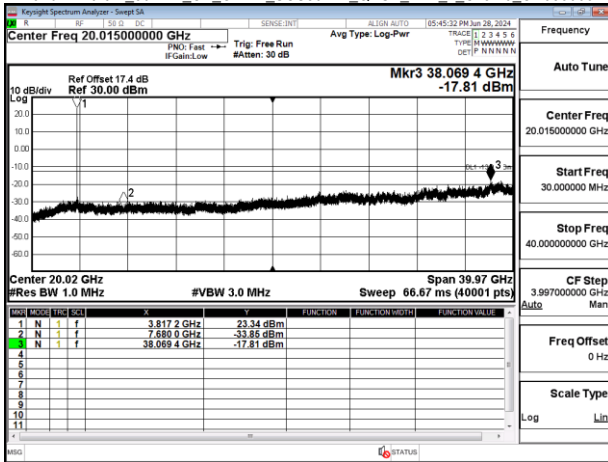
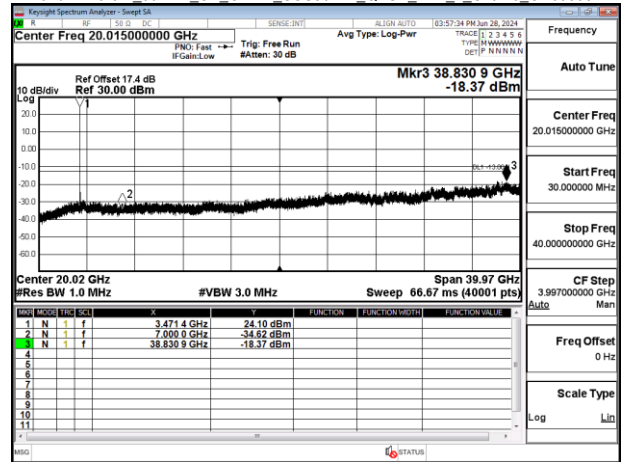


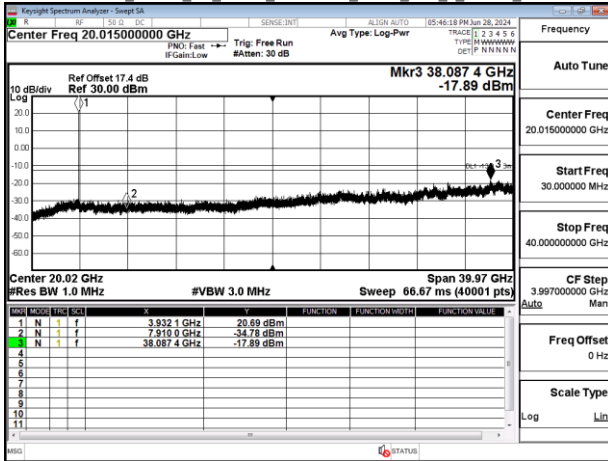
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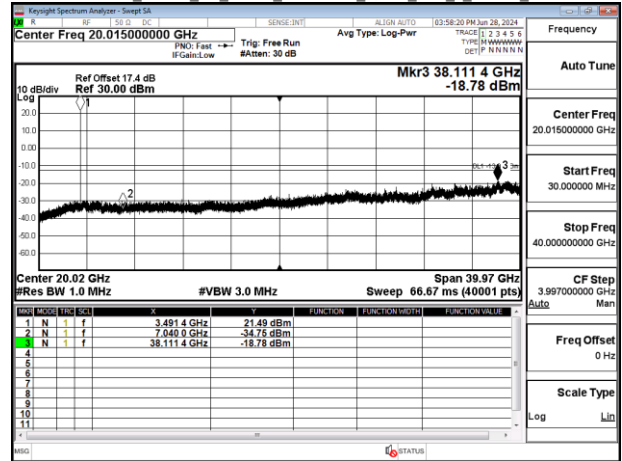
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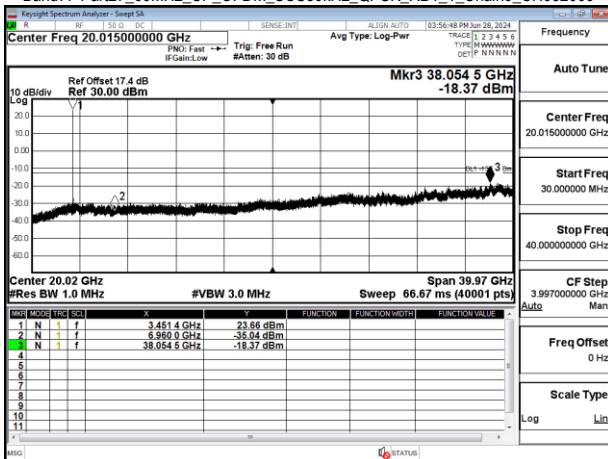
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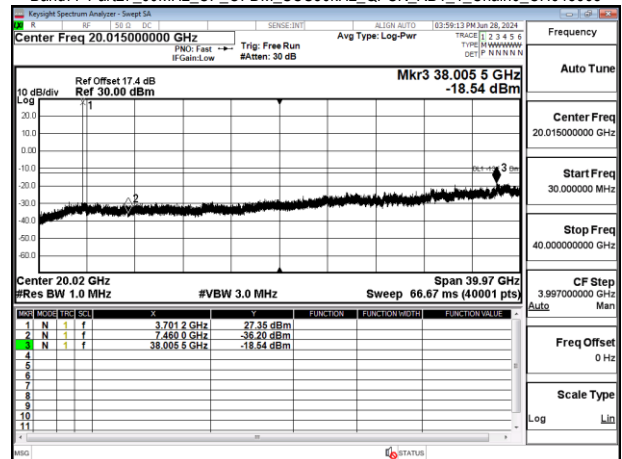
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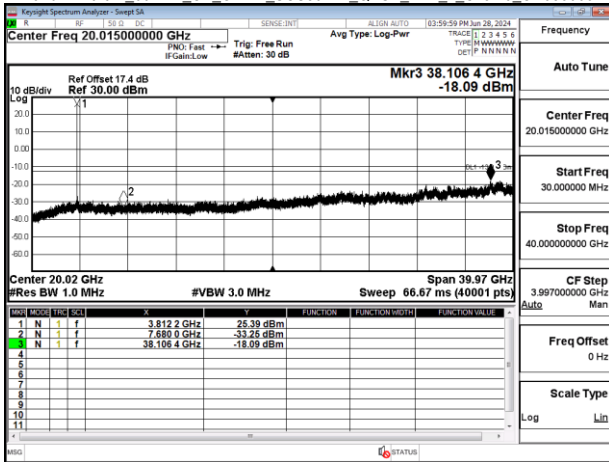


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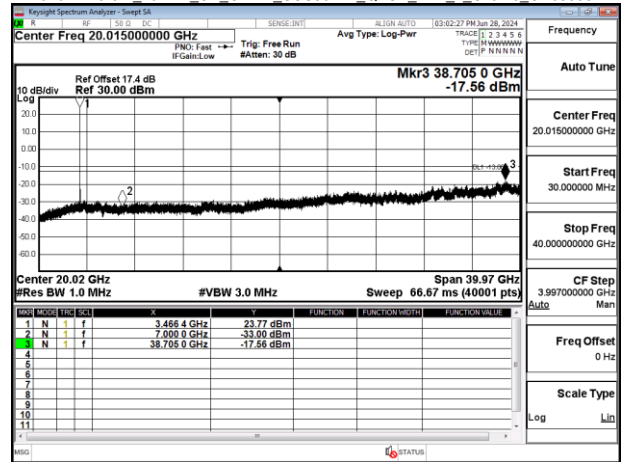
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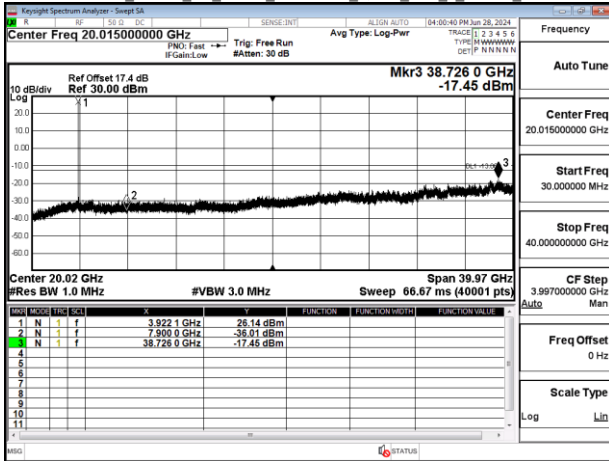
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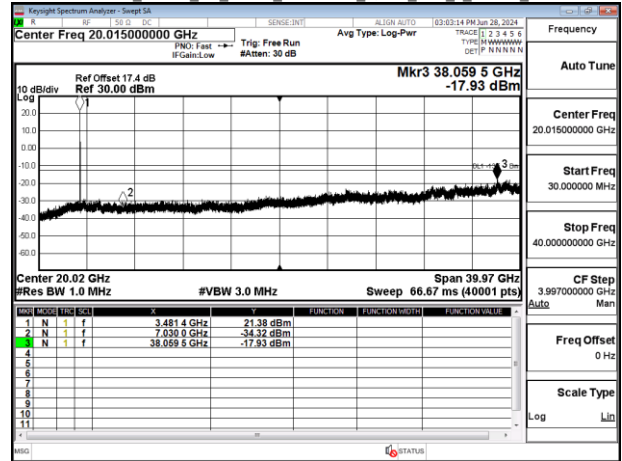
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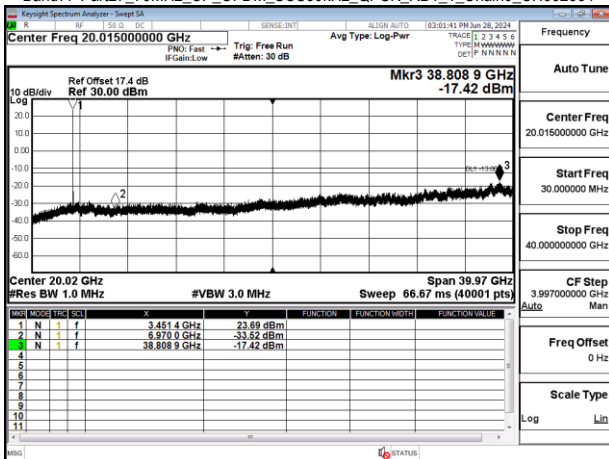
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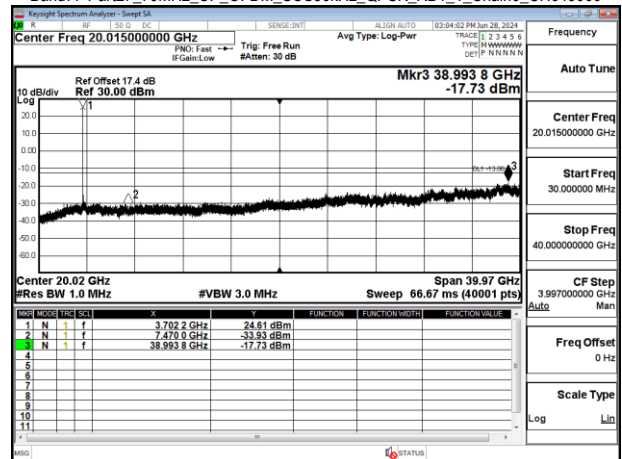
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Band77-Part27_70MHz_CP_OFDM_SCS30kHz_QPSK_RB1_1_Chain0_CH649000



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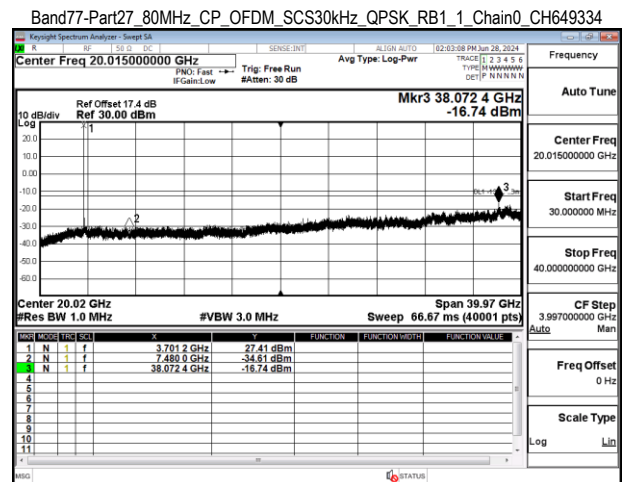
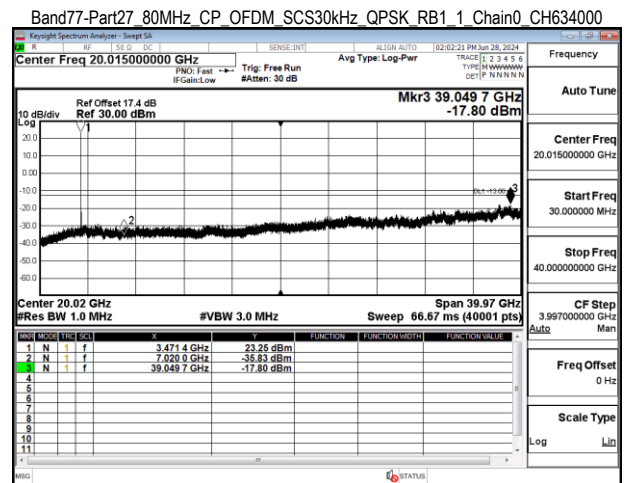
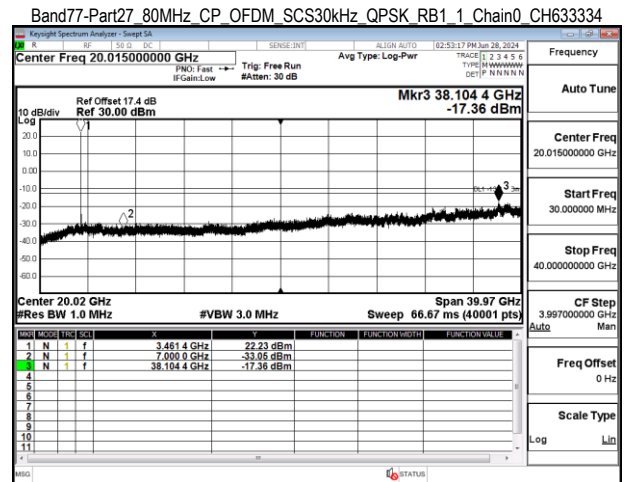
台灣檢驗科技股份有限公司

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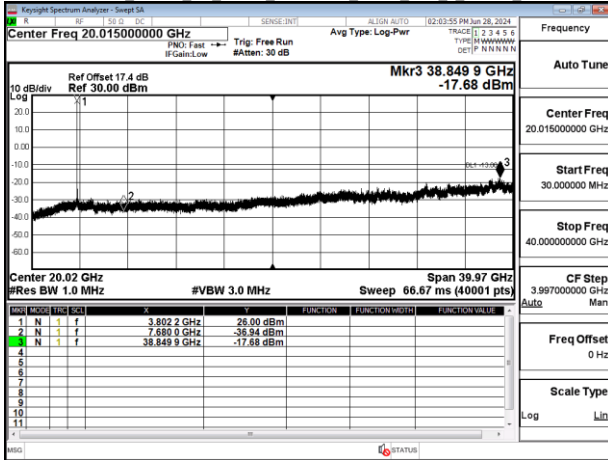
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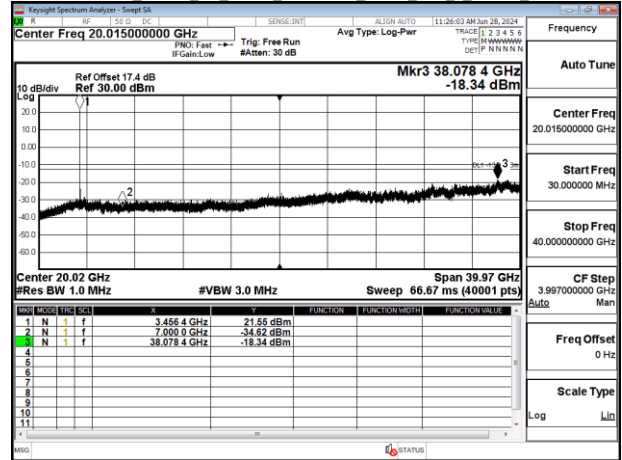


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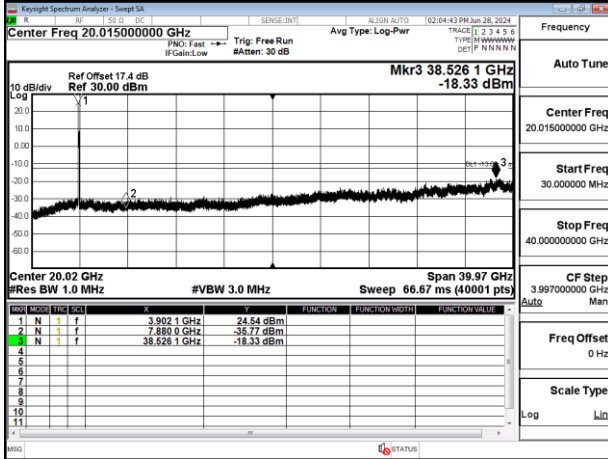
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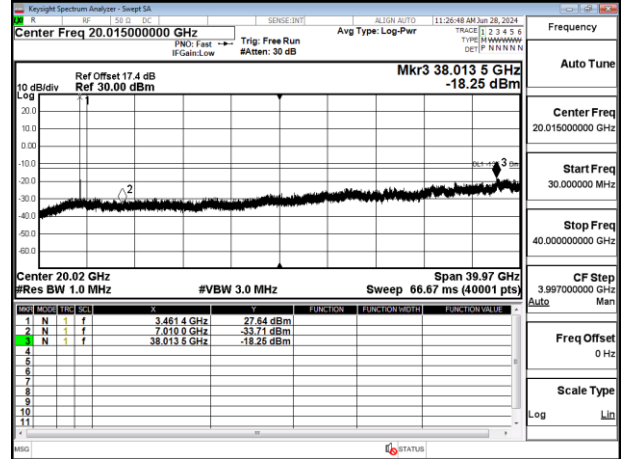
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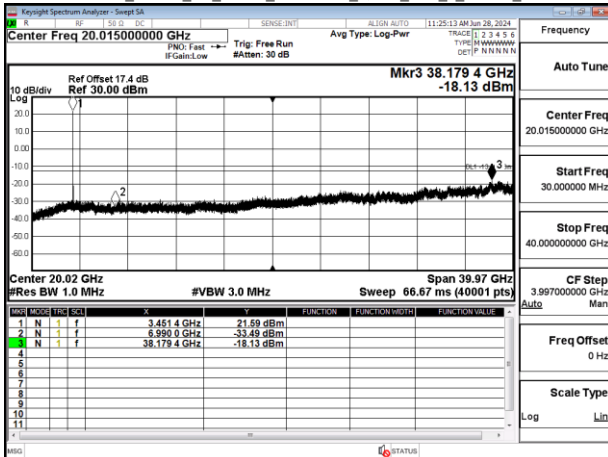
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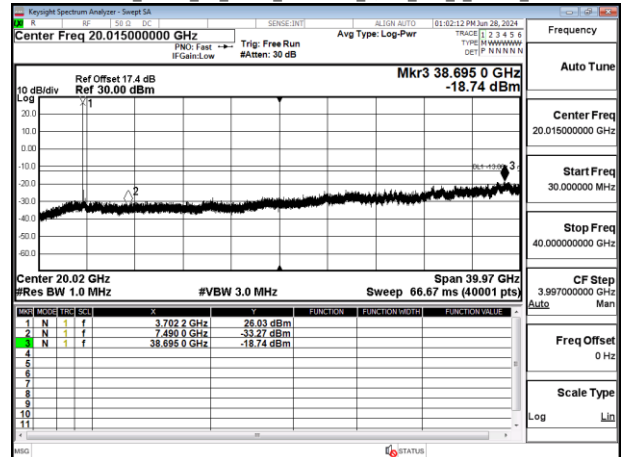
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Band77-Part27_90MHz_CP_OFDM_SCS30kHz_QPSK_RB1_1_Chain0_CH649668



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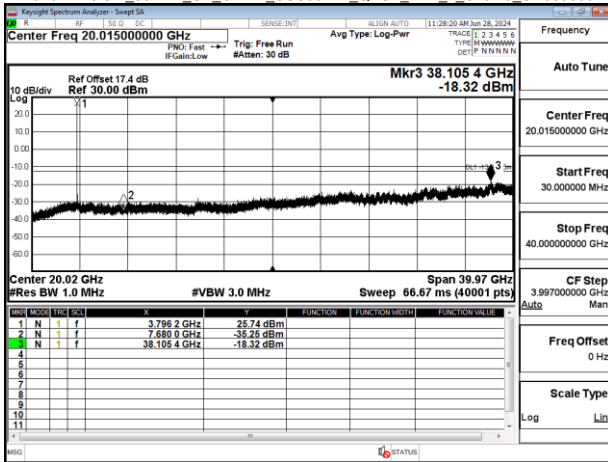
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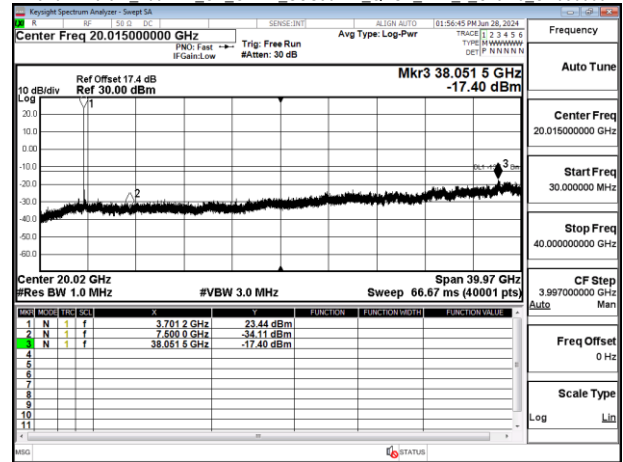
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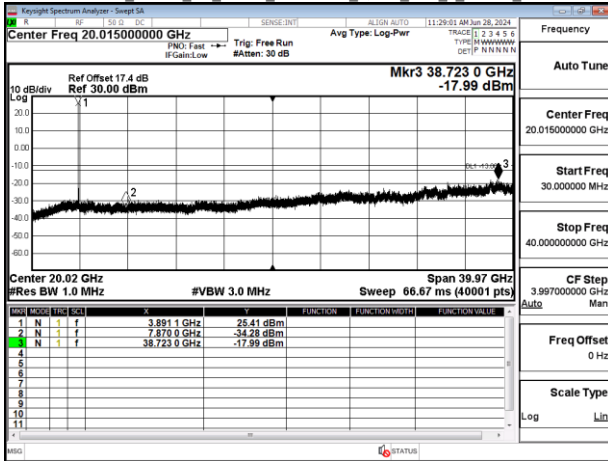
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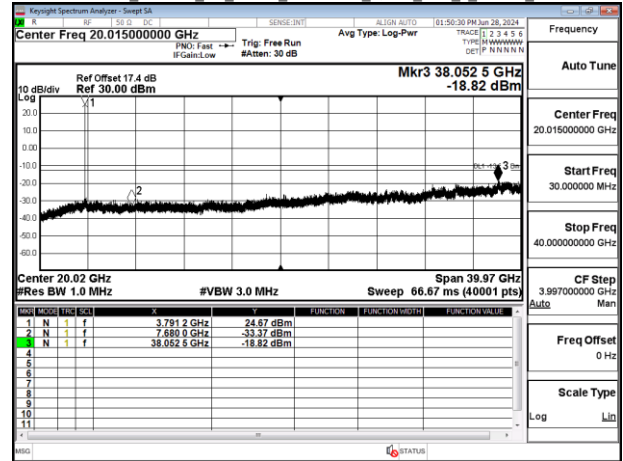
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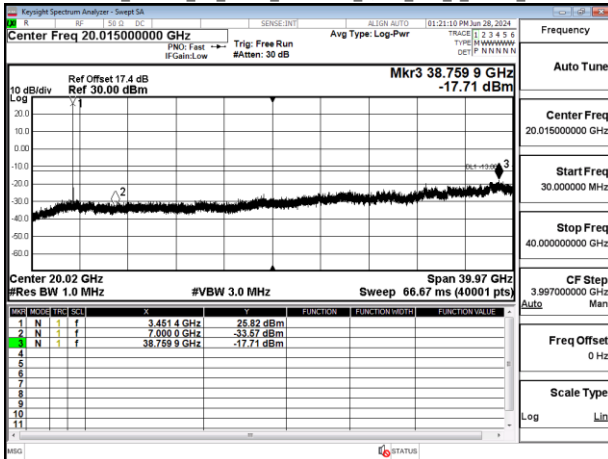
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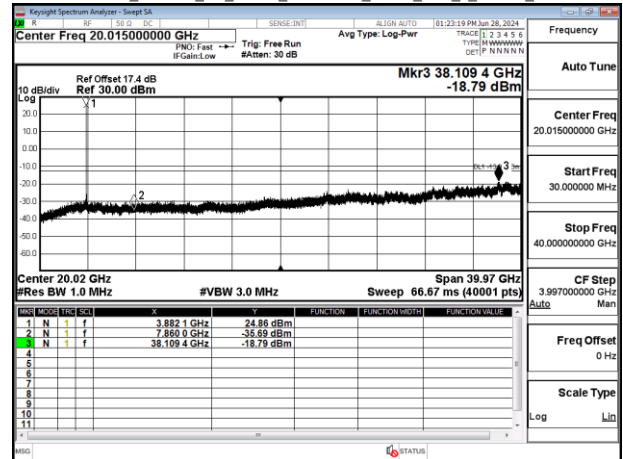
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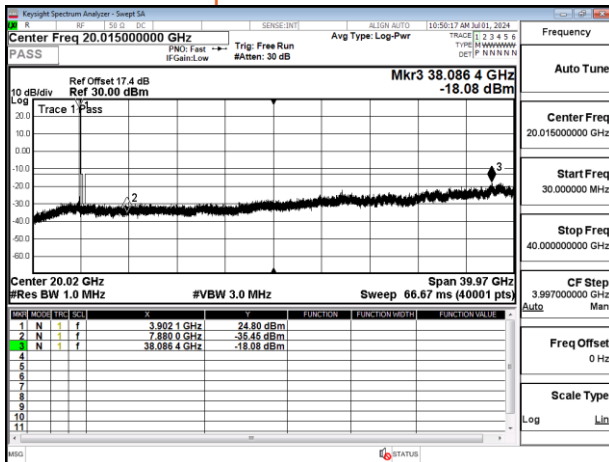
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5 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

Report Number :TERF2405001540E2

Test Site :SAC C

Operation Mode :NR n41

Test Date :2024-06-27

Test Mode :Tx

Temp./Humi. :23.5°C/54%

EUT Pol :E2 Plane

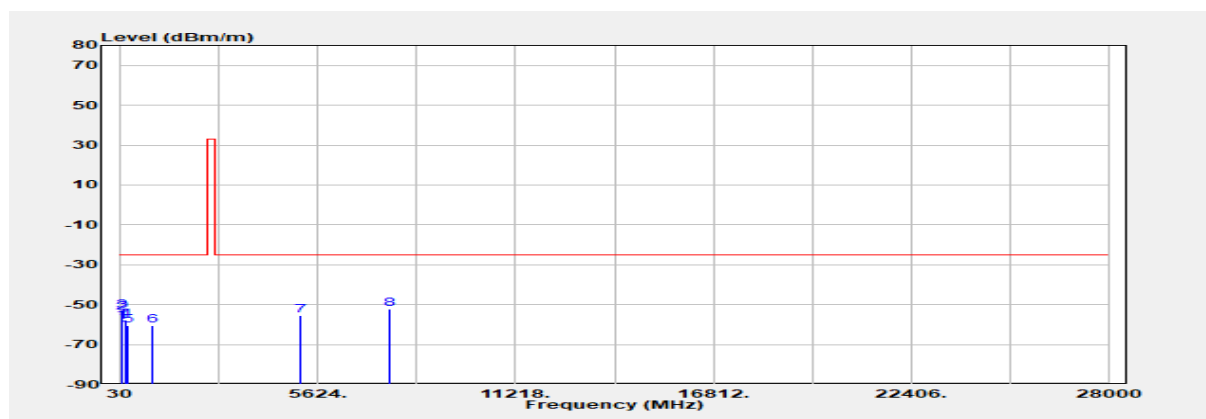
Antenna Pol. :Vertical

Test Frequency :2546.01 MHz

Engineer :Howard Huang

Note :SIM 1

Ant :2TX



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
52.310	-58.24	-46.31	-11.01	-0.92	-25.00	-33.24
66.860	-54.11	-45.96	-7.12	-1.03	-25.00	-29.11
84.320	-53.09	-50.24	-1.70	-1.15	-25.00	-28.09
148.340	-57.72	-54.40	-1.79	-1.53	-25.00	-32.72
201.690	-60.58	-62.86	4.07	-1.79	-25.00	-35.58
943.740	-60.73	-60.31	3.40	-3.82	-25.00	-35.73
5092.020	-55.36	-58.61	12.32	-9.07	-25.00	-30.36
7638.030	-52.21	-52.53	11.45	-11.13	-25.00	-27.21

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2546.01 MHz

Note :SIM 1

Test Site :SAC C

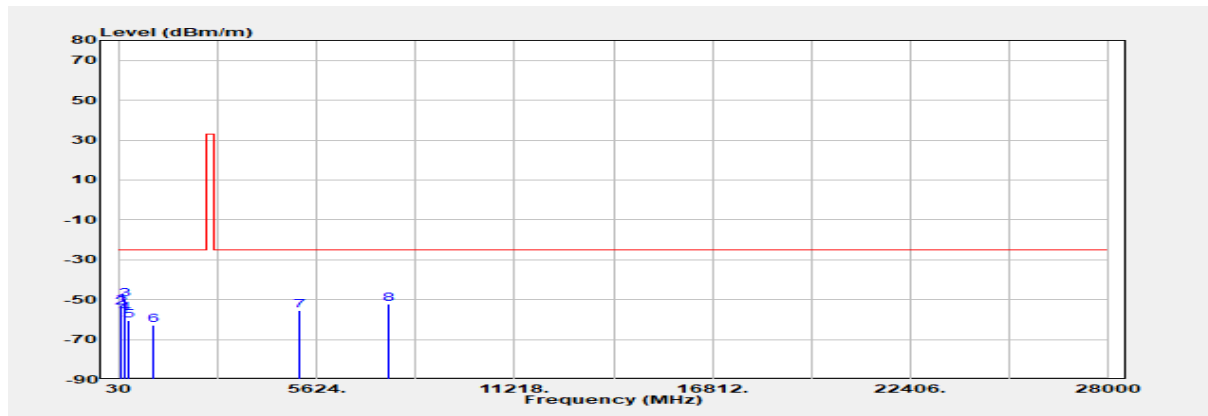
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-52.72	-45.37	-6.29	-1.06	-25.00	-27.72
85.290	-54.24	-51.61	-1.48	-1.15	-25.00	-29.24
148.340	-49.77	-46.45	-1.79	-1.53	-25.00	-24.77
194.900	-56.87	-58.69	3.58	-1.76	-25.00	-31.87
262.800	-60.60	-62.71	4.16	-2.05	-25.00	-35.60
978.660	-62.89	-62.70	3.69	-3.88	-25.00	-37.89
5092.020	-55.41	-58.66	12.32	-9.07	-25.00	-30.41
7638.030	-52.10	-52.42	11.45	-11.13	-25.00	-27.10

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2592.99 MHz

Note :SIM 1

Test Site :SAC C

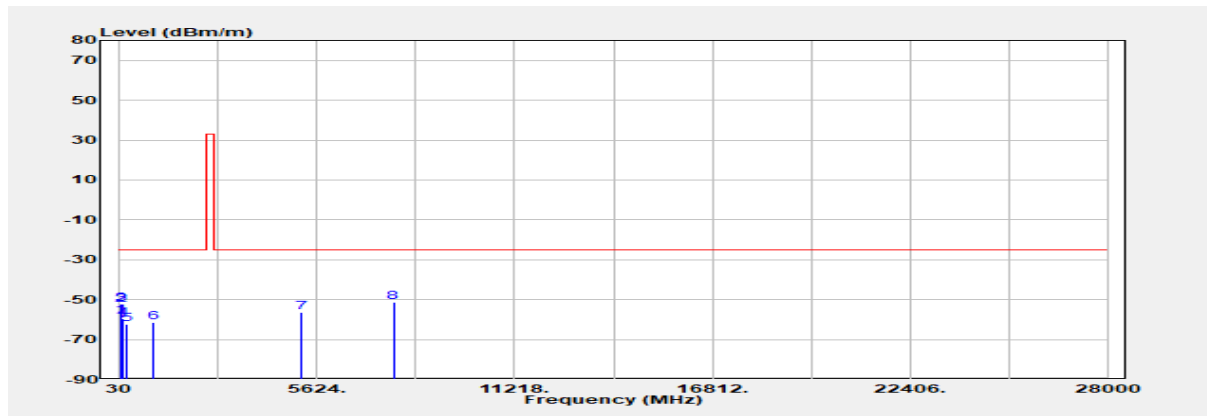
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.280	-58.19	-46.28	-10.98	-0.93	-25.00	-33.19
66.860	-52.66	-44.51	-7.12	-1.03	-25.00	-27.66
83.350	-52.13	-49.12	-1.87	-1.14	-25.00	-27.13
139.610	-59.48	-56.23	-1.76	-1.49	-25.00	-34.48
200.720	-62.22	-64.46	4.03	-1.79	-25.00	-37.22
982.540	-61.36	-61.25	3.78	-3.89	-25.00	-36.36
5185.980	-56.52	-59.94	12.62	-9.20	-25.00	-31.52
7778.970	-51.26	-51.61	11.64	-11.29	-25.00	-26.26

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2592.99 MHz

Note :SIM 1

Test Site :SAC C

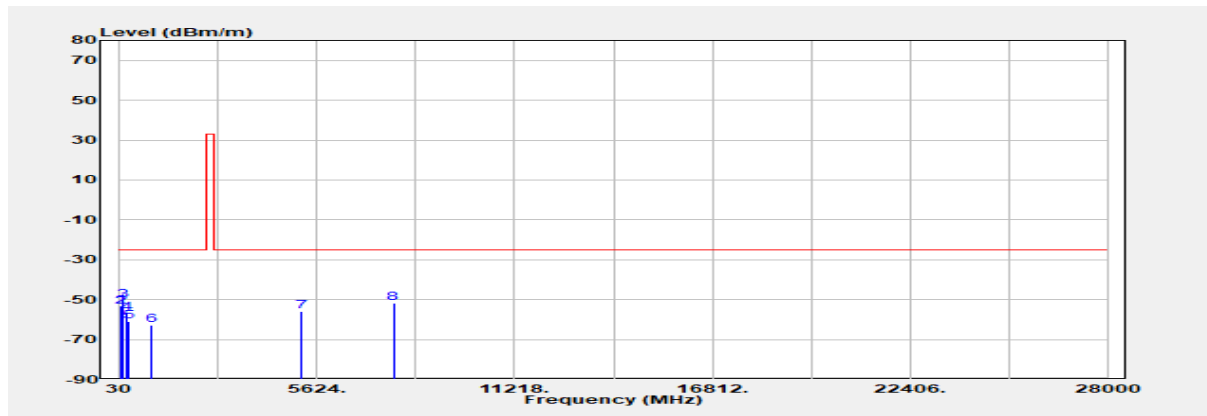
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-53.19	-45.84	-6.29	-1.06	-25.00	-28.19
86.260	-53.53	-51.27	-1.10	-1.16	-25.00	-28.53
129.910	-50.34	-47.37	-1.51	-1.46	-25.00	-25.34
216.240	-56.69	-59.62	4.81	-1.88	-25.00	-31.69
262.800	-61.18	-63.29	4.16	-2.05	-25.00	-36.18
946.650	-62.96	-62.50	3.37	-3.83	-25.00	-37.96
5185.980	-55.91	-59.33	12.62	-9.20	-25.00	-30.91
7778.970	-51.79	-52.14	11.64	-11.29	-25.00	-26.79

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2640 MHz

Note :SIM 1

Test Site :SAC C

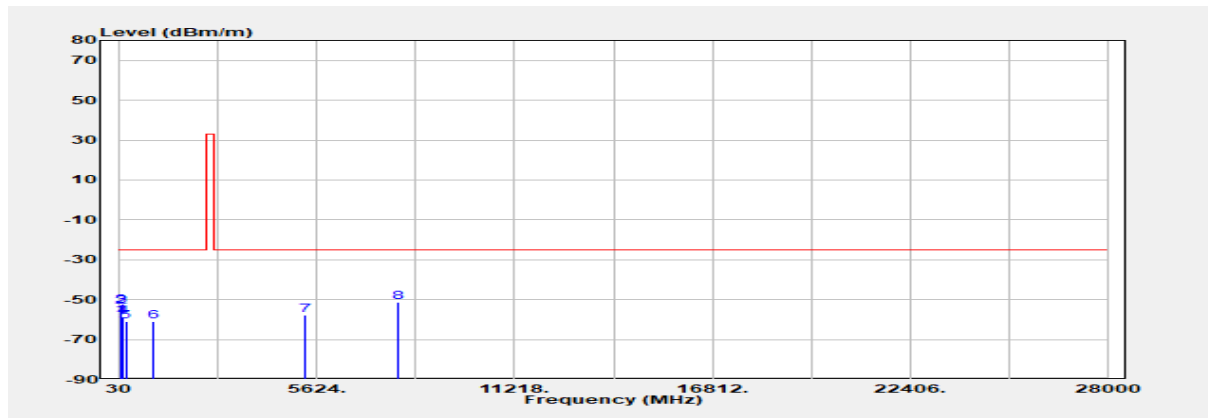
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.280	-58.23	-46.32	-10.98	-0.93	-25.00	-33.23
64.920	-53.52	-44.71	-7.79	-1.02	-25.00	-28.52
85.290	-52.99	-50.36	-1.48	-1.15	-25.00	-27.99
141.550	-58.54	-55.18	-1.86	-1.50	-25.00	-33.54
198.780	-60.89	-63.14	4.03	-1.78	-25.00	-35.89
977.690	-61.13	-60.93	3.68	-3.88	-25.00	-36.13
5280.000	-57.63	-61.57	13.16	-9.22	-25.00	-32.63
7920.000	-51.33	-51.25	11.32	-11.40	-25.00	-26.33

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2640 MHz

Note :SIM 1

Test Site :SAC C

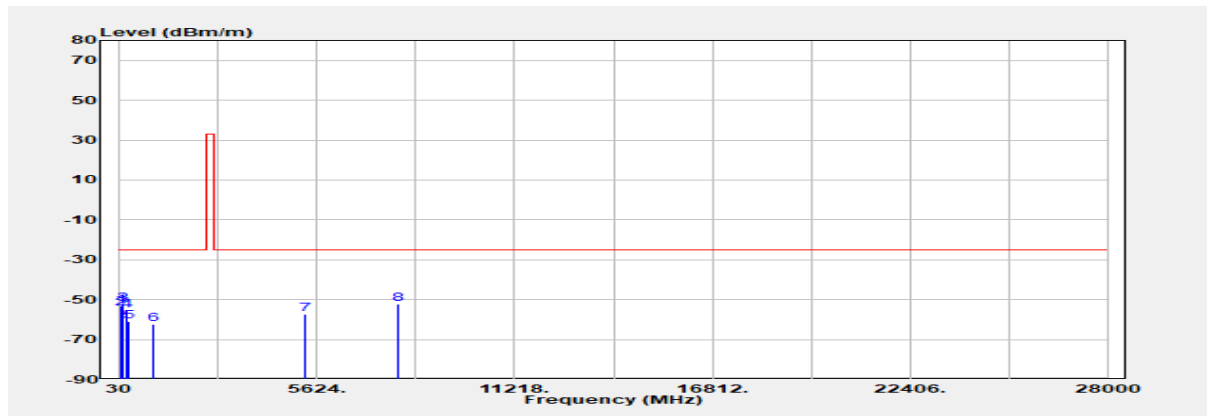
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-53.33	-45.98	-6.29	-1.06	-25.00	-28.33
86.260	-54.54	-52.28	-1.10	-1.16	-25.00	-29.54
137.670	-52.02	-48.90	-1.64	-1.48	-25.00	-27.02
215.270	-55.56	-58.44	4.75	-1.87	-25.00	-30.56
264.740	-61.18	-63.26	4.14	-2.06	-25.00	-36.18
964.110	-62.56	-62.14	3.45	-3.87	-25.00	-37.56
5280.000	-57.20	-61.14	13.16	-9.22	-25.00	-32.20
7920.000	-52.25	-52.17	11.32	-11.40	-25.00	-27.25

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2550 MHz

Note :SIM 1

Test Site :SAC C

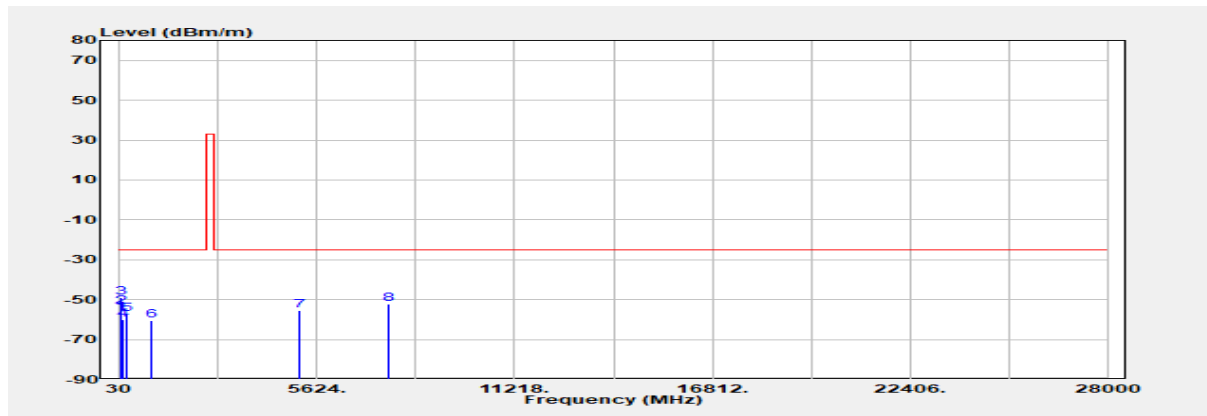
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-56.96	-44.52	-11.55	-0.89	-25.00	-31.96
65.890	-53.58	-45.26	-7.29	-1.03	-25.00	-28.58
84.320	-48.81	-45.96	-1.70	-1.15	-25.00	-23.81
138.640	-59.84	-56.55	-1.81	-1.48	-25.00	-34.84
200.720	-57.34	-59.58	4.03	-1.79	-25.00	-32.34
948.590	-60.63	-60.15	3.35	-3.83	-25.00	-35.63
5100.000	-55.43	-58.64	12.30	-9.09	-25.00	-30.43
7650.000	-52.24	-52.62	11.50	-11.12	-25.00	-27.24

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2550 MHz

Note :SIM 1

Test Site :SAC C

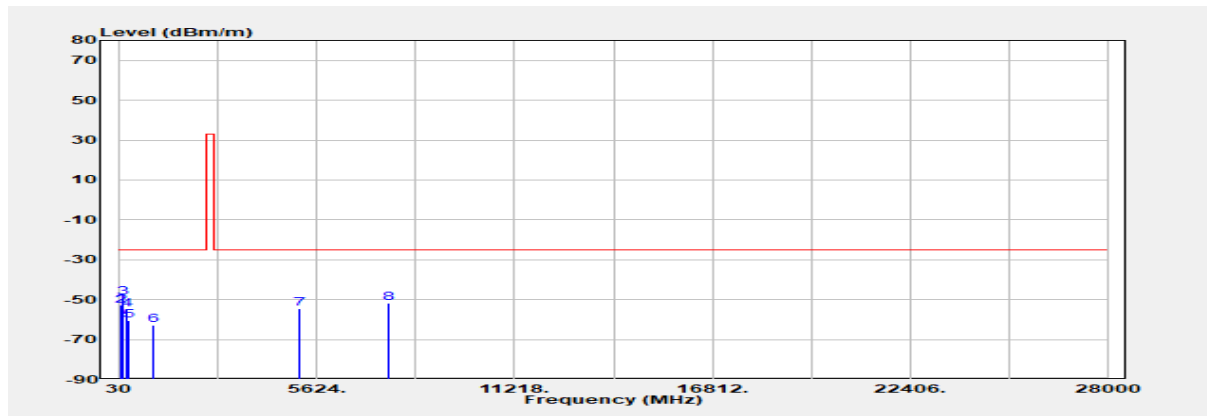
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-52.76	-45.41	-6.29	-1.06	-25.00	-27.76
82.380	-53.21	-49.88	-2.19	-1.14	-25.00	-28.21
132.820	-49.21	-46.24	-1.50	-1.47	-25.00	-24.21
201.690	-54.79	-57.07	4.07	-1.79	-25.00	-29.79
262.800	-60.50	-62.61	4.16	-2.05	-25.00	-35.50
999.030	-62.72	-62.75	3.97	-3.94	-25.00	-37.72
5100.000	-54.32	-57.53	12.30	-9.09	-25.00	-29.32
7650.000	-51.99	-52.37	11.50	-11.12	-25.00	-26.99

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2592.99 MHz

Note :SIM 1

Test Site :SAC C

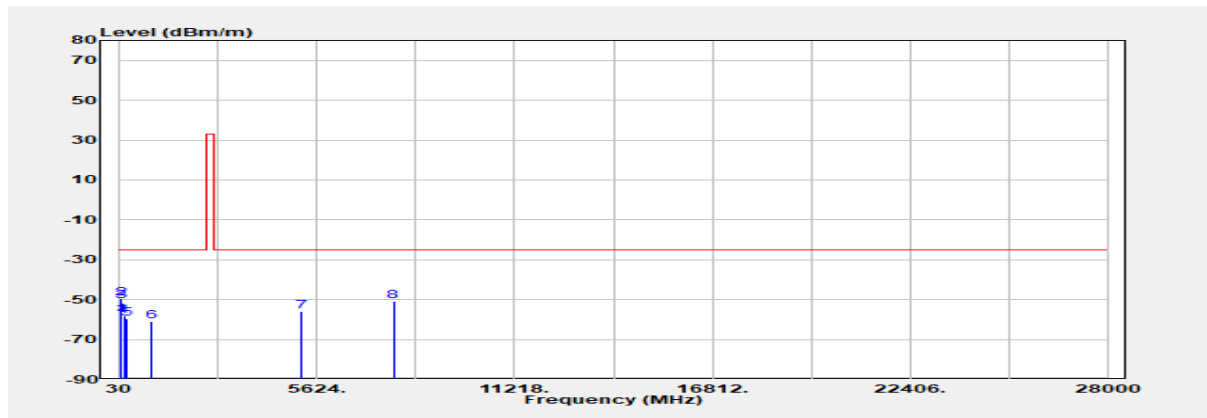
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.280	-57.89	-45.98	-10.98	-0.93	-25.00	-32.89
61.040	-49.48	-39.52	-8.99	-0.97	-25.00	-24.48
84.320	-50.72	-47.87	-1.70	-1.15	-25.00	-25.72
144.460	-58.20	-54.74	-1.93	-1.53	-25.00	-33.20
206.540	-59.62	-62.12	4.31	-1.81	-25.00	-34.62
948.590	-61.16	-60.68	3.35	-3.83	-25.00	-36.16
5185.980	-56.06	-59.48	12.62	-9.20	-25.00	-31.06
7778.970	-50.90	-51.25	11.64	-11.29	-25.00	-25.90

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2592.99 MHz

Note :SIM 1

Test Site :SAC C

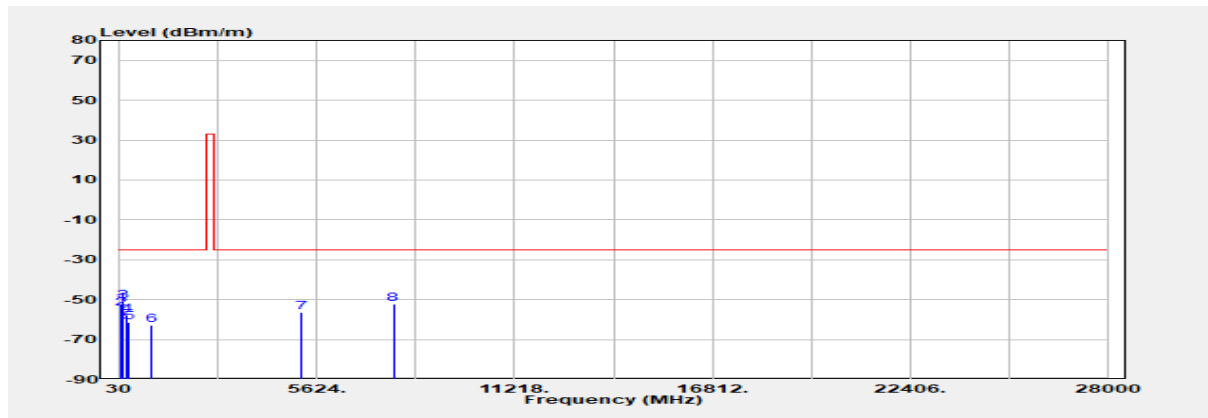
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-52.09	-44.74	-6.29	-1.06	-25.00	-27.09
84.320	-54.47	-51.62	-1.70	-1.15	-25.00	-29.47
140.580	-50.92	-47.65	-1.78	-1.49	-25.00	-25.92
199.750	-57.87	-60.09	4.01	-1.79	-25.00	-32.87
262.800	-61.39	-63.50	4.16	-2.05	-25.00	-36.39
940.830	-62.79	-62.40	3.43	-3.82	-25.00	-37.79
5185.980	-56.36	-59.78	12.62	-9.20	-25.00	-31.36
7778.970	-52.06	-52.41	11.64	-11.29	-25.00	-27.06

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2640 MHz

Note :SIM 1

Test Site :SAC C

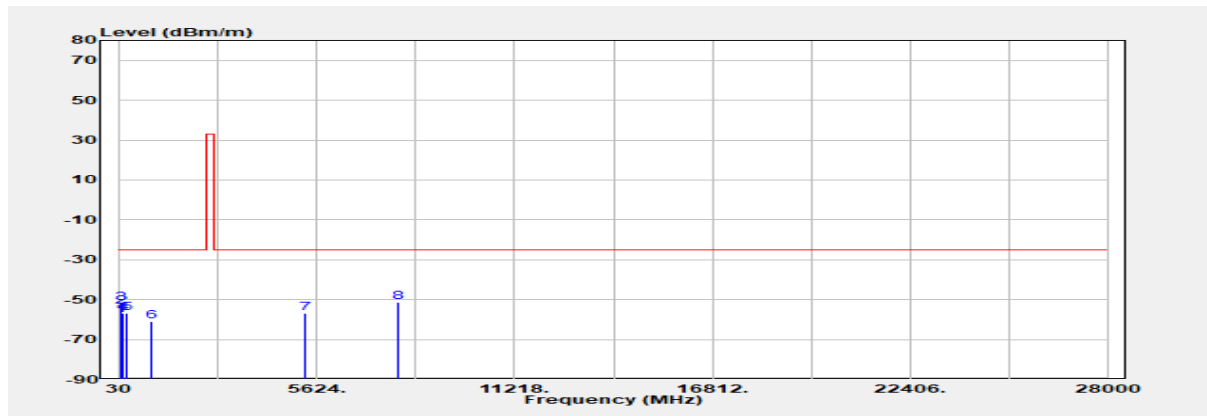
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.280	-57.59	-45.68	-10.98	-0.93	-25.00	-32.59
66.860	-53.67	-45.52	-7.12	-1.03	-25.00	-28.67
84.320	-51.56	-48.71	-1.70	-1.15	-25.00	-26.56
135.730	-57.05	-53.94	-1.64	-1.47	-25.00	-32.05
201.690	-56.80	-59.08	4.07	-1.79	-25.00	-31.80
944.710	-61.19	-60.76	3.39	-3.82	-25.00	-36.19
5280.000	-56.77	-60.71	13.16	-9.22	-25.00	-31.77
7920.000	-51.24	-51.16	11.32	-11.40	-25.00	-26.24

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Report Number :TERF2405001540E2

Operation Mode :NR n41

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :2640 MHz

Note :SIM 1

Test Site :SAC C

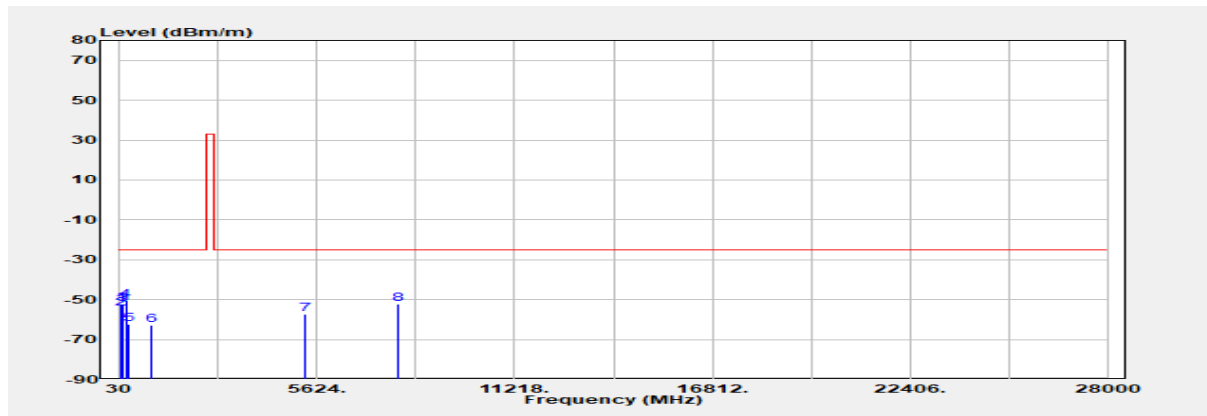
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.800	-52.54	-44.86	-6.63	-1.05	-25.00	-27.54
86.260	-54.37	-52.11	-1.10	-1.16	-25.00	-29.37
140.580	-52.28	-49.01	-1.78	-1.49	-25.00	-27.28
198.780	-50.23	-52.48	4.03	-1.78	-25.00	-25.23
263.770	-62.24	-64.34	4.15	-2.05	-25.00	-37.24
926.280	-62.95	-62.74	3.59	-3.80	-25.00	-37.95
5280.000	-57.48	-61.42	13.16	-9.22	-25.00	-32.48
7920.000	-52.08	-52.00	11.32	-11.40	-25.00	-27.08

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3500.01 MHz

Note :SIM 1

Test Site :SAC C

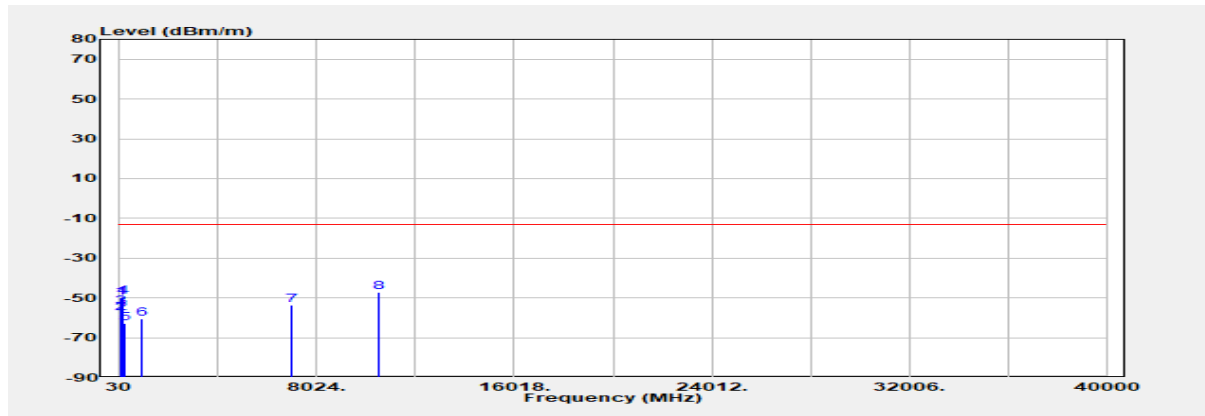
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-49.93	-37.49	-11.55	-0.89	-13.00	-36.93
67.830	-57.77	-49.74	-6.99	-1.04	-13.00	-44.77
79.470	-54.33	-50.18	-3.02	-1.13	-13.00	-41.33
137.670	-49.62	-46.50	-1.64	-1.48	-13.00	-36.62
197.810	-62.72	-64.84	3.90	-1.78	-13.00	-49.72
951.500	-60.66	-60.17	3.35	-3.84	-13.00	-47.66
7000.020	-53.40	-54.45	11.70	-10.65	-13.00	-40.40
10500.030	-47.35	-45.64	11.40	-13.11	-13.00	-34.35

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3500.01 MHz

Note :SIM 1

Test Site :SAC C

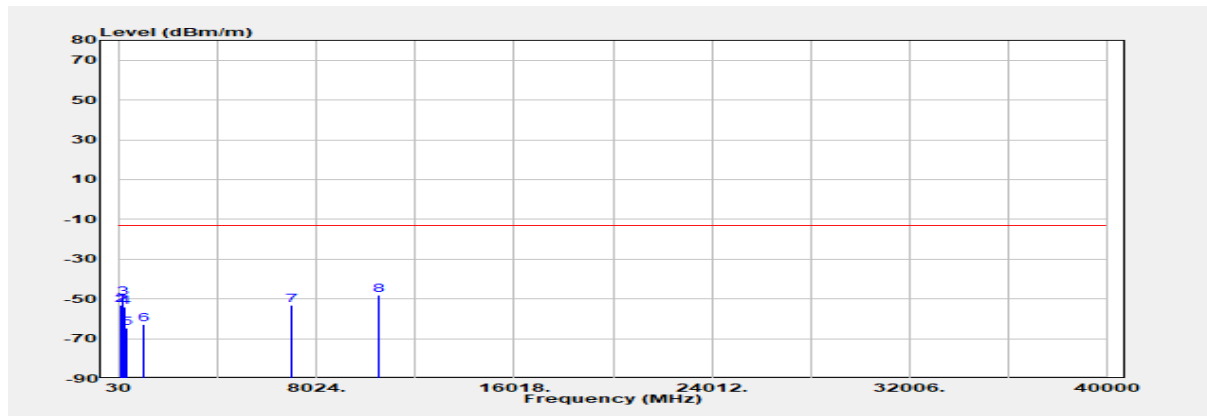
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
65.890	-53.00	-44.68	-7.29	-1.03	-13.00	-40.00
86.260	-53.31	-51.05	-1.10	-1.16	-13.00	-40.31
140.580	-49.67	-46.40	-1.78	-1.49	-13.00	-36.67
198.780	-54.22	-56.47	4.03	-1.78	-13.00	-41.22
301.600	-64.61	-66.55	4.14	-2.20	-13.00	-51.61
996.120	-62.64	-62.65	3.95	-3.94	-13.00	-49.64
7000.020	-53.19	-54.24	11.70	-10.65	-13.00	-40.19
10500.030	-48.02	-46.31	11.40	-13.11	-13.00	-35.02

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3750 MHz

Note :SIM 1

Test Site :SAC C

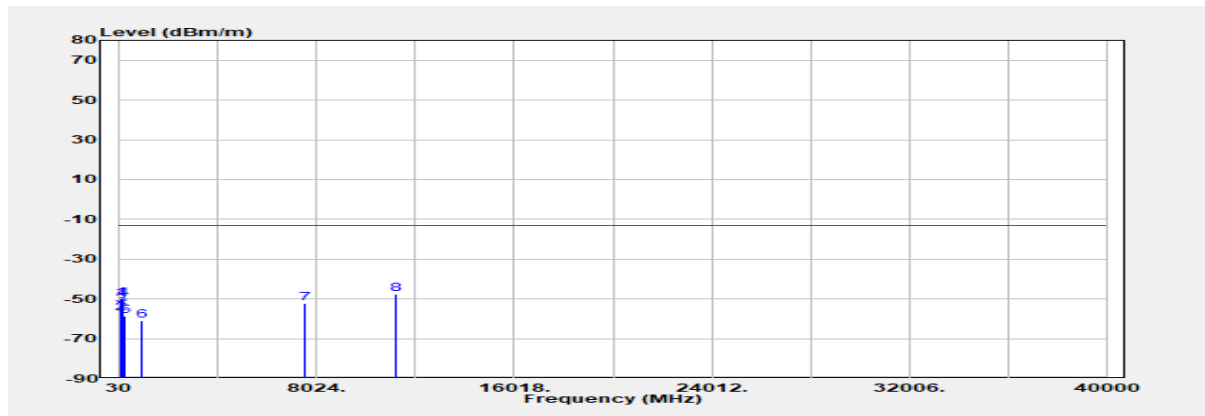
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-49.95	-37.51	-11.55	-0.89	-13.00	-36.95
68.800	-57.25	-49.57	-6.63	-1.05	-13.00	-44.25
79.470	-53.10	-48.95	-3.02	-1.13	-13.00	-40.10
139.610	-50.08	-46.83	-1.76	-1.49	-13.00	-37.08
203.630	-58.77	-61.13	4.16	-1.80	-13.00	-45.77
943.740	-60.83	-60.41	3.40	-3.82	-13.00	-47.83
7500.000	-52.17	-52.18	11.10	-11.09	-13.00	-39.17
11250.000	-47.40	-45.50	11.80	-13.70	-13.00	-34.40

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3750 MHz

Note :SIM 1

Test Site :SAC C

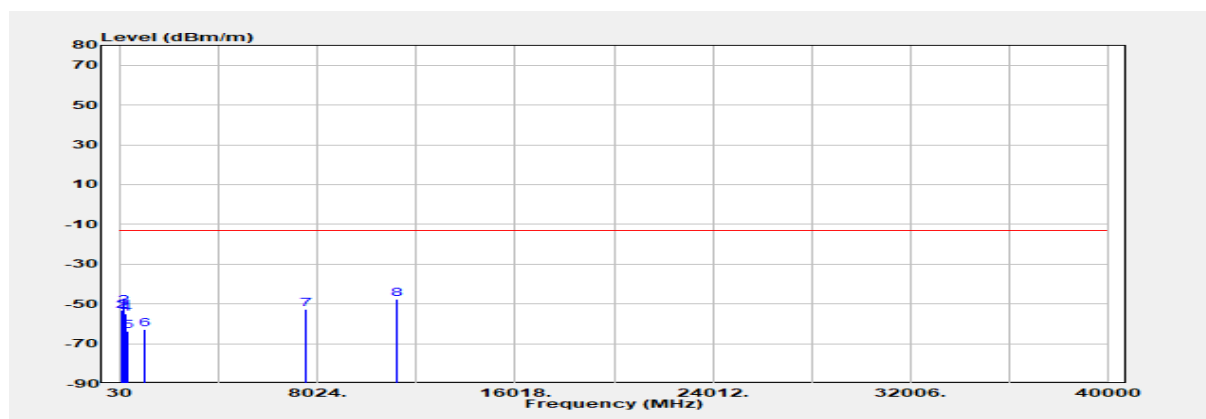
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
65.890	-52.97	-44.65	-7.29	-1.03	-13.00	-39.97
87.230	-53.72	-51.52	-1.03	-1.17	-13.00	-40.72
147.370	-51.29	-47.79	-1.97	-1.53	-13.00	-38.29
203.630	-55.01	-57.37	4.16	-1.80	-13.00	-42.01
299.660	-63.57	-65.50	4.12	-2.19	-13.00	-50.57
995.150	-62.59	-62.59	3.94	-3.94	-13.00	-49.59
7500.000	-52.91	-52.92	11.10	-11.09	-13.00	-39.91
11250.000	-47.58	-45.68	11.80	-13.70	-13.00	-34.58

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3840 MHz

Note :SIM 1

Test Site :SAC C

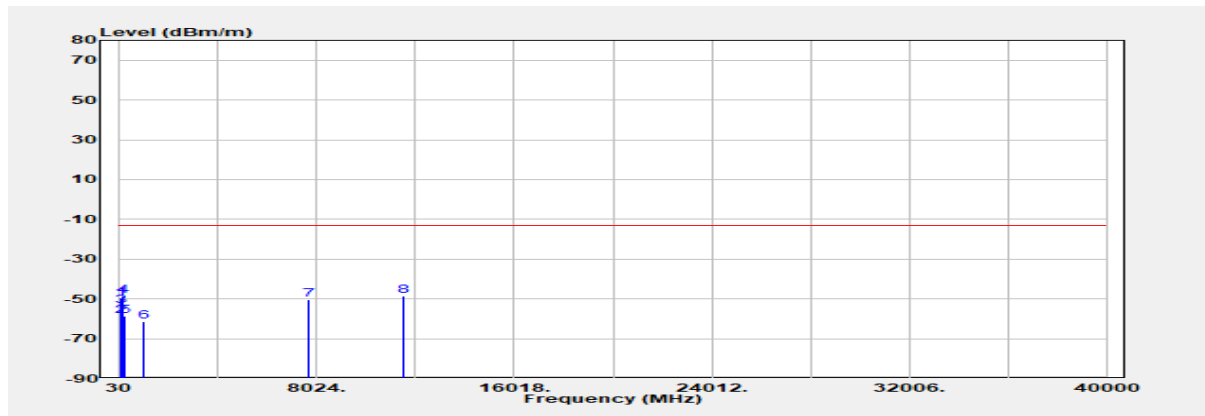
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-49.88	-37.44	-11.55	-0.89	-13.00	-36.88
68.800	-58.71	-51.03	-6.63	-1.05	-13.00	-45.71
79.470	-53.57	-49.42	-3.02	-1.13	-13.00	-40.57
144.460	-48.67	-45.21	-1.93	-1.53	-13.00	-35.67
202.660	-58.84	-61.16	4.12	-1.80	-13.00	-45.84
997.090	-61.38	-61.40	3.96	-3.94	-13.00	-48.38
7680.000	-50.23	-50.63	11.56	-11.16	-13.00	-37.23
11520.000	-48.56	-46.23	11.50	-13.83	-13.00	-35.56

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3840 MHz

Note :SIM 1

Test Site :SAC C

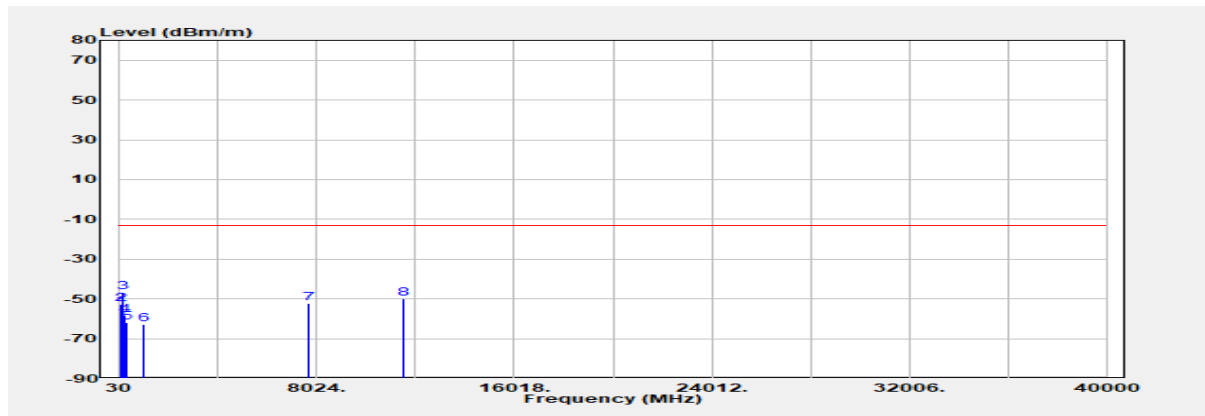
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.860	-53.87	-45.72	-7.12	-1.03	-13.00	-40.87
86.260	-52.79	-50.53	-1.10	-1.16	-13.00	-39.79
145.430	-46.81	-43.43	-1.85	-1.53	-13.00	-33.81
202.660	-58.16	-60.48	4.12	-1.80	-13.00	-45.16
295.780	-61.94	-63.87	4.09	-2.16	-13.00	-48.94
996.120	-62.74	-62.75	3.95	-3.94	-13.00	-49.74
7680.000	-52.09	-52.49	11.56	-11.16	-13.00	-39.09
11520.000	-49.98	-47.65	11.50	-13.83	-13.00	-36.98

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3930 MHz

Note :SIM 1

Test Site :SAC C

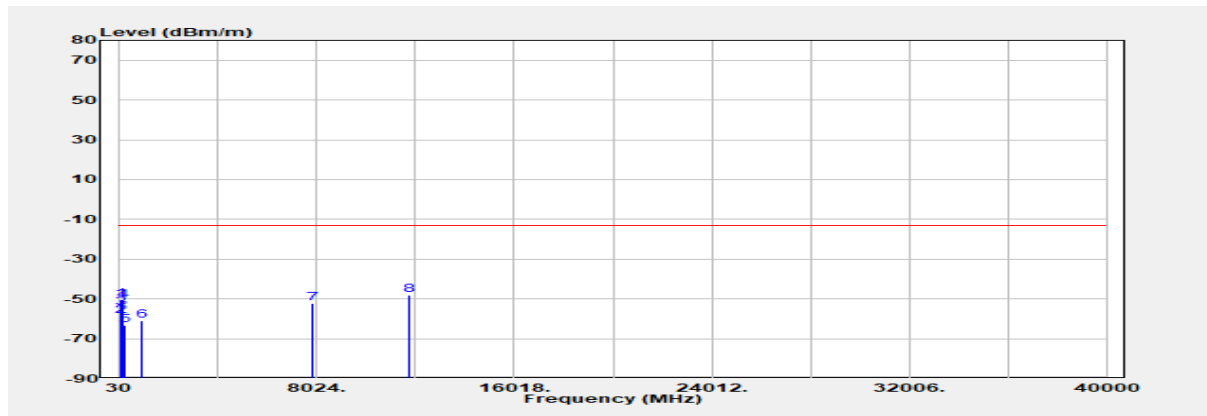
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Vertical

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
51.340	-50.32	-38.04	-11.37	-0.91	-13.00	-37.32
67.830	-58.44	-50.41	-6.99	-1.04	-13.00	-45.44
79.470	-54.40	-50.25	-3.02	-1.13	-13.00	-41.40
137.670	-50.69	-47.57	-1.64	-1.48	-13.00	-37.69
194.900	-63.10	-64.92	3.58	-1.76	-13.00	-50.10
949.560	-61.15	-60.65	3.34	-3.84	-13.00	-48.15
7860.000	-52.28	-52.48	11.56	-11.36	-13.00	-39.28
11790.000	-48.30	-46.80	12.58	-14.08	-13.00	-35.30

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Report Number :TERF2405001540E2

Operation Mode :NR n77

Test Mode :Tx

EUT Pol :E2 Plane

Test Frequency :3930 MHz

Note :SIM 1

Test Site :SAC C

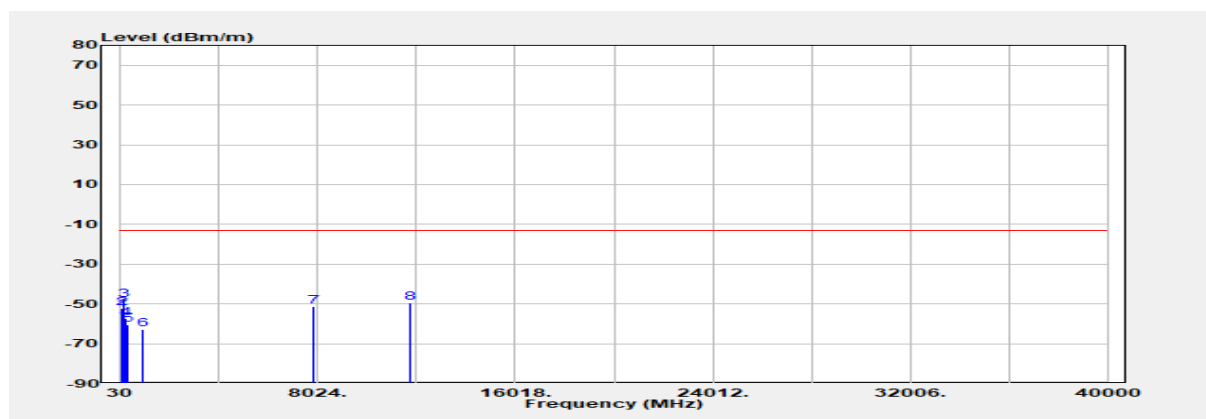
Test Date :2024-06-27

Temp./Humi. :23.5°C/54%

Antenna Pol. :Horizontal

Engineer :Howard Huang

Ant :2TX



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
74.620	-53.18	-47.39	-4.67	-1.12	-13.00	-40.18
83.350	-52.12	-49.11	-1.87	-1.14	-13.00	-39.12
148.340	-47.94	-44.62	-1.79	-1.53	-13.00	-34.94
195.870	-57.43	-59.37	3.71	-1.77	-13.00	-44.43
294.810	-60.54	-62.46	4.08	-2.16	-13.00	-47.54
949.560	-62.71	-62.21	3.34	-3.84	-13.00	-49.71
7860.000	-51.51	-51.71	11.56	-11.36	-13.00	-38.51
11790.000	-49.30	-47.80	12.58	-14.08	-13.00	-36.30

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6 FREQUENCY STABILITY MEASUREMENT

Note: The DC Power is rated 3.7V dc.

5G NR BAND n41				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	518598		Frequency(MHz):	2592.99
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
4.255	20	2592.989998	-2	6482
3.7	20	2592.989989	-11	6482
3.145	20	2592.990007	7	6482
0	20	2592.990003	3	6482
(End Point)				
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
3.7	-30	2592.990007	7	6482
3.7	-20	2592.990008	8	6482
3.7	-10	2592.989995	-5	6482
3.7	0	2592.989988	-12	6482
3.7	10	2592.989994	-6	6482
3.7	20	2592.990003	3	6482
3.7	30	2592.990008	8	6482
3.7	40	2592.990007	7	6482
3.7	50	2592.990000	0	6482

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5G NR BAND n77 Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	656000		Frequency(MHz):	3840.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
4.255	20	3839.999989	-11	9600
3.7	20	3840.000007	7	9600
3.145	20	3840.000000	0	9600
0 (End Point)	20	3839.999988	-12	9600
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
3.7	-30	3840.000015	15	9600
3.7	-20	3840.000010	10	9600
3.7	-10	3839.999983	-17	9600
3.7	0	3840.000017	17	9600
3.7	10	3839.999996	-5	9600
3.7	20	3839.999980	-20	9600
3.7	30	3840.000010	10	9600
3.7	40	3839.999997	-3	9600
3.7	50	3840.000008	8	9600

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7 PEAK TO AVERAGE RATION

5G NR BAND n41									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 20MHz					Channel bandwidth: 30MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
2506.02	501204	TX1	11.25	13	2511.00	502200	TX1	11.54	13
		TX2	11.82				TX2	11.84	
2510.01	502002	TX1	11.62	13	2515.02	503004	TX1	11.87	13
		TX2	11.31				TX2	12.46	
2592.99	518598	TX1	12.13	13	2592.99	518598	TX1	11.43	13
		TX2	11.23				TX2	11.37	
2679.99	535998	TX1	12.04	13	2674.98	534996	TX1	12.38	13
		TX2	12.14				TX2	11.98	
5G NR BAND n41									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 40MHz					Channel bandwidth: 50MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
2516.01	503202	TX1	11.78	13	2521.02	504204	TX1	11.88	13
		TX2	12.04				TX2	12.23	
2520.00	504000	TX1	11.80	13	2525.01	505002	TX1	11.94	13
		TX2	11.70				TX2	11.67	
2592.99	518598	TX1	12.60	13	2592.99	518598	TX1	11.08	13
		TX2	12.83				TX2	11.95	
2670.00	534000	TX1	11.73	13	2664.99	532998	TX1	12.05	13
		TX2	11.61				TX2	11.46	
5G NR BAND n41									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 60MHz					Channel bandwidth: 70MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
2526.00	505200	TX1	12.16	13	2531.01	506202	TX1	-	13
		TX2	11.89				TX2	-	
2530.02	506004	TX1	12.73	13	2535.00	507000	TX1	-	13
		TX2	12.18				TX2	-	
2592.99	518598	TX1	12.32	13	2592.99	518598	TX1	-	13
		TX2	11.72				TX2	-	
2659.98	531996	TX1	12.72	13	2655.00	531000	TX1	-	13
		TX2	12.26				TX2	-	
5G NR BAND n41									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 80MHz					Channel bandwidth: 90MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
2536.02	507204	TX1	12.54	13	2541.00	508200	TX1	12.80	13
		TX2	12.20				TX2	11.76	
2540.01	508002	TX1	11.70	13	2545.02	509004	TX1	12.35	13
		TX2	12.20				TX2	12.42	
2592.99	518598	TX1	12.54	13	2592.99	518598	TX1	12.22	13
		TX2	11.39				TX2	11.95	
2649.99	529998	TX1	12.05	13	2644.98	528996	TX1	11.95	13
		TX2	12.09				TX2	12.28	
5G NR BAND n41									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 100MHz									
Freq. (MHz)	CH	Antenna	PAPR (dB)					PAPR (dB)	
			256QAM	Limit				256QAM	Limit
2546.01	509202	TX1	11.12	13					
		TX2	11.87						
2550.00	510000	TX1	12.15	13					
		TX2	11.84						
2592.99	518598	TX1	11.69	13					
		TX2	12.02						
2640.00	528000	TX1	12.59	13					
		TX2	12.52						

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5G NR BAND n77 Part27(3450 to 3550 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 20MHz					Channel bandwidth: 25MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3460.02	630668	TX1	11.46	13	3462.51	630834	TX1	-	13
		TX2	11.89				TX2	-	
3500.01	633334	TX1	11.89	13	3500.01	633334	TX1	-	13
		TX2	12.25				TX2	-	
3540.00	636000	TX1	10.96	13	3537.51	635834	TX1	-	13
		TX2	11.06				TX2	-	
5G NR BAND n77 Part27(3450 to 3550 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 30MHz					Channel bandwidth: 40MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3465.00	631000	TX1	11.95	13	3470.01	631334	TX1	12.60	13
		TX2	11.79				TX2	12.74	
3500.01	633334	TX1	12.66	13	3500.01	633334	TX1	11.48	13
		TX2	12.10				TX2	11.40	
3534.99	635666	TX1	11.97	13	3529.98	635332	TX1	12.04	13
		TX2	11.80				TX2	12.16	
5G NR BAND n77 Part27(3450 to 3550 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 50MHz					Channel bandwidth: 60MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3475.02	631668	TX1	11.23	13	3480.00	632000	TX1	12.25	13
		TX2	12.85				TX2	12.17	
3500.01	633334	TX1	11.98	13	3500.01	633334	TX1	12.44	13
		TX2	12.94				TX2	12.81	
3525.00	635000	TX1	11.38	13	3519.99	634666	TX1	11.66	13
		TX2	12.97				TX2	12.83	
5G NR BAND n77 Part27(3450 to 3550 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 70MHz					Channel bandwidth: 80MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3485.01	632334	TX1	12.08	13	3490.02	632668	TX1	11.68	13
		TX2	12.23				TX2	12.18	
3500.01	633334	TX1	11.63	13	3500.01	633334	TX1	11.91	13
		TX2	12.64				TX2	12.21	
3514.98	634332	TX1	12.58	13	3510.00	634000	TX1	11.75	13
		TX2	12.70				TX2	11.94	
5G NR BAND n77 Part27(3450 to 3550 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 90MHz					Channel bandwidth: 100MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3495.00	633000	TX1	12.19	13					
		TX2	12.49						
3500.01	633334	TX1	11.89	13	3500.01	633334	TX1	12.30	13
		TX2	12.53				TX2	12.58	
3504.99	633666	TX1	11.45	13					
		TX2	11.93						
5G NR BAND n77 Part27(3700 to 3980 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 20MHz					Channel bandwidth: 25MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3710.01	647334	TX1	11.87	13	3712.50	647500	TX1	-	13
		TX2	12.69				TX2	-	
3840.00	656000	TX1	12.09	13	3840.00	656000	TX1	-	13
		TX2	11.58				TX2	-	
3969.99	664666	TX1	12.28	13	3967.50	664500	TX1	-	13
		TX2	11.07				TX2	-	

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5G NR BAND n77 Part27(3700 to 3980 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 30MHz					Channel bandwidth: 40MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3715.02	647668	TX1	12.05	13	3720.00	648000	TX1	11.68	13
		TX2	12.98				TX2	12.01	
3840.00	656000	TX1	12.31	13	3840.00	656000	TX1	12.52	13
		TX2	12.60				TX2	11.53	
3964.98	664332	TX1	12.50	13	3960.00	664000	TX1	11.70	13
		TX2	12.24				TX2	11.76	
5G NR BAND n77 Part27(3700 to 3980 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 50MHz					Channel bandwidth: 60MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3725.01	648334	TX1	11.88	13	3730.02	648668	TX1	11.51	13
		TX2	12.03				TX2	12.56	
3840.00	656000	TX1	11.53	13	3840.00	656000	TX1	11.93	13
		TX2	11.98				TX2	11.98	
3954.99	663666	TX1	12.42	13	3949.98	663332	TX1	11.36	13
		TX2	11.89				TX2	12.33	
5G NR BAND n77 Part27(3700 to 3980 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 70MHz					Channel bandwidth: 80MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3735.00	649000	TX1	12.41	13	3740.01	649334	TX1	12.35	13
		TX2	12.12				TX2	12.55	
3840.00	656000	TX1	12.30	13	3840.00	656000	TX1	12.30	13
		TX2	11.55				TX2	12.44	
3945.00	663000	TX1	12.20	13	3939.99	662666	TX1	12.65	13
		TX2	12.07				TX2	12.09	
5G NR BAND n77 Part27(3700 to 3980 MHz)									
CP-OFDM_SCS 30 kHz									
Channel bandwidth: 90MHz					Channel bandwidth: 100MHz				
Freq. (MHz)	CH	Antenna	PAPR (dB)		Freq. (MHz)	CH	Antenna	PAPR (dB)	
			256QAM	Limit				256QAM	Limit
3745.02	649668	TX1	12.30	13	3750.00	650000	TX1	11.77	13
		TX2	12.12				TX2	12.18	
3840.00	656000	TX1	11.88	13	3840.00	656000	TX1	12.08	13
		TX2	12.14				TX2	11.88	
3934.98	662332	TX1	11.85	13	3930.00	662000	TX1	12.06	13
		TX2	11.74				TX2	12.26	

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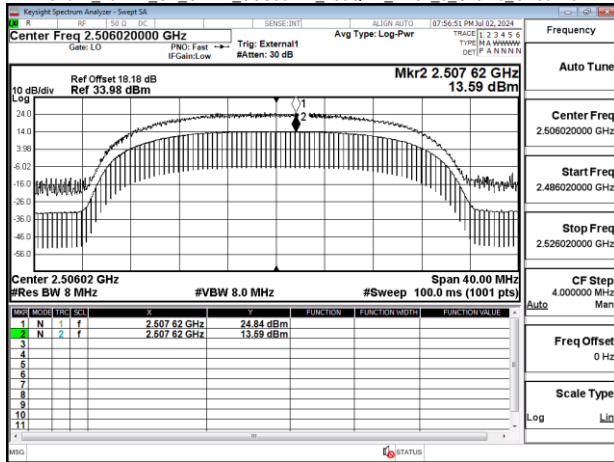
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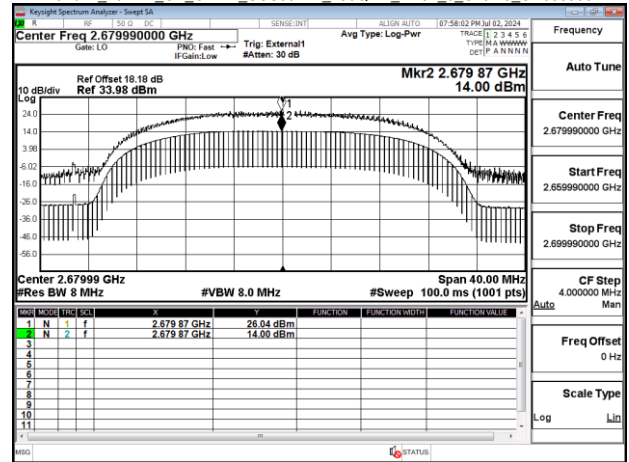
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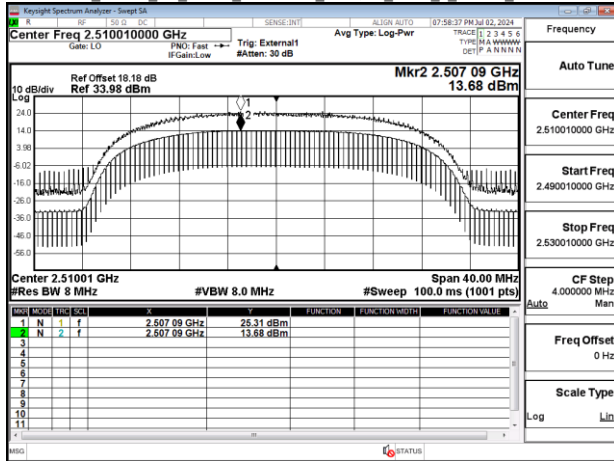
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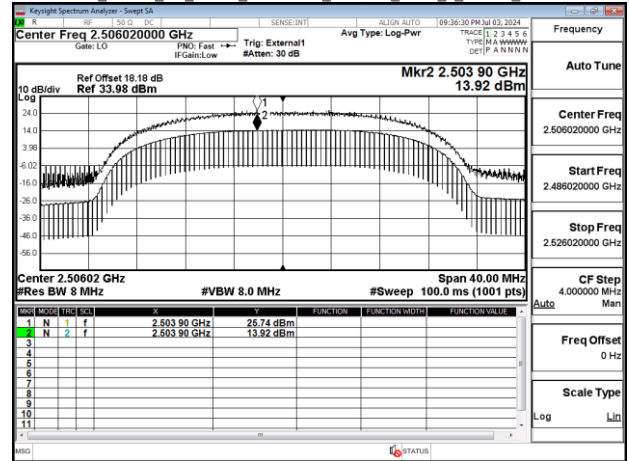
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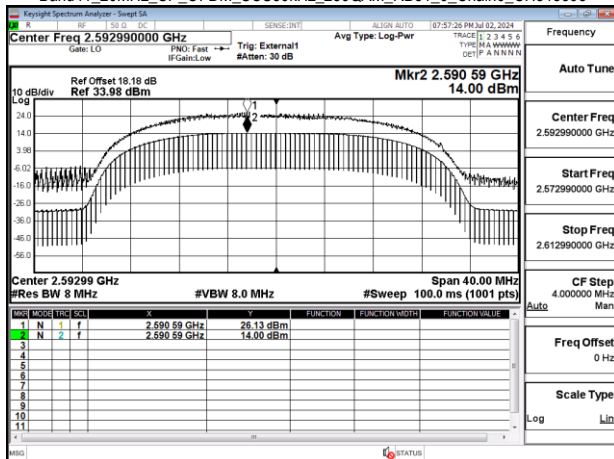
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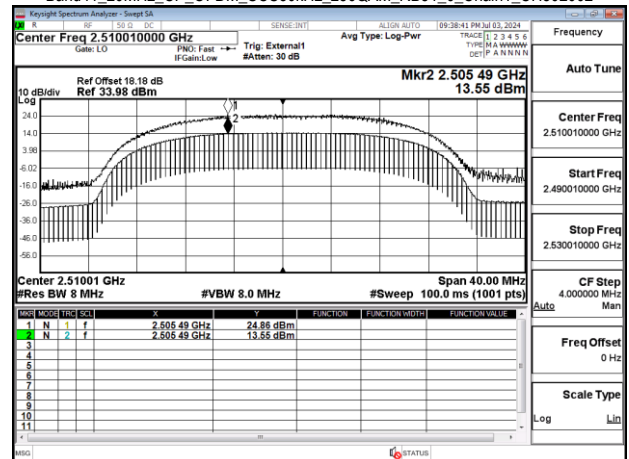
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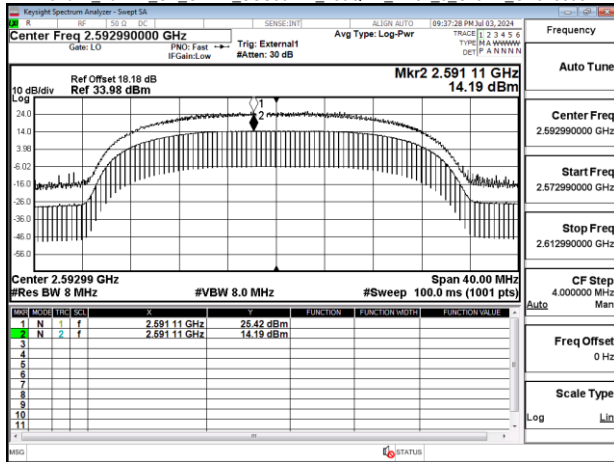


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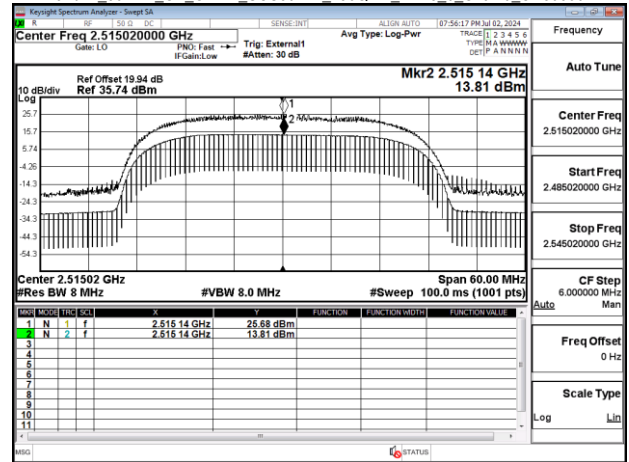
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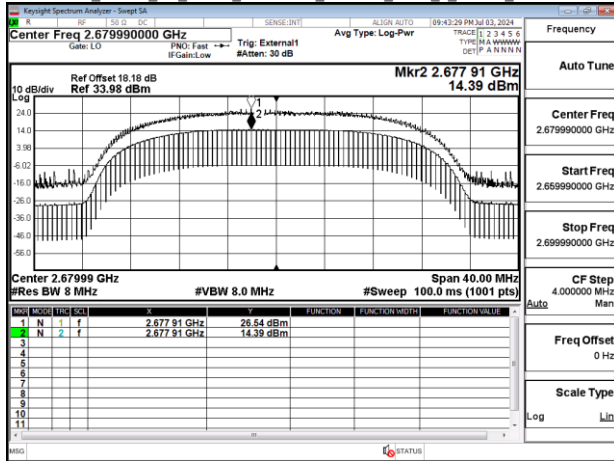
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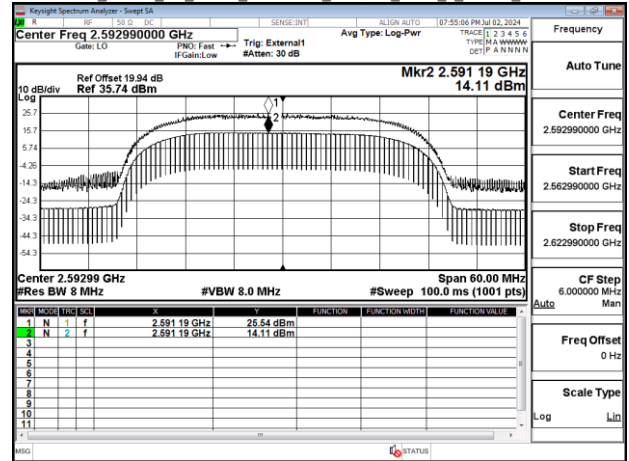
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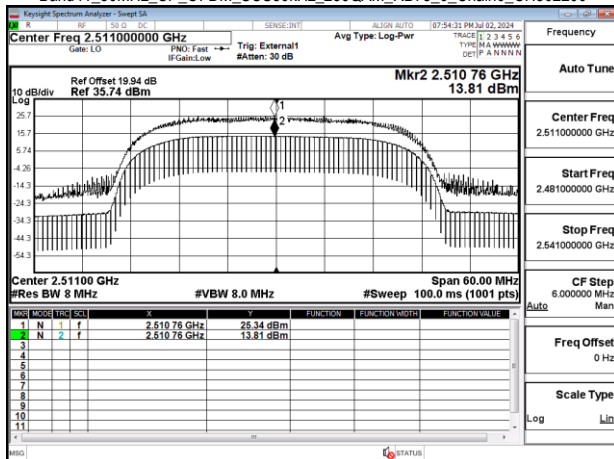
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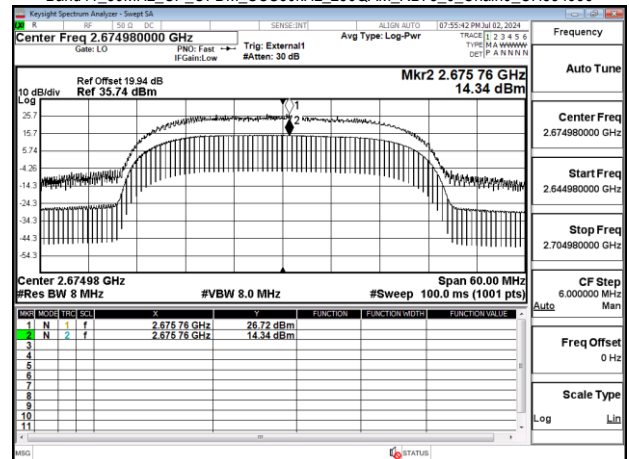
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Band41 30MHz CP OFDM SCS30kHz 256QAM RB78_0 Chain0 CH534996

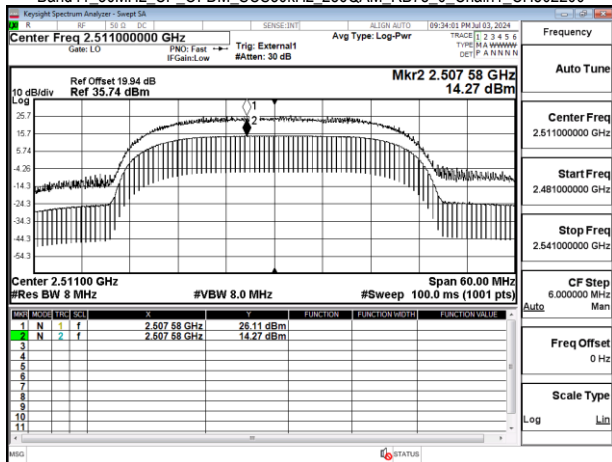


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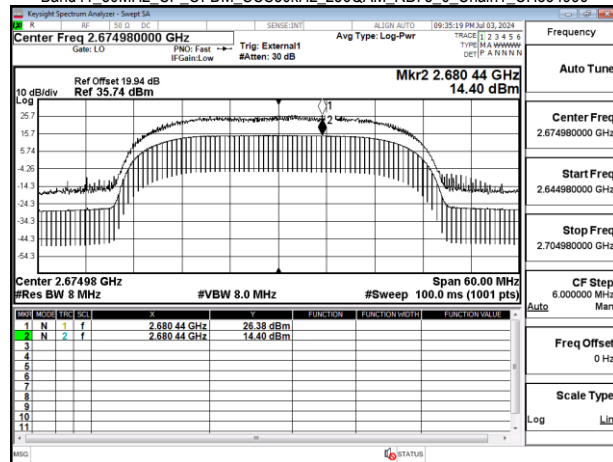
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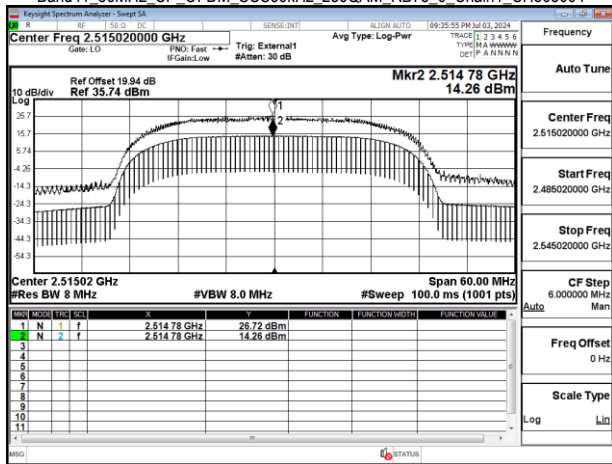
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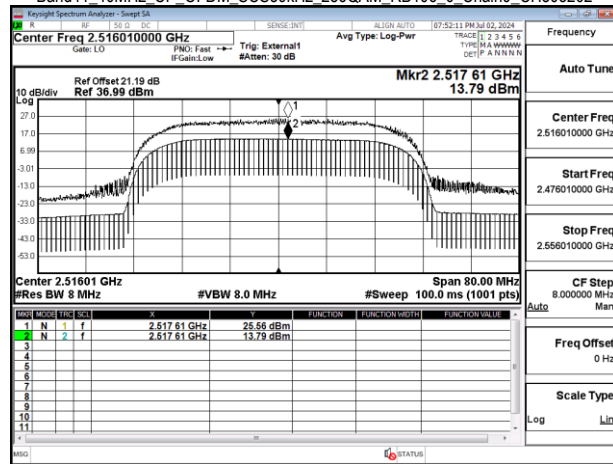
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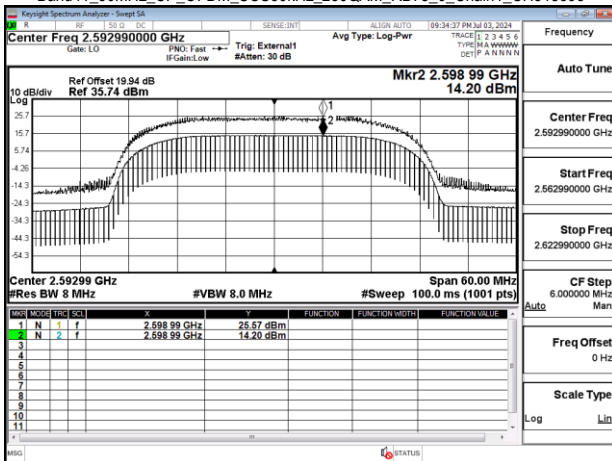
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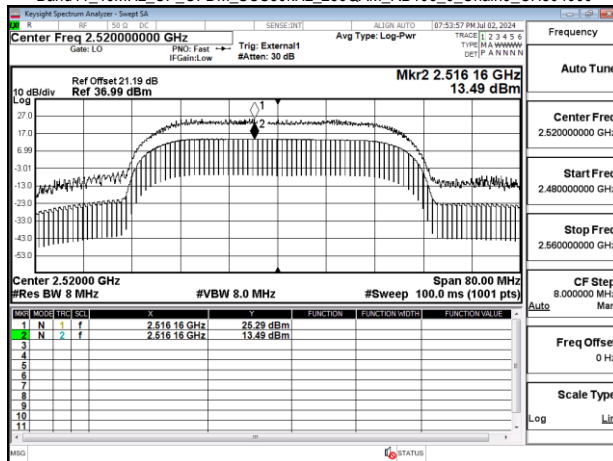
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Band41 30MHz CP OFDM_SCS30kHz 256QAM RB78 0 Chain1 CH518598



Band41 40MHz CP OFDM_SCS30kHz 256QAM RB106 0 Chain0 CH504000

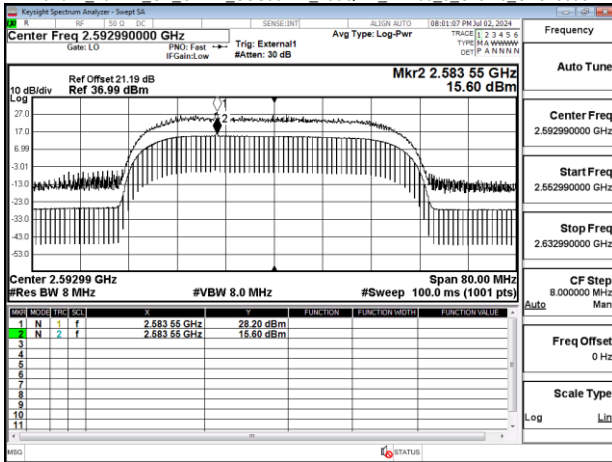


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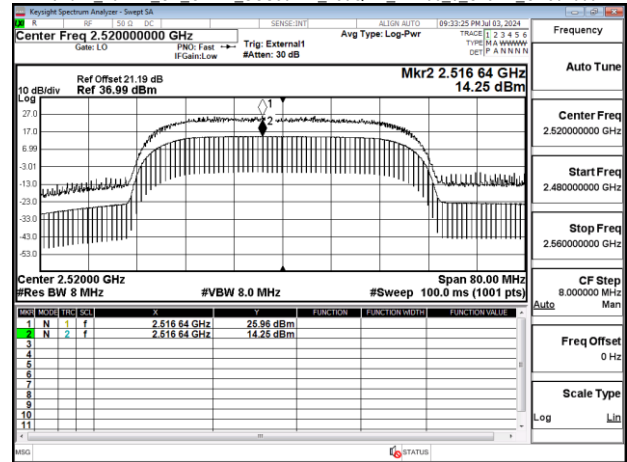
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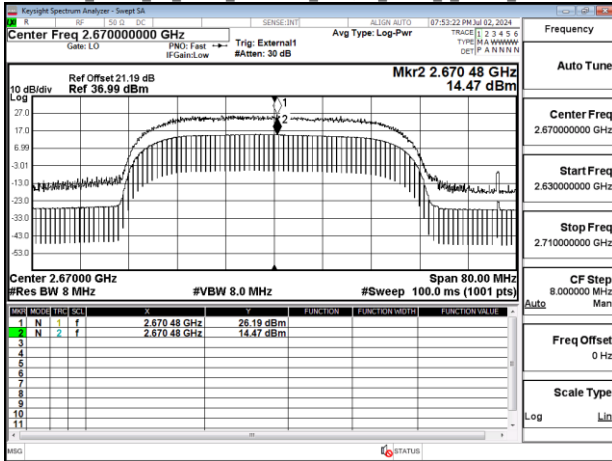
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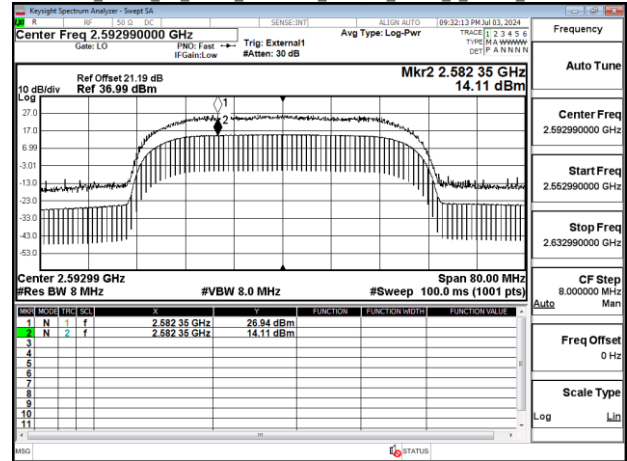
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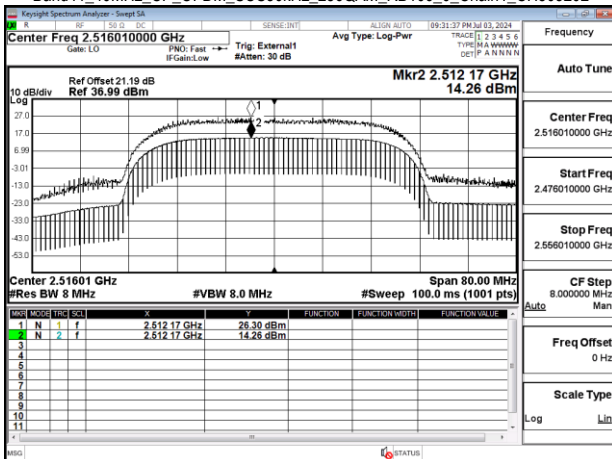
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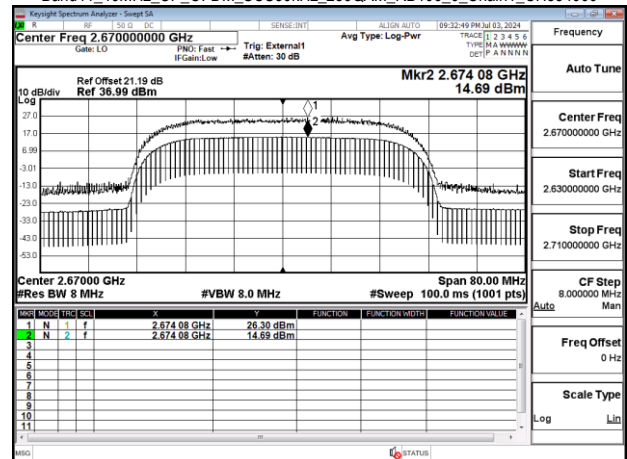
Band41 40MHz CP OFDM_SCS30kHz 256QAM_RB106_0 Chain1_CH518598



Band41 40MHz CP OFDM_SCS30kHz 256QAM_RB106_0 Chain1_CH503202



Band41 40MHz CP OFDM_SCS30kHz 256QAM_RB106_0 Chain1_CH534000



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