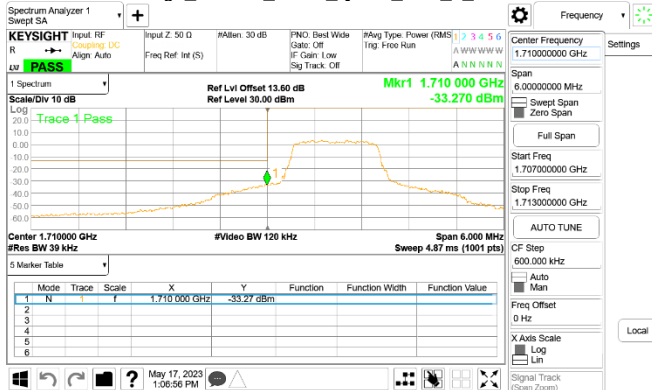


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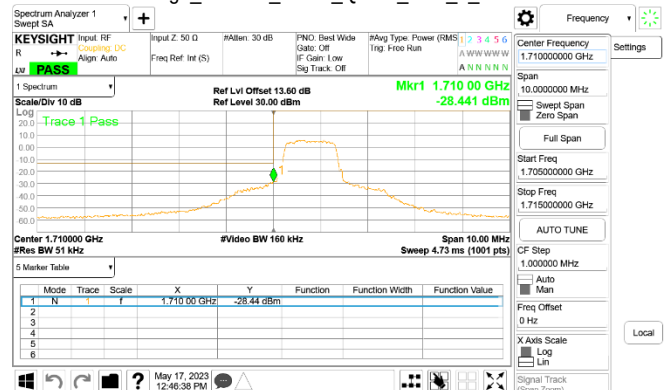
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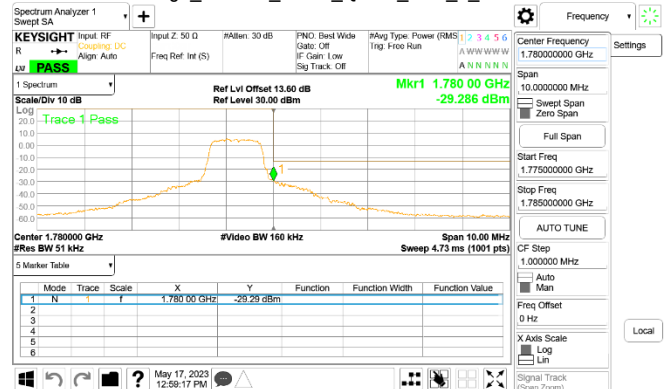
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Band Edge_Band66_5MHz_QPSK_RB1_0_CH131997



Band Edge_Band66_5MHz_QPSK_RB6_0_CH132647



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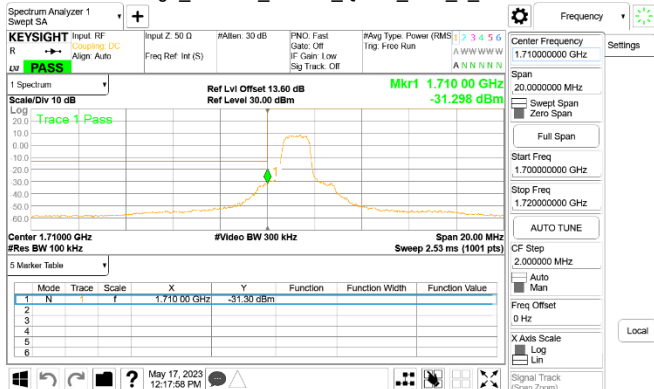
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Band Edge_Band66_15MHz_QPSK_RB1_0_CH132047



Band Edge_Band66_10MHz_QPSK_RB6_0_CH132022



Band Edge_Band66_15MHz_QPSK_RB1_5_CH132597



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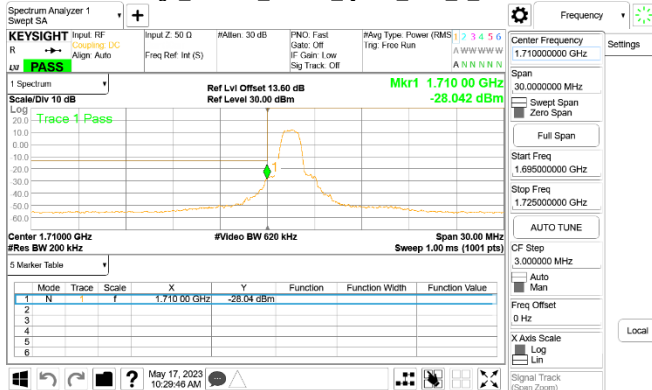
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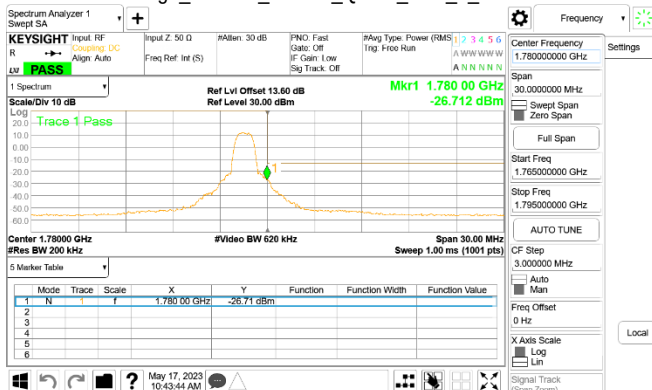
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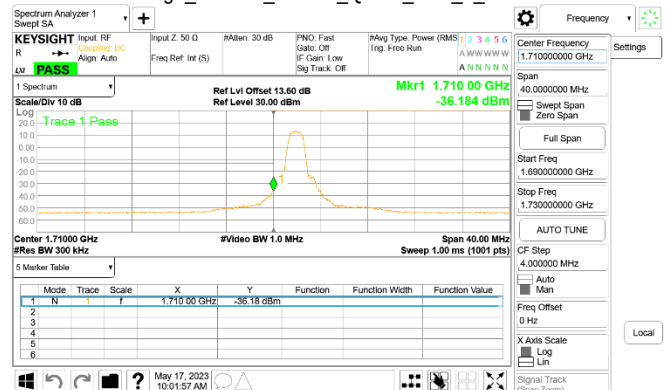
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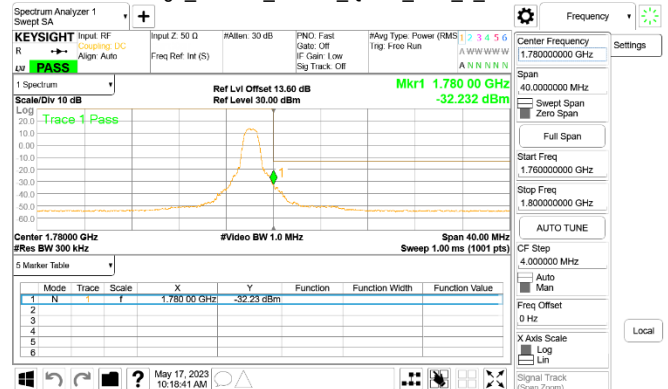
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Band Edge_Band66_20MHz_QPSK_RB1_0_CH132072



Band Edge_Band66_20MHz_QPSK_RB6_0_CH132572



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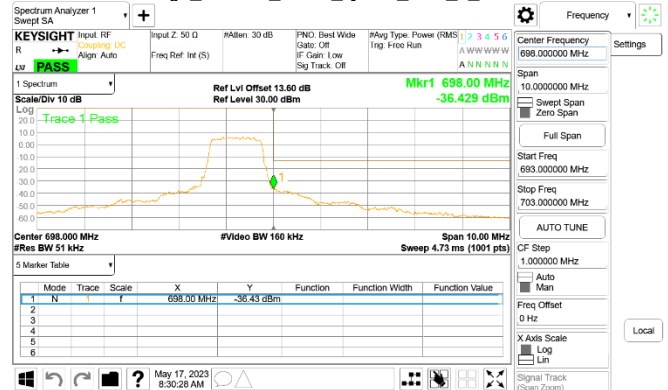
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Band Edge_Band71_5MHz_QPSK_RB1_0_CH133147



Band Edge_Band71_5MHz_QPSK_RB6_0_CH133447



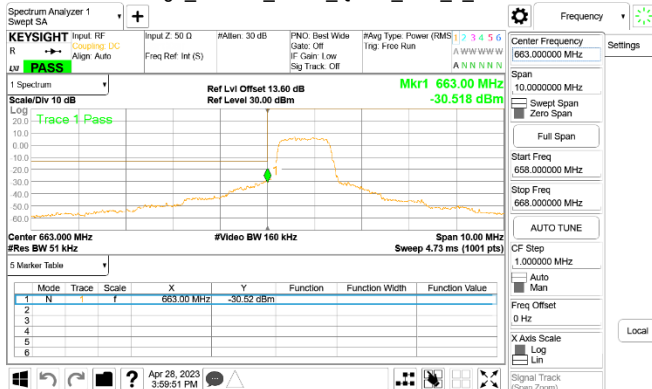
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Band Edge_Band71_10MHz_QPSK_RB1_0_CH133172



Band Edge_Band71_5MHz_QPSK_RB6_0_CH133147



Band Edge_Band71_10MHz_QPSK_RB1_5_CH133422



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Band Edge_Band71_10MHz_QPSK_RB6_0_CH133172



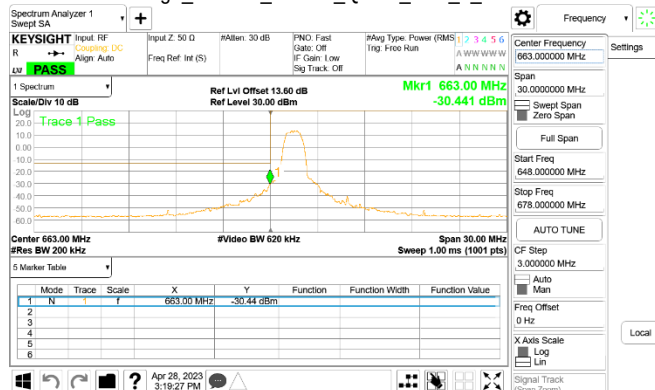
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Band Edge_Band71_10MHz_QPSK_RB6_0_CH133422



Band Edge_Band71_15MHz_QPSK_RB6_0_CH133197



Band Edge_Band71_15MHz_QPSK_RB1_0_CH133197



Band Edge_Band71_15MHz_QPSK_RB6_0_CH133397



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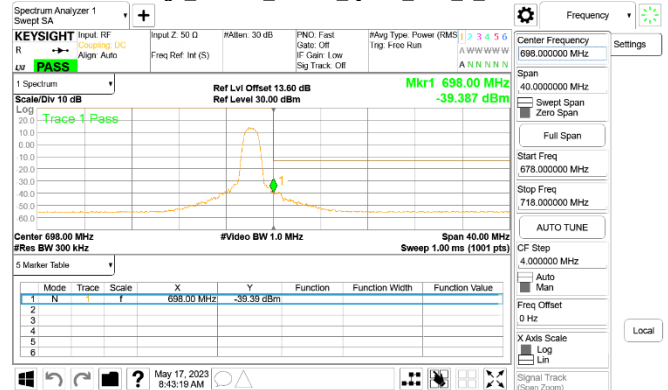
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Band Edge_Band71_20MHz_QPSK_RB1_0_CH133222



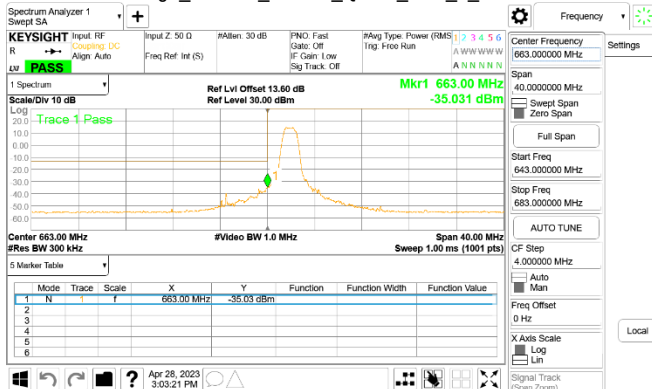
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Band Edge_Band71_20MHz_QPSK_RB1_5_CH133372



Band Edge_Band71_20MHz_QPSK_RB6_0_CH133222



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9.5 Spurious Emission Measurement Result:

Refer to next pages.

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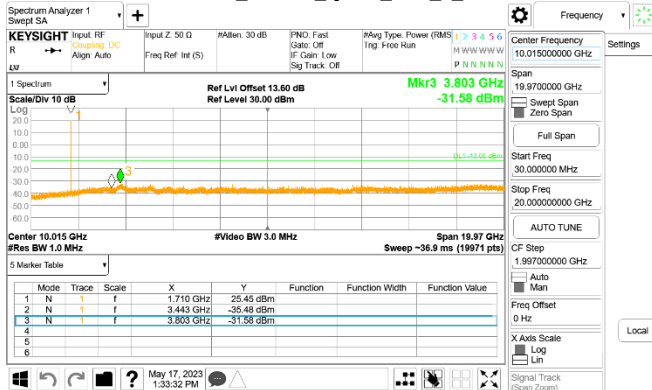
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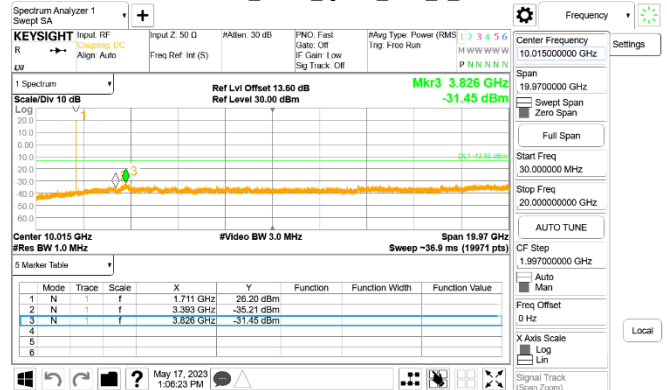
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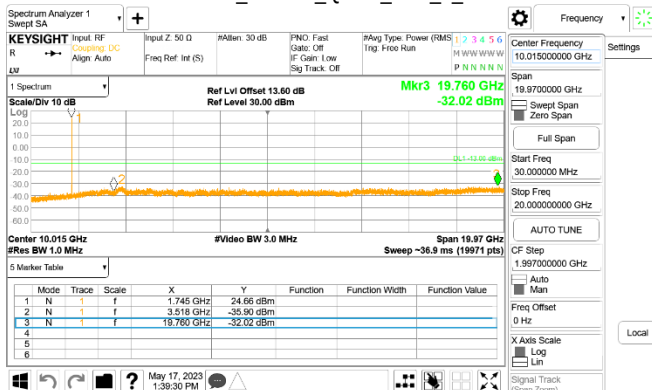
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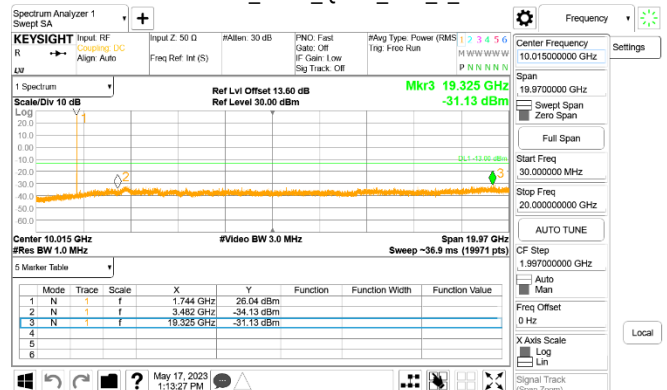
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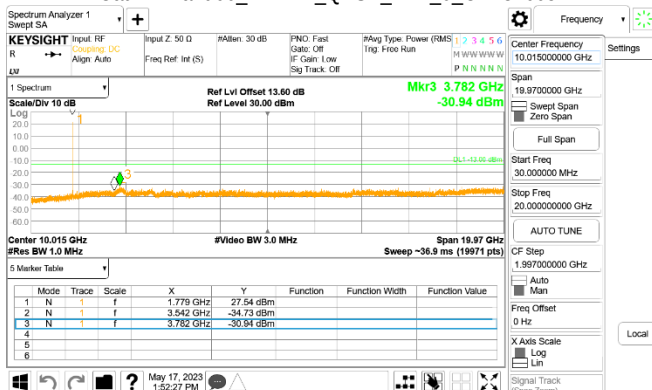
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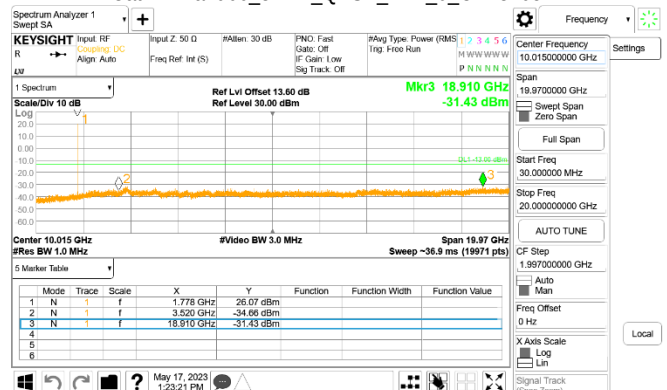
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Cat-M1 Band66_1.4MHz_QPSK_RB1_0_CH132665



Cat-M1 Band66_3MHz_QPSK_RB1_0_CH132657



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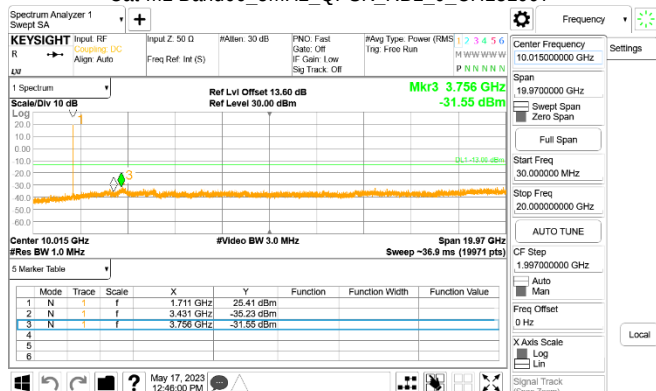
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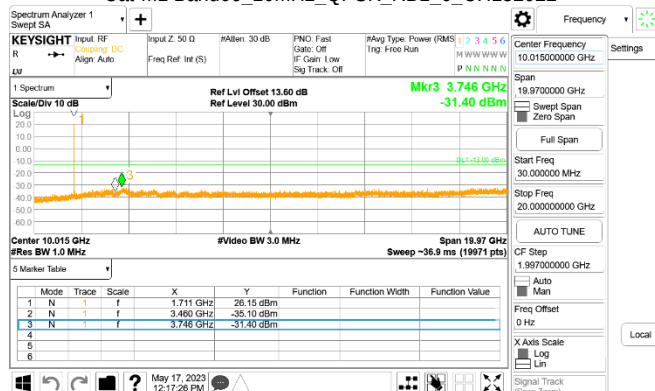
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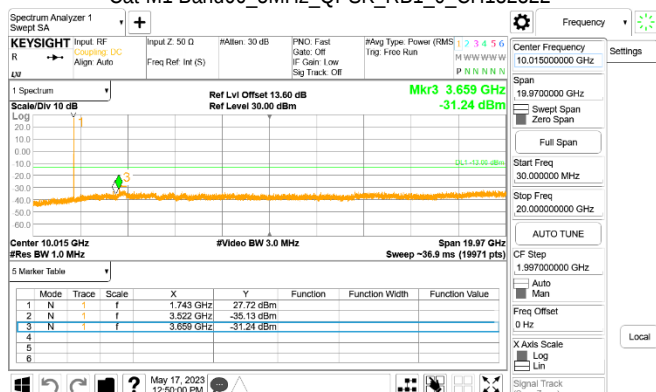
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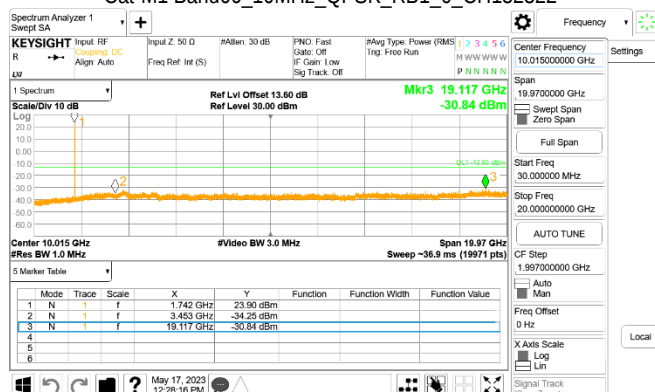
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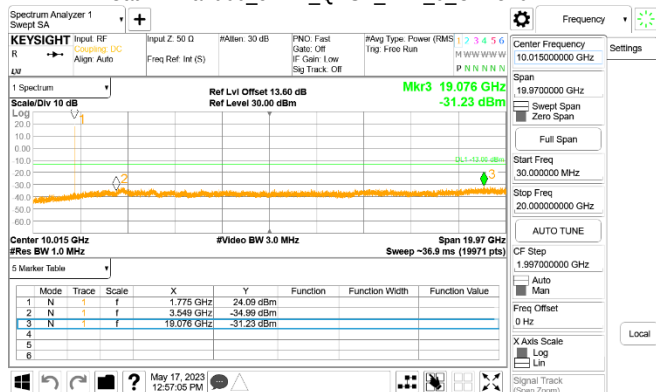
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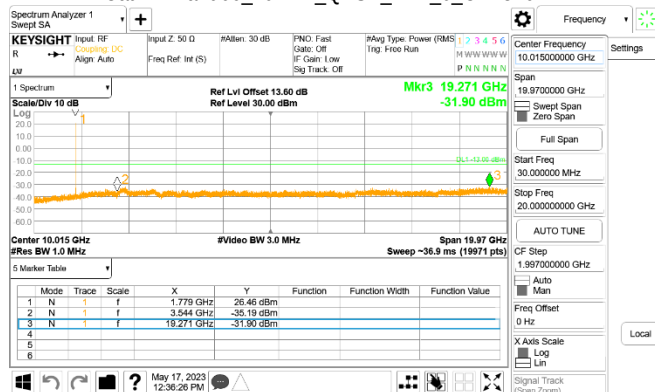
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Cat-M1 Band66_5MHz_QPSK_RB1_0_CH132647



Cat-M1 Band66_10MHz_QPSK_RB1_0_CH132622



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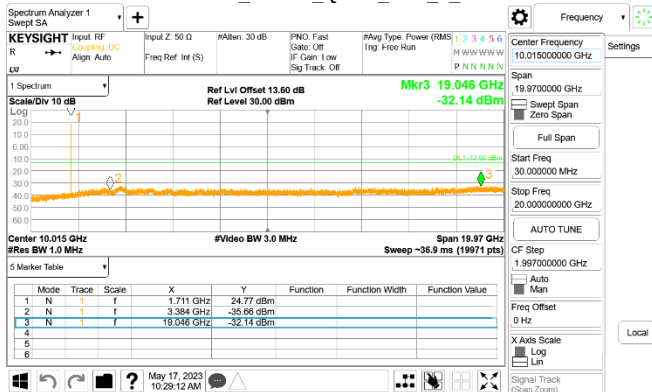
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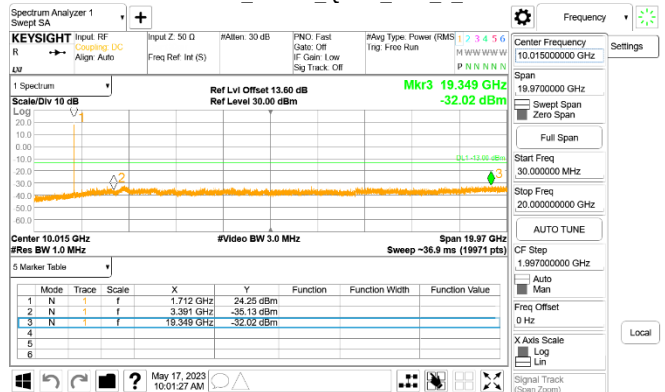
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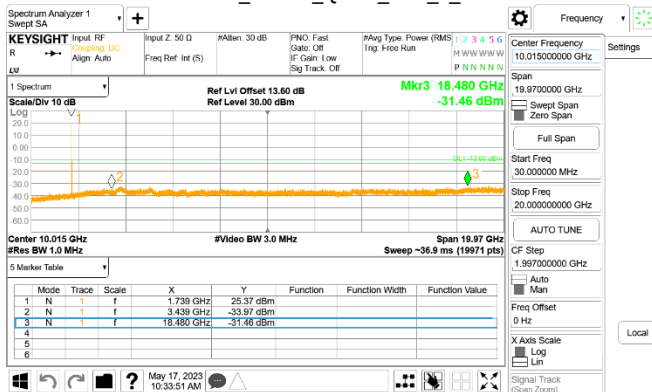
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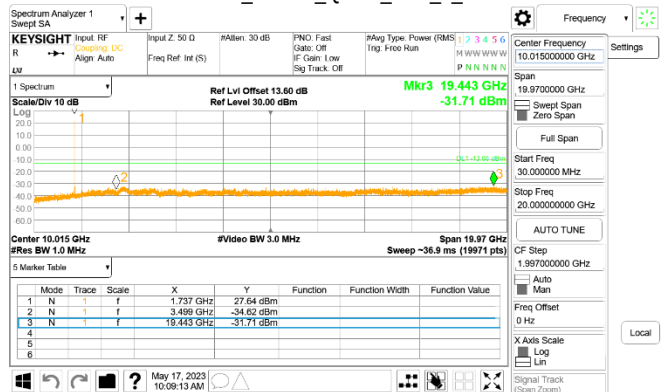
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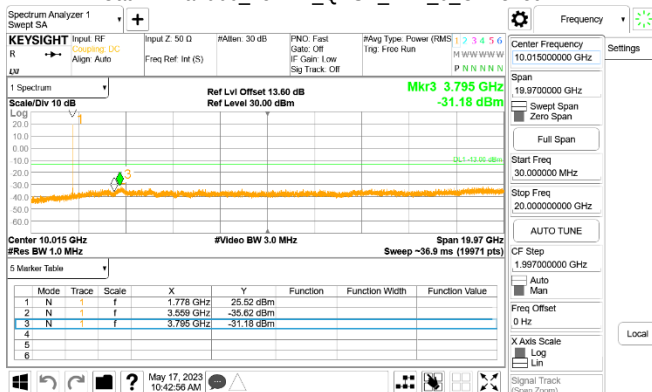
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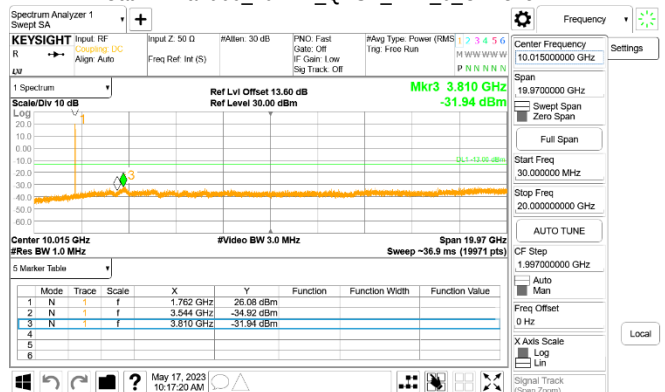
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Cat-M1 Band66_15MHz_QPSK_RB1_0_CH132597



Cat-M1 Band66_20MHz_QPSK_RB1_0_CH132572



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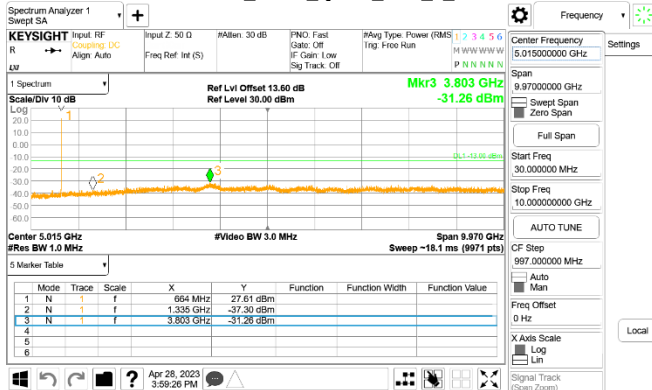
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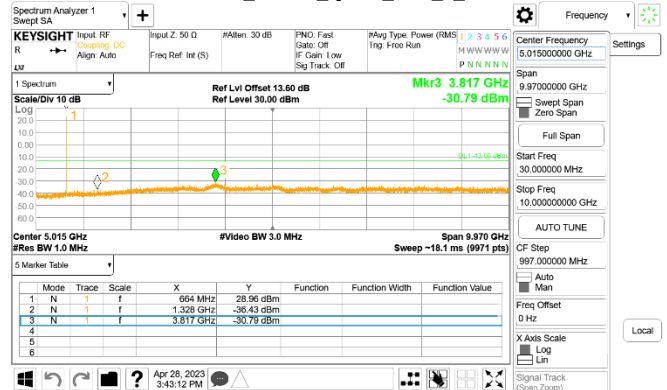
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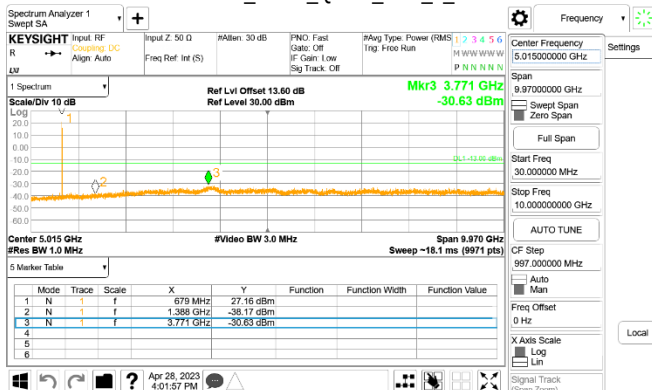
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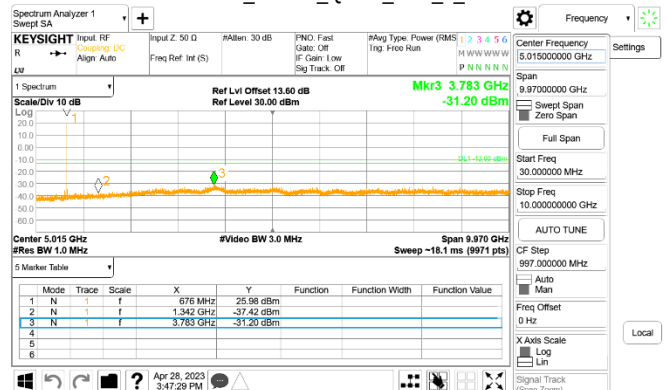
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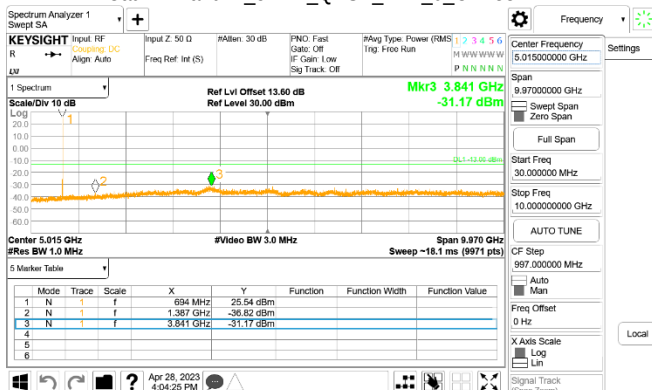
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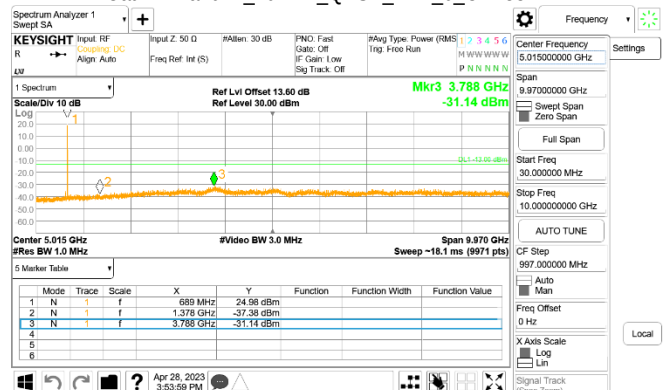
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Cat-M1 Band71_5MHz_QPSK_RB1_0_CH133447



Cat-M1 Band71_10MHz_QPSK_RB1_0_CH133442

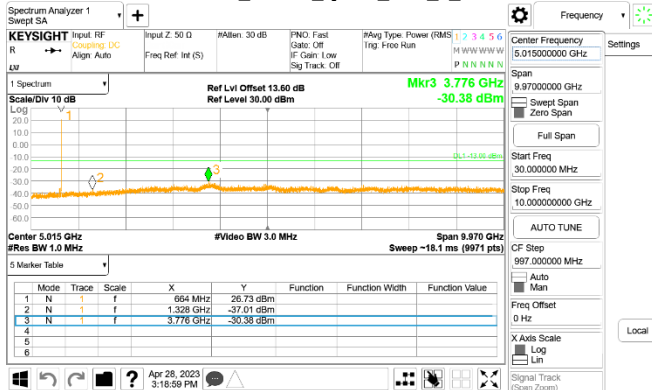


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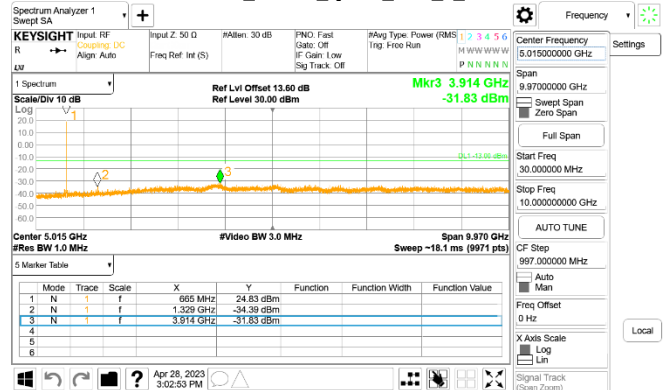
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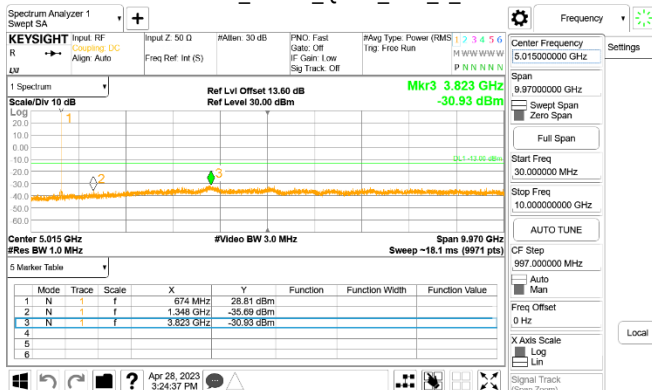
Cat-M1 Band71_15MHz_QPSK_RB1_0_CH133197



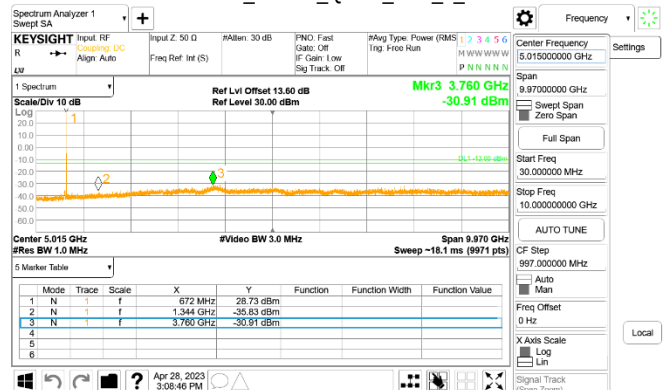
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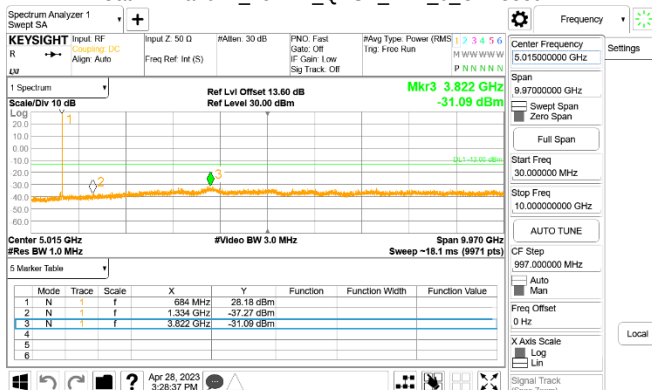
Cat-M1 Band71_15MHz_QPSK_RB1_0_CH133297



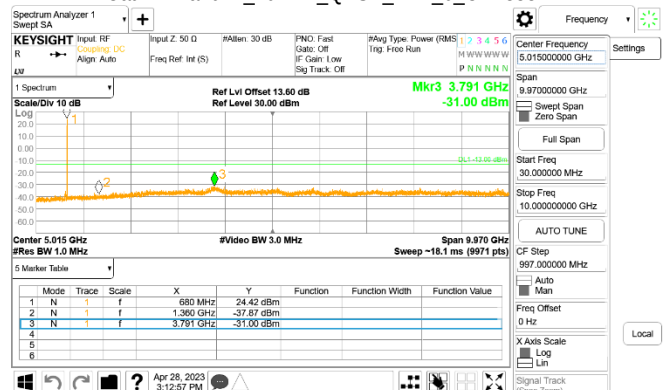
Cat-M1 Band71_20MHz_QPSK_RB1_0_CH133327



Cat-M1 Band71_15MHz_QPSK_RB1_0_CH133397



Cat-M1 Band71_20MHz_QPSK_RB1_0_CH133372



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10 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1 Standard Applicable

According to FCC §2.1053, **FCC §27.53(h)**

Out of band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

FCC §27.53(g)

Compliance for operations in the 600 MHz, 698-746 MHz, 746-758 MHz and the 776-788 MHz band with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

FCC §27.53(h)(1)

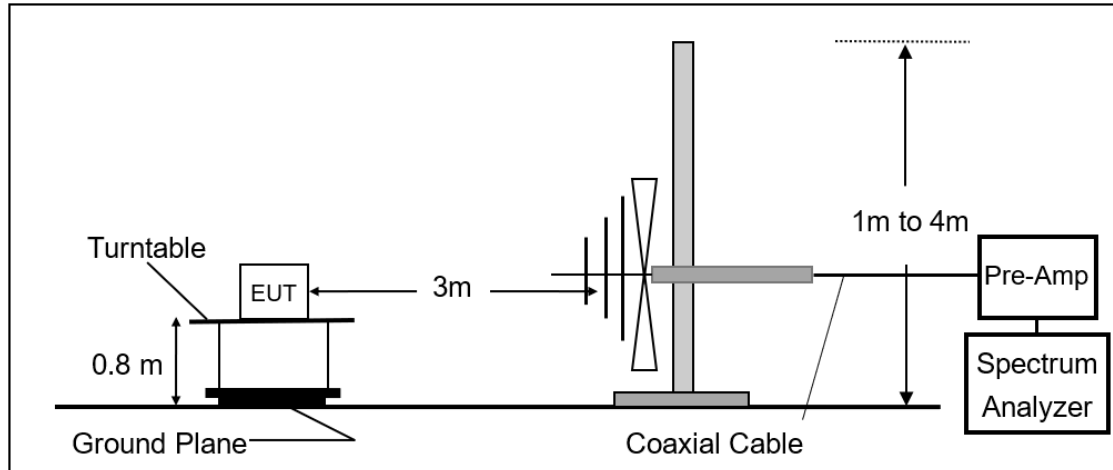
(h) *AWS emission limits*—(1) *General protection levels*. Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

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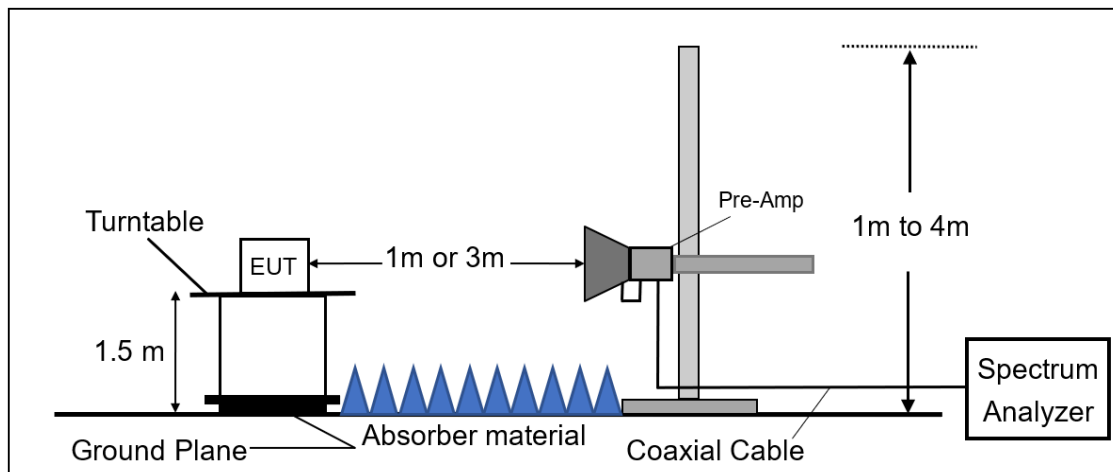
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10.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



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10.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

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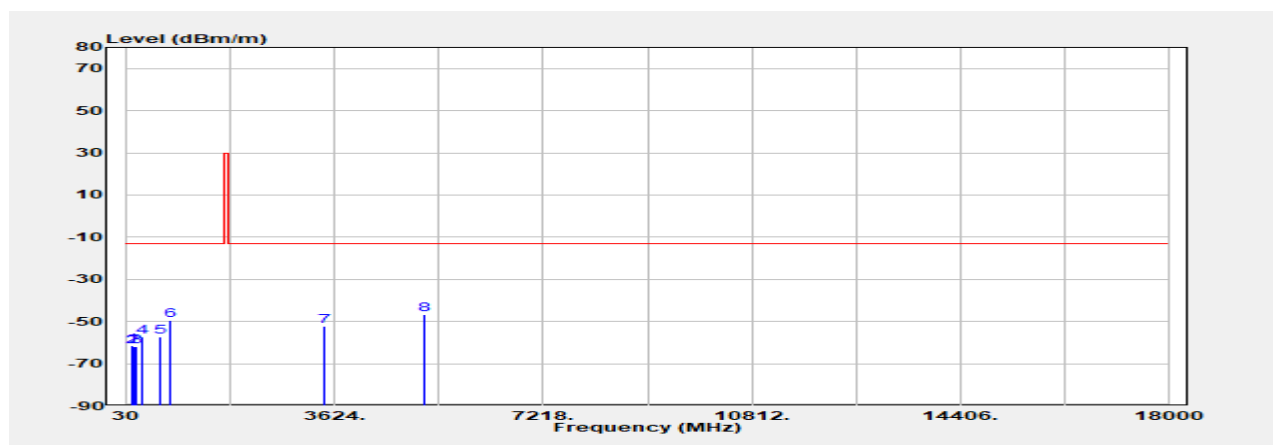
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10.4 Measurement Result:

Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1717.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



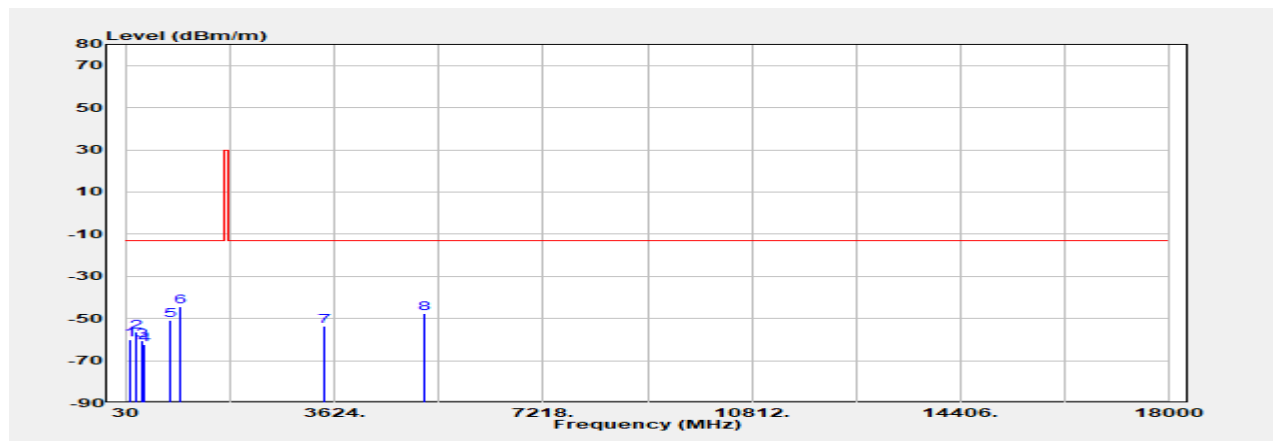
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
113.420	-61.24	-59.38	-1.25	-0.61	-13.00	-48.24
137.670	-61.84	-59.45	-1.63	-0.76	-13.00	-48.84
188.110	-61.98	-63.86	2.67	-0.79	-13.00	-48.98
285.110	-57.33	-60.16	3.86	-1.03	-13.00	-44.33
597.450	-57.44	-59.85	3.94	-1.53	-13.00	-44.44
770.110	-49.23	-51.09	3.59	-1.73	-13.00	-36.23
3435.000	-52.35	-56.97	12.43	-7.81	-13.00	-39.35
5152.500	-46.82	-50.50	12.21	-8.53	-13.00	-33.82

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Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1717.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
72.680	-60.09	-53.98	-5.60	-0.51	-13.00	-47.09
179.380	-56.21	-56.78	1.34	-0.77	-13.00	-43.21
283.170	-60.74	-63.56	3.84	-1.02	-13.00	-47.74
313.240	-62.58	-65.58	4.05	-1.05	-13.00	-49.58
770.110	-51.01	-52.87	3.59	-1.73	-13.00	-38.01
964.110	-44.38	-46.72	4.04	-1.70	-13.00	-31.38
3435.000	-53.38	-58.00	12.43	-7.81	-13.00	-40.38
5152.500	-47.80	-51.48	12.21	-8.53	-13.00	-34.80

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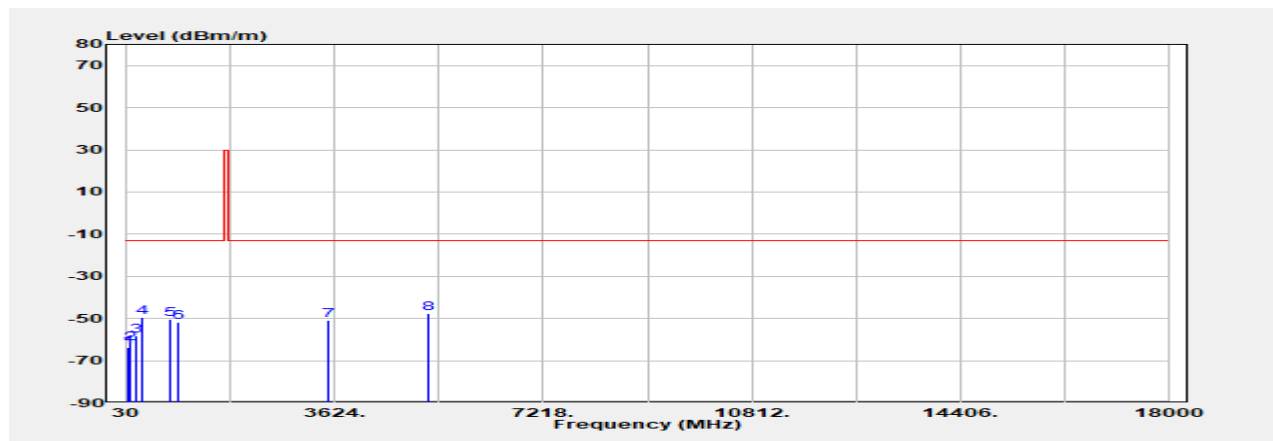
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Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1745 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



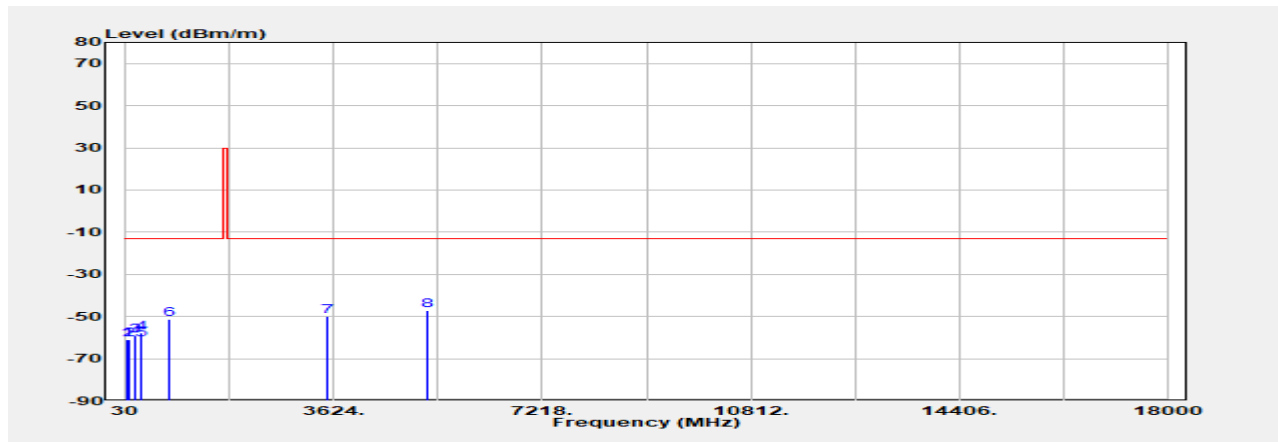
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.760	-63.91	-50.77	-12.78	-0.36	-13.00	-50.91
92.080	-61.68	-60.63	-0.48	-0.57	-13.00	-48.68
186.170	-58.22	-59.81	2.36	-0.77	-13.00	-45.22
304.510	-49.58	-52.57	4.04	-1.05	-13.00	-36.58
770.110	-50.54	-52.40	3.59	-1.73	-13.00	-37.54
903.000	-51.63	-53.78	3.97	-1.82	-13.00	-38.63
3490.000	-50.82	-55.16	12.32	-7.98	-13.00	-37.82
5235.000	-47.39	-51.88	12.68	-8.19	-13.00	-34.39

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Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1745 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
37.760	-61.00	-47.86	-12.78	-0.36	-13.00	-48.00
72.680	-60.76	-54.65	-5.60	-0.51	-13.00	-47.76
179.380	-58.95	-59.52	1.34	-0.77	-13.00	-45.95
277.350	-57.88	-60.71	3.83	-1.00	-13.00	-44.88
306.450	-61.06	-64.07	4.06	-1.05	-13.00	-48.06
770.110	-51.18	-53.04	3.59	-1.73	-13.00	-38.18
3490.000	-49.90	-54.24	12.32	-7.98	-13.00	-36.90
5235.000	-46.96	-51.45	12.68	-8.19	-13.00	-33.96

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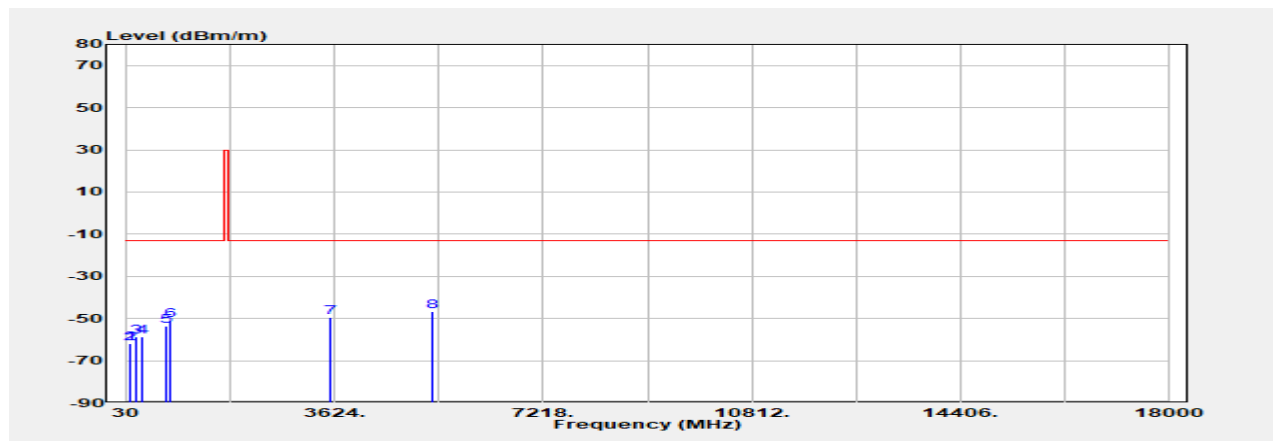
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Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1772.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
69.770	-61.69	-54.50	-6.71	-0.48	-13.00	-48.69
92.080	-61.95	-60.90	-0.48	-0.57	-13.00	-48.95
182.290	-58.62	-59.65	1.80	-0.77	-13.00	-45.62
284.140	-58.45	-61.28	3.85	-1.02	-13.00	-45.45
723.550	-53.58	-55.83	3.84	-1.59	-13.00	-40.58
770.110	-51.00	-52.86	3.59	-1.73	-13.00	-38.00
3545.000	-49.39	-53.58	12.30	-8.11	-13.00	-36.39
5317.500	-46.52	-51.64	13.14	-8.02	-13.00	-33.52

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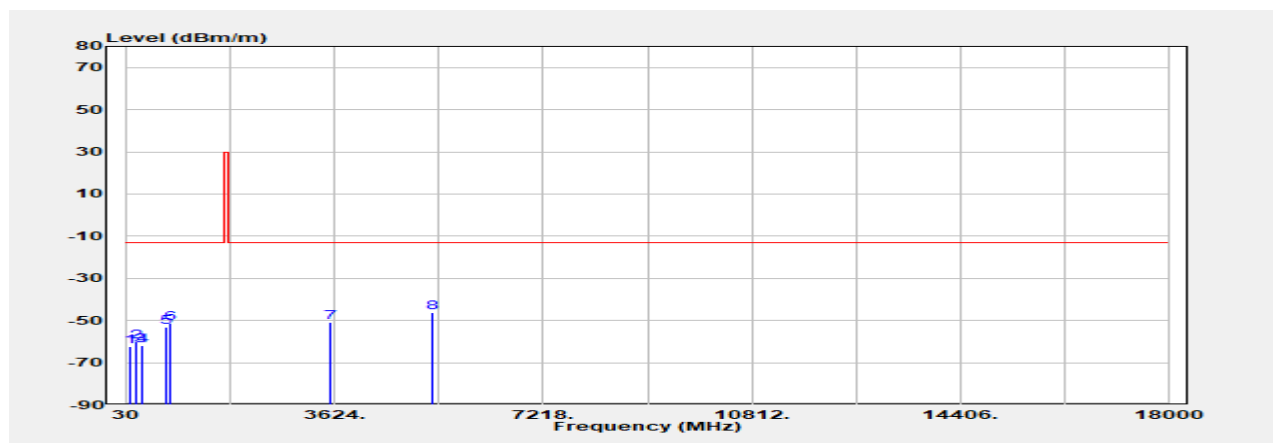
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Member of SGS Group

Report Number :TERF2304001037E2
 Operation Mode :CatM1 B66
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :1772.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
71.710	-62.37	-55.68	-6.19	-0.50	-13.00	-49.37
199.750	-60.05	-63.18	3.97	-0.84	-13.00	-47.05
275.410	-61.96	-64.80	3.84	-1.00	-13.00	-48.96
300.630	-61.99	-64.91	4.01	-1.09	-13.00	-48.99
714.820	-53.11	-55.39	3.95	-1.67	-13.00	-40.11
776.900	-51.32	-53.34	3.61	-1.59	-13.00	-38.32
3545.000	-50.61	-54.80	12.30	-8.11	-13.00	-37.61
5317.500	-46.44	-51.56	13.14	-8.02	-13.00	-33.44

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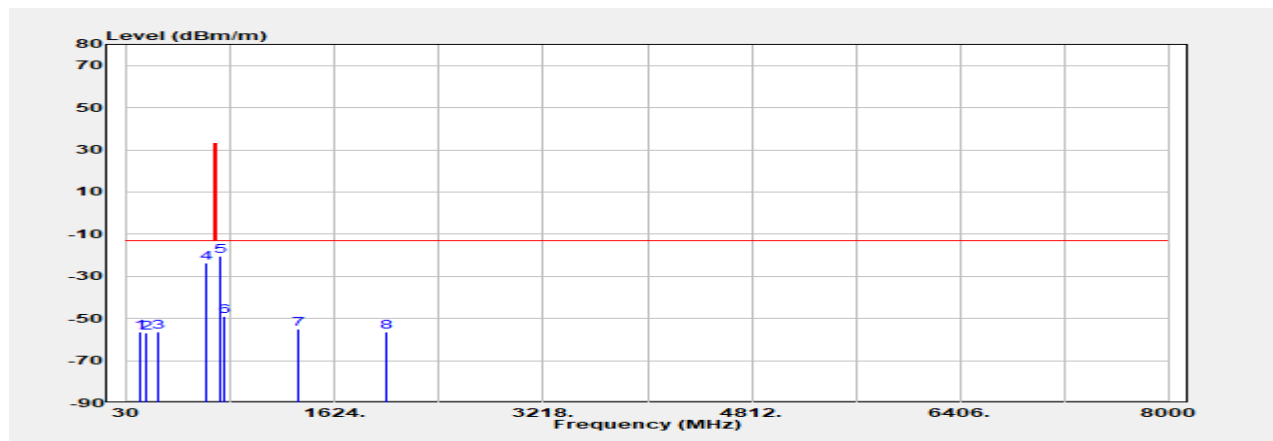
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Member of SGS Group

Report Number :TERF2304001037E2
 Operation Mode :CatM1 B71
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :673 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
137.670	-56.36	-53.97	-1.63	-0.76	-13.00	-43.36
181.320	-57.00	-57.96	1.73	-0.77	-13.00	-44.00
268.620	-56.57	-59.65	4.05	-0.97	-13.00	-43.57
644.010	-23.48	-25.60	3.78	-1.66	-13.00	-10.48
744.890	-20.29	-22.40	3.70	-1.59	-13.00	-7.29
770.110	-48.90	-50.76	3.59	-1.73	-13.00	-35.90
1346.000	-55.05	-57.97	7.01	-4.09	-13.00	-42.05
2019.000	-56.45	-61.30	10.20	-5.35	-13.00	-43.45

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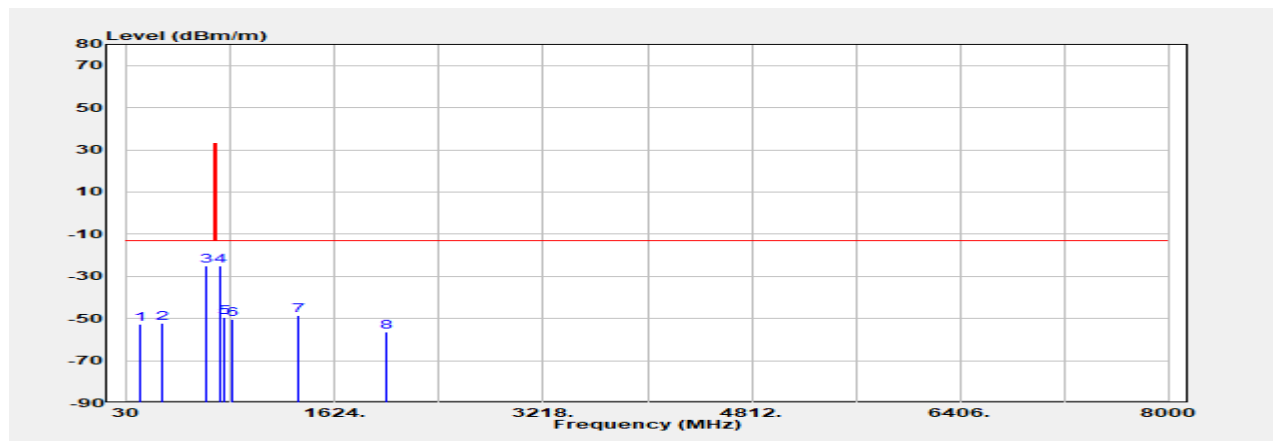
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Member of SGS Group

Report Number :TERF2304001037E2
Operation Mode :CatM1 B71
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :673 MHz

Test Site :SAC C
Test Date :2023-05-24
Temp./Humi. :25.0°C/60%
Antenna Pol. :Horizontal
Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
138.640	-52.80	-50.34	-1.73	-0.73	-13.00	-39.80
300.630	-52.11	-55.03	4.01	-1.09	-13.00	-39.11
642.070	-24.93	-27.06	3.83	-1.70	-13.00	-11.93
744.890	-24.99	-27.10	3.70	-1.59	-13.00	-11.99
770.110	-49.37	-51.23	3.59	-1.73	-13.00	-36.37
838.980	-50.47	-52.47	3.86	-1.86	-13.00	-37.47
1346.000	-48.45	-51.37	7.01	-4.09	-13.00	-35.45
2019.000	-56.43	-61.28	10.20	-5.35	-13.00	-43.43

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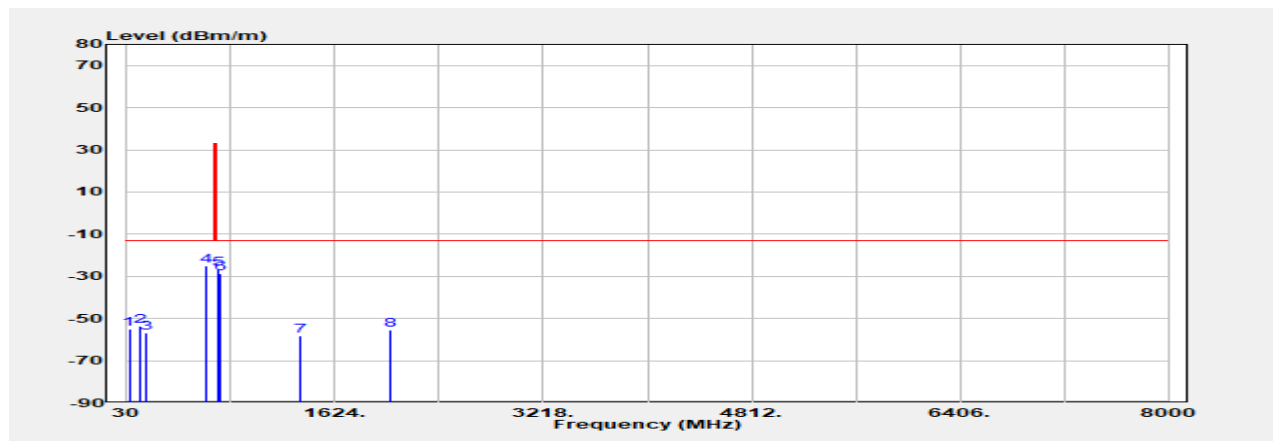
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Member of SGS Group

Report Number :TERF2304001037E2
 Operation Mode :CatM1 B71
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :680.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Vertical
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
47.460	-55.17	-42.74	-12.05	-0.38	-13.00	-42.17
128.940	-53.54	-51.45	-1.43	-0.66	-13.00	-40.54
181.320	-56.90	-57.86	1.73	-0.77	-13.00	-43.90
641.100	-24.91	-27.04	3.85	-1.72	-13.00	-11.91
729.370	-26.51	-28.73	3.73	-1.51	-13.00	-13.51
747.800	-28.93	-31.02	3.68	-1.59	-13.00	-15.93
1361.000	-58.23	-61.24	7.13	-4.12	-13.00	-45.23
2041.500	-55.61	-60.60	10.20	-5.21	-13.00	-42.61

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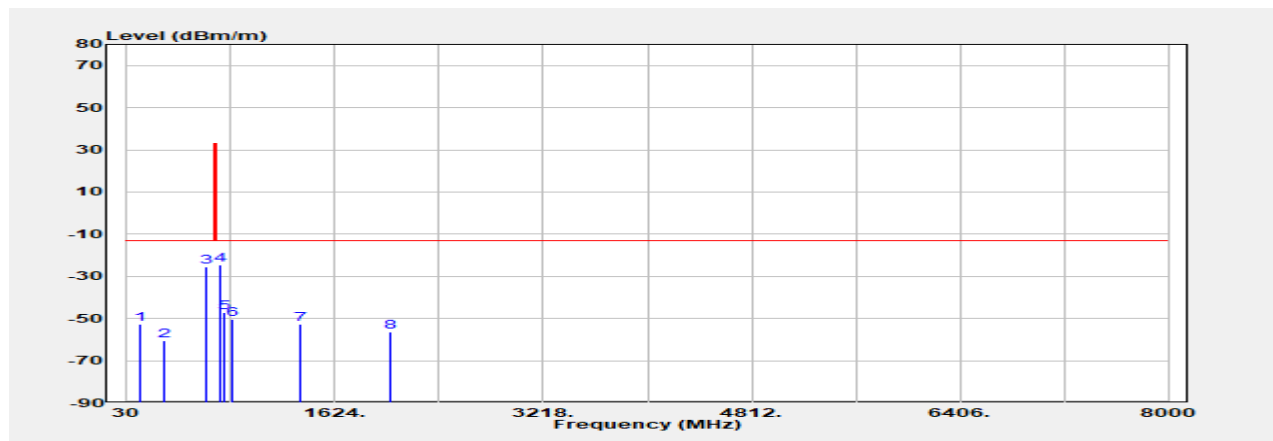
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Report Number :TERF2304001037E2
 Operation Mode :CatM1 B71
 Test Mode :Tx
 EUT Pol :E2 Plane
 Test Frequency :680.5 MHz

Test Site :SAC C
 Test Date :2023-05-24
 Temp./Humi. :25.0°C/60%
 Antenna Pol. :Horizontal
 Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
128.940	-52.46	-50.37	-1.43	-0.66	-13.00	-39.46
312.270	-60.71	-63.71	4.06	-1.06	-13.00	-47.71
643.040	-25.69	-27.81	3.80	-1.68	-13.00	-12.69
743.920	-24.65	-26.79	3.71	-1.57	-13.00	-11.65
770.110	-47.13	-48.99	3.59	-1.73	-13.00	-34.13
838.980	-50.51	-52.51	3.86	-1.86	-13.00	-37.51
1361.000	-52.63	-55.64	7.13	-4.12	-13.00	-39.63
2041.500	-56.15	-61.14	10.20	-5.21	-13.00	-43.15

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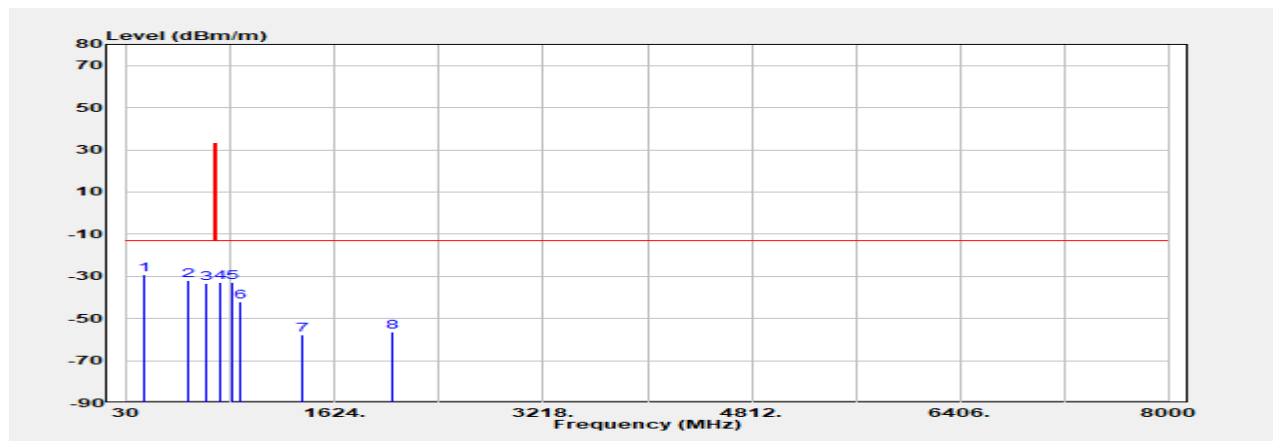
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Report Number :TERF2304001037E2
Operation Mode :CatM1 B71
Test Mode :Tx
EUT Pol :E2 Plane
Test Frequency :688 MHz

Test Site :SAC C
Test Date :2023-05-24
Temp./Humi. :25.0°C/60%
Antenna Pol. :Vertical
Engineer :Andy Wang



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
159.010	-29.22	-26.90	-1.51	-0.81	-13.00	-16.22
498.510	-31.85	-35.03	4.41	-1.23	-13.00	-18.85
637.220	-33.42	-35.62	3.85	-1.65	-13.00	-20.42
742.950	-33.04	-35.21	3.72	-1.55	-13.00	-20.04
838.980	-32.92	-34.92	3.86	-1.86	-13.00	-19.92
891.360	-41.89	-44.23	4.21	-1.87	-13.00	-28.89
1376.000	-57.76	-60.92	7.31	-4.15	-13.00	-44.76
2064.000	-56.57	-61.37	10.12	-5.32	-13.00	-43.57

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