

Report Number :TERF2402000305E2

Operation Mode :LTE B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :782 MHz

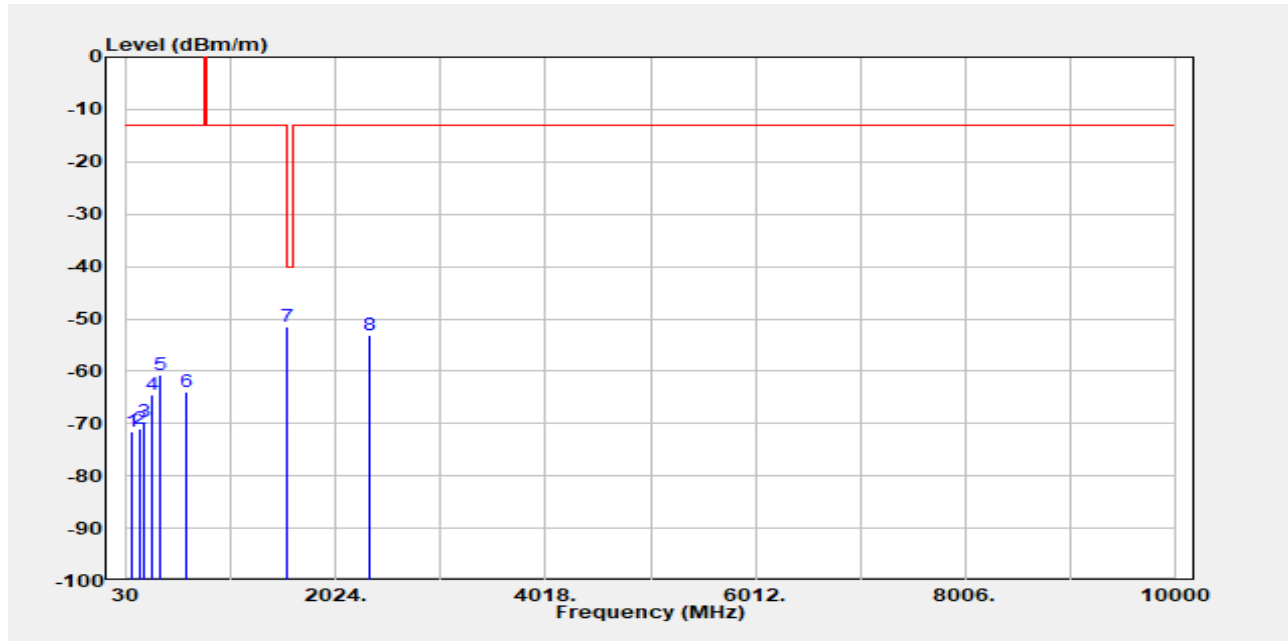
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
79.470	-71.54	-67.51	-3.02	-1.00	-13.00	-58.54
161.920	-70.92	-68.47	-1.03	-1.41	-13.00	-57.92
201.690	-69.53	-72.05	4.07	-1.55	-13.00	-56.53
278.320	-64.43	-66.61	4.00	-1.83	-13.00	-51.43
353.010	-60.82	-63.23	4.47	-2.06	-13.00	-47.82
600.360	-63.94	-65.01	3.74	-2.66	-13.00	-50.94
1564.000	-51.42	-56.30	9.10	-4.22	-40.00	-11.42
2346.000	-53.08	-57.64	9.80	-5.24	-13.00	-40.08

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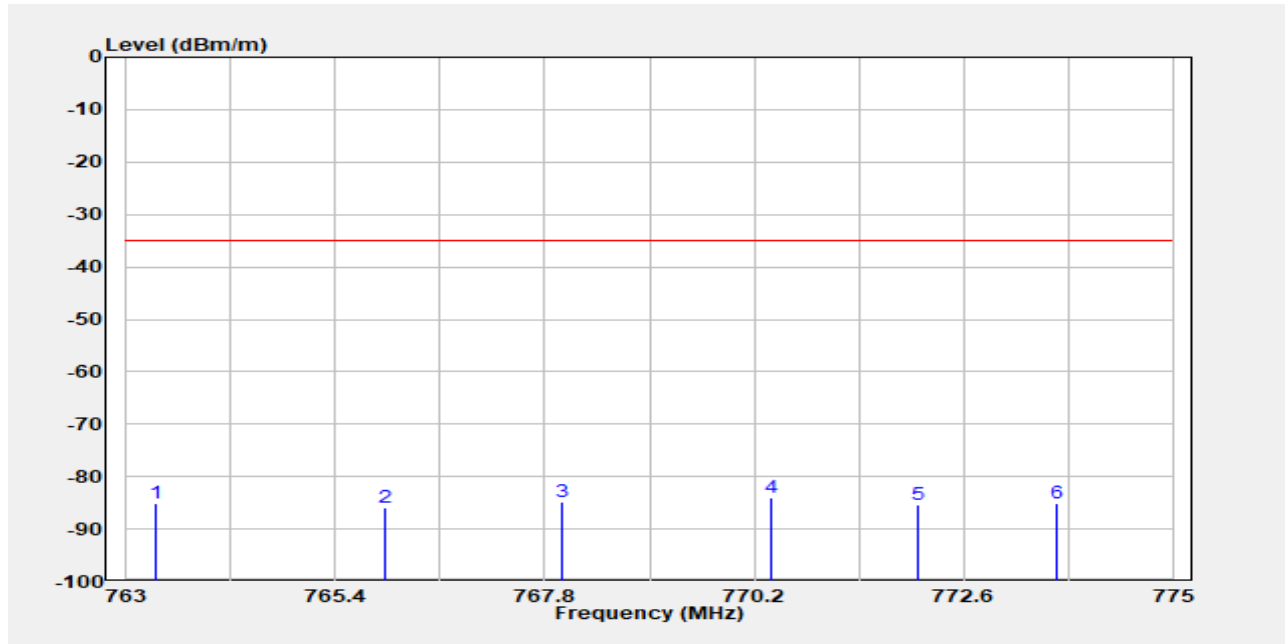
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
763.336	-85.17	-85.55	3.37	-2.99	-35.00	-50.17
765.964	-85.92	-86.27	3.34	-2.99	-35.00	-50.92
767.992	-84.69	-85.02	3.33	-3.00	-35.00	-49.69
770.392	-83.94	-84.24	3.31	-3.01	-35.00	-48.94
772.084	-85.37	-85.69	3.34	-3.01	-35.00	-50.37
773.680	-85.01	-85.35	3.35	-3.02	-35.00	-50.01

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Test Frequency :782 MHz

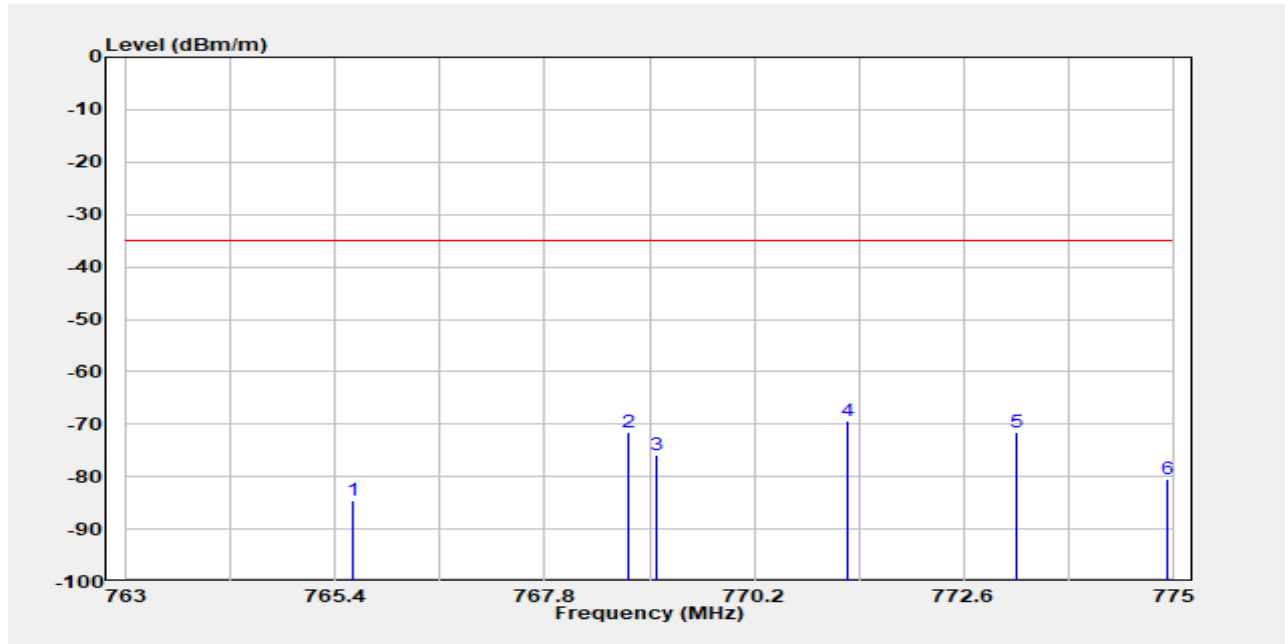
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
765.592	-84.52	-84.88	3.35	-2.99	-35.00	-49.52
768.748	-71.59	-71.90	3.32	-3.01	-35.00	-36.59
769.084	-75.90	-76.21	3.32	-3.01	-35.00	-40.90
771.280	-69.45	-69.76	3.33	-3.01	-35.00	-34.45
773.200	-71.49	-71.82	3.35	-3.02	-35.00	-36.49
774.940	-80.54	-80.88	3.37	-3.02	-35.00	-45.54

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Test Frequency :782 MHz

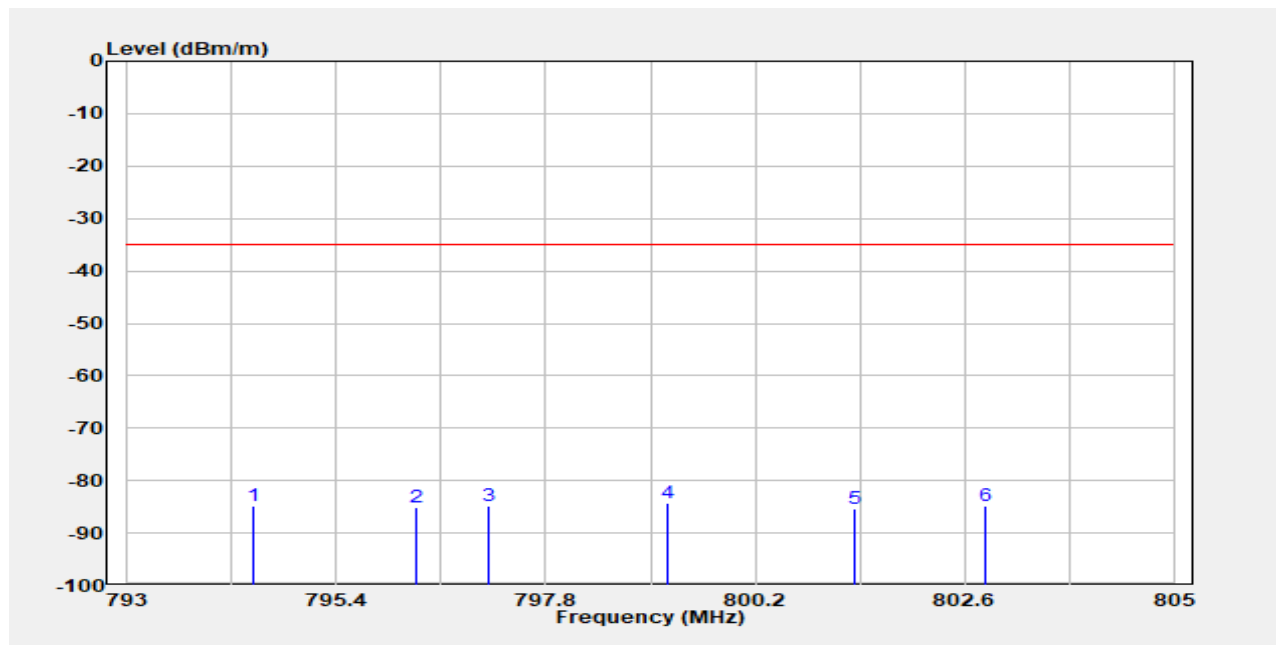
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna Pol. :Vertical

Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
794.452	-84.90	-85.33	3.48	-3.06	-35.00	-49.90
796.312	-85.08	-85.55	3.53	-3.06	-35.00	-50.08
797.140	-84.81	-85.30	3.55	-3.06	-35.00	-49.81
799.204	-84.25	-84.81	3.62	-3.06	-35.00	-49.25
801.340	-85.35	-85.91	3.63	-3.06	-35.00	-50.35
802.840	-84.95	-85.50	3.62	-3.07	-35.00	-49.95

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台灣檢驗科技股份有限公司

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Member of SGS Group

Report Number :TERF2402000305E2

Operation Mode :LTE B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :782 MHz

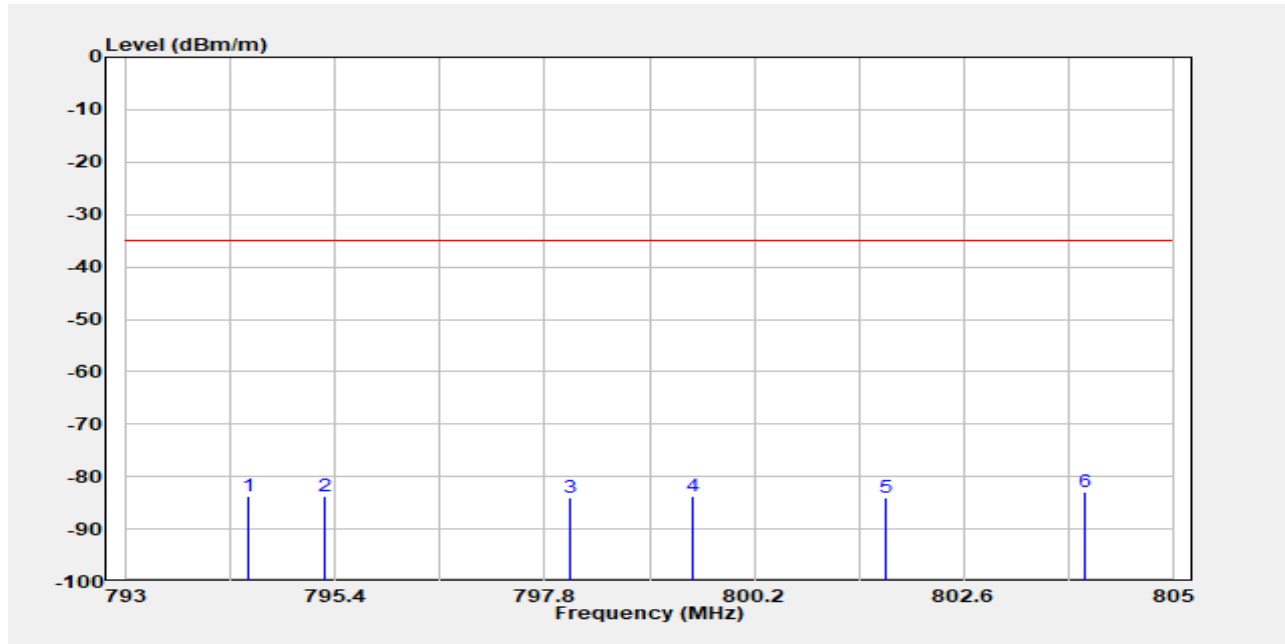
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna Pol. :Horizontal

Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
794.404	-83.70	-84.13	3.48	-3.06	-35.00	-48.70
795.268	-83.63	-84.07	3.50	-3.06	-35.00	-48.63
798.100	-84.10	-84.63	3.58	-3.06	-35.00	-49.10
799.504	-83.84	-84.41	3.63	-3.06	-35.00	-48.84
801.700	-83.96	-84.53	3.63	-3.06	-35.00	-48.96
804.004	-82.96	-83.50	3.61	-3.07	-35.00	-47.96

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Report Number :TERF2402000305E2

Operation Mode :LTE B17

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :709 MHz

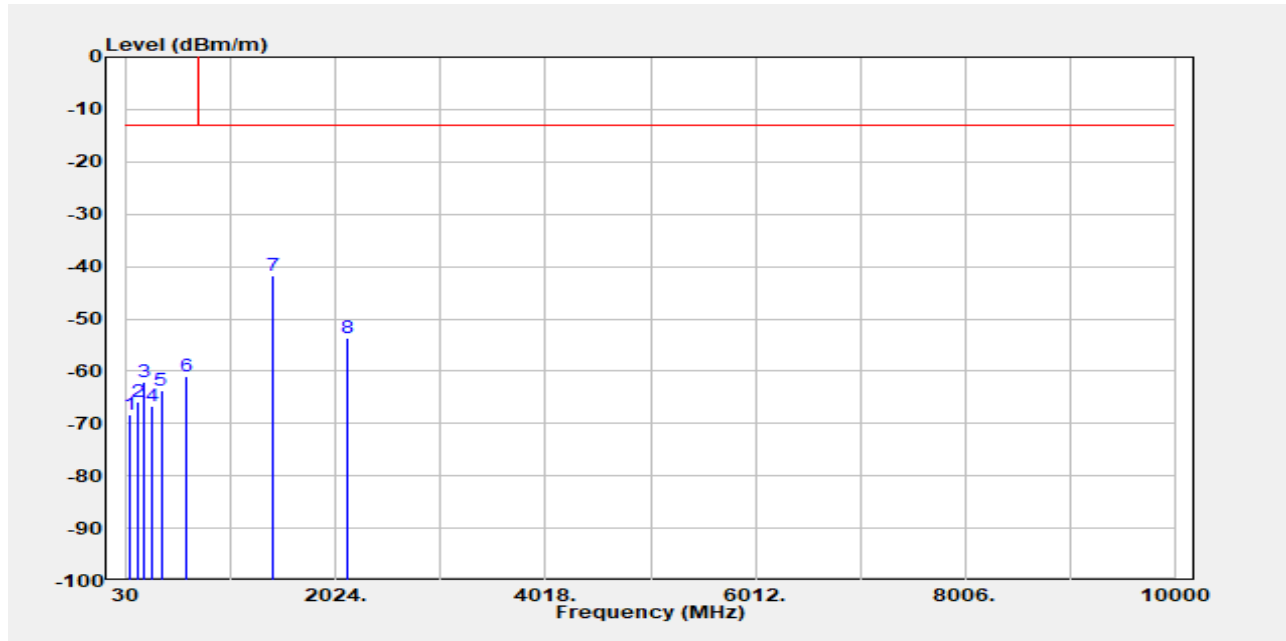
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
65.890	-68.41	-60.23	-7.29	-0.89	-13.00	-55.41
144.460	-65.80	-62.55	-1.93	-1.33	-13.00	-52.80
201.690	-62.19	-64.71	4.07	-1.55	-13.00	-49.19
270.560	-66.78	-69.06	4.09	-1.81	-13.00	-53.78
357.860	-63.78	-66.26	4.55	-2.07	-13.00	-50.78
599.390	-60.98	-62.06	3.74	-2.66	-13.00	-47.98
1418.000	-41.67	-49.36	7.70	-4.01	-13.00	-28.67
2127.000	-53.74	-60.64	9.87	-4.97	-13.00	-40.74

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Report Number :TERF2402000305E2

Operation Mode :LTE B17

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :709 MHz

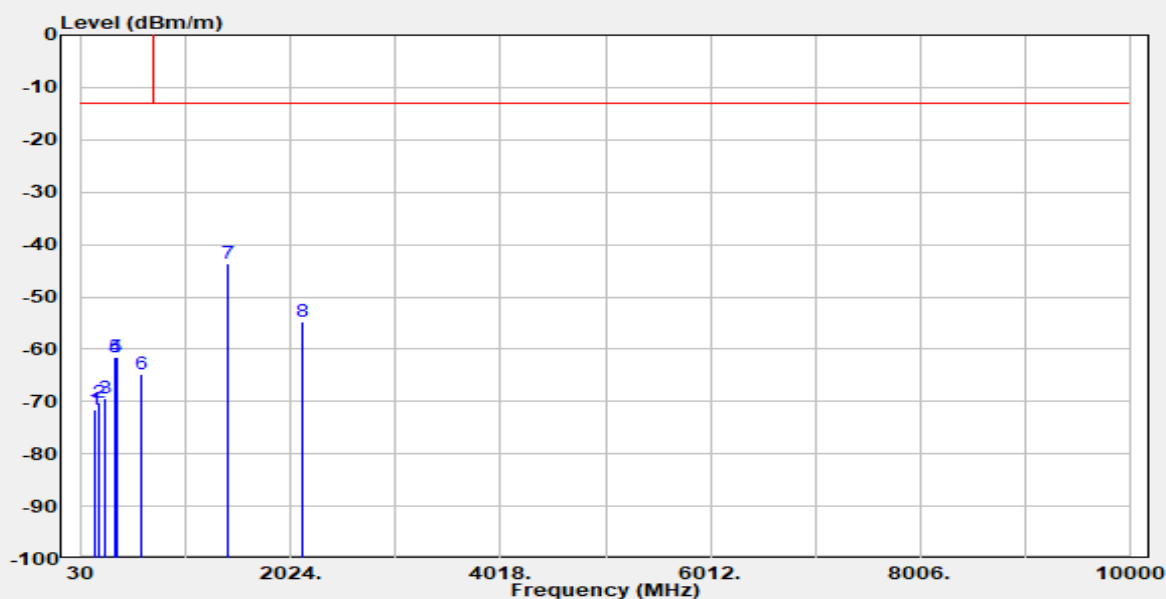
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
164.830	-71.44	-69.23	-0.80	-1.42	-13.00	-58.44
199.750	-70.10	-72.57	4.01	-1.55	-13.00	-57.10
251.160	-69.32	-71.66	4.08	-1.74	-13.00	-56.32
343.310	-61.58	-63.85	4.30	-2.02	-13.00	-48.58
357.860	-61.39	-63.88	4.55	-2.07	-13.00	-48.39
600.360	-64.84	-65.92	3.74	-2.66	-13.00	-51.84
1418.000	-43.62	-50.32	7.70	-4.01	-13.00	-30.62
2127.000	-54.62	-61.52	9.87	-4.97	-13.00	-41.62

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Operation Mode :LTE B17

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :710 MHz

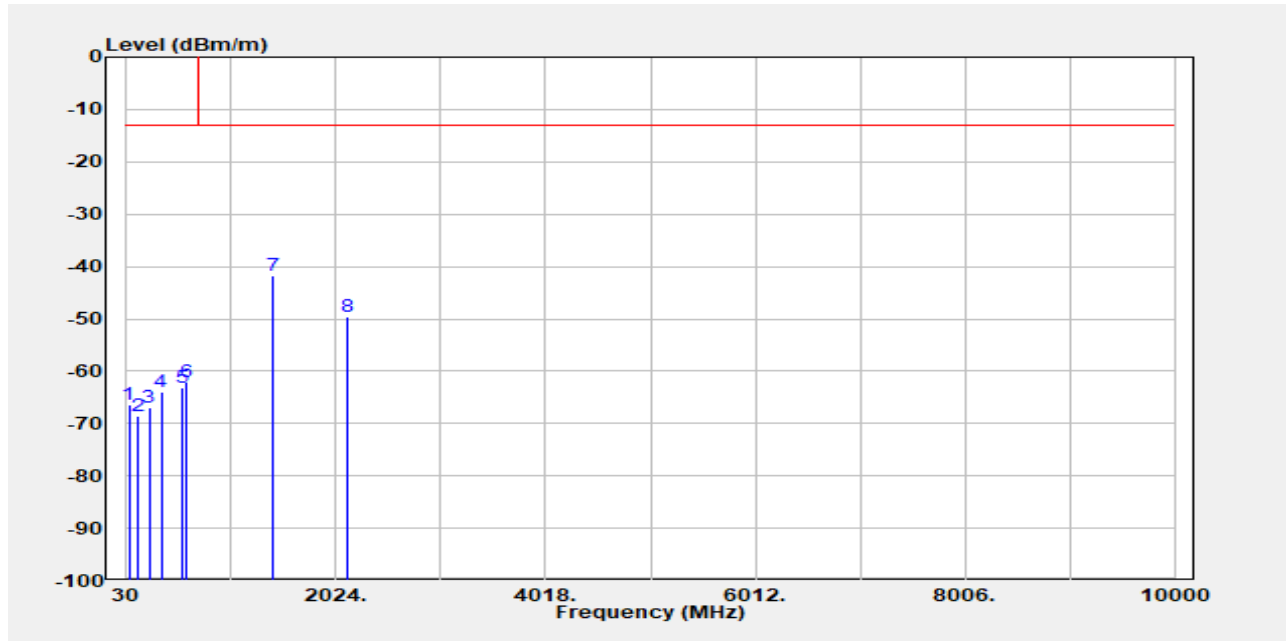
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
51.340	-66.31	-54.13	-11.37	-0.81	-13.00	-53.31
139.610	-68.51	-65.44	-1.76	-1.31	-13.00	-55.51
243.400	-67.04	-69.28	3.97	-1.72	-13.00	-54.04
357.860	-64.06	-66.55	4.55	-2.07	-13.00	-51.06
556.710	-63.25	-64.94	4.26	-2.57	-13.00	-50.25
606.180	-62.01	-63.02	3.69	-2.68	-13.00	-49.01
1420.000	-41.85	-49.54	7.70	-4.01	-13.00	-28.85
2130.000	-49.67	-57.60	9.90	-4.97	-13.00	-36.67

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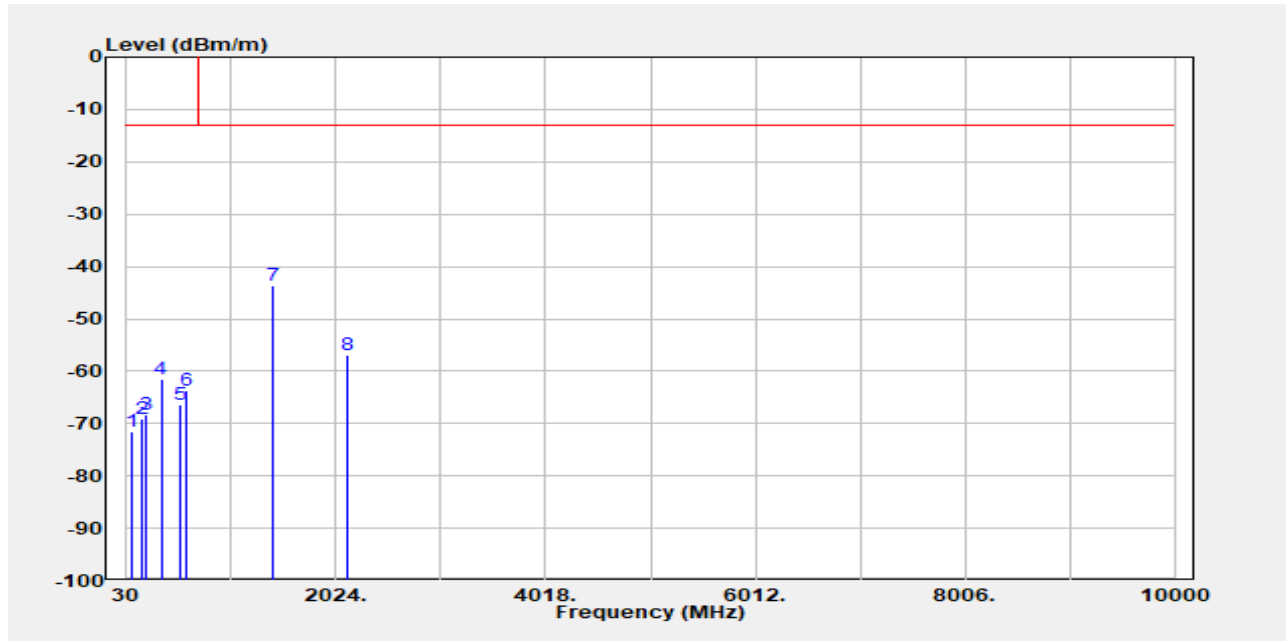
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
86.260	-71.55	-69.41	-1.10	-1.04	-13.00	-58.55
169.680	-69.15	-67.34	-0.36	-1.45	-13.00	-56.15
209.450	-68.26	-71.16	4.49	-1.59	-13.00	-55.26
357.860	-61.57	-64.06	4.55	-2.07	-13.00	-48.57
546.040	-66.37	-68.05	4.23	-2.54	-13.00	-53.37
599.390	-63.76	-64.84	3.74	-2.66	-13.00	-50.76
1420.000	-43.53	-50.22	7.70	-4.01	-13.00	-30.53
2130.000	-57.02	-61.95	9.90	-4.97	-13.00	-44.02

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Operation Mode :LTE B17

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :711 MHz

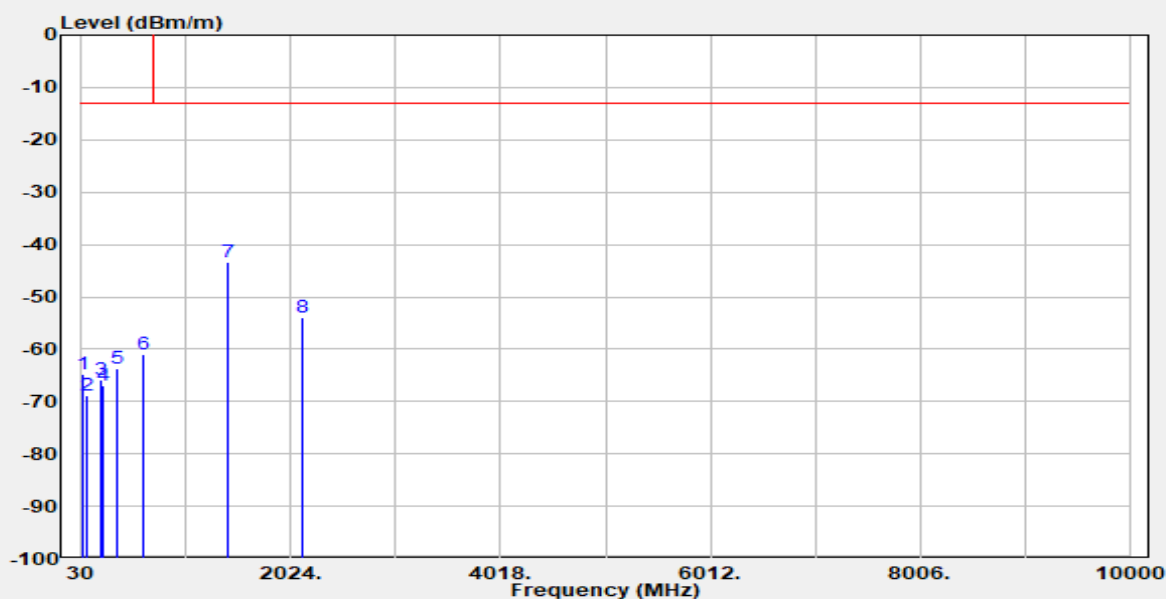
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
32.910	-64.66	-50.72	-13.31	-0.64	-13.00	-51.66
74.620	-68.92	-63.30	-4.67	-0.96	-13.00	-55.92
206.540	-65.75	-68.49	4.31	-1.57	-13.00	-52.75
241.460	-66.85	-69.11	3.97	-1.71	-13.00	-53.85
367.560	-63.65	-65.98	4.43	-2.11	-13.00	-50.65
609.090	-60.94	-61.88	3.61	-2.68	-13.00	-47.94
1422.000	-43.46	-51.17	7.72	-4.01	-13.00	-30.46
2133.000	-54.02	-60.91	9.87	-4.98	-13.00	-41.02

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Report Number :TERF2402000305E2

Operation Mode :LTE B17

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :711 MHz

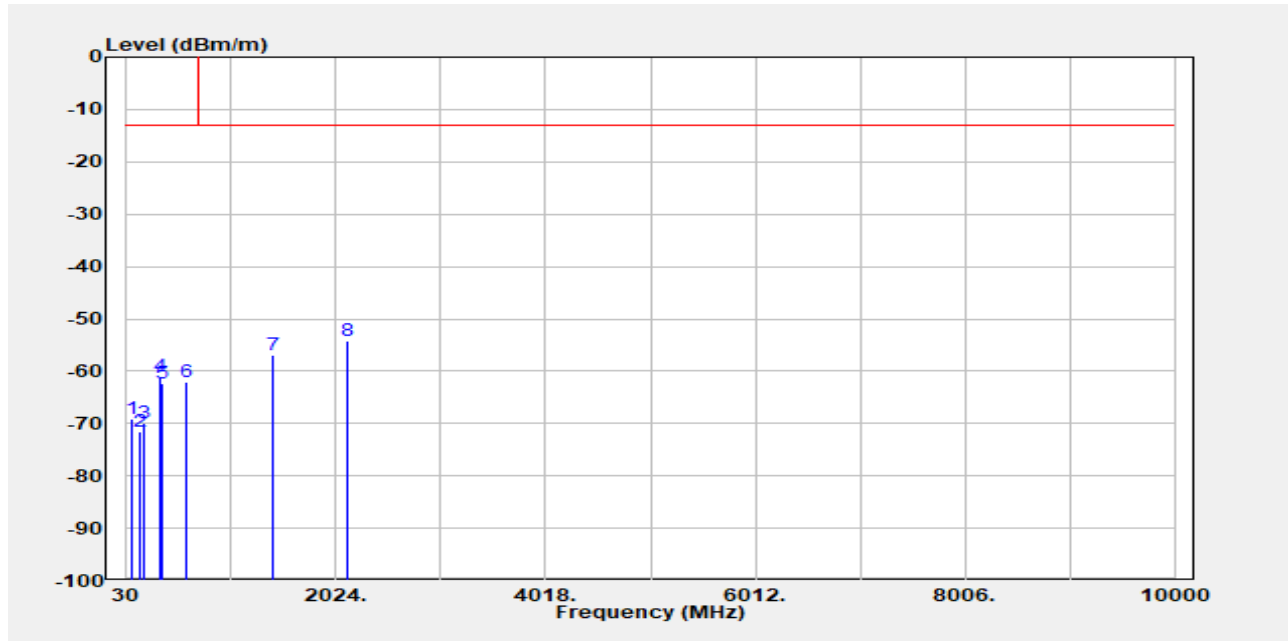
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
74.620	-69.10	-63.48	-4.67	-0.96	-13.00	-56.10
158.040	-71.49	-68.75	-1.35	-1.39	-13.00	-58.49
201.690	-69.84	-72.36	4.07	-1.55	-13.00	-56.84
343.310	-60.95	-63.22	4.30	-2.02	-13.00	-47.95
367.560	-62.37	-64.70	4.43	-2.11	-13.00	-49.37
600.360	-62.00	-63.08	3.74	-2.66	-13.00	-49.00
1422.000	-56.80	-62.51	7.72	-4.01	-13.00	-43.80
2133.000	-54.15	-61.04	9.87	-4.98	-13.00	-41.15

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :831.5 MHz

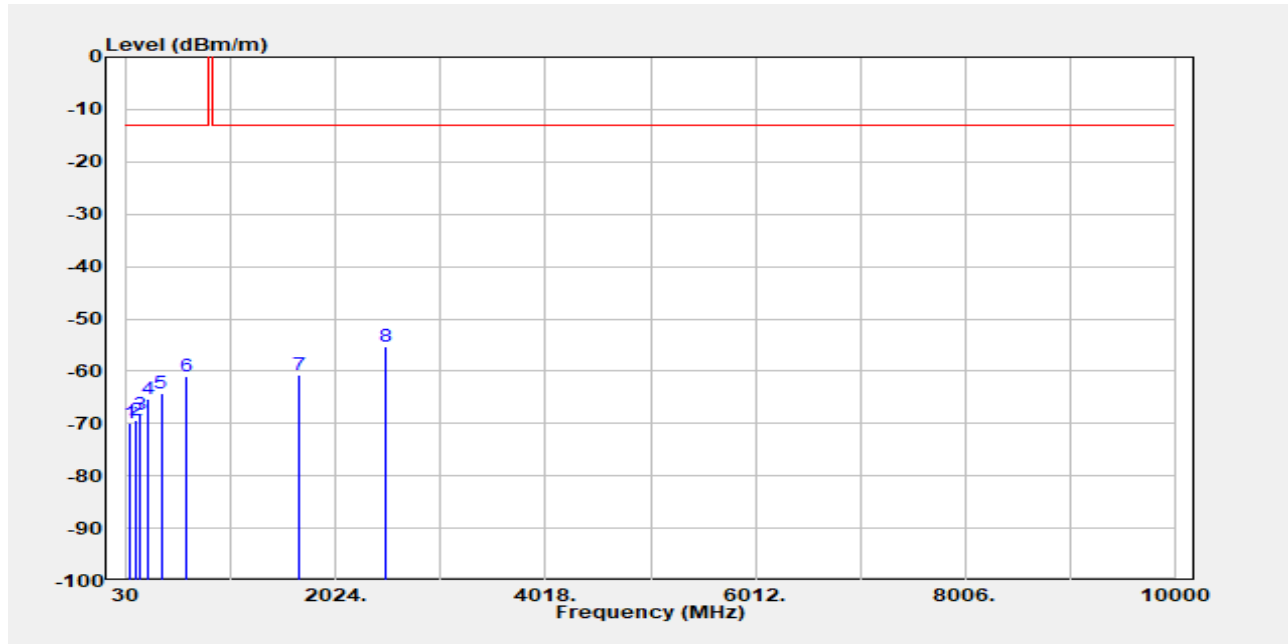
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna Pol. :Vertical

Engineer :Nick Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.310	-69.99	-58.17	-11.01	-0.81	-13.00	-56.99
127.000	-69.49	-67.00	-1.24	-1.25	-13.00	-56.49
160.950	-68.39	-65.89	-1.09	-1.41	-13.00	-55.39
225.940	-65.43	-69.01	5.24	-1.66	-13.00	-52.43
357.860	-64.11	-66.60	4.55	-2.07	-13.00	-51.11
605.210	-60.90	-61.93	3.71	-2.68	-13.00	-47.90
1663.000	-60.79	-66.11	9.66	-4.35	-13.00	-47.79
2494.500	-55.33	-60.55	10.65	-5.42	-13.00	-42.33

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :831.5 MHz

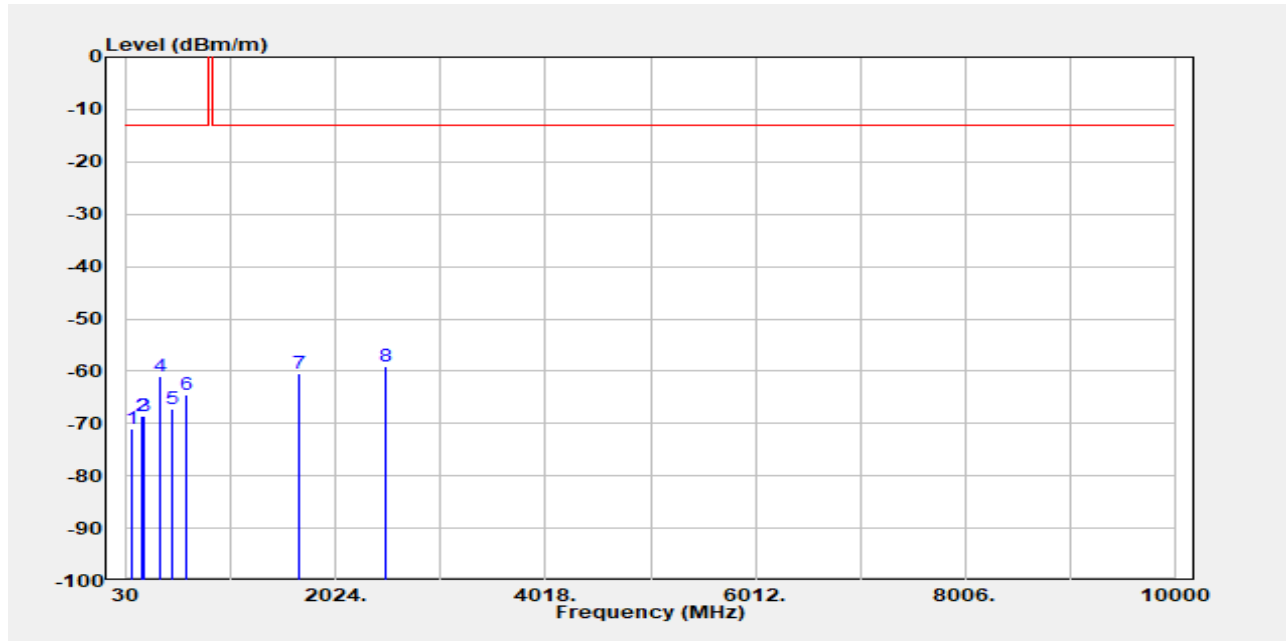
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
73.650	-71.07	-65.27	-4.85	-0.95	-13.00	-58.07
179.380	-68.69	-68.23	1.04	-1.49	-13.00	-55.69
203.630	-68.47	-71.07	4.16	-1.56	-13.00	-55.47
348.160	-60.86	-63.23	4.42	-2.04	-13.00	-47.86
455.830	-67.14	-68.84	4.04	-2.33	-13.00	-54.14
600.360	-64.45	-65.53	3.74	-2.66	-13.00	-51.45
1663.000	-60.50	-65.81	9.66	-4.35	-13.00	-47.50
2494.500	-59.02	-64.24	10.65	-5.42	-13.00	-46.02

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :836.5 MHz

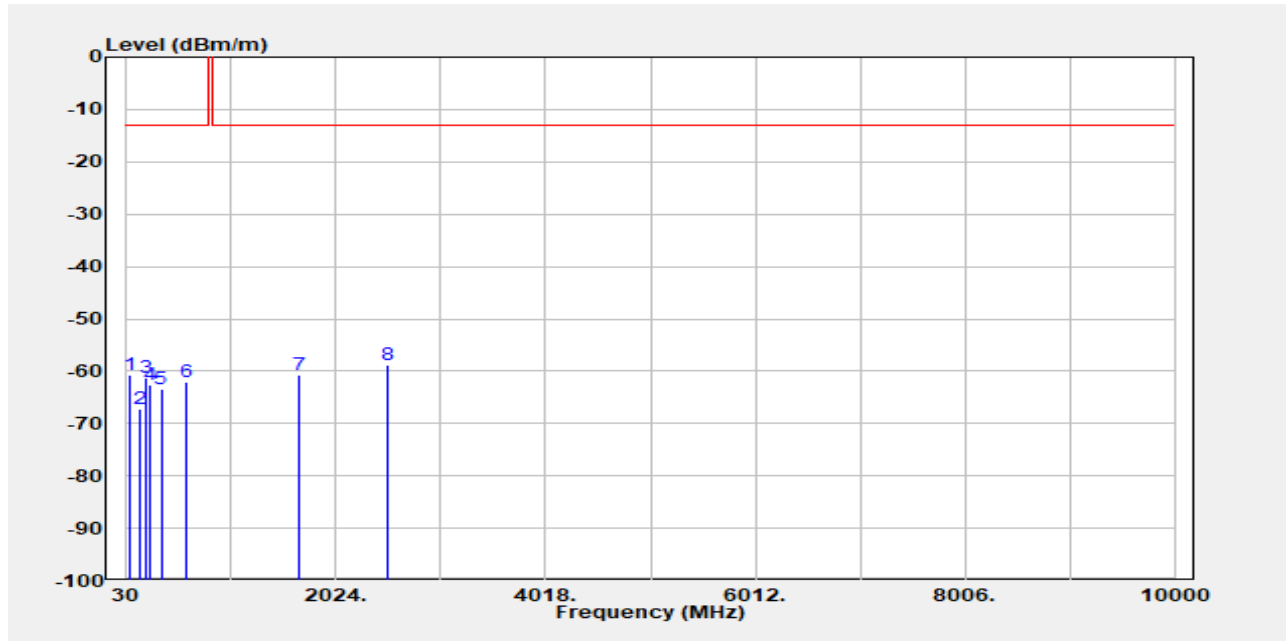
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
53.280	-60.69	-48.89	-10.98	-0.81	-13.00	-47.69
153.190	-67.12	-64.30	-1.46	-1.37	-13.00	-54.12
221.090	-61.25	-64.70	5.09	-1.64	-13.00	-48.25
248.250	-62.52	-64.80	4.01	-1.74	-13.00	-49.52
357.860	-63.35	-65.84	4.55	-2.07	-13.00	-50.35
605.210	-61.99	-63.02	3.71	-2.68	-13.00	-48.99
1673.000	-60.67	-66.14	9.83	-4.36	-13.00	-47.67
2509.500	-58.83	-64.00	10.60	-5.44	-13.00	-45.83

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :836.5 MHz

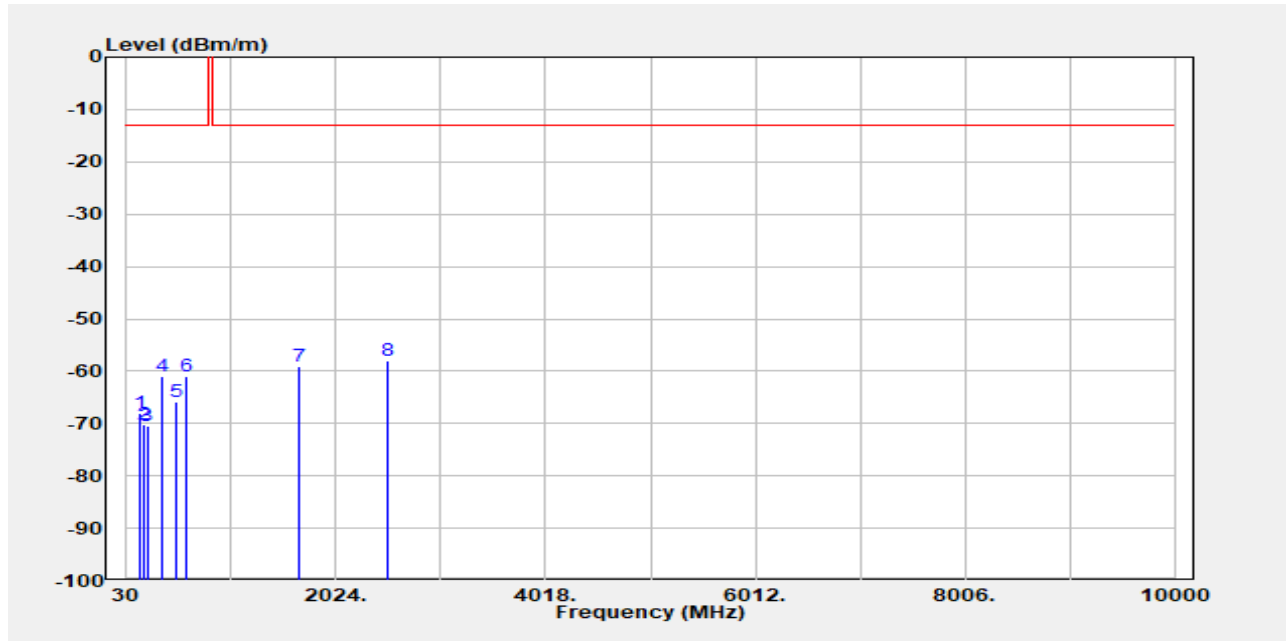
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
151.250	-68.12	-65.01	-1.75	-1.36	-13.00	-55.12
196.840	-70.10	-72.41	3.85	-1.54	-13.00	-57.10
224.000	-70.52	-74.13	5.26	-1.66	-13.00	-57.52
362.710	-61.00	-63.48	4.57	-2.09	-13.00	-48.00
496.570	-65.83	-67.59	4.20	-2.44	-13.00	-52.83
600.360	-60.95	-62.03	3.74	-2.66	-13.00	-47.95
1673.000	-59.15	-64.62	9.83	-4.36	-13.00	-46.15
2509.500	-57.99	-63.16	10.60	-5.44	-13.00	-44.99

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :841.5 MHz

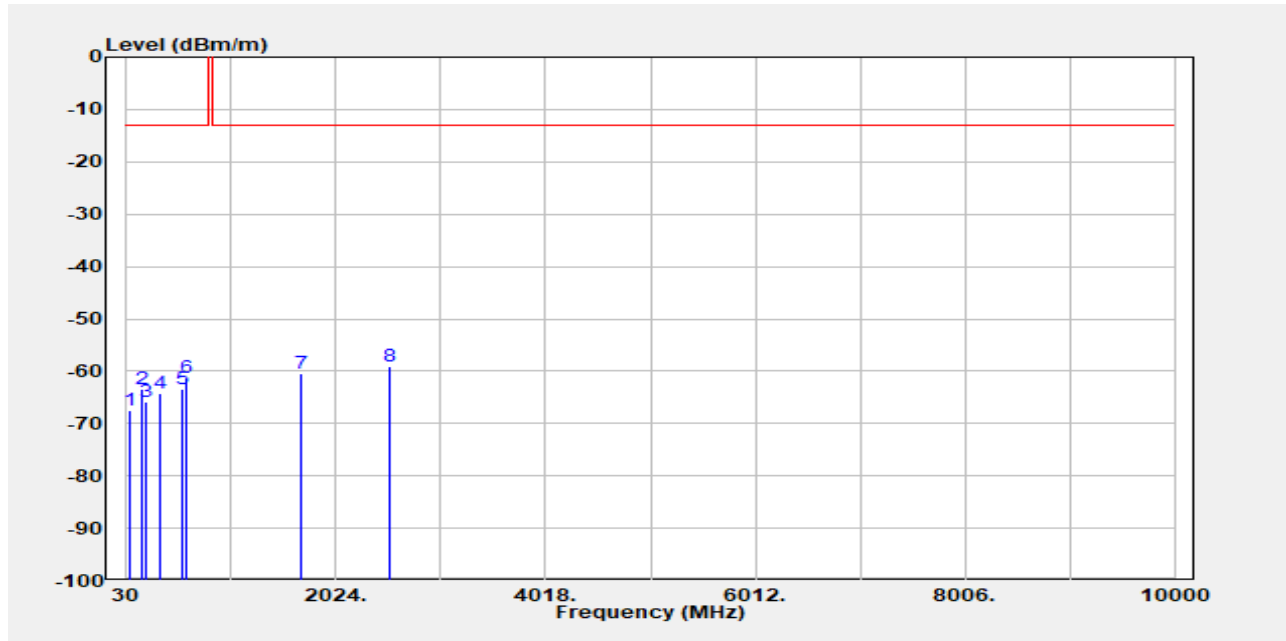
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
54.250	-67.52	-55.95	-10.75	-0.82	-13.00	-54.52
182.290	-63.54	-63.67	1.62	-1.50	-13.00	-50.54
222.060	-65.96	-69.46	5.15	-1.65	-13.00	-52.96
348.160	-64.33	-66.71	4.42	-2.04	-13.00	-51.33
556.710	-63.30	-64.98	4.26	-2.57	-13.00	-50.30
605.210	-61.23	-62.26	3.71	-2.68	-13.00	-48.23
1683.000	-60.37	-65.90	9.90	-4.37	-13.00	-47.37
2524.500	-59.11	-64.26	10.60	-5.45	-13.00	-46.11

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Report Number :TERF2402000305E2

Operation Mode :LTE B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :841.5 MHz

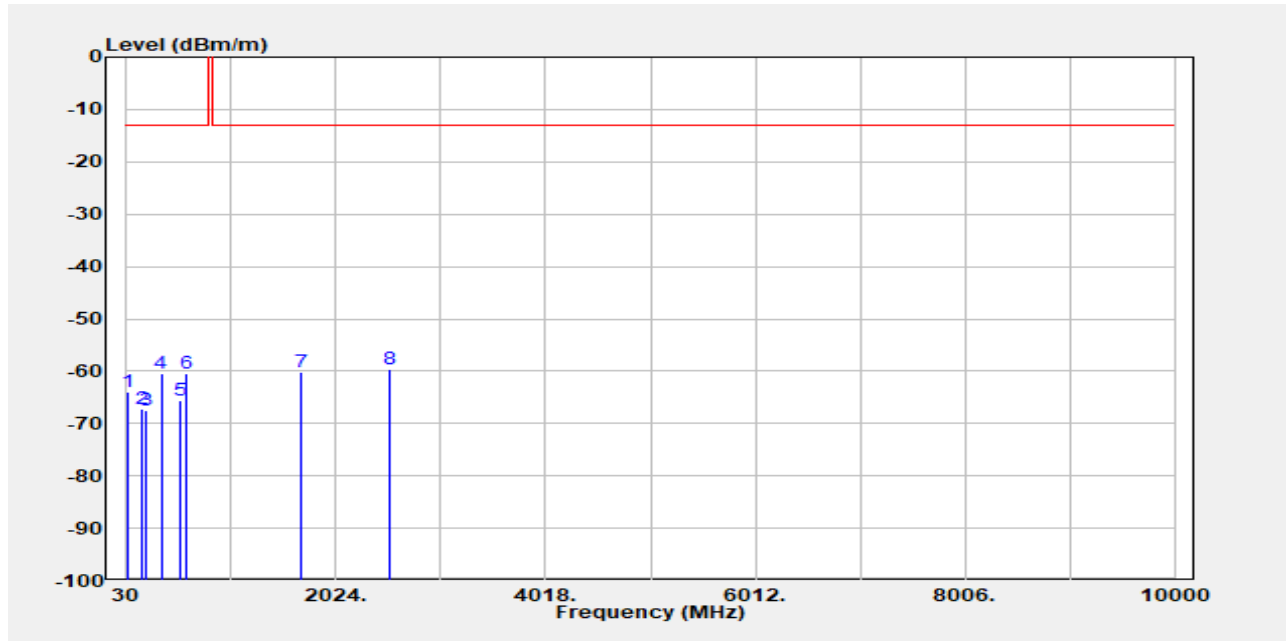
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
41.640	-63.84	-50.29	-12.82	-0.73	-13.00	-50.84
183.260	-67.07	-67.34	1.77	-1.50	-13.00	-54.07
221.090	-67.37	-70.81	5.09	-1.64	-13.00	-54.37
357.860	-60.39	-62.88	4.55	-2.07	-13.00	-47.39
535.370	-65.65	-67.38	4.25	-2.52	-13.00	-52.65
600.360	-60.48	-61.55	3.74	-2.66	-13.00	-47.48
1683.000	-60.17	-65.70	9.90	-4.37	-13.00	-47.17
2524.500	-59.49	-64.63	10.60	-5.45	-13.00	-46.49

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Report Number :TERF2402000305E2

Operation Mode :LTE Part90 B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :819 MHz

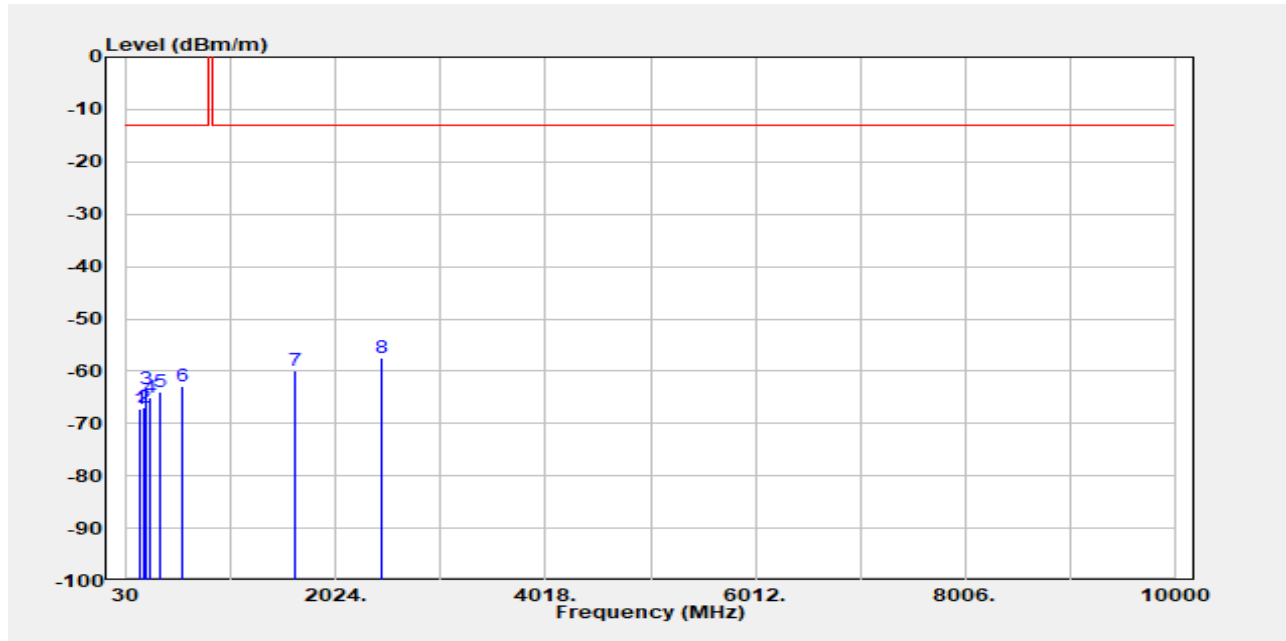
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Vertical

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
159.010	-67.15	-64.46	-1.29	-1.40	-13.00	-54.15
194.900	-66.94	-68.98	3.58	-1.54	-13.00	-53.94
221.090	-63.34	-66.79	5.09	-1.64	-13.00	-50.34
244.370	-64.92	-67.16	3.96	-1.73	-13.00	-51.92
356.890	-64.04	-66.51	4.53	-2.06	-13.00	-51.04
567.380	-62.80	-64.32	4.12	-2.59	-13.00	-49.80
1638.000	-60.02	-65.17	9.46	-4.31	-13.00	-47.02
2457.000	-57.43	-62.56	10.50	-5.37	-13.00	-44.43

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Report Number :TERF2402000305E2

Operation Mode :LTE Part90 B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :819 MHz

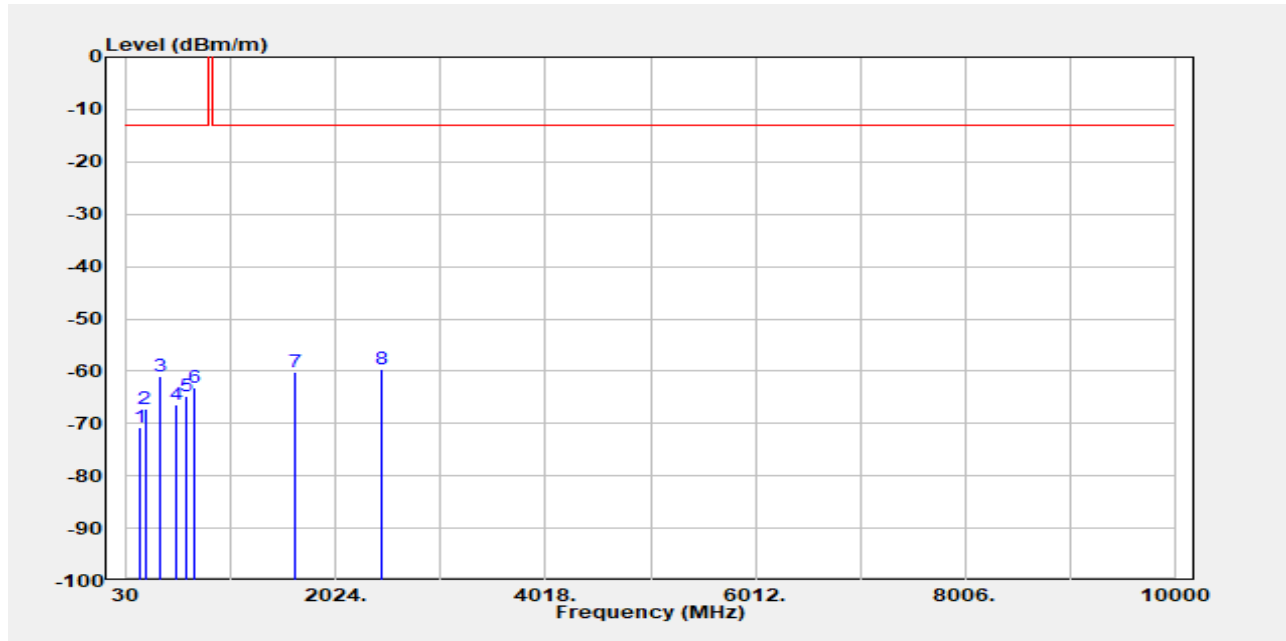
Test Site :SAC 3

Test Date :2024-02-27

Temp./Humi. :20.7°C/58%

Antenna
Pol. :Horizontal

Engineer :Nick Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
150.280	-70.73	-67.58	-1.78	-1.36	-13.00	-57.73
204.600	-67.32	-69.96	4.20	-1.56	-13.00	-54.32
343.310	-61.09	-63.36	4.30	-2.02	-13.00	-48.09
496.570	-66.45	-68.21	4.20	-2.44	-13.00	-53.45
604.240	-64.88	-65.92	3.72	-2.68	-13.00	-51.88
672.140	-63.04	-64.10	3.87	-2.81	-13.00	-50.04
1638.000	-60.25	-65.40	9.46	-4.31	-13.00	-47.25
2457.000	-59.74	-64.87	10.50	-5.37	-13.00	-46.74

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6 FREQUENCY STABILITY MEASUREMENT

Note: The battery is rated 3.7V dc.

Reference Freq.:		LTE B2 Mid Channel		1880.0000	MHz	10M QPSK CH 18900
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
13.8	25	1879.999997	-0.0016	+/- 2.5 ppm		
12	25	1879.999995	-0.0027			
10.2	25	1879.999998	-0.0012			
6 (End Point)	25	1879.999989	-0.0060			
Freq. ERROR vs. Temp.						
12	-30	1879.999992	-0.0042	+/- 2.5 ppm		
12	-20	1880.000005	0.0026			
12	-10	1880.000015	0.0078			
12	0	1879.999987	-0.0067			
12	10	1879.999986	-0.0075			
12	20	1879.999988	-0.0064			
12	30	1879.999999	-0.0006			
12	40	1879.999991	-0.0049			
12	50	1879.999988	-0.0063			

Reference Freq.:		LTE B4 Mid Channel		1732.5000	MHz	10M QPSK CH 20175
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
13.8	25	1732.499991	-0.0050	+/- 2.5 ppm		
12	25	1732.500002	0.0014			
10.2	25	1732.500007	0.0042			
6 (End Point)	25	1732.499991	-0.0054			
Freq. ERROR vs. Temp.						
12	-30	1732.500011	0.0066	+/- 2.5 ppm		
12	-20	1732.500001	0.0007			
12	-10	1732.499986	-0.0078			
12	0	1732.500014	0.0082			
12	10	1732.499994	-0.0033			
12	20	1732.500007	0.0041			
12	30	1732.499986	-0.0082			
12	40	1732.500011	0.0063			
12	50	1732.500007	0.0038			

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Reference Freq.:		LTE B5 Mid Channel		836.5000	MHz 10M QPSK CH 20525
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
13.8	25	836.500014	0.0169	+/- 2.5 ppm	
12	25	836.500013	0.0159		
10.2	25	836.499992	-0.0099		
6 (End Point)	25	836.499991	-0.0105		
Freq. ERROR vs. Temp.					
12	-30	836.499985	-0.0179	+/- 2.5 ppm	
12	-20	836.499994	-0.0076		
12	-10	836.499987	-0.0153		
12	0	836.500006	0.0069		
12	10	836.499989	-0.0129		
12	20	836.500006	0.0074		
12	30	836.499994	-0.0070		
12	40	836.499993	-0.0088		
12	50	836.500003	0.0033		

Reference Freq.:		LTE B12 Mid Channel		707.5000	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
13.8	25	707.499991	-0.0124	+/- 2.5 ppm	
12	25	707.500005	0.0074		
10.2	25	707.499991	-0.0131		
6 (End Point)	25	707.499989	-0.0159		
Freq. ERROR vs. Temp.					
12	-30	707.499994	-0.0089	+/- 2.5 ppm	
12	-20	707.499986	-0.0199		
12	-10	707.499993	-0.0102		
12	0	707.499987	-0.0183		
12	10	707.499985	-0.0206		
12	20	707.500002	0.0023		
12	30	707.499992	-0.0110		
12	40	707.499987	-0.0181		
12	50	707.500013	0.0187		

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Reference Freq.:		LTE B13 Mid Channel		782.0000	MHz 10M QPSK CH 23230
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
13.8	25	781.999994	-0.0072	+/- 2.5 ppm	
12	25	782.000002	0.0032		
10.2	25	782.000007	0.0087		
6 (End Point)	25	781.999989	-0.0135		
Freq. ERROR vs. Temp.					
12	-30	781.999988	-0.0153	+/- 2.5 ppm	
12	-20	782.000007	0.0095		
12	-10	781.999985	-0.0188		
12	0	781.999992	-0.0104		
12	10	781.999997	-0.0042		
12	20	781.999988	-0.0159		
12	30	782.000003	0.0033		
12	40	781.999990	-0.0126		
12	50	781.999998	-0.0021		
Reference Freq.:					
LTE B17 Mid Channel		710.0000	MHz 10M QPSK CH 23790		
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
13.8	25	709.999991	-0.0134	+/- 2.5 ppm	
12	25	709.999992	-0.0116		
10.2	25	710.000006	0.0089		
6 (End Point)	25	709.999991	-0.0126		
Freq. ERROR vs. Temp.					
12	-30	709.999994	-0.0080	+/- 2.5 ppm	
12	-20	709.999994	-0.0078		
12	-10	710.000014	0.0204		
12	0	710.000003	0.0045		
12	10	709.999987	-0.0179		
12	20	710.000014	0.0195		
12	30	710.000007	0.0093		
12	40	709.999992	-0.0118		
12	50	710.000013	0.0177		

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Reference Freq.:		Part 90 LTE B26 Mid Channel		819.0000	MHz 10M QPSK CH 26740
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)					
13.8	25	819.000005	0.0063	+/- 2.5 ppm	
12	25	819.000008	0.0097		
10.2	25	818.999995	-0.0056		
6 (End Point)	25	818.999990	-0.0126		
Freq. ERROR vs. Temp.					
12	-30	818.999994	-0.0070	+/- 2.5 ppm	
12	-20	818.999988	-0.0147		
12	-10	819.000011	0.0129		
12	0	819.000006	0.0071		
12	10	818.999996	-0.0053		
12	20	819.000003	0.0032		
12	30	818.999987	-0.0160		
12	40	818.999990	-0.0119		
12	50	819.000006	0.0076		

Reference Freq.:		LTE B26 Mid Channel		831.5000	MHz 10M QPSK CH 26865
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
13.8	25	831.500002	0.0025	+/- 2.5 ppm	
12	25	831.499990	-0.0123		
10.2	25	831.499996	-0.0044		
6 (End Point)	25	831.499991	-0.0109		
Freq. ERROR vs. Temp.					
12	-30	831.499991	-0.0110	+/- 2.5 ppm	
12	-20	831.499987	-0.0162		
12	-10	831.500006	0.0069		
12	0	831.500014	0.0162		
12	10	831.499992	-0.0091		
12	20	831.500005	0.0056		
12	30	831.500007	0.0087		
12	40	831.500005	0.0063		
12	50	831.499987	-0.0159		

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7 PEAK TO AVERAGE RATIO

LTE BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1850.7	18607	6.19	13	1851.5	18615	6.15	13
1880.0	18900	6.36	13	1880.0	18900	6.36	13
1909.3	19193	6.34	13	1908.5	19185	6.44	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1852.5	18625	5.88	13	1855.0	18650	6.16	13
1880.0	18900	6.27	13	1880.0	18900	6.29	13
1907.5	19175	6.11	13	1905.0	19150	6.35	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1857.5	18675	6.15	13	1860.0	18700	6.01	13
1880.0	18900	6.42	13	1880.0	18900	6.18	13
1902.5	19125	6.13	13	1900.0	19100	6.29	13

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LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1710.7	19957	6.38	13	1711.5	19965	6.14	13
1732.5	20175	6.60	13	1732.5	20175	6.49	13
1754.3	20393	6.59	13	1753.5	20385	6.40	13

LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1712.5	19975	6.10	13	1715.0	20000	6.35	13
1732.5	20175	6.40	13	1732.5	20175	6.46	13
1752.5	20375	6.27	13	1750.0	20350	6.59	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1717.5	20025	6.12	13	1720.0	20050	6.05	13
1732.5	20175	6.33	13	1732.5	20175	6.42	13
1747.5	20325	6.48	13	1745.0	20300	6.67	13

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
824.7	20407	6.53	13	825.5	20415	6.34	13
836.5	20525	6.31	13	836.5	20525	6.20	13
848.3	20643	6.49	13	847.5	20635	6.20	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
826.5	20425	6.44	13	829.0	20450	6.44	13
836.5	20525	6.18	13	836.5	20525	6.44	13
846.5	20625	6.24	13	844.0	20600	6.48	13

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LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
699.7	23017	6.64	13	700.5	23025	6.39	13
707.5	23095	6.74	13	707.5	23095	6.57	13
715.3	23173	6.59	13	714.5	23165	6.25	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
701.5	23035	6.19	13	704.0	23060	6.20	13
707.5	23095	6.33	13	707.5	23095	6.59	13
713.5	23155	6.21	13	711.0	23130	6.44	13

LTE BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
779.5	23205	6.18	13	782.0	23230	6.30	13
782.0	23230	6.53	13				
784.5	23255	6.16	13				

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
706.5	23755	6.50	13	709.0	23780	6.37	13
710.0	23790	6.59	13	710.0	23790	6.41	13
713.5	23825	6.07	13	711.0	23800	6.46	13

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LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
814.7	26697	6.44	13	815.5	26705	6.23	13
819.0	26740	6.40	13	819	26740	6.15	13
823.3	26783	6.72	13	822.5	26775	6.35	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
816.5	26715	6.07	13	819.0	26740	6.32	13
819.0	26740	6.41	13				
821.5	26765	6.04	13				

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
824.7	26797	6.50	13	825.5	26805	6.32	13
836.5	26915	6.17	13	836.5	26915	6.22	13
848.3	27033	6.31	13	847.5	27025	6.26	13

LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
826.5	26815	6.26	13	829.0	26840	6.34	13
836.5	26915	6.14	13	836.5	26915	6.15	13
846.5	27015	6.30	13	844.0	26990	6.32	13

LTE BAND 26							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	PAPR (dB)					
		64QAM	Limit				
831.5	26865	6.42	13				
836.5	26915	6.00	13				
841.5	26965	6.14	13				

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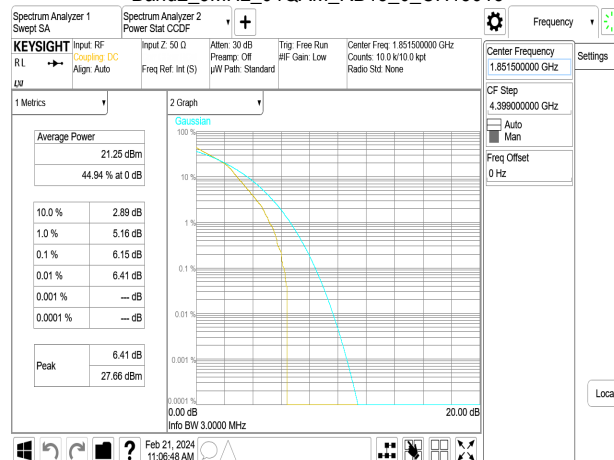
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Band2_1.4MHz_64QAM_RB6_0_CH18607



Band2_3MHz_64QAM_RB15_0_CH18615



Band2_1.4MHz_64QAM_RB6_0_CH18900



Band2_3MHz_64QAM_RB15_0_CH18900



Band2_1.4MHz_64QAM_RB6_0_CH19193



Band2_3MHz_64QAM_RB15_0_CH19185

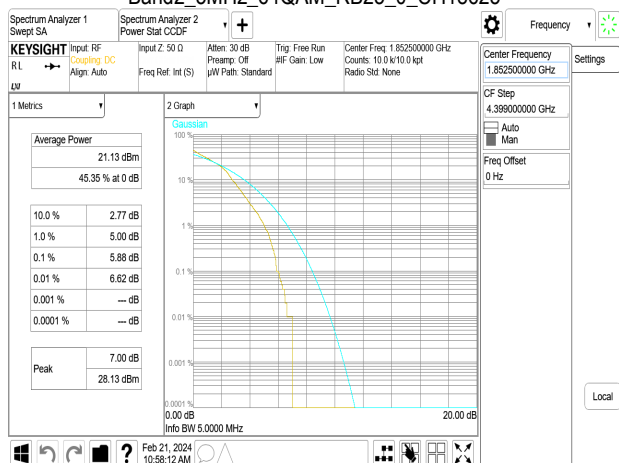


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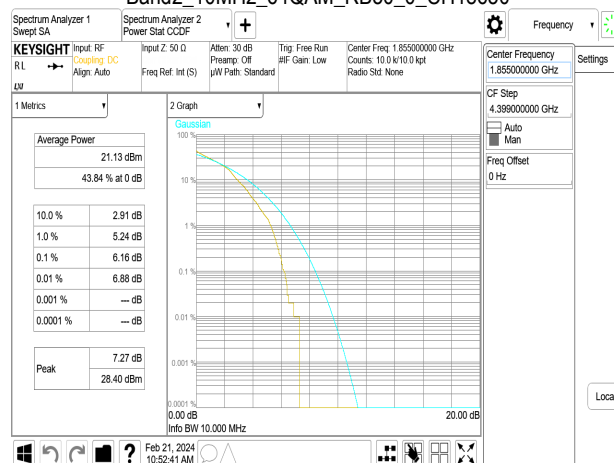
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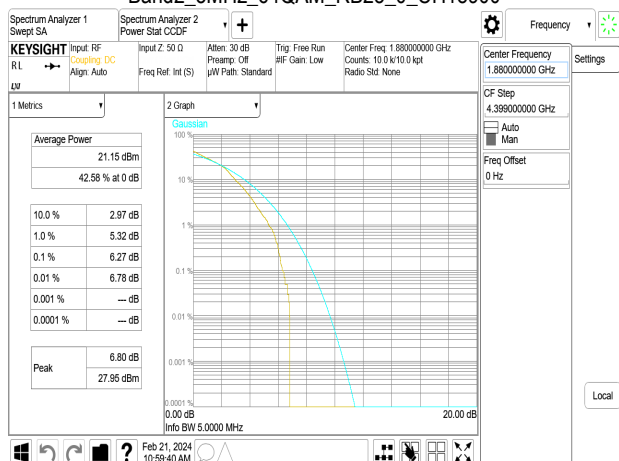
Band2_5MHz_64QAM_RB25_0_CH18625



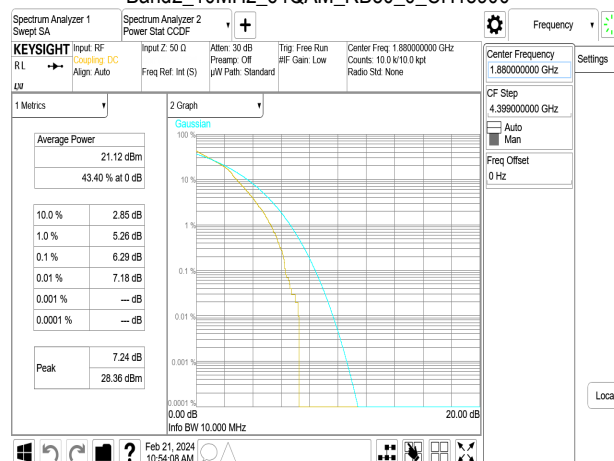
Band2_10MHz_64QAM_RB50_0_CH18650



Band2_5MHz_64QAM_RB25_0_CH18900



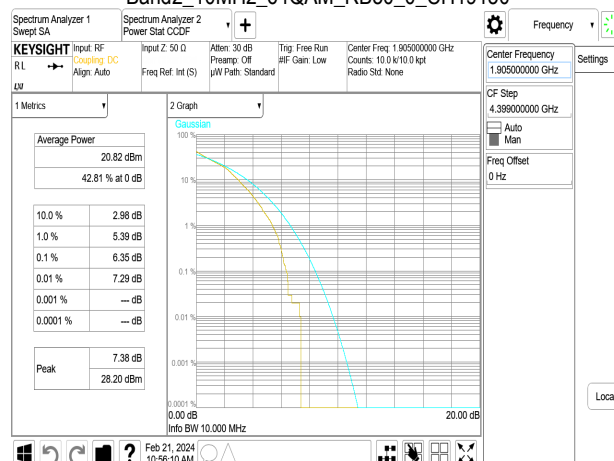
Band2_10MHz_64QAM_RB50_0_CH18900



Band2_5MHz_64QAM_RB25_0_CH19175



Band2_10MHz_64QAM_RB50_0_CH19150

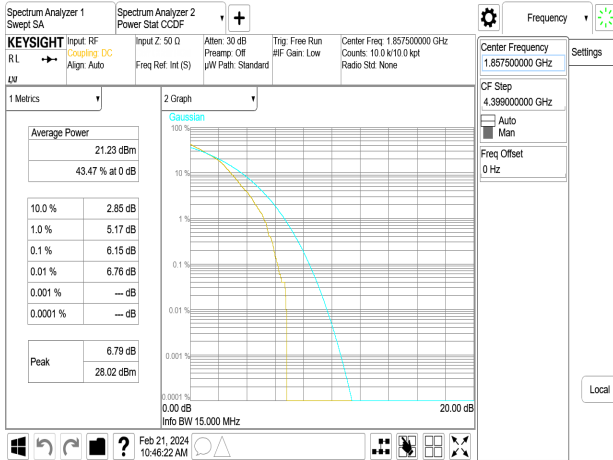


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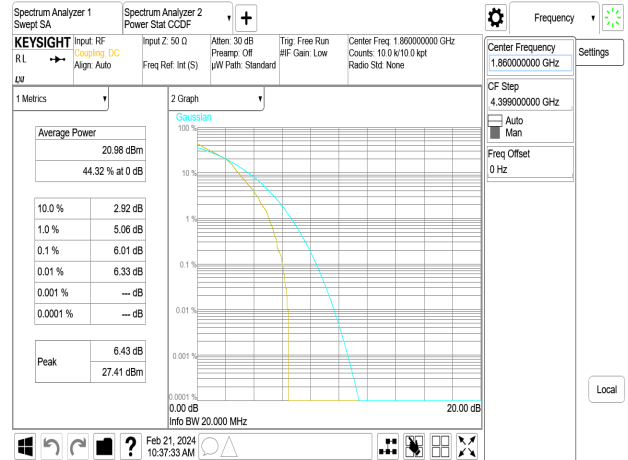
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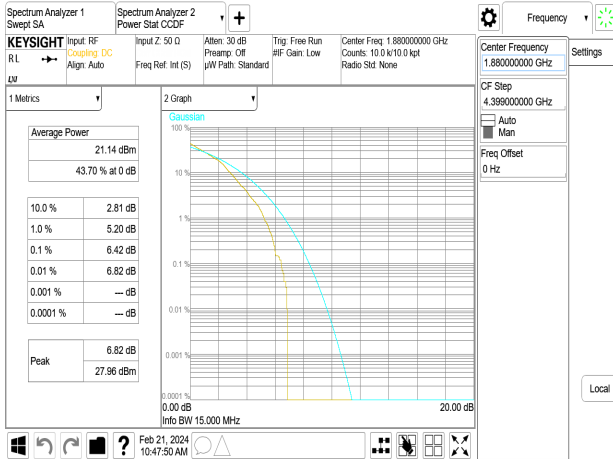
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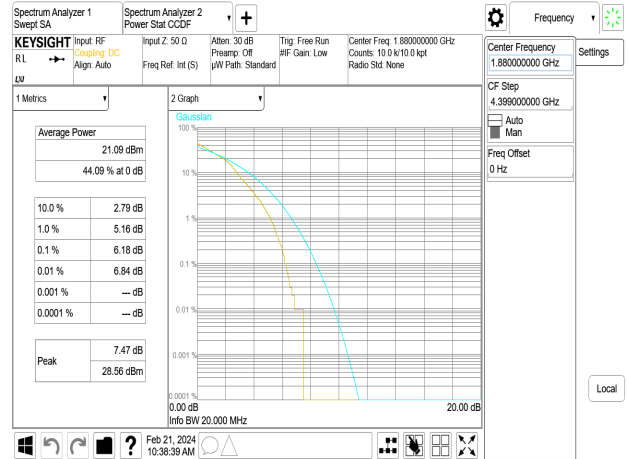
Band2_20MHz_64QAM_RB100_0_CH18700



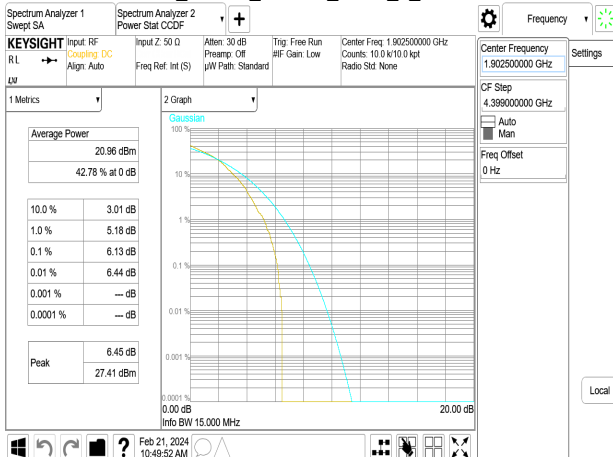
Band2_15MHz_64QAM_RB75_0_CH18900



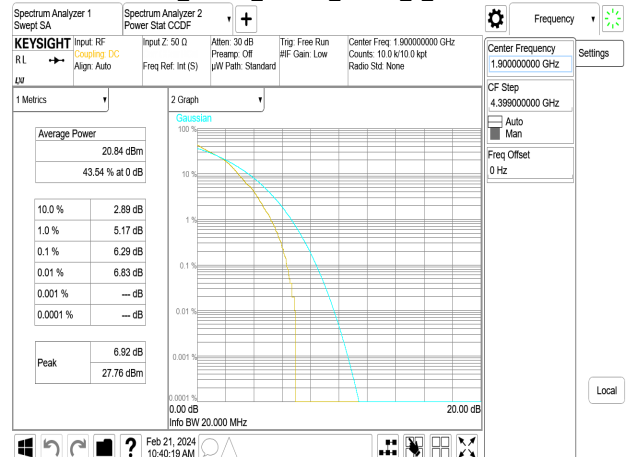
Band2_20MHz_64QAM_RB100_0_CH18900



Band2_15MHz_64QAM_RB75_0_CH19125



Band2_20MHz_64QAM_RB100_0_CH19100



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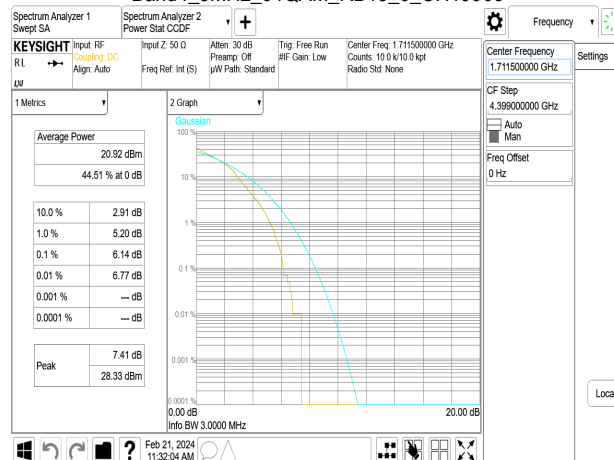
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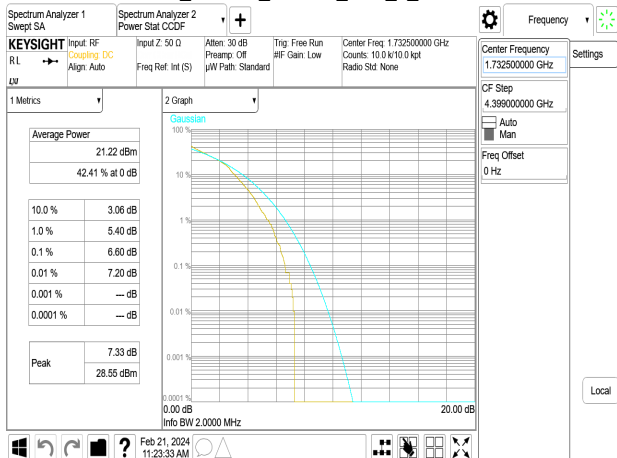
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Band4_3MHz_64QAM_RB15_0_CH19965



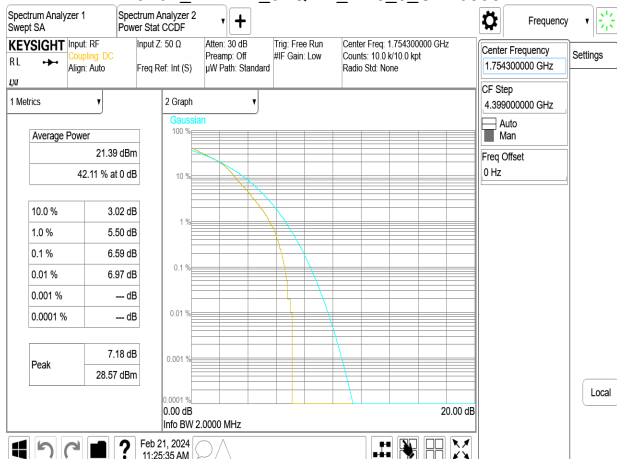
Band4_1.4MHz_64QAM_RB6_0_CH20175



Band4_3MHz_64QAM_RB15_0_CH20175



Band4_1.4MHz_64QAM_RB6_0_CH20393



Band4_3MHz_64QAM_RB15_0_CH20385



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