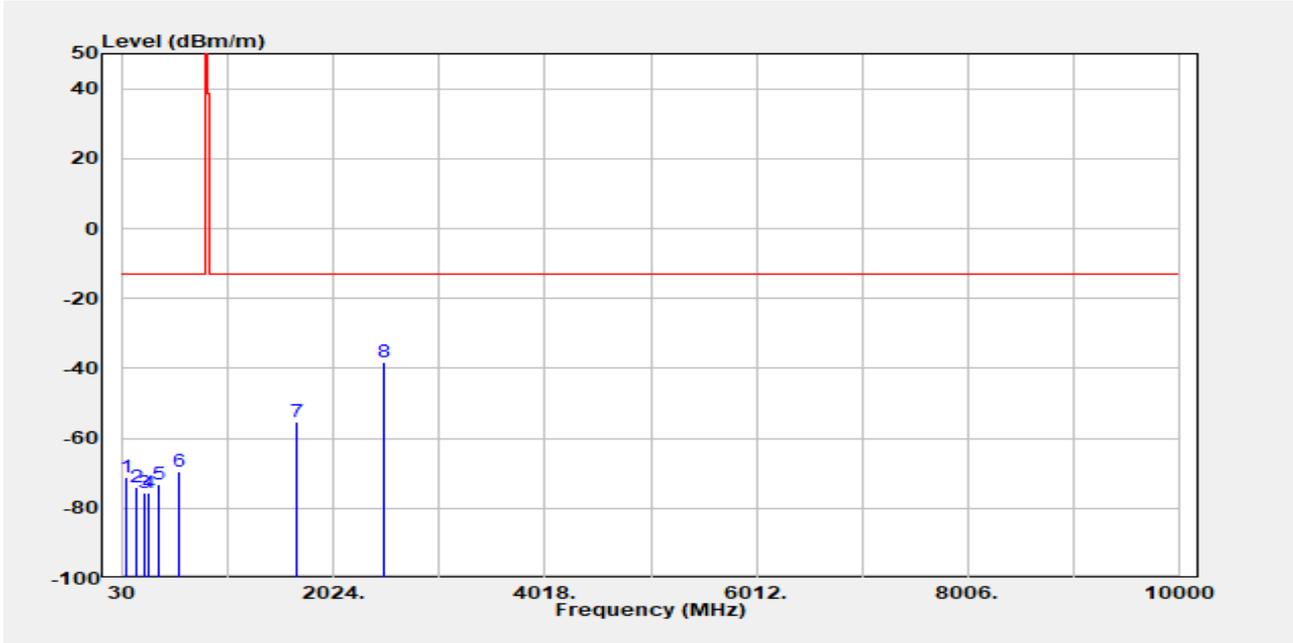


Report Number :TERF2407002104ER  
Operation Mode :NR\_n26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :834 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



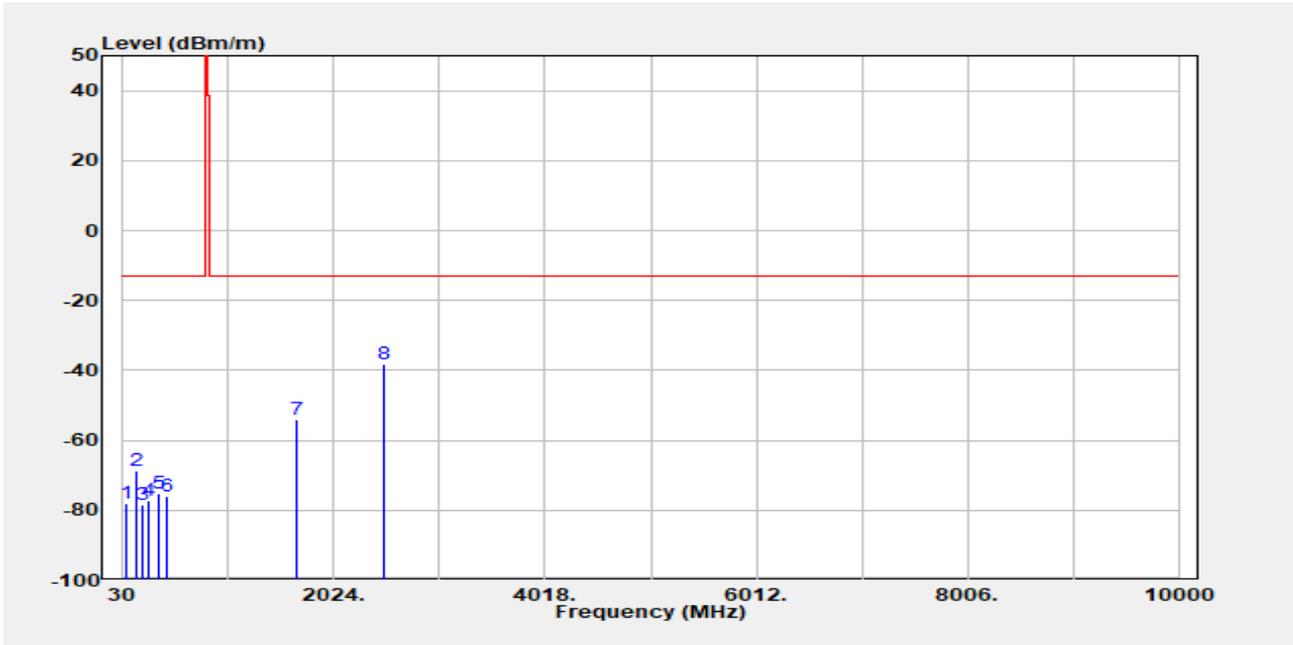
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
58.130	-70.97	-59.35	-10.22	-1.40	-13.00	-57.97
156.100	-73.89	-70.27	-1.34	-2.28	-13.00	-60.89
229.820	-75.59	-77.54	4.72	-2.77	-13.00	-62.59
271.530	-75.50	-76.25	3.77	-3.02	-13.00	-62.50
368.530	-73.18	-73.85	4.17	-3.50	-13.00	-60.18
550.890	-69.66	-69.95	4.57	-4.28	-13.00	-56.66
1668.000	-55.15	-57.33	9.68	-7.50	-13.00	-42.15
2502.000	-38.30	-39.65	10.62	-9.27	-13.00	-25.30

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :834 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



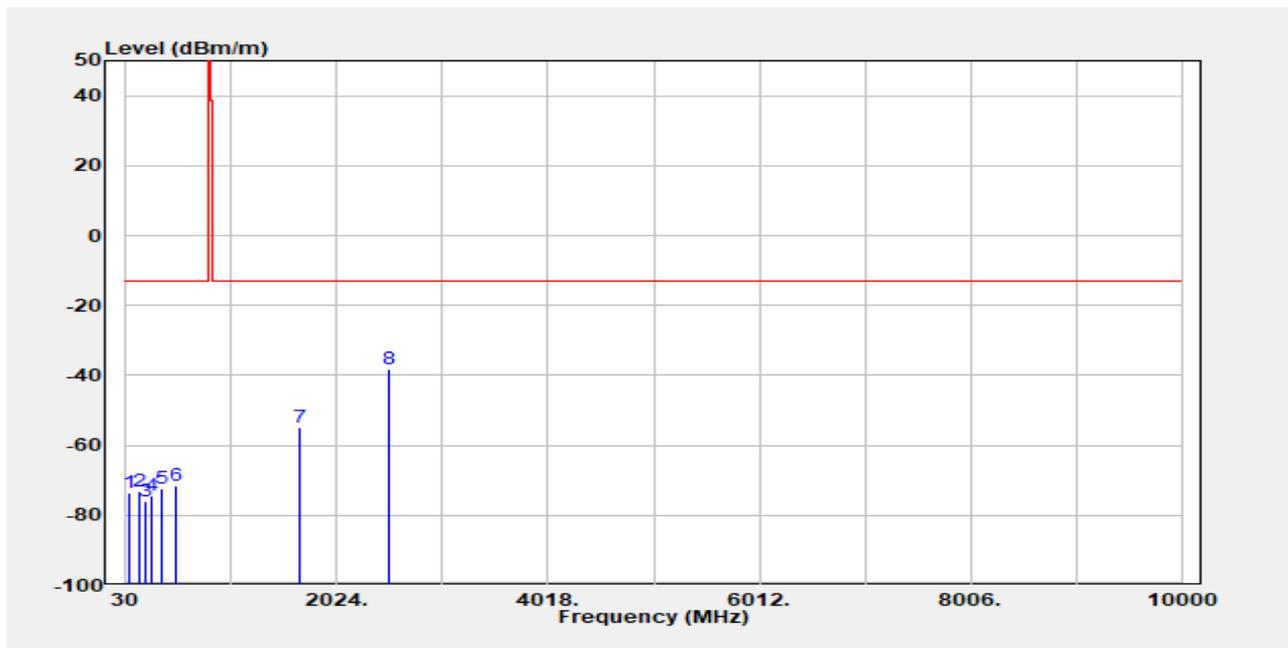
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.800	-78.16	-69.57	-7.07	-1.52	-13.00	-65.16
158.040	-68.72	-65.27	-1.15	-2.30	-13.00	-55.72
216.240	-78.36	-80.25	4.58	-2.69	-13.00	-65.36
269.590	-77.31	-78.15	3.85	-3.01	-13.00	-64.31
367.560	-75.22	-75.90	4.18	-3.50	-13.00	-62.22
444.190	-75.95	-75.67	3.57	-3.85	-13.00	-62.95
1668.000	-53.88	-56.06	9.68	-7.50	-13.00	-40.88
2502.000	-38.26	-39.61	10.62	-9.27	-13.00	-25.26

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



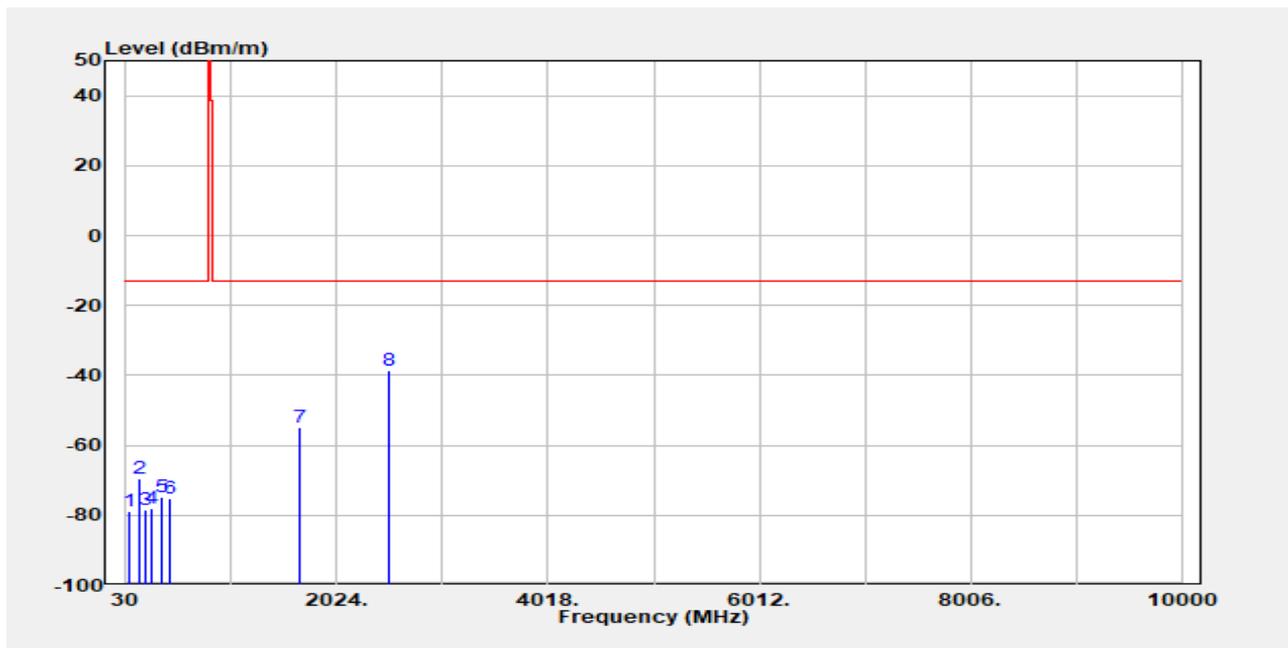
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.830	-73.42	-64.32	-7.59	-1.51	-13.00	-60.42
155.130	-73.36	-69.59	-1.49	-2.28	-13.00	-60.36
221.090	-75.86	-77.93	4.79	-2.72	-13.00	-62.86
270.560	-74.58	-75.36	3.79	-3.01	-13.00	-61.58
373.380	-72.51	-73.07	4.09	-3.53	-13.00	-59.51
496.570	-71.66	-71.59	4.00	-4.07	-13.00	-58.66
1673.000	-55.08	-57.29	9.73	-7.52	-13.00	-42.08
2509.500	-38.08	-39.49	10.70	-9.29	-13.00	-25.08

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
67.830	-78.89	-69.79	-7.59	-1.51	-13.00	-65.89
158.040	-69.45	-66.00	-1.15	-2.30	-13.00	-56.45
222.060	-78.50	-80.63	4.85	-2.72	-13.00	-65.50
270.560	-77.94	-78.72	3.79	-3.01	-13.00	-64.94
374.350	-74.62	-75.16	4.07	-3.53	-13.00	-61.62
446.130	-75.28	-75.02	3.59	-3.85	-13.00	-62.28
1673.000	-54.71	-56.92	9.73	-7.52	-13.00	-41.71
2509.500	-38.69	-40.10	10.70	-9.29	-13.00	-25.69

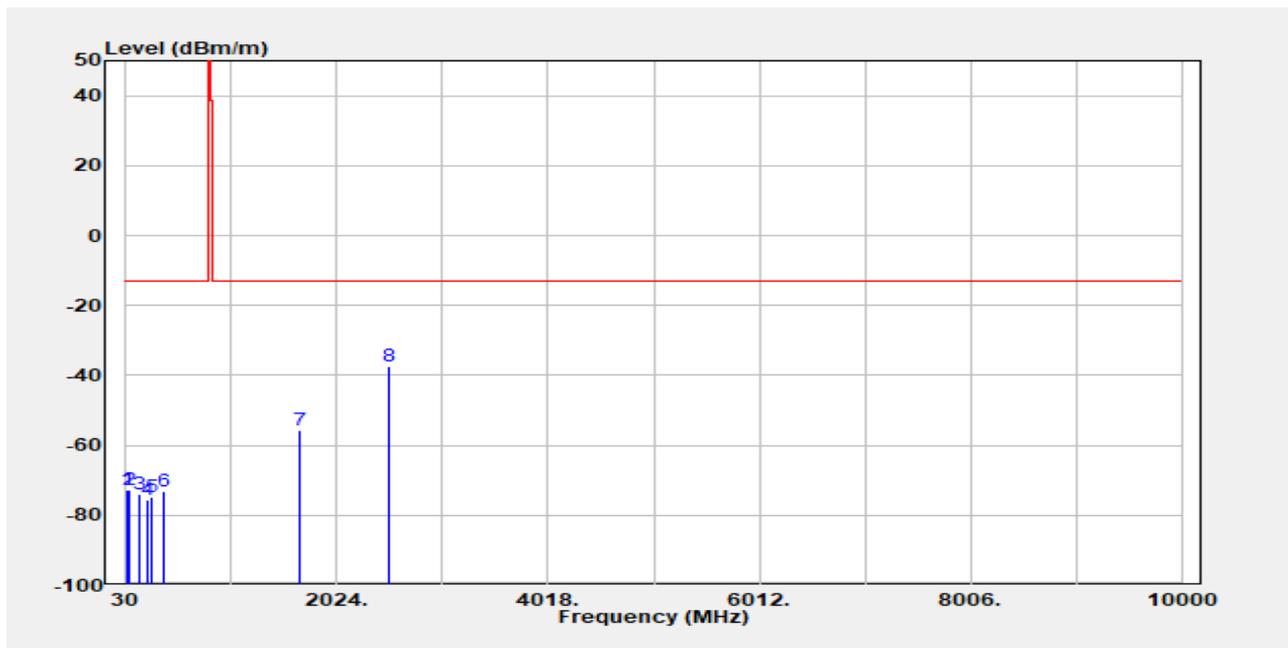
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :839 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
40.670	-72.61	-58.41	-13.03	-1.17	-13.00	-59.61
68.800	-72.94	-64.35	-7.07	-1.52	-13.00	-59.94
154.160	-73.81	-70.06	-1.48	-2.27	-13.00	-60.81
231.760	-75.66	-77.34	4.46	-2.78	-13.00	-62.66
272.500	-74.89	-75.61	3.74	-3.02	-13.00	-61.89
380.170	-73.36	-73.78	3.98	-3.56	-13.00	-60.36
1678.000	-55.73	-57.98	9.78	-7.53	-13.00	-42.73
2517.000	-37.38	-38.71	10.63	-9.30	-13.00	-24.38

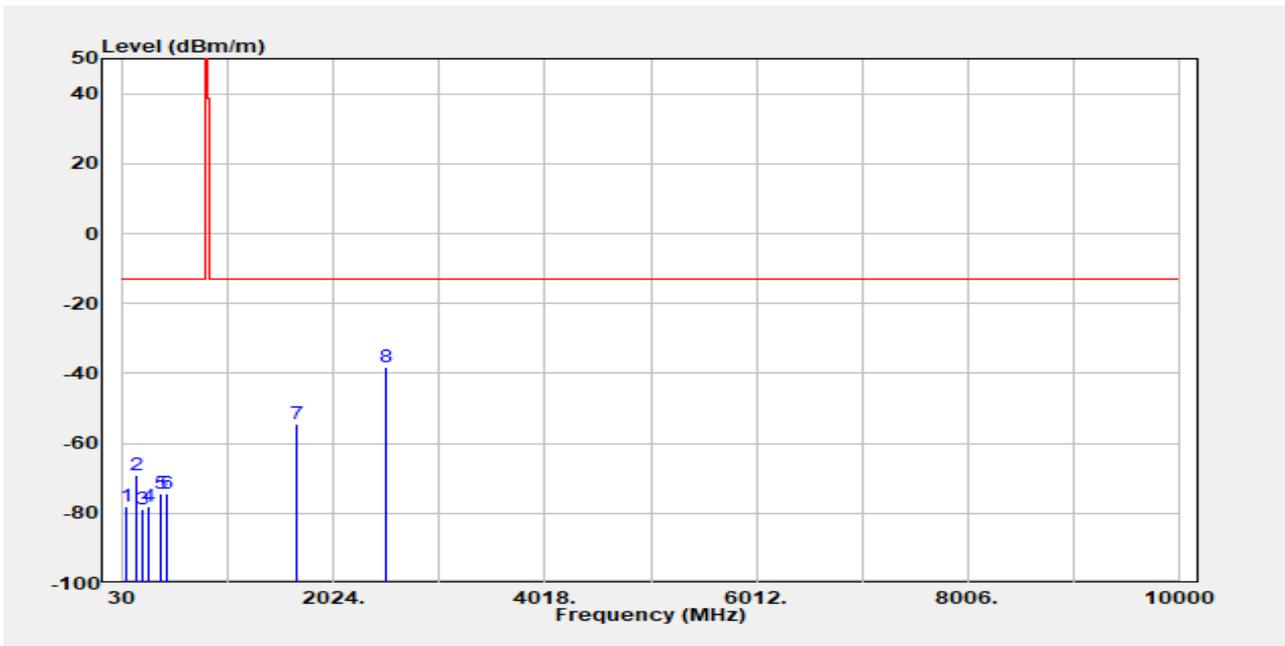
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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n26  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :839 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



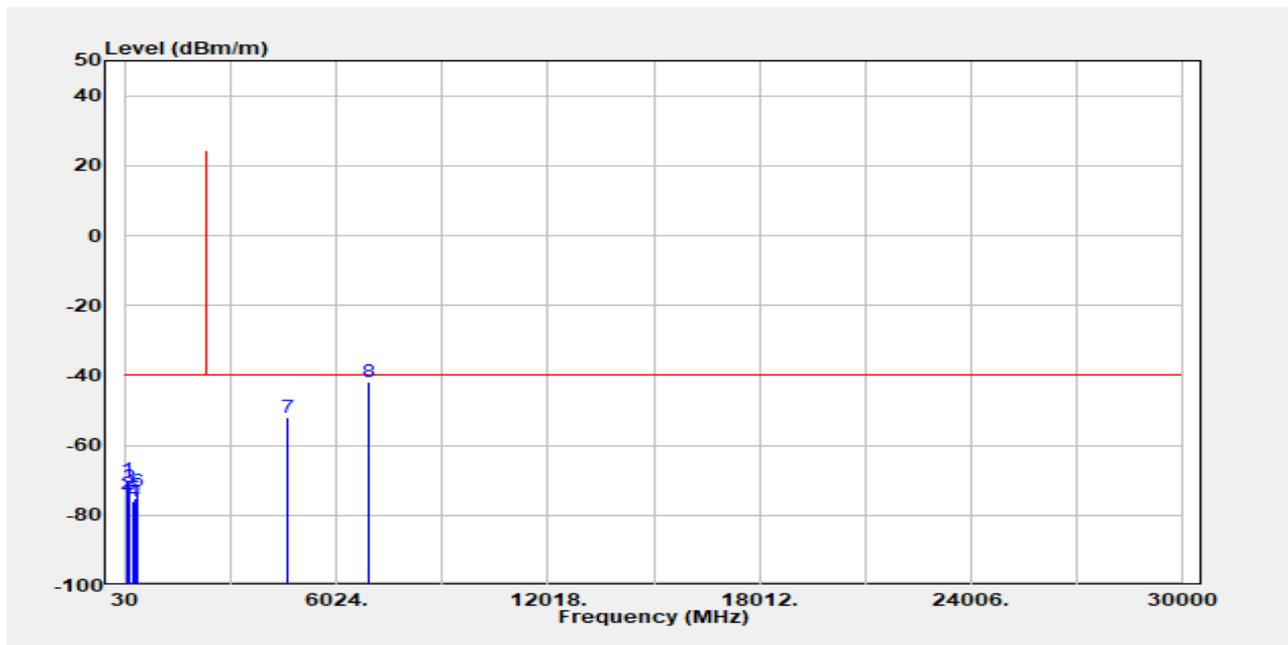
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.830	-78.00	-68.90	-7.59	-1.51	-13.00	-65.00
161.920	-69.17	-66.00	-0.84	-2.33	-13.00	-56.17
216.240	-78.87	-80.76	4.58	-2.69	-13.00	-65.87
271.530	-78.09	-78.84	3.77	-3.02	-13.00	-65.09
383.080	-74.45	-74.80	3.92	-3.57	-13.00	-61.45
437.400	-74.28	-74.16	3.70	-3.82	-13.00	-61.28
1678.000	-54.65	-56.90	9.78	-7.53	-13.00	-41.65
2517.000	-38.11	-39.44	10.63	-9.30	-13.00	-25.11

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n30  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2310 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



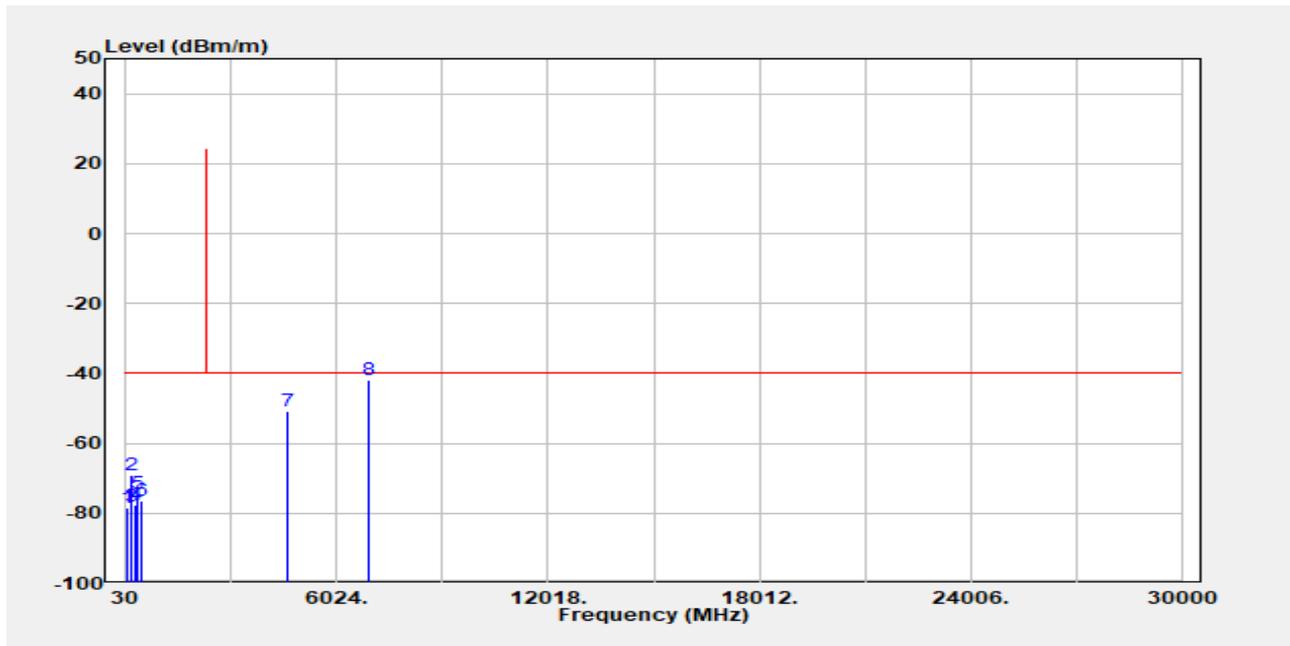
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-69.82	-55.41	-13.25	-1.16	-40.00	-29.82
67.830	-74.01	-64.91	-7.59	-1.51	-40.00	-34.01
149.310	-71.92	-68.09	-1.60	-2.23	-40.00	-31.92
224.000	-75.91	-78.14	4.96	-2.73	-40.00	-35.91
266.680	-75.39	-76.50	4.10	-2.99	-40.00	-35.39
375.320	-73.00	-73.51	4.05	-3.54	-40.00	-33.00
4620.000	-52.14	-51.82	12.42	-12.74	-40.00	-12.14
6930.000	-42.05	-38.05	11.78	-15.78	-40.00	-2.05

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n30  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2310 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
67.830	-78.39	-69.29	-7.59	-1.51	-40.00	-38.39
158.040	-69.25	-65.80	-1.15	-2.30	-40.00	-29.25
205.570	-78.04	-79.47	4.05	-2.62	-40.00	-38.04
269.590	-77.84	-78.68	3.85	-3.01	-40.00	-37.84
376.290	-74.22	-74.72	4.04	-3.54	-40.00	-34.22
450.010	-76.41	-76.28	3.74	-3.87	-40.00	-36.41
4620.000	-50.79	-50.47	12.42	-12.74	-40.00	-10.79
6930.000	-42.06	-38.06	11.78	-15.78	-40.00	-2.06

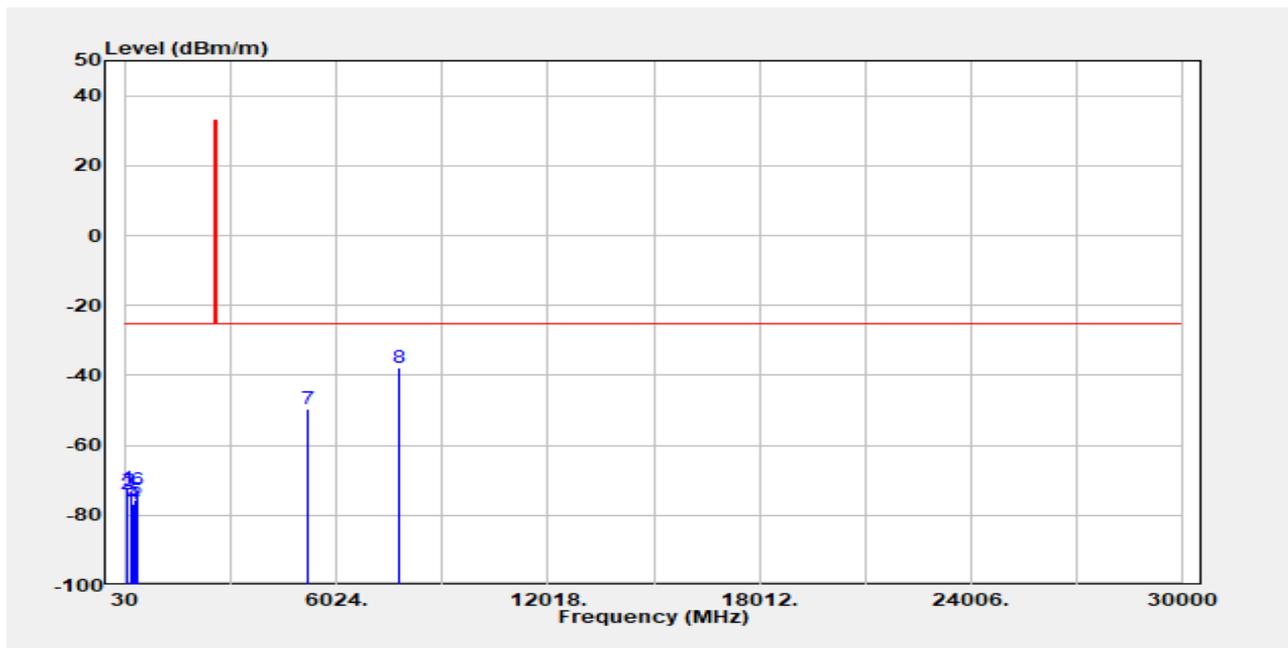
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n38  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2590 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
39.700	-72.37	-57.96	-13.25	-1.16	-25.00	-47.37
68.800	-73.82	-65.23	-7.07	-1.52	-25.00	-48.82
151.250	-73.33	-69.45	-1.63	-2.25	-25.00	-48.33
229.820	-76.90	-78.85	4.72	-2.77	-25.00	-51.90
279.290	-75.56	-76.21	3.71	-3.06	-25.00	-50.56
379.200	-72.72	-73.15	3.99	-3.56	-25.00	-47.72
5180.000	-49.55	-48.52	12.52	-13.55	-25.00	-24.55
7770.000	-37.70	-32.35	11.40	-16.75	-25.00	-12.70

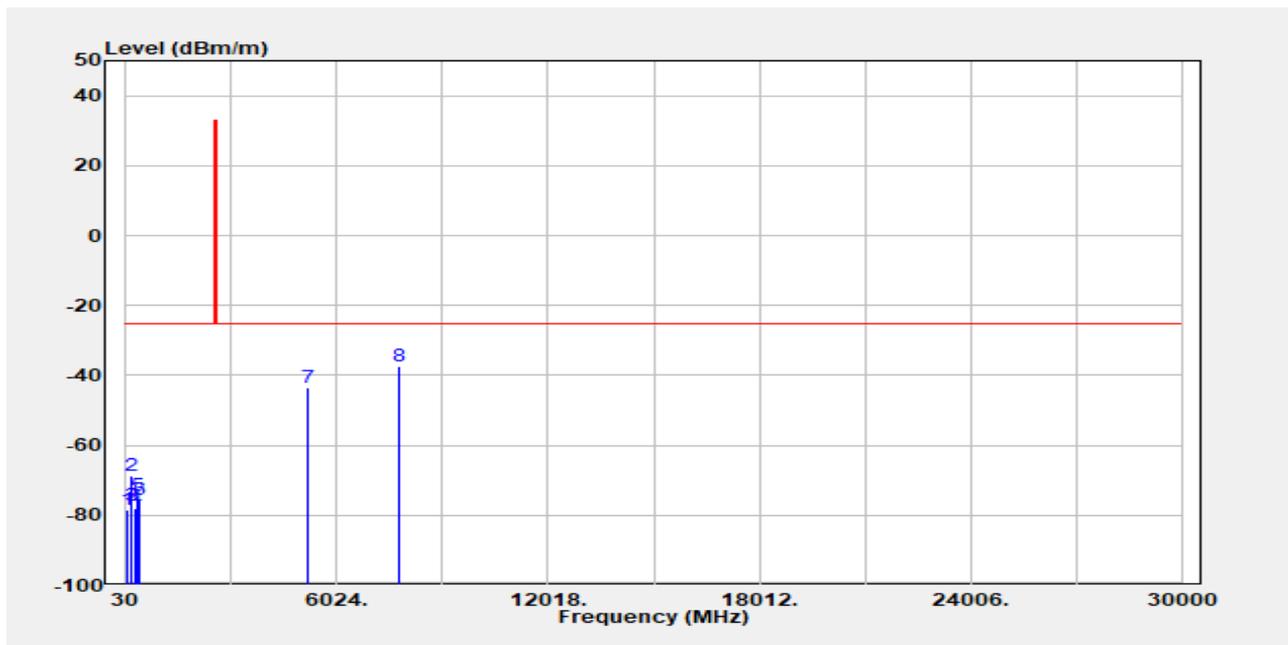
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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n38  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2590 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



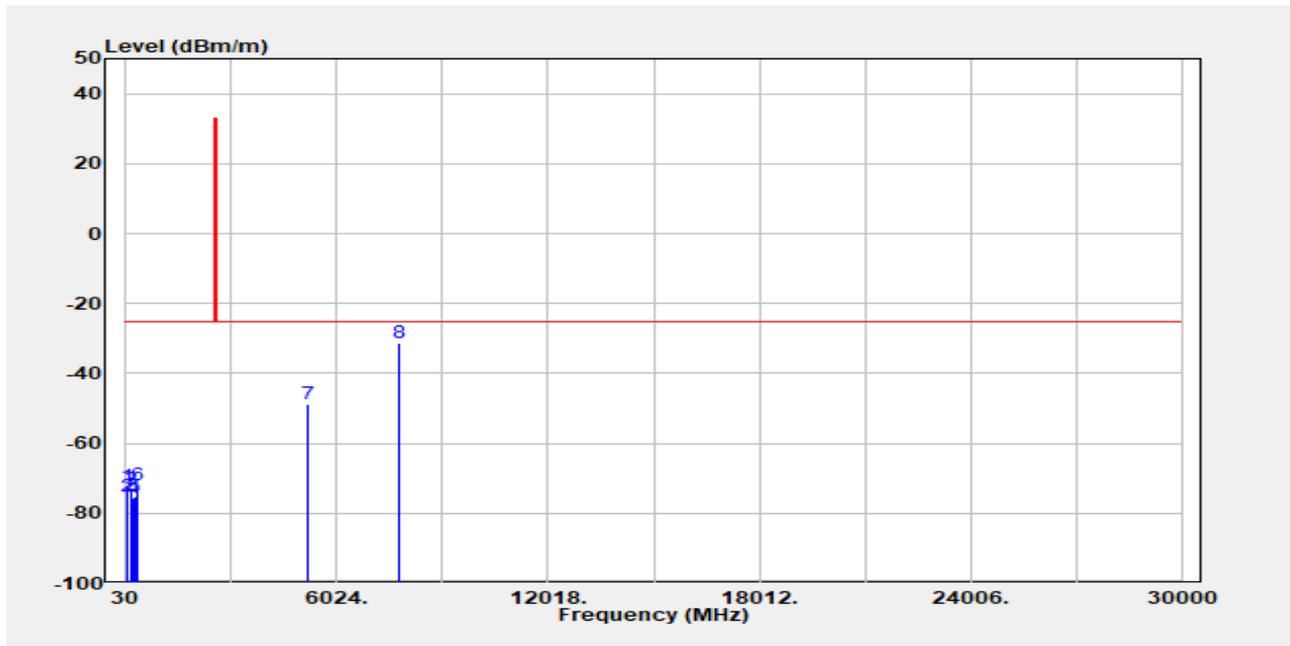
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
65.890	-78.58	-69.30	-7.80	-1.48	-25.00	-53.58
159.980	-68.85	-65.50	-1.04	-2.31	-25.00	-43.85
204.600	-77.03	-78.40	3.99	-2.62	-25.00	-52.03
273.470	-78.08	-78.76	3.71	-3.03	-25.00	-53.08
375.320	-74.57	-75.08	4.05	-3.54	-25.00	-49.57
431.580	-75.61	-75.64	3.82	-3.79	-25.00	-50.61
5180.000	-43.67	-42.64	12.52	-13.55	-25.00	-18.67
7770.000	-37.26	-31.91	11.40	-16.75	-25.00	-12.26

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n38  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2595 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
40.670	-72.35	-58.15	-13.03	-1.17	-25.00	-47.35
68.800	-75.03	-66.44	-7.07	-1.52	-25.00	-50.03
156.100	-73.07	-69.45	-1.34	-2.28	-25.00	-48.07
227.880	-75.76	-77.84	4.84	-2.76	-25.00	-50.76
266.680	-75.08	-76.19	4.10	-2.99	-25.00	-50.08
368.530	-71.77	-72.44	4.17	-3.50	-25.00	-46.77
5190.000	-48.81	-47.80	12.56	-13.57	-25.00	-23.81
7785.000	-31.34	-25.98	11.40	-16.76	-25.00	-6.34

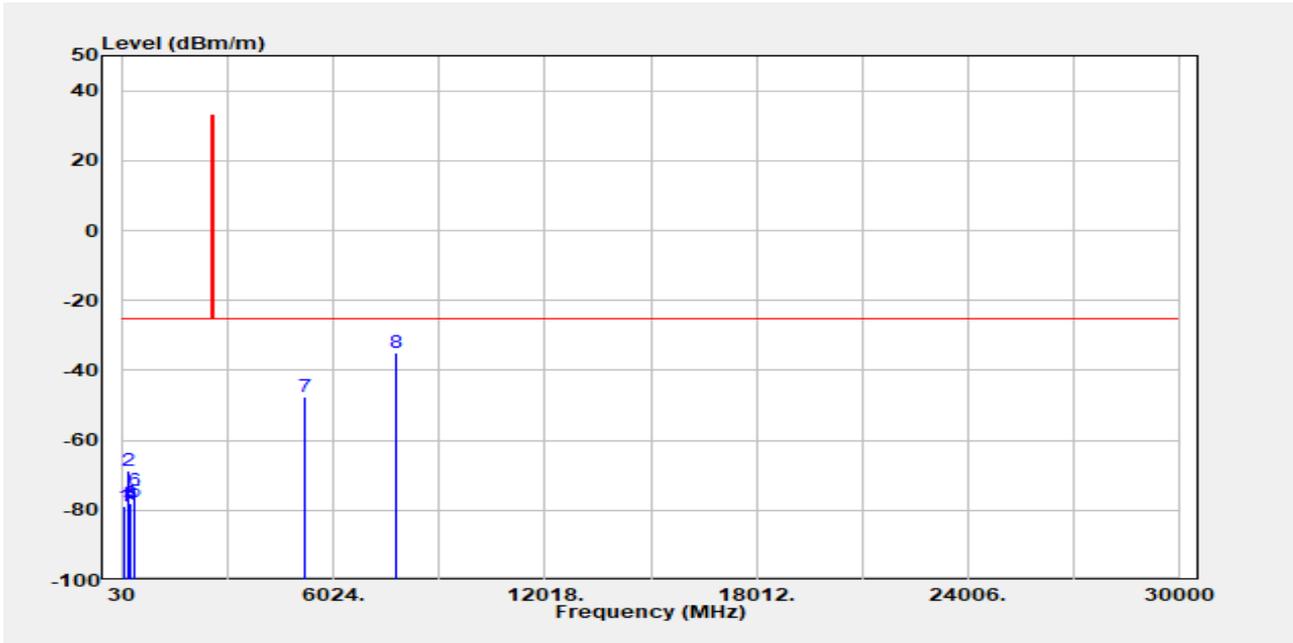
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n38  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2595 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



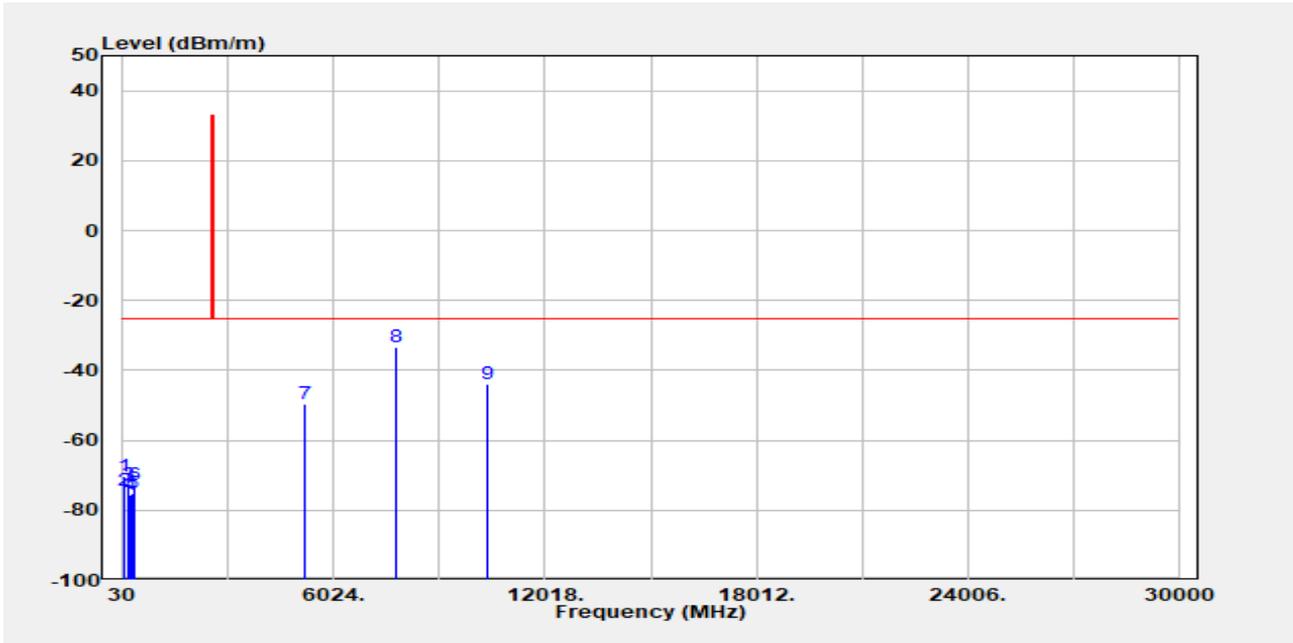
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.860	-78.81	-69.61	-7.70	-1.50	-25.00	-53.81
159.980	-68.86	-65.51	-1.04	-2.31	-25.00	-43.86
219.150	-78.23	-80.23	4.70	-2.70	-25.00	-53.23
265.710	-78.47	-79.66	4.18	-2.99	-25.00	-53.47
327.790	-77.79	-78.36	3.88	-3.31	-25.00	-52.79
375.320	-74.19	-74.70	4.05	-3.54	-25.00	-49.19
5190.000	-47.43	-46.42	12.56	-13.57	-25.00	-22.43
7785.000	-34.90	-29.54	11.40	-16.76	-25.00	-9.90

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n38  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2600 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
39.700	-70.40	-55.99	-13.25	-1.16	-25.00	-45.40
67.830	-74.39	-65.29	-7.59	-1.51	-25.00	-49.39
156.100	-72.88	-69.26	-1.34	-2.28	-25.00	-47.88
227.880	-75.50	-77.58	4.84	-2.76	-25.00	-50.50
269.590	-75.00	-75.84	3.85	-3.01	-25.00	-50.00
379.200	-72.79	-73.22	3.99	-3.56	-25.00	-47.79
5200.000	-49.41	-48.43	12.60	-13.58	-25.00	-24.41
7800.000	-33.26	-27.89	11.40	-16.77	-25.00	-8.26
10400.000	-43.95	-35.87	11.40	-19.48	-25.00	-18.95

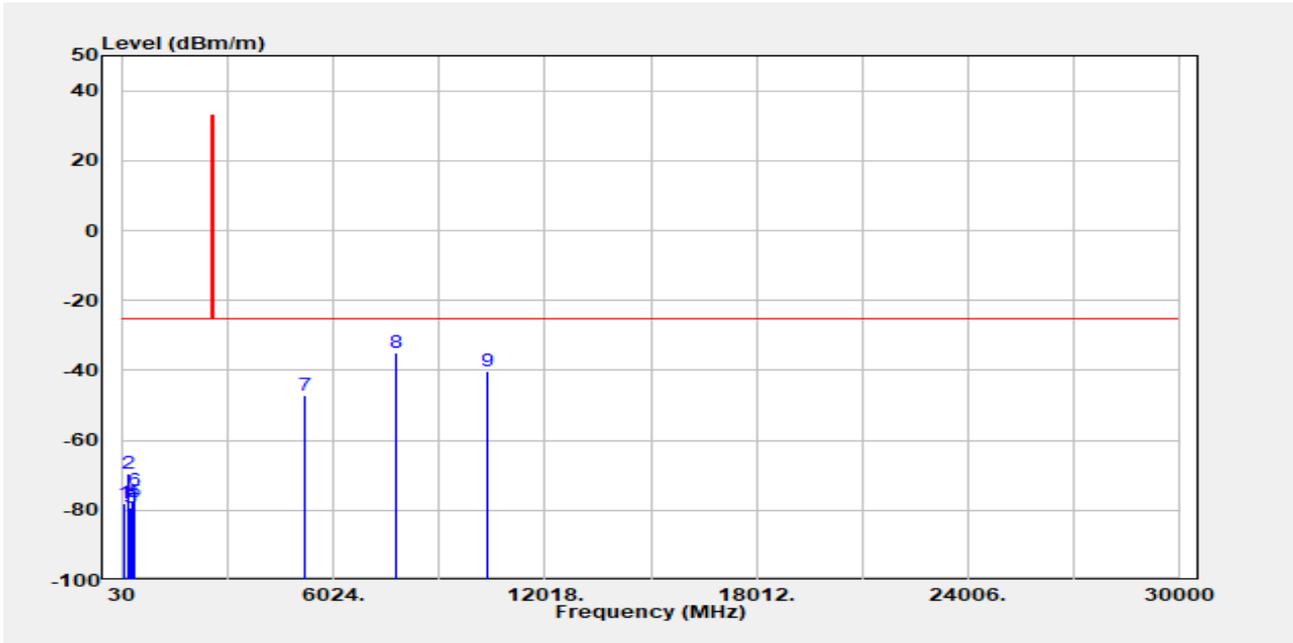
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n38  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2600 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
65.890	-78.09	-68.81	-7.80	-1.48	-25.00	-53.09
159.980	-69.36	-66.01	-1.04	-2.31	-25.00	-44.36
214.300	-79.20	-81.02	4.50	-2.68	-25.00	-54.20
270.560	-77.78	-78.56	3.79	-3.01	-25.00	-52.78
339.430	-77.48	-78.11	4.00	-3.37	-25.00	-52.48
372.410	-74.43	-75.01	4.10	-3.52	-25.00	-49.43
5200.000	-47.02	-46.04	12.60	-13.58	-25.00	-22.02
7800.000	-34.95	-29.58	11.40	-16.77	-25.00	-9.95
10400.000	-40.17	-32.09	11.40	-19.48	-25.00	-15.17

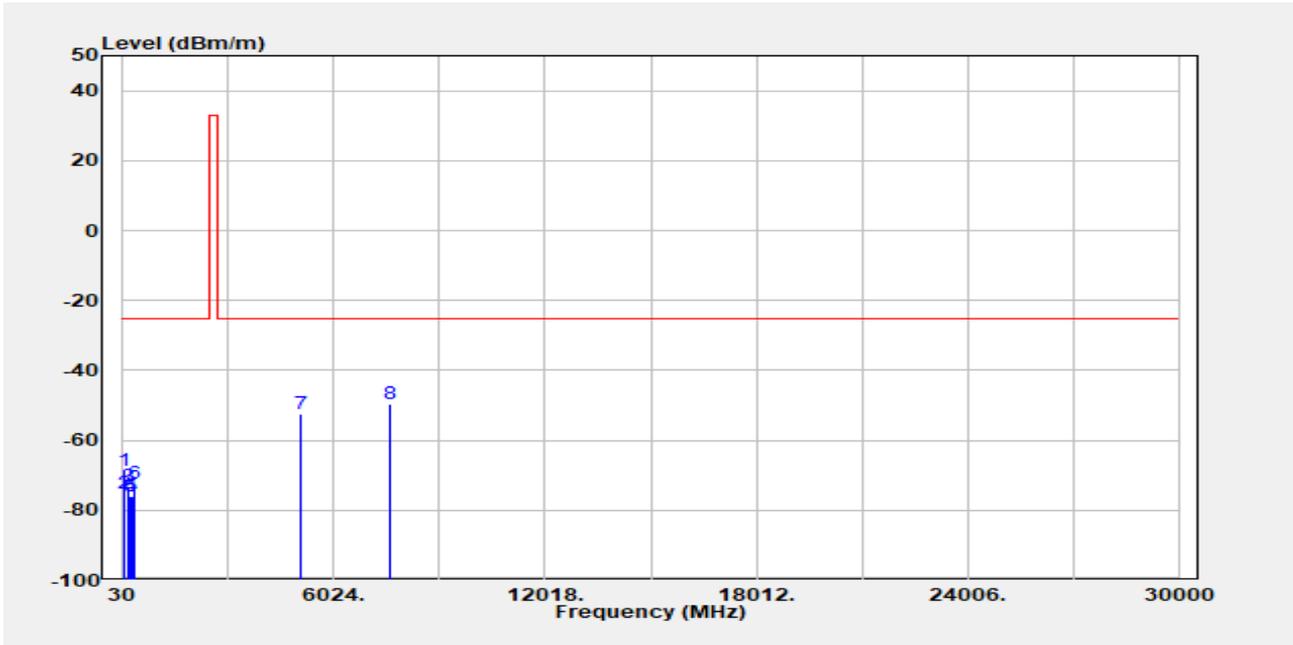
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n41  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2546.01 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



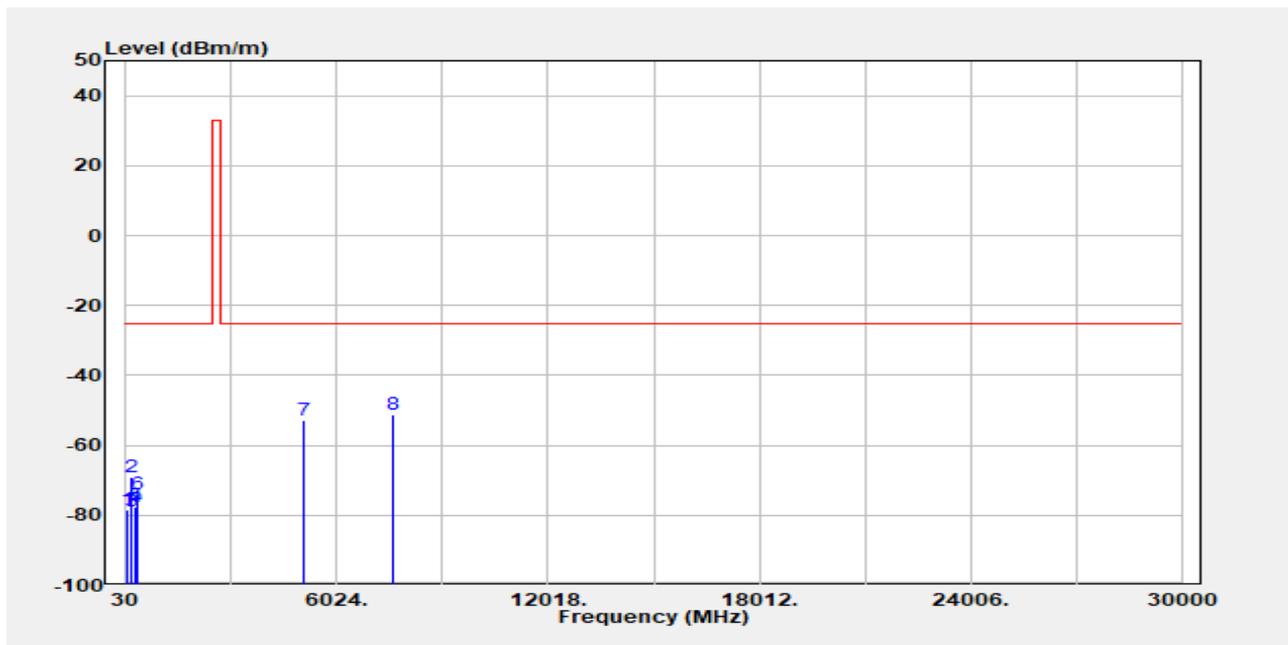
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
42.610	-68.83	-54.64	-12.99	-1.20	-25.00	-43.83
68.800	-75.08	-66.49	-7.07	-1.52	-25.00	-50.08
157.070	-73.17	-69.68	-1.20	-2.29	-25.00	-48.17
224.000	-75.90	-78.13	4.96	-2.73	-25.00	-50.90
267.650	-76.12	-77.13	4.01	-3.00	-25.00	-51.12
374.350	-72.43	-72.97	4.07	-3.53	-25.00	-47.43
5092.020	-52.60	-51.57	12.40	-13.43	-25.00	-27.60
7638.030	-49.65	-44.34	11.28	-16.59	-25.00	-24.65

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n41  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2546.01 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
67.830	-78.50	-69.40	-7.59	-1.51	-25.00	-53.50
159.010	-69.22	-65.73	-1.19	-2.30	-25.00	-44.22
203.630	-78.71	-80.03	3.93	-2.61	-25.00	-53.71
270.560	-77.78	-78.56	3.79	-3.01	-25.00	-52.78
324.880	-77.21	-77.84	3.92	-3.29	-25.00	-52.21
377.260	-74.14	-74.61	4.02	-3.55	-25.00	-49.14
5092.020	-52.76	-51.73	12.40	-13.43	-25.00	-27.76
7638.030	-51.07	-45.76	11.28	-16.59	-25.00	-26.07

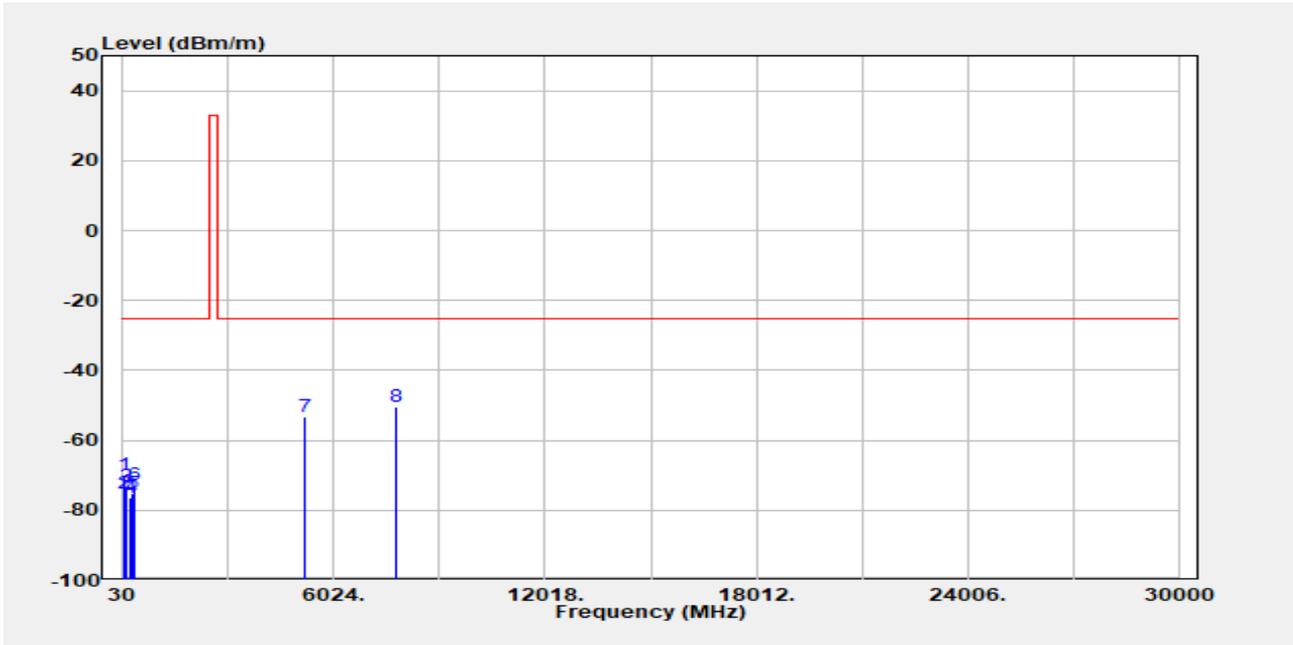
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n41  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :2592.99 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



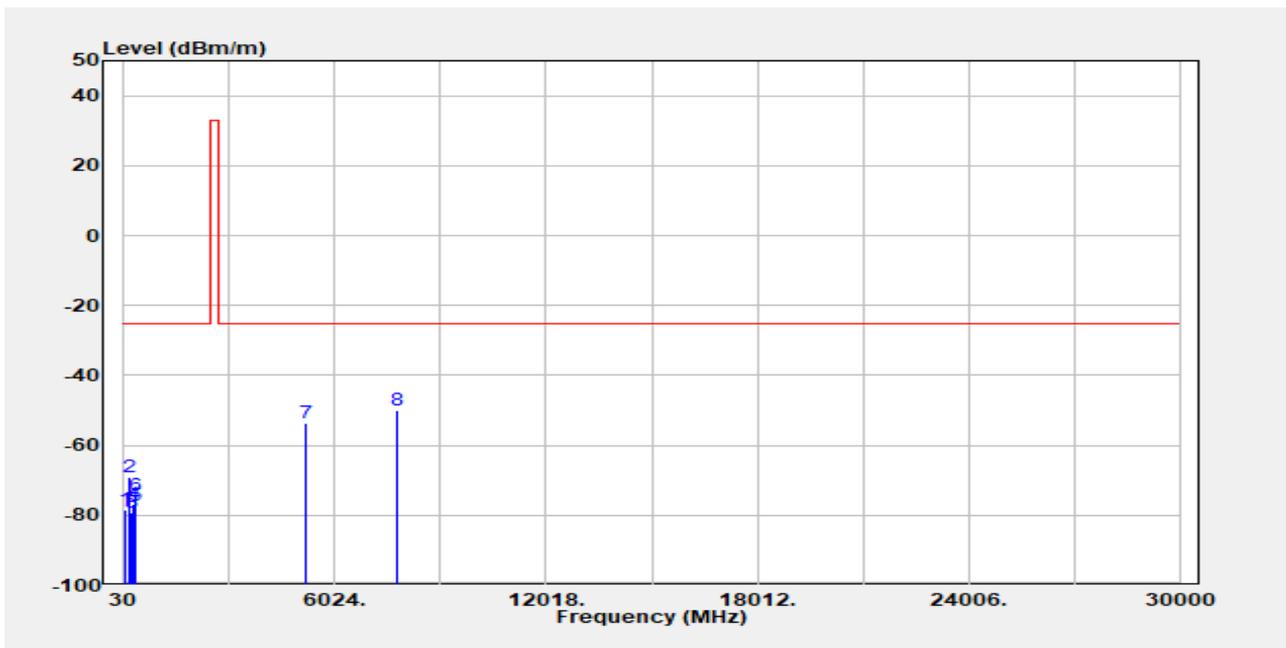
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
39.700	-69.97	-55.56	-13.25	-1.16	-25.00	-44.97
67.830	-75.02	-65.92	-7.59	-1.51	-25.00	-50.02
148.340	-73.21	-69.32	-1.66	-2.23	-25.00	-48.21
226.910	-76.48	-78.63	4.90	-2.75	-25.00	-51.48
274.440	-75.27	-75.93	3.69	-3.03	-25.00	-50.27
373.380	-72.62	-73.18	4.09	-3.53	-25.00	-47.62
5185.980	-53.39	-52.37	12.54	-13.56	-25.00	-28.39
7778.970	-50.31	-44.96	11.40	-16.75	-25.00	-25.31

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n41  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2592.99 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



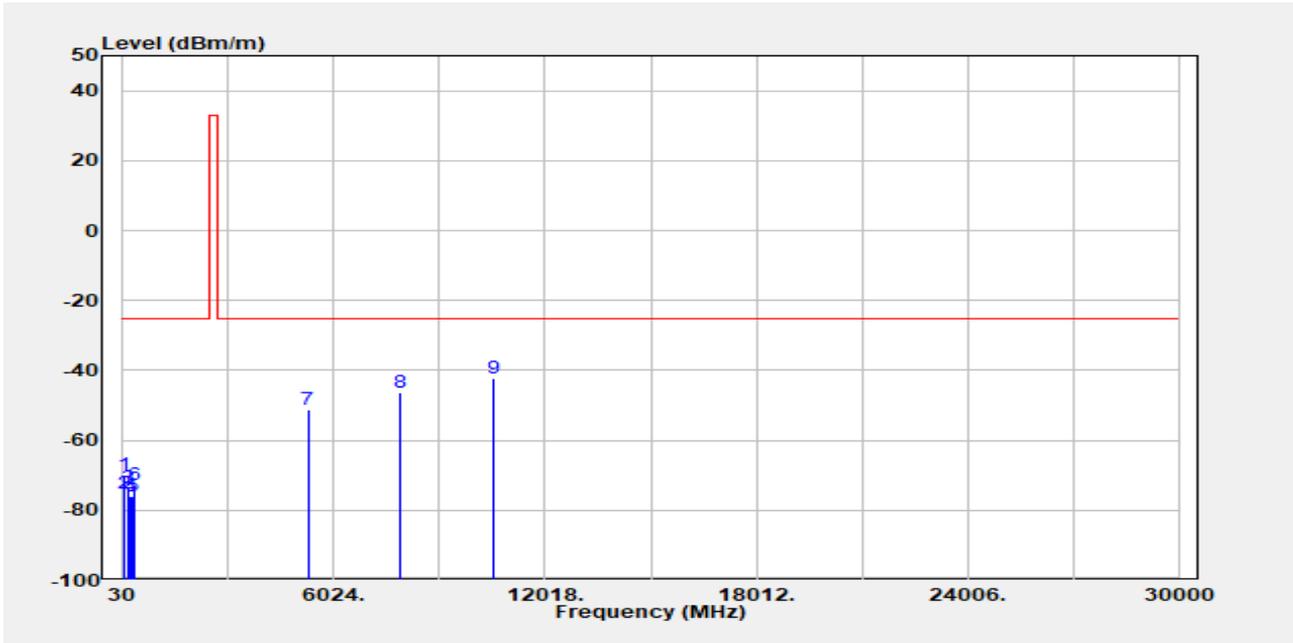
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
64.920	-78.31	-68.46	-8.38	-1.47	-25.00	-53.31
159.010	-69.29	-65.80	-1.19	-2.30	-25.00	-44.29
220.120	-79.14	-81.17	4.74	-2.71	-25.00	-54.14
270.560	-76.79	-77.57	3.79	-3.01	-25.00	-51.79
330.700	-77.31	-77.84	3.85	-3.32	-25.00	-52.31
376.290	-74.29	-74.79	4.04	-3.54	-25.00	-49.29
5185.980	-53.54	-52.52	12.54	-13.56	-25.00	-28.54
7778.970	-50.02	-44.67	11.40	-16.75	-25.00	-25.02

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n41  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2640 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
39.700	-70.02	-55.61	-13.25	-1.16	-25.00	-45.02
67.830	-75.28	-66.18	-7.59	-1.51	-25.00	-50.28
158.040	-73.38	-69.93	-1.15	-2.30	-25.00	-48.38
229.820	-75.95	-77.90	4.72	-2.77	-25.00	-50.95
277.350	-75.85	-76.49	3.69	-3.05	-25.00	-50.85
372.410	-72.74	-73.32	4.10	-3.52	-25.00	-47.74
5280.000	-51.37	-50.64	12.96	-13.69	-25.00	-26.37
7920.000	-46.18	-40.57	11.28	-16.89	-25.00	-21.18
10560.000	-42.28	-34.04	11.38	-19.62	-25.00	-17.28

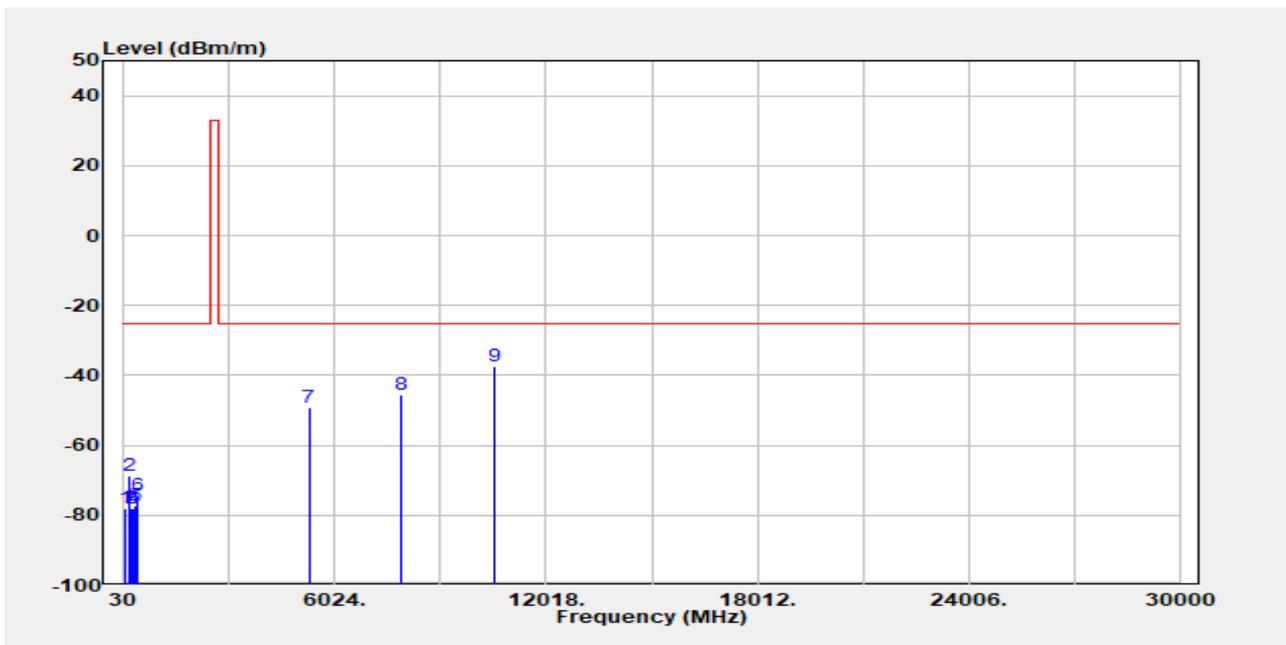
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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n41  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :2640 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



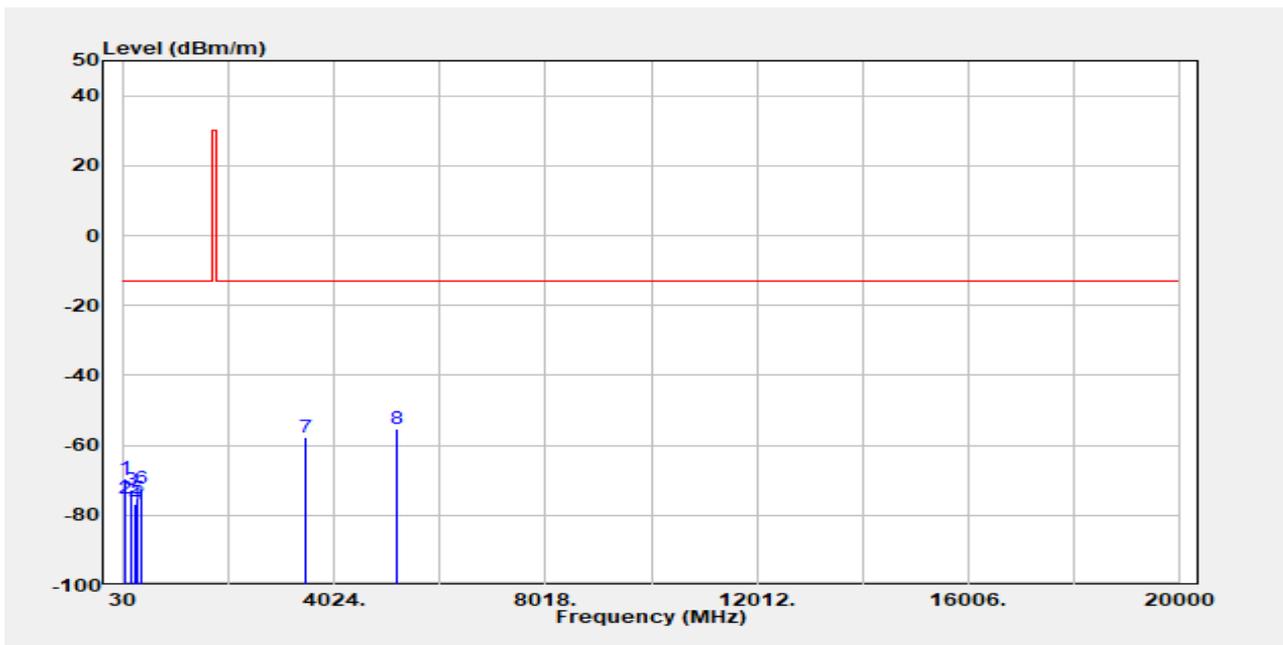
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.860	-77.97	-68.77	-7.70	-1.50	-25.00	-52.97
161.920	-68.82	-65.65	-0.84	-2.33	-25.00	-43.82
217.210	-78.03	-79.96	4.62	-2.69	-25.00	-53.03
273.470	-77.91	-78.59	3.71	-3.03	-25.00	-52.91
339.430	-77.21	-77.84	4.00	-3.37	-25.00	-52.21
388.900	-74.39	-74.69	3.90	-3.60	-25.00	-49.39
5280.000	-49.06	-48.33	12.96	-13.69	-25.00	-24.06
7920.000	-45.63	-40.02	11.28	-16.89	-25.00	-20.63
10560.000	-37.51	-29.27	11.38	-19.62	-25.00	-12.51

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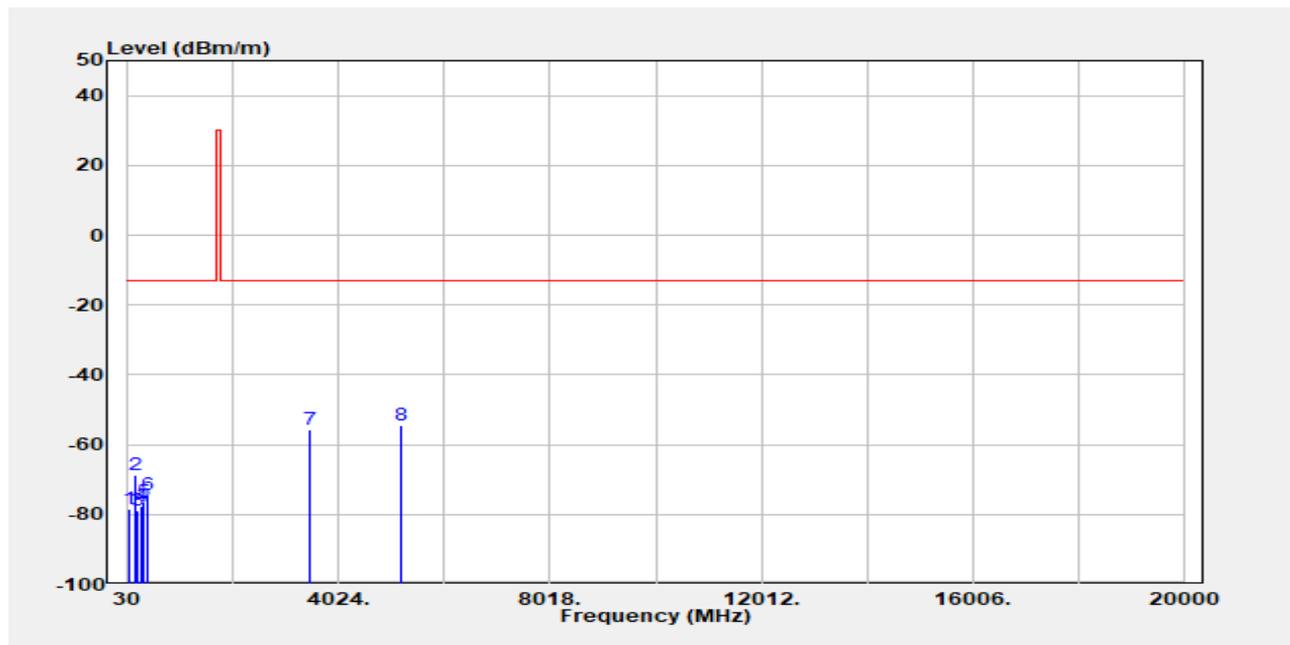
Report Number :TERF2407002104ER  
 Operation Mode :NR\_n66  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :1730 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



Report Number :TERF2407002104ER  
 Operation Mode :NR\_n66  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :1730 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



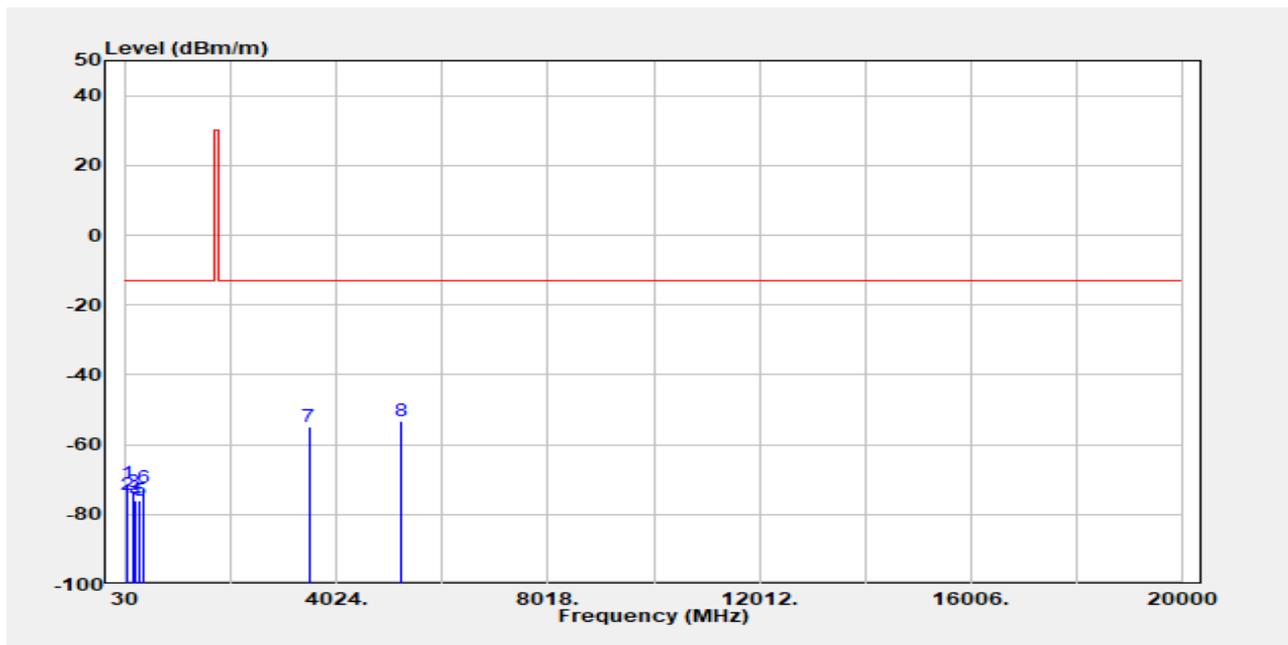
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.860	-78.59	-69.39	-7.70	-1.50	-13.00	-65.59
158.040	-68.70	-65.25	-1.15	-2.30	-13.00	-55.70
219.150	-79.06	-81.06	4.70	-2.70	-13.00	-66.06
275.410	-77.59	-78.22	3.67	-3.04	-13.00	-64.59
333.610	-76.50	-77.03	3.87	-3.34	-13.00	-63.50
385.020	-74.25	-74.56	3.89	-3.58	-13.00	-61.25
3460.000	-55.62	-57.21	12.56	-10.97	-13.00	-42.62
5190.000	-54.38	-53.37	12.56	-13.57	-13.00	-41.38

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n66  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1745 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



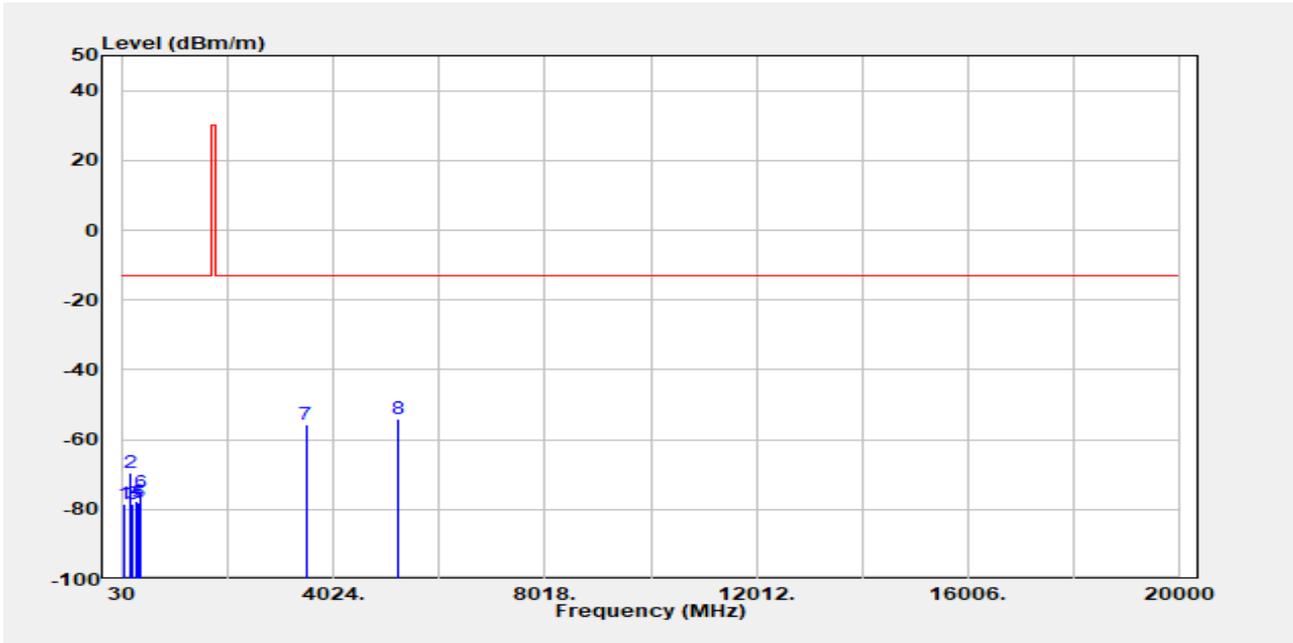
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-71.22	-57.02	-13.03	-1.17	-13.00	-58.22
67.830	-74.44	-65.34	-7.59	-1.51	-13.00	-61.44
154.160	-73.52	-69.77	-1.48	-2.27	-13.00	-60.52
222.060	-75.99	-78.12	4.85	-2.72	-13.00	-62.99
270.560	-75.86	-76.64	3.79	-3.01	-13.00	-62.86
371.440	-72.16	-72.76	4.12	-3.52	-13.00	-59.16
3490.000	-55.01	-56.44	12.44	-11.01	-13.00	-42.01
5235.000	-53.38	-52.56	12.81	-13.63	-13.00	-40.38

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n66  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1745 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



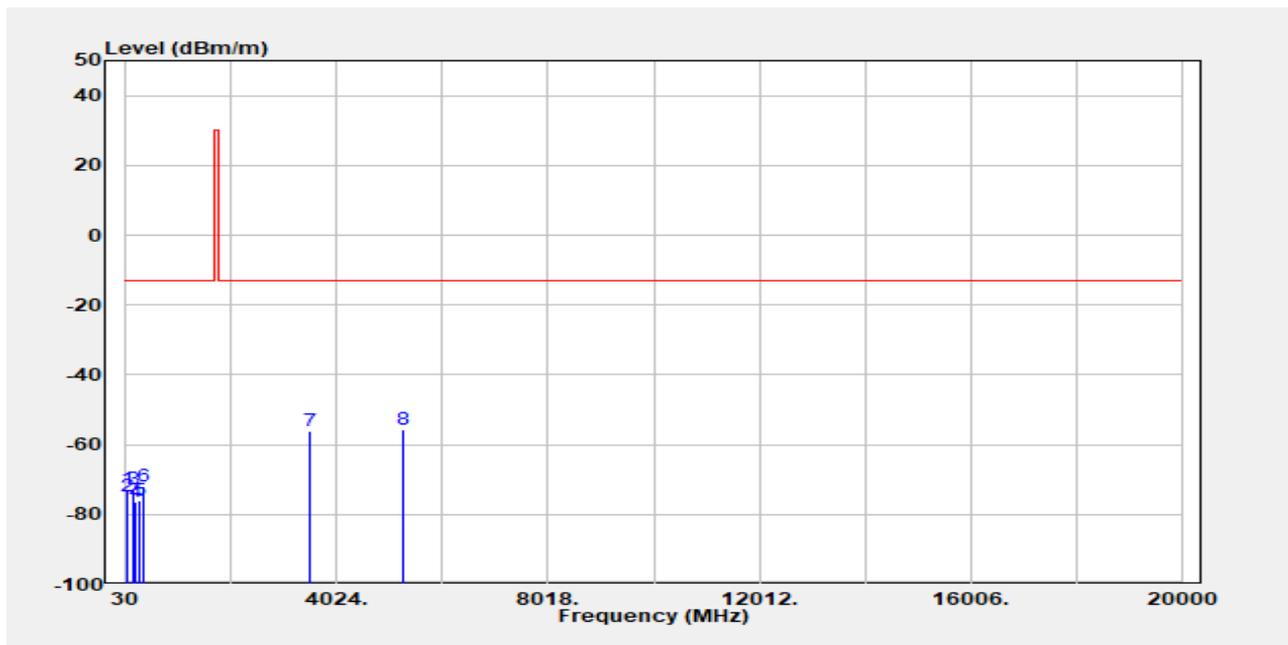
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
65.890	-78.25	-68.97	-7.80	-1.48	-13.00	-65.25
159.010	-69.62	-66.13	-1.19	-2.30	-13.00	-56.62
220.120	-78.62	-80.65	4.74	-2.71	-13.00	-65.62
273.470	-77.67	-78.35	3.71	-3.03	-13.00	-64.67
339.430	-78.11	-78.74	4.00	-3.37	-13.00	-65.11
376.290	-75.26	-75.76	4.04	-3.54	-13.00	-62.26
3490.000	-55.88	-57.31	12.44	-11.01	-13.00	-42.88
5235.000	-54.18	-53.36	12.81	-13.63	-13.00	-41.18

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n66  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :1760 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
40.670	-72.60	-58.40	-13.03	-1.17	-13.00	-59.60
67.830	-74.81	-65.71	-7.59	-1.51	-13.00	-61.81
156.100	-72.91	-69.29	-1.34	-2.28	-13.00	-59.91
223.030	-76.42	-78.60	4.91	-2.73	-13.00	-63.42
267.650	-76.09	-77.10	4.01	-3.00	-13.00	-63.09
373.380	-72.15	-72.71	4.09	-3.53	-13.00	-59.15
3520.000	-56.15	-57.41	12.32	-11.06	-13.00	-43.15
5280.000	-55.72	-54.99	12.96	-13.69	-13.00	-42.72

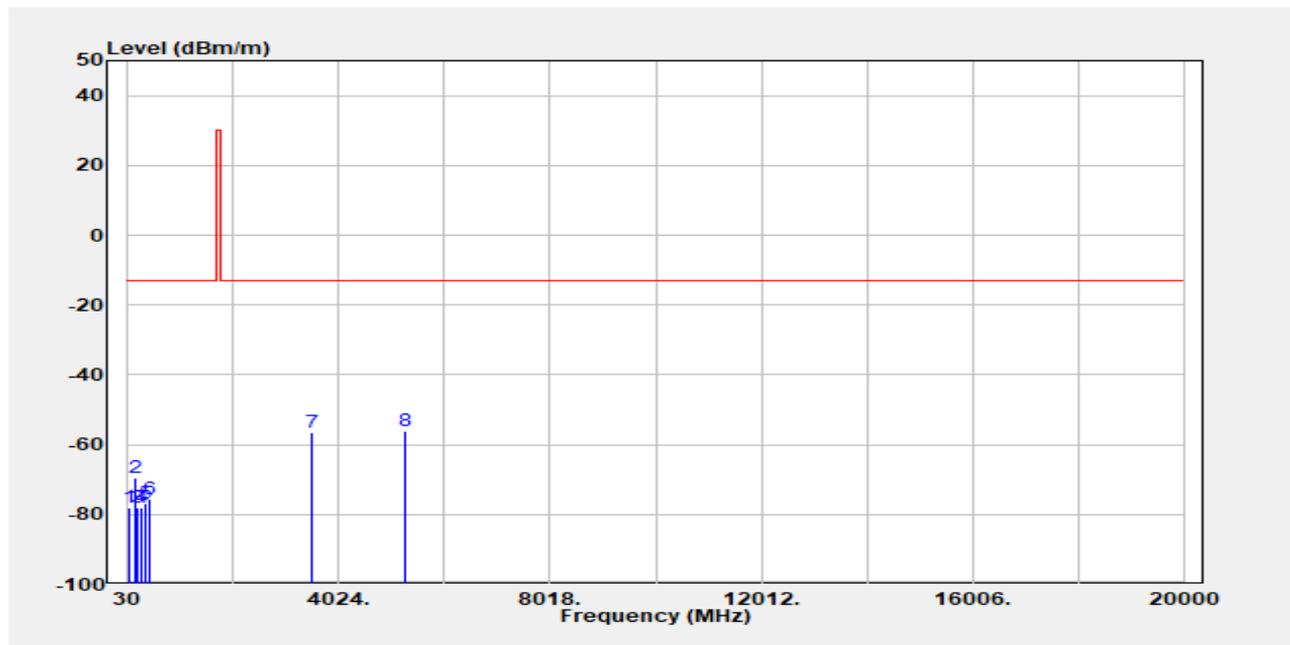
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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n66  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :1760 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
54.250	-78.14	-65.61	-11.18	-1.35	-13.00	-65.14
161.920	-69.41	-66.24	-0.84	-2.33	-13.00	-56.41
221.090	-78.03	-80.10	4.79	-2.72	-13.00	-65.03
270.560	-78.04	-78.82	3.79	-3.01	-13.00	-65.04
356.890	-76.98	-77.79	4.25	-3.44	-13.00	-63.98
430.610	-75.53	-75.59	3.84	-3.78	-13.00	-62.53
3520.000	-56.39	-57.65	12.32	-11.06	-13.00	-43.39
5280.000	-56.09	-55.36	12.96	-13.69	-13.00	-43.09

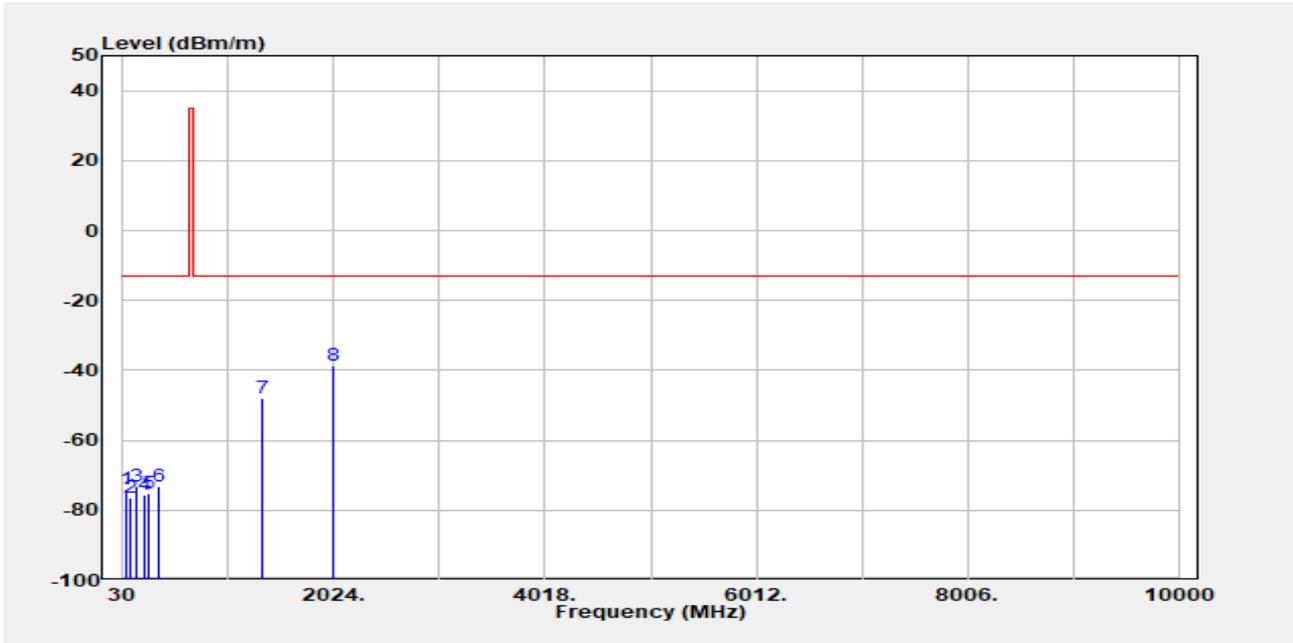
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n71  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :673 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



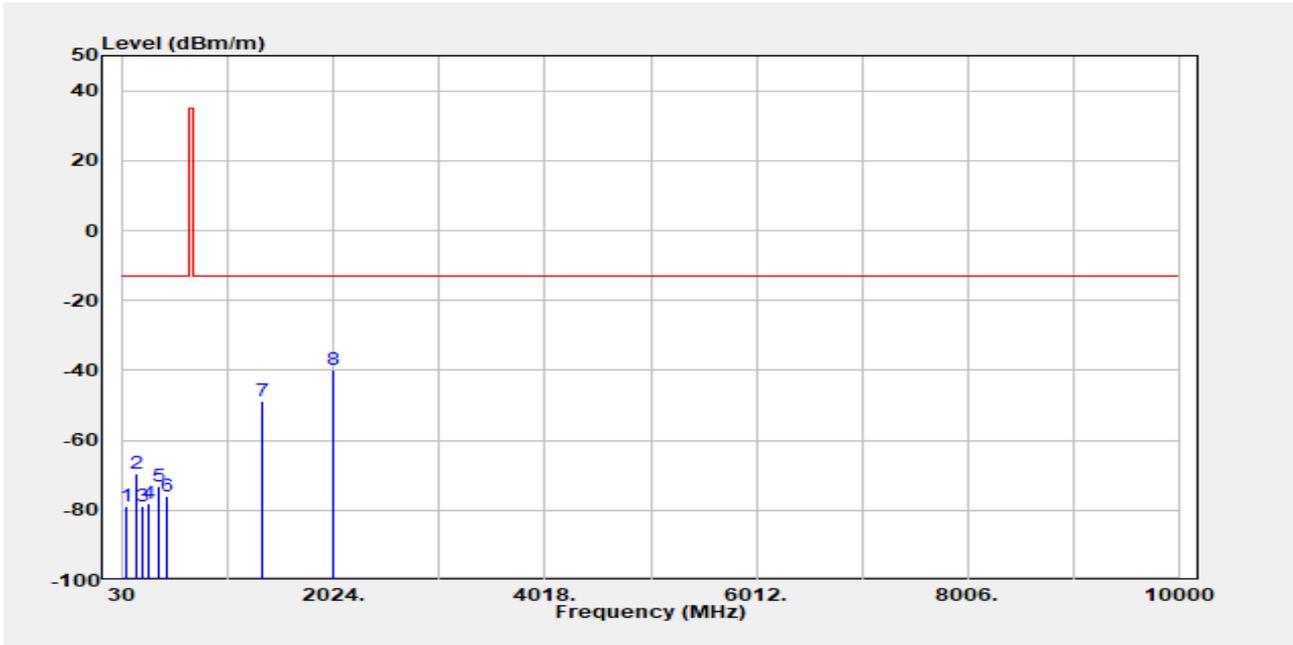
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
66.860	-73.96	-64.76	-7.70	-1.50	-13.00	-60.96
92.080	-76.51	-73.90	-0.85	-1.76	-13.00	-63.51
152.220	-73.28	-69.47	-1.55	-2.26	-13.00	-60.28
228.850	-75.46	-77.48	4.78	-2.76	-13.00	-62.46
273.470	-75.22	-75.90	3.71	-3.03	-13.00	-62.22
370.470	-73.27	-73.89	4.13	-3.51	-13.00	-60.27
1346.000	-48.02	-48.59	7.30	-6.73	-13.00	-35.02
2019.000	-38.66	-40.77	10.40	-8.29	-13.00	-25.66

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n71  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :673 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



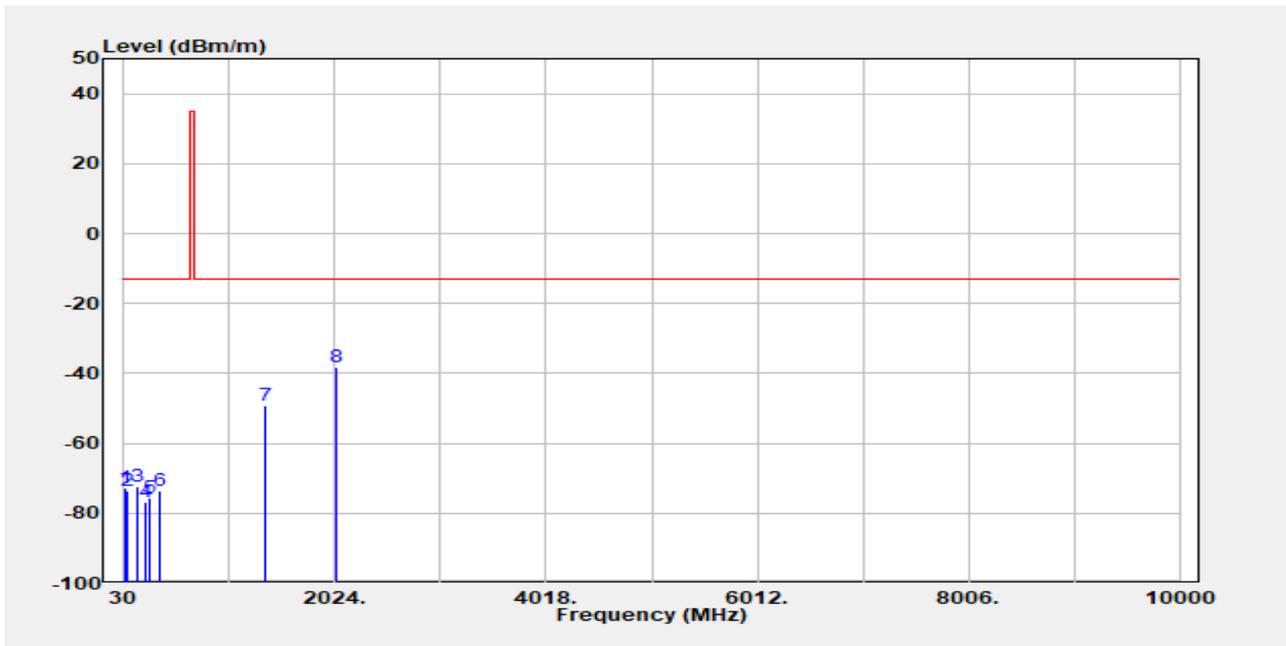
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.830	-79.02	-69.92	-7.59	-1.51	-13.00	-66.02
159.980	-69.38	-66.03	-1.04	-2.31	-13.00	-56.38
221.090	-78.71	-80.78	4.79	-2.72	-13.00	-65.71
272.500	-77.88	-78.60	3.74	-3.02	-13.00	-64.88
372.410	-73.16	-73.74	4.10	-3.52	-13.00	-60.16
442.250	-76.09	-75.86	3.61	-3.84	-13.00	-63.09
1346.000	-48.91	-49.48	7.30	-6.73	-13.00	-35.91
2019.000	-39.74	-41.85	10.40	-8.29	-13.00	-26.74

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n71  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :680.5 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Vertical  
 Engineer :Nick Lin



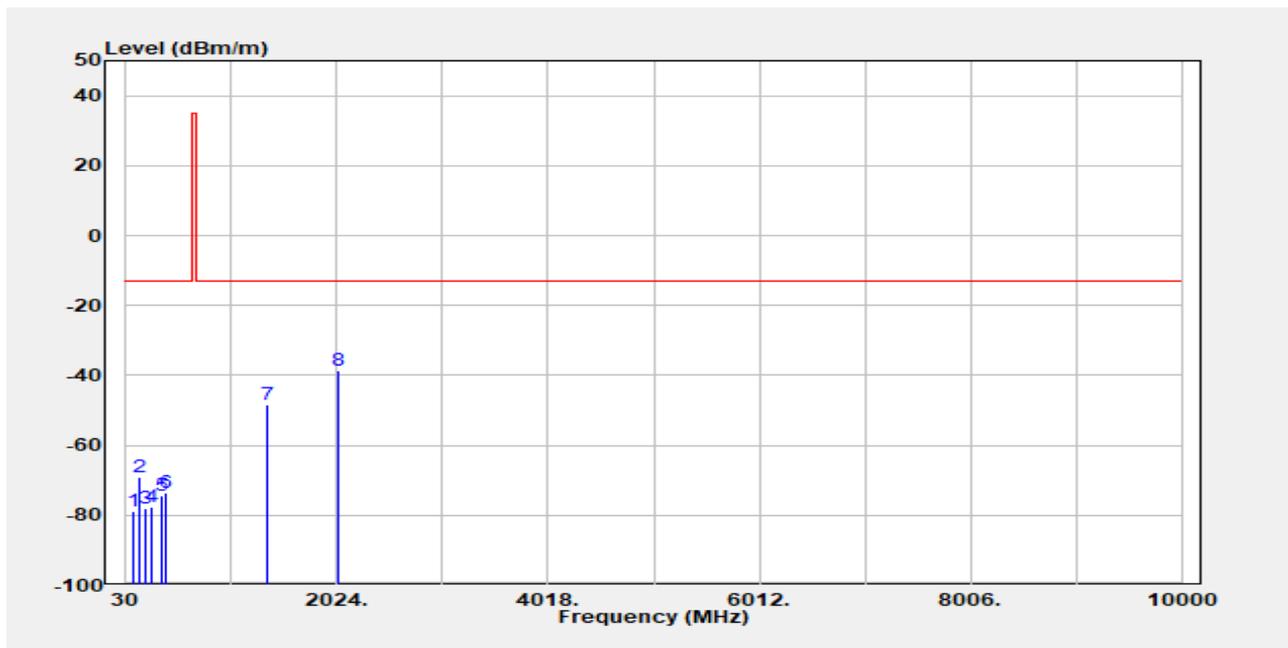
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
40.670	-72.73	-58.53	-13.03	-1.17	-13.00	-59.73
67.830	-73.46	-64.36	-7.59	-1.51	-13.00	-60.46
153.190	-72.26	-68.56	-1.44	-2.26	-13.00	-59.26
229.820	-76.88	-78.83	4.72	-2.77	-13.00	-63.88
265.710	-75.80	-76.99	4.18	-2.99	-13.00	-62.80
372.410	-73.42	-74.00	4.10	-3.52	-13.00	-60.42
1361.000	-49.28	-50.02	7.51	-6.77	-13.00	-36.28
2041.500	-38.26	-40.04	10.12	-8.34	-13.00	-25.26

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n71  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :680.5 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
92.080	-78.95	-76.34	-0.85	-1.76	-13.00	-65.95
159.010	-69.23	-65.74	-1.19	-2.30	-13.00	-56.23
216.240	-78.17	-80.06	4.58	-2.69	-13.00	-65.17
269.590	-77.66	-78.50	3.85	-3.01	-13.00	-64.66
371.440	-74.56	-75.16	4.12	-3.52	-13.00	-61.56
401.510	-73.44	-73.70	3.92	-3.66	-13.00	-60.44
1361.000	-48.22	-48.96	7.51	-6.77	-13.00	-35.22
2041.500	-38.80	-40.58	10.12	-8.34	-13.00	-25.80

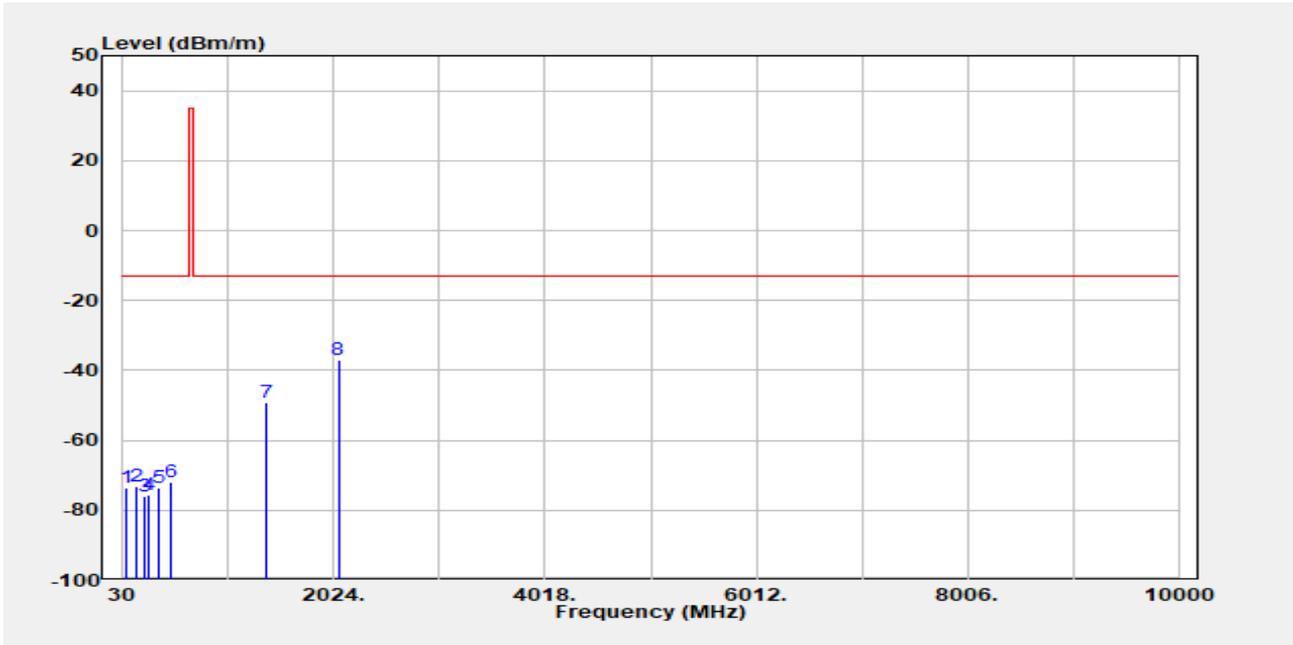
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n71  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :688 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



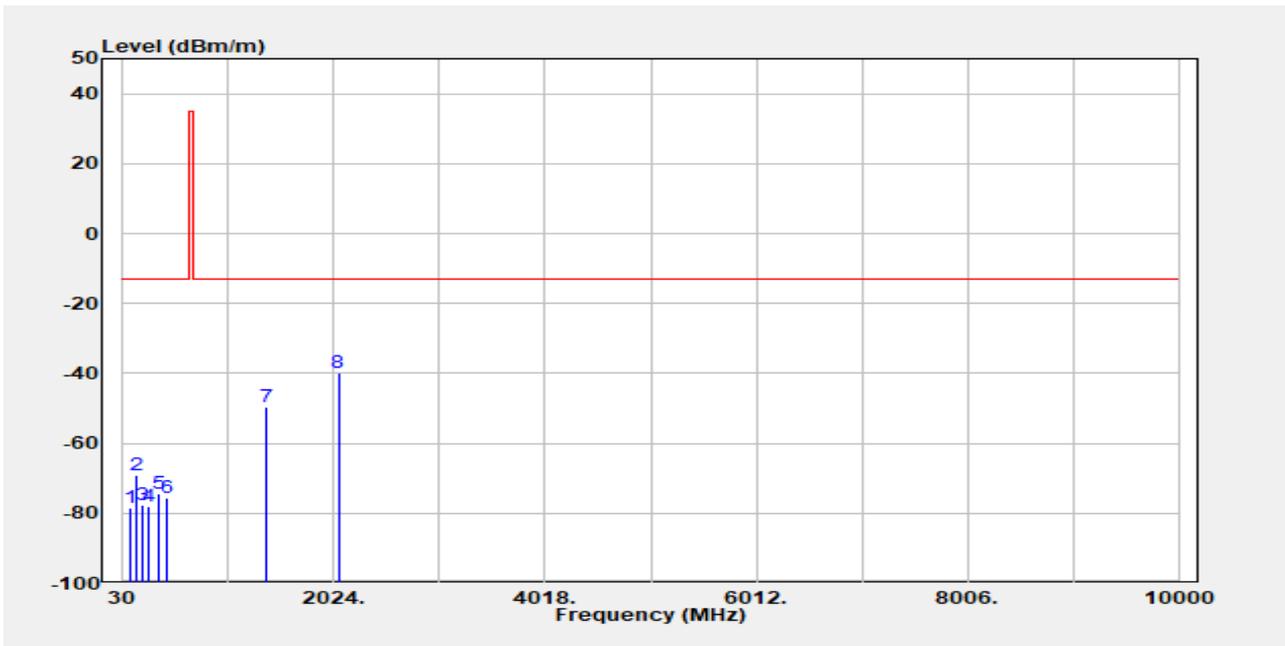
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.830	-73.56	-64.46	-7.59	-1.51	-13.00	-60.56
155.130	-73.02	-69.25	-1.49	-2.28	-13.00	-60.02
230.790	-76.12	-77.95	4.60	-2.77	-13.00	-63.12
270.560	-75.55	-76.33	3.79	-3.01	-13.00	-62.55
368.530	-73.46	-74.13	4.17	-3.50	-13.00	-60.46
483.960	-72.09	-72.14	4.07	-4.02	-13.00	-59.09
1376.000	-49.10	-49.78	7.48	-6.80	-13.00	-36.10
2064.000	-37.12	-38.89	10.16	-8.39	-13.00	-24.12

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n71  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :688 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Horizontal  
Engineer :Nick Lin



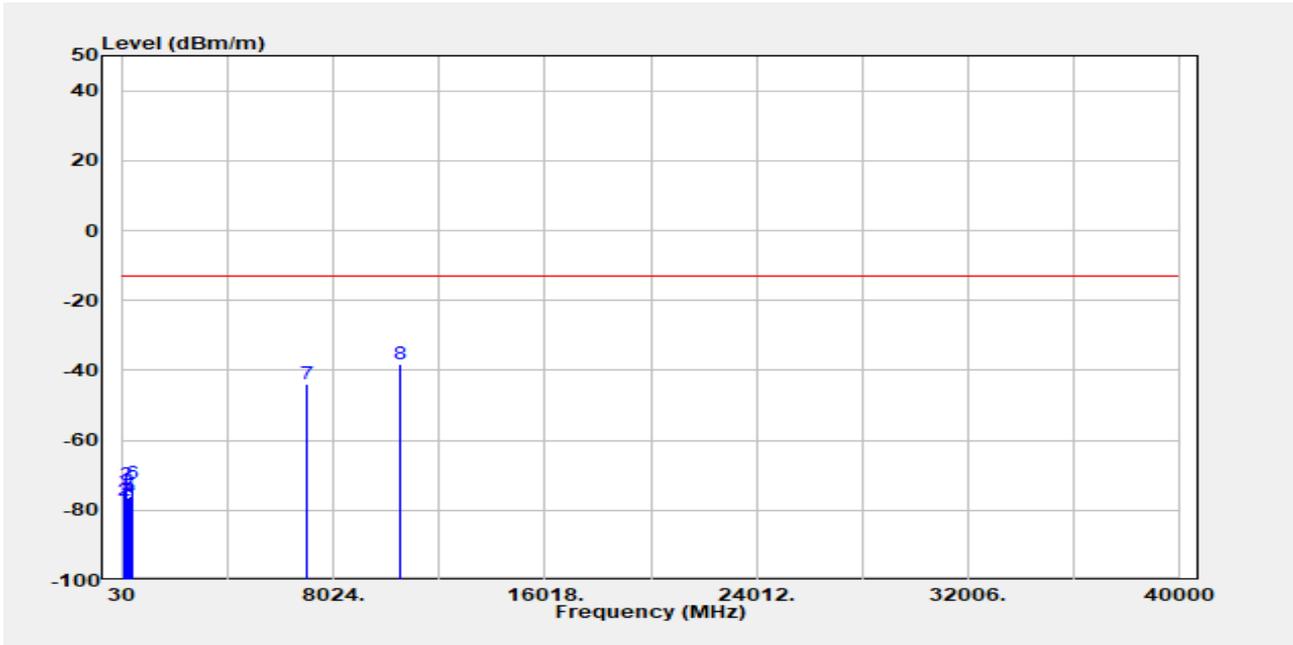
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
91.110	-78.51	-75.92	-0.84	-1.75	-13.00	-65.51
158.040	-69.30	-65.85	-1.15	-2.30	-13.00	-56.30
217.210	-77.70	-79.63	4.62	-2.69	-13.00	-64.70
271.530	-78.20	-78.95	3.77	-3.02	-13.00	-65.20
375.320	-74.51	-75.02	4.05	-3.54	-13.00	-61.51
437.400	-75.77	-75.65	3.70	-3.82	-13.00	-62.77
1376.000	-49.54	-50.22	7.48	-6.80	-13.00	-36.54
2064.000	-39.67	-41.44	10.16	-8.39	-13.00	-26.67

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Report Number :TERF2407002104ER  
Operation Mode :NR\_n77(Part27)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :3500.01 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°C/58%  
Antenna Pol. :Vertical  
Engineer :Nick Lin



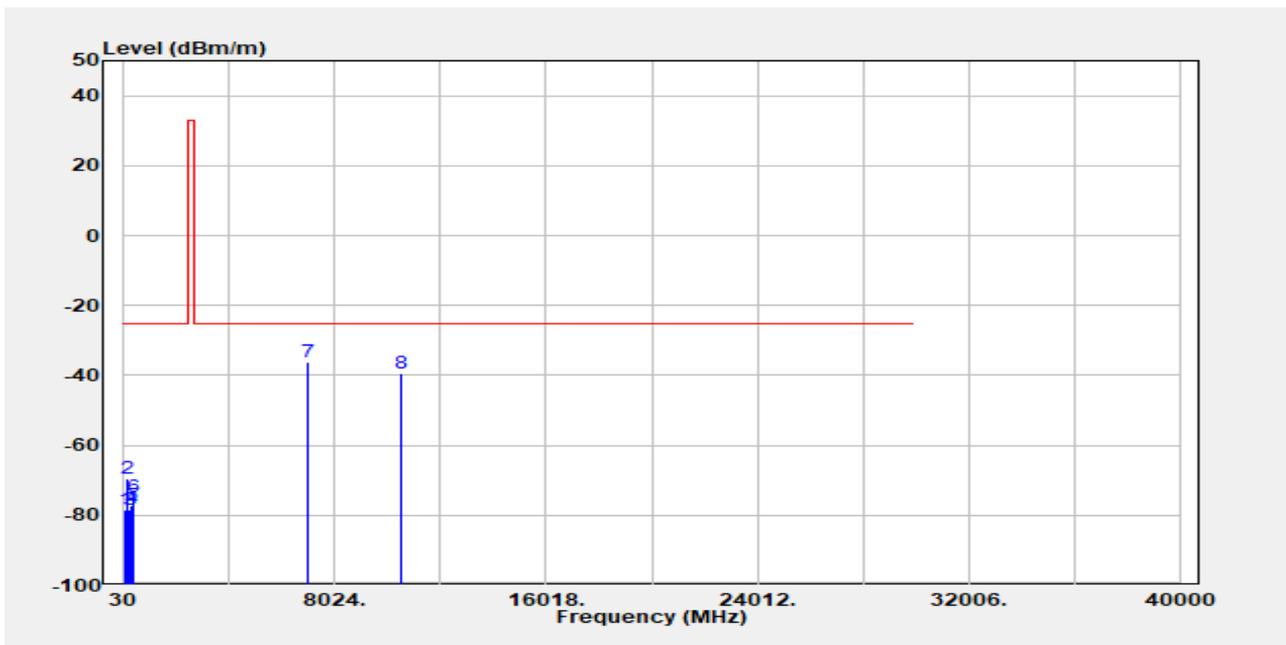
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
68.800	-74.50	-65.91	-7.07	-1.52	-13.00	-61.50
92.080	-77.30	-74.69	-0.85	-1.76	-13.00	-64.30
152.220	-72.74	-68.93	-1.55	-2.26	-13.00	-59.74
226.910	-76.26	-78.41	4.90	-2.75	-13.00	-63.26
270.560	-75.90	-76.68	3.79	-3.01	-13.00	-62.90
370.470	-72.56	-73.18	4.13	-3.51	-13.00	-59.56
7000.020	-44.02	-39.55	11.40	-15.87	-13.00	-31.02
10500.030	-38.37	-30.19	11.40	-19.58	-13.00	-25.37

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n77(Part27)  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :3500.01 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°C/58%  
 Antenna Pol. :Horizontal  
 Engineer :Nick Lin



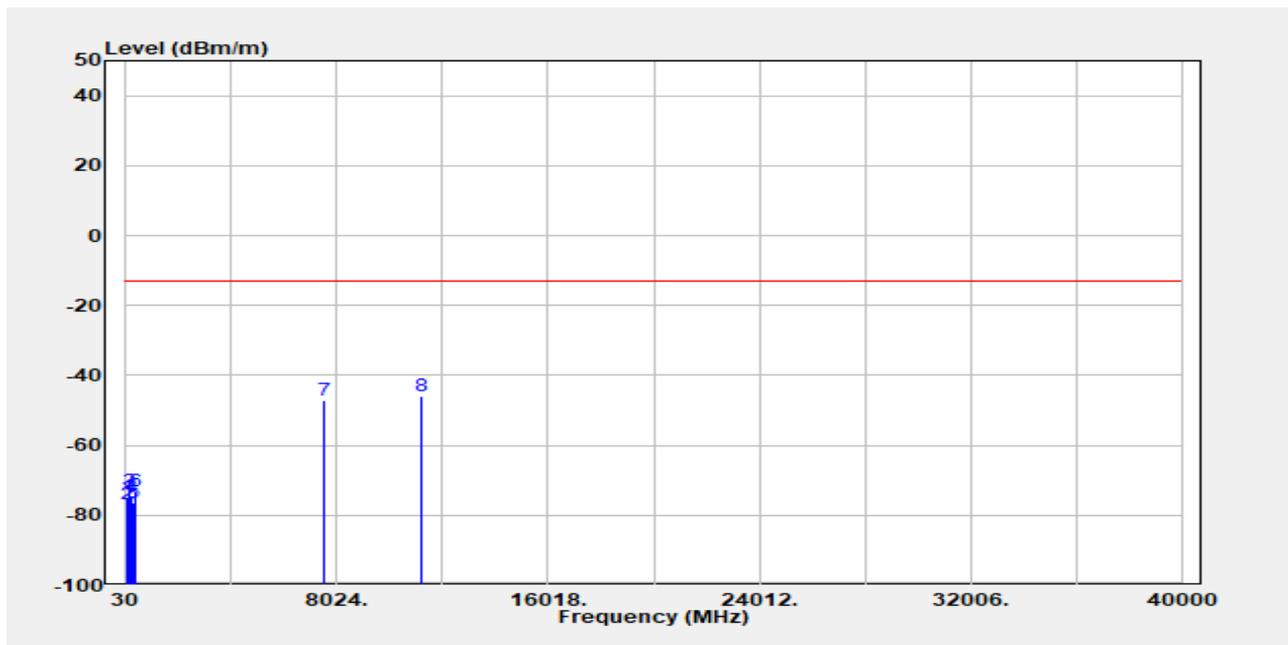
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
67.830	-78.45	-69.35	-7.59	-1.51	-25.00	-53.45
159.980	-69.37	-66.02	-1.04	-2.31	-25.00	-44.37
217.210	-78.57	-80.50	4.62	-2.69	-25.00	-53.57
284.140	-78.19	-78.80	3.69	-3.08	-25.00	-53.19
336.520	-77.06	-77.63	3.92	-3.35	-25.00	-52.06
374.350	-74.68	-75.22	4.07	-3.53	-25.00	-49.68
7000.020	-36.38	-31.91	11.40	-15.87	-13.00	-23.38
10500.030	-39.31	-31.13	11.40	-19.58	-13.00	-26.31

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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n77(Part27)  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :3750 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
68.800	-74.65	-66.06	-7.07	-1.52	-13.00	-61.65
92.080	-76.92	-74.31	-0.85	-1.76	-13.00	-63.92
155.130	-73.11	-69.34	-1.49	-2.28	-13.00	-60.11
227.880	-74.89	-76.97	4.84	-2.76	-13.00	-61.89
274.440	-76.22	-76.88	3.69	-3.03	-13.00	-63.22
374.350	-72.97	-73.51	4.07	-3.53	-13.00	-59.97
7500.000	-47.22	-41.79	11.00	-16.43	-13.00	-34.22
11250.000	-45.77	-37.30	11.80	-20.27	-13.00	-32.77

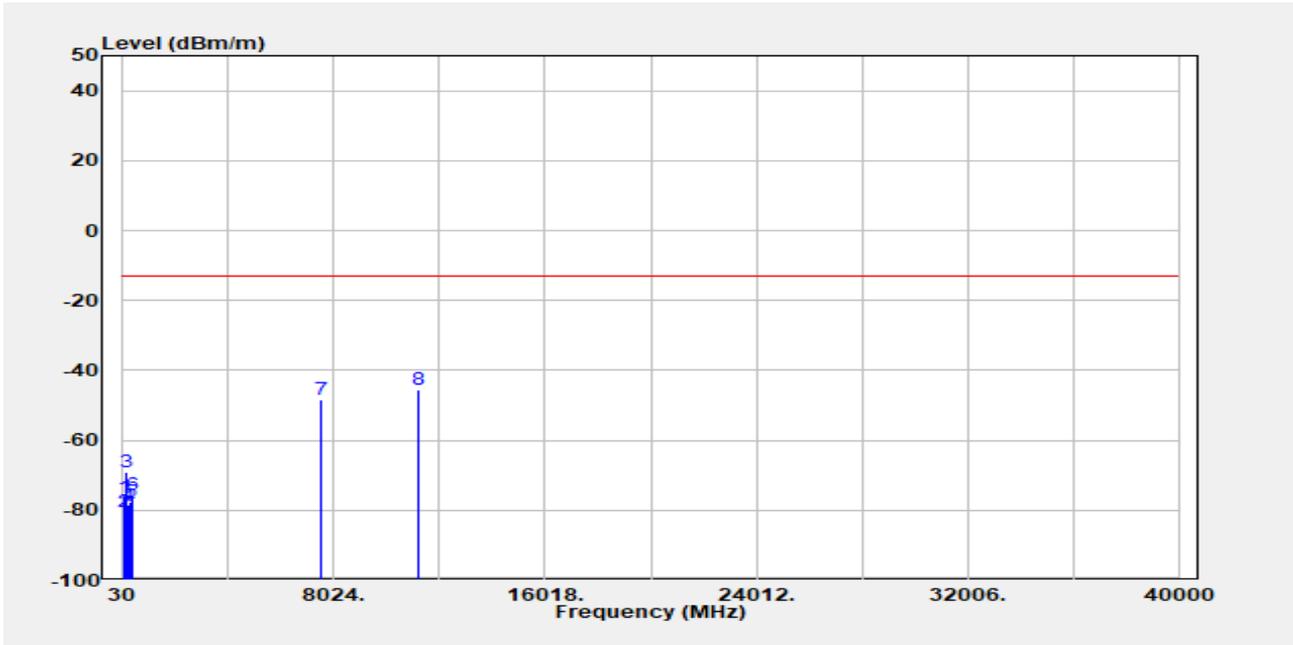
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n77(Part27)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :3750 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
48.430	-76.41	-62.86	-12.27	-1.28	-13.00	-63.41
92.080	-80.52	-77.91	-0.85	-1.76	-13.00	-67.52
161.920	-69.29	-66.12	-0.84	-2.33	-13.00	-56.29
216.240	-78.88	-80.77	4.58	-2.69	-13.00	-65.88
271.530	-77.71	-78.46	3.77	-3.02	-13.00	-64.71
365.620	-75.65	-76.38	4.22	-3.49	-13.00	-62.65
7500.000	-48.45	-43.02	11.00	-16.43	-13.00	-35.45
11250.000	-45.70	-37.23	11.80	-20.27	-13.00	-32.70

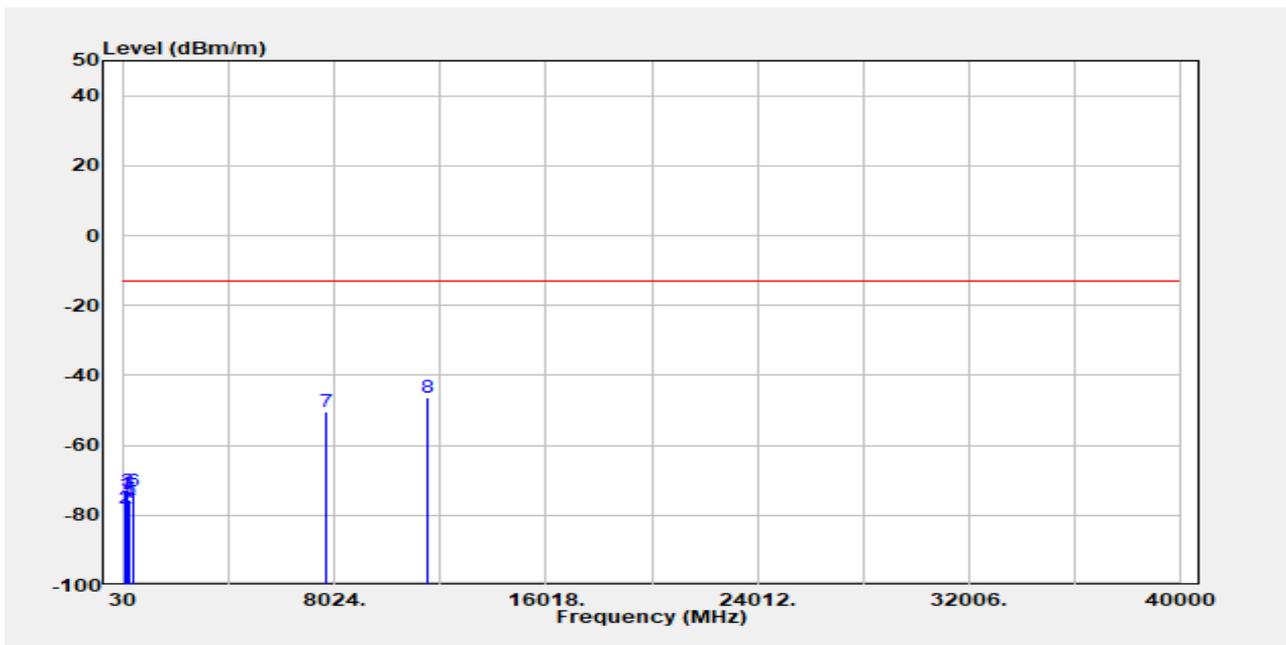
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Report Number :TERF2407002104ER  
 Operation Mode :NR\_n77(Part27)  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :3840 MHz

Test Site :SAC 3  
 Test Date :2024-10-25  
 Temp./Humi. :26.2°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
68.800	-73.89	-65.30	-7.07	-1.52	-13.00	-60.89
92.080	-77.88	-75.27	-0.85	-1.76	-13.00	-64.88
148.340	-73.14	-69.25	-1.66	-2.23	-13.00	-60.14
228.850	-76.59	-78.61	4.78	-2.76	-13.00	-63.59
265.710	-75.76	-76.95	4.18	-2.99	-13.00	-62.76
373.380	-73.01	-73.57	4.09	-3.53	-13.00	-60.01
7680.000	-50.36	-45.13	11.42	-16.65	-13.00	-37.36
11520.000	-46.34	-37.31	11.54	-20.57	-13.00	-33.34

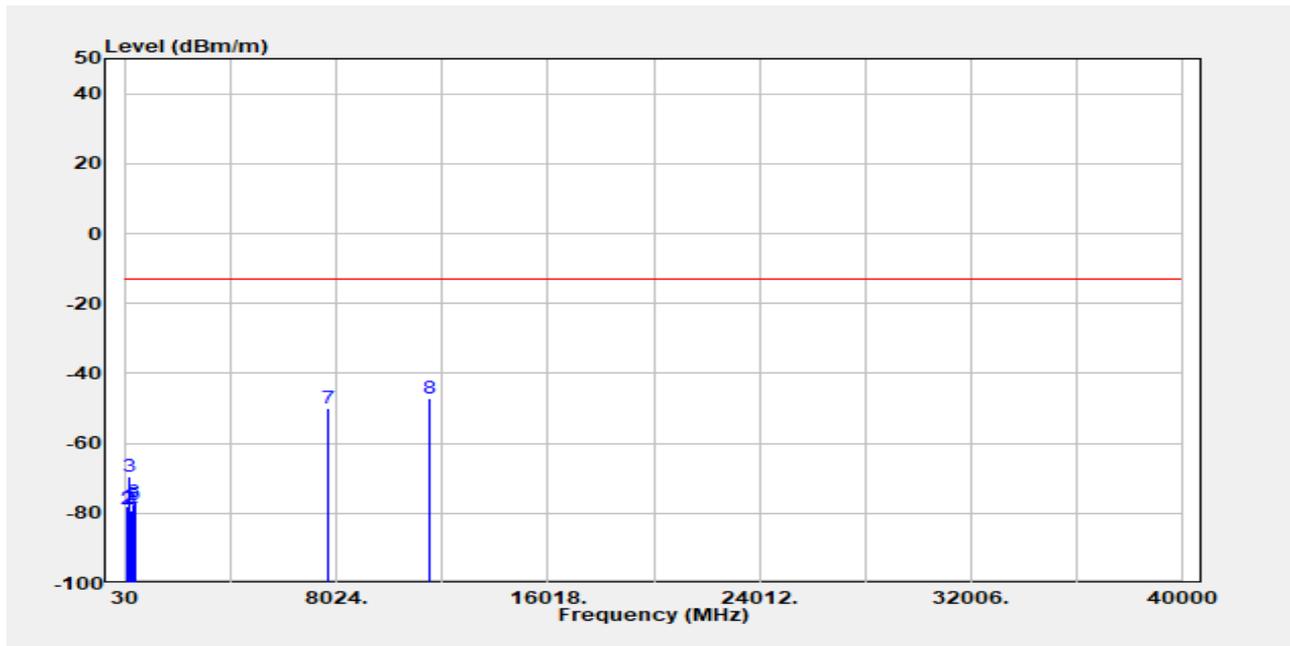
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n77(Part27)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :3840 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
57.160	-77.94	-66.01	-10.54	-1.39	-13.00	-64.94
92.080	-79.05	-76.44	-0.85	-1.76	-13.00	-66.05
158.040	-69.42	-65.97	-1.15	-2.30	-13.00	-56.42
220.120	-79.17	-81.20	4.74	-2.71	-13.00	-66.17
271.530	-77.65	-78.40	3.77	-3.02	-13.00	-64.65
345.250	-76.65	-77.31	4.05	-3.39	-13.00	-63.65
7680.000	-49.96	-44.73	11.42	-16.65	-13.00	-36.96
11520.000	-47.05	-38.02	11.54	-20.57	-13.00	-34.05

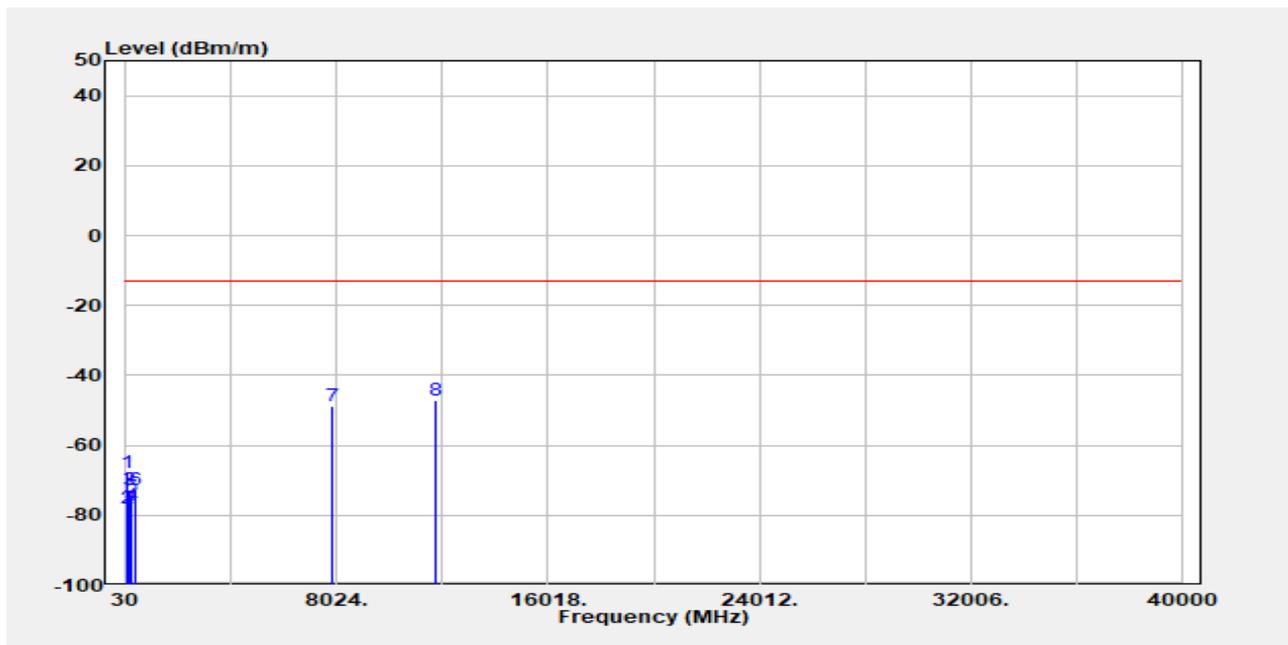
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n77(Part27)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :3930 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
57.160	-67.92	-55.99	-10.54	-1.39	-13.00	-54.92
91.110	-77.89	-75.30	-0.84	-1.75	-13.00	-64.89
151.250	-72.70	-68.82	-1.63	-2.25	-13.00	-59.70
225.940	-77.22	-79.43	4.96	-2.75	-13.00	-64.22
266.680	-74.76	-75.87	4.10	-2.99	-13.00	-61.76
373.380	-72.84	-73.40	4.09	-3.53	-13.00	-59.84
7860.000	-48.74	-43.31	11.40	-16.83	-13.00	-35.74
11790.000	-47.13	-38.68	12.36	-20.81	-13.00	-34.13

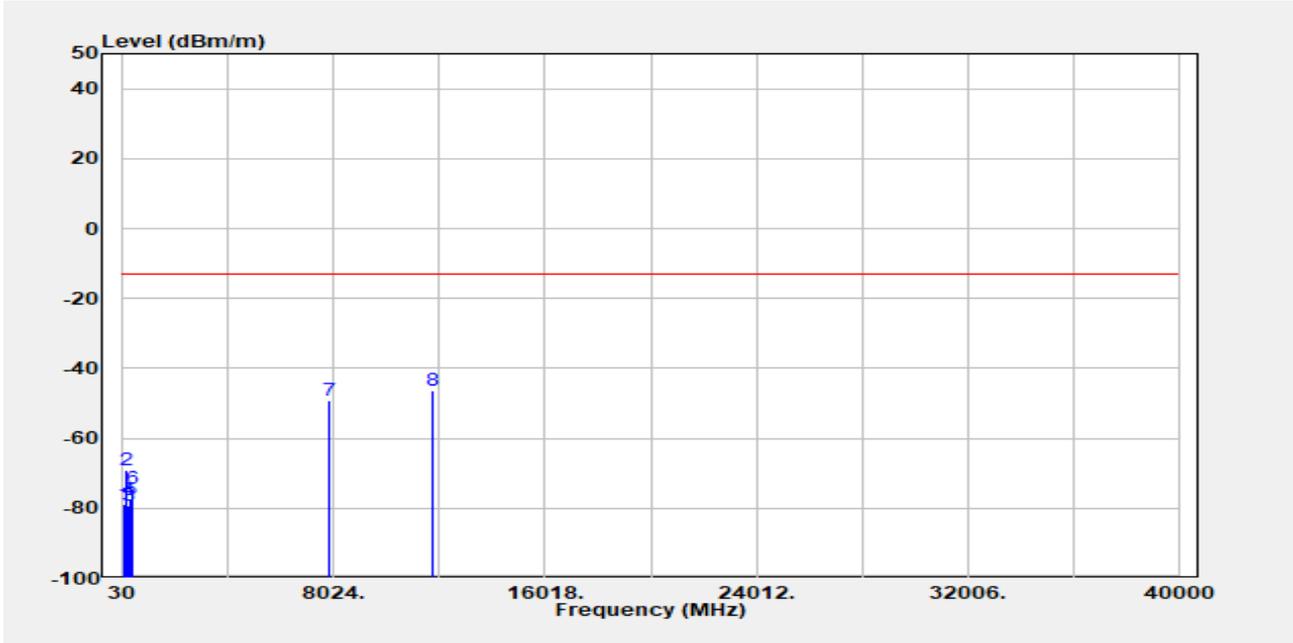
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Report Number :TERF2407002104ER  
Operation Mode :NR\_n77(Part27)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :3930 MHz

Test Site :SAC 3  
Test Date :2024-10-25  
Temp./Humi. :26.2°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
92.080	-78.69	-76.08	-0.85	-1.76	-13.00	-65.69
159.010	-68.91	-65.42	-1.19	-2.30	-13.00	-55.91
220.120	-79.22	-81.25	4.74	-2.71	-13.00	-66.22
270.560	-77.68	-78.46	3.79	-3.01	-13.00	-64.68
337.490	-77.60	-78.18	3.94	-3.36	-13.00	-64.60
378.230	-74.31	-74.77	4.01	-3.55	-13.00	-61.31
7860.000	-49.31	-43.88	11.40	-16.83	-13.00	-36.31
11790.000	-46.43	-37.98	12.36	-20.81	-13.00	-33.43

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## 6 FREQUENCY STABILITY MEASUREMENT

**Note:** The battery is rated 7.8V dc.

5G NR BAND n2				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15 kHz	Bandwidth:		20MHz
CH	376000	Frequency(MHz):		1880.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	1879.999996	-4	4700
7.8	20	1879.999984	-16	4700
6.63	20	1880.000011	11	4700
5.1 (End Point)	20	1879.999990	-10	4700
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	1879.999988	-12	4700
7.8	-20	1880.000013	13	4700
7.8	-10	1879.999993	-7	4700
7.8	0	1879.999994	-6	4700
7.8	10	1880.000001	1	4700
7.8	20	1880.000008	8	4700
7.8	30	1879.999990	-10	4700
7.8	40	1880.000018	18	4700
7.8	50	1879.999998	-2	4700

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5G NR BAND n5				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	20MHz
CH	167300		Frequency(MHz):	836.50
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	836.499999	-1	2091
7.8	20	836.499996	-4	2091
6.63	20	836.500010	10	2091
5.1 (End Point)	20	836.500015	15	2091
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	836.499987	-13	2091
7.8	-20	836.499997	-3	2091
7.8	-10	836.500011	11	2091
7.8	0	836.499986	-14	2091
7.8	10	836.499998	-2	2091
7.8	20	836.499992	-8	2091
7.8	30	836.499995	-5	2091
7.8	40	836.499997	-3	2091
7.8	50	836.499992	-8	2091

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5G NR BAND n7				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	50MHz
CH	507000		Frequency(MHz):	2535.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	2534.999990	-10	6338
7.8	20	2535.000008	8	6338
6.63	20	2534.999988	-12	6338
5.1 (End Point)	20	2535.000006	6	6338
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	2535.000007	7	6338
7.8	-20	2534.999996	-4	6338
7.8	-10	2534.999985	-15	6338
7.8	0	2535.000016	16	6338
7.8	10	2535.000007	7	6338
7.8	20	2534.999998	-2	6338
7.8	30	2535.000012	12	6338
7.8	40	2534.999992	-8	6338
7.8	50	2535.000007	7	6338

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5G NR BAND n12				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15 kHz	Bandwidth:		15MHz
CH	141500	Frequency(MHz):		707.50
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	707.499982	-18	1769
7.8	20	707.499999	-1	1769
6.63	20	707.499989	-12	1769
5.1 (End Point)	20	707.500013	13	1769
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	707.499998	-2	1769
7.8	-20	707.500010	10	1769
7.8	-10	707.500005	5	1769
7.8	0	707.499986	-14	1769
7.8	10	707.499988	-12	1769
7.8	20	707.499991	-9	1769
7.8	30	707.499994	-6	1769
7.8	40	707.499996	-4	1769
7.8	50	707.500015	15	1769

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5G NR BAND n25				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	20MHz
CH	376500		Frequency(MHz):	1882.50
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	1882.499984	-16	4706
7.8	20	1882.499987	-13	4706
6.63	20	1882.500012	12	4706
5.1 (End Point)	20	1882.500015	15	4706
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	1882.500002	2	4706
7.8	-20	1882.500001	1	4706
7.8	-10	1882.499998	-2	4706
7.8	0	1882.500000	0	4706
7.8	10	1882.499984	-16	4706
7.8	20	1882.499994	-6	4706
7.8	30	1882.499997	-3	4706
7.8	40	1882.499998	-2	4706
7.8	50	1882.499998	-2	4706

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5G NR BAND n26 Part90s				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	10MHz
CH	163800		Frequency(MHz):	819.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	818.999983	-17	2048
7.8	20	819.000010	10	2048
6.63	20	818.999988	-12	2048
5.1 (End Point)	20	819.000000	0	2048
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	819.000019	19	2048
7.8	-20	819.000010	10	2048
7.8	-10	818.999981	-19	2048
7.8	0	818.999994	-6	2048
7.8	10	819.000000	0	2048
7.8	20	818.999994	-6	2048
7.8	30	818.999980	-20	2048
7.8	40	818.999994	-6	2048
7.8	50	819.000000	0	2048

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5G NR BAND n26				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	20MHz
CH	167300		Frequency(MHz):	836.50
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	836.499994	-6	2091
7.8	20	836.500018	18	2091
6.63	20	836.499994	-6	2091
5.1 (End Point)	20	836.499983	-17	2091
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	819.000019	19	2091
7.8	-20	819.000001	1	2091
7.8	-10	819.000007	7	2091
7.8	0	819.000002	2	2091
7.8	10	819.000007	7	2091
7.8	20	819.000018	18	2091
7.8	30	819.000013	13	2091
7.8	40	818.999985	-15	2091
7.8	50	818.999986	-14	2091

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5G NR BAND n30				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15	kHz	Bandwidth:	10MHz
CH	462000		Frequency(MHz):	2310.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	2309.999991	-9	5775
7.8	20	2309.999989	-11	5775
6.63	20	2310.000003	3	5775
5.1 (End Point)	20	2310.000011	11	5775
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	2310.000011	11	5775
7.8	-20	2309.999988	-12	5775
7.8	-10	2309.999982	-18	5775
7.8	0	2309.999999	-1	5775
7.8	10	2309.999989	-11	5775
7.8	20	2309.999990	-10	5775
7.8	30	2309.999997	-3	5775
7.8	40	2310.000013	13	5775
7.8	50	2310.000018	18	5775

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5G NR BAND n38				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	40MHz
CH	519000		Frequency(MHz):	2595.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	2594.999984	-17	6488
7.8	20	2595.000011	11	6488
6.63	20	2595.000006	6	6488
5.1 (End Point)	20	2594.999990	-10	6488
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	2595.000006	6	6488
7.8	-20	2595.000001	1	6488
7.8	-10	2595.000006	6	6488
7.8	0	2595.000008	8	6488
7.8	10	2595.000007	7	6488
7.8	20	2594.999995	-5	6488
7.8	30	2594.999995	-5	6488
7.8	40	2595.000006	6	6488
7.8	50	2595.000010	10	6488

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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)
8.97	20	2592.989991	-9	6482
7.8	20	2592.990003	3	6482
6.63	20	2592.989993	-7	6482
5.1 (End Point)	20	2592.989994	-6	6482
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	2592.989996	-4	6482
7.8	-20	2592.990002	2	6482
7.8	-10	2592.990012	12	6482
7.8	0	2592.989982	-18	6482
7.8	10	2592.989991	-9	6482
7.8	20	2592.990011	11	6482
7.8	30	2592.990000	0	6482
7.8	40	2592.990012	12	6482
7.8	50	2592.989993	-7	6482

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5G NR BAND n66				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15 kHz	Bandwidth:		40MHz
CH	349000	Frequency(MHz):		1745.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	1744.999988	-12	4363
7.8	20	1744.999982	-18	4363
6.63	20	1745.000014	14	4363
5.1 (End Point)	20	1745.000008	8	4363
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	1745.000017	17	4363
7.8	-20	1744.999983	-17	4363
7.8	-10	1744.999982	-18	4363
7.8	0	1744.999994	-6	4363
7.8	10	1744.999988	-12	4363
7.8	20	1745.000016	16	4363
7.8	30	1744.999994	-6	4363
7.8	40	1744.999995	-5	4363
7.8	50	1744.999984	-16	4363

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5G NR BAND n71				
Reference Freq.:		Modulation.:		CP-OFDM QPSK
SCS.:	15 kHz	Bandwidth:		20MHz
CH	136100	Frequency(MHz):		680.50
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
8.97	20	680.500007	7	1701
7.8	20	680.500007	7	1701
6.63	20	680.500012	12	1701
5.1 (End Point)	20	680.500004	4	1701
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	680.499986	-14	1701
7.8	-20	680.499991	-9	1701
7.8	-10	680.499985	-15	1701
7.8	0	680.499986	-14	1701
7.8	10	680.500002	2	1701
7.8	20	680.499987	-13	1701
7.8	30	680.499981	-19	1701
7.8	40	680.499991	-9	1701
7.8	50	680.500005	5	1701

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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)
8.97	20	3839.999995	-5	9600
7.8	20	3840.000003	3	9600
6.63	20	3839.999992	-8	9600
5.1 (End Point)	20	3840.000007	7	9600
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
7.8	-30	3839.999997	-3	9600
7.8	-20	3840.000006	6	9600
7.8	-10	3839.999994	-6	9600
7.8	0	3839.999993	-7	9600
7.8	10	3839.999997	-3	9600
7.8	20	3840.000008	8	9600
7.8	30	3839.999980	-20	9600
7.8	40	3839.999987	-13	9600
7.8	50	3840.000011	11	9600

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## 7 PEAK TO AVERAGE RATION

5G NR BAND n2							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1852.50	370500	7.37	13	1855.00	371000	9.05	13
1880.00	376000	7.18	13	1880.00	376000	9.52	13
1907.50	381500	10.64	13	1905.00	381000	9.15	13

5G NR BAND n2							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1857.50	371500	9.82	13	1860.00	372000	10.44	13
1880.00	376000	9.15	13	1880.00	376000	9.33	13
1902.50	380500	9.32	13	1900.00	380000	9.58	13

5G NR BAND n2							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 25MHz				Channel bandwidth: 30MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1862.50	372500	10.69	13	1865.00	373000	9.94	13
1880.00	376000	10.55	13	1880.00	376000	10.41	13
1897.50	379500	9.88	13	1895.00	379000	10.57	13

5G NR BAND n2							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 35MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1867.50	373500	10.28	13	1870.00	374000	10.04	13
1880.00	376000	10.69	13	1880.00	376000	11.56	13
1892.50	378500	10.23	13	1890.00	378000	10.57	13

5G NR BAND n5							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
826.50	165300	7.19	13	829.00	165800	8.46	13
836.50	167300	8.02	13	836.50	167300	9.30	13
846.50	169300	7.04	13	844.00	168800	9.49	13

5G NR BAND n5							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
831.50	166300	9.56	13	834.00	166800	9.18	13
836.50	167300	9.24	13	836.50	167300	10.14	13
841.50	168300	8.81	13	839.00	167800	9.65	13

5G NR BAND n7							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2502.50	500500	7.96	13	2505.00	501000	9.72	13
2535.00	507000	7.26	13	2535.00	507000	8.83	13
2567.50	513500	7.22	13	2565.00	513000	9.54	13

5G NR BAND n7							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2507.50	501500	9.88	13	2510.00	502000	9.90	13
2535.00	507000	10.38	13	2535.00	507000	9.97	13
2562.50	512500	9.16	13	2560.00	512000	10.33	13

5G NR BAND n7							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 25MHz				Channel bandwidth: 30MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2512.50	502500	10.25	13	2515.00	503000	10.56	13
2535.00	507000	11.29	13	2535.00	507000	10.39	13
2557.50	511500	10.69	13	2555.00	511000	10.52	13

5G NR BAND n7							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 35MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2517.50	503500	10.15	13	2520.00	504000	10.99	13
2535.00	507000	10.31	13	2535.00	507000	10.28	13
2552.50	510500	9.64	13	2550.00	510000	12.04	13

5G NR BAND n7							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 50MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2525.00	505000	11.36	13				
2535.00	507000	11.00	13				
2545.00	509000	10.65	13				

5G NR BAND n12							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
701.50	140300	12.17	13	704.00	140800	9.10	13
707.50	141500	9.61	13	707.50	141500	11.57	13
713.50	142700	8.15	13	711.00	142200	10.23	13

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5G NR BAND n12							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
706.50	141300	9.70	13				
707.50	141500	9.15	13				
708.50	141700	9.30	13				

5G NR BAND n25							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1852.50	370500	7.23	13	1855.00	371000	9.14	13
1882.50	376500	7.75	13	1882.50	376500	9.18	13
1912.50	382500	6.87	13	1910.00	382000	9.41	13

5G NR BAND n25							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1857.50	371500	8.85	13	1860.00	372000	9.26	13
1882.50	376500	9.85	13	1882.50	376500	9.39	13
1907.50	381500	9.40	13	1905.00	381000	9.75	13

5G NR BAND n25							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 25MHz				Channel bandwidth: 30MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1862.50	372500	10.63	13	1865.00	373000	9.67	13
1882.50	376500	10.47	13	1882.50	376500	10.39	13
1902.50	380500	9.72	13	1900.00	380000	11.17	13

5G NR BAND n25							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 35MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1867.50	373500	9.82	13	1870.00	374000	10.78	13
1882.50	376500	10.09	13	1882.50	376500	12.33	13
1897.50	379500	10.25	13	1895.00	379000	11.48	13

5G NR BAND n26 Part90s							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
816.50	163300	7.80	13				
819.00	163800	10.87	13	819.00	163800	8.59	13
821.50	164300	7.24	13				

5G NR BAND n26							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
826.50	165300	8.06	13	829.00	165800	11.94	13
836.50	167300	9.46	13	836.50	167300	10.80	13
846.50	169300	7.33	13	844.00	168800	11.83	13

5G NR BAND n26							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
831.50	166300	9.24	13	834.00	166800	12.44	13
836.50	167300	12.54	13	836.50	167300	11.05	13
841.50	168300	9.00	13	839.00	167800	10.78	13

5G NR BAND n30							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2307.50	461500	7.16	13				
2310.00	462000	7.48	13	2310.00	462000	8.94	13
2312.50	462500	6.66	13				

5G NR BAND n38							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 10MHz				Channel bandwidth: 15MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2575.00	515000	8.45	13	2577.50	515500	9.08	13
2595.00	519000	10.70	13	2595.00	519000	9.69	13
2615.00	523000	9.94	13	2612.50	522500	11.50	13

5G NR BAND n38							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz				Channel bandwidth: 25MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2580.00	516000	12.12	13	2582.50	516500	11.55	13
2595.00	519000	10.49	13	2595.00	519000	12.14	13
2610.00	522000	9.78	13	2607.50	521500	12.74	13

5G NR BAND n38							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2585.00	517000	11.53	13	2590.00	518000	11.46	13
2595.00	519000	12.74	13	2595.00	519000	11.41	13
2605.00	521000	11.09	13	2600.00	520000	11.11	13

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5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 10MHz				Channel bandwidth: 15MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2501.01	500202	9.53	13	2503.50	500700	11.52	13
2592.99	518598	10.82	13	2592.99	518598	12.53	13
2685.00	537000	8.59	13	2682.48	536496	9.14	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz				Channel bandwidth: 25MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2506.02	501204	12.73	13	2508.51	501702	10.43	13
2592.99	518598	10.44	13	2593.02	518604	11.12	13
2679.99	535998	11.11	13	2677.50	535500	10.30	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 35MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2511.00	502200	11.46	13	2513.52	502704	11.68	13
2592.99	518598	11.44	13	2593.02	518604	12.90	13
2674.98	534996	10.29	13	2672.49	534498	11.74	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 40MHz				Channel bandwidth: 45MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2516.01	503202	11.31	13	2518.50	503700	11.13	13
2592.99	518598	11.90	13	2593.02	518604	10.84	13
2670.00	534000	11.86	13	2667.48	533496	10.85	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 50MHz				Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2521.02	504204	12.28	13	2526.00	505200	12.77	13
2592.99	518598	10.85	13	2592.99	518598	11.60	13
2664.99	532998	11.15	13	2659.98	531996	11.63	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 70MHz				Channel bandwidth: 80MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2531.01	506202	11.60	13	2536.02	507204	11.54	13
2592.99	518598	11.75	13	2592.99	518598	11.40	13
2655.00	531000	11.55	13	2649.99	529998	12.16	13

5G NR BAND n41							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 90MHz				Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
2541.00	508200	12.41	13	2546.01	509202	11.19	13
2592.99	518598	11.71	13	2592.99	518598	12.21	13
2644.98	528996	12.68	13	2640.00	528000	12.81	13

5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1712.50	342500	12.82	13	1715.00	343000	8.98	13
1745.00	349000	7.20	13	1745.00	349000	9.34	13
1777.50	355500	7.80	13	1775.00	355000	9.34	13

5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1717.50	343500	9.35	13	1720.00	344000	10.64	13
1745.00	349000	8.91	13	1745.00	349000	10.43	13
1772.50	354500	9.32	13	1770.00	354000	9.52	13

5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 25MHz				Channel bandwidth: 30MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1722.50	344500	10.00	13	1725.00	345000	10.68	13
1745.00	349000	9.79	13	1745.00	349000	10.82	13
1767.50	353500	10.55	13	1765.00	353000	9.70	13

5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 35MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1727.50	345500	10.77	13	1730.00	346000	10.74	13
1745.00	349000	11.36	13	1745.00	349000	11.14	13
1762.50	352500	9.89	13	1760.00	352000	11.15	13

5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 45MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1732.50	346500	9.90	13				
1745.00	349000	10.30	13				
1751.50	351500	10.48	13				

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5G NR BAND n71							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
665.50	133100	12.28	13	668.00	133600	9.17	13
680.50	136100	10.00	13	680.50	136100	10.01	13
695.50	139100	7.17	13	693.00	138600	9.51	13

5G NR BAND n71							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
670.50	134100	11.61	13	673.00	134600	10.30	13
680.50	136100	10.93	13	680.50	136100	10.26	13
690.50	138100	9.86	13	688.00	137600	12.23	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 10MHz				Channel bandwidth: 15MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3455.01	630334	11.44	13	3457.50	630500	9.99	13
3500.01	633334	10.42	13	3500.01	633334	12.96	13
3544.98	636332	9.75	13	3542.49	636166	10.12	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz				Channel bandwidth: 25MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3460.02	630668	10.39	13	3462.51	630834	10.70	13
3500.01	633334	12.94	13	3500.01	633334	11.07	13
3540.00	636000	10.69	13	3537.48	635832	9.67	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3465.00	631000	11.15	13	3470.01	631334	11.12	13
3500.01	633334	10.27	13	3500.01	633334	10.33	13
3534.99	635666	10.72	13	3529.98	635332	11.01	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 50MHz				Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3475.02	631668	11.94	13	3480.00	632000	11.01	13
3500.01	633334	11.48	13	3500.01	633334	11.74	13
3525.00	635000	11.60	13	3519.99	634666	11.53	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 70MHz				Channel bandwidth: 80MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3485.01	632334	11.74	13	3490.02	632668	11.44	13
3500.01	633334	11.84	13	3500.01	633334	11.01	13
3514.98	634332	12.59	13	3510.00	634000	11.36	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 90MHz				Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3495.00	633000	11.57	13				
3500.01	633334	11.83	13	3500.01	633334	10.72	13
3504.99	633666	11.54	13				

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 10MHz				Channel bandwidth: 15MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3705.00	647000	9.79	13	3707.52	647168	9.23	13
3840.00	656000	9.67	13	3840.00	656000	9.21	13
3975.00	665000	12.34	13	3972.48	664832	10.81	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz				Channel bandwidth: 25MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3710.01	647334	9.53	13	3712.50	647500	10.45	13
3840.00	656000	9.27	13	3840.00	656000	10.09	13
3969.99	664666	10.05	13	3967.50	664500	10.38	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3715.02	647668	10.20	13	3720.00	648000	10.49	13
3840.00	656000	10.94	13	3840.00	656000	11.00	13
3964.98	664332	9.98	13	3960.00	664000	10.28	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 50MHz				Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3725.01	648334	11.20	13	3730.02	648668	11.92	13
3840.00	656000	10.56	13	3840.00	656000	10.85	13
3954.99	663666	10.48	13	3949.98	663332	10.86	13

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5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 70MHz				Channel bandwidth: 80MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3735.00	649000	11.13	13	3740.01	649334	11.27	13
3840.00	656000	11.69	13	3840.00	656000	12.28	13
3945.00	663000	11.62	13	3939.99	662666	11.31	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 90MHz				Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3745.02	649668	11.91	13	3750.00	650000	11.11	13
3840.00	656000	11.68	13	3840.00	656000	11.45	13
3934.98	662332	12.19	13	3930.00	662000	12.11	13

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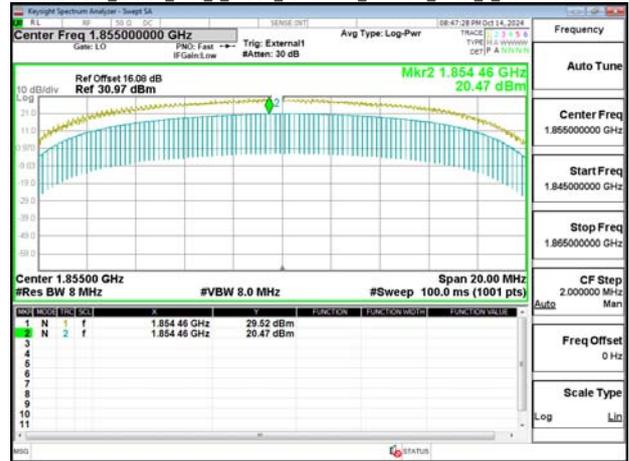
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Band2\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH370500



Band2\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH371000



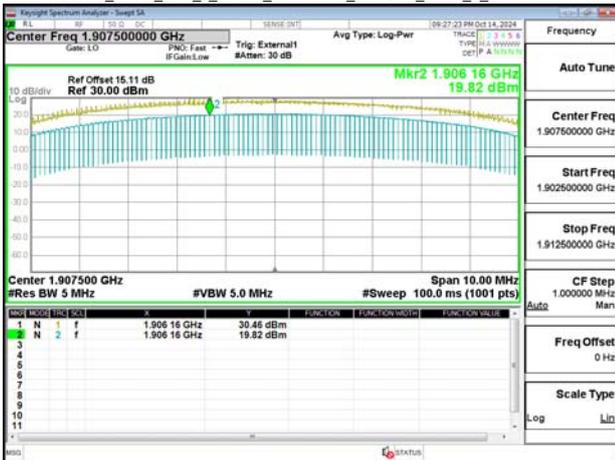
Band2\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH376000



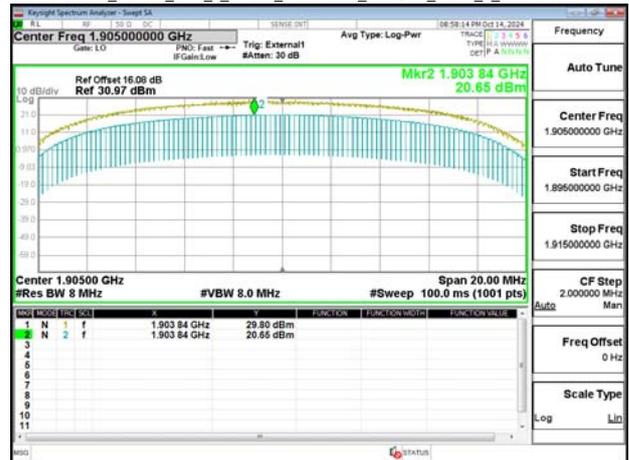
Band2\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH376000



Band2\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH381500



Band2\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH381000



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Band2\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH371500



Band2\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH372000



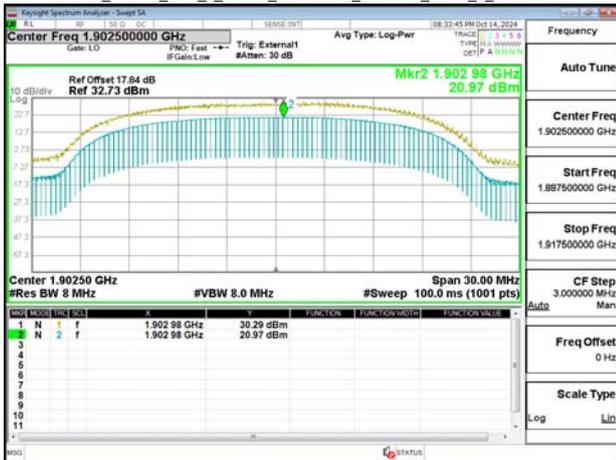
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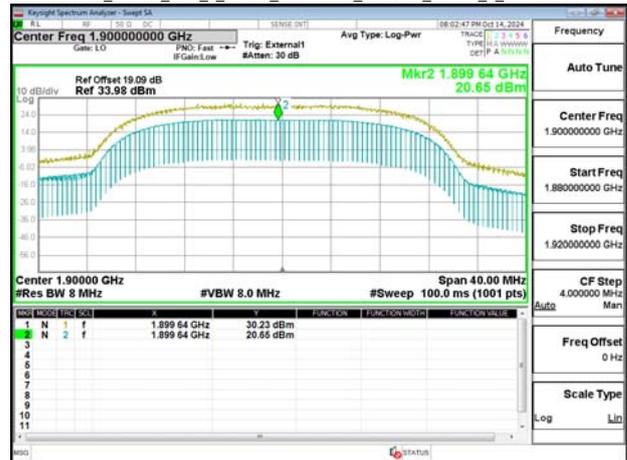
Band2\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH376000



Band2\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH380500



Band2\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH380000

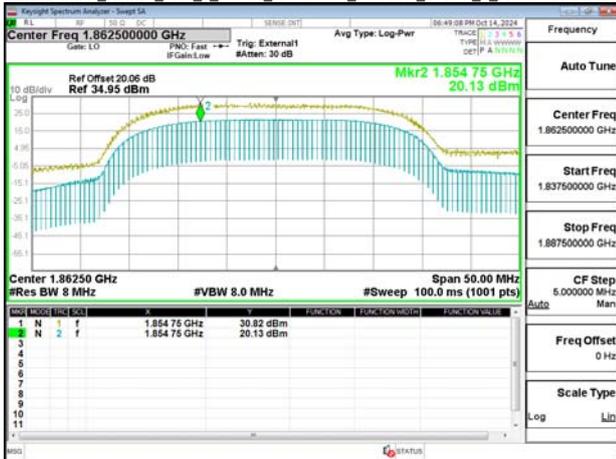


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Band2\_25MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB128\_0\_CH372500



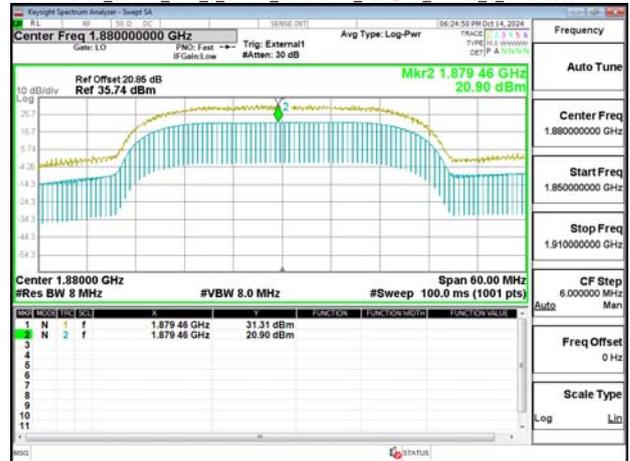
Band2\_30MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB160\_0\_CH373000



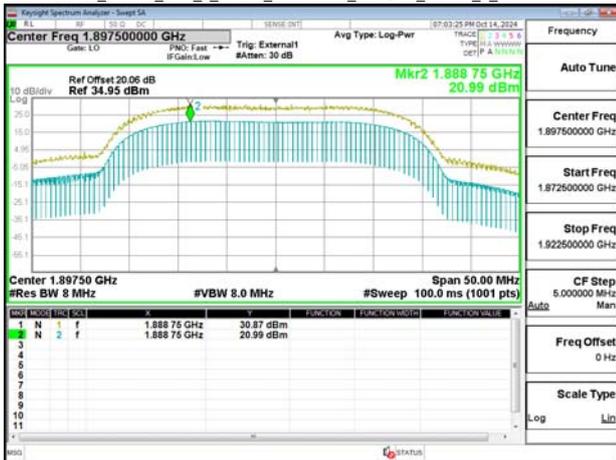
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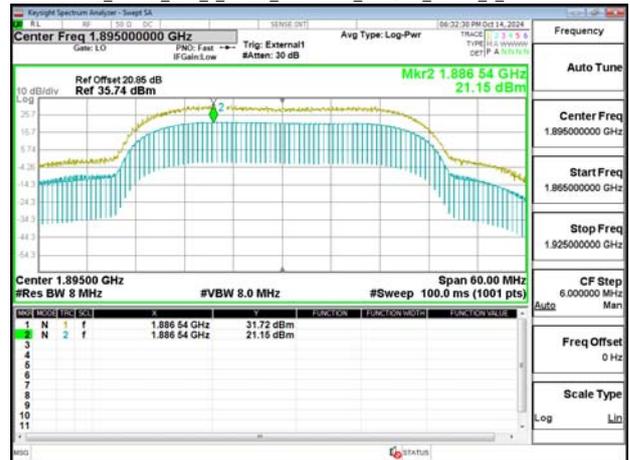
Band2\_30MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB160\_0\_CH376000



Band2\_25MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB128\_0\_CH379500



Band2\_30MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB160\_0\_CH379000



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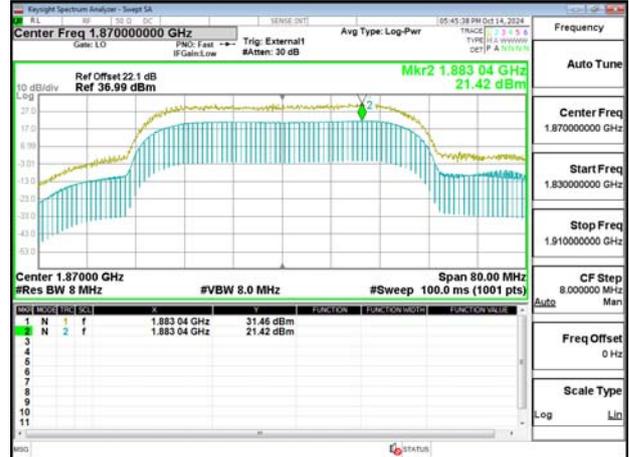
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Band2\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH373500



Band2\_40MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB216\_0\_CH374000



Band2\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH376000



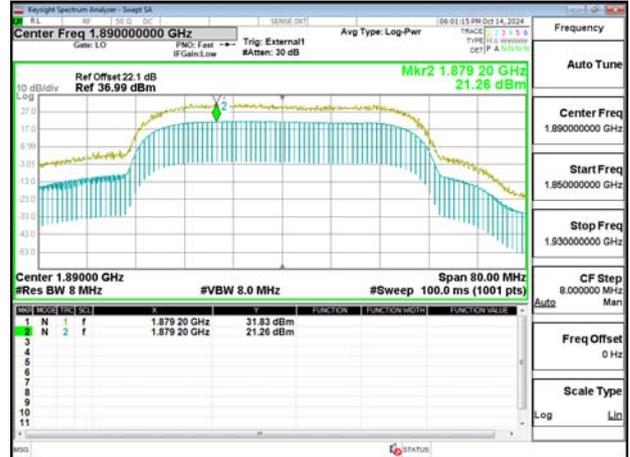
Band2\_40MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB216\_0\_CH376000



Band2\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH378500



Band2\_40MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB216\_0\_CH378000

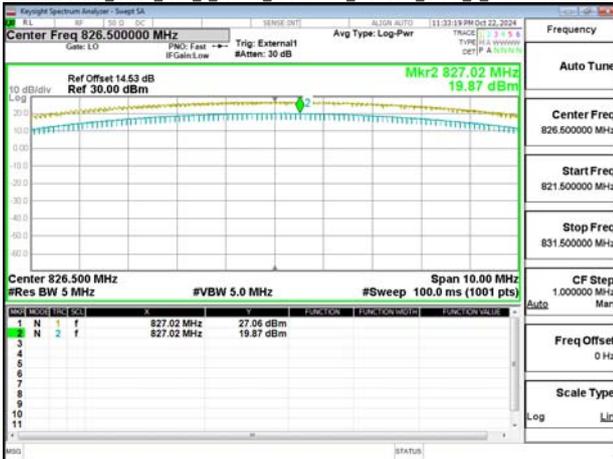


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Band5\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH165300



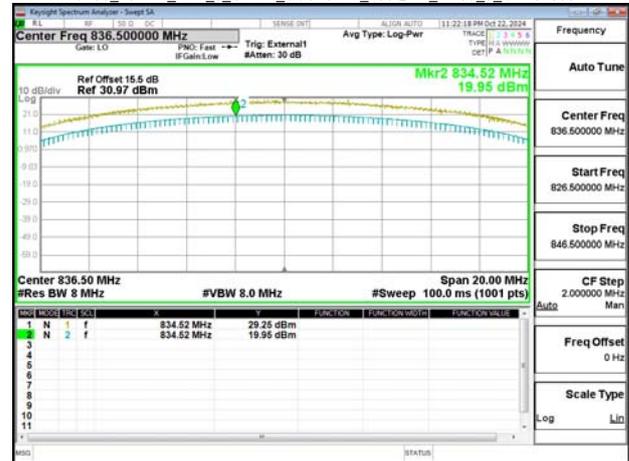
Band5\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH165800



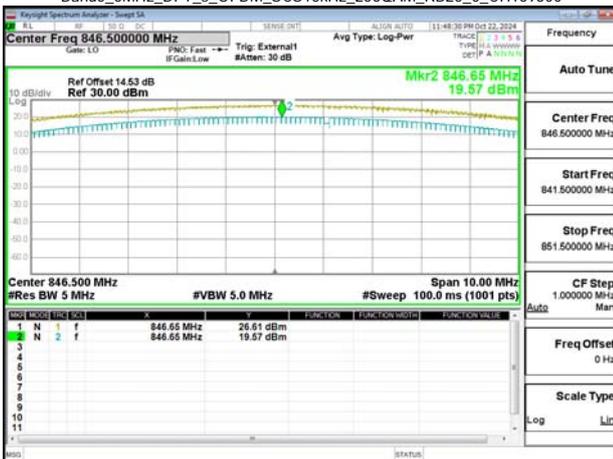
Band5\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH167300



Band5\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH167300



Band5\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH169300



Band5\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH168800



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Band5\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH167300



Band5\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH166800



Band5\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH167300



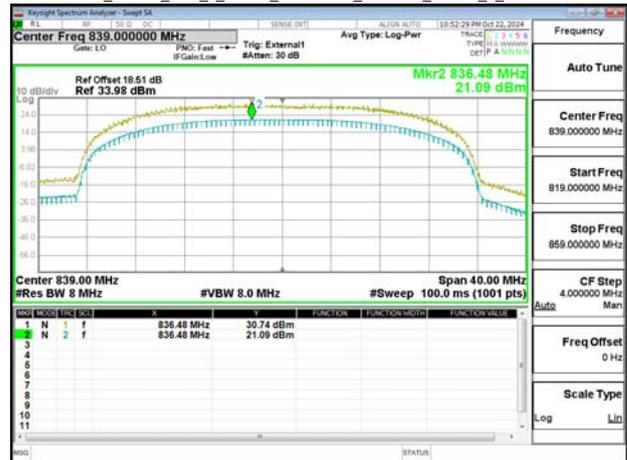
Band5\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH167300



Band5\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH168300



Band5\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH167800



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Band7\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH500500



Band7\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH501000



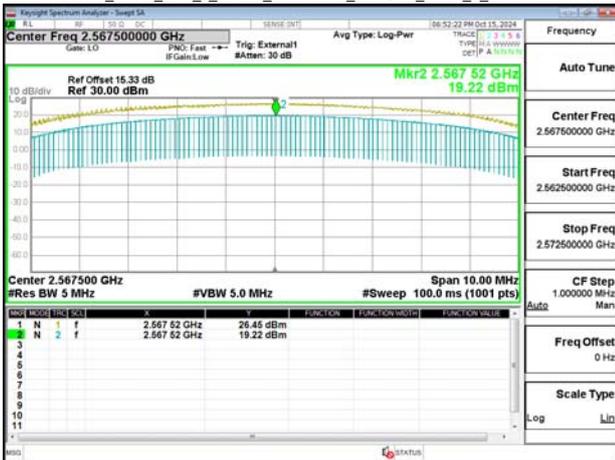
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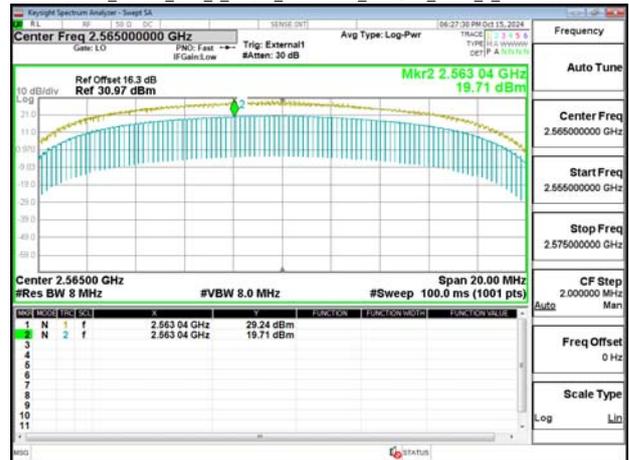
Band7\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH507000



Band7\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH513500



Band7\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH513000



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Band7\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH501500



Band7\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH502000



Band7\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH507000



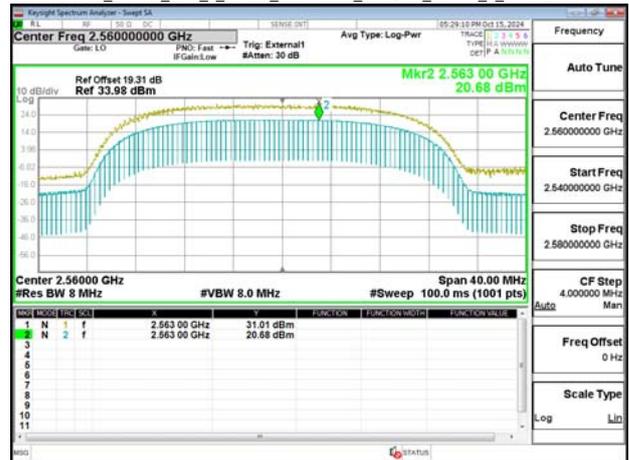
Band7\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH507000



Band7\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH512500



Band7\_20MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB100\_0\_CH512000

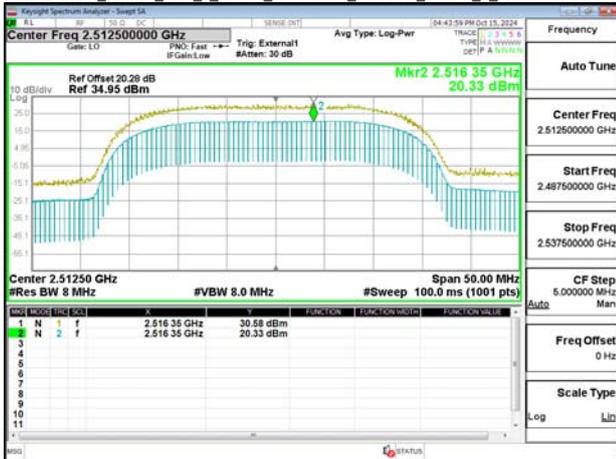


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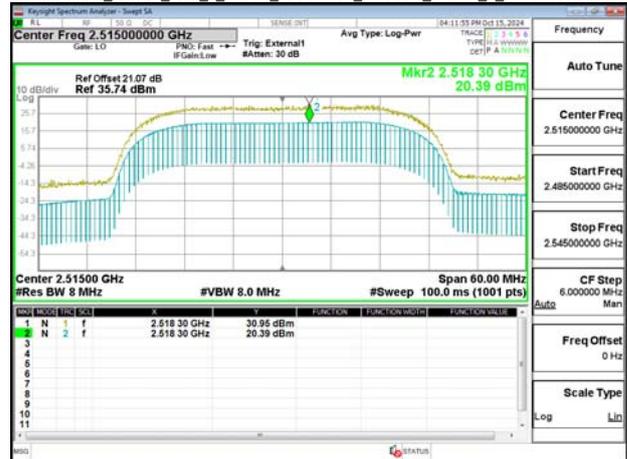
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Band7\_25MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB128\_0\_CH502500



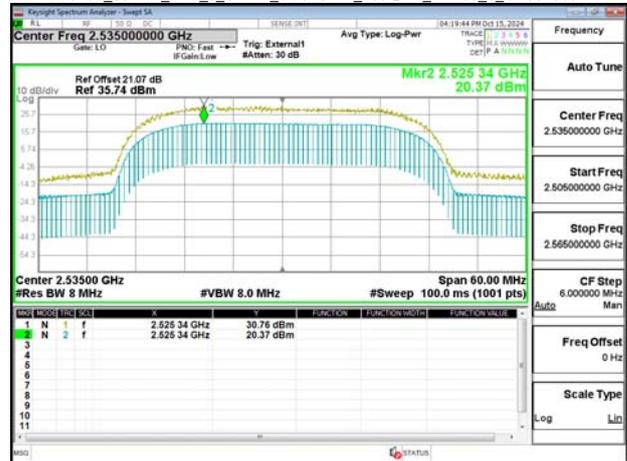
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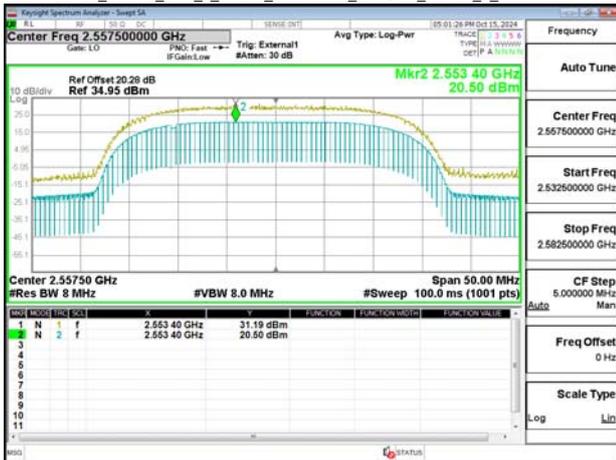
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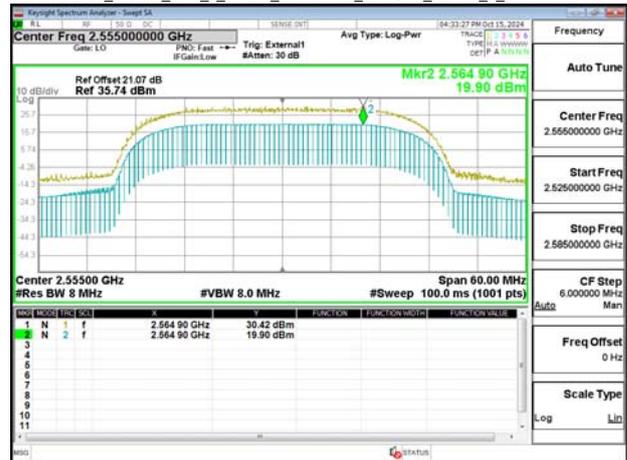
Band7\_30MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB160\_0\_CH507000



Band7\_25MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB128\_0\_CH511500



Band7\_30MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB160\_0\_CH511000



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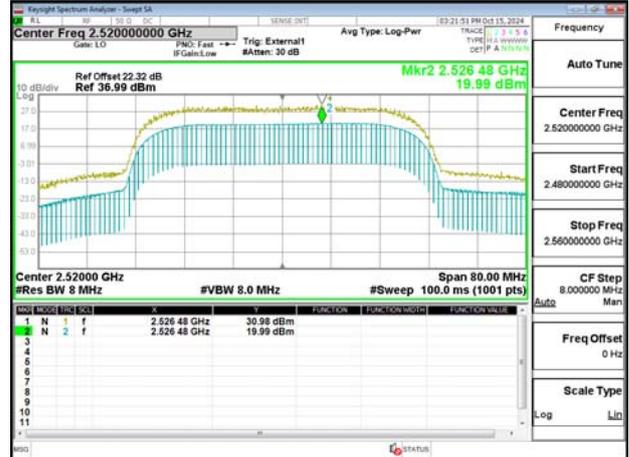
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Band7\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH503500



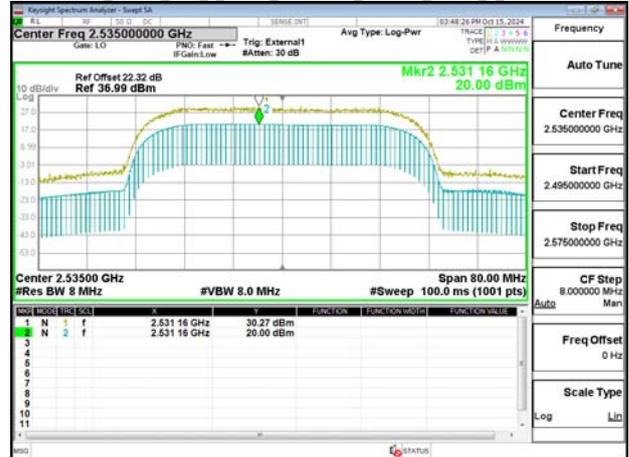
Band7\_40MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB216\_0\_CH504000



Band7\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH507000



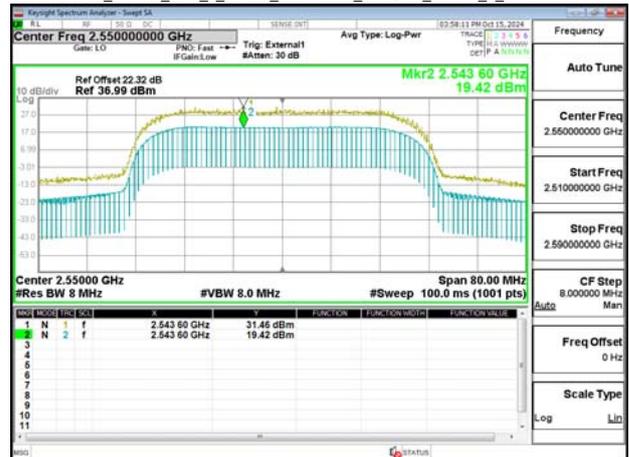
Band7\_40MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB216\_0\_CH507000



Band7\_35MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB180\_0\_CH510500



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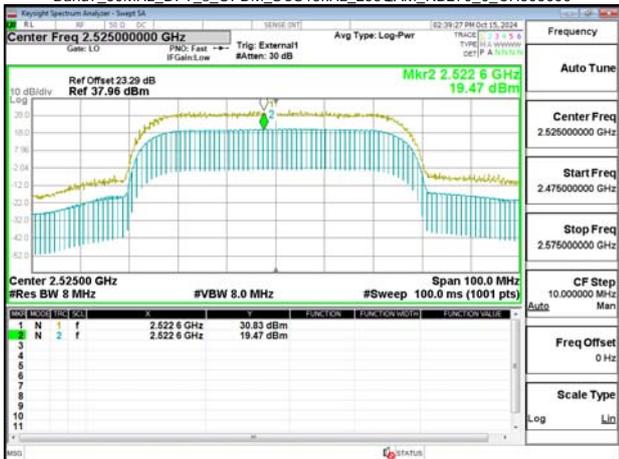


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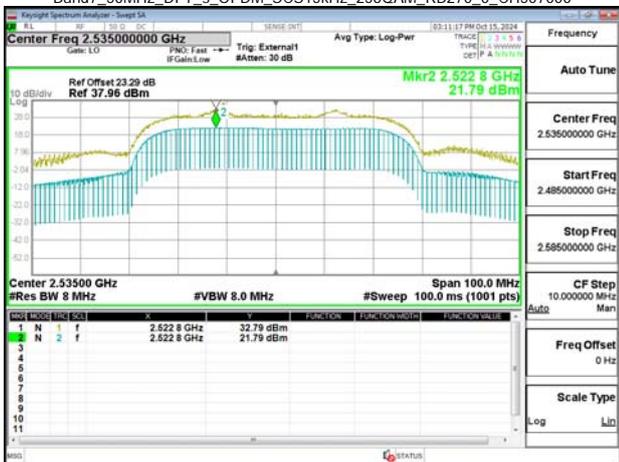
Band7\_50MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB270\_0\_CH505000



Band12\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH140300



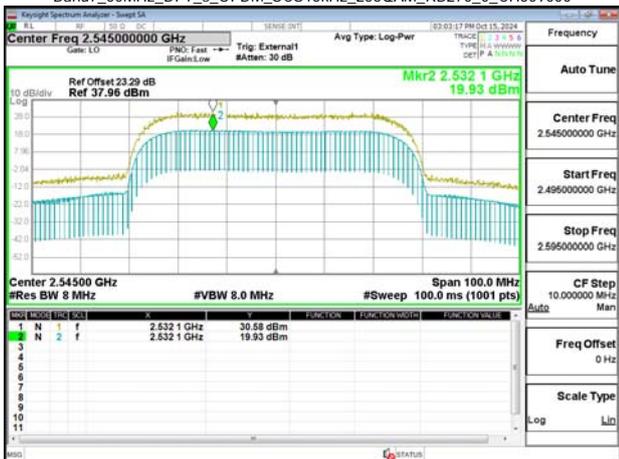
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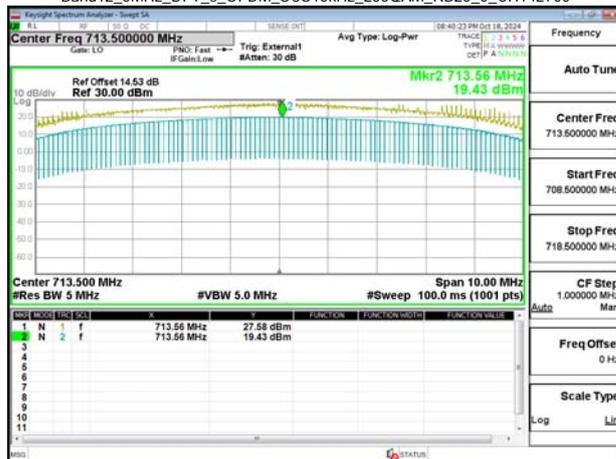
Band12\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH141500



Band7\_50MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB270\_0\_CH509000



Band12\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH142700



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Band12\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH140800



Band12\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH141300



Band12\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH141500



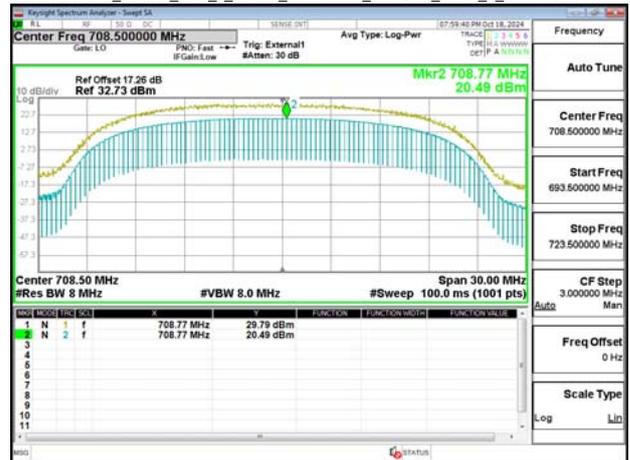
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Band12\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH142200



Band12\_15MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB75\_0\_CH141700



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Band25\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH376500



Band25\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH371000



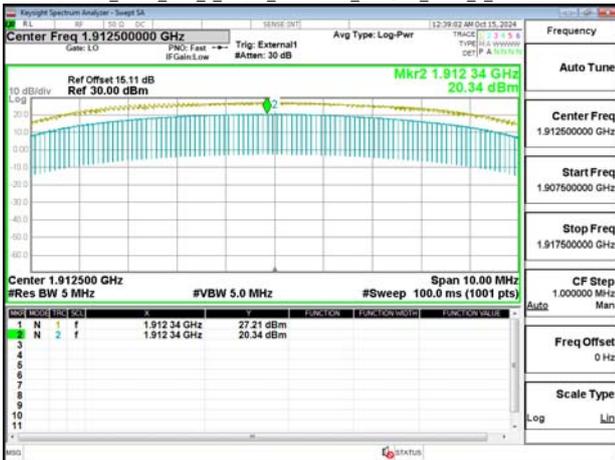
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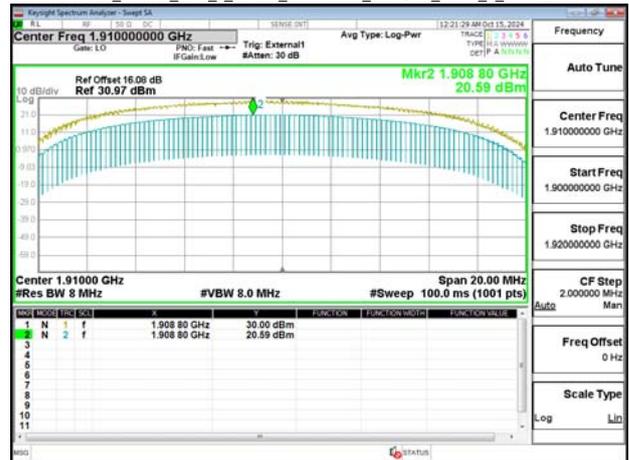
Band25\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH376500



Band25\_5MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB25\_0\_CH382500



Band25\_10MHz\_DFT\_s\_OFDM\_SCS15kHz\_256QAM\_RB50\_0\_CH382000



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