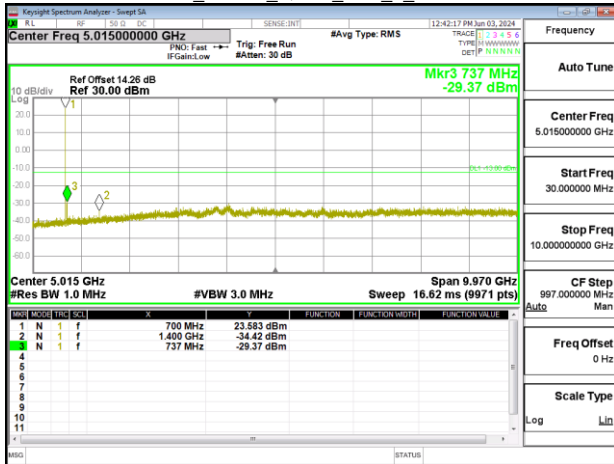
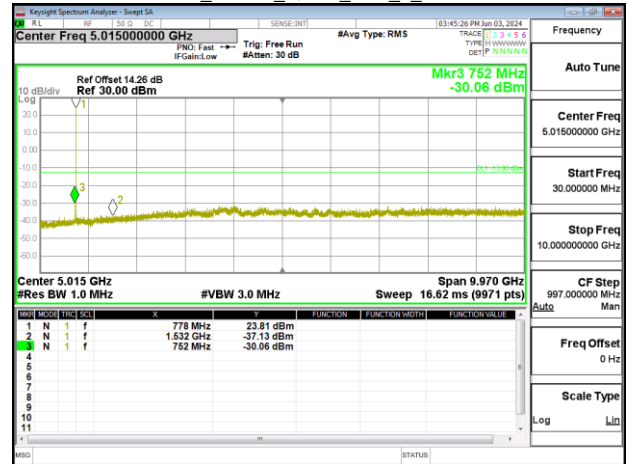


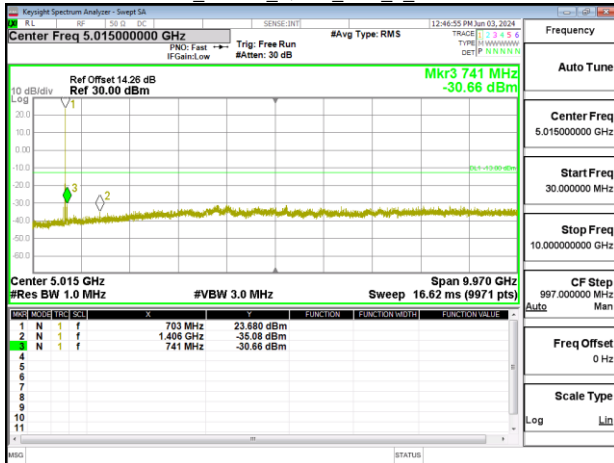
Band12_10MHz_QPSK_RB1_0_CH23060



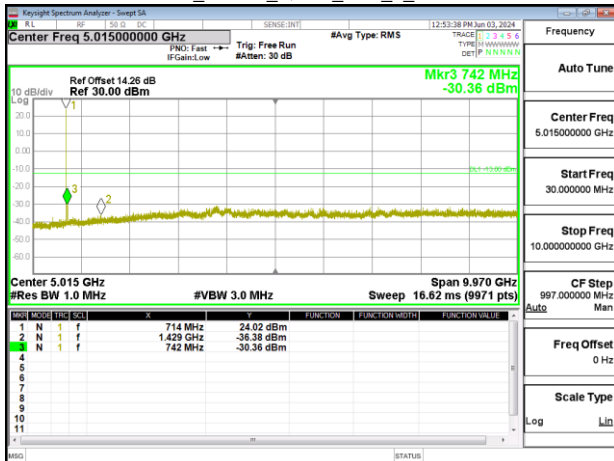
Band13_10MHz_QPSK_RB1_0_CH23230



Band12_10MHz_QPSK_RB1_0_CH23095



Band12_10MHz_QPSK_RB1_0_CH23130



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5 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

Report Number :TERF2404001191ER

Test Site :SAC 2

Operation Mode :CAT-M1 Band2

Test Date :2024-06-05

Test Mode :Tx

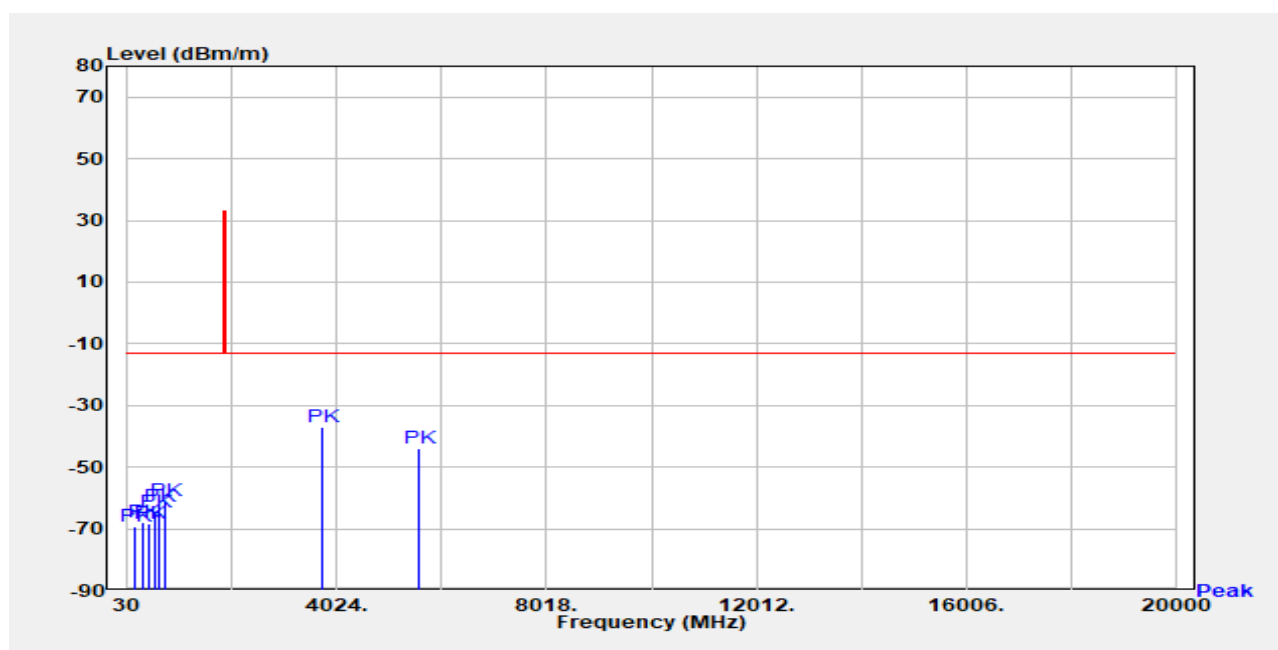
Temp./Humi. :24.5°C/58%

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1860 MHz

Engineer :Bob Chao



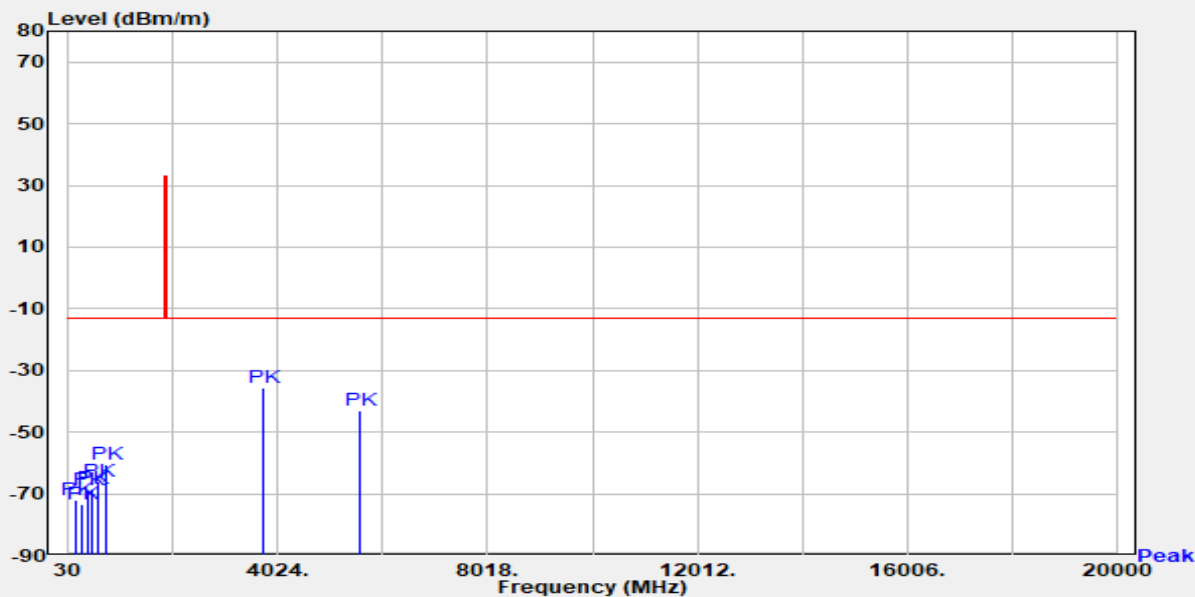
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
161.135	-69.31	-66.83	-1.07	-1.41	-13.00	-56.31
326.306	-67.92	-69.96	4.00	-1.97	-13.00	-54.92
452.436	-68.44	-70.10	3.99	-2.32	-13.00	-55.44
567.554	-64.89	-66.40	4.11	-2.60	-13.00	-51.89
630.619	-63.02	-63.87	3.58	-2.73	-13.00	-50.02
744.737	-60.77	-61.23	3.42	-2.96	-13.00	-47.77
3720.000	-36.89	-42.77	12.56	-6.68	-13.00	-23.89
5580.000	-43.96	-49.03	13.32	-8.25	-13.00	-30.96

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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1860 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
161.135	-72.15	-69.67	-1.07	-1.41	-13.00	-59.15
264.242	-73.19	-75.55	4.15	-1.79	-13.00	-60.19
381.362	-68.65	-70.71	4.18	-2.13	-13.00	-55.65
458.442	-68.36	-70.06	4.04	-2.34	-13.00	-55.36
599.587	-66.16	-67.24	3.74	-2.66	-13.00	-53.16
745.738	-60.55	-61.02	3.43	-2.96	-13.00	-47.55
3720.000	-35.44	-41.32	12.56	-6.68	-13.00	-22.44
5580.000	-42.98	-48.04	13.32	-8.25	-13.00	-29.98

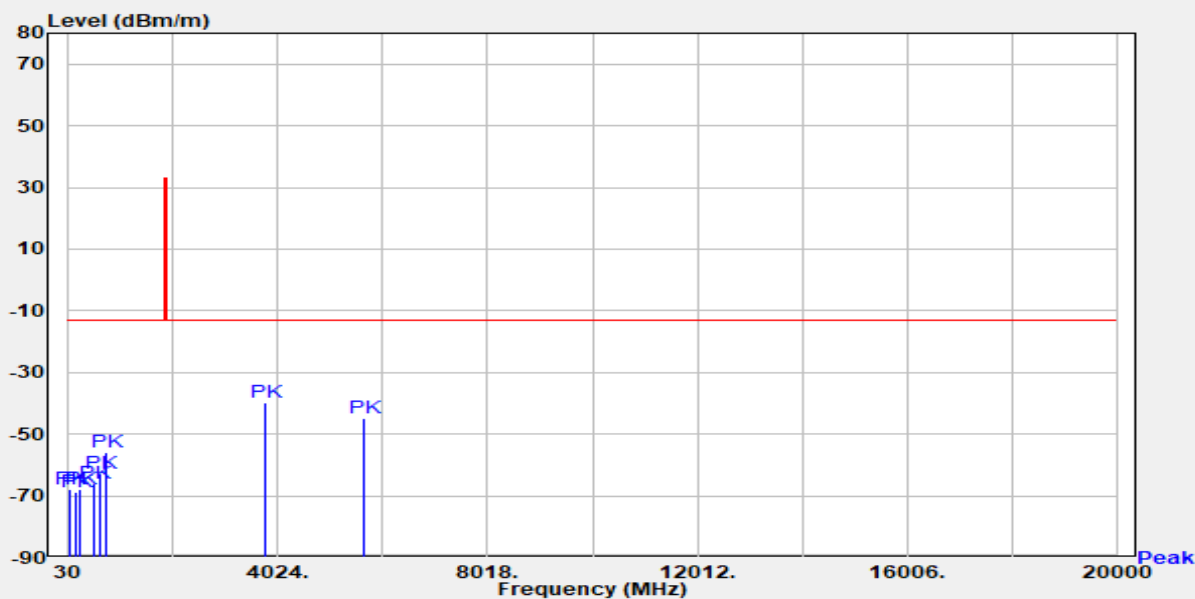
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1880 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
64.035	-68.06	-59.09	-8.09	-0.88	-13.00	-55.06
165.139	-68.77	-66.57	-0.78	-1.42	-13.00	-55.77
248.225	-67.72	-69.99	4.01	-1.74	-13.00	-54.72
515.501	-66.03	-67.59	4.03	-2.47	-13.00	-53.03
617.606	-62.90	-63.79	3.60	-2.71	-13.00	-49.90
745.738	-56.09	-56.56	3.43	-2.96	-13.00	-43.09
3760.000	-39.96	-45.71	12.46	-6.71	-13.00	-26.96
5640.000	-45.03	-50.20	13.48	-8.31	-13.00	-32.03

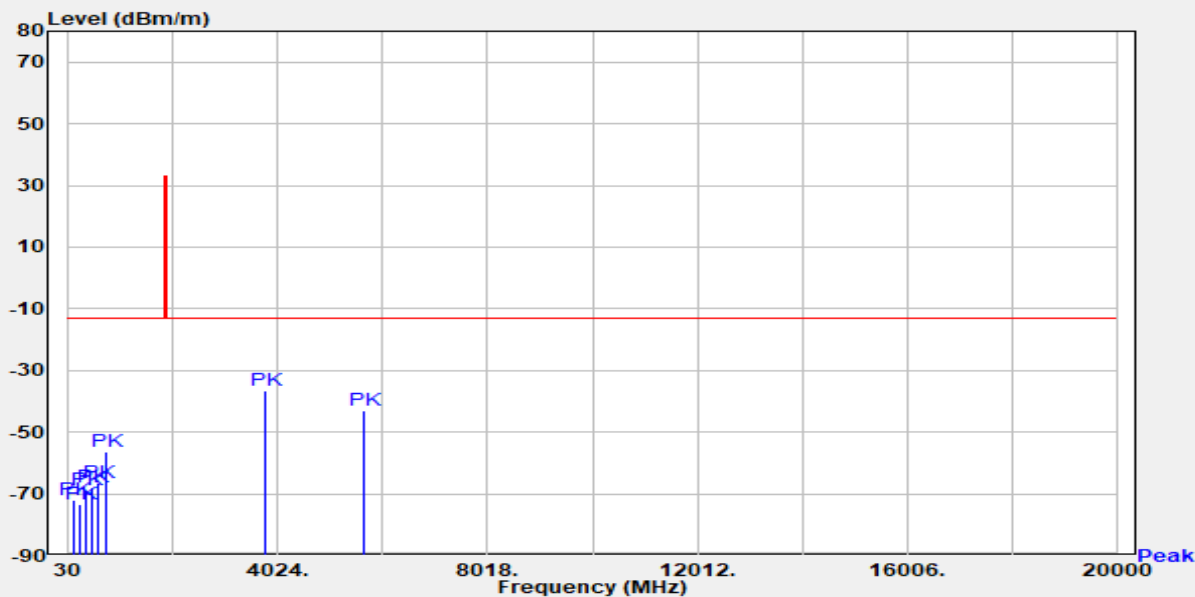
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1880 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
140.114	-72.03	-69.00	-1.72	-1.31	-13.00	-59.03
238.215	-73.45	-75.85	4.09	-1.70	-13.00	-60.45
377.358	-68.83	-70.93	4.22	-2.12	-13.00	-55.83
473.457	-67.86	-69.56	4.08	-2.38	-13.00	-54.86
583.571	-66.37	-67.67	3.93	-2.63	-13.00	-53.37
744.737	-56.21	-56.66	3.42	-2.96	-13.00	-43.21
3760.000	-36.56	-42.31	12.46	-6.71	-13.00	-23.56
5640.000	-43.14	-48.31	13.48	-8.31	-13.00	-30.14

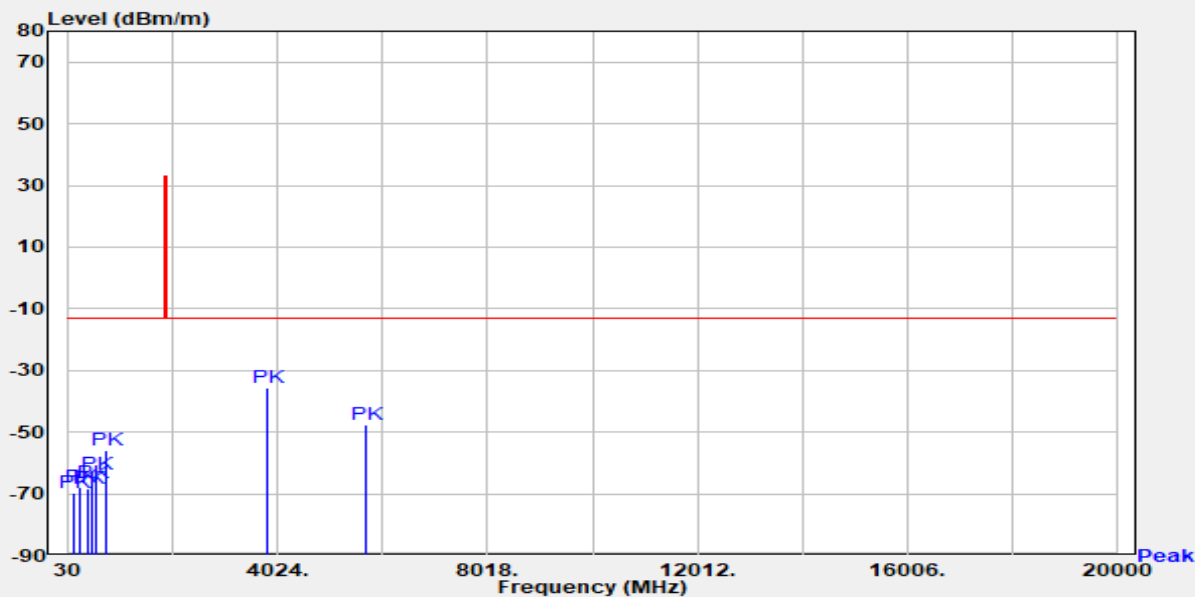
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1900 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
120.093	-69.54	-66.99	-1.31	-1.23	-13.00	-56.54
256.233	-68.06	-70.51	4.20	-1.75	-13.00	-55.06
383.364	-68.37	-70.43	4.19	-2.13	-13.00	-55.37
476.460	-66.71	-68.44	4.11	-2.39	-13.00	-53.71
550.537	-63.61	-65.34	4.29	-2.56	-13.00	-50.61
745.738	-55.91	-56.38	3.43	-2.96	-13.00	-42.91
3800.000	-35.74	-41.30	12.30	-6.74	-13.00	-22.74
5700.000	-47.51	-52.43	13.30	-8.38	-13.00	-34.51

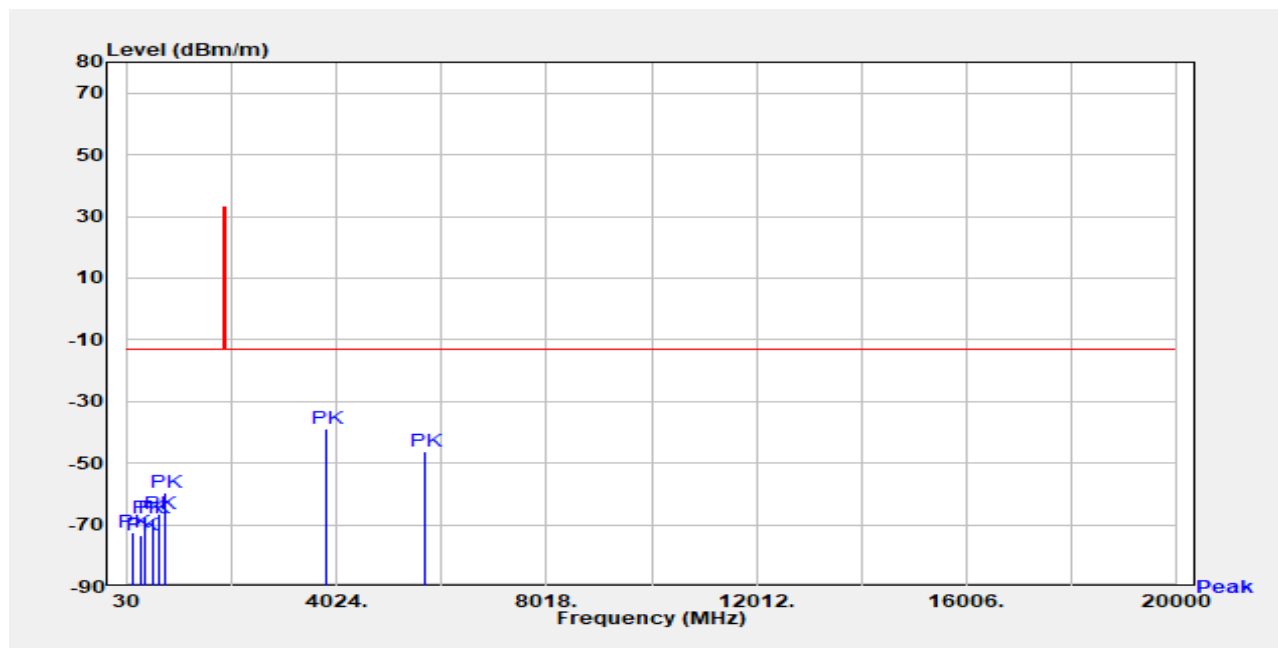
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band2
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1900 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



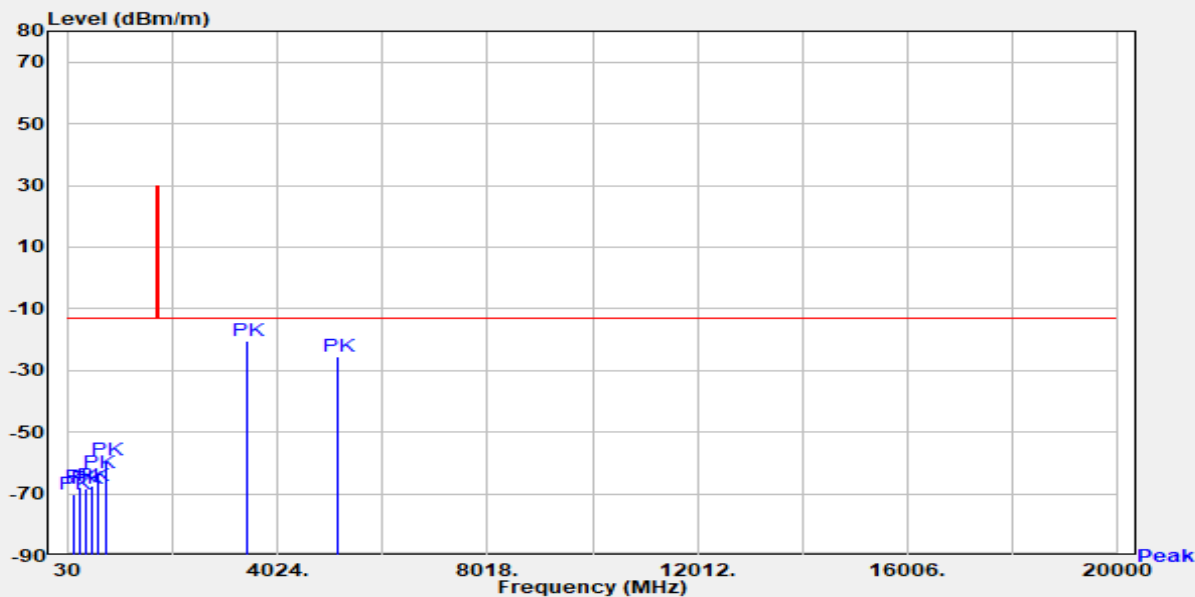
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
145.119	-72.35	-69.21	-1.81	-1.33	-13.00	-59.35
274.252	-73.20	-75.38	3.99	-1.82	-13.00	-60.20
378.359	-67.96	-70.04	4.21	-2.13	-13.00	-54.96
507.492	-67.76	-69.45	4.14	-2.45	-13.00	-54.76
638.627	-66.50	-67.36	3.61	-2.75	-13.00	-53.50
745.738	-59.55	-60.02	3.43	-2.96	-13.00	-46.55
3800.000	-38.99	-44.55	12.30	-6.74	-13.00	-25.99
5700.000	-46.00	-50.92	13.30	-8.38	-13.00	-33.00

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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1720 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
119.092	-70.02	-67.58	-1.22	-1.23	-13.00	-57.02
250.227	-67.84	-70.14	4.05	-1.74	-13.00	-54.84
368.349	-68.21	-70.50	4.40	-2.11	-13.00	-55.21
464.448	-67.39	-68.98	3.94	-2.35	-13.00	-54.39
598.586	-63.39	-64.48	3.75	-2.66	-13.00	-50.39
744.737	-59.31	-59.77	3.42	-2.96	-13.00	-46.31
3440.000	-20.39	-26.50	12.52	-6.41	-13.00	-7.39
5160.000	-25.34	-29.83	12.46	-7.96	-13.00	-12.34

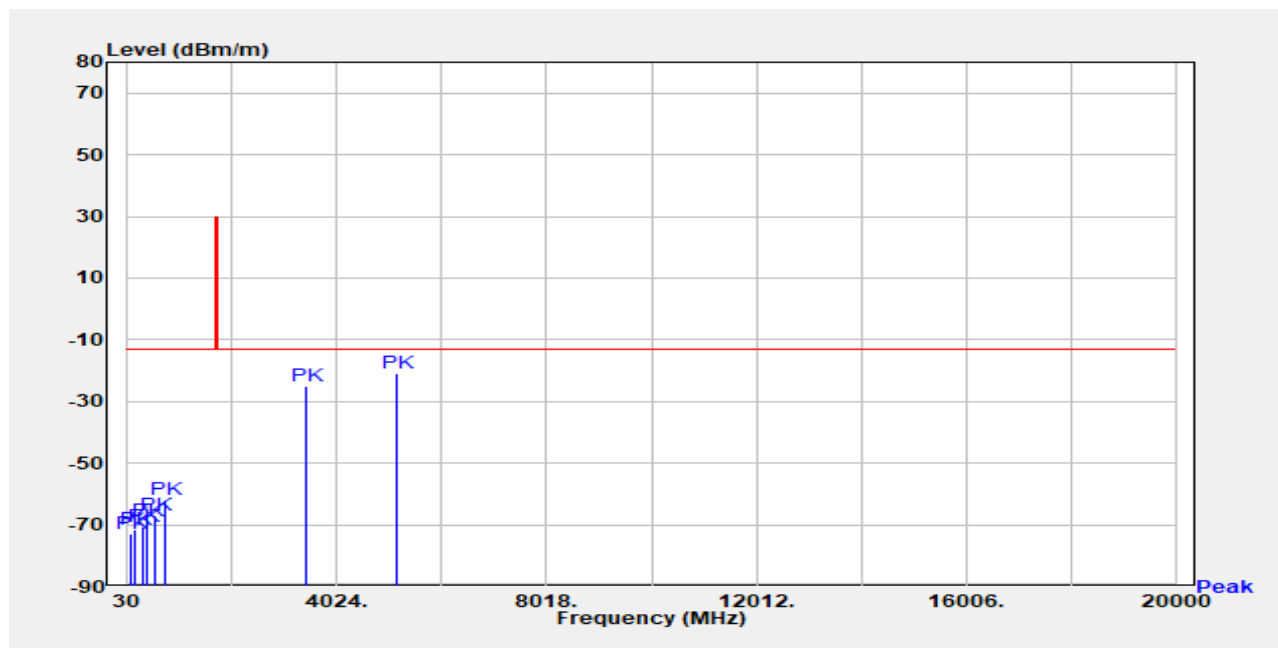
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1720 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



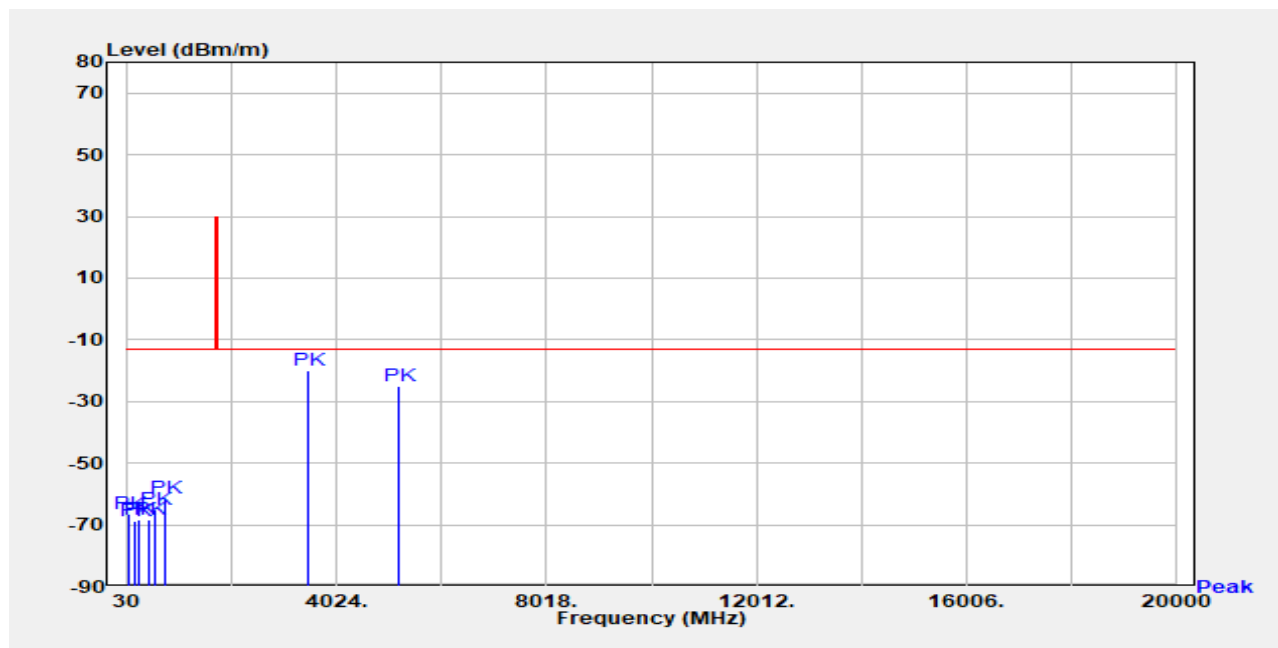
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
99.071	-73.10	-71.17	-0.80	-1.13	-13.00	-60.10
168.142	-71.68	-69.56	-0.67	-1.44	-13.00	-58.68
325.304	-70.42	-72.48	4.02	-1.96	-13.00	-57.42
404.386	-68.62	-70.66	4.23	-2.19	-13.00	-55.62
544.531	-66.80	-68.47	4.21	-2.54	-13.00	-53.80
741.734	-61.78	-62.20	3.38	-2.95	-13.00	-48.78
3440.000	-24.88	-30.99	12.52	-6.41	-13.00	-11.88
5160.000	-20.89	-25.39	12.46	-7.96	-13.00	-7.89

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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1732.5 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
44.014	-66.30	-53.48	-12.06	-0.76	-13.00	-53.30
167.141	-68.98	-66.95	-0.59	-1.43	-13.00	-55.98
249.226	-68.38	-70.67	4.03	-1.74	-13.00	-55.38
420.403	-68.28	-69.98	3.94	-2.24	-13.00	-55.28
557.544	-65.32	-67.00	4.25	-2.58	-13.00	-52.32
730.722	-61.28	-61.72	3.36	-2.92	-13.00	-48.28
3465.000	-19.96	-25.96	12.44	-6.44	-13.00	-6.96
5197.500	-24.86	-29.57	12.69	-7.98	-13.00	-11.86

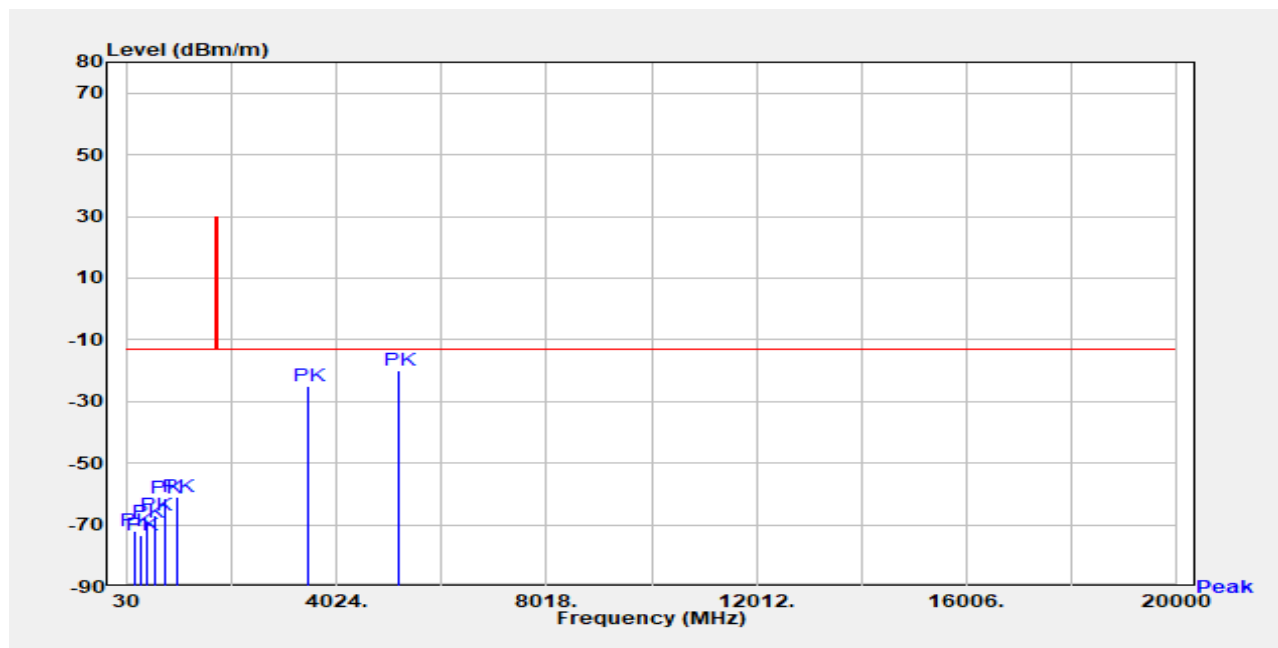
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1732.5 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



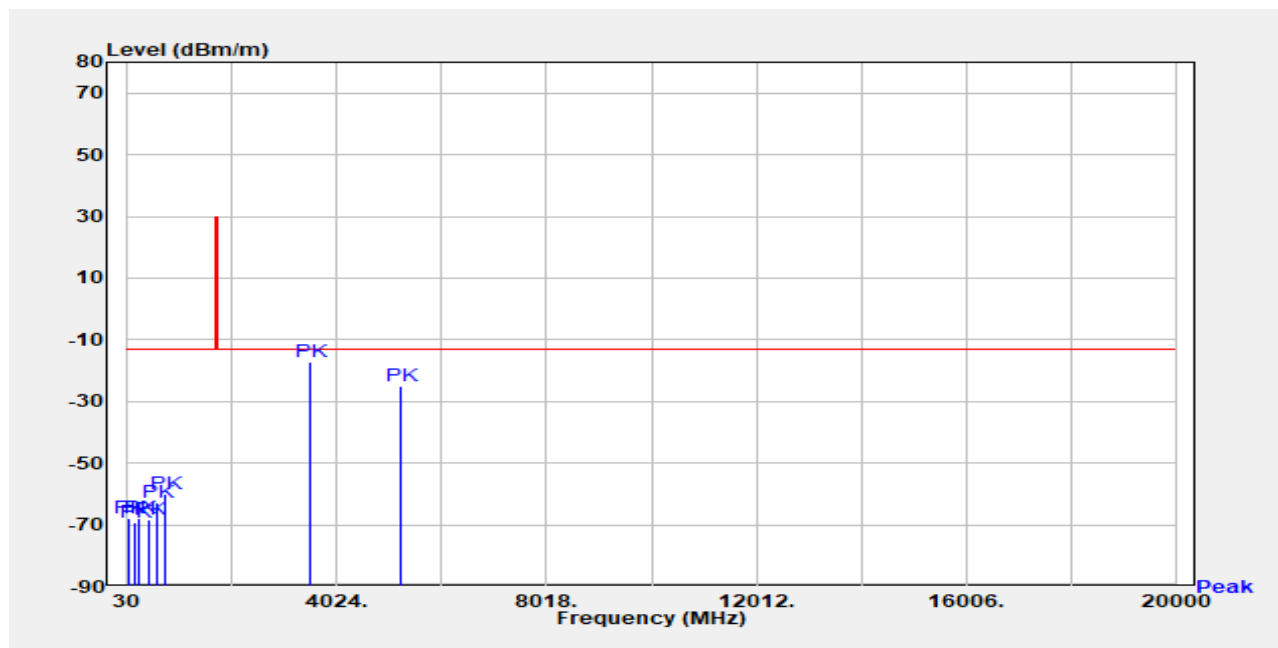
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
167.141	-72.01	-69.99	-0.59	-1.43	-13.00	-59.01
266.244	-73.29	-75.62	4.13	-1.79	-13.00	-60.29
384.365	-69.18	-71.24	4.19	-2.13	-13.00	-56.18
558.545	-67.03	-68.71	4.25	-2.58	-13.00	-54.03
745.738	-61.30	-61.76	3.43	-2.96	-13.00	-48.30
967.967	-60.77	-60.91	3.50	-3.36	-13.00	-47.77
3465.000	-25.14	-31.14	12.44	-6.44	-13.00	-12.14
5197.500	-19.80	-24.50	12.69	-7.98	-13.00	-6.80

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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1745 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
64.035	-67.70	-58.73	-8.09	-0.88	-13.00	-54.70
168.142	-69.40	-67.29	-0.67	-1.44	-13.00	-56.40
241.218	-67.91	-70.17	3.98	-1.71	-13.00	-54.91
419.402	-68.45	-70.16	3.95	-2.24	-13.00	-55.45
579.567	-62.83	-64.15	3.94	-2.63	-13.00	-49.83
739.732	-60.09	-60.50	3.36	-2.95	-13.00	-47.09
3490.000	-17.04	-22.92	12.34	-6.46	-13.00	-4.04
5235.000	-24.96	-29.94	12.98	-7.99	-13.00	-11.96

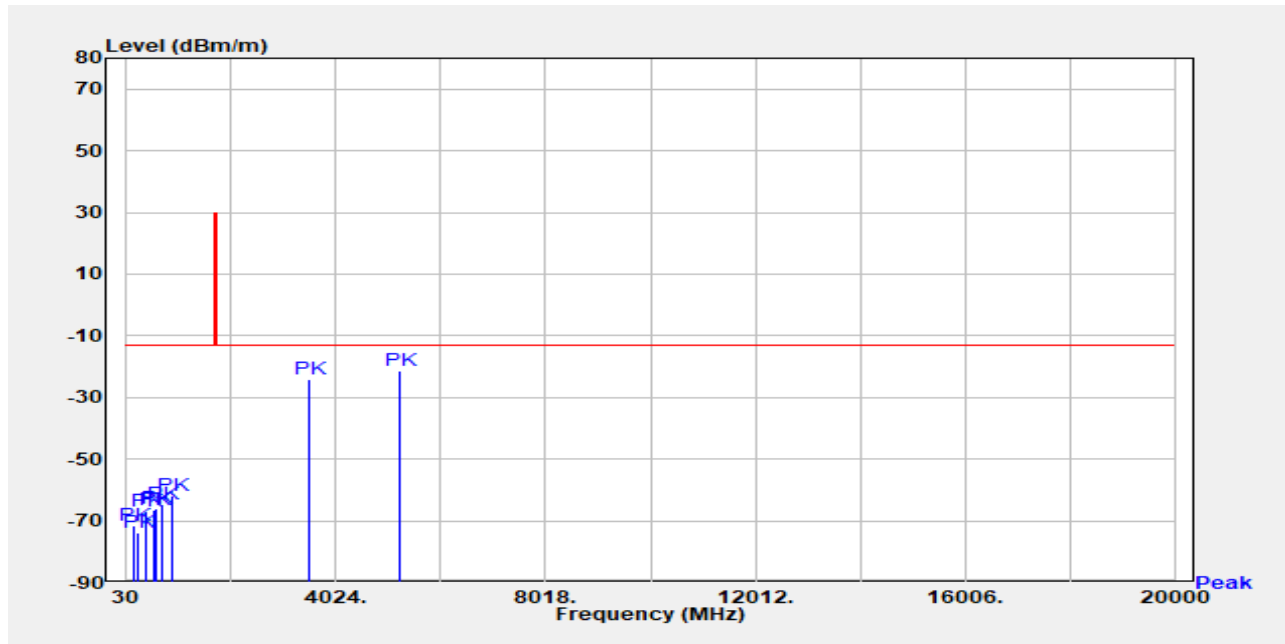
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band4
Test Mode :Tx
EUT Pol :E1 Plane
Test Frequency :1745 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
161.135	-71.73	-69.24	-1.07	-1.41	-13.00	-58.73
249.226	-73.69	-75.98	4.03	-1.74	-13.00	-60.69
379.360	-67.16	-69.22	4.19	-2.13	-13.00	-54.16
543.529	-66.41	-68.09	4.22	-2.54	-13.00	-53.41
574.561	-66.08	-67.35	3.88	-2.61	-13.00	-53.08
686.677	-64.81	-65.91	3.95	-2.84	-13.00	-51.81
897.895	-61.86	-62.44	3.83	-3.25	-13.00	-48.86
3490.000	-24.24	-30.12	12.34	-6.46	-13.00	-11.24
5235.000	-21.14	-26.13	12.98	-7.99	-13.00	-8.14

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SGS Taiwan Ltd.

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台灣檢驗科技股份有限公司

t (886-2) 2299-3279

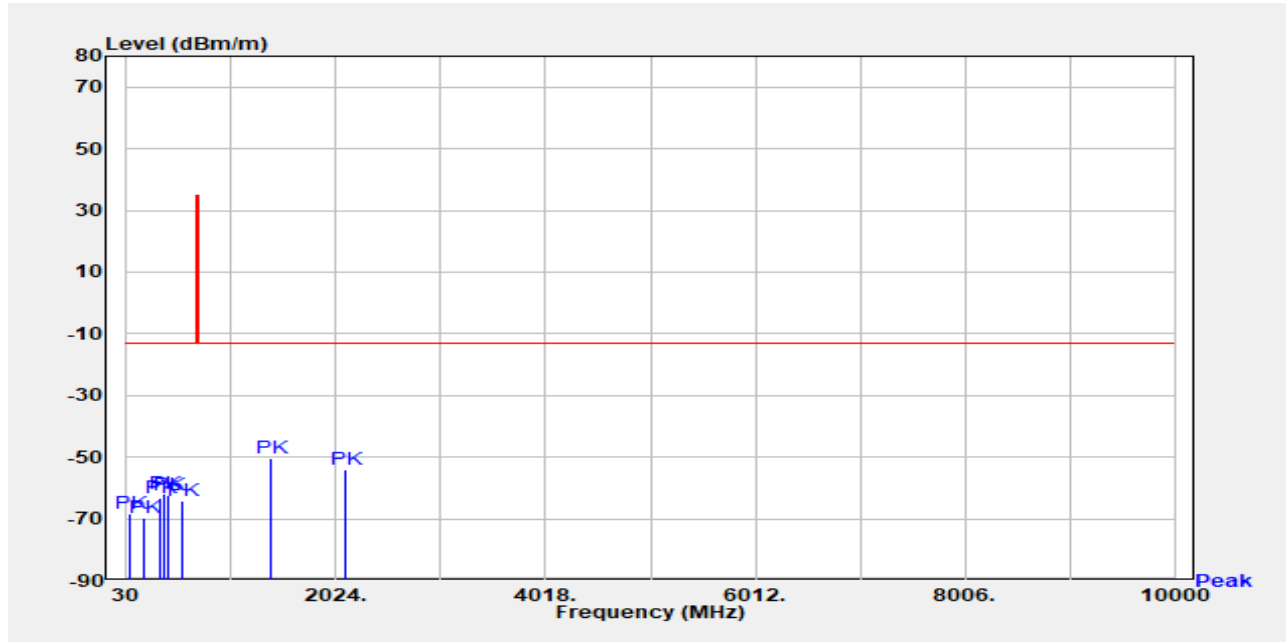
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :704 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
64.035	-68.19	-59.22	-8.09	-0.88	-13.00	-55.19
196.171	-69.78	-71.99	3.75	-1.54	-13.00	-56.78
354.334	-63.41	-65.82	4.48	-2.06	-13.00	-50.41
392.374	-61.78	-63.72	4.10	-2.16	-13.00	-48.78
431.414	-62.30	-63.98	3.95	-2.27	-13.00	-49.30
551.538	-64.20	-65.92	4.28	-2.56	-13.00	-51.20
1408.000	-50.29	-54.00	7.70	-3.99	-13.00	-37.29
2112.000	-54.25	-59.11	9.80	-4.95	-13.00	-41.25

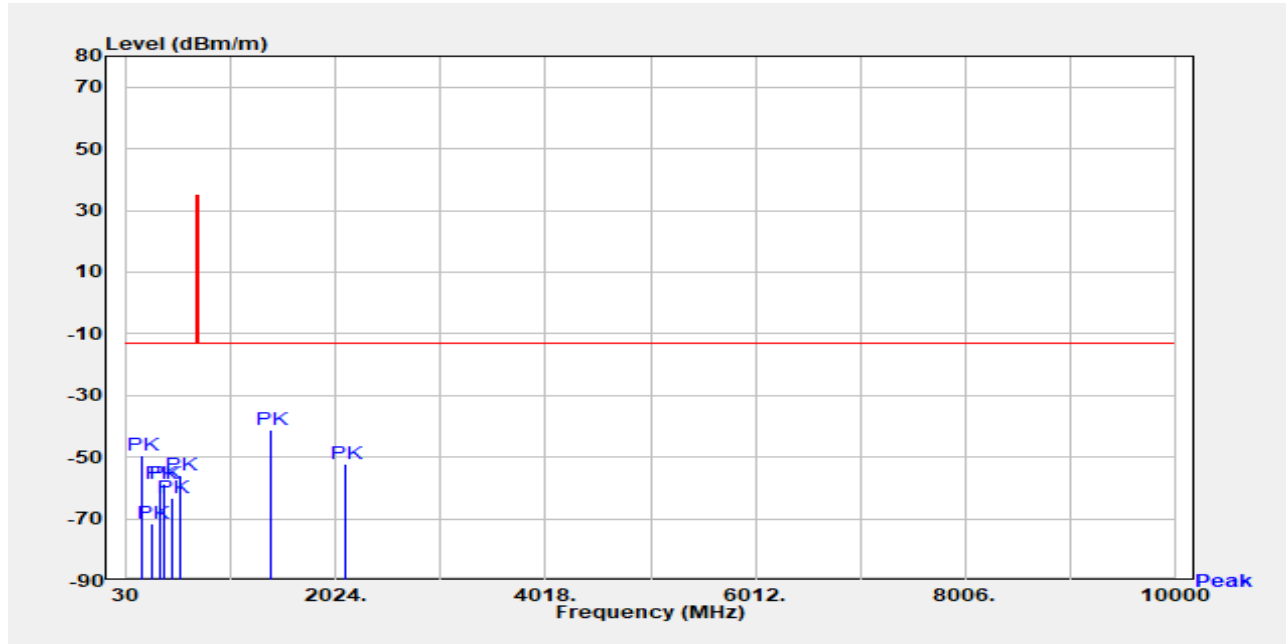
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :704 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
169.143	-49.59	-47.70	-0.44	-1.44	-13.00	-36.59
277.255	-71.40	-73.57	3.99	-1.82	-13.00	-58.40
354.334	-58.87	-61.29	4.48	-2.06	-13.00	-45.87
392.374	-58.45	-60.39	4.10	-2.16	-13.00	-45.45
470.454	-63.24	-64.90	4.03	-2.37	-13.00	-50.24
531.517	-55.91	-57.59	4.19	-2.51	-13.00	-42.91
1408.000	-41.00	-44.71	7.70	-3.99	-13.00	-28.00
2112.000	-52.10	-56.95	9.80	-4.95	-13.00	-39.10

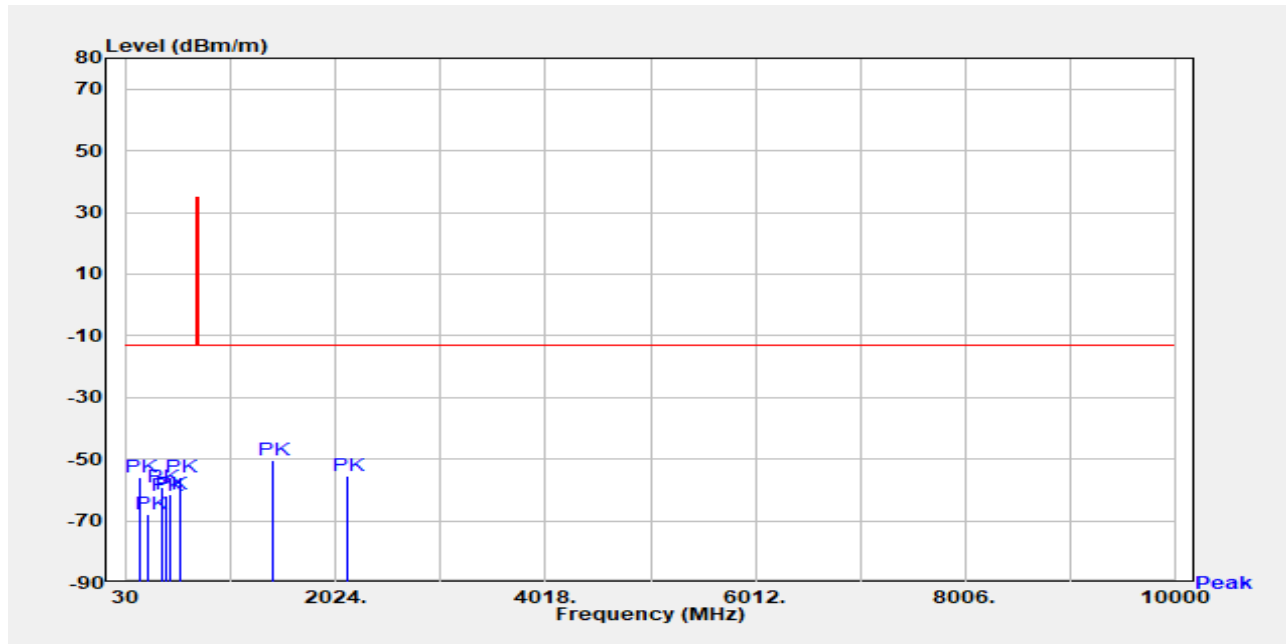
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :707.5 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
165.139	-56.04	-53.85	-0.78	-1.42	-13.00	-43.04
242.219	-67.99	-70.25	3.97	-1.71	-13.00	-54.99
358.339	-59.34	-61.84	4.57	-2.07	-13.00	-46.34
396.378	-62.02	-63.98	4.14	-2.17	-13.00	-49.02
434.417	-61.35	-63.03	3.95	-2.27	-13.00	-48.35
538.524	-55.88	-57.59	4.24	-2.53	-13.00	-42.88
1415.000	-50.42	-54.12	7.70	-4.00	-13.00	-37.42
2122.500	-55.57	-60.43	9.83	-4.96	-13.00	-42.57

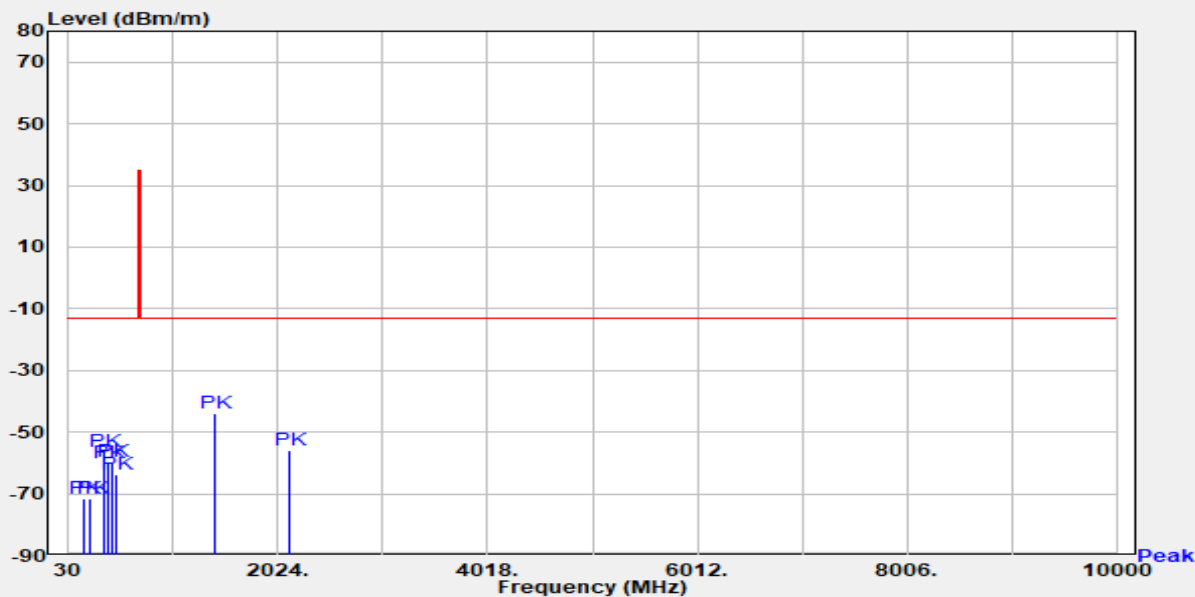
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :707.5 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
169.143	-71.45	-69.56	-0.44	-1.44	-13.00	-58.45
242.219	-71.62	-73.88	3.97	-1.71	-13.00	-58.62
358.339	-56.19	-58.69	4.57	-2.07	-13.00	-43.19
396.378	-59.90	-61.87	4.14	-2.17	-13.00	-46.90
434.417	-59.65	-61.33	3.95	-2.27	-13.00	-46.65
473.457	-63.57	-65.28	4.08	-2.38	-13.00	-50.57
1415.000	-43.96	-47.66	7.70	-4.00	-13.00	-30.96
2122.500	-55.73	-60.59	9.83	-4.96	-13.00	-42.73

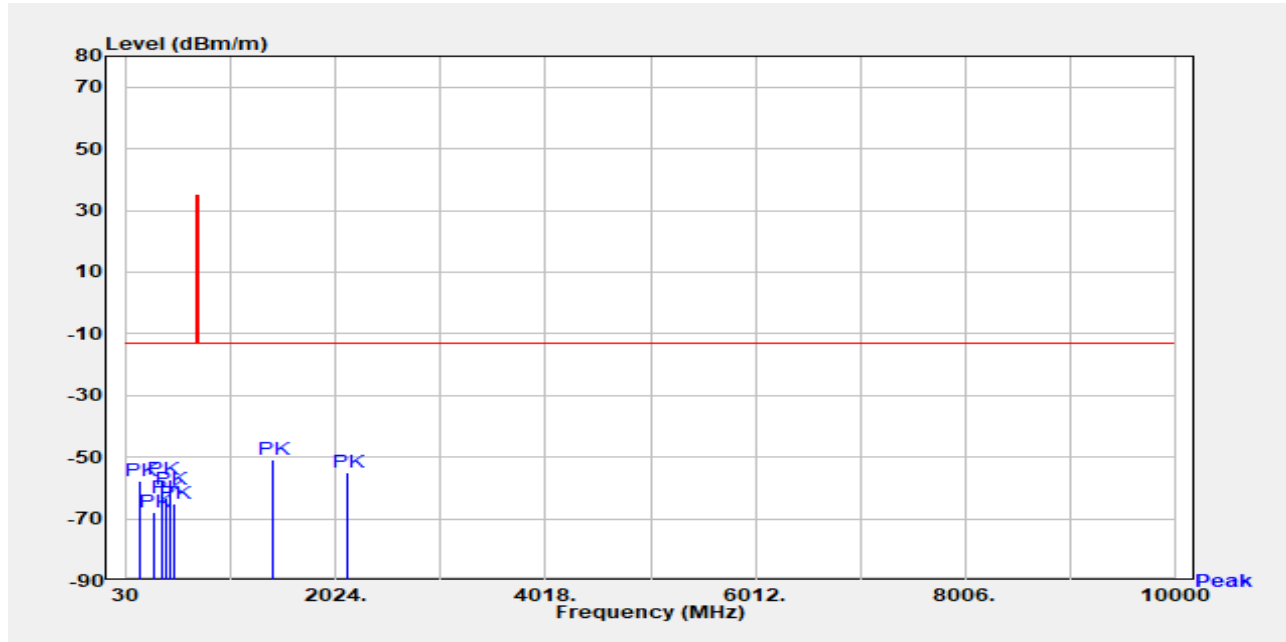
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :711 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
153.127	-57.58	-54.76	-1.45	-1.37	-13.00	-44.58
293.271	-67.71	-69.89	4.06	-1.88	-13.00	-54.71
370.351	-57.23	-59.45	4.33	-2.11	-13.00	-44.23
408.390	-63.15	-65.11	4.17	-2.20	-13.00	-50.15
446.429	-60.50	-62.14	3.95	-2.30	-13.00	-47.50
485.470	-65.10	-66.79	4.09	-2.40	-13.00	-52.10
1422.000	-50.76	-54.47	7.72	-4.01	-13.00	-37.76
2133.000	-54.96	-59.86	9.87	-4.98	-13.00	-41.96

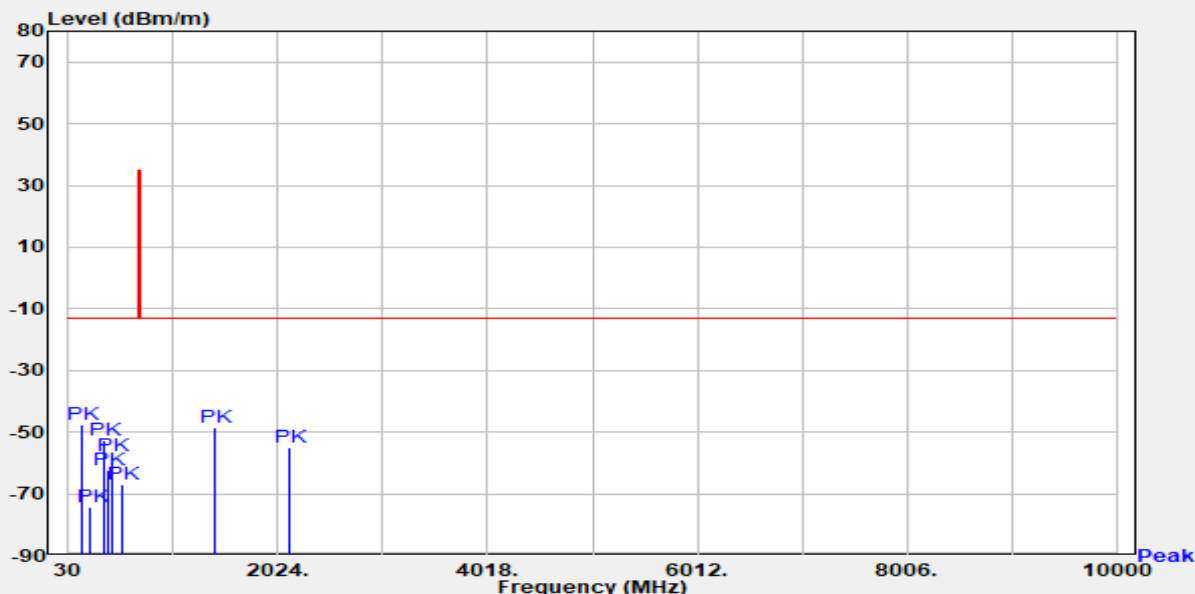
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band12
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :711 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
153.127	-47.68	-44.87	-1.45	-1.37	-13.00	-34.68
242.219	-74.19	-76.44	3.97	-1.71	-13.00	-61.19
370.351	-52.58	-54.81	4.33	-2.11	-13.00	-39.58
408.390	-62.38	-64.35	4.17	-2.20	-13.00	-49.38
446.429	-57.59	-59.23	3.95	-2.30	-13.00	-44.59
547.534	-66.84	-68.54	4.25	-2.55	-13.00	-53.84
1422.000	-48.67	-52.38	7.72	-4.01	-13.00	-35.67
2133.000	-54.97	-59.87	9.87	-4.98	-13.00	-41.97

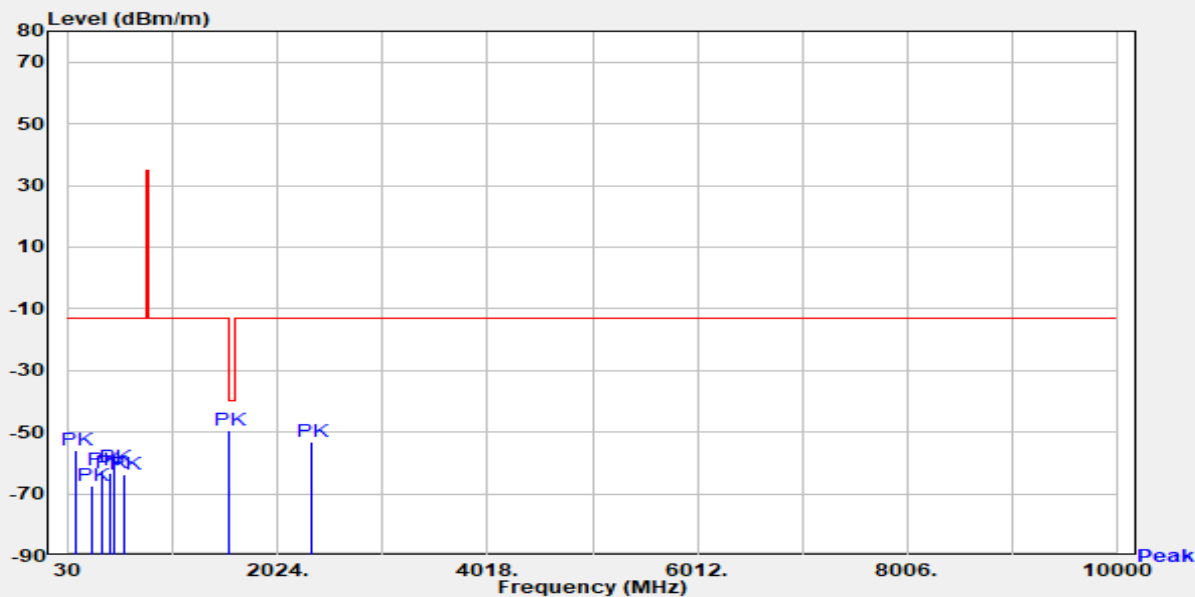
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band13
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :782 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
91.063	-55.80	-54.11	-0.63	-1.06	-13.00	-42.80
243.220	-67.37	-69.62	3.97	-1.72	-13.00	-54.37
355.335	-62.55	-64.98	4.49	-2.06	-13.00	-49.55
432.415	-63.10	-64.78	3.95	-2.27	-13.00	-50.10
470.454	-61.56	-63.22	4.03	-2.37	-13.00	-48.56
554.541	-63.95	-65.65	4.27	-2.57	-13.00	-50.95
1564.000	-49.68	-54.56	9.10	-4.22	-40.00	-9.68
2346.000	-53.23	-57.79	9.80	-5.24	-13.00	-40.23

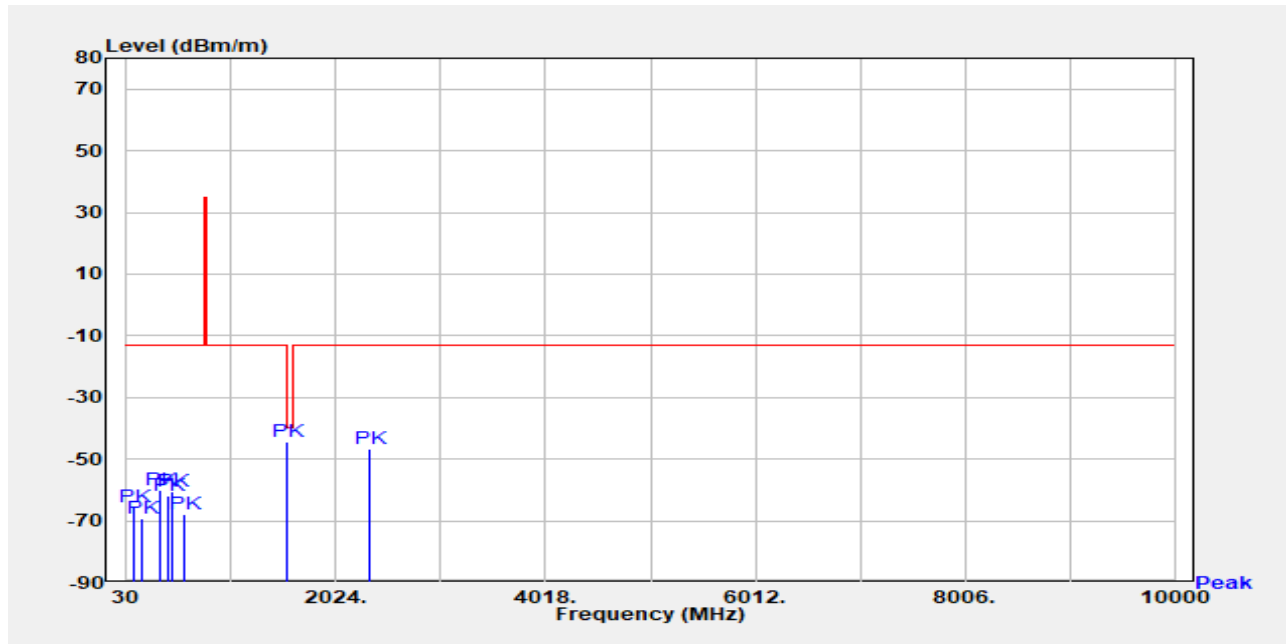
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Report Number :TERF2404001191ER
Operation Mode :CAT-M1 Band13
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :782 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
91.063	-65.77	-64.07	-0.63	-1.06	-13.00	-52.77
181.156	-69.31	-69.27	1.45	-1.49	-13.00	-56.31
356.336	-60.27	-62.72	4.51	-2.06	-13.00	-47.27
432.415	-61.83	-63.51	3.95	-2.27	-13.00	-48.83
470.454	-60.33	-61.99	4.03	-2.37	-13.00	-47.33
573.560	-67.68	-68.98	3.91	-2.61	-13.00	-54.68
1564.000	-44.37	-49.25	9.10	-4.22	-40.00	-4.37
2346.000	-46.55	-51.11	9.80	-5.24	-13.00	-33.55

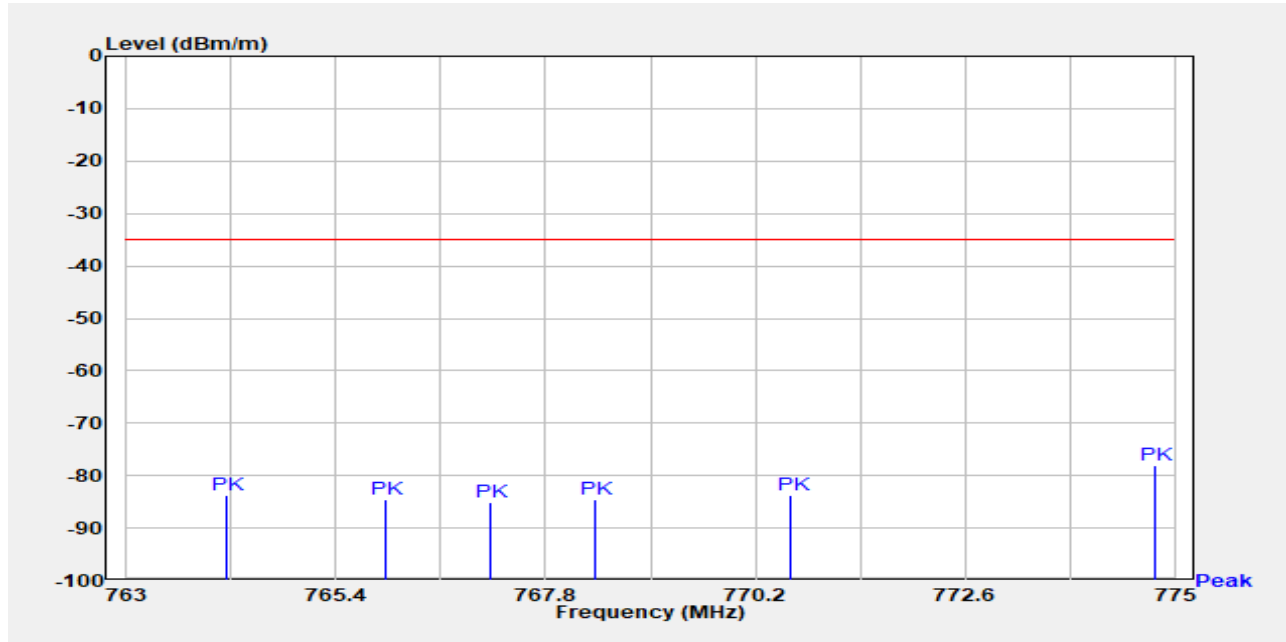
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Test Frequency :782 MHz

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Antenna Pol. :Vertical
Engineer :Bob Chao



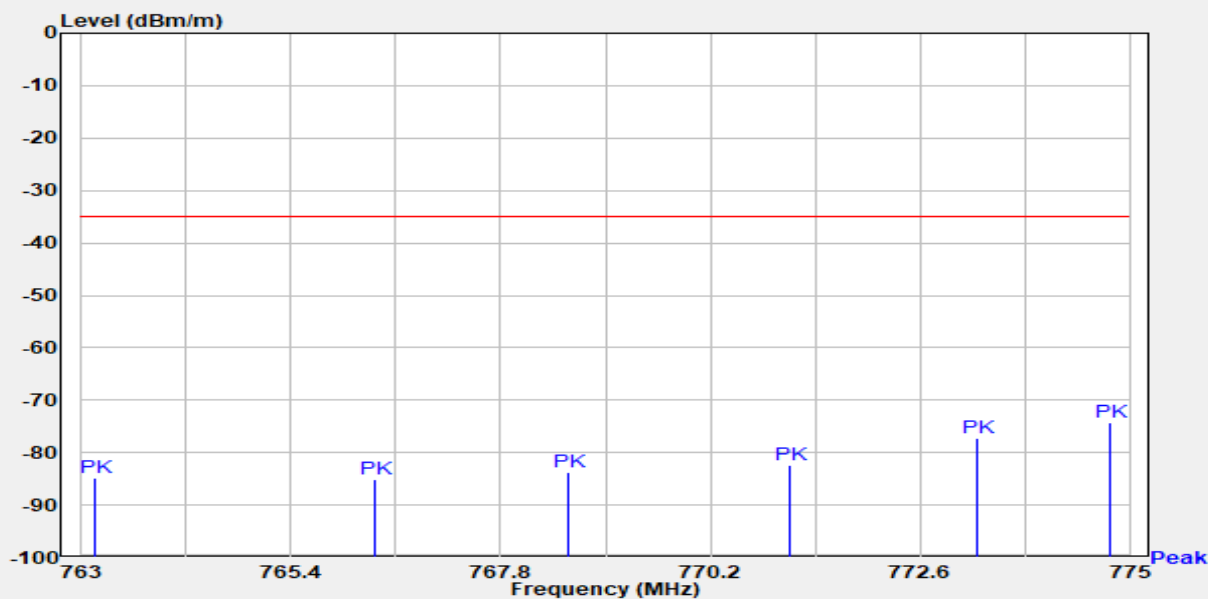
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
764.148	-83.79	-84.16	3.36	-2.99	-35.00	-48.79
765.955	-84.46	-84.81	3.34	-2.99	-35.00	-49.46
767.155	-85.01	-85.34	3.33	-3.00	-35.00	-50.01
768.373	-84.57	-84.89	3.32	-3.00	-35.00	-49.57
770.615	-83.69	-84.00	3.32	-3.01	-35.00	-48.69
774.777	-78.11	-78.46	3.37	-3.02	-35.00	-43.11

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Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :782 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
763.160	-84.91	-85.29	3.37	-2.99	-35.00	-49.91
766.362	-85.13	-85.47	3.34	-3.00	-35.00	-50.13
768.582	-83.77	-84.08	3.32	-3.00	-35.00	-48.77
771.119	-82.31	-82.62	3.32	-3.01	-35.00	-47.31
773.245	-77.22	-77.55	3.35	-3.02	-35.00	-42.22
774.785	-74.13	-74.47	3.37	-3.02	-35.00	-39.13

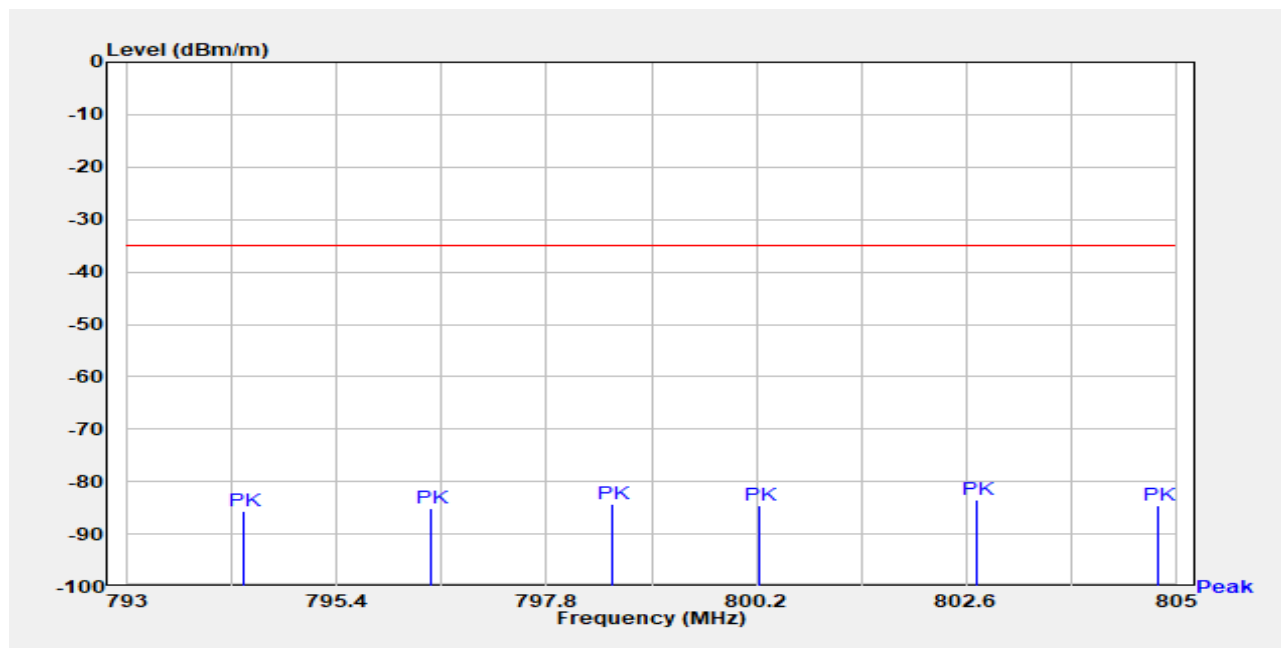
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Test Frequency :782 MHz

Test Site :SAC 2
Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Vertical
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
794.333	-85.65	-86.07	3.48	-3.06	-35.00	-50.65
796.466	-85.04	-85.52	3.53	-3.06	-35.00	-50.04
798.546	-84.39	-84.93	3.60	-3.06	-35.00	-49.39
800.243	-84.52	-85.10	3.64	-3.06	-35.00	-49.52
802.734	-83.49	-84.04	3.62	-3.07	-35.00	-48.49
804.806	-84.68	-85.21	3.60	-3.07	-35.00	-49.68

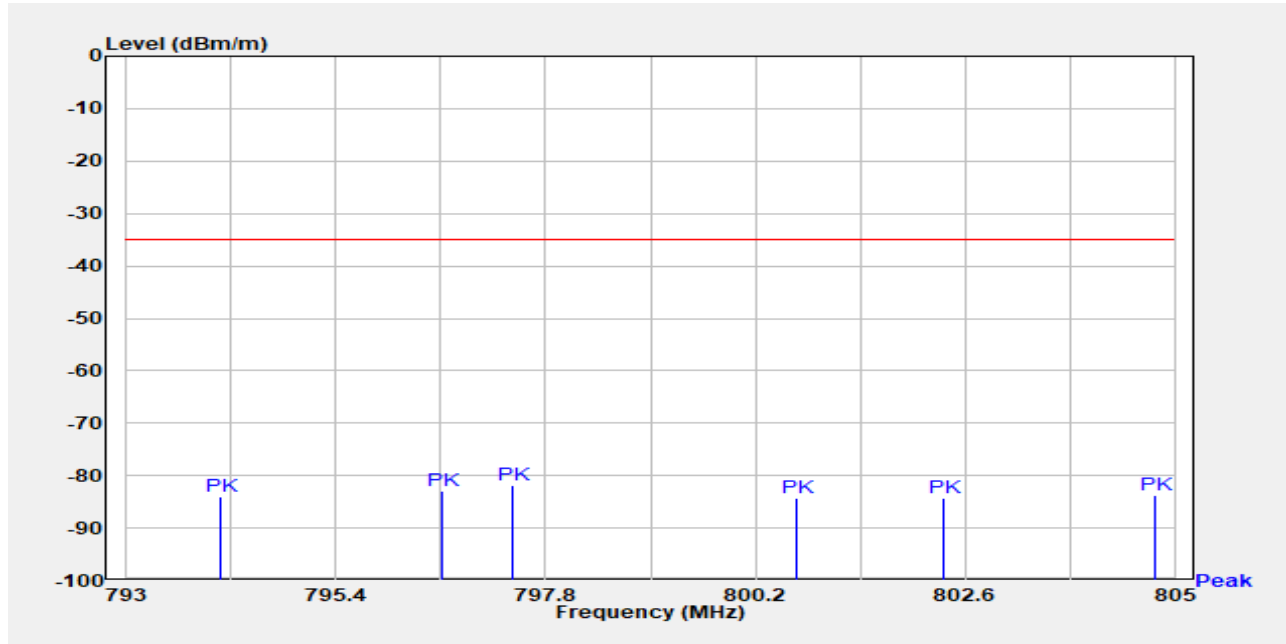
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Test Date :2024-06-05
Temp./Humi. :24.5°C/58%
Antenna Pol. :Horizontal
Engineer :Bob Chao



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
794.085	-83.99	-84.42	3.48	-3.06	-35.00	-48.99
796.614	-82.94	-83.42	3.54	-3.06	-35.00	-47.94
797.420	-81.77	-82.28	3.56	-3.06	-35.00	-46.77
800.670	-84.41	-84.98	3.63	-3.06	-35.00	-49.41
802.346	-84.41	-84.97	3.62	-3.06	-35.00	-49.41
804.783	-83.69	-84.22	3.60	-3.07	-35.00	-48.69

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6 FREQUENCY STABILITY MEASUREMENT

Reference Freq.:		CAT-M1 B2 Mid Channel		1880.0000	MHz 10M QPSK CH 18900
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.2	20	1880.000011	0.0061	+/- 2.5 ppm	
3.7	20	1880.000000	0.0000		
3.6	20	1880.000005	0.0027		
3.6 (End Point)	20	1880.000009	0.0049		
Freq. ERROR vs. Temp.					
3.7	-20	1879.999991	-0.0048	+/- 2.5 ppm	
3.7	-10	1880.000006	0.0034		
3.7	0	1880.000003	0.0014		
3.7	10	1879.999999	-0.0006		
3.7	20	1879.999998	-0.0009		
3.7	30	1880.000000	-0.0002		
3.7	40	1880.000005	0.0028		
3.7	50	1880.000002	0.0009		

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Reference Freq.:		CAT-M1 B4 Mid Channel		1732.5000	MHz 10M QPSK CH 20175
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.2	20	1732.500001	0.0008	+/- 2.5 ppm	
3.7	20	1732.499999	-0.0006		
3.6	20	1732.500003	0.0015		
3.6 (End Point)	20	1732.500004	0.0023		
Freq. ERROR vs. Temp.					
3.7	-20	1732.500012	0.0070	+/- 2.5 ppm	
3.7	-10	1732.500004	0.0024		
3.7	0	1732.500004	0.0025		
3.7	10	1732.500007	0.0038		
3.7	20	1732.500005	0.0030		
3.7	30	1732.500004	0.0022		
3.7	40	1732.500003	0.0017		
3.7	50	1732.500004	0.0021		

Reference Freq.:		CAT-M1 B12 Mid Channel		707.5000	MHz 10M QPSK CH 23095
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.2	20	707.499991	-0.0123	+/- 2.5 ppm	
3.7	20	707.500001	0.0007		
3.6	20	707.500007	0.0095		
3.6 (End Point)	20	707.500004	0.0059		
Freq. ERROR vs. Temp.					
3.7	-20	707.500011	0.0153	+/- 2.5 ppm	
3.7	-10	707.500005	0.0067		
3.7	0	707.500006	0.0089		
3.7	10	707.500000	0.0005		
3.7	20	707.500000	0.0004		
3.7	30	707.500012	0.0163		
3.7	40	707.500003	0.0048		
3.7	50	707.500000	0.0002		

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Reference Freq.:		CAT-M1 B13 Mid Channel		782.0000	MHz 10M QPSK CH 23230
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.2	20	782.000002	0.0032	+/- 2.5 ppm	
3.7	20	782.000002	0.0027		
3.6	20	782.000007	0.0085		
3.6 (End Point)	20	782.000001	0.0008		
Freq. ERROR vs. Temp.					
3.7	-20	782.000009	0.0109	+/- 2.5 ppm	
3.7	-10	782.000002	0.0030		
3.7	0	782.000004	0.0055		
3.7	10	782.000002	0.0021		
3.7	20	782.000004	0.0048		
3.7	30	781.999996	-0.0047		
3.7	40	782.000005	0.0069		
3.7	50	782.000006	0.0082		

Note: The battery is rated 3.7Vdc.

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7 PEAK TO AVERAGE RATIO

CAT-M1 BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1850.7	18607	5.88	13	1851.5	18615	5.49	13
1880.0	18900	5.64	13	1880.0	18900	5.41	13
1909.3	19193	5.91	13	1908.5	19185	5.47	13

CAT-M1 BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1852.5	18625	5.26	13	1855.0	18650	4.74	13
1880.0	18900	5.16	13	1880.0	18900	4.65	13
1907.5	19175	5.23	13	1905.0	19150	4.71	13

CAT-M1 BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1857.5	18675	4.72	13	1860.0	18700	4.74	13
1880.0	18900	4.59	13	1880.0	18900	4.48	13
1902.5	19125	4.76	13	1900.0	19100	4.81	13

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CAT-M1 BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1710.7	19957	5.40	13	1711.5	19965	5.34	13
1732.5	20175	5.58	13	1732.5	20175	5.46	13
1754.3	20393	5.59	13	1753.5	20385	5.47	13

CAT-M1 BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1712.5	19975	5.17	13	1715.0	20000	4.62	13
1732.5	20175	5.36	13	1732.5	20175	4.69	13
1752.5	20375	5.30	13	1750.0	20350	4.80	13

CAT-M1 BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
1717.5	20025	4.68	13	1720.0	20050	4.67	13
1732.5	20175	4.76	13	1732.5	20175	4.81	13
1747.5	20325	4.79	13	1745.0	20300	4.83	13

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CAT-M1 BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
699.7	23017	5.36	13	700.5	23025	5.44	13
707.5	23095	5.41	13	707.5	23095	5.44	13
715.3	23173	5.40	13	714.5	23165	5.37	13

CAT-M1 BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
701.5	23035	5.12	13	704.0	23060	4.55	13
707.5	23095	5.17	13	707.5	23095	4.61	13
713.5	23155	5.14	13	711.0	23130	4.66	13

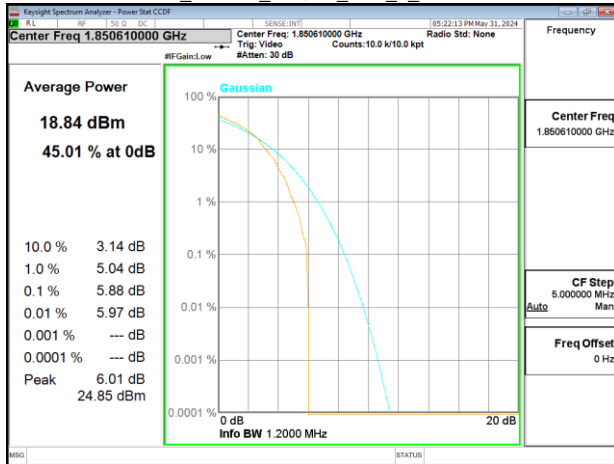
CAT-M1 BAND 13							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		16QAM	Limit			16QAM	Limit
779.5	23205	5.40	13	782.0	23230	4.93	13
782.0	23230	5.45	13				
784.5	23255	5.35	13				

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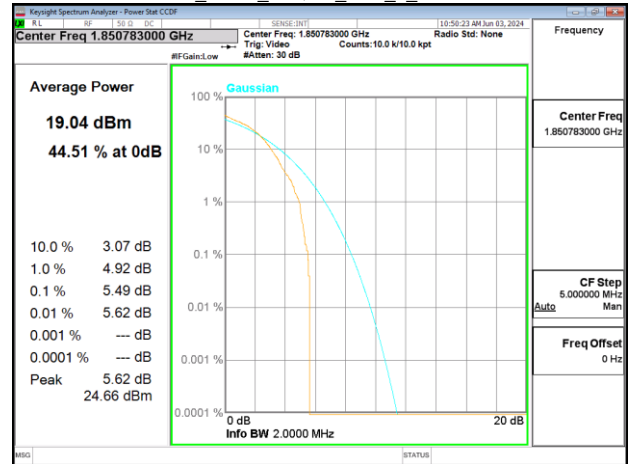
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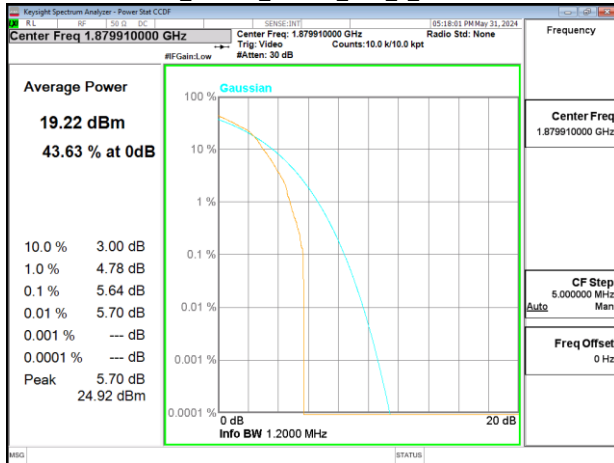
Band2_1.4MHz_16QAM_RB5_0_CH18607



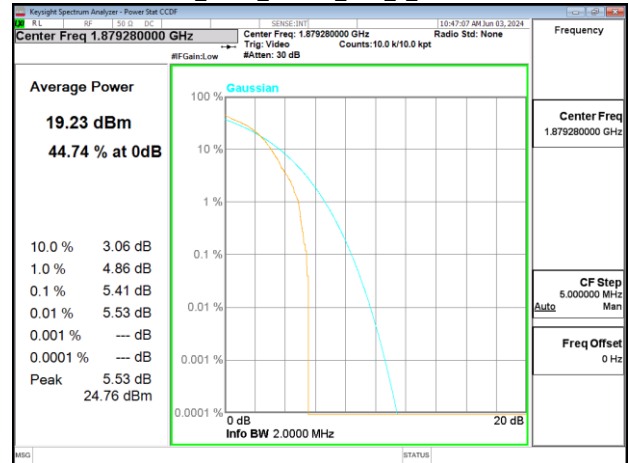
Band2_3MHz_16QAM_RB5_0_CH18615



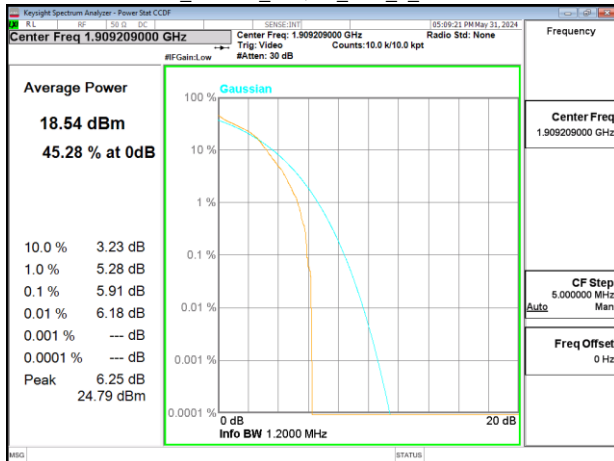
Band2_1.4MHz_16QAM_RB5_0_CH18900



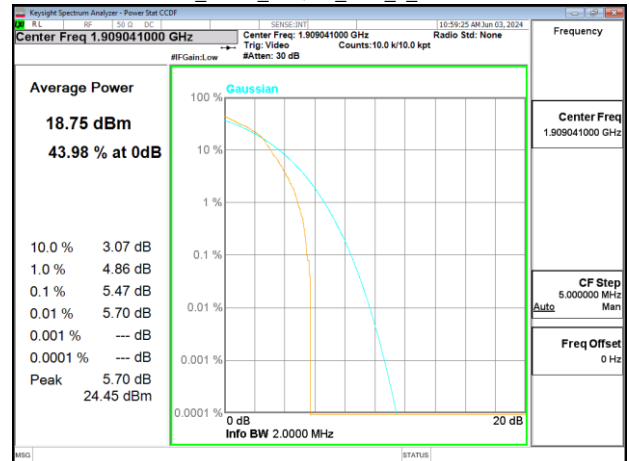
Band2_3MHz_16QAM_RB5_0_CH18900



Band2_1.4MHz_16QAM_RB5_0_CH19193



Band2_3MHz_16QAM_RB5_0_CH19185

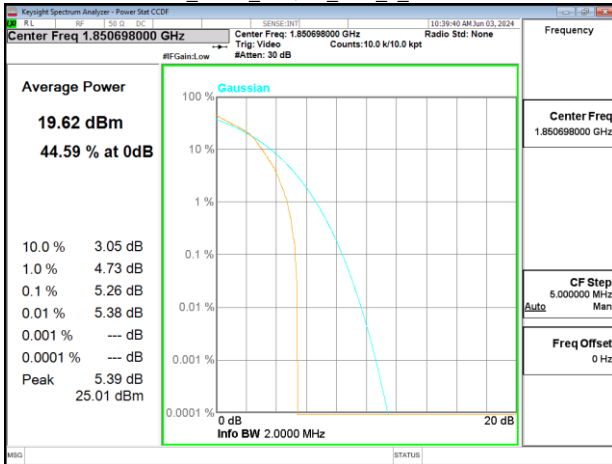


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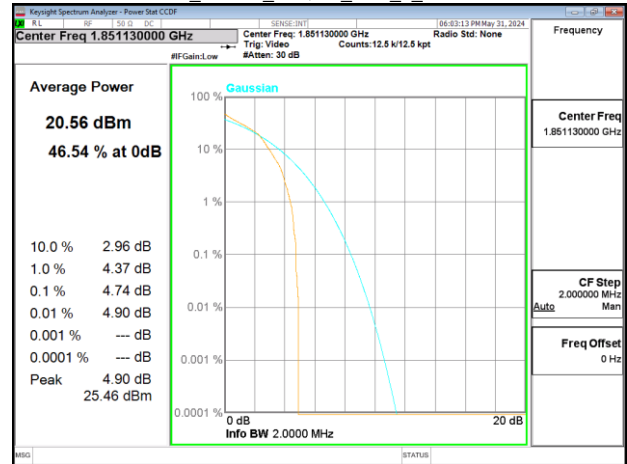
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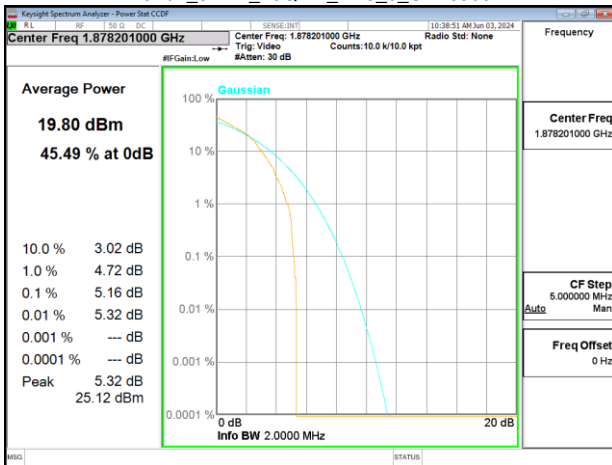
Band2_5MHz_16QAM_RB5_0_CH18625



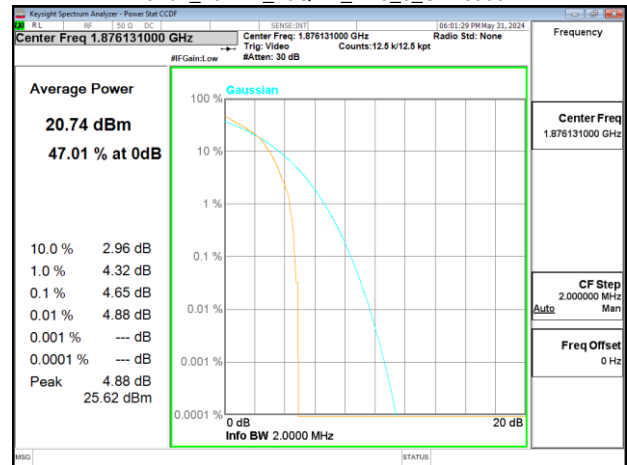
Band2_10MHz_16QAM_RB5_0_CH18650



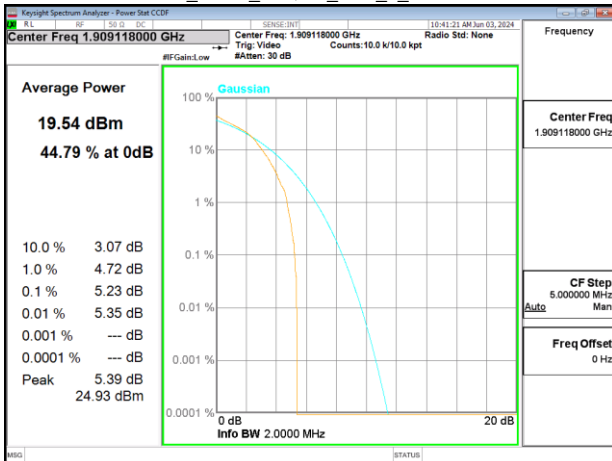
Band2_5MHz_16QAM_RB5_0_CH18900



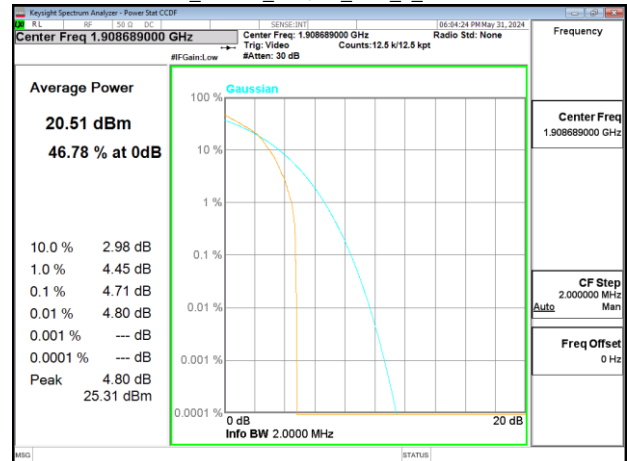
Band2_10MHz_16QAM_RB5_0_CH18900



Band2_5MHz_16QAM_RB5_0_CH19175



Band2_10MHz_16QAM_RB5_0_CH19150

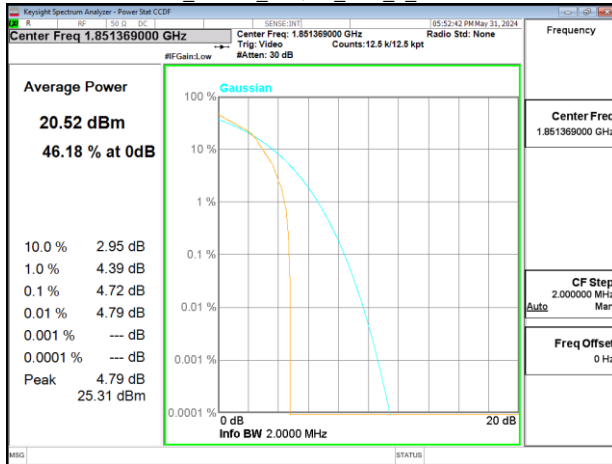


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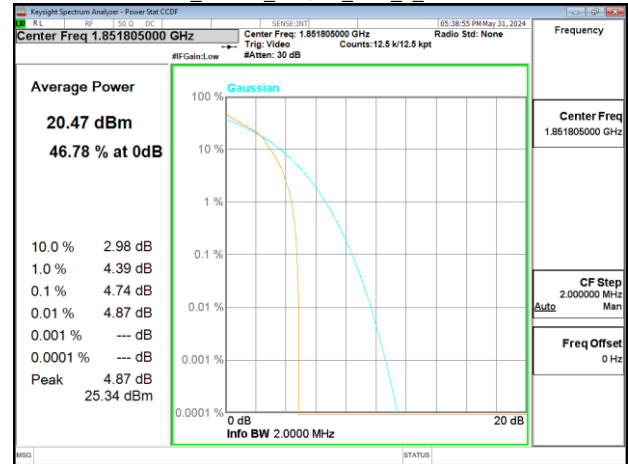
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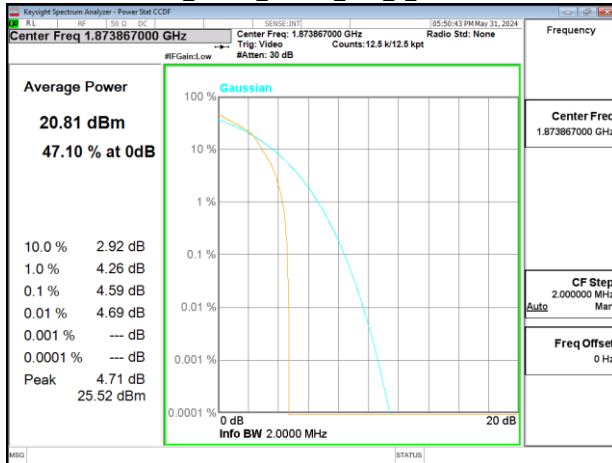
Band2_15MHz_16QAM_RB5_0_CH18675



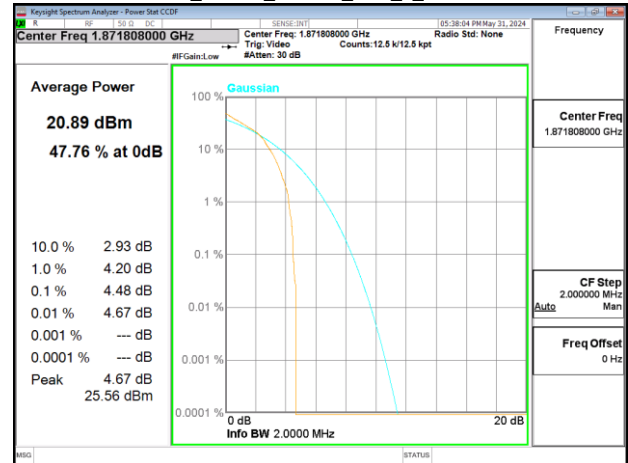
Band2_20MHz_16QAM_RB5_0_CH18700



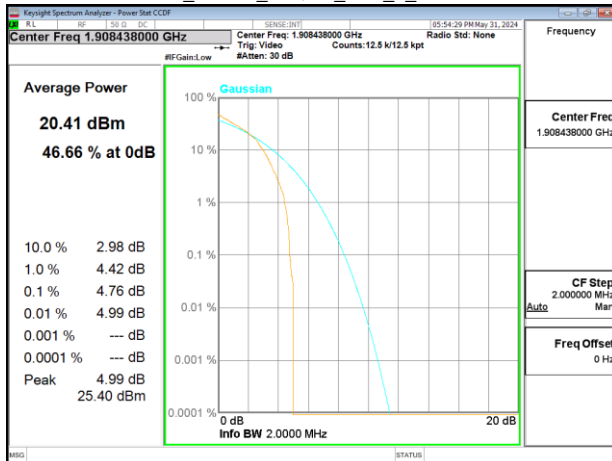
Band2_15MHz_16QAM_RB5_0_CH18900



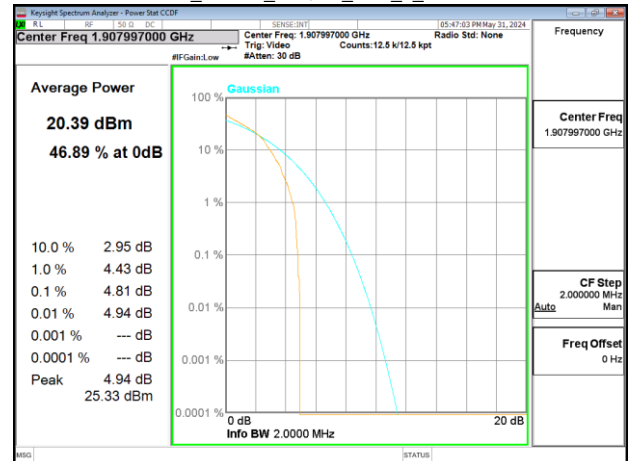
Band2_20MHz_16QAM_RB5_0_CH18900



Band2_15MHz_16QAM_RB5_0_CH19125



Band2_20MHz_16QAM_RB5_0_CH19100

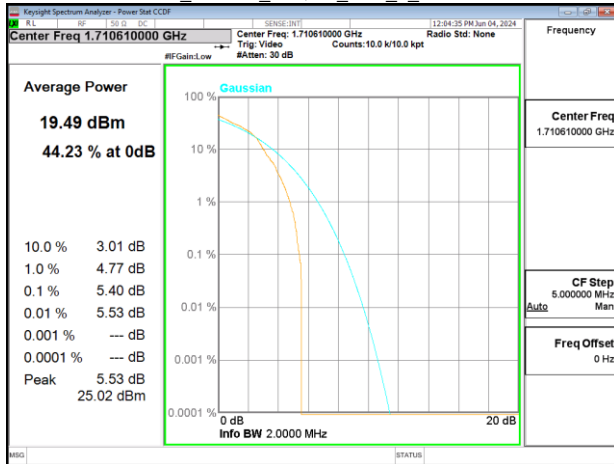


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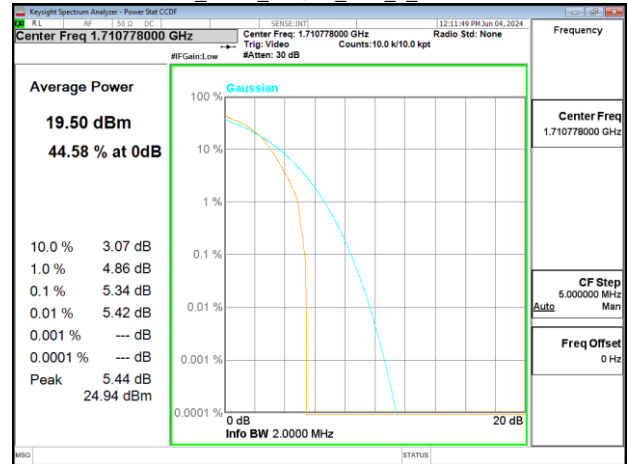
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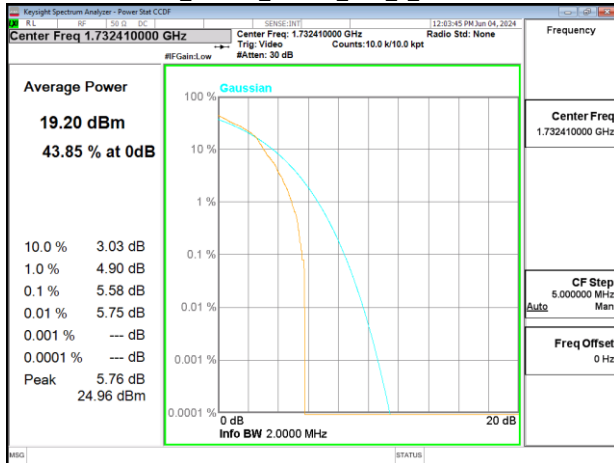
Band4_1.4MHz_16QAM_RB5_0_CH19957



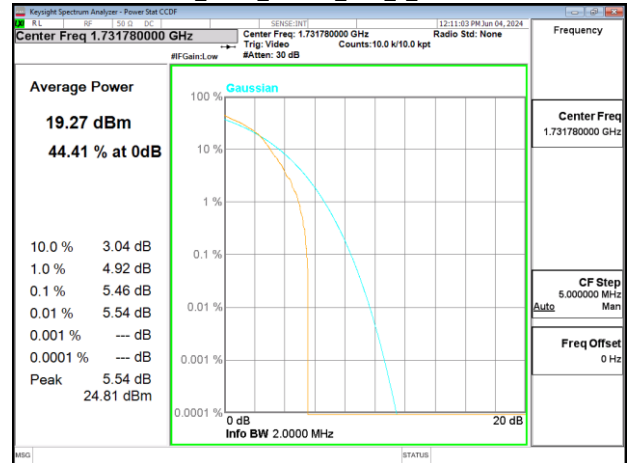
Band4_3MHz_16QAM_RB5_0_CH19965



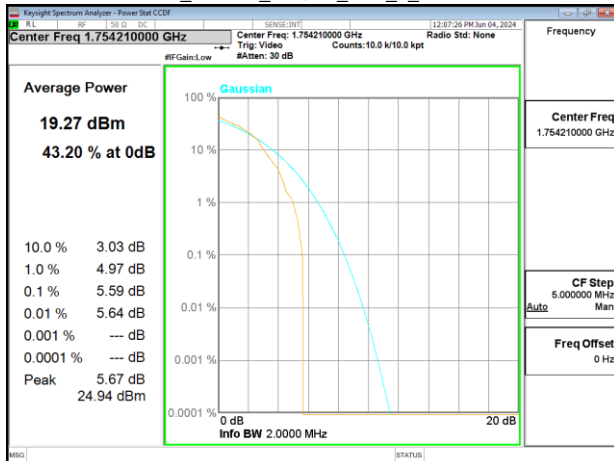
Band4_1.4MHz_16QAM_RB5_0_CH20175



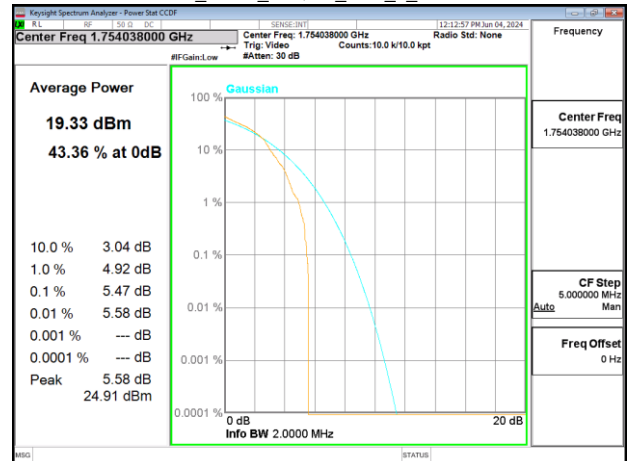
Band4_3MHz_16QAM_RB5_0_CH20175



Band4_1.4MHz_16QAM_RB5_0_CH20393



Band4_3MHz_16QAM_RB5_0_CH20385

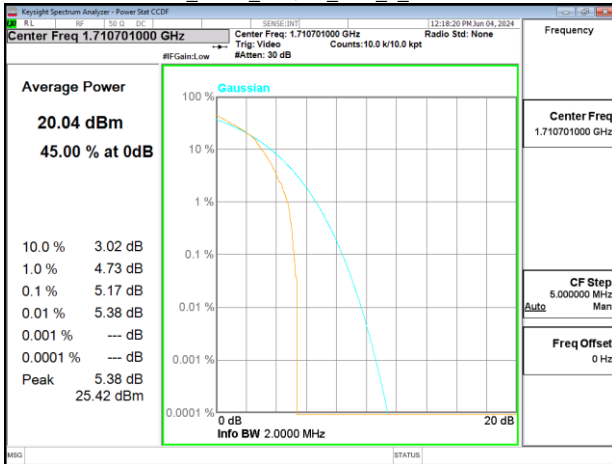


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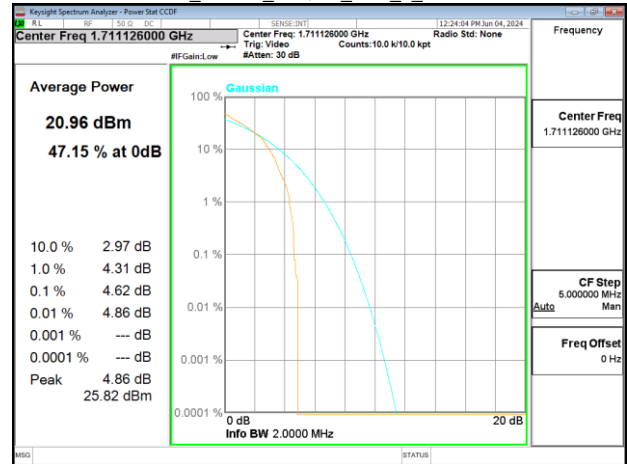
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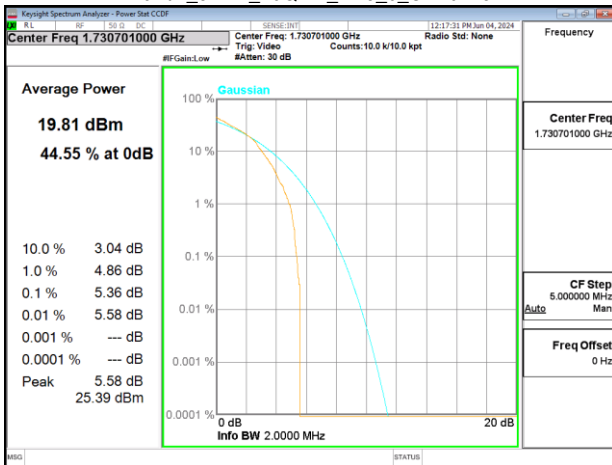
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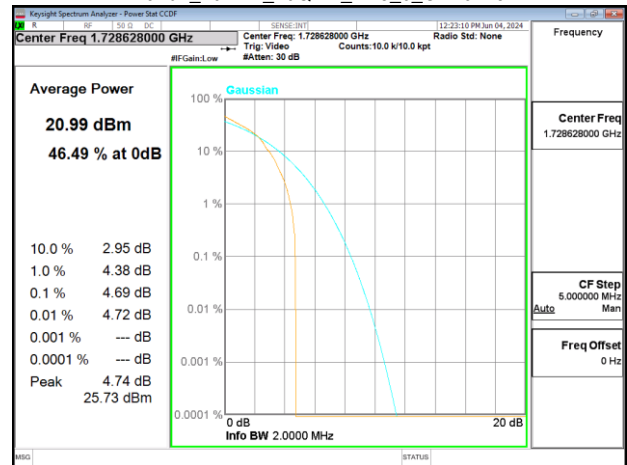
Band4_10MHz_16QAM_RB5_0_CH20000



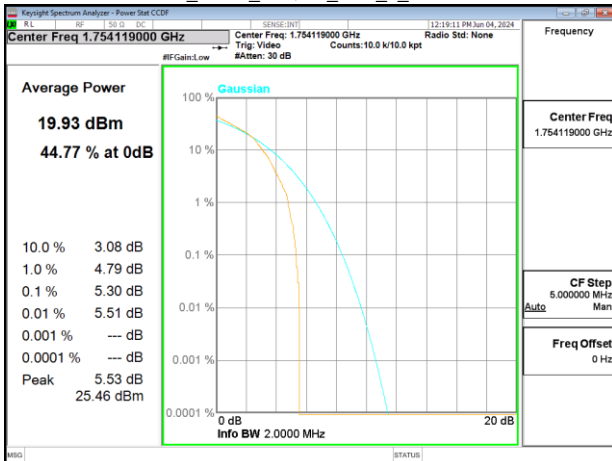
Band4_5MHz_16QAM_RB5_0_CH20175



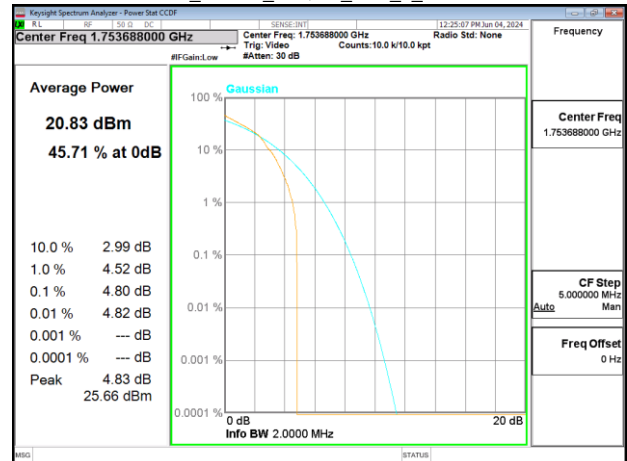
Band4_10MHz_16QAM_RB5_0_CH20175



Band4_5MHz_16QAM_RB5_0_CH20375



Band4_10MHz_16QAM_RB5_0_CH20350

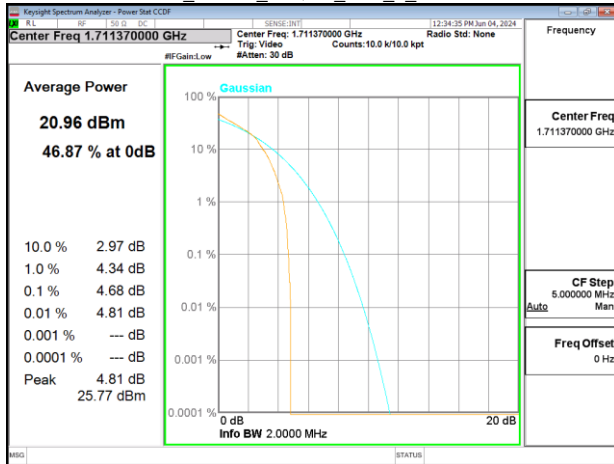


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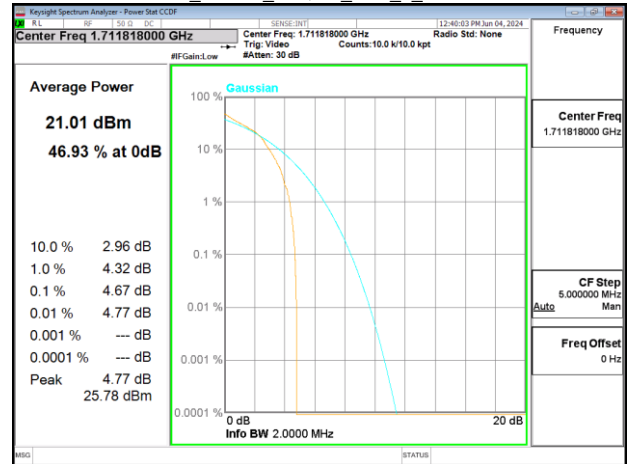
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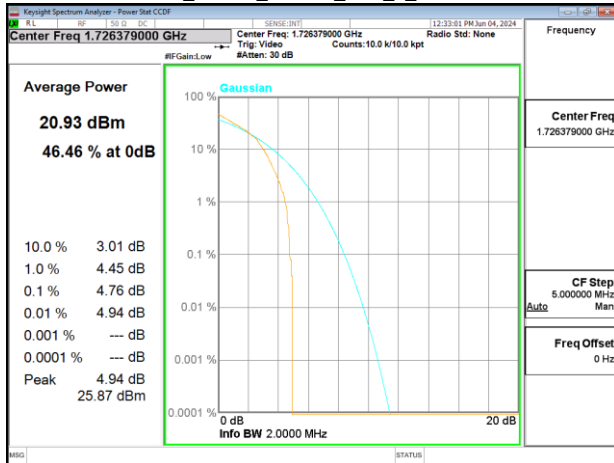
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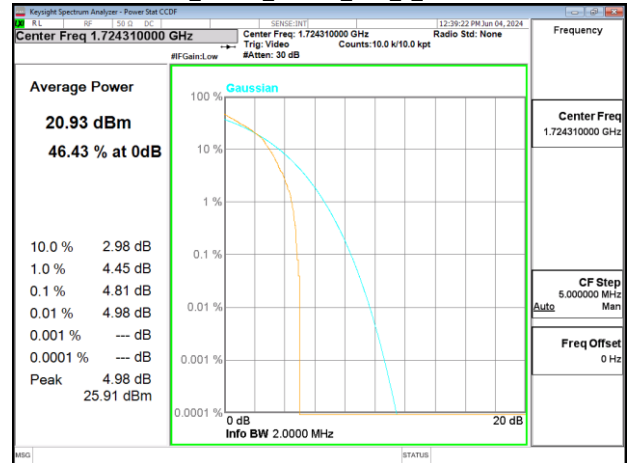
Band4_20MHz_16QAM_RB5_0_CH20050



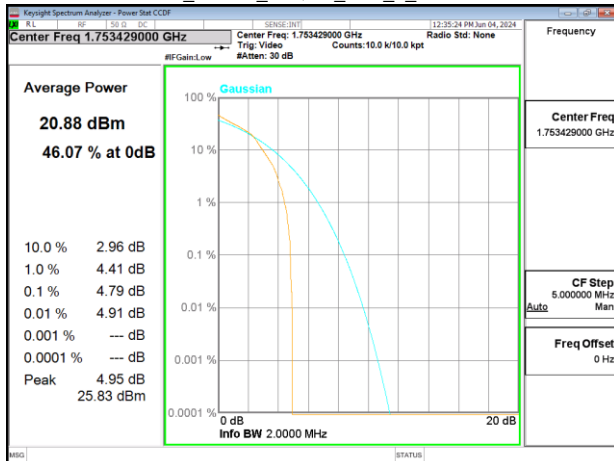
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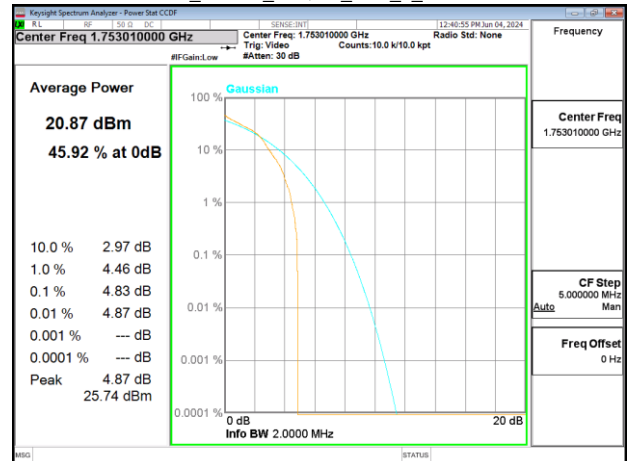
Band4_20MHz_16QAM_RB5_0_CH20175



Band4_15MHz_16QAM_RB5_0_CH20325



Band4_20MHz_16QAM_RB5_0_CH20300

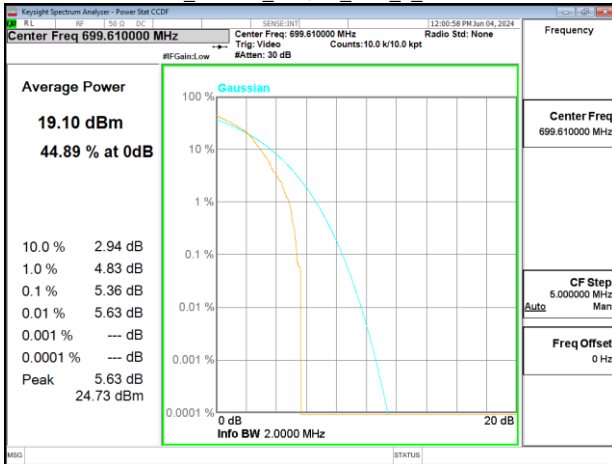


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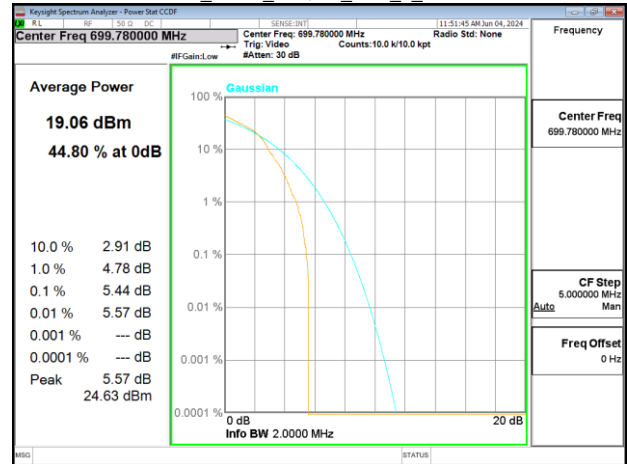
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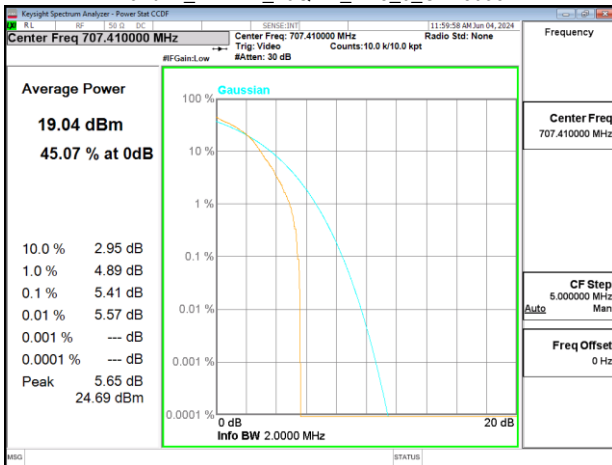
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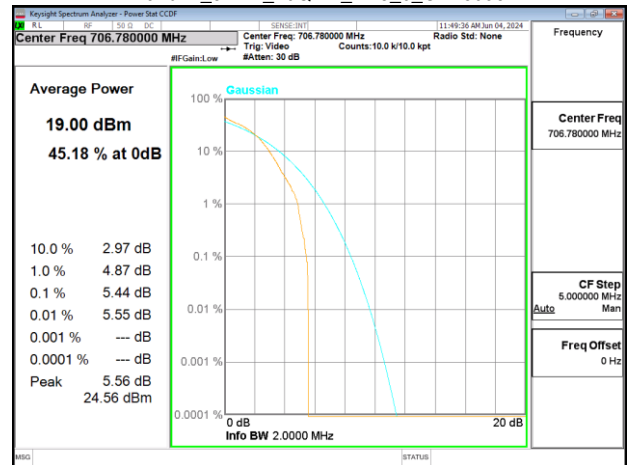
Band12_3MHz_16QAM_RB5_0_CH23025



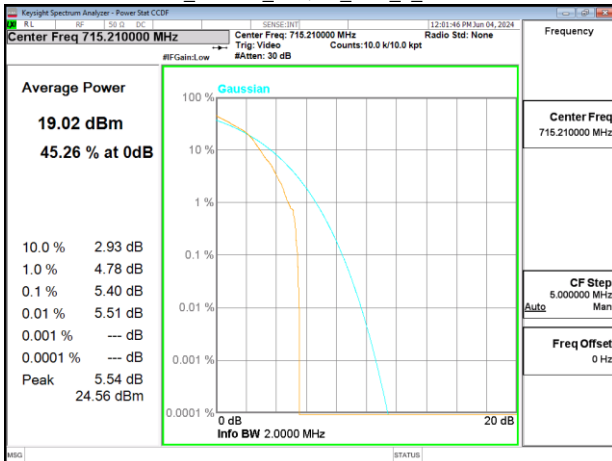
Band12_1.4MHz_16QAM_RB5_0_CH23095



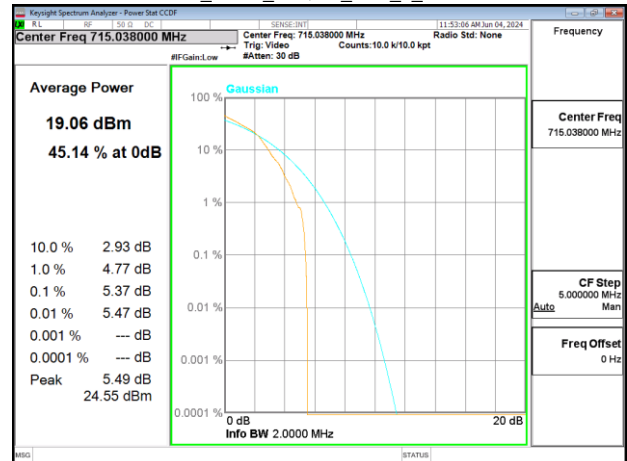
Band12_3MHz_16QAM_RB5_0_CH23095



Band12_1.4MHz_16QAM_RB5_0_CH23173



Band12_3MHz_16QAM_RB5_0_CH23165

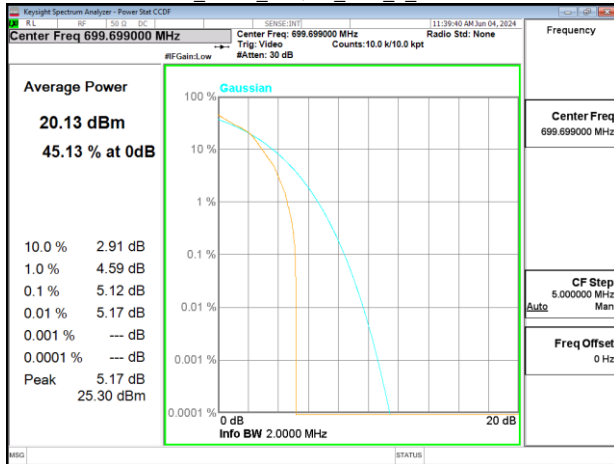


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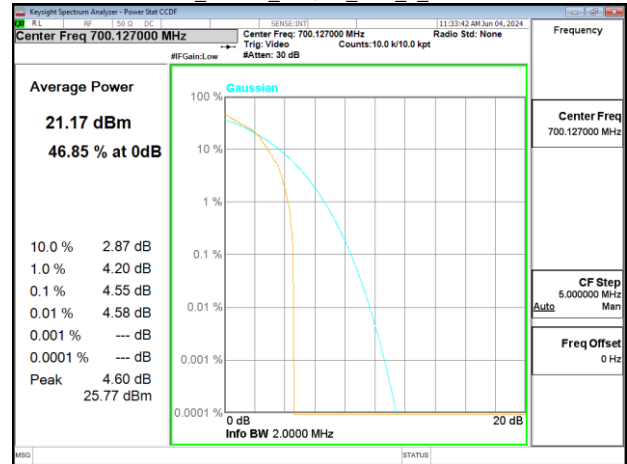
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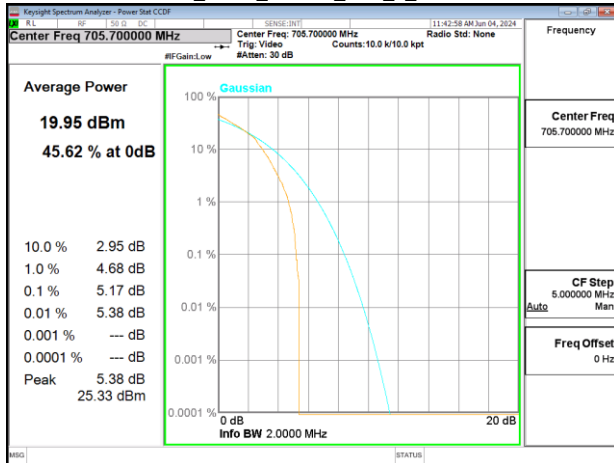
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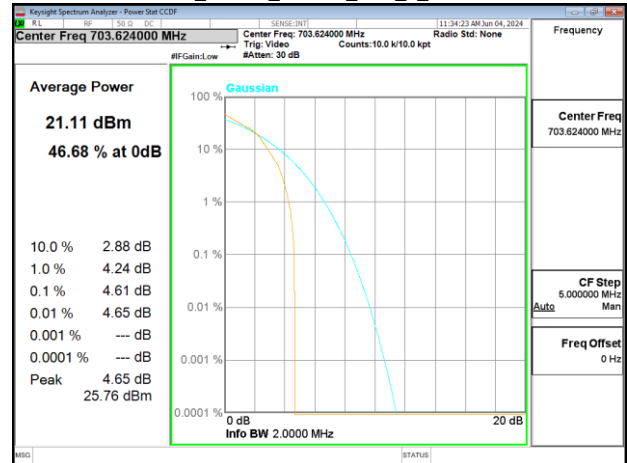
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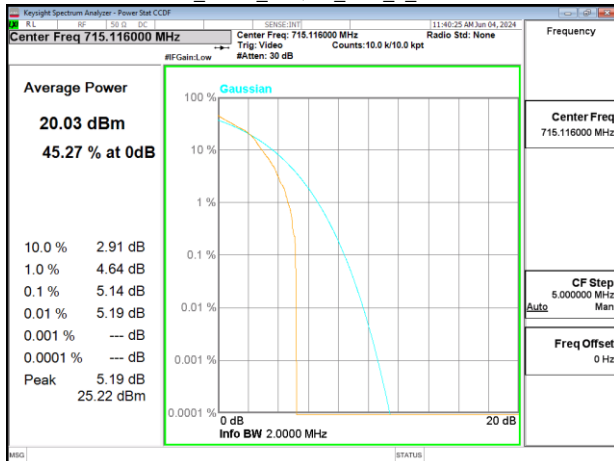
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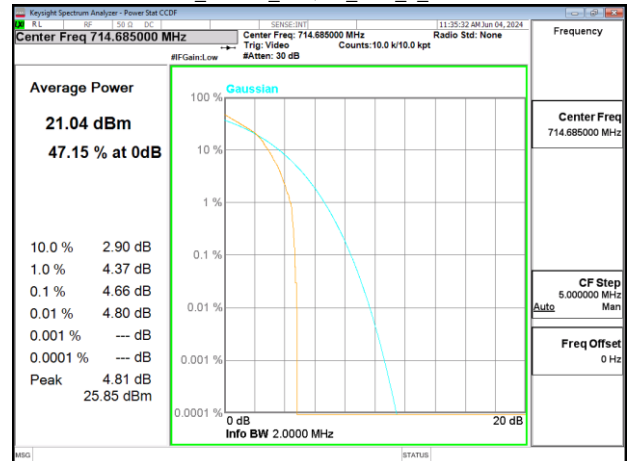
Band12_10MHz_16QAM_RB5_0_CH23095



Band12_5MHz_16QAM_RB5_0_CH23155



Band12_10MHz_16QAM_RB5_0_CH23130

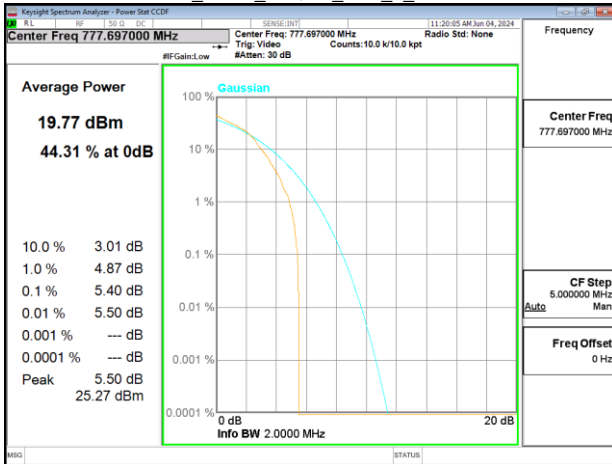


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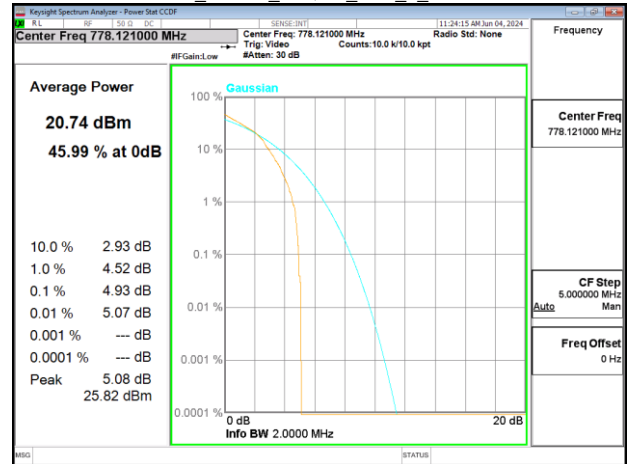
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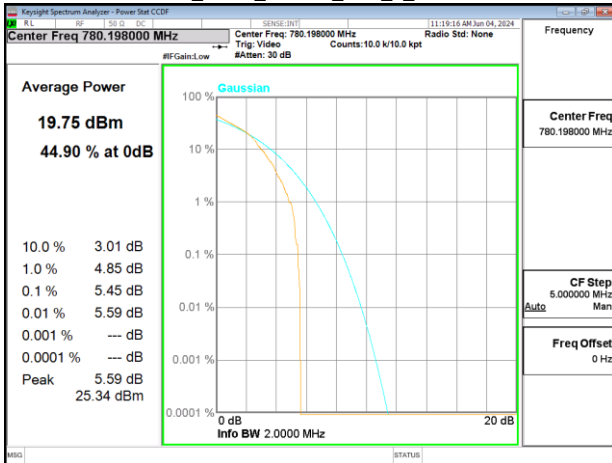
Band13_5MHz_16QAM_RB5_0_CH23205



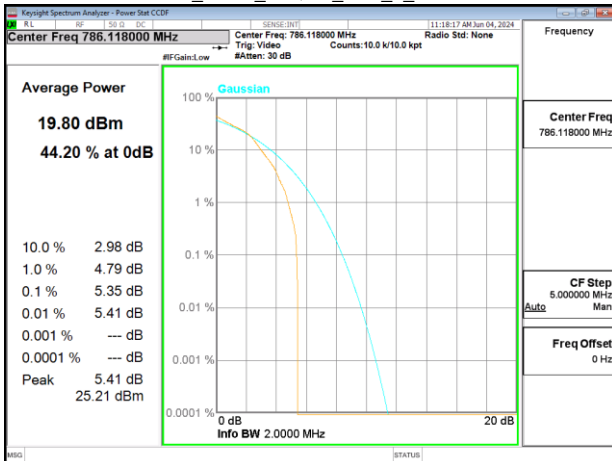
Band13_10MHz_16QAM_RB5_0_CH23230



Band13_5MHz_16QAM_RB5_0_CH23230



Band13_5MHz_16QAM_RB5_0_CH23255



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~ End of Report ~

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