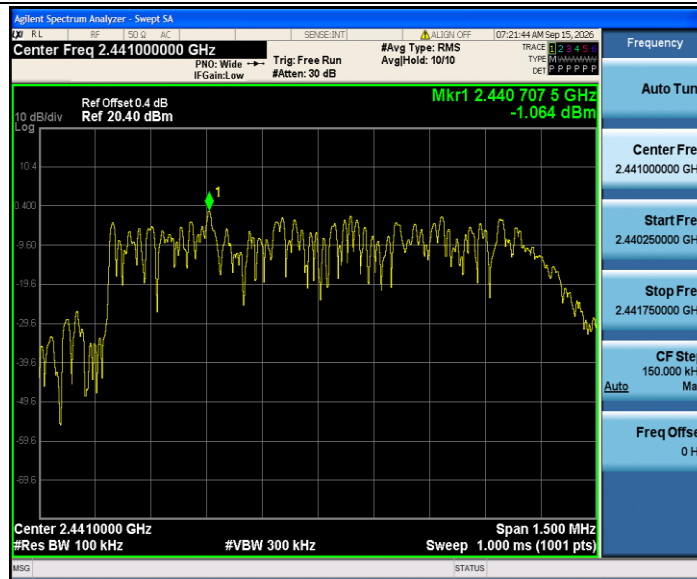
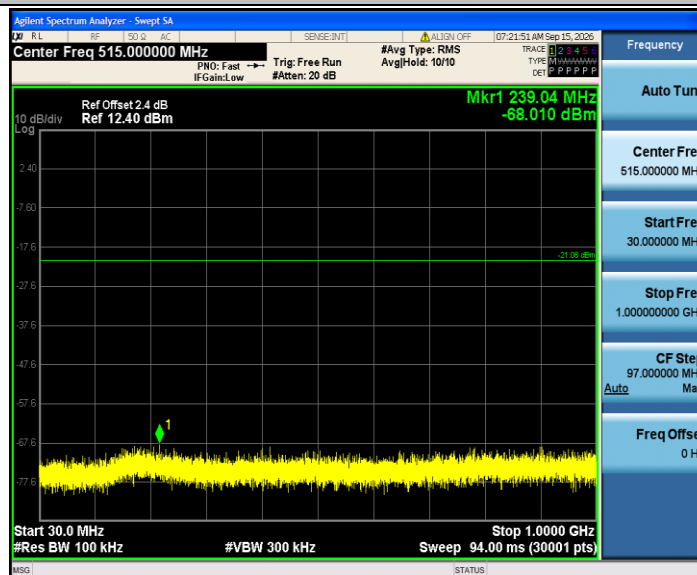
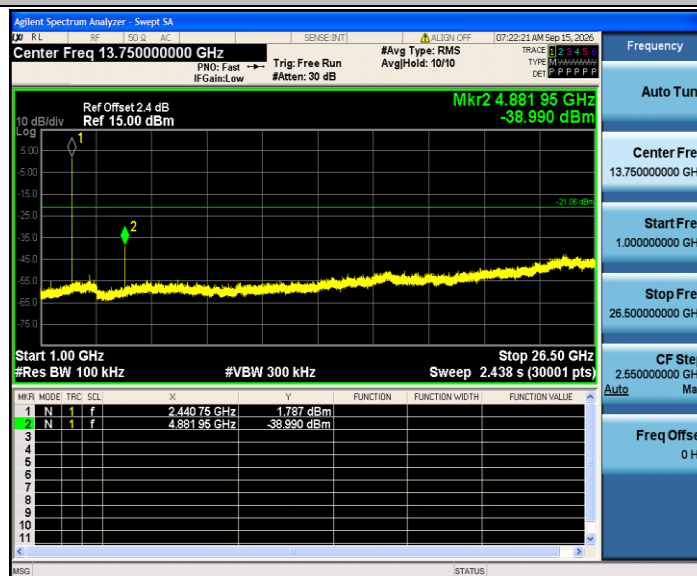




2DH5_Ant1_2441_30~1000



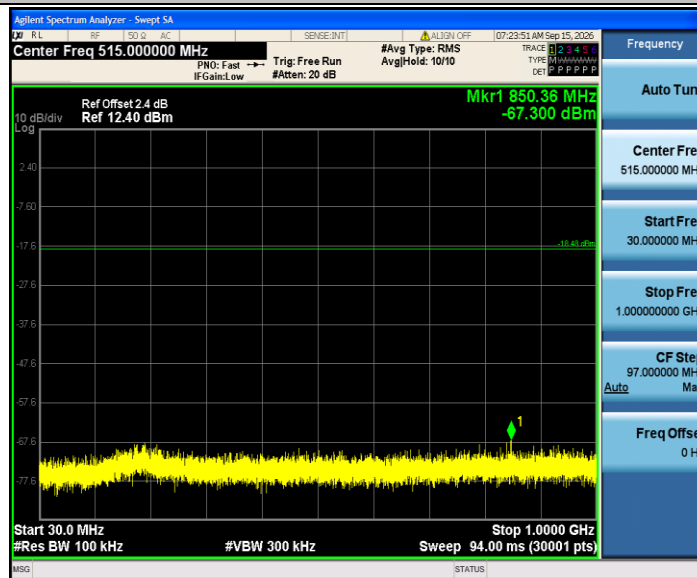
2DH5_Ant1_2441_1000~26500



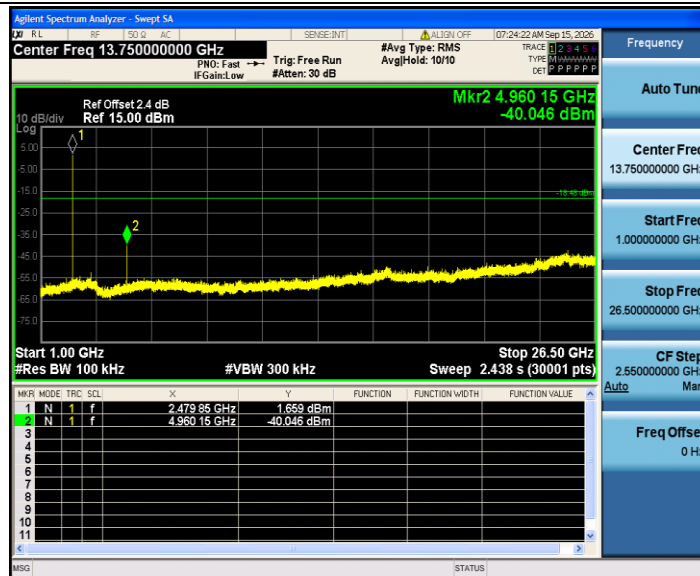
2DH5_Ant1_2480_0~Reference



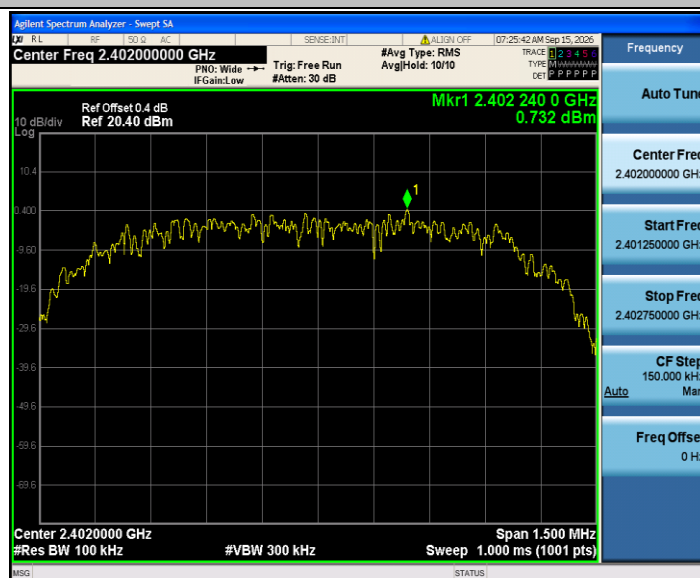
2DH5_Ant1_2480_30~1000



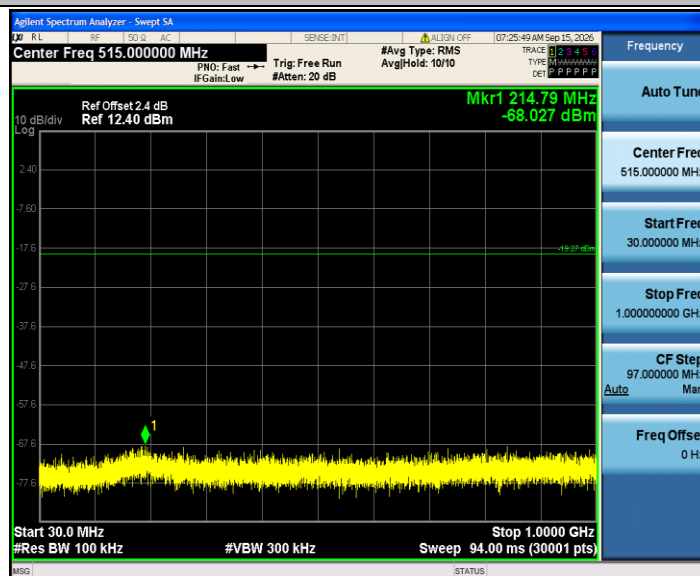
2DH5_Ant1_2480_1000~26500



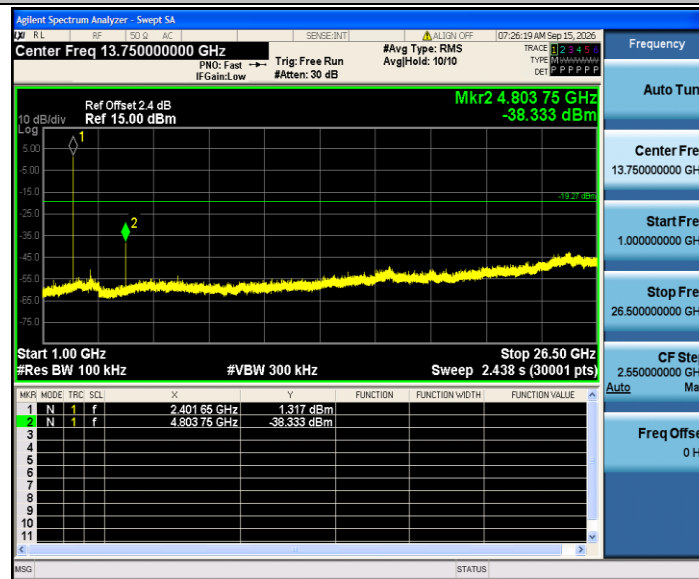
3DH5_Ant1_2402_0~Reference



3DH5_Ant1_2402_30~1000



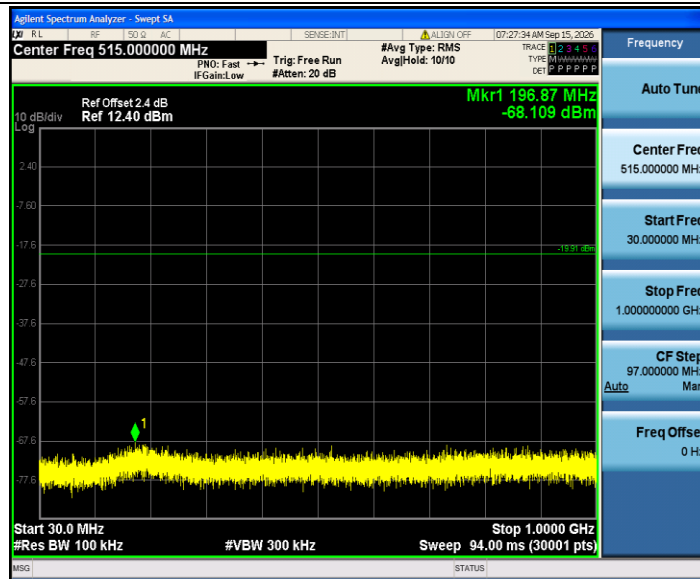
3DH5_Ant1_2402_1000~26500



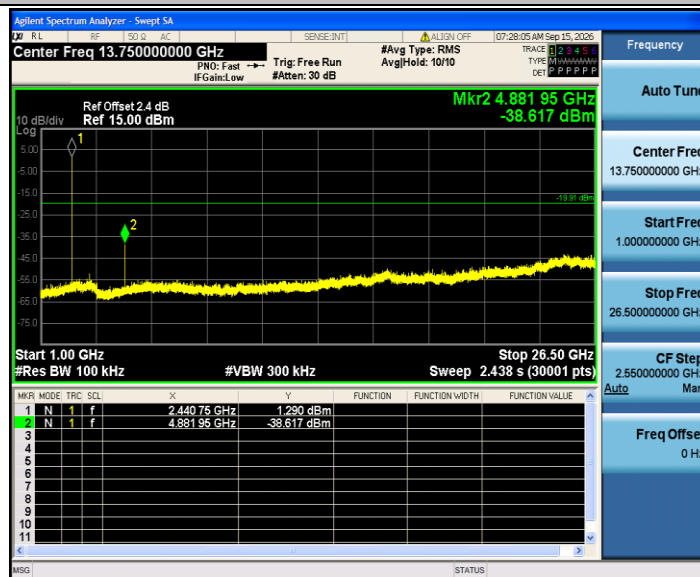
3DH5_Ant1_2441_0~Reference



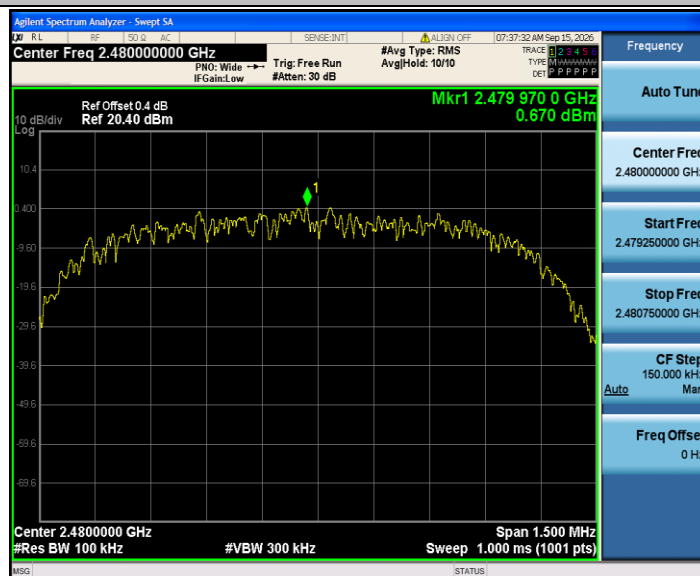
3DH5_Ant1_2441_30~1000



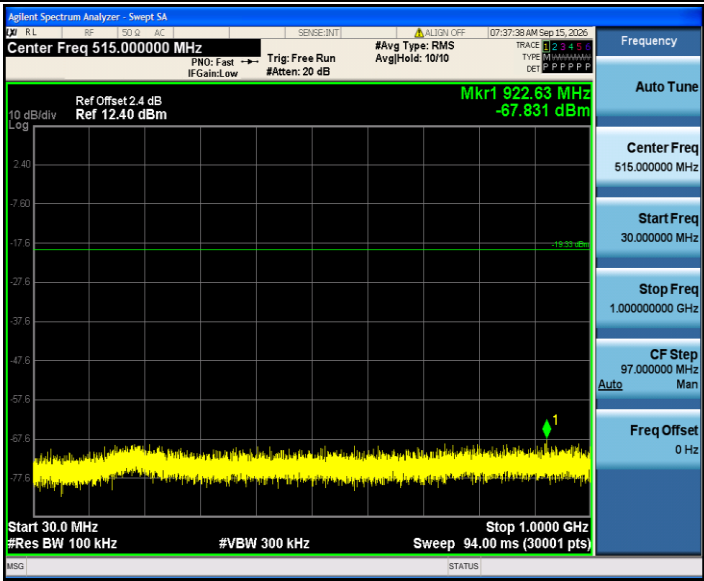
3DH5_Ant1_2441_1000~26500



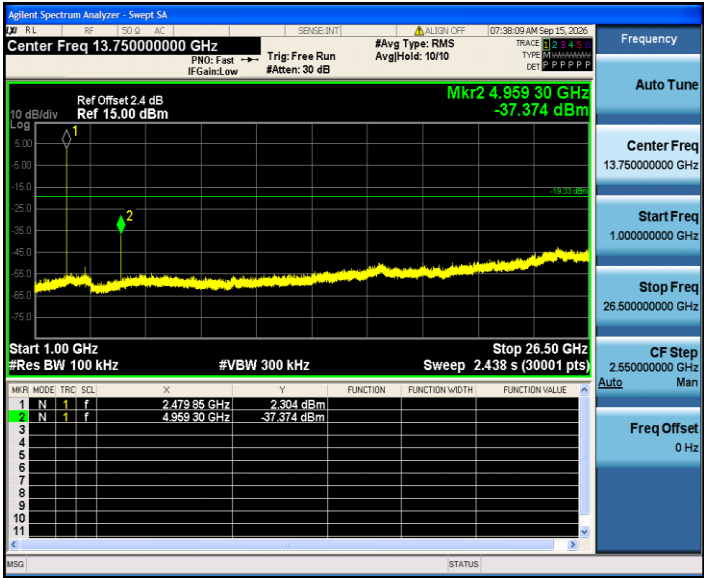
3DH5_Ant1_2480_0~Reference



3DH5_Ant1_2480_30~1000



3DH5_Ant1_2480_1000~26500



Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.87	3.74	76.74	1.15	---	---
		2441	2.87	3.74	76.74	1.15	---	---
		2480	2.87	3.75	76.53	1.16	---	---
2DH5	Ant1	2402	1.97	3.74	52.67	2.78	---	---
		2441	1.97	3.75	52.53	2.80	---	---
		2480	1.96	3.74	52.41	2.81	---	---
3DH5	Ant1	2402	2.88	3.75	76.80	1.15	---	---
		2441	2.88	3.75	76.80	1.15	---	---
		2480	2.88	3.75	76.80	1.15	---	---

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.402000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

0.03 dB

10 dB/div

Log

Center 2.402000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			6.08 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.02 dB
3	A1	1	t	(A)	3.740 ms (A)			0.03 dB

MSO

STATUS

DH5_Ant1_2402

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

Res BW 8 MHz

#VBW 8.0 MHz

Sweep 7.000 ms (1001 pts)

Span 0 Hz

CF Step 8.000000 MHz

Freq Offset 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.990 ms			5.68 dBm
2	A1	1	t	(A)	2.870 ms (A)			-0.06 dB
3	A1	1	t	(A)	3.740 ms (A)			-5.74 dB

MSO

STATUS

DH5_Ant1_2441

Agilent Spectrum Analyzer - Sweep SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms

#Avg Type: RMS

Trig: Video

IF Gain: Low

#Atten: 20 dB

Ref Offset 0.4 dB

Ref 10.40 dBm

$\Delta Mkr3$ 3.740 ms

-5.74 dB

10 dB/div

Log

Center 2.441000000 GHz

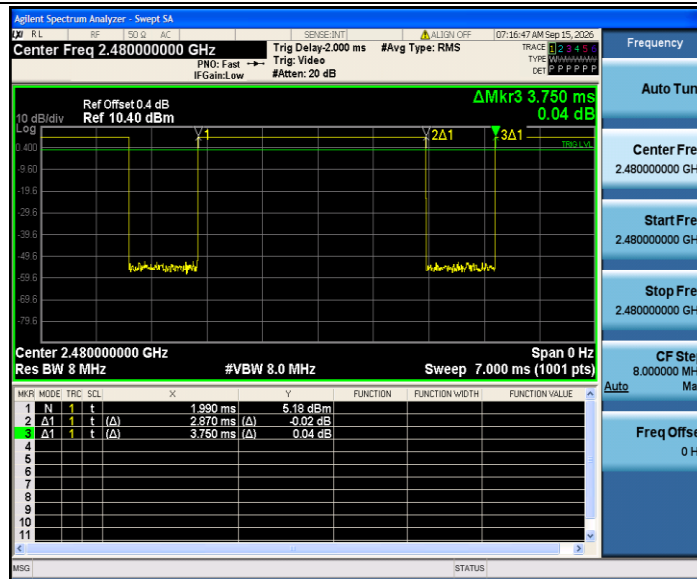
Res BW 8 MHz

#VBW 8.0 MHz

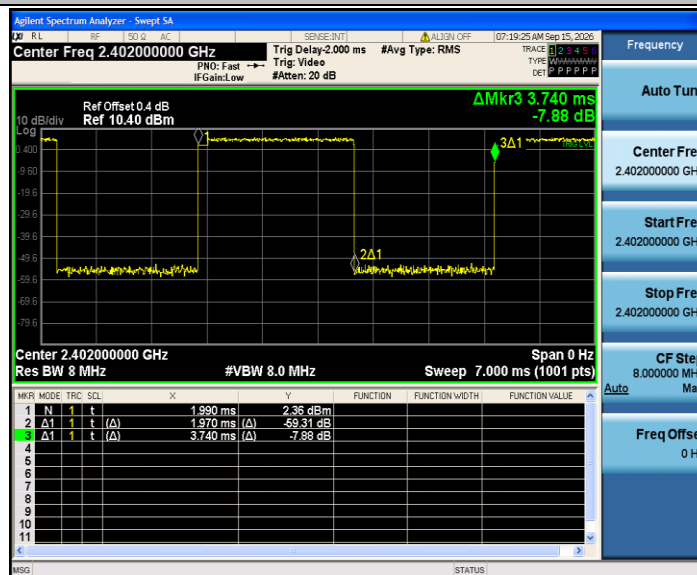
Sweep 7.000 ms (1001 pts)

Span 0 Hz

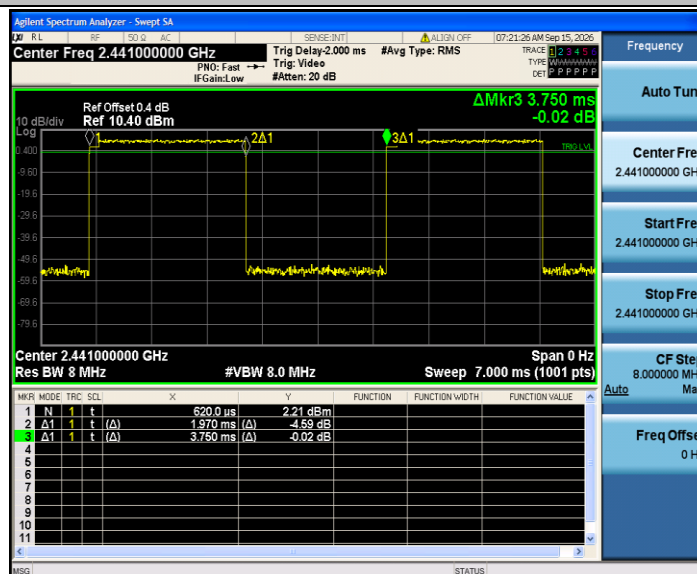
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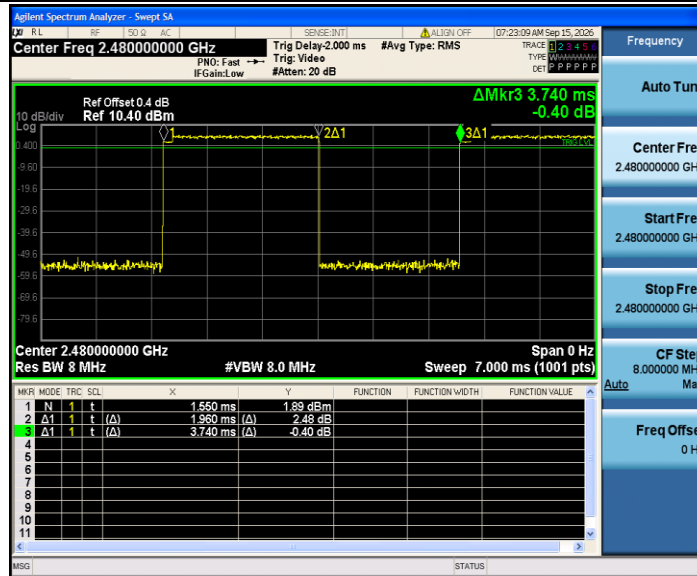
2DH5_Ant1_2402



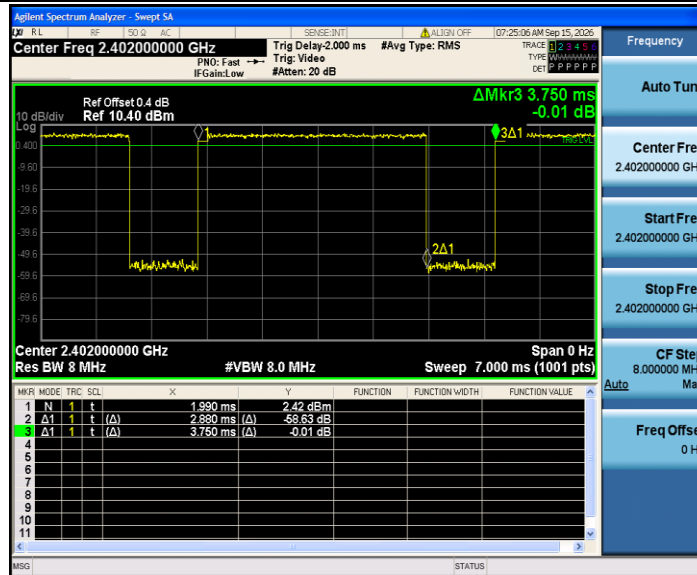
2DH5_Ant1_2441



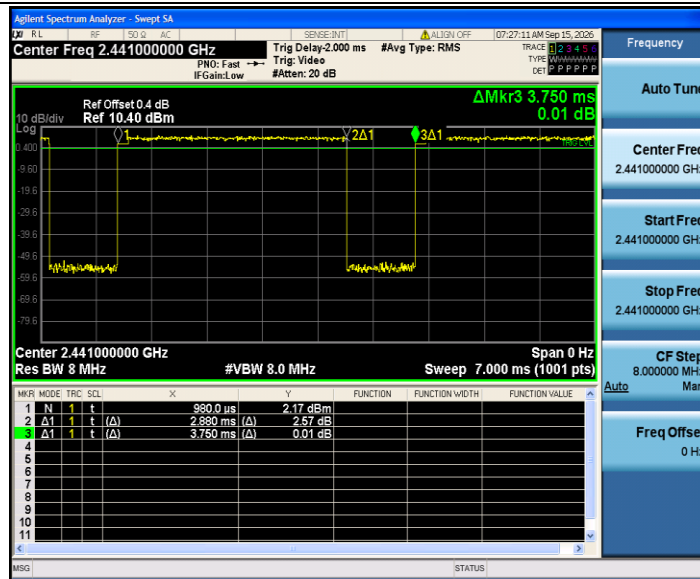
2DH5_Ant1_2480



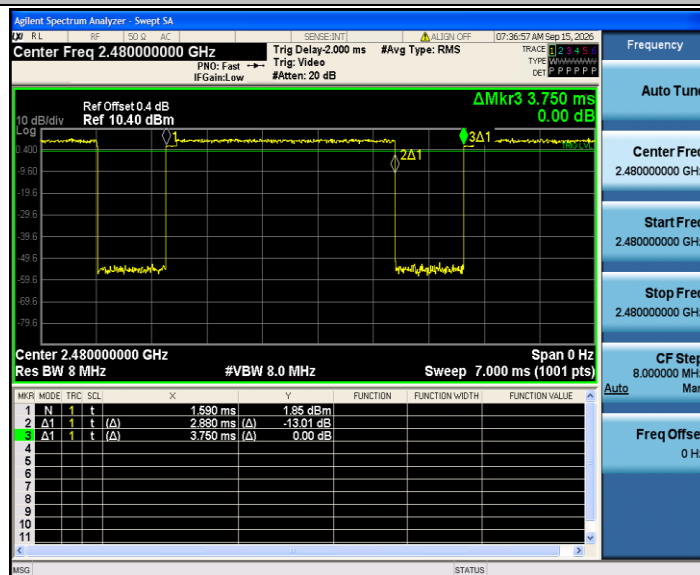
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

Test Result

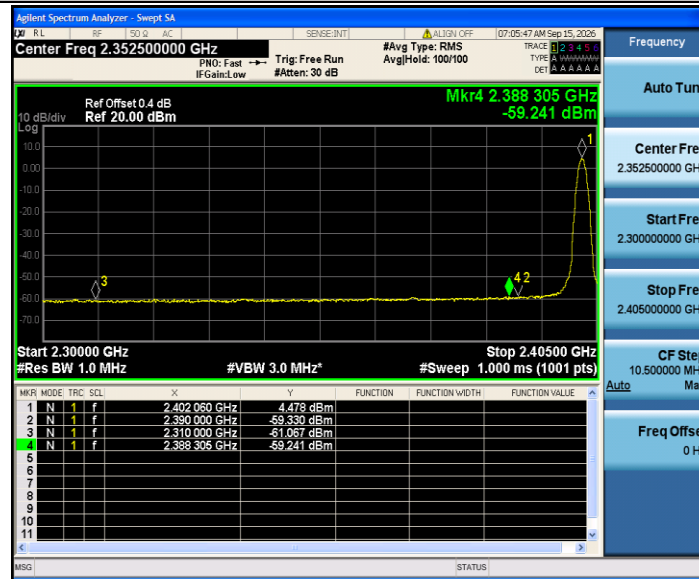
TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-61.07	3.55	1.15	38.83	≤54	PASS
				AV	2388.305	-59.24	3.55	1.15	40.66	≤54	PASS
				AV	2390.000	-59.33	3.55	1.15	40.57	≤54	PASS
				Peak	2310.000	-53.86	3.55	0.00	44.89	≤74	PASS
				Peak	2389.040	-47.98	3.55	0.00	50.77	≤74	PASS
				Peak	2390.000	-51.9	3.55	0.00	46.85	≤74	PASS
		High	2480	AV	2483.500	-56.63	3.55	1.16	43.28	≤54	PASS
				AV	2483.600	-56.39	3.55	1.16	43.52	≤54	PASS
				AV	2500.000	-59.55	3.55	1.16	40.36	≤54	PASS
				Peak	2483.500	-48.6	3.55	0.00	50.15	≤74	PASS
				Peak	2484.000	-47.42	3.55	0.00	51.33	≤74	PASS
				Peak	2500.000	-52.03	3.55	0.00	46.72	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-61.72	3.55	2.78	39.81	≤54	PASS
				AV	2369.825	-59.92	3.55	2.78	41.61	≤54	PASS
				AV	2390.000	-60.66	3.55	2.78	40.87	≤54	PASS
				Peak	2310.000	-54.26	3.55	0.00	44.49	≤74	PASS
				Peak	2358.695	-49.76	3.55	0.00	48.99	≤74	PASS
				Peak	2390.000	-52.23	3.55	0.00	46.52	≤74	PASS
		High	2480	AV	2483.500	-58.12	3.55	2.81	43.44	≤54	PASS
				AV	2483.680	-57.79	3.55	2.81	43.77	≤54	PASS
				AV	2500.000	-60.18	3.55	2.81	41.38	≤54	PASS
				Peak	2483.500	-46.35	3.55	0.00	52.4	≤74	PASS
				Peak	2483.600	-45.51	3.55	0.00	53.24	≤74	PASS
				Peak	2500.000	-52.56	3.55	0.00	46.19	≤74	PASS
3DH5	Ant1	Low	2402	AV	2310.000	-61.15	3.55	1.15	38.75	≤54	PASS
				AV	2384.735	-59.06	3.55	1.15	40.84	≤54	PASS
				AV	2390.000	-60.01	3.55	1.15	39.89	≤54	PASS
				Peak	2310.000	-53.13	3.55	0.00	45.62	≤74	PASS
				Peak	2379.170	-49.39	3.55	0.00	49.36	≤74	PASS
				Peak	2390.000	-52.76	3.55	0.00	45.99	≤74	PASS
		High	2480	AV	2483.500	-57.23	3.55	1.15	42.67	≤54	PASS
				AV	2483.520	-57.23	3.55	1.15	42.67	≤54	PASS
				AV	2500.000	-59.7	3.55	1.15	40.2	≤54	PASS
				Peak	2483.500	-45.45	3.55	0.00	53.3	≤74	PASS
				Peak	2483.760	-44.28	3.55	0.00	54.47	≤74	PASS
				Peak	2500.000	-51.29	3.55	0.00	47.46	≤74	PASS

Note:

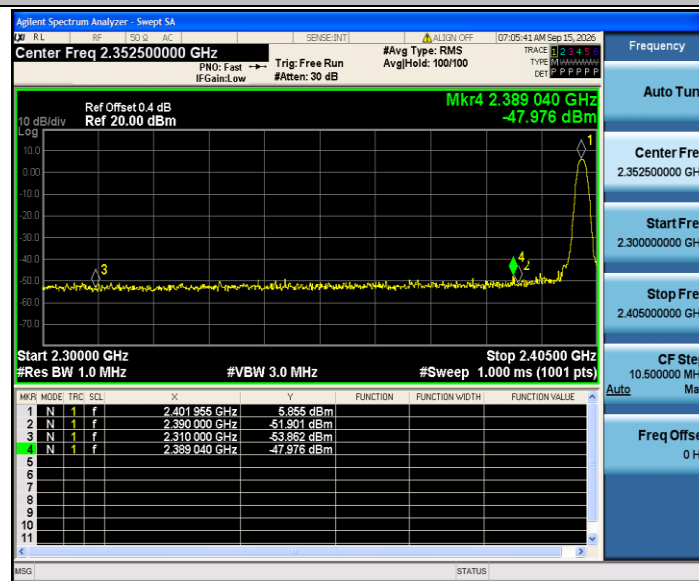
The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

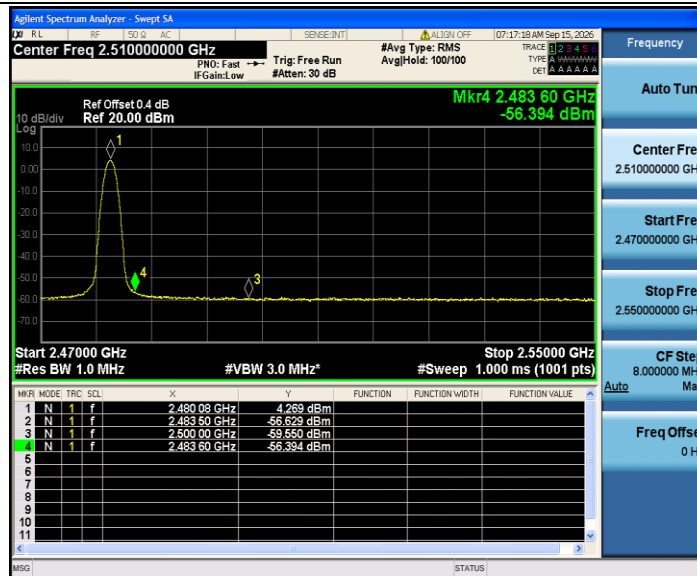
DH5_Ant1_Low_2402_AV



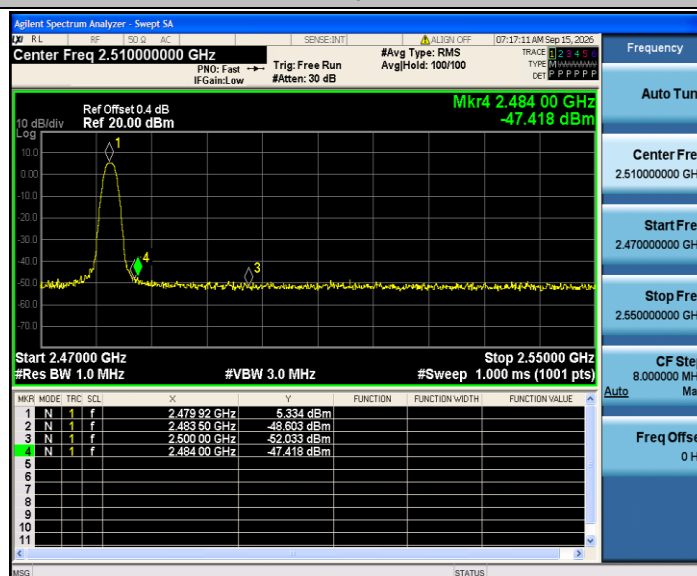
DH5_Ant1_Low_2402_Peak



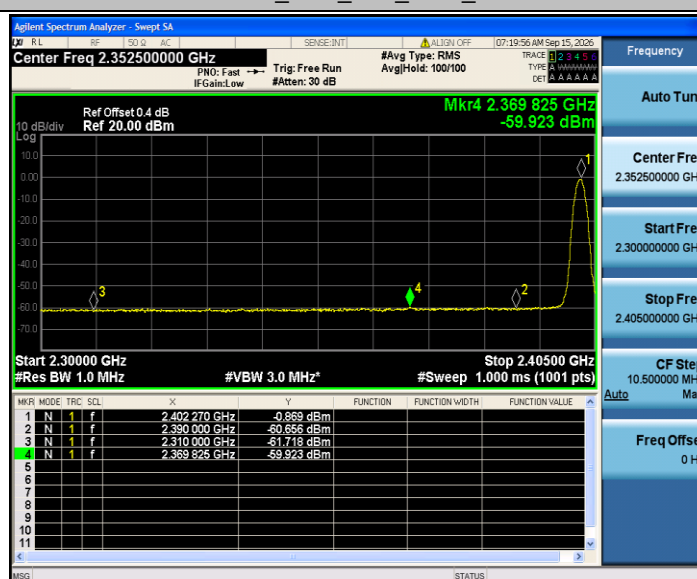
DH5_Ant1_High_2480_AV



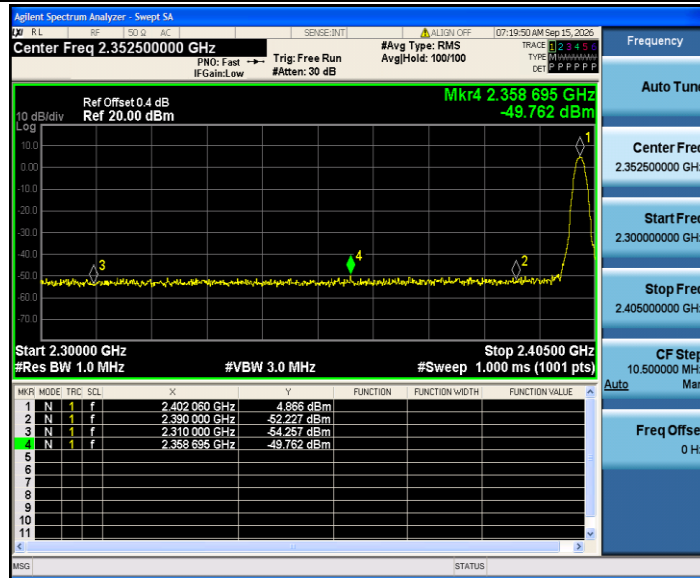
DH5_Ant1_High_2480_Peak



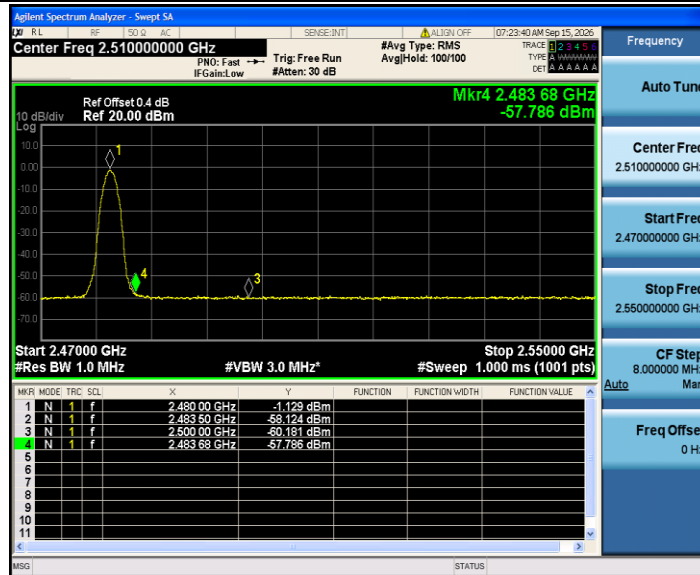
2DH5_Ant1_Low_2402_AV



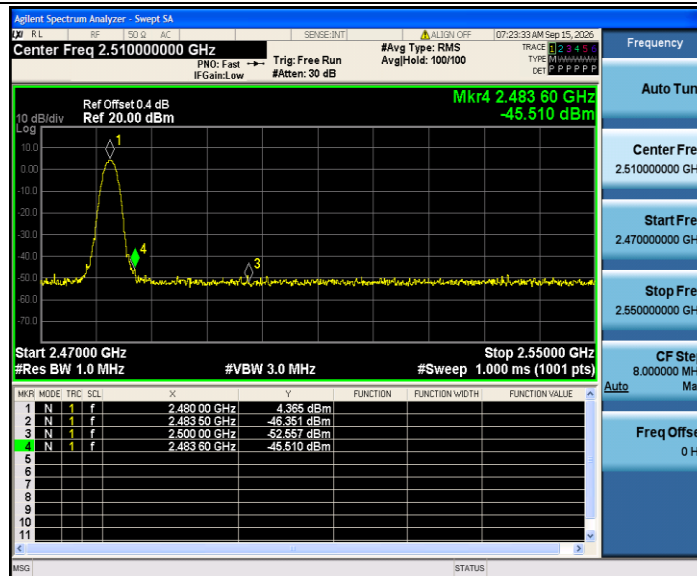
2DH5_Ant1_Low_2402_Peak



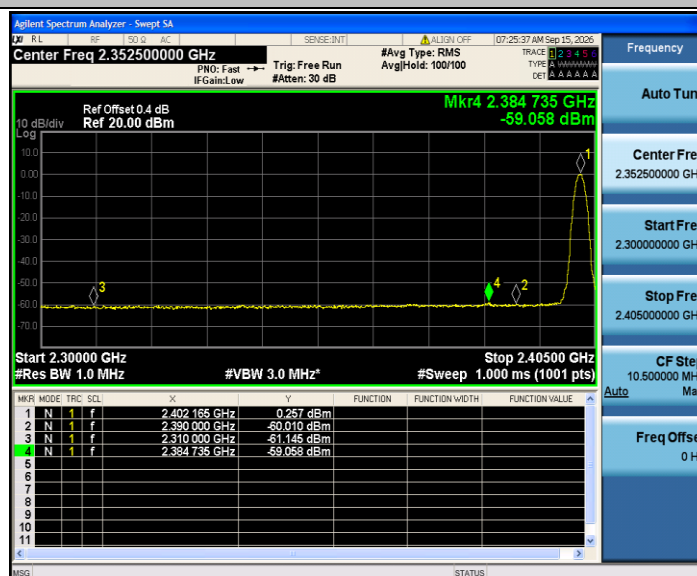
2DH5_Ant1_High_2480_AV



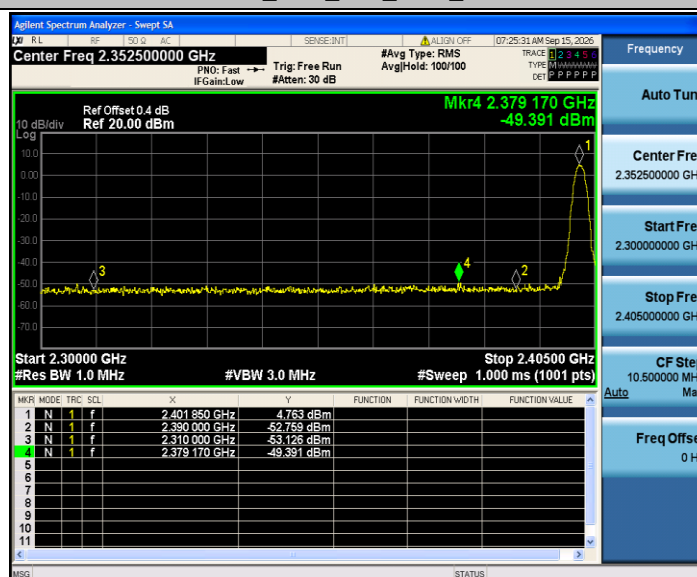
2DH5_Ant1_High_2480_Peak



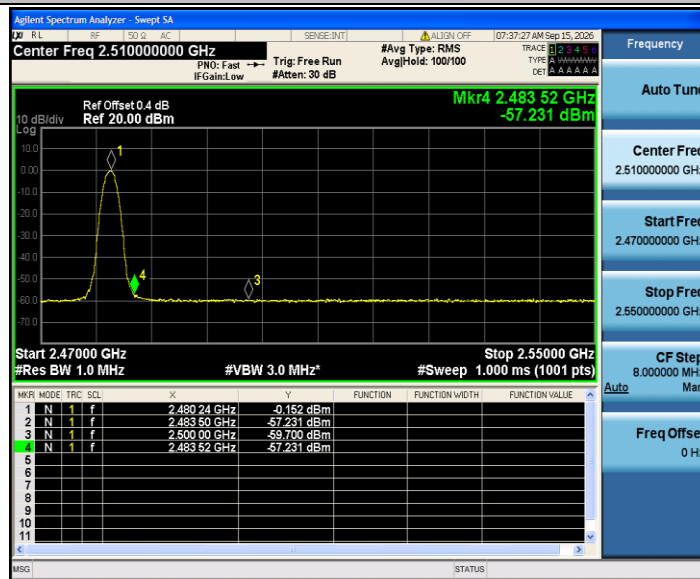
3DH5_Ant1_Low_2402_AV



3DH5_Ant1_Low_2402_Peak



3DH5_Ant1_High_2480_AV



3DH5_Ant1_High_2480_Peak

