

7.7 Unwanted Emissions

7.7.1 Duty Cycle Correction Factor

Bluetooth 1M

Time ON of 100ms: 5.800 ms
Duty Cycle=5.8ms / 100ms= 0.058
Duty Cycle correction factor=20 LOG 0.058 = -24.73 dB

Bluetooth 3M

Time ON of 100ms: 5.800 ms
Duty Cycle=5.8ms / 100ms= 0.058
Duty Cycle correction factor=20 LOG 0.058 = -24.73 dB

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SGS Taiwan Ltd.

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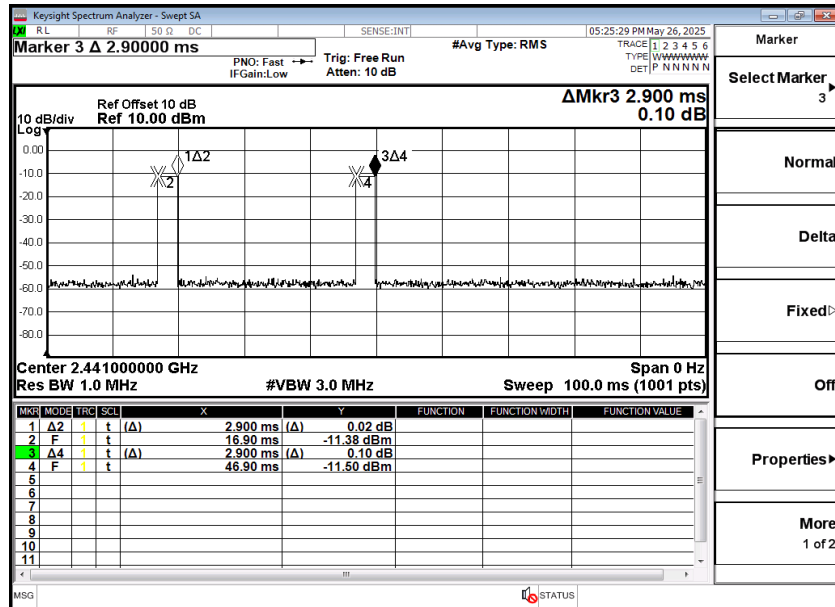
f (886-2) 2298-0488

www.sgs.com.tw

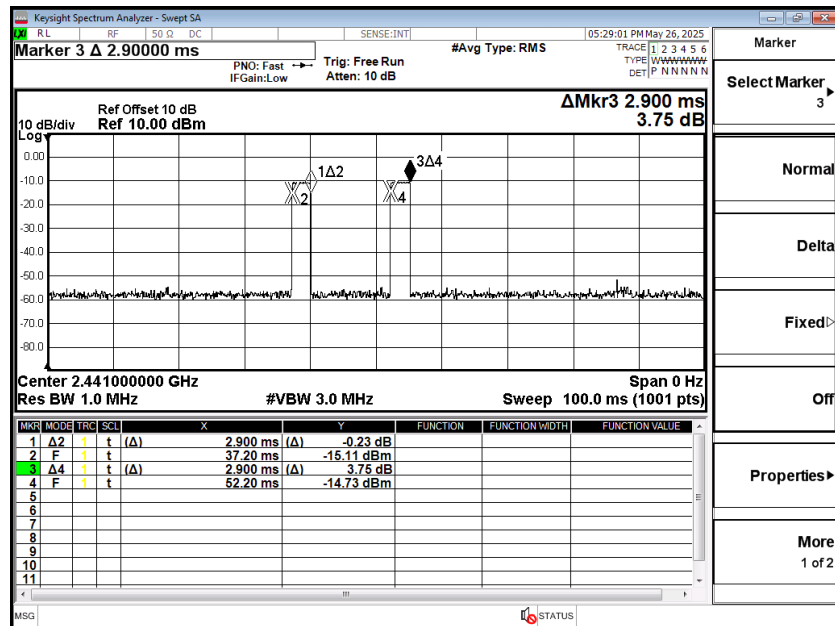
Member of SGS Group

7.7.2 Duty Cycle test plot

BR



EDR



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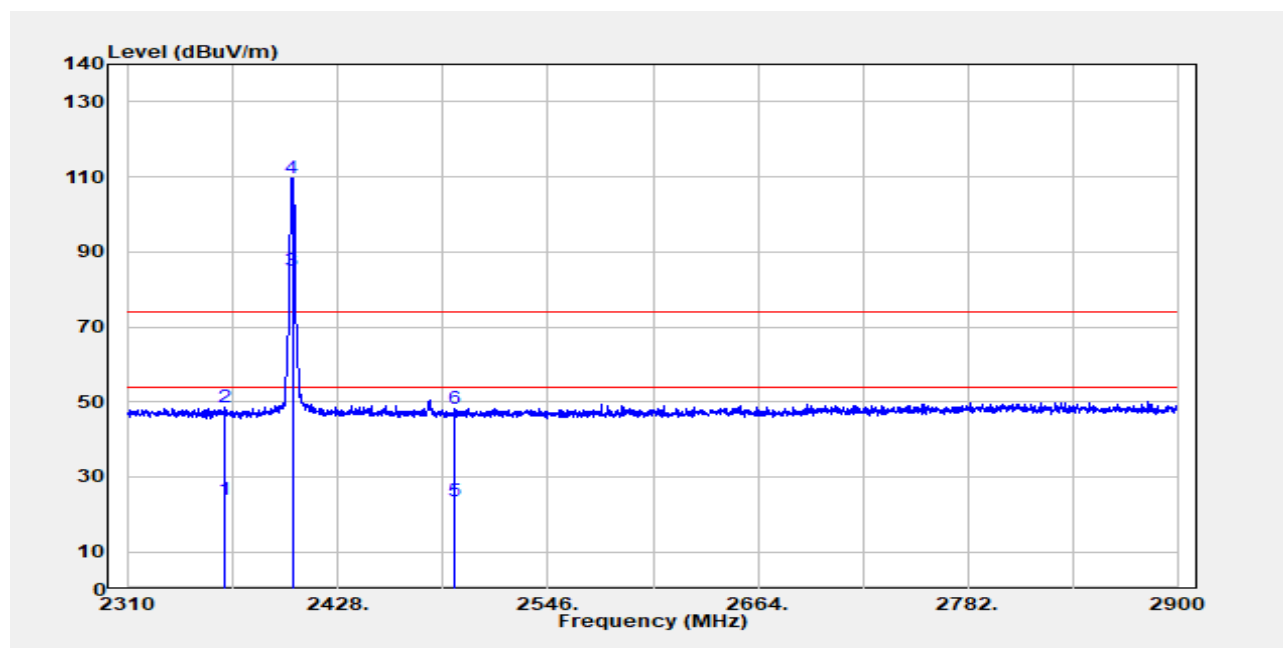
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7.7.3 Bandedge Result

Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2364.10	Average	-	-	23.93	54.00	-30.07
2364.10	Peak	51.95	-3.29	48.66	74.00	-25.34
2402.00	Average	-	-	85.07	-	-
2402.00	Peak	113.17	-3.36	109.81	-	-
2493.75	Average	-	-	23.55	54.00	-30.45
2493.75	Peak	51.62	-3.34	48.28	74.00	-25.72

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

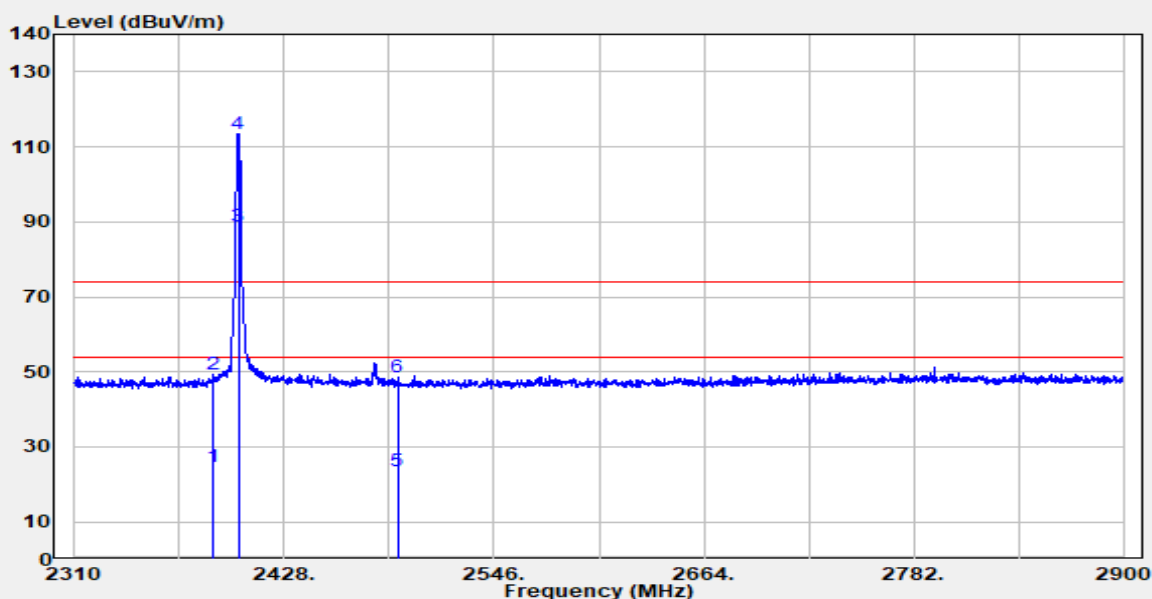
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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.10	Average	-	-	24.50	54.00	-29.50
2388.10	Peak	52.49	-3.26	49.23	74.00	-24.77
2402.00	Average	-	-	88.68	-	-
2402.00	Peak	116.77	-3.36	113.41	-	-
2491.58	Average	-	-	23.70	54.00	-30.30
2491.58	Peak	51.78	-3.35	48.43	74.00	-25.57

Average Duty Cycle Factor=-24.73 (dB)

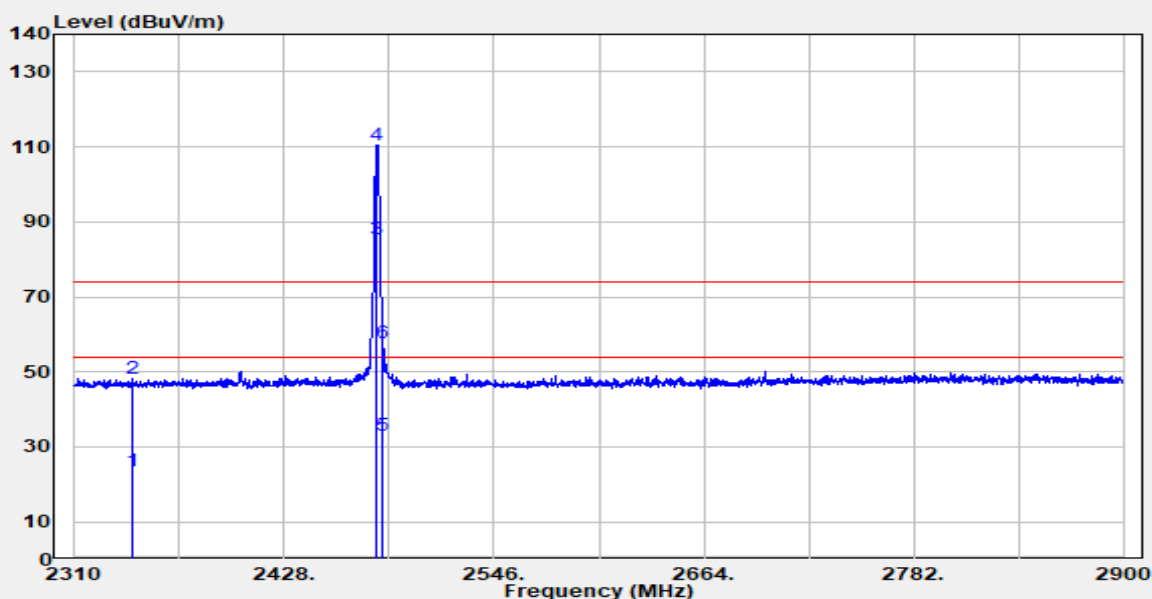
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2342.26	Average	-	-	23.62	54.00	-30.38
2342.26	Peak	51.61	-3.26	48.35	74.00	-25.65
2480.00	Average	-	-	85.55	-	-
2480.00	Peak	113.64	-3.36	110.28	-	-
2483.52	Average	-	-	32.88	54.00	-21.12
2483.52	Peak	60.96	-3.35	57.61	74.00	-16.39

Average Duty Cycle Factor=-24.73 (dB)

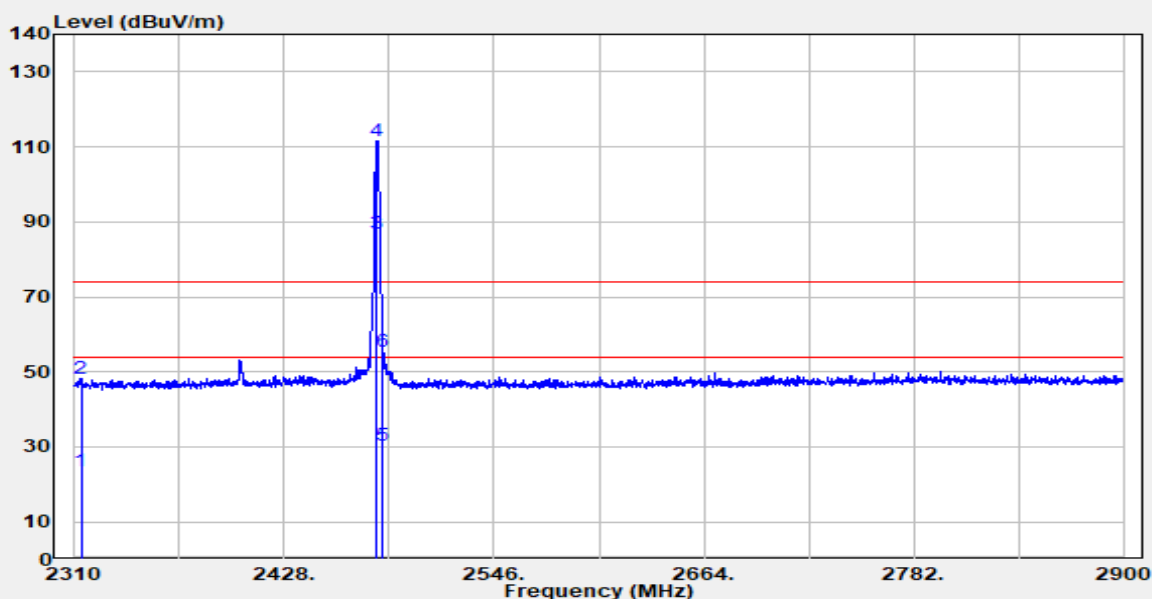
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2313.54	Average	-	-	23.45	54.00	-30.55
2313.54	Peak	51.39	-3.21	48.18	74.00	-25.82
2480.00	Average	-	-	86.98	-	-
2480.00	Peak	115.07	-3.36	111.71	-	-
2483.52	Average	-	-	30.50	54.00	-23.50
2483.52	Peak	58.58	-3.35	55.23	74.00	-18.77

Average Duty Cycle Factor=-24.73 (dB)

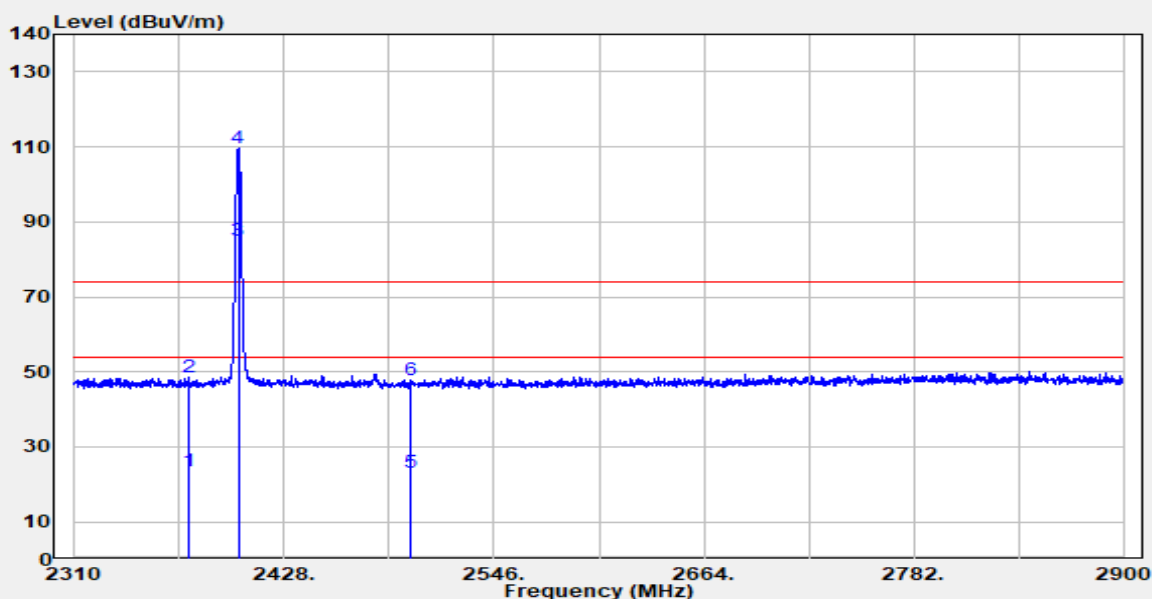
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2374.14	Average	-	-	23.67	54.00	-30.33
2374.14	Peak	51.75	-3.35	48.40	74.00	-25.60
2402.00	Average	-	-	84.85	-	-
2402.00	Peak	112.94	-3.36	109.58	-	-
2498.47	Average	-	-	23.22	54.00	-30.78
2498.47	Peak	51.29	-3.34	47.95	74.00	-26.05

Average Duty Cycle Factor=-24.73 (dB)

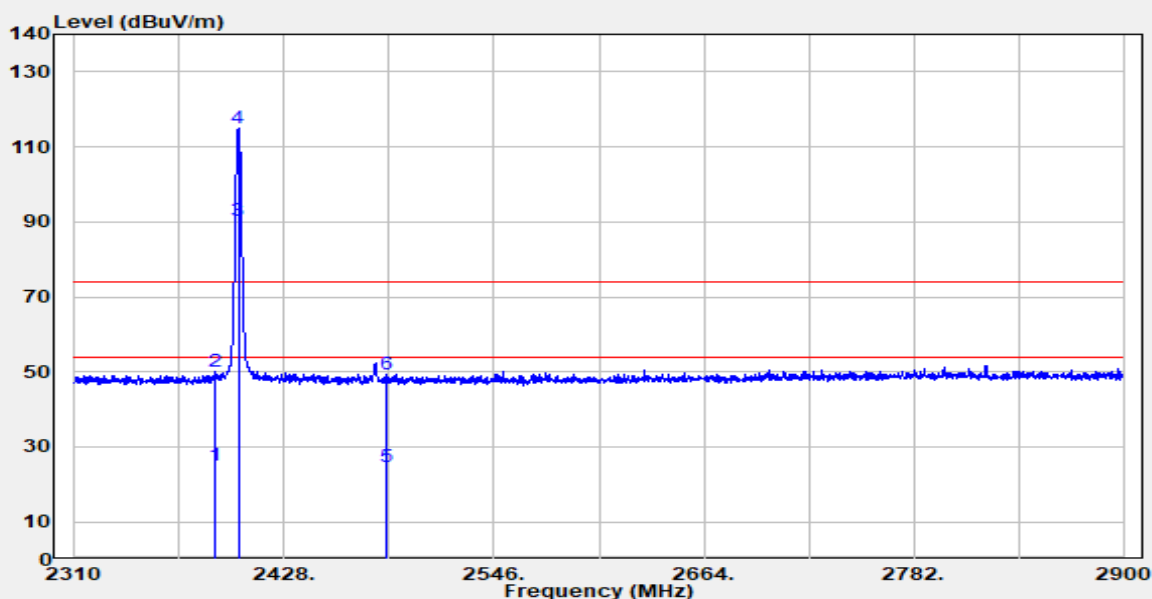
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.48	Average	-	-	25.16	54.00	-28.84
2389.48	Peak	53.14	-3.25	49.89	74.00	-24.11
2402.00	Average	-	-	90.21	-	-
2402.00	Peak	118.30	-3.36	114.94	-	-
2485.49	Average	-	-	24.56	54.00	-29.44
2485.49	Peak	52.65	-3.36	49.29	74.00	-24.71

Average Duty Cycle Factor=-24.73 (dB)

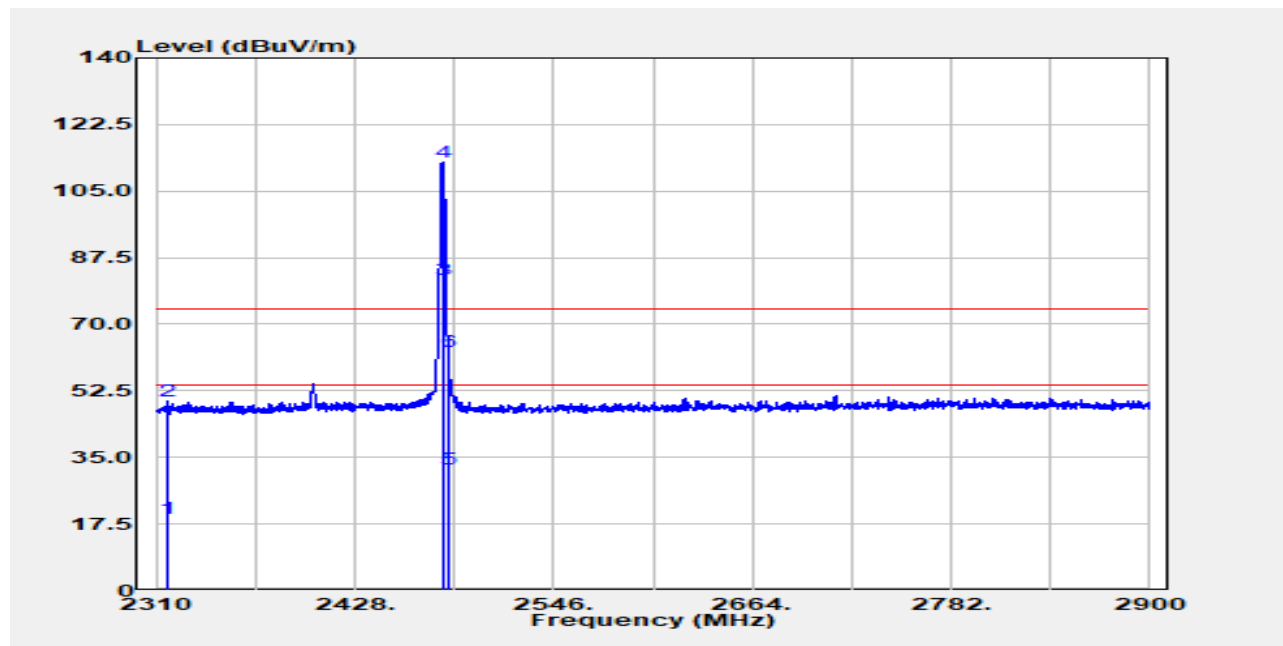
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2025-12-02
 Temp./Humi. :23.1°C/65%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2316.69	Average	-	-	25.05	54.00	-28.95
2316.69	Peak	53.55	-3.77	49.78	74.00	-24.22
2479.98	Average	-	-	81.76	-	-
2479.98	Peak	116.44	-3.93	112.51	-	-
2483.50	Average	-	-	37.91	54.00	-16.09
2483.50	Peak	66.57	-3.93	62.64	74.00	-11.36

Average Duty Cycle Factor=-24.73 (dB)

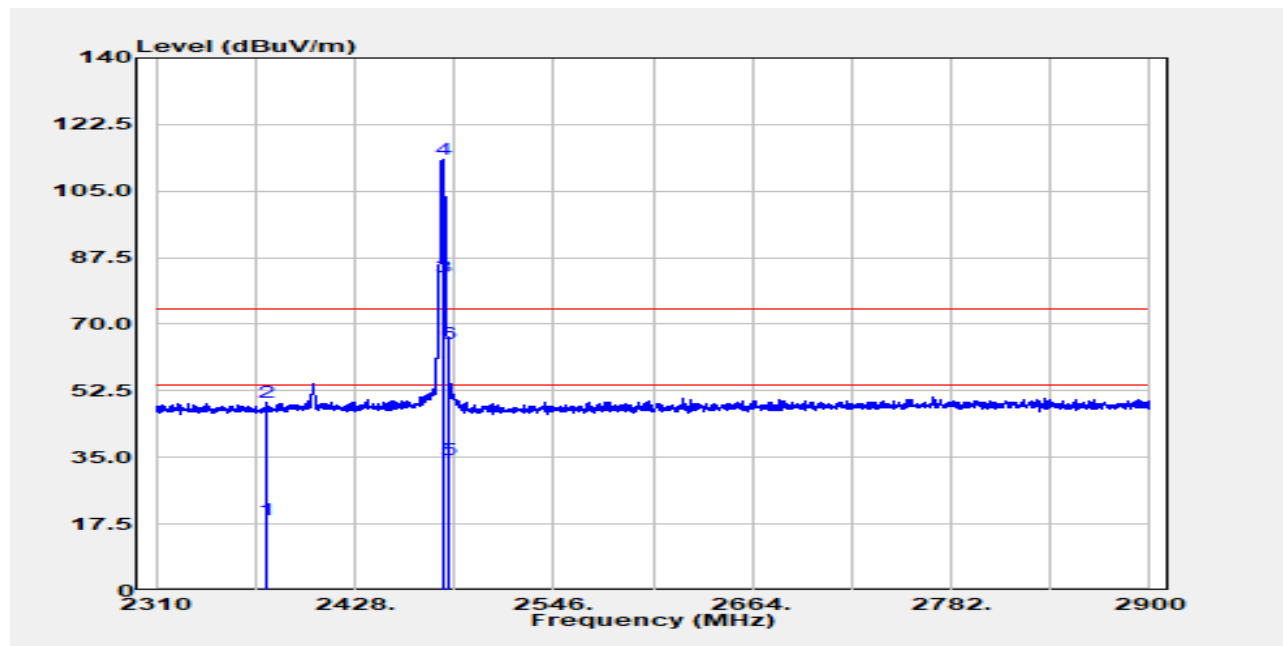
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G Chamber
 Test Date :2025-12-02
 Temp./Humi. :23.1°C/65%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2375.51	Average	-	-	24.68	54.00	-29.32
2375.51	Peak	53.22	-3.81	49.41	74.00	-24.59
2480.17	Average	-	-	82.42	-	-
2480.17	Peak	117.10	-3.93	113.17	-	-
2483.50	Average	-	-	40.26	54.00	-13.74
2483.50	Peak	68.92	-3.93	64.99	74.00	-9.01

Average Duty Cycle Factor=-24.73 (dB)

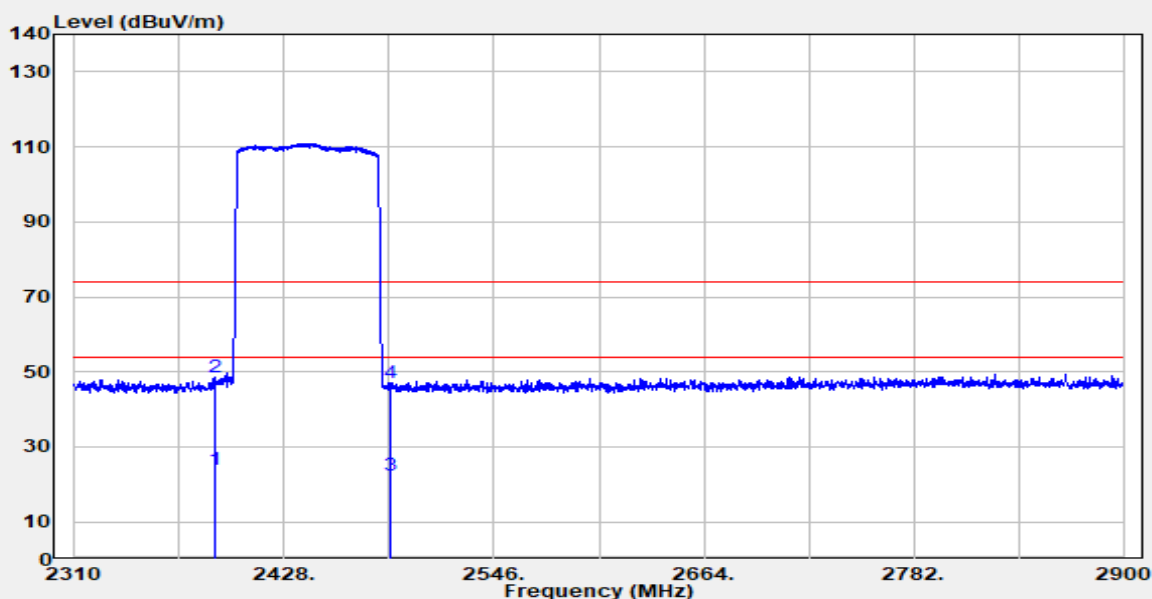
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0℃/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.09	Average	-	-	23.91	54.00	-30.09
2389.09	Peak	51.89	-3.25	48.64	74.00	-25.36
2488.04	Average	-	-	22.50	54.00	-31.50
2488.04	Peak	50.58	-3.35	47.23	74.00	-26.77

Average Duty Cycle Factor=-24.73 (dB)

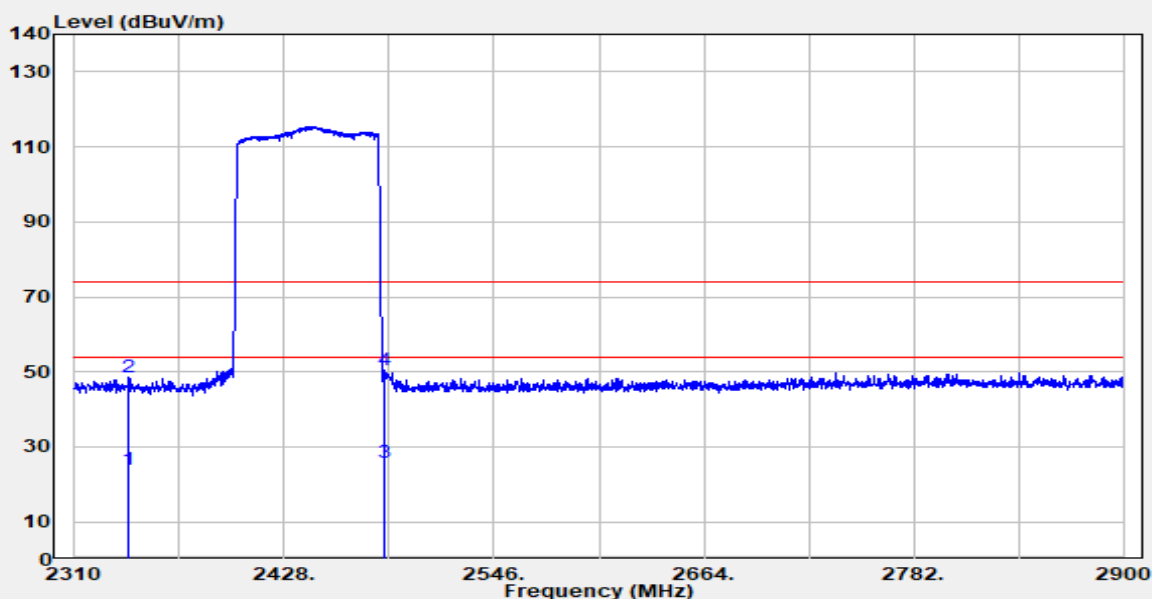
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2340.69	Average	-	-	23.81	54.00	-30.19
2340.69	Peak	51.80	-3.26	48.54	74.00	-25.46
2483.91	Average	-	-	25.88	54.00	-28.12
2483.91	Peak	53.96	-3.35	50.61	74.00	-23.39

Average Duty Cycle Factor=-24.73 (dB)

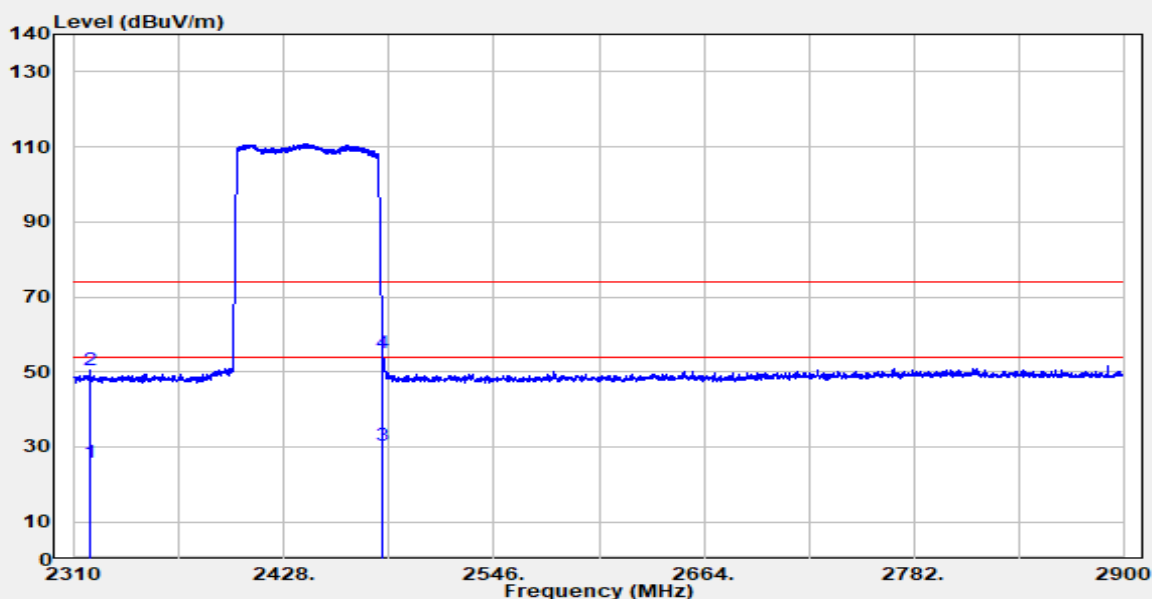
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0℃/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2318.26	Average	-	-	25.71	54.00	-28.29
2318.26	Peak	53.69	-3.25	50.44	74.00	-23.56
2483.52	Average	-	-	30.46	54.00	-23.54
2483.52	Peak	58.54	-3.35	55.19	74.00	-18.81

Average Duty Cycle Factor=-24.73 (dB)

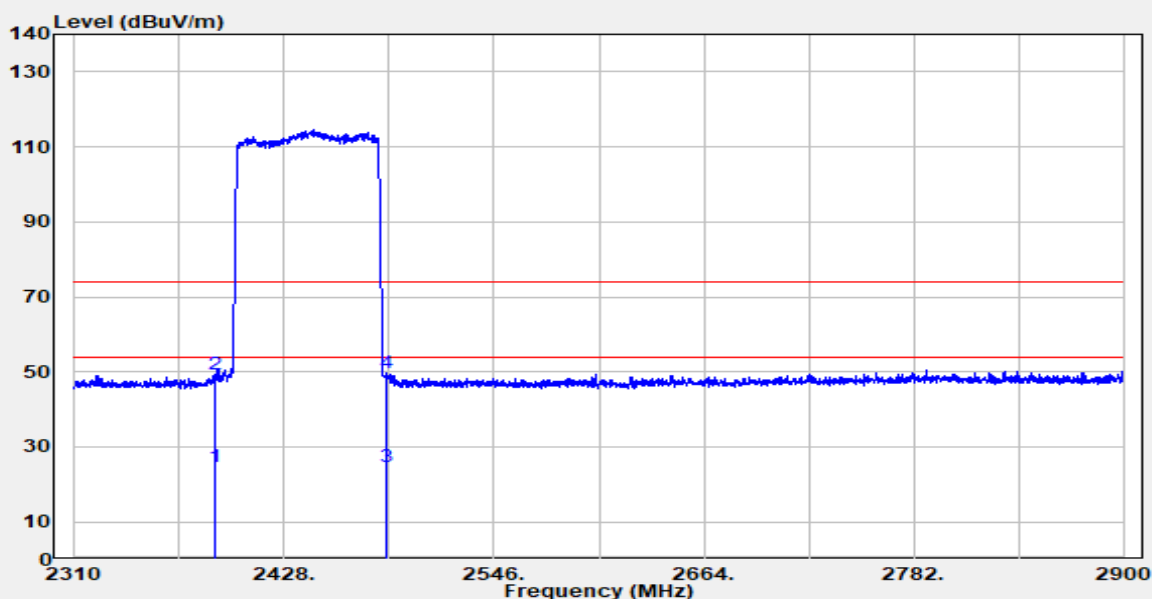
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M Hopping
 Test Frequency :2402~2480 MHz
 Test Mode :Bandedge
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0℃/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2388.50	Average	-	-	24.51	54.00	-29.49
2388.50	Peak	52.50	-3.26	49.24	74.00	-24.76
2485.09	Average	-	-	24.80	54.00	-29.20
2485.09	Peak	52.89	-3.36	49.53	74.00	-24.47

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

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7.7.4 Radiated Spurious Emission

Report Number :TERF2504001436E2

Operation Mode :BR

Test Frequency :2441 MHz

Test Mode :Tx

EUT Pol :E2 Plane

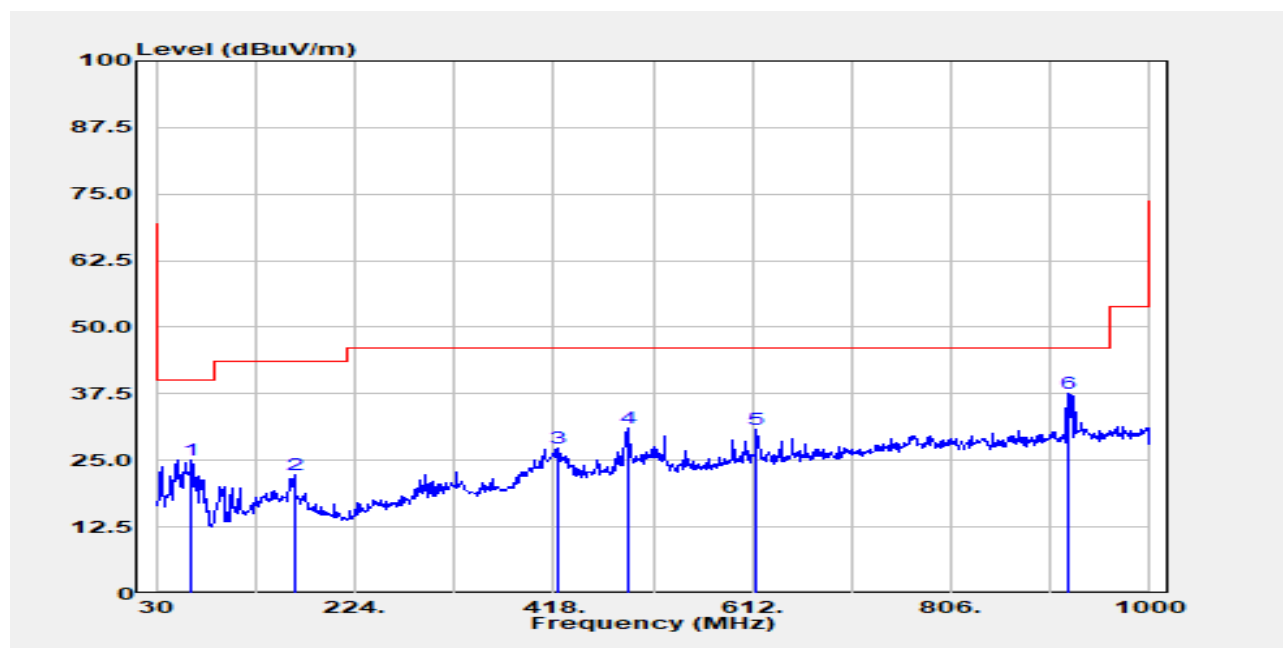
Test Site :SAC G

Test Date :2025-05-27

Temp./Humi. :24.5°C/63%

Antenna Pol. :Vertical

Engineer :Temo Chen



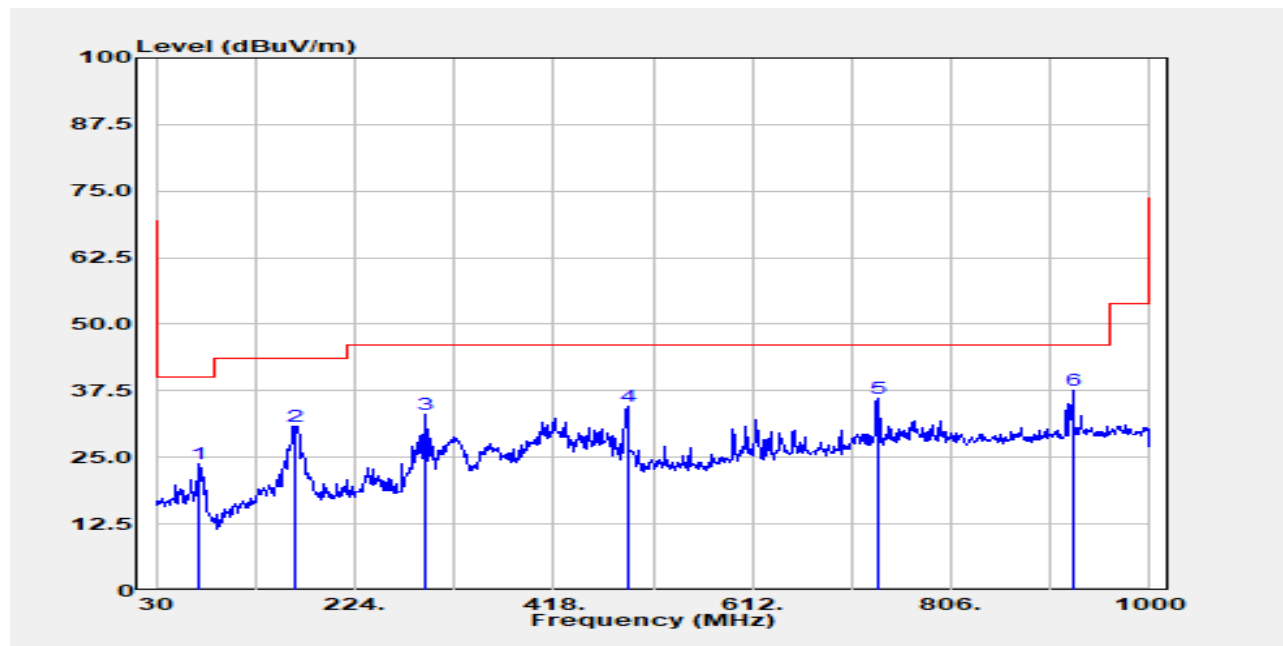
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
64.92	Peak	38.82	-13.85	24.97	40.00	-15.03
165.80	Peak	35.37	-13.10	22.27	43.50	-21.23
421.88	Peak	36.39	-8.99	27.40	46.00	-18.60
489.78	Peak	38.46	-7.37	31.09	46.00	-14.91
615.88	Peak	35.28	-4.56	30.72	46.00	-15.28
921.43	Peak	37.37	0.24	37.61	46.00	-8.39

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-27
 Temp./Humi. :24.5°C/63%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



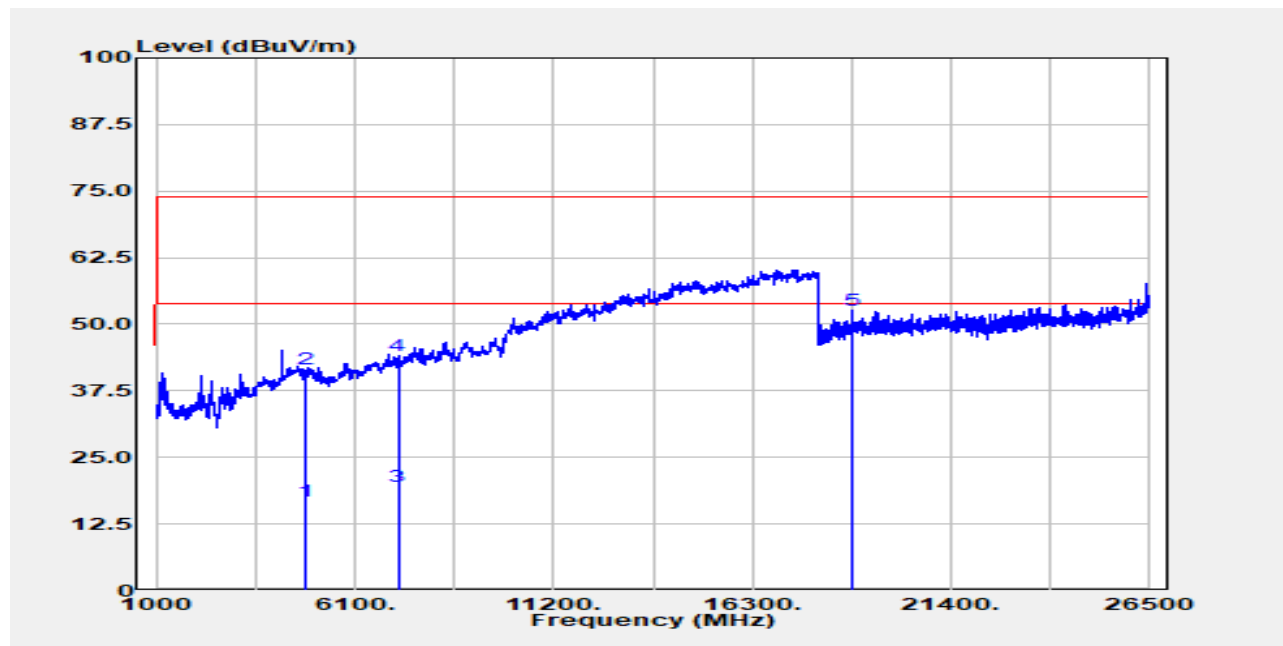
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
72.68	Peak	39.31	-15.49	23.82	40.00	-16.18
166.77	Peak	44.12	-13.18	30.94	43.50	-12.56
291.90	Peak	45.26	-12.08	33.18	46.00	-12.82
489.78	Peak	42.05	-7.37	34.68	46.00	-11.32
735.19	Peak	38.59	-2.53	36.06	46.00	-9.94
925.31	Peak	37.33	0.33	37.66	46.00	-8.34

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4804.00	Average	-	-	16.79	54.00	-37.21
4804.00	Peak	37.63	3.89	41.52	74.00	-32.48
7206.00	Average	-	-	19.43	54.00	-34.57
7206.00	Peak	35.84	8.32	44.16	74.00	-29.84
18875.50	Peak	45.60	6.99	52.59	74.00	-21.41

Average Duty Cycle Factor=-24.73 (dB)

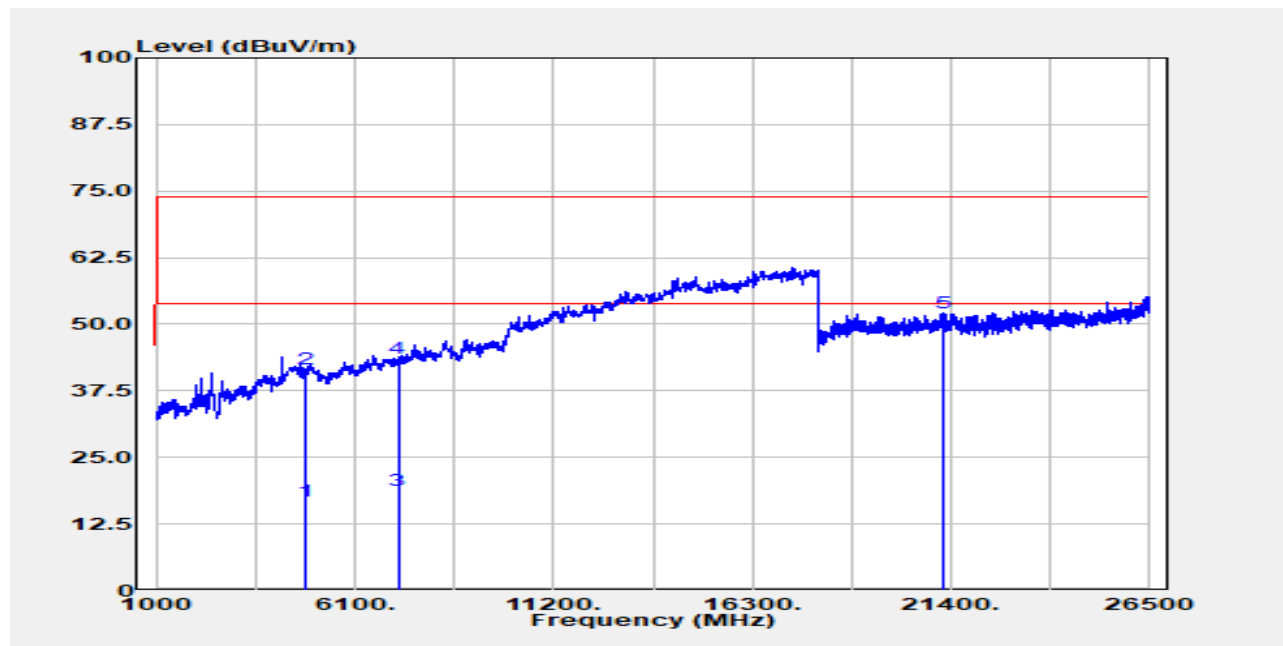
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



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	-	-	16.77	54.00	-37.23
4804.00	Peak	37.61	3.89	41.50	74.00	-32.50
7206.00	Average	-	-	18.81	54.00	-35.19
7206.00	Peak	35.22	8.32	43.54	74.00	-30.46
21230.00	Peak	42.82	9.39	52.21	74.00	-21.79

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

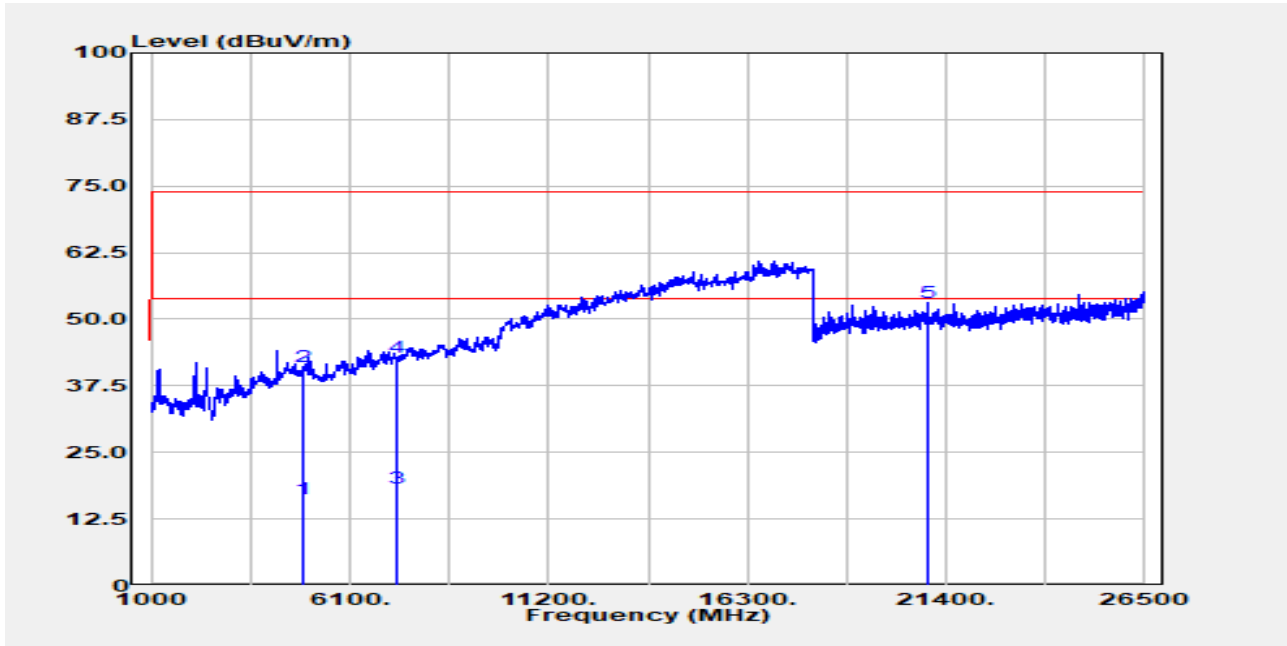
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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq. MHz	Detector Mode	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
4882.00	Average	-	-	16.33	54.00	-37.67
4882.00	Peak	36.98	4.08	41.06	74.00	-32.94
7323.00	Average	-	-	18.25	54.00	-35.75
7323.00	Peak	34.64	8.34	42.98	74.00	-31.02
20915.50	Peak	44.15	9.11	53.26	74.00	-20.74

Average Duty Cycle Factor=-24.73 (dB)

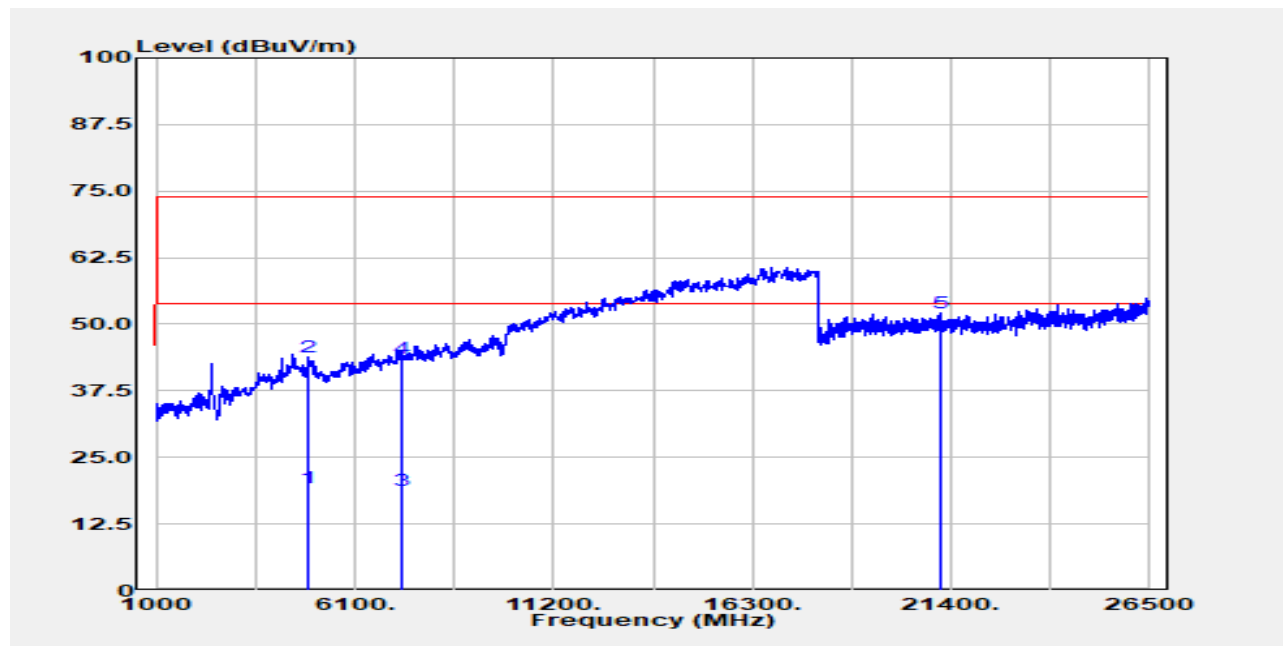
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4882.00	Average	-	-	19.23	54.00	-34.77
4882.00	Peak	39.88	4.08	43.96	74.00	-30.04
7323.00	Average	-	-	18.86	54.00	-35.14
7323.00	Peak	35.25	8.34	43.59	74.00	-30.41
21119.50	Peak	42.92	9.31	52.23	74.00	-21.77

Average Duty Cycle Factor=-24.73 (dB)

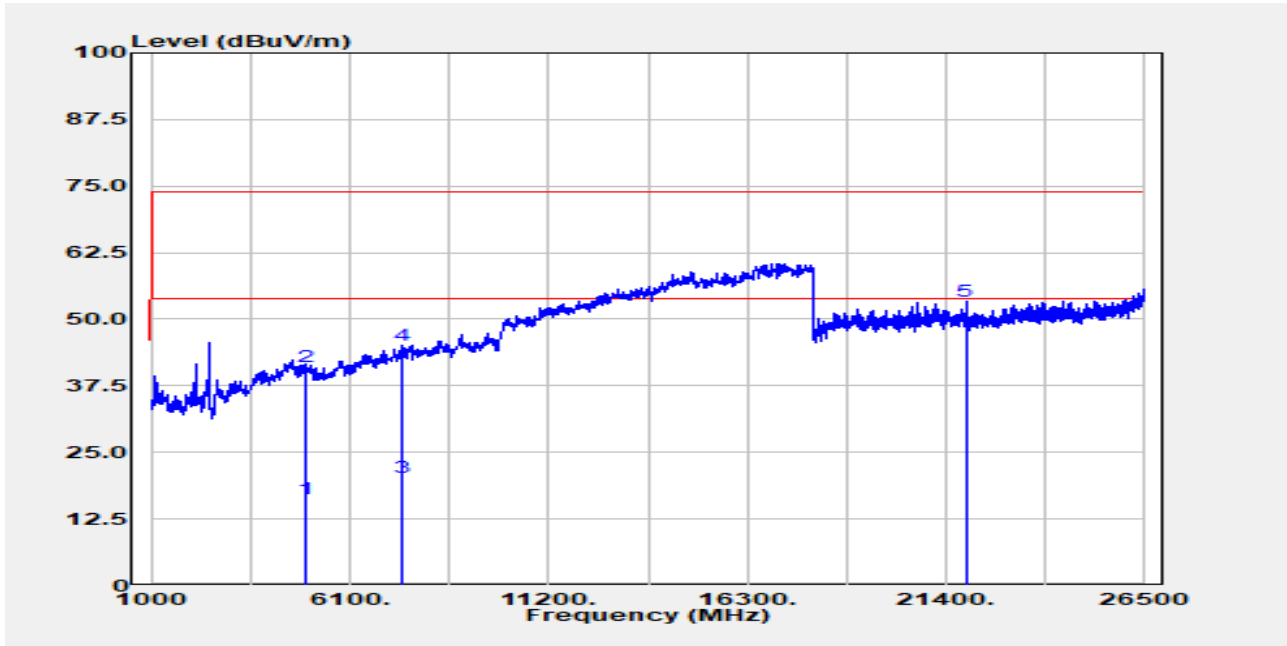
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



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	-	-	16.29	54.00	-37.71
4960.00	Peak	36.78	4.24	41.02	74.00	-32.98
7440.00	Average	-	-	20.35	54.00	-33.65
7440.00	Peak	36.16	8.92	45.08	74.00	-28.92
21901.50	Peak	43.29	10.12	53.41	74.00	-20.59

Average Duty Cycle Factor=-24.73 (dB)

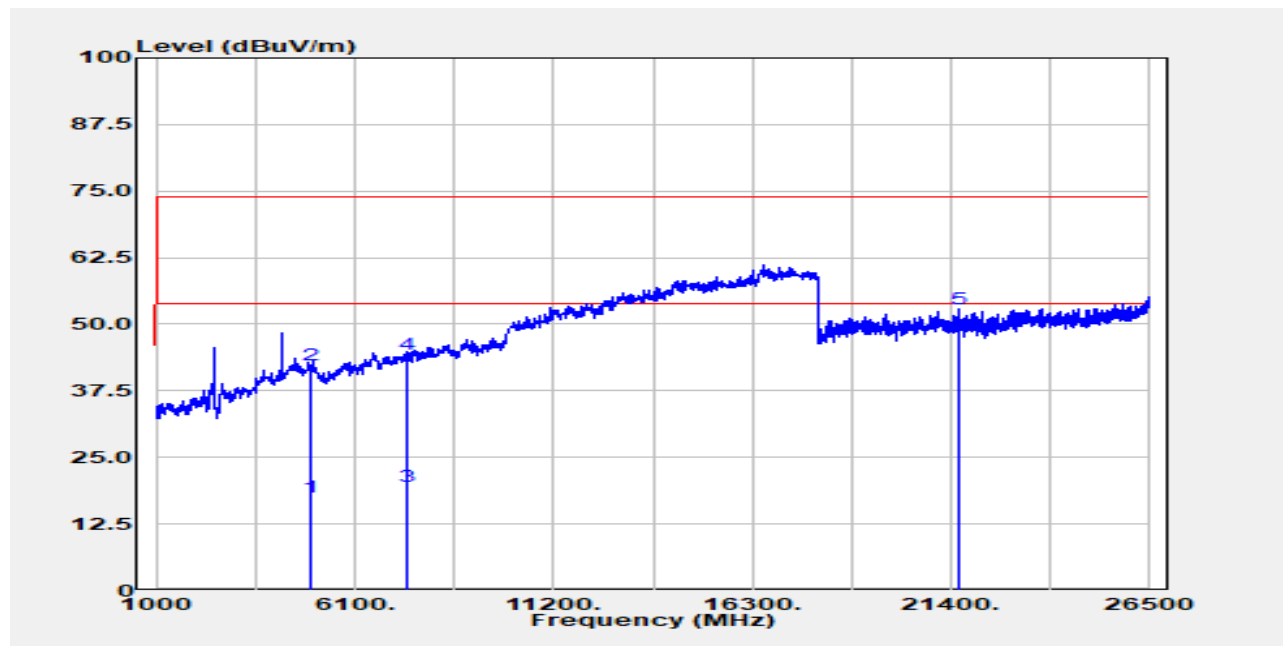
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :BR
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



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	-	-	17.58	54.00	-36.42
4960.00	Peak	38.07	4.24	42.31	74.00	-31.69
7440.00	Average	-	-	19.55	54.00	-34.45
7440.00	Peak	35.36	8.92	44.28	74.00	-29.72
21629.50	Peak	43.06	9.72	52.78	74.00	-21.22

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

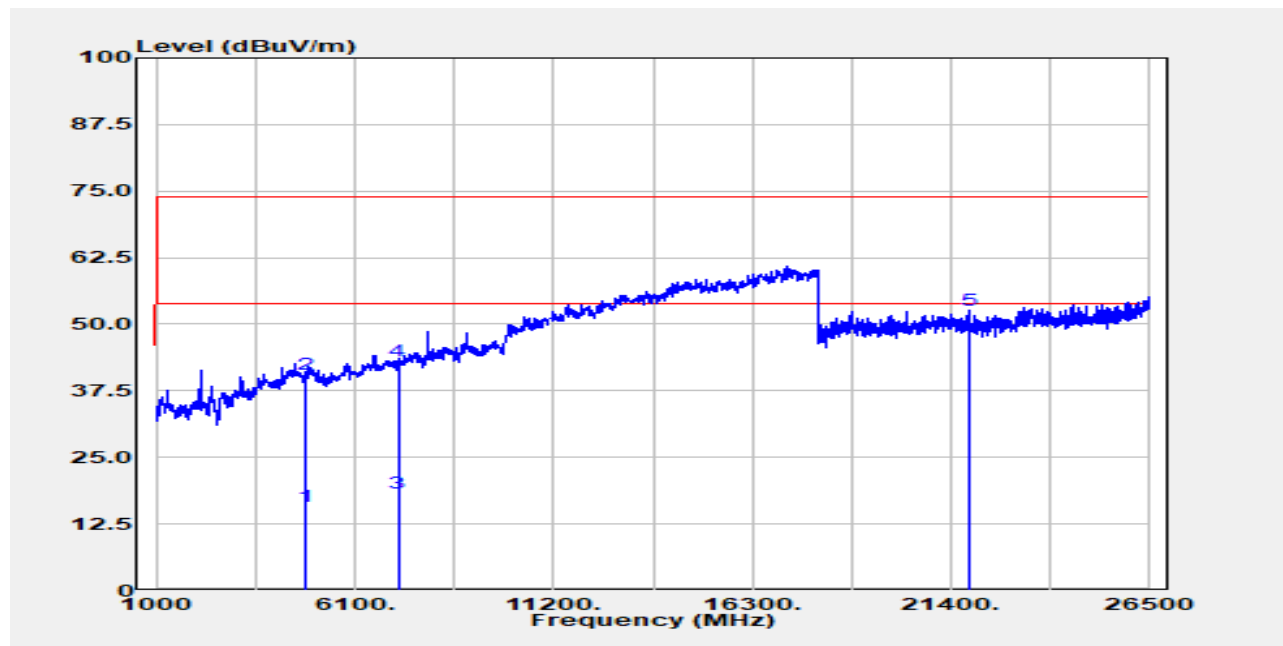
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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



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	-	-	15.78	54.00	-38.22
4804.00	Peak	36.62	3.89	40.51	74.00	-33.49
7206.00	Average	-	-	18.25	54.00	-35.75
7206.00	Peak	34.66	8.32	42.98	74.00	-31.02
21850.50	Peak	42.51	10.06	52.57	74.00	-21.43

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

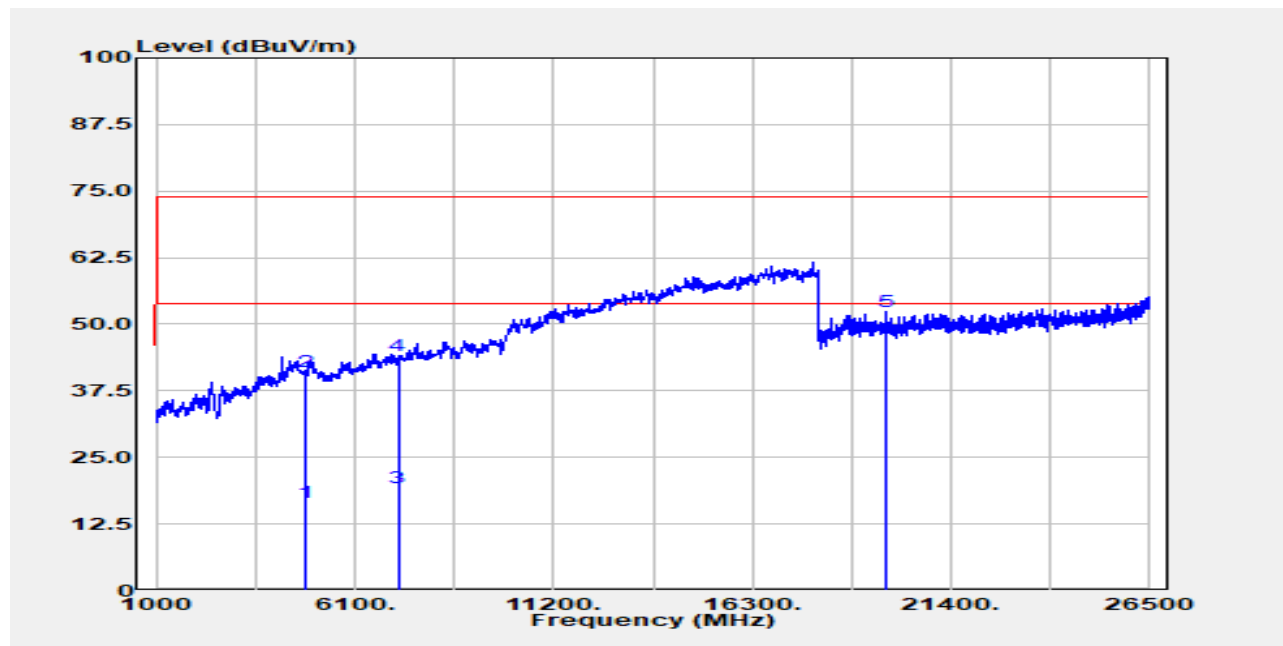
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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2402 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



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	-	-	16.50	54.00	-37.50
4804.00	Peak	37.34	3.89	41.23	74.00	-32.77
7206.00	Average	-	-	19.34	54.00	-34.66
7206.00	Peak	35.75	8.32	44.07	74.00	-29.93
19742.50	Peak	45.11	7.29	52.40	74.00	-21.60

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

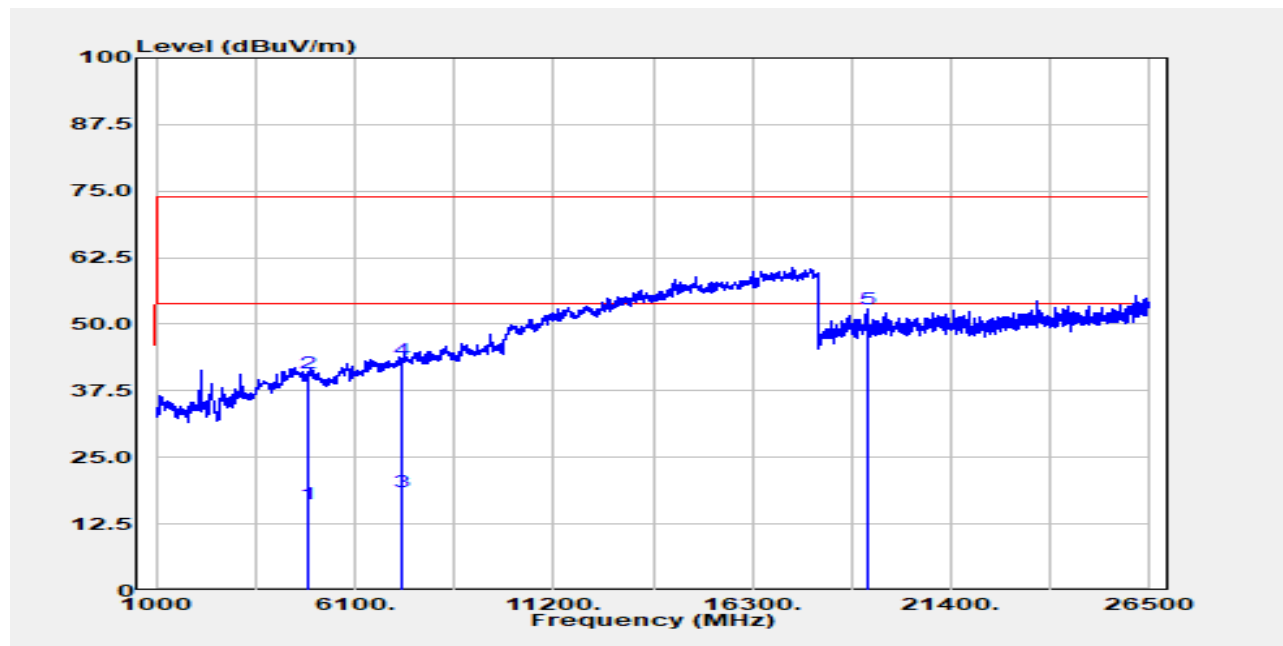
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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dB μ V	dB	dB μ V/m	dB μ V/m	dB
4882.00	Average	-	-	16.17	54.00	-37.83
4882.00	Peak	36.82	4.08	40.90	74.00	-33.10
7323.00	Average	-	-	18.62	54.00	-35.38
7323.00	Peak	35.01	8.34	43.35	74.00	-30.65
19232.50	Peak	45.71	7.12	52.83	74.00	-21.17

Average Duty Cycle Factor=-24.73 (dB)

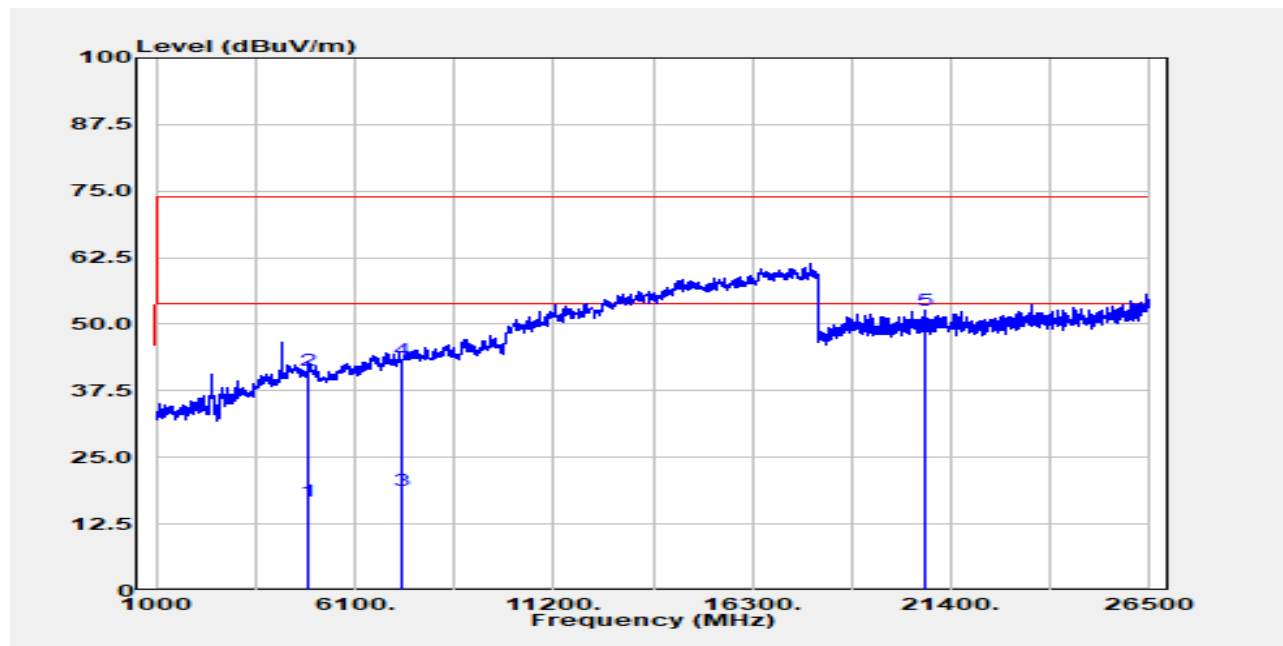
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2441 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



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	-	-	16.67	54.00	-37.33
4882.00	Peak	37.32	4.08	41.40	74.00	-32.60
7323.00	Average	-	-	18.74	54.00	-35.26
7323.00	Peak	35.13	8.34	43.47	74.00	-30.53
20745.50	Peak	44.07	8.55	52.62	74.00	-21.38

Average Duty Cycle Factor=-24.73 (dB)

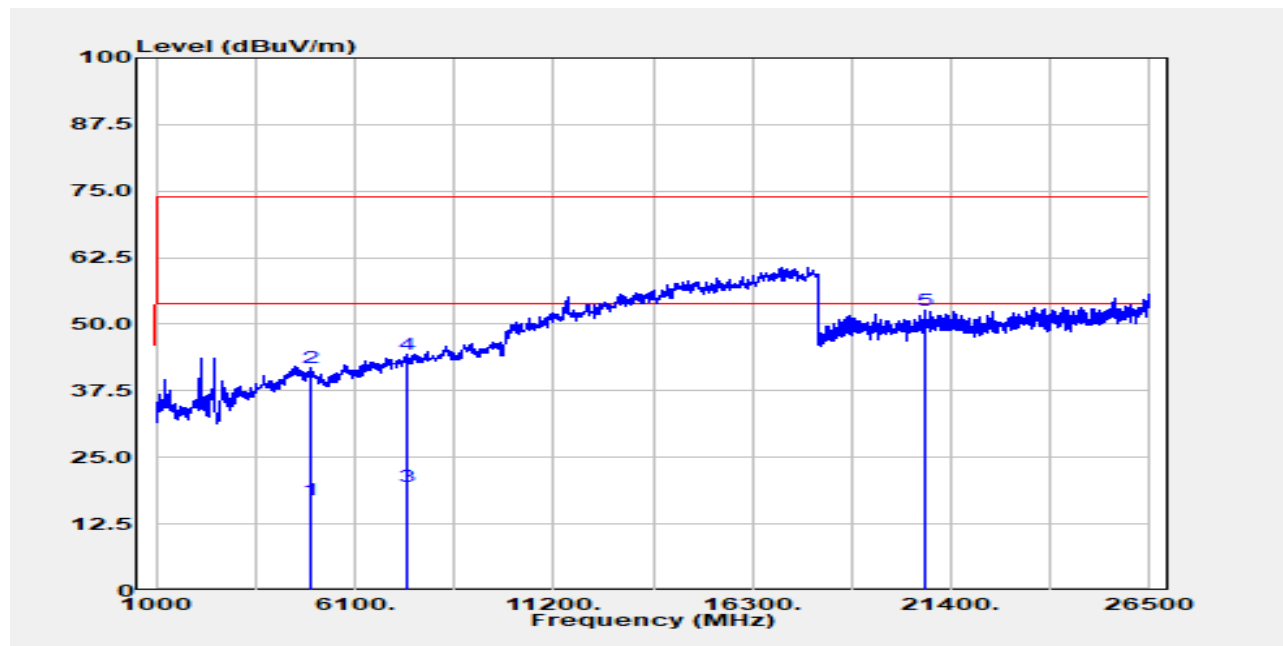
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Vertical
 Engineer :Temo Chen



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	-	-	17.08	54.00	-36.92
4960.00	Peak	37.57	4.24	41.81	74.00	-32.19
7440.00	Average	-	-	19.58	54.00	-34.42
7440.00	Peak	35.39	8.92	44.31	74.00	-29.69
20711.50	Peak	44.05	8.49	52.54	74.00	-21.46

Average Duty Cycle Factor=-24.73 (dB)

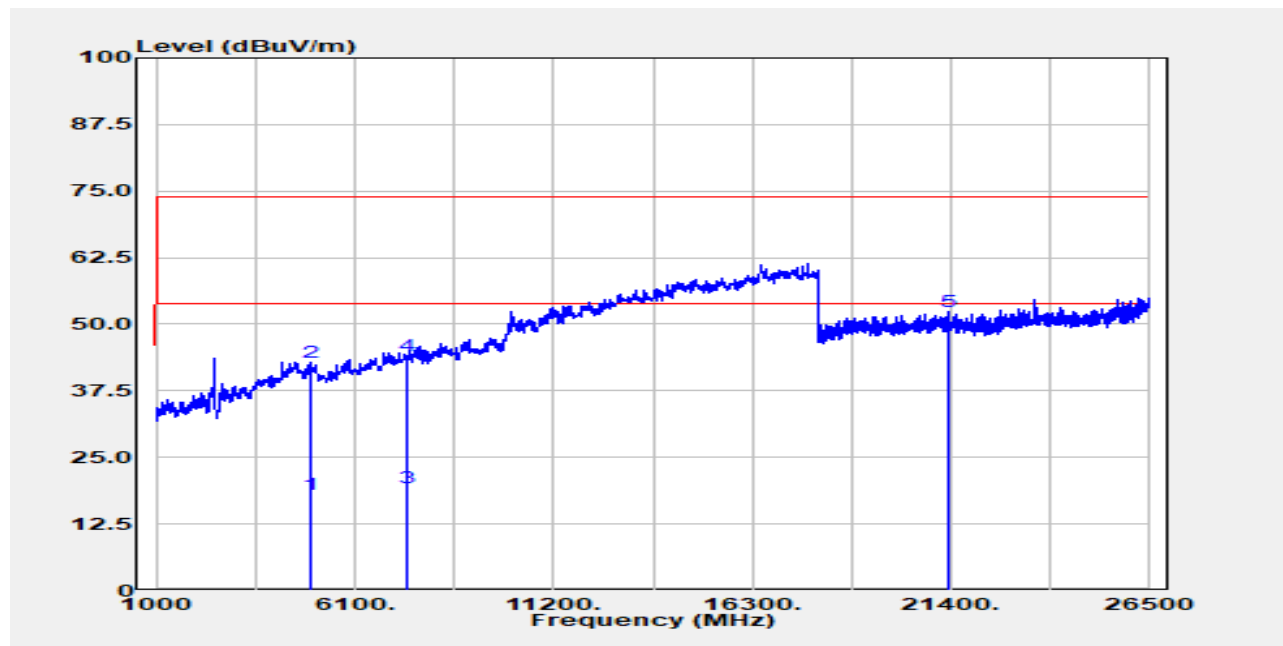
Average Level= Peak Level+ Duty Cycle Factor

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Report Number :TERF2504001436E2
 Operation Mode :EDR 3M
 Test Frequency :2480 MHz
 Test Mode :Tx
 EUT Pol :E2 Plane

Test Site :SAC G
 Test Date :2025-05-26
 Temp./Humi. :23.0°C/59%
 Antenna Pol. :Horizontal
 Engineer :Temo Chen



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	-	-	18.03	54.00	-35.97
4960.00	Peak	38.52	4.24	42.76	74.00	-31.24
7440.00	Average	-	-	19.30	54.00	-34.70
7440.00	Peak	35.11	8.92	44.03	74.00	-29.97
21323.50	Peak	42.92	9.37	52.29	74.00	-21.71

Average Duty Cycle Factor=-24.73 (dB)

Average Level= Peak Level+ Duty Cycle Factor

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7.8 AC Power Line Conducted Emission

Report Number :TERF2504001436E2

Test Site :Conduction C

Test Mode :BT

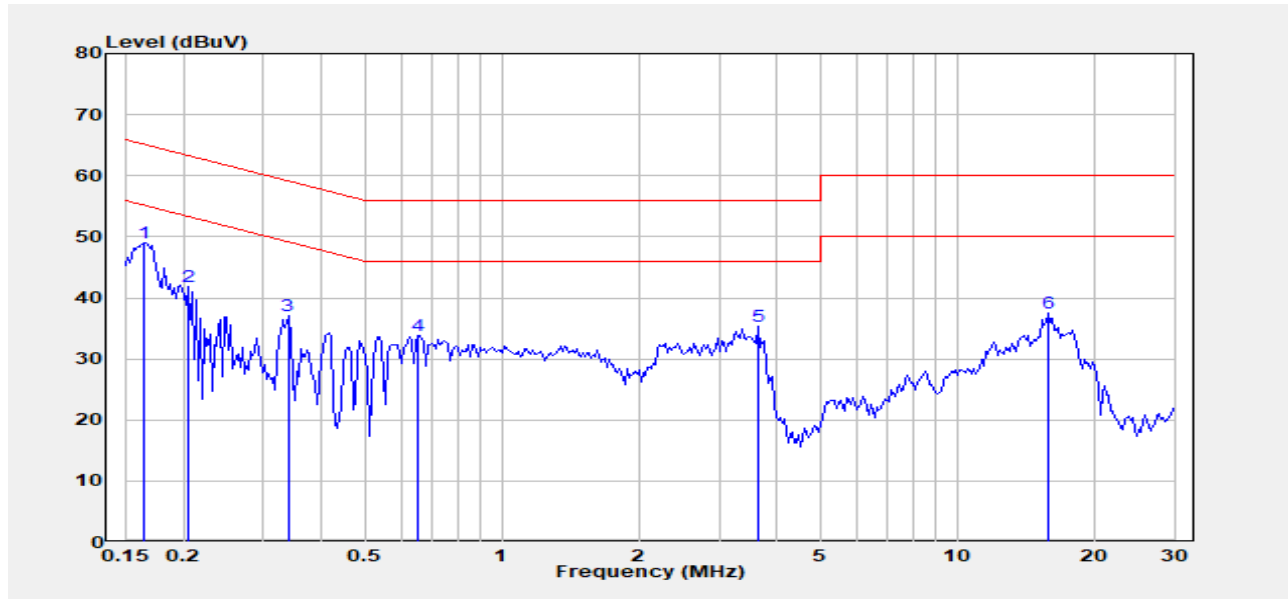
Test Date :2025-05-28

Power :120V/60Hz

Temp./Humi. :26°C/68%

Probe :L1

Engineer :Temo Chen



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level	dB	FS	dBμV	dB
	PK/QP/AV	dBμV		dBμV		
0.163	Peak	38.41	10.65	49.06	65.30	-16.24
0.204	Peak	31.21	10.65	41.86	63.45	-21.59
0.339	Peak	26.54	10.63	37.17	59.22	-22.06
0.654	Peak	23.13	10.64	33.78	56.00	-22.22
3.642	Peak	24.38	10.88	35.26	56.00	-20.74
15.885	Peak	26.42	11.09	37.51	60.00	-22.49

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Report Number :TERF2504001436E2

Test Site :Conduction C

Test Mode :BT

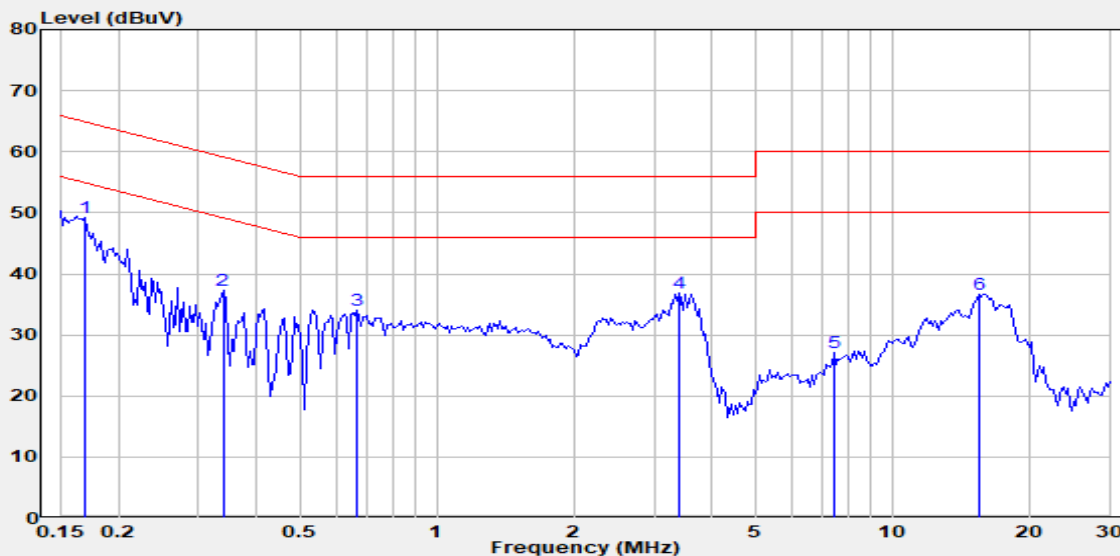
Test Date :2025-05-28

Power :120V/60Hz

Temp./Humi. :26°C/68%

Probe :N

Engineer :Temo Chen



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
0.169	Peak	38.52	10.66	49.18	65.03	-15.85
0.339	Peak	26.65	10.62	37.27	59.22	-21.95
0.668	Peak	23.31	10.63	33.94	56.00	-22.06
3.417	Peak	26.01	10.85	36.86	56.00	-19.14
7.486	Peak	16.24	10.94	27.18	60.00	-32.82
15.552	Peak	25.60	11.08	36.69	60.00	-23.31

~ End of Report ~

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