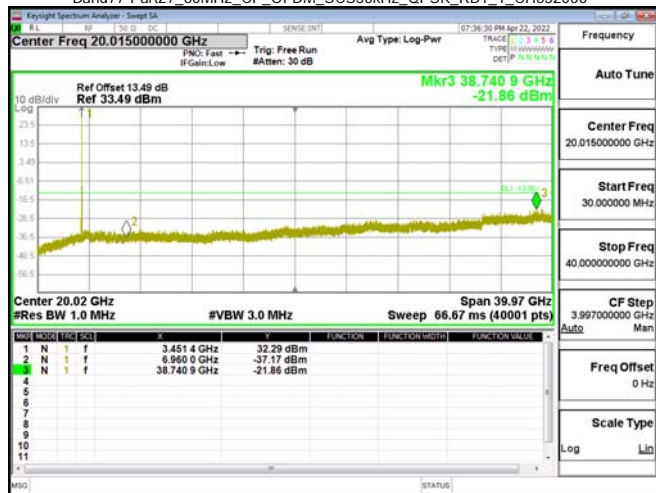
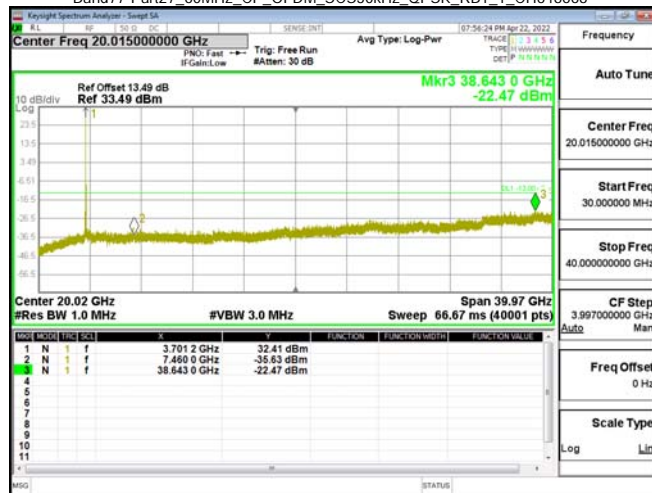


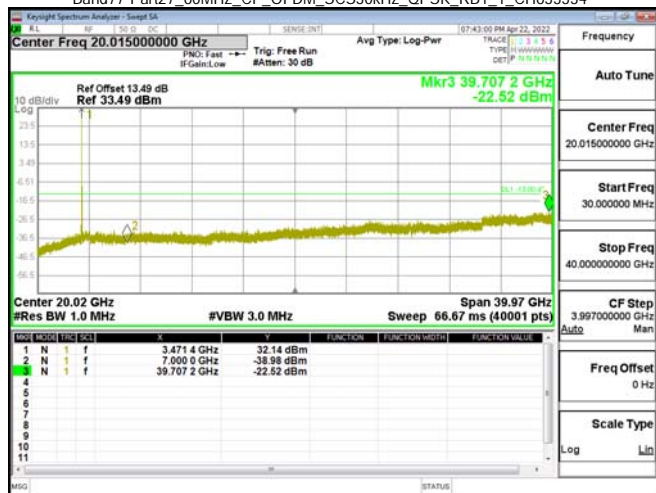
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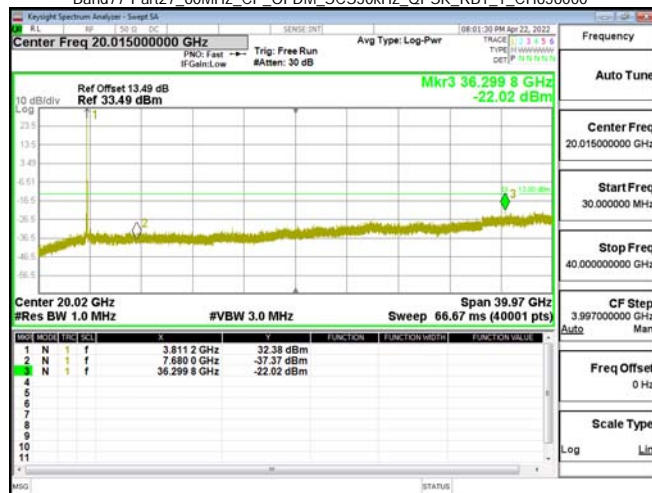
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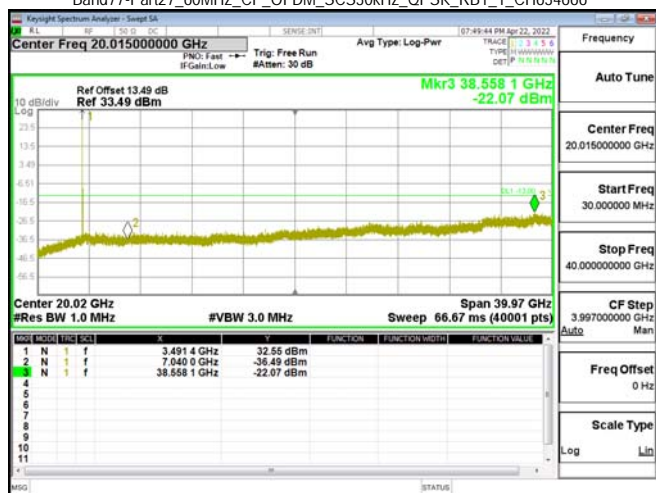
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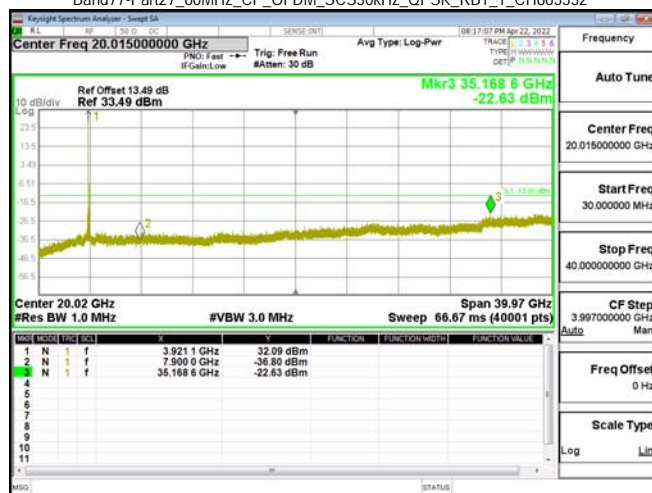
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Band77-Part27_60MHz_CP_OFDM_SCS30kHz_OPSK_RB1_1_CH634666



Band77-Part27_60MHz_CP_OFDM_SCS30kHz_OPSK_RB1_1_CH663332

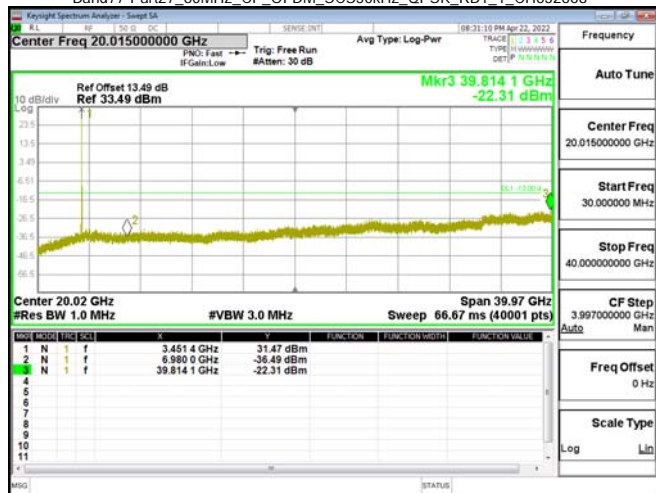


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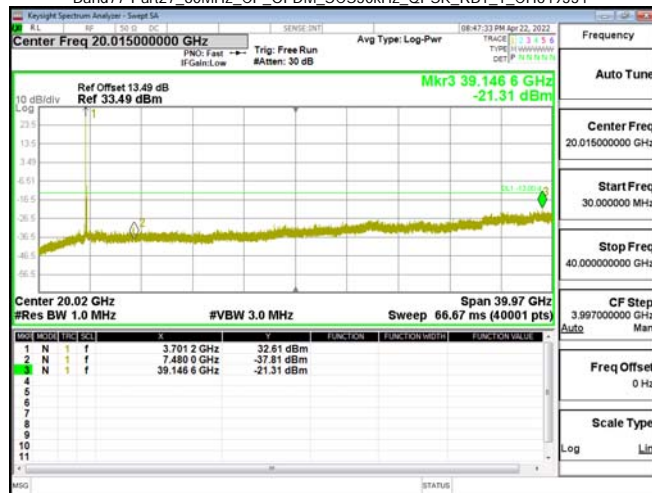
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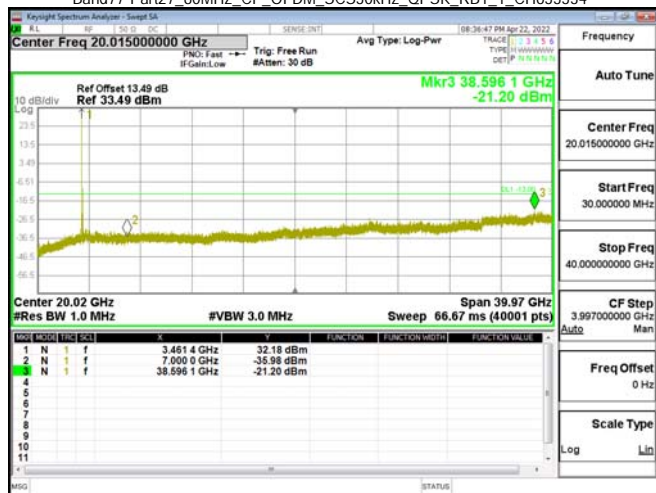
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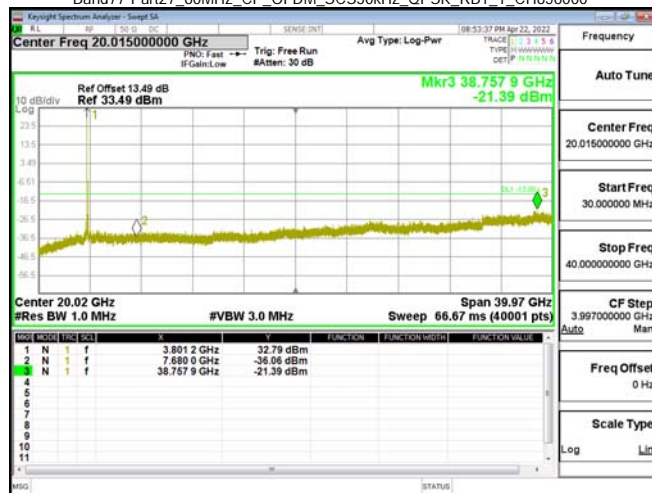
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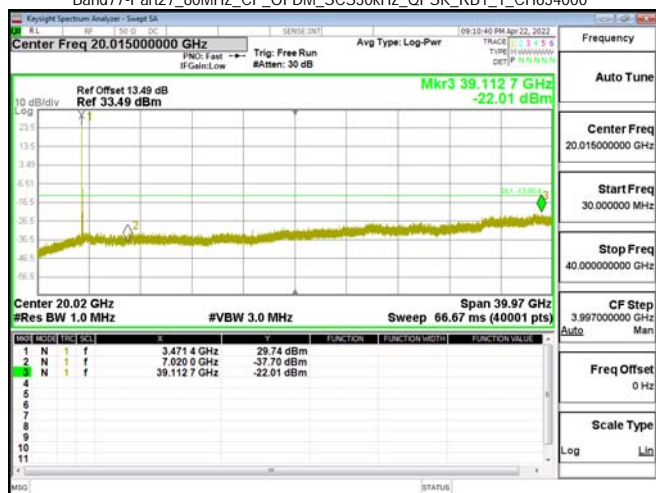
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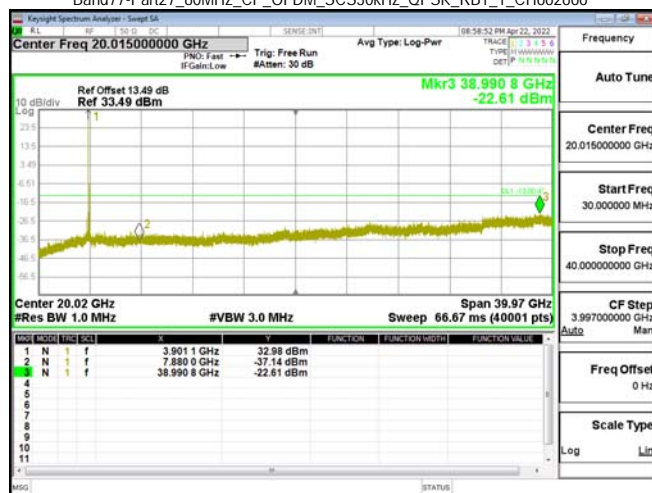
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Band77-Part27_80MHz_CP_OFDM_SCS30kHz_OPSK_RB1_1_CH634000



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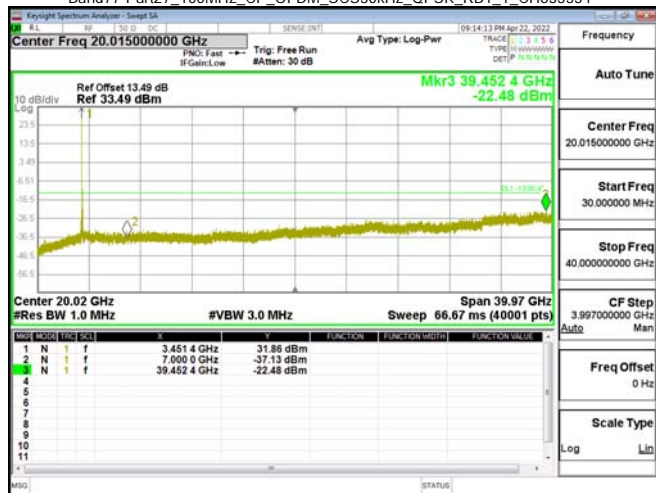


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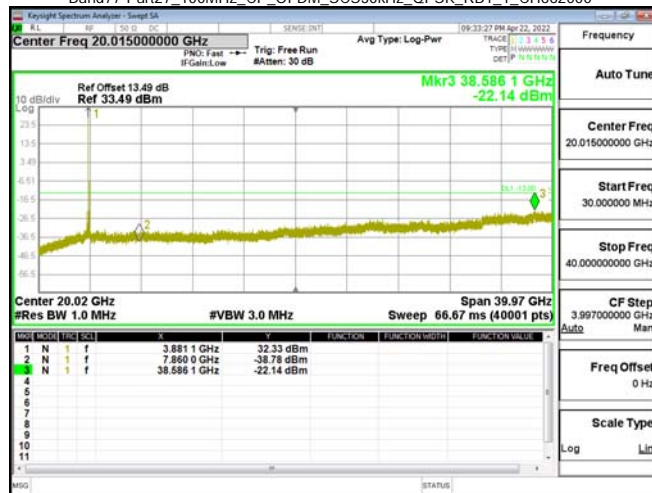
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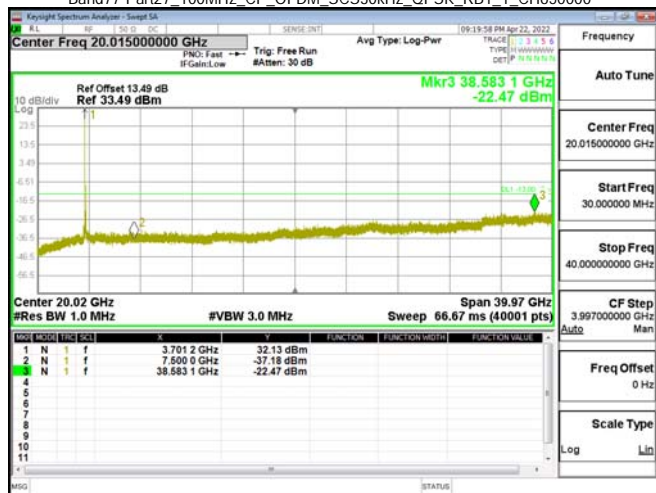
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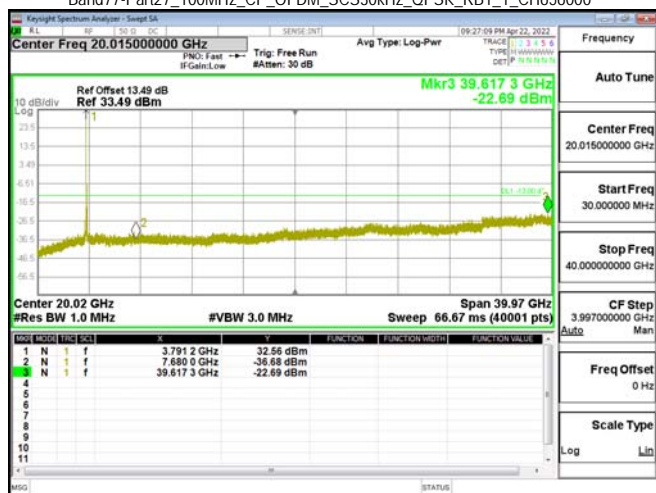
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Band77-Part27_100MHz_CP_OFDM_SCS30kHz_QPSK_RB1_1_CH650000



Band77-Part27_100MHz_CP_OFDM_SCS30kHz_QPSK_RB1_1_CH656000



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10 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1 Standard Applicable

According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §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(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.

FCC §27.53(l)(2)

(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC §27.53(n)(2)

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

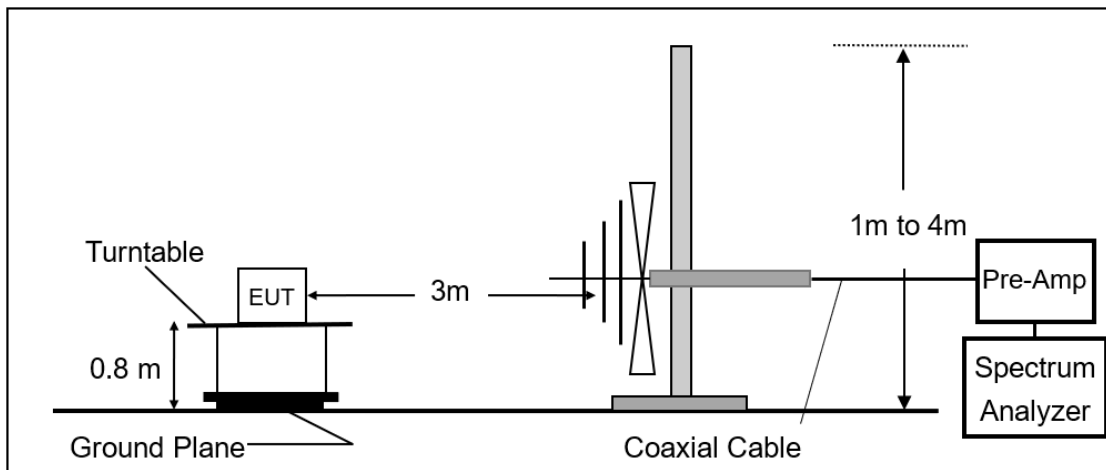
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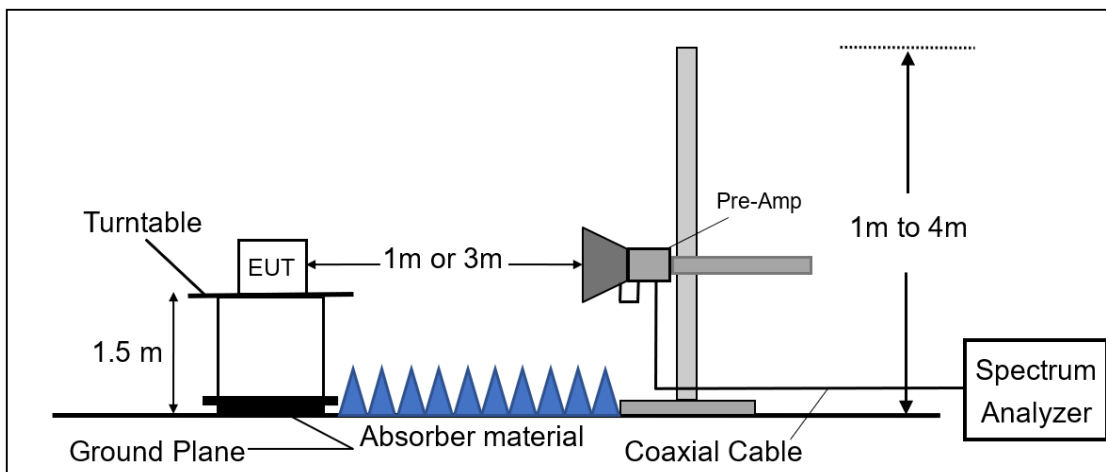
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10.2 EUT Setup

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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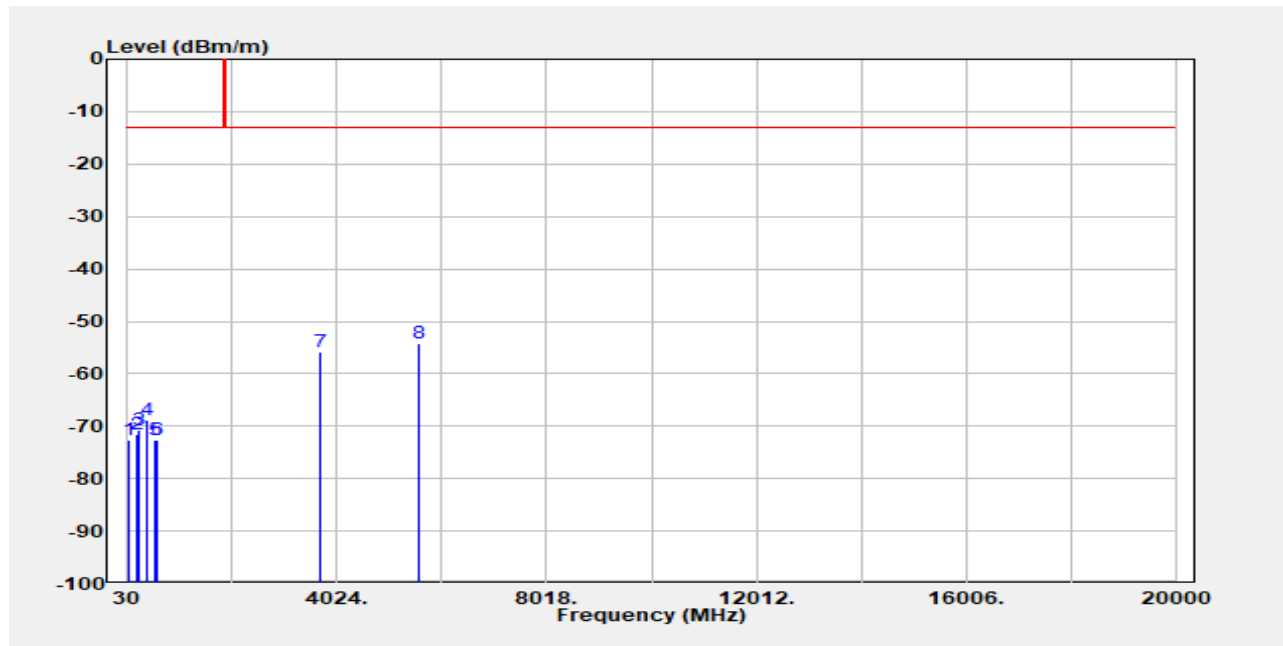
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10.4 Measurement Result:

Report Number :ER/2022/30084
Operation Mode :n2
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :1857.5 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-72.57	2.02	-12.13	-0.70	-13.00	-59.57
194.90	-71.57	-3.87	3.88	-1.43	-13.00	-58.57
253.10	-70.60	-2.89	4.32	-1.60	-13.00	-57.60
398.60	-68.79	-2.29	4.32	-2.12	-13.00	-55.79
547.98	-72.60	1.30	4.20	-2.29	-13.00	-59.60
598.42	-72.51	3.77	3.68	-2.64	-13.00	-59.51
3715.00	-55.79	-60.57	12.33	-7.55	-13.00	-42.79
5572.50	-54.07	-57.55	12.95	-9.46	-13.00	-41.07

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Report Number :ER/2022/30084

Operation Mode :n2

Test Mode :Tx CH Low

EUT Pol :H Plane

Test Frequency :1857.5 MHz

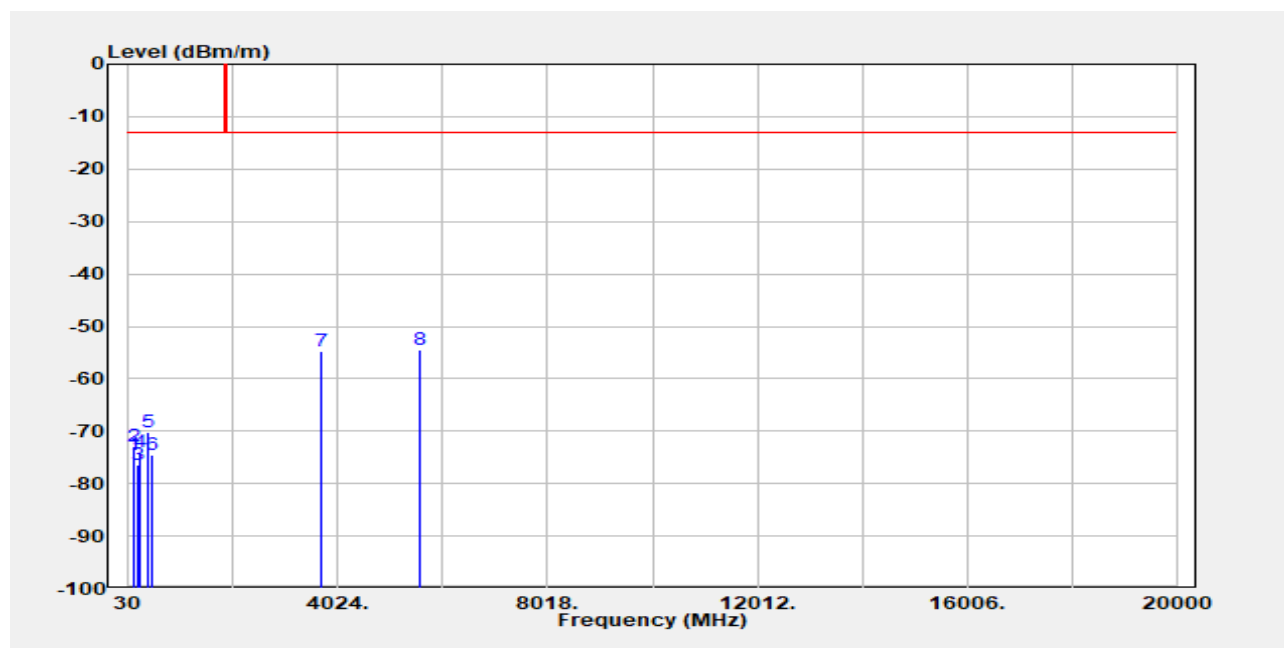
Test Site :SAC 1

Test Date :2022-05-11

Temp./Humi. :20.6/71

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-74.47	-71.63	-1.72	-1.12	-13.00	-61.47
127.00	-72.95	-69.74	-2.04	-1.16	-13.00	-59.95
195.87	-76.36	-78.93	4.01	-1.43	-13.00	-63.36
252.13	-74.03	-76.76	4.33	-1.60	-13.00	-61.03
397.63	-70.27	-72.48	4.32	-2.11	-13.00	-57.27
480.08	-74.40	-76.17	4.21	-2.44	-13.00	-61.40
3715.00	-54.67	-59.45	12.33	-7.55	-13.00	-41.67
5572.50	-54.36	-57.85	12.95	-9.46	-13.00	-41.36

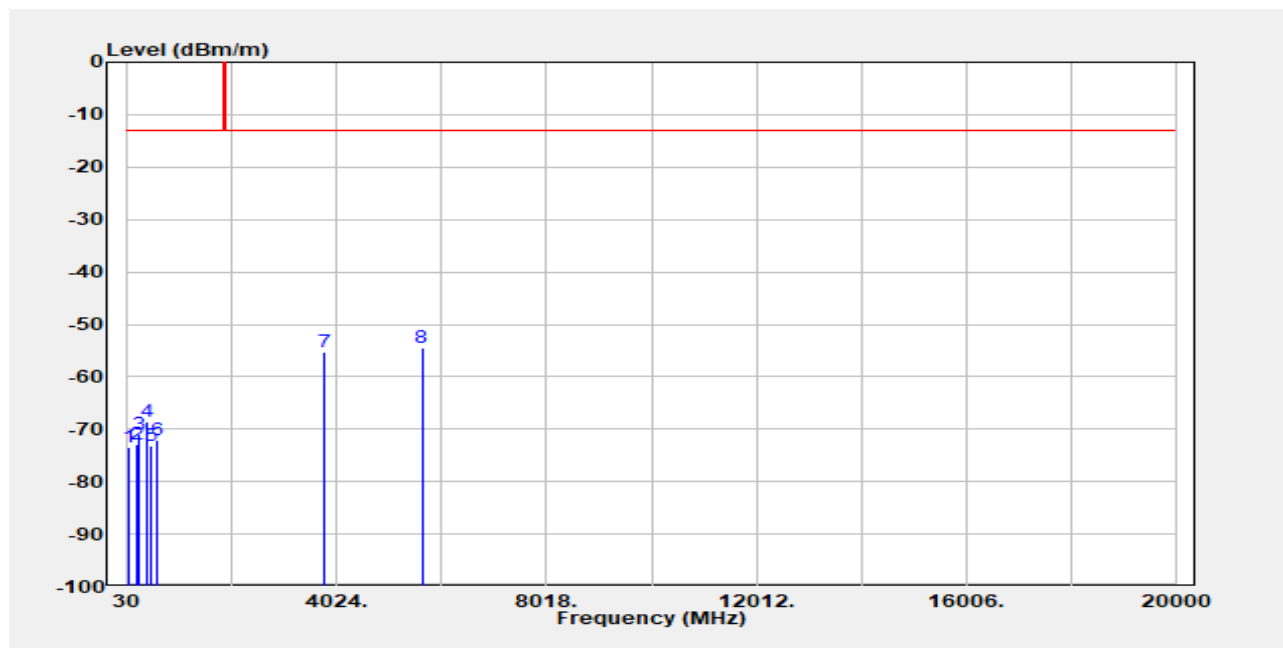
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Report Number :ER/2022/30084
 Operation Mode :n2
 Test Mode :Tx CH Mid
 EUT Pol :H Plane
 Test Frequency :1880 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.51	-60.68	-12.13	-0.70	-13.00	-60.51
194.90	-72.89	-75.33	3.88	-1.43	-13.00	-59.89
253.10	-71.08	-73.80	4.32	-1.60	-13.00	-58.08
394.72	-68.68	-70.91	4.32	-2.08	-13.00	-55.68
480.08	-73.19	-74.95	4.21	-2.44	-13.00	-60.19
601.33	-72.12	-73.13	3.64	-2.63	-13.00	-59.12
3760.00	-55.36	-60.12	12.40	-7.63	-13.00	-42.36
5640.00	-54.37	-58.14	13.00	-9.23	-13.00	-41.37

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Report Number :ER/2022/30084

Operation Mode :n2

Test Mode :Tx CH Mid

EUT Pol :H Plane

Test Frequency :1880 MHz

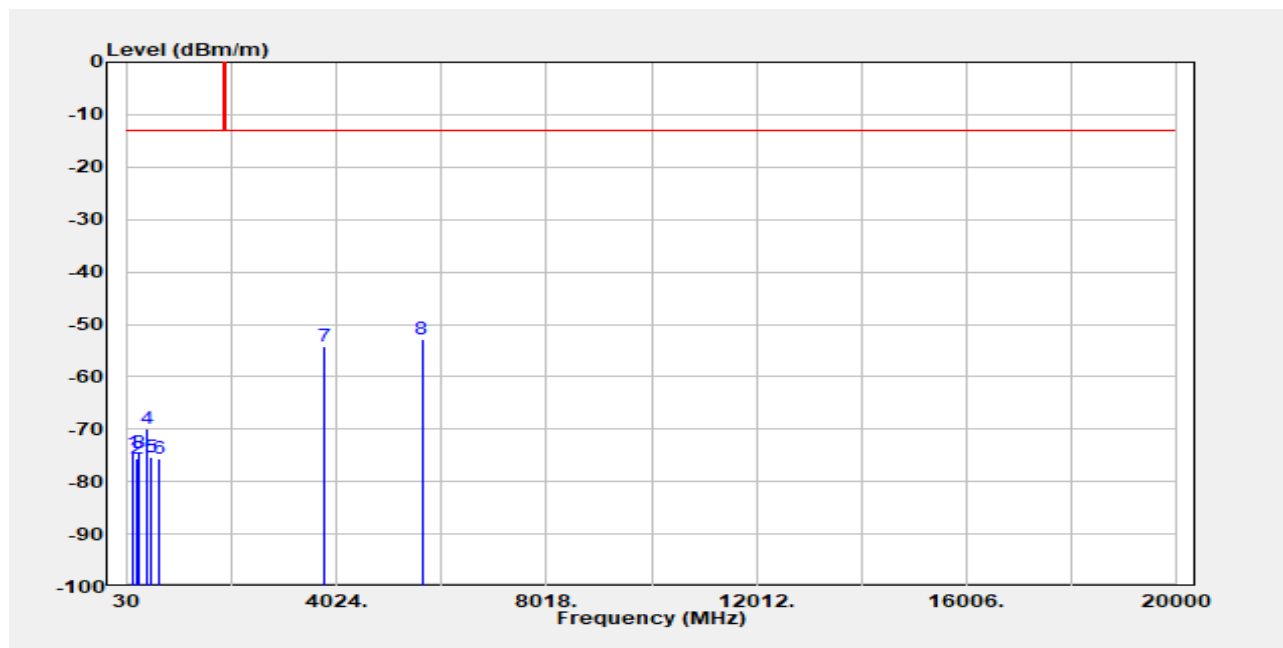
Test Site :SAC 1

Test Date :2022-05-11

Temp./Humi. :20.6/71

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-74.56	-71.71	-1.73	-1.11	-13.00	-61.56
192.96	-75.49	-77.74	3.69	-1.43	-13.00	-62.49
252.13	-74.55	-77.28	4.33	-1.60	-13.00	-61.55
397.63	-69.95	-72.16	4.32	-2.11	-13.00	-56.95
480.08	-75.36	-77.12	4.21	-2.44	-13.00	-62.36
639.16	-75.61	-76.92	3.49	-2.18	-13.00	-62.61
3760.00	-54.20	-58.97	12.40	-7.63	-13.00	-41.20
5640.00	-52.83	-56.60	13.00	-9.23	-13.00	-39.83

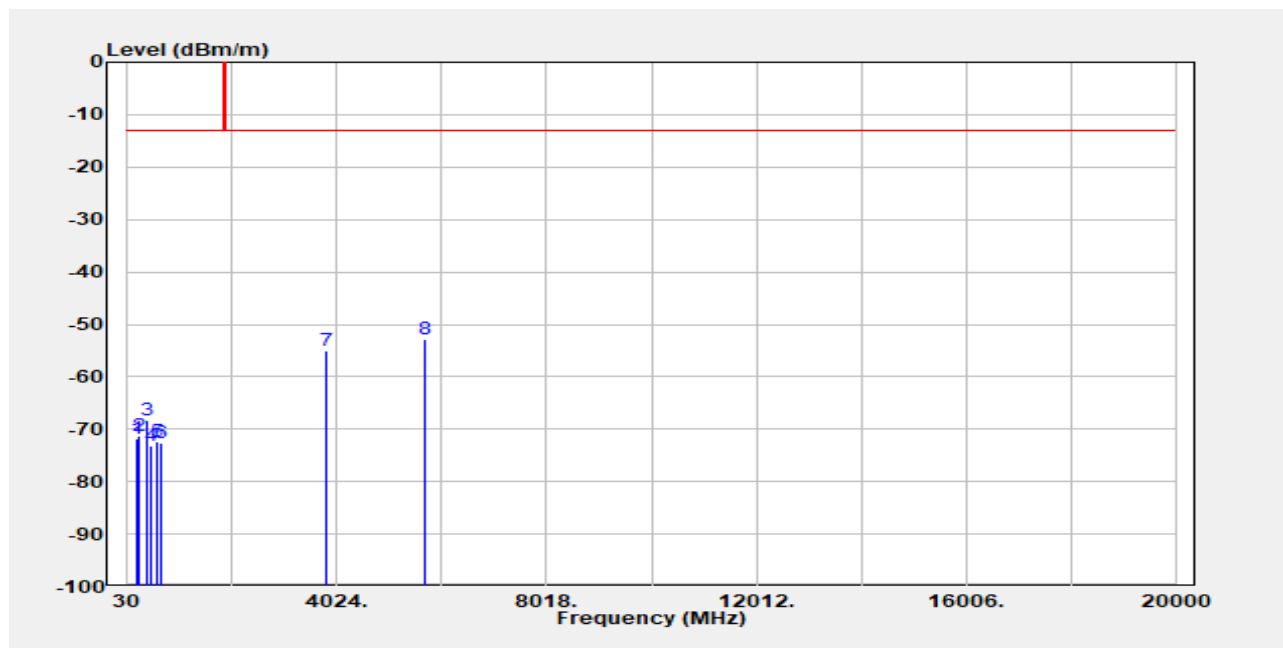
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Report Number :ER/2022/30084
Operation Mode :n2
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :1902.5 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
195.87	-71.89	-74.46	4.01	-1.43	-13.00	-58.89
252.13	-71.22	-73.95	4.33	-1.60	-13.00	-58.22
396.66	-68.18	-70.39	4.32	-2.10	-13.00	-55.18
480.08	-73.06	-74.82	4.21	-2.44	-13.00	-60.06
597.45	-72.42	-73.48	3.71	-2.65	-13.00	-59.42
656.62	-72.56	-73.79	3.63	-2.40	-13.00	-59.56
3805.00	-54.99	-59.69	12.39	-7.69	-13.00	-41.99
5707.50	-52.71	-56.43	12.80	-9.09	-13.00	-39.71

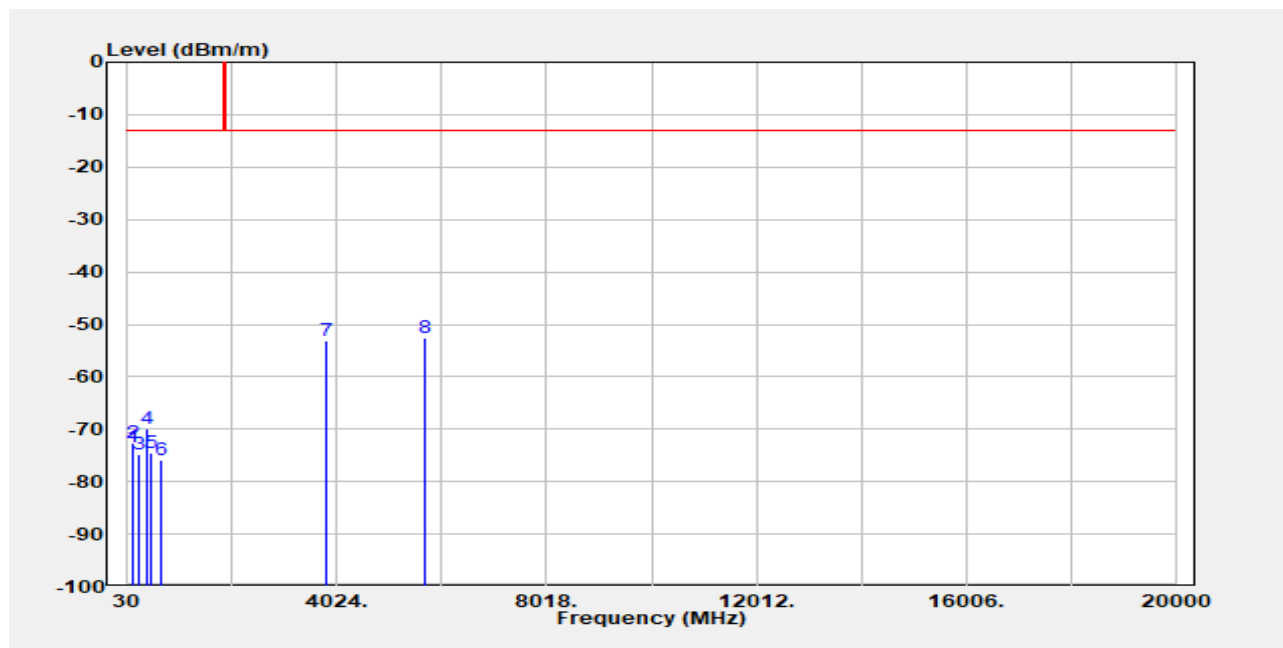
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Report Number :ER/2022/30084
 Operation Mode :n2
 Test Mode :Tx CH High
 EUT Pol :H Plane
 Test Frequency :1902.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-73.36	-70.42	-1.82	-1.12	-13.00	-60.36
128.94	-72.72	-69.55	-2.00	-1.17	-13.00	-59.72
252.13	-74.69	-77.42	4.33	-1.60	-13.00	-61.69
396.66	-69.96	-72.17	4.32	-2.10	-13.00	-56.96
480.08	-74.61	-76.38	4.21	-2.44	-13.00	-61.61
680.87	-75.96	-76.92	3.82	-2.86	-13.00	-62.96
3805.00	-53.25	-57.95	12.39	-7.69	-13.00	-40.25
5707.50	-52.61	-56.32	12.80	-9.09	-13.00	-39.61

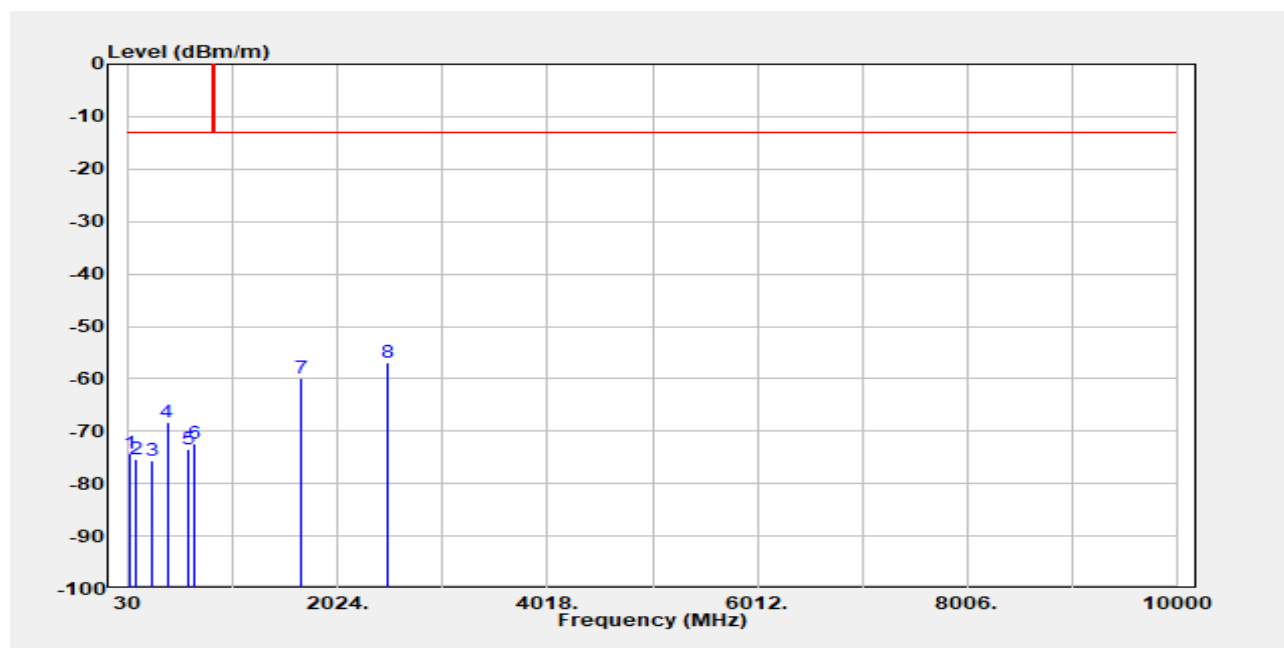
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH Low
 EUT Pol :H Plane
 Test Frequency :831.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.32	-61.49	-12.13	-0.70	-13.00	-61.32
103.72	-75.35	-73.24	-1.07	-1.03	-13.00	-62.35
252.13	-75.71	-78.44	4.33	-1.60	-13.00	-62.71
396.66	-68.19	-70.40	4.32	-2.10	-13.00	-55.19
591.63	-73.32	-74.46	3.79	-2.65	-13.00	-60.32
652.74	-72.47	-73.66	3.62	-2.43	-13.00	-59.47
1663.00	-59.97	-65.22	9.53	-4.27	-13.00	-46.97
2494.50	-56.80	-62.21	10.59	-5.18	-13.00	-43.80

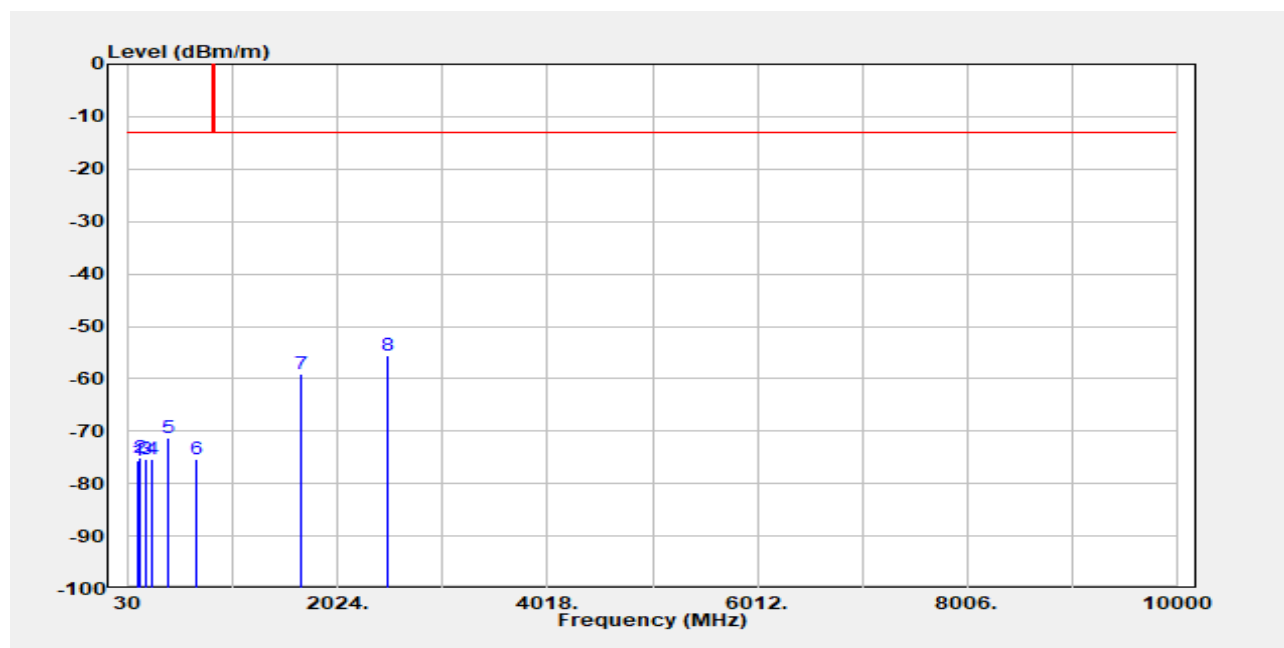
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH Low
 EUT Pol :H Plane
 Test Frequency :831.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-75.71	-73.00	-1.61	-1.10	-13.00	-62.71
130.88	-75.06	-71.88	-1.99	-1.18	-13.00	-62.06
198.78	-75.26	-78.08	4.25	-1.43	-13.00	-62.26
252.13	-75.41	-78.14	4.33	-1.60	-13.00	-62.41
397.63	-71.34	-73.54	4.32	-2.11	-13.00	-58.34
672.14	-75.34	-75.99	3.77	-3.12	-13.00	-62.34
1663.00	-59.18	-64.43	9.53	-4.27	-13.00	-46.18
2494.50	-55.52	-60.93	10.59	-5.18	-13.00	-42.52

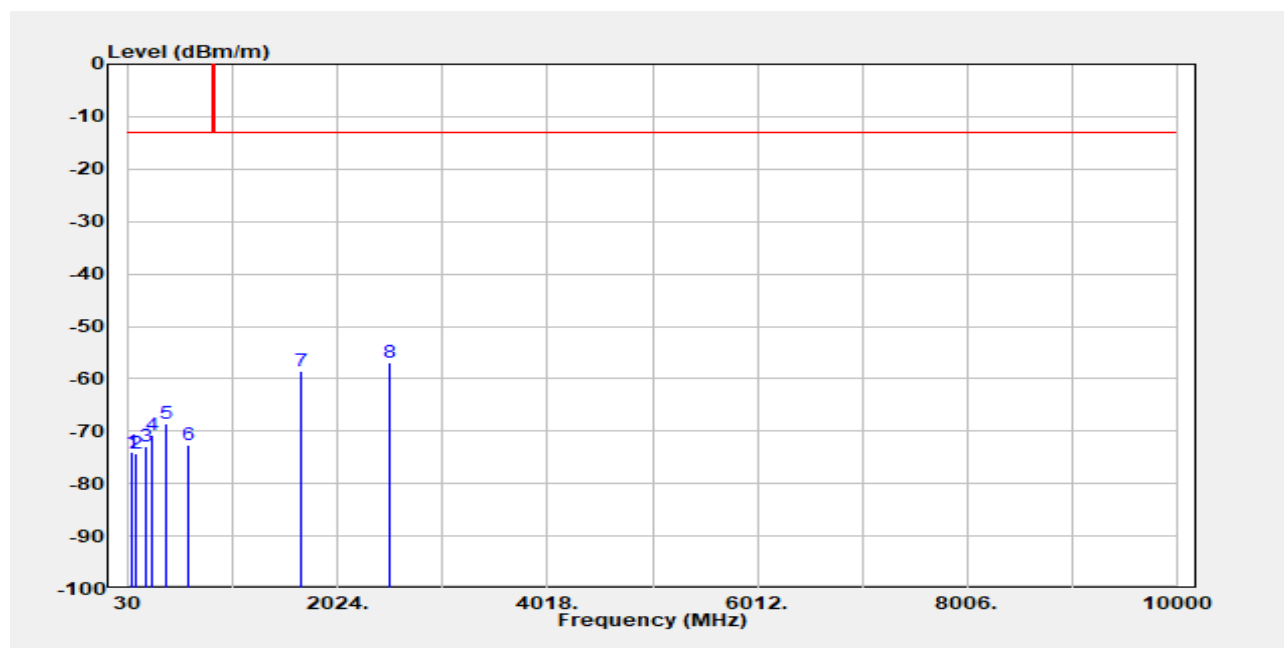
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH Mid
 EUT Pol :H Plane
 Test Frequency :836.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-74.09	-62.10	-11.28	-0.71	-13.00	-61.09
103.72	-74.39	-72.28	-1.07	-1.03	-13.00	-61.39
192.96	-72.90	-75.15	3.69	-1.43	-13.00	-59.90
253.10	-70.66	-73.38	4.32	-1.60	-13.00	-57.66
394.72	-68.47	-70.70	4.32	-2.08	-13.00	-55.47
602.30	-72.51	-73.53	3.63	-2.61	-13.00	-59.51
1673.00	-58.45	-63.70	9.55	-4.29	-13.00	-45.45
2509.50	-56.92	-62.35	10.62	-5.20	-13.00	-43.92

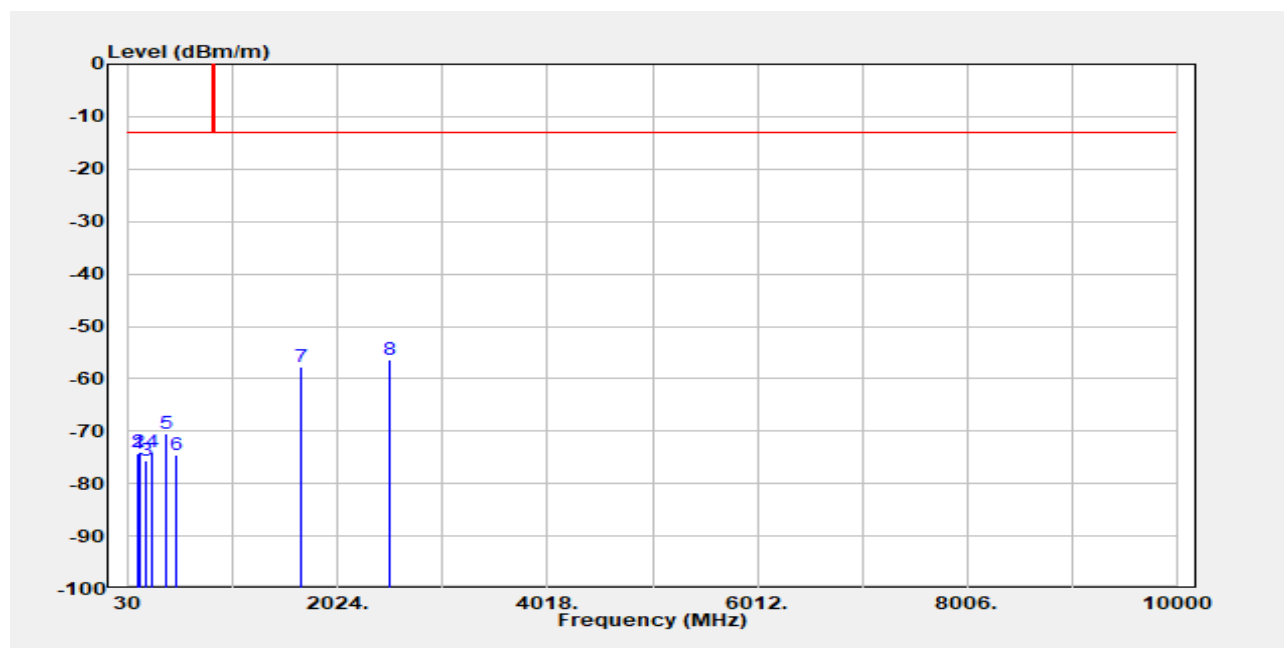
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH Mid
 EUT Pol :H Plane
 Test Frequency :836.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-74.21	-71.36	-1.73	-1.11	-13.00	-61.21
127.97	-73.86	-70.82	-1.88	-1.16	-13.00	-60.86
194.90	-75.59	-78.04	3.88	-1.43	-13.00	-62.59
252.13	-73.95	-76.68	4.33	-1.60	-13.00	-60.95
394.72	-70.49	-72.72	4.32	-2.08	-13.00	-57.49
480.08	-74.50	-76.27	4.21	-2.44	-13.00	-61.50
1673.00	-57.73	-62.99	9.55	-4.29	-13.00	-44.73
2509.50	-56.38	-61.80	10.62	-5.20	-13.00	-43.38

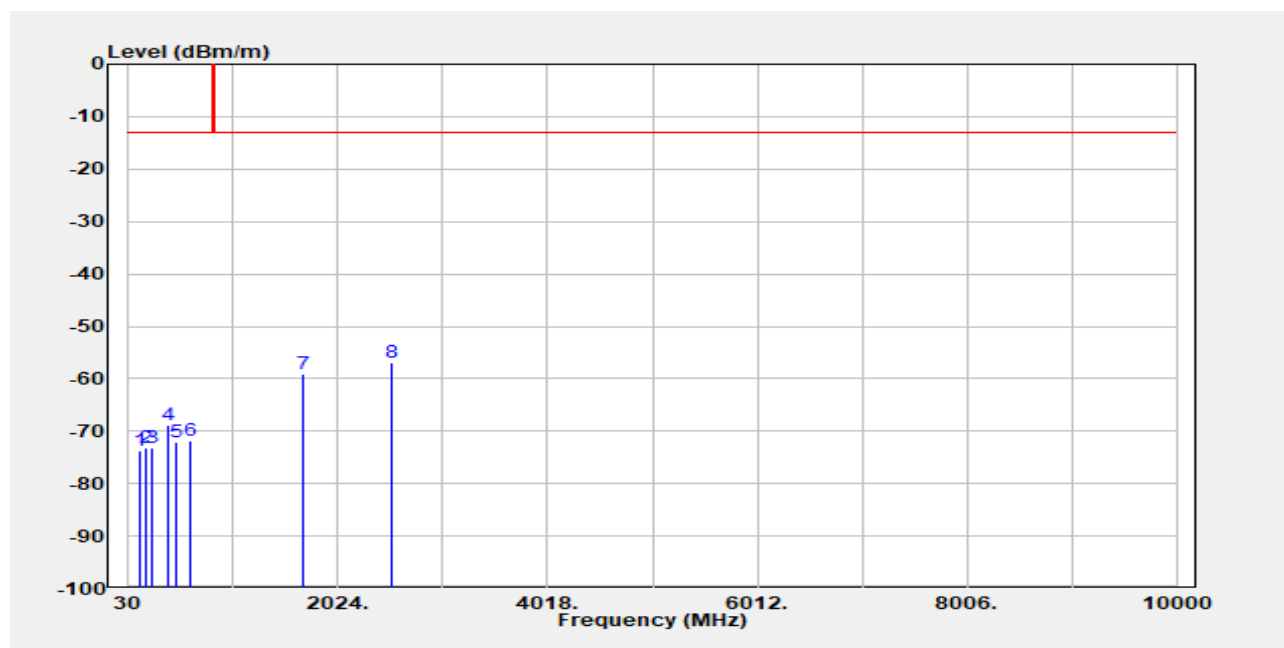
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH High
 EUT Pol :H Plane
 Test Frequency :841.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
140.58	-73.77	-70.55	-1.90	-1.31	-13.00	-60.77
196.84	-73.21	-75.84	4.06	-1.43	-13.00	-60.21
256.98	-73.22	-75.93	4.34	-1.63	-13.00	-60.22
399.57	-68.71	-70.90	4.32	-2.13	-13.00	-55.71
480.08	-71.99	-73.75	4.21	-2.44	-13.00	-58.99
618.79	-71.79	-72.91	3.43	-2.31	-13.00	-58.79
1683.00	-59.05	-64.31	9.57	-4.30	-13.00	-46.05
2524.50	-56.95	-62.38	10.65	-5.21	-13.00	-43.95

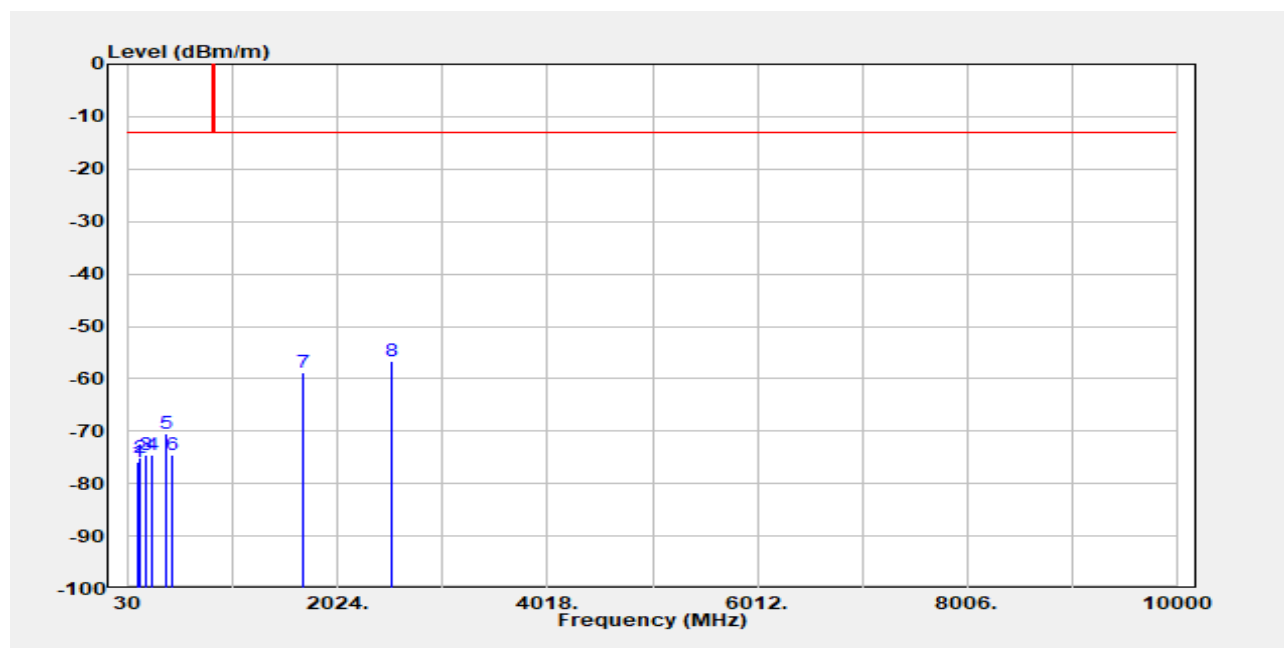
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Report Number :ER/2022/30084
 Operation Mode :n5
 Test Mode :Tx CH High
 EUT Pol :H Plane
 Test Frequency :841.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-75.89	-73.09	-1.71	-1.10	-13.00	-62.89
130.88	-75.20	-72.03	-1.99	-1.18	-13.00	-62.20
197.81	-74.45	-77.21	4.19	-1.43	-13.00	-61.45
253.10	-74.59	-77.30	4.32	-1.60	-13.00	-61.59
394.72	-70.35	-72.59	4.32	-2.08	-13.00	-57.35
446.13	-74.61	-76.56	4.15	-2.20	-13.00	-61.61
1683.00	-58.82	-64.08	9.57	-4.30	-13.00	-45.82
2524.50	-56.75	-62.18	10.65	-5.21	-13.00	-43.75

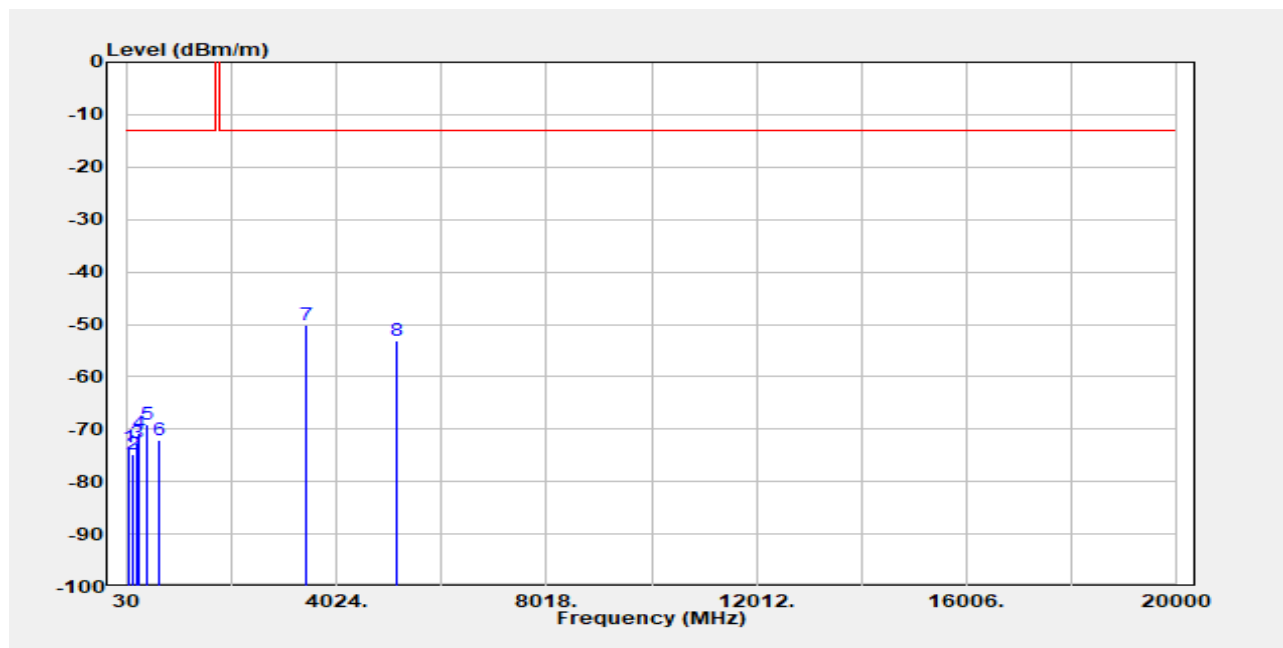
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Report Number :ER/2022/30084
Operation Mode :n66
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.52	2.02	-12.13	-0.70	-13.00	-60.52
117.30	-74.73	-0.99	-1.73	-1.11	-13.00	-61.73
195.87	-72.72	-3.88	4.01	-1.43	-13.00	-59.72
252.13	-70.78	-2.91	4.33	-1.60	-13.00	-57.78
396.66	-69.07	-2.40	4.32	-2.10	-13.00	-56.07
615.88	-72.04	3.25	3.45	-2.38	-13.00	-59.04
3435.00	-50.14	-56.76	12.53	-5.91	-13.00	-37.14
5152.50	-53.18	-57.36	12.12	-7.94	-13.00	-40.18

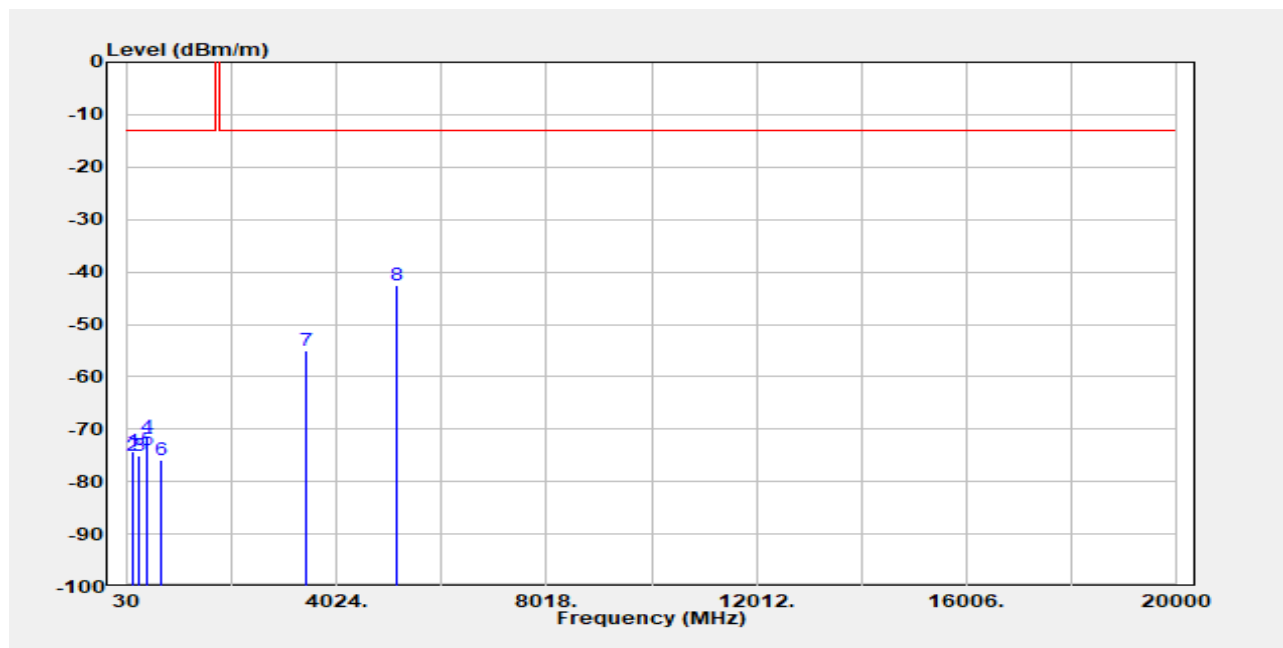
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Report Number :ER/2022/30084
Operation Mode :n66
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-74.23	-71.53	-1.61	-1.10	-13.00	-61.23
130.88	-75.08	-71.90	-1.99	-1.18	-13.00	-62.08
252.13	-75.00	-77.73	4.33	-1.60	-13.00	-62.00
397.63	-71.68	-73.88	4.32	-2.11	-13.00	-58.68
416.06	-74.02	-76.47	4.32	-1.87	-13.00	-61.02
659.53	-75.81	-77.10	3.66	-2.38	-13.00	-62.81
3435.00	-55.10	-61.71	12.53	-5.91	-13.00	-42.10
5152.50	-42.49	-46.67	12.12	-7.94	-13.00	-29.49

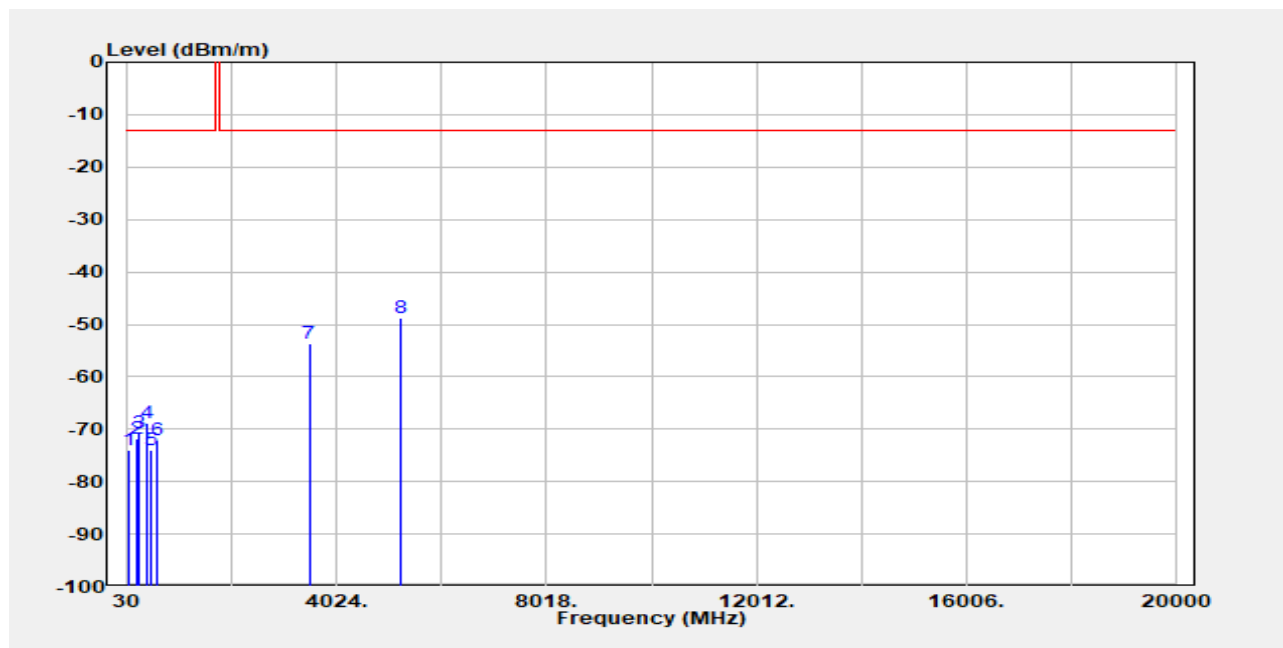
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Report Number :ER/2022/30084
Operation Mode :n66
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :1745 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.00	-61.17	-12.13	-0.70	-13.00	-61.00
196.84	-71.81	-74.44	4.06	-1.43	-13.00	-58.81
253.10	-70.82	-73.54	4.32	-1.60	-13.00	-57.82
397.63	-68.84	-71.05	4.32	-2.11	-13.00	-55.84
480.08	-73.99	-75.75	4.21	-2.44	-13.00	-60.99
601.33	-72.01	-73.02	3.64	-2.63	-13.00	-59.01
3490.00	-53.73	-59.89	12.42	-6.26	-13.00	-40.73
5235.00	-48.71	-53.41	12.68	-7.99	-13.00	-35.71

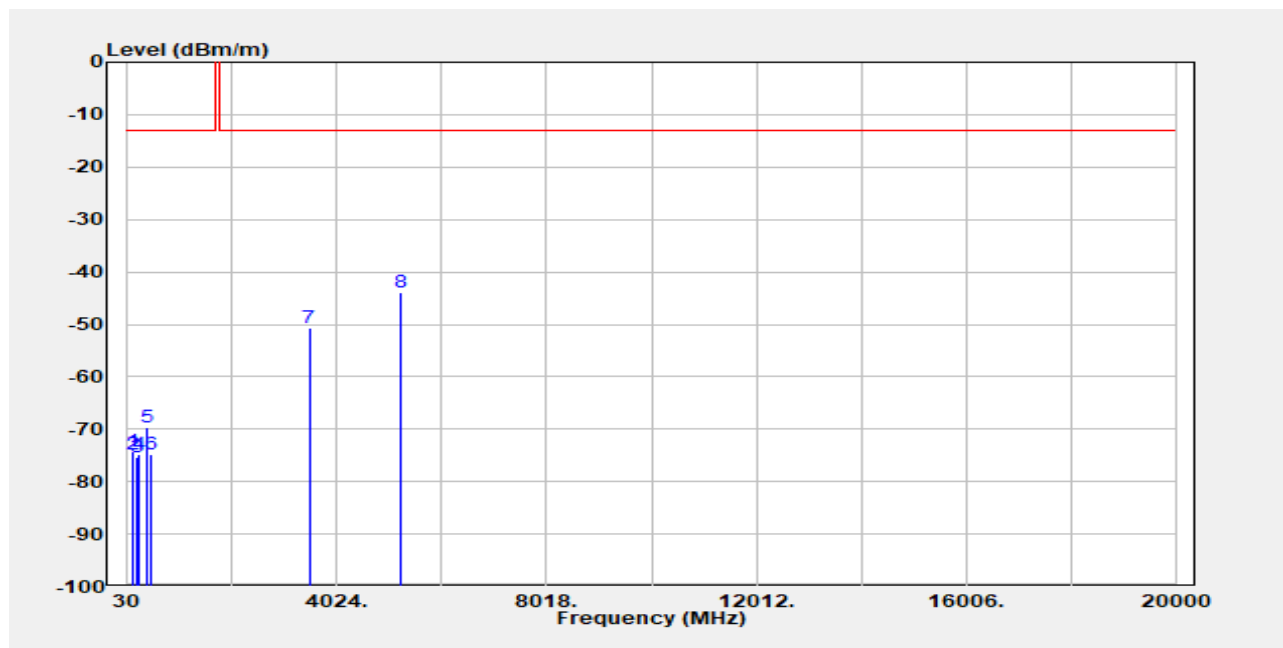
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Report Number :ER/2022/30084
Operation Mode :n66
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :1745 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-74.32	-71.62	-1.61	-1.10	-13.00	-61.32
127.00	-74.74	-71.54	-2.04	-1.16	-13.00	-61.74
194.90	-75.39	-77.83	3.88	-1.43	-13.00	-62.39
253.10	-74.71	-77.43	4.32	-1.60	-13.00	-61.71
395.69	-69.69	-71.91	4.31	-2.09	-13.00	-56.69
480.08	-74.82	-76.58	4.21	-2.44	-13.00	-61.82
3490.00	-50.61	-56.77	12.42	-6.26	-13.00	-37.61
5235.00	-43.90	-48.60	12.68	-7.99	-13.00	-30.90

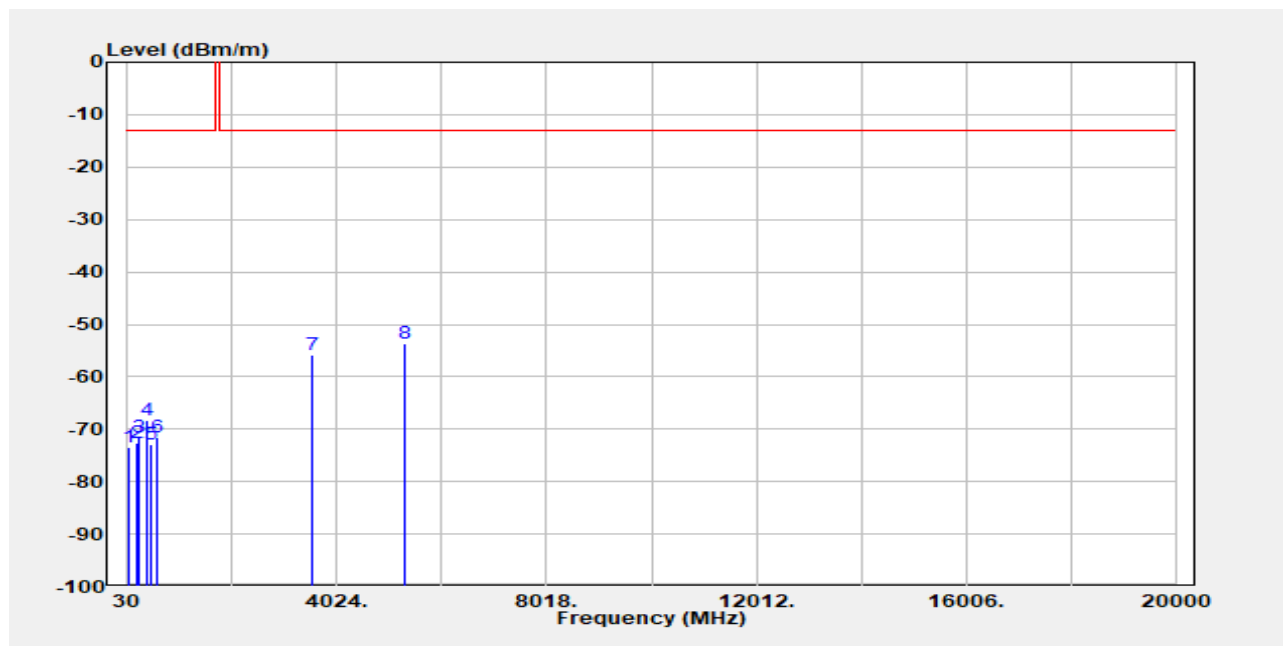
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Report Number :ER/2022/30084
Operation Mode :n66
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :1772.5 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.47	-60.64	-12.13	-0.70	-13.00	-60.47
194.90	-72.49	-74.94	3.88	-1.43	-13.00	-59.49
251.16	-71.67	-74.40	4.33	-1.59	-13.00	-58.67
398.60	-68.23	-70.43	4.32	-2.12	-13.00	-55.23
480.08	-72.94	-74.70	4.21	-2.44	-13.00	-59.94
590.66	-71.55	-72.69	3.79	-2.65	-13.00	-58.55
3545.00	-55.91	-61.81	12.40	-6.50	-13.00	-42.91
5317.50	-53.53	-58.15	13.00	-8.38	-13.00	-40.53

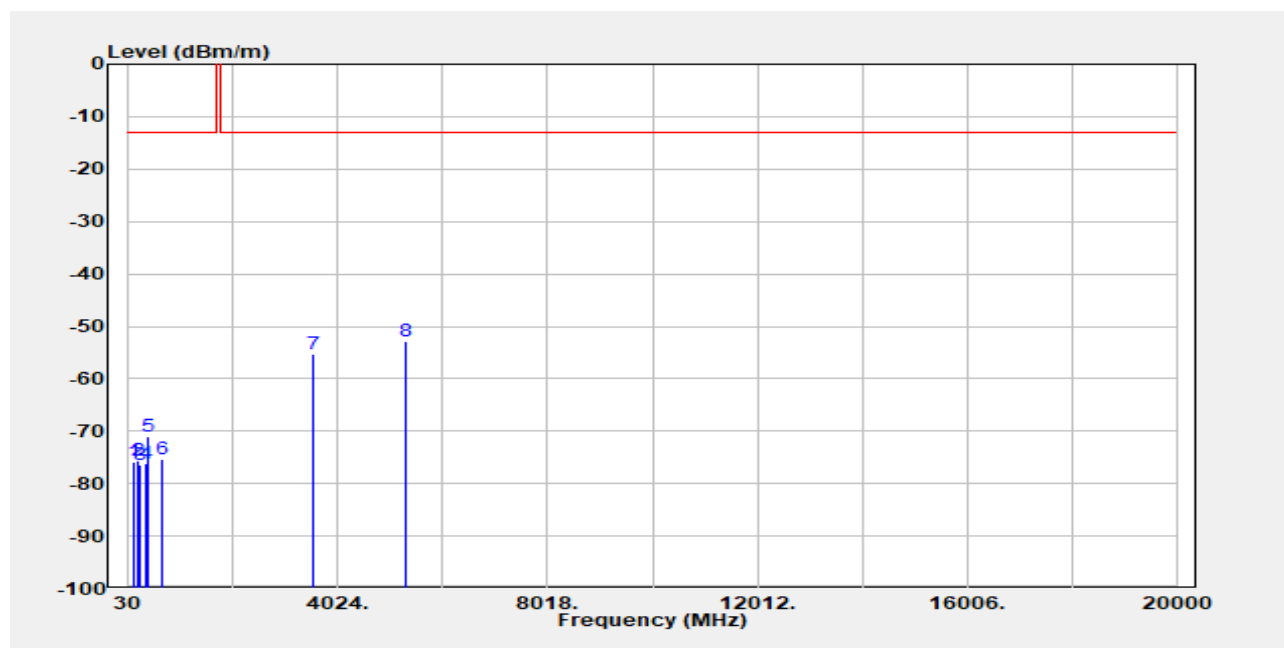
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Report Number :ER/2022/30084
 Operation Mode :n66
 Test Mode :Tx CH High
 EUT Pol :H Plane
 Test Frequency :1772.5 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-75.75	-72.95	-1.71	-1.10	-13.00	-62.75
196.84	-75.51	-78.14	4.06	-1.43	-13.00	-62.51
252.13	-76.31	-79.04	4.33	-1.60	-13.00	-63.31
348.16	-76.12	-78.63	4.52	-2.01	-13.00	-63.12
397.63	-70.91	-73.12	4.32	-2.11	-13.00	-57.91
664.38	-75.33	-76.33	3.73	-2.73	-13.00	-62.33
3545.00	-55.23	-61.14	12.40	-6.50	-13.00	-42.23
5317.50	-52.94	-57.56	13.00	-8.38	-13.00	-39.94

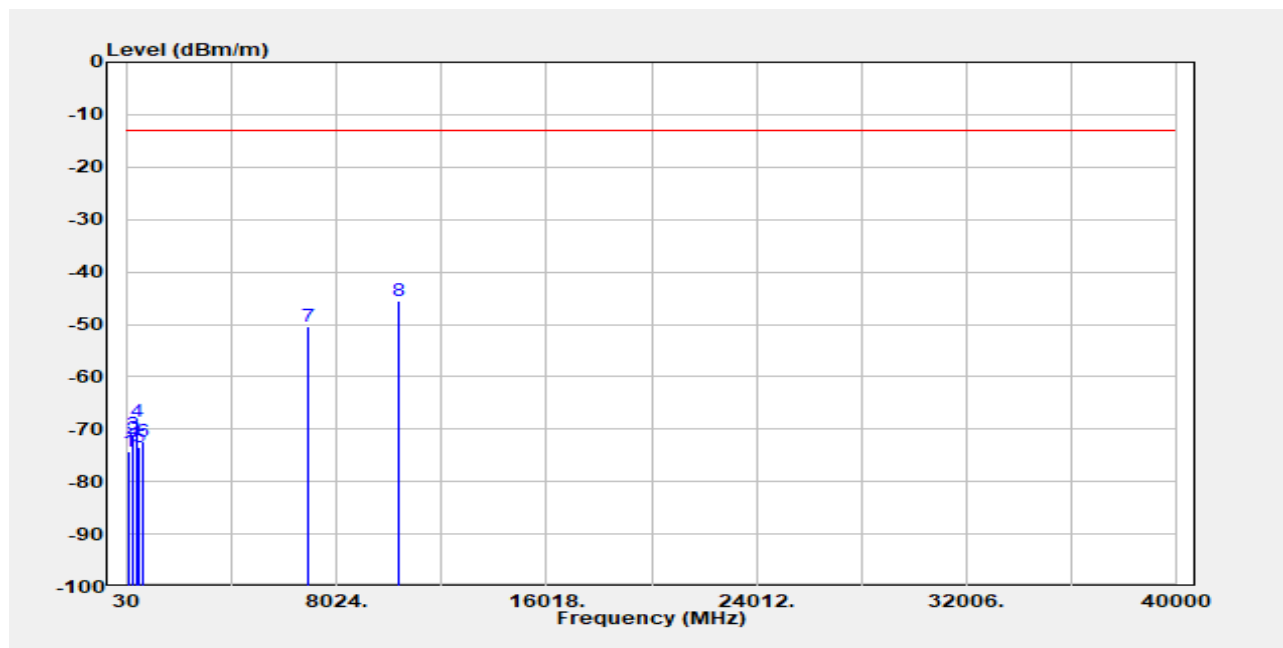
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3470.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.36	-61.53	-12.13	-0.70	-13.00	-61.36
195.87	-71.73	-74.30	4.01	-1.43	-13.00	-58.73
252.13	-71.04	-73.76	4.33	-1.60	-13.00	-58.04
394.72	-68.70	-70.93	4.32	-2.08	-13.00	-55.70
480.08	-73.35	-75.11	4.21	-2.44	-13.00	-60.35
600.36	-72.41	-73.42	3.64	-2.64	-13.00	-59.41
6940.02	-50.28	-52.20	11.72	-9.79	-13.00	-37.28
10410.03	-45.42	-46.56	11.29	-10.14	-13.00	-32.42

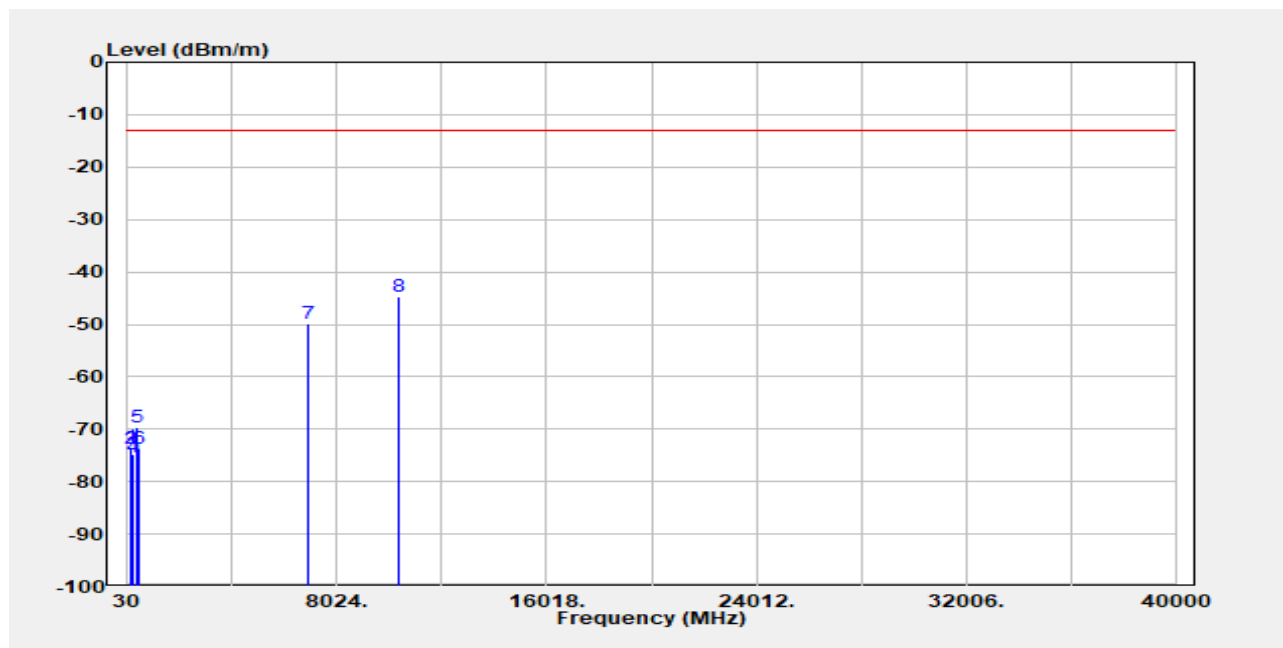
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3470.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-73.40	-70.56	-1.72	-1.12	-13.00	-60.40
127.97	-73.74	-70.69	-1.88	-1.16	-13.00	-60.74
194.90	-74.75	-77.20	3.88	-1.43	-13.00	-61.75
251.16	-75.43	-78.17	4.33	-1.59	-13.00	-62.43
394.72	-69.61	-71.85	4.32	-2.08	-13.00	-56.61
480.08	-73.81	-75.57	4.21	-2.44	-13.00	-60.81
6940.02	-49.81	-51.73	11.72	-9.79	-13.00	-36.81
10410.03	-44.74	-45.88	11.29	-10.14	-13.00	-31.74

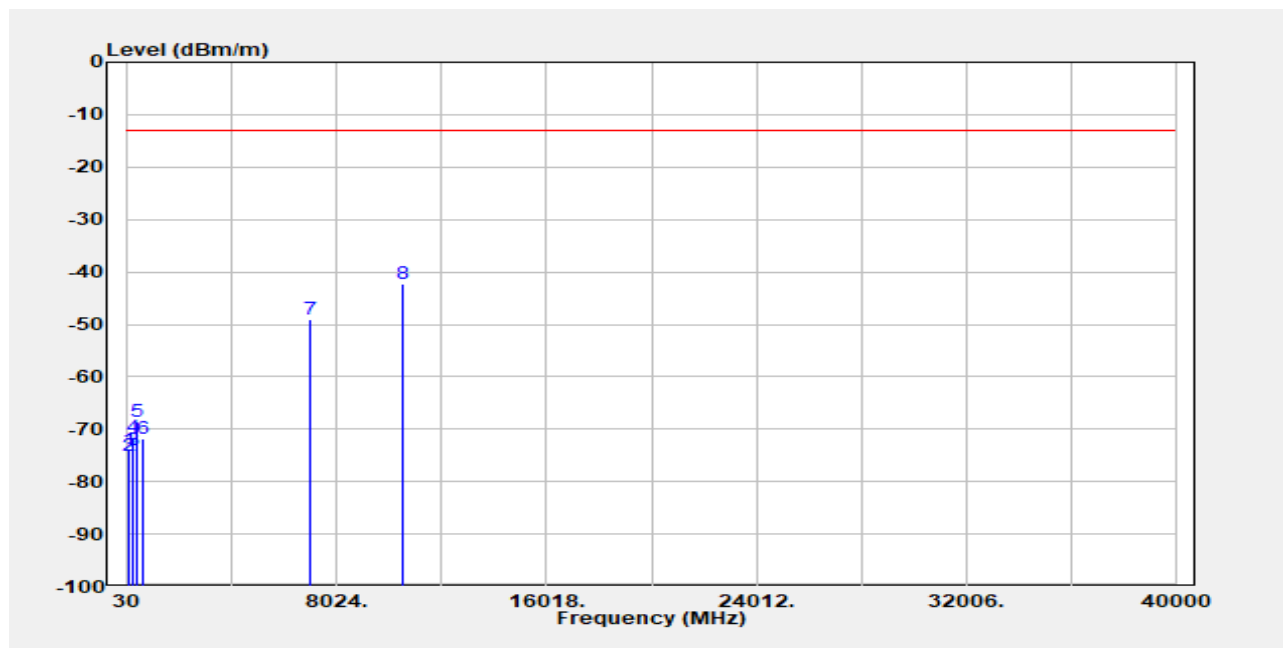
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3500.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.09	-61.26	-12.13	-0.70	-13.00	-61.09
103.72	-75.14	-73.03	-1.07	-1.03	-13.00	-62.14
197.81	-74.05	-76.81	4.19	-1.43	-13.00	-61.05
251.16	-71.46	-74.20	4.33	-1.59	-13.00	-58.46
396.66	-68.55	-70.76	4.32	-2.10	-13.00	-55.55
614.91	-71.74	-72.80	3.46	-2.40	-13.00	-58.74
7000.02	-49.06	-50.91	11.50	-9.65	-13.00	-36.06
10500.03	-42.18	-42.47	11.20	-10.92	-13.00	-29.18

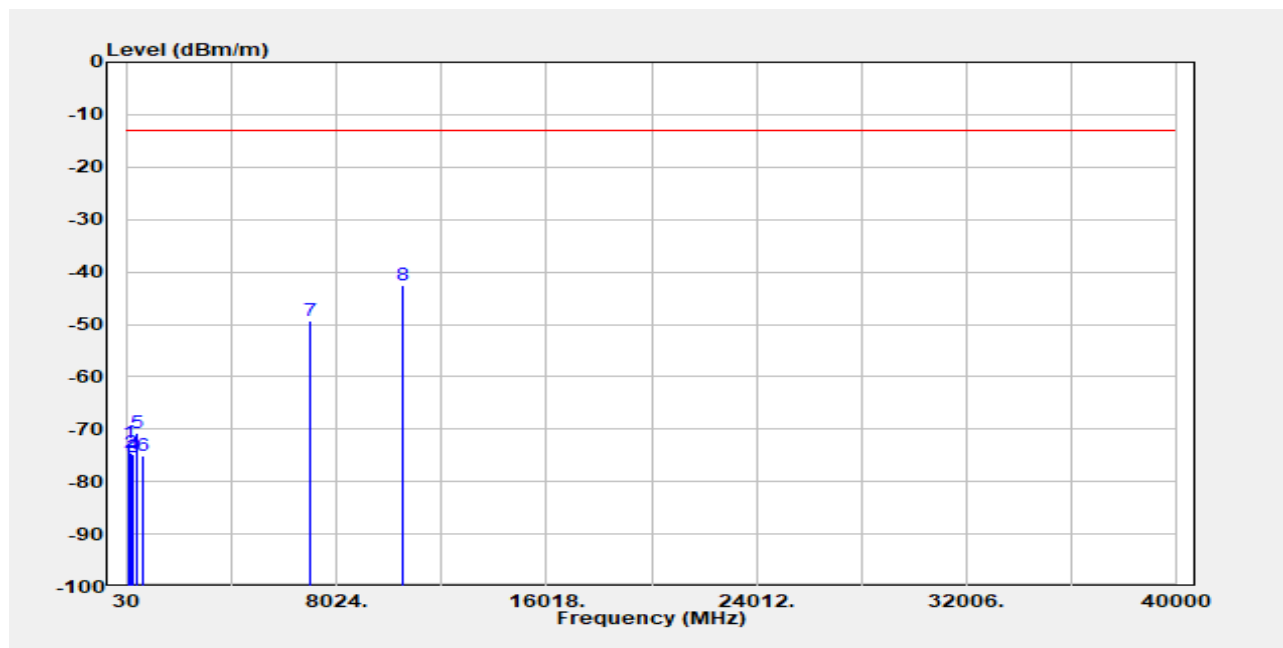
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3500.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
102.75	-72.60	-70.49	-1.08	-1.03	-13.00	-59.60
128.94	-74.60	-71.44	-2.00	-1.17	-13.00	-61.60
197.81	-75.37	-78.13	4.19	-1.43	-13.00	-62.37
251.16	-74.87	-77.61	4.33	-1.59	-13.00	-61.87
396.66	-70.70	-72.91	4.32	-2.10	-13.00	-57.70
614.91	-75.16	-76.23	3.46	-2.40	-13.00	-62.16
7000.02	-49.38	-51.23	11.50	-9.65	-13.00	-36.38
10500.03	-42.63	-42.91	11.20	-10.92	-13.00	-29.63

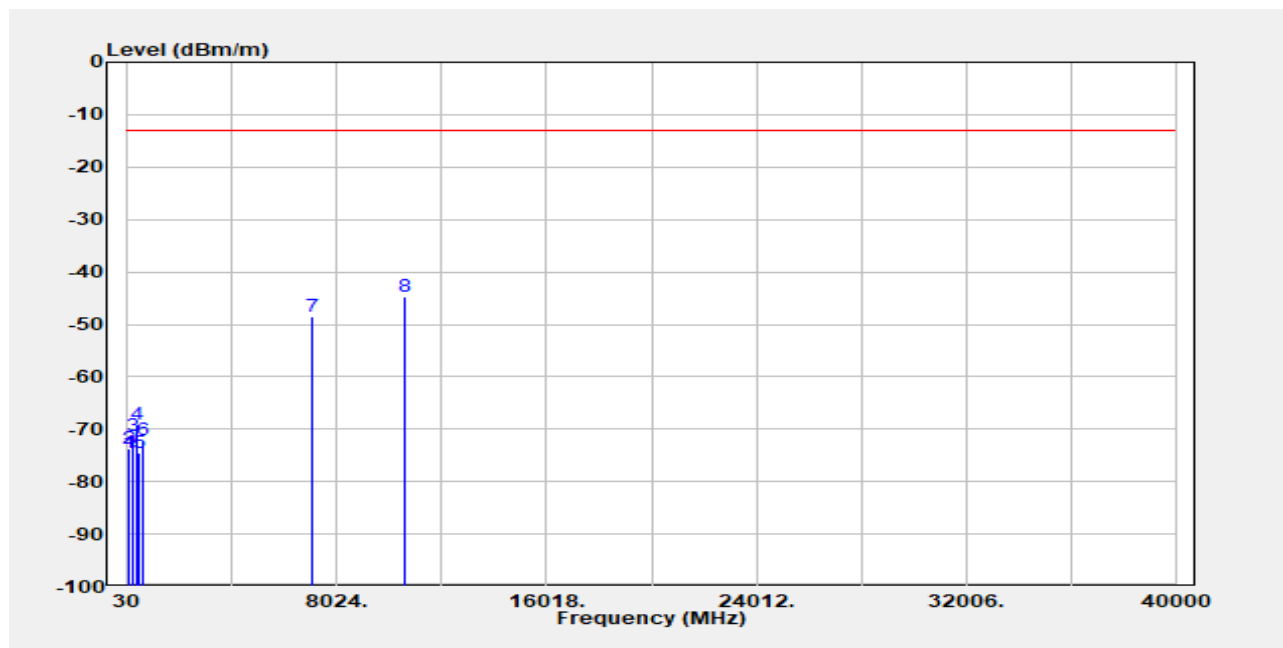
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3529.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.59	-61.76	-12.13	-0.70	-13.00	-61.59
103.72	-73.78	-71.68	-1.07	-1.03	-13.00	-60.78
195.87	-71.23	-73.81	4.01	-1.43	-13.00	-58.23
398.60	-68.98	-71.18	4.32	-2.12	-13.00	-55.98
480.08	-74.50	-76.26	4.21	-2.44	-13.00	-61.50
599.39	-71.98	-72.99	3.66	-2.64	-13.00	-58.98
7059.96	-48.48	-49.95	11.24	-9.77	-13.00	-35.48
10589.94	-44.62	-44.49	11.29	-11.42	-13.00	-31.62

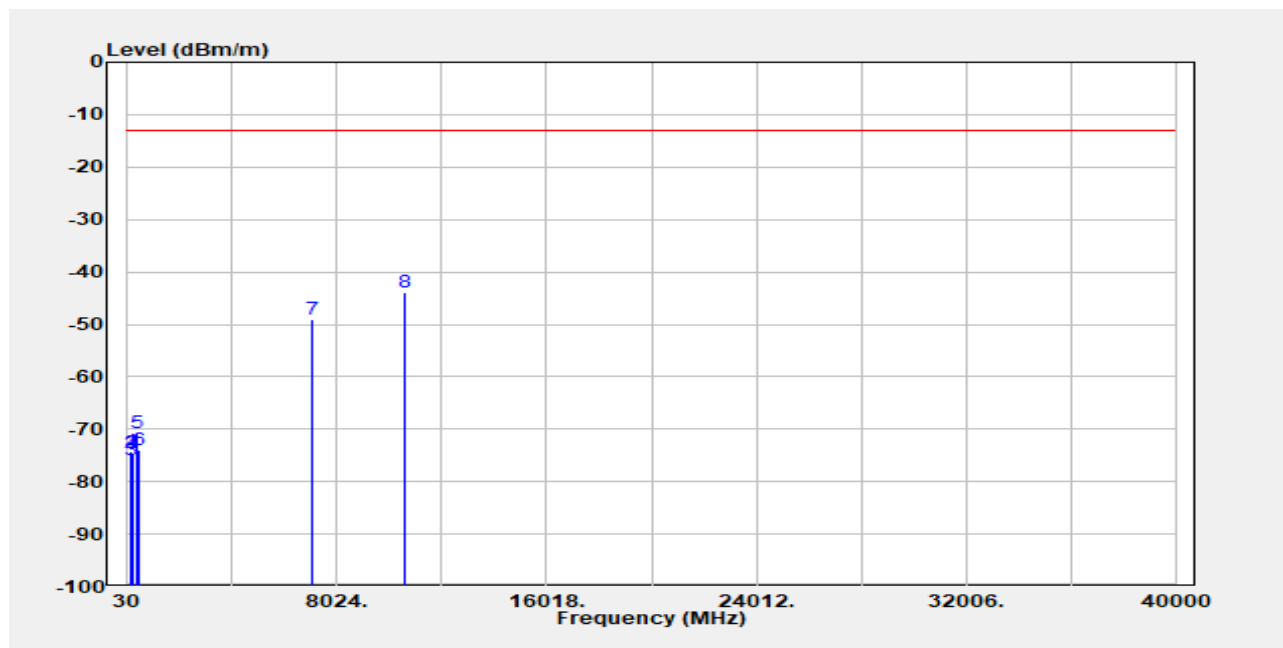
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3529.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-74.23	-71.39	-1.72	-1.12	-13.00	-61.23
127.97	-74.46	-71.41	-1.88	-1.16	-13.00	-61.46
192.96	-75.77	-78.02	3.69	-1.43	-13.00	-62.77
252.13	-74.65	-77.38	4.33	-1.60	-13.00	-61.65
398.60	-70.64	-72.84	4.32	-2.12	-13.00	-57.64
480.08	-74.03	-75.79	4.21	-2.44	-13.00	-61.03
7059.96	-49.06	-50.53	11.24	-9.77	-13.00	-36.06
10589.94	-44.01	-43.88	11.29	-11.42	-13.00	-31.01

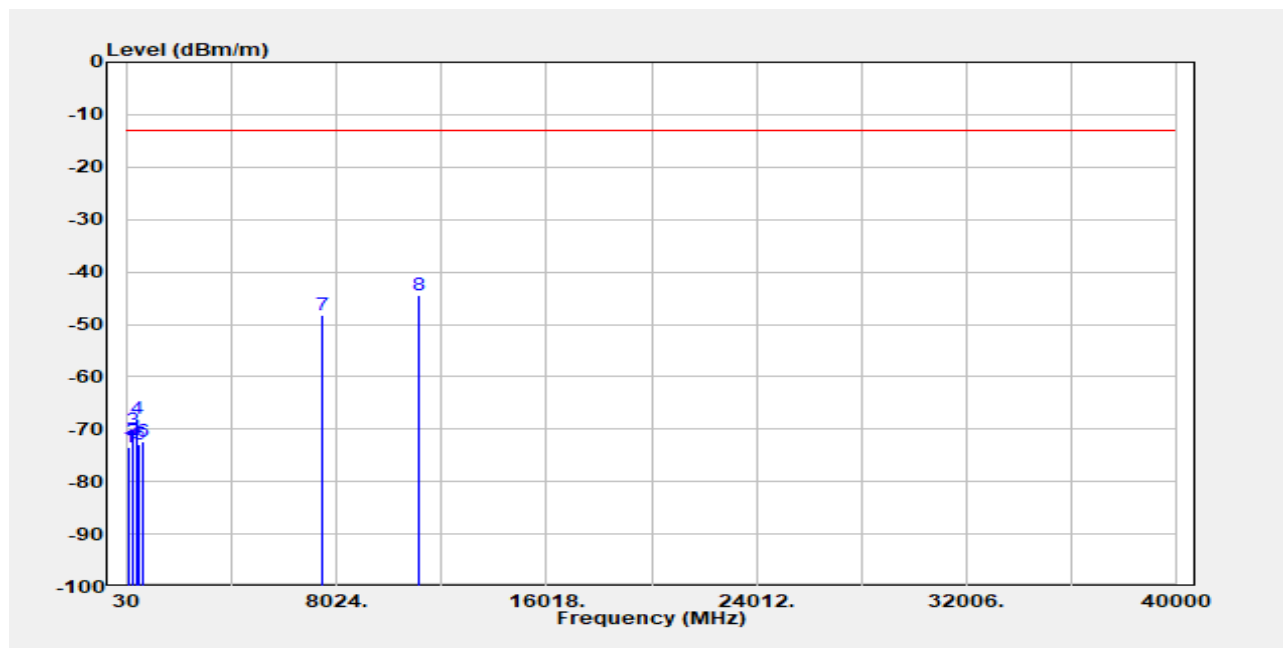
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3715.02 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
52.31	-73.31	-61.32	-11.28	-0.71	-13.00	-60.31
196.84	-71.96	-74.59	4.06	-1.43	-13.00	-58.96
252.13	-70.21	-72.94	4.33	-1.60	-13.00	-57.21
396.66	-67.97	-70.18	4.32	-2.10	-13.00	-54.97
480.08	-72.95	-74.71	4.21	-2.44	-13.00	-59.95
595.51	-72.38	-73.49	3.76	-2.65	-13.00	-59.38
7430.04	-48.14	-50.03	10.94	-9.04	-13.00	-35.14
11145.06	-44.41	-43.50	11.49	-12.40	-13.00	-31.41

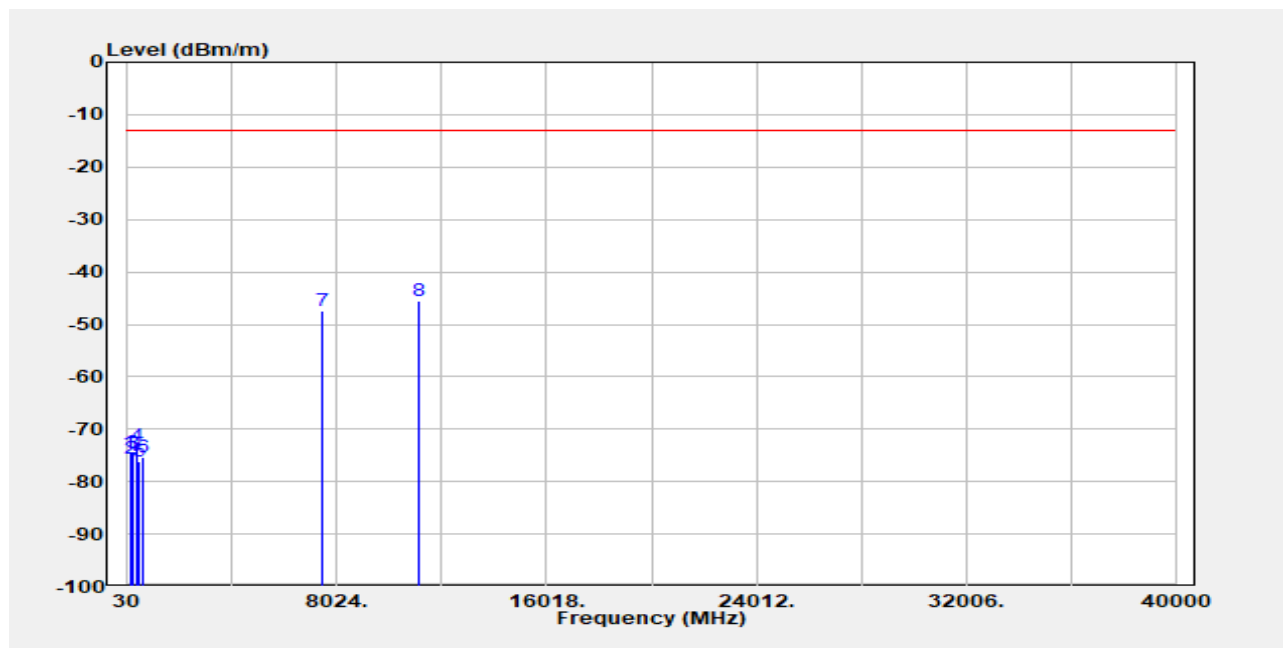
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3715.02 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-74.58	-71.73	-1.73	-1.11	-13.00	-61.58
132.82	-75.68	-72.50	-1.97	-1.21	-13.00	-62.68
252.13	-74.54	-77.27	4.33	-1.60	-13.00	-61.54
395.69	-73.27	-75.49	4.31	-2.09	-13.00	-60.27
490.75	-76.13	-78.14	4.27	-2.26	-13.00	-63.13
616.85	-75.31	-76.40	3.45	-2.35	-13.00	-62.31
7430.04	-47.36	-49.25	10.94	-9.04	-13.00	-34.36
11145.06	-45.60	-44.69	11.49	-12.40	-13.00	-32.60

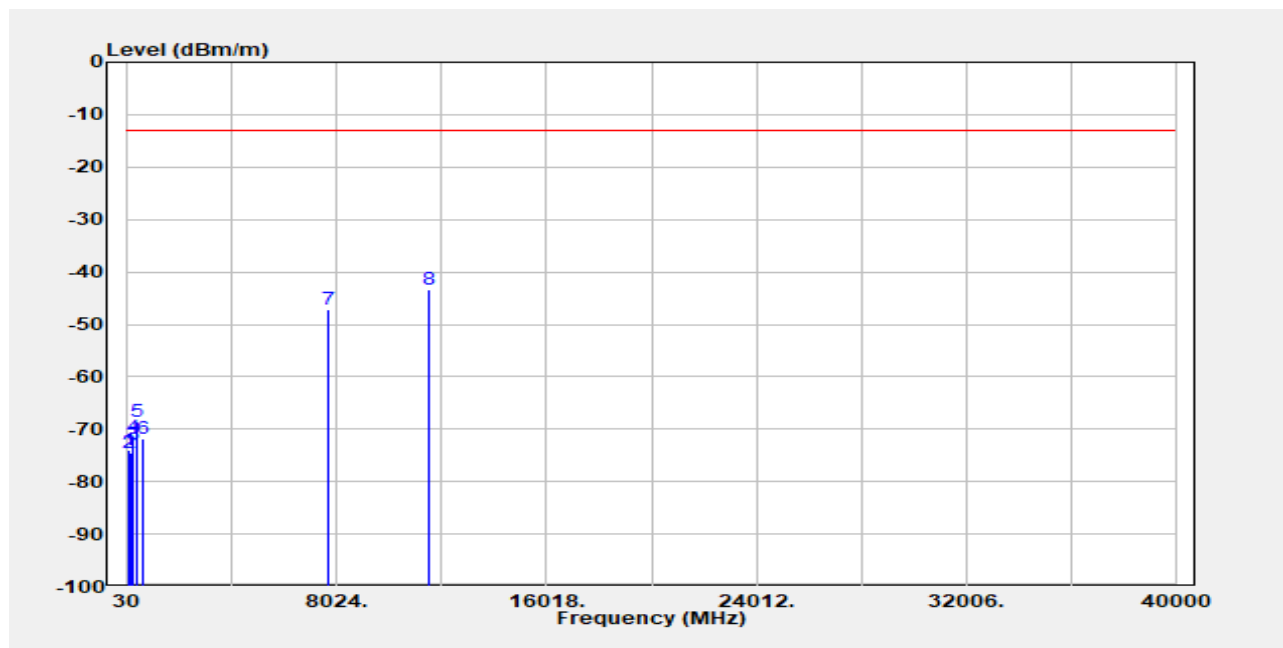
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3840 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.11	-61.28	-12.13	-0.70	-13.00	-61.11
115.36	-74.51	-71.71	-1.71	-1.10	-13.00	-61.51
194.90	-72.80	-75.25	3.88	-1.43	-13.00	-59.80
251.16	-71.57	-74.31	4.33	-1.59	-13.00	-58.57
395.69	-68.69	-70.91	4.31	-2.09	-13.00	-55.69
647.89	-71.94	-73.16	3.61	-2.39	-13.00	-58.94
7680.00	-47.23	-48.77	11.42	-9.88	-13.00	-34.23
11520.00	-43.42	-42.43	11.36	-12.35	-13.00	-30.42

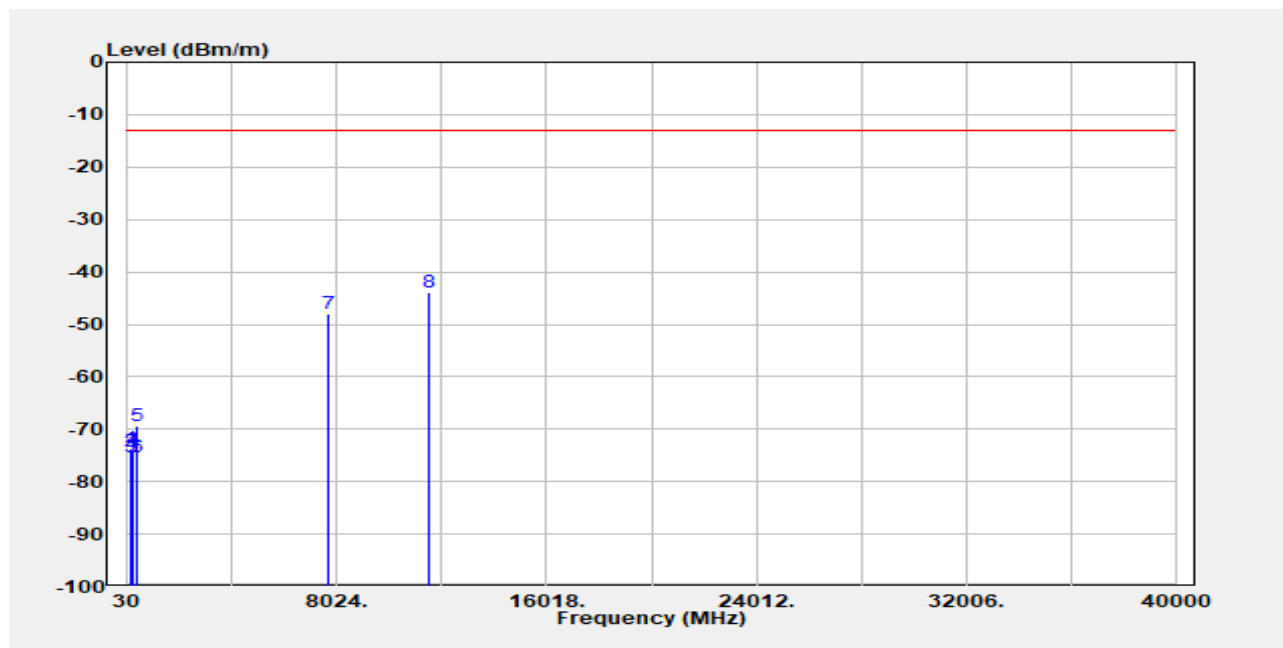
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3840 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-73.77	-70.83	-1.82	-1.12	-13.00	-60.77
127.00	-74.33	-71.13	-2.04	-1.16	-13.00	-61.33
191.99	-75.44	-77.55	3.54	-1.43	-13.00	-62.44
251.16	-74.01	-76.75	4.33	-1.59	-13.00	-61.01
395.69	-69.34	-71.56	4.31	-2.09	-13.00	-56.34
419.94	-75.25	-77.61	4.25	-1.89	-13.00	-62.25
7680.00	-47.98	-49.52	11.42	-9.88	-13.00	-34.98
11520.00	-43.78	-42.78	11.36	-12.35	-13.00	-30.78

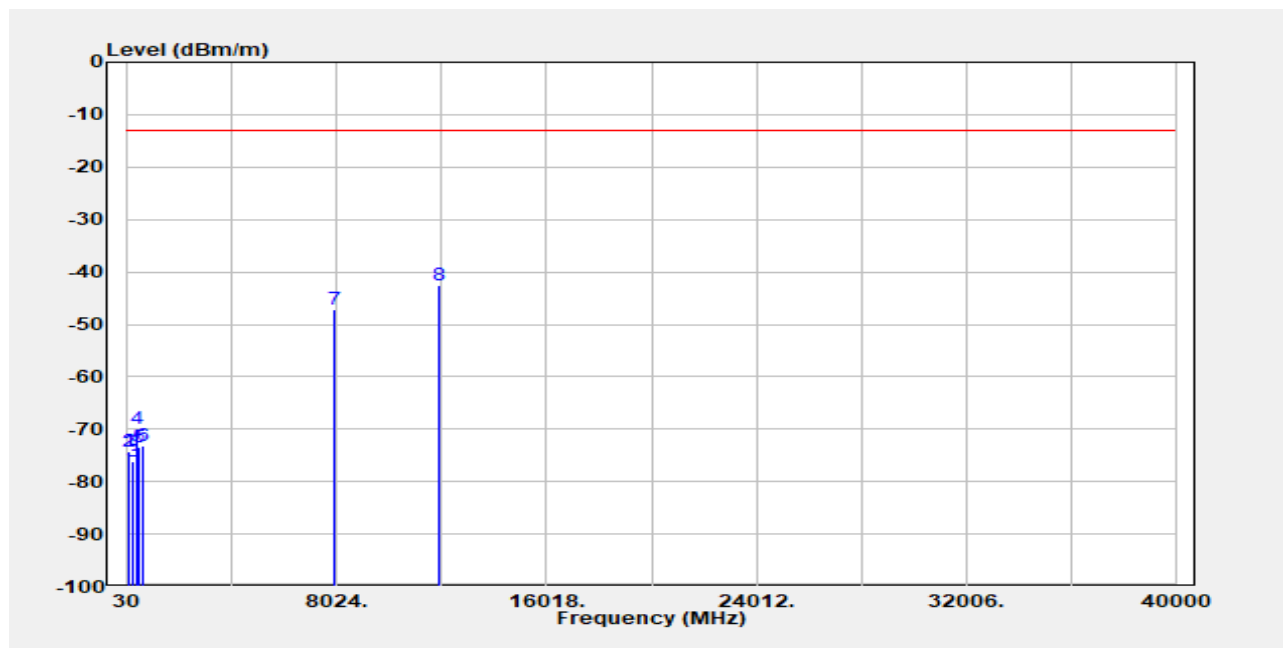
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.35	-61.52	-12.13	-0.70	-13.00	-61.35
107.60	-74.22	-71.75	-1.42	-1.04	-13.00	-61.22
195.87	-76.26	-78.84	4.01	-1.43	-13.00	-63.26
396.66	-69.90	-72.12	4.32	-2.10	-13.00	-56.90
480.08	-73.38	-75.14	4.21	-2.44	-13.00	-60.38
607.15	-73.13	-74.14	3.56	-2.54	-13.00	-60.13
7929.96	-47.14	-47.55	11.08	-10.67	-13.00	-34.14
11894.94	-42.66	-43.10	12.78	-12.34	-13.00	-29.66

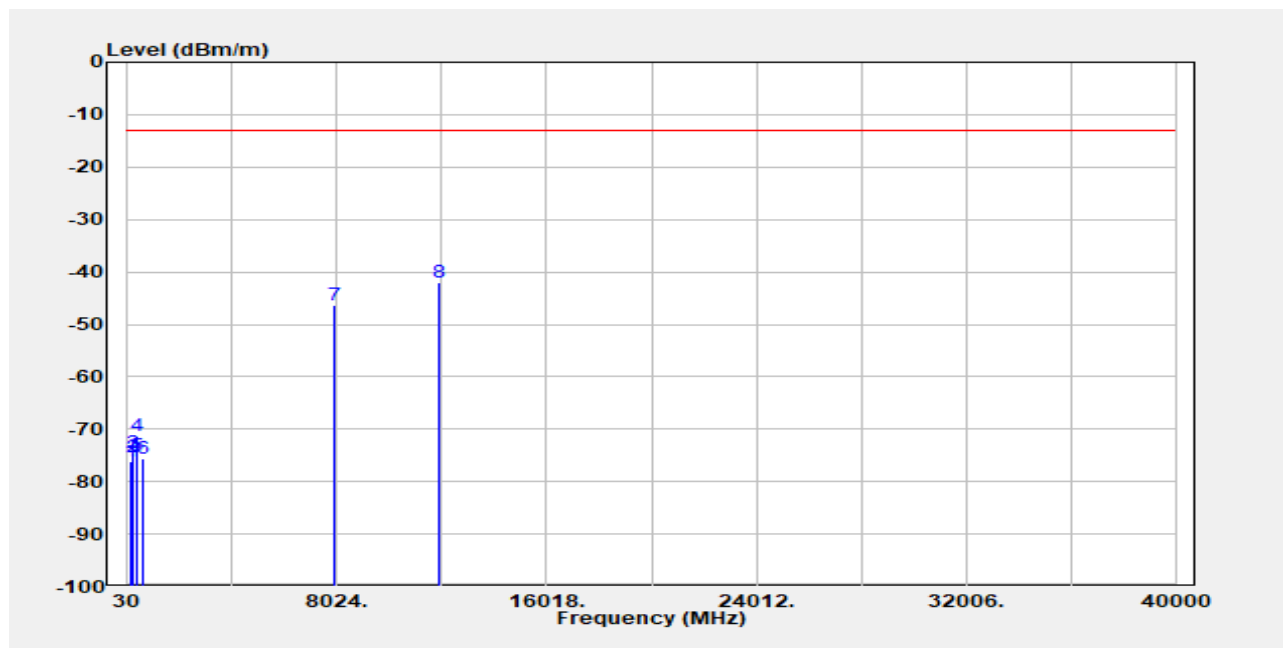
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
128.94	-76.06	-72.89	-2.00	-1.17	-13.00	-63.06
195.87	-75.32	-77.89	4.01	-1.43	-13.00	-62.32
252.13	-74.53	-77.25	4.33	-1.60	-13.00	-61.53
398.60	-71.37	-73.57	4.32	-2.12	-13.00	-58.37
417.03	-75.09	-77.51	4.30	-1.88	-13.00	-62.09
598.42	-75.49	-76.53	3.68	-2.64	-13.00	-62.49
7929.96	-46.34	-46.75	11.08	-10.67	-13.00	-33.34
11894.94	-41.94	-42.38	12.78	-12.34	-13.00	-28.94

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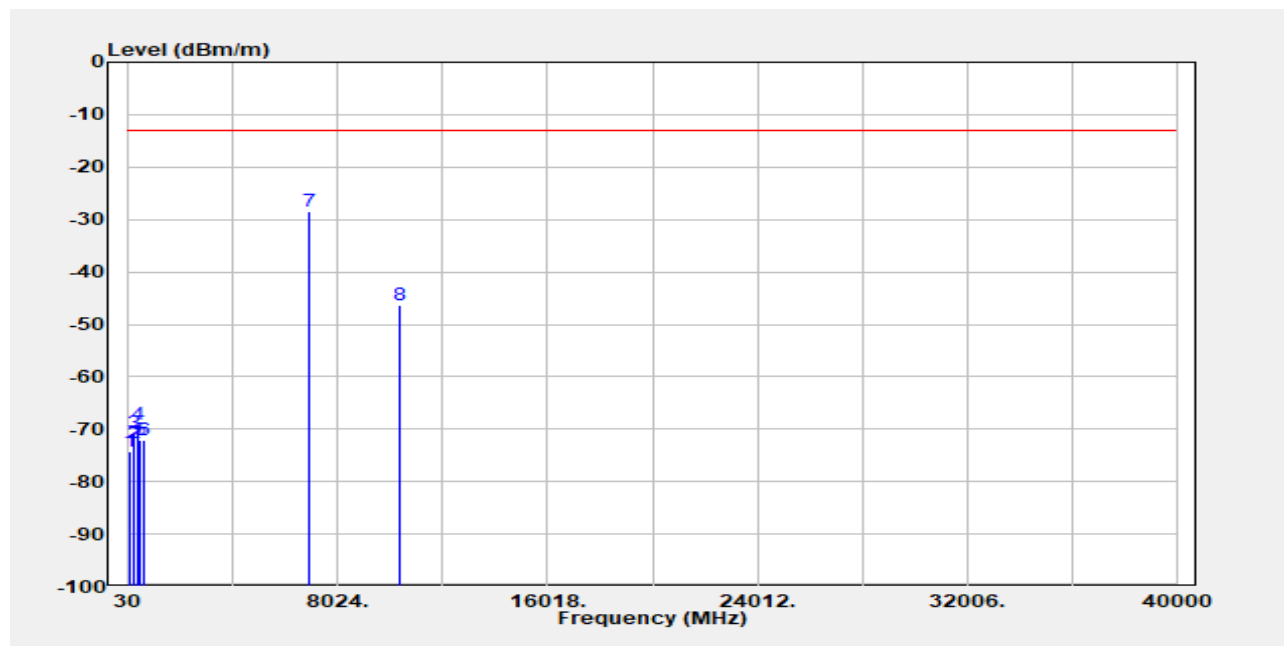
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MIMO

Report Number :ER/2022/30084
 Operation Mode :n77
 Test Mode :Tx CH Low
 EUT Pol :H Plane
 Test Frequency :3470.01 MHz

Test Site :SAC 1
 Test Date :2022-05-11
 Temp./Humi. :20.6/71
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.18	-61.35	-12.13	-0.70	-13.00	-61.18
194.90	-72.55	-74.99	3.88	-1.43	-13.00	-59.55
252.13	-70.74	-73.47	4.33	-1.60	-13.00	-57.74
398.60	-69.20	-71.40	4.32	-2.12	-13.00	-56.20
480.08	-72.21	-73.98	4.21	-2.44	-13.00	-59.21
593.57	-71.99	-73.12	3.78	-2.65	-13.00	-58.99
6940.02	-28.57	-30.50	11.72	-9.79	-13.00	-15.57
10410.03	-46.22	-47.37	11.29	-10.14	-13.00	-33.22

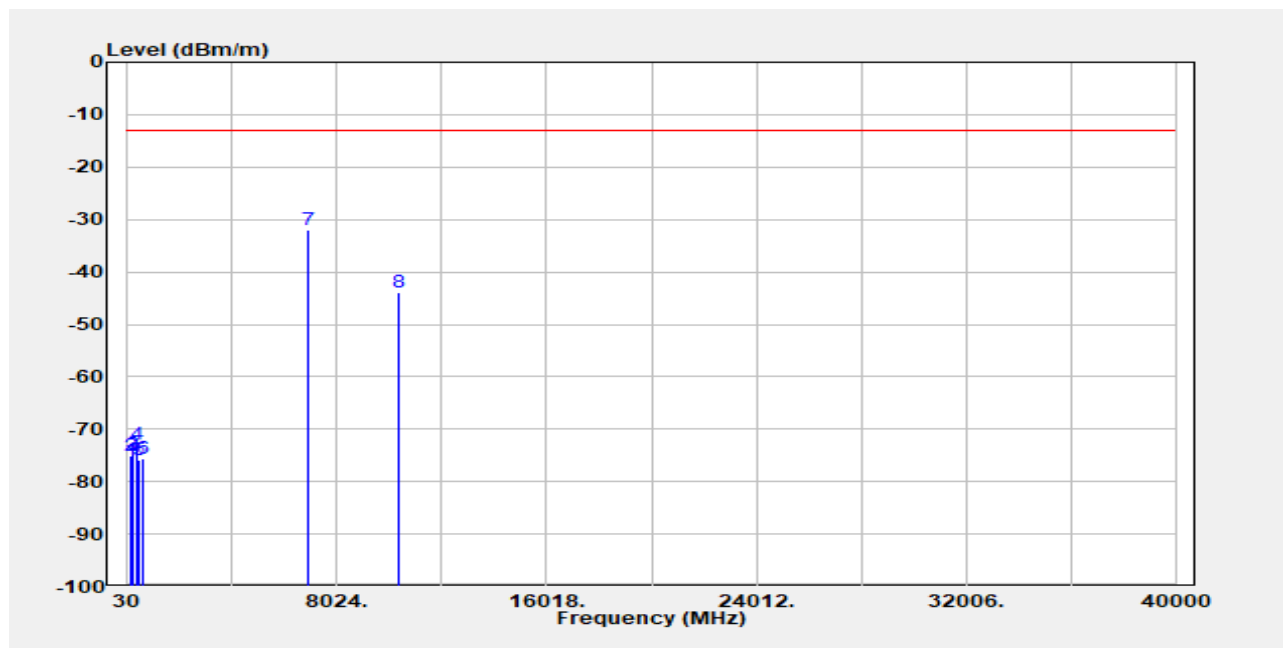
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3470.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-76.00	-73.17	-1.72	-1.12	-13.00	-63.00
130.88	-75.17	-72.00	-1.99	-1.18	-13.00	-62.17
252.13	-74.71	-77.44	4.33	-1.60	-13.00	-61.71
394.72	-72.88	-75.11	4.32	-2.08	-13.00	-59.88
480.08	-75.91	-77.67	4.21	-2.44	-13.00	-62.91
604.24	-75.53	-76.57	3.62	-2.58	-13.00	-62.53
6940.02	-31.97	-33.90	11.72	-9.79	-13.00	-18.97
10410.03	-43.96	-45.11	11.29	-10.14	-13.00	-30.96

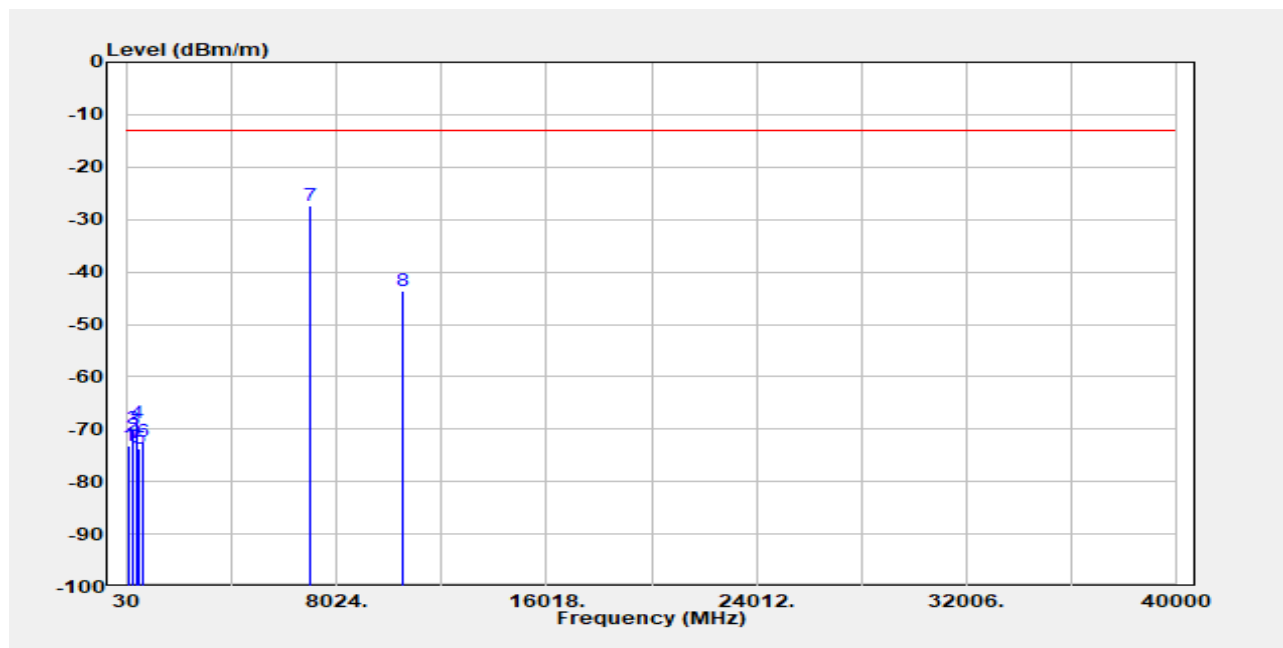
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3500.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.28	-60.45	-12.13	-0.70	-13.00	-60.28
196.84	-71.22	-73.85	4.06	-1.43	-13.00	-58.22
252.13	-69.93	-72.66	4.33	-1.60	-13.00	-56.93
398.60	-68.94	-71.14	4.32	-2.12	-13.00	-55.94
480.08	-73.62	-75.38	4.21	-2.44	-13.00	-60.62
640.13	-72.34	-73.68	3.51	-2.16	-13.00	-59.34
7000.02	-27.48	-29.33	11.50	-9.65	-13.00	-14.48
10500.03	-43.60	-43.89	11.20	-10.92	-13.00	-30.60

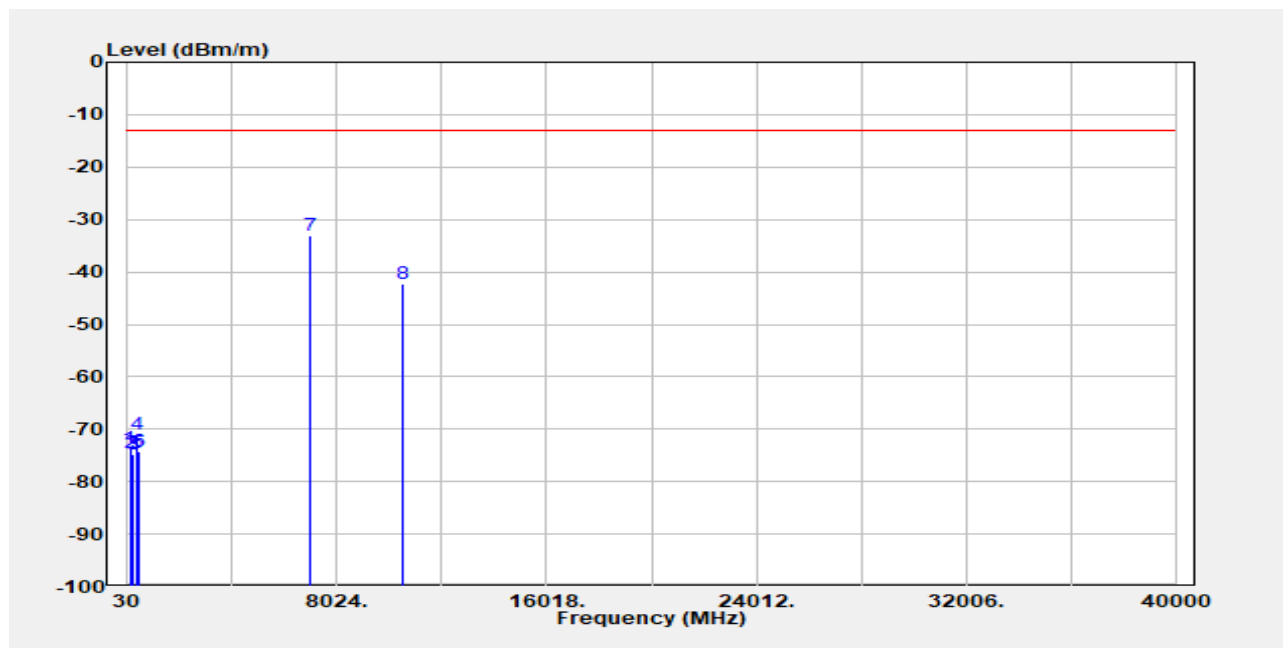
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3500.01 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-73.76	-71.05	-1.61	-1.10	-13.00	-60.76
128.94	-74.66	-71.49	-2.00	-1.17	-13.00	-61.66
252.13	-74.81	-77.54	4.33	-1.60	-13.00	-61.81
394.72	-70.96	-73.20	4.32	-2.08	-13.00	-57.96
424.79	-74.56	-76.67	4.06	-1.95	-13.00	-61.56
480.08	-74.39	-76.15	4.21	-2.44	-13.00	-61.39
7000.02	-32.94	-34.79	11.50	-9.65	-13.00	-19.94
10500.03	-42.37	-42.65	11.20	-10.92	-13.00	-29.37

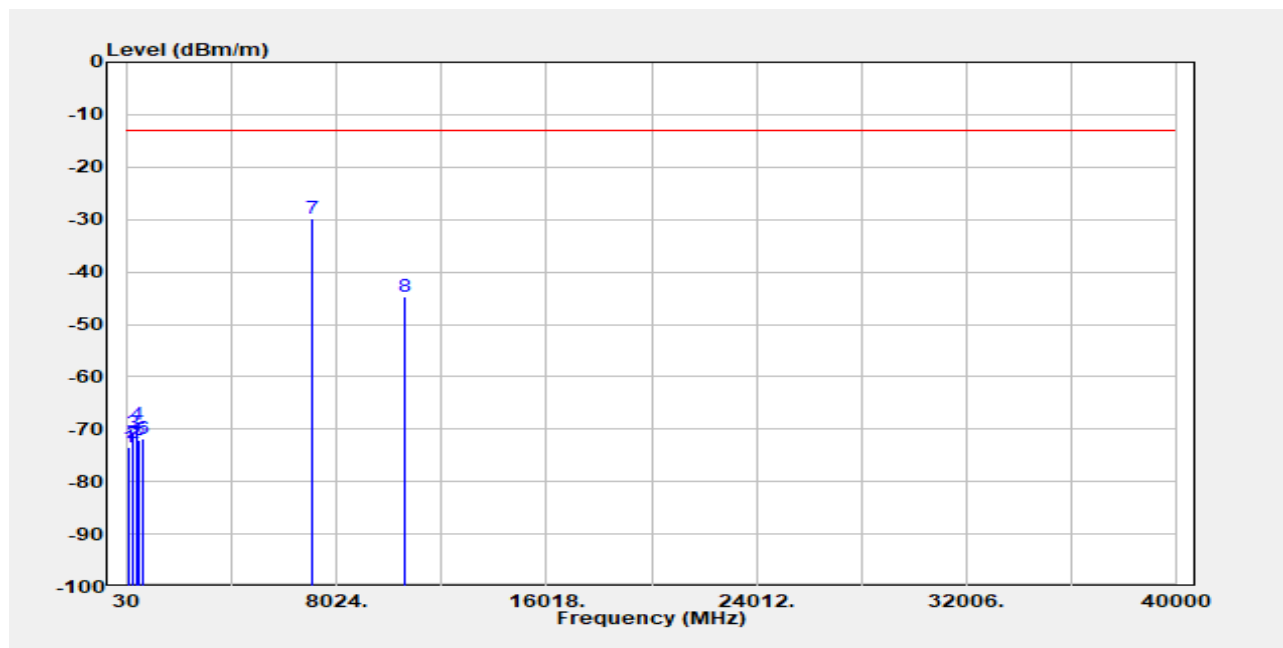
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3529.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.41	-60.58	-12.13	-0.70	-13.00	-60.41
194.90	-72.62	-75.07	3.88	-1.43	-13.00	-59.62
252.13	-70.81	-73.54	4.33	-1.60	-13.00	-57.81
402.48	-68.99	-71.26	4.33	-2.06	-13.00	-55.99
480.08	-72.10	-73.86	4.21	-2.44	-13.00	-59.10
600.36	-71.87	-72.87	3.64	-2.64	-13.00	-58.87
7059.96	-29.87	-31.34	11.24	-9.77	-13.00	-16.87
10589.94	-44.70	-44.58	11.29	-11.42	-13.00	-31.70

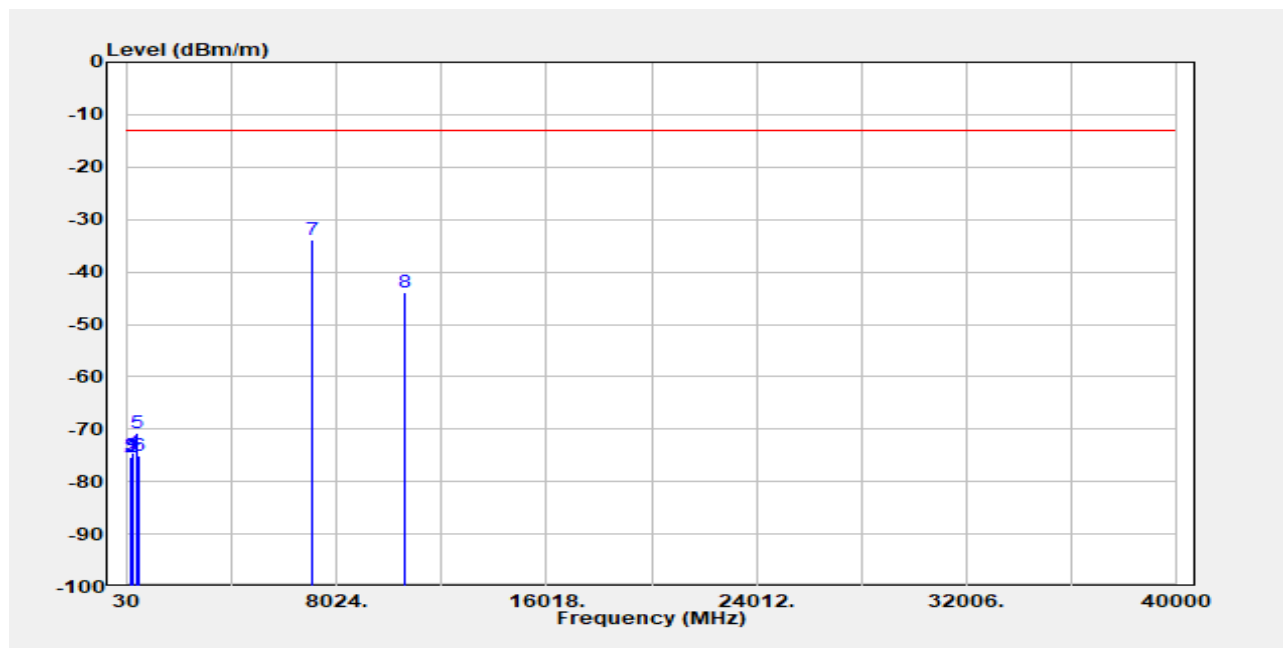
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3529.98 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-75.30	-72.47	-1.72	-1.12	-13.00	-62.30
128.94	-75.27	-72.11	-2.00	-1.17	-13.00	-62.27
191.99	-74.97	-77.08	3.54	-1.43	-13.00	-61.97
252.13	-74.55	-77.28	4.33	-1.60	-13.00	-61.55
397.63	-70.69	-72.89	4.32	-2.11	-13.00	-57.69
480.08	-75.10	-76.87	4.21	-2.44	-13.00	-62.10
7059.96	-33.97	-35.43	11.24	-9.77	-13.00	-20.97
10589.94	-43.87	-43.74	11.29	-11.42	-13.00	-30.87

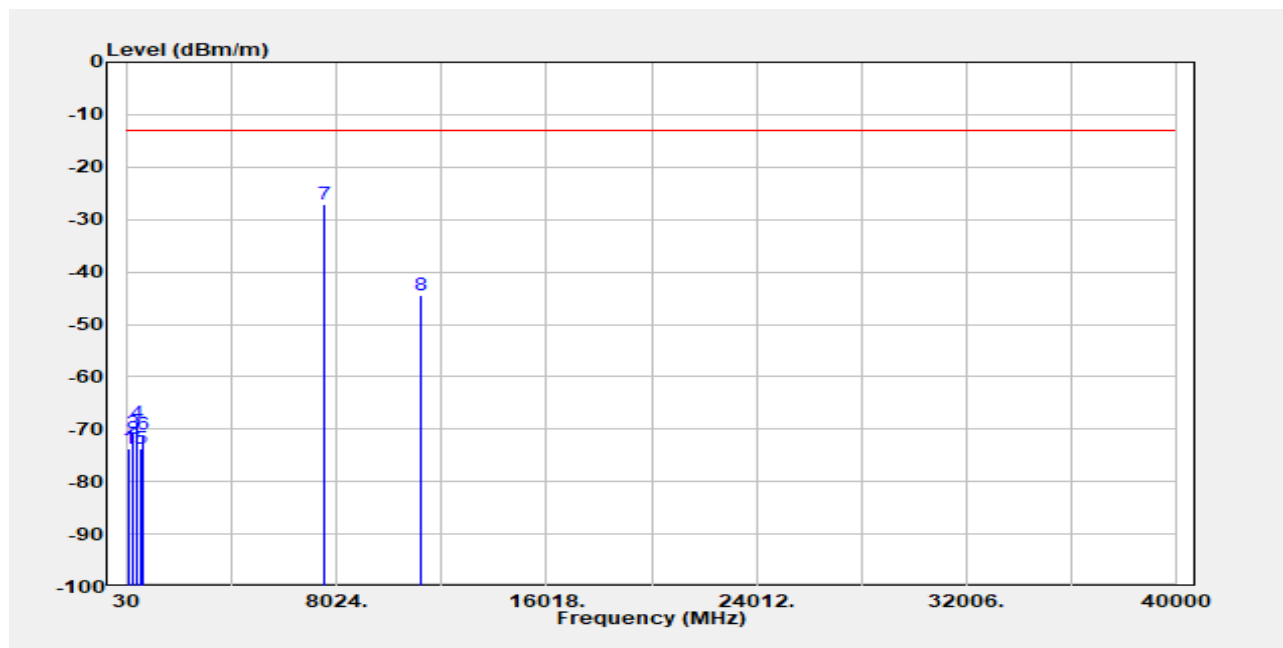
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3750 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-73.80	-61.17	-11.93	-0.70	-13.00	-60.80
197.81	-71.71	-74.47	4.19	-1.43	-13.00	-58.71
253.10	-70.84	-73.56	4.32	-1.60	-13.00	-57.84
395.69	-68.74	-70.96	4.31	-2.09	-13.00	-55.74
539.25	-73.66	-75.72	4.40	-2.34	-13.00	-60.66
604.24	-71.00	-72.03	3.62	-2.58	-13.00	-58.00
7500.00	-27.23	-29.05	11.00	-9.18	-13.00	-14.23
11250.00	-44.48	-43.95	11.60	-12.13	-13.00	-31.48

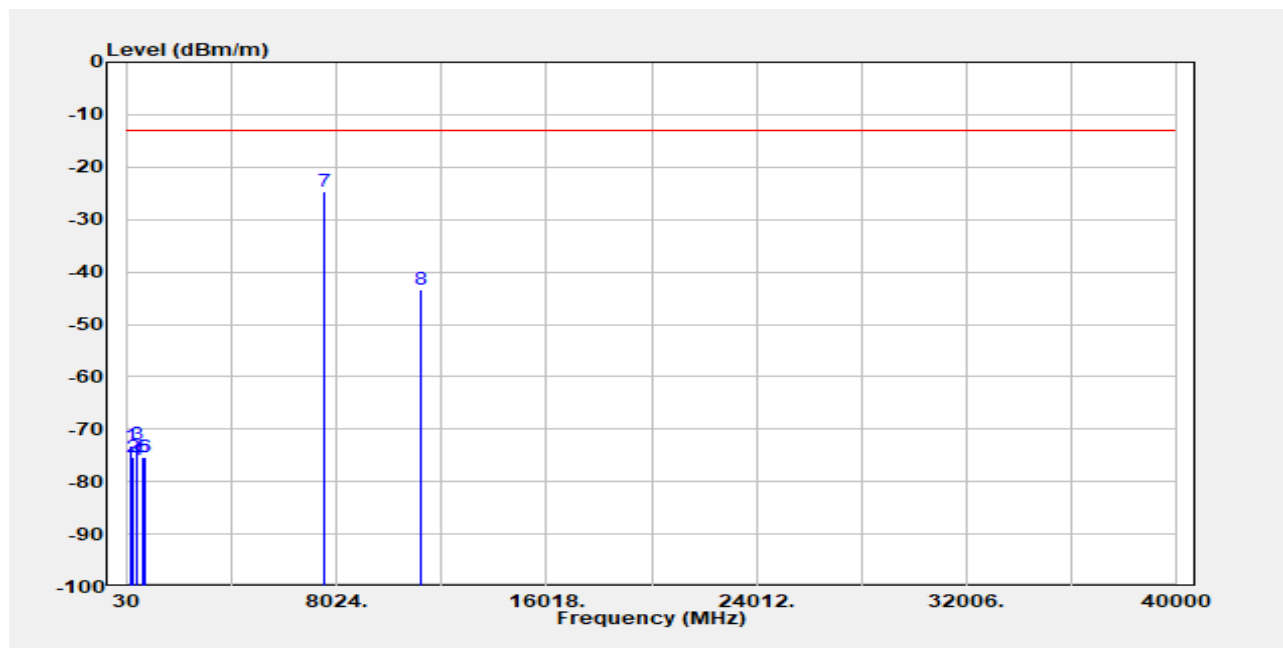
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Low
EUT Pol :H Plane
Test Frequency :3750 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-73.18	-70.35	-1.72	-1.12	-13.00	-60.18
253.10	-75.27	-77.99	4.32	-1.60	-13.00	-62.27
394.72	-72.80	-75.04	4.32	-2.08	-13.00	-59.80
420.91	-75.80	-78.11	4.21	-1.90	-13.00	-62.80
604.24	-75.47	-76.50	3.62	-2.58	-13.00	-62.47
690.57	-75.44	-76.18	3.75	-3.02	-13.00	-62.44
7500.00	-24.69	-26.52	11.00	-9.18	-13.00	-11.69
11250.00	-43.45	-42.92	11.60	-12.13	-13.00	-30.45

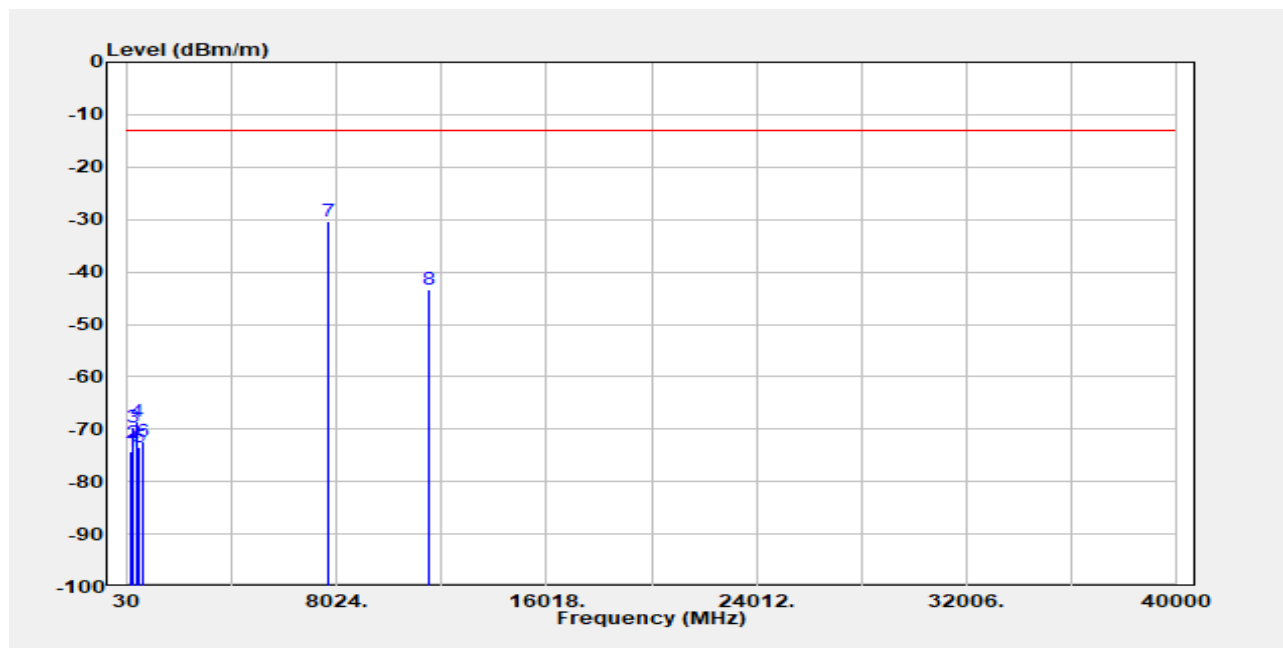
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3840 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
120.21	-74.28	-71.35	-1.80	-1.13	-13.00	-61.28
195.87	-72.58	-75.16	4.01	-1.43	-13.00	-59.58
253.10	-69.75	-72.46	4.32	-1.60	-13.00	-56.75
398.60	-68.66	-70.86	4.32	-2.12	-13.00	-55.66
480.08	-73.33	-75.09	4.21	-2.44	-13.00	-60.33
591.63	-72.23	-73.37	3.79	-2.65	-13.00	-59.23
7680.00	-30.38	-31.92	11.42	-9.88	-13.00	-17.38
11520.00	-43.48	-42.49	11.36	-12.35	-13.00	-30.48

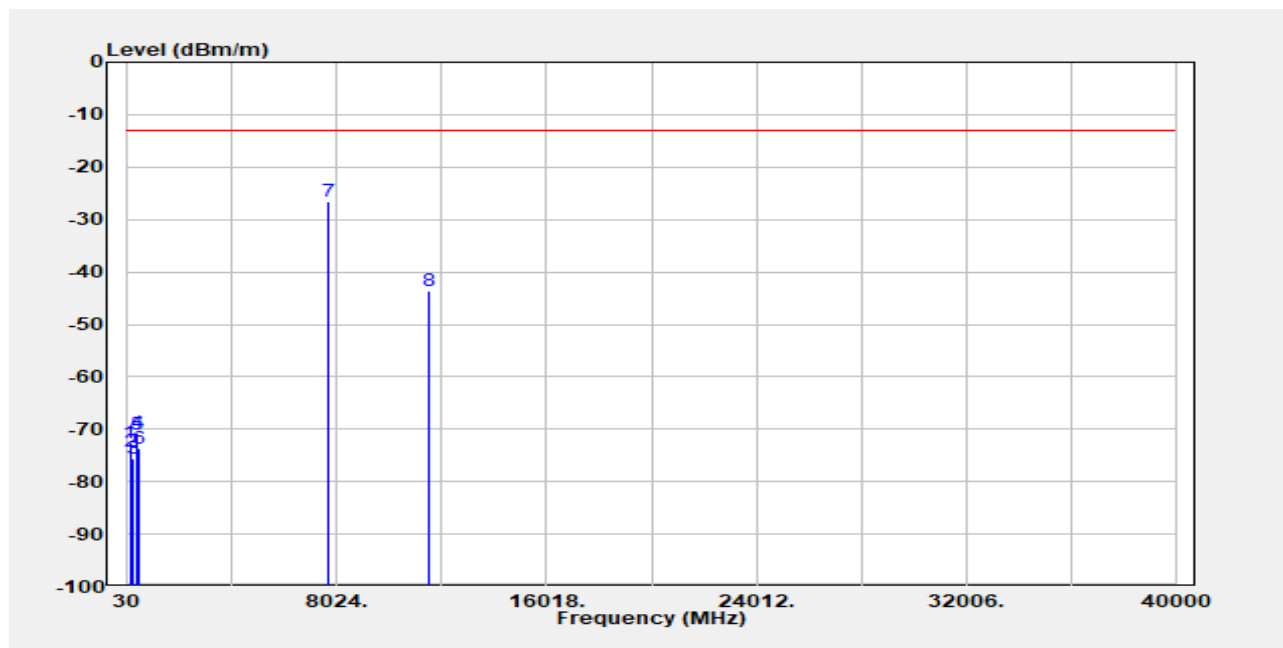
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH Mid
EUT Pol :H Plane
Test Frequency :3840 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-72.58	-69.87	-1.61	-1.10	-13.00	-59.58
127.97	-74.14	-71.09	-1.88	-1.16	-13.00	-61.14
194.90	-75.66	-78.11	3.88	-1.43	-13.00	-62.66
393.75	-70.64	-72.90	4.33	-2.08	-13.00	-57.64
399.57	-71.04	-73.23	4.32	-2.13	-13.00	-58.04
480.08	-73.72	-75.48	4.21	-2.44	-13.00	-60.72
7680.00	-26.54	-28.09	11.42	-9.88	-13.00	-13.54
11520.00	-43.64	-42.65	11.36	-12.35	-13.00	-30.64

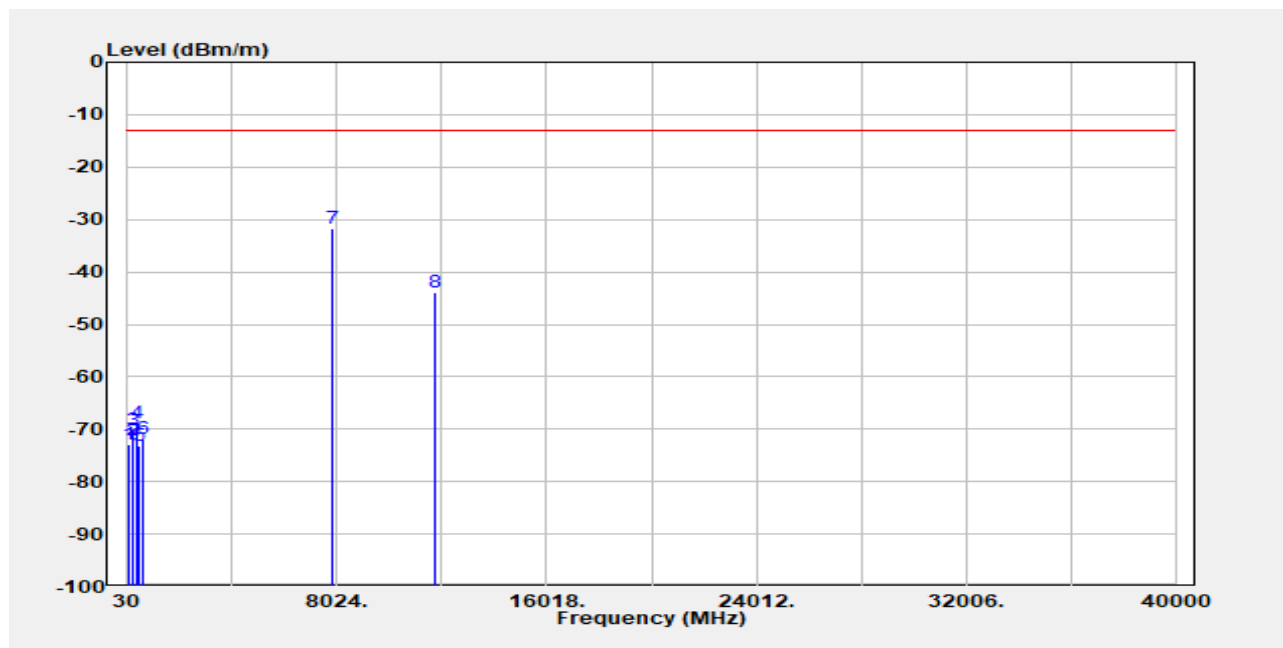
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3930 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-72.92	-60.09	-12.13	-0.70	-13.00	-59.92
195.87	-72.10	-74.67	4.01	-1.43	-13.00	-59.10
253.10	-70.10	-72.81	4.32	-1.60	-13.00	-57.10
397.63	-68.91	-71.12	4.32	-2.11	-13.00	-55.91
480.08	-73.13	-74.89	4.21	-2.44	-13.00	-60.13
595.51	-71.80	-72.91	3.76	-2.65	-13.00	-58.80
7860.00	-31.59	-32.24	11.28	-10.62	-13.00	-18.59
11790.00	-43.87	-44.06	12.47	-12.28	-13.00	-30.87

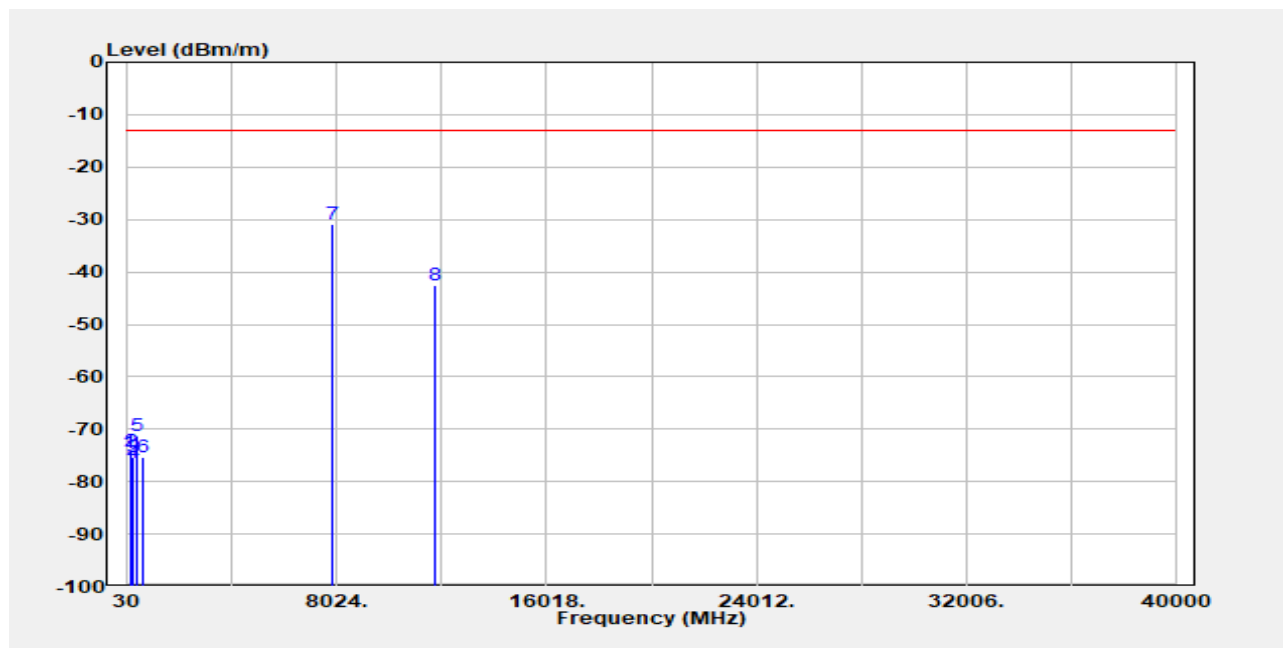
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Report Number :ER/2022/30084
Operation Mode :n77
Test Mode :Tx CH High
EUT Pol :H Plane
Test Frequency :3930 MHz

Test Site :SAC 1
Test Date :2022-05-11
Temp./Humi. :20.6/71
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-74.50	-71.70	-1.71	-1.10	-13.00	-61.50
161.92	-74.31	-72.03	-1.03	-1.25	-13.00	-61.31
197.81	-75.22	-77.98	4.19	-1.43	-13.00	-62.22
252.13	-76.33	-79.05	4.33	-1.60	-13.00	-63.33
393.75	-71.21	-73.47	4.33	-2.08	-13.00	-58.21
644.01	-75.37	-76.65	3.56	-2.28	-13.00	-62.37
7860.00	-30.88	-31.53	11.28	-10.62	-13.00	-17.88
11790.00	-42.63	-42.82	12.47	-12.28	-13.00	-29.63

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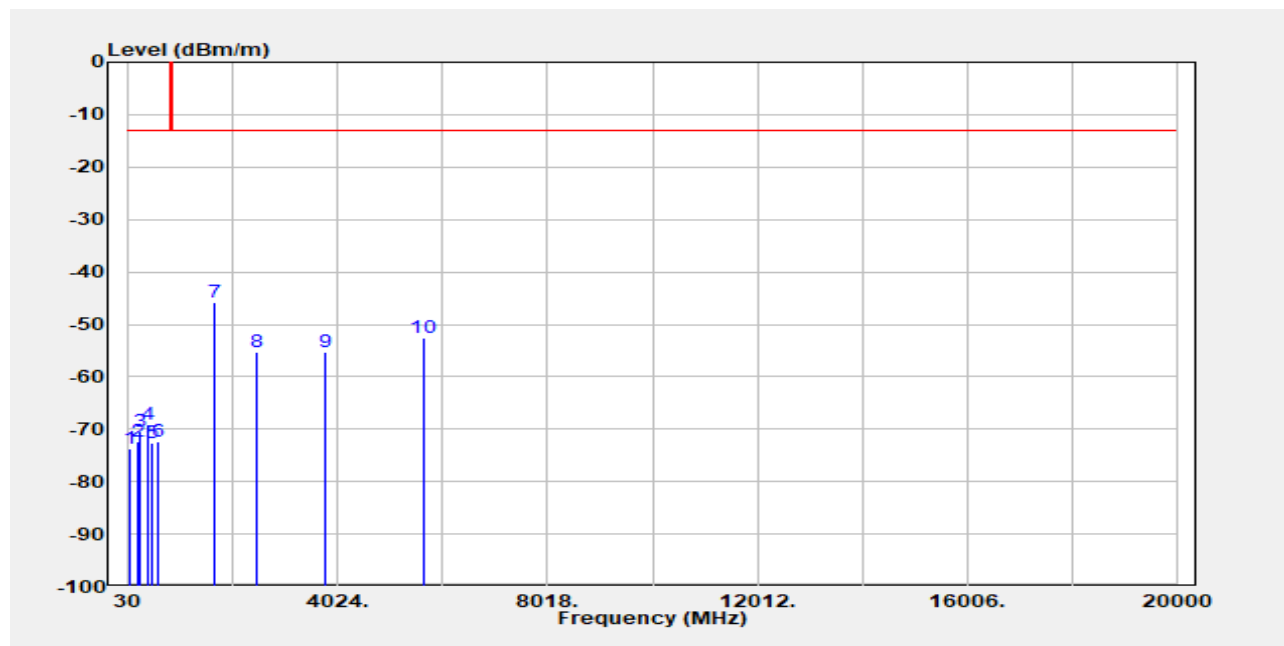
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ENDC

Report Number :ER/2022/30084
 Operation Mode :5A_n2A
 Test Mode :Tx CH Low_Mid
 EUT Pol :H Plane
 Test Frequency :829_1880 MHz

Test Site :SAC 1
 Test Date :2022-05-12
 Temp./Humi. :25.7/70
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.62	-60.79	-12.13	-0.70	-13.00	-60.62
194.90	-72.44	-74.88	3.88	-1.43	-13.00	-59.44
252.13	-70.48	-73.20	4.33	-1.60	-13.00	-57.48
394.72	-68.97	-71.20	4.32	-2.08	-13.00	-55.97
480.08	-72.57	-74.33	4.21	-2.44	-13.00	-59.57
607.15	-72.33	-73.35	3.56	-2.54	-13.00	-59.33
1658.00	-45.89	-51.14	9.52	-4.27	-13.00	-32.89
2487.00	-55.33	-60.73	10.57	-5.18	-13.00	-42.32
3760.00	-55.39	-60.16	12.40	-7.63	-13.00	-42.38
5640.00	-52.60	-56.37	13.00	-9.23	-13.00	-39.59

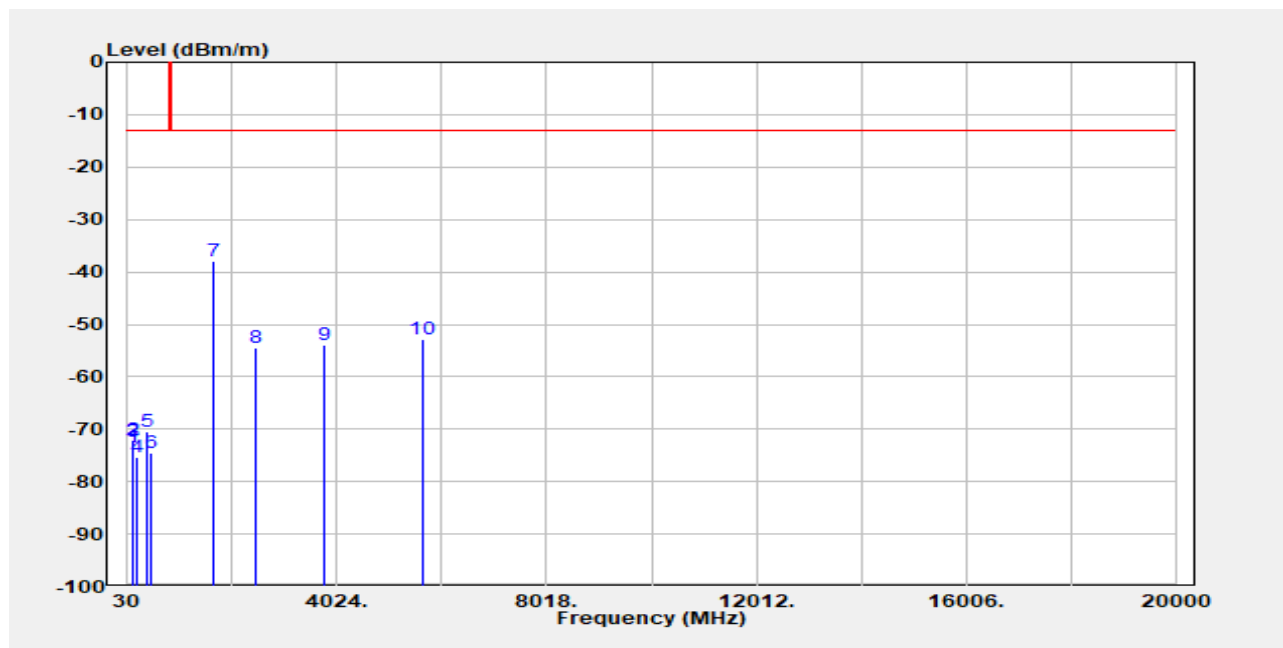
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Report Number :ER/2022/30084
Operation Mode :5A_n2A
Test Mode :Tx CH Low_Mid
EUT Pol :H Plane
Test Frequency :829_1880 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-73.57	-70.86	-1.61	-1.10	-13.00	-60.57
139.61	-72.13	-68.79	-2.02	-1.32	-13.00	-59.13
147.37	-72.31	-69.27	-1.85	-1.19	-13.00	-59.31
194.90	-75.37	-77.81	3.88	-1.43	-13.00	-62.37
397.63	-70.40	-72.61	4.32	-2.11	-13.00	-57.40
480.08	-74.66	-76.42	4.21	-2.44	-13.00	-61.66
1658.00	-37.81	-43.06	9.52	-4.27	-13.00	-24.81
2487.00	-54.54	-59.93	10.57	-5.18	-13.00	-41.54
3760.00	-53.94	-58.70	12.40	-7.63	-13.00	-40.94
5640.00	-52.78	-56.55	13.00	-9.23	-13.00	-39.78

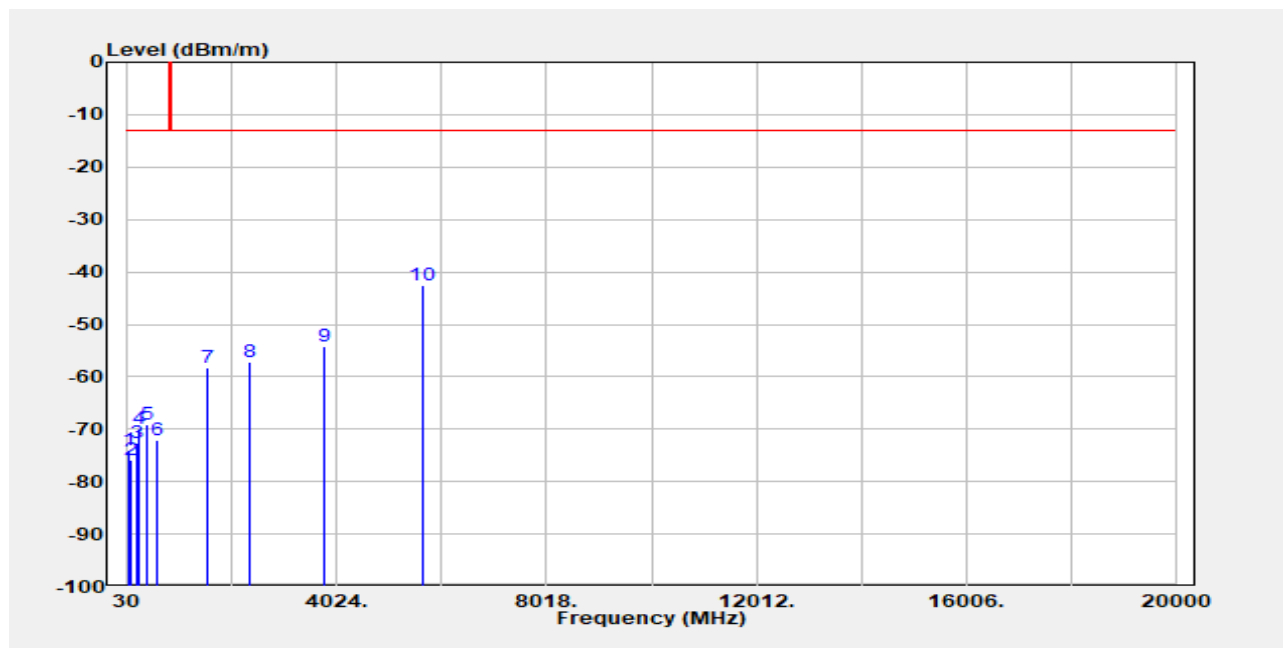
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Report Number :ER/2022/30084
Operation Mode :13A_n2A
Test Mode :Tx CH Mid_Mid
EUT Pol :H Plane
Test Frequency :782_1880 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.94	-61.11	-12.13	-0.70	-13.00	-60.94
103.72	-75.78	-73.67	-1.07	-1.03	-13.00	-62.78
194.90	-72.65	-75.09	3.88	-1.43	-13.00	-59.65
252.13	-69.90	-72.63	4.33	-1.60	-13.00	-56.90
399.57	-69.15	-71.34	4.32	-2.13	-13.00	-56.15
594.54	-72.21	-73.34	3.77	-2.65	-13.00	-59.21
1564.00	-58.30	-63.38	9.18	-4.10	-13.00	-45.30
2346.00	-57.31	-61.88	9.58	-5.01	-13.00	-44.31
3760.00	-54.23	-59.00	12.40	-7.63	-13.00	-41.23
5640.00	-42.43	-46.20	13.00	-9.23	-13.00	-29.43

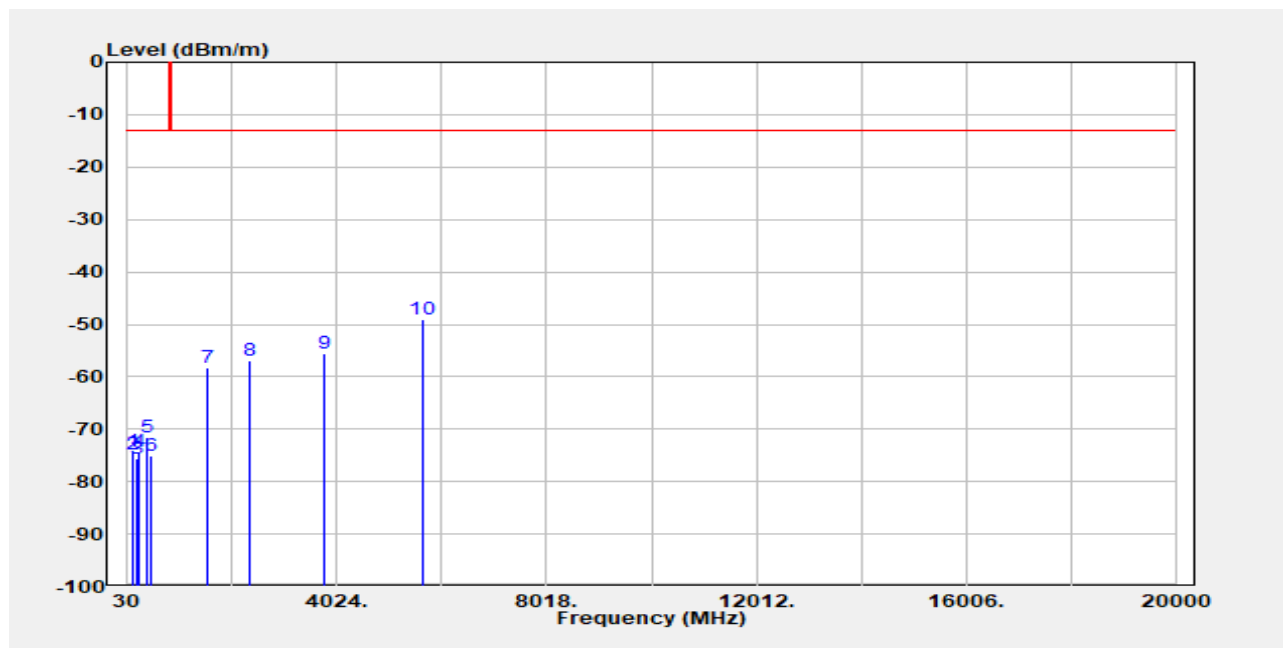
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Report Number :ER/2022/30084
Operation Mode :13A_n2A
Test Mode :Tx CH Mid_Mid
EUT Pol :H Plane
Test Frequency :782_1880 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-74.15	-71.35	-1.71	-1.10	-13.00	-61.15
132.82	-74.87	-71.68	-1.97	-1.21	-13.00	-61.87
197.81	-75.60	-78.35	4.19	-1.43	-13.00	-62.60
253.10	-74.27	-76.98	4.32	-1.60	-13.00	-61.27
393.75	-71.52	-73.77	4.33	-2.08	-13.00	-58.52
480.08	-75.18	-76.94	4.21	-2.44	-13.00	-62.18
1564.00	-58.14	-63.22	9.18	-4.10	-13.00	-45.14
2346.00	-56.81	-61.38	9.58	-5.01	-13.00	-43.81
3760.00	-55.43	-60.20	12.40	-7.63	-13.00	-42.43
5640.00	-48.94	-52.71	13.00	-9.23	-13.00	-35.94

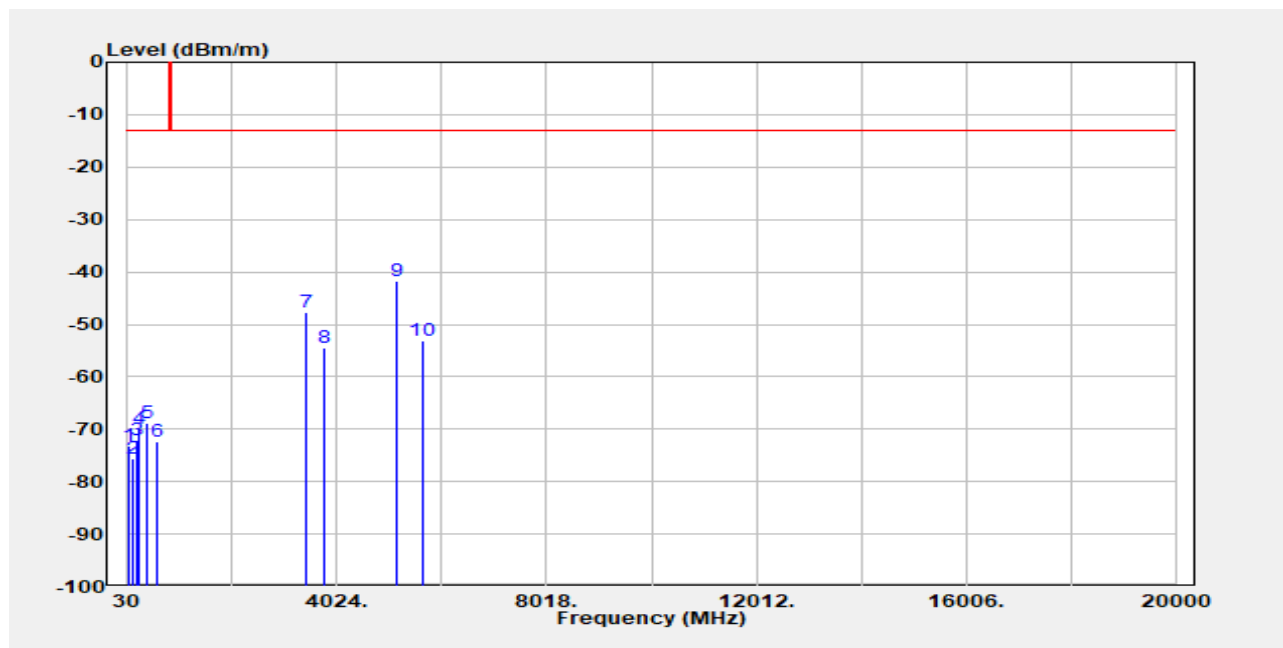
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Report Number :ER/2022/30084
Operation Mode :66A_n2A
Test Mode :Tx CH Low_Mid
EUT Pol :H Plane
Test Frequency :1720_1880 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.07	-60.24	-12.13	-0.70	-13.00	-60.07
124.09	-75.72	-72.72	-1.85	-1.15	-13.00	-62.72
195.87	-72.00	-74.58	4.01	-1.43	-13.00	-59.00
252.13	-69.96	-72.69	4.33	-1.60	-13.00	-56.96
398.60	-68.76	-70.96	4.32	-2.12	-13.00	-55.76
597.45	-72.39	-73.45	3.71	-2.65	-13.00	-59.39
3440.00	-47.79	-54.37	12.52	-5.95	-13.00	-34.79
3760.00	-54.35	-59.12	12.40	-7.63	-13.00	-41.35
5160.00	-41.74	-45.97	12.16	-7.93	-13.00	-28.74
5640.00	-53.03	-56.80	13.00	-9.23	-13.00	-40.03

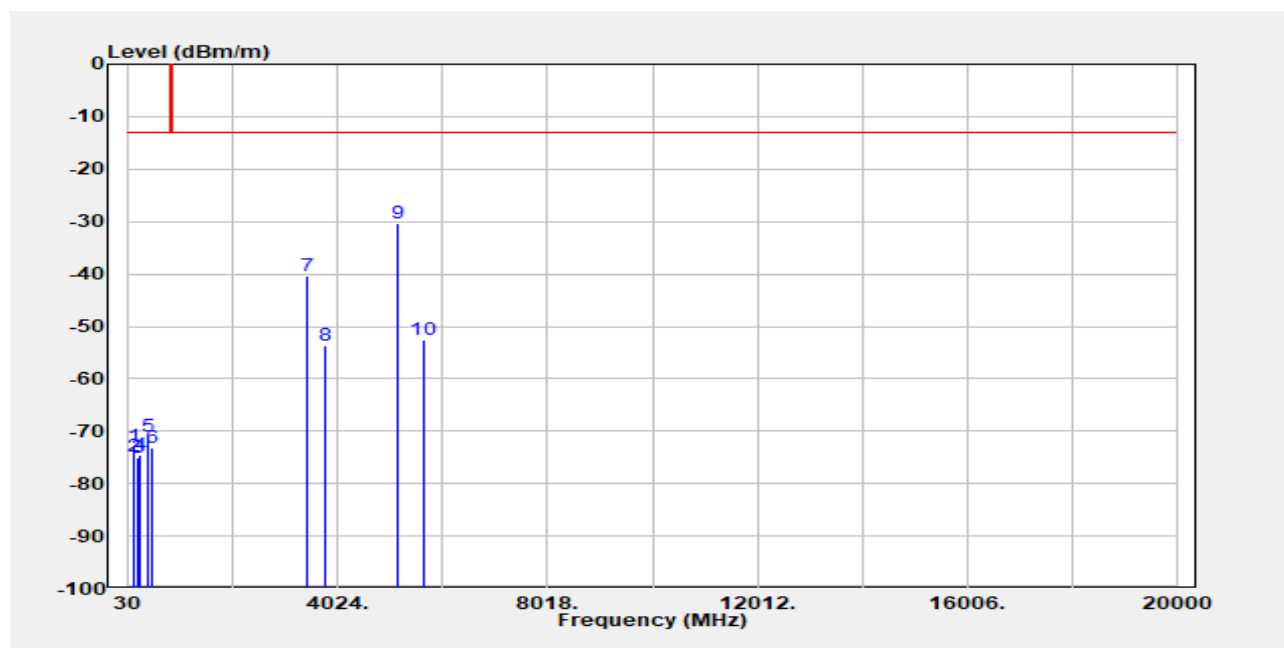
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Report Number :ER/2022/30084
Operation Mode :66A_n2A
Test Mode :Tx CH Low_Mid
EUT Pol :H Plane
Test Frequency :1720_1880 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
119.24	-72.79	-69.85	-1.82	-1.12	-13.00	-59.79
128.94	-74.86	-71.69	-2.00	-1.17	-13.00	-61.86
194.90	-74.96	-77.40	3.88	-1.43	-13.00	-61.96
252.13	-74.59	-77.32	4.33	-1.60	-13.00	-61.59
393.75	-70.99	-73.24	4.33	-2.08	-13.00	-57.99
480.08	-73.14	-74.90	4.21	-2.44	-13.00	-60.14
3440.00	-40.49	-47.06	12.52	-5.95	-13.00	-27.49
3760.00	-53.63	-58.39	12.40	-7.63	-13.00	-40.63
5160.00	-30.38	-34.61	12.16	-7.93	-13.00	-17.38
5640.00	-52.70	-56.47	13.00	-9.23	-13.00	-39.70

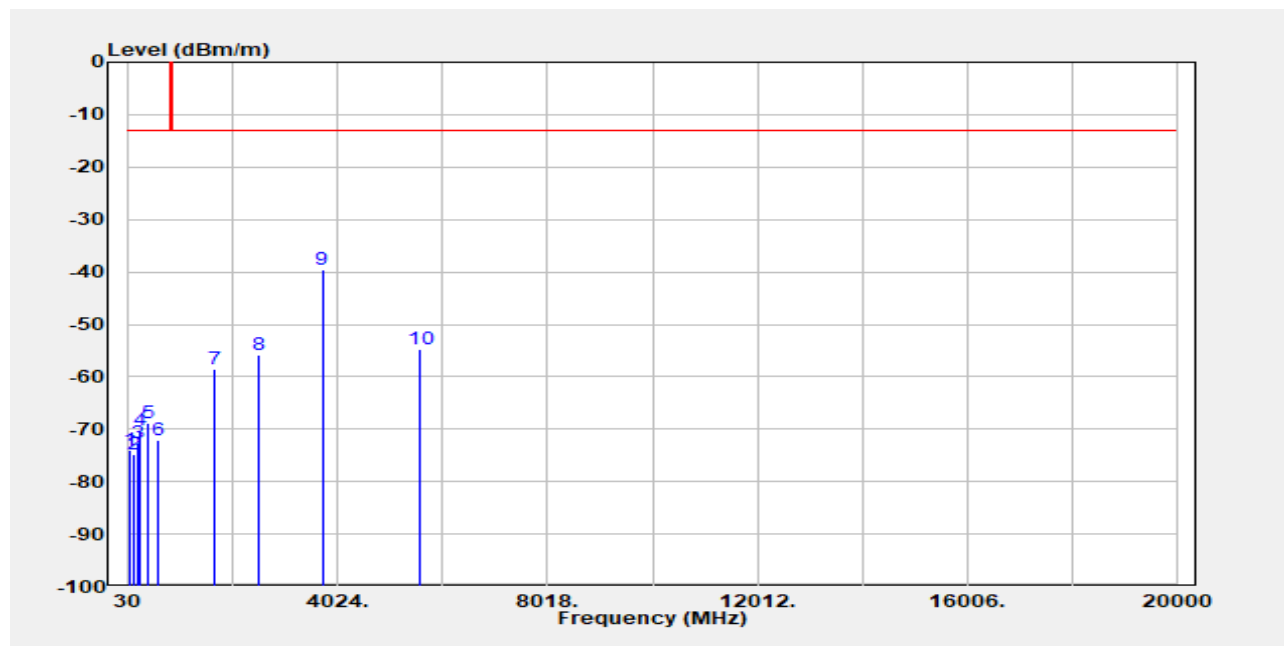
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Report Number :ER/2022/30084
Operation Mode :2A_n5A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1860_831.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.88	-61.05	-12.13	-0.70	-13.00	-60.88
117.30	-74.76	-71.92	-1.73	-1.11	-13.00	-61.76
194.90	-72.57	-75.02	3.88	-1.43	-13.00	-59.57
253.10	-70.31	-73.03	4.32	-1.60	-13.00	-57.31
397.63	-68.80	-71.00	4.32	-2.11	-13.00	-55.80
603.27	-71.96	-72.99	3.62	-2.60	-13.00	-58.96
1663.00	-58.64	-63.90	9.53	-4.27	-13.00	-45.64
2494.50	-55.91	-61.32	10.59	-5.18	-13.00	-42.91
3720.00	-39.59	-44.37	12.34	-7.56	-13.00	-26.59
5580.00	-54.74	-58.28	12.96	-9.42	-13.00	-41.74

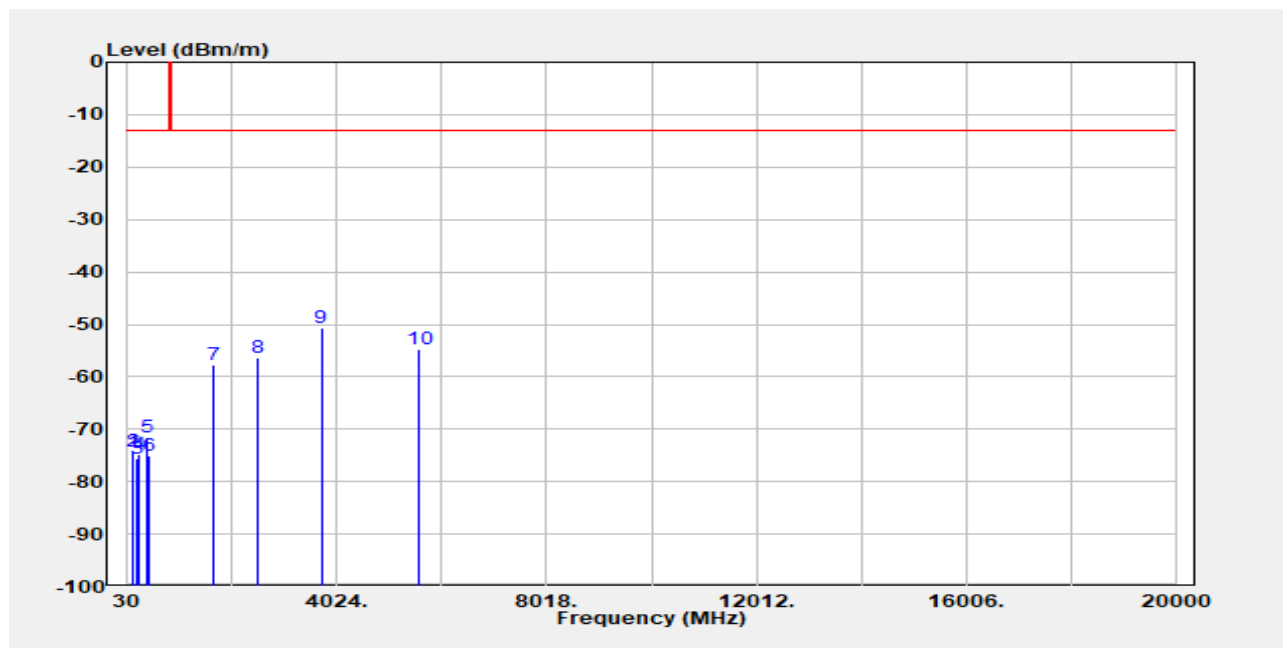
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Report Number :ER/2022/30084
Operation Mode :2A_n5A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1860_831.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-74.46	-71.66	-1.71	-1.10	-13.00	-61.46
130.88	-74.16	-70.98	-1.99	-1.18	-13.00	-61.16
196.84	-75.55	-78.19	4.06	-1.43	-13.00	-62.55
252.13	-74.73	-77.46	4.33	-1.60	-13.00	-61.73
394.72	-71.44	-73.67	4.32	-2.08	-13.00	-58.44
442.25	-75.01	-76.89	4.09	-2.21	-13.00	-62.01
1663.00	-57.72	-62.97	9.53	-4.27	-13.00	-44.72
2494.50	-56.38	-61.79	10.59	-5.18	-13.00	-43.38
3720.00	-50.64	-55.42	12.34	-7.56	-13.00	-37.64
5580.00	-54.61	-58.15	12.96	-9.42	-13.00	-41.61

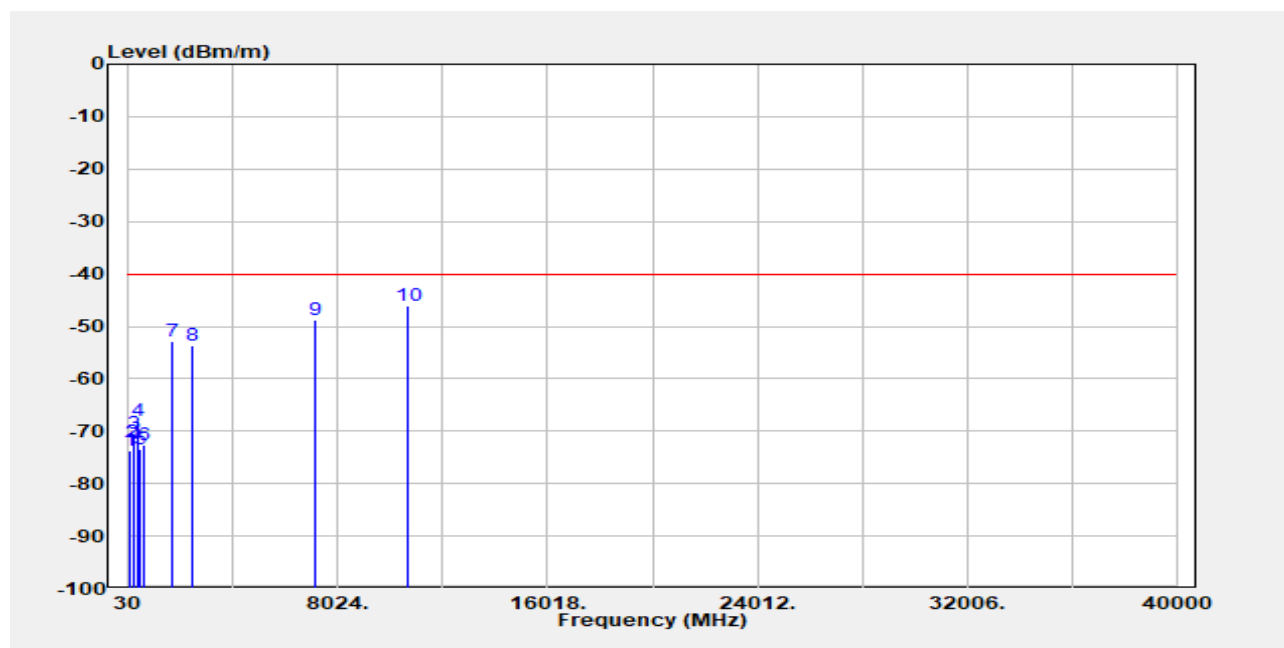
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Report Number :ER/2022/30084
 Operation Mode :48A_n5A
 Test Mode :Tx CH Low_Low
 EUT Pol :H Plane
 Test Frequency :3560_831.5 MHz

Test Site :SAC 1
 Test Date :2022-05-12
 Temp./Humi. :25.7/70
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-73.78	-61.15	-11.93	-0.70	-40.00	-33.78
193.93	-72.03	-74.43	3.83	-1.43	-40.00	-32.03
252.13	-70.37	-73.10	4.33	-1.60	-40.00	-30.37
399.57	-67.99	-70.18	4.32	-2.13	-40.00	-27.99
480.08	-73.38	-75.14	4.21	-2.44	-40.00	-33.38
590.66	-72.70	-73.85	3.79	-2.65	-40.00	-32.70
1663.00	-52.83	-58.08	9.53	-4.27	-40.00	-12.83
2494.50	-53.59	-59.00	10.59	-5.18	-40.00	-13.59
7120.00	-48.70	-49.84	10.96	-9.82	-40.00	-8.70
10680.00	-46.15	-45.82	11.22	-11.55	-40.00	-6.15

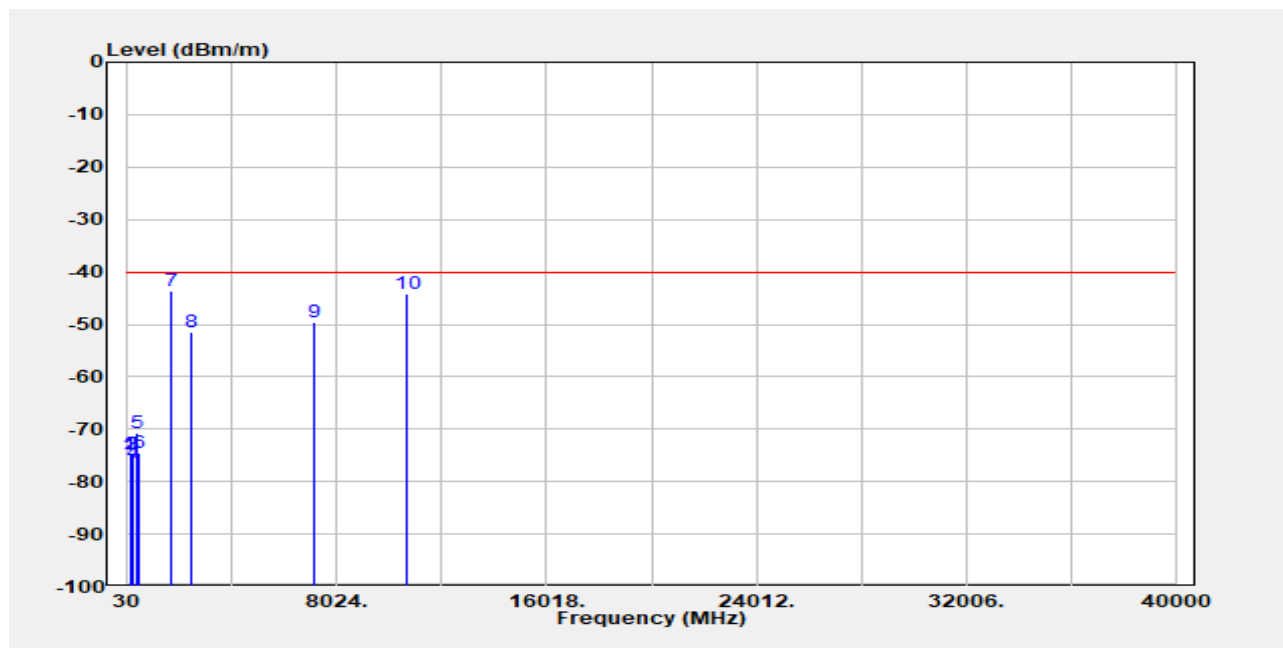
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Report Number :ER/2022/30084
Operation Mode :48A_n5A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :3560_831.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-74.96	-72.11	-1.73	-1.11	-40.00	-34.96
127.97	-74.83	-71.79	-1.88	-1.16	-40.00	-34.83
195.87	-74.82	-77.40	4.01	-1.43	-40.00	-34.82
252.13	-76.54	-79.27	4.33	-1.60	-40.00	-36.54
394.72	-70.65	-72.89	4.32	-2.08	-40.00	-30.65
480.08	-74.44	-76.20	4.21	-2.44	-40.00	-34.44
1663.00	-43.73	-48.98	9.53	-4.27	-40.00	-3.73
2494.50	-51.39	-56.79	10.59	-5.18	-40.00	-11.39
7120.00	-49.66	-50.80	10.96	-9.82	-40.00	-9.66
10680.00	-44.10	-43.77	11.22	-11.55	-40.00	-4.10

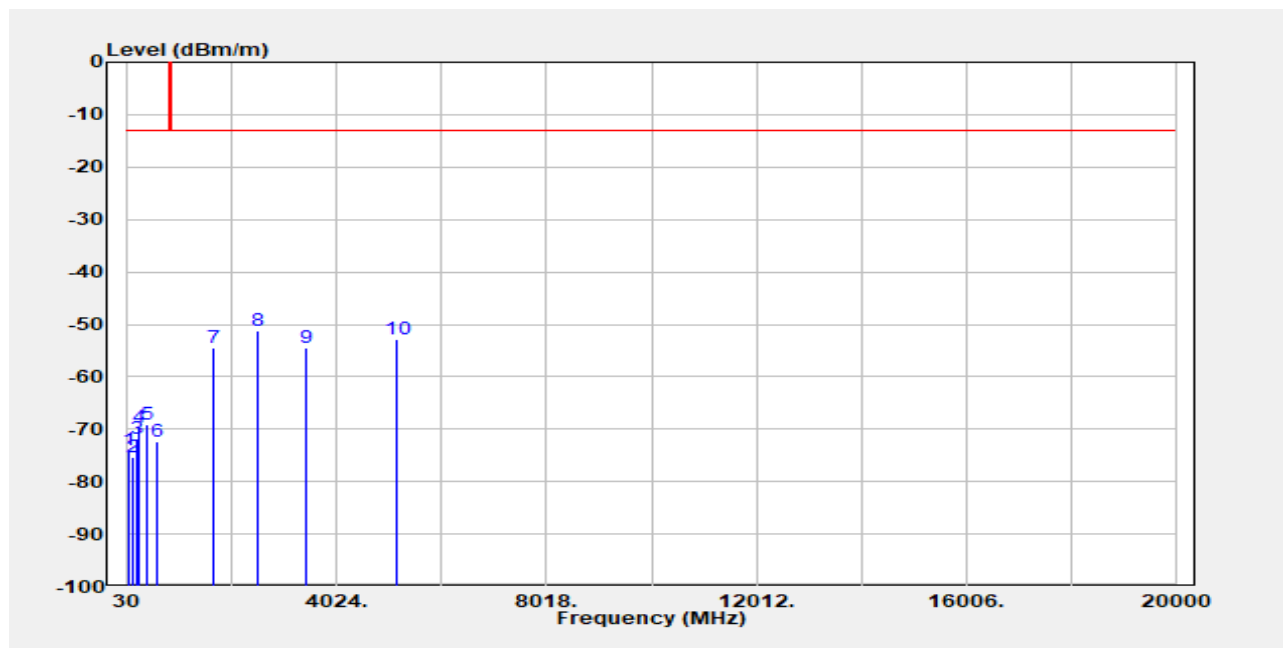
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Report Number :ER/2022/30084
Operation Mode :66A_n5A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1720_831.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.97	-61.14	-12.13	-0.70	-13.00	-60.97
126.03	-75.35	-72.37	-1.82	-1.15	-13.00	-62.35
195.87	-71.74	-74.32	4.01	-1.43	-13.00	-58.74
251.16	-69.77	-72.51	4.33	-1.59	-13.00	-56.77
394.72	-68.99	-71.23	4.32	-2.08	-13.00	-55.99
597.45	-72.27	-73.33	3.71	-2.65	-13.00	-59.27
1663.00	-54.56	-59.81	9.53	-4.27	-13.00	-41.56
2494.50	-51.23	-56.64	10.59	-5.18	-13.00	-38.23
3440.00	-54.43	-61.00	12.52	-5.95	-13.00	-41.43
5160.00	-52.97	-57.21	12.16	-7.93	-13.00	-39.97

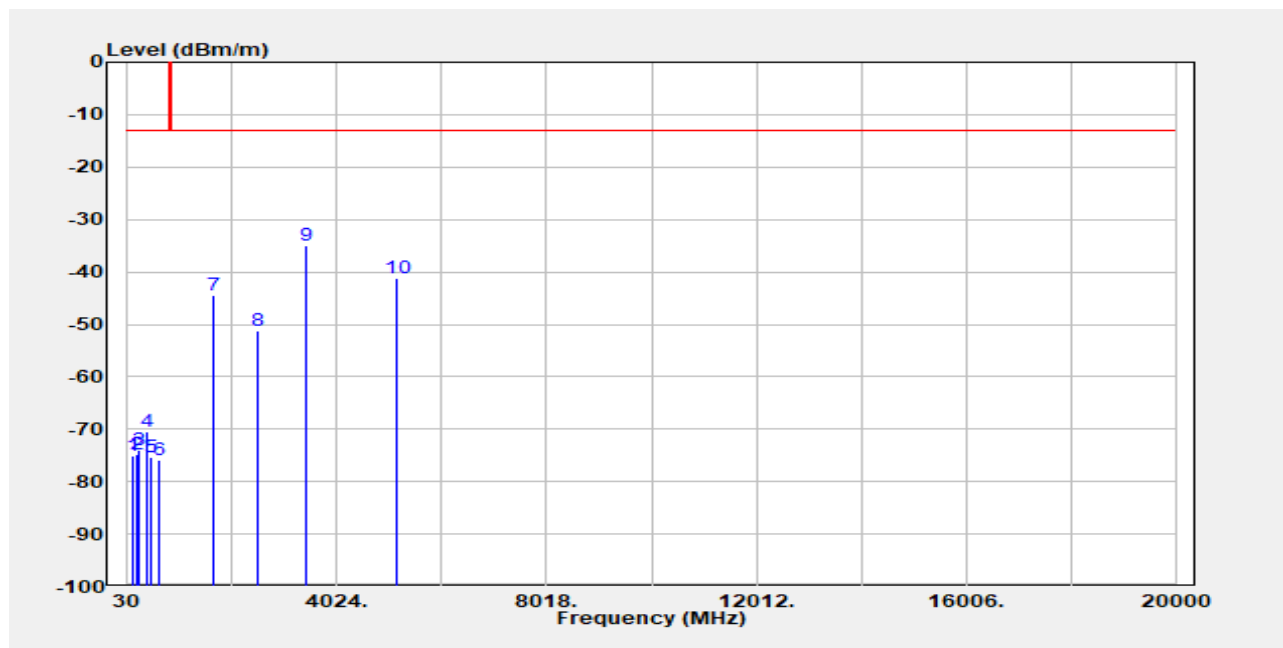
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Report Number :ER/2022/30084
Operation Mode :66A_n5A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1720_831.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-75.10	-72.26	-1.73	-1.11	-13.00	-62.10
198.78	-74.83	-77.65	4.25	-1.43	-13.00	-61.83
252.13	-73.95	-76.68	4.33	-1.60	-13.00	-60.95
398.60	-70.58	-72.77	4.32	-2.12	-13.00	-57.58
480.08	-75.29	-77.05	4.21	-2.44	-13.00	-62.29
612.97	-75.79	-76.82	3.47	-2.44	-13.00	-62.79
1663.00	-44.32	-49.57	9.53	-4.27	-13.00	-31.32
2494.50	-51.28	-56.69	10.59	-5.18	-13.00	-38.28
3440.00	-35.05	-41.63	12.52	-5.95	-13.00	-22.05
5160.00	-41.18	-45.42	12.16	-7.93	-13.00	-28.18

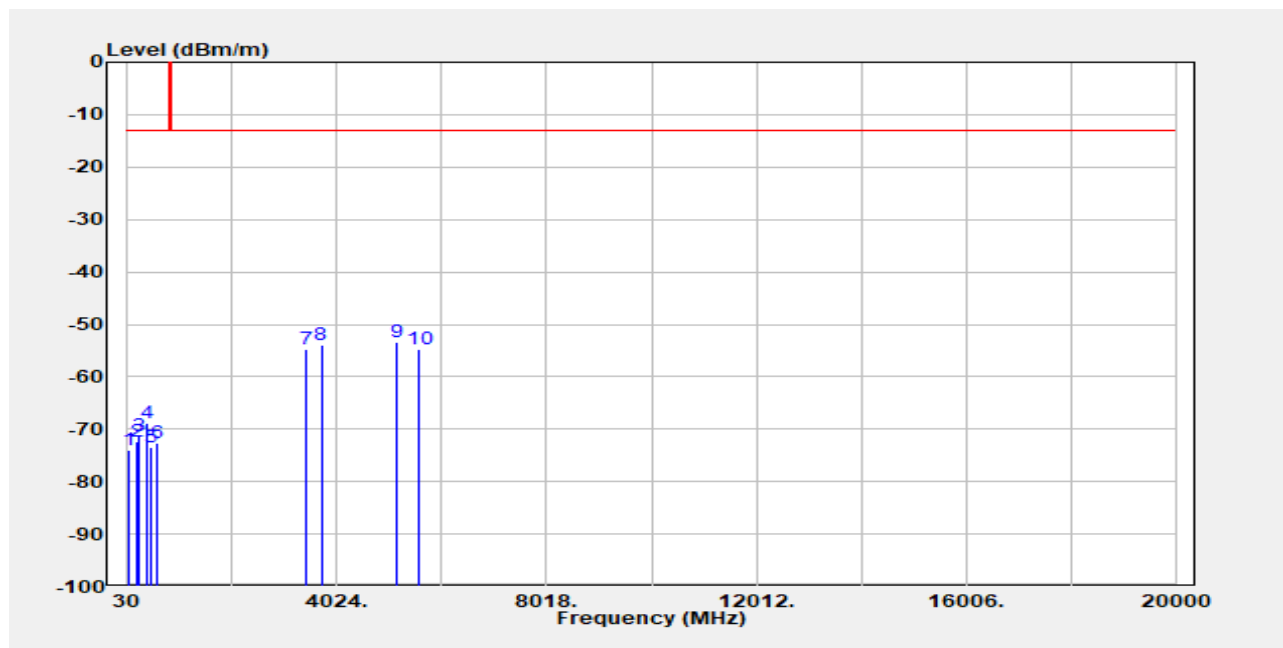
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Report Number :ER/2022/30084
Operation Mode :2A_n66A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1860_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.86	-61.03	-12.13	-0.70	-13.00	-60.86
195.87	-72.29	-74.87	4.01	-1.43	-13.00	-59.29
252.13	-71.39	-74.12	4.33	-1.60	-13.00	-58.39
395.69	-68.75	-70.97	4.31	-2.09	-13.00	-55.75
480.08	-73.50	-75.26	4.21	-2.44	-13.00	-60.50
601.33	-72.61	-73.62	3.64	-2.63	-13.00	-59.61
3435.00	-54.80	-61.42	12.53	-5.91	-13.00	-41.80
3720.00	-53.93	-58.71	12.34	-7.56	-13.00	-40.93
5152.50	-53.30	-57.48	12.12	-7.94	-13.00	-40.30
5580.00	-54.78	-58.32	12.96	-9.42	-13.00	-41.78

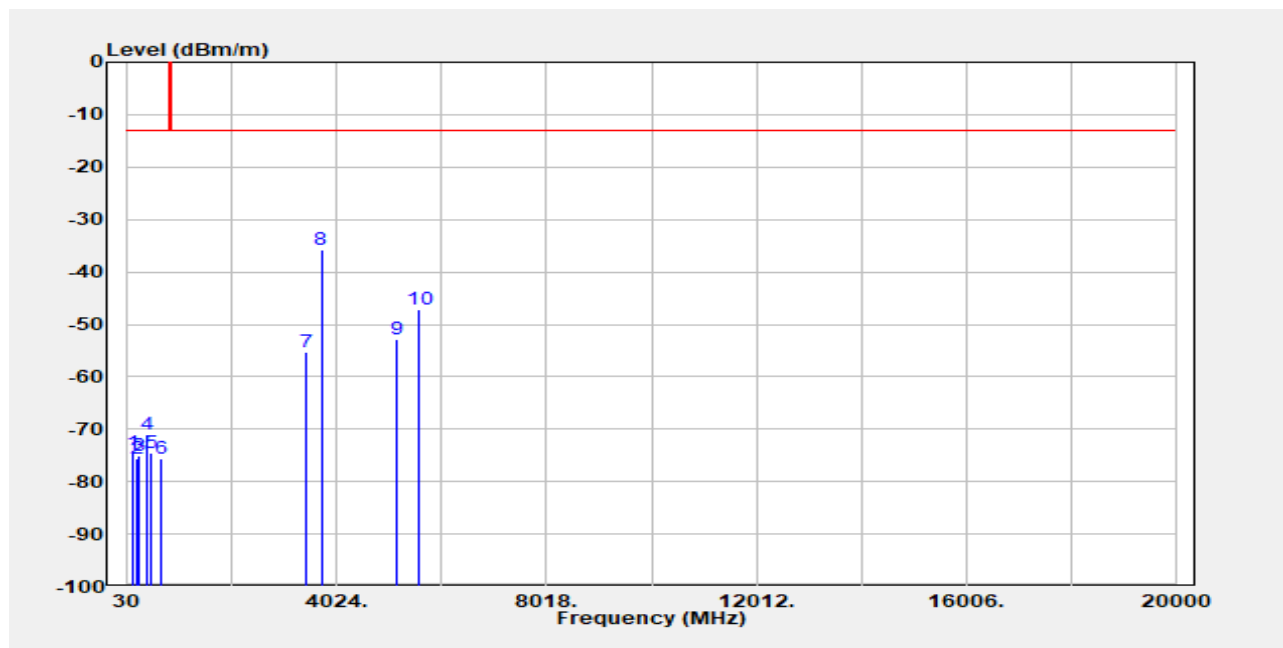
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Report Number :ER/2022/30084
Operation Mode :2A_n66A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :1860_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-74.59	-71.88	-1.61	-1.10	-13.00	-61.59
196.84	-75.50	-78.14	4.06	-1.43	-13.00	-62.50
252.13	-75.03	-77.75	4.33	-1.60	-13.00	-62.03
393.75	-71.10	-73.36	4.33	-2.08	-13.00	-58.10
480.08	-74.65	-76.41	4.21	-2.44	-13.00	-61.65
664.38	-75.52	-76.52	3.73	-2.73	-13.00	-62.52
3435.00	-55.31	-61.93	12.53	-5.91	-13.00	-42.31
3720.00	-35.90	-40.68	12.34	-7.56	-13.00	-22.90
5152.50	-52.94	-57.12	12.12	-7.94	-13.00	-39.94
5580.00	-47.11	-50.65	12.96	-9.42	-13.00	-34.11

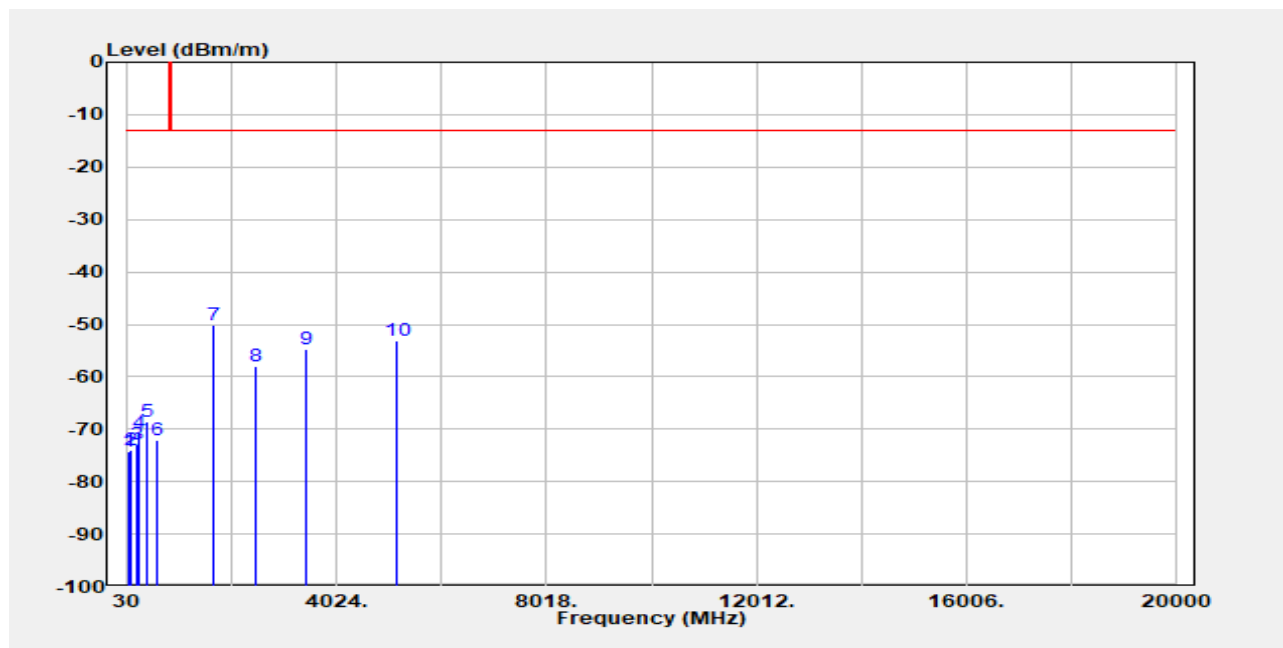
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Report Number :ER/2022/30084
Operation Mode :5A_n66A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :829_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-74.23	-61.40	-12.13	-0.70	-13.00	-61.23
103.72	-73.94	-71.84	-1.07	-1.03	-13.00	-60.94
193.93	-72.79	-75.18	3.83	-1.43	-13.00	-59.79
253.10	-70.70	-73.41	4.32	-1.60	-13.00	-57.70
396.66	-68.48	-70.69	4.32	-2.10	-13.00	-55.48
598.42	-72.18	-73.22	3.68	-2.64	-13.00	-59.18
1658.00	-50.11	-55.36	9.52	-4.27	-13.00	-37.11
2487.00	-58.04	-63.44	10.57	-5.18	-13.00	-45.04
3435.00	-54.74	-61.35	12.53	-5.91	-13.00	-41.74
5152.50	-53.22	-57.40	12.12	-7.94	-13.00	-40.22

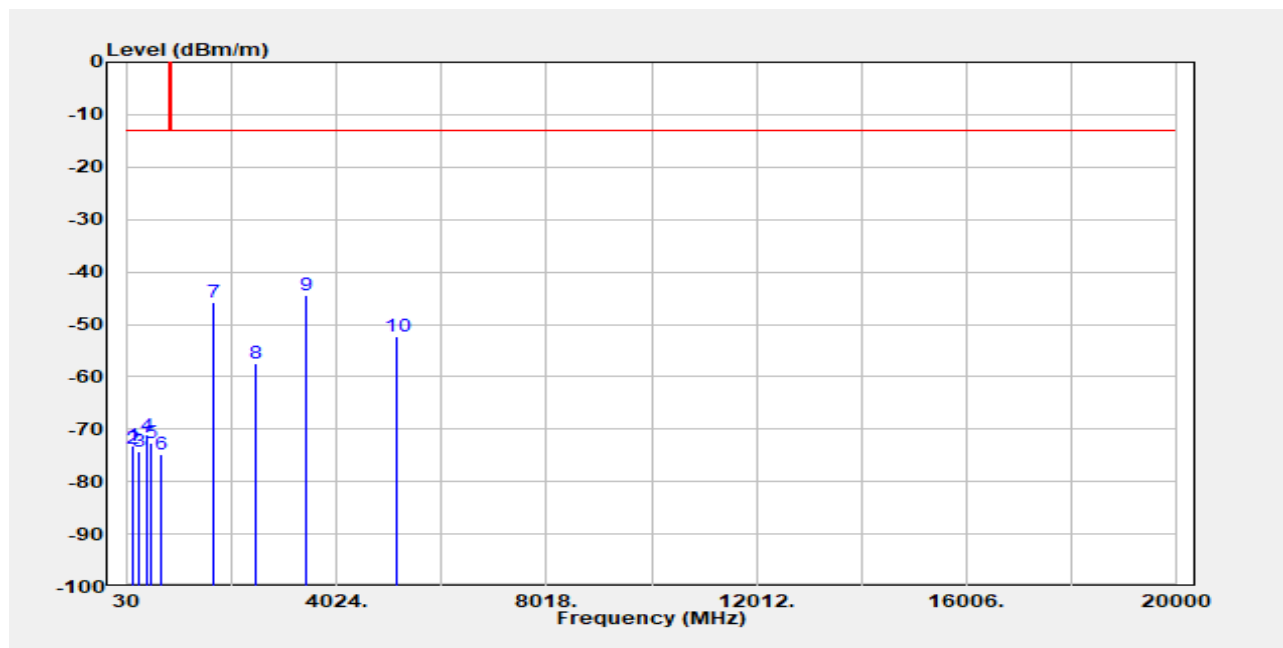
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Report Number :ER/2022/30084
Operation Mode :5A_n66A
Test Mode :Tx CH Low_Low
EUT Pol :H Plane
Test Frequency :829_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-73.04	-70.20	-1.73	-1.11	-13.00	-60.04
127.97	-73.83	-70.79	-1.88	-1.16	-13.00	-60.83
252.13	-74.13	-76.86	4.33	-1.60	-13.00	-61.13
398.60	-71.14	-73.34	4.32	-2.12	-13.00	-58.14
480.08	-72.76	-74.52	4.21	-2.44	-13.00	-59.76
651.77	-74.78	-75.97	3.63	-2.44	-13.00	-61.78
1658.00	-45.73	-50.98	9.52	-4.27	-13.00	-32.73
2487.00	-57.32	-62.72	10.57	-5.18	-13.00	-44.32
3435.00	-44.48	-51.10	12.53	-5.91	-13.00	-31.48
5152.50	-52.30	-56.47	12.12	-7.94	-13.00	-39.30

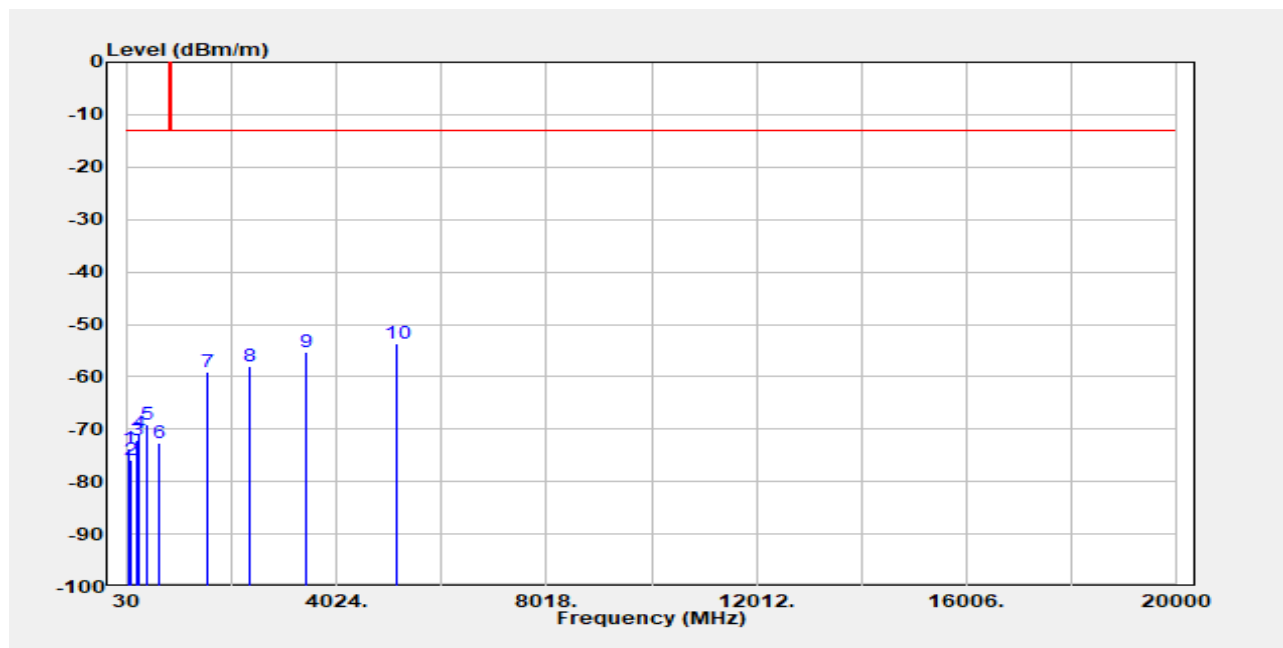
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Report Number :ER/2022/30084
Operation Mode :13A_n66A
Test Mode :Tx CH Mid_Low
EUT Pol :H Plane
Test Frequency :782_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.68	-60.85	-12.13	-0.70	-13.00	-60.68
102.75	-75.86	-73.75	-1.08	-1.03	-13.00	-62.86
194.90	-72.07	-74.51	3.88	-1.43	-13.00	-59.07
252.13	-70.62	-73.35	4.33	-1.60	-13.00	-57.62
396.66	-69.01	-71.22	4.32	-2.10	-13.00	-56.01
647.89	-72.65	-73.87	3.61	-2.39	-13.00	-59.65
1564.00	-59.04	-64.12	9.18	-4.10	-13.00	-46.04
2346.00	-57.95	-62.53	9.58	-5.01	-13.00	-44.95
3435.00	-55.27	-61.88	12.53	-5.91	-13.00	-42.27
5152.50	-53.58	-57.76	12.12	-7.94	-13.00	-40.58

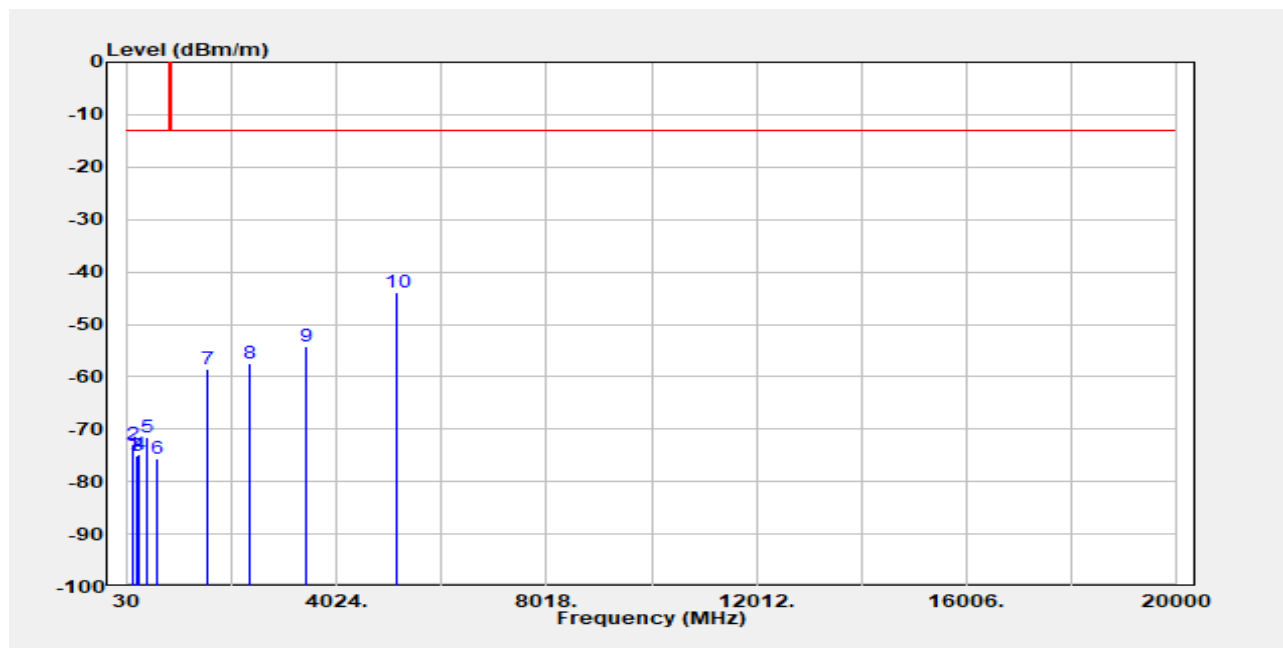
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Report Number :ER/2022/30084
Operation Mode :13A_n66A
Test Mode :Tx CH Mid_Low
EUT Pol :H Plane
Test Frequency :782_1717.5 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
117.30	-74.67	-71.82	-1.73	-1.11	-13.00	-61.67
141.55	-73.03	-69.82	-1.91	-1.29	-13.00	-60.03
190.05	-75.20	-77.03	3.26	-1.44	-13.00	-62.20
253.10	-74.69	-77.41	4.32	-1.60	-13.00	-61.69
398.60	-71.64	-73.84	4.32	-2.12	-13.00	-58.64
600.36	-75.64	-76.65	3.64	-2.64	-13.00	-62.64
1564.00	-58.44	-63.52	9.18	-4.10	-13.00	-45.44
2346.00	-57.51	-62.09	9.58	-5.01	-13.00	-44.51
3435.00	-54.23	-60.84	12.53	-5.91	-13.00	-41.23
5152.50	-43.89	-48.07	12.12	-7.94	-13.00	-30.89

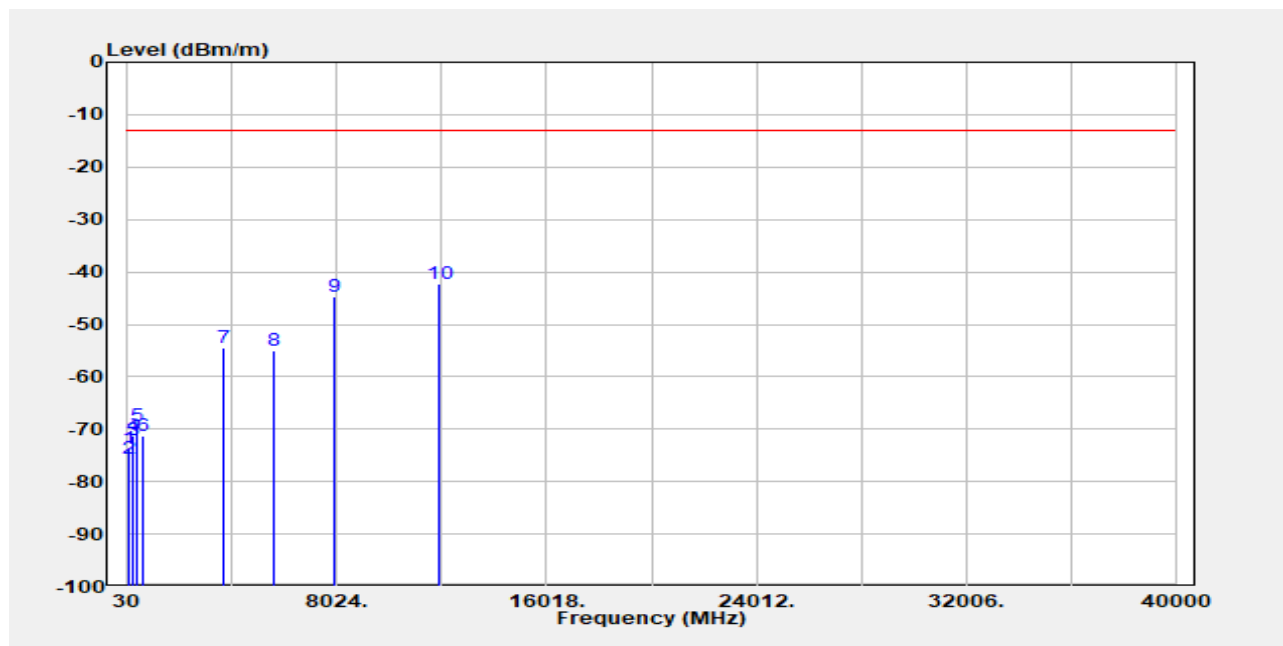
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Report Number :ER/2022/30084
Operation Mode :2A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :1860_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
49.40	-73.70	-61.07	-11.93	-0.70	-13.00	-60.70
102.75	-75.56	-73.45	-1.08	-1.03	-13.00	-62.56
194.90	-72.04	-74.49	3.88	-1.43	-13.00	-59.04
252.13	-71.21	-73.94	4.33	-1.60	-13.00	-58.21
397.63	-69.35	-71.56	4.32	-2.11	-13.00	-56.35
644.01	-71.38	-72.66	3.56	-2.28	-13.00	-58.38
3720.00	-54.42	-59.20	12.34	-7.56	-13.00	-41.42
5580.00	-54.99	-58.52	12.96	-9.42	-13.00	-41.99
7929.96	-44.79	-45.20	11.08	-10.67	-13.00	-31.79
11894.94	-42.32	-42.76	12.78	-12.34	-13.00	-29.32

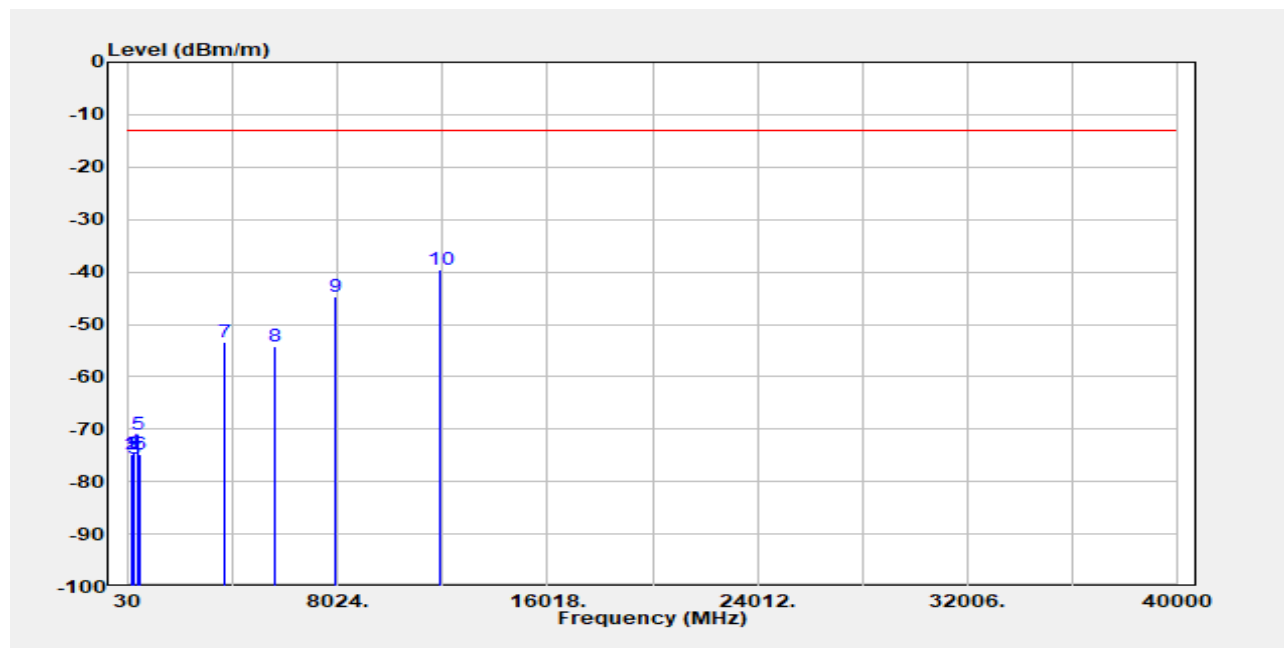
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Report Number :ER/2022/30084
Operation Mode :2A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :1860_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
115.36	-74.74	-71.94	-1.71	-1.10	-13.00	-61.74
132.82	-74.86	-71.68	-1.97	-1.21	-13.00	-61.86
194.90	-75.48	-77.92	3.88	-1.43	-13.00	-62.48
252.13	-74.25	-76.97	4.33	-1.60	-13.00	-61.25
396.66	-70.94	-73.15	4.32	-2.10	-13.00	-57.94
480.08	-74.74	-76.50	4.21	-2.44	-13.00	-61.74
3720.00	-53.49	-58.27	12.34	-7.56	-13.00	-40.49
5580.00	-54.12	-57.65	12.96	-9.42	-13.00	-41.12
7929.96	-44.65	-45.05	11.08	-10.67	-13.00	-31.65
11894.94	-39.50	-39.94	12.78	-12.34	-13.00	-26.50

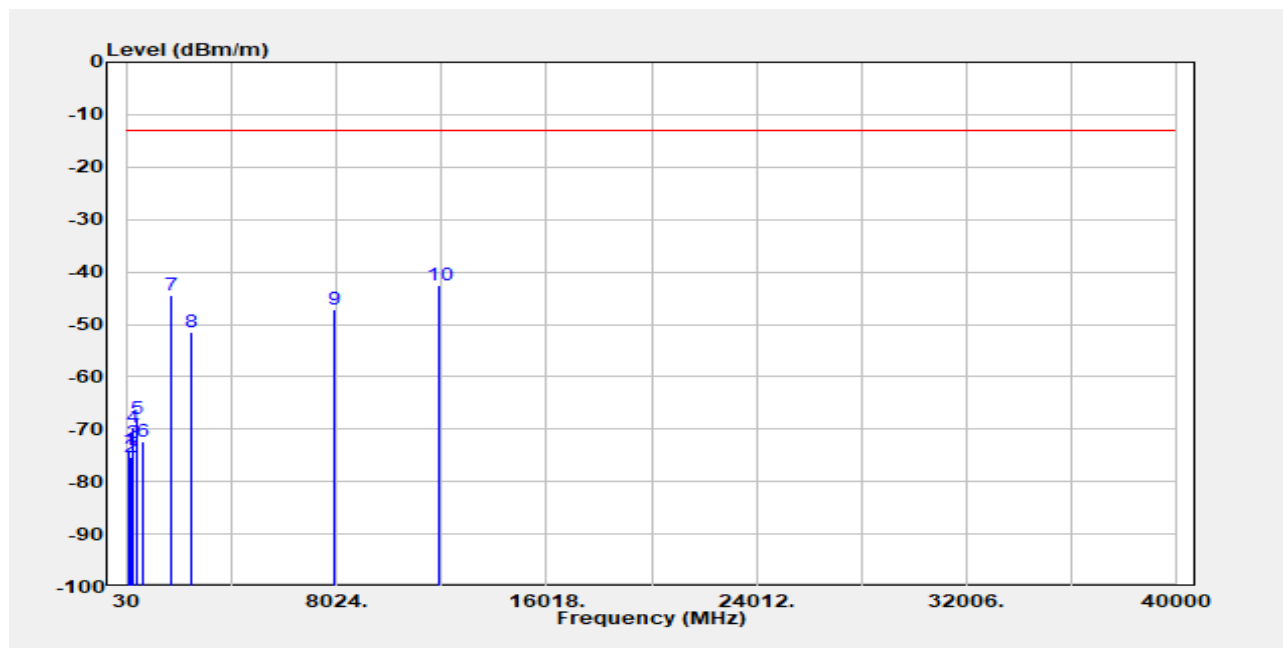
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Report Number :ER/2022/30084
Operation Mode :5A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :829_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.87	-61.04	-12.13	-0.70	-13.00	-60.87
127.00	-75.23	-72.03	-2.04	-1.16	-13.00	-62.23
195.87	-72.52	-75.09	4.01	-1.43	-13.00	-59.52
252.13	-69.78	-72.51	4.33	-1.60	-13.00	-56.78
398.60	-67.98	-70.18	4.32	-2.12	-13.00	-54.98
601.33	-72.31	-73.32	3.64	-2.63	-13.00	-59.31
1658.00	-44.52	-49.77	9.52	-4.27	-13.00	-31.52
2487.00	-51.54	-56.94	10.57	-5.18	-13.00	-38.54
7929.96	-47.25	-47.66	11.08	-10.67	-13.00	-34.25
11894.94	-42.56	-43.00	12.78	-12.34	-13.00	-29.56

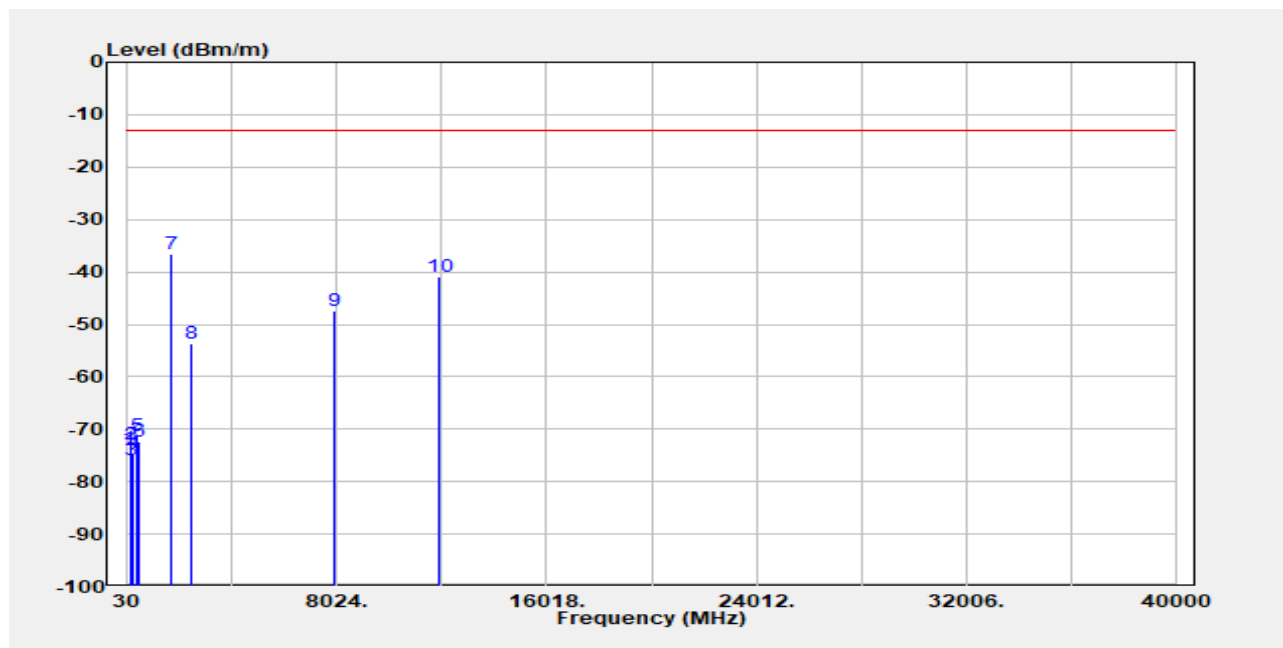
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Report Number :ER/2022/30084
Operation Mode :5A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :829_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-73.59	-70.88	-1.61	-1.10	-13.00	-60.59
127.00	-72.99	-69.78	-2.04	-1.16	-13.00	-59.99
193.93	-75.93	-78.32	3.83	-1.43	-13.00	-62.93
252.13	-74.57	-77.30	4.33	-1.60	-13.00	-61.57
394.72	-71.21	-73.44	4.32	-2.08	-13.00	-58.21
480.08	-72.43	-74.20	4.21	-2.44	-13.00	-59.43
1658.00	-36.48	-41.73	9.52	-4.27	-13.00	-23.48
2487.00	-53.64	-59.04	10.57	-5.18	-13.00	-40.64
7929.96	-47.47	-47.88	11.08	-10.67	-13.00	-34.47
11894.94	-41.01	-41.46	12.78	-12.34	-13.00	-28.01

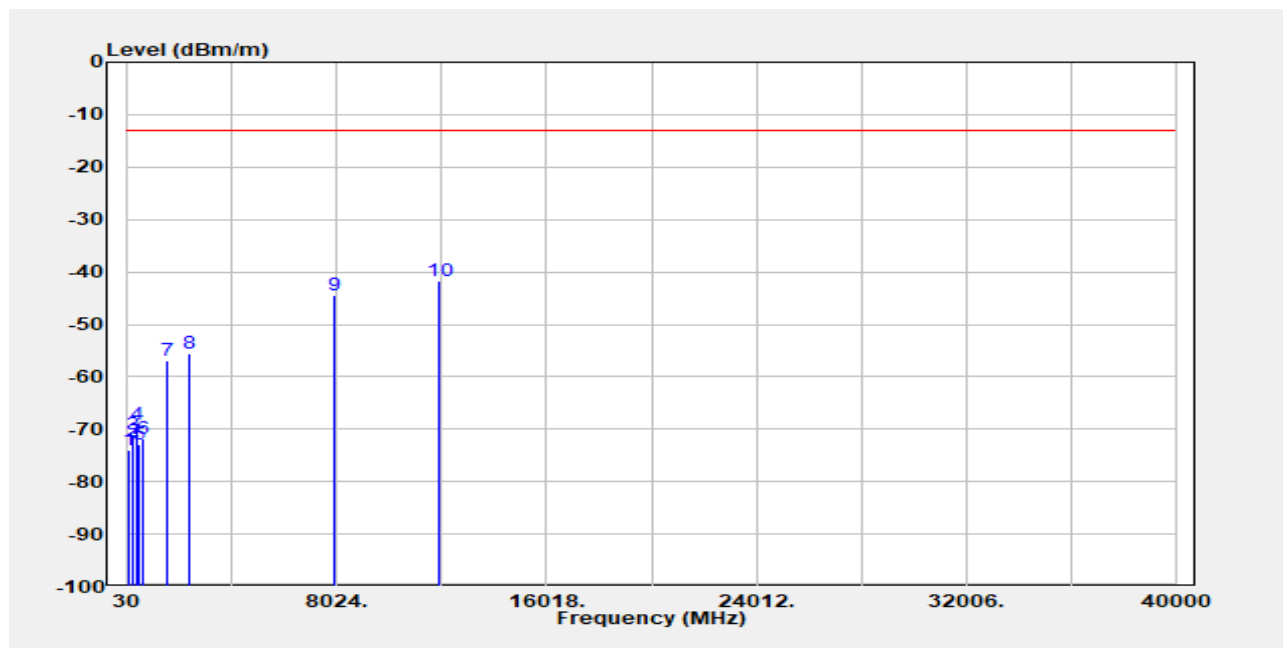
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Report Number :ER/2022/30084
Operation Mode :13A_n77A
Test Mode :Tx CH Mid_High
EUT Pol :H Plane
Test Frequency :782_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.97	-61.14	-12.13	-0.70	-13.00	-60.97
194.90	-72.36	-74.80	3.88	-1.43	-13.00	-59.36
252.13	-71.06	-73.78	4.33	-1.60	-13.00	-58.06
396.66	-69.20	-71.41	4.32	-2.10	-13.00	-56.20
480.08	-72.94	-74.70	4.21	-2.44	-13.00	-59.94
600.36	-71.77	-72.77	3.64	-2.64	-13.00	-58.77
1564.00	-57.03	-62.11	9.18	-4.10	-13.00	-44.03
2346.00	-55.47	-60.24	9.78	-5.01	-13.00	-42.47
7929.96	-44.46	-44.87	11.08	-10.67	-13.00	-31.46
11894.94	-41.83	-42.27	12.78	-12.34	-13.00	-28.83

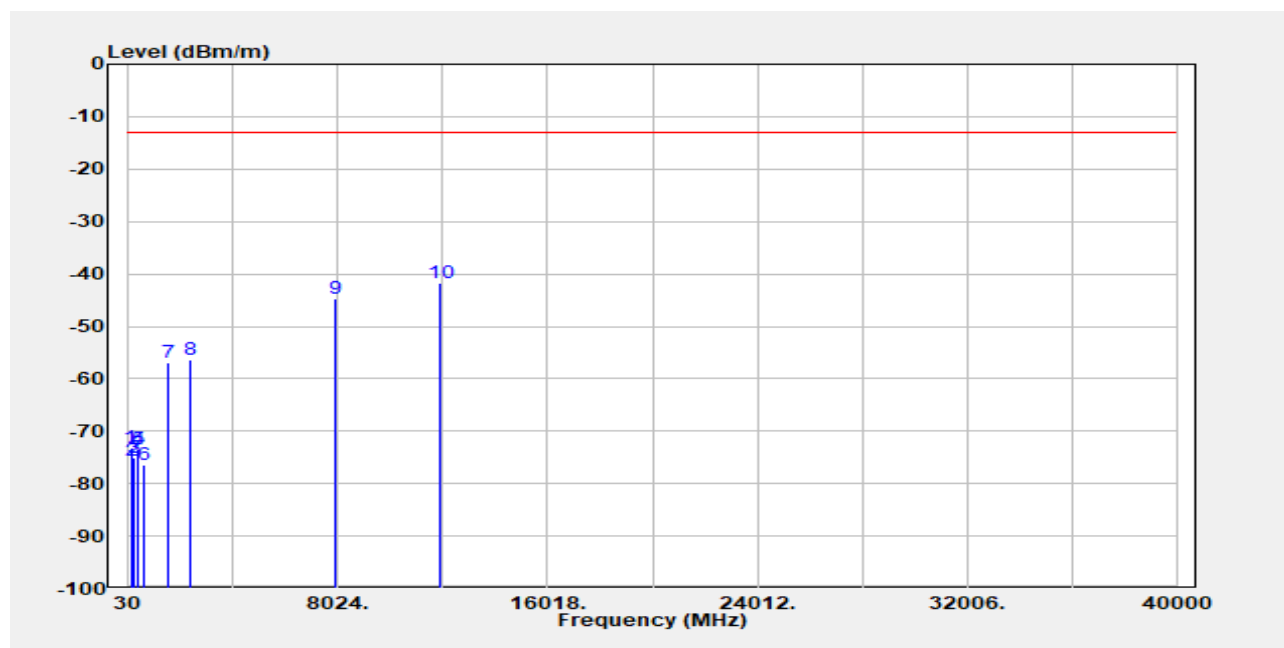
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Report Number :ER/2022/30084
 Operation Mode :13A_n77A
 Test Mode :Tx CH Mid_High
 EUT Pol :H Plane
 Test Frequency :782_3964.98 MHz

Test Site :SAC 1
 Test Date :2022-05-12
 Temp./Humi. :25.7/70
 Antenna Pol. :Horizontal
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
116.33	-73.27	-70.56	-1.61	-1.10	-13.00	-60.27
130.88	-75.63	-72.46	-1.99	-1.18	-13.00	-62.63
251.16	-75.00	-77.74	4.33	-1.59	-13.00	-62.00
384.05	-73.54	-75.91	4.39	-2.02	-13.00	-60.54
394.72	-73.48	-75.71	4.32	-2.08	-13.00	-60.48
609.09	-76.42	-77.41	3.51	-2.52	-13.00	-63.42
1564.00	-56.81	-61.89	9.18	-4.10	-13.00	-43.81
2346.00	-56.25	-61.02	9.78	-5.01	-13.00	-43.25
7905.96	-44.80	-45.34	11.18	-10.64	-13.00	-31.80
11894.94	-41.85	-42.29	12.78	-12.34	-13.00	-28.85

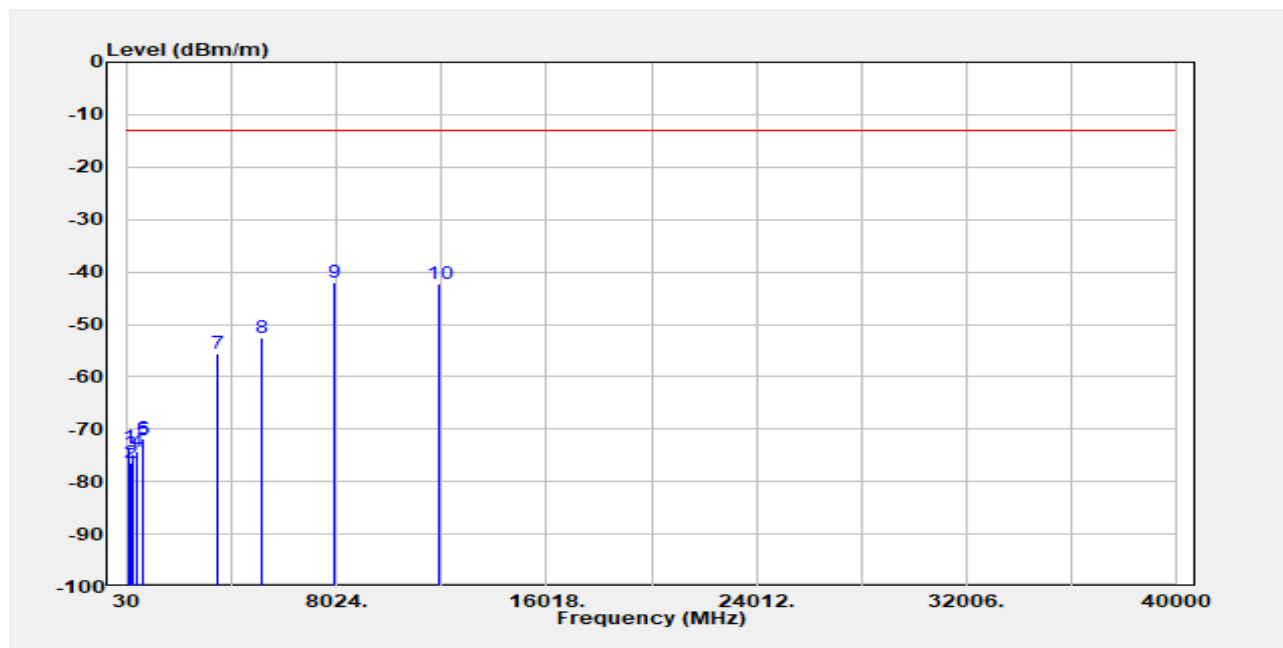
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Report Number :ER/2022/30084
Operation Mode :66A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :1720_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Vertical
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
48.43	-73.50	-60.67	-12.13	-0.70	-13.00	-60.50
122.15	-76.36	-73.33	-1.88	-1.14	-13.00	-63.36
191.99	-74.90	-77.01	3.54	-1.43	-13.00	-61.90
397.63	-74.34	-76.54	4.32	-2.11	-13.00	-61.34
596.48	-72.14	-73.23	3.73	-2.65	-13.00	-59.14
606.18	-71.71	-72.73	3.58	-2.56	-13.00	-58.71
3440.00	-55.61	-62.19	12.52	-5.95	-13.00	-42.61
5160.00	-52.69	-56.92	12.16	-7.93	-13.00	-39.69
7929.96	-41.93	-42.33	11.08	-10.67	-13.00	-28.93
11894.94	-42.34	-42.78	12.78	-12.34	-13.00	-29.34

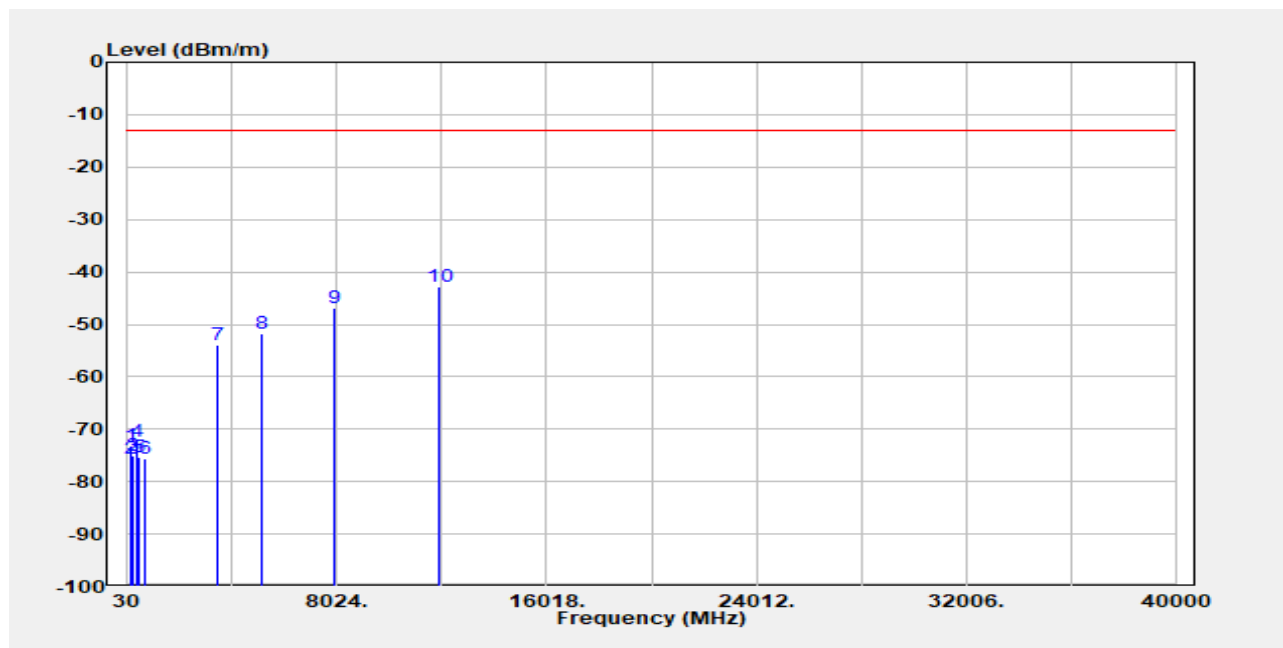
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Report Number :ER/2022/30084
Operation Mode :66A_n77A
Test Mode :Tx CH Low_High
EUT Pol :H Plane
Test Frequency :1720_3964.98 MHz

Test Site :SAC 1
Test Date :2022-05-12
Temp./Humi. :25.7/70
Antenna Pol. :Horizontal
Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
118.27	-73.10	-70.27	-1.72	-1.12	-13.00	-60.10
131.85	-75.74	-72.46	-2.09	-1.20	-13.00	-62.74
251.16	-74.99	-77.73	4.33	-1.59	-13.00	-61.99
394.72	-72.23	-74.46	4.32	-2.08	-13.00	-59.23
480.08	-75.21	-76.98	4.21	-2.44	-13.00	-62.21
676.99	-75.65	-76.55	3.85	-2.95	-13.00	-62.65
3440.00	-53.87	-60.44	12.52	-5.95	-13.00	-40.87
5160.00	-51.65	-55.89	12.16	-7.93	-13.00	-38.65
7929.96	-46.79	-47.20	11.08	-10.67	-13.00	-33.79
11894.94	-42.72	-43.17	12.78	-12.34	-13.00	-29.72

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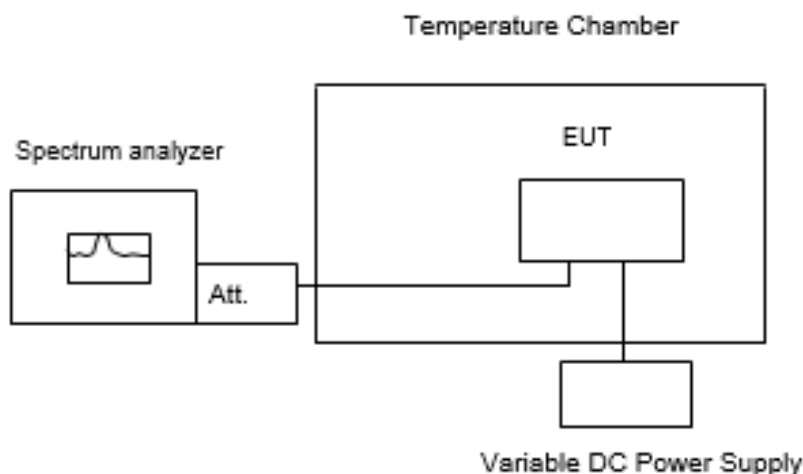
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11 FREQUENCY STABILITY MEASUREMENT

11.1 Standard Applicabl

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

11.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

11.3 Measurement Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to -30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

11.4 Measurement Result

Note: The power is rated 120V.

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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)
138	25	1879.999990	-10	4700
120	25	1879.999981	-19	4700
102	25	1880.000008	8	4700
62 (End Point)	25	1880.000012	12	4700
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	1879.999988	-12	4700
120	-20	1879.999983	-17	4700
120	-10	1880.000012	12	4700
120	0	1879.999994	-6	4700
120	10	1880.000019	19	4700
120	20	1879.999986	-14	4700
120	30	1880.000018	18	4700
120	40	1880.000012	12	4700
120	50	1880.000006	6	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)
138	25	836.500015	15	2091
120	25	836.500012	12	2091
102	25	836.499990	-10	2091
62 (End Point)	25	836.499984	-16	2091
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	836.499990	-10	2091
120	-20	836.499993	-7	2091
120	-10	836.500014	14	2091
120	0	836.499990	-10	2091
120	10	836.500012	12	2091
120	20	836.500003	3	2091
120	30	836.499980	-20	2091
120	40	836.500019	19	2091
120	50	836.500015	15	2091

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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)
138	25	1744.999983	-17	4363
120	25	1745.000010	10	4363
102	25	1745.000001	1	4363
62 (End Point)	25	1744.999996	-4	4363
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	1745.000012	12	4363
120	-20	1745.000005	5	4363
120	-10	1745.000002	2	4363
120	0	1744.999997	-3	4363
120	10	1745.000005	5	4363
120	20	1744.999990	-10	4363
120	30	1744.999990	-10	4363
120	40	1744.999996	-4	4363
120	50	1745.000001	1	4363

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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)
138	25	3840.000013	13	9600
120	25	3839.999991	-9	9600
102	25	3840.000007	7	9600
62 (End Point)	25	3839.999993	-7	9600
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	3839.999995	-5	9600
120	-20	3839.999985	-15	9600
120	-10	3840.000004	4	9600
120	0	3840.000000	0	9600
120	10	3840.000018	18	9600
120	20	3840.000009	9	9600
120	30	3839.999998	-2	9600
120	40	3840.000004	4	9600
120	50	3839.999998	-2	9600

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5G NR BAND n77 Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	633334		Frequency(MHz):	3500.01
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
138	25	3500.010005	5	8750
120	25	3500.010011	11	8750
102	25	3500.009982	-18	8750
0 (End Point)	25	3500.009995	-5	8750
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	3500.010018	18	8750
120	-20	3500.010006	6	8750
120	-10	3500.009996	-4	8750
120	0	3500.010010	10	8750
120	10	3500.009995	-5	8750
120	20	3500.010002	2	8750
120	30	3500.010009	9	8750
120	40	3500.010015	15	8750
120	50	3500.009984	-16	8750

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5G NR BAND n77 Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	633334		Frequency(MHz):	3500.01
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
138	25	3500.010008	8	8750
120	25	3500.009986	-14	8750
102	25	3500.010003	3	8750
0 (End Point)	25	3500.009999	-1	8750
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	3500.009992	-8	8750
120	-20	3500.009990	-10	8750
120	-10	3500.010009	9	8750
120	0	3500.010005	5	8750
120	10	3500.009998	-2	8750
120	20	3500.010001	1	8750
120	30	3500.009998	-2	8750
120	40	3500.010004	4	8750
120	50	3500.010006	6	8750

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5G NR BAND n77 Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	656000		Freqency(MHz):	3840.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
138	25	3840.000009	9	9600
120	25	3840.000008	8	9600
102	25	3839.999985	-15	9600
62 (End Point)	25	3839.999989	-11	9600
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
120	-30	3840.000006	6	9600
120	-20	3839.999990	-10	9600
120	-10	3840.000009	9	9600
120	0	3840.000005	5	9600
120	10	3839.999987	-13	9600
120	20	3839.999991	-9	9600
120	30	3840.000004	4	9600
120	40	3839.999989	-11	9600
120	50	3839.999992	-8	9600

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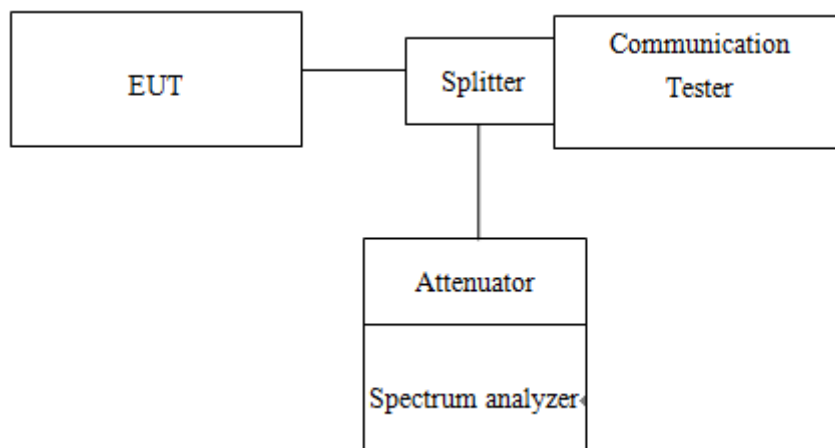
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12 PEAK TO AVERAGE RATIO

12.1 Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

12.2 Test SET-UP



12.3 Measurement Procedure

1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth \geq signal's occupied bandwidth; & internal = 1ms
3. Set the number of counts to a value that stabilizes the measured CCDF curve.

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12.4 Measurement Result

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	7.10	13	1855.00	371000	9.28	13
1880.00	376000	6.87	13	1880.00	376000	9.67	13
1907.50	381500	6.98	13	1905.00	381000	8.89	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	9.03	13	1860.00	372000	9.09	13
1880.00	376000	9.67	13	1880.00	376000	10.11	13
1902.50	380500	9.14	13	1900.00	380000	9.06	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	7.48	13	829.00	165800	10.17	13
836.50	167300	7.44	13	836.50	167300	9.87	13
846.50	169300	7.58	13	844.00	168800	9.76	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	9.67	13	834.00	166800	10.46	13
836.50	167300	9.13	13	836.50	167300	9.86	13
841.50	168300	10.27	13	839.00	167800	9.58	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	7.78	13	1715.00	343000	9.18	13
1745.00	349000	7.89	13	1745.00	349000	9.87	13
1777.50	355500	7.79	13	1775.00	355000	9.48	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	9.08	13	1720.00	344000	9.00	13
1745.00	349000	8.74	13	1745.00	349000	10.16	13
1772.50	354500	9.31	13	1770.00	354000	9.48	13

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5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 30MHz							
Freq. (MHz)	CH	PAPR (dB)				PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1725.00	345000	11.19	13				
1745.00	349000	11.17	13				
1765.00	353000	11.17	13				
5G NR BAND n66							
DFT-S-OFDM_SCS 15 kHz							
Channel bandwidth: 40MHz							
Freq. (MHz)	CH	PAPR (dB)				PAPR (dB)	
		256QAM	Limit			256QAM	Limit
1730.00	346000	10.88	13				
1745.00	349000	11.15	13				
1760.00	352000	11.11	13				
5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
Freq. (MHz)	CH	PAPR (dB)				PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3710.01	647334	9.27	13				
3840.00	656000	11.43	13				
3969.99	664666	9.44	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	10.58	13	3720.00	648000	10.13	13
3840.00	656000	9.85	13	3840.00	656000	10.08	13
3964.98	664332	10.67	13	3960.00	664000	10.18	13
5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 80MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3740.01	649334	11.50	13				
3840.00	656000	11.46	13				
3939.99	662666	11.40	13				
5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 100MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3750.00	650000	11.21	13				
3840.00	656000	11.53	13				
3930.00	662000	10.71	13				

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5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
Freq. (MHz)	CH	PAPR (dB)					
		256QAM	Limit				
3460.02	630668	12.83	13				
3500.01	633334	10.09	13				
3540.00	636000	9.62	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	11.40	13	3470.01	631334	11.22	13
3500.01	633334	10.09	13	3500.01	633334	11.45	13
3534.99	635666	10.49	13	3529.98	635332	11.09	13
5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
				Channel bandwidth: 80MHz			
				Freq. (MHz)	CH	PAPR (dB)	
						256QAM	Limit
				3490.02	632668	12.29	13
				3500.01	633334	11.49	13
3510.00	634000	10.83	13				
5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
				Channel bandwidth: 100MHz			
				Freq. (MHz)	CH	PAPR (dB)	
						256QAM	Limit
				3500.01	633334	11.60	13

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MIMO

5G NR BAND n77 Part27(3450 to 3550 MHz)							
CP_OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3460.02	630668	12.42	13				
3500.01	633334	12.39	13				
3540.00	636000	12.95	13				
5G NR BAND n77 Part27(3450 to 3550 MHz)							
CP_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	12.67	13	3470.01	631334	12.78	13
3500.01	633334	12.40	13	3500.01	633334	12.78	13
3534.99	635666	11.98	13	3529.98	635332	12.37	13
5G NR BAND n77 Part27(3450 to 3550 MHz)							
CP_OFDM_SCS 30 kHz							
				Channel bandwidth: 60MHz			
				Freq. (MHz)	CH	PAPR (dB)	
						256QAM	Limit
				3480.00	632000	12.46	13
				3500.01	633334	12.02	13
				3519.99	634666	11.71	13
5G NR BAND n77 Part27(3450 to 3550 MHz)							
CP_OFDM_SCS 30 kHz							
				Channel bandwidth: 80MHz			
				Freq. (MHz)	CH	PAPR (dB)	
						256QAM	Limit
				3490.02	632668	12.41	13
				3500.01	633334	12.93	13
				3510.00	634000	12.60	13

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5G NR BAND n77 Part27(3450 to 3550 MHz)			
CP_OFDM_SCS 30 kHz			
Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit
3500.01	633334	12.12	13

5G NR BAND n77 Part27(3700 to 3980 MHz)			
CP_OFDM_SCS 30 kHz			
Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit
3710.01	647334	12.33	13
3840.00	656000	11.43	13
3969.99	664666	12.93	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
CP_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	12.52	13	3720.00	648000	11.84	13
3840.00	656000	12.76	13	3840.00	656000	11.53	13
3964.98	664332	11.92	13	3960.00	664000	12.25	13

5G NR BAND n77 Part27(3700 to 3980 MHz)			
CP_OFDM_SCS 30 kHz			
Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit
3730.02	648668	12.12	13
3840.00	656000	11.76	13
3949.98	663332	11.92	13

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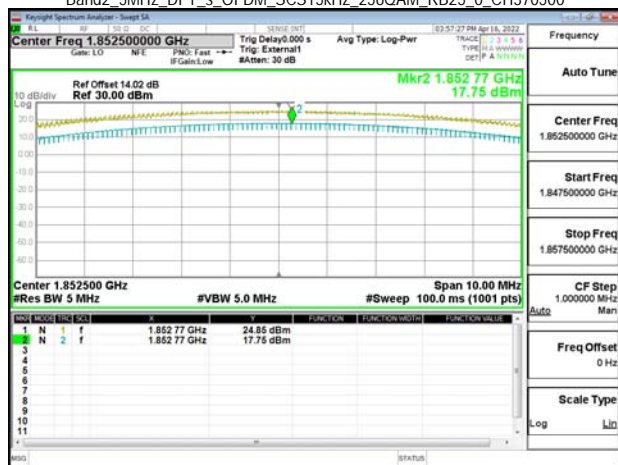
5G NR BAND n77 Part27(3700 to 3980 MHz)				
CP_OFDM_SCS 30 kHz				
Channel bandwidth: 80MHz				
	Freq. (MHz)	CH	PAPR (dB)	
			256QAM	Limit
	3740.01	649334	12.88	13
	3840.00	656000	12.26	13
	3939.99	662666	12.92	13
5G NR BAND n77 Part27(3700 to 3980 MHz)				
CP_OFDM_SCS 30 kHz				
Channel bandwidth: 100MHz				
	Freq. (MHz)	CH	PAPR (dB)	
			256QAM	Limit
	3750.00	650000	11.94	13
	3840.00	656000	12.33	13
	3930.00	662000	11.38	13

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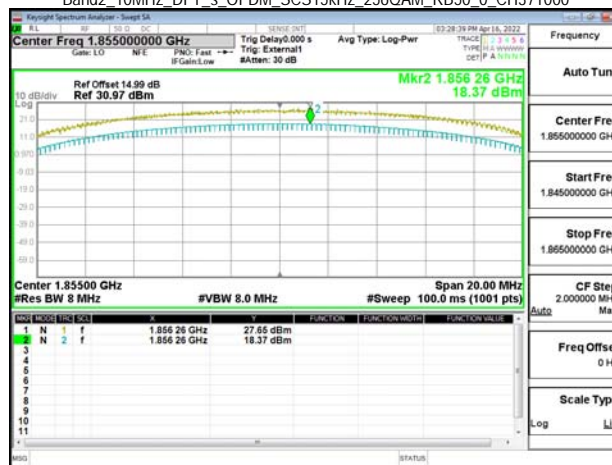
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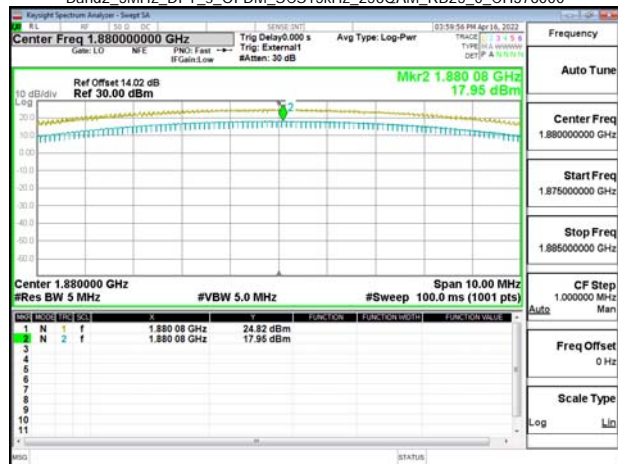
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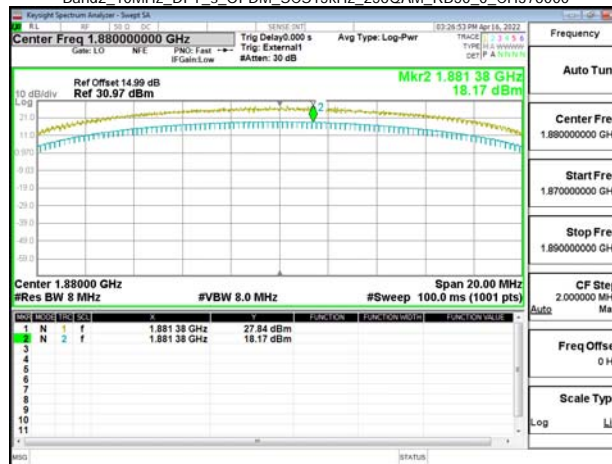
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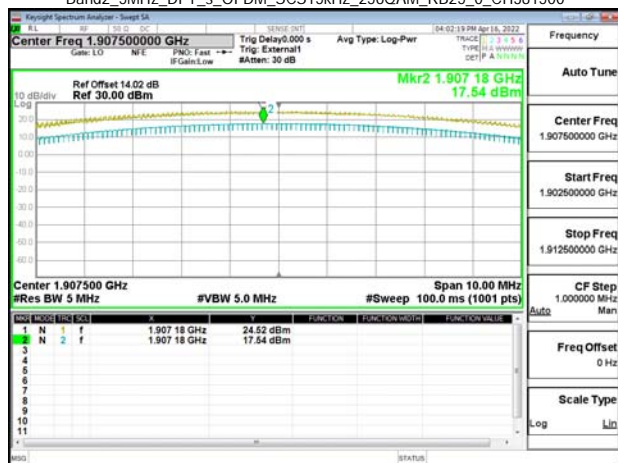
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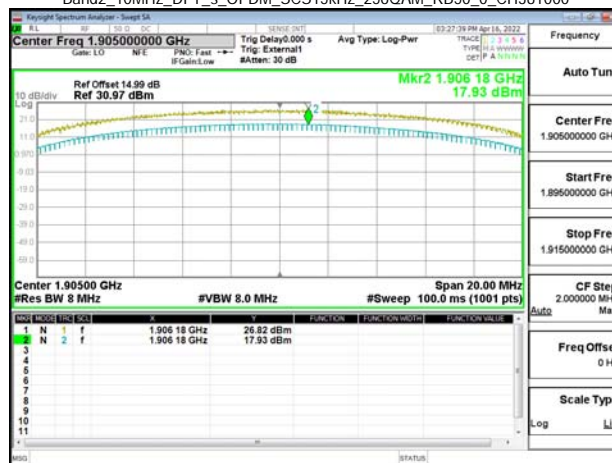
Band2_10MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB50_0_CH376000



Band2_5MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB25_0_CH381500



Band2_10MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB50_0_CH381000



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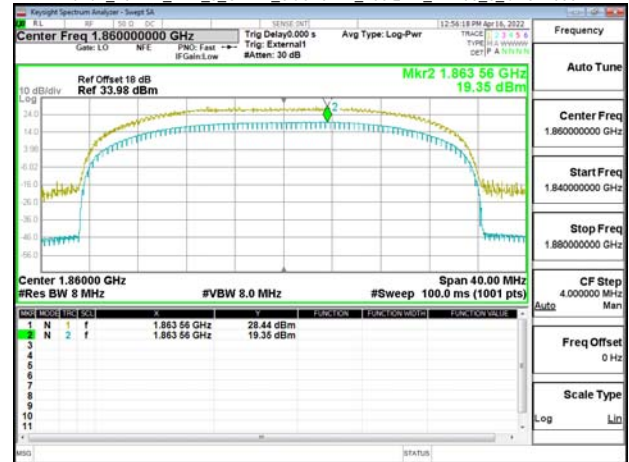
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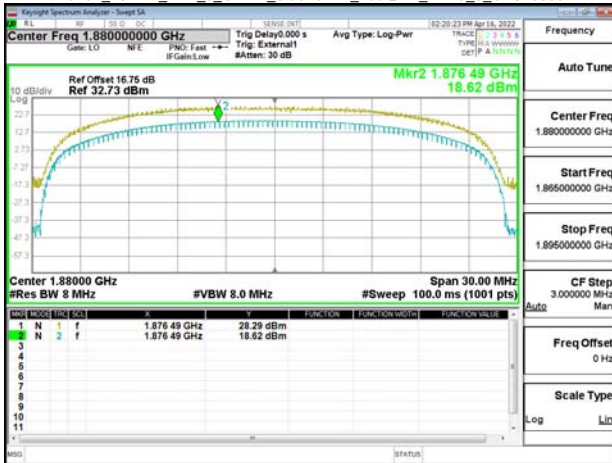
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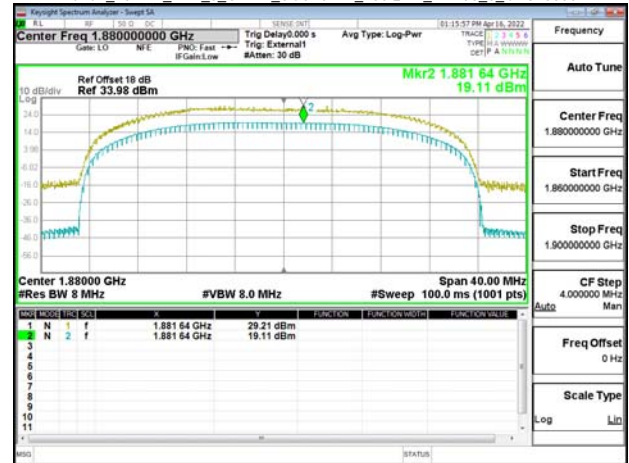
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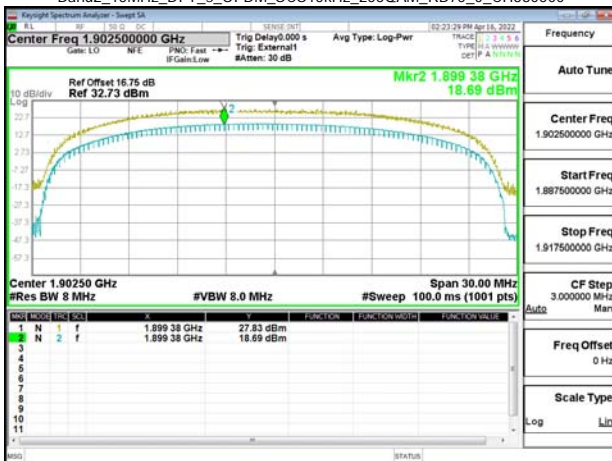
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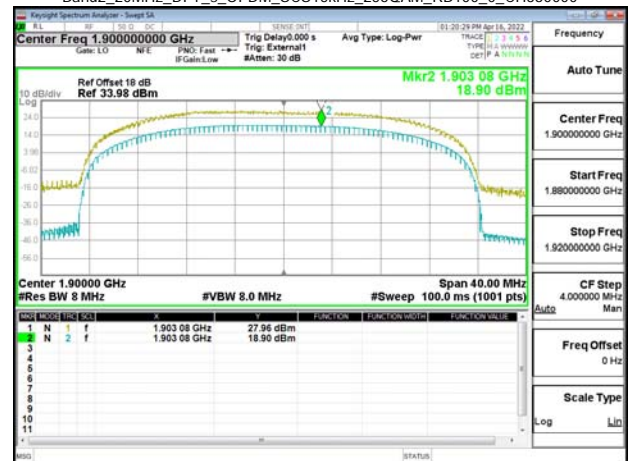
Band2_20MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB100_0_CH376000



Band2_15MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB75_0_CH380500



Band2_20MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB100_0_CH380000

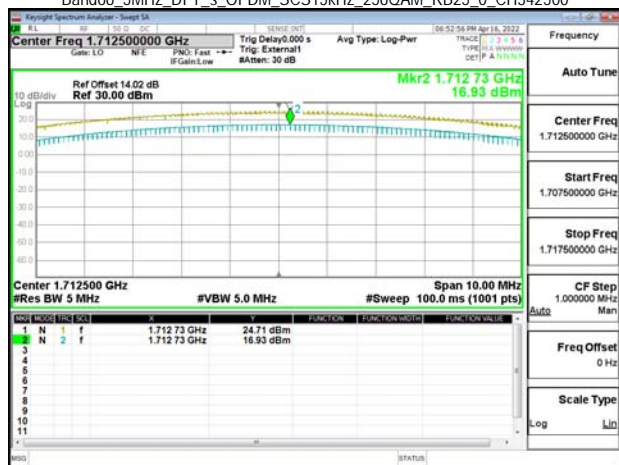


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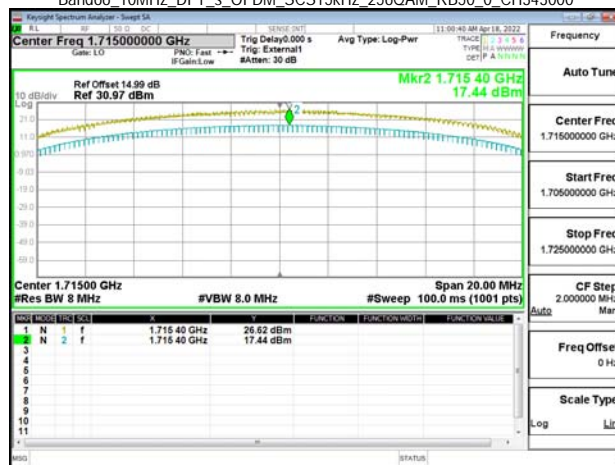
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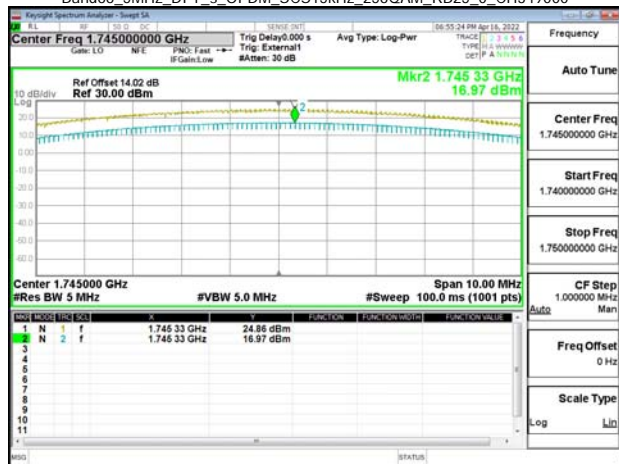
Band66_5MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB25_0_CH342500



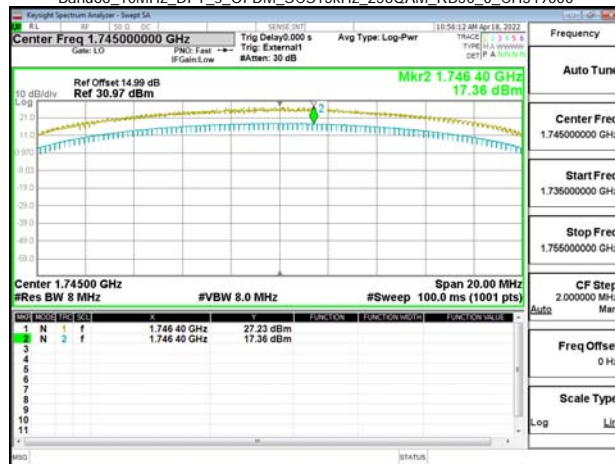
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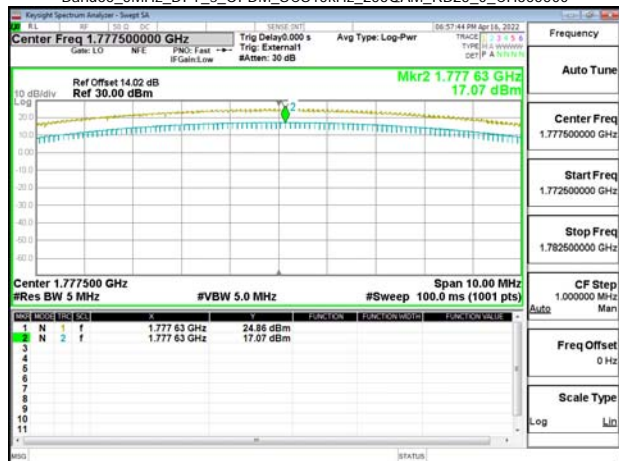
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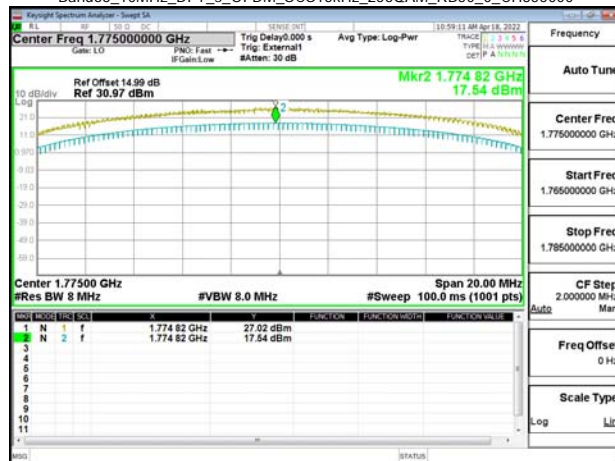
Band66_10MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB50_0_CH349000



Band66_5MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB25_0_CH355500



Band66_10MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB50_0_CH355000

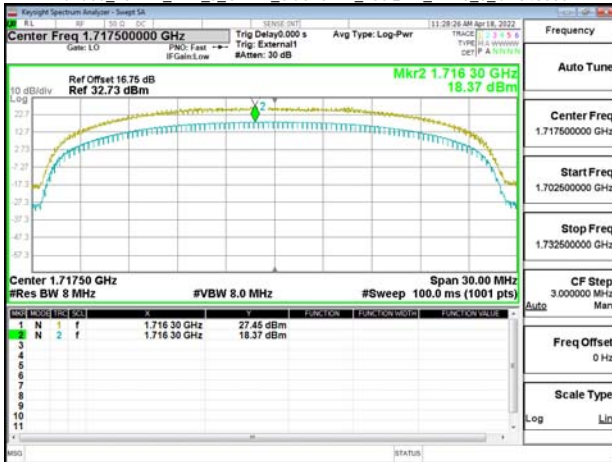


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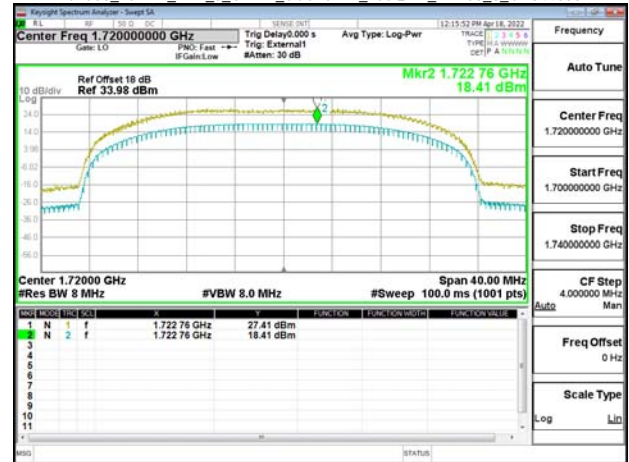
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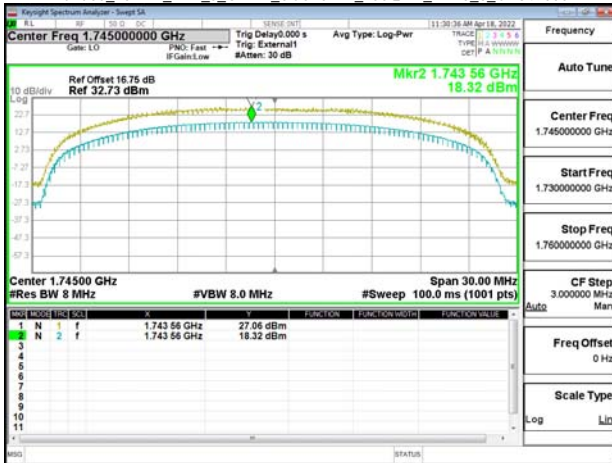
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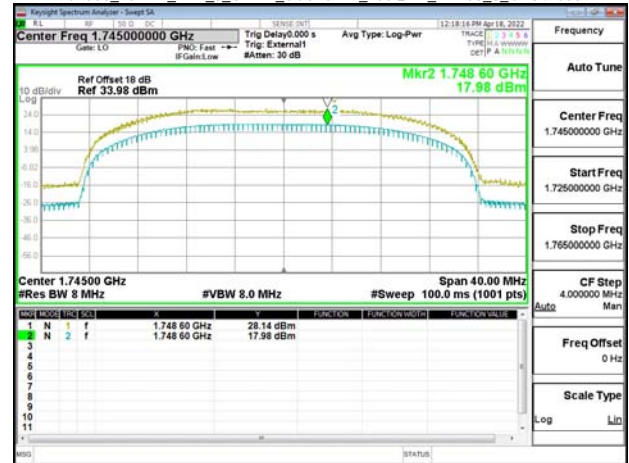
Band66_20MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB100_0_CH344000



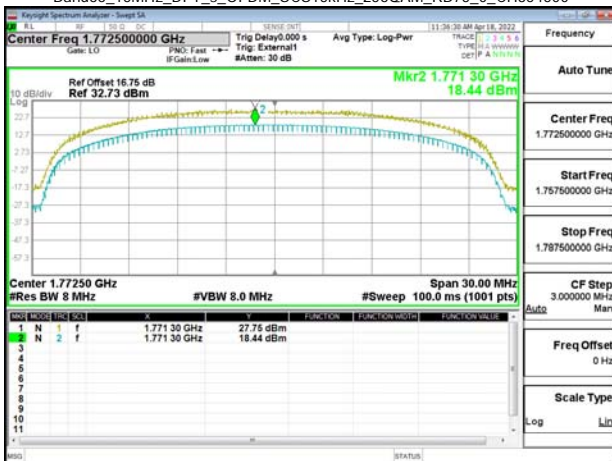
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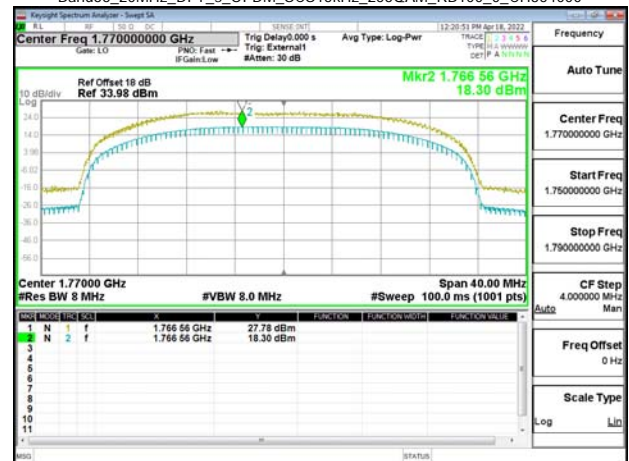
Band66_20MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB100_0_CH349000



Band66_15MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB75_0_CH354500



Band66_20MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB100_0_CH354000

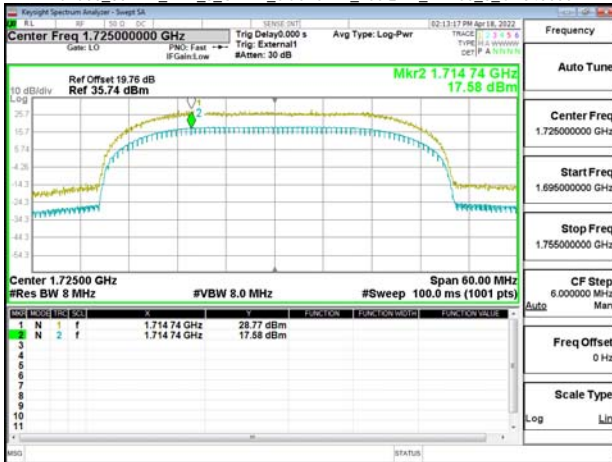


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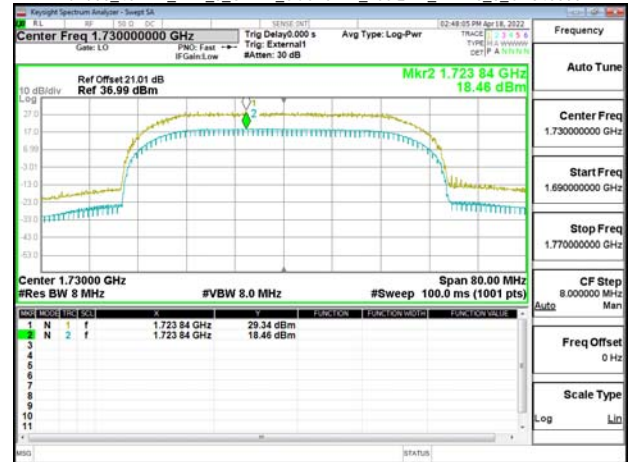
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Band66_30MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB160_0_CH345000



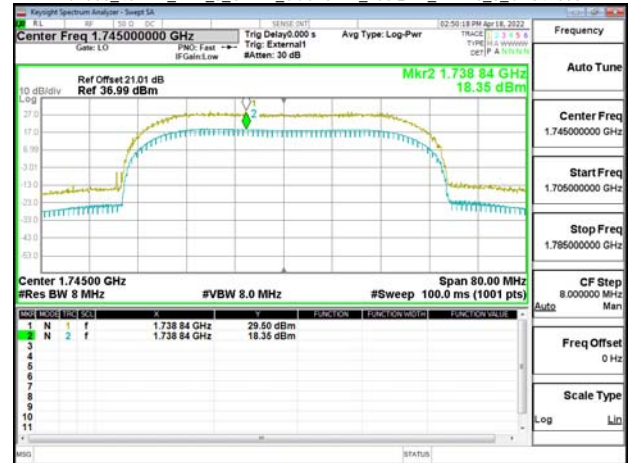
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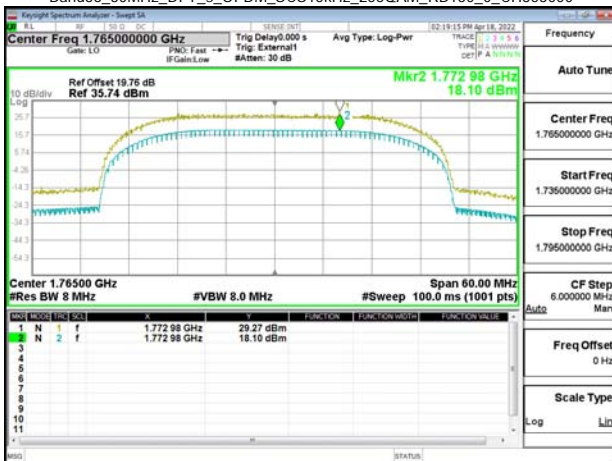
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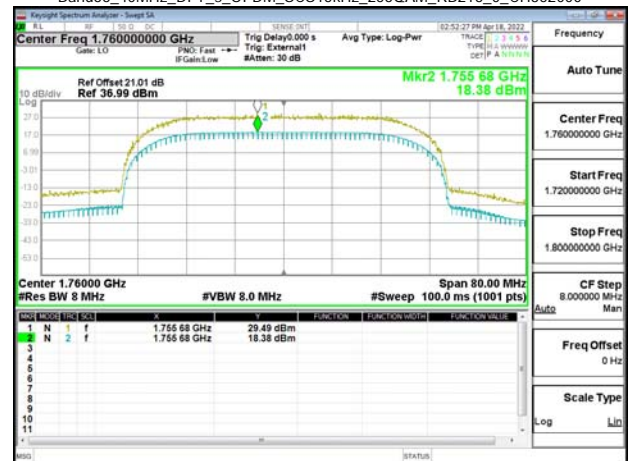
Band66_40MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB216_0_CH349000



Band66_30MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB160_0_CH353000



Band66_40MHz_DFT_s_OFDM_SCS15kHz_256QAM_RB216_0_CH352000



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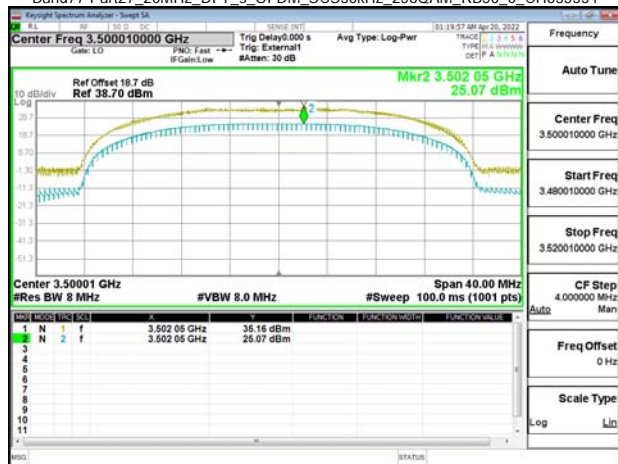
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Band77-Part27_30MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB75_0_CH631000



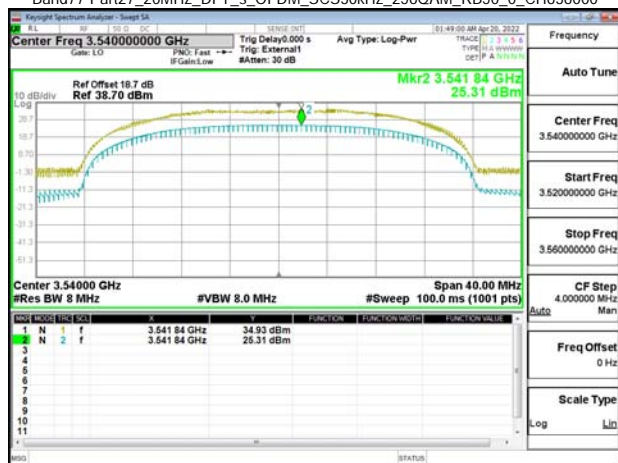
Band77-Part27_20MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB50_0_CH633334



Band77-Part27_30MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB75_0_CH633334



Band77-Part27_20MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB50_0_CH636000



Band77-Part27_30MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB75_0_CH635666

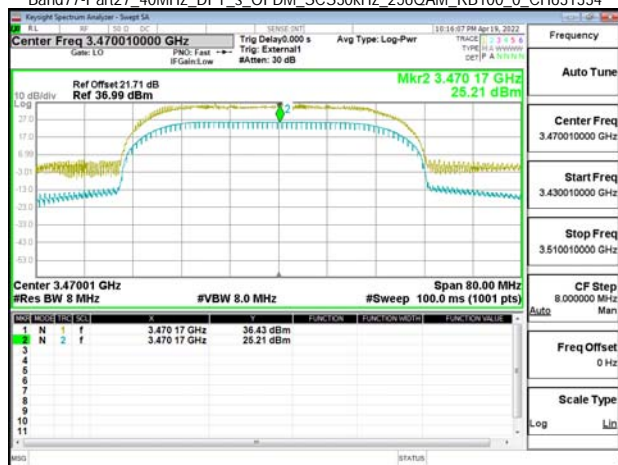


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Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH631334



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH632000



Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH633334



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH633334



Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH635332



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH634666



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Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH632668



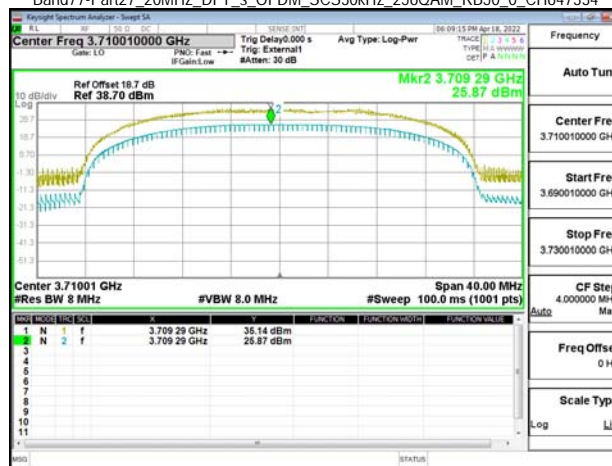
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Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH633334



Band77-Part27_20MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB50_0_CH647334



Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH634000



Band77-Part27_20MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB50_0_CH656000



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Band77-Part27_20MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB50_0_CH646666



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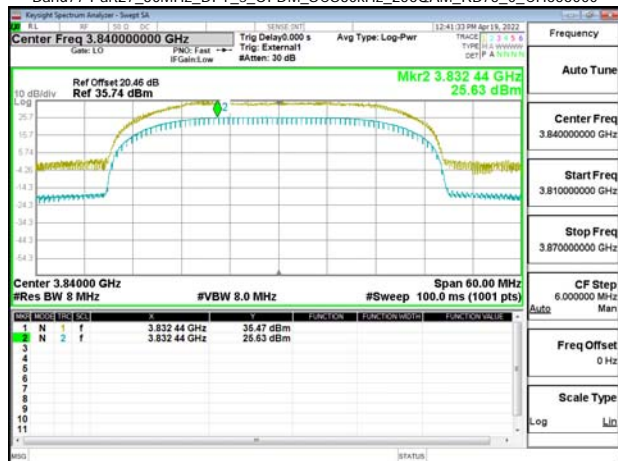
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Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH648000



Band77-Part27_30MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB75_0_CH656000



Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH656000



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Band77-Part27_40MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB100_0_CH664000



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH663332



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH648668



Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH649334



Band77-Part27_60MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB162_0_CH656000



Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH656000



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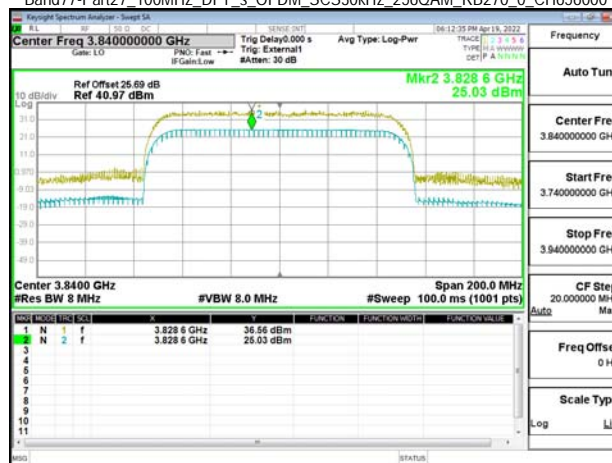
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Band77-Part27_80MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB216_0_CH662666



Band77-Part27_100MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB270_0_CH656000



Band77-Part27_100MHz_DFT_s_OFDM_SCS30kHz_256QAM_RB270_0_CH650000



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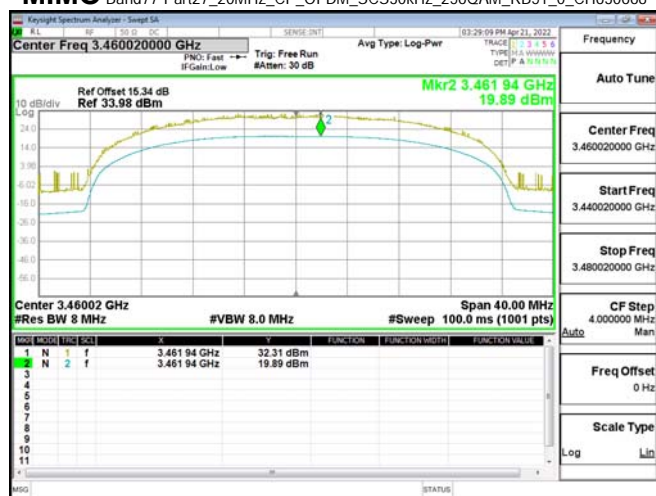


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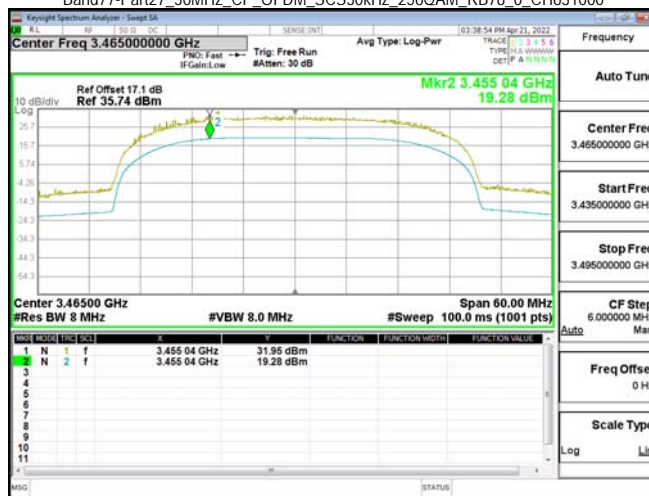
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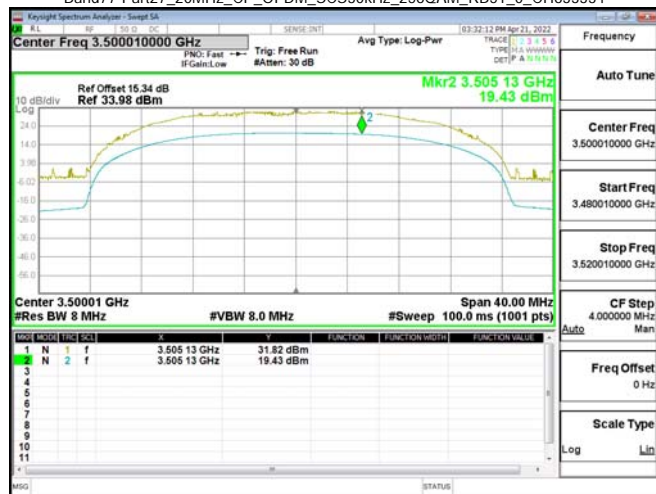
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Band77-Part27_30MHz_CP_OFDM_SCS30kHz_256QAM_RB78_0_CH631000



Band77-Part27_20MHz_CP_OFDM_SCS30kHz_256QAM_RB51_0_CH633334



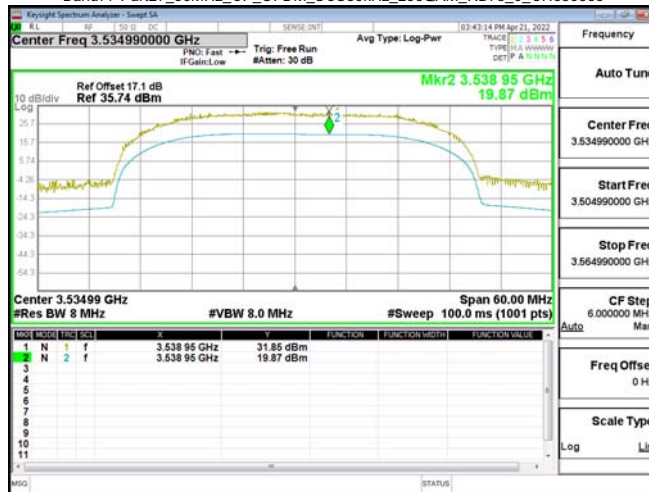
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Band77-Part27_20MHz_CP_OFDM_SCS30kHz_256QAM_RB51_0_CH636000



Band77-Part27_30MHz_CP_OFDM_SCS30kHz_256QAM_RB78_0_CH635666

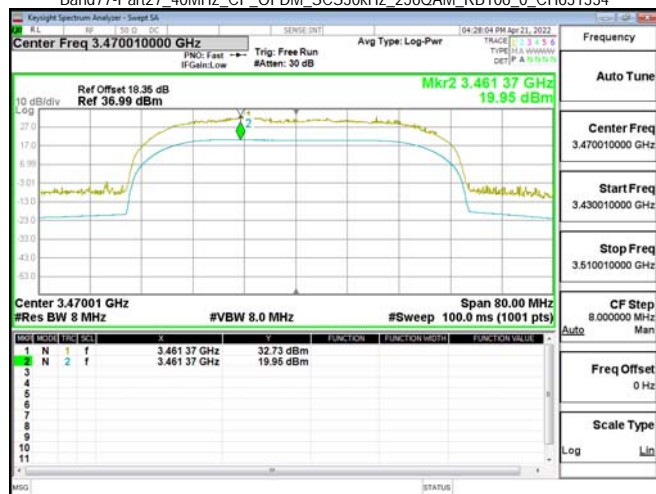


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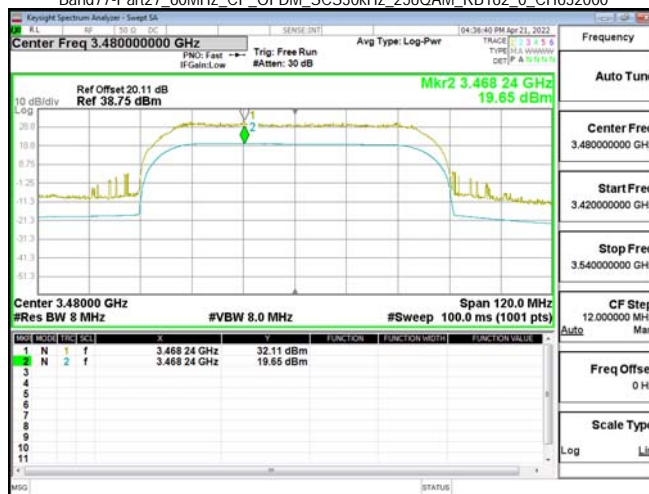
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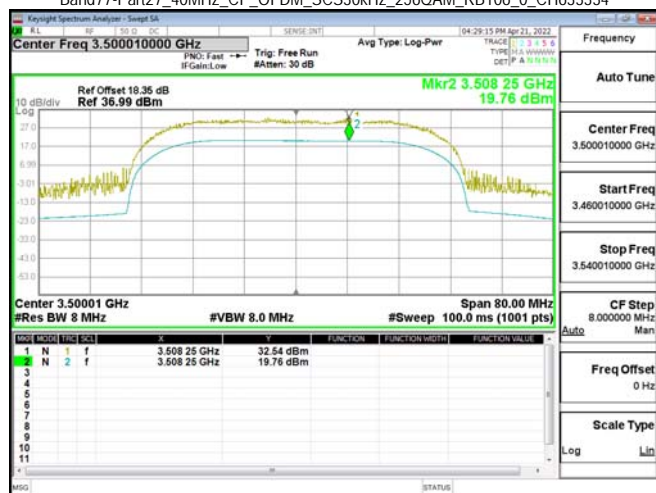
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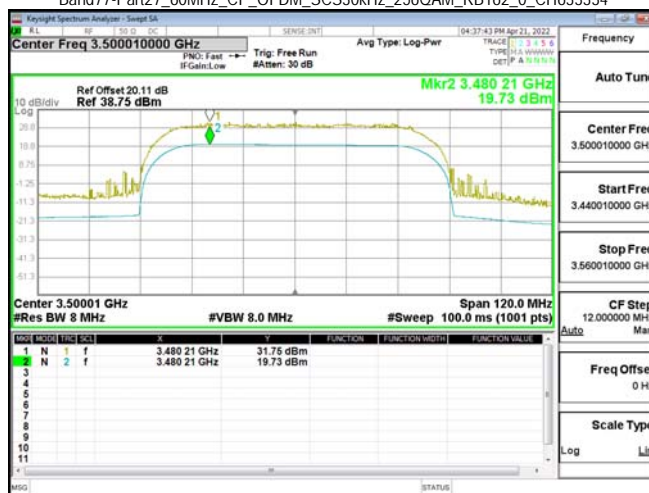
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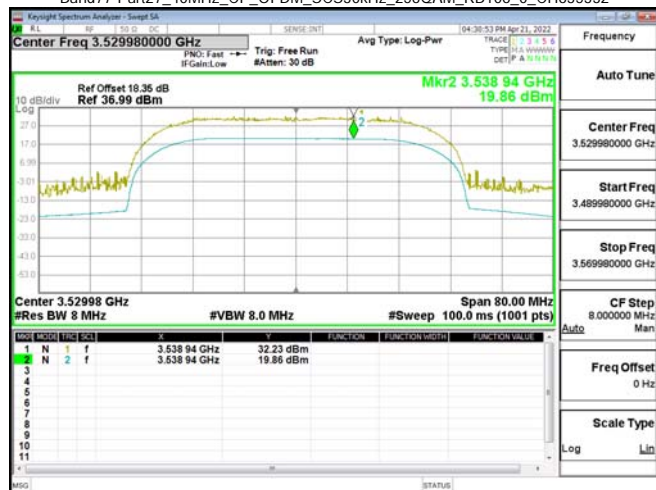
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Band77-Part27_60MHz_CP_OFDM_SCS30kHz_256QAM_RB162_0_CH633334



Band77-Part27_40MHz_CP_OFDM_SCS30kHz_256QAM_RB106_0_CH635332



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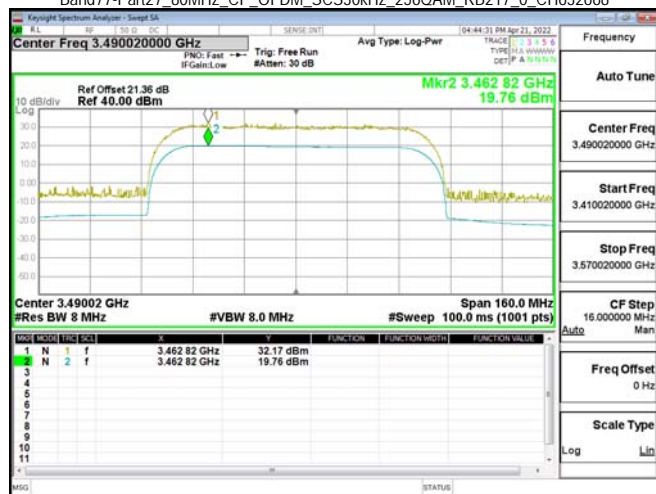


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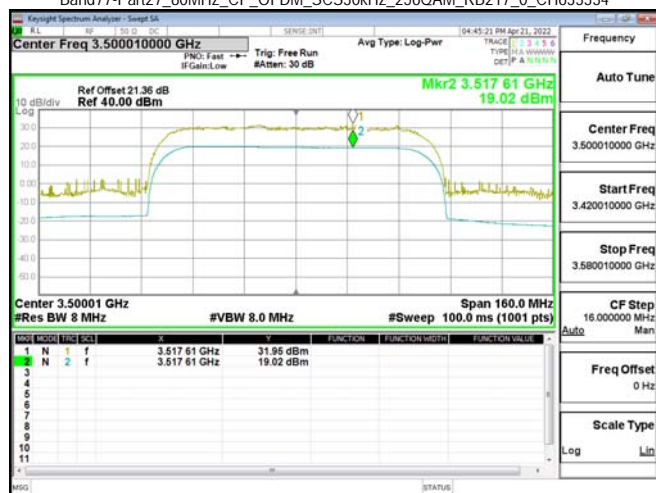
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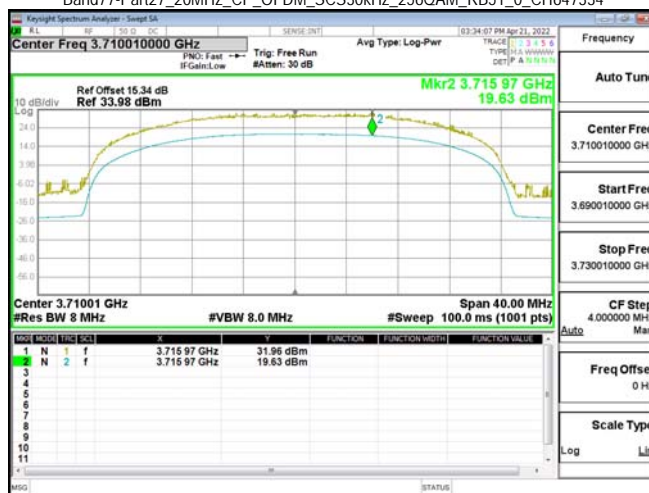
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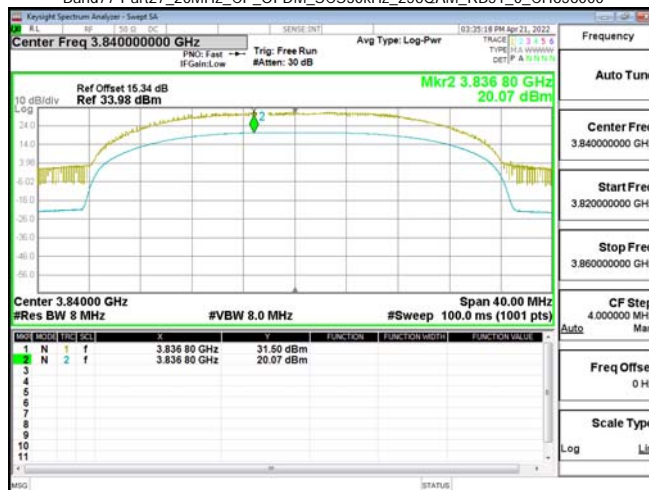
Band77-Part27_20MHz_CP_OFDM_SCS30kHz_256QAM_RB51_0_CH647334



Band77-Part27_80MHz_CP_OFDM_SCS30kHz_256QAM_RB217_0_CH634000



Band77-Part27_20MHz_CP_OFDM_SCS30kHz_256QAM_RB51_0_CH656000



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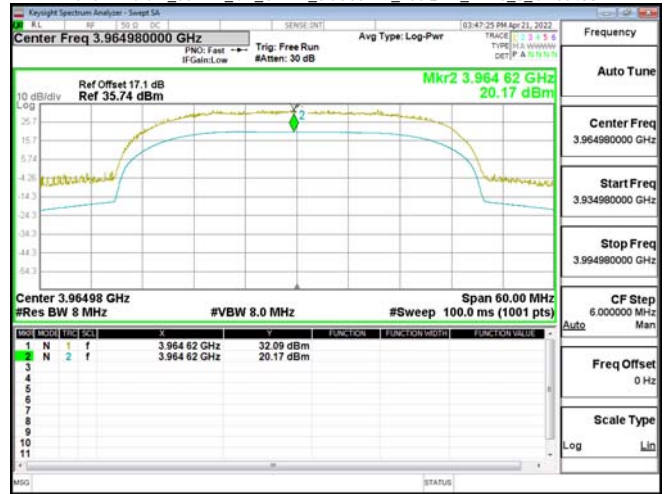
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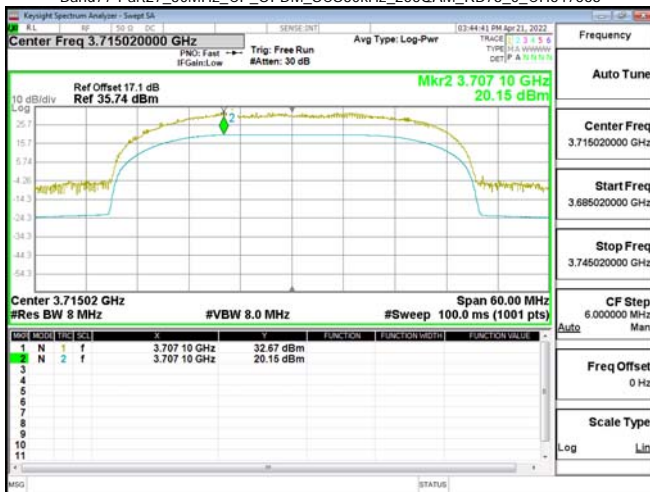
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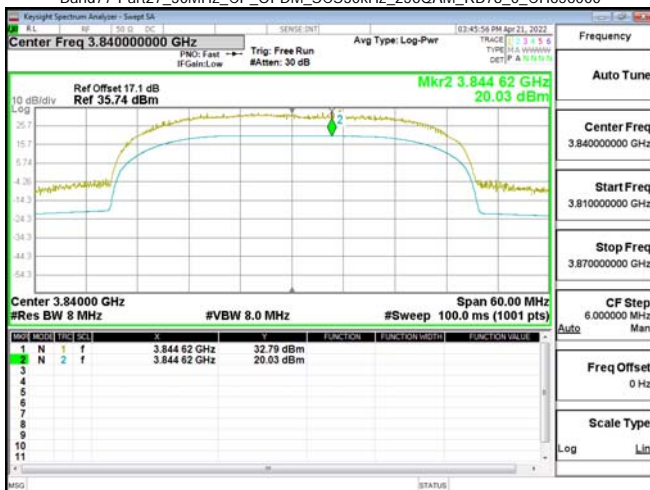
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Band77-Part27_40MHz_CP_OFDM_SCS30kHz_256QAM_RB106_0_CH648000



Band77-Part27_30MHz_CP_OFDM_SCS30kHz_256QAM_RB78_0_CH656000



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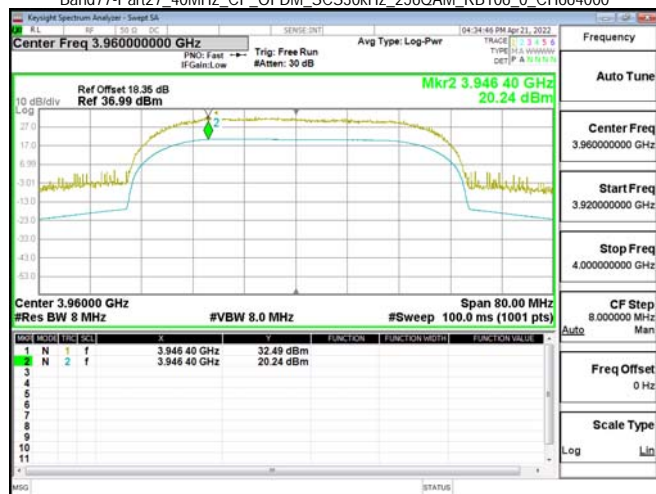


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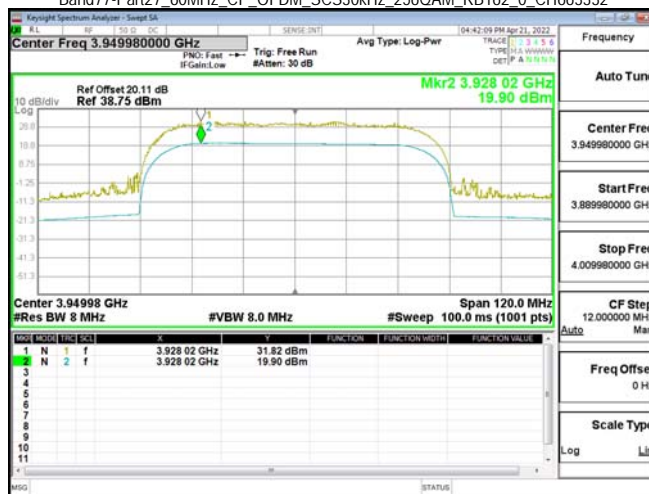
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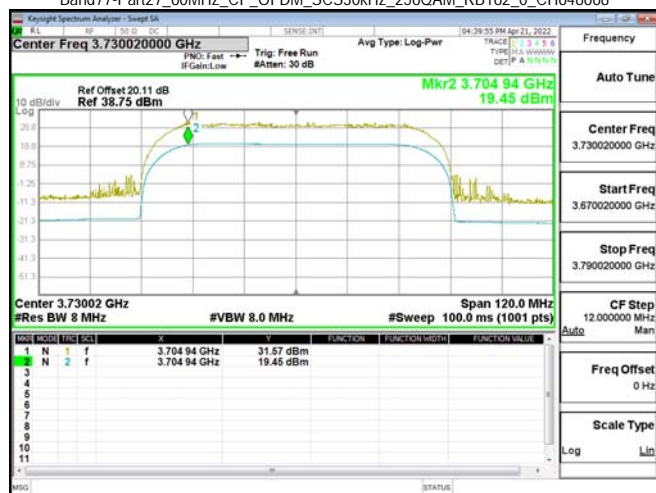
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Band77-Part27_60MHz_CP_OFDM_SCS30kHz_256QAM_RB162_0_CH66332



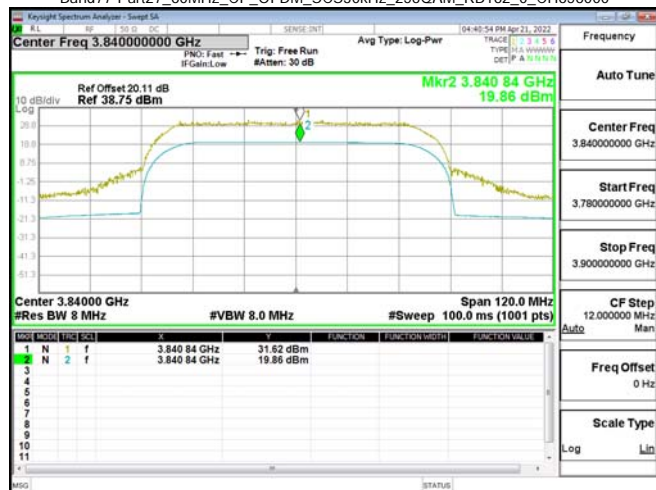
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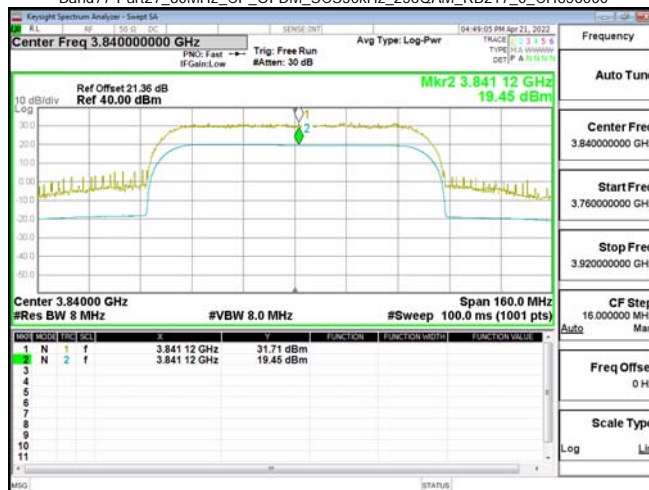
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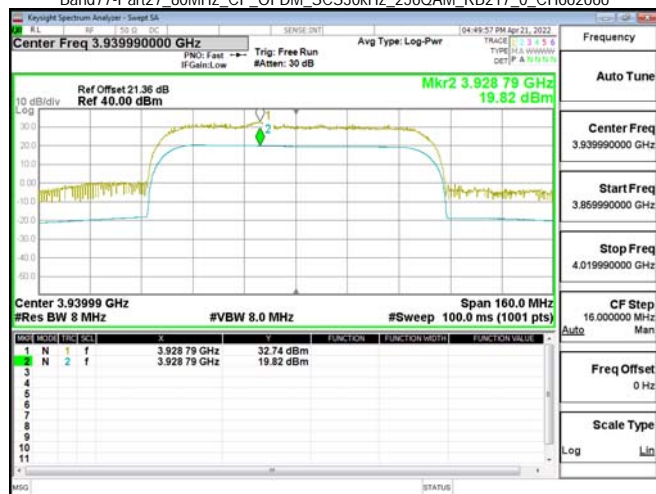


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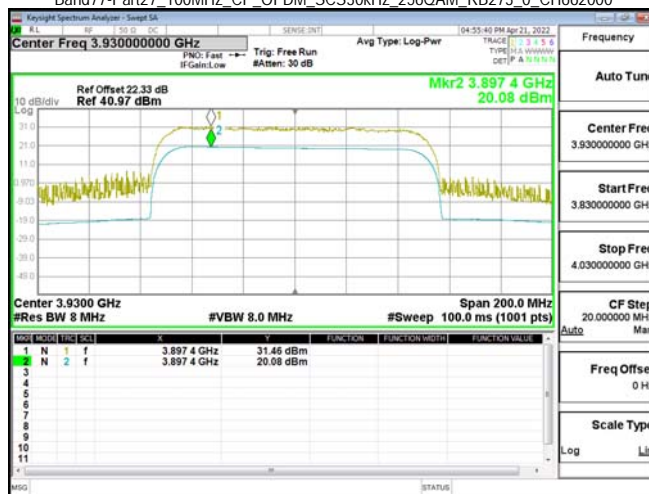
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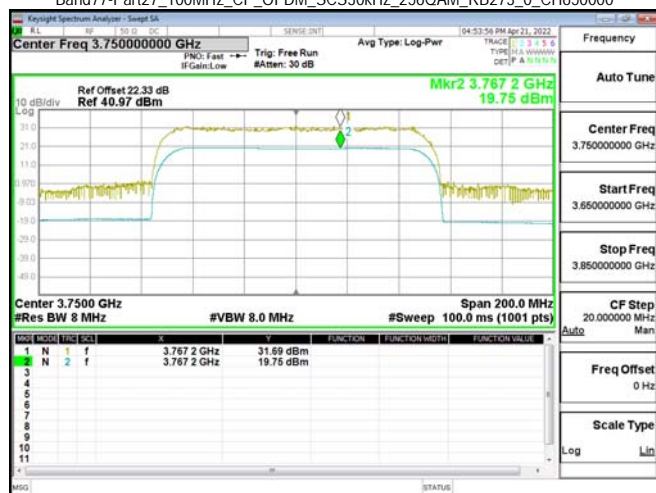
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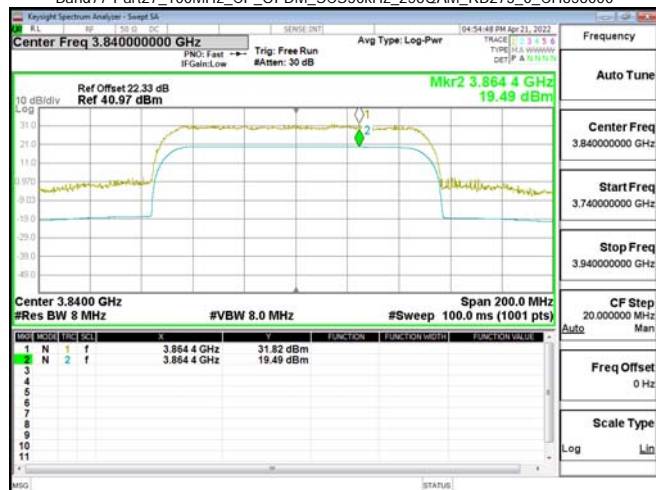
Band77-Part27_100MHz_CP_OFDM_SCS30kHz_256QAM_RB273_0_CH662000



Band77-Part27_100MHz_CP_OFDM_SCS30kHz_256QAM_RB273_0_CH650000



Band77-Part27_100MHz_CP_OFDM_SCS30kHz_256QAM_RB273_0_CH656000



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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