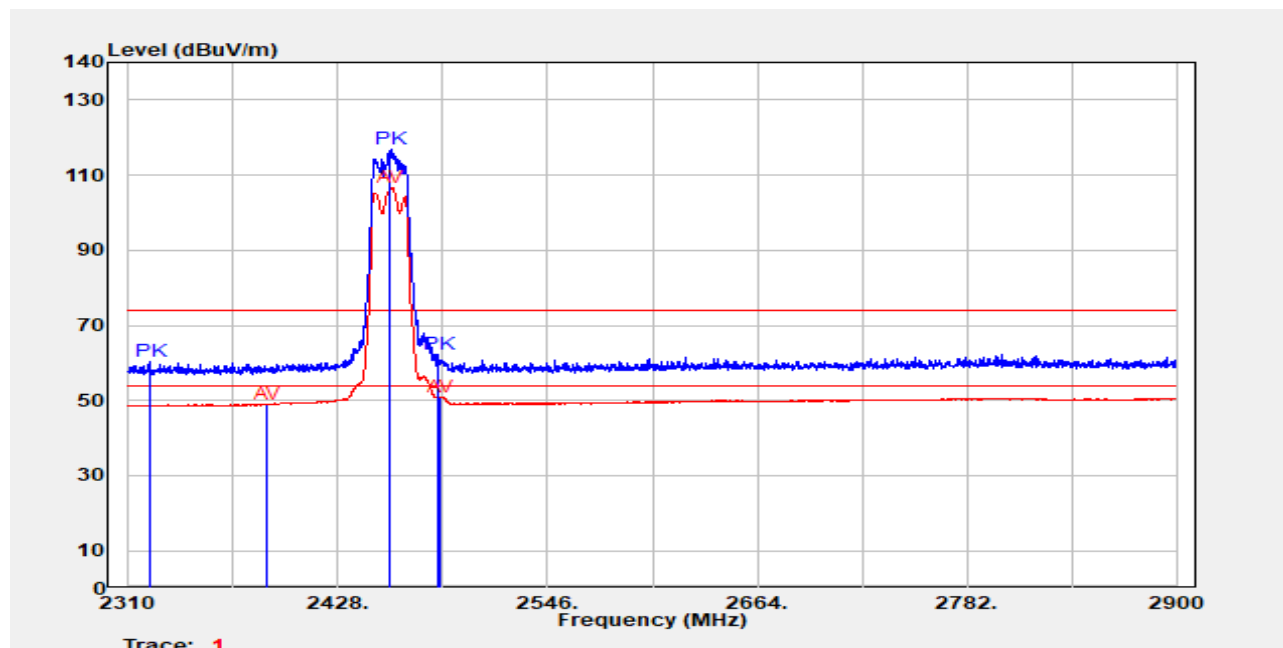


Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2457 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2321.61	Peak	64.92	-4.68	60.24	74.00	-13.76
2387.91	Average	53.59	-4.60	48.99	54.00	-5.01
2457.00	Peak	121.90	-4.88	117.02	-	-
2457.00	Average	111.46	-4.88	106.58	-	-
2484.11	Peak	67.03	-4.87	62.16	74.00	-11.84
2485.29	Average	55.82	-4.87	50.95	54.00	-3.05

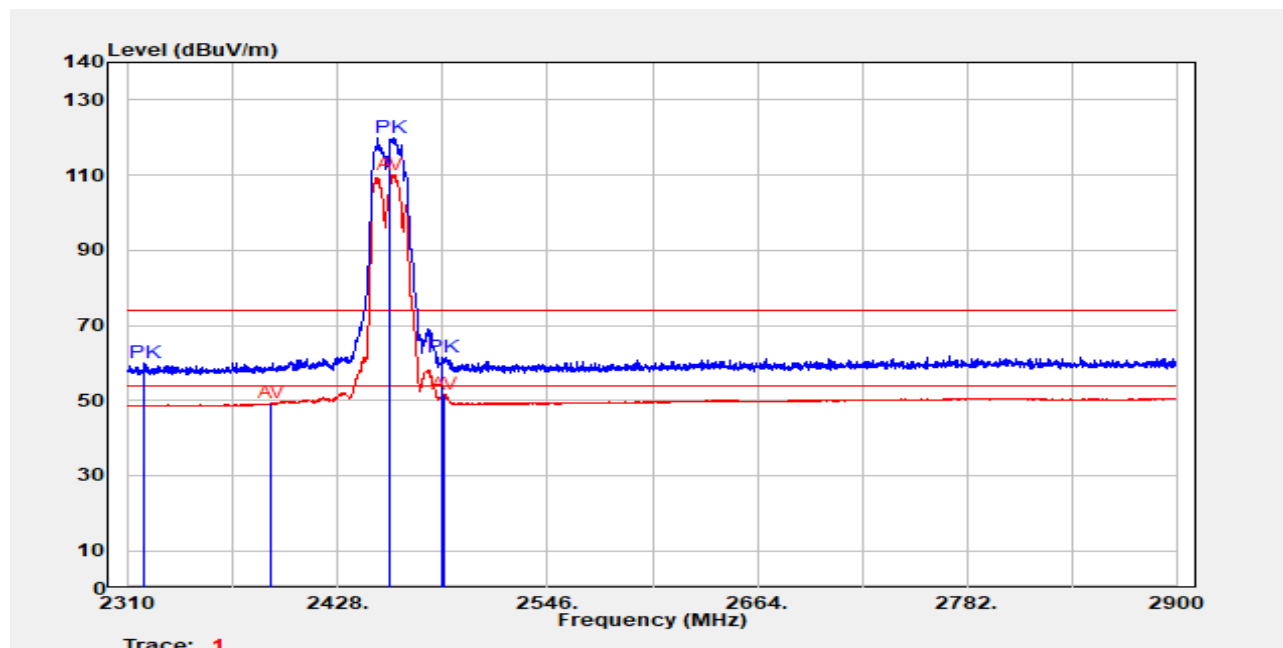
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2457 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2318.46	Peak	64.61	-4.67	59.94	74.00	-14.06
2389.87	Average	53.82	-4.60	49.22	54.00	-4.78
2457.00	Peak	124.71	-4.88	119.83	-	-
2457.00	Average	115.10	-4.88	110.22	-	-
2486.86	Peak	66.48	-4.87	61.61	74.00	-12.39
2487.06	Average	56.52	-4.87	51.65	54.00	-2.35

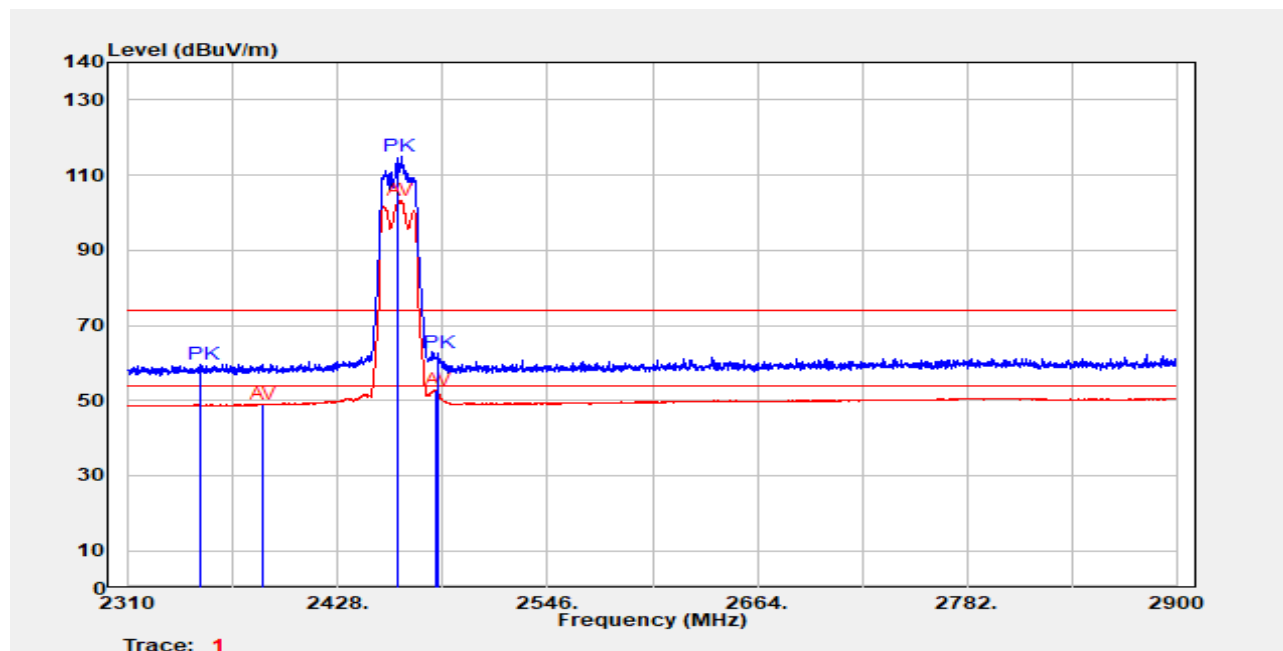
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2462 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2350.92	Peak	64.35	-4.70	59.65	74.00	-14.35
2385.55	Average	53.54	-4.59	48.95	54.00	-5.05
2462.00	Peak	120.02	-4.88	115.14	-	-
2462.00	Average	108.23	-4.88	103.35	-	-
2483.50	Average	57.46	-4.87	52.59	54.00	-1.41
2484.50	Peak	67.30	-4.87	62.43	74.00	-11.57

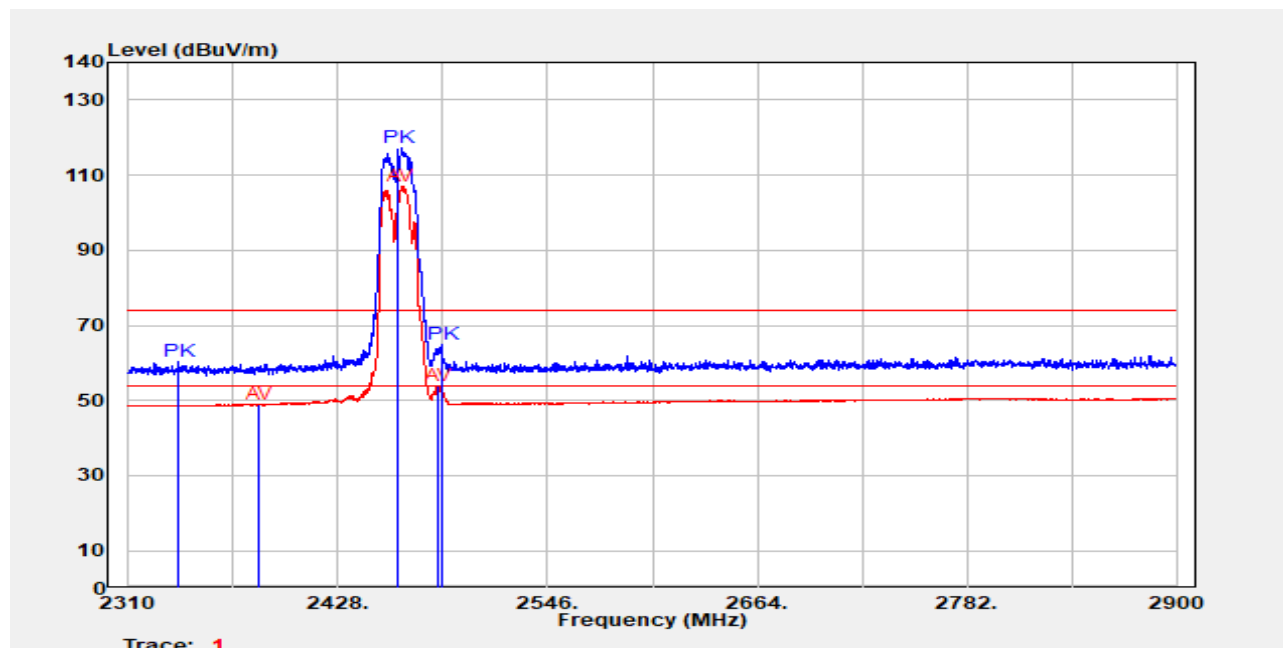
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2462 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2338.33	Peak	65.06	-4.69	60.37	74.00	-13.63
2382.79	Average	53.57	-4.60	48.97	54.00	-5.03
2462.00	Peak	121.98	-4.88	117.10	-	-
2462.00	Average	111.93	-4.88	107.05	-	-
2483.91	Average	58.75	-4.87	53.88	54.00	-0.12
2486.47	Peak	69.61	-4.87	64.74	74.00	-9.26

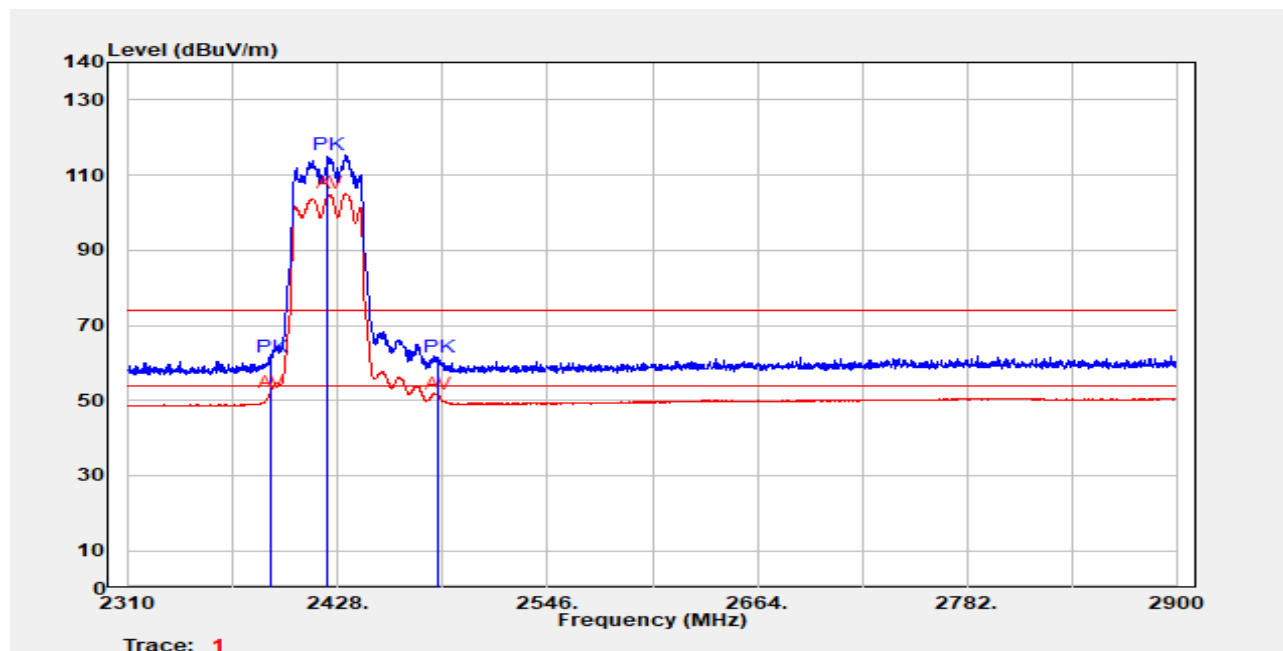
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2422 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2389.68	Peak	66.23	-4.60	61.63	74.00	-12.37
2389.87	Average	56.73	-4.60	52.13	54.00	-1.87
2422.00	Peak	120.20	-4.69	115.51	-	-
2422.00	Average	109.62	-4.69	104.93	-	-
2483.72	Average	56.53	-4.87	51.66	54.00	-2.34
2484.11	Peak	66.48	-4.87	61.61	74.00	-12.39

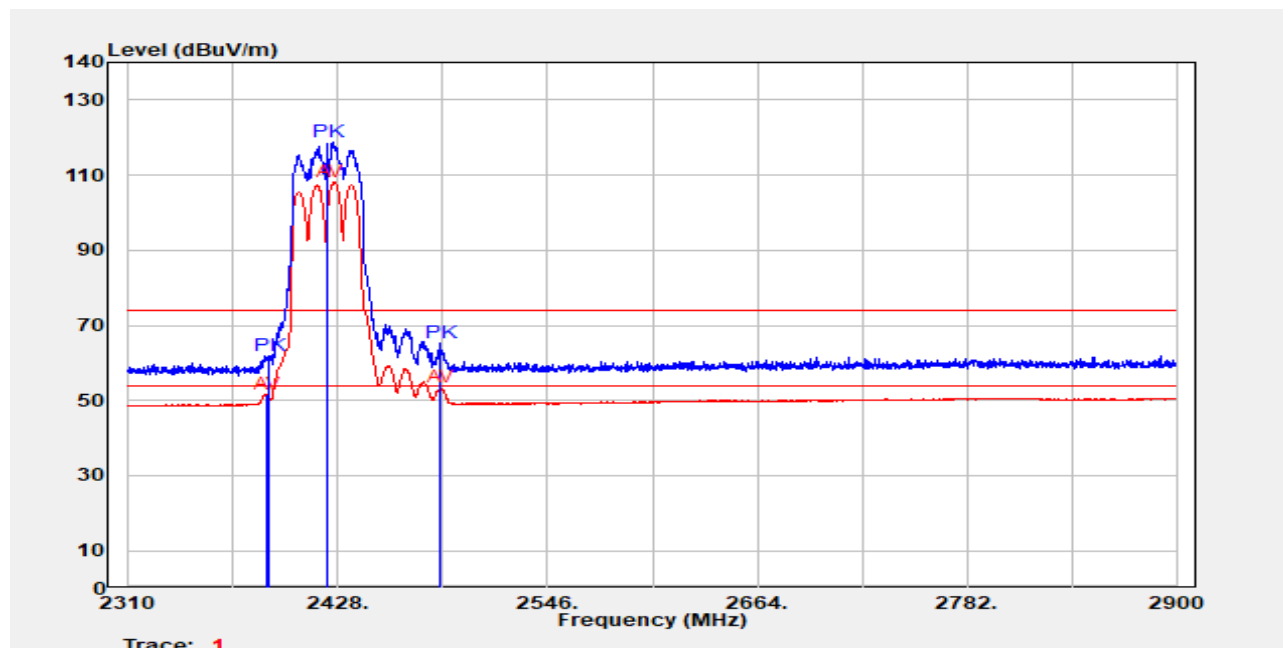
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2422 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2387.32	Average	56.03	-4.60	51.43	54.00	-2.57
2388.89	Peak	66.55	-4.60	61.95	74.00	-12.05
2422.00	Peak	123.57	-4.69	118.88	-	-
2422.00	Average	112.85	-4.69	108.16	-	-
2485.29	Peak	69.94	-4.87	65.07	74.00	-8.93
2485.49	Average	58.19	-4.87	53.32	54.00	-0.68

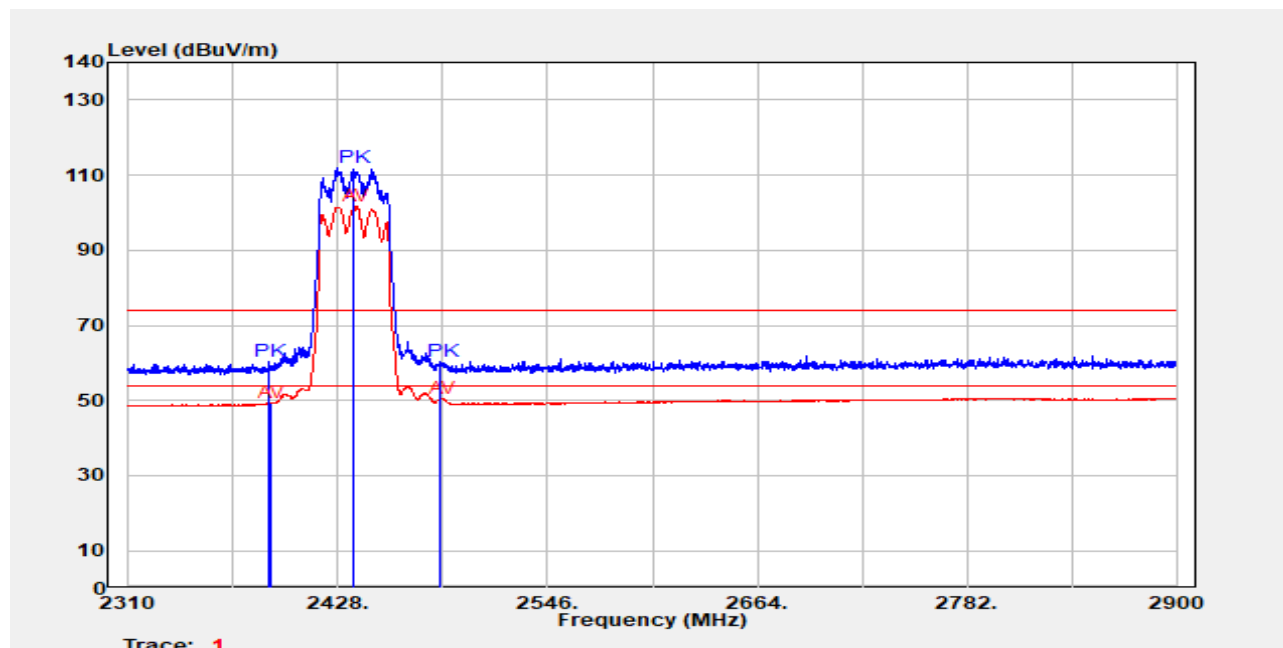
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2437 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2389.09	Peak	64.77	-4.60	60.17	74.00	-13.83
2389.87	Average	53.88	-4.60	49.28	54.00	-4.72
2437.00	Peak	116.82	-4.76	112.06	-	-
2437.00	Average	106.48	-4.76	101.72	-	-
2485.68	Average	55.45	-4.87	50.58	54.00	-3.42
2485.88	Peak	65.20	-4.87	60.33	74.00	-13.67

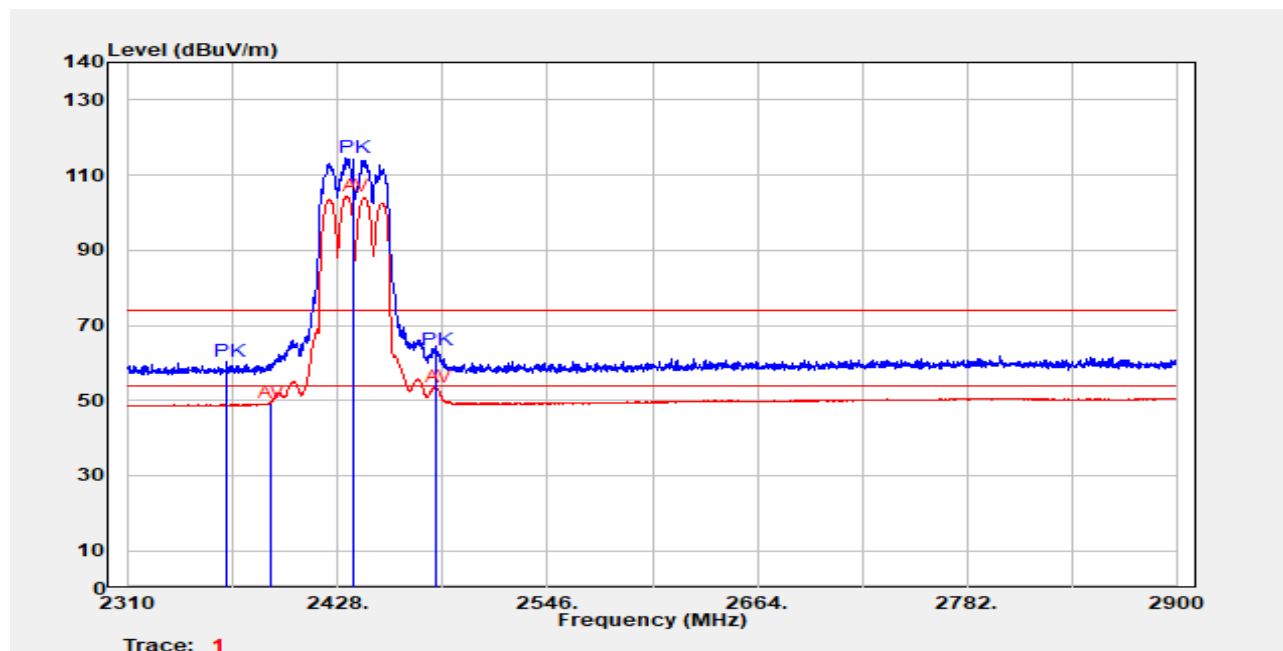
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2437 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2365.68	Peak	65.13	-4.69	60.44	74.00	-13.56
2389.68	Average	53.96	-4.60	49.36	54.00	-4.64
2437.00	Peak	119.21	-4.76	114.45	-	-
2437.00	Average	108.95	-4.76	104.19	-	-
2483.50	Peak	68.36	-4.87	63.49	74.00	-10.51
2483.50	Average	58.32	-4.87	53.45	54.00	-0.55

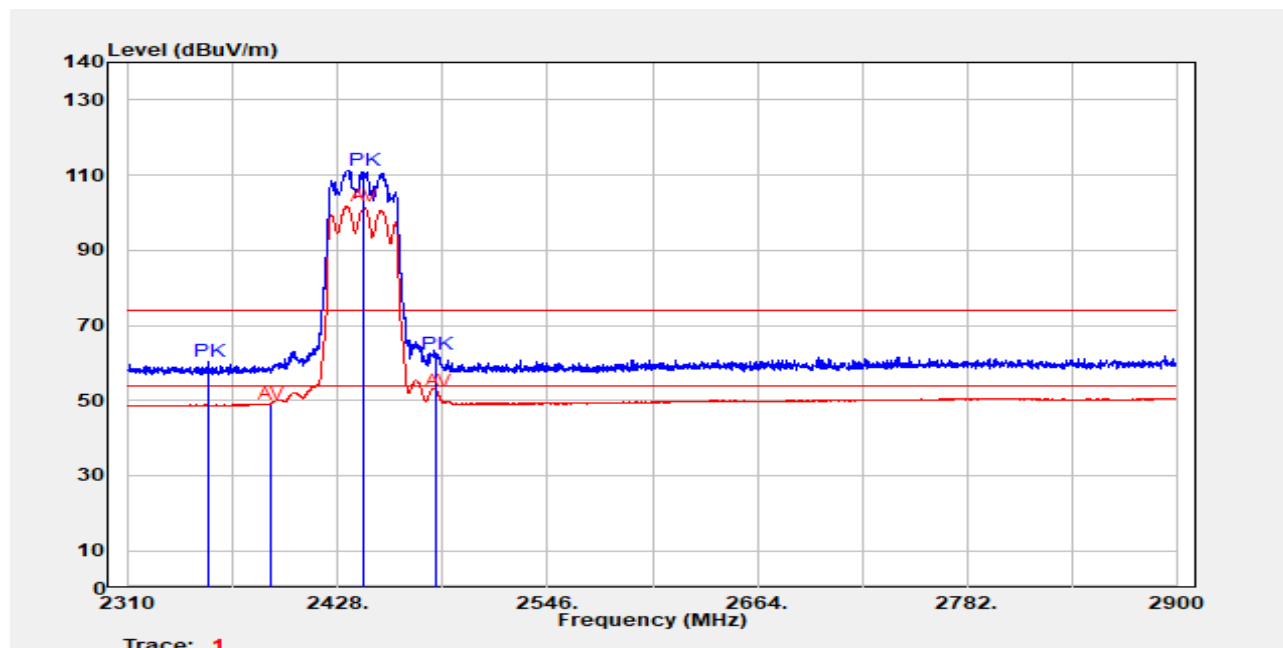
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2442 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2354.86	Peak	64.95	-4.70	60.25	74.00	-13.75
2389.87	Average	53.70	-4.60	49.10	54.00	-4.90
2442.00	Peak	116.10	-4.80	111.30	-	-
2442.00	Average	106.32	-4.80	101.52	-	-
2483.50	Peak	67.26	-4.87	62.39	74.00	-11.61
2483.50	Average	57.37	-4.87	52.50	54.00	-1.50

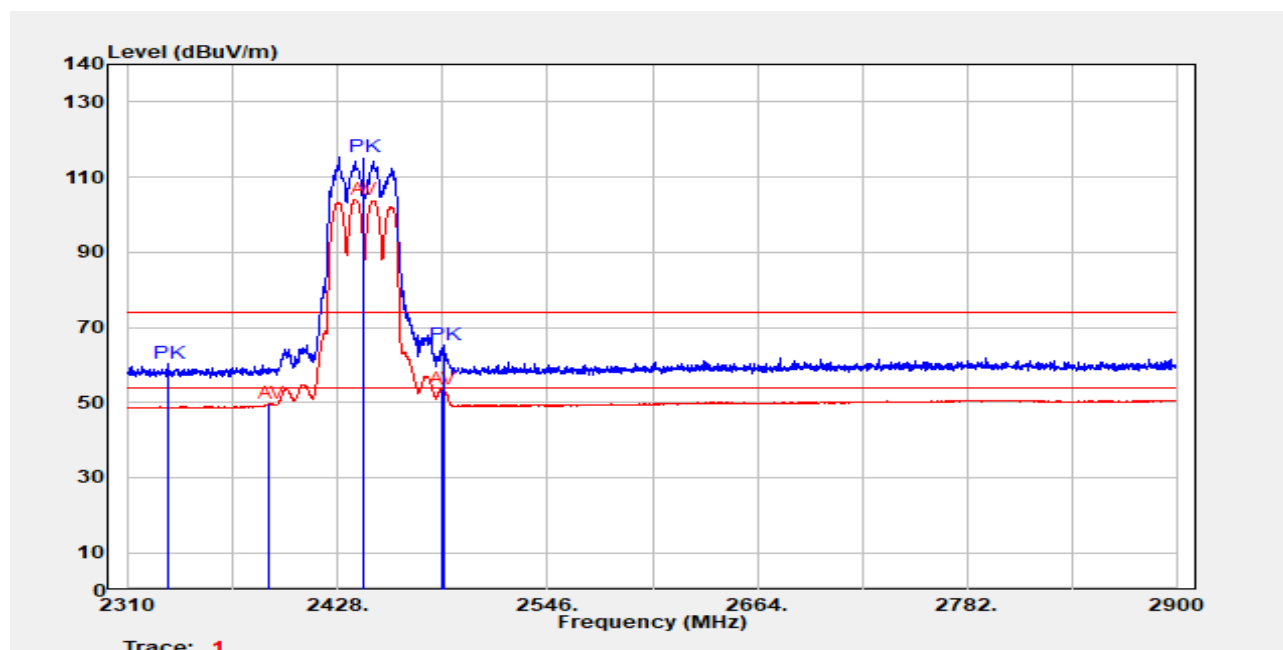
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2442 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



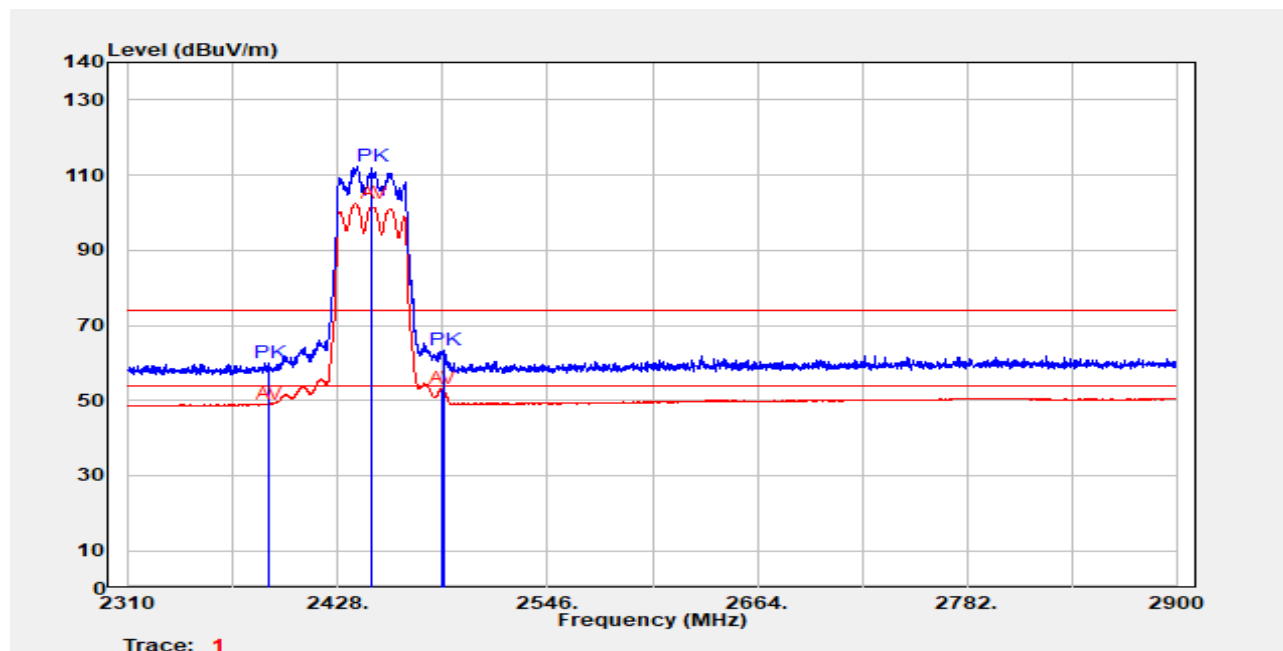
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2332.03	Peak	64.87	-4.69	60.18	74.00	-13.82
2389.48	Average	54.17	-4.60	49.57	54.00	-4.43
2442.00	Peak	120.08	-4.80	115.28	-	-
2442.00	Average	108.80	-4.80	104.00	-	-
2486.27	Average	58.53	-4.87	53.66	54.00	-0.34
2487.06	Peak	69.98	-4.87	65.11	74.00	-8.89

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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2447 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2388.89	Peak	64.49	-4.60	59.89	74.00	-14.11
2389.09	Average	53.73	-4.60	49.13	54.00	-4.87
2447.00	Peak	117.32	-4.85	112.47	-	-
2447.00	Average	107.26	-4.85	102.41	-	-
2486.08	Average	57.93	-4.87	53.06	54.00	-0.94
2488.04	Peak	68.05	-4.86	63.19	74.00	-10.81

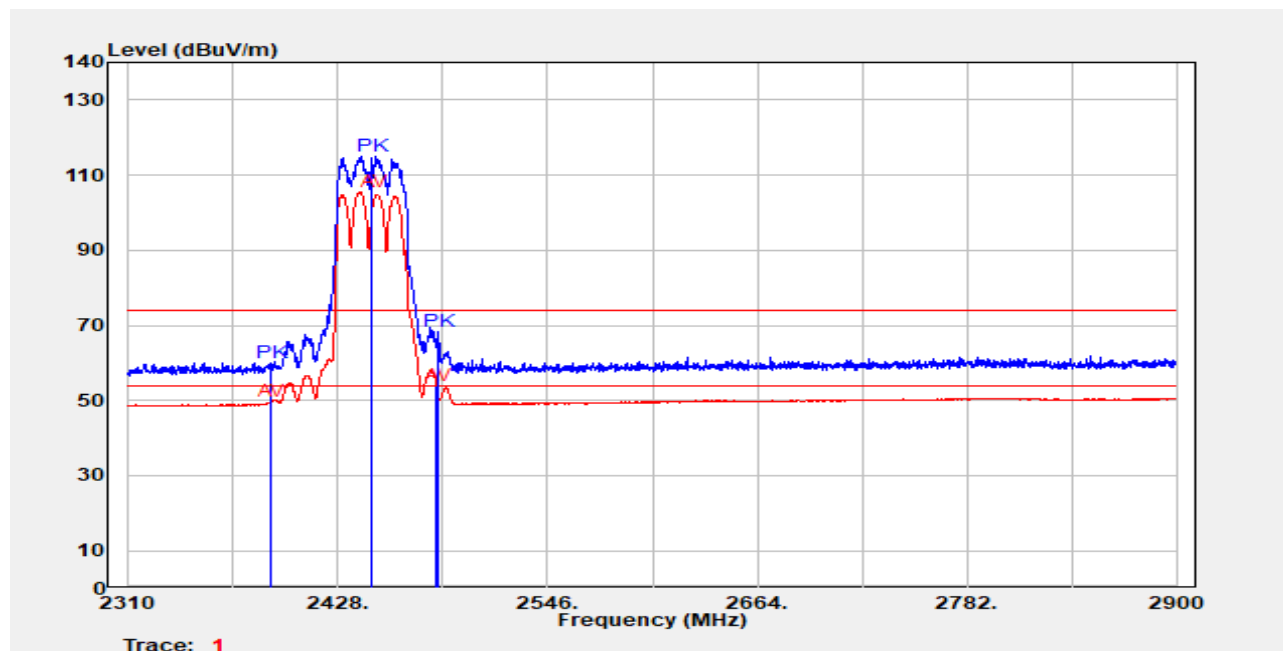
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2447 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2389.87	Peak	64.69	-4.60	60.09	74.00	-13.91
2389.87	Average	54.28	-4.60	49.68	54.00	-4.32
2447.00	Peak	119.99	-4.85	115.14	-	-
2447.00	Average	110.28	-4.85	105.43	-	-
2483.50	Average	58.71	-4.87	53.84	54.00	-0.16
2483.72	Peak	73.13	-4.87	68.26	74.00	-5.74

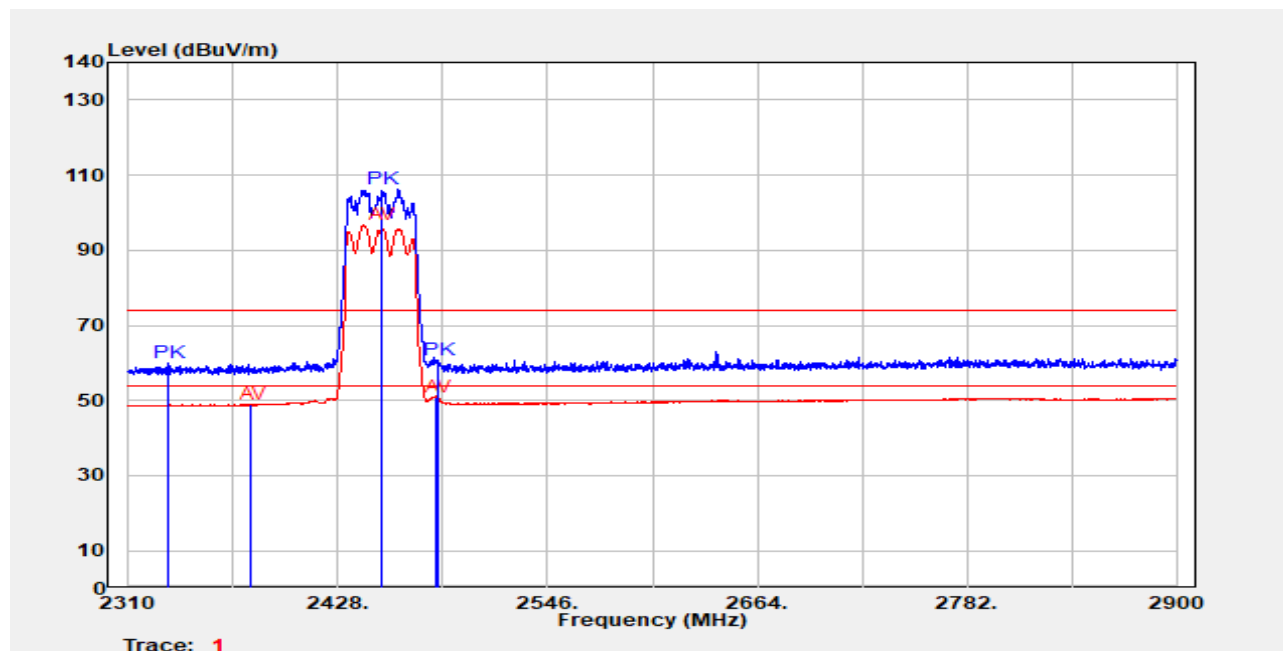
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2452 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2332.03	Peak	64.78	-4.69	60.09	74.00	-13.91
2379.25	Average	53.57	-4.61	48.96	54.00	-5.04
2452.00	Peak	110.95	-4.88	106.07	-	-
2452.00	Average	101.51	-4.88	96.63	-	-
2483.50	Average	55.79	-4.87	50.92	54.00	-3.08
2483.72	Peak	65.76	-4.87	60.89	74.00	-13.11

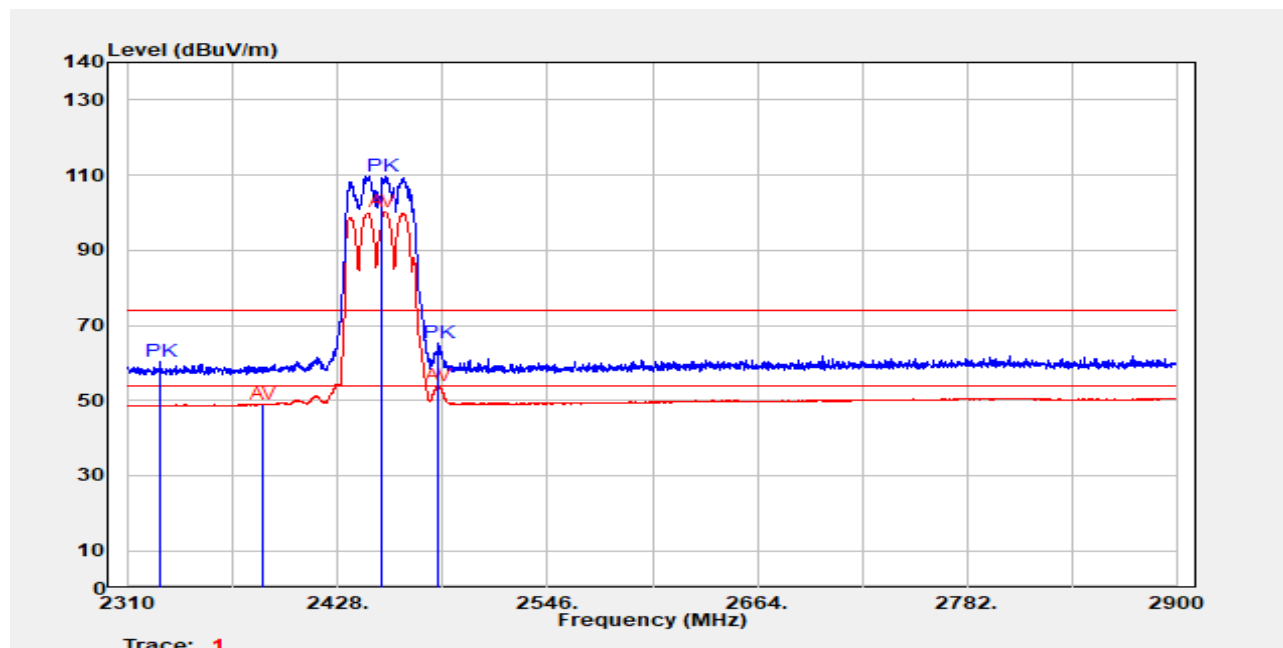
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2452 MHz  
Test Mode :Bandedge  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-11-08  
Temp./Humi. :24.1°C/64%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
2327.51	Peak	64.84	-4.69	60.15	74.00	-13.85
2385.15	Average	53.55	-4.59	48.96	54.00	-5.04
2452.00	Peak	114.68	-4.88	109.80	-	-
2452.00	Average	104.96	-4.88	100.08	-	-
2484.11	Average	58.59	-4.87	53.72	54.00	-0.28
2484.70	Peak	69.99	-4.87	65.12	74.00	-8.88

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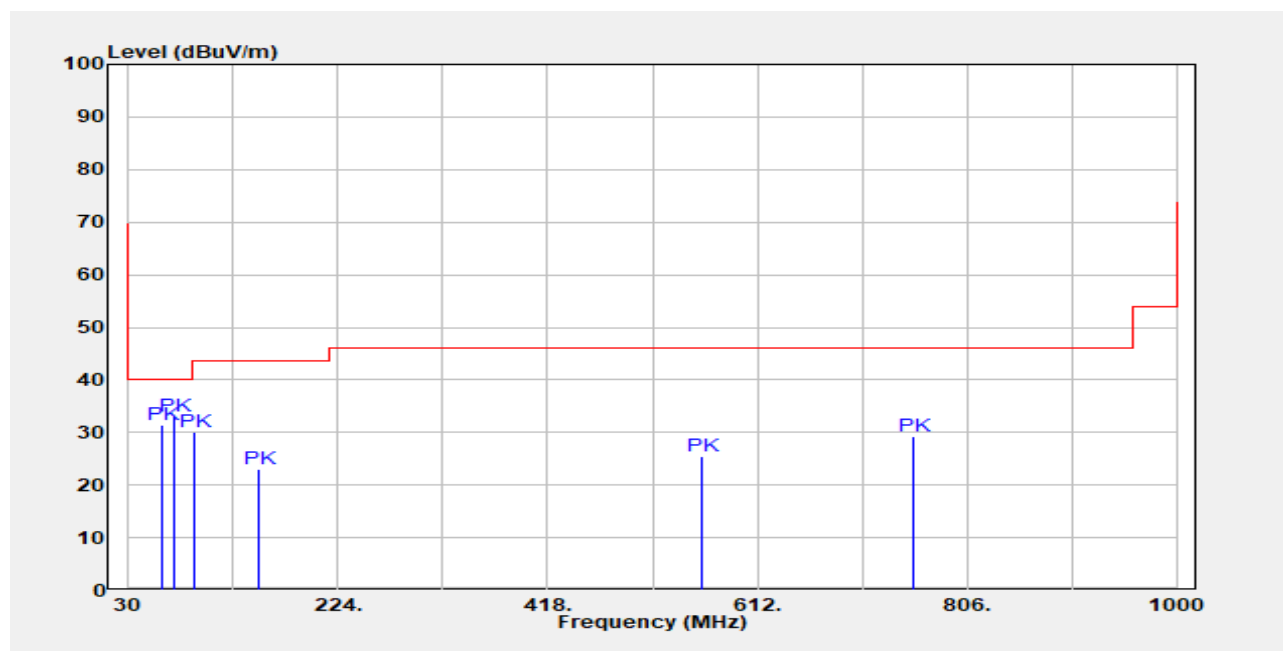
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## 11.6.2 Spurious Emission:

Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
60.07	Peak	44.74	-13.25	31.49	40.00	-8.51
72.68	Peak	49.02	-15.92	33.10	40.00	-6.90
90.14	Peak	48.83	-18.76	30.07	43.50	-13.43
150.28	Peak	35.70	-12.79	22.91	43.50	-20.59
560.59	Peak	31.01	-5.51	25.50	46.00	-20.50
756.53	Peak	30.63	-1.28	29.35	46.00	-16.65

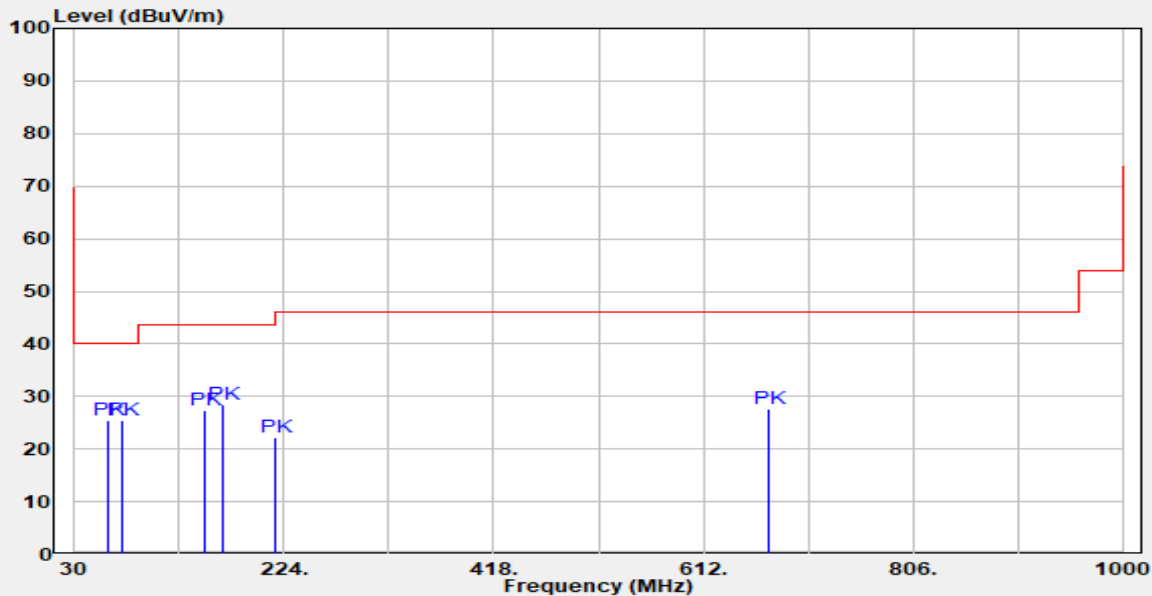
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
60.07	Peak	38.71	-13.25	25.46	40.00	-14.54
74.62	Peak	41.92	-16.37	25.55	40.00	-14.45
151.25	Peak	40.28	-12.83	27.45	43.50	-16.05
167.74	Peak	41.42	-13.04	28.38	43.50	-15.12
215.27	Peak	37.69	-15.43	22.26	43.50	-21.24
673.11	Peak	31.08	-3.39	27.69	46.00	-18.31

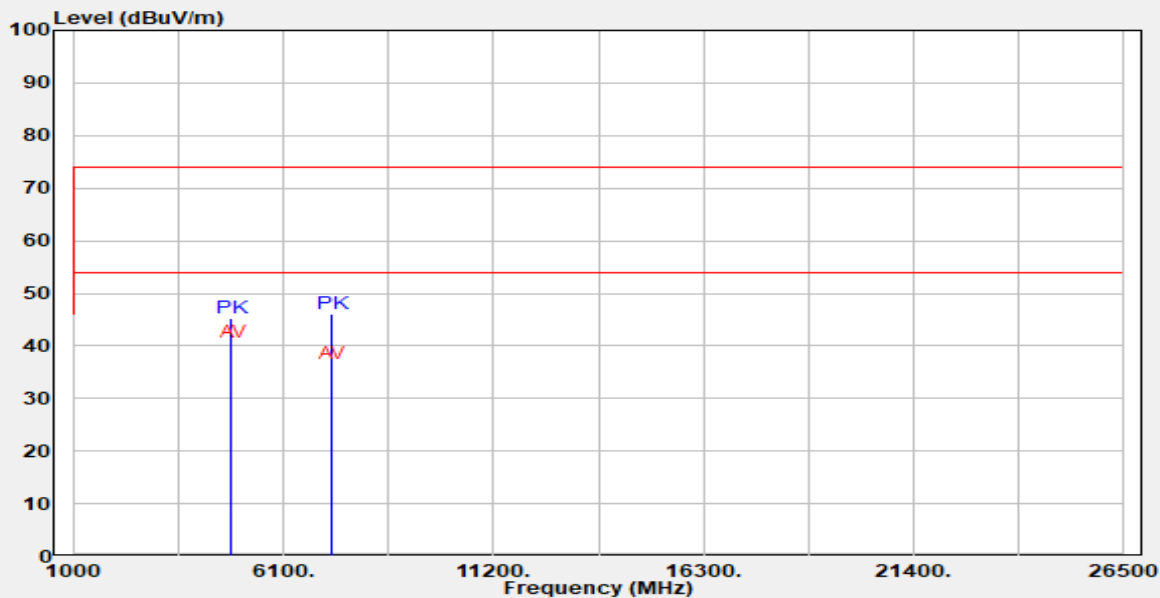
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	43.61	1.63	45.24	74.00	-28.76
4824.00	Average	39.15	1.63	40.78	54.00	-13.22
7236.00	Peak	39.20	6.92	46.12	74.00	-27.88
7236.00	Average	29.57	6.92	36.49	54.00	-17.51

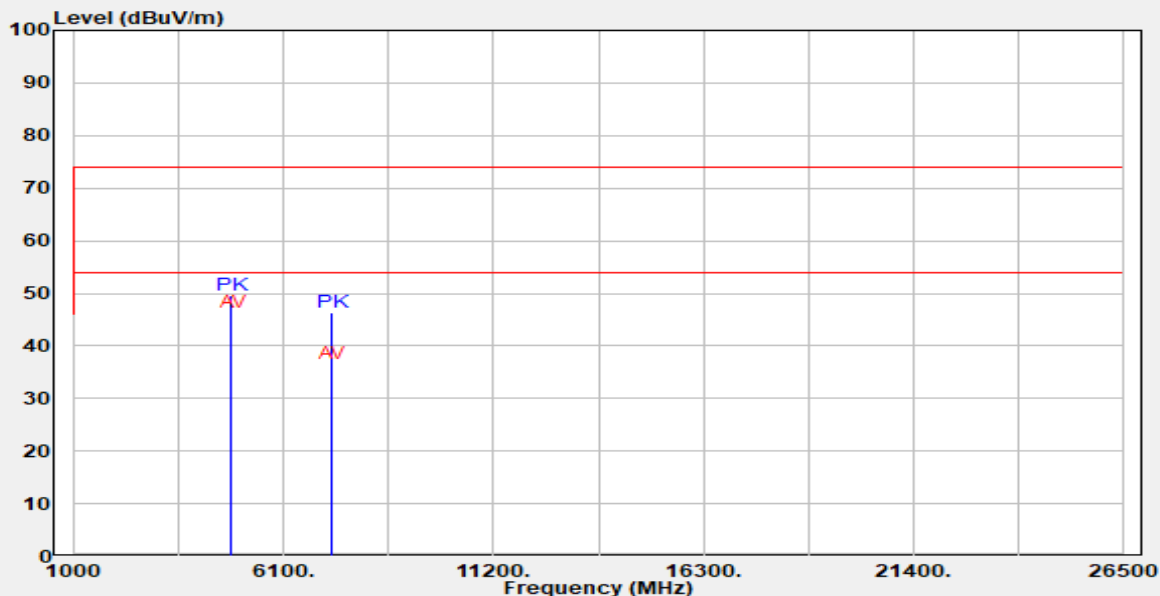
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4824.00	Peak	47.98	1.63	49.61	74.00	-24.39
4824.00	Average	44.77	1.63	46.40	54.00	-7.60
7236.00	Peak	39.46	6.92	46.38	74.00	-27.62
7236.00	Average	29.61	6.92	36.53	54.00	-17.47

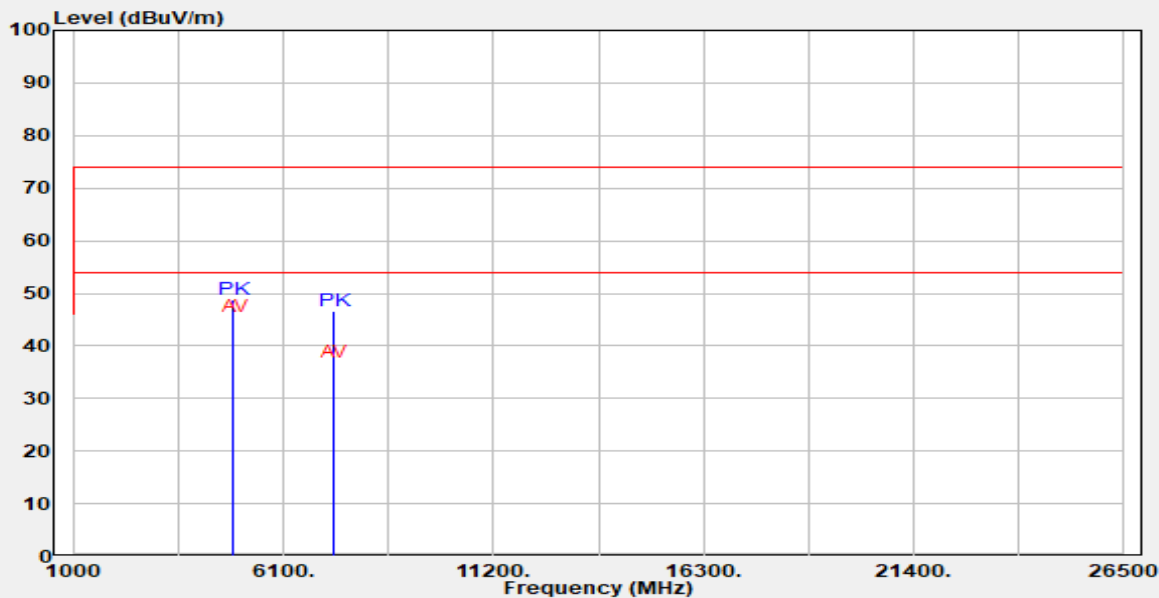
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Peak	46.84	1.88	48.72	74.00	-25.28
4874.00	Average	43.71	1.88	45.59	54.00	-8.41
7311.00	Peak	39.72	6.99	46.71	74.00	-27.29
7311.00	Average	29.74	6.99	36.73	54.00	-17.27

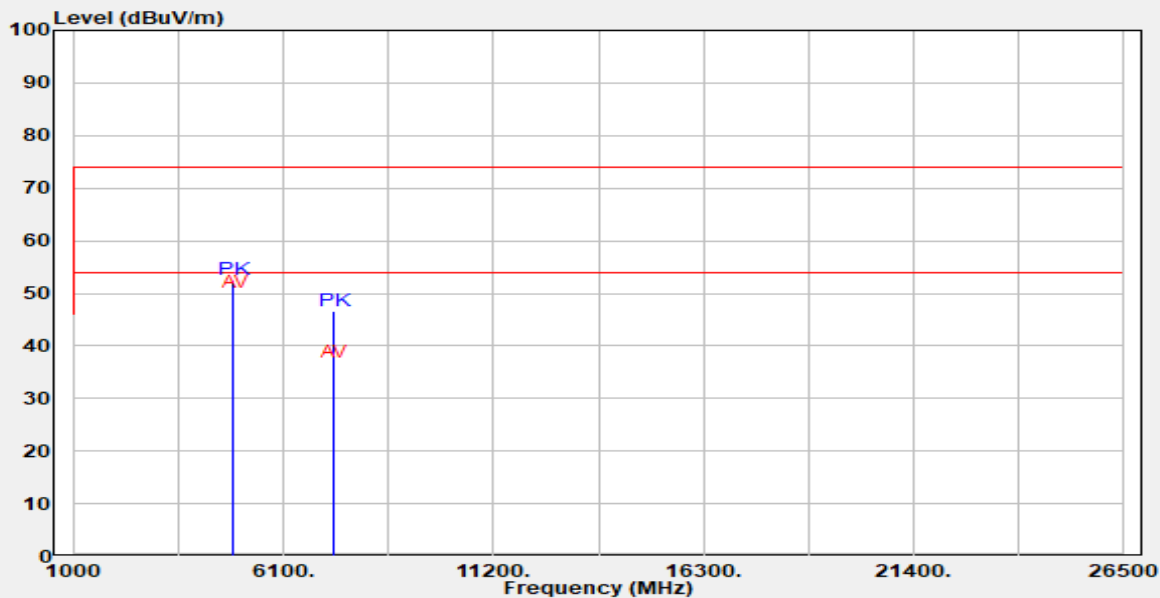
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	50.70	1.88	52.58	74.00	-21.42
4874.00	Average	48.31	1.88	50.19	54.00	-3.81
7311.00	Peak	39.51	6.99	46.50	74.00	-27.50
7311.00	Average	29.87	6.99	36.86	54.00	-17.14

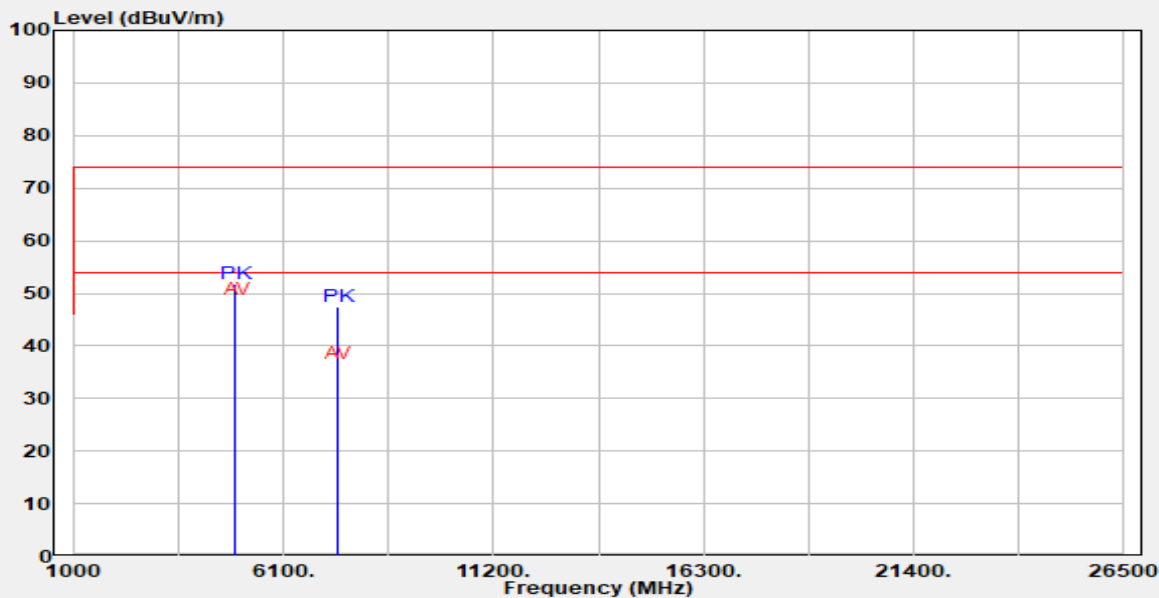
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Peak	49.61	2.12	51.73	74.00	-22.27
4924.00	Average	46.69	2.12	48.81	54.00	-5.19
7386.00	Peak	40.23	7.11	47.34	74.00	-26.66
7386.00	Average	29.58	7.11	36.69	54.00	-17.31

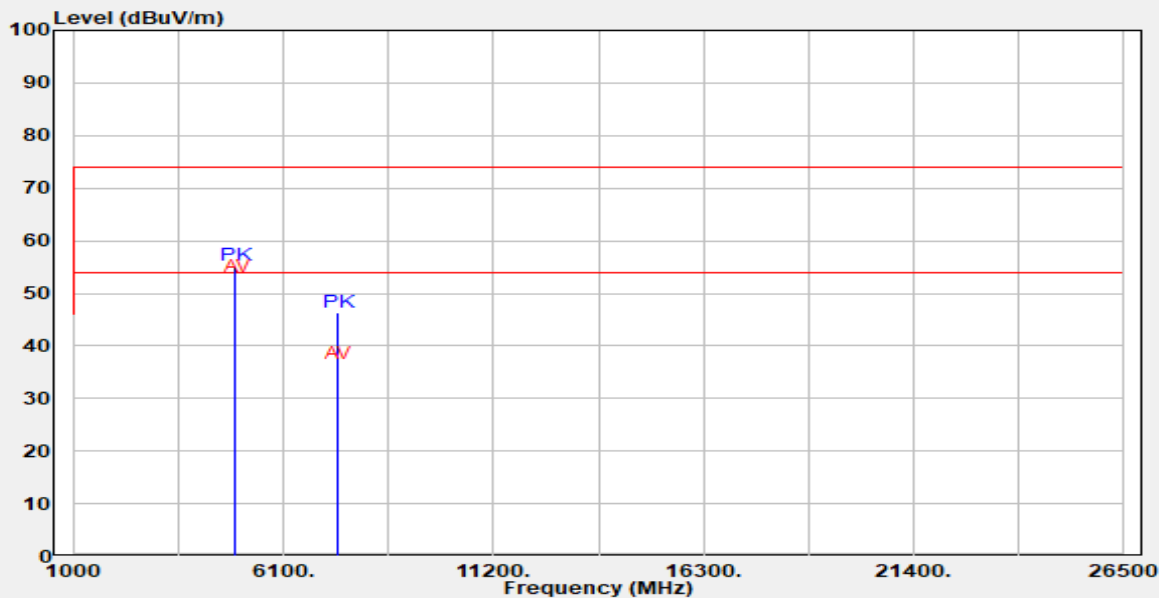
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Report Number :TERF2410003002ER  
Operation Mode :802.11b  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	Peak	53.21	2.12	55.33	74.00	-18.67
4924.00	Average	50.91	2.12	53.03	54.00	-0.97
7386.00	Peak	39.19	7.11	46.30	74.00	-27.70
7386.00	Average	29.48	7.11	36.59	54.00	-17.41

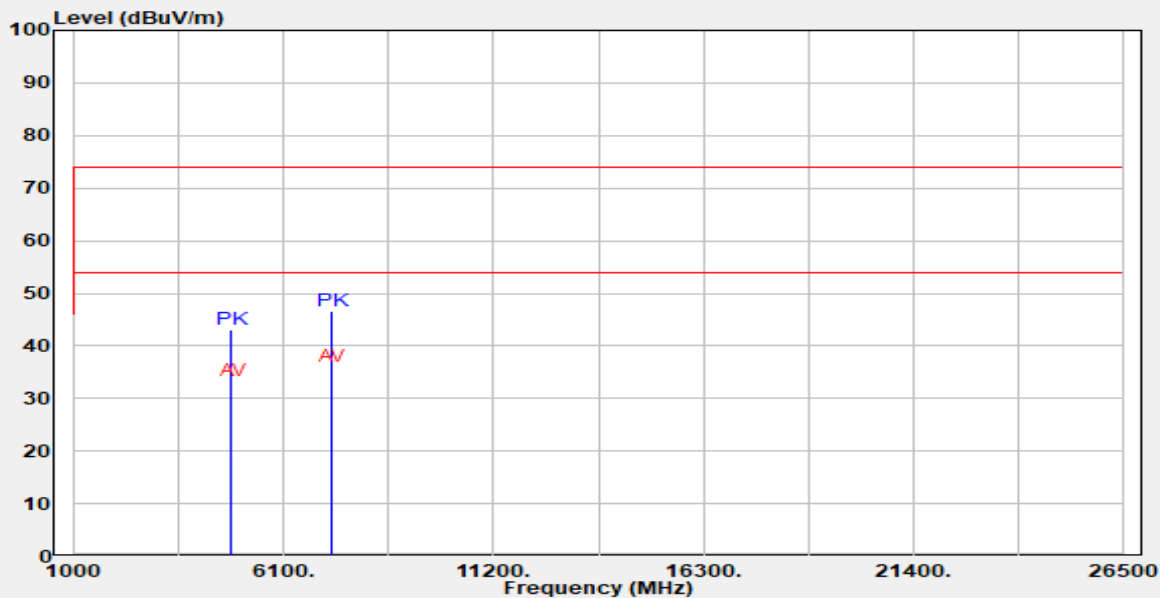
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	41.48	1.63	43.11	74.00	-30.89
4824.00	Average	31.78	1.63	33.41	54.00	-20.59
7236.00	Peak	39.68	6.92	46.60	74.00	-27.40
7236.00	Average	29.13	6.92	36.05	54.00	-17.95

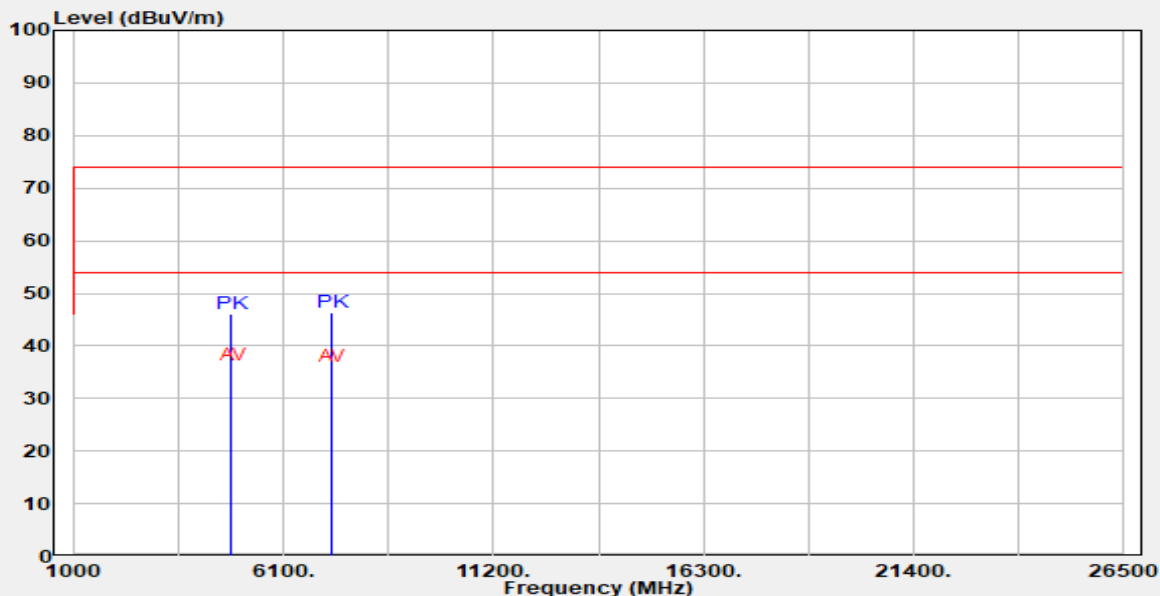
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	Peak	44.57	1.63	46.20	74.00	-27.80
4824.00	Average	34.81	1.63	36.44	54.00	-17.56
7236.00	Peak	39.49	6.92	46.41	74.00	-27.59
7236.00	Average	29.14	6.92	36.06	54.00	-17.94

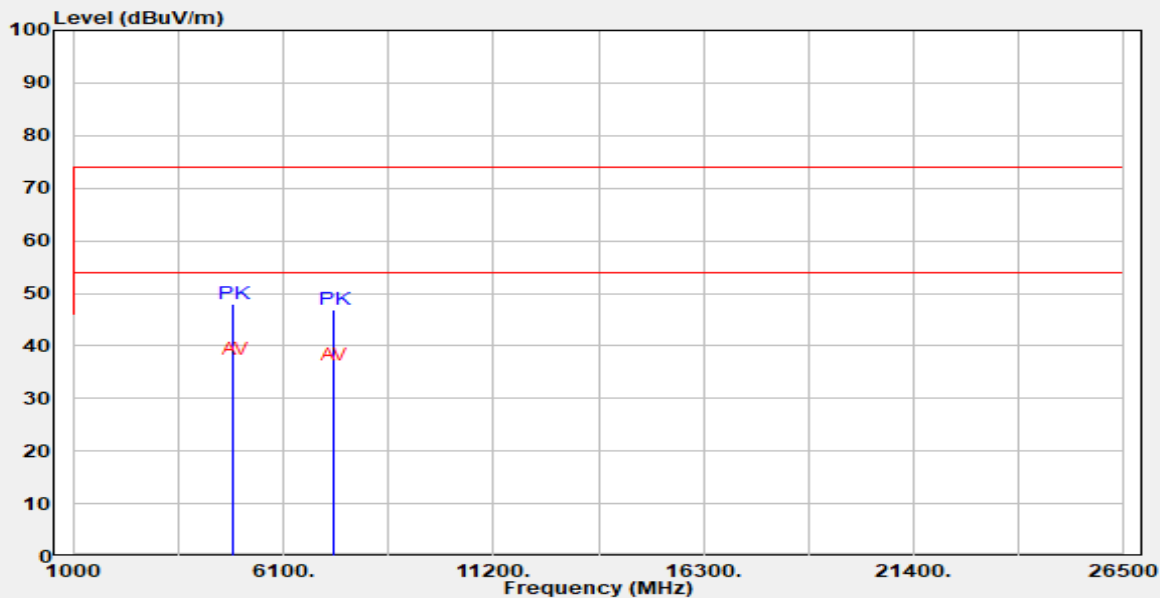
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	46.08	1.88	47.96	74.00	-26.04
4874.00	Average	35.51	1.88	37.39	54.00	-16.61
7311.00	Peak	39.79	6.99	46.78	74.00	-27.22
7311.00	Average	29.31	6.99	36.30	54.00	-17.70

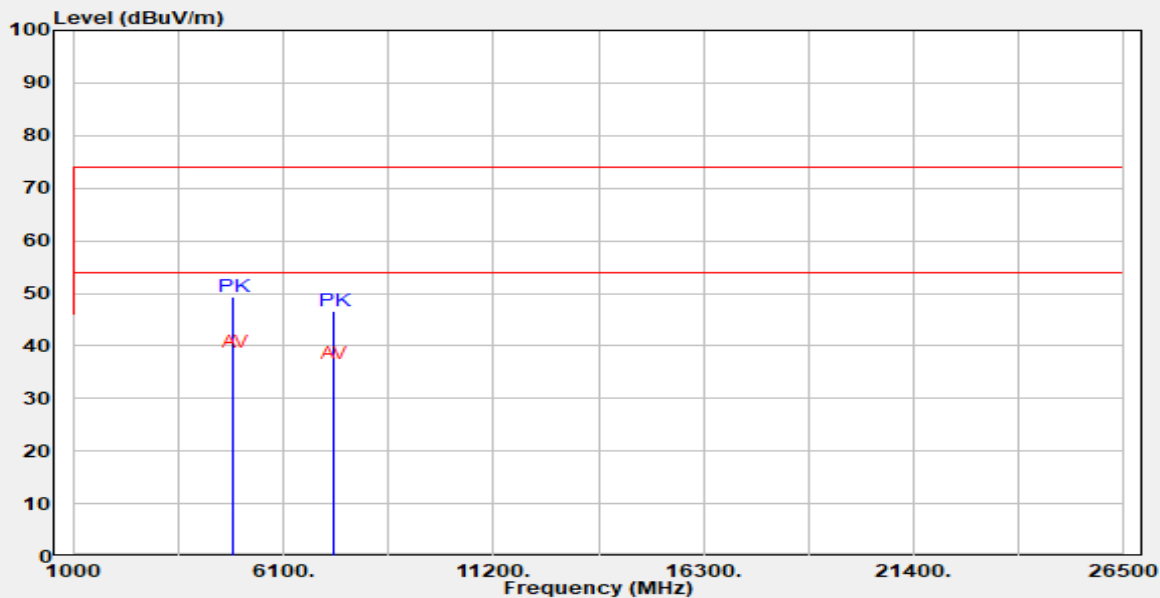
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	47.36	1.88	49.24	74.00	-24.76
4874.00	Average	36.82	1.88	38.70	54.00	-15.30
7311.00	Peak	39.66	6.99	46.65	74.00	-27.35
7311.00	Average	29.53	6.99	36.52	54.00	-17.48

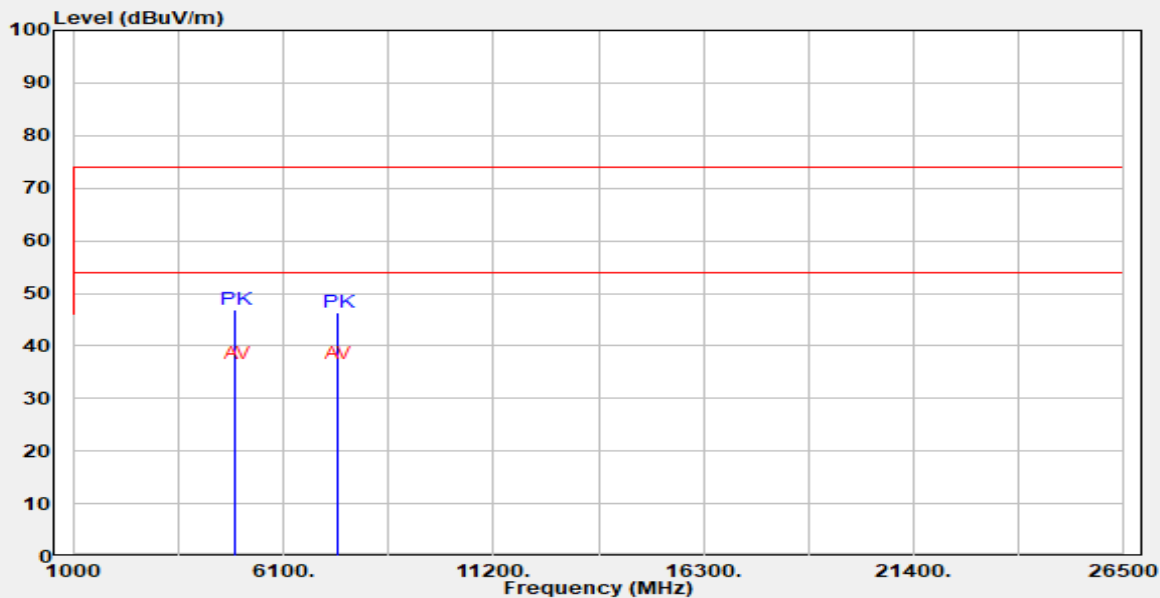
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Peak	44.81	2.12	46.93	74.00	-27.07
4924.00	Average	34.55	2.12	36.67	54.00	-17.33
7386.00	Peak	39.21	7.11	46.32	74.00	-27.68
7386.00	Average	29.39	7.11	36.50	54.00	-17.50

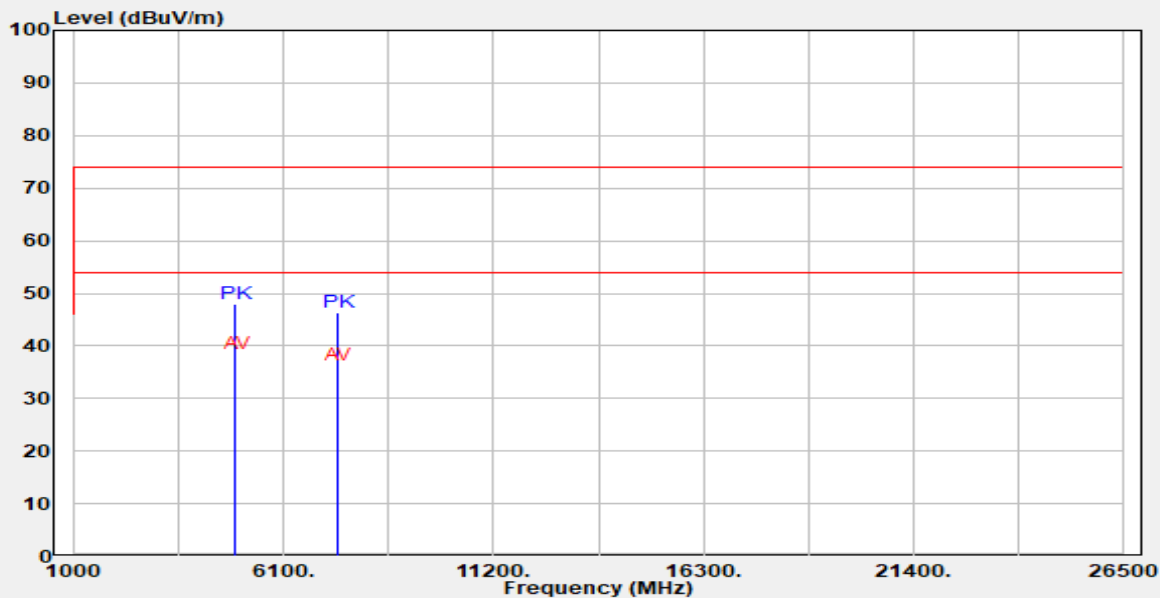
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Report Number :TERF2410003002ER  
Operation Mode :802.11g  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Peak	45.95	2.12	48.07	74.00	-25.93
4924.00	Average	36.25	2.12	38.37	54.00	-15.63
7386.00	Peak	39.26	7.11	46.37	74.00	-27.63
7386.00	Average	29.14	7.11	36.25	54.00	-17.75

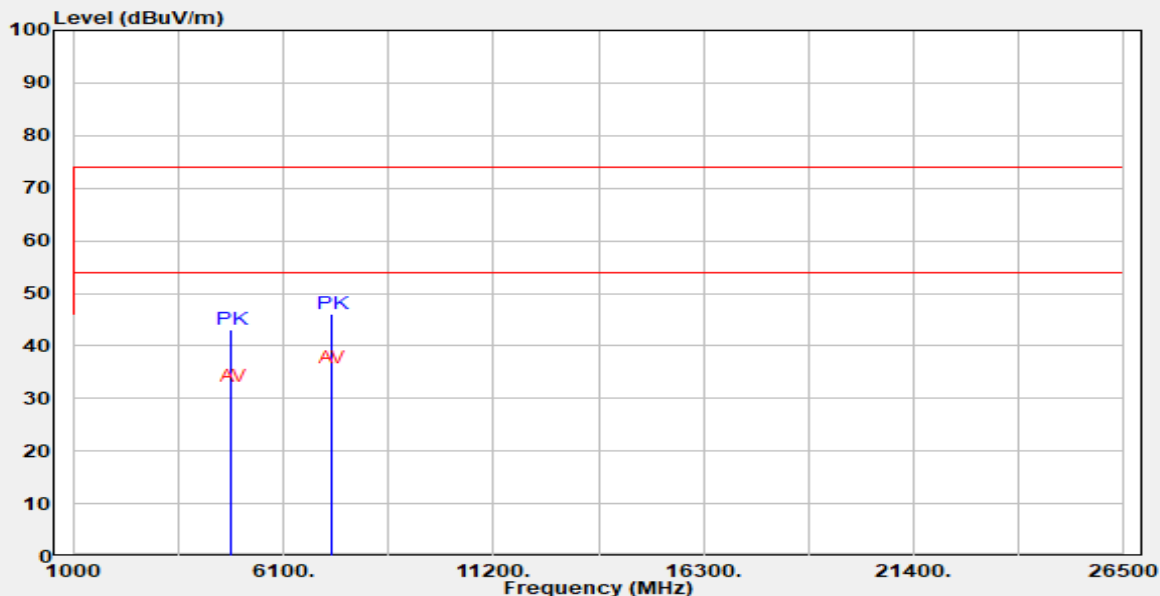
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	41.59	1.63	43.22	74.00	-30.78
4824.00	Average	30.62	1.63	32.25	54.00	-21.75
7236.00	Peak	39.02	6.92	45.94	74.00	-28.06
7236.00	Average	28.86	6.92	35.78	54.00	-18.22

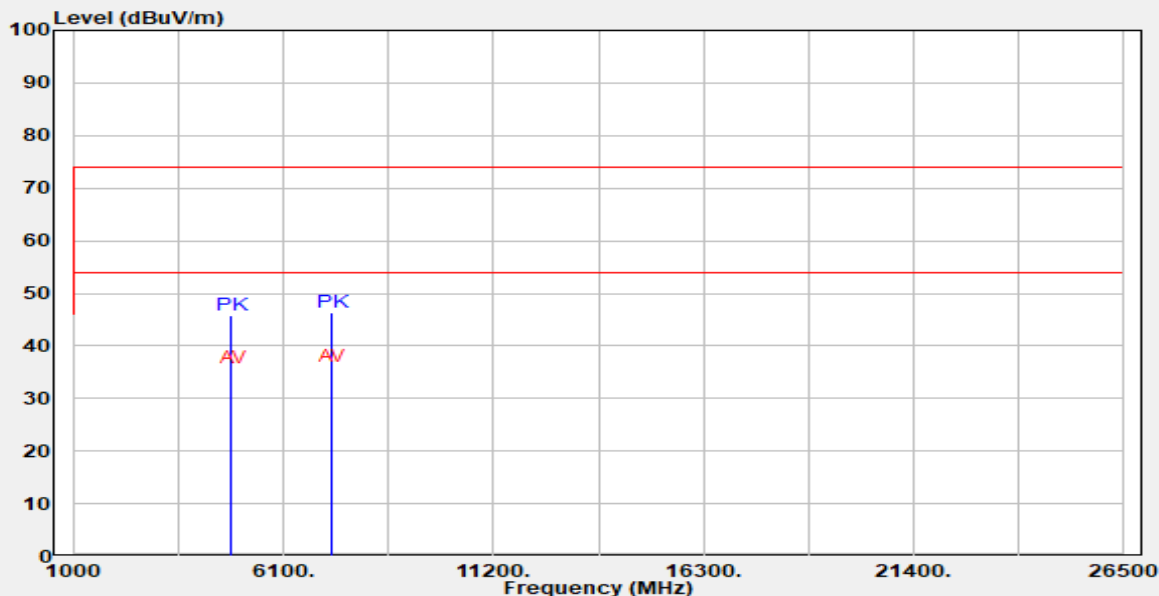
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	44.21	1.63	45.84	74.00	-28.16
4824.00	Average	34.22	1.63	35.85	54.00	-18.15
7236.00	Peak	39.48	6.92	46.40	74.00	-27.60
7236.00	Average	29.03	6.92	35.95	54.00	-18.05

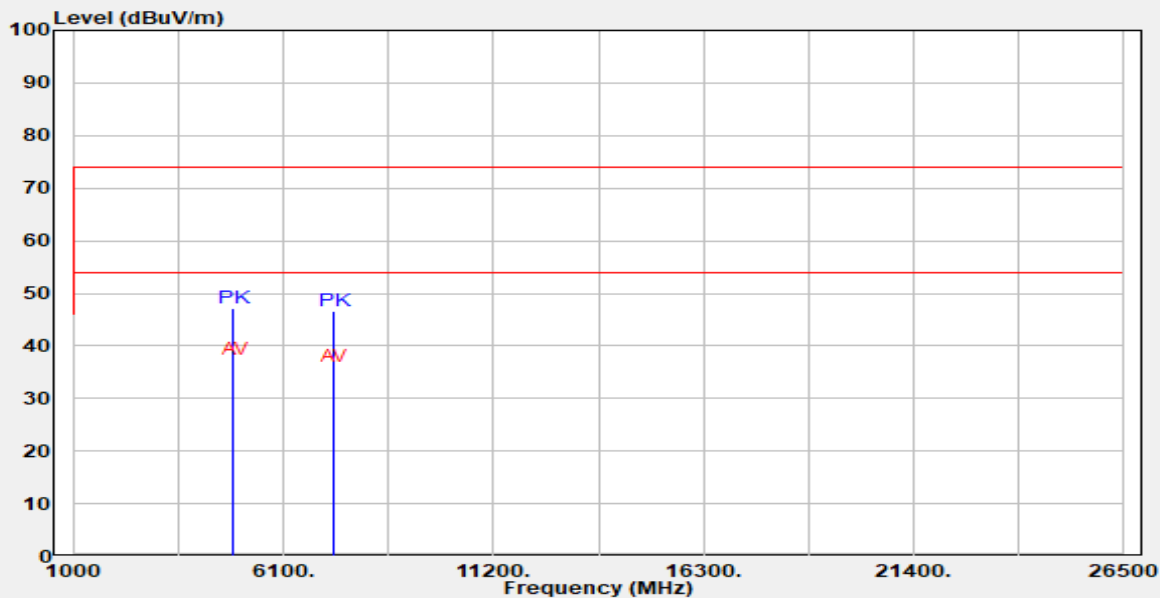
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	45.27	1.88	47.15	74.00	-26.85
4874.00	Average	35.49	1.88	37.37	54.00	-16.63
7311.00	Peak	39.53	6.99	46.52	74.00	-27.48
7311.00	Average	29.18	6.99	36.17	54.00	-17.83

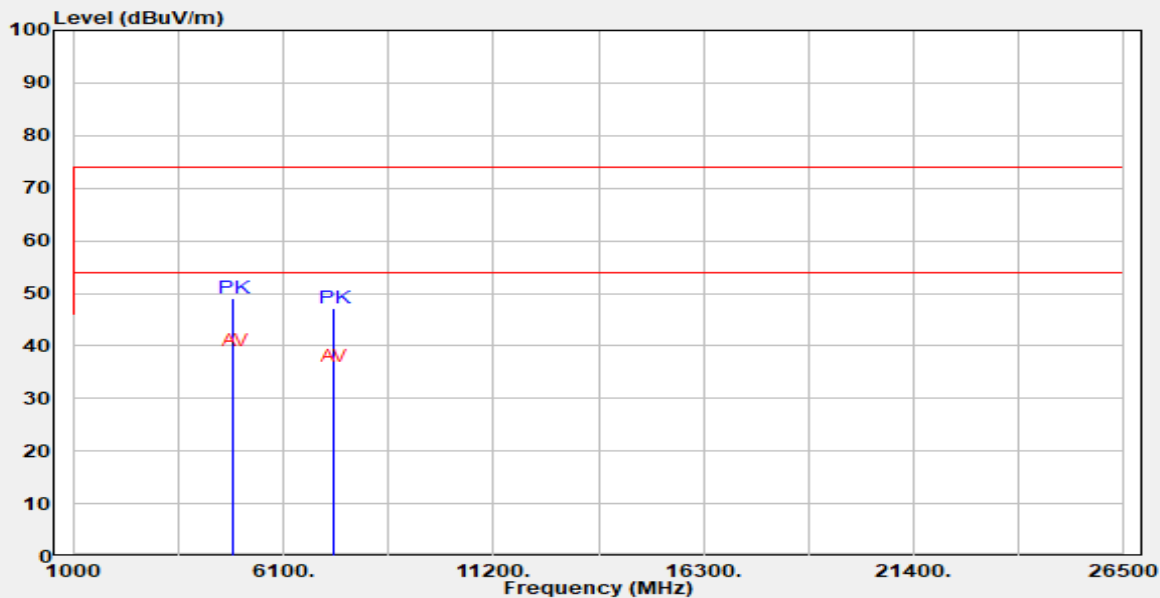
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	47.30	1.88	49.18	74.00	-24.82
4874.00	Average	37.22	1.88	39.10	54.00	-14.90
7311.00	Peak	40.26	6.99	47.25	74.00	-26.75
7311.00	Average	29.01	6.99	36.00	54.00	-18.00

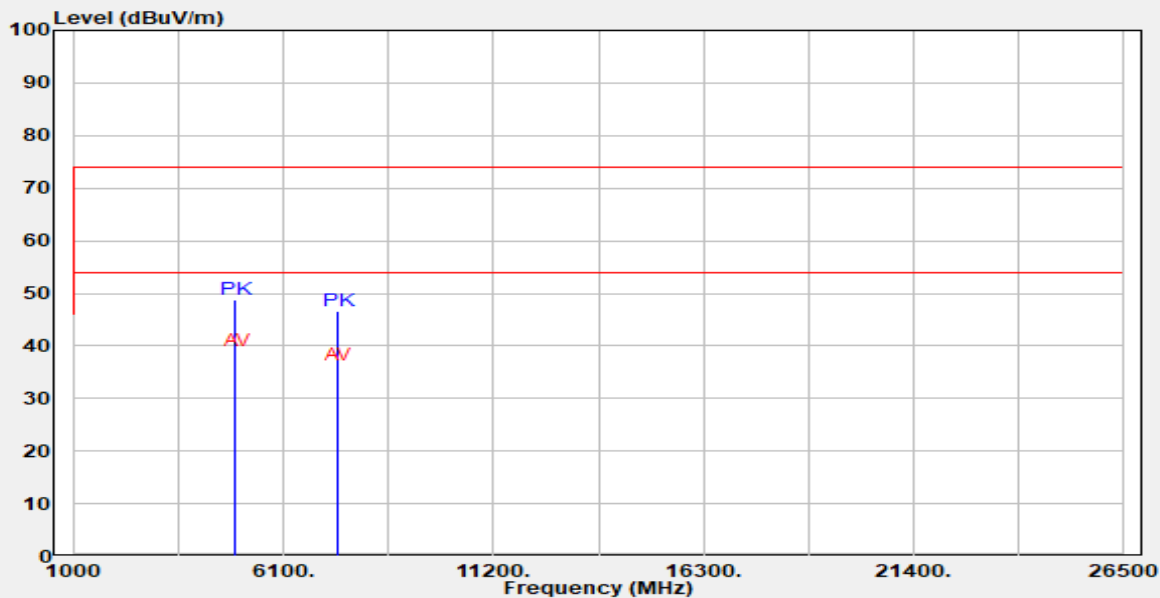
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Peak	46.79	2.12	48.91	74.00	-25.09
4924.00	Average	36.84	2.12	38.96	54.00	-15.04
7386.00	Peak	39.47	7.11	46.58	74.00	-27.42
7386.00	Average	29.20	7.11	36.31	54.00	-17.69

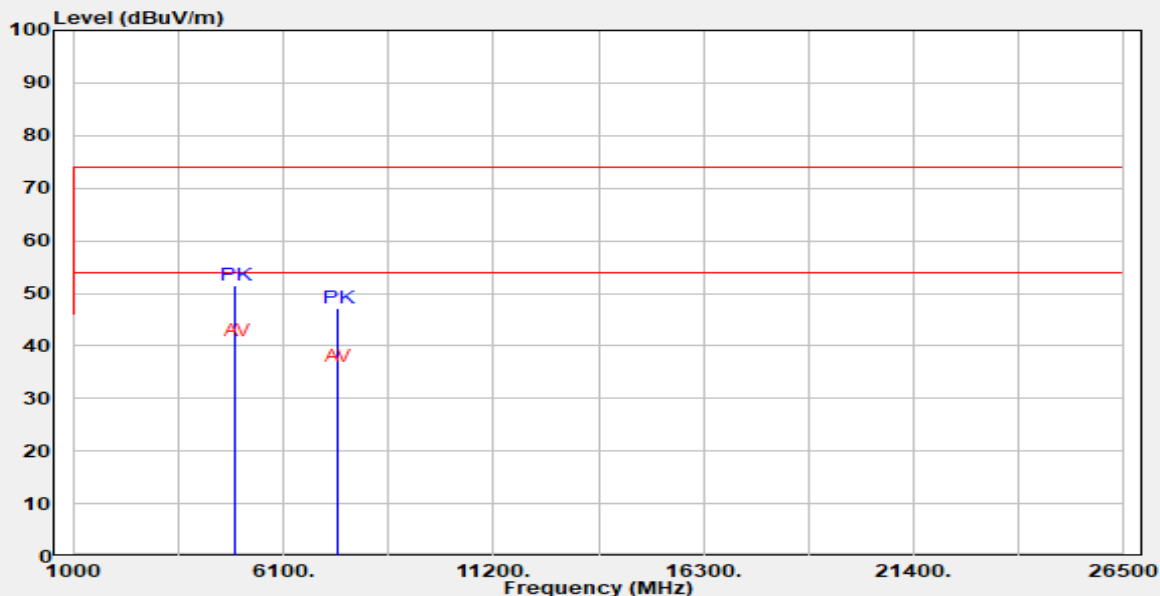
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Report Number :TERF2410003002ER  
Operation Mode :802.11n20  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	Peak	49.27	2.12	51.39	74.00	-22.61
4924.00	Average	38.77	2.12	40.89	54.00	-13.11
7386.00	Peak	40.09	7.11	47.20	74.00	-26.80
7386.00	Average	29.02	7.11	36.13	54.00	-17.87

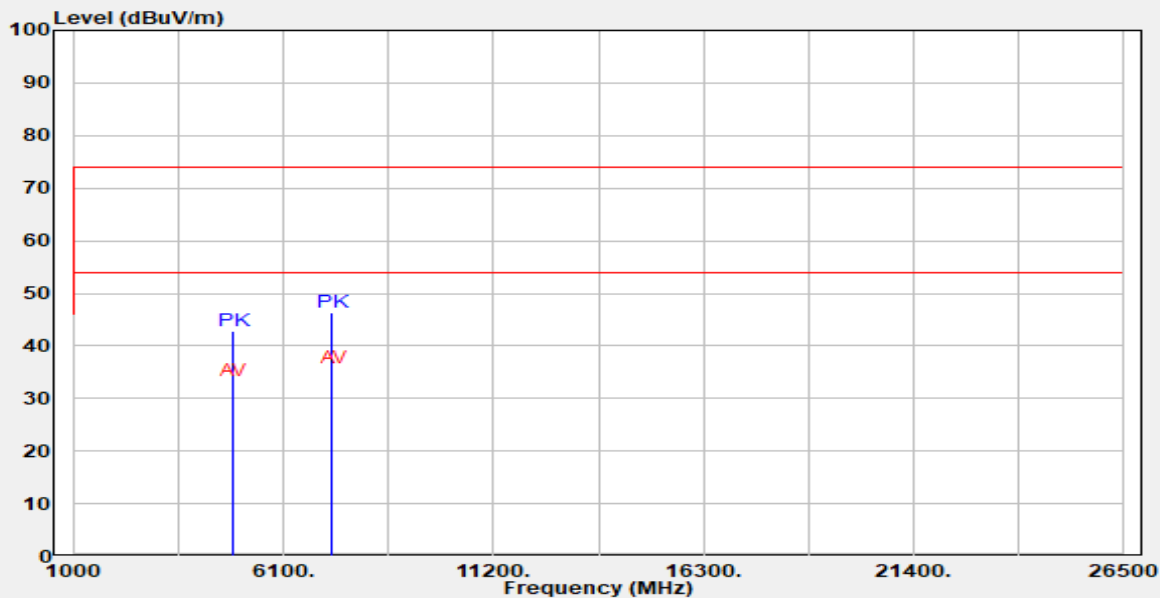
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2422 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Peak	41.15	1.78	42.93	74.00	-31.07
4844.00	Average	31.44	1.78	33.22	54.00	-20.78
7266.00	Peak	39.49	6.93	46.42	74.00	-27.58
7266.00	Average	28.95	6.93	35.88	54.00	-18.12

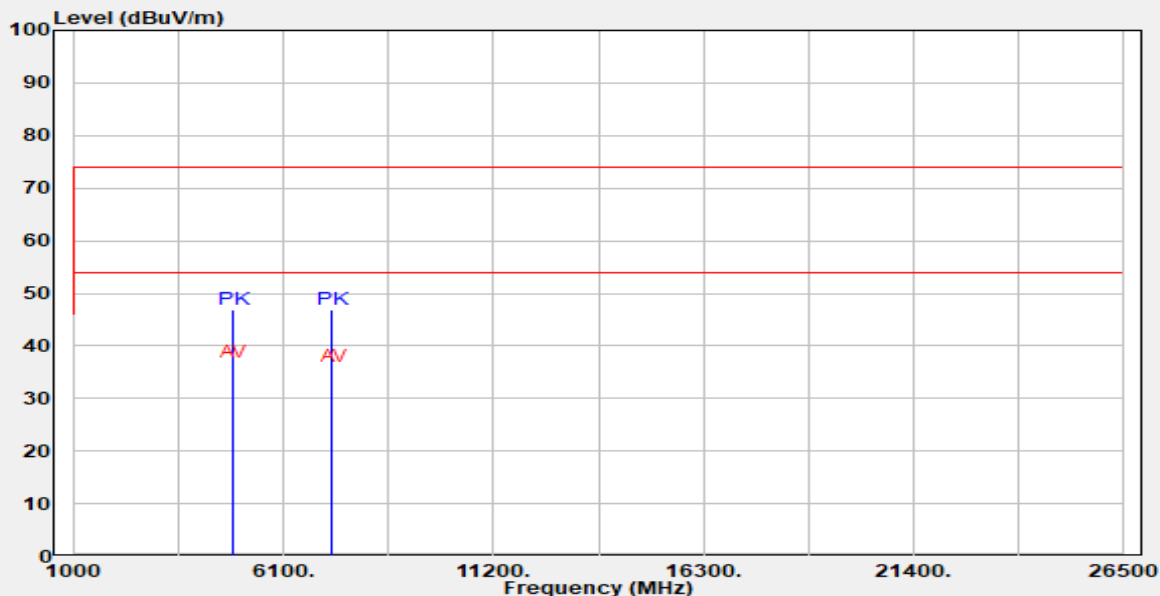
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2422 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4844.00	Peak	45.08	1.78	46.86	74.00	-27.14
4844.00	Average	35.17	1.78	36.95	54.00	-17.05
7266.00	Peak	39.96	6.93	46.89	74.00	-27.11
7266.00	Average	29.16	6.93	36.09	54.00	-17.91

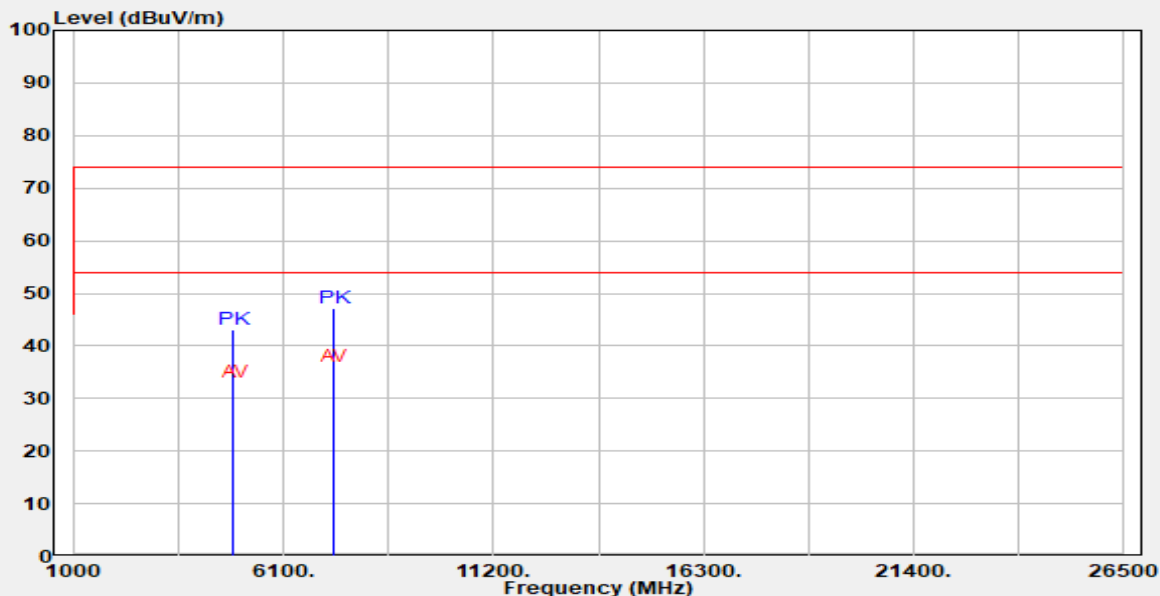
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	41.27	1.88	43.15	74.00	-30.85
4874.00	Average	31.15	1.88	33.03	54.00	-20.97
7311.00	Peak	40.15	6.99	47.14	74.00	-26.86
7311.00	Average	29.15	6.99	36.14	54.00	-17.86

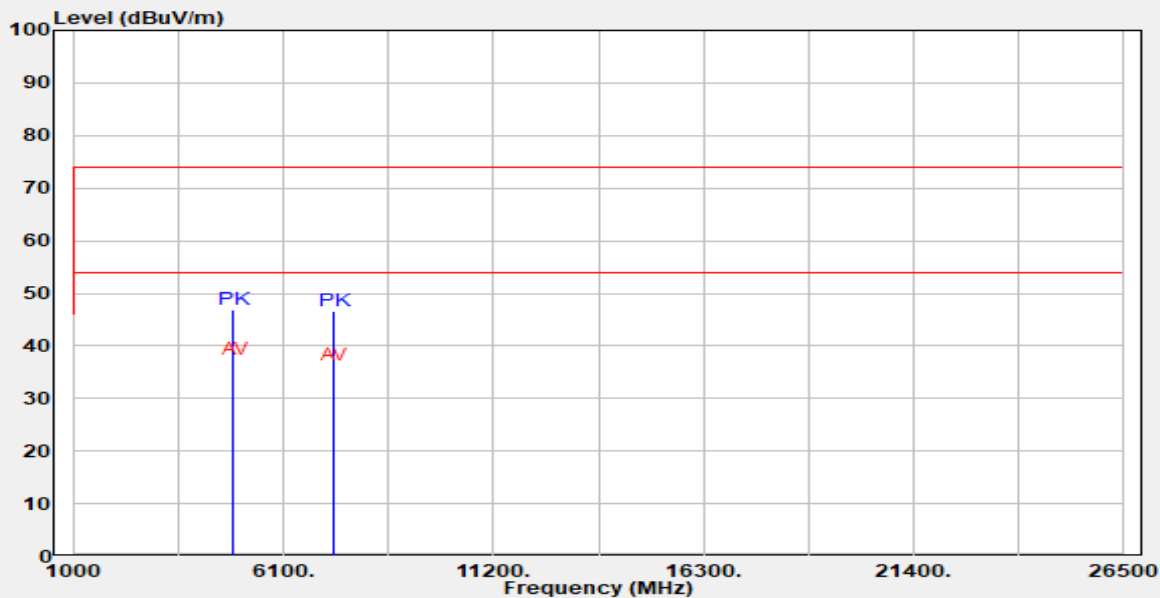
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	45.08	1.88	46.96	74.00	-27.04
4874.00	Average	35.64	1.88	37.52	54.00	-16.48
7311.00	Peak	39.73	6.99	46.72	74.00	-27.28
7311.00	Average	29.35	6.99	36.34	54.00	-17.66

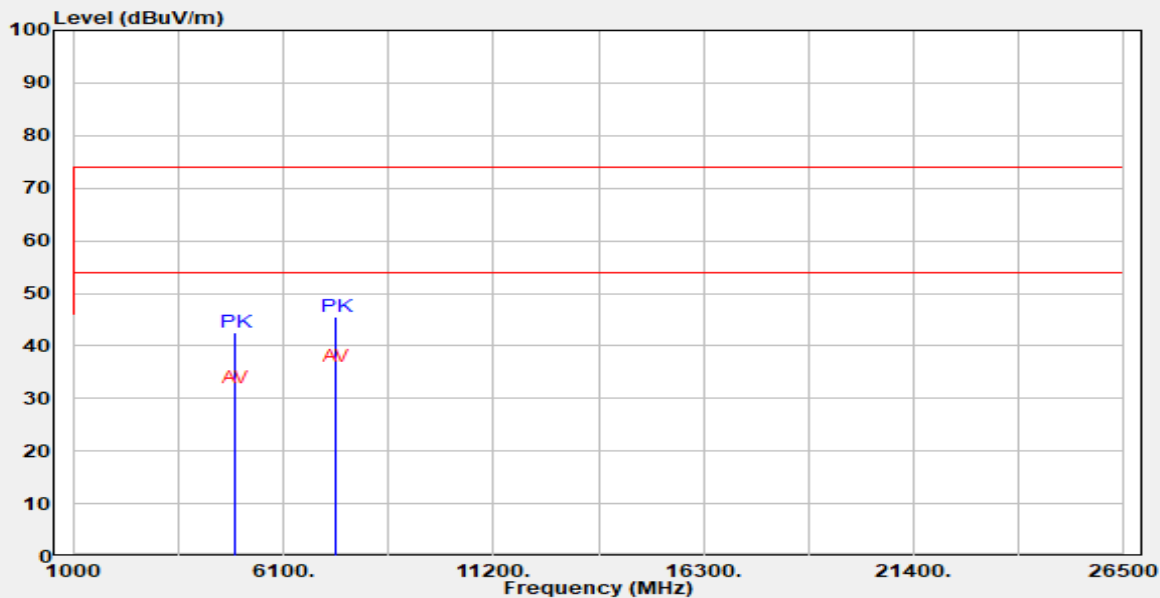
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2452 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Peak	40.43	1.99	42.42	74.00	-31.58
4904.00	Average	30.08	1.99	32.07	54.00	-21.93
7356.00	Peak	38.51	7.07	45.58	74.00	-28.42
7356.00	Average	28.98	7.07	36.05	54.00	-17.95

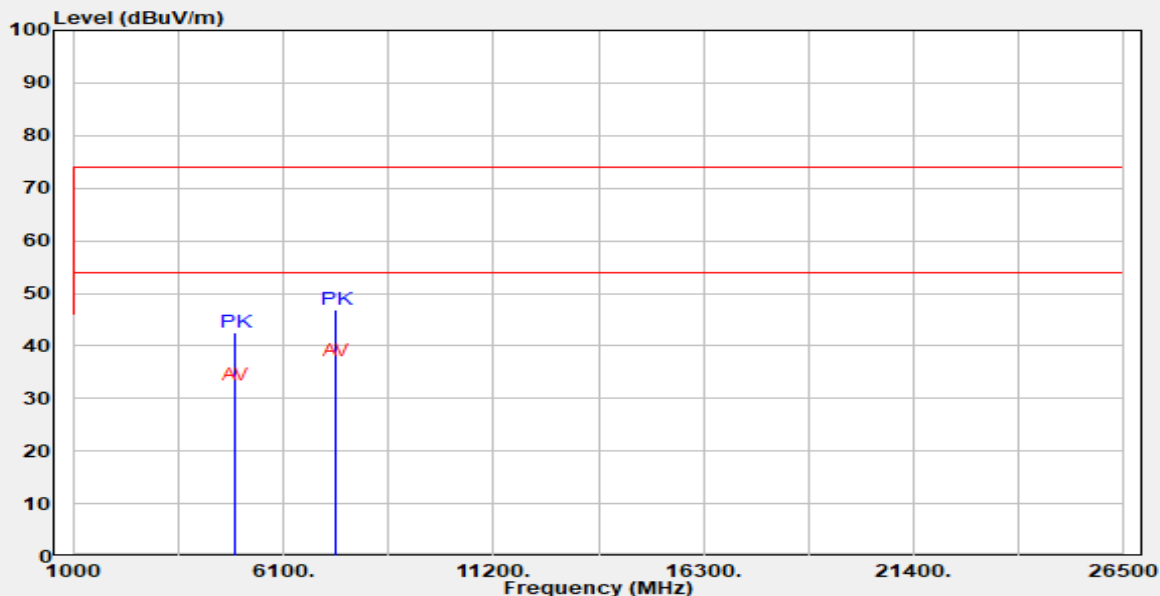
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Report Number :TERF2410003002ER  
Operation Mode :802.11n40  
Test Frequency :2452 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-24  
Temp./Humi. :25.7°C/56%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4904.00	Peak	40.62	1.99	42.61	74.00	-31.39
4904.00	Average	30.63	1.99	32.62	54.00	-21.38
7356.00	Peak	39.85	7.07	46.92	74.00	-27.08
7356.00	Average	30.18	7.07	37.25	54.00	-16.75

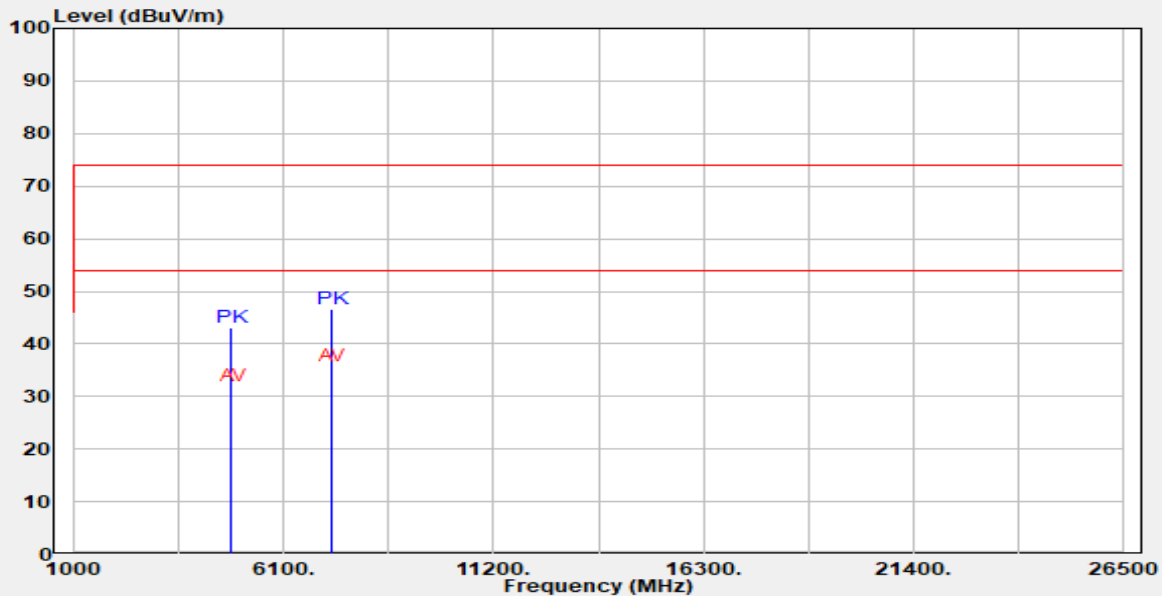
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	41.58	1.63	43.21	74.00	-30.79
4824.00	Average	30.24	1.63	31.87	54.00	-22.13
7236.00	Peak	39.82	6.92	46.74	74.00	-27.26
7236.00	Average	28.86	6.92	35.78	54.00	-18.22

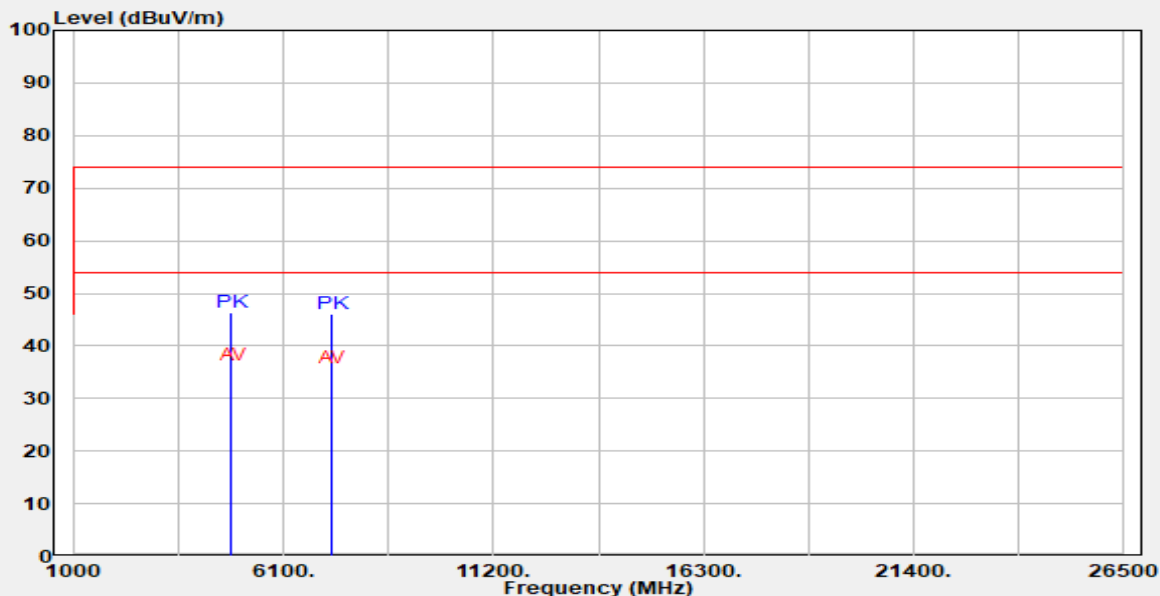
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2412 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
Mode		Reading Level		FS	@3m	
MHz	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	Peak	44.84	1.63	46.47	74.00	-27.53
4824.00	Average	34.61	1.63	36.24	54.00	-17.76
7236.00	Peak	39.06	6.92	45.98	74.00	-28.02
7236.00	Average	28.94	6.92	35.86	54.00	-18.14

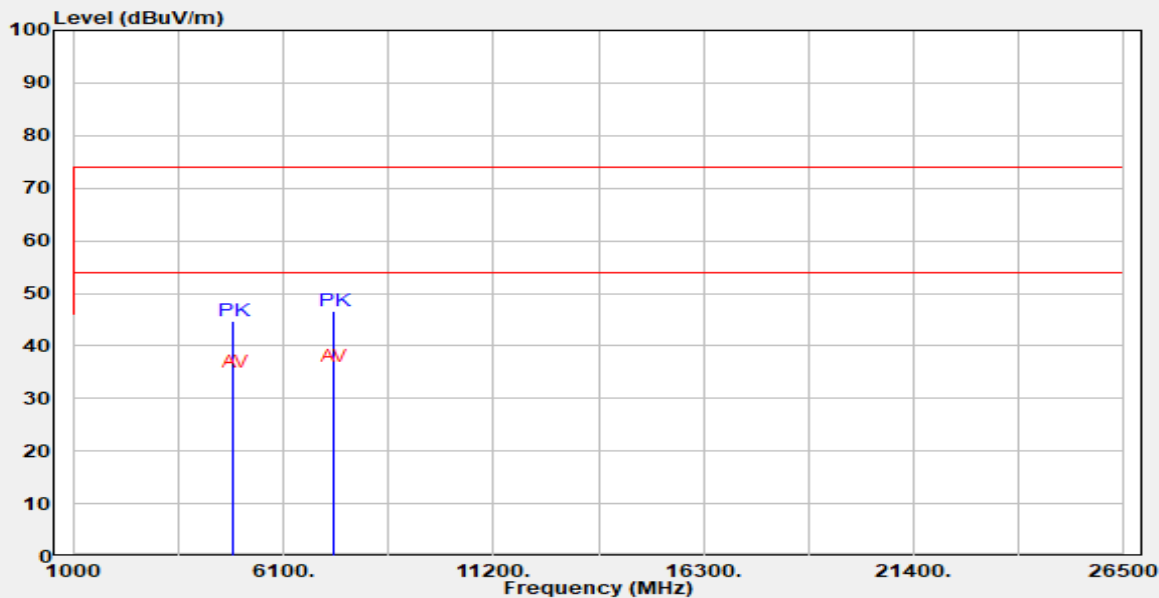
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Peak	42.90	1.88	44.78	74.00	-29.22
4874.00	Average	32.96	1.88	34.84	54.00	-19.16
7311.00	Peak	39.61	6.99	46.60	74.00	-27.40
7311.00	Average	29.03	6.99	36.02	54.00	-17.98

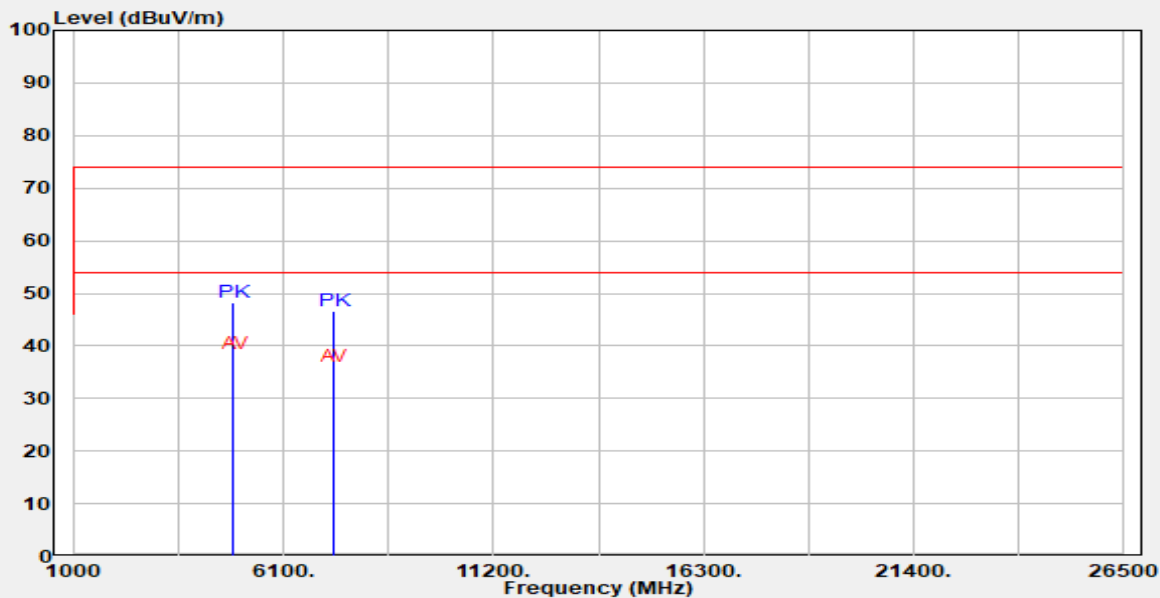
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	Peak	46.47	1.88	48.35	74.00	-25.65
4874.00	Average	36.57	1.88	38.45	54.00	-15.55
7311.00	Peak	39.66	6.99	46.65	74.00	-27.35
7311.00	Average	29.05	6.99	36.04	54.00	-17.96

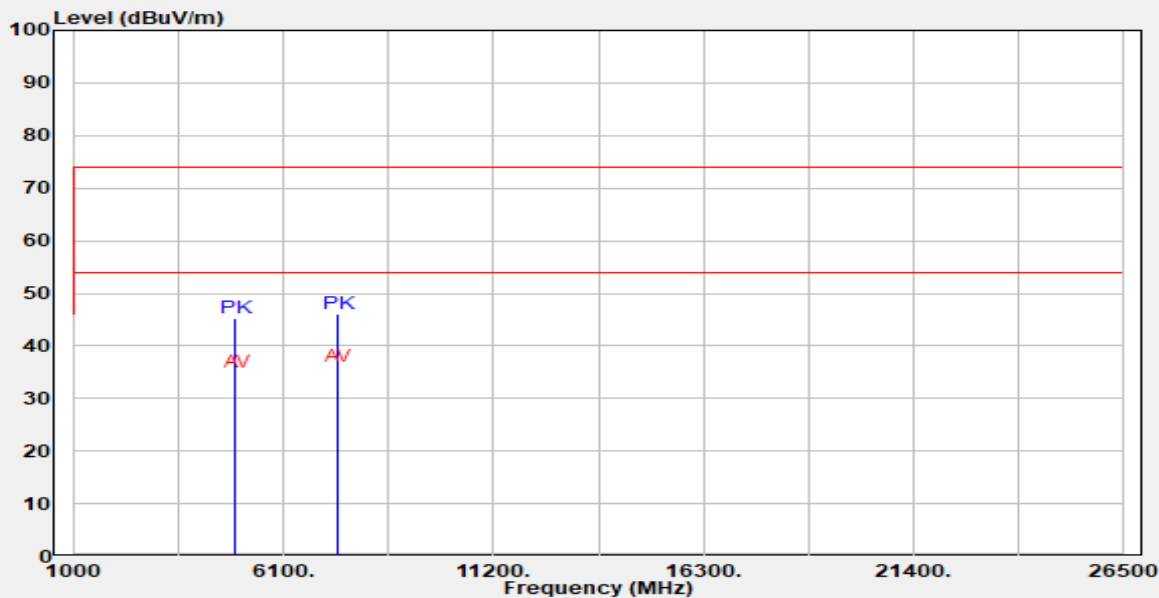
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	Peak	43.26	2.12	45.38	74.00	-28.62
4924.00	Average	32.96	2.12	35.08	54.00	-18.92
7386.00	Peak	38.89	7.11	46.00	74.00	-28.00
7386.00	Average	29.02	7.11	36.13	54.00	-17.87

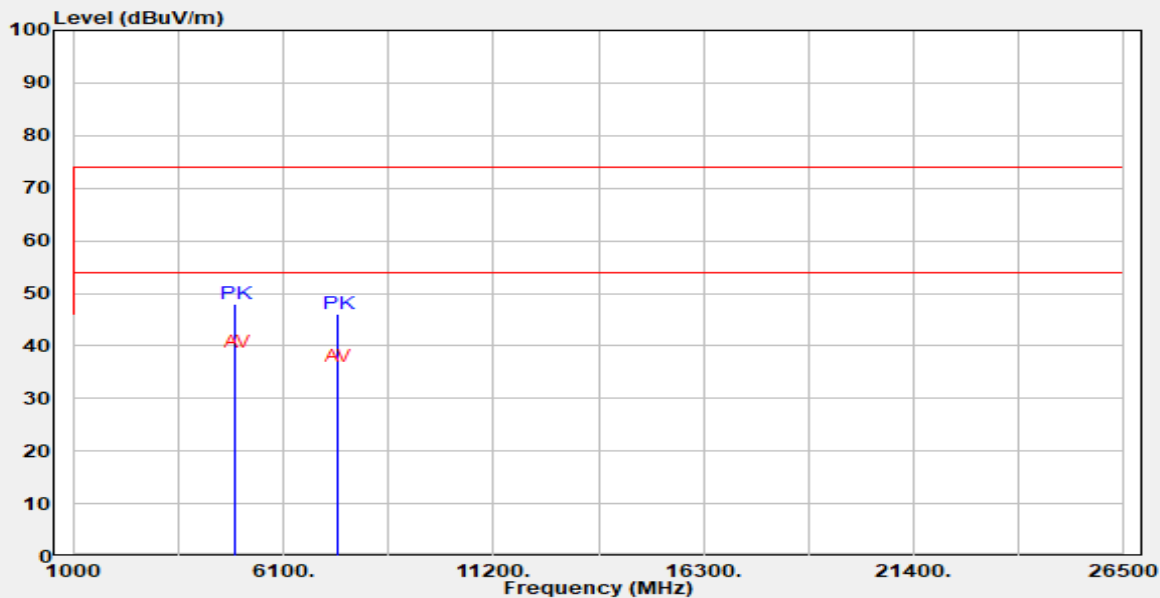
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax20 RU Full  
Test Frequency :2462 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	Peak	45.81	2.12	47.93	74.00	-26.07
4924.00	Average	36.56	2.12	38.68	54.00	-15.32
7386.00	Peak	39.02	7.11	46.13	74.00	-27.87
7386.00	Average	28.86	7.11	35.97	54.00	-18.03

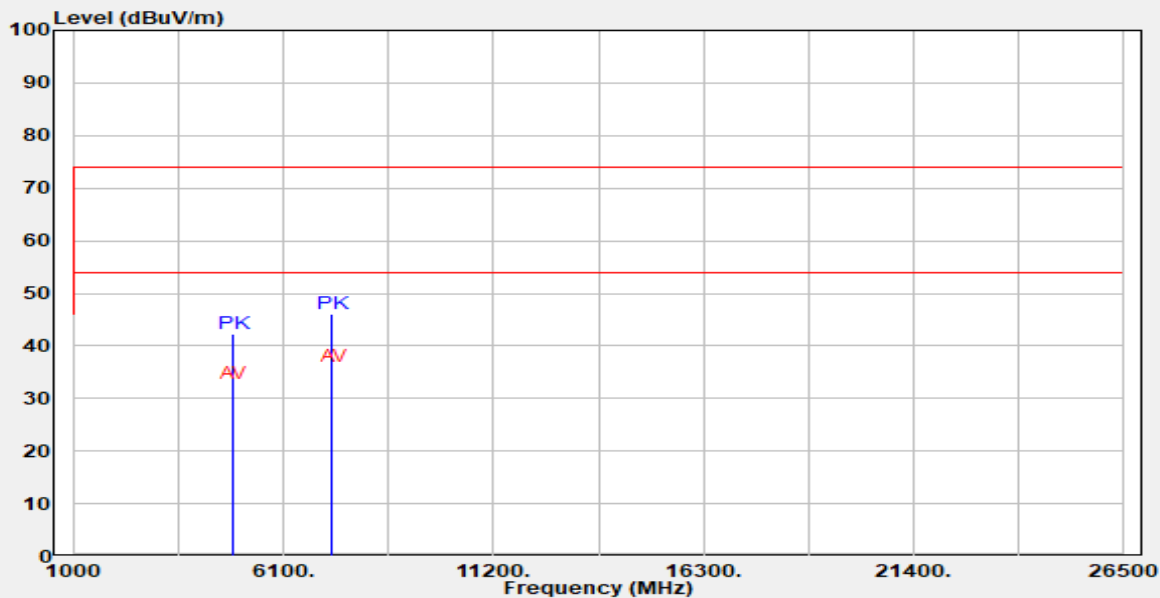
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2422 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Peak	40.50	1.78	42.28	74.00	-31.72
4844.00	Average	30.94	1.78	32.72	54.00	-21.28
7266.00	Peak	39.07	6.93	46.00	74.00	-28.00
7266.00	Average	29.02	6.93	35.95	54.00	-18.05

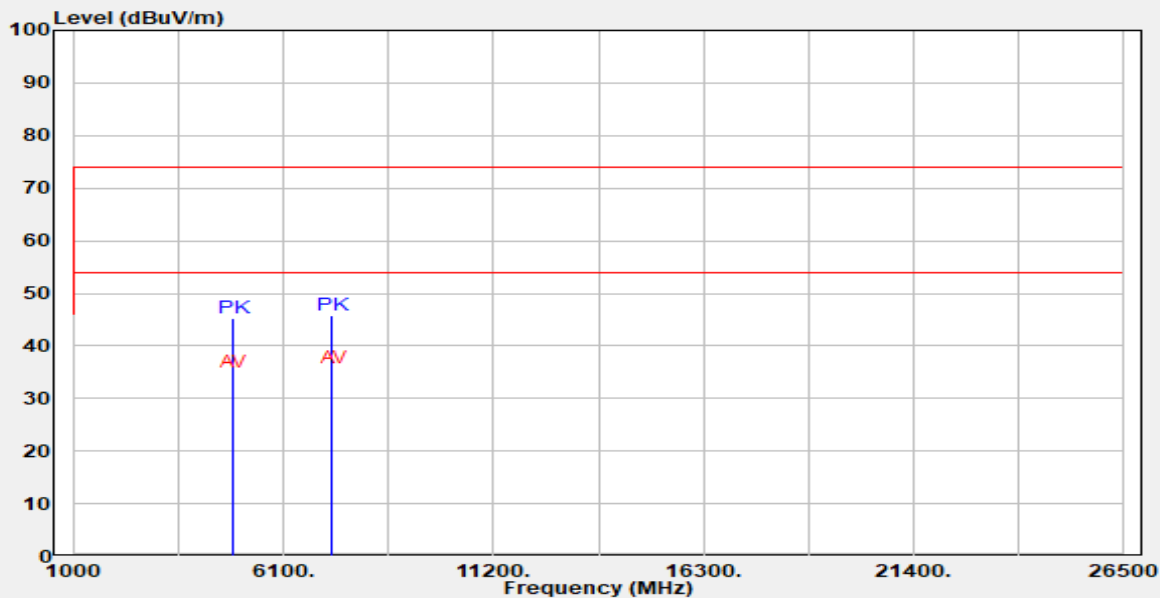
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2422 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4844.00	Peak	43.41	1.78	45.19	74.00	-28.81
4844.00	Average	33.24	1.78	35.02	54.00	-18.98
7266.00	Peak	38.94	6.93	45.87	74.00	-28.13
7266.00	Average	28.96	6.93	35.89	54.00	-18.11

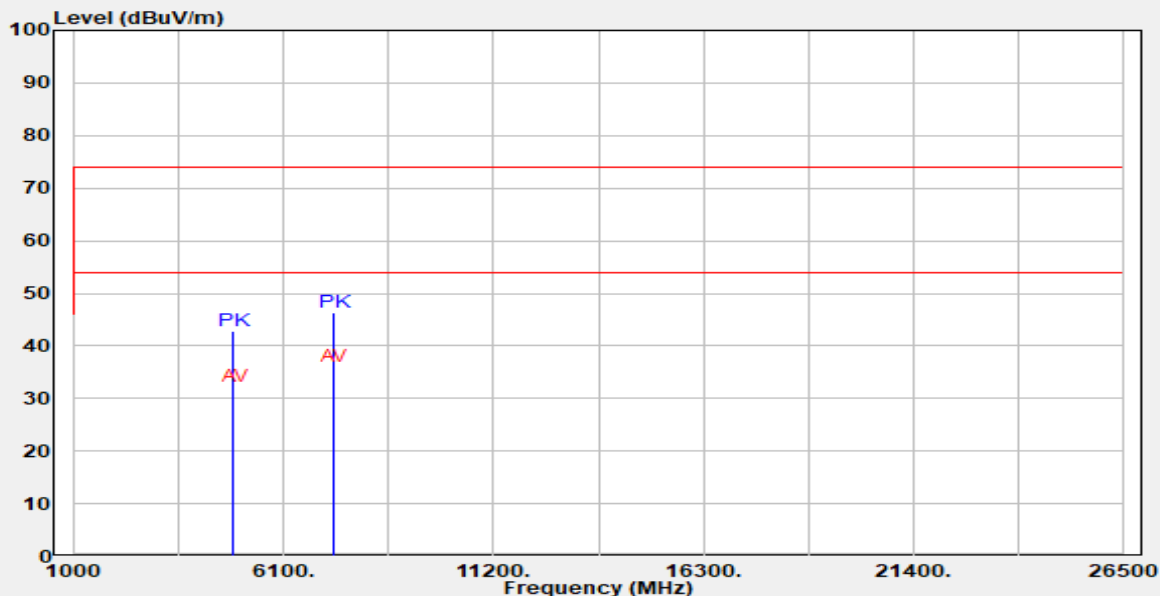
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4874.00	Peak	40.95	1.88	42.83	74.00	-31.17
4874.00	Average	30.28	1.88	32.16	54.00	-21.84
7311.00	Peak	39.25	6.99	46.24	74.00	-27.76
7311.00	Average	29.18	6.99	36.17	54.00	-17.83

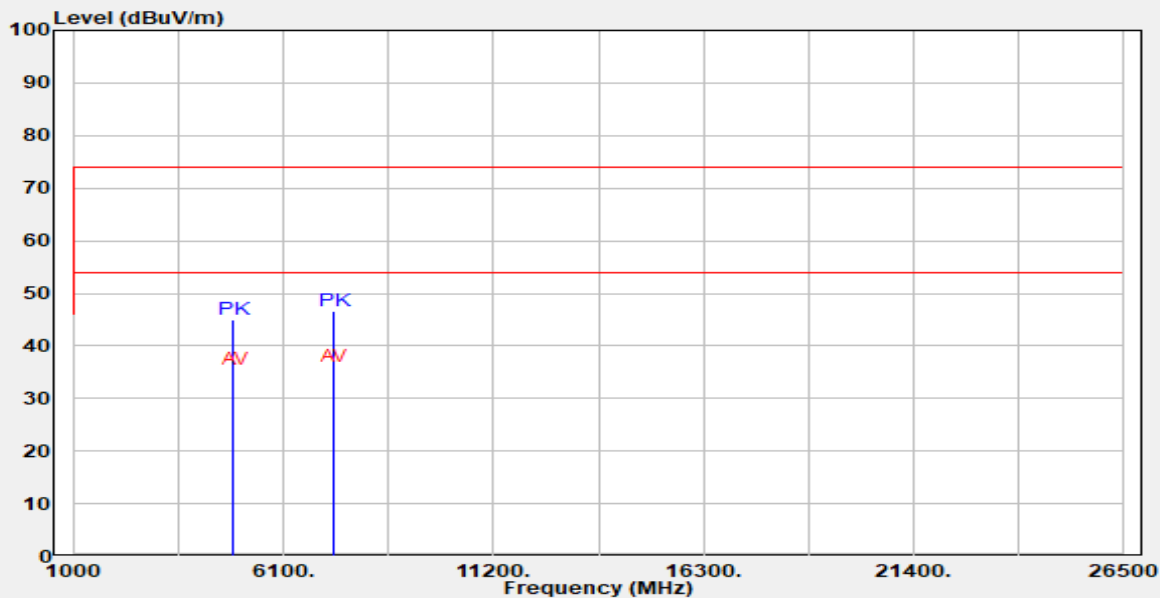
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2437 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	Peak	43.18	1.88	45.06	74.00	-28.94
4874.00	Average	33.73	1.88	35.61	54.00	-18.39
7311.00	Peak	39.65	6.99	46.64	74.00	-27.36
7311.00	Average	28.96	6.99	35.95	54.00	-18.05

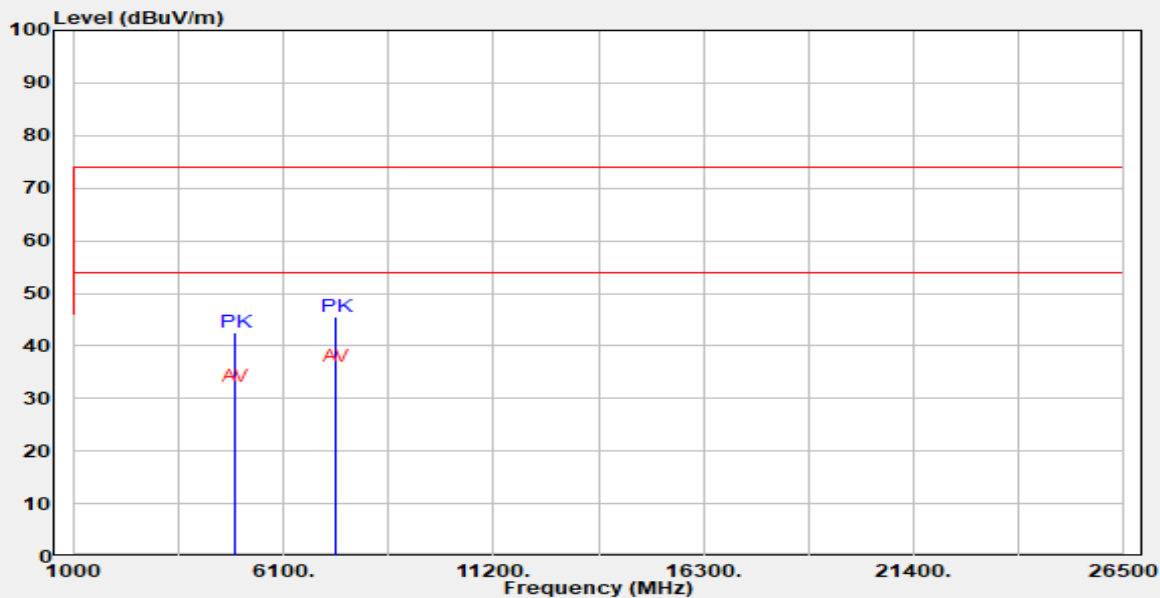
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2452 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Vertical  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4904.00	Peak	40.46	1.99	42.45	74.00	-31.55
4904.00	Average	30.23	1.99	32.22	54.00	-21.78
7356.00	Peak	38.52	7.07	45.59	74.00	-28.41
7356.00	Average	28.98	7.07	36.05	54.00	-17.95

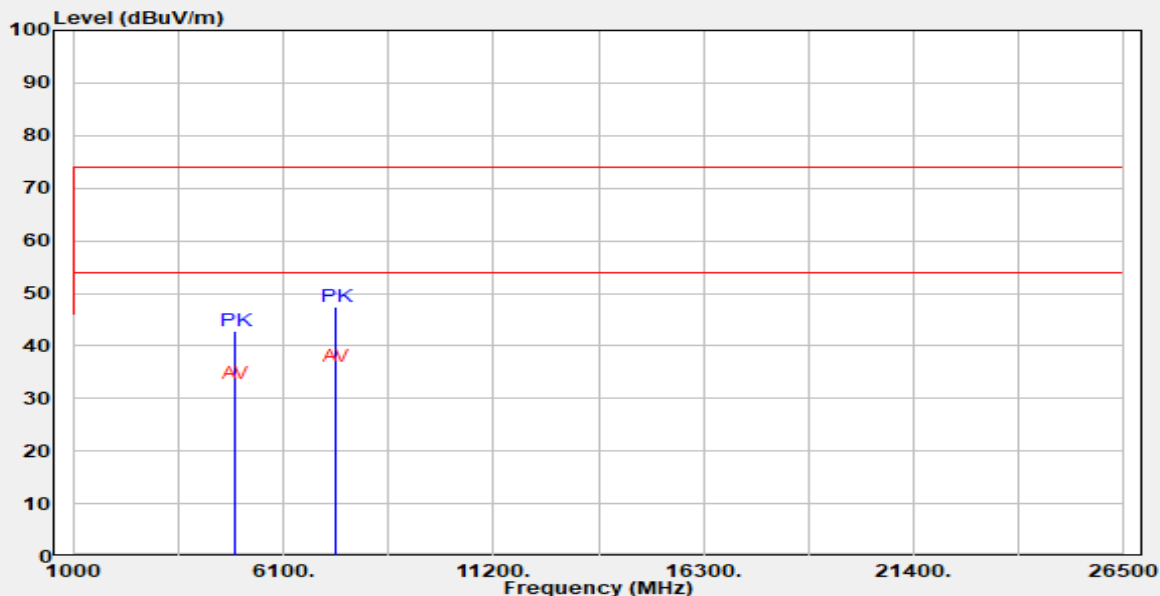
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Report Number :TERF2410003002ER  
Operation Mode :802.11ax40 RU Full  
Test Frequency :2452 MHz  
Test Mode :Tx  
EUT Pol :H Plane

Test Site :SAC 2  
Test Date :2024-10-25  
Temp./Humi. :26.5°C/55%  
Antenna Pol. :Horizontal  
Engineer :Bob Chao



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	Mode	Reading Level		FS	@3m	
	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
4904.00	Peak	40.91	1.99	42.90	74.00	-31.10
4904.00	Average	30.67	1.99	32.66	54.00	-21.34
7356.00	Peak	40.25	7.07	47.32	74.00	-26.68
7356.00	Average	28.85	7.07	35.92	54.00	-18.08

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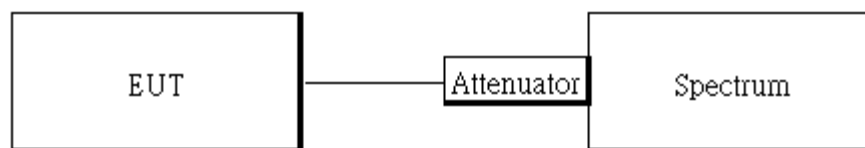
## 12 POWER SPECTRAL DENSITY

### 12.1 Standard Applicable

Per Part 15.247 (e) & RSS-247 section 5.2 b

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

### 12.2 Test Setup



### 12.3 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. Detector = peak.
6. Sweep time = auto couple.
7. Trace mode = max hold.
8. Allow trace to fully stabilize.
9. Use the peak marker function to determine the maximum amplitude level.

#### Note:

1. When the antenna gain is greater than 6 dBi, the power spectral density limit attenuated accordingly.
2. *For the test of MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported on this report after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.*

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## 12.4 As per FCC KDB 662911 D01

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k} = 1/20 \log G_k$  if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

## 12.5 Power spectral density

POWER DENSITY 802.11b					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-1.36	-1.53	1.57	6.99	PASS
2437	-0.95	1.6	3.52	6.99	PASS
2462	-0.42	-0.79	2.41	6.99	PASS

POWER DENSITY 802.11g					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-3.52	-2.48	0.04	6.99	PASS
2437	-3.53	-3.04	-0.27	6.99	PASS
2462	-6.72	-6.1	-3.39	6.99	PASS

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POWER DENSITY 802.11n HT20					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-3.96	-2.16	0.04	6.99	PASS
2437	-3.1	-3.76	-0.41	6.99	PASS
2462	-7.43	-7.22	-4.31	6.99	PASS

POWER DENSITY 802.11n HT40					
Freq. (MHz)	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	-5.89	-7.22	-3.49	6.99	PASS
2437	-7.55	-6.63	-4.06	6.99	PASS
2452	-14.15	-16.42	-12.13	6.99	PASS

POWER DENSITY 802.11ax HE20						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	full	-3.36	-5.15	-1.15	6.99	PASS
2437	full	-4.46	-3.4	-0.89	6.99	PASS
2462	full	-8.77	-8.51	-5.63	6.99	PASS

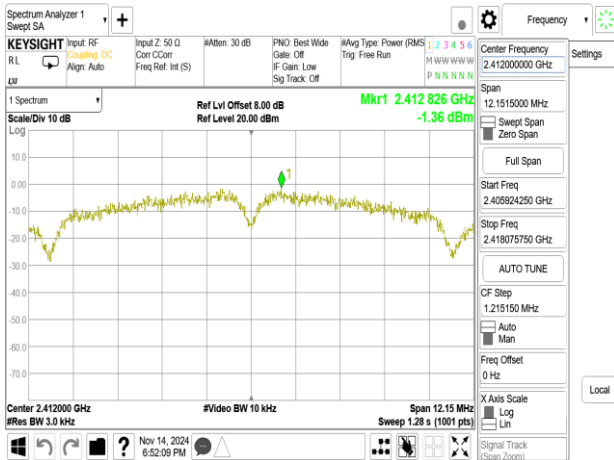
POWER DENSITY 802.11ax HE40						
Freq. (MHz)	RU Config	Ch0 PSD	Ch1 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2422	full	-6.88	-8.43	-4.58	6.99	PASS
2437	full	-9.98	-9.7	-6.83	6.99	PASS
2452	full	-15.33	-15.16	-12.23	6.99	PASS

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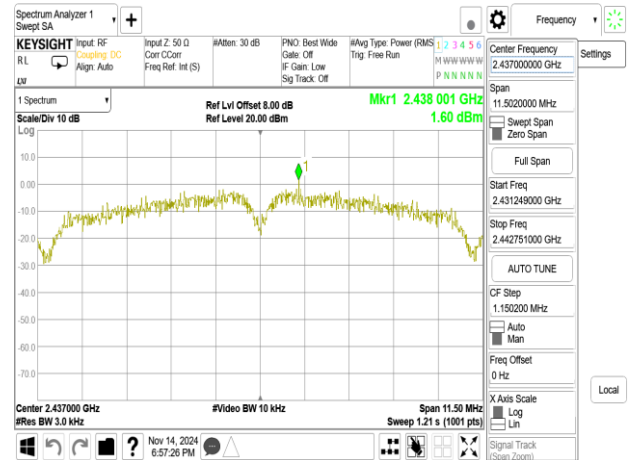
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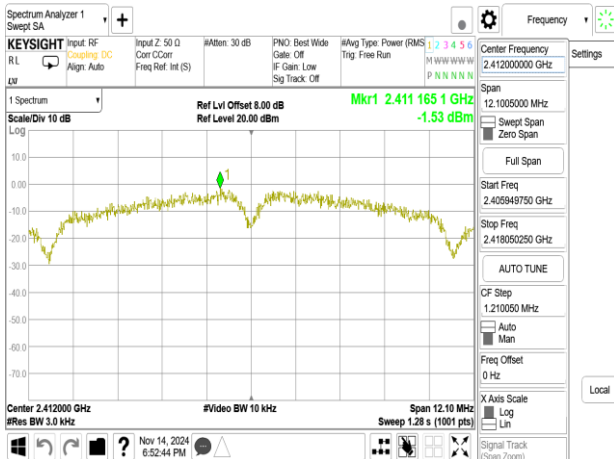
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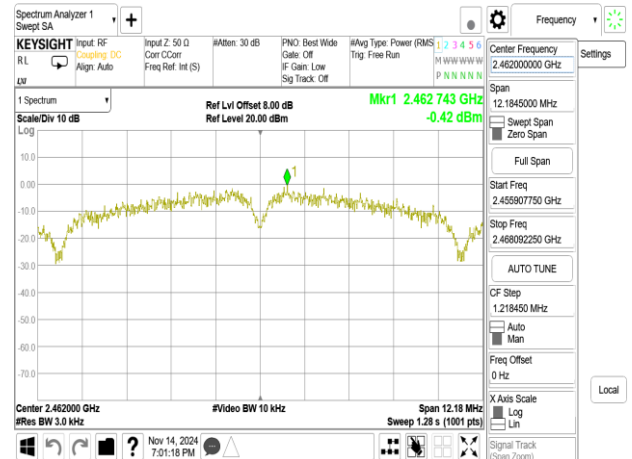
802.11b\_20MHz\_Chain1\_2437MHz



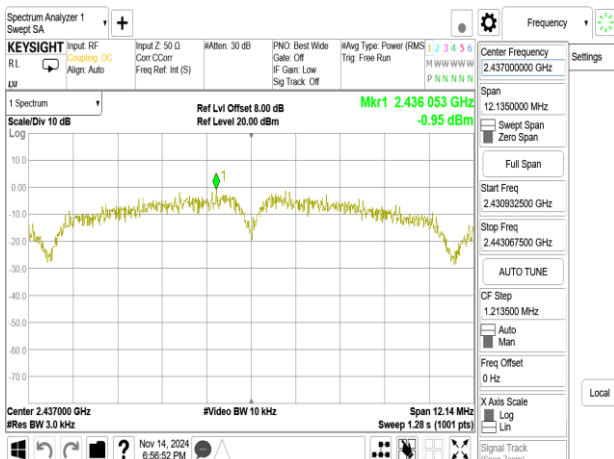
802.11b\_20MHz\_Chain1\_2412MHz



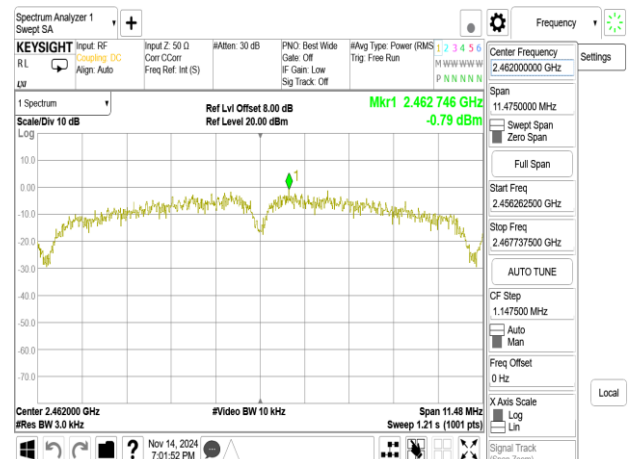
802.11b\_20MHz\_Chain0\_2462MHz



802.11b\_20MHz\_Chain0\_2437MHz



802.11b\_20MHz\_Chain1\_2462MHz

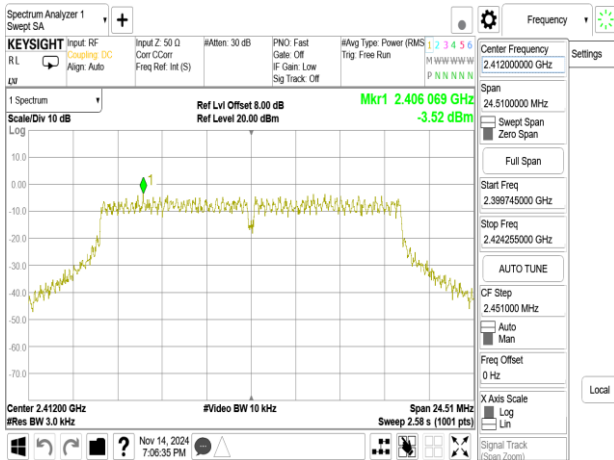


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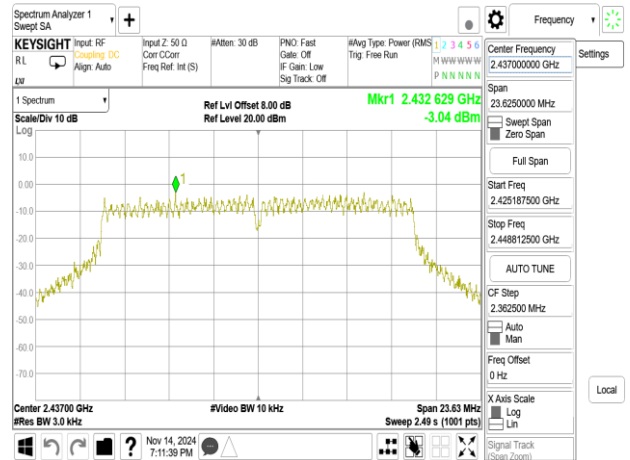
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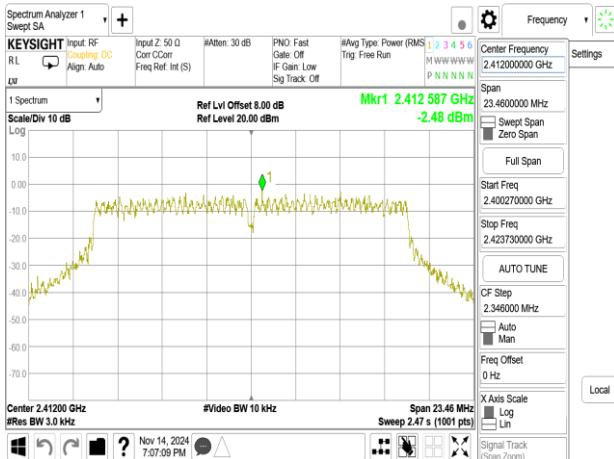
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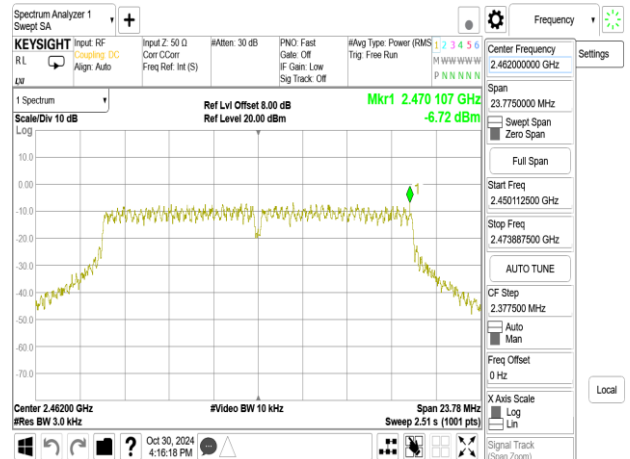
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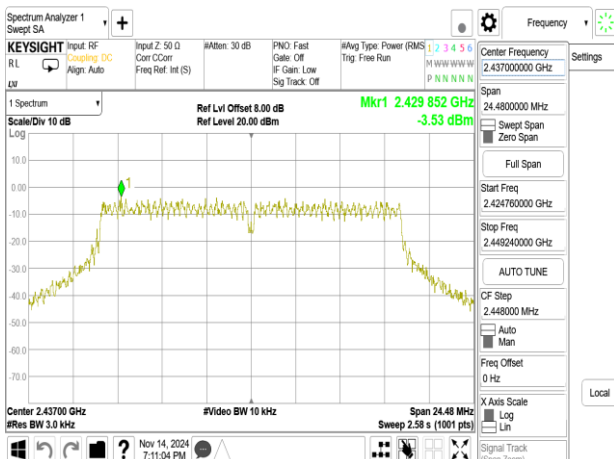
802.11g\_20MHz\_Chain1\_2412MHz



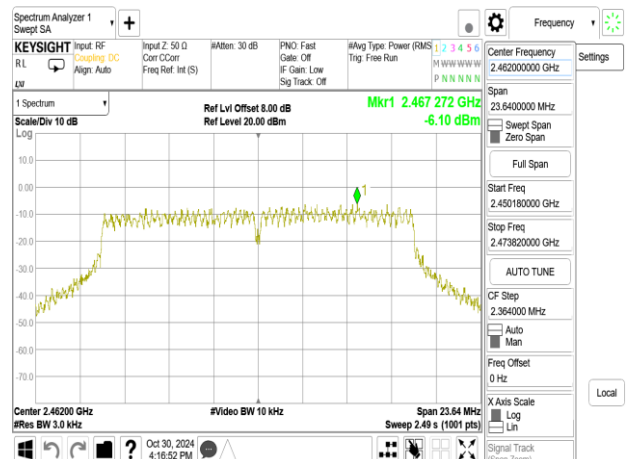
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802.11g\_20MHz\_Chain0\_2437MHz



802.11g\_20MHz\_Chain1\_2462MHz

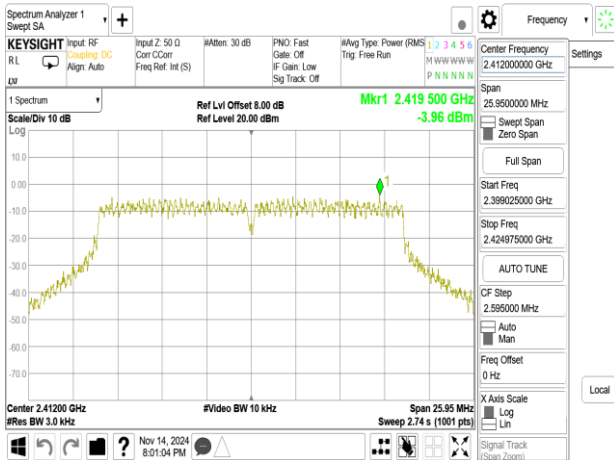


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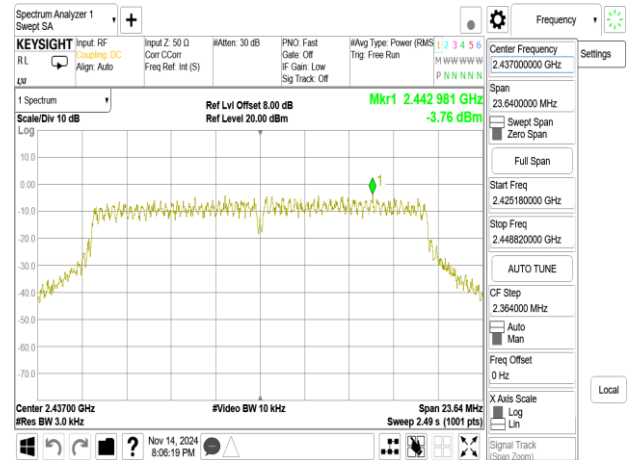
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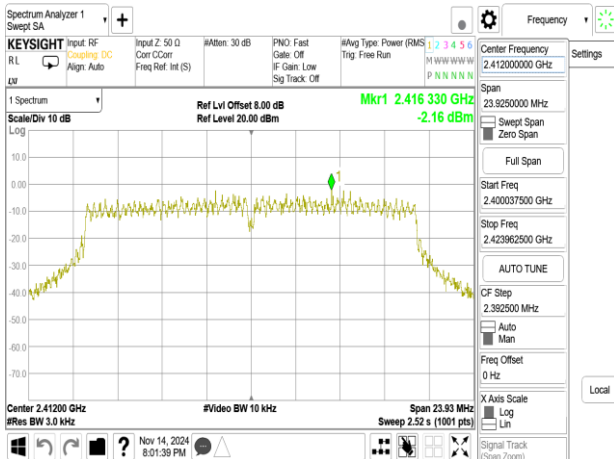
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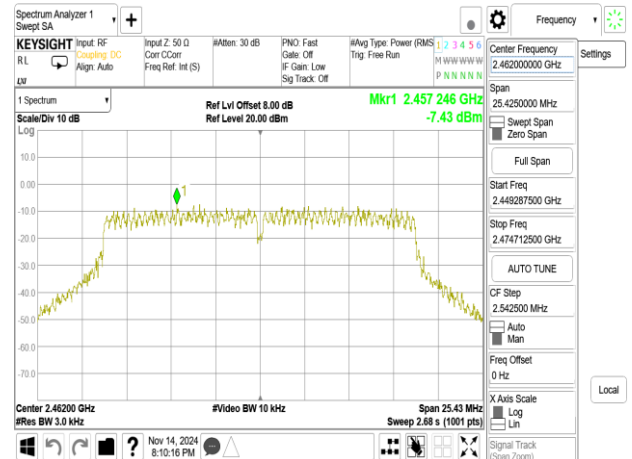
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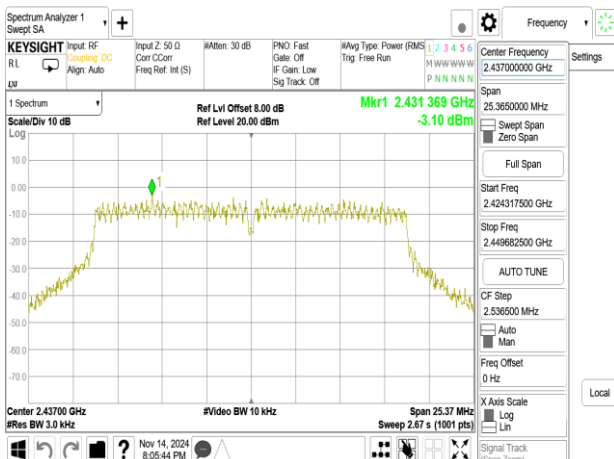
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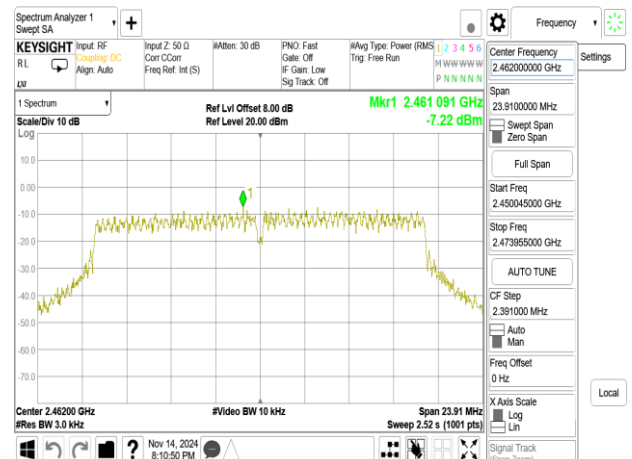
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802.11n\_20MHz\_Chain0\_2437MHz



802.11n\_20MHz\_Chain1\_2462MHz

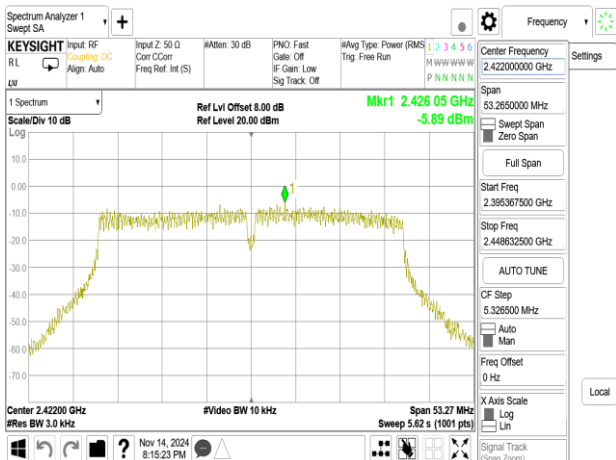


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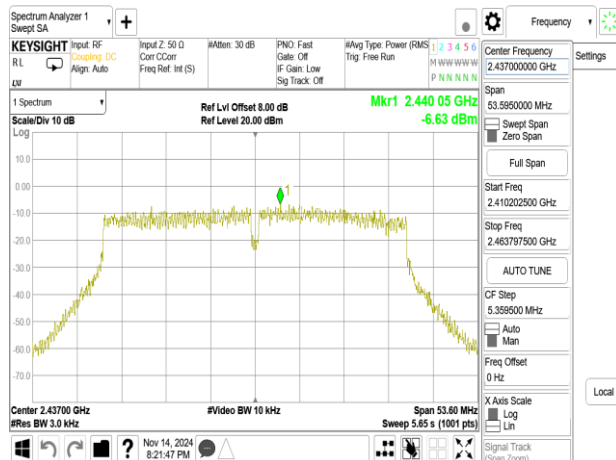
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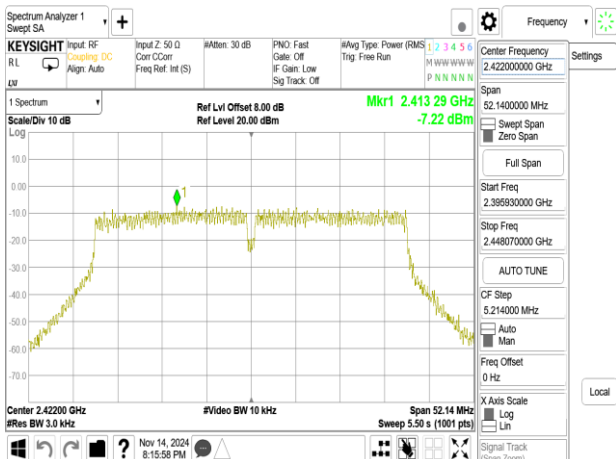
802.11n\_40MHz\_Chain0\_2422MHz



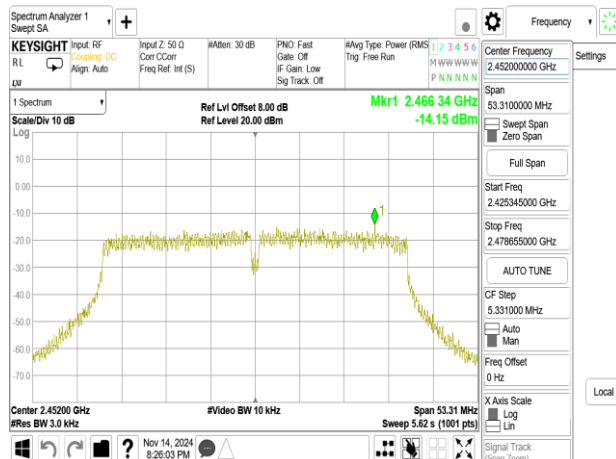
802.11n\_40MHz\_Chain1\_2437MHz



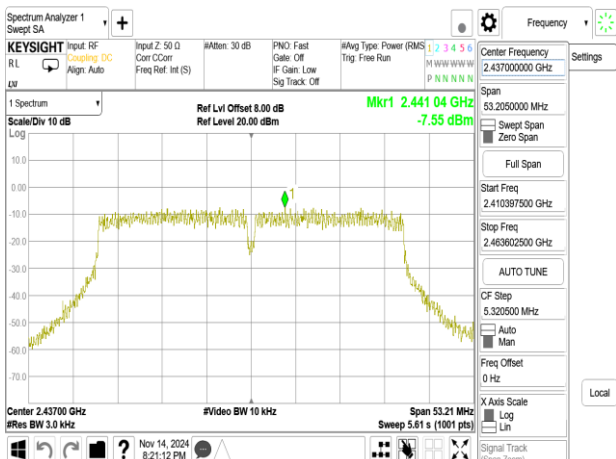
802.11n\_40MHz\_Chain1\_2422MHz



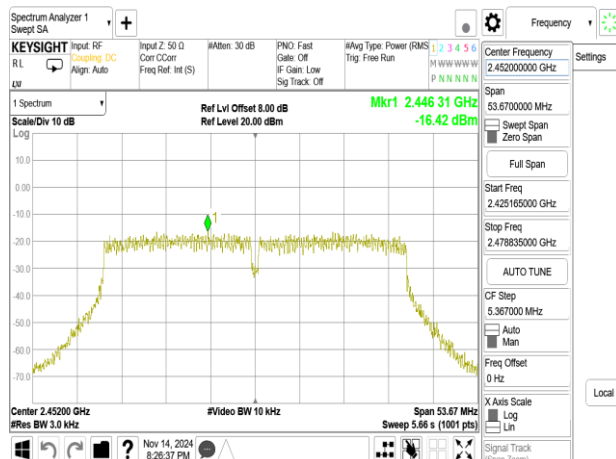
802.11n\_40MHz\_Chain0\_2452MHz



802.11n\_40MHz\_Chain0\_2437MHz



802.11n\_40MHz\_Chain1\_2452MHz

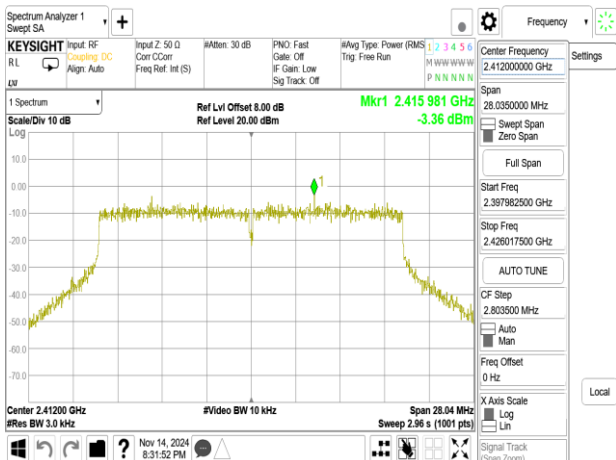


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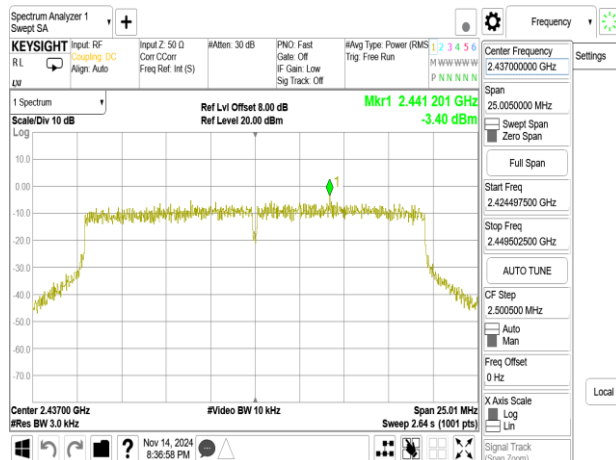
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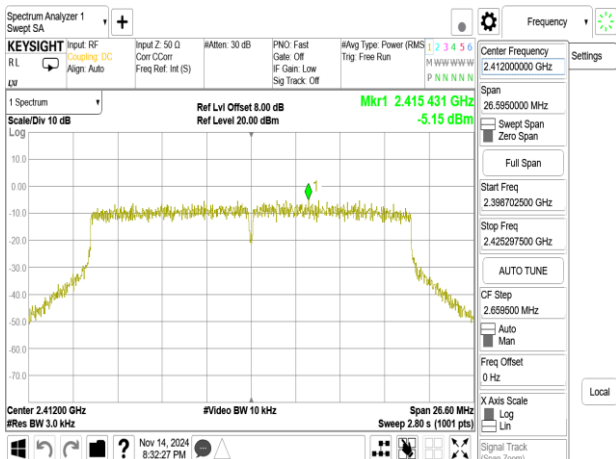
802.11ax\_20MHz\_Chain0\_2412MHz



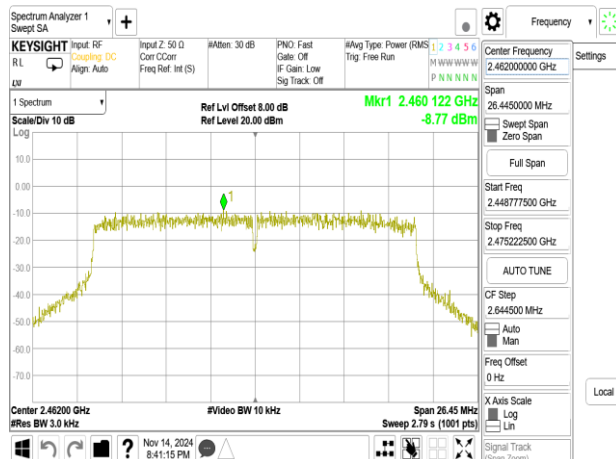
802.11ax\_20MHz\_Chain1\_2437MHz



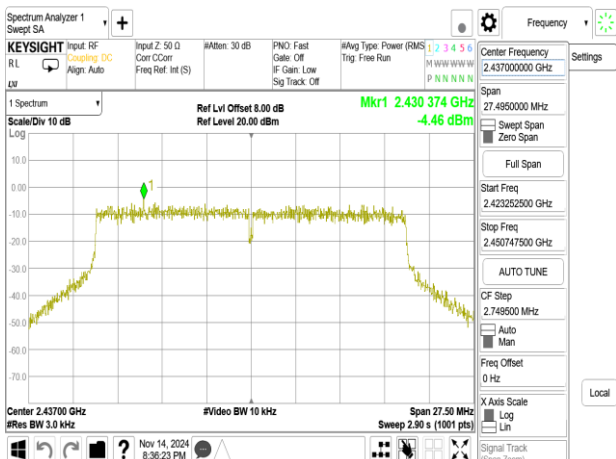
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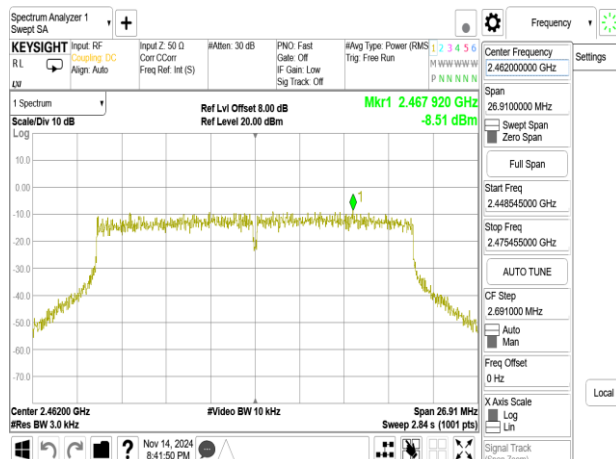
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802.11ax\_20MHz\_Chain0\_2437MHz



802.11ax\_20MHz\_Chain1\_2462MHz

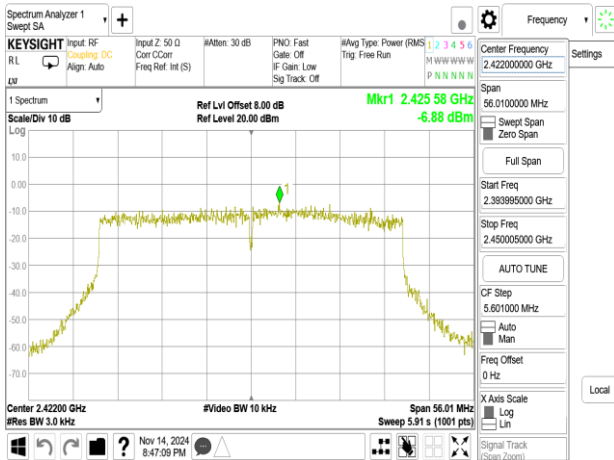


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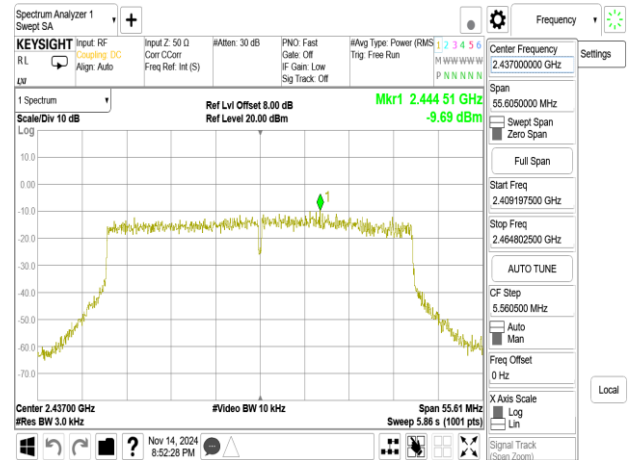
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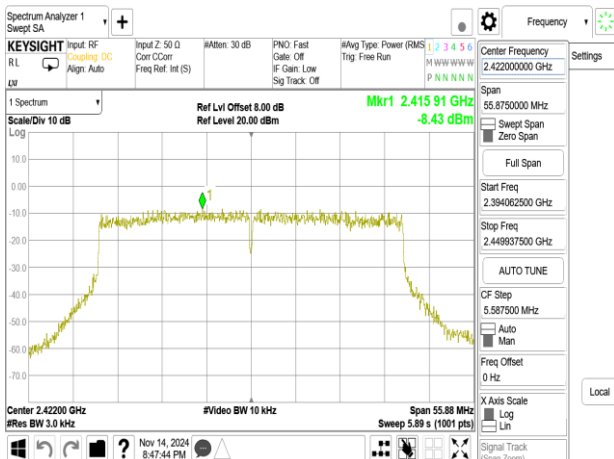
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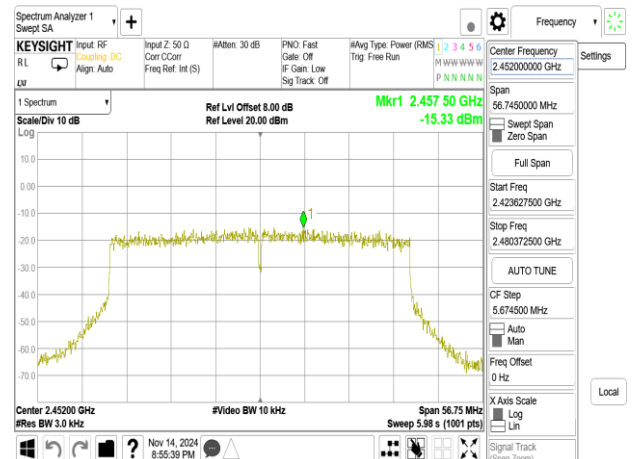
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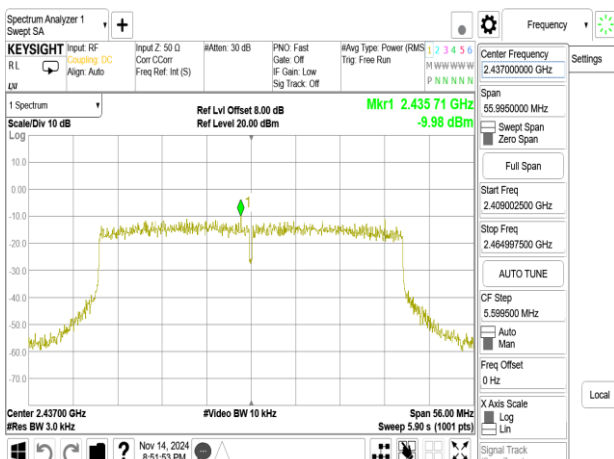
802.11ax\_40MHz\_Chain1\_2422MHz



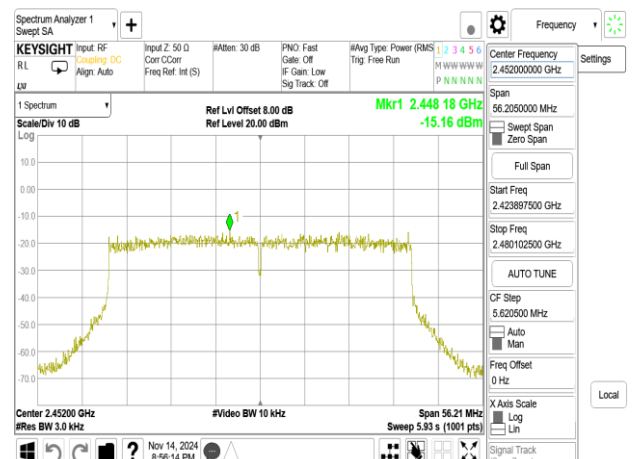
802.11ax\_40MHz\_Chain0\_2452MHz



802.11ax\_40MHz\_Chain0\_2437MHz



802.11ax\_40MHz\_Chain1\_2452MHz



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## 13 ANTENNA REQUIREMENT

### 13.1 Standard Applicable

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§ 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

### 13.2 Antenna Connected Construction:

The antenna complies with this requirement and no consideration of replacement. Please see EUT photo for details.

*~ End of Report ~*

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