

7.7 Unwanted Emissions

7.7.1 Duty Cycle Correction Factor

Bluetooth 1M

Time ON of 100ms: 2.900 ms
Duty Cycle=2.9ms / 100ms= 0.029
Duty Cycle correction factor=20 LOG 0.029 = -30.75 dB

Bluetooth 3M

Time ON of 100ms: 2.900 ms
Duty Cycle=2.9ms / 100ms= 0.029
Duty Cycle correction factor=20 LOG 0.029 = -30.75 dB

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SGS Taiwan Ltd.

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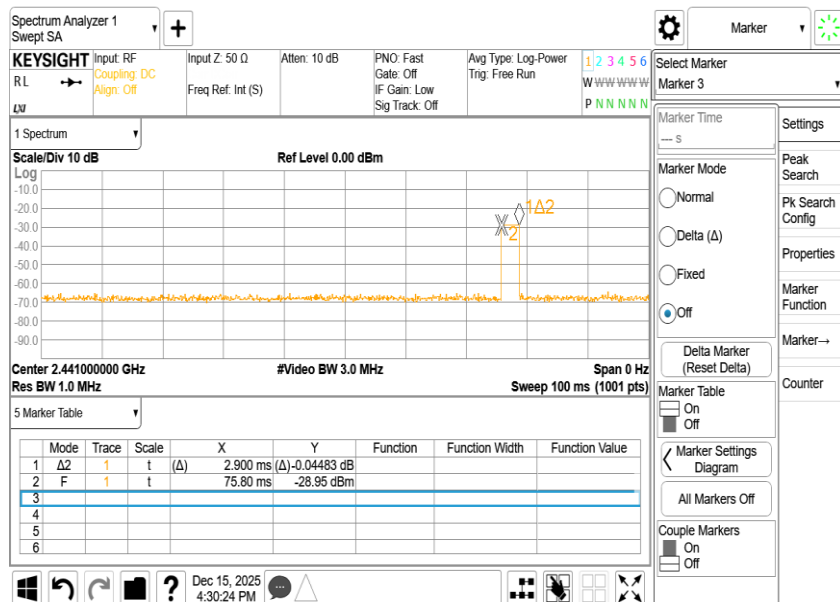
f (886-2) 2298-0488

www.sgs.com.tw

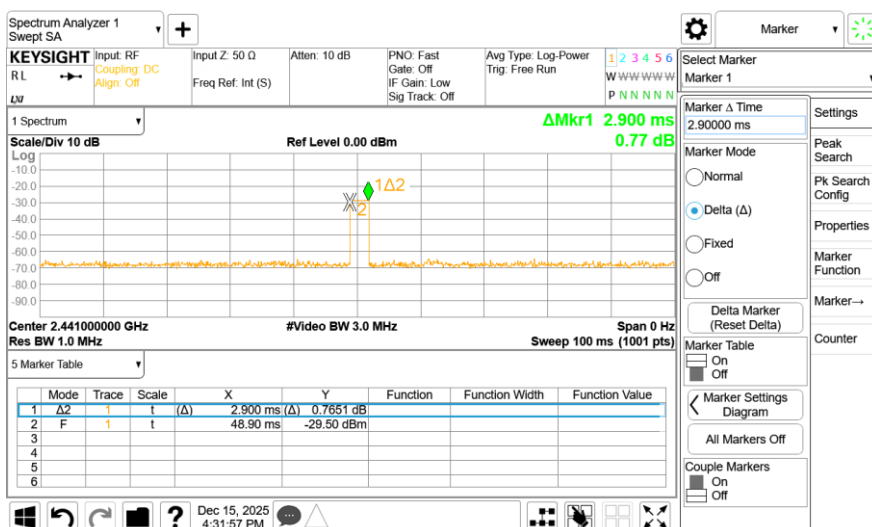
Member of SGS Group

7.7.2 Duty Cycle test plot

BR



EDR



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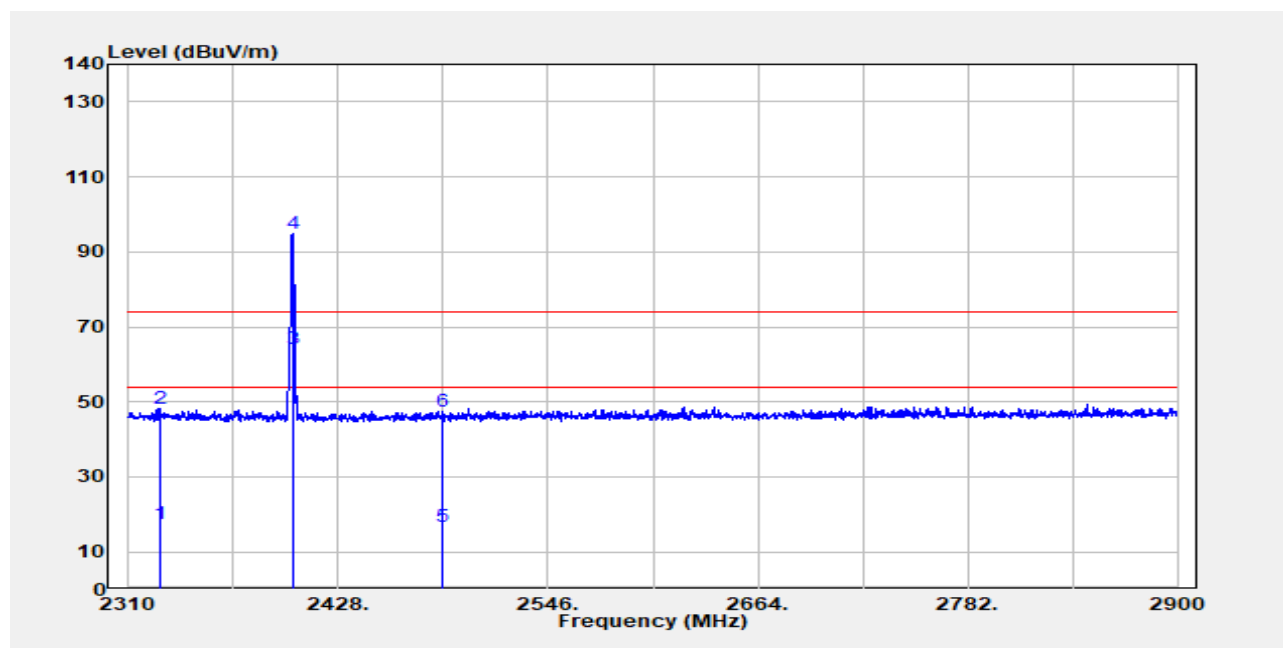
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7.7.3 Bandedge Result

Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2327.31	Average	-	-	17.35	54.00	-36.65
2327.31	Peak	51.45	-3.35	48.10	74.00	-25.90
2402.07	Average	-	-	63.93	-	-
2402.07	Peak	98.52	-3.84	94.68	-	-
2486.67	Average	-	-	16.76	54.00	-37.24
2486.67	Peak	51.07	-3.56	47.51	74.00	-26.49

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

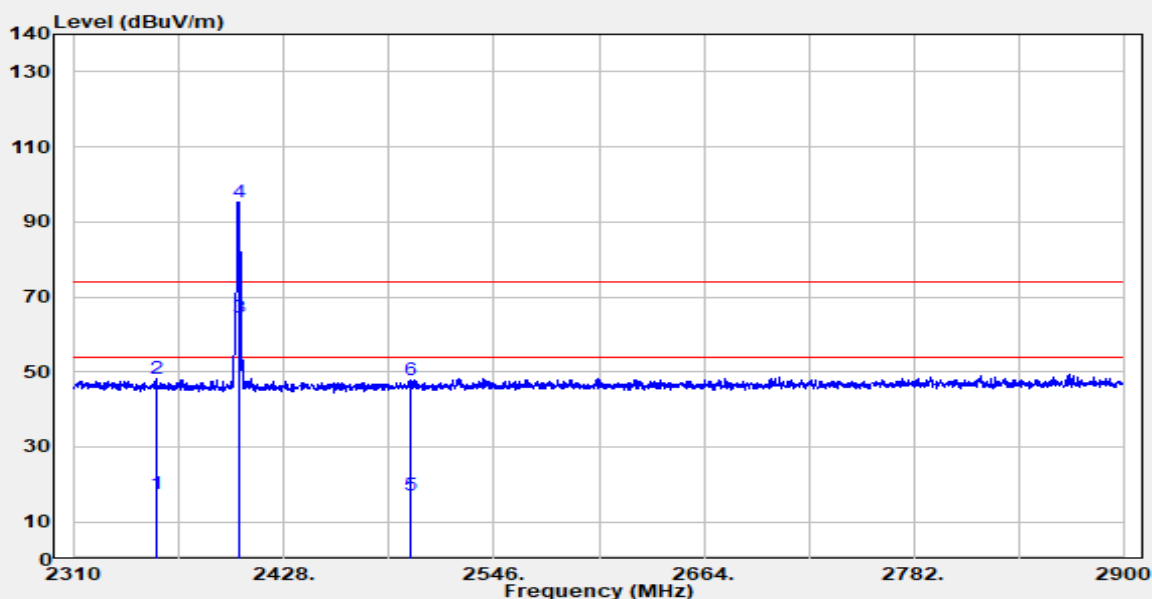
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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2355.84	Average	-	-	17.53	54.00	-36.47
2355.84	Peak	51.83	-3.55	48.28	74.00	-25.72
2402.07	Average	-	-	64.64	-	-
2402.07	Peak	99.23	-3.84	95.39	-	-
2498.67	Average	-	-	16.88	54.00	-37.12
2498.67	Peak	51.20	-3.57	47.63	74.00	-26.37

Average Duty Cycle Factor=-30.75 (dB)

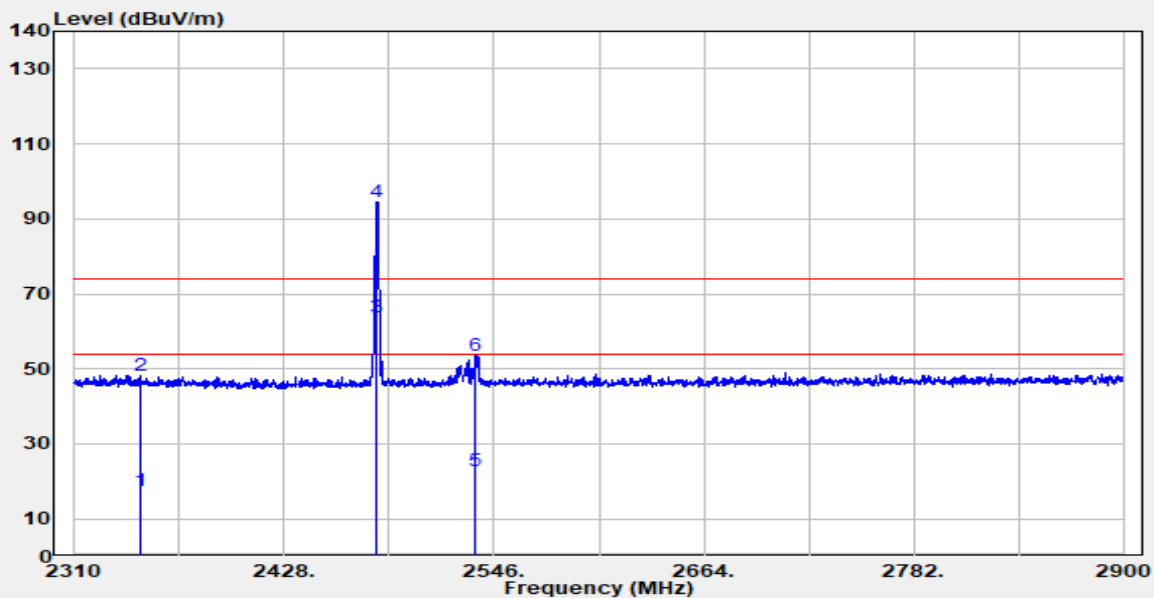
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2346.59	Average	-	-	17.61	54.00	-36.39
2346.59	Peak	51.86	-3.50	48.36	74.00	-25.64
2480.17	Average	-	-	63.72	-	-
2480.17	Peak	98.12	-3.65	94.47	-	-
2535.65	Average	-	-	22.83	54.00	-31.17
2535.65	Peak	56.97	-3.39	53.58	74.00	-20.42

Average Duty Cycle Factor=-30.75 (dB)

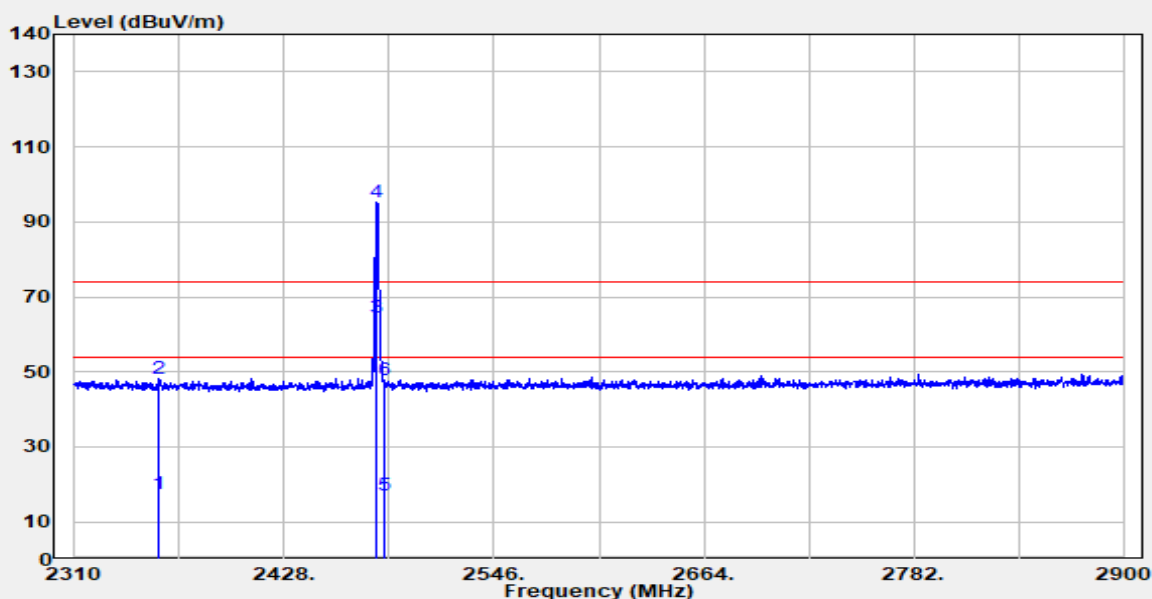
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2357.22	Average	-	-	17.29	54.00	-36.71
2357.22	Peak	51.59	-3.55	48.04	74.00	-25.96
2480.17	Average	-	-	64.32	-	-
2480.17	Peak	98.72	-3.65	95.07	-	-
2483.72	Average	-	-	17.04	54.00	-36.96
2483.72	Peak	51.39	-3.60	47.79	74.00	-26.21

Average Duty Cycle Factor=-30.75 (dB)

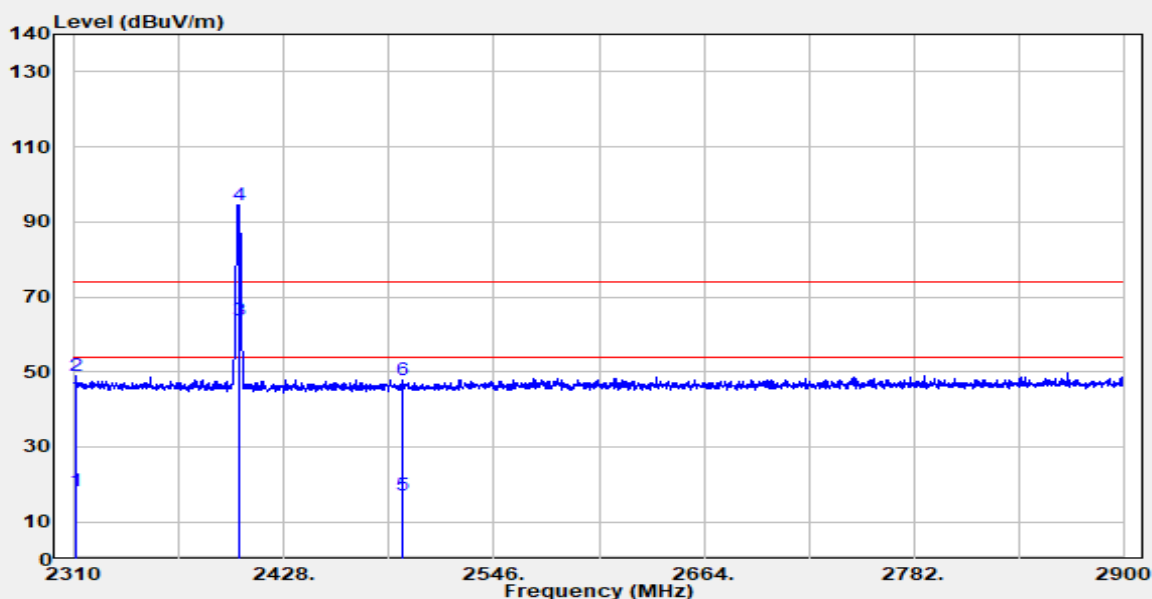
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2310.79	Average	-	-	18.08	54.00	-35.92
2310.79	Peak	52.07	-3.24	48.83	74.00	-25.17
2402.27	Average	-	-	63.90	-	-
2402.27	Peak	98.49	-3.84	94.65	-	-
2494.93	Average	-	-	17.08	54.00	-36.92
2494.93	Peak	51.38	-3.55	47.83	74.00	-26.17

Average Duty Cycle Factor=-30.75 (dB)

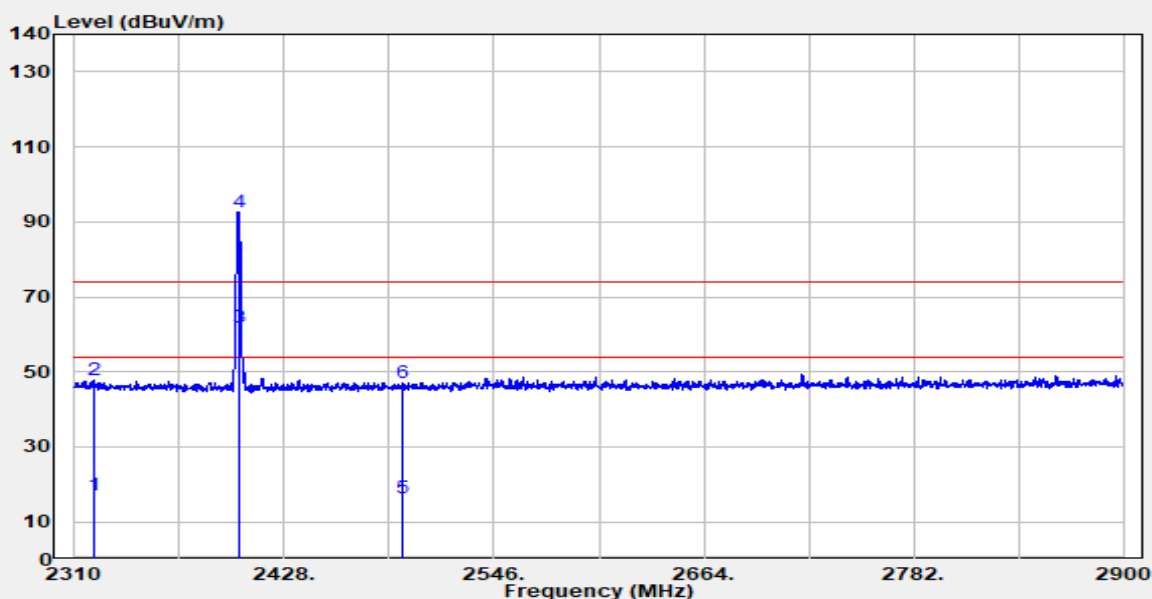
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2321.21	Average	-	-	16.97	54.00	-37.03
2321.21	Peak	51.00	-3.28	47.72	74.00	-26.28
2402.07	Average	-	-	61.82	-	-
2402.07	Peak	96.41	-3.84	92.57	-	-
2493.95	Average	-	-	16.39	54.00	-37.61
2493.95	Peak	50.69	-3.55	47.14	74.00	-26.86

Average Duty Cycle Factor=-30.75 (dB)

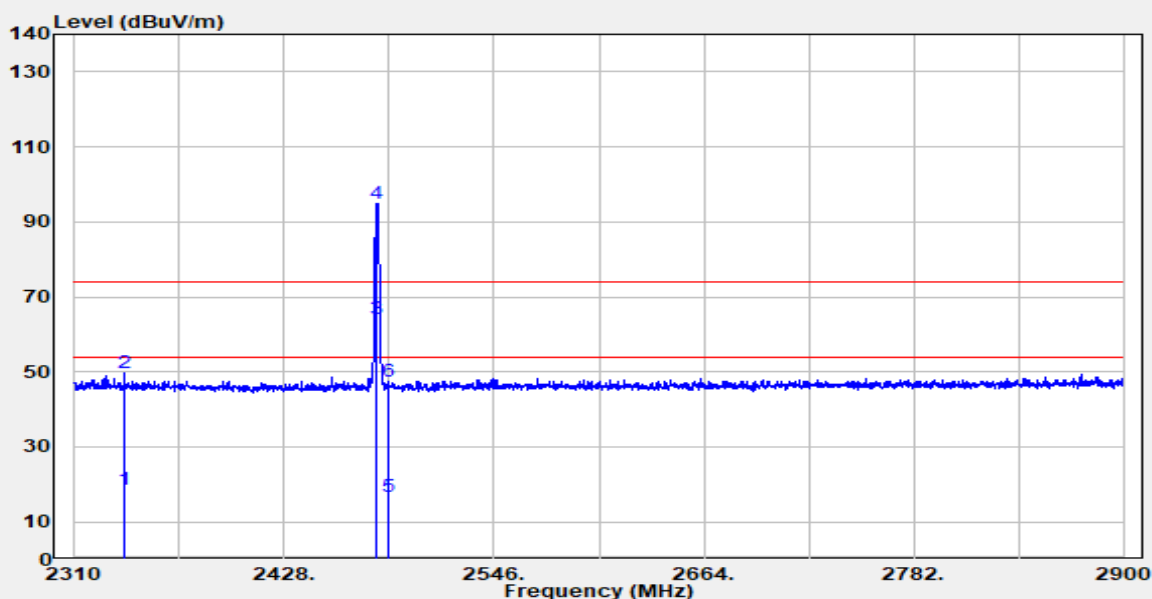
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2338.13	Average	-	-	18.77	54.00	-35.23
2338.13	Peak	52.92	-3.40	49.52	74.00	-24.48
2479.98	Average	-	-	63.98	-	-
2479.98	Peak	98.38	-3.65	94.73	-	-
2486.67	Average	-	-	16.66	54.00	-37.34
2486.67	Peak	50.97	-3.56	47.41	74.00	-26.59

Average Duty Cycle Factor=-30.75 (dB)

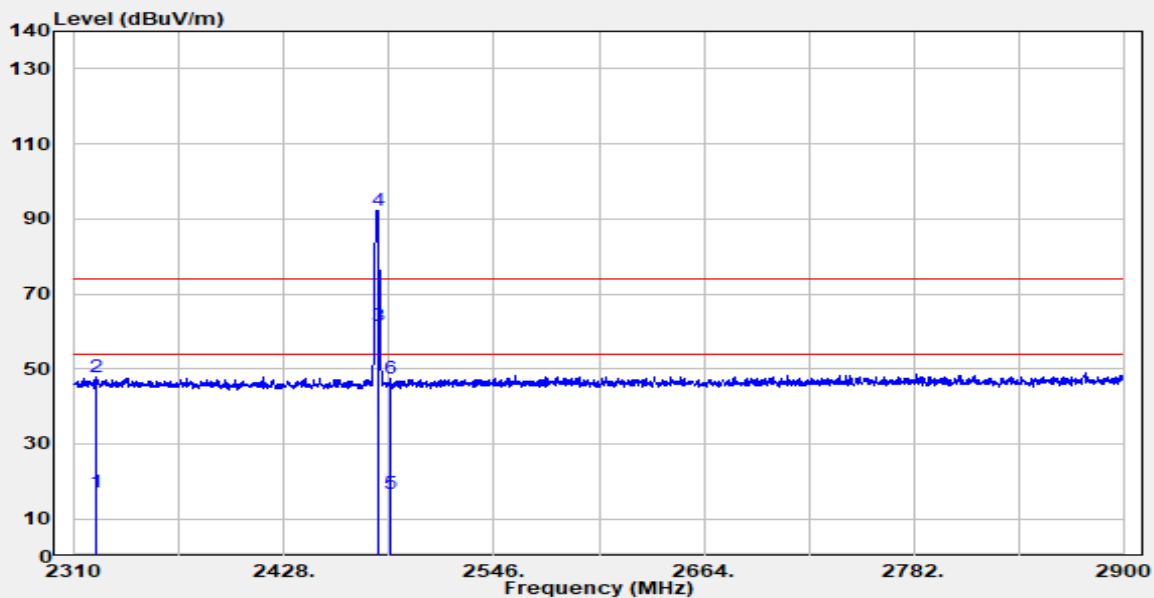
Average Level= Peak Level+ Duty Cycle Factor

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 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2322.00	Average	-	-	16.92	54.00	-37.08
2322.00	Peak	50.96	-3.29	47.67	74.00	-26.33
2480.37	Average	-	-	61.58	-	-
2480.37	Peak	95.98	-3.65	92.33	-	-
2487.45	Average	-	-	16.67	54.00	-37.33
2487.45	Peak	50.97	-3.55	47.42	74.00	-26.58

Average Duty Cycle Factor=-30.75 (dB)

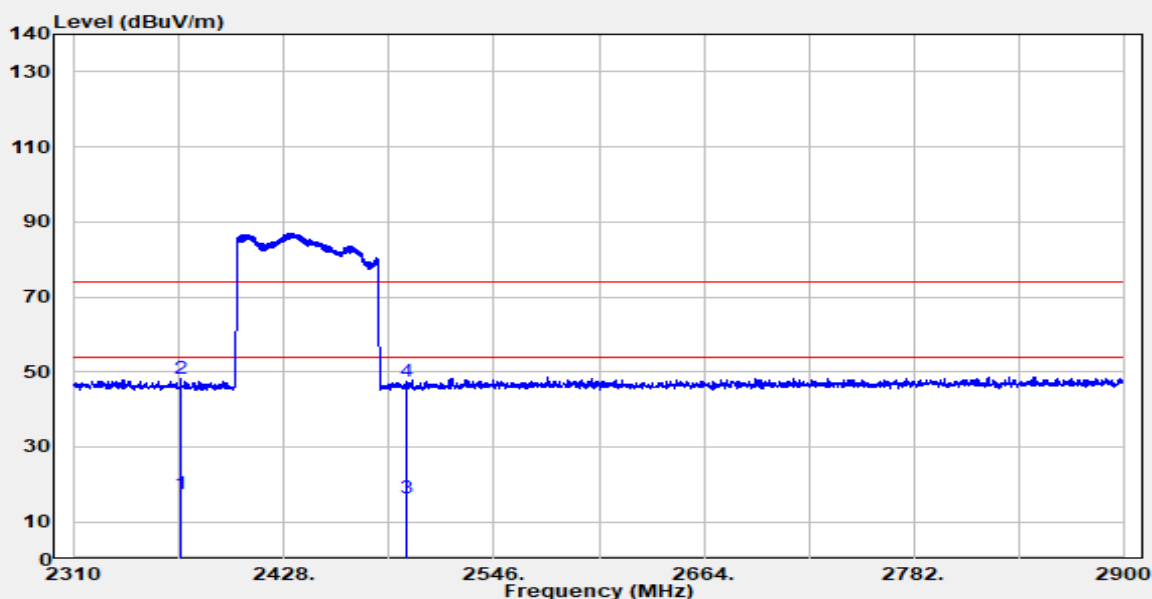
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :BR Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2369.61	Average	-	-	17.52	54.00	-36.48
2369.61	Peak	51.85	-3.58	48.27	74.00	-25.73
2496.70	Average	-	-	16.50	54.00	-37.50
2496.70	Peak	50.81	-3.56	47.25	74.00	-26.75

Average Duty Cycle Factor=-30.75 (dB)

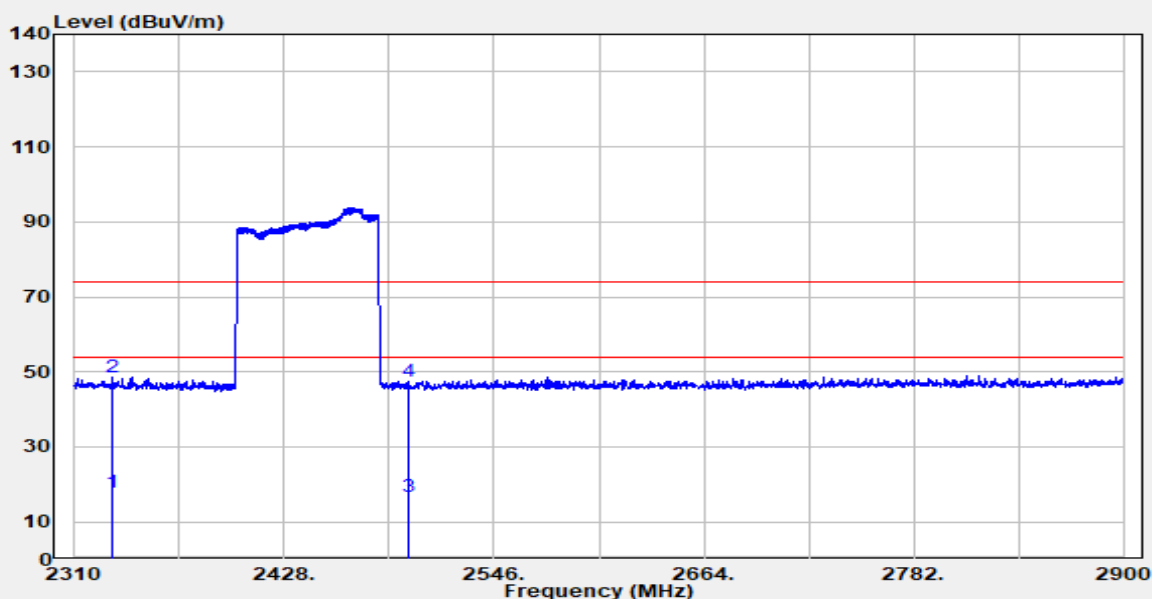
Average Level= Peak Level+ Duty Cycle Factor

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 Operation Mode :BR Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2331.44	Average	-	-	17.73	54.00	-36.27
2331.44	Peak	51.87	-3.39	48.48	74.00	-25.52
2497.68	Average	-	-	16.66	54.00	-37.34
2497.68	Peak	50.98	-3.57	47.41	74.00	-26.59

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

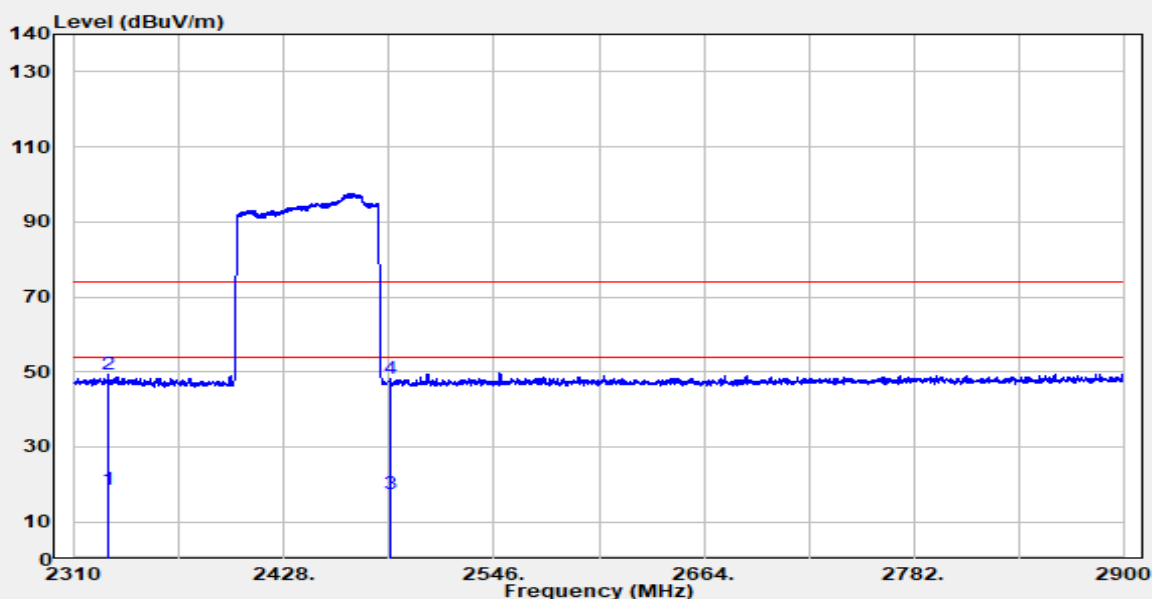
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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2328.49	Average	-	-	18.47	54.00	-35.53
2328.49	Peak	52.59	-3.37	49.22	74.00	-24.78
2487.85	Average	-	-	17.37	54.00	-36.63
2487.85	Peak	51.66	-3.54	48.12	74.00	-25.88

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

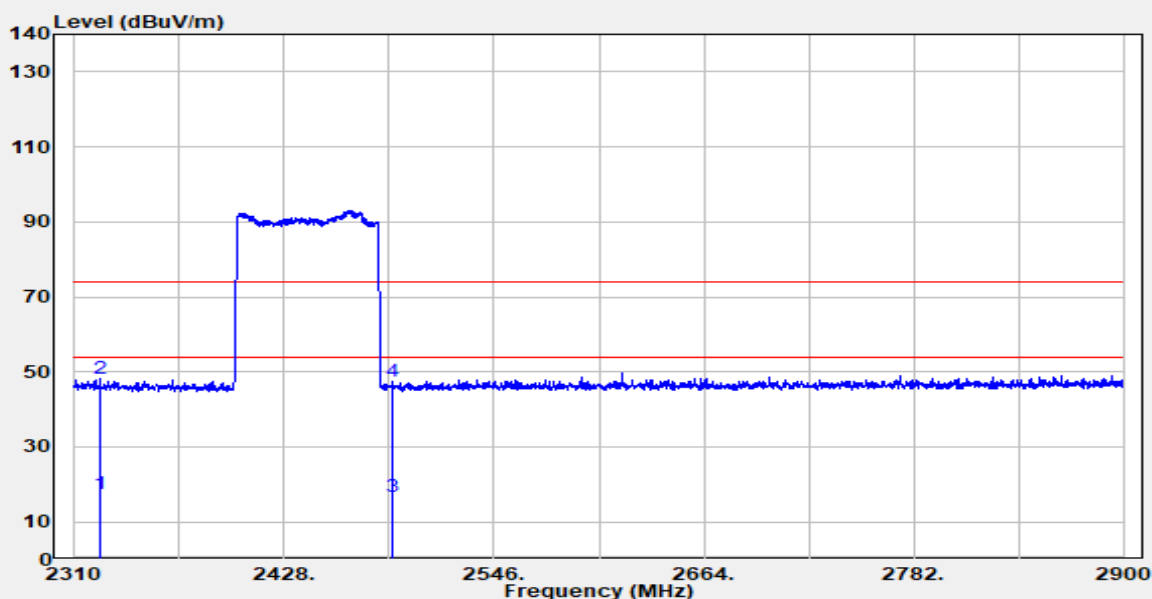
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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2324.36	Average	-	-	17.38	54.00	-36.62
2324.36	Peak	51.44	-3.31	48.13	74.00	-25.87
2488.63	Average	-	-	16.66	54.00	-37.34
2488.63	Peak	50.94	-3.53	47.41	74.00	-26.59

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

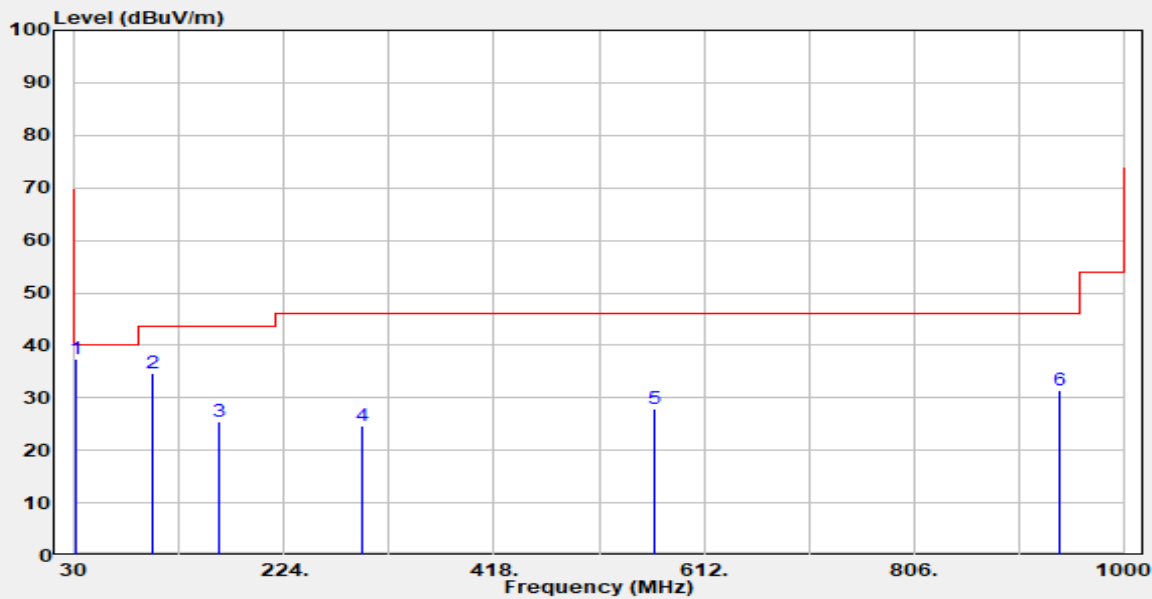
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7.7.4 Radiated Spurious Emission

Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2026-02-04
 Temp./Humi. :17.4°C/58%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



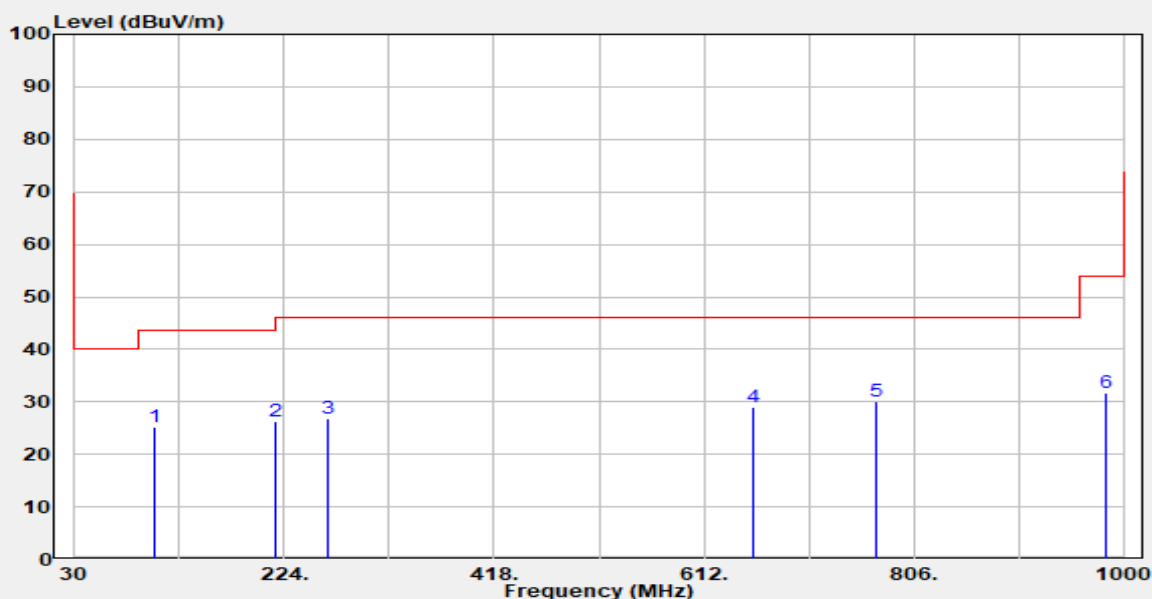
Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dB μ V	Factor dB	Actual FS dB μ V/m	Limit @3m dB μ V/m	Margin dB
31.940	QP	50.80	-13.43	37.37	40.00	-2.63
101.780	Peak	51.06	-16.43	34.63	43.50	-8.87
163.860	Peak	37.22	-11.85	25.37	43.50	-18.13
296.750	Peak	35.71	-11.01	24.70	46.00	-21.30
565.440	Peak	32.51	-4.54	27.97	46.00	-18.03
940.830	Peak	29.98	1.48	31.45	46.00	-14.55

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Report Number :TERF2512004206E2
Operation Mode :BR
Test Frequency :2441 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC C
Test Date :2026-02-04
Temp./Humi. :17.4°C/58%
Antenna Pol. :Horizontal
Engineer :Wilson Wang



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
103.720	Peak	41.31	-16.10	25.21	43.50	-18.29
216.240	Peak	40.69	-14.53	26.15	46.00	-19.85
263.770	Peak	39.08	-12.18	26.91	46.00	-19.09
658.560	Peak	31.78	-2.75	29.03	46.00	-16.97
772.050	Peak	30.63	-0.45	30.18	46.00	-15.82
984.480	Peak	30.18	1.47	31.64	54.00	-22.36

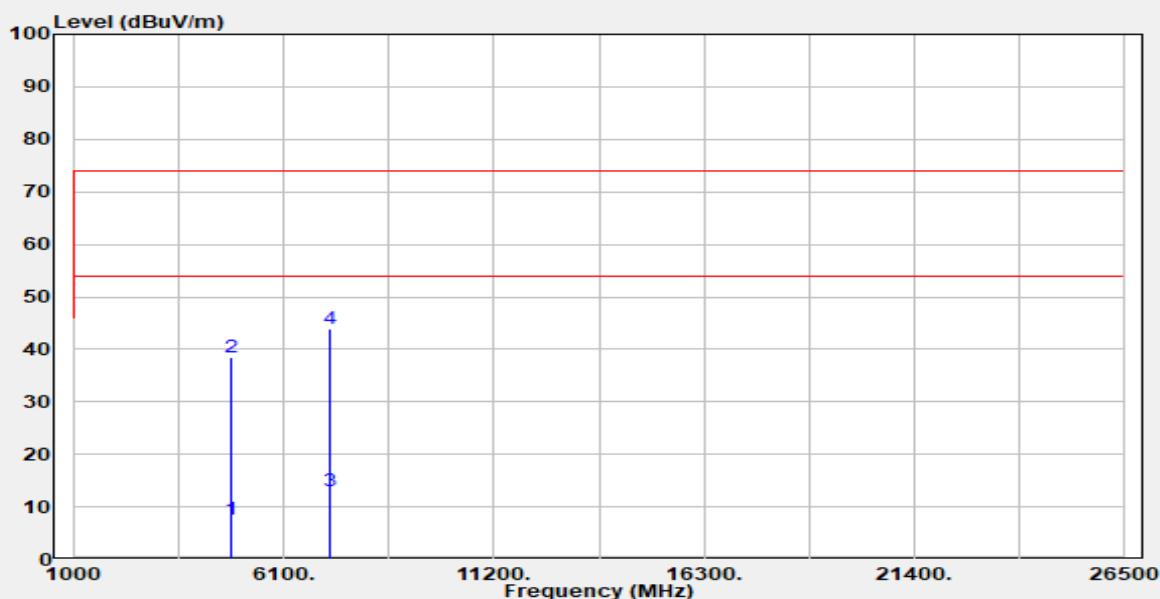
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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4804.00	Average	-	-	7.62	54.00	-46.38
4804.00	Peak	37.89	0.48	38.37	74.00	-35.63
7206.00	Average	-	-	13.03	54.00	-40.97
7206.00	Peak	36.88	6.90	43.78	74.00	-30.22

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

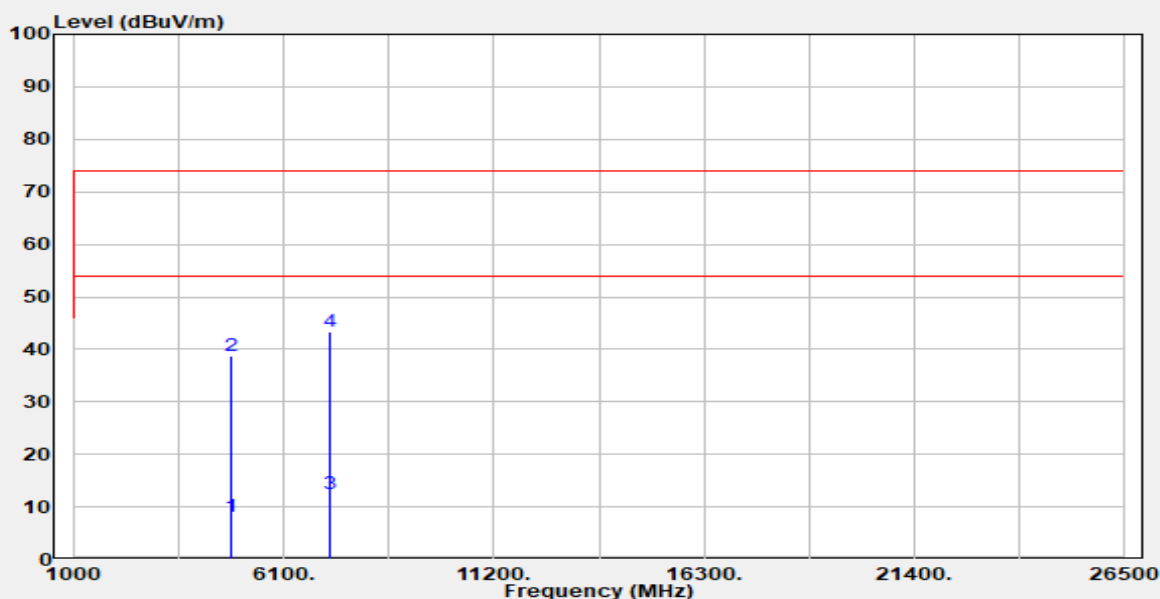
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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4804.00	Average	-	-	8.11	54.00	-45.89
4804.00	Peak	38.38	0.48	38.86	74.00	-35.14
7206.00	Average	-	-	12.56	54.00	-41.44
7206.00	Peak	36.41	6.90	43.31	74.00	-30.69

Average Duty Cycle Factor=-30.75 (dB)

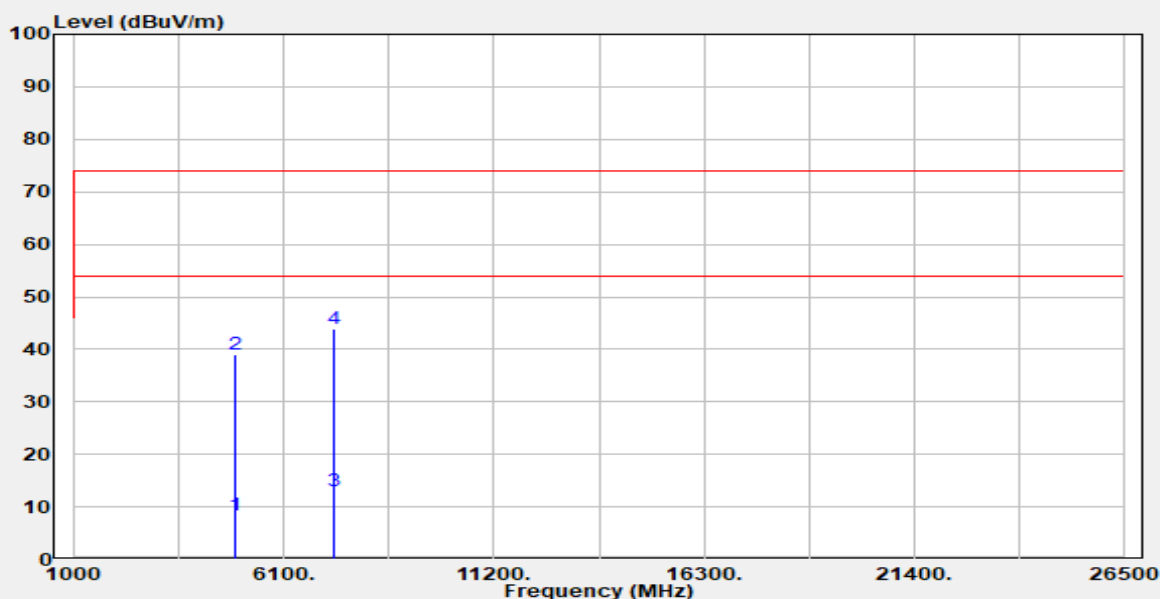
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
Operation Mode :BR
Test Frequency :2441 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC C
Test Date :2025-12-16
Temp./Humi. :26.2°C/60%
Antenna Pol. :Vertical
Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4882.00	Average	-	-	8.28	54.00	-45.72
4882.00	Peak	38.06	0.97	39.03	74.00	-34.97
7323.00	Average	-	-	13.02	54.00	-40.98
7323.00	Peak	36.24	7.53	43.77	74.00	-30.23

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

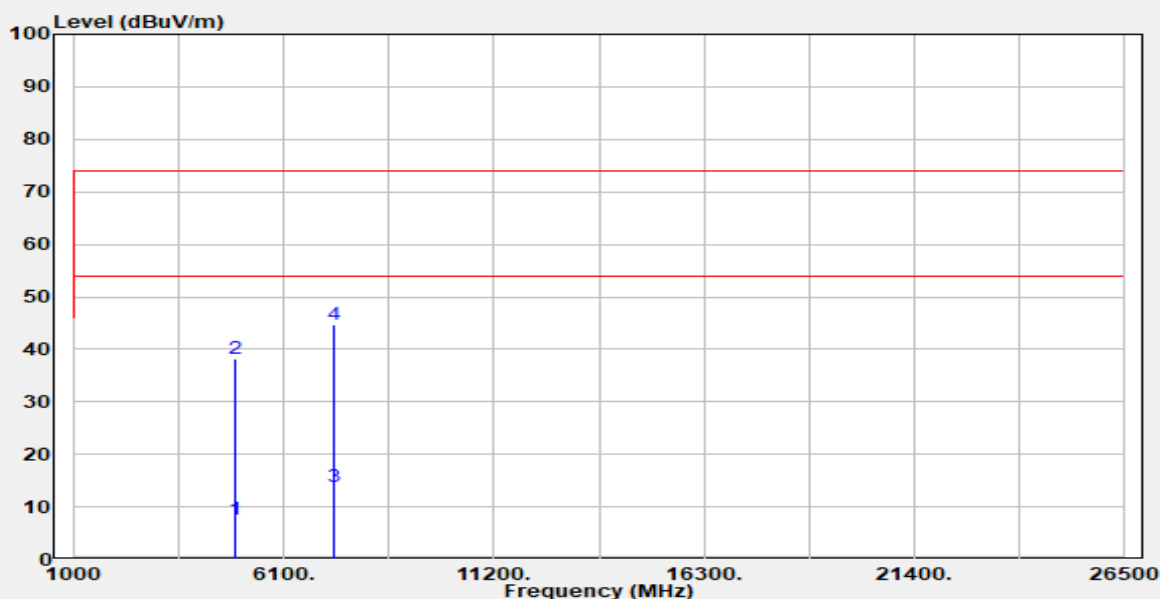
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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4882.00	Average	-	-	7.47	54.00	-46.53
4882.00	Peak	37.25	0.97	38.22	74.00	-35.78
7323.00	Average	-	-	13.85	54.00	-40.15
7323.00	Peak	37.07	7.53	44.60	74.00	-29.40

Average Duty Cycle Factor=-30.75 (dB)

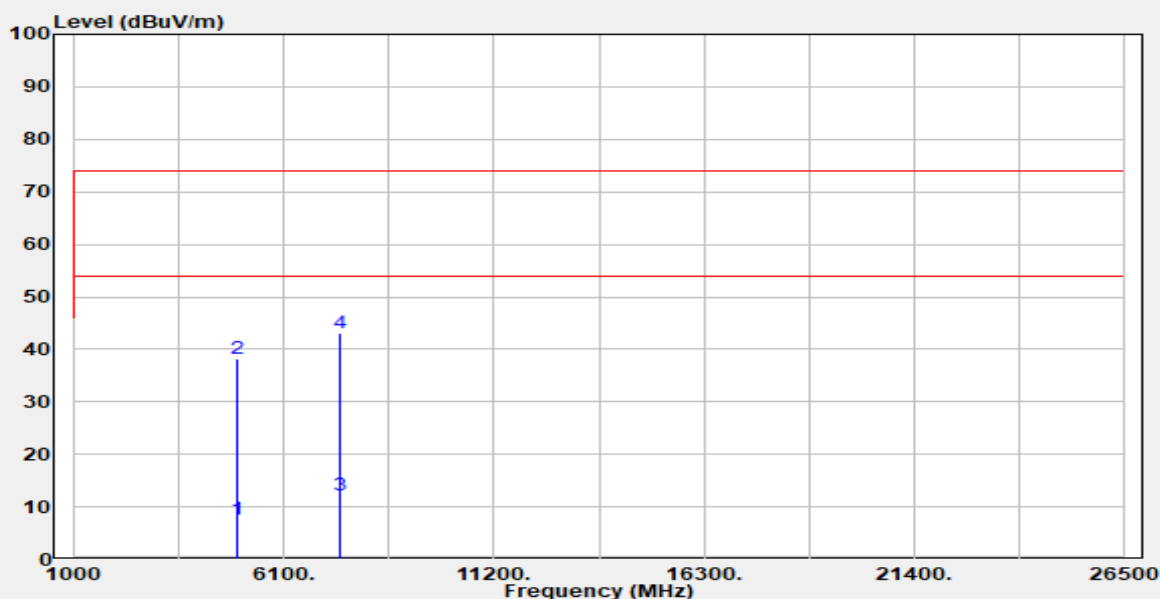
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4960.00	Average	-	-	7.47	54.00	-46.53
4960.00	Peak	36.97	1.25	38.22	74.00	-35.78
7440.00	Average	-	-	12.30	54.00	-41.70
7440.00	Peak	35.82	7.23	43.05	74.00	-30.95

Average Duty Cycle Factor=-30.75 (dB)

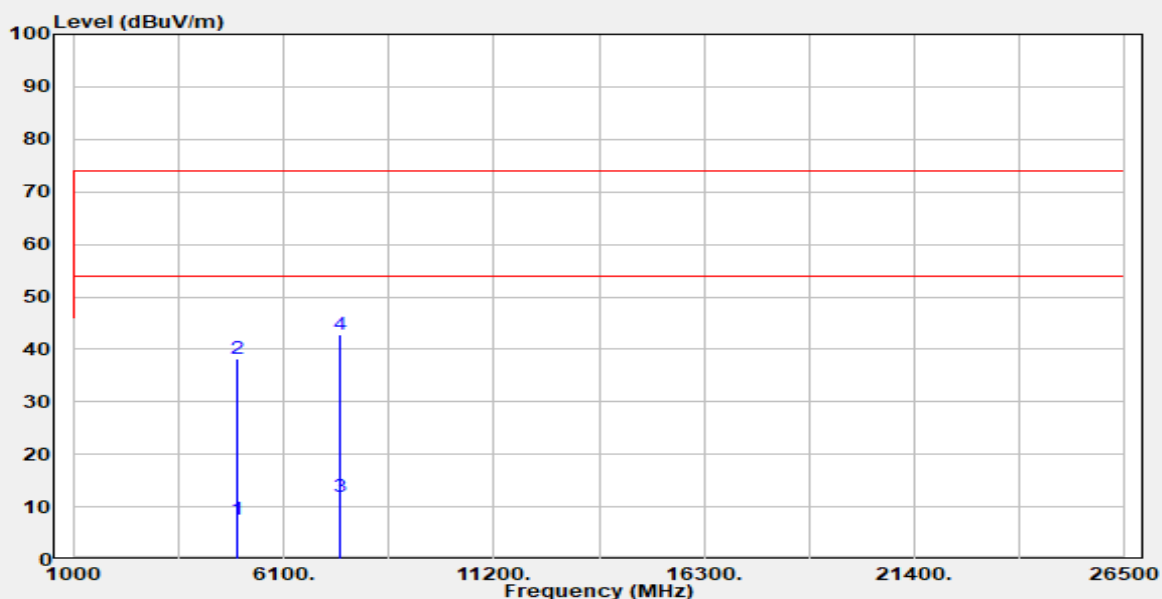
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
Operation Mode :BR
Test Frequency :2480 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC C
Test Date :2025-12-16
Temp./Humi. :26.2°C/60%
Antenna Pol. :Horizontal
Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4960.00	Average	-	-	7.57	54.00	-46.43
4960.00	Peak	37.07	1.25	38.32	74.00	-35.68
7440.00	Average	-	-	12.04	54.00	-41.96
7440.00	Peak	35.56	7.23	42.79	74.00	-31.21

Average Duty Cycle Factor=-30.75 (dB)

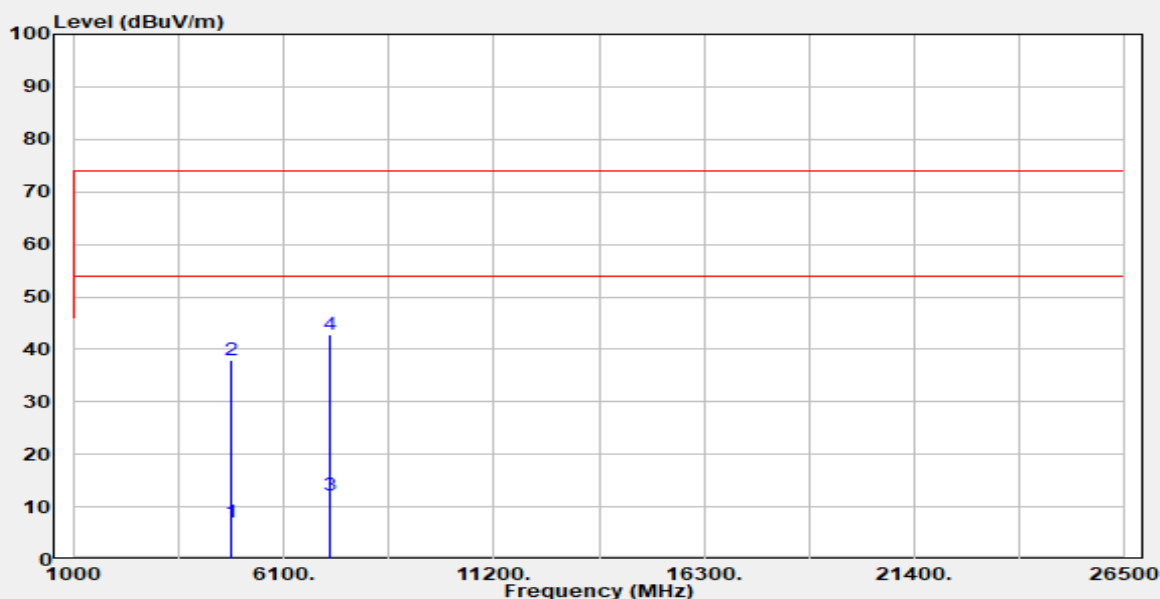
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4804.00	Average	-	-	7.12	54.00	-46.88
4804.00	Peak	37.39	0.48	37.87	74.00	-36.13
7206.00	Average	-	-	12.08	54.00	-41.92
7206.00	Peak	35.93	6.90	42.83	74.00	-31.17

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

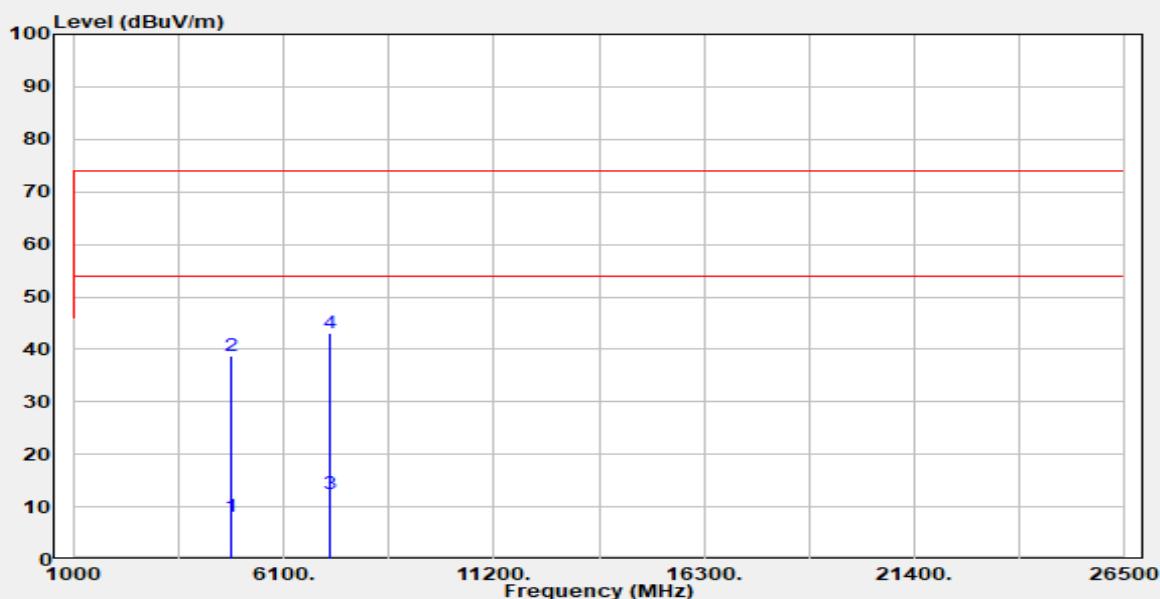
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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4804.00	Average	-	-	8.00	54.00	-46.00
4804.00	Peak	38.27	0.48	38.75	74.00	-35.25
7206.00	Average	-	-	12.35	54.00	-41.65
7206.00	Peak	36.20	6.90	43.10	74.00	-30.90

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

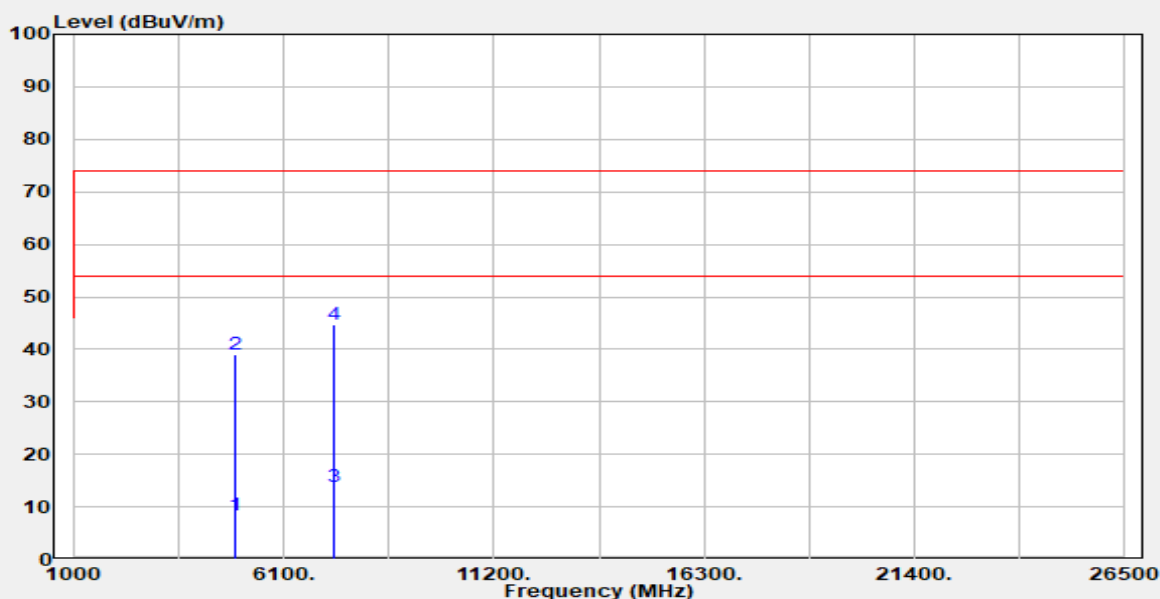
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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4882.00	Average	-	-	8.30	54.00	-45.70
4882.00	Peak	38.08	0.97	39.05	74.00	-34.95
7323.00	Average	-	-	13.86	54.00	-40.14
7323.00	Peak	37.08	7.53	44.61	74.00	-29.39

Average Duty Cycle Factor=-30.75 (dB)

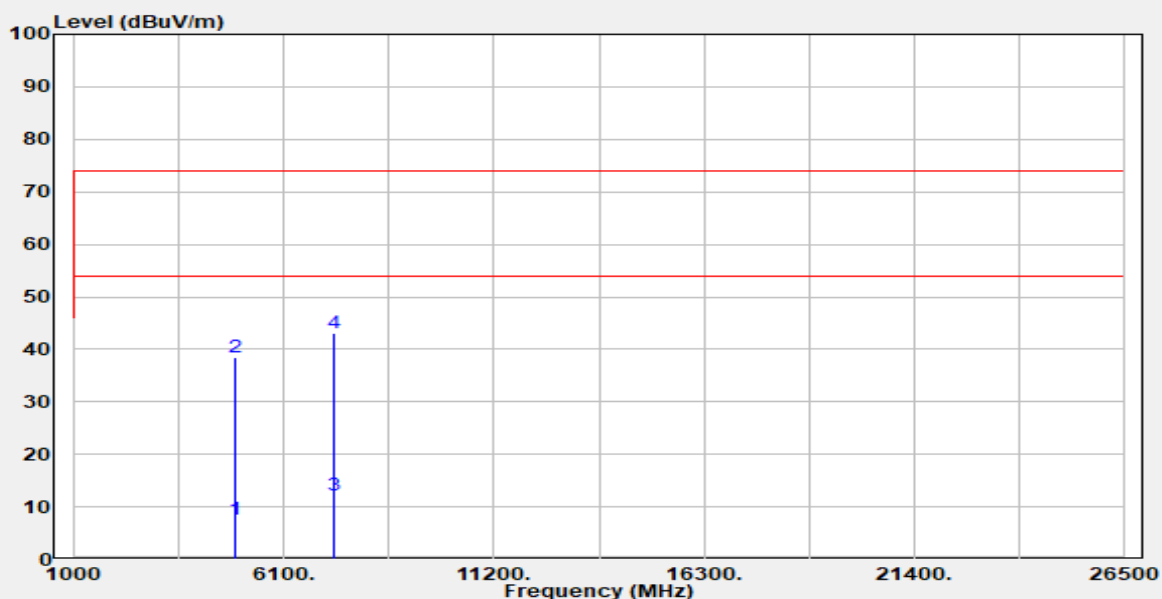
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
Operation Mode :EDR 3M
Test Frequency :2441 MHz
Test Mode :Tx
EUT Pol :E1 Plane

Test Site :SAC C
Test Date :2025-12-16
Temp./Humi. :26.2°C/60%
Antenna Pol. :Horizontal
Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4882.00	Average	-	-	7.66	54.00	-46.34
4882.00	Peak	37.44	0.97	38.41	74.00	-35.59
7323.00	Average	-	-	12.29	54.00	-41.71
7323.00	Peak	35.51	7.53	43.04	74.00	-30.96

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

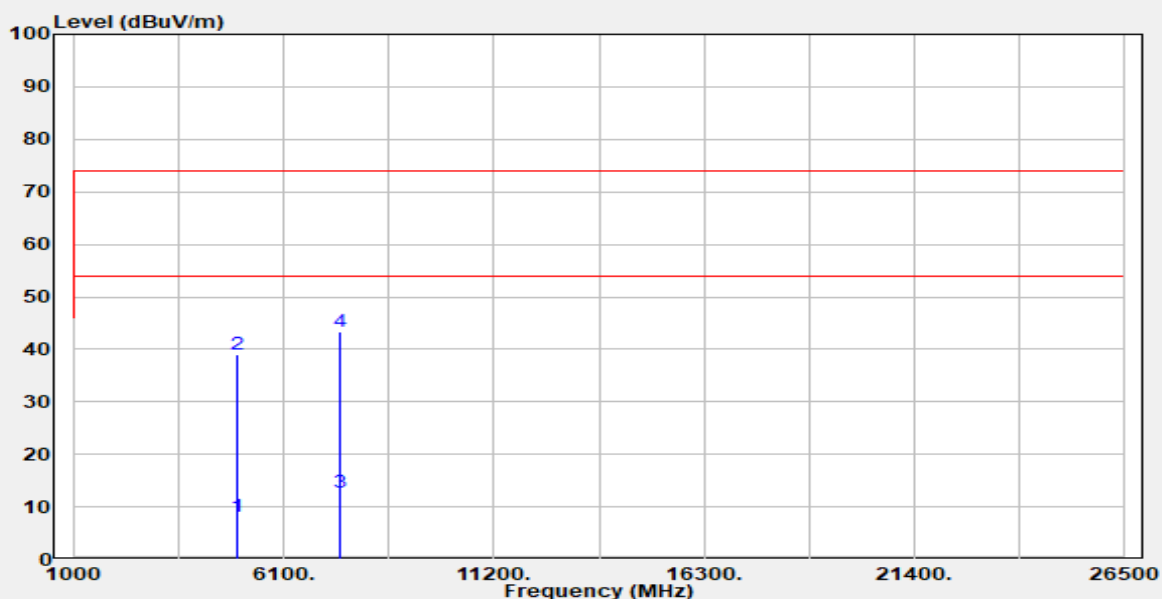
f (886-2) 2298-0488

www.sgs.com.tw

Member of SGS Group

Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Vertical
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4960.00	Average	-	-	8.20	54.00	-45.80
4960.00	Peak	37.70	1.25	38.95	74.00	-35.05
7440.00	Average	-	-	12.72	54.00	-41.28
7440.00	Peak	36.24	7.23	43.47	74.00	-30.53

Average Duty Cycle Factor=-30.75 (dB)

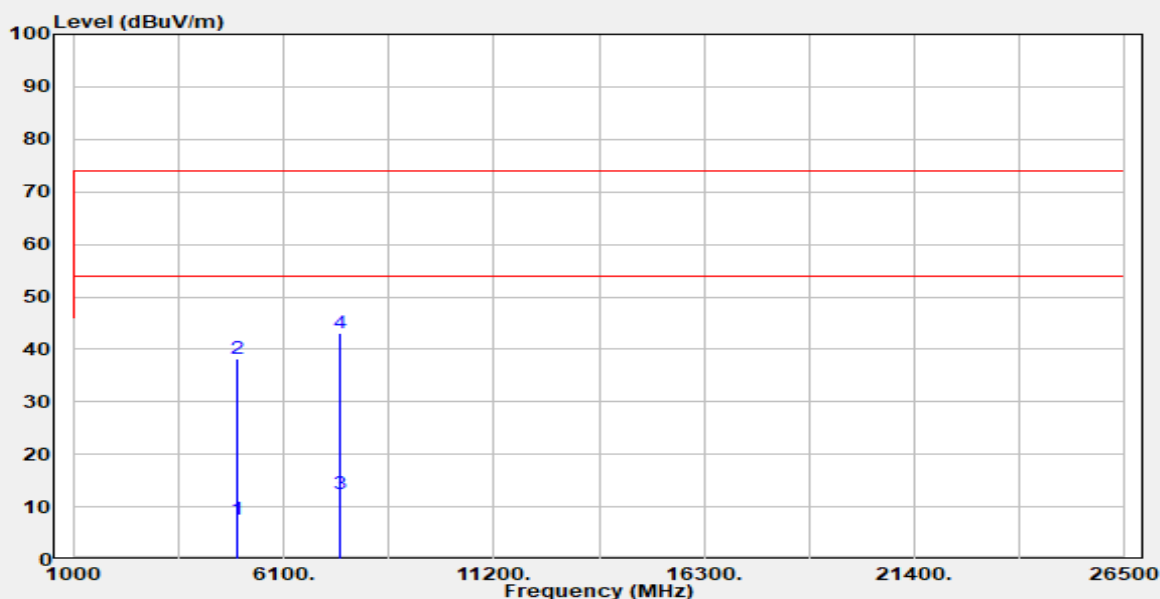
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2512004206E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E1 Plane

Test Site :SAC C
 Test Date :2025-12-16
 Temp./Humi. :26.2°C/60%
 Antenna Pol. :Horizontal
 Engineer :Wilson Wang



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4960.00	Average	-	-	7.53	54.00	-46.47
4960.00	Peak	37.03	1.25	38.28	74.00	-35.72
7440.00	Average	-	-	12.45	54.00	-41.55
7440.00	Peak	35.97	7.23	43.20	74.00	-30.80

Average Duty Cycle Factor=-30.75 (dB)

Average Level= Peak Level+ Duty Cycle Factor

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Spot Check for 2nd PCB+2nd battery+2nd memory

Report Number :TERF2512004206E2

Test Site :SAC C

Operation Mode :BR

Test Date :2026-01-13

Test Frequency :2441 MHz

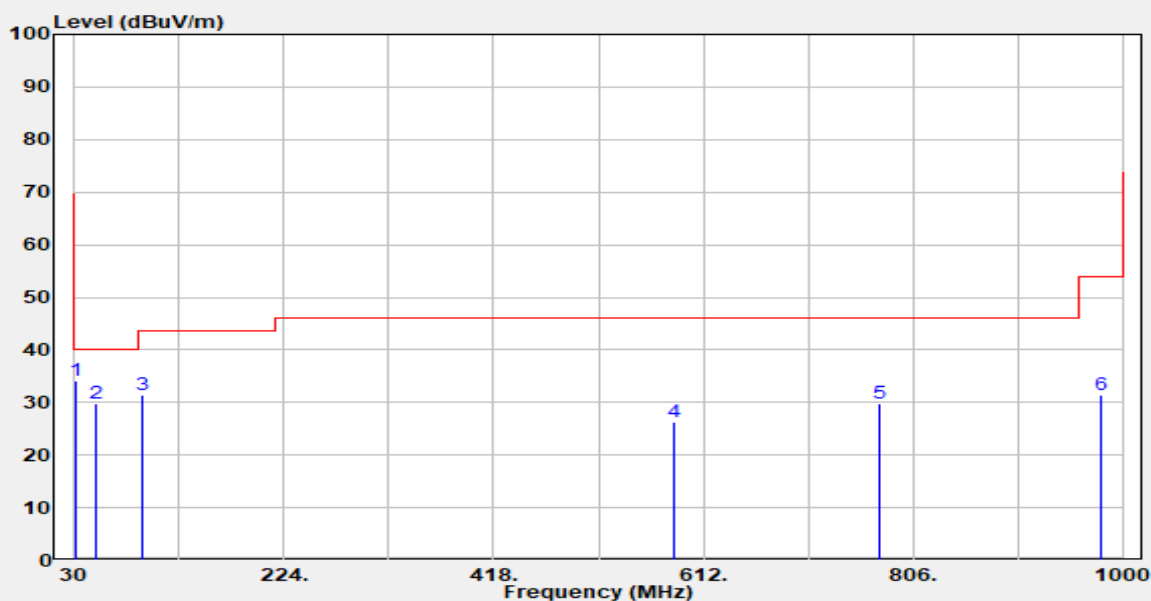
Temp./Humi. :17.2°C/65%

Test Mode :Tx

Antenna Pol. :Vertical

EUT Pol :E2 Plane

Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
30.970	QP	47.80	-13.65	34.15	40.00	-5.85
50.370	QP	41.60	-11.69	29.91	40.00	-10.09
92.080	Peak	49.28	-17.94	31.34	43.50	-12.16
584.840	Peak	30.28	-3.93	26.35	46.00	-19.65
775.930	Peak	30.22	-0.42	29.80	46.00	-16.20
979.630	Peak	29.98	1.58	31.56	54.00	-22.44

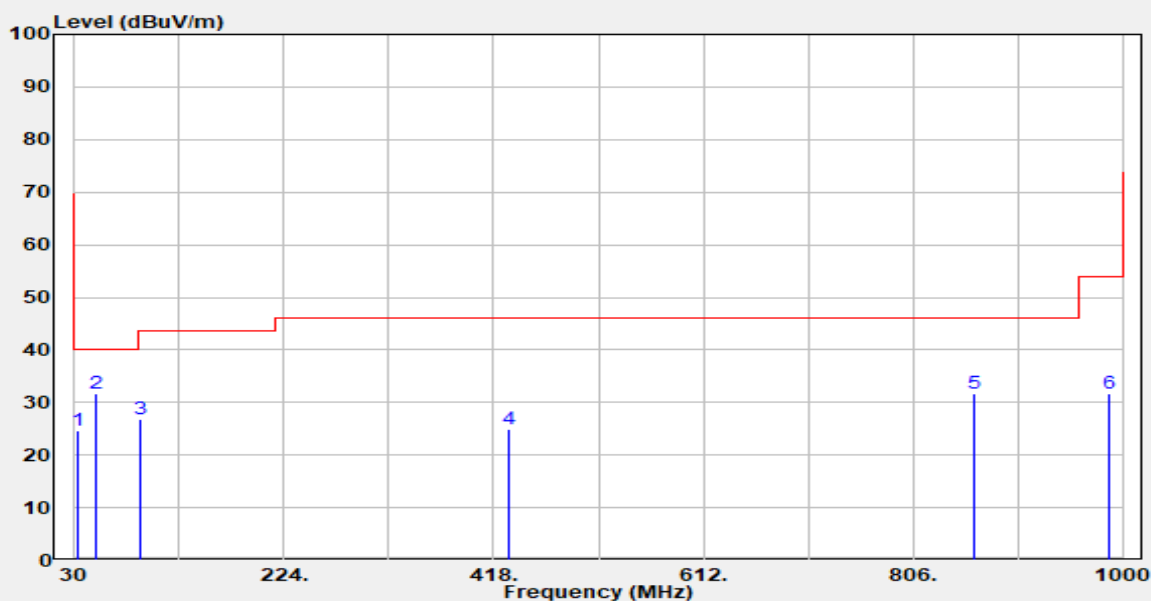
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Report Number :TERF2512004206E2
Operation Mode :BR
Test Frequency :2441 MHz
Test Mode :Tx
EUT Pol :E2 Plane

Test Site :SAC C
Test Date :2026-01-13
Temp./Humi. :17.2°C/65%
Antenna Pol. :Horizontal
Engineer :Alex Li



Freq. MHz	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
32.910	QP	38.20	-13.59	24.61	40.00	-15.39
50.370	Peak	43.53	-11.69	31.84	40.00	-8.16
91.110	Peak	44.88	-18.06	26.81	43.50	-16.69
431.580	Peak	32.07	-7.06	25.01	46.00	-20.99
863.230	Peak	31.18	0.63	31.82	46.00	-14.18
988.360	Peak	30.13	1.51	31.65	54.00	-22.35

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7.8 AC Power Line Conducted Emission

Report Number :TERF2512004206E2

Test Site :Conduction C

Test Mode :BR

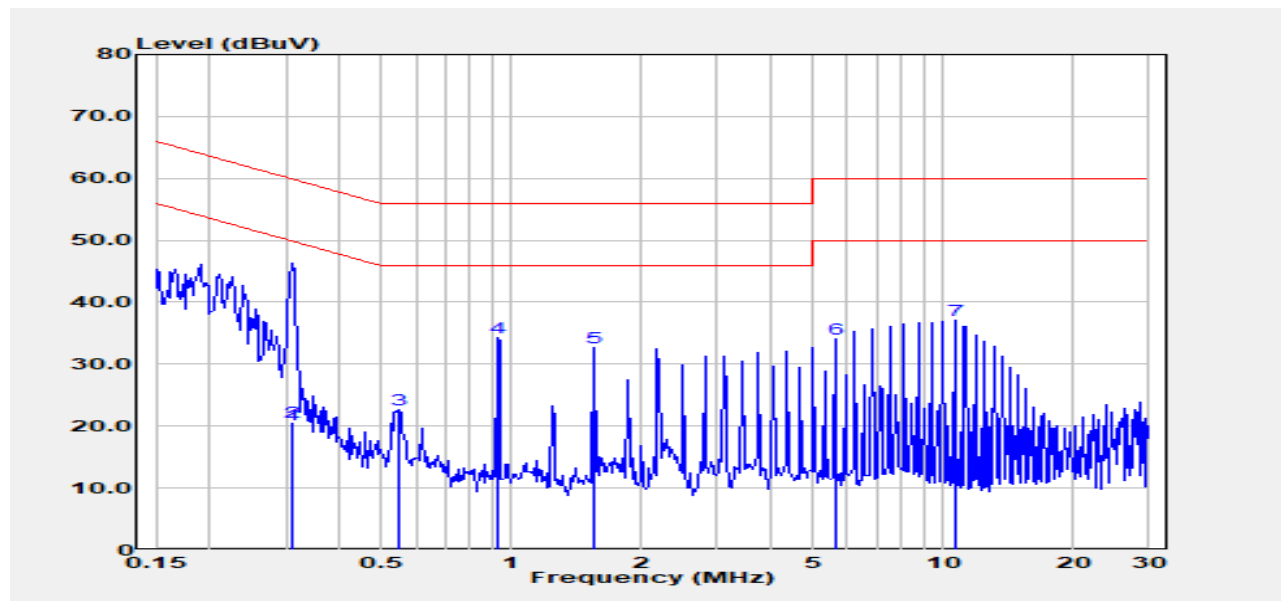
Test Date :2025-12-17

Power :120V/60Hz

Temp./Humi. :26.2°C/63%

Probe :L1

Engineer :Wilson Wang



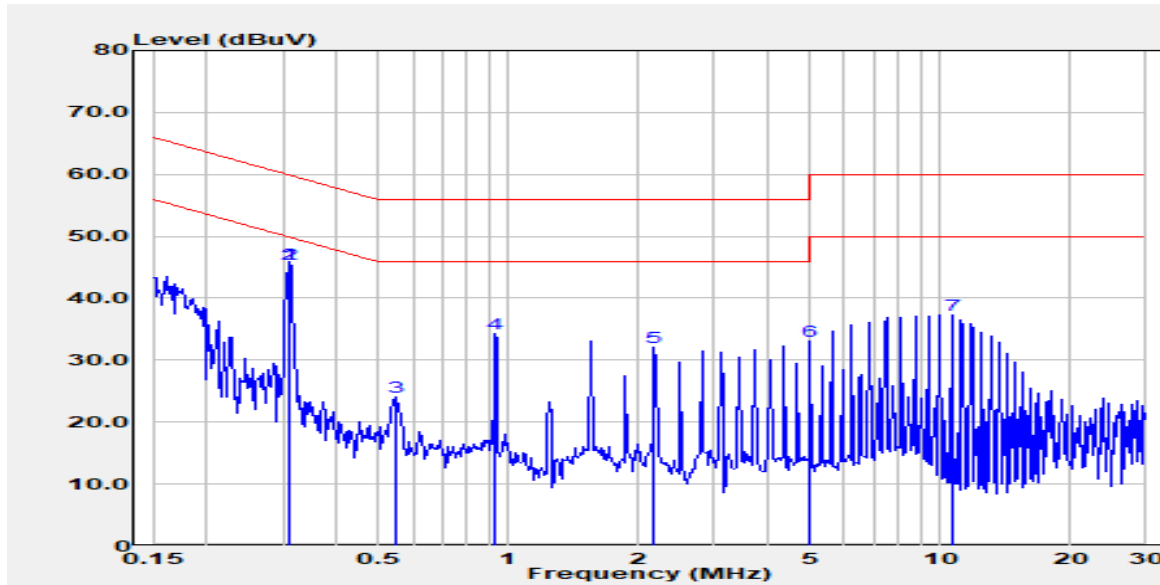
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS		
MHz	PK/QP/AV	dB μ V	dB	dB μ V	dB μ V	dB
0.311	Average	9.70	10.63	20.33	49.93	-29.60
0.311	QP	10.00	10.63	20.63	59.93	-39.30
0.545	Peak	11.95	10.62	22.58	56.00	-33.42
0.931	Peak	23.54	10.68	34.22	56.00	-21.78
1.563	Peak	21.88	10.74	32.62	56.00	-23.38
5.632	Peak	23.06	10.96	34.02	60.00	-25.98
10.647	Peak	26.02	10.98	37.00	60.00	-23.00

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Report Number :TERF2512004206E2
Test Mode :BR
Power :120V/60Hz
Probe :N

Test Site :Conduction C
Test Date :2025-12-17
Temp./Humi. :26.2°C/63%
Engineer :Wilson Wang



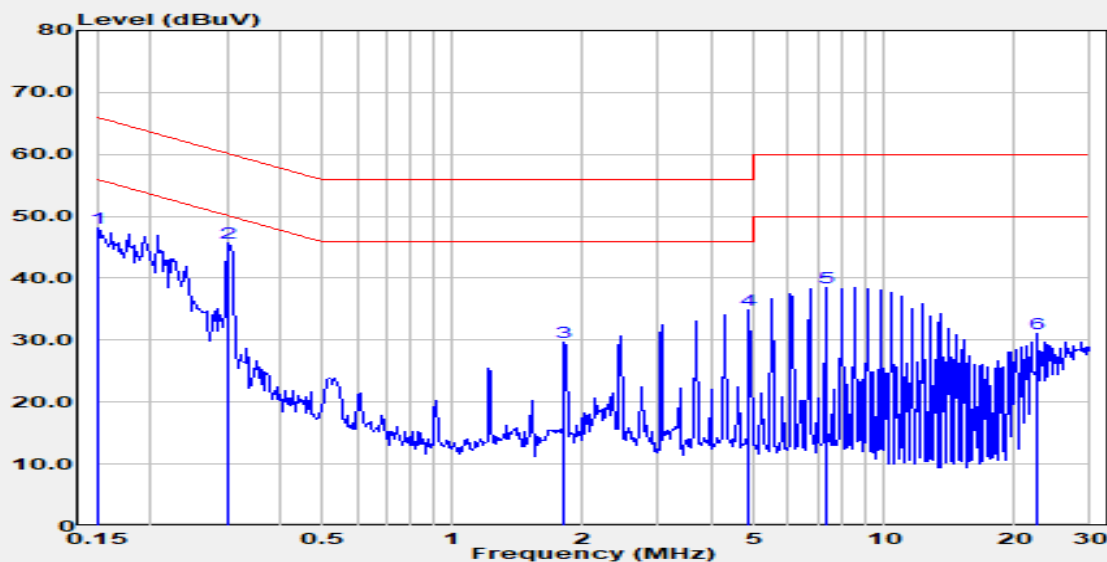
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS		
MHz	PK/QP/AV	dB μ V	dB	dB μ V	dB μ V	dB
0.311	Average	34.90	10.63	45.53	49.93	-4.41
0.311	QP	34.80	10.63	45.43	59.93	-14.51
0.545	Peak	13.35	10.61	23.96	56.00	-32.04
0.931	Peak	23.60	10.66	34.26	56.00	-21.74
2.176	Peak	21.40	10.77	32.16	56.00	-23.84
5.001	Peak	22.19	10.94	33.13	60.00	-26.87
10.647	Peak	26.32	10.97	37.28	60.00	-22.72

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Spot Check for 2nd PCB+2nd battery+2nd memory

Report Number	:TERF2512004206E2	Test Site	:Conduction C
Test Mode	:BR	Test Date	:2026-01-13
Power	:120V/60Hz	Temp./Humi.	:22.8°C/47%
Probe	:L1	Engineer	:Alex Li



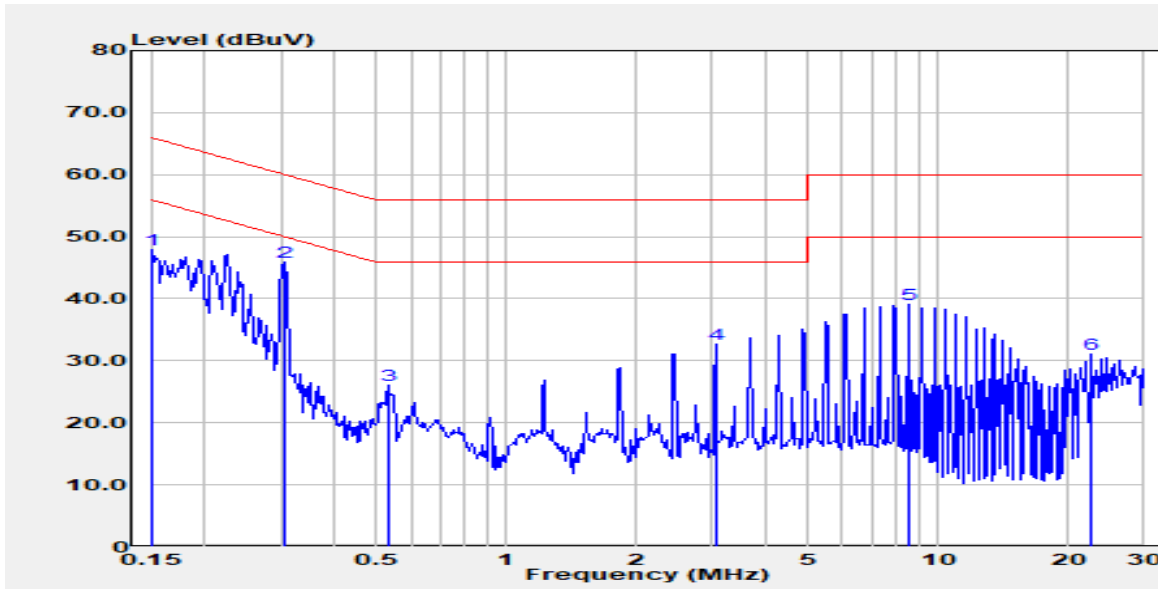
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
	PK/QP/AV	dBuV	dB	dBuV	dBuV	dB
0.151	Peak	37.53	10.65	48.18	65.93	-17.75
0.303	Peak	34.99	10.63	45.62	60.15	-14.52
1.821	Peak	18.86	10.76	29.62	56.00	-26.38
4.875	Peak	23.98	10.95	34.93	56.00	-21.07
7.328	Peak	27.56	10.96	38.52	60.00	-21.48
22.669	Peak	19.79	11.22	31.01	60.00	-28.99

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Report Number	:TERF2512004206E2	Test Site	:Conduction C
Test Mode	:BR	Test Date	:2026-01-13
Power	:120V/60Hz	Temp./Humi.	:22.8°C/47%
Probe	:N	Engineer	:Alex Li



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS		
	PK/QP/AV	dBμV	dB	dBμV	dBμV	dB
0.150	Peak	37.36	10.66	48.02	66.00	-17.98
0.306	Peak	35.33	10.63	45.96	60.08	-14.12
0.532	Peak	15.51	10.61	26.12	56.00	-29.88
3.056	Peak	21.89	10.83	32.72	56.00	-23.28
8.538	Peak	28.05	10.95	39.00	60.00	-21.00
22.669	Peak	19.88	11.23	31.11	60.00	-28.89

~ End of Report ~

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