

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.402000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video #Atten: 20 dB

Ref Offset 0.5 dB Ref 10.50 dBm

ΔMkr3 3.750 ms 4.15 dB

Center 2.402000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 7.000 ms (1001 pts) Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.980 ms	-16.59 dBm		
2	A1	1	t	(Δ)	2.910 ms (Δ)	13.50 dB		
3	A1	1	t	(Δ)	3.750 ms (Δ)	4.15 dB		

Frequency

Auto Tune

Center Freq 2.402000000 GHz

Start Freq 2.402000000 GHz

Stop Freq 2.402000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

DH5_Ant1_2402

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video #Atten: 20 dB

Ref Offset 0.5 dB Ref 10.50 dBm

ΔMkr3 3.750 ms 4.07 dB

Center 2.441000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 7.000 ms (1001 pts) Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.980 ms	-17.62 dBm		
2	A1	1	t	(Δ)	2.910 ms (Δ)	14.66 dB		
3	A1	1	t	(Δ)	3.750 ms (Δ)	4.07 dB		

Frequency

Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

DH5_Ant1_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video #Atten: 20 dB

Ref Offset 0.5 dB Ref 10.50 dBm

ΔMkr3 3.750 ms 4.07 dB

Center 2.441000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 7.000 ms (1001 pts) Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.980 ms	-17.62 dBm		
2	A1	1	t	(Δ)	2.910 ms (Δ)	14.66 dB		
3	A1	1	t	(Δ)	3.750 ms (Δ)	4.07 dB		

Frequency

Auto Tune

Center Freq 2.441000000 GHz

Start Freq 2.441000000 GHz

Stop Freq 2.441000000 GHz

CF Step 8.000000 MHz Man

Freq Offset 0 Hz

DH5_Ant1_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.440000000 GHz

Trig Delay: 2.000 ms #Avg Type: RMS

Trig: Video #Atten: 20 dB

Ref Offset 0.5 dB Ref 10.50 dBm

ΔMkr3 3.750 ms 4.07 dB

Center 2.440000000 GHz Res BW 8 MHz #VBW 8.0 MHz Sweep 7.000 ms (1001 pts) Span 0 Hz

MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	t		1.980 ms	-17.62 dBm		
2	A1	1	t	(Δ)	2.910 ms (Δ)	14.66 dB		
3	A1	1	t	(Δ)	3.750 ms (Δ)	4.07 dB		

Frequency

Auto Tune

Center Freq 2.440000000 GHz

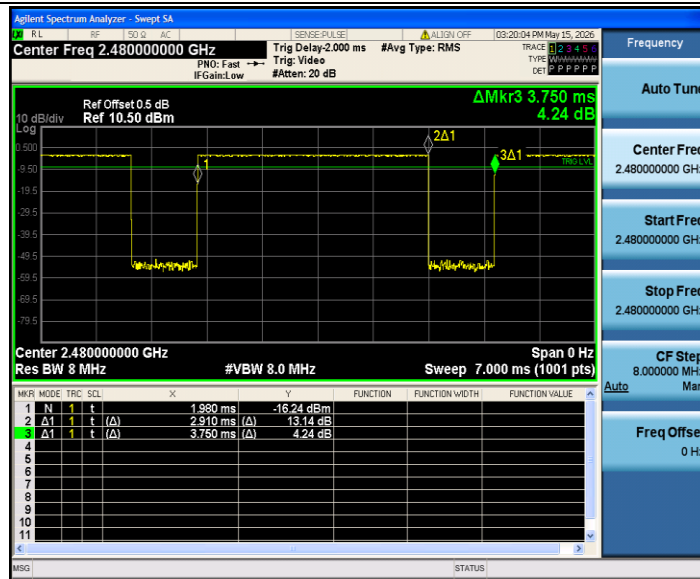
Start Freq 2.440000000 GHz

Stop Freq 2.440000000 GHz

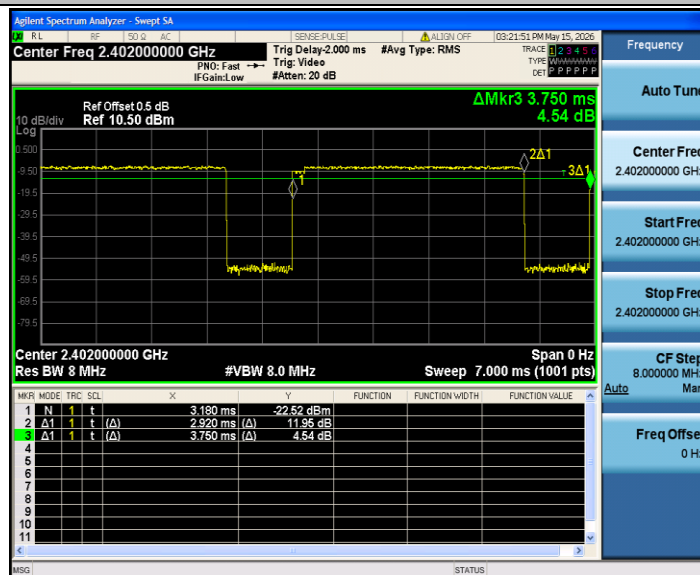
CF Step 8.000000 MHz Man

Freq Offset 0 Hz

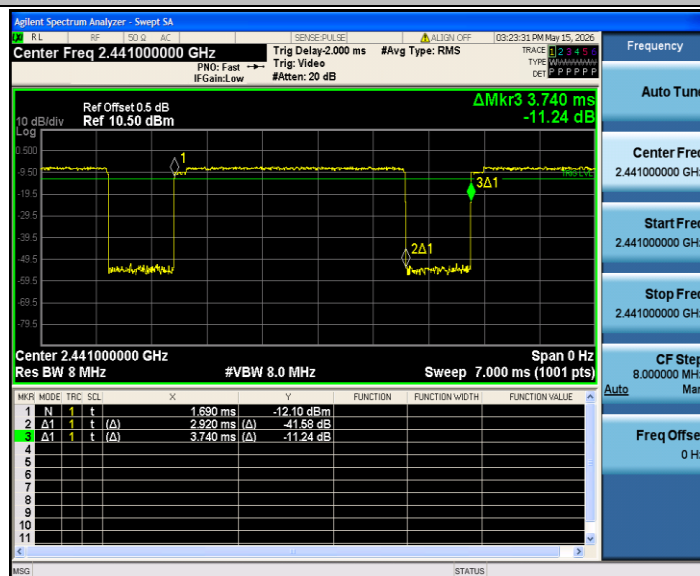
DH5_Ant1_2440



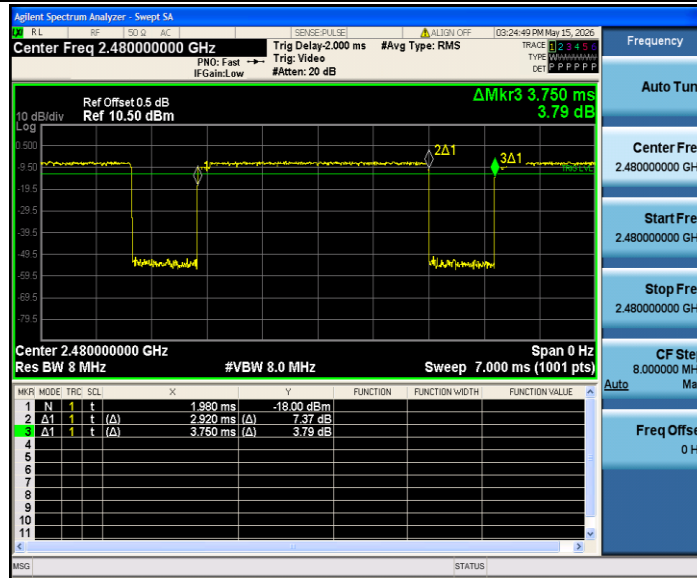
2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



Appendix J: Emissions in Restricted Bands

Test Result

TestMod e	Antenn a	ChNam e	Freq(MH z)	Detector	Freq [MHz]	Result [dBm]	Gain [dB]	DC Factor [dB]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
DH5	Ant1	Low	2402	AV	2310.000	-60.09	2.00	1.10	38.21	≤54	PASS
				AV	2371.925	-58.48	2.00	1.10	39.82	≤54	PASS
				AV	2390.000	-58.7	2.00	1.10	39.60	≤54	PASS
				Peak	2310.000	-52.31	2.00	0.00	44.89	≤74	PASS
				Peak	2383.370	-48.02	2.00	0.00	49.18	≤74	PASS
				Peak	2390.000	-50.61	2.00	0.00	46.59	≤74	PASS
		High	2480	AV	2483.500	-59.11	2.00	1.10	39.19	≤54	PASS
				AV	2483.840	-57.87	2.00	1.10	40.43	≤54	PASS
				AV	2500.000	-58.88	2.00	1.10	39.42	≤54	PASS
				Peak	2483.500	-50.13	2.00	0.00	47.07	≤74	PASS
				Peak	2484.880	-48.41	2.00	0.00	48.79	≤74	PASS
				Peak	2500.000	-51.55	2.00	0.00	45.65	≤74	PASS
2DH5	Ant1	Low	2402	AV	2310.000	-59.81	2.00	1.09	38.48	≤54	PASS
				AV	2367.515	-58.4	2.00	1.09	39.89	≤54	PASS
				AV	2390.000	-59.23	2.00	1.09	39.06	≤54	PASS
				Peak	2310.000	-51.99	2.00	0.00	45.21	≤74	PASS
				Peak	2367.095	-48.06	2.00	0.00	49.14	≤74	PASS
				Peak	2390.000	-50.81	2.00	0.00	46.39	≤74	PASS
		High	2480	AV	2483.500	-58.3	2.00	1.09	39.99	≤54	PASS
				AV	2483.600	-58.23	2.00	1.09	40.06	≤54	PASS
				AV	2500.000	-58.48	2.00	1.09	39.81	≤54	PASS
				Peak	2483.500	-50.84	2.00	0.00	46.36	≤74	PASS
				Peak	2492.000	-48.38	2.00	0.00	48.82	≤74	PASS
				Peak	2500.000	-50.46	2.00	0.00	46.74	≤74	PASS

Note:

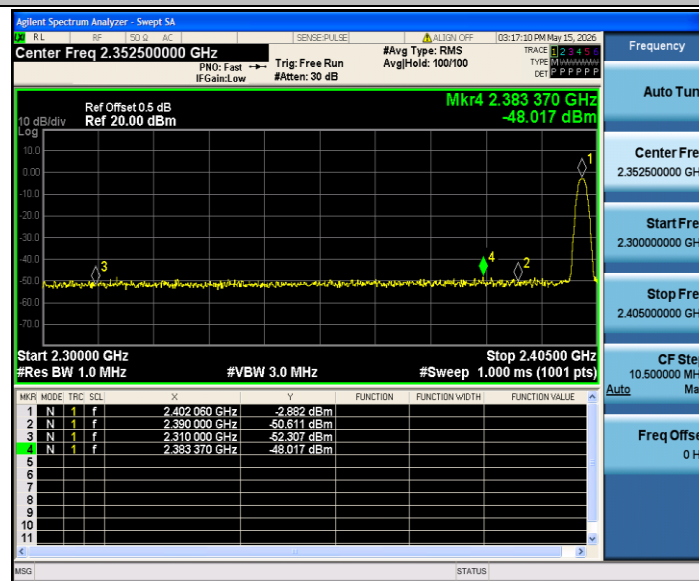
1. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

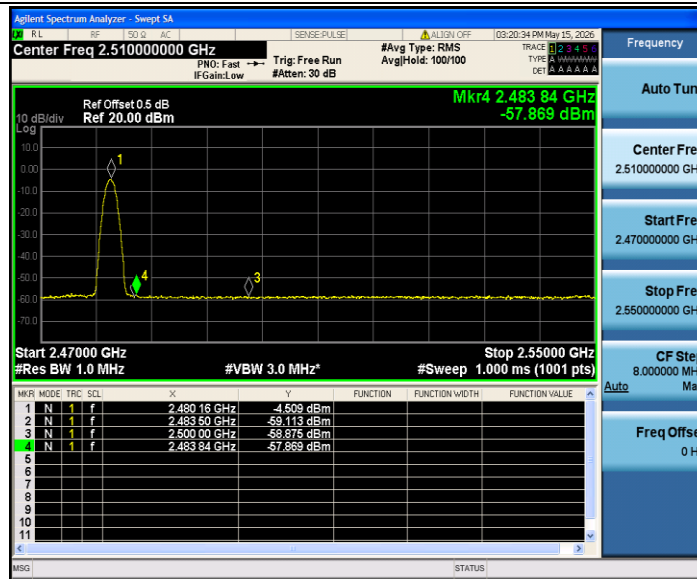
DH5_Ant1_Low_2402_AV



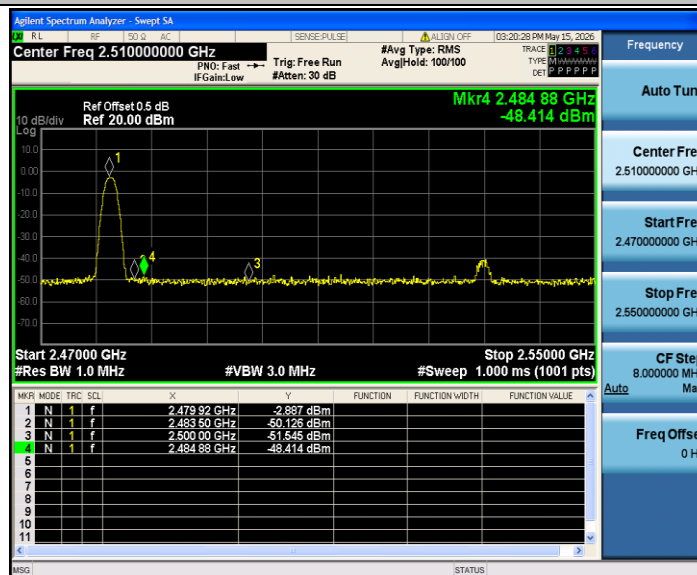
DH5_Ant1_Low_2402_Peak



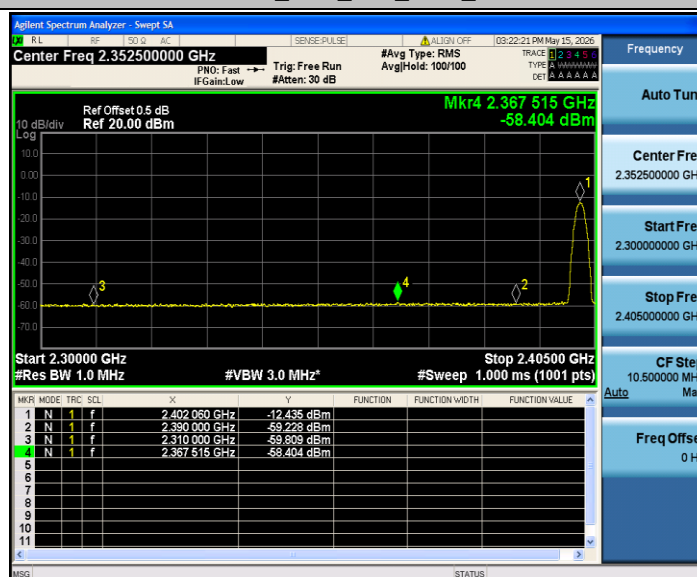
DH5_Ant1_High_2480_AV



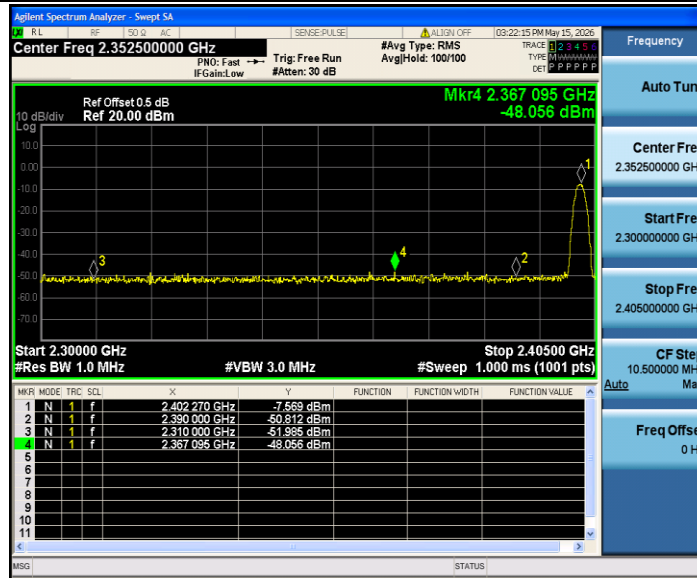
DH5_Ant1_High_2480_Peak



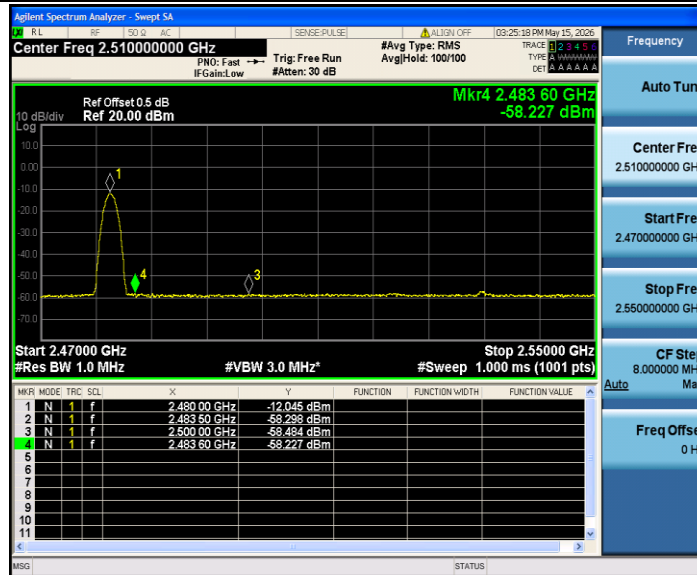
2DH5_Ant1_Low_2402_AV



2DH5_Ant1_Low_2402_Peak



2DH5_Ant1_High_2480_AV



2DH5_Ant1_High_2480_Peak

