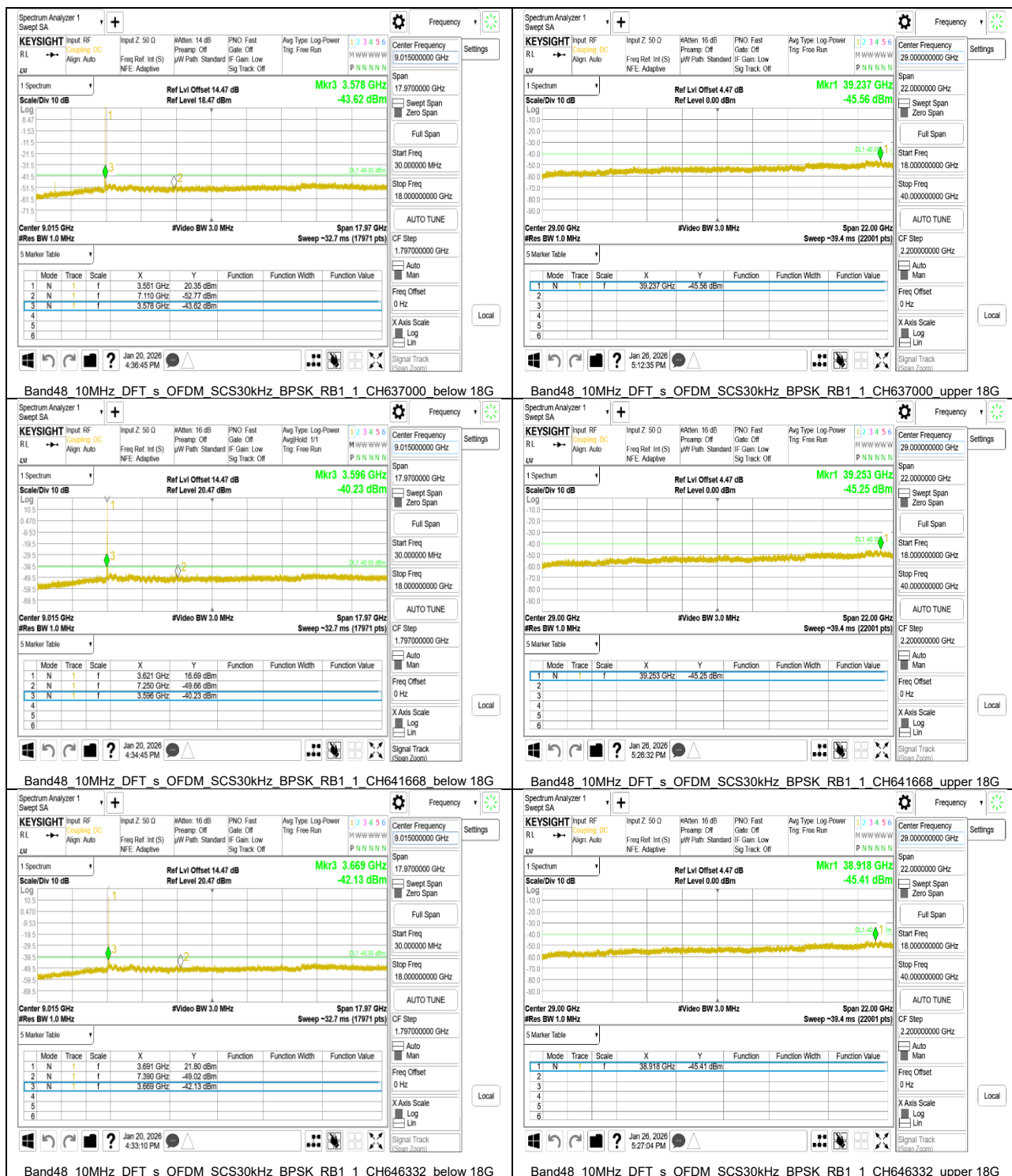




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SGS Taiwan Ltd.

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

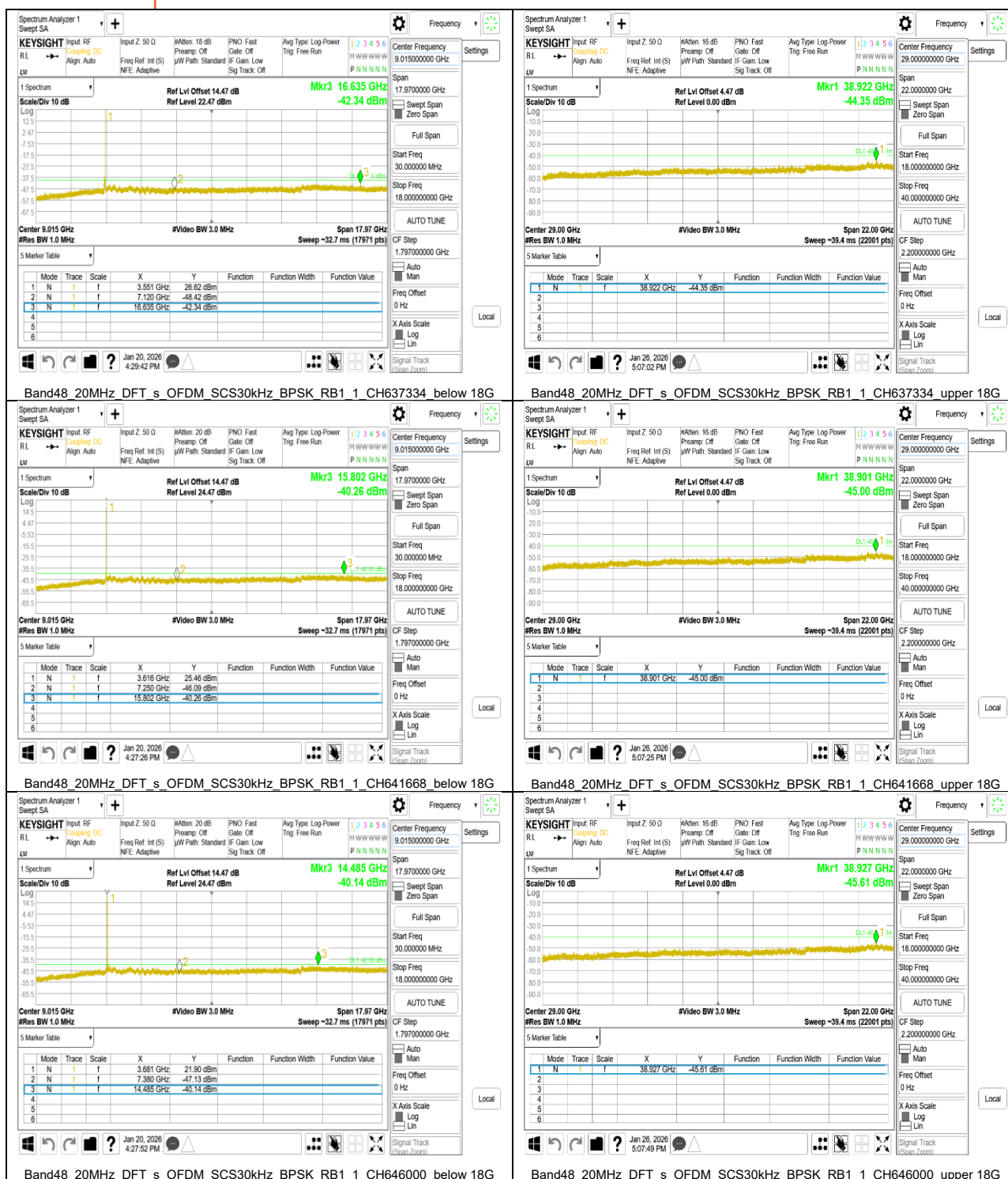
台灣檢驗科技股份有限公司

t (886-2) 2299-3279

f (886-2) 2298-0488

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7.5 Field Strength Of Spurious Radiation

LTE

Report Number :TERF2511003794ER

Test Site :SAC 1

Operation Mode :LTE B48

Test Date :2026-01-20

Test Mode :Tx

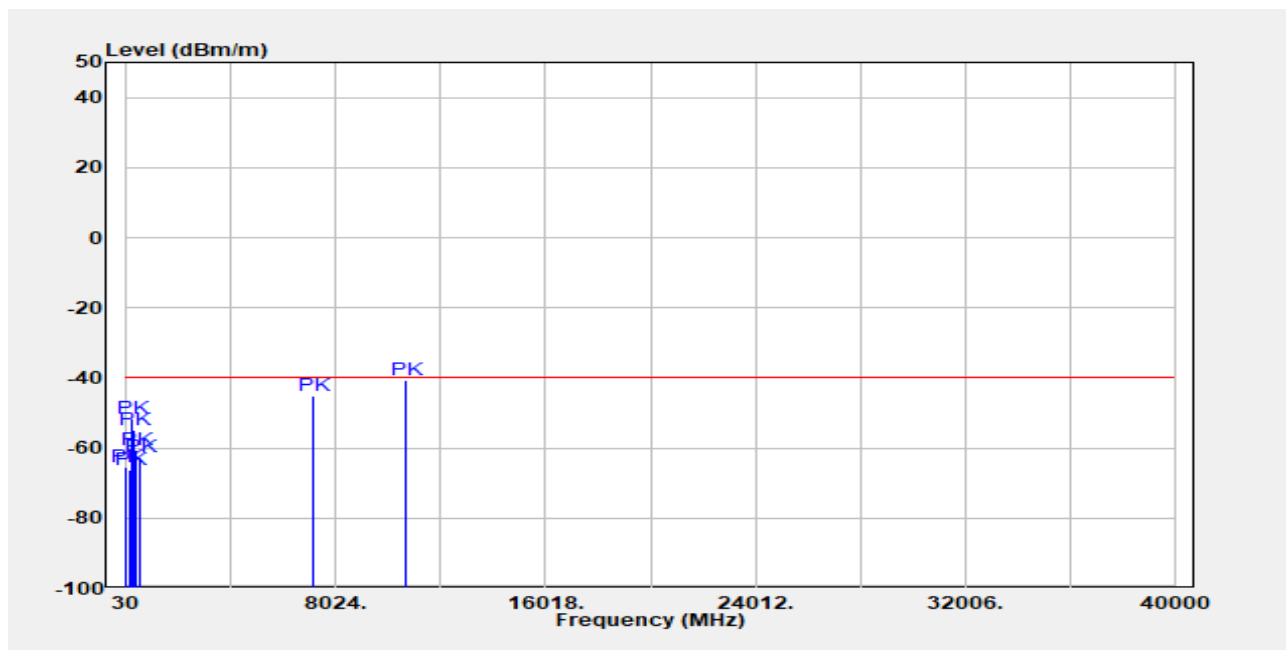
Temp./Humi. :23.8°C/58%

EUT Pol :E2 Plane

Antenna Pol. :Vertical

Test Frequency :3555 MHz

Engineer :WJ Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-65.29	-52.49	-11.77	-1.03	-40.00	-25.29
161.92	-66.41	-65.30	1.21	-2.33	-40.00	-26.41
223.03	-51.57	-56.16	7.32	-2.73	-40.00	-11.57
296.75	-55.04	-58.14	6.24	-3.14	-40.00	-15.04
371.44	-60.64	-63.78	6.67	-3.53	-40.00	-20.64
519.85	-62.61	-65.00	6.55	-4.16	-40.00	-22.61
7110.00	-45.10	-40.30	11.08	-15.87	-40.00	-5.10
10665.00	-40.60	-32.33	11.36	-19.63	-40.00	-0.60

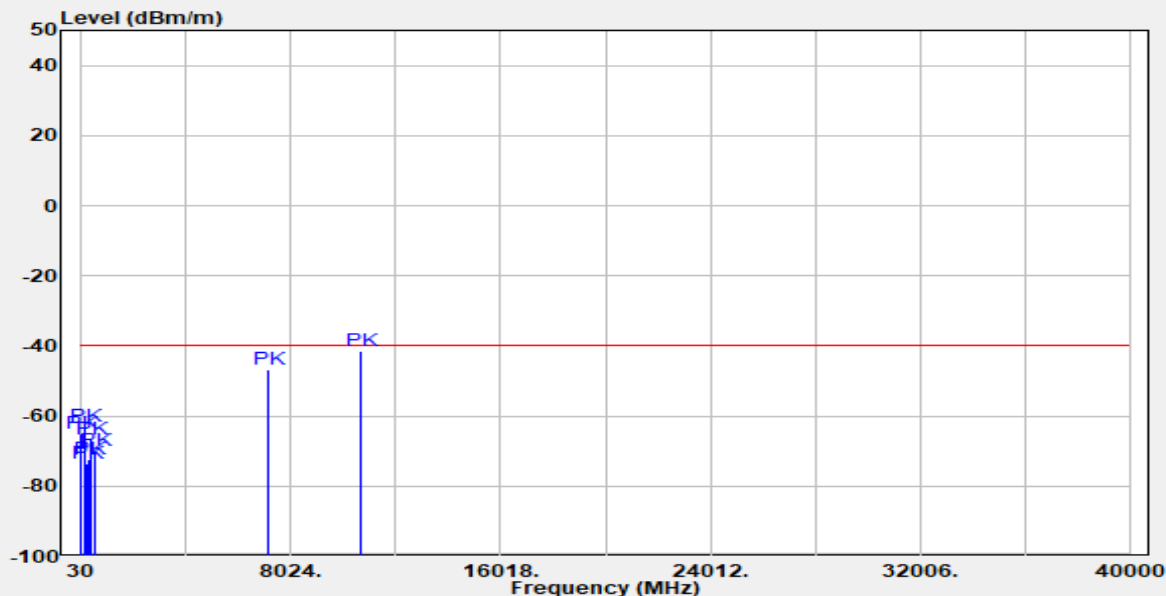
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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3555 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



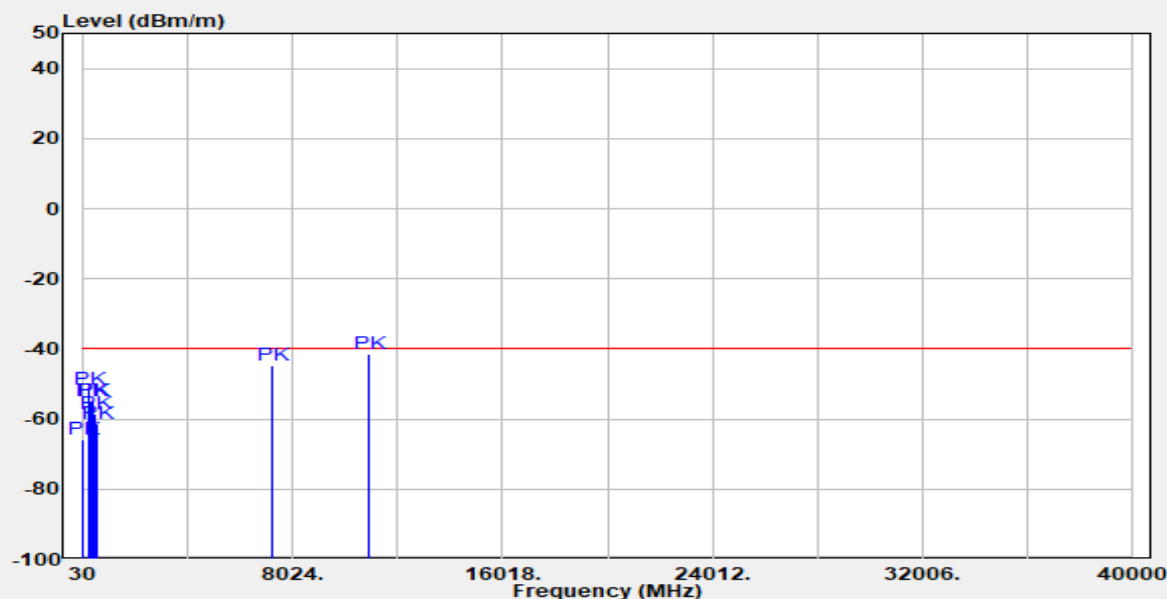
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.00	-64.88	-51.55	-12.33	-1.00	-40.00	-24.88
161.92	-63.01	-61.89	1.21	-2.33	-40.00	-23.01
223.03	-73.40	-77.99	7.32	-2.73	-40.00	-33.40
296.75	-72.53	-75.63	6.24	-3.14	-40.00	-32.53
371.44	-66.65	-69.80	6.67	-3.53	-40.00	-26.65
519.85	-69.85	-72.24	6.55	-4.16	-40.00	-29.85
7110.00	-46.58	-41.79	11.08	-15.87	-40.00	-6.58
10665.00	-41.33	-33.07	11.36	-19.63	-40.00	-1.33

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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3625 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



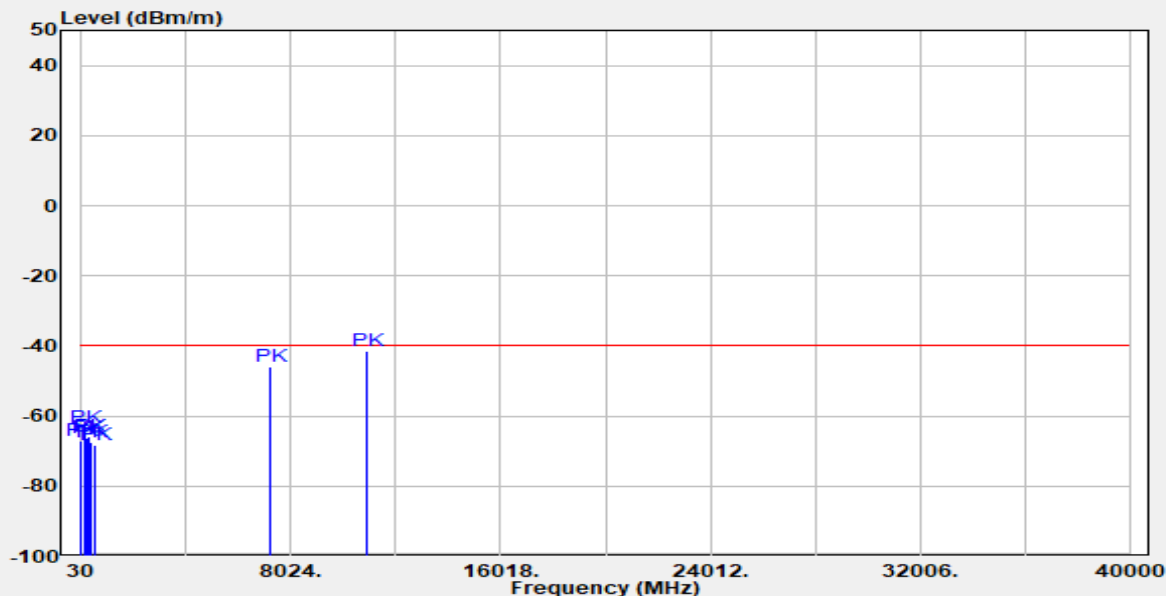
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-65.78	-53.30	-11.42	-1.06	-40.00	-25.78
223.03	-51.63	-56.22	7.32	-2.73	-40.00	-11.63
296.75	-54.88	-57.98	6.24	-3.14	-40.00	-14.88
350.10	-54.70	-58.00	6.71	-3.41	-40.00	-14.70
450.01	-58.59	-61.01	6.29	-3.87	-40.00	-18.59
549.92	-61.24	-63.60	6.64	-4.28	-40.00	-21.24
7250.00	-44.70	-39.56	10.90	-16.04	-40.00	-4.70
10875.00	-41.37	-32.70	11.15	-19.82	-40.00	-1.37

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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3625 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



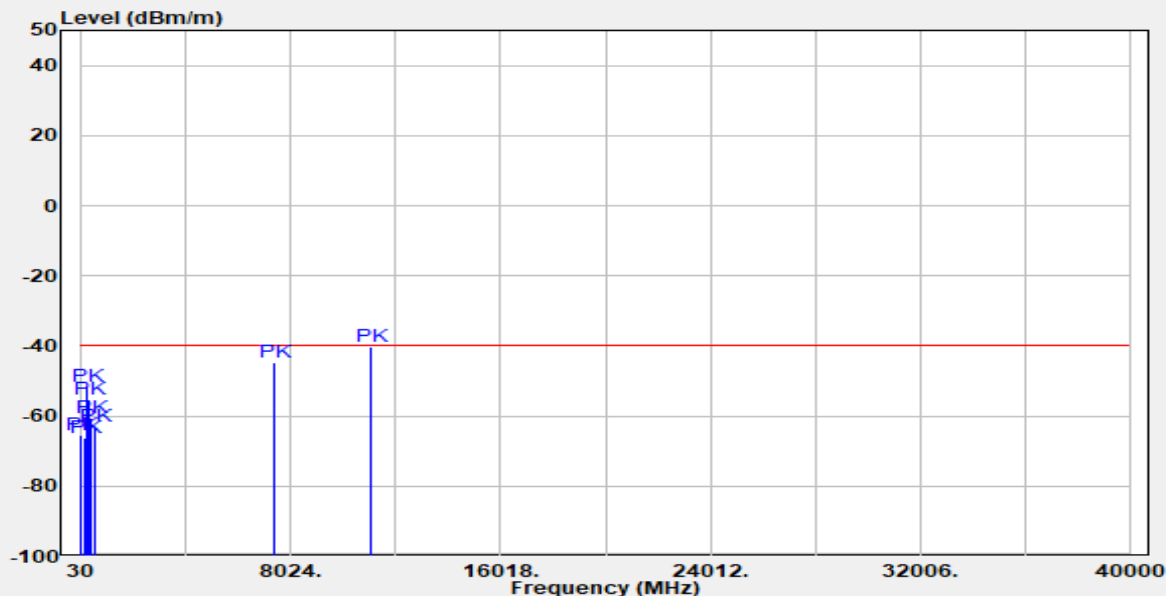
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
32.91	-67.08	-54.69	-11.34	-1.05	-40.00	-27.08
161.92	-63.56	-62.44	1.21	-2.33	-40.00	-23.56
223.03	-66.40	-70.99	7.32	-2.73	-40.00	-26.40
296.75	-65.80	-68.90	6.24	-3.14	-40.00	-25.80
371.44	-67.44	-70.58	6.67	-3.53	-40.00	-27.44
519.85	-68.10	-70.49	6.55	-4.16	-40.00	-28.10
7250.00	-45.99	-40.85	10.90	-16.04	-40.00	-5.99
10875.00	-41.29	-32.63	11.15	-19.82	-40.00	-1.29

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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3695 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.94	-65.34	-52.53	-11.77	-1.03	-40.00	-25.34
161.92	-66.25	-65.14	1.21	-2.33	-40.00	-26.25
223.03	-51.70	-56.29	7.32	-2.73	-40.00	-11.70
296.75	-55.15	-58.25	6.24	-3.14	-40.00	-15.15
371.44	-60.60	-63.74	6.67	-3.53	-40.00	-20.60
519.85	-62.87	-65.25	6.55	-4.16	-40.00	-22.87
7390.00	-44.83	-39.51	10.86	-16.18	-40.00	-4.83
11085.00	-40.40	-31.72	11.34	-20.01	-40.00	-0.40

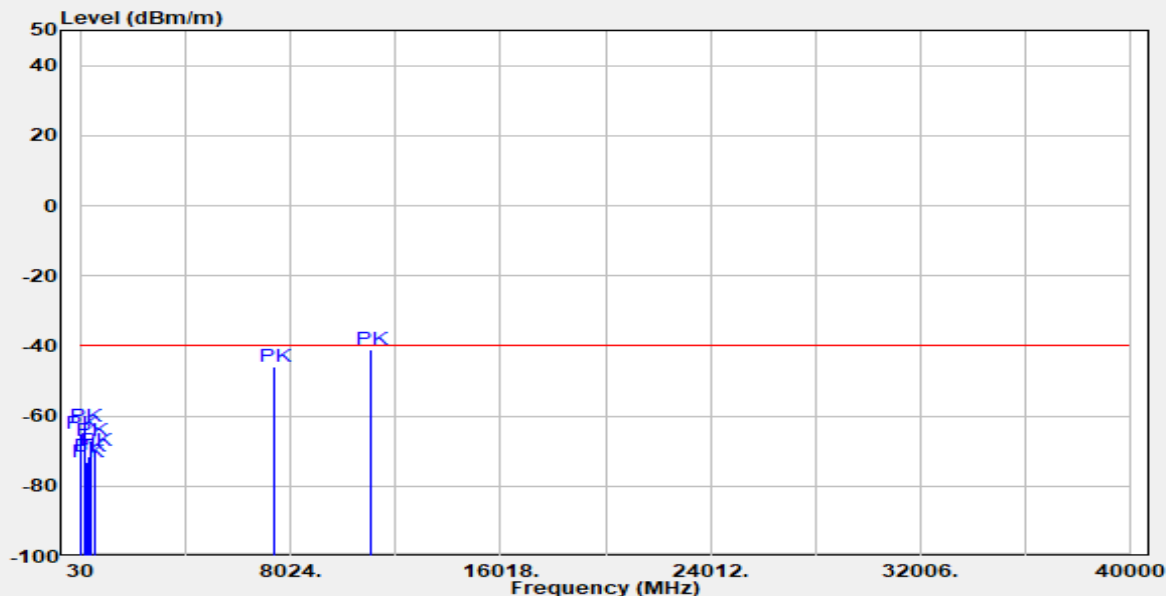
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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3695 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
30.97	-65.18	-52.31	-11.85	-1.02	-40.00	-25.18
161.92	-63.19	-62.08	1.21	-2.33	-40.00	-23.19
223.03	-73.15	-77.74	7.32	-2.73	-40.00	-33.15
296.75	-71.68	-74.78	6.24	-3.14	-40.00	-31.68
371.44	-67.14	-70.28	6.67	-3.53	-40.00	-27.14
519.85	-69.76	-72.15	6.55	-4.16	-40.00	-29.76
7390.00	-45.76	-40.44	10.86	-16.18	-40.00	-5.76
11085.00	-40.96	-32.28	11.34	-20.01	-40.00	-0.96

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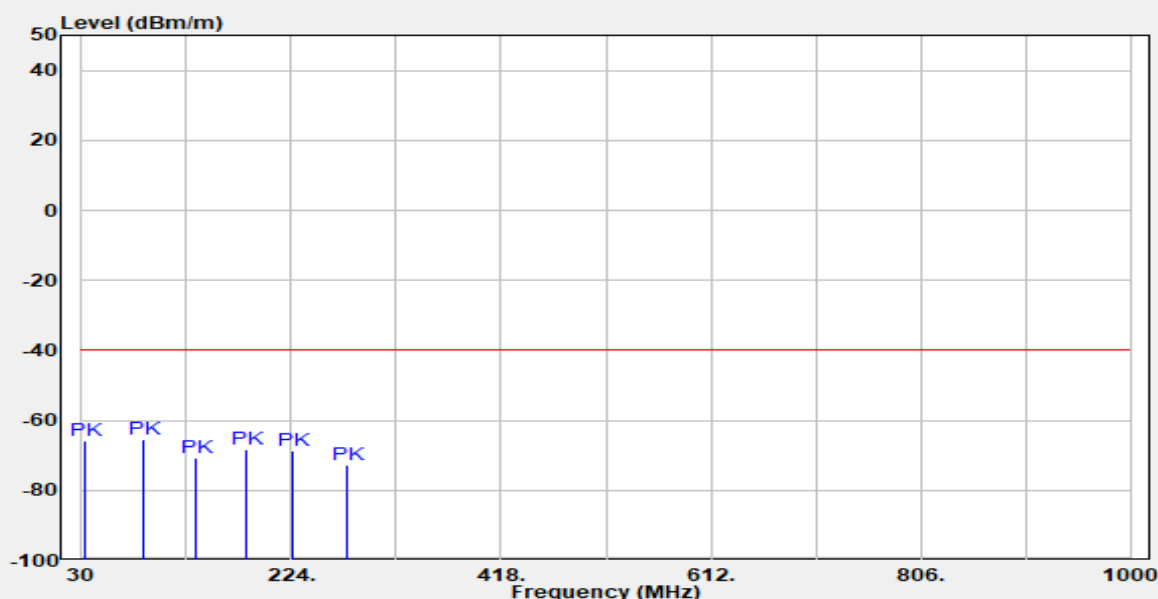
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Additional measurement

Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3695 MHz

Test Site :SAC 1
 Test Date :2026-03-25
 Temp./Humi. :23.0°C/64%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



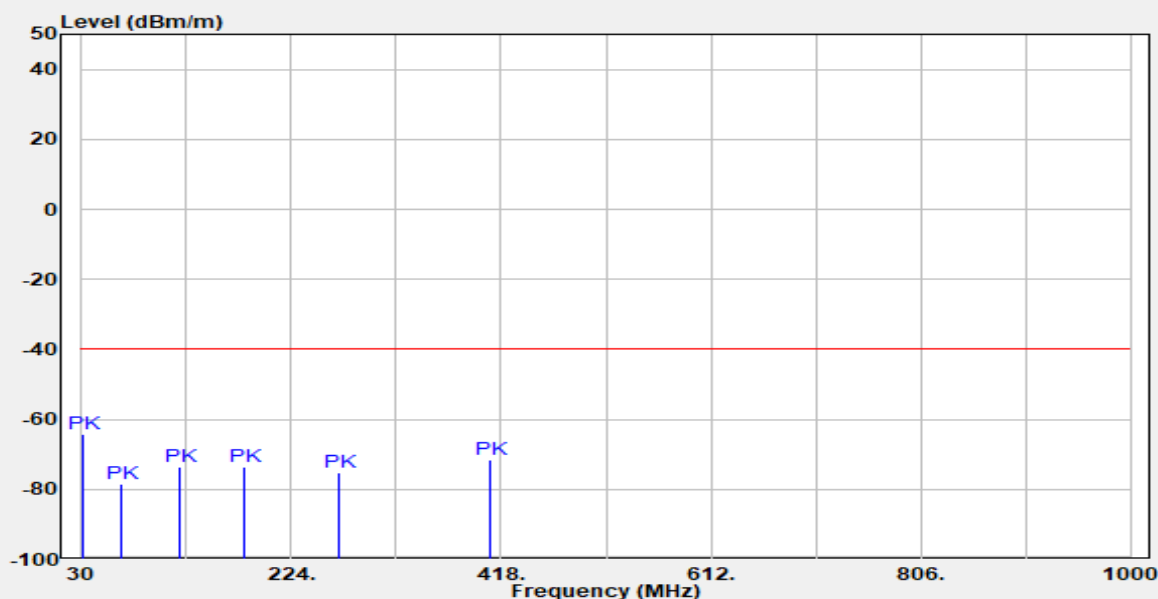
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-65.75	-53.37	-11.34	-1.05	-40.00	-25.75
87.23	-65.37	-64.98	1.32	-1.71	-40.00	-25.37
134.76	-70.90	-69.45	0.67	-2.13	-40.00	-30.90
182.29	-68.33	-70.04	4.17	-2.47	-40.00	-28.33
224.97	-68.65	-73.38	7.47	-2.73	-40.00	-28.65
275.41	-72.59	-75.78	6.22	-3.03	-40.00	-32.59

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Report Number :TERF2511003794ER
 Operation Mode :LTE B48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3695 MHz

Test Site :SAC 1
 Test Date :2026-03-25
 Temp./Humi. :23.0°C/64%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



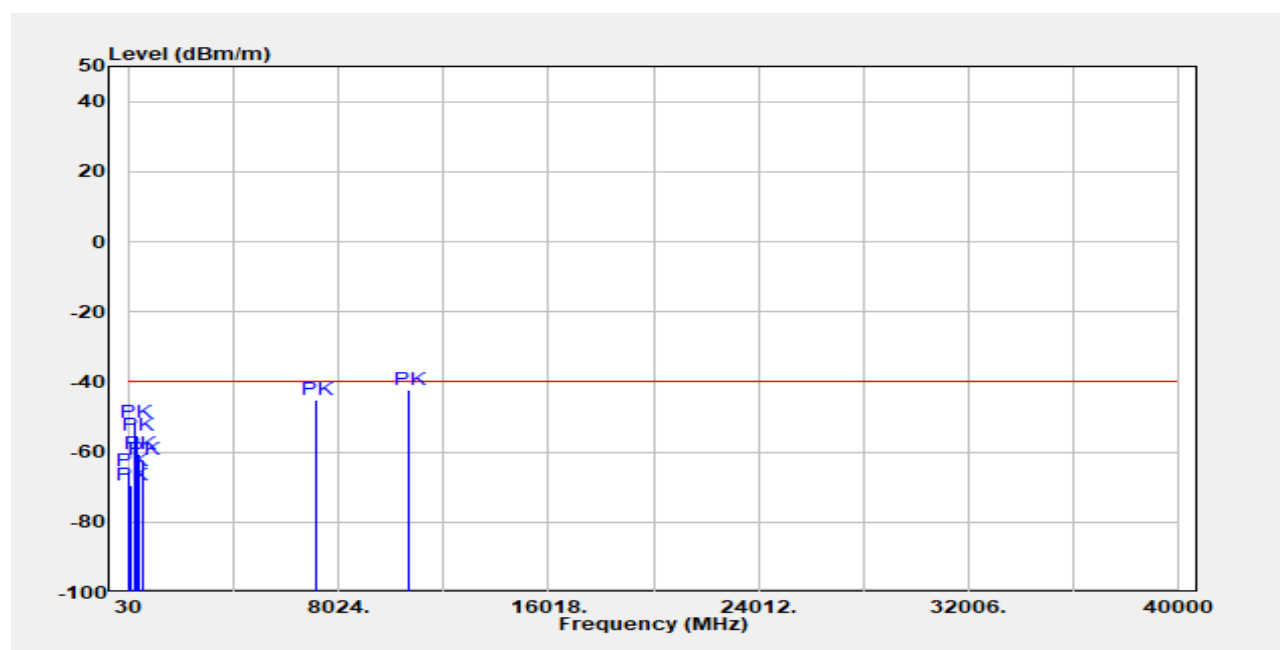
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-64.22	-51.35	-11.85	-1.02	-40.00	-24.22
66.86	-78.30	-71.54	-5.25	-1.50	-40.00	-38.30
121.18	-73.50	-72.76	1.27	-2.01	-40.00	-33.50
179.38	-73.46	-74.62	3.61	-2.45	-40.00	-33.46
267.65	-75.09	-78.42	6.32	-2.98	-40.00	-35.09
408.30	-71.73	-74.62	6.59	-3.69	-40.00	-31.73

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3555 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



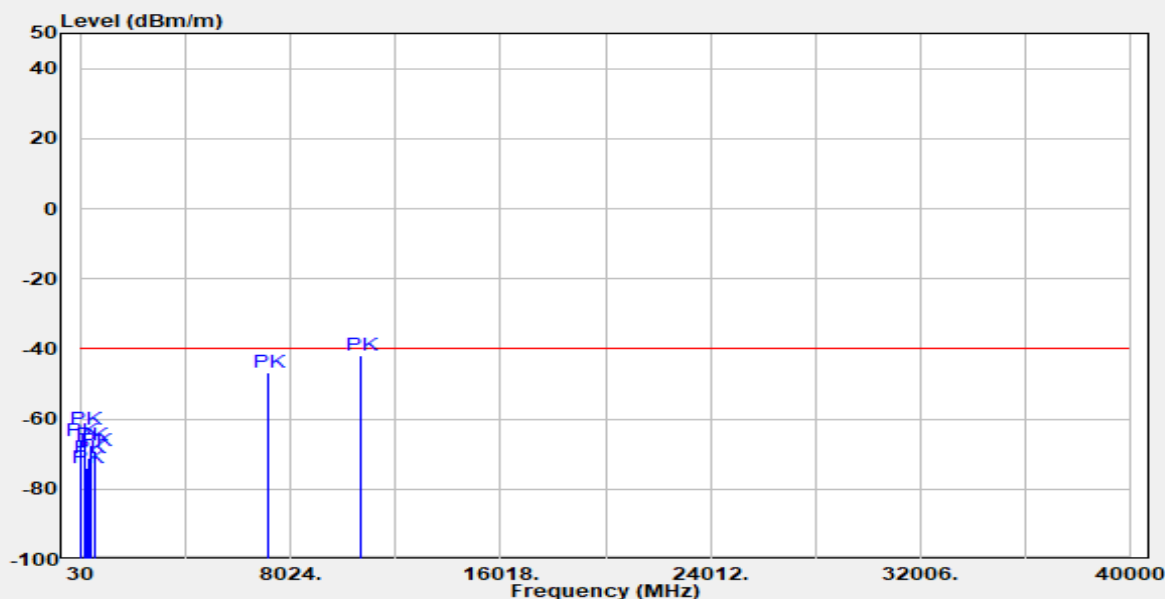
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-65.34	-52.95	-11.31	-1.08	-40.00	-25.34
86.26	-69.43	-68.98	1.25	-1.70	-40.00	-29.43
223.03	-51.63	-56.22	7.32	-2.73	-40.00	-11.63
296.75	-55.10	-58.20	6.24	-3.14	-40.00	-15.10
371.44	-60.62	-63.76	6.67	-3.53	-40.00	-20.62
519.85	-62.22	-64.61	6.55	-4.16	-40.00	-22.22
7110.00	-45.26	-40.47	11.08	-15.87	-40.00	-5.26
10665.00	-42.37	-34.11	11.36	-19.63	-40.00	-2.37

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3555 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



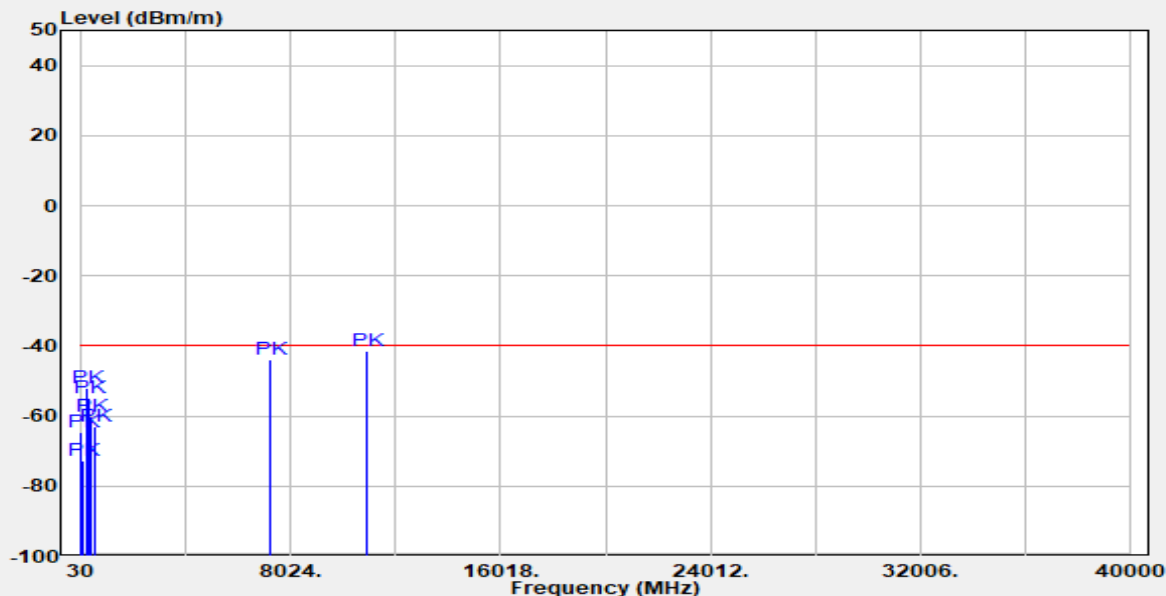
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.91	-66.11	-53.72	-11.34	-1.05	-40.00	-26.11
161.92	-62.90	-61.78	1.21	-2.33	-40.00	-22.90
223.03	-73.84	-78.43	7.32	-2.73	-40.00	-33.84
325.85	-71.13	-74.19	6.36	-3.30	-40.00	-31.13
371.44	-67.59	-70.73	6.67	-3.53	-40.00	-27.59
519.85	-69.30	-71.69	6.55	-4.16	-40.00	-29.30
7110.00	-46.70	-41.91	11.08	-15.87	-40.00	-6.70
10665.00	-41.71	-33.44	11.36	-19.63	-40.00	-1.71

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3625.02 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



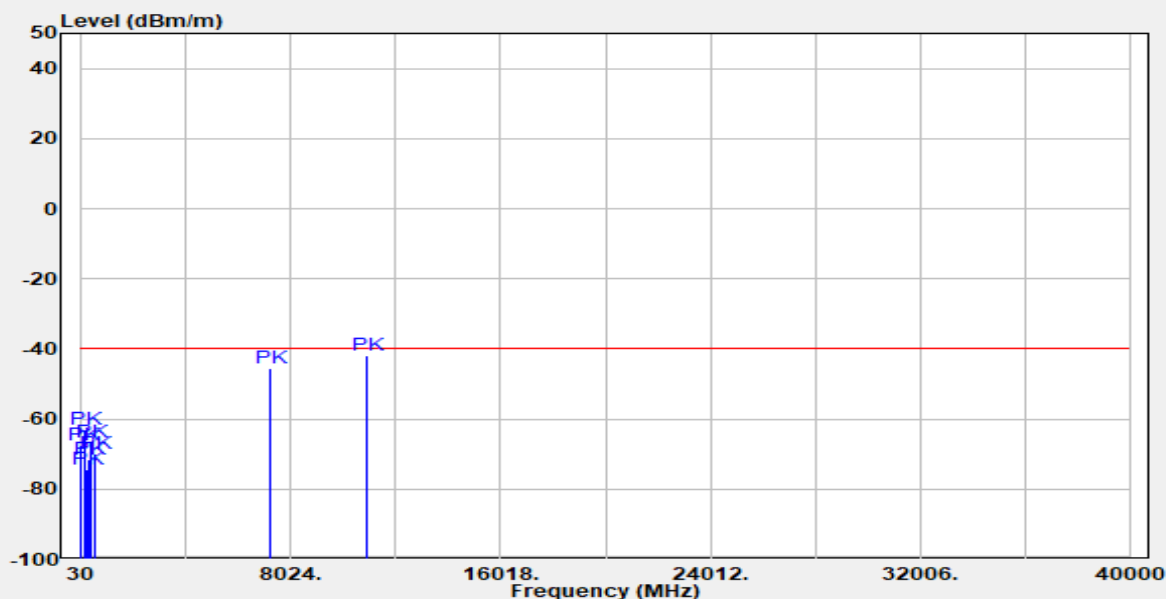
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-64.46	-52.44	-10.92	-1.09	-40.00	-24.46
84.32	-72.92	-71.92	0.68	-1.68	-40.00	-32.92
223.03	-51.96	-56.55	7.32	-2.73	-40.00	-11.96
296.75	-55.00	-58.10	6.24	-3.14	-40.00	-15.00
371.44	-60.21	-63.35	6.67	-3.53	-40.00	-20.21
519.85	-62.83	-65.22	6.55	-4.16	-40.00	-22.83
7250.04	-43.89	-38.75	10.90	-16.04	-40.00	-3.89
10875.06	-41.40	-32.73	11.15	-19.82	-40.00	-1.40

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3625.02 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



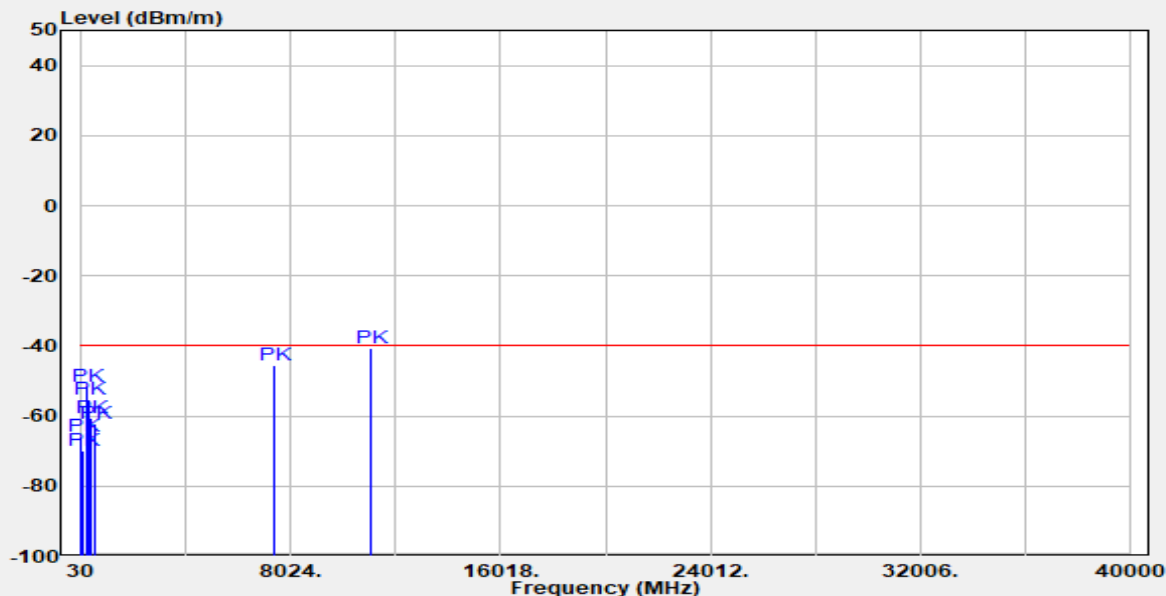
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.85	-67.59	-55.20	-11.31	-1.08	-40.00	-27.59
161.92	-63.15	-62.03	1.21	-2.33	-40.00	-23.15
223.03	-74.40	-78.99	7.32	-2.73	-40.00	-34.40
325.85	-71.60	-74.66	6.36	-3.30	-40.00	-31.60
371.44	-66.80	-69.94	6.67	-3.53	-40.00	-26.80
519.85	-69.75	-72.14	6.55	-4.16	-40.00	-29.75
7250.04	-45.45	-40.31	10.90	-16.04	-40.00	-5.45
10875.06	-41.70	-33.03	11.15	-19.82	-40.00	-1.70

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3694.98 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.79	-65.83	-53.83	-10.90	-1.11	-40.00	-25.83
99.84	-69.91	-69.62	1.55	-1.84	-40.00	-29.91
223.03	-51.46	-56.05	7.32	-2.73	-40.00	-11.46
296.75	-55.29	-58.39	6.24	-3.14	-40.00	-15.29
371.44	-60.48	-63.62	6.67	-3.53	-40.00	-20.48
519.85	-62.27	-64.66	6.55	-4.16	-40.00	-22.27
7389.96	-45.56	-40.24	10.86	-16.18	-40.00	-5.56
11084.94	-40.52	-31.84	11.34	-20.01	-40.00	-0.52

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t (886-2) 2299-3279

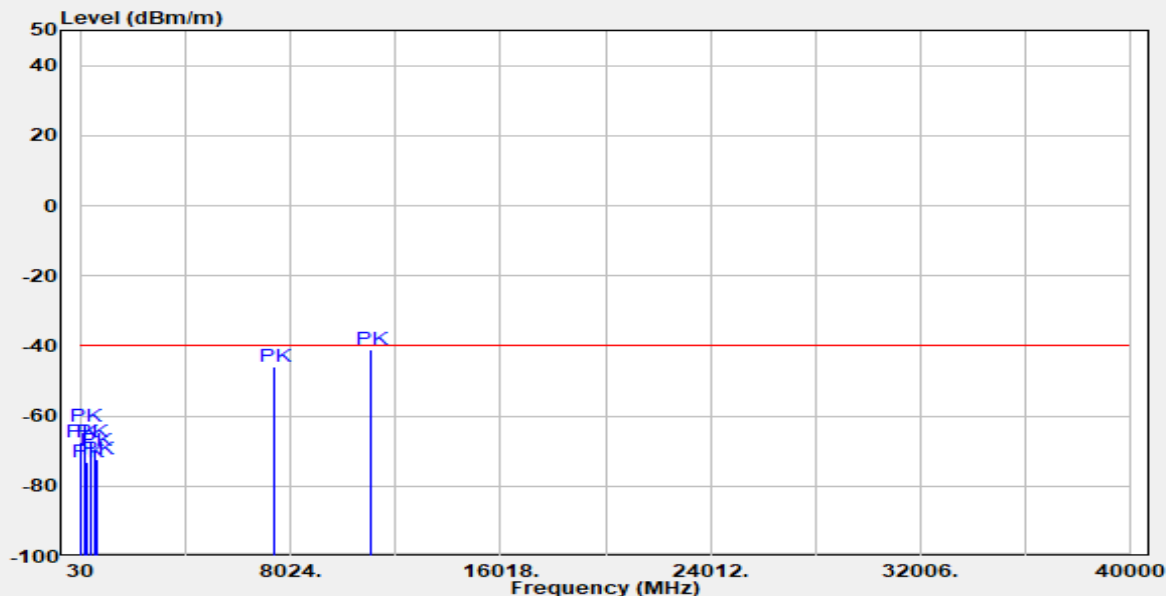
f (886-2) 2298-0488

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3694.98 MHz

Test Site :SAC 1
 Test Date :2026-01-20
 Temp./Humi. :23.8°C/58%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
33.88	-67.51	-55.02	-11.42	-1.06	-40.00	-27.51
161.92	-63.02	-61.90	1.21	-2.33	-40.00	-23.02
223.03	-73.01	-77.60	7.32	-2.73	-40.00	-33.01
350.10	-67.58	-70.88	6.71	-3.41	-40.00	-27.58
519.85	-69.95	-72.33	6.55	-4.16	-40.00	-29.95
587.75	-72.48	-74.36	6.30	-4.42	-40.00	-32.48
7389.96	-45.73	-40.41	10.86	-16.18	-40.00	-5.73
11084.94	-40.93	-32.25	11.34	-20.01	-40.00	-0.93

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f (886-2) 2298-0488

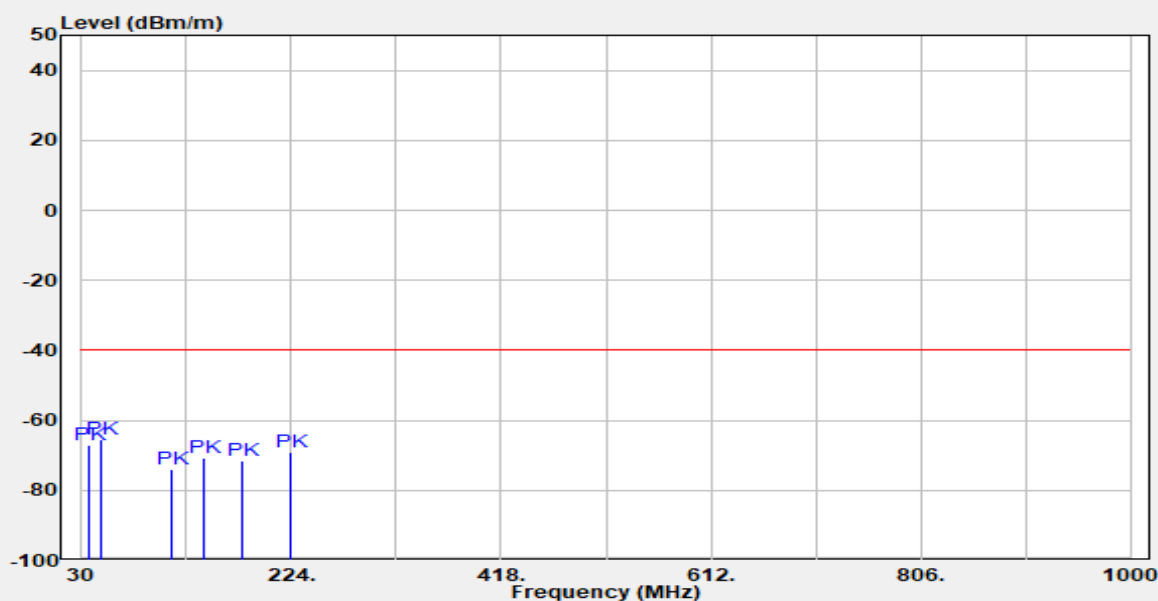
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Additional measurement

Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3555 MHz

Test Site :SAC 1
 Test Date :2026-03-25
 Temp./Humi. :23.0°C/64%
 Antenna Pol. :Vertical
 Engineer :WJ Lin



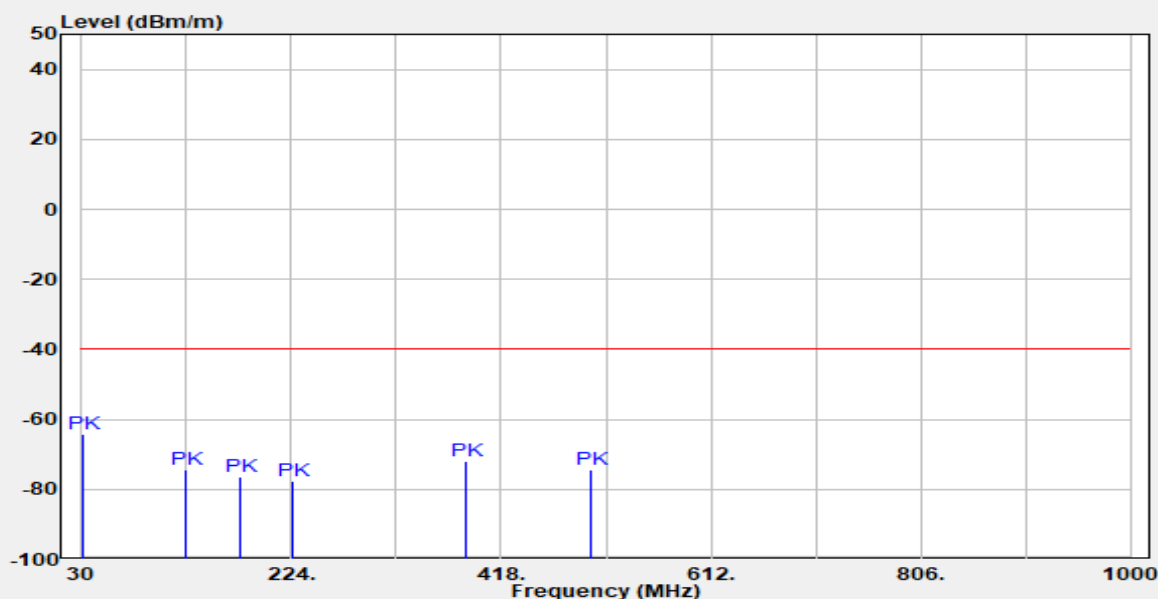
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.82	-67.04	-55.02	-10.92	-1.09	-40.00	-27.04
48.43	-65.49	-54.24	-9.97	-1.28	-40.00	-25.49
112.45	-73.87	-73.07	1.15	-1.94	-40.00	-33.87
142.52	-70.65	-68.98	0.51	-2.19	-40.00	-30.65
178.41	-71.48	-72.54	3.50	-2.44	-40.00	-31.48
223.03	-68.98	-73.57	7.32	-2.73	-40.00	-28.98

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Report Number :TERF2511003794ER
 Operation Mode :NR n48
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :3555 MHz

Test Site :SAC 1
 Test Date :2026-03-25
 Temp./Humi. :23.0°C/64%
 Antenna Pol. :Horizontal
 Engineer :WJ Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-64.13	-51.26	-11.85	-1.02	-40.00	-24.13
126.03	-74.56	-73.54	1.04	-2.05	-40.00	-34.56
176.47	-76.32	-76.95	3.06	-2.43	-40.00	-36.32
224.97	-77.50	-82.23	7.47	-2.73	-40.00	-37.50
385.99	-72.08	-75.04	6.54	-3.58	-40.00	-32.08
501.42	-74.27	-76.86	6.68	-4.09	-40.00	-34.27

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7.6 Frequency Stability

LTE

Reference Freq.:	LTE B48 Mid Channel		3625.0000	MHz 10M QPSK CH 55990
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
Freq. ERROR vs. VOLTAGE				
138	20	3624.999989	-0.0031	+/- 2.5 ppm
120	20	3625.000007	0.0020	
102	20	3625.000000	0.0001	
20.6	20	3625.000003	0.0009	
(End Point)				
Freq. ERROR vs. Temp.				
120	-30	3624.999991	-0.0025	+/- 2.5 ppm
120	-20	3625.000006	0.0016	
120	-10	3625.000013	0.0035	
120	0	3624.999993	-0.0018	
120	10	3625.000003	0.0007	
120	20	3624.999997	-0.0009	
120	30	3625.000011	0.0031	
120	40	3625.000006	0.0018	
120	50	3624.999995	-0.0014	

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5G NR BAND n48				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz		Bandwidth:
CH	641668		Frequency(MHz)	3625.02
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
138	20	3625.020006	0.0017	+/- 2.5 ppm
120	20	3625.019989	-0.0030	
102	20	3625.019989	-0.0031	
20.6 (End Point)	20	3625.020008	0.0023	
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit
120	-30	3625.020010	0.0028	+/- 2.5 ppm
120	-20	3625.020002	0.0007	
120	-10	3625.020006	0.0015	
120	0	3625.019988	-0.0034	
120	10	3625.020007	0.0018	
120	20	3625.019992	-0.0023	
120	30	3625.019997	-0.0008	
120	40	3625.019993	-0.0018	
120	50	3625.020011	0.0030	

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7.7 Peak To Average Ratio

LTE

LTE BAND 48							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
CH	Freq. (MHz)	PAPR (dB)		CH	Freq. (MHz)	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
55265	3552.5	6.63	13	55290	3555.0	6.91	13
55990	3625.0	7.71	13	55990	3625.0	6.91	13
56715	3697.5	7.03	13	56690	3695.0	6.77	13

LTE BAND 48							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
CH	Freq. (MHz)	PAPR (dB)		CH	Freq. (MHz)	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
55315	3557.5	6.70	13	55340	3560.0	6.71	13
56040	3630.0	6.79	13	56040	3630.0	6.77	13
56665	3692.5	6.85	13	56640	3690.0	7.27	13

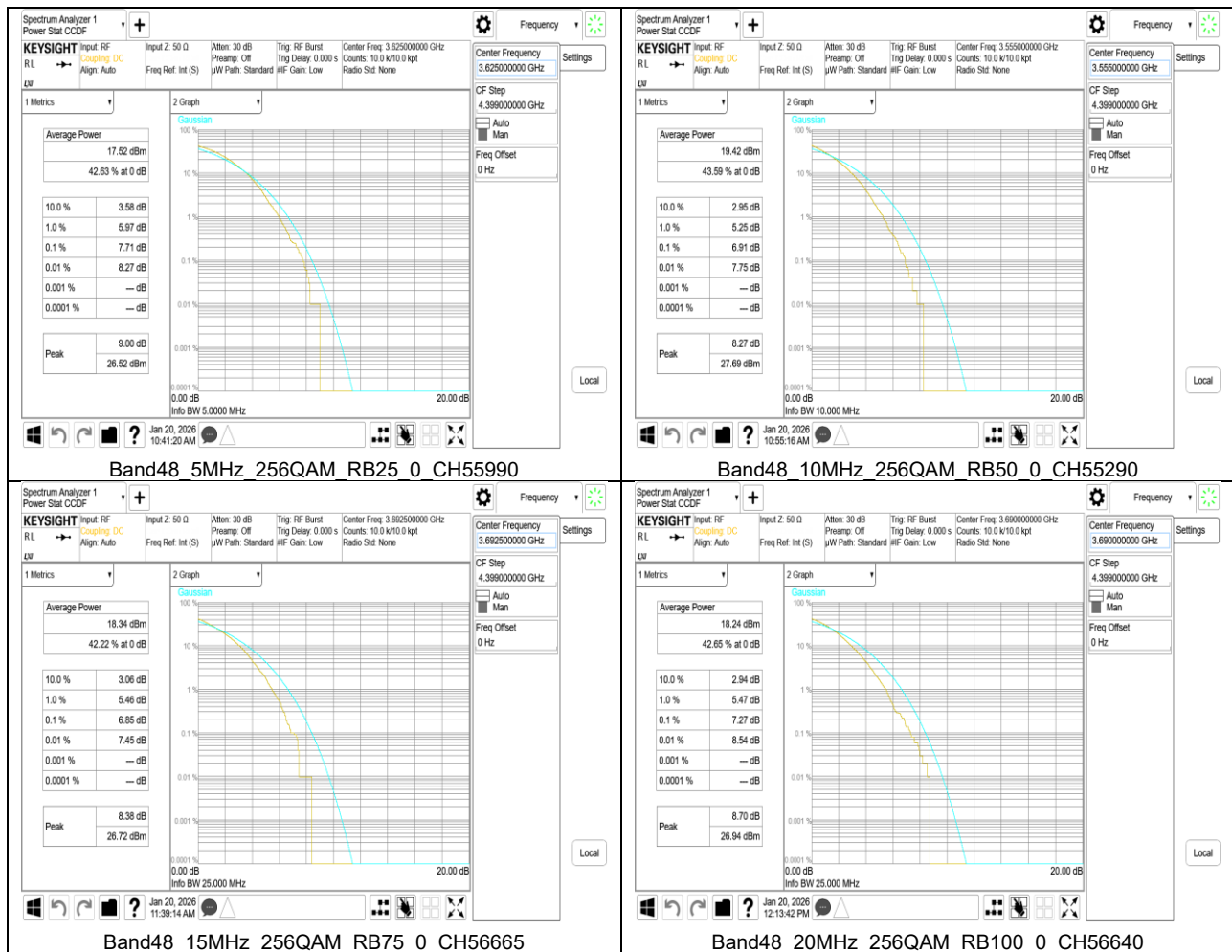
NR

5G NR BAND n48(3550 to 3700 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 10MHz				Channel bandwidth: 15MHz			
CH	Freq. (MHz)	PAPR (dB)		CH	Freq. (MHz)	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
637000	3555.00	6.75	13	637168	3557.52	6.92	13
641668	3625.02	7.20	13	641668	3625.02	6.65	13
646332	3694.98	6.98	13	646166	3692.49	6.85	13

5G NR BAND n48(3550 to 3700 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
CH	Freq. (MHz)	PAPR (dB)					
		256QAM	Limit				
637334	3560.01	6.84	13				
641668	3625.02	6.93	13				
646000	3690.00	7.10	13				

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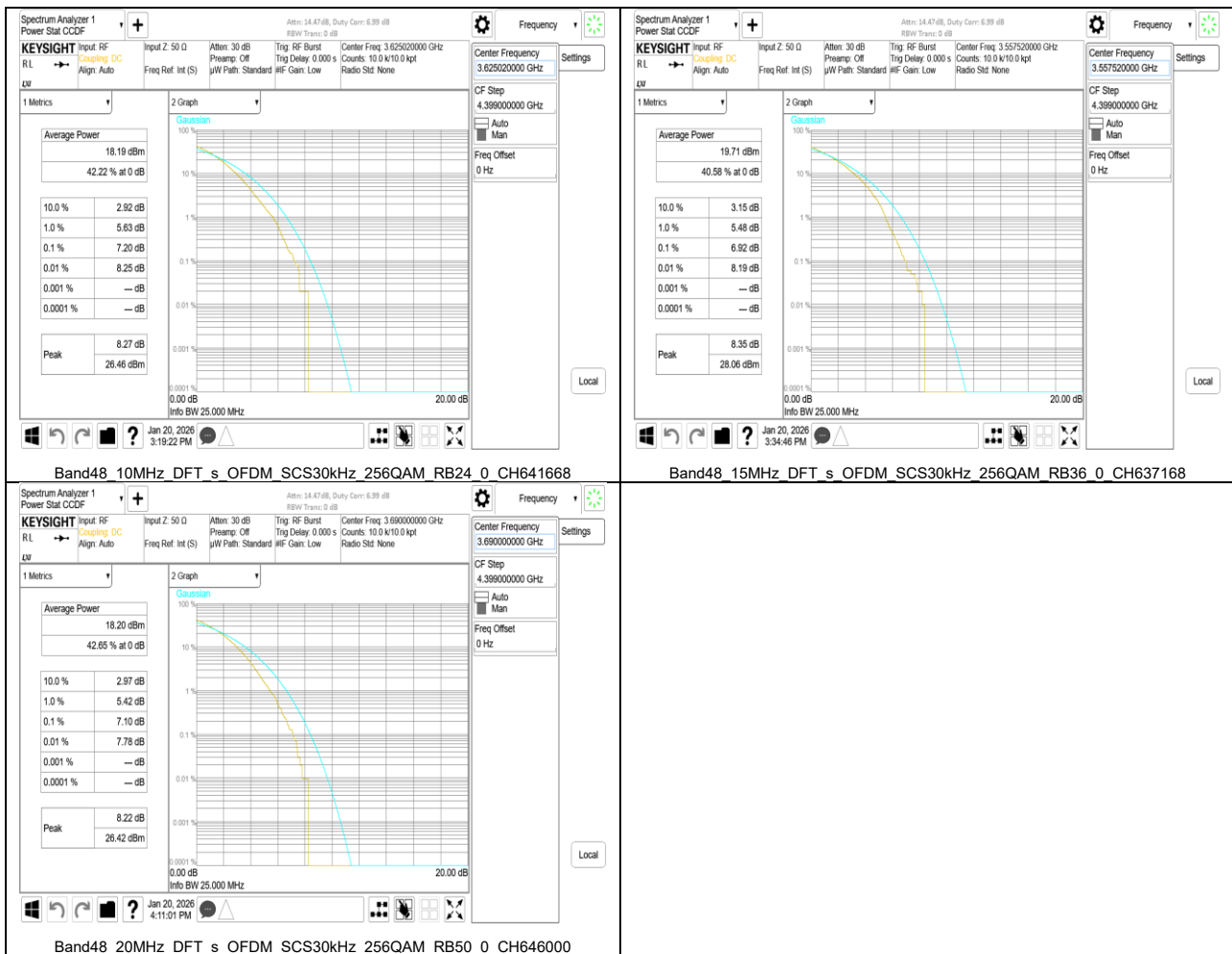
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End of Report

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