.17	PASS
			1000~26500	-1.17	-44.57	≤-21.17	PASS
		2441	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-70.2	≤-19.96	PASS
			1000~26500	0.04	-44.26	≤-19.96	PASS
		2480	Reference	0.04	0.04	---	PASS
			30~1000	0.04	-69.79	≤-19.96	PASS
			1000~26500	0.04	-44.24	≤-19.96	PASS
3DH5	Ant1	2402	Reference	-0.72	-0.72	---	PASS
			30~1000	-0.72	-69.75	≤-20.72	PASS
			1000~26500	-0.72	-44	≤-20.72	PASS
		2441	Reference	0.06	0.06	---	PASS
			30~1000	0.06	-70.25	≤-19.94	PASS
			1000~26500	0.06	-45.07	≤-19.94	PASS
		2480	Reference	-0.01	-0.01	---	PASS
			30~1000	-0.01	-69.53	≤-20.01	PASS
			1000~26500	-0.01	-44	≤-20.01	PASS

Test Graphs

