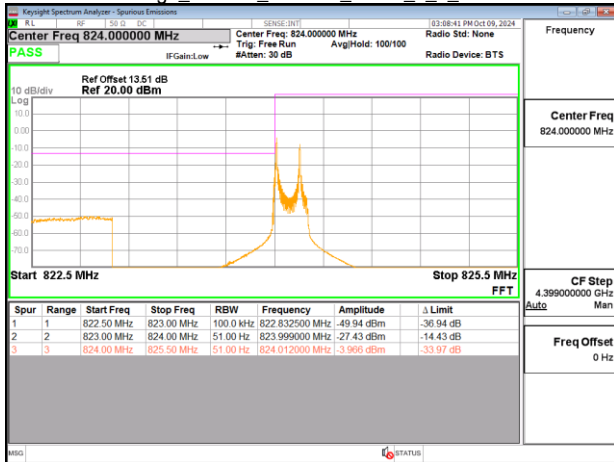
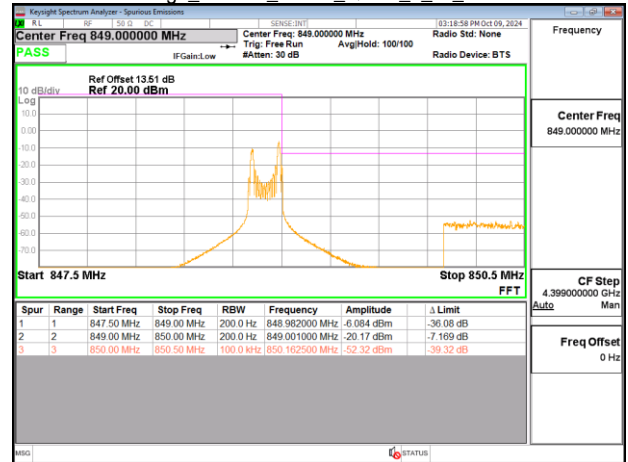


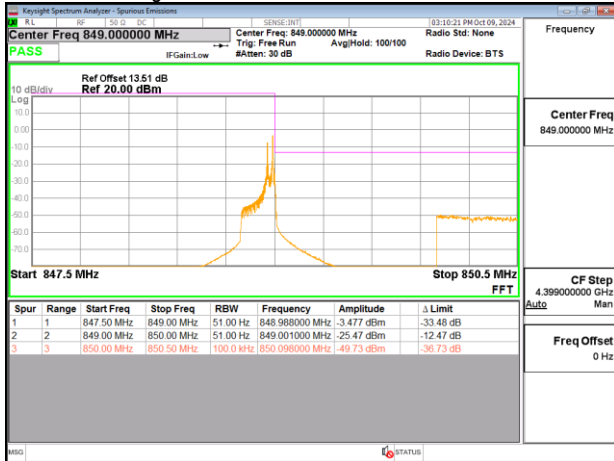
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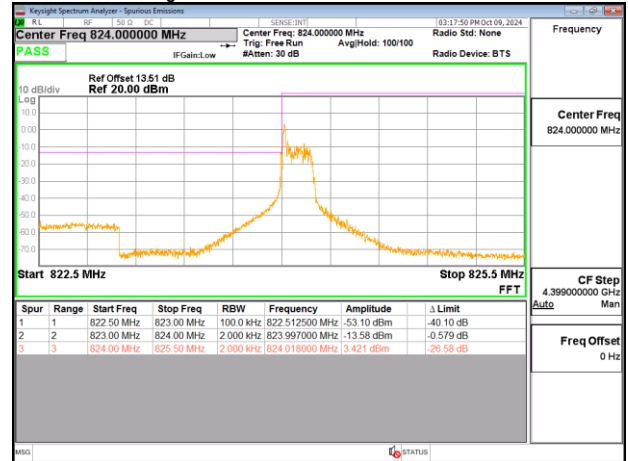
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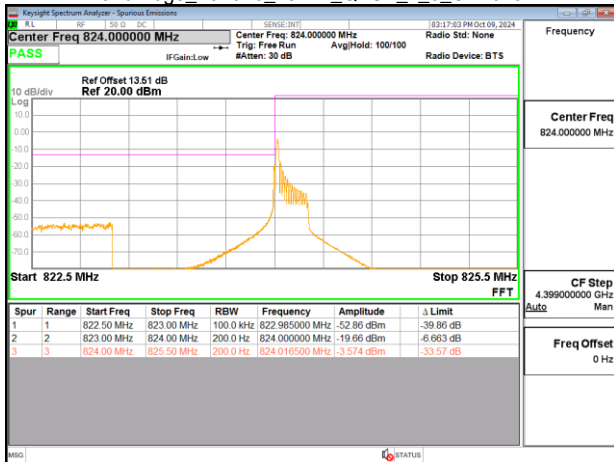
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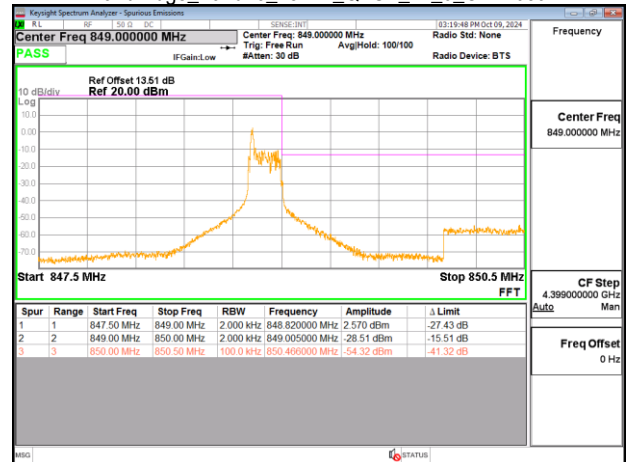
Band Edge\_Band26\_15kHz\_QPSK\_12\_0\_CH26791



Band Edge\_Band26\_15kHz\_QPSK\_1\_0\_CH26791



Band Edge\_Band26\_15kHz\_QPSK\_12\_0\_CH27039

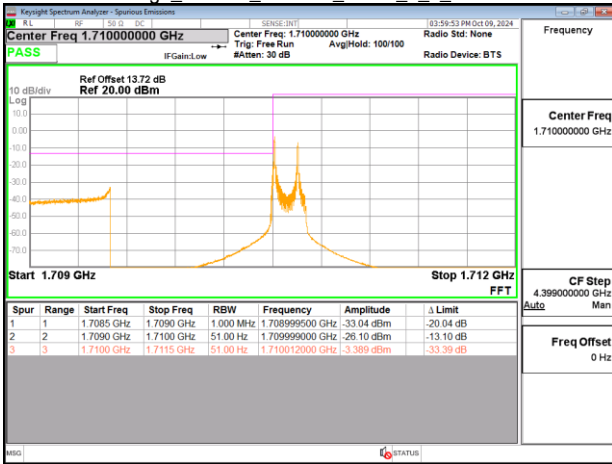


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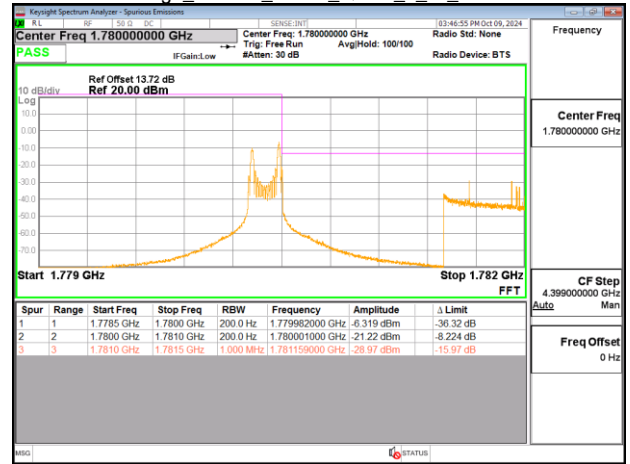
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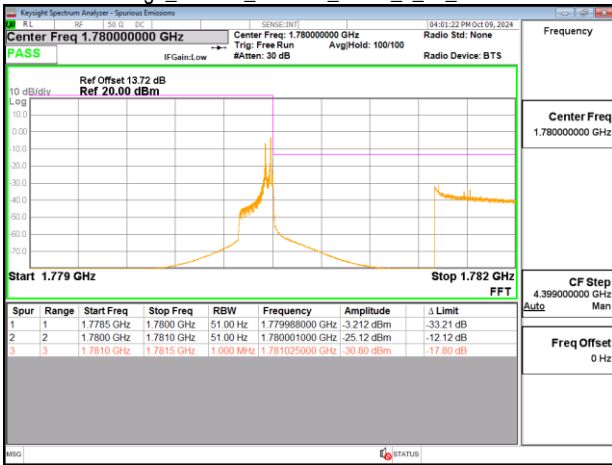
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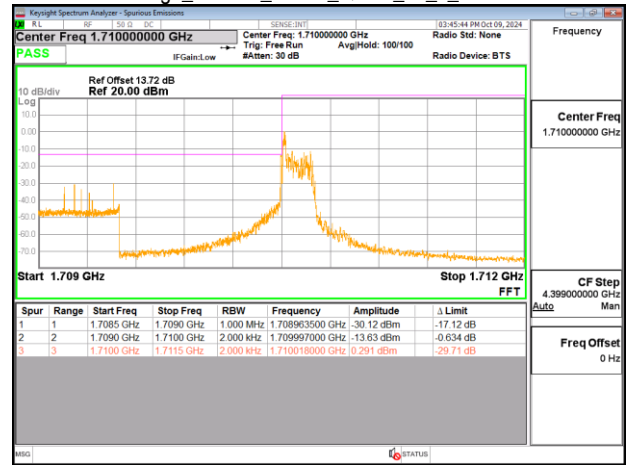
Band Edge\_Band66\_15kHz\_QPSK\_1\_11\_CH132671



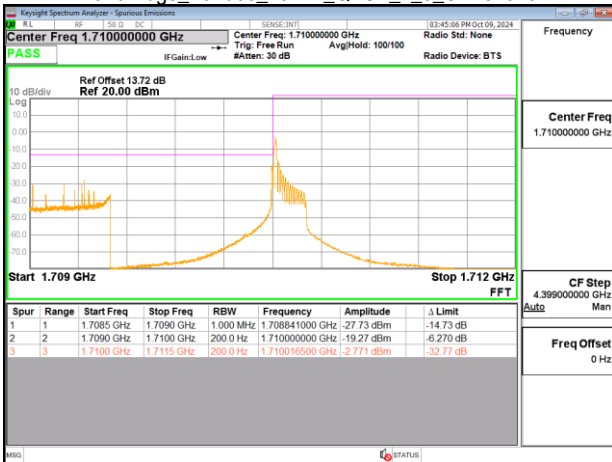
Band Edge\_Band66\_3.75kHz\_BPSK\_1\_47\_CH132671



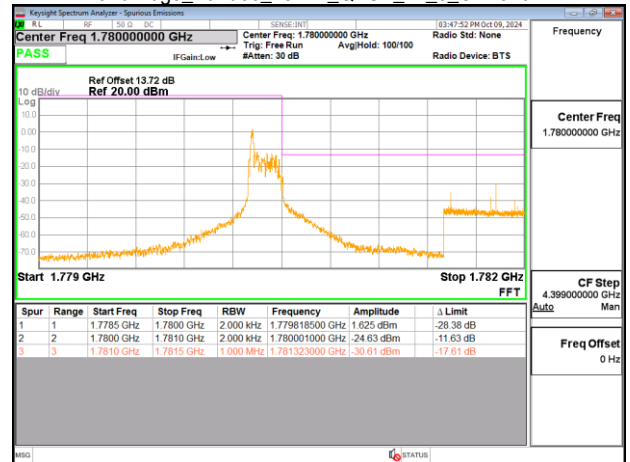
Band Edge\_Band66\_15kHz\_QPSK\_12\_0\_CH131973



Band Edge\_Band66\_15kHz\_QPSK\_1\_0\_CH131973



Band Edge\_Band66\_15kHz\_QPSK\_12\_0\_CH132671



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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), §90.543(e)(3)**

**RSS-130 §4.7, RSS-132 §5.5, RSS-133 §5.6, RSS-139 §5.6**

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

#### **FCC §27.53(g)**

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

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

#### **FCC §27.53(h)(1)**

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

#### **FCC §90.691 Emission mask requirements for EA-based systems**

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

- (1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $116 \log_{10}(f/6.1)$  decibels or  $50 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.
- (2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10}(P)$  decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

#### **RSS-130 §4.7.1**

Compliance for operations in the 617-652 MHz, 663-698 MHz, 698-756 MHz and the 777-787 MHz band, the unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least  $43 + 10 \log_{10} p$  (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

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### RSS-130 §4.7.2

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:

$76 + 10 \log_{10} p$  (watts), dB, for base and fixed equipment and

$65 + 10 \log_{10} p$  (watts), dB, for mobile and portable equipment

the e.i.r.p. in the band 1559-1610 MHz shall not exceed -70 dBW/MHz for wideband signal and -80 dBW for discrete emission with bandwidth less than 700 Hz.

### RSS-132 §5.5

i. Equipment shall meet the unwanted emission limits specified below:

In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least  $43 + 10 \log(p)$  dB.

ii. After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least  $43 + 10 \log(p)$  dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

### RSS-133 §5.6

Unwanted emissions shall be measured in terms of average values while the transmitter is operating at the manufacturer's rated power and modulated as specified in RSS-Gen. Equipment shall meet the unwanted emission limits, specified in table 3, outside each frequency block group. For each channel bandwidth supported by the equipment under test, the unwanted emissions shall be measured and reported for two channel frequencies: one located as close as possible to the low end and one located as close as possible to the high end of the equipment's operating frequency range. For the unwanted emission limits, in the 1 MHz bands immediately outside and adjacent to the frequency block group, the power shall be measured with a resolution bandwidth of at least 1% of the occupied bandwidth (OBW). Beyond these 1 MHz bands, a resolution bandwidth of 1 MHz shall be used. A narrower resolution bandwidth may be used, provided that the Personal Communications Service Equipment Operating in the Bands 1850-1915 MHz and 1930-1995 MHz RSS-133 6 measured power is integrated over the full required measurement bandwidth of 1 MHz, or 1% of the OBW, as applicable. For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

**Table 3: Unwanted emission limits for all equipment**

Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limits
$\leq 1$	-13 dBm/(1% of OB*)
$> 1$ MHz	-13 dBm/MHz

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**RSS-139 §5.6**

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

<b>Table 6: Table 6: Unwanted emission limits</b>	
<b>Offset from the edge of the frequency block or frequency block group</b>	<b>Unwanted emission limits</b>
1 MHz	-13 dBm/(1% of OB*)
>1 MHz	-13 dBm/MHz
Subscriber equipment	30 dBm e.i.r.p./channel bandwidth

\*OB is the occupied bandwidth.

In addition to complying with the above limits, equipment operating in the band 2180-2200 MHz may require additional filtering (see SRSP-519).

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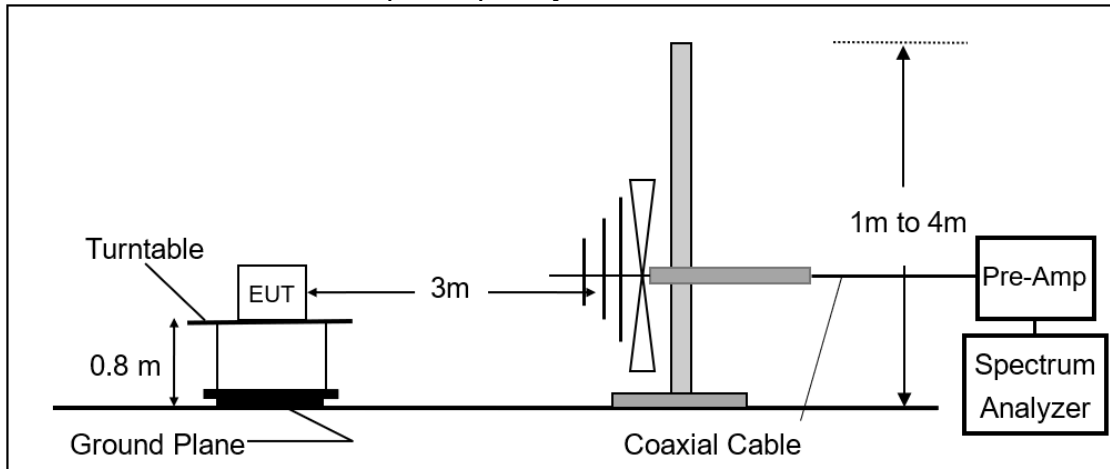
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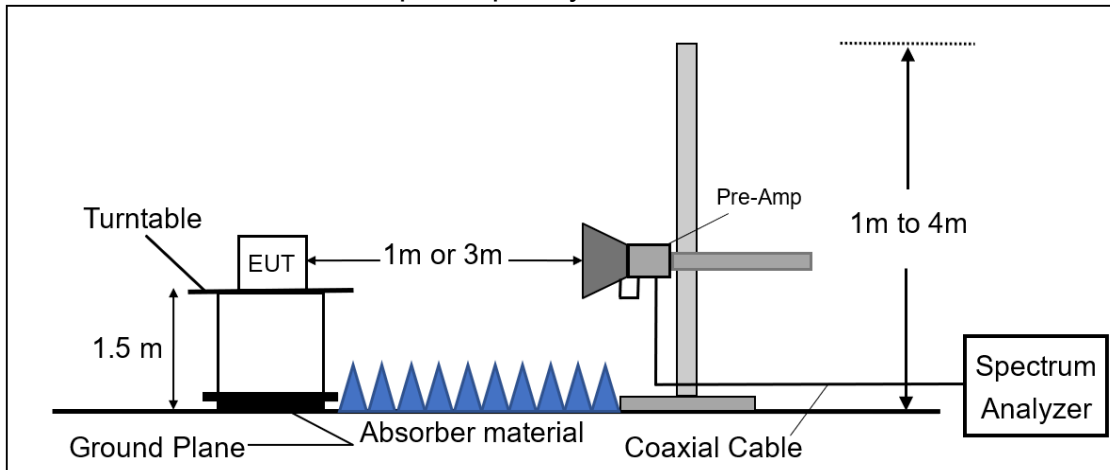
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## 10.2 EUT Setup

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



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



## 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.

$$\text{ERP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBd)} + \text{Cable Loss(dB)}$$

$$\text{EIRP (dBm)} = \text{SG Level(dBm)} + \text{Antenna Gain(dBi)} + \text{Cable Loss(dB)}$$

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## 10.4 Measurement Result:

(TX)

Report Number :TERF2408002532ER

Operation Mode :NB-IoT B2

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1850.1 MHz

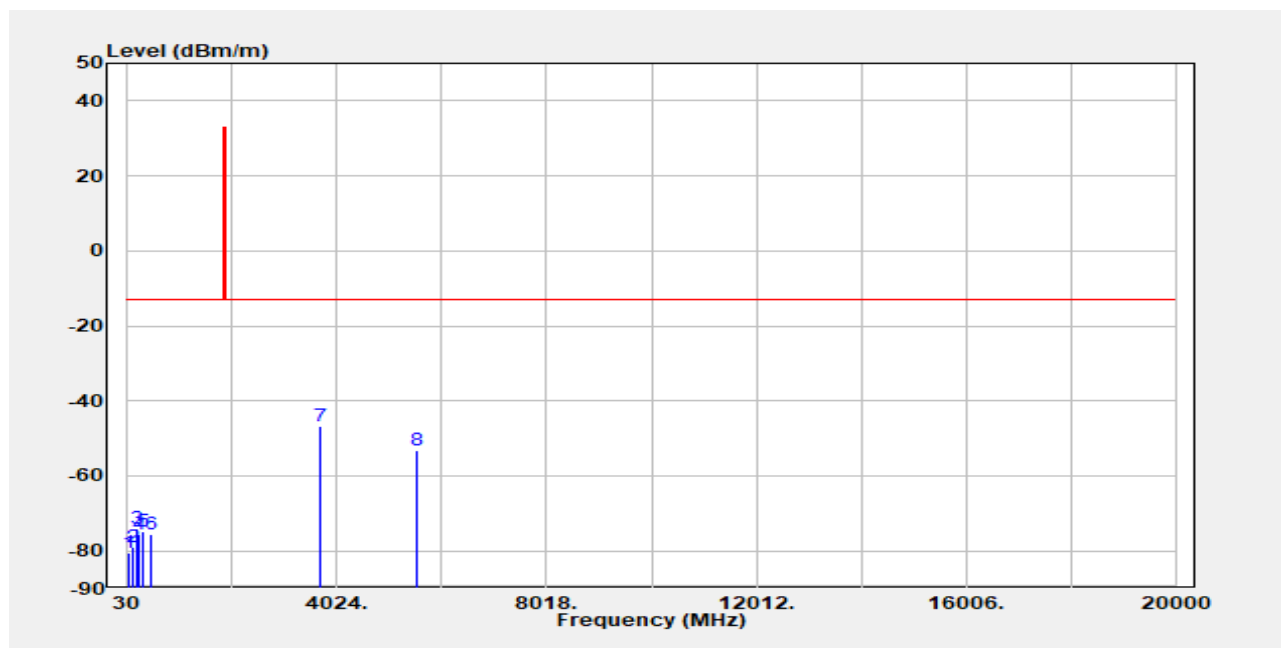
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-80.66	-70.58	-8.61	-1.46	-13.00	-67.66
127.970	-79.06	-75.31	-1.68	-2.07	-13.00	-66.06
216.240	-74.19	-76.08	4.58	-2.69	-13.00	-61.19
239.520	-75.40	-76.29	3.71	-2.83	-13.00	-62.40
328.760	-74.67	-75.22	3.87	-3.31	-13.00	-61.67
492.690	-75.41	-75.33	3.97	-4.05	-13.00	-62.41
3700.200	-46.89	-48.03	12.50	-11.35	-13.00	-33.89
5550.300	-53.14	-52.08	13.00	-14.06	-13.00	-40.14

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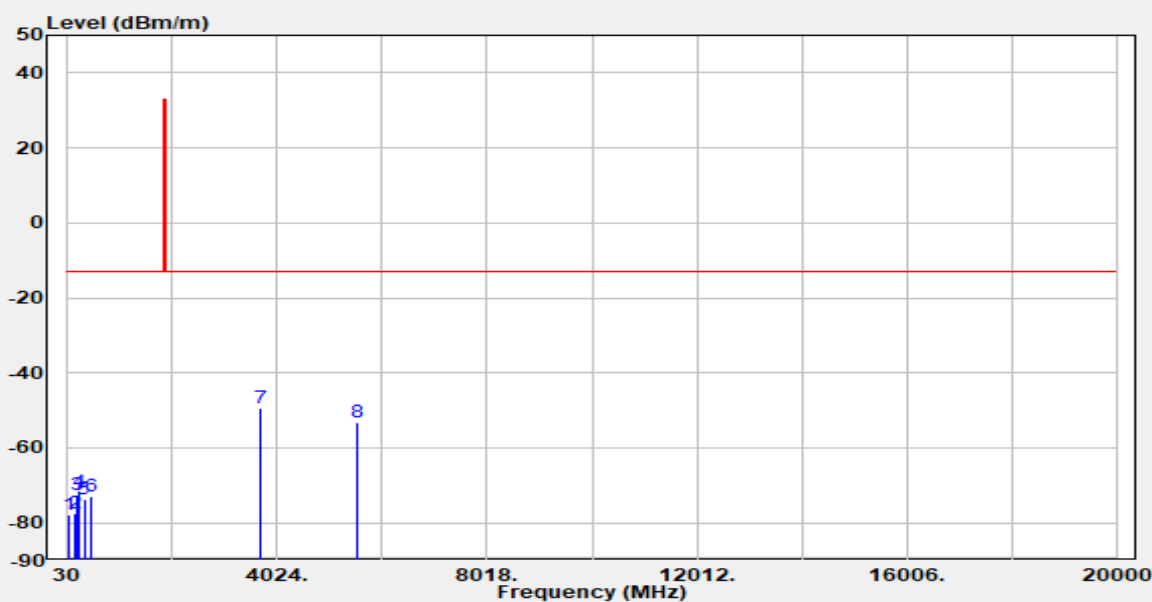
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B2  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1850.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
62.980	-77.84	-67.55	-8.83	-1.45	-13.00	-64.84
167.740	-77.34	-74.61	-0.35	-2.37	-13.00	-64.34
216.240	-72.59	-74.49	4.58	-2.69	-13.00	-59.59
263.770	-71.62	-72.80	4.15	-2.98	-13.00	-58.62
341.370	-73.83	-74.47	4.02	-3.38	-13.00	-60.83
493.660	-72.85	-72.77	3.97	-4.05	-13.00	-59.85
3700.200	-49.52	-50.67	12.50	-11.35	-13.00	-36.52
5550.300	-53.16	-52.10	13.00	-14.06	-13.00	-40.16

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B2

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1880 MHz

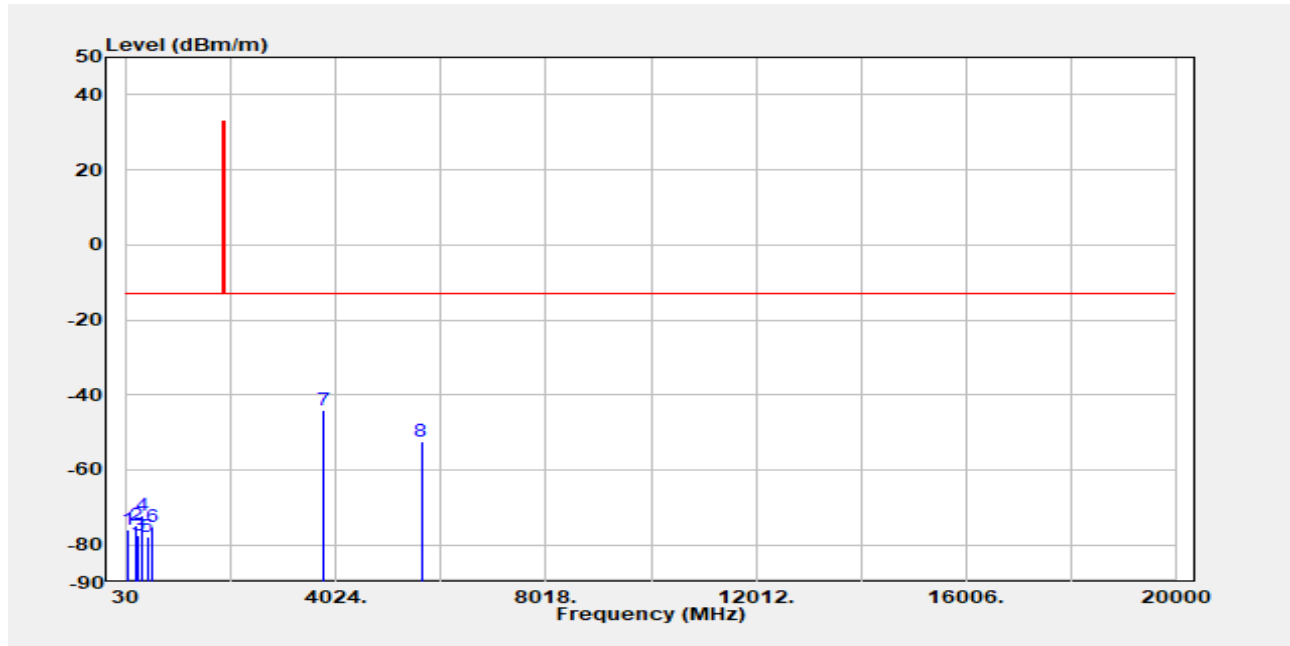
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



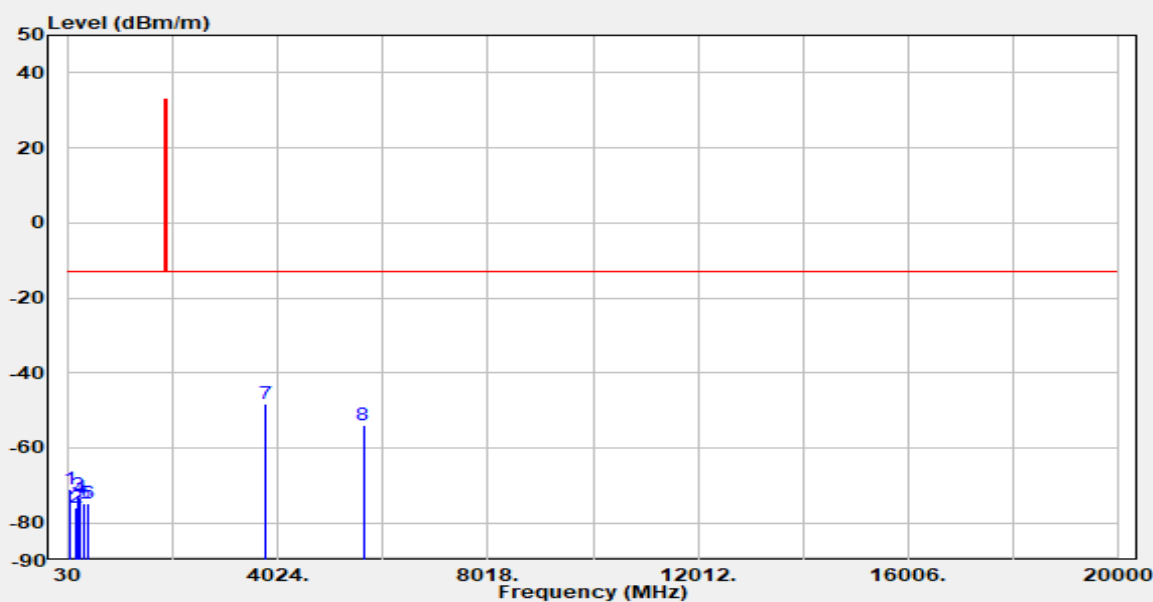
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.88	-65.80	-8.61	-1.46	-13.00	-62.88
216.240	-74.77	-76.66	4.58	-2.69	-13.00	-61.77
263.770	-77.34	-78.52	4.15	-2.98	-13.00	-64.34
329.730	-72.10	-72.63	3.85	-3.32	-13.00	-59.10
418.970	-77.95	-78.35	4.14	-3.73	-13.00	-64.95
520.820	-75.08	-74.91	4.00	-4.16	-13.00	-62.08
3760.000	-44.02	-45.07	12.50	-11.44	-13.00	-31.02
5640.000	-52.47	-51.58	13.28	-14.17	-13.00	-39.47

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B2  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1880 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



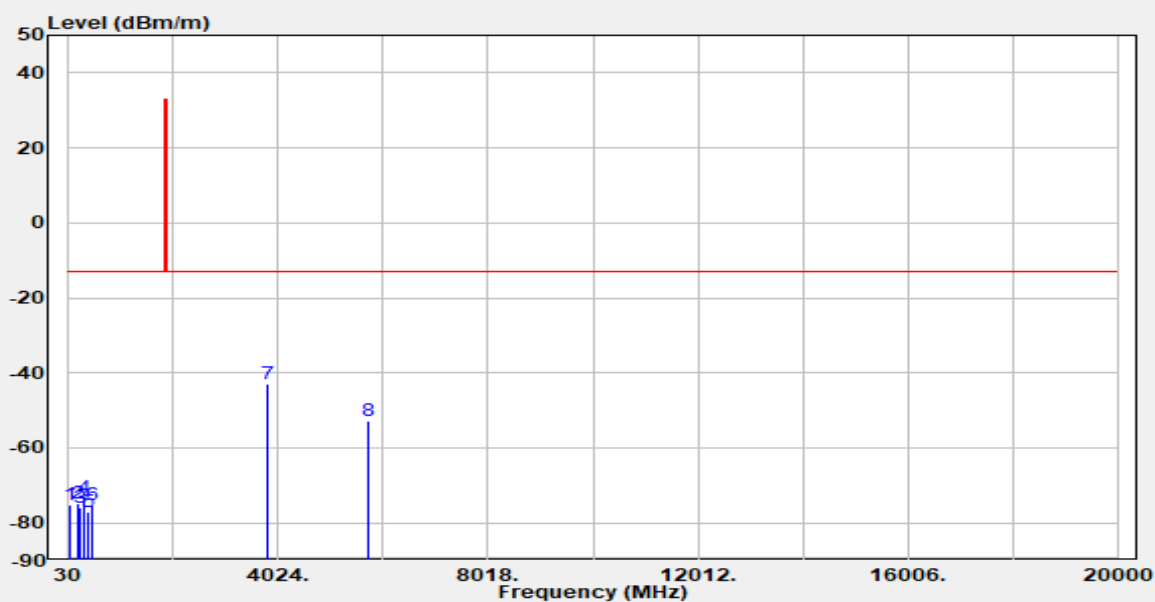
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.06	-60.98	-8.61	-1.46	-13.00	-58.06
167.740	-75.81	-73.09	-0.35	-2.37	-13.00	-62.81
216.240	-72.52	-74.41	4.58	-2.69	-13.00	-59.52
263.770	-73.27	-74.45	4.15	-2.98	-13.00	-60.27
328.760	-74.99	-75.54	3.87	-3.31	-13.00	-61.99
406.360	-74.67	-74.95	3.96	-3.68	-13.00	-61.67
3760.000	-48.08	-49.14	12.50	-11.44	-13.00	-35.08
5640.000	-54.13	-53.25	13.28	-14.17	-13.00	-41.13

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B2  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1909.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.30	-65.23	-8.61	-1.46	-13.00	-62.30
216.240	-74.78	-76.67	4.58	-2.69	-13.00	-61.78
239.520	-75.84	-76.72	3.71	-2.83	-13.00	-62.84
328.760	-73.41	-73.96	3.87	-3.31	-13.00	-60.41
409.270	-77.02	-77.36	4.02	-3.69	-13.00	-64.02
492.690	-75.30	-75.22	3.97	-4.05	-13.00	-62.30
3819.800	-42.83	-43.76	12.46	-11.53	-13.00	-29.83
5729.700	-52.96	-51.77	13.10	-14.29	-13.00	-39.96

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B2

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1909.9 MHz

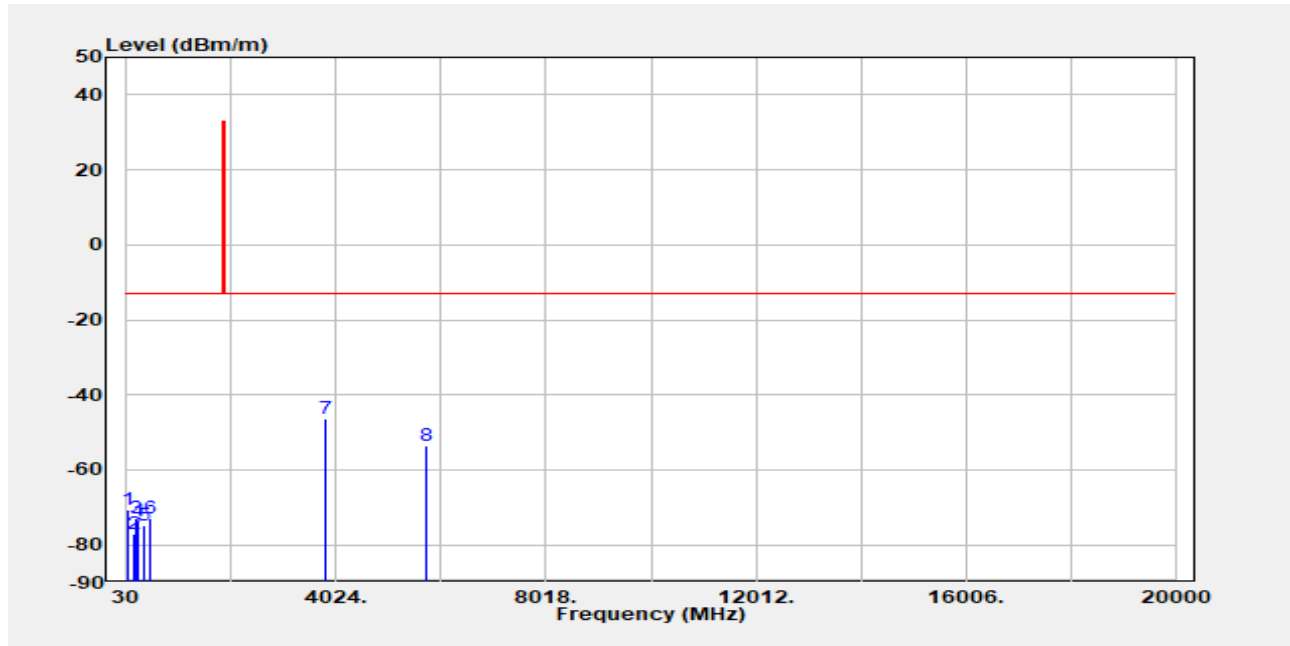
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna Pol. :Horizontal

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-70.67	-60.60	-8.61	-1.46	-13.00	-57.67
167.740	-77.12	-74.39	-0.35	-2.37	-13.00	-64.12
216.240	-72.89	-74.78	4.58	-2.69	-13.00	-59.89
263.770	-73.86	-75.03	4.15	-2.98	-13.00	-60.86
377.260	-74.67	-75.14	4.02	-3.55	-13.00	-61.67
493.660	-72.74	-72.66	3.97	-4.05	-13.00	-59.74
3819.800	-46.51	-47.44	12.46	-11.53	-13.00	-33.51
5729.700	-53.39	-52.20	13.10	-14.29	-13.00	-40.39

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Member of SGS Group

Report Number :TERF2408002532ER

Operation Mode :NB-IoT B4

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1710.1 MHz

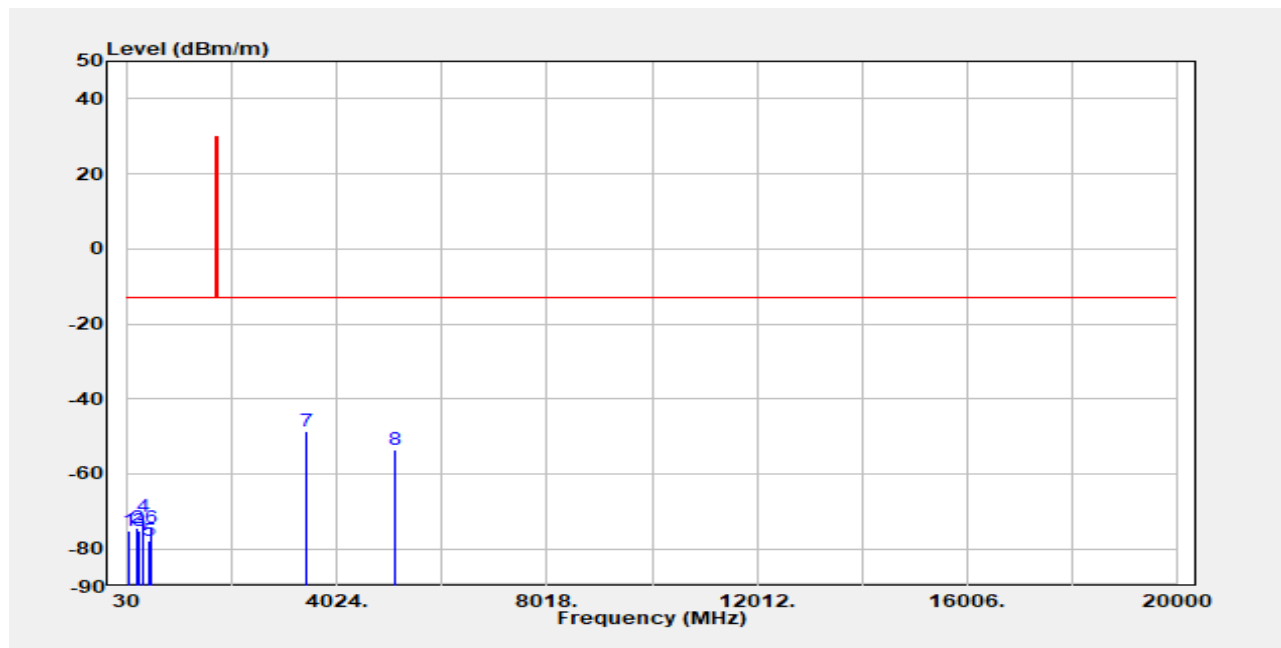
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.13	-65.06	-8.61	-1.46	-13.00	-62.13
216.240	-74.50	-76.40	4.58	-2.69	-13.00	-61.50
231.760	-75.02	-76.70	4.46	-2.78	-13.00	-62.02
329.730	-71.34	-71.87	3.85	-3.32	-13.00	-58.34
449.040	-77.90	-77.74	3.70	-3.87	-13.00	-64.90
493.660	-74.53	-74.45	3.97	-4.05	-13.00	-61.53
3420.200	-48.56	-50.26	12.60	-10.90	-13.00	-35.56
5130.300	-53.52	-52.43	12.40	-13.48	-13.00	-40.52

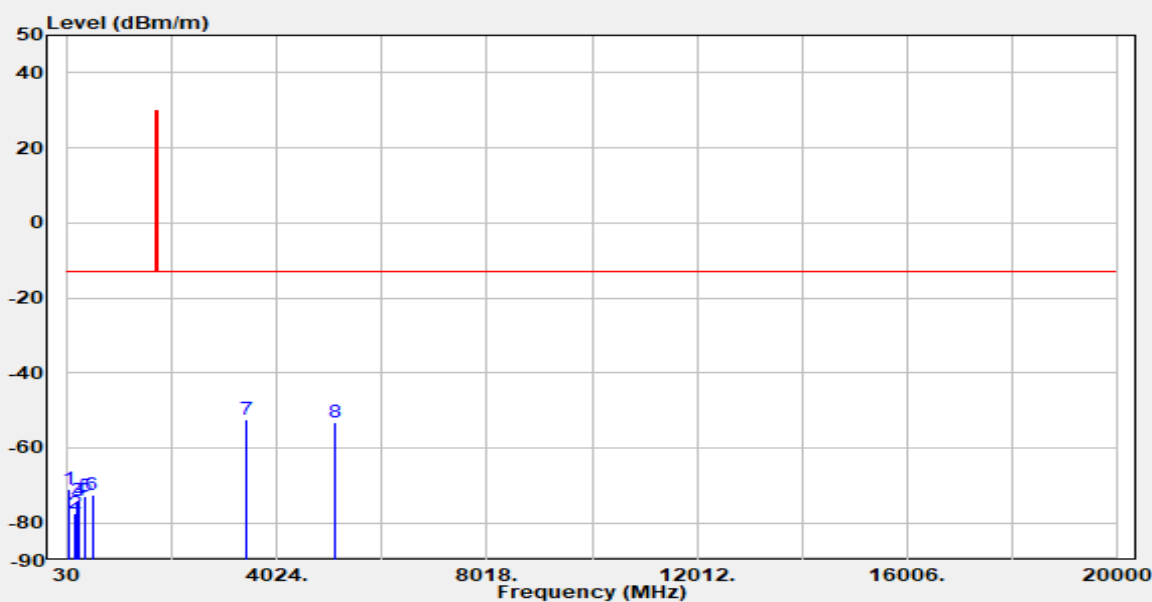
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B4  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1710.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.19	-61.12	-8.61	-1.46	-13.00	-58.19
167.740	-77.33	-74.61	-0.35	-2.37	-13.00	-64.33
216.240	-74.09	-75.98	4.58	-2.69	-13.00	-61.09
263.770	-74.00	-75.17	4.15	-2.98	-13.00	-61.00
345.250	-72.91	-73.57	4.05	-3.39	-13.00	-59.91
494.630	-72.58	-72.49	3.97	-4.06	-13.00	-59.58
3420.200	-52.35	-54.05	12.60	-10.90	-13.00	-39.35
5130.300	-53.16	-52.08	12.40	-13.48	-13.00	-40.16

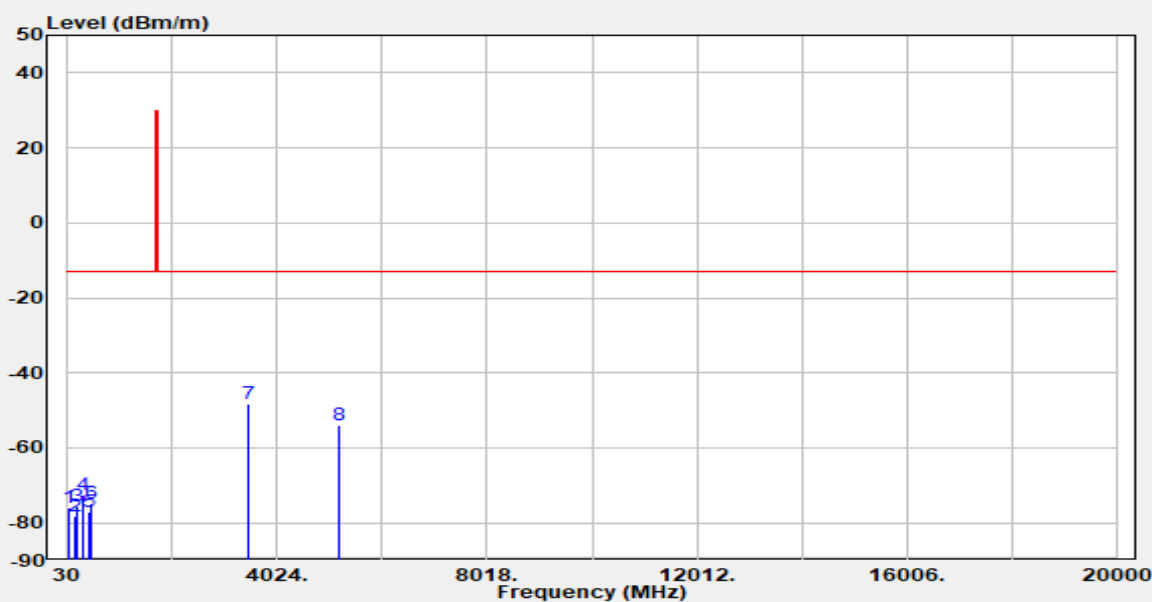
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B4  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1732.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.90	-65.83	-8.61	-1.46	-13.00	-62.90
177.440	-78.21	-76.68	0.91	-2.43	-13.00	-65.21
216.240	-75.52	-77.41	4.58	-2.69	-13.00	-62.52
328.760	-72.64	-73.20	3.87	-3.31	-13.00	-59.64
444.190	-77.01	-76.73	3.57	-3.85	-13.00	-64.01
492.690	-74.66	-74.58	3.97	-4.05	-13.00	-61.66
3465.000	-48.38	-49.95	12.54	-10.97	-13.00	-35.38
5197.500	-53.95	-52.96	12.59	-13.58	-13.00	-40.95

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B4

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1732.5 MHz

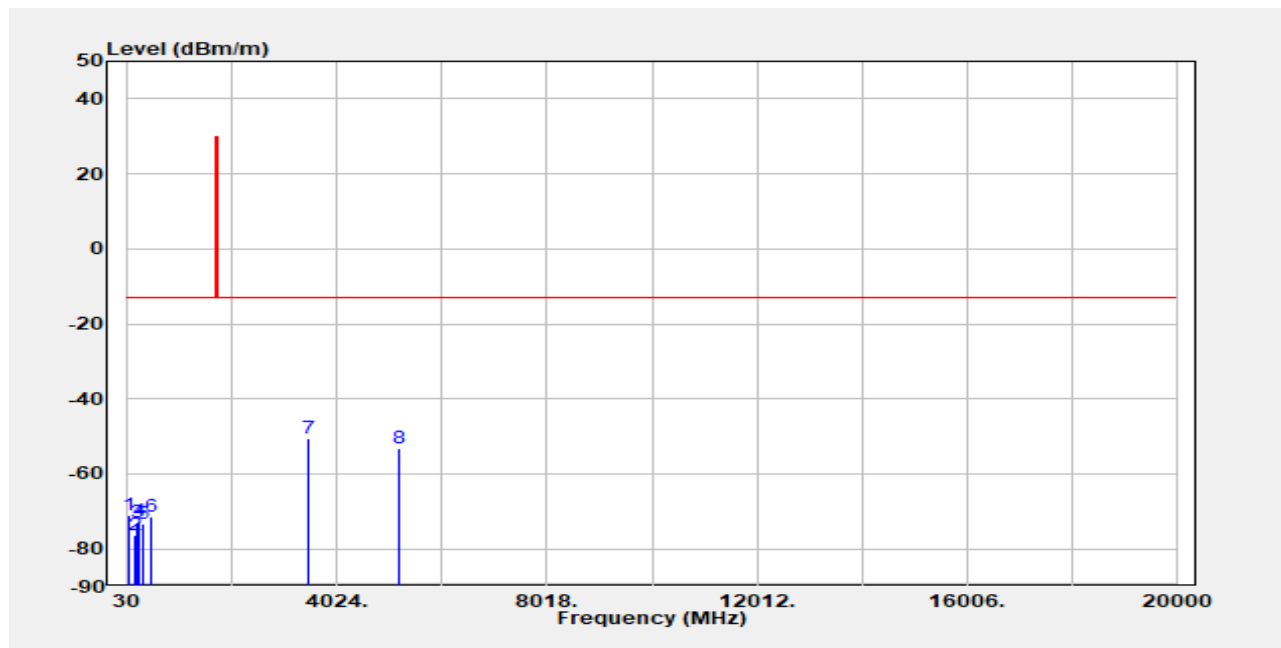
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-70.88	-60.81	-8.61	-1.46	-13.00	-57.88
167.740	-76.23	-73.51	-0.35	-2.37	-13.00	-63.23
216.240	-72.79	-74.68	4.58	-2.69	-13.00	-59.79
263.770	-72.59	-73.76	4.15	-2.98	-13.00	-59.59
329.730	-73.37	-73.90	3.85	-3.32	-13.00	-60.37
492.690	-71.22	-71.15	3.97	-4.05	-13.00	-58.22
3465.000	-50.35	-51.92	12.54	-10.97	-13.00	-37.35
5197.500	-53.35	-52.36	12.59	-13.58	-13.00	-40.35

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B4

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1754.9 MHz

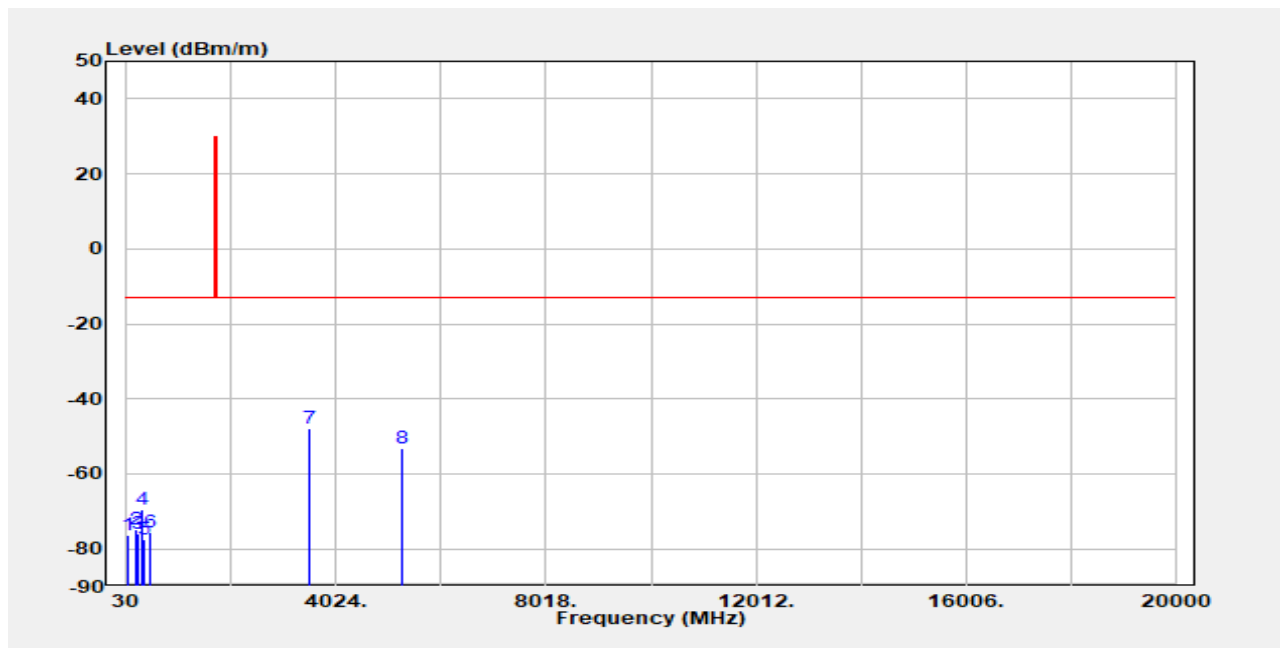
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



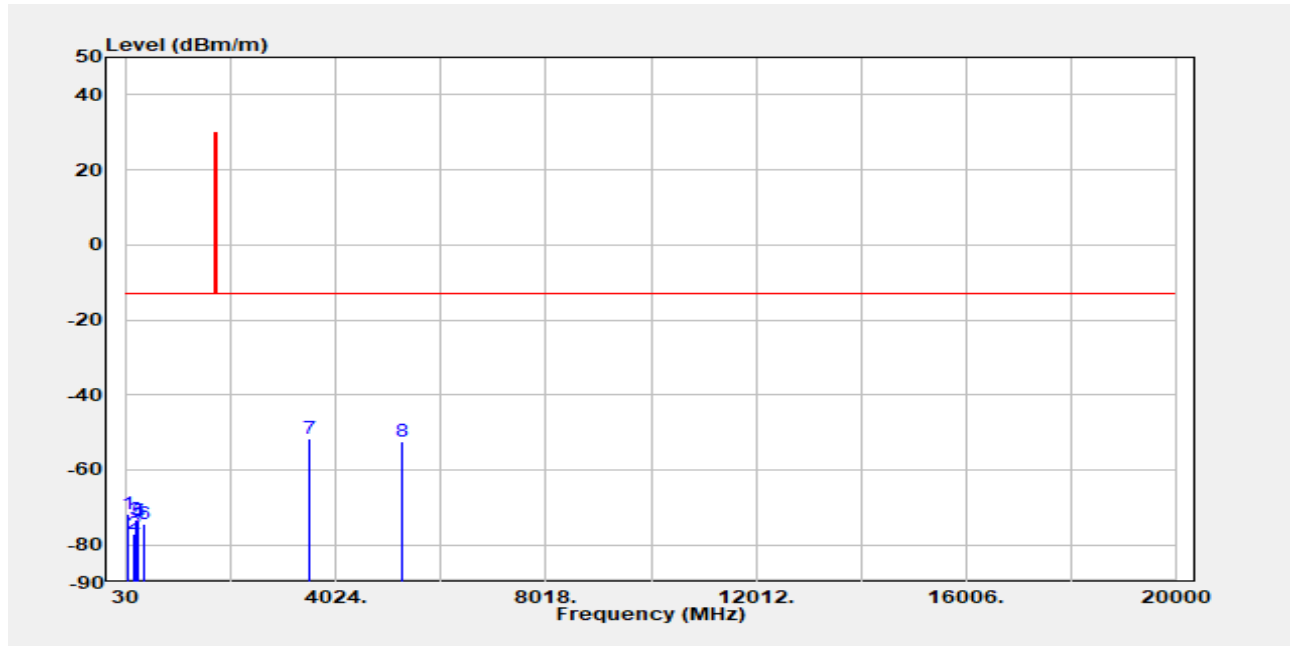
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.35	-66.27	-8.61	-1.46	-13.00	-63.35
216.240	-74.87	-76.76	4.58	-2.69	-13.00	-61.87
237.580	-76.07	-77.09	3.83	-2.82	-13.00	-63.07
328.760	-69.55	-70.10	3.87	-3.31	-13.00	-56.55
377.260	-77.53	-78.01	4.02	-3.55	-13.00	-64.53
492.690	-75.51	-75.43	3.97	-4.05	-13.00	-62.51
3509.800	-47.85	-49.16	12.36	-11.05	-13.00	-34.85
5264.700	-53.01	-52.27	12.93	-13.67	-13.00	-40.01

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B4  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1754.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



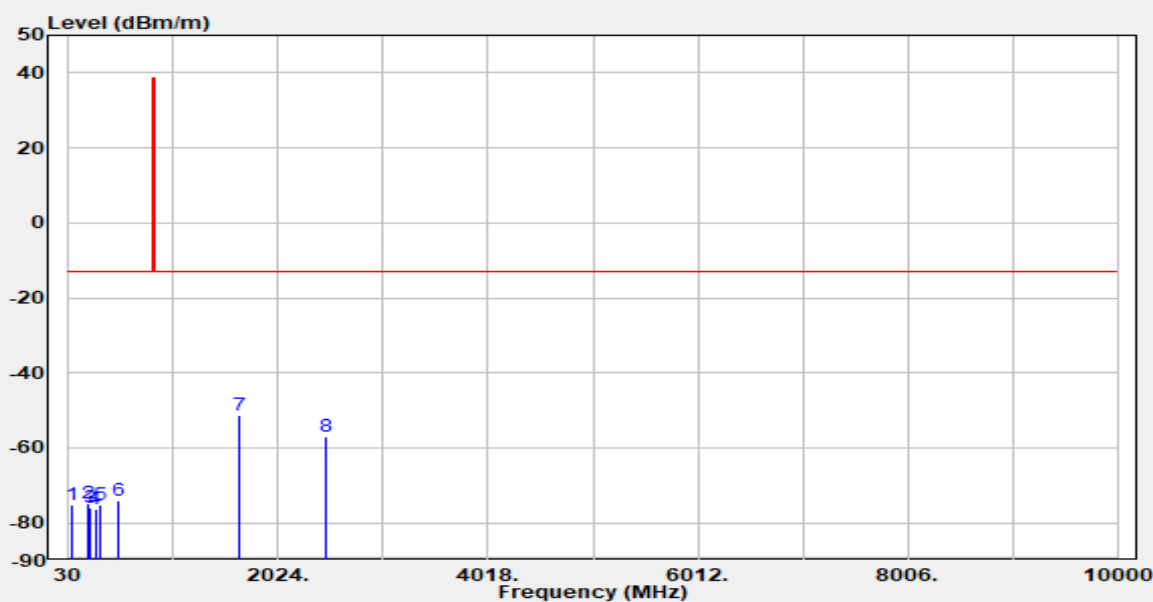
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.91	-61.83	-8.61	-1.46	-13.00	-58.91
167.740	-77.23	-74.50	-0.35	-2.37	-13.00	-64.23
216.240	-73.23	-75.12	4.58	-2.69	-13.00	-60.23
233.700	-74.10	-75.49	4.18	-2.79	-13.00	-61.10
263.770	-73.69	-74.87	4.15	-2.98	-13.00	-60.69
351.070	-74.28	-75.05	4.19	-3.42	-13.00	-61.28
3509.800	-51.60	-52.91	12.36	-11.05	-13.00	-38.60
5264.700	-52.33	-51.59	12.93	-13.67	-13.00	-39.33

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B5  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :824.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



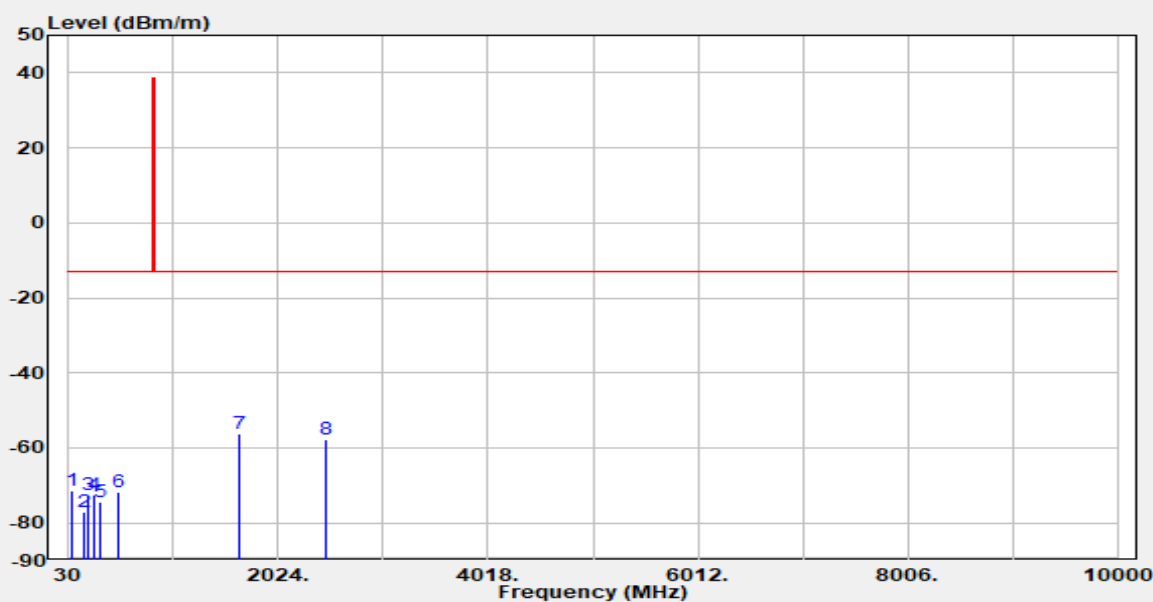
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.37	-65.29	-8.61	-1.46	-13.00	-62.37
216.240	-74.78	-76.67	4.58	-2.69	-13.00	-61.78
234.670	-75.82	-77.07	4.05	-2.80	-13.00	-62.82
281.230	-76.30	-76.94	3.71	-3.07	-13.00	-63.30
328.760	-75.03	-75.58	3.87	-3.31	-13.00	-62.03
493.660	-73.93	-73.85	3.97	-4.05	-13.00	-60.93
1648.200	-51.33	-53.36	9.48	-7.46	-13.00	-38.33
2472.300	-57.02	-58.37	10.58	-9.22	-13.00	-44.02

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B5  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :824.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



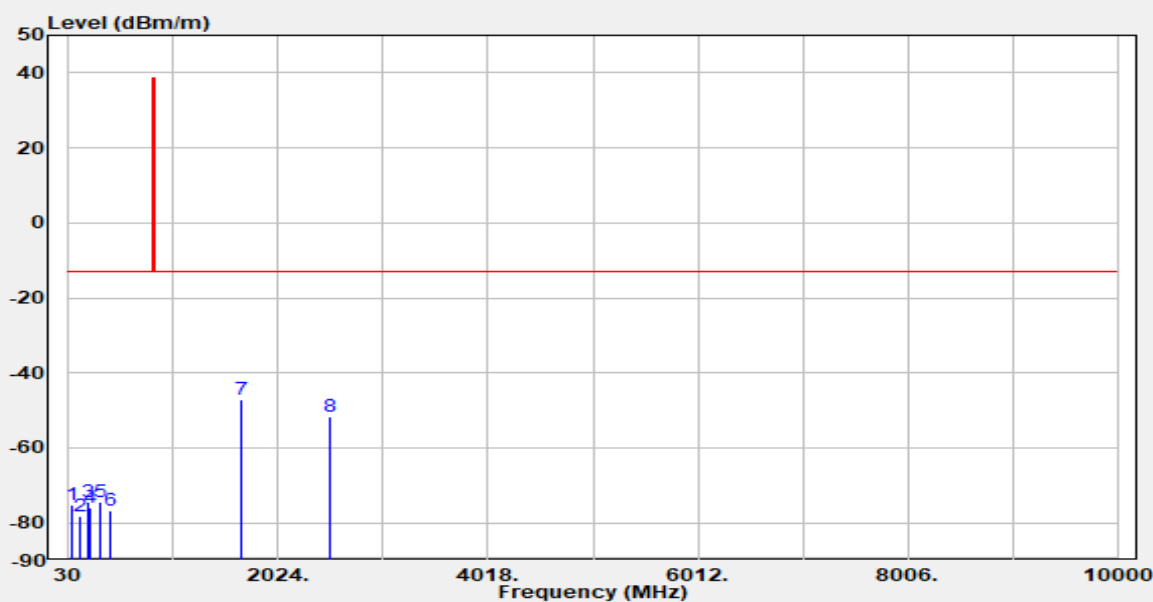
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.39	-61.31	-8.61	-1.46	-13.00	-58.39
167.740	-77.02	-74.30	-0.35	-2.37	-13.00	-64.02
216.240	-72.61	-74.50	4.58	-2.69	-13.00	-59.61
263.770	-72.50	-73.67	4.15	-2.98	-13.00	-59.50
328.760	-74.51	-75.07	3.87	-3.31	-13.00	-61.51
492.690	-71.83	-71.75	3.97	-4.05	-13.00	-58.83
1648.200	-56.09	-58.12	9.48	-7.46	-13.00	-43.09
2472.300	-57.87	-59.23	10.58	-9.22	-13.00	-44.87

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B5  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



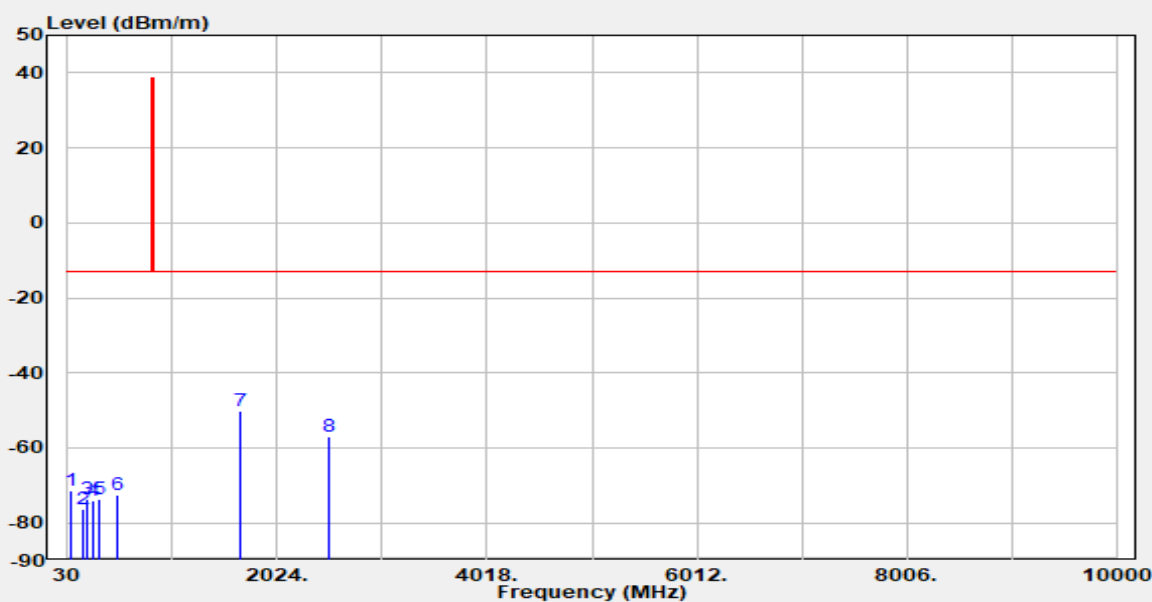
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.03	-64.96	-8.61	-1.46	-13.00	-62.03
129.910	-78.29	-74.46	-1.74	-2.09	-13.00	-65.29
216.240	-74.27	-76.17	4.58	-2.69	-13.00	-61.27
237.580	-75.79	-76.81	3.83	-2.82	-13.00	-62.79
329.730	-74.57	-75.11	3.85	-3.32	-13.00	-61.57
427.700	-76.79	-76.96	3.94	-3.77	-13.00	-63.79
1673.000	-47.30	-49.51	9.73	-7.52	-13.00	-34.30
2509.500	-51.56	-52.96	10.70	-9.29	-13.00	-38.56

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B5  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



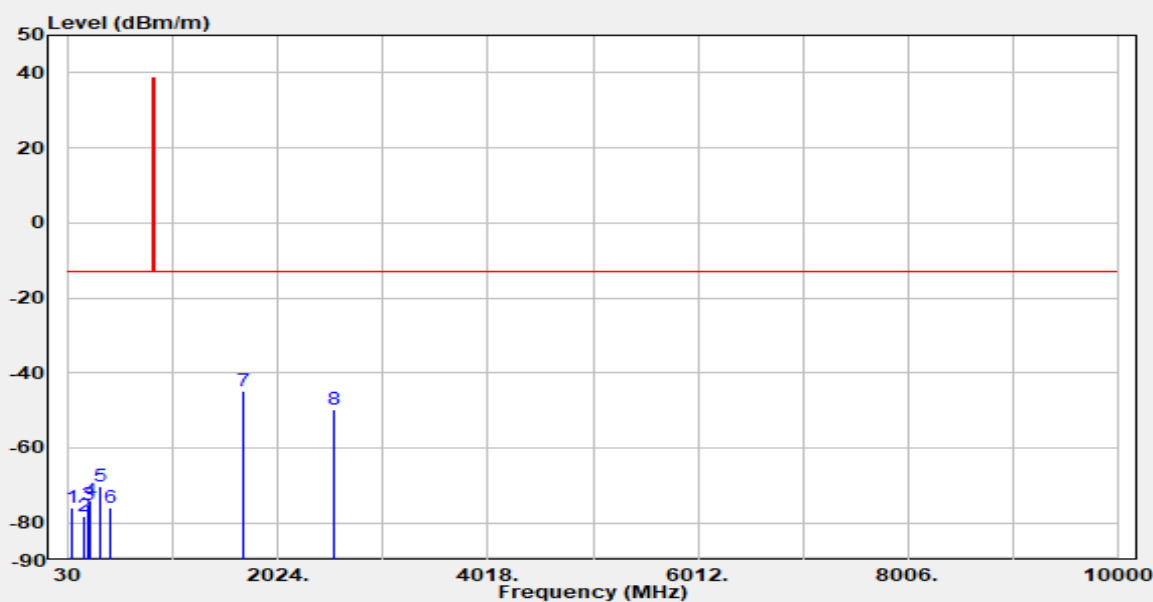
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.44	-61.37	-8.61	-1.46	-13.00	-58.44
167.740	-76.38	-73.66	-0.35	-2.37	-13.00	-63.38
216.240	-73.76	-75.65	4.58	-2.69	-13.00	-60.76
263.770	-73.95	-75.12	4.15	-2.98	-13.00	-60.95
328.760	-73.81	-74.36	3.87	-3.31	-13.00	-60.81
492.690	-72.52	-72.45	3.97	-4.05	-13.00	-59.52
1673.000	-50.01	-52.23	9.73	-7.52	-13.00	-37.01
2509.500	-57.13	-58.54	10.70	-9.29	-13.00	-44.13

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B5  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :848.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



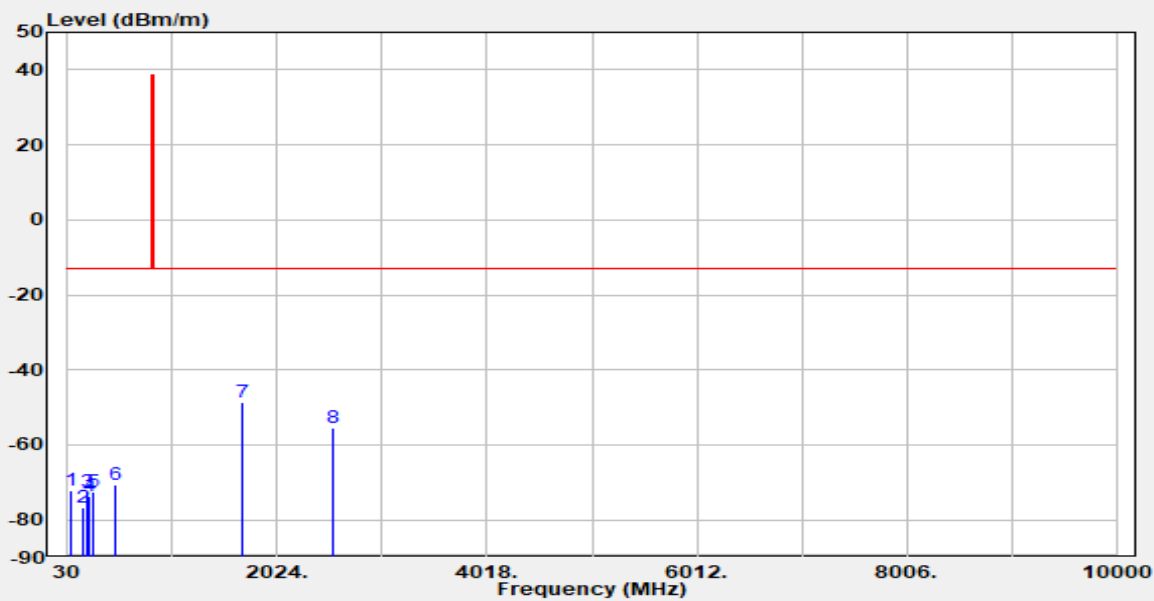
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.78	-65.70	-8.61	-1.46	-13.00	-62.78
181.320	-78.10	-77.12	1.48	-2.46	-13.00	-65.10
216.240	-75.35	-77.24	4.58	-2.69	-13.00	-62.35
233.700	-73.93	-75.33	4.18	-2.79	-13.00	-60.93
329.730	-70.27	-70.80	3.85	-3.32	-13.00	-57.27
432.550	-75.90	-75.91	3.80	-3.79	-13.00	-62.90
1697.800	-45.01	-47.42	9.98	-7.57	-13.00	-32.01
2546.700	-49.64	-50.87	10.60	-9.36	-13.00	-36.64

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Report Number :TERF2408002532ER  
 Operation Mode :NB-IoT B5  
 Test Mode :Tx  
 EUT Pol :H Plane  
 Test Frequency :848.9 MHz

Test Site :SAC 3  
 Test Date :2024-10-16  
 Temp./Humi. :24.3°C/63%  
 Antenna Pol. :Horizontal  
 Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-72.13	-62.06	-8.61	-1.46	-13.00	-59.13
167.740	-76.88	-74.15	-0.35	-2.37	-13.00	-63.88
216.240	-72.60	-74.49	4.58	-2.69	-13.00	-59.60
239.520	-73.74	-74.62	3.71	-2.83	-13.00	-60.74
263.770	-72.64	-73.81	4.15	-2.98	-13.00	-59.64
491.720	-70.66	-70.59	3.98	-4.05	-13.00	-57.66
1697.800	-48.52	-50.92	9.98	-7.57	-13.00	-35.52
2546.700	-55.34	-56.58	10.60	-9.36	-13.00	-42.34

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B12

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :699.1 MHz

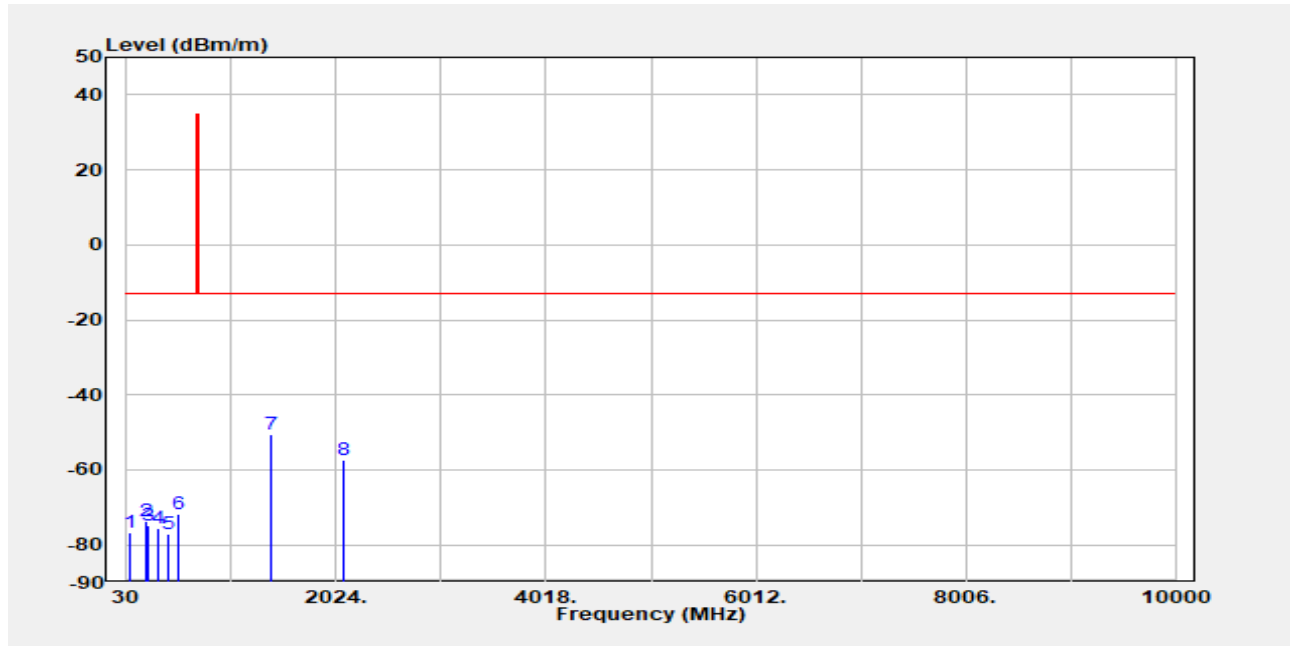
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.58	-66.50	-8.61	-1.46	-13.00	-63.58
216.240	-73.77	-75.66	4.58	-2.69	-13.00	-60.77
230.790	-74.96	-76.79	4.60	-2.77	-13.00	-61.96
329.730	-75.43	-75.97	3.85	-3.32	-13.00	-62.43
418.000	-77.27	-77.68	4.14	-3.73	-13.00	-64.27
529.550	-71.96	-71.73	3.97	-4.20	-13.00	-58.96
1398.200	-50.54	-51.15	7.46	-6.86	-13.00	-37.54
2097.300	-57.29	-58.83	10.00	-8.45	-13.00	-44.29

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SGS Taiwan Ltd.

No.134,Wu Kung Road, New Taipei Industrial Park, Wuku District, New Taipei City, Taiwan/新北市五股區新北產業園區五工路 134 號

台灣檢驗科技股份有限公司

t (886-2) 2299-3279

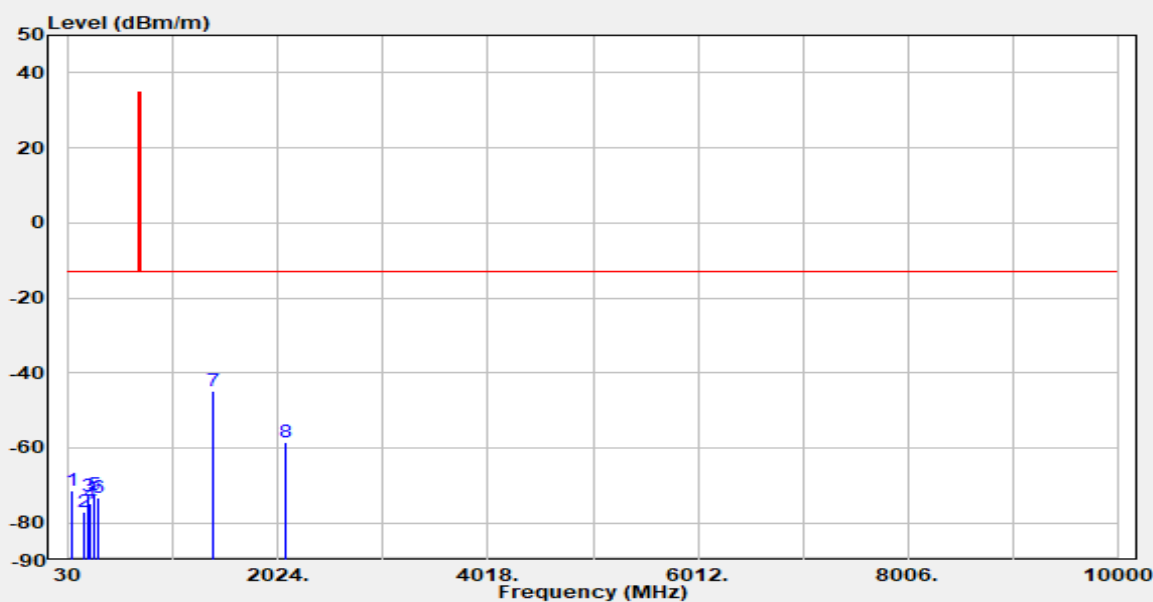
f (886-2) 2298-0488

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Member of SGS Group

Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B12  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :699.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



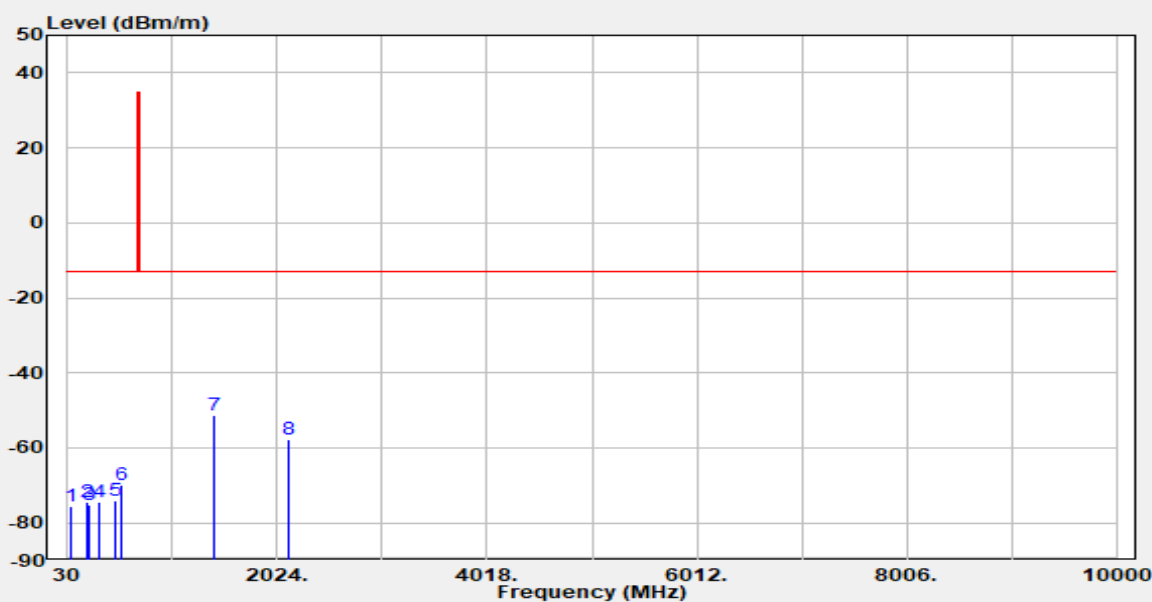
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.43	-61.36	-8.61	-1.46	-13.00	-58.43
167.740	-76.98	-74.25	-0.35	-2.37	-13.00	-63.98
216.240	-73.10	-74.99	4.58	-2.69	-13.00	-60.10
233.700	-74.64	-76.03	4.18	-2.79	-13.00	-61.64
263.770	-72.73	-73.90	4.15	-2.98	-13.00	-59.73
312.270	-73.40	-73.96	3.78	-3.22	-13.00	-60.40
1398.200	-44.71	-45.32	7.46	-6.86	-13.00	-31.71
2097.300	-58.67	-60.21	10.00	-8.45	-13.00	-45.67

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B12  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :707.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.58	-65.51	-8.61	-1.46	-13.00	-62.58
216.240	-74.32	-76.22	4.58	-2.69	-13.00	-61.32
231.760	-75.19	-76.87	4.46	-2.78	-13.00	-62.19
330.700	-74.40	-74.94	3.85	-3.32	-13.00	-61.40
476.200	-74.24	-74.26	4.01	-3.98	-13.00	-61.24
546.040	-69.79	-70.05	4.53	-4.26	-13.00	-56.79
1415.000	-51.48	-52.23	7.65	-6.90	-13.00	-38.48
2122.500	-57.80	-58.86	9.58	-8.51	-13.00	-44.80

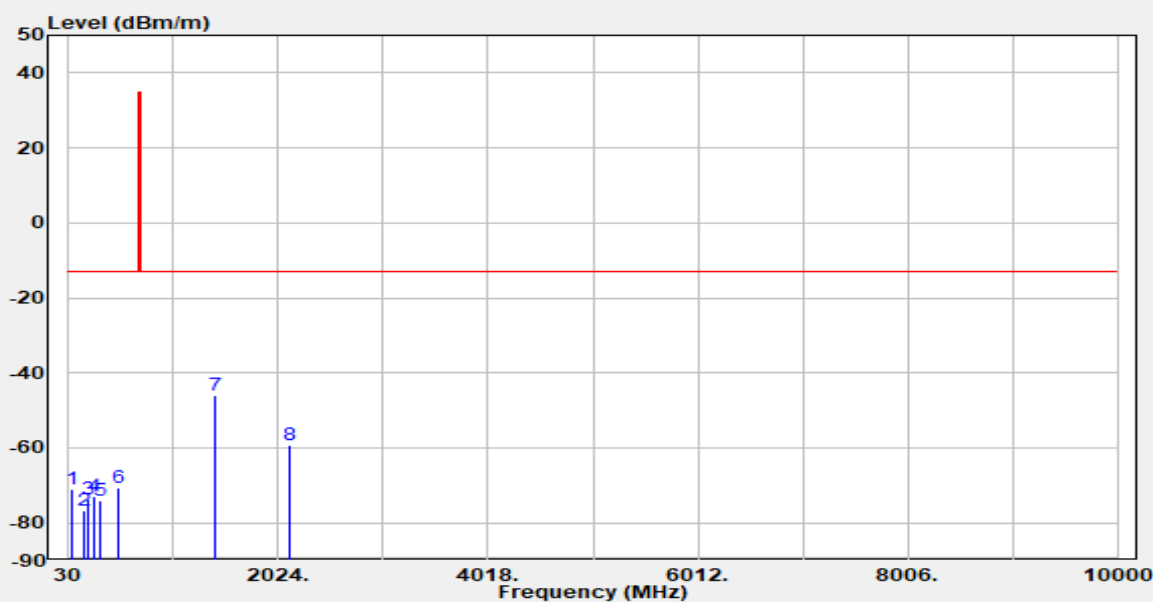
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B12  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :707.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



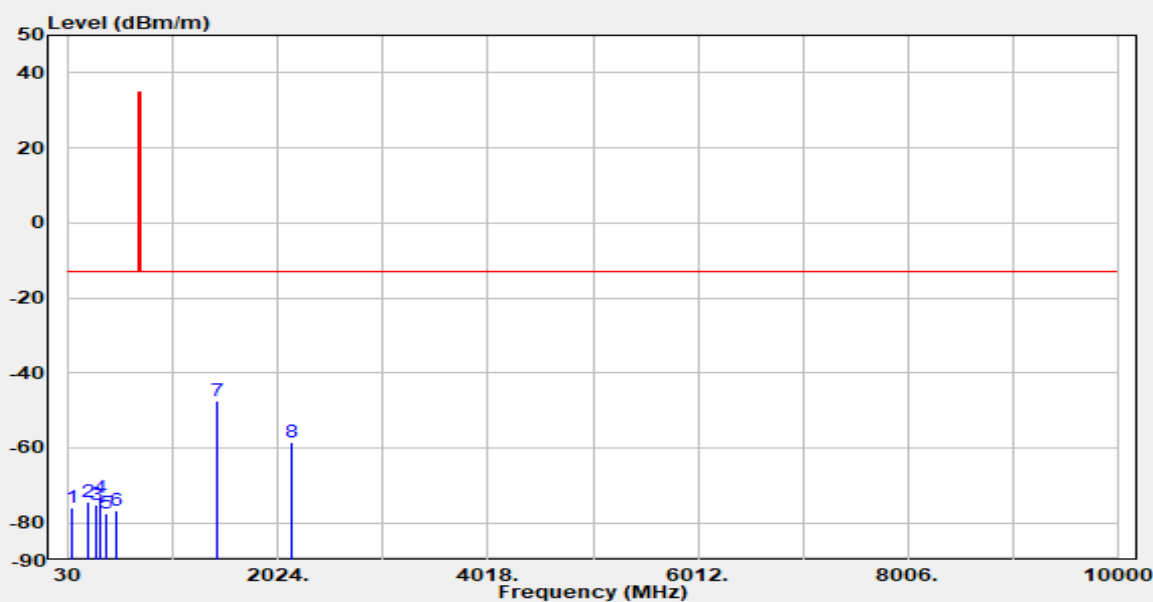
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.19	-61.12	-8.61	-1.46	-13.00	-58.19
167.740	-76.61	-73.88	-0.35	-2.37	-13.00	-63.61
216.240	-73.53	-75.42	4.58	-2.69	-13.00	-60.53
263.770	-72.90	-74.07	4.15	-2.98	-13.00	-59.90
328.760	-74.02	-74.57	3.87	-3.31	-13.00	-61.02
494.630	-70.80	-70.71	3.97	-4.06	-13.00	-57.80
1415.000	-45.80	-46.56	7.65	-6.90	-13.00	-32.80
2122.500	-59.11	-60.17	9.58	-8.51	-13.00	-46.11

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B12  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :715.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



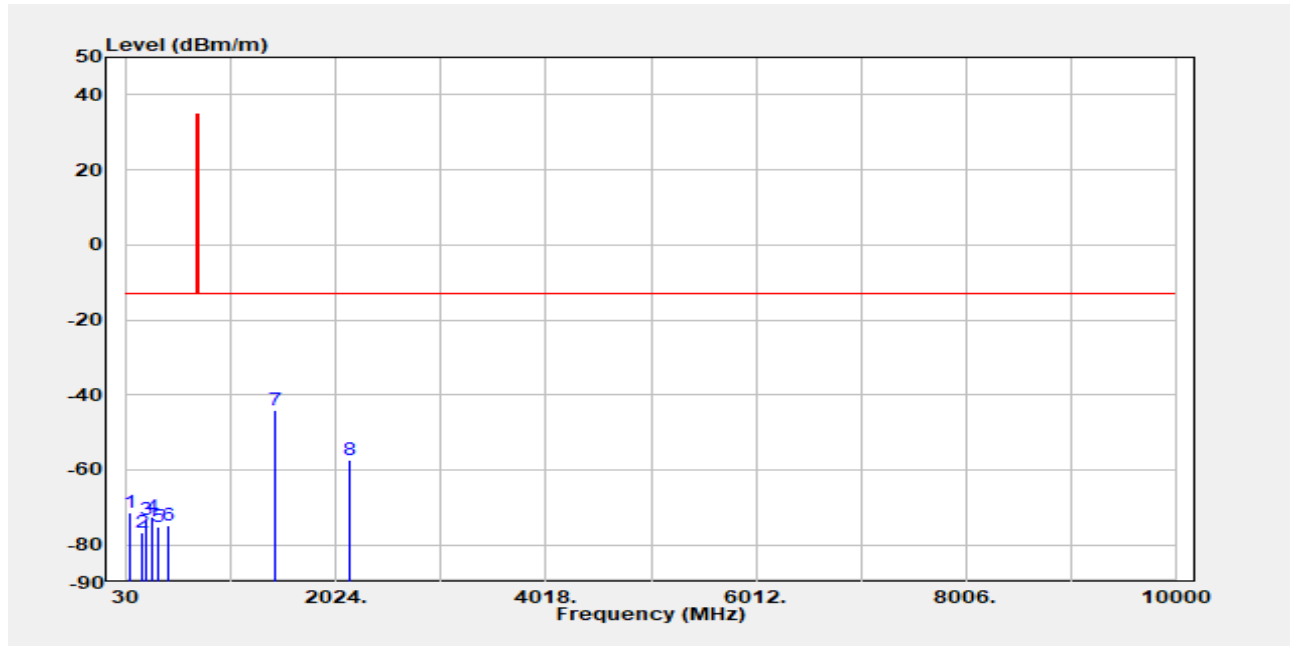
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.08	-66.00	-8.61	-1.46	-13.00	-63.08
216.240	-74.33	-76.22	4.58	-2.69	-13.00	-61.33
283.170	-75.36	-75.98	3.69	-3.08	-13.00	-62.36
328.760	-73.24	-73.79	3.87	-3.31	-13.00	-60.24
389.870	-77.50	-77.80	3.90	-3.60	-13.00	-64.50
474.260	-76.61	-76.63	4.00	-3.98	-13.00	-63.61
1431.800	-47.45	-48.23	7.72	-6.94	-13.00	-34.45
2147.700	-58.46	-59.32	9.42	-8.56	-13.00	-45.46

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B12  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :715.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.24	-61.17	-8.61	-1.46	-13.00	-58.24
167.740	-76.74	-74.02	-0.35	-2.37	-13.00	-63.74
216.240	-73.19	-75.08	4.58	-2.69	-13.00	-60.19
263.770	-72.61	-73.78	4.15	-2.98	-13.00	-59.61
328.760	-75.31	-75.86	3.87	-3.31	-13.00	-62.31
417.030	-74.65	-75.07	4.14	-3.73	-13.00	-61.65
1431.800	-44.19	-44.97	7.72	-6.94	-13.00	-31.19
2147.700	-57.20	-58.06	9.42	-8.56	-13.00	-44.20

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :777.1 MHz

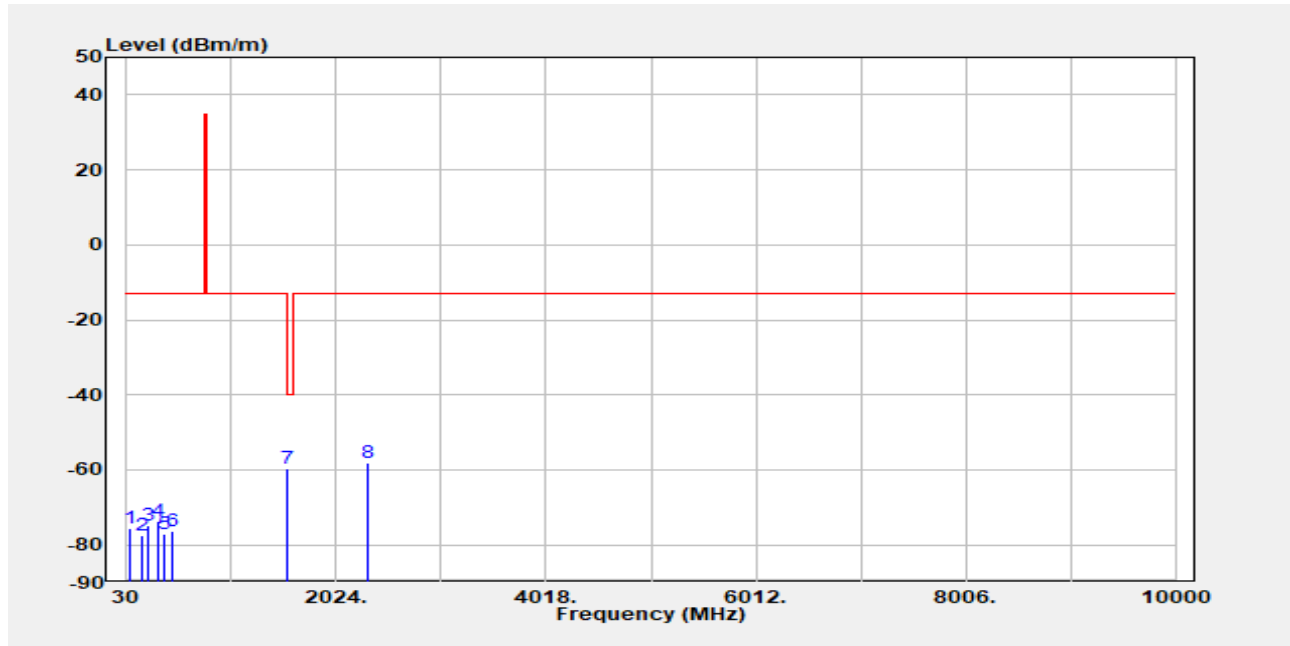
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



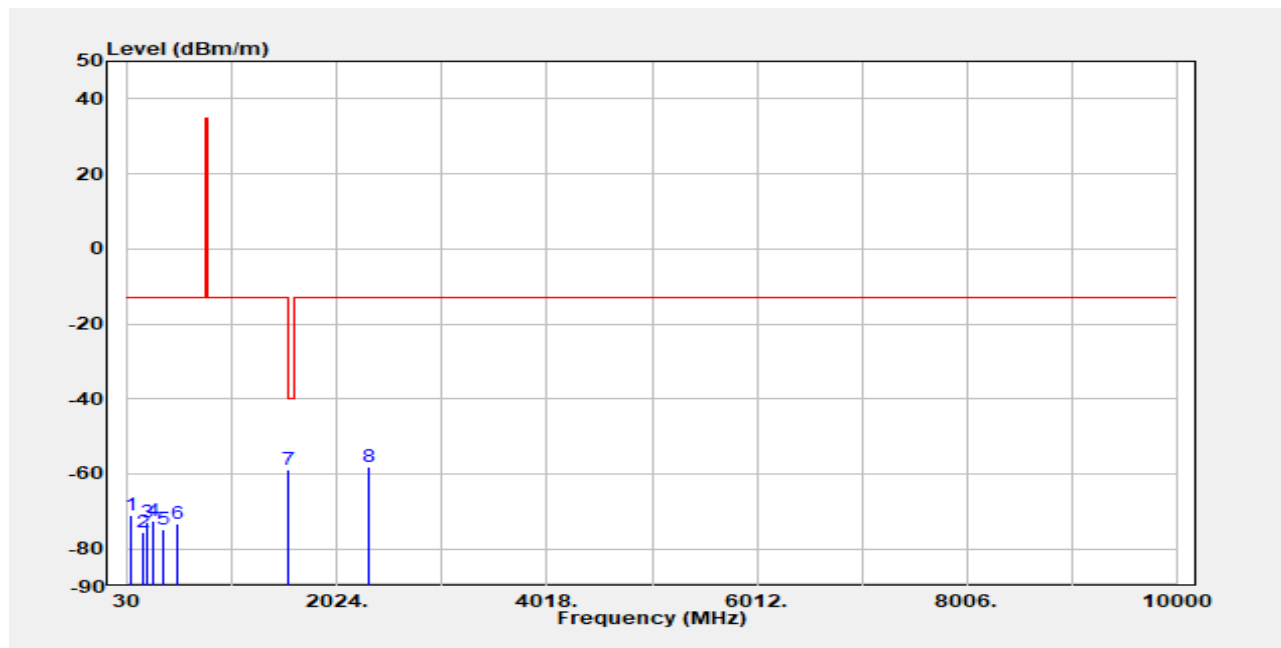
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.63	-65.56	-8.61	-1.46	-13.00	-62.63
181.320	-77.46	-76.48	1.48	-2.46	-13.00	-64.46
229.820	-74.70	-76.65	4.72	-2.77	-13.00	-61.70
328.760	-73.78	-74.33	3.87	-3.31	-13.00	-60.78
385.020	-77.09	-77.40	3.89	-3.58	-13.00	-64.09
466.500	-76.51	-76.42	3.86	-3.94	-13.00	-63.51
1554.200	-59.79	-61.69	9.14	-7.24	-13.00	-46.79
2331.300	-58.14	-58.92	9.73	-8.94	-13.00	-45.14

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :777.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.12	-61.05	-8.61	-1.46	-13.00	-58.12
167.740	-75.49	-72.77	-0.35	-2.37	-13.00	-62.49
216.240	-73.11	-75.01	4.58	-2.69	-13.00	-60.11
263.770	-72.41	-73.58	4.15	-2.98	-13.00	-59.41
370.470	-74.78	-75.40	4.13	-3.51	-13.00	-61.78
493.660	-73.31	-73.22	3.97	-4.05	-13.00	-60.31
1554.200	-58.91	-60.81	9.14	-7.24	-13.00	-45.91
2331.300	-58.31	-59.10	9.73	-8.94	-13.00	-45.31

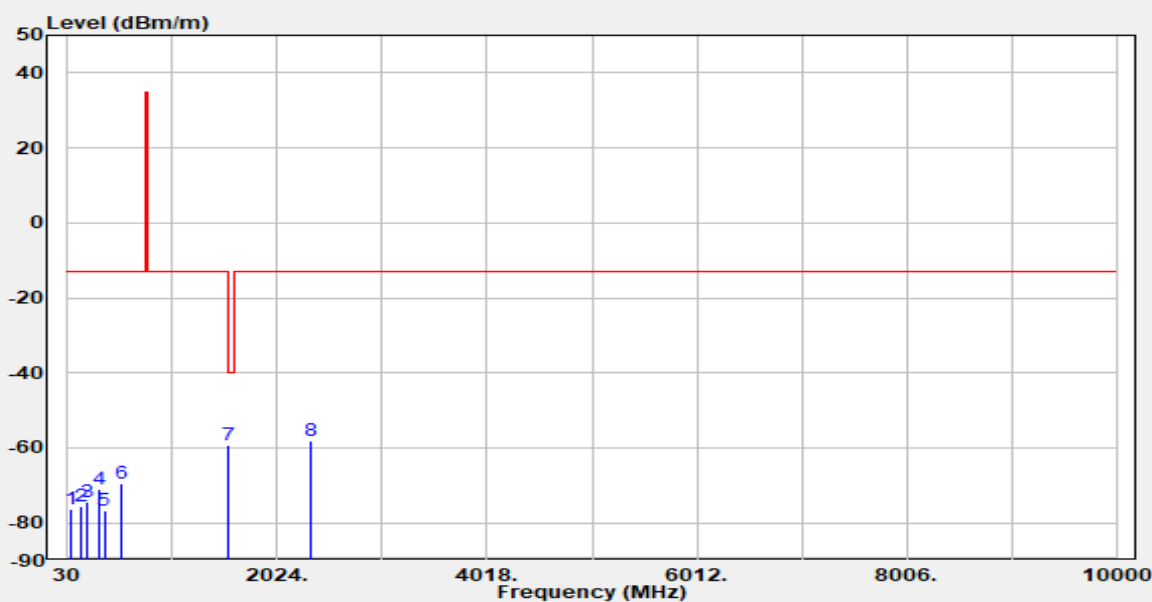
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



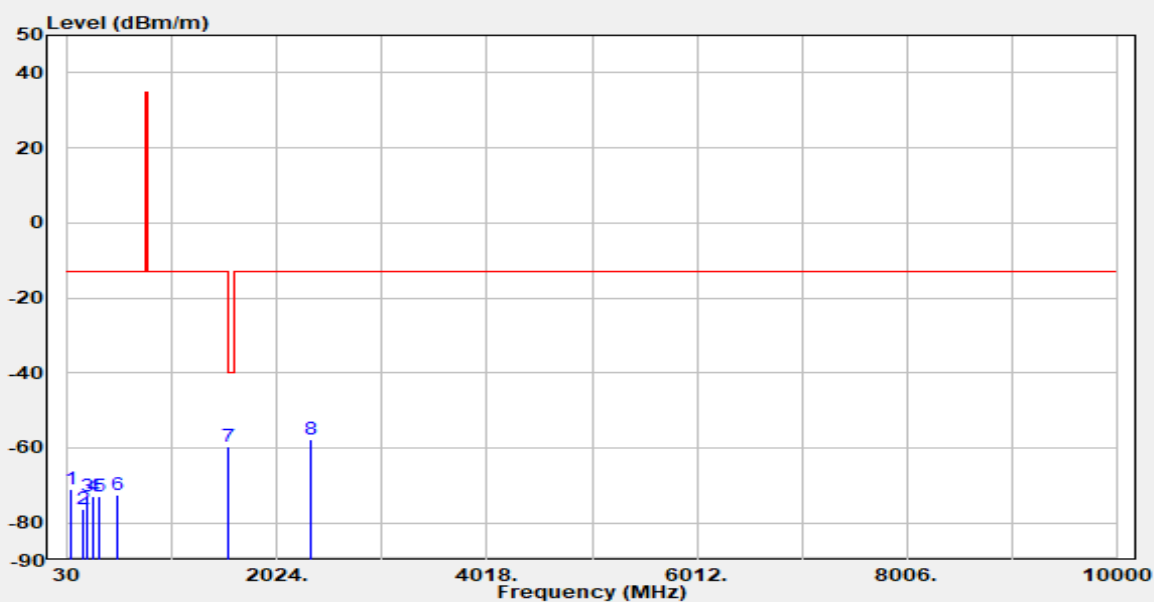
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-76.34	-66.26	-8.61	-1.46	-13.00	-63.34
165.800	-75.58	-72.72	-0.51	-2.36	-13.00	-62.58
216.240	-74.58	-76.47	4.58	-2.69	-13.00	-61.58
329.730	-70.97	-71.51	3.85	-3.32	-13.00	-57.97
377.260	-76.67	-77.14	4.02	-3.55	-13.00	-63.67
539.250	-69.55	-69.62	4.30	-4.24	-13.00	-56.55
1564.000	-59.16	-61.10	9.20	-7.26	-40.00	-19.16
2346.000	-58.23	-59.16	9.90	-8.97	-13.00	-45.23

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



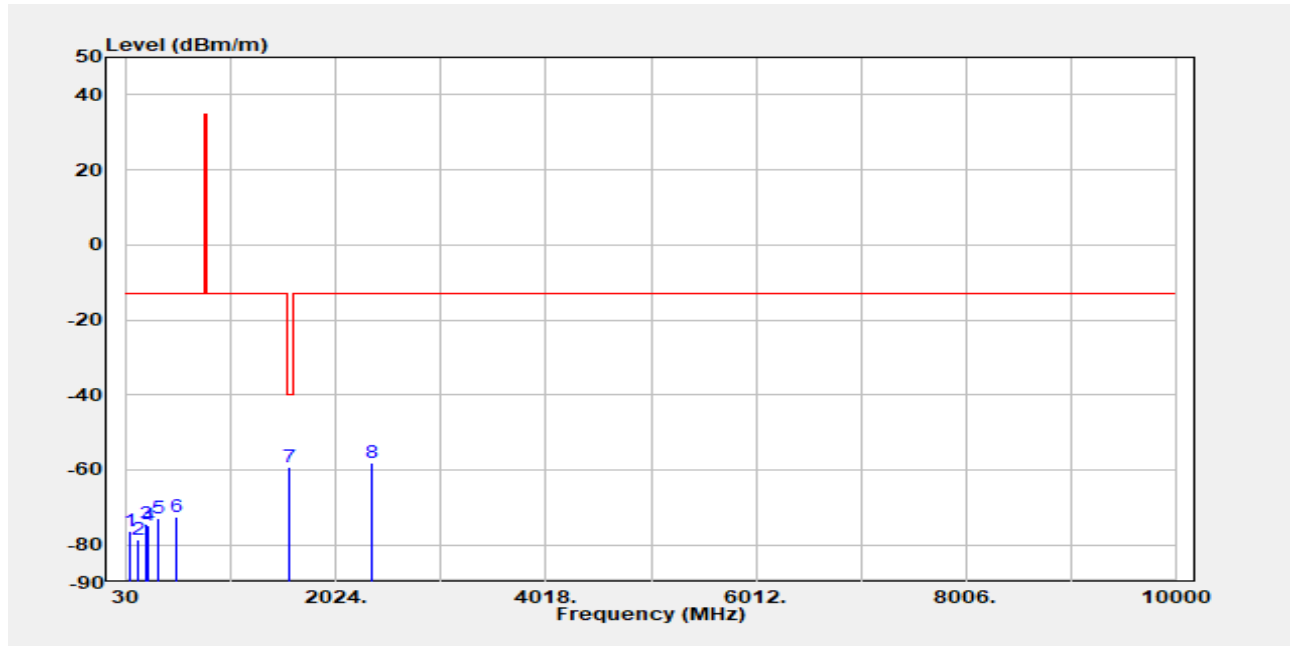
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.06	-60.99	-8.61	-1.46	-13.00	-58.06
167.740	-76.47	-73.75	-0.35	-2.37	-13.00	-63.47
216.240	-72.78	-74.67	4.58	-2.69	-13.00	-59.78
263.770	-72.76	-73.93	4.15	-2.98	-13.00	-59.76
328.760	-73.08	-73.64	3.87	-3.31	-13.00	-60.08
492.690	-72.57	-72.49	3.97	-4.05	-13.00	-59.57
1564.000	-59.48	-61.42	9.20	-7.26	-40.00	-19.48
2346.000	-57.81	-58.74	9.90	-8.97	-13.00	-44.81

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :786.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



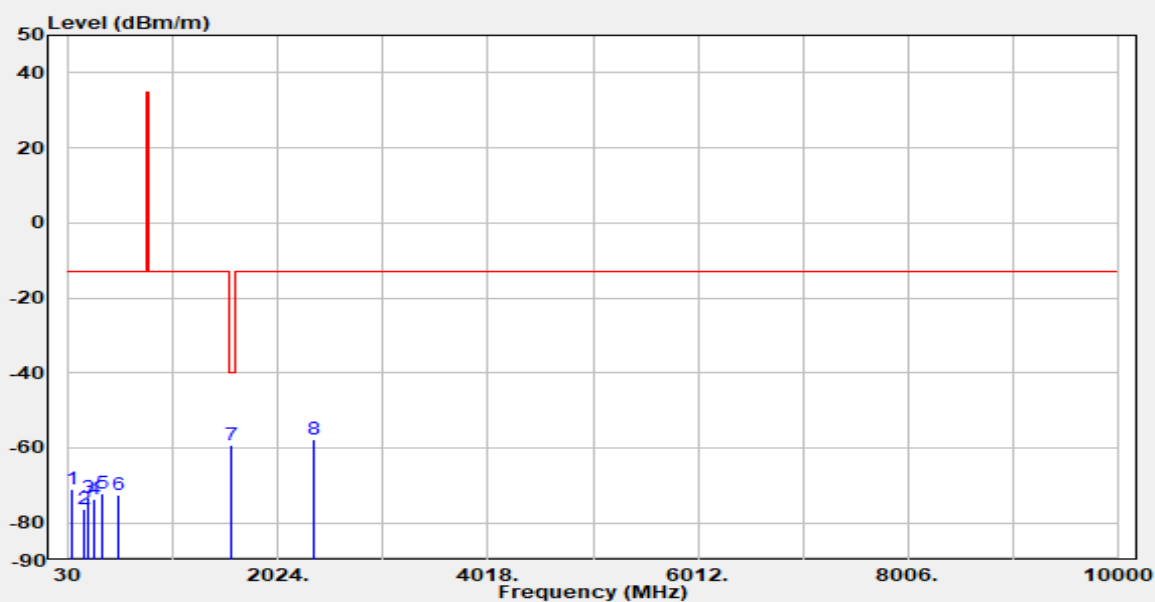
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.37	-66.30	-8.61	-1.46	-13.00	-63.37
141.550	-78.70	-74.72	-1.81	-2.17	-13.00	-65.70
216.240	-74.49	-76.38	4.58	-2.69	-13.00	-61.49
235.640	-74.93	-76.09	3.96	-2.80	-13.00	-61.93
328.760	-72.93	-73.48	3.87	-3.31	-13.00	-59.93
492.690	-72.69	-72.61	3.97	-4.05	-13.00	-59.69
1573.800	-59.11	-61.02	9.20	-7.28	-40.00	-19.11
2360.700	-57.99	-59.00	10.01	-9.00	-13.00	-44.99

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :786.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



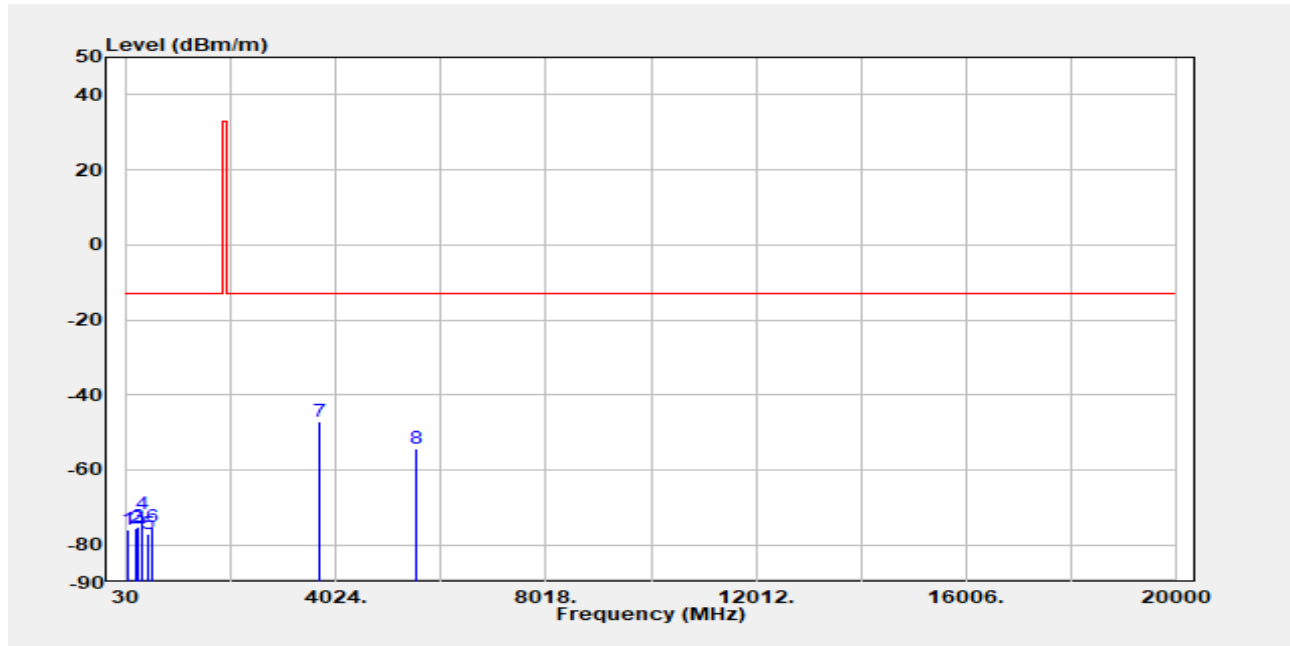
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-70.89	-60.82	-8.61	-1.46	-13.00	-57.89
167.740	-76.29	-73.57	-0.35	-2.37	-13.00	-63.29
216.240	-73.34	-75.23	4.58	-2.69	-13.00	-60.34
263.770	-73.55	-74.72	4.15	-2.98	-13.00	-60.55
340.400	-72.30	-72.94	4.01	-3.37	-13.00	-59.30
492.690	-72.57	-72.49	3.97	-4.05	-13.00	-59.57
1573.800	-59.26	-61.17	9.20	-7.28	-40.00	-19.26
2360.700	-57.60	-58.60	10.01	-9.00	-13.00	-44.60

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B25  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1850.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



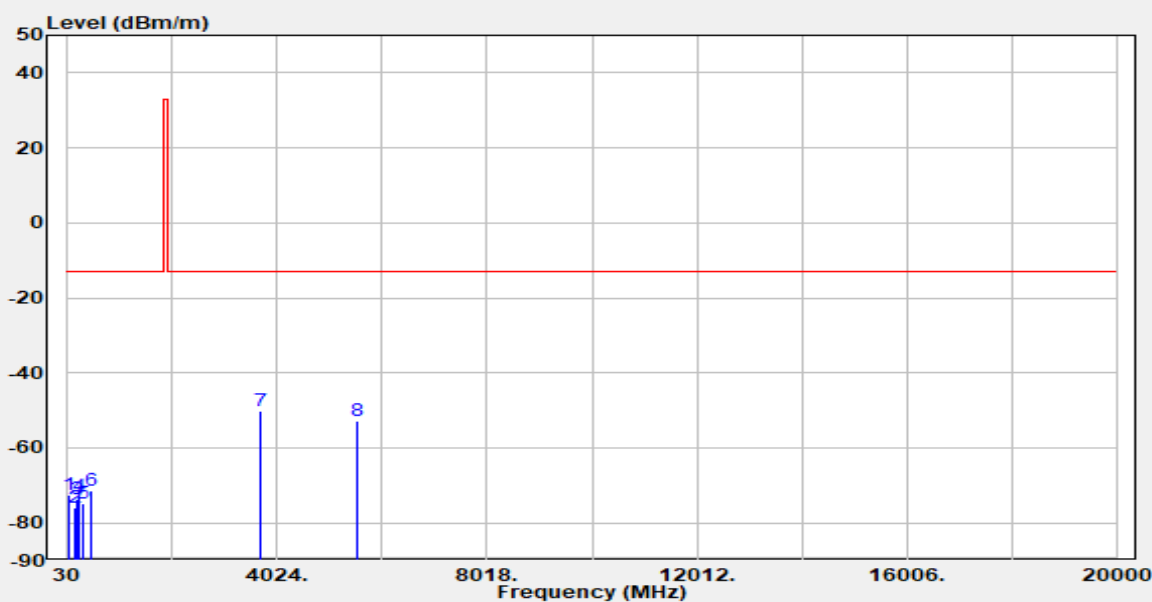
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.00	-65.92	-8.61	-1.46	-13.00	-63.00
216.240	-75.54	-77.43	4.58	-2.69	-13.00	-62.54
232.730	-75.10	-76.64	4.32	-2.79	-13.00	-62.10
327.790	-71.79	-72.36	3.88	-3.31	-13.00	-58.79
425.760	-76.99	-77.25	4.02	-3.76	-13.00	-63.99
496.570	-75.31	-75.25	4.00	-4.07	-13.00	-62.31
3700.200	-47.02	-48.17	12.50	-11.35	-13.00	-34.02
5550.300	-54.27	-53.21	13.00	-14.06	-13.00	-41.27

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B25  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1850.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



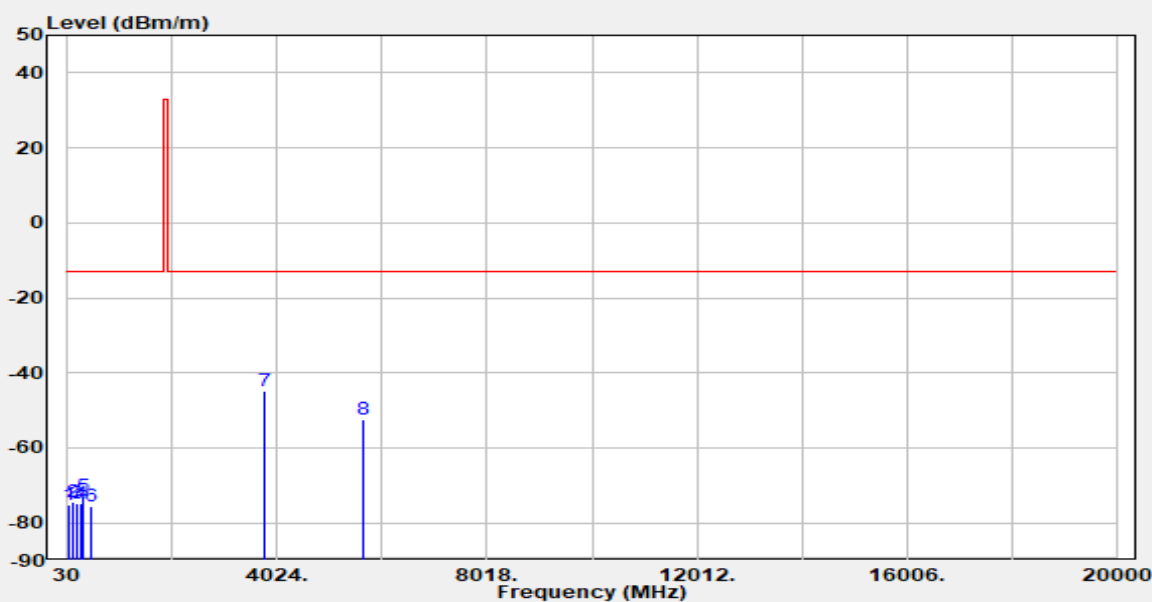
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-72.44	-62.36	-8.61	-1.46	-13.00	-59.44
167.740	-76.09	-73.36	-0.35	-2.37	-13.00	-63.09
216.240	-73.64	-75.53	4.58	-2.69	-13.00	-60.64
263.770	-73.05	-74.22	4.15	-2.98	-13.00	-60.05
337.490	-74.89	-75.48	3.94	-3.36	-13.00	-61.89
491.720	-71.25	-71.18	3.98	-4.05	-13.00	-58.25
3700.200	-50.02	-51.17	12.50	-11.35	-13.00	-37.02
5550.300	-52.96	-51.90	13.00	-14.06	-13.00	-39.96

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B25  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1882.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



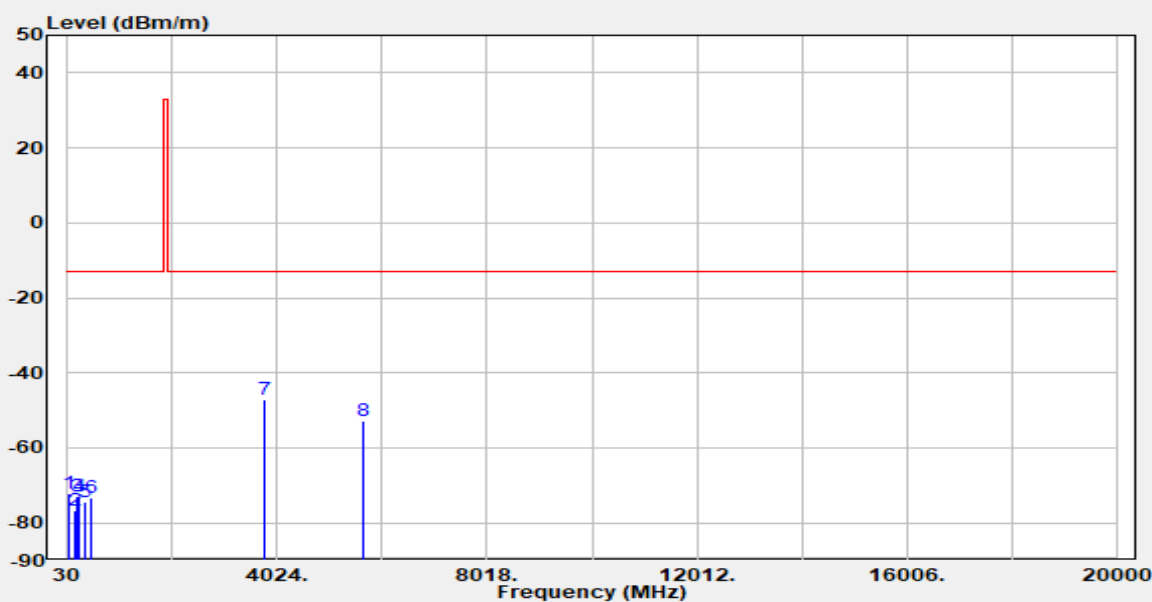
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.03	-64.95	-8.61	-1.46	-13.00	-62.03
116.330	-74.62	-71.17	-1.47	-1.98	-13.00	-61.62
216.240	-74.99	-76.89	4.58	-2.69	-13.00	-61.99
289.960	-74.96	-75.58	3.73	-3.11	-13.00	-61.96
328.760	-72.77	-73.32	3.87	-3.31	-13.00	-59.77
464.560	-75.58	-75.48	3.83	-3.93	-13.00	-62.58
3765.000	-44.80	-45.85	12.50	-11.45	-13.00	-31.80
5647.500	-52.59	-51.71	13.30	-14.18	-13.00	-39.59

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B25  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1882.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



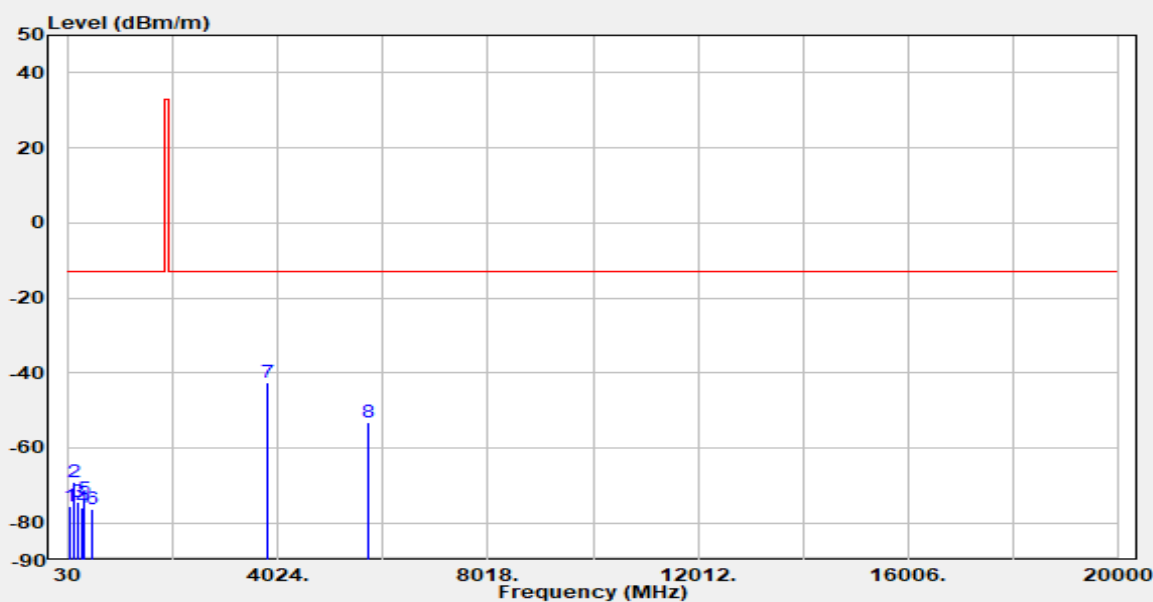
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-72.02	-61.94	-8.61	-1.46	-13.00	-59.02
167.740	-76.85	-74.13	-0.35	-2.37	-13.00	-63.85
216.240	-72.78	-74.67	4.58	-2.69	-13.00	-59.78
263.770	-73.09	-74.27	4.15	-2.98	-13.00	-60.09
360.770	-74.32	-75.07	4.21	-3.46	-13.00	-61.32
493.660	-73.24	-73.16	3.97	-4.05	-13.00	-60.24
3765.000	-47.10	-48.14	12.50	-11.45	-13.00	-34.10
5647.500	-52.72	-51.84	13.30	-14.18	-13.00	-39.72

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B25  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1914.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.62	-65.55	-8.61	-1.46	-13.00	-62.62
125.060	-68.96	-65.32	-1.59	-2.05	-13.00	-55.96
216.240	-74.43	-76.33	4.58	-2.69	-13.00	-61.43
279.290	-75.92	-76.57	3.71	-3.06	-13.00	-62.92
327.790	-73.61	-74.18	3.88	-3.31	-13.00	-60.61
488.810	-76.19	-76.16	4.01	-4.04	-13.00	-63.19
3829.800	-42.70	-43.59	12.44	-11.55	-13.00	-29.70
5744.700	-53.33	-52.12	13.10	-14.31	-13.00	-40.33

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B25

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1914.9 MHz

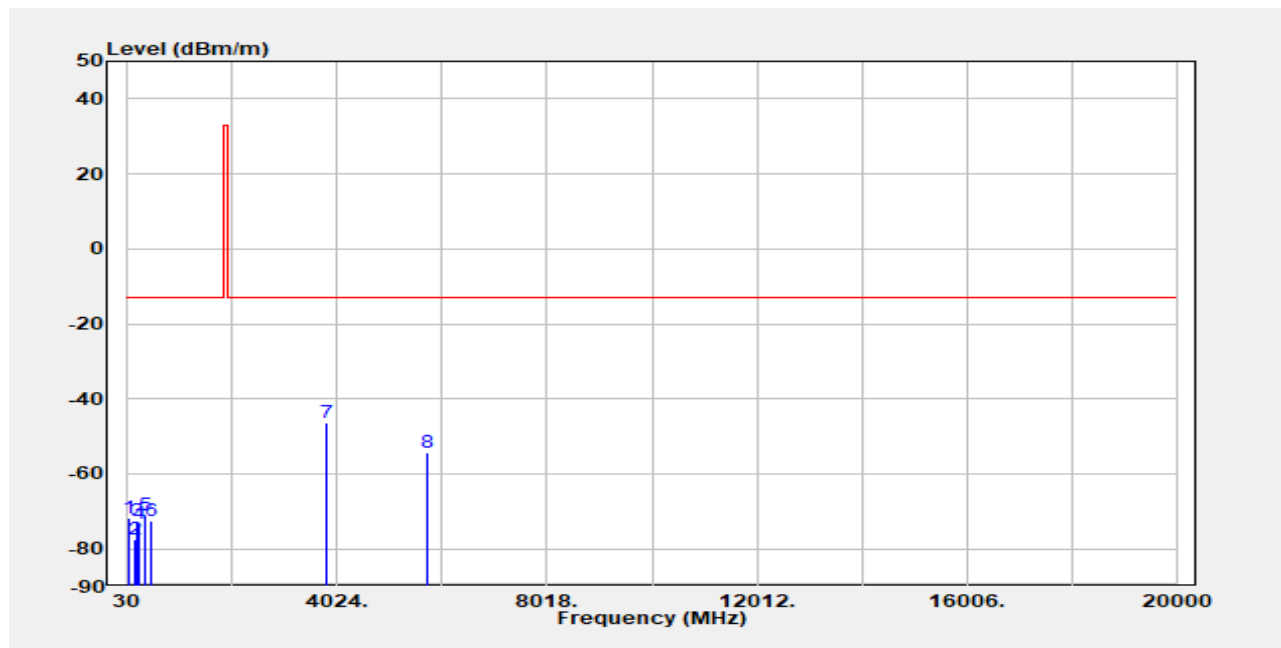
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.96	-61.89	-8.61	-1.46	-13.00	-58.96
167.740	-77.30	-74.58	-0.35	-2.37	-13.00	-64.30
216.240	-72.36	-74.25	4.58	-2.69	-13.00	-59.36
263.770	-73.43	-74.61	4.15	-2.98	-13.00	-60.43
355.920	-70.96	-71.79	4.27	-3.44	-13.00	-57.96
492.690	-72.54	-72.47	3.97	-4.05	-13.00	-59.54
3829.800	-46.41	-47.30	12.44	-11.55	-13.00	-33.41
5744.700	-54.46	-53.25	13.10	-14.31	-13.00	-41.46

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :824.1 MHz

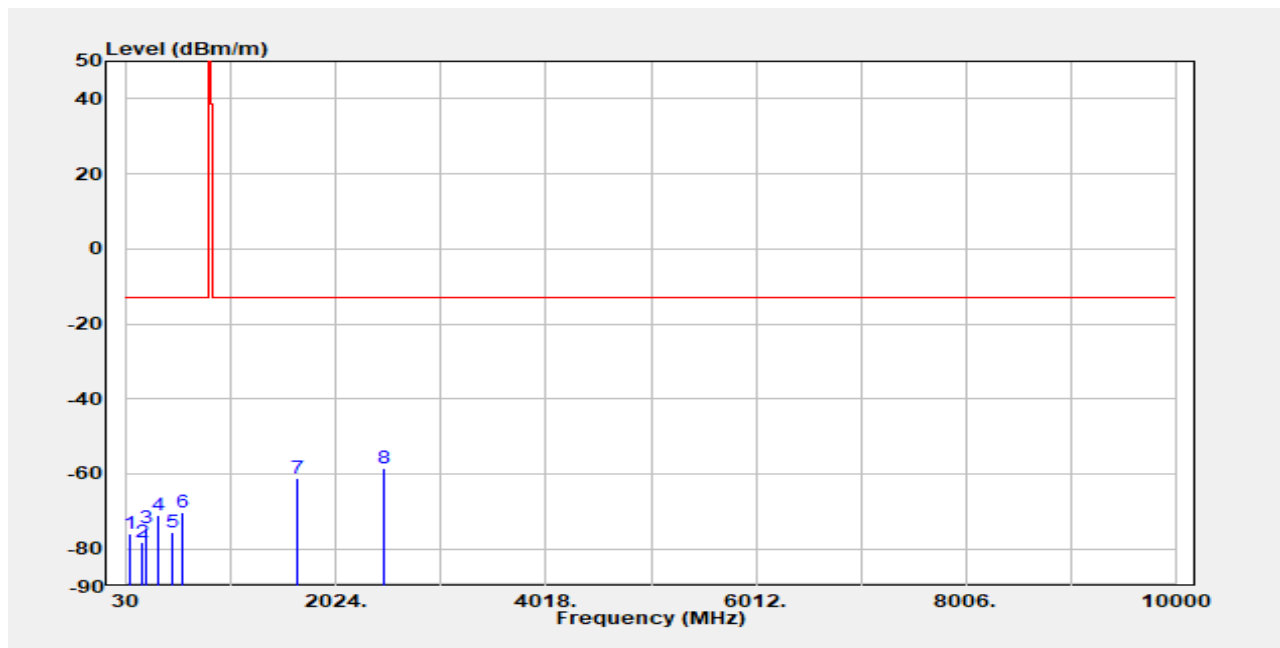
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.09	-66.02	-8.61	-1.46	-13.00	-63.09
181.320	-78.11	-77.12	1.48	-2.46	-13.00	-65.11
216.240	-74.28	-76.17	4.58	-2.69	-13.00	-61.28
327.790	-70.97	-71.54	3.88	-3.31	-13.00	-57.97
468.440	-75.68	-75.62	3.89	-3.95	-13.00	-62.68
552.830	-70.12	-70.35	4.52	-4.29	-13.00	-57.12
1648.200	-61.08	-63.11	9.48	-7.46	-13.00	-48.08
2472.300	-58.38	-59.74	10.58	-9.22	-13.00	-45.38

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :824.1 MHz

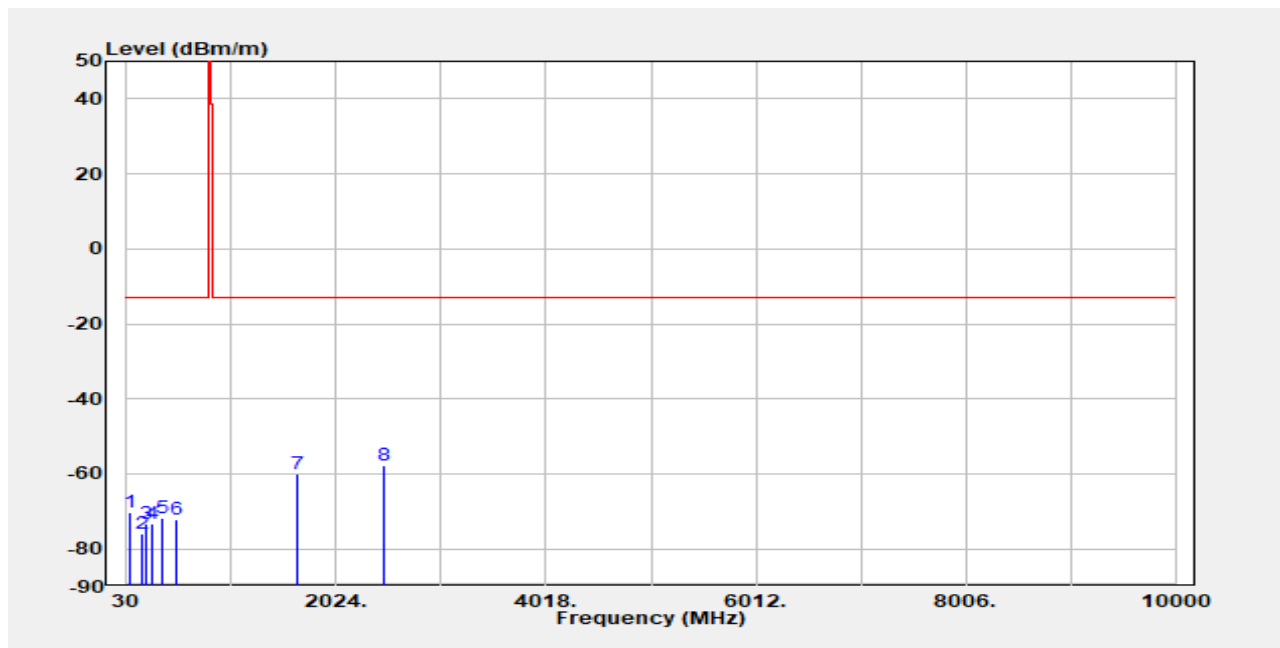
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



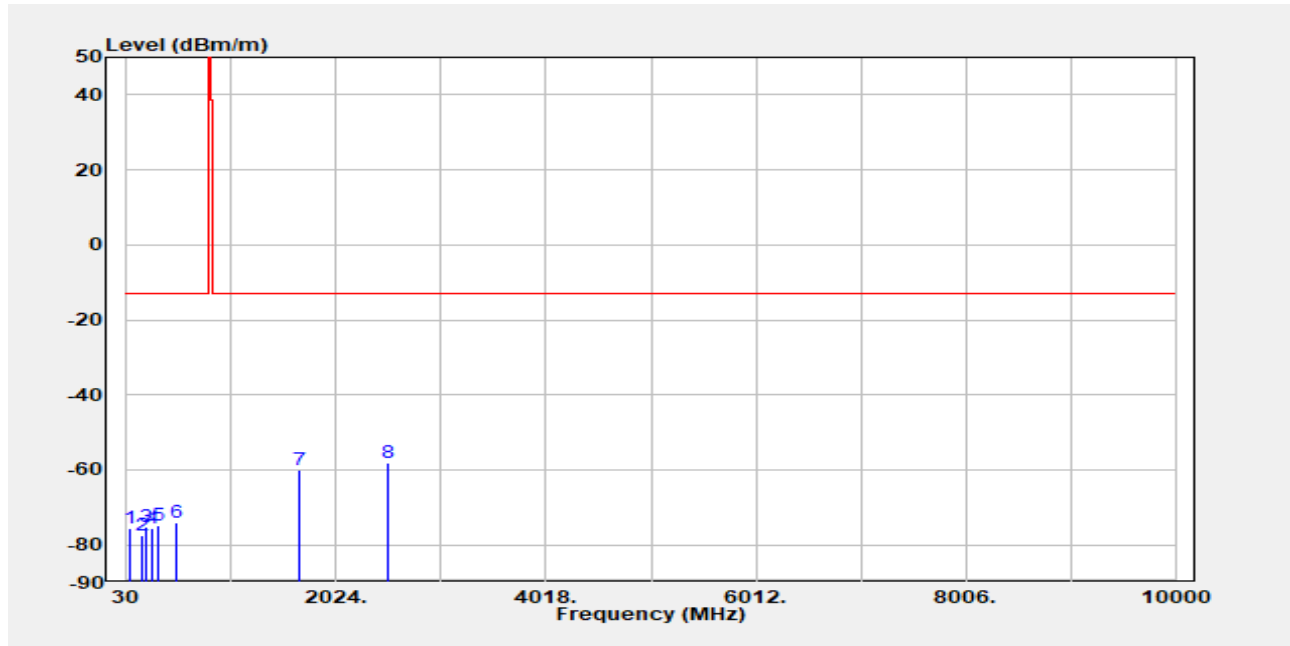
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-70.17	-60.09	-8.61	-1.46	-13.00	-57.17
167.740	-76.15	-73.43	-0.35	-2.37	-13.00	-63.15
216.240	-73.41	-75.31	4.58	-2.69	-13.00	-60.41
263.770	-73.17	-74.34	4.15	-2.98	-13.00	-60.17
370.470	-71.95	-72.57	4.13	-3.51	-13.00	-58.95
492.690	-72.00	-71.92	3.97	-4.05	-13.00	-59.00
1648.200	-60.09	-62.12	9.48	-7.46	-13.00	-47.09
2472.300	-57.60	-58.95	10.58	-9.22	-13.00	-44.60

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :836.5 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.66	-65.58	-8.61	-1.46	-13.00	-62.66
177.440	-77.59	-76.06	0.91	-2.43	-13.00	-64.59
216.240	-75.14	-77.03	4.58	-2.69	-13.00	-62.14
263.770	-75.56	-76.74	4.15	-2.98	-13.00	-62.56
328.760	-74.88	-75.43	3.87	-3.31	-13.00	-61.88
493.660	-74.20	-74.12	3.97	-4.05	-13.00	-61.20
1673.000	-59.87	-62.09	9.73	-7.52	-13.00	-46.87
2509.500	-58.20	-59.60	10.70	-9.29	-13.00	-45.20

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :836.5 MHz

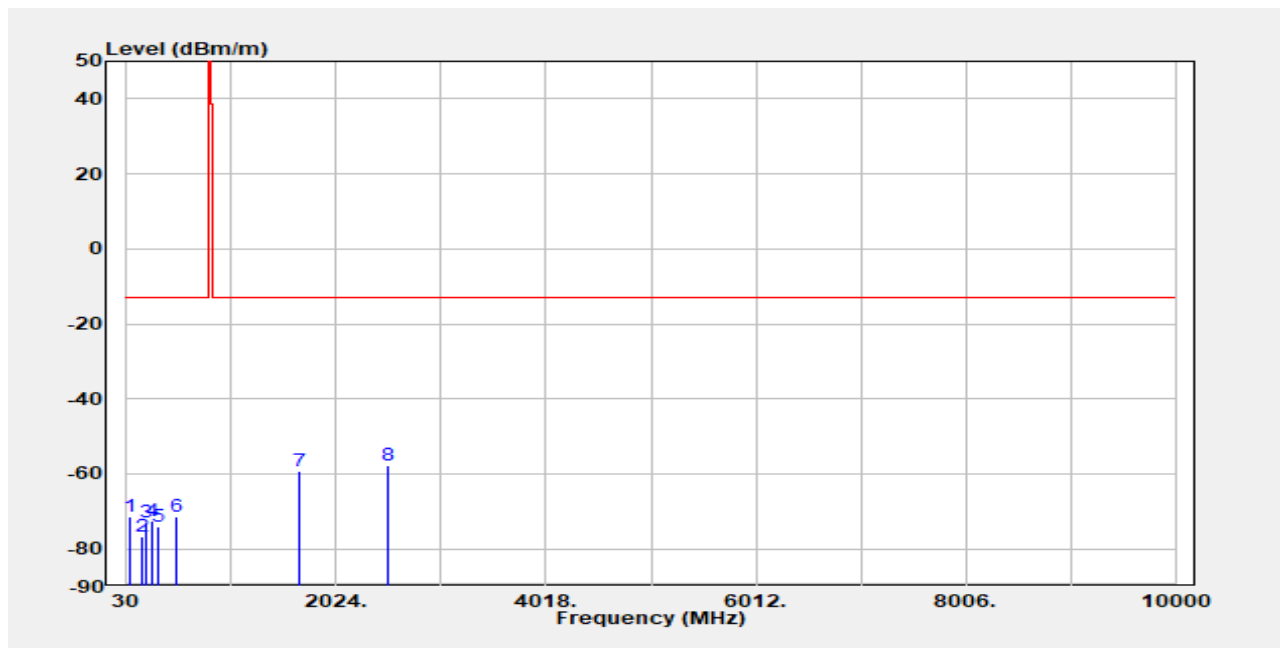
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.60	-61.52	-8.61	-1.46	-13.00	-58.60
167.740	-76.77	-74.05	-0.35	-2.37	-13.00	-63.77
216.240	-73.05	-74.94	4.58	-2.69	-13.00	-60.05
263.770	-72.67	-73.84	4.15	-2.98	-13.00	-59.67
338.460	-73.88	-74.48	3.97	-3.36	-13.00	-60.88
493.660	-71.26	-71.17	3.97	-4.05	-13.00	-58.26
1673.000	-59.25	-61.46	9.73	-7.52	-13.00	-46.25
2509.500	-57.93	-59.34	10.70	-9.29	-13.00	-44.93

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :848.9 MHz

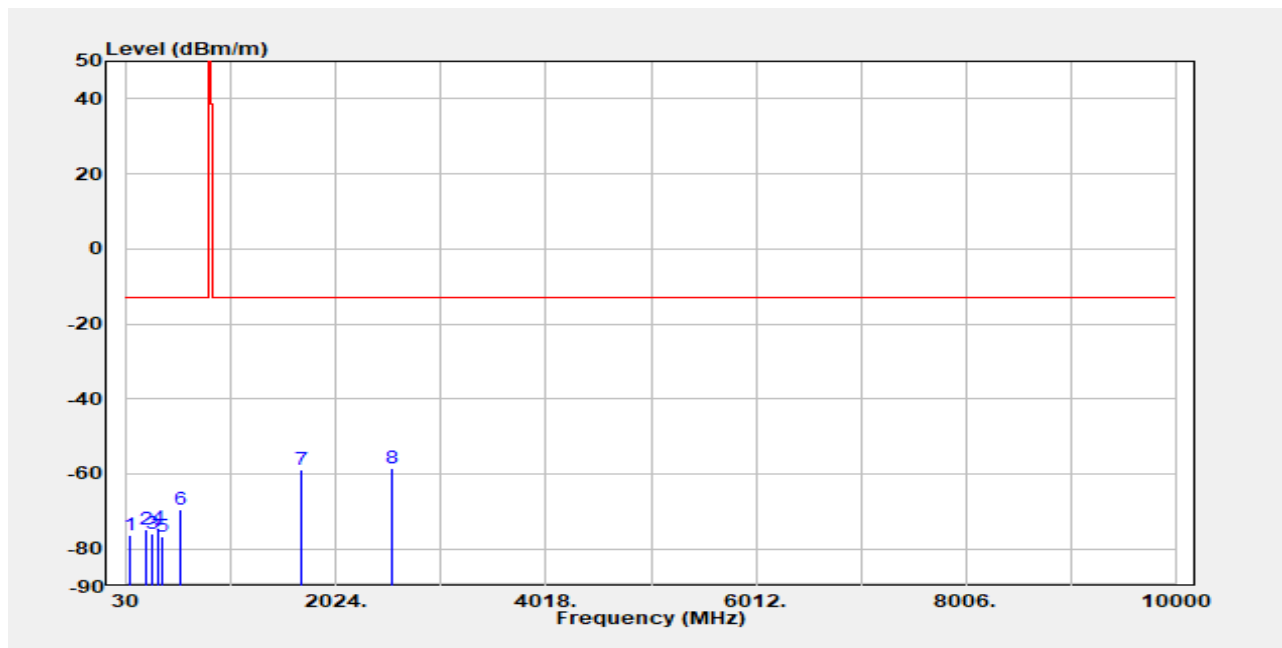
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.39	-66.31	-8.61	-1.46	-13.00	-63.39
216.240	-74.81	-76.71	4.58	-2.69	-13.00	-61.81
270.560	-75.91	-76.69	3.79	-3.01	-13.00	-62.91
327.790	-74.27	-74.84	3.88	-3.31	-13.00	-61.27
373.380	-76.90	-77.46	4.09	-3.53	-13.00	-63.90
538.280	-69.43	-69.46	4.27	-4.23	-13.00	-56.43
1697.800	-58.88	-61.28	9.98	-7.57	-13.00	-45.88
2546.700	-58.49	-59.73	10.60	-9.36	-13.00	-45.49

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B26

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :848.9 MHz

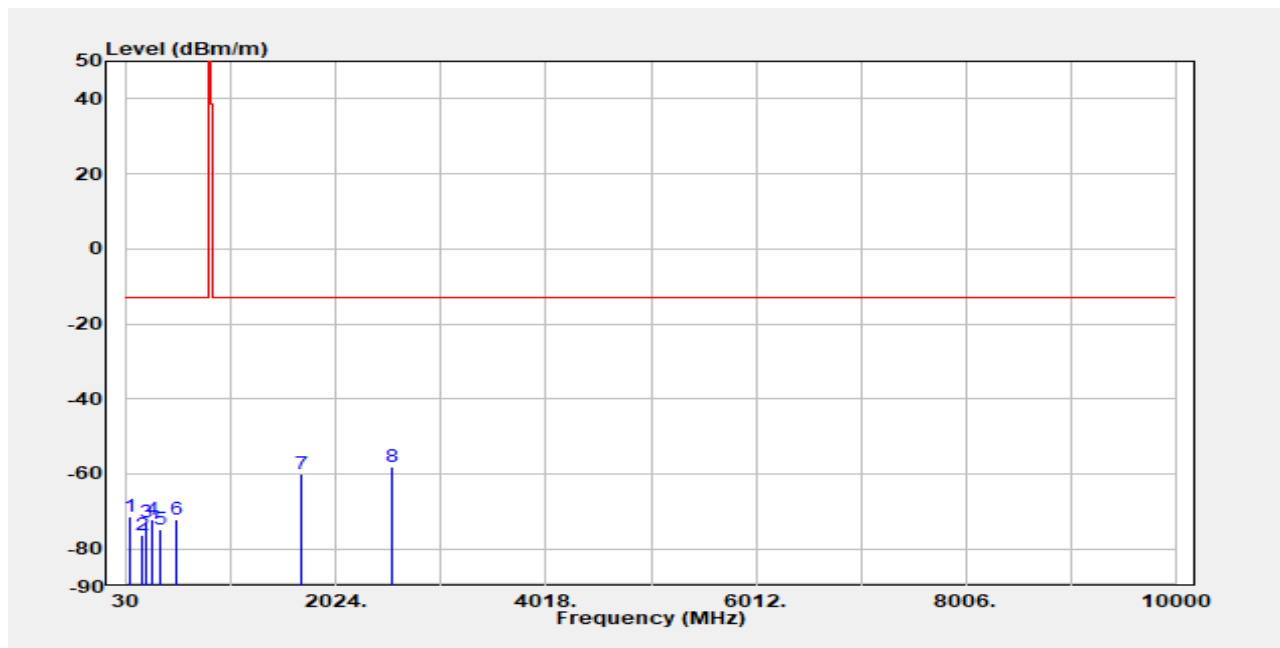
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



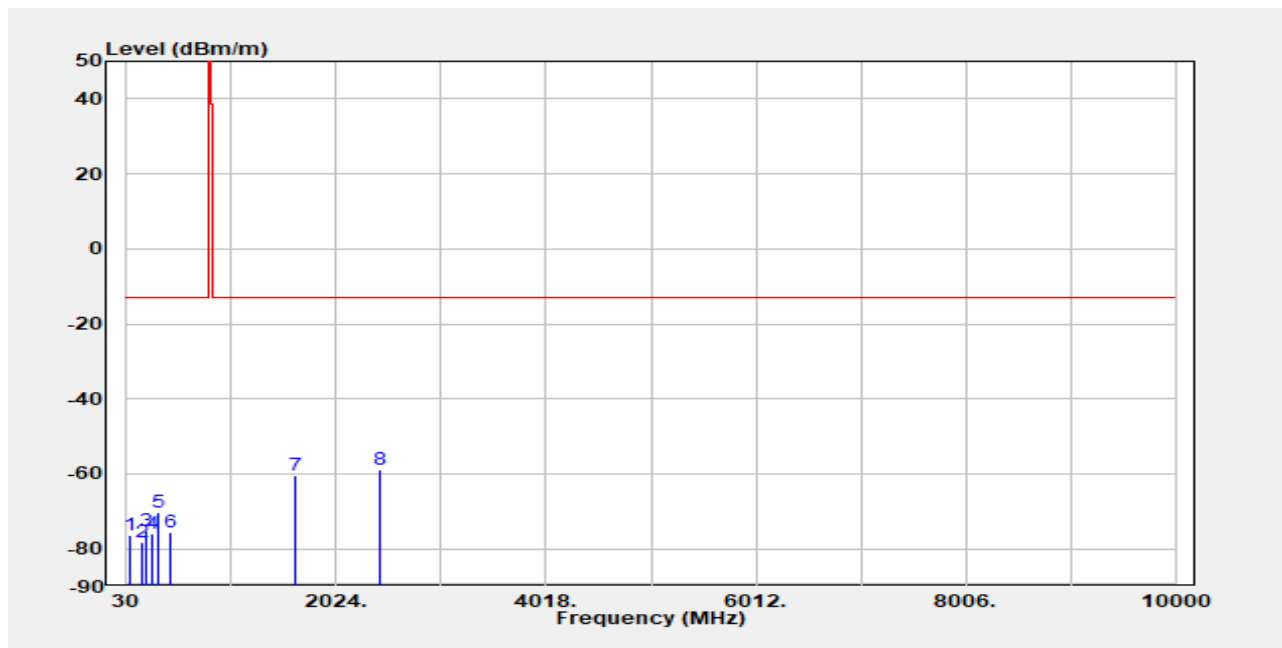
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.24	-61.17	-8.61	-1.46	-13.00	-58.24
167.740	-76.40	-73.67	-0.35	-2.37	-13.00	-63.40
216.240	-73.07	-74.97	4.58	-2.69	-13.00	-60.07
263.770	-72.05	-73.22	4.15	-2.98	-13.00	-59.05
339.430	-74.83	-75.46	4.00	-3.37	-13.00	-61.83
494.630	-72.35	-72.27	3.97	-4.06	-13.00	-59.35
1697.800	-60.16	-62.57	9.98	-7.57	-13.00	-47.16
2546.700	-58.24	-59.48	10.60	-9.36	-13.00	-45.24

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :814.2 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



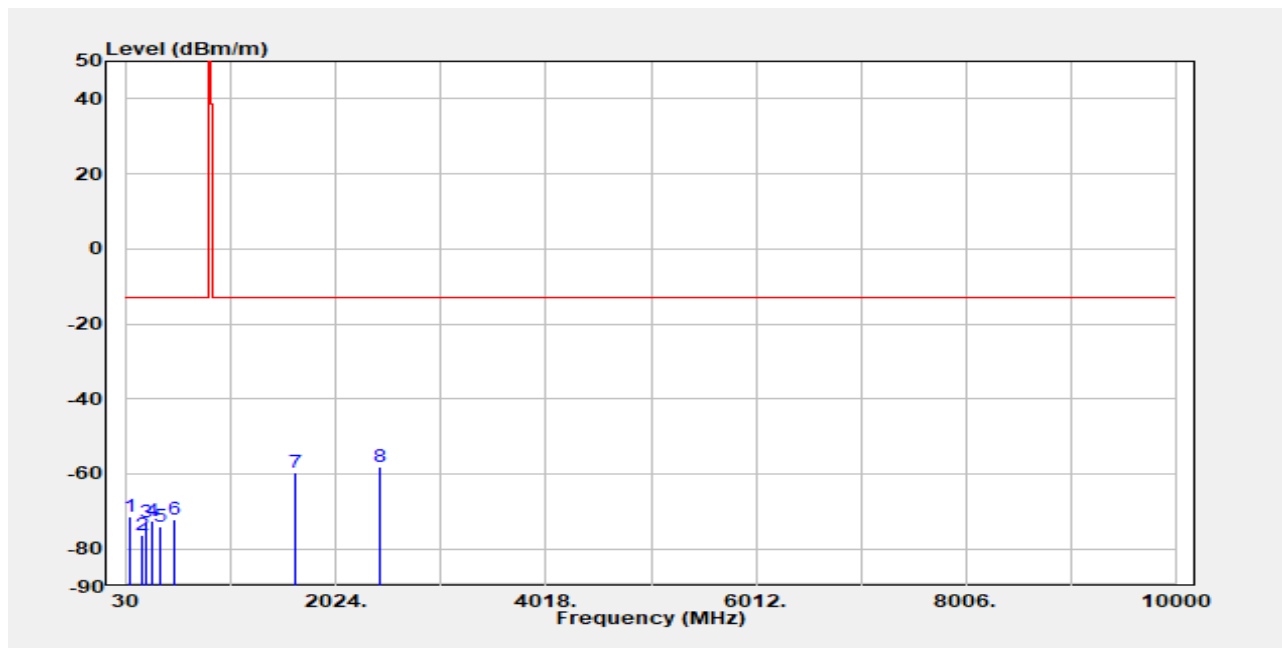
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.40	-66.33	-8.61	-1.46	-13.00	-63.40
181.320	-78.16	-77.18	1.48	-2.46	-13.00	-65.16
216.240	-75.02	-76.91	4.58	-2.69	-13.00	-62.02
263.770	-76.01	-77.18	4.15	-2.98	-13.00	-63.01
327.790	-70.18	-70.75	3.88	-3.31	-13.00	-57.18
447.100	-75.48	-75.25	3.63	-3.86	-13.00	-62.48
1628.200	-60.42	-62.39	9.38	-7.41	-13.00	-47.42
2442.300	-58.73	-59.96	10.40	-9.16	-13.00	-45.73

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :814.2 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



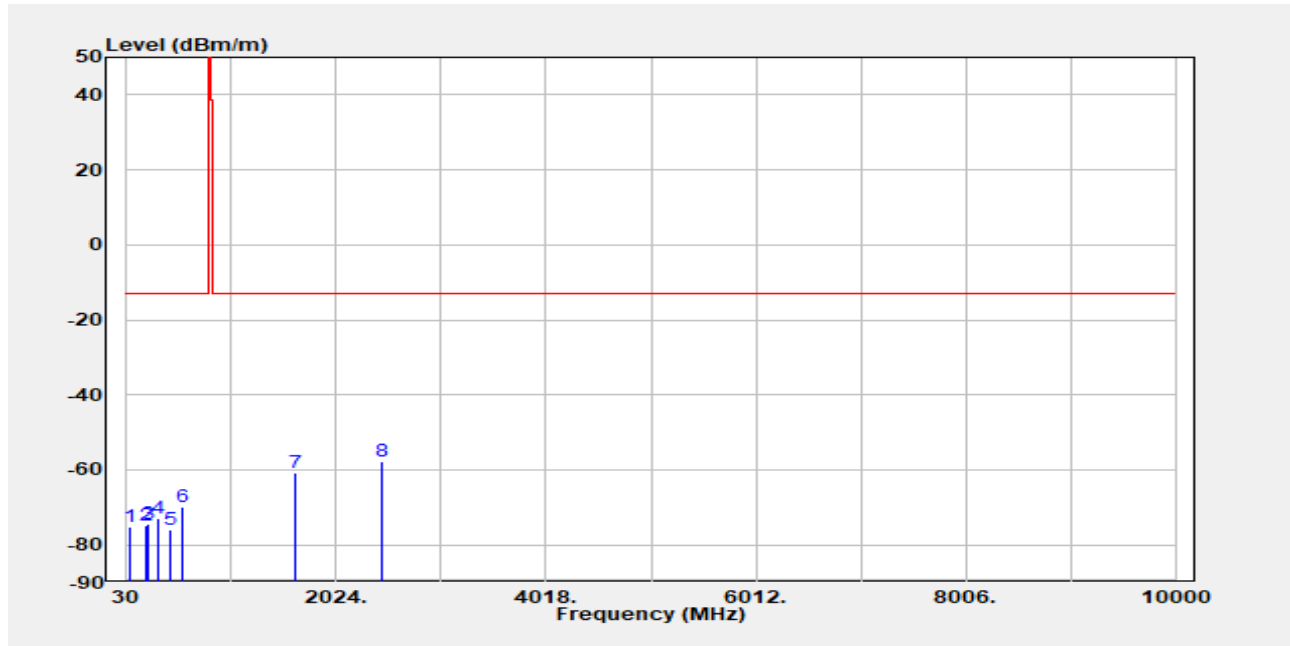
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-71.41	-61.34	-8.61	-1.46	-13.00	-58.41
167.740	-76.38	-73.66	-0.35	-2.37	-13.00	-63.38
216.240	-72.83	-74.72	4.58	-2.69	-13.00	-59.83
263.770	-72.68	-73.85	4.15	-2.98	-13.00	-59.68
344.280	-73.97	-74.62	4.04	-3.39	-13.00	-60.97
491.720	-72.18	-72.11	3.98	-4.05	-13.00	-59.18
1628.200	-59.55	-61.52	9.38	-7.41	-13.00	-46.55
2442.300	-58.28	-59.52	10.40	-9.16	-13.00	-45.28

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :819 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



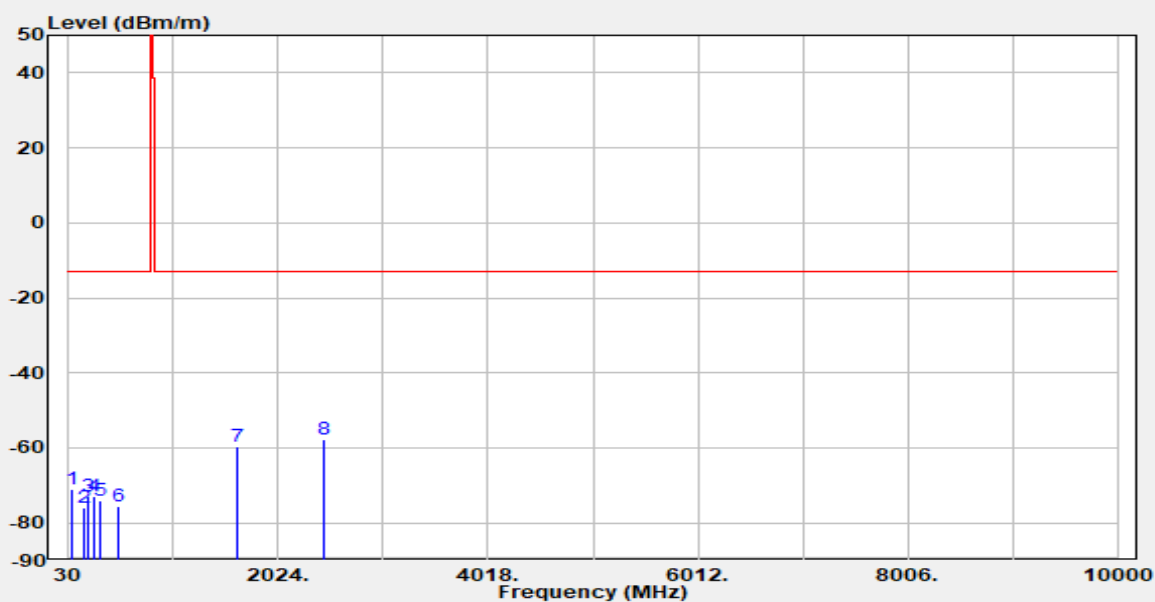
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-75.18	-65.11	-8.61	-1.46	-13.00	-62.18
216.240	-74.79	-76.68	4.58	-2.69	-13.00	-61.79
230.790	-74.29	-76.11	4.60	-2.77	-13.00	-61.29
328.760	-72.78	-73.33	3.87	-3.31	-13.00	-59.78
446.130	-76.10	-75.84	3.59	-3.85	-13.00	-63.10
565.440	-70.08	-70.04	4.30	-4.34	-13.00	-57.08
1638.000	-60.78	-62.75	9.40	-7.43	-13.00	-47.78
2457.000	-57.80	-59.08	10.47	-9.19	-13.00	-44.80

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :819 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



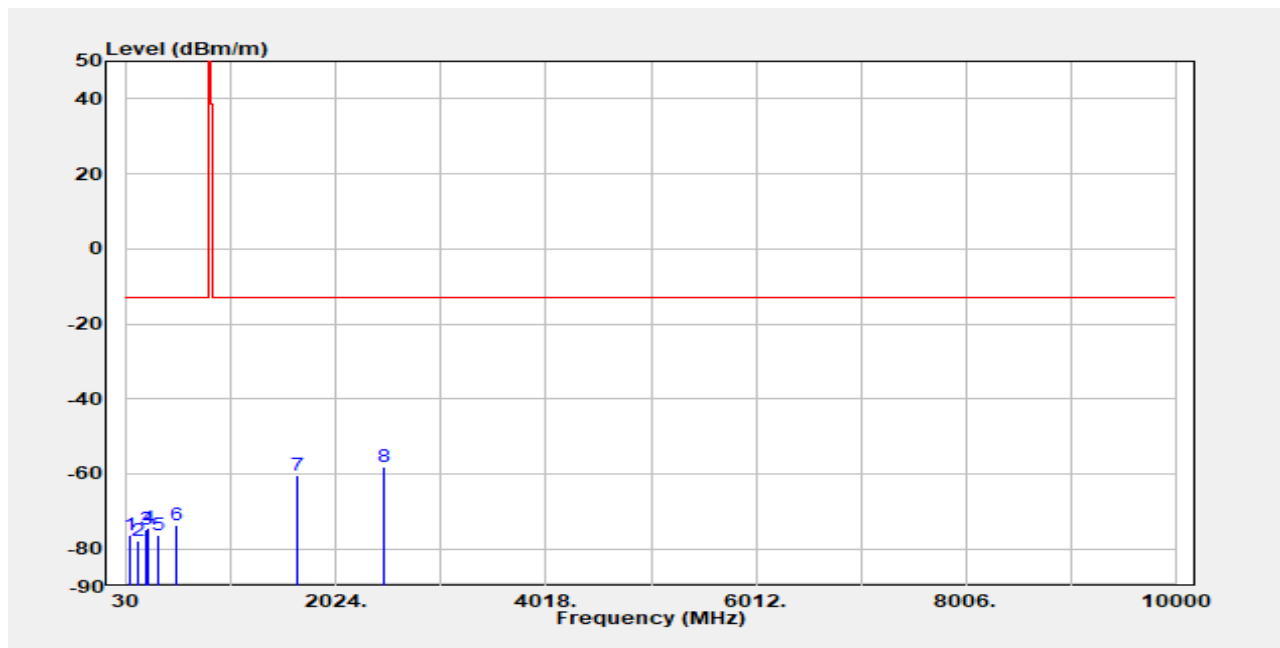
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-70.86	-60.79	-8.61	-1.46	-13.00	-57.86
167.740	-75.98	-73.25	-0.35	-2.37	-13.00	-62.98
216.240	-73.04	-74.93	4.58	-2.69	-13.00	-60.04
263.770	-72.95	-74.13	4.15	-2.98	-13.00	-59.95
329.730	-74.11	-74.64	3.85	-3.32	-13.00	-61.11
492.690	-75.40	-75.32	3.97	-4.05	-13.00	-62.40
1638.000	-59.80	-61.77	9.40	-7.43	-13.00	-46.80
2457.000	-57.93	-59.21	10.47	-9.19	-13.00	-44.93

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :823.8 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



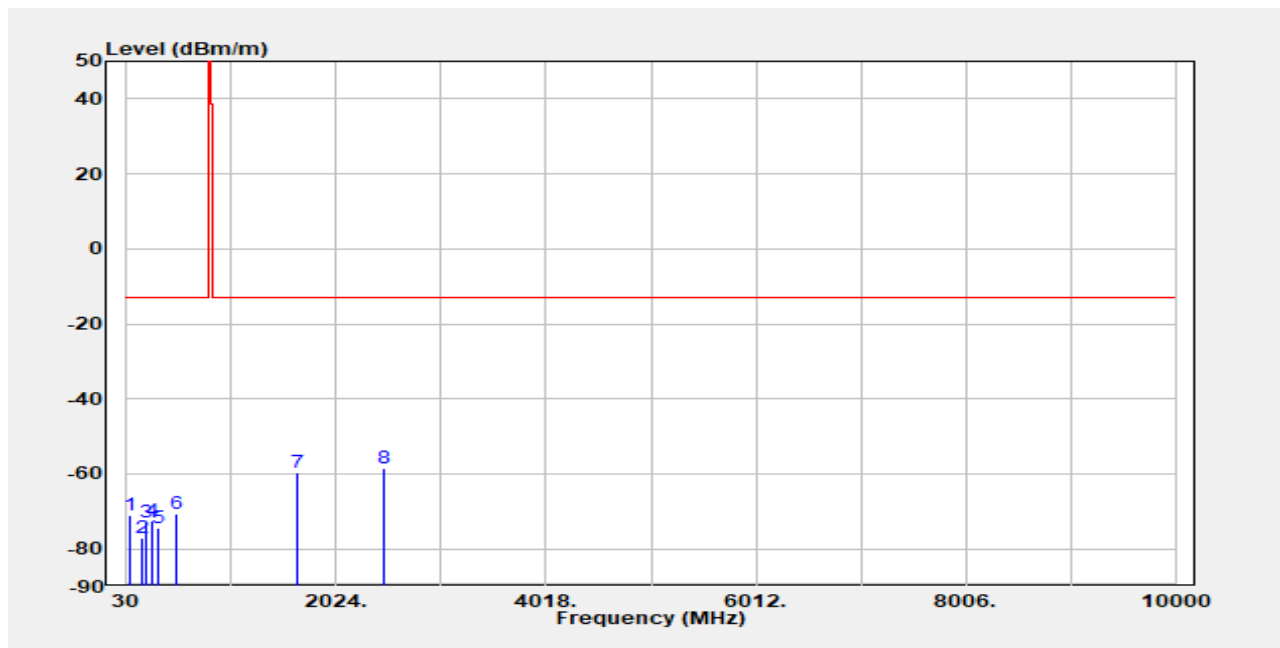
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-76.41	-66.33	-8.61	-1.46	-13.00	-63.41
130.880	-77.92	-74.06	-1.77	-2.10	-13.00	-64.92
216.240	-74.72	-76.61	4.58	-2.69	-13.00	-61.72
233.700	-74.62	-76.01	4.18	-2.79	-13.00	-61.62
329.730	-76.38	-76.91	3.85	-3.32	-13.00	-63.38
494.630	-73.50	-73.41	3.97	-4.06	-13.00	-60.50
1647.800	-60.57	-62.59	9.48	-7.45	-13.00	-47.57
2471.700	-58.31	-59.67	10.58	-9.22	-13.00	-45.31

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B26(Part90S)  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :823.8 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



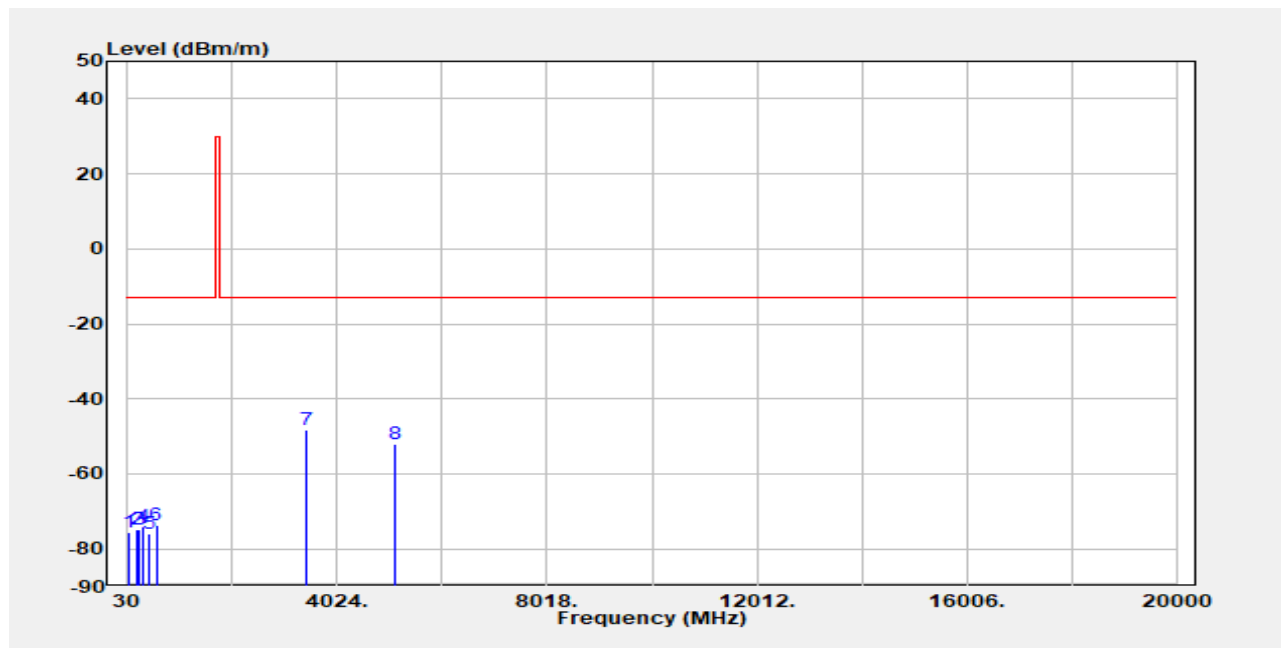
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-70.90	-60.82	-8.61	-1.46	-13.00	-57.90
167.740	-77.12	-74.40	-0.35	-2.37	-13.00	-64.12
216.240	-72.87	-74.76	4.58	-2.69	-13.00	-59.87
263.770	-72.59	-73.76	4.15	-2.98	-13.00	-59.59
338.460	-74.37	-74.98	3.97	-3.36	-13.00	-61.37
493.660	-70.74	-70.65	3.97	-4.05	-13.00	-57.74
1647.800	-59.58	-61.61	9.48	-7.45	-13.00	-46.58
2471.700	-58.39	-59.75	10.58	-9.22	-13.00	-45.39

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B66  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1710.1 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-75.46	-65.39	-8.61	-1.46	-13.00	-62.46
216.240	-74.65	-76.54	4.58	-2.69	-13.00	-61.65
238.550	-74.68	-75.63	3.77	-2.82	-13.00	-61.68
327.790	-73.88	-74.45	3.88	-3.31	-13.00	-60.88
442.250	-75.95	-75.72	3.61	-3.84	-13.00	-62.95
572.230	-73.51	-73.23	4.09	-4.37	-13.00	-60.51
3420.200	-48.10	-49.80	12.60	-10.90	-13.00	-35.10
5130.300	-52.24	-51.16	12.40	-13.48	-13.00	-39.24

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B66

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1710.1 MHz

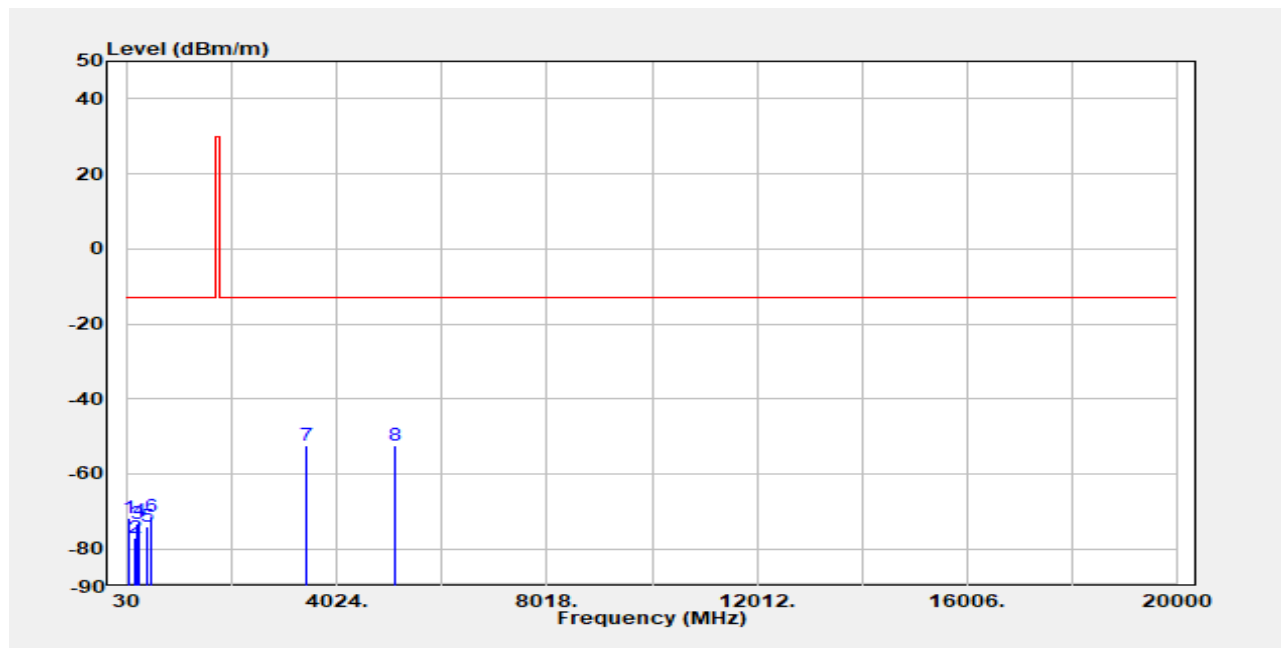
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-71.62	-61.54	-8.61	-1.46	-13.00	-58.62
167.740	-77.10	-74.38	-0.35	-2.37	-13.00	-64.10
216.240	-73.39	-75.28	4.58	-2.69	-13.00	-60.39
263.770	-72.50	-73.67	4.15	-2.98	-13.00	-59.50
385.020	-73.93	-74.24	3.89	-3.58	-13.00	-60.93
491.720	-71.52	-71.45	3.98	-4.05	-13.00	-58.52
3420.200	-52.29	-53.99	12.60	-10.90	-13.00	-39.29
5130.300	-52.62	-51.54	12.40	-13.48	-13.00	-39.62

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B66

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1745 MHz

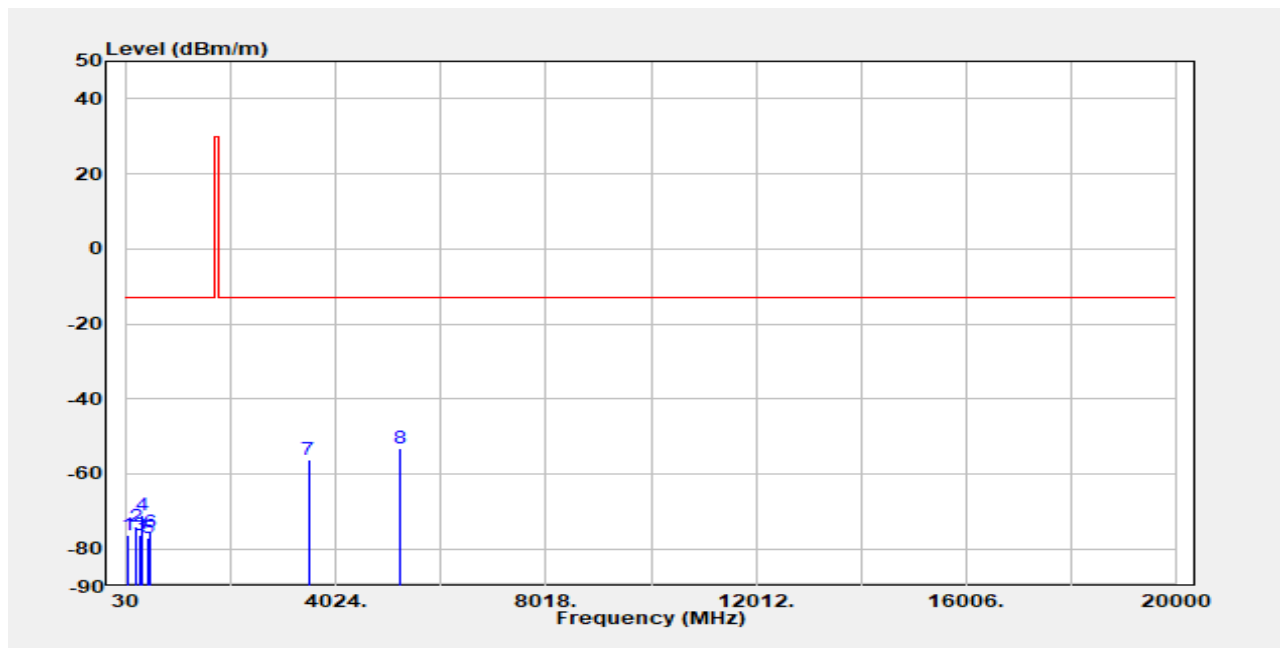
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit @3m dBm	Margin dB
63.950	-76.39	-66.32	-8.61	-1.46	-13.00	-63.39
216.240	-74.14	-76.03	4.58	-2.69	-13.00	-61.14
279.290	-76.27	-76.93	3.71	-3.06	-13.00	-63.27
328.760	-70.86	-71.41	3.87	-3.31	-13.00	-57.86
447.100	-77.22	-76.99	3.63	-3.86	-13.00	-64.22
491.720	-75.50	-75.43	3.98	-4.05	-13.00	-62.50
3490.000	-56.39	-57.81	12.44	-11.01	-13.00	-43.39
5235.000	-53.15	-52.33	12.81	-13.63	-13.00	-40.15

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B66

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1745 MHz

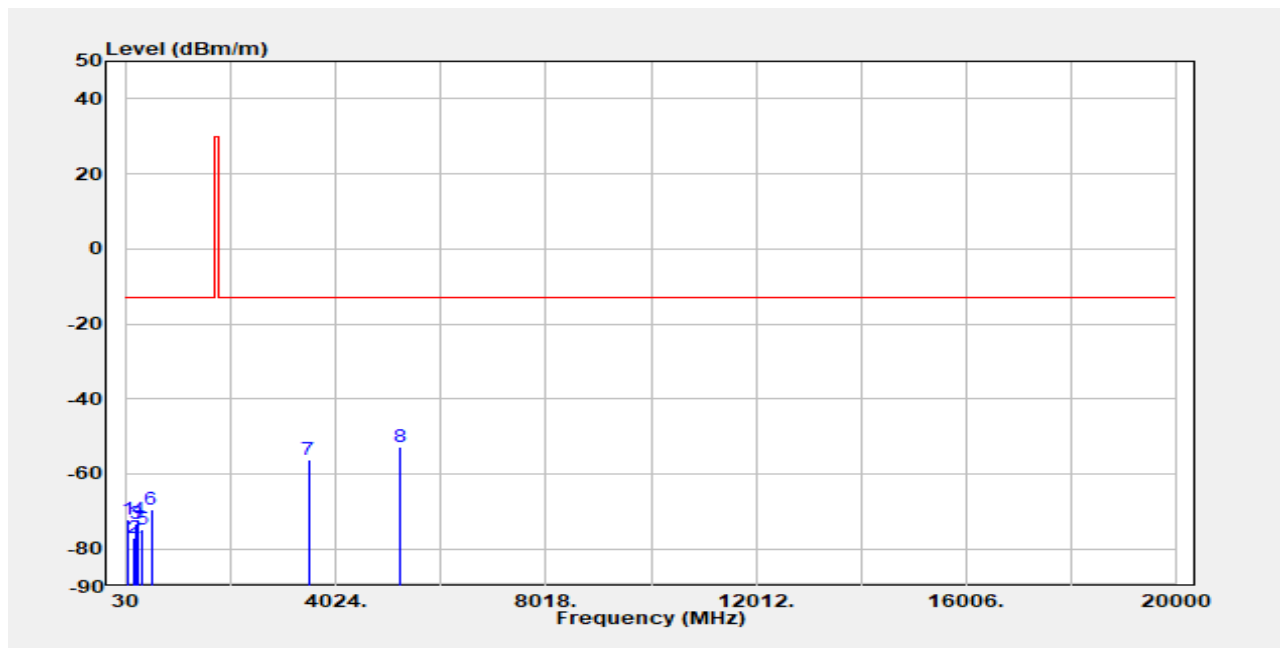
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-72.06	-61.99	-8.61	-1.46	-13.00	-59.06
167.740	-77.10	-74.38	-0.35	-2.37	-13.00	-64.10
216.240	-73.35	-75.25	4.58	-2.69	-13.00	-60.35
263.770	-72.30	-73.47	4.15	-2.98	-13.00	-59.30
340.400	-74.93	-75.57	4.01	-3.37	-13.00	-61.93
494.630	-69.59	-69.51	3.97	-4.06	-13.00	-56.59
3490.000	-56.42	-57.84	12.44	-11.01	-13.00	-43.42
5235.000	-52.84	-52.02	12.81	-13.63	-13.00	-39.84

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B66

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :1779.9 MHz

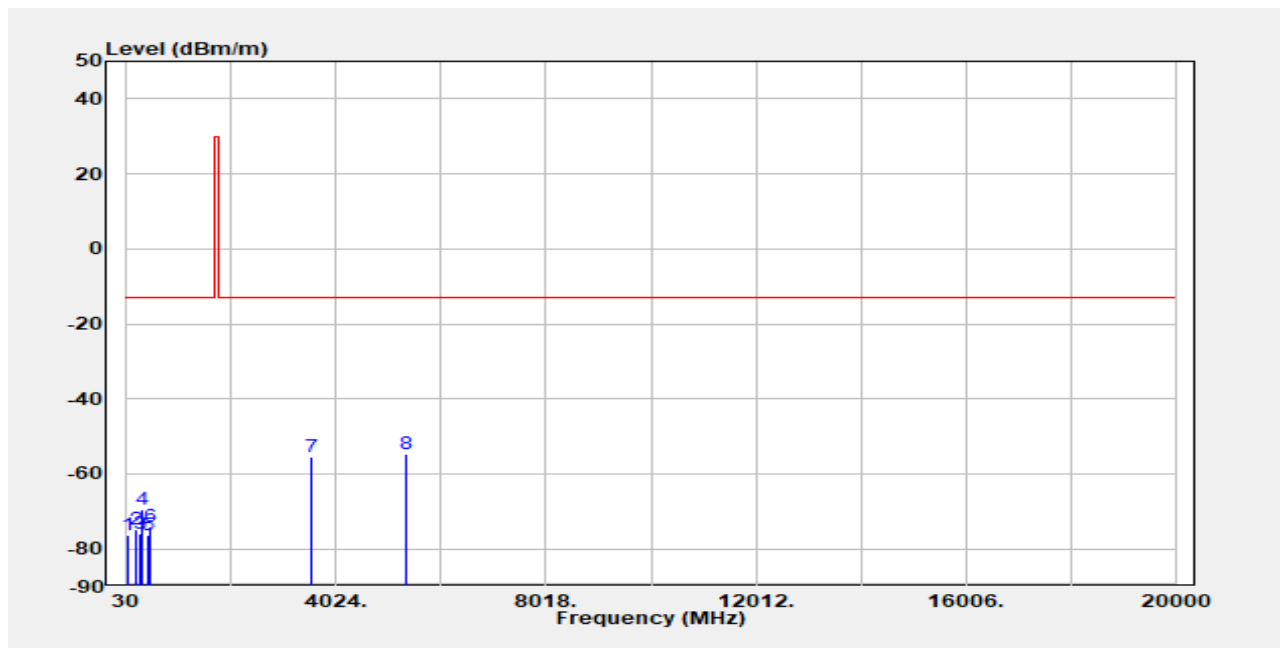
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



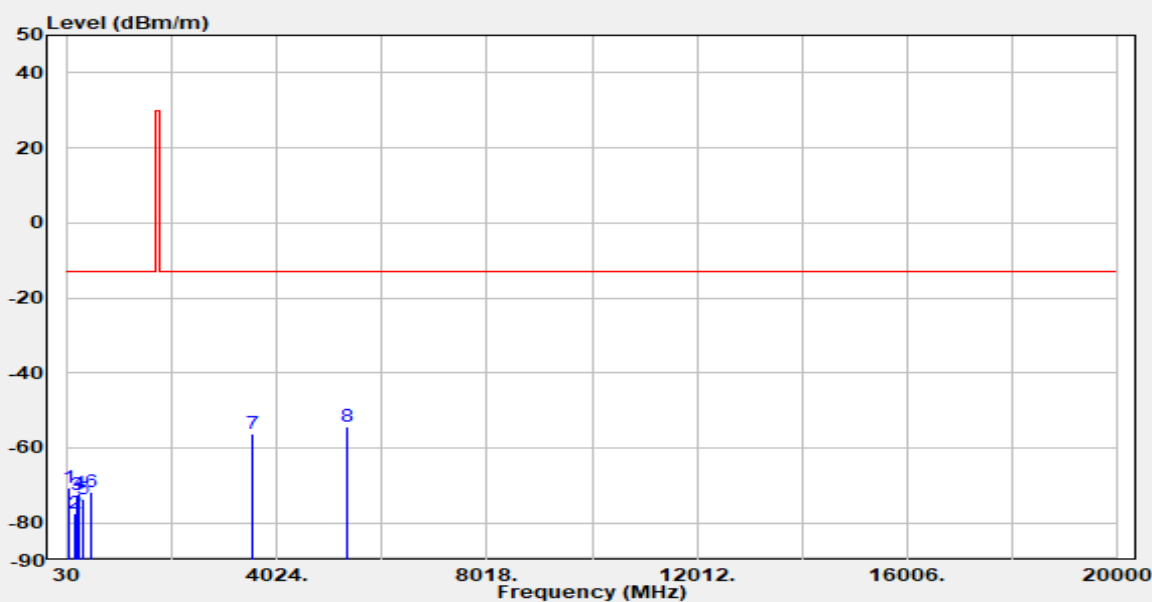
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-76.40	-66.32	-8.61	-1.46	-13.00	-63.40
216.240	-74.68	-76.58	4.58	-2.69	-13.00	-61.68
288.020	-76.11	-76.72	3.71	-3.10	-13.00	-63.11
329.730	-69.39	-69.92	3.85	-3.32	-13.00	-56.39
427.700	-76.50	-76.67	3.94	-3.77	-13.00	-63.50
493.660	-73.91	-73.82	3.97	-4.05	-13.00	-60.91
3559.800	-55.49	-56.58	12.22	-11.13	-13.00	-42.49
5339.700	-54.53	-53.84	13.08	-13.77	-13.00	-41.53

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B66  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :1779.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
63.950	-70.80	-60.72	-8.61	-1.46	-13.00	-57.80
167.740	-77.62	-74.90	-0.35	-2.37	-13.00	-64.62
216.240	-72.70	-74.59	4.58	-2.69	-13.00	-59.70
263.770	-72.12	-73.29	4.15	-2.98	-13.00	-59.12
327.790	-73.80	-74.37	3.88	-3.31	-13.00	-60.80
493.660	-71.63	-71.54	3.97	-4.05	-13.00	-58.63
3559.800	-56.11	-57.21	12.22	-11.13	-13.00	-43.11
5339.700	-54.39	-53.70	13.08	-13.77	-13.00	-41.39

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :777.1 MHz

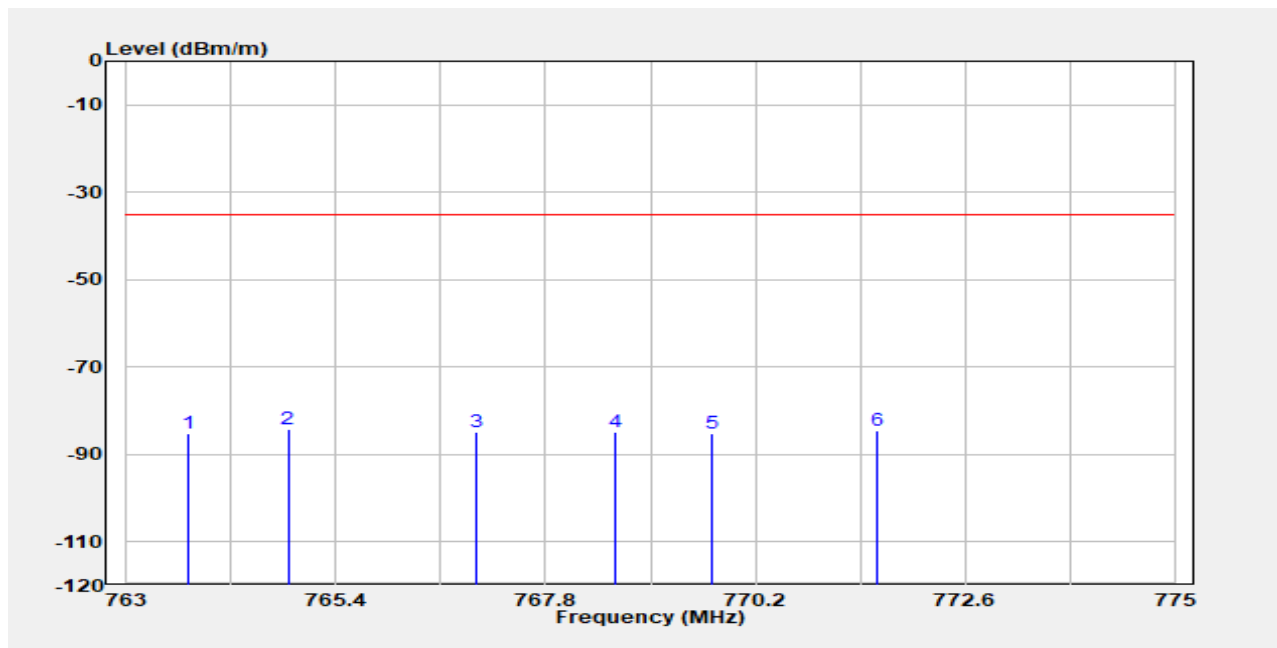
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
763.708	-85.20	-83.64	3.46	-5.02	-35.00	-50.20
764.848	-84.34	-82.77	3.45	-5.03	-35.00	-49.34
767.008	-85.01	-83.45	3.47	-5.04	-35.00	-50.01
768.592	-84.92	-83.37	3.49	-5.04	-35.00	-49.92
769.708	-85.35	-83.80	3.51	-5.05	-35.00	-50.35
771.592	-84.67	-83.14	3.53	-5.05	-35.00	-49.67

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :777.1 MHz

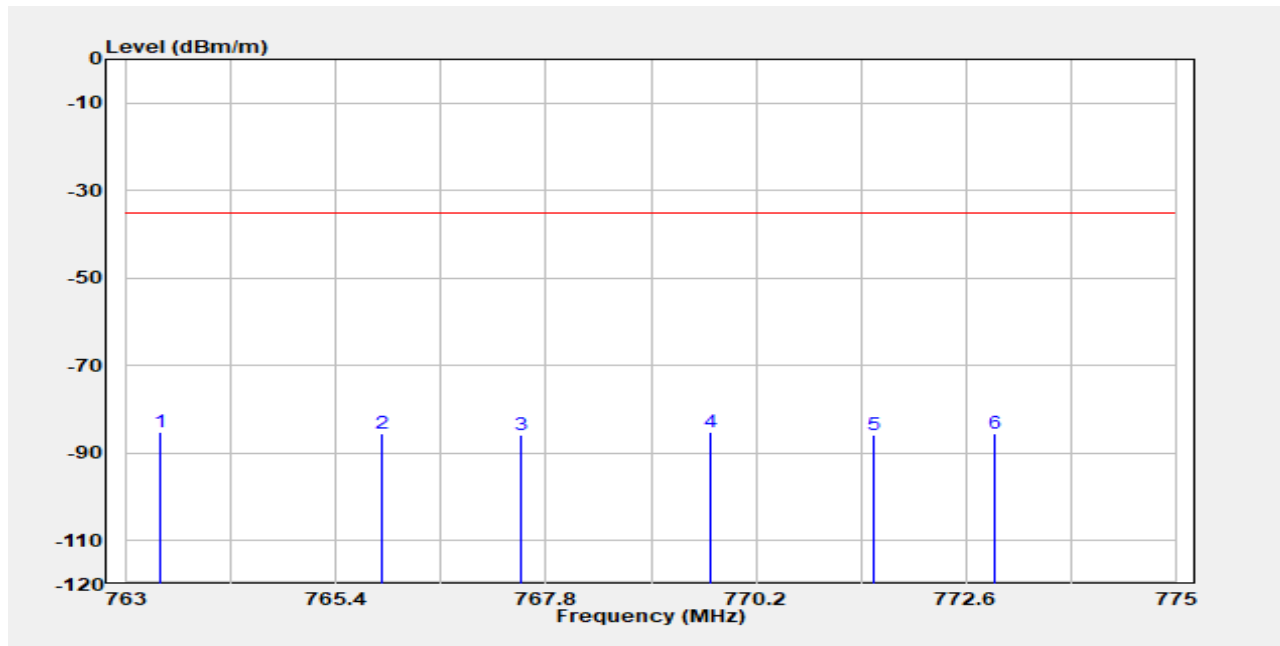
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
763.384	-85.16	-83.60	3.47	-5.02	-35.00	-50.16
765.916	-85.46	-83.88	3.46	-5.03	-35.00	-50.46
767.512	-85.75	-84.19	3.48	-5.04	-35.00	-50.75
769.672	-85.25	-83.71	3.51	-5.05	-35.00	-50.25
771.556	-85.76	-84.24	3.53	-5.05	-35.00	-50.76
772.924	-85.37	-83.86	3.55	-5.06	-35.00	-50.37

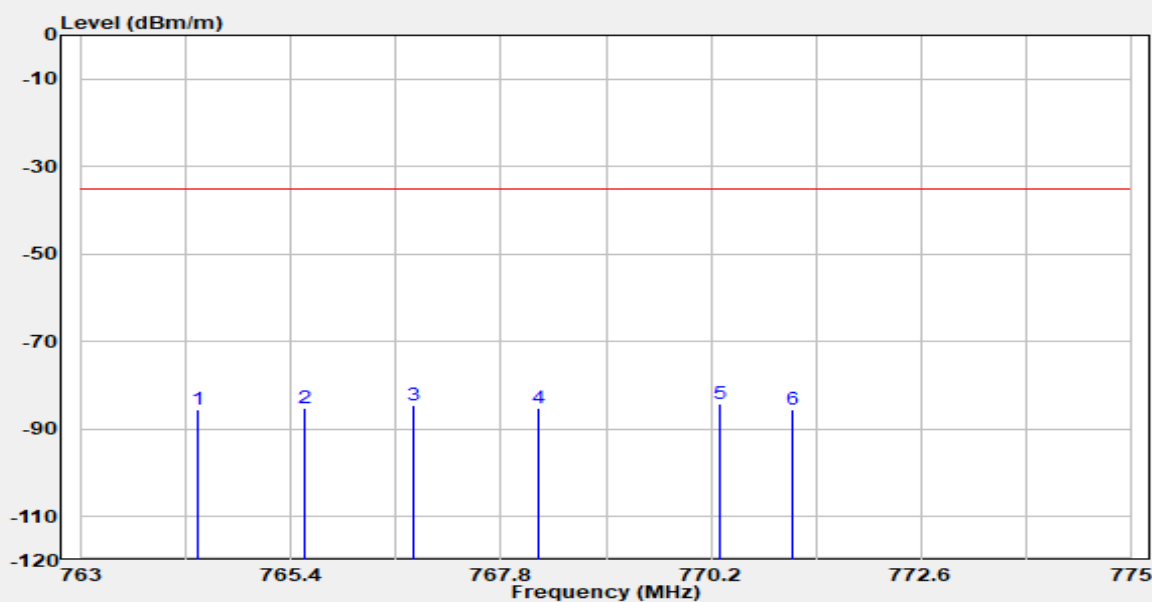
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
764.320	-85.41	-83.84	3.46	-5.03	-35.00	-50.41
765.544	-85.05	-83.47	3.46	-5.03	-35.00	-50.05
766.792	-84.56	-83.00	3.47	-5.04	-35.00	-49.56
768.232	-85.12	-83.57	3.49	-5.04	-35.00	-50.12
770.296	-84.19	-82.65	3.51	-5.05	-35.00	-49.19
771.124	-85.54	-84.01	3.52	-5.05	-35.00	-50.54

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :782 MHz

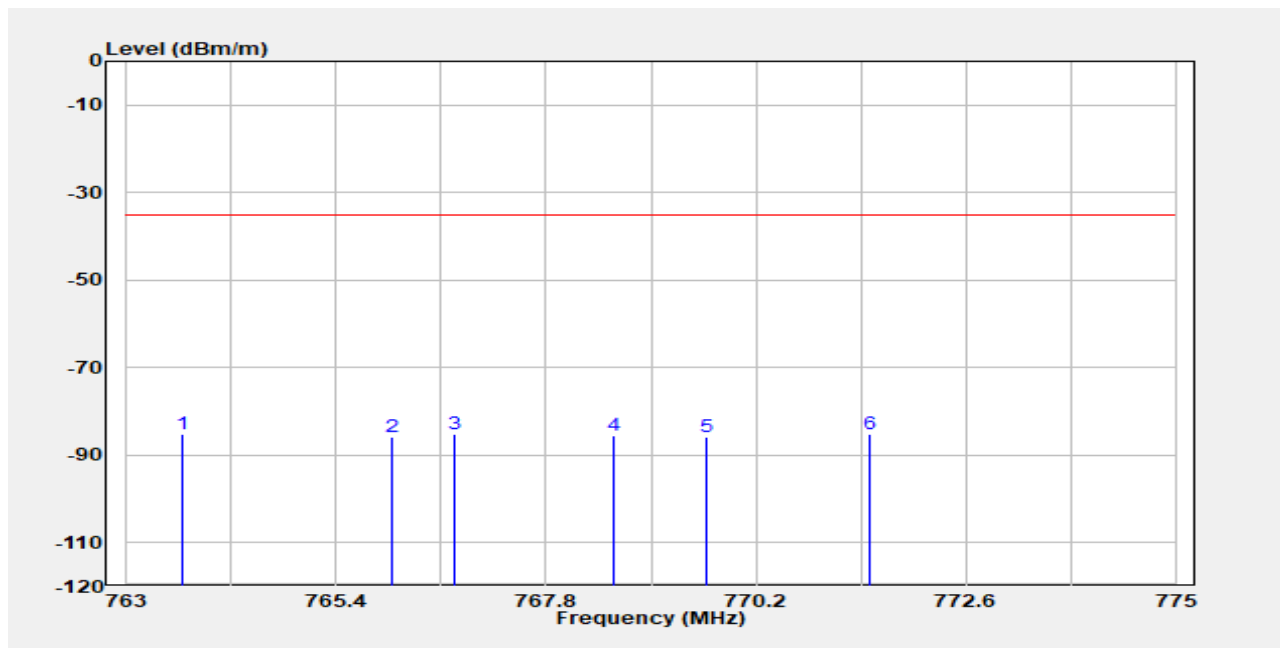
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



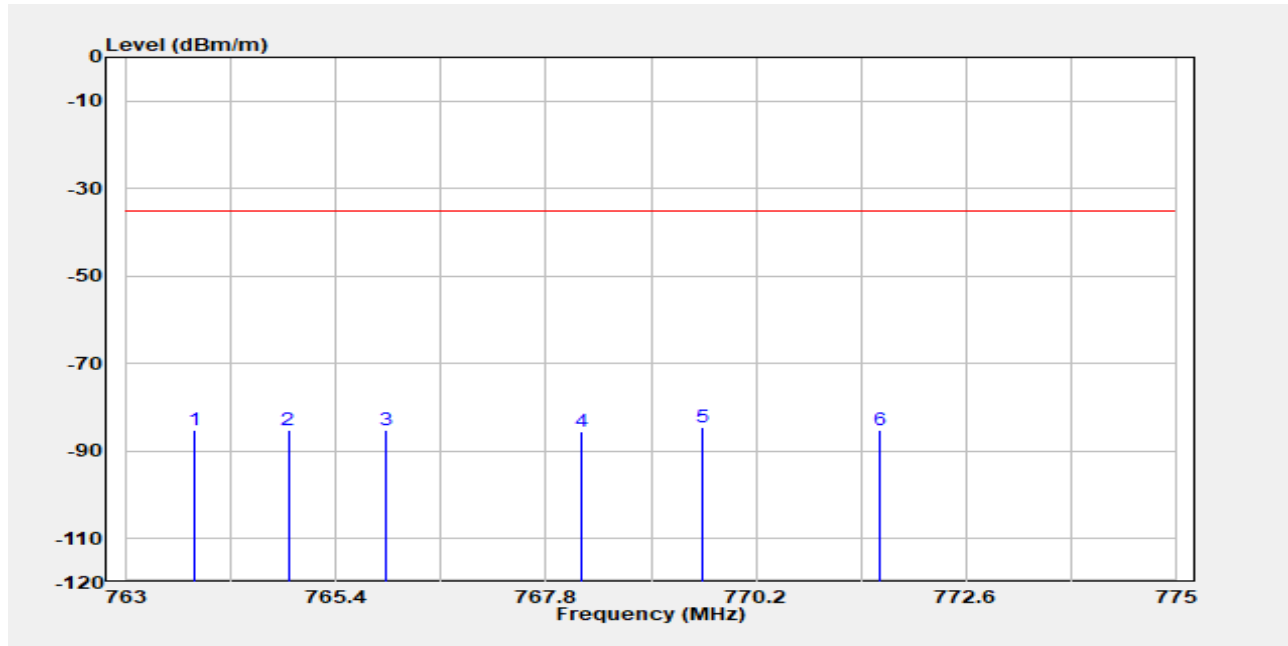
Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
763.636	-85.27	-83.71	3.46	-5.02	-35.00	-50.27
766.036	-85.77	-84.20	3.46	-5.03	-35.00	-50.77
766.756	-85.06	-83.50	3.47	-5.04	-35.00	-50.06
768.580	-85.56	-84.01	3.49	-5.04	-35.00	-50.56
769.636	-85.91	-84.36	3.51	-5.05	-35.00	-50.91
771.496	-85.30	-83.77	3.53	-5.05	-35.00	-50.30

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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :786.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
763.768	-85.28	-83.71	3.46	-5.03	-35.00	-50.28
764.848	-85.20	-83.62	3.45	-5.03	-35.00	-50.20
765.976	-85.25	-83.68	3.46	-5.03	-35.00	-50.25
768.196	-85.43	-83.87	3.49	-5.04	-35.00	-50.43
769.588	-84.68	-83.14	3.51	-5.05	-35.00	-49.68
771.628	-85.23	-83.71	3.53	-5.05	-35.00	-50.23

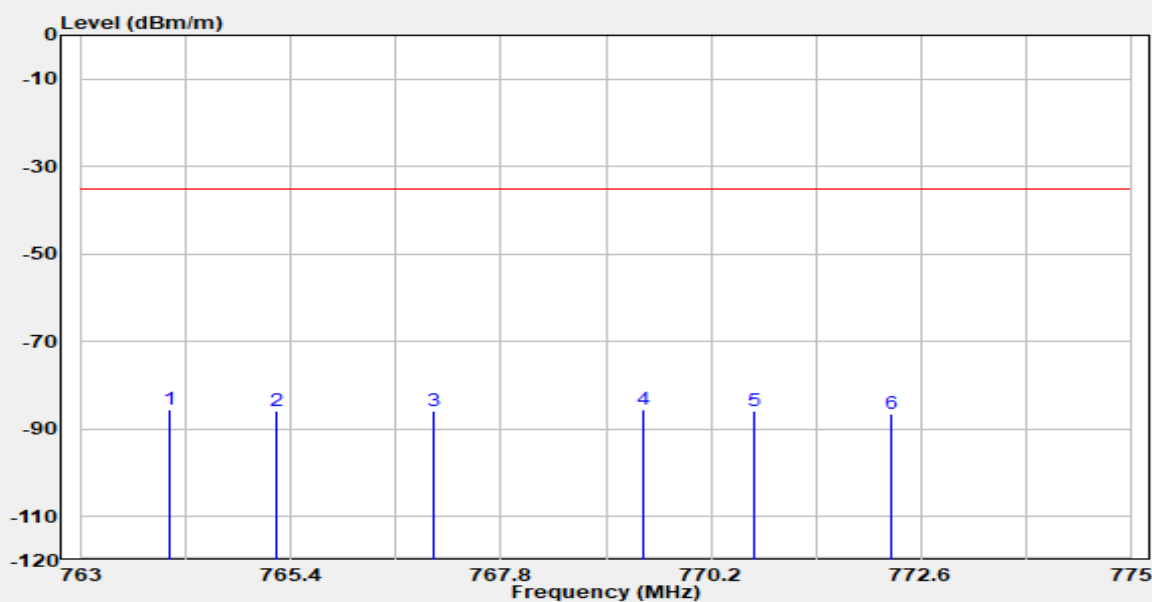
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :786.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Horizontal  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
764.008	-85.53	-83.96	3.46	-5.03	-35.00	-50.53
765.232	-85.77	-84.19	3.45	-5.03	-35.00	-50.77
767.020	-85.96	-84.40	3.47	-5.04	-35.00	-50.96
769.432	-85.49	-83.95	3.50	-5.05	-35.00	-50.49
770.704	-85.89	-84.36	3.52	-5.05	-35.00	-50.89
772.264	-86.39	-84.87	3.54	-5.06	-35.00	-51.39

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :777.1 MHz

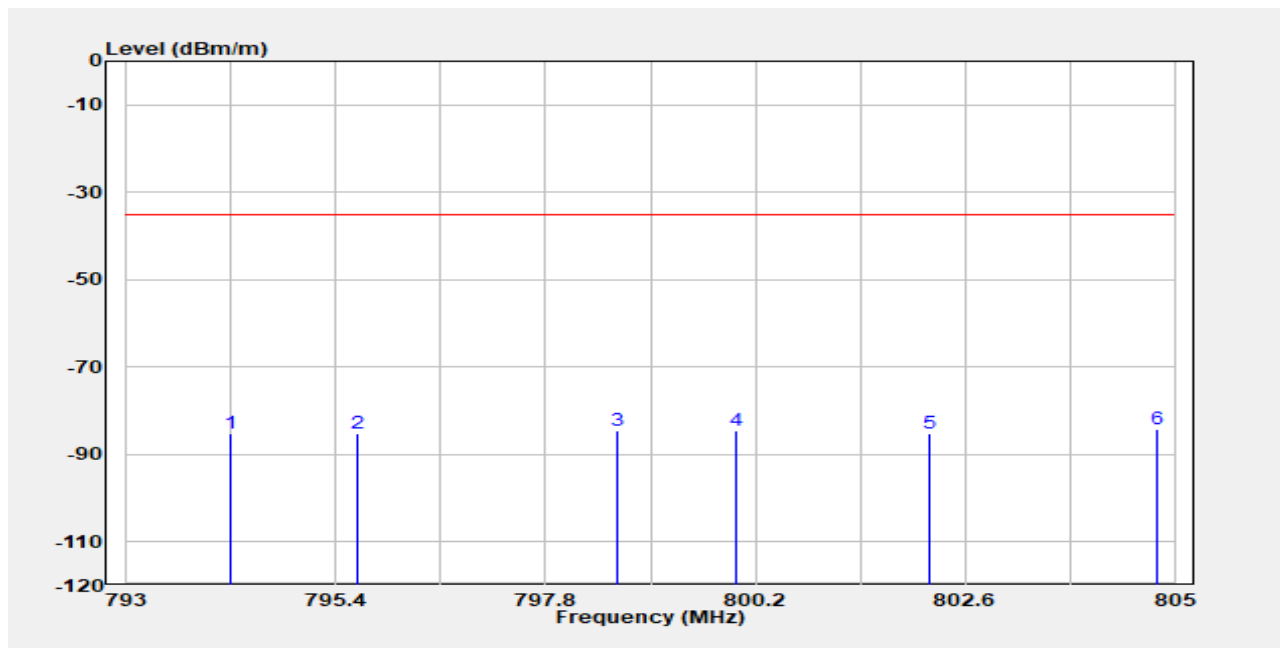
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Vertical

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
794.188	-85.21	-83.49	3.41	-5.13	-35.00	-50.21
795.652	-85.10	-83.35	3.38	-5.13	-35.00	-50.10
798.628	-84.58	-82.79	3.35	-5.14	-35.00	-49.58
799.972	-84.42	-82.61	3.34	-5.15	-35.00	-49.42
802.204	-85.29	-83.46	3.32	-5.16	-35.00	-50.29
804.808	-84.27	-82.40	3.30	-5.16	-35.00	-49.27

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :777.1 MHz

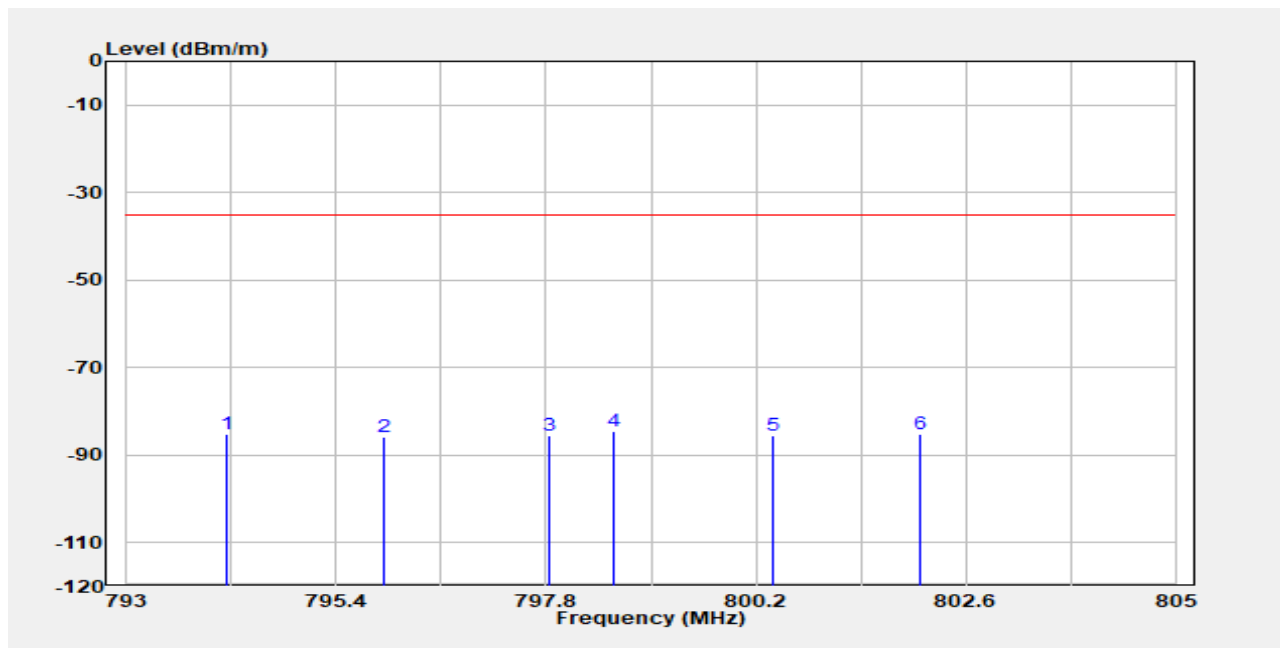
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
794.140	-85.33	-83.62	3.41	-5.13	-35.00	-50.33
795.940	-85.89	-84.14	3.38	-5.13	-35.00	-50.89
797.836	-85.38	-83.60	3.36	-5.14	-35.00	-50.38
798.580	-84.71	-82.92	3.35	-5.14	-35.00	-49.71
800.392	-85.65	-83.84	3.34	-5.15	-35.00	-50.65
802.084	-85.13	-83.29	3.32	-5.16	-35.00	-50.13

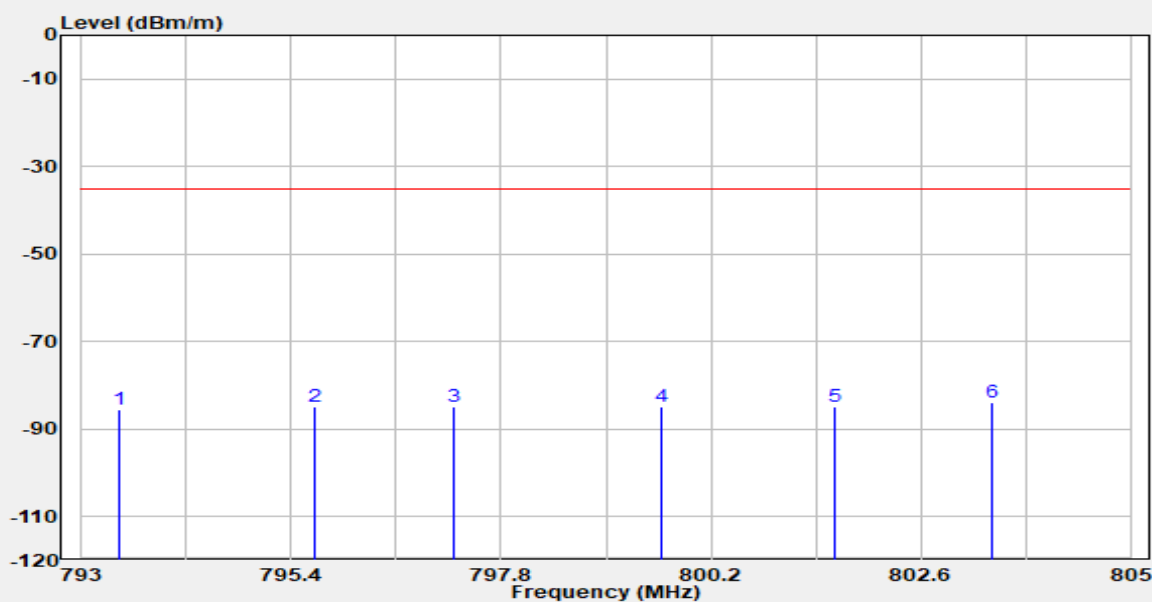
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :782 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
793.432	-85.39	-83.70	3.43	-5.12	-35.00	-50.39
795.676	-84.99	-83.24	3.38	-5.13	-35.00	-49.99
797.248	-84.73	-82.96	3.37	-5.14	-35.00	-49.73
799.624	-84.89	-83.08	3.34	-5.15	-35.00	-49.89
801.616	-84.73	-82.90	3.33	-5.15	-35.00	-49.73
803.428	-83.81	-81.97	3.31	-5.16	-35.00	-48.81

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :782 MHz

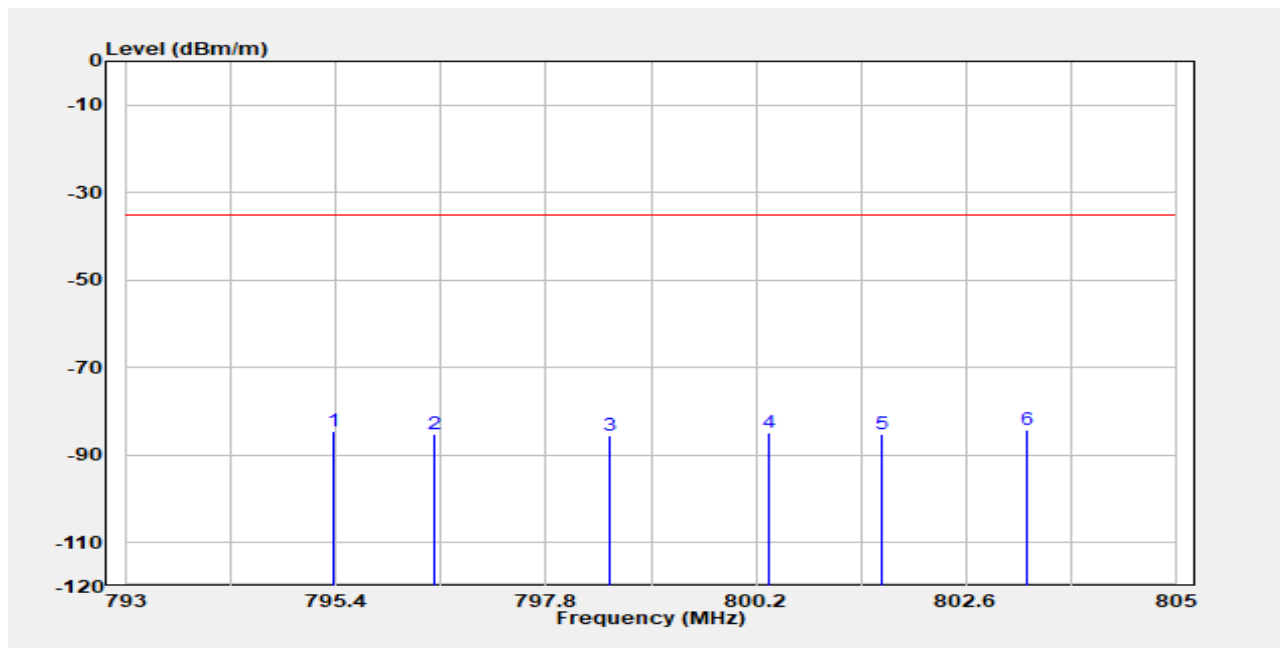
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
795.376	-84.63	-82.88	3.39	-5.13	-35.00	-49.63
796.516	-85.32	-83.56	3.37	-5.14	-35.00	-50.32
798.532	-85.45	-83.66	3.35	-5.14	-35.00	-50.45
800.344	-85.01	-83.20	3.34	-5.15	-35.00	-50.01
801.640	-85.32	-83.49	3.33	-5.15	-35.00	-50.32
803.308	-84.37	-82.53	3.31	-5.16	-35.00	-49.37

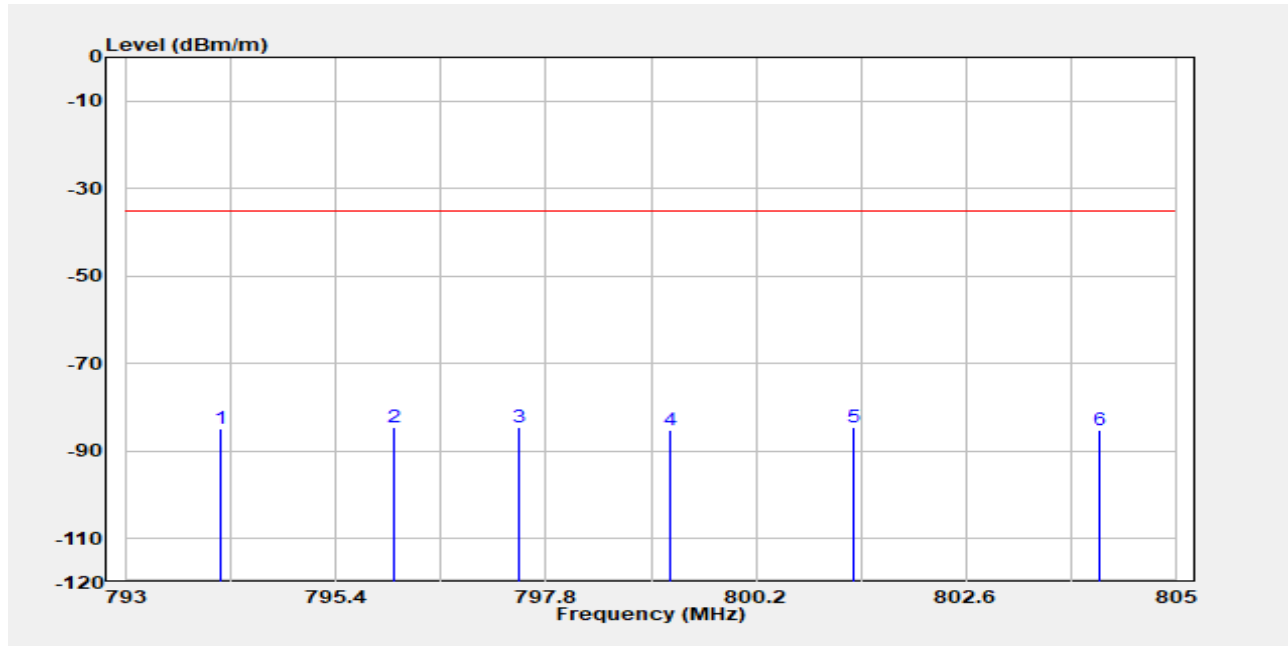
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Report Number :TERF2408002532ER  
Operation Mode :NB-IoT B13  
Test Mode :Tx  
EUT Pol :H Plane  
Test Frequency :786.9 MHz

Test Site :SAC 3  
Test Date :2024-10-16  
Temp./Humi. :24.3°C/63%  
Antenna Pol. :Vertical  
Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level	Gain	Loss	@3m	
		dBm	dBi/dBd	dB	dBm	dB
794.080	-85.01	-83.30	3.42	-5.13	-35.00	-50.01
796.060	-84.57	-82.82	3.38	-5.13	-35.00	-49.57
797.500	-84.52	-82.75	3.37	-5.14	-35.00	-49.52
799.216	-85.36	-83.56	3.35	-5.15	-35.00	-50.36
801.328	-84.69	-82.86	3.33	-5.15	-35.00	-49.69
804.124	-85.23	-83.38	3.31	-5.16	-35.00	-50.23

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Report Number :TERF2408002532ER

Operation Mode :NB-IoT B13

Test Mode :Tx

EUT Pol :H Plane

Test Frequency :786.9 MHz

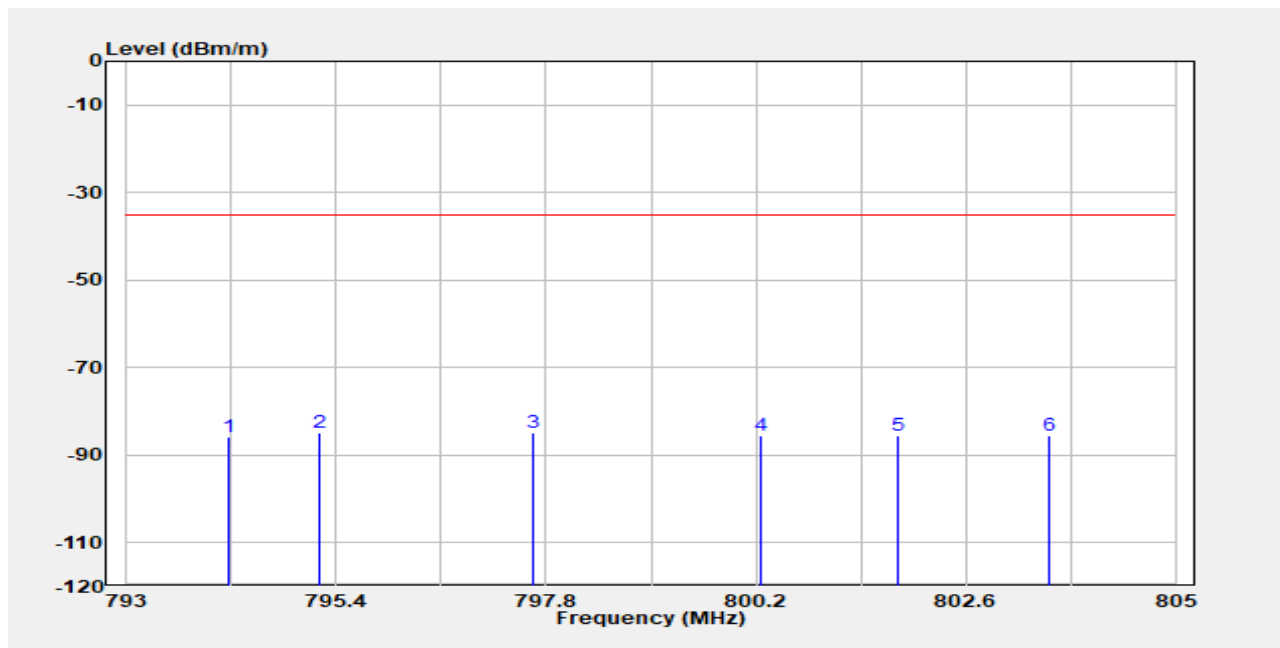
Test Site :SAC 3

Test Date :2024-10-16

Temp./Humi. :24.3°C/63%

Antenna  
Pol. :Horizontal

Engineer :Cooper Hsu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	@3m dBm	dB
794.176	-85.72	-84.01	3.41	-5.13	-35.00	-50.72
795.208	-84.76	-83.01	3.39	-5.13	-35.00	-49.76
797.656	-84.80	-83.02	3.36	-5.14	-35.00	-49.80
800.260	-85.47	-83.66	3.34	-5.15	-35.00	-50.47
801.832	-85.38	-83.55	3.33	-5.16	-35.00	-50.38
803.560	-85.37	-83.52	3.31	-5.16	-35.00	-50.37

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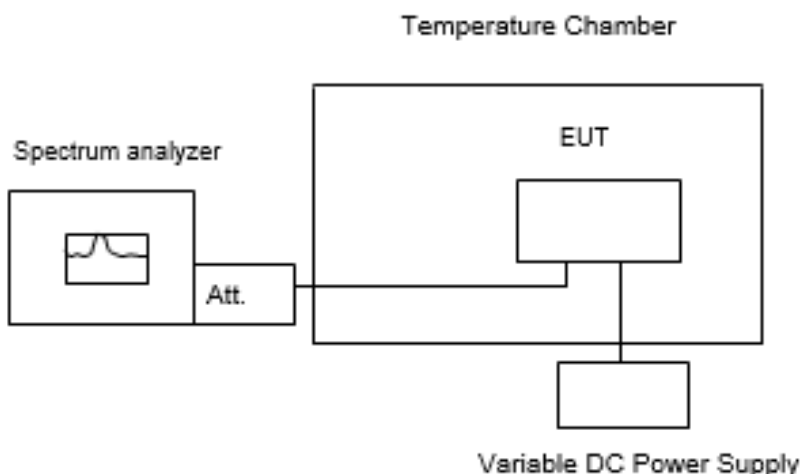
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## 11 FREQUENCY STABILITY MEASUREMENT

### 11.1 Standard Applicable

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 20°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 20°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: DC Power Supply is rated 3.6V dc.*

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LTE NB IoT Band 2 1880 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	1880.000007	7	0.004
3.60	20	1880.000151	151	0.081
3.06	20	1879.999868	132	-0.070
(End point)	20	1880.000048	48	0.026
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	1879.99992	83	-0.044
3.60	40	1879.99986	138	-0.073
3.60	30	1880.00000	2	0.001
3.60	20	1879.99993	71	-0.038
3.60	10	1879.99982	181	-0.096
3.60	0	1879.99987	129	-0.068
3.60	-10	1879.99989	113	-0.060
3.60	-20	1880.00017	168	0.089
3.60	-30	1880.00000	0	0.000
LTE NB IoT Band 4 1733 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	1732.499989	11	-0.006
3.60	20	1732.500066	66	0.038
3.06	20	1732.499897	103	-0.059
(End point)	20	1732.500075	75	0.043
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	1732.50009	91	0.053
3.60	40	1732.50016	157	0.091
3.60	30	1732.49991	89	-0.051
3.60	20	1732.49999	9	-0.005
3.60	10	1732.49987	133	-0.077
3.60	0	1732.50003	29	0.017
3.60	-10	1732.49994	62	-0.036
3.60	-20	1732.50003	30	0.017
3.60	-30	1732.49980	199	-0.115

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LTE NB IoT Band 5 888 MHz				
Limit: +/- 2.5 ppm				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	888.0000079	8	0.009
3.60	20	887.9998032	197	0.009
3.06	20	888.0001476	148	0.009
(End point)	20	888.000137	137	0.009
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	888.00003	26	0.030
3.60	40	887.99992	81	-0.092
3.60	30	888.00006	60	0.067
3.60	20	888.00012	122	0.137
3.60	10	887.99991	88	-0.099
3.60	0	887.99988	122	-0.138
3.60	-10	888.00011	111	0.125
3.60	-20	887.99998	17	-0.019
3.60	-30	887.99995	52	-0.058
LTE NB IoT Band 12 708 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	707.499932	68	-0.096
3.60	20	707.5001007	101	0.142
3.06	20	707.4999253	75	-0.106
(End point)	20	707.5001247	125	0.176
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	707.50001	5	0.007
3.60	40	707.49996	44	-0.062
3.60	30	707.49996	40	-0.057
3.60	20	707.49988	118	-0.167
3.60	10	707.50012	118	0.167
3.60	0	707.50014	144	0.203
3.60	-10	707.50004	43	0.061
3.60	-20	707.50011	107	0.151
3.60	-30	707.50005	46	0.065

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LTE NB IoT Band 13 782 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
FREQUENCY ERROR vs. VOLTAGE				
4.14	20	781.9999407	59	-0.076
3.60	20	781.9998733	127	-0.162
3.06	20	781.9998829	117	-0.150
(End point)	20	782.0000741	74	0.095
FREQUENCY ERROR vs. Temp.				
3.60	50	781.99999	5	-0.007
3.60	40	782.00009	85	0.109
3.60	30	781.99990	97	-0.123
3.60	20	781.99989	109	-0.140
3.60	10	782.00005	54	0.069
3.60	0	781.99995	50	-0.064
3.60	-10	781.99985	155	-0.198
3.60	-20	782.00002	24	0.031
3.60	-30	781.99982	185	-0.236
LTE NB IoT Band 25 1883 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
FREQUENCY ERROR vs. VOLTAGE				
4.14	20	1882.50004	40	0.021
3.60	20	1882.500116	116	0.061
3.06	20	1882.50002	20	0.011
(End point)	20	1882.500039	39	0.021
FREQUENCY ERROR vs. Temp.				
3.60	50	1882.50015	145	0.077
3.60	40	1882.49993	74	-0.039
3.60	30	1882.50011	113	0.060
3.60	20	1882.50019	192	0.102
3.60	10	1882.50013	133	0.070
3.60	0	1882.50006	62	0.033
3.60	-10	1882.49982	180	-0.095
3.60	-20	1882.50018	184	0.098
3.60	-30	1882.50009	91	0.048

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LTE NB IoT Band 26_Part90 819 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	819.0000908	91	0.111
3.60	20	818.9998067	193	-0.236
3.06	20	819.0001658	166	0.202
(End point)	20	819.0001397	140	0.171
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	819.00015	149	0.182
3.60	40	818.99999	7	-0.008
3.60	30	819.00017	167	0.205
3.60	20	819.00003	27	0.033
3.60	10	819.00014	137	0.168
3.60	0	819.00020	196	0.239
3.60	-10	819.00014	145	0.176
3.60	-20	818.99994	63	-0.077
3.60	-30	819.00003	28	0.034
LTE NB IoT Band 26 837 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	836.4999308	69	-0.083
3.60	20	836.5001046	105	0.125
3.06	20	836.4998526	147	-0.176
(End point)	20	836.5000457	46	0.055
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	836.49982	178	-0.213
3.60	40	836.49986	142	-0.169
3.60	30	836.50005	54	0.065
3.60	20	836.50013	130	0.156
3.60	10	836.49988	123	-0.147
3.60	0	836.50016	165	0.197
3.60	-10	836.50014	140	0.168
3.60	-20	836.49996	35	-0.042
3.60	-30	836.49990	96	-0.115

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LTE NB IoT Band 66 1745 MHz				
Limit: within frequency block				
Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Frequency error (PPM)
<b>FREQUENCY ERROR vs. VOLTAGE</b>				
4.14	20	1745.000001	0	0.000
3.60	20	1744.999904	96	-0.055
3.06	20	1744.999845	155	-0.089
(End point)	20	1745.000154	154	0.088
<b>FREQUENCY ERROR vs. Temp.</b>				
3.60	50	1745.00005	48	0.027
3.60	40	1745.00009	89	0.051
3.60	30	1745.00004	38	0.022
3.60	20	1745.00005	49	0.028
3.60	10	1745.00015	153	0.087
3.60	0	1744.99996	41	-0.024
3.60	-10	1744.99992	78	-0.044
3.60	-20	1744.99986	136	-0.078
3.60	-30	1744.99989	109	-0.062

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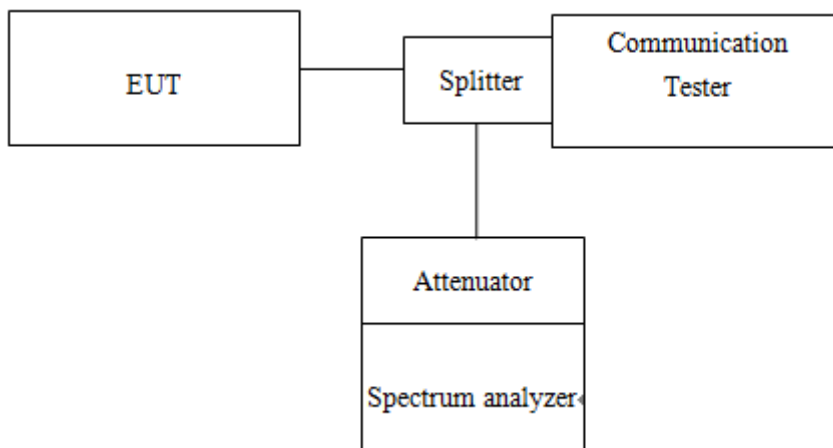
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## 12 PEAK TO AVERAGE RATIO

### 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

LTE NB-IoT Band 2					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
18601	1850.1	BPSK	15	1@0	9.95
		QPSK	15	12@0	8.73
18900	1880	BPSK	15	1@0	10.17
		QPSK	15	12@0	10.92
19199	1909.9	BPSK	15	1@0	7.22
		QPSK	15	12@0	9.5
LTE NB-IoT Band 4					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
19951	1710.1	BPSK	15	1@0	10.16
		QPSK	15	12@0	9.26
20175	1732.5	BPSK	15	1@0	7.24
		QPSK	15	12@0	8.26
20399	1754.9	BPSK	15	1@0	7.15
		QPSK	15	12@0	8.55
LTE NB-IoT Band 5					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
20401	824.1	BPSK	15	1@0	10.1
		QPSK	15	12@0	4.93
20525	836.5	BPSK	15	1@0	8.25
		QPSK	15	12@0	4.93
20649	848.9	BPSK	15	1@0	10.32
		QPSK	15	12@0	9.76
LTE NB-IoT Band 12					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
23011	699.1	BPSK	15	1@0	8.26
		QPSK	15	12@0	10.76
23095	707.5	BPSK	15	1@0	9.91
		QPSK	15	12@0	9.24
23719	715.9	BPSK	15	1@0	10.01
		QPSK	15	12@0	5.58

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LTE NB-IoT Band 13					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
23181	777.1	BPSK	15	1@0	9.74
		QPSK	15	12@0	4.91
23230	782	BPSK	15	1@0	10.07
		QPSK	15	12@0	7.57
23279	786.9	BPSK	15	1@0	10.13
		QPSK	15	12@0	6.59
LTE NB-IoT Band 25					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
26041	1850.1	BPSK	15	1@0	7.17
		QPSK	15	12@0	4.99
26365	1882.5	BPSK	15	1@0	10.2
		QPSK	15	12@0	9.58
26689	1914.9	BPSK	15	1@0	9.91
		QPSK	15	12@0	9.02
LTE NB-IoT Band 26_Part90					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
26692	814.2	BPSK	15	1@0	11.82
		QPSK	15	12@0	11.22
26740	819	BPSK	15	1@0	10.13
		QPSK	15	12@0	5.15
26788	823.8	BPSK	15	1@0	8.9
		QPSK	15	12@0	10.55
LTE NB-IoT Band 26					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
26791	824.1	BPSK	15	1@0	10.13
		QPSK	15	12@0	10.3
26915	836.5	BPSK	15	1@0	9.27
		QPSK	15	12@0	9.74
27039	848.9	BPSK	15	1@0	11.58
		QPSK	15	12@0	5.01

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LTE NB-IoT Band 66					
Channel	Freq. (MHz)	Modulation	Subcarrier Spacing (kHz)	N <sub>tones</sub>	Peak-to-Average Power Ratio(dB)
131973	1710.1	BPSK	15	1@0	9.2
		QPSK	15	12@0	11.09
132322	1745	BPSK	15	1@0	7.2
		QPSK	15	12@0	5
132671	1779.9	BPSK	15	1@0	10.19
		QPSK	15	12@0	11.61

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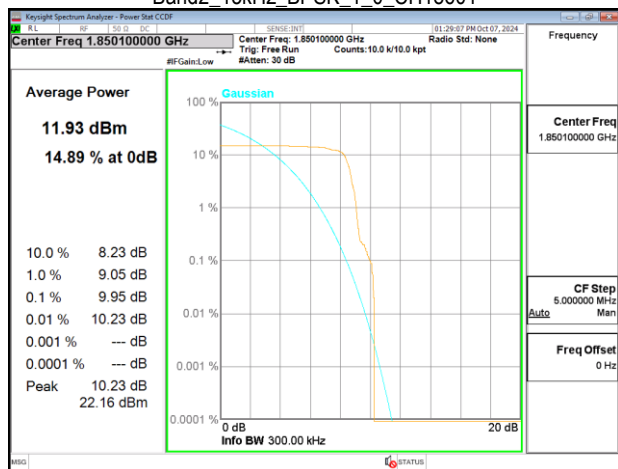
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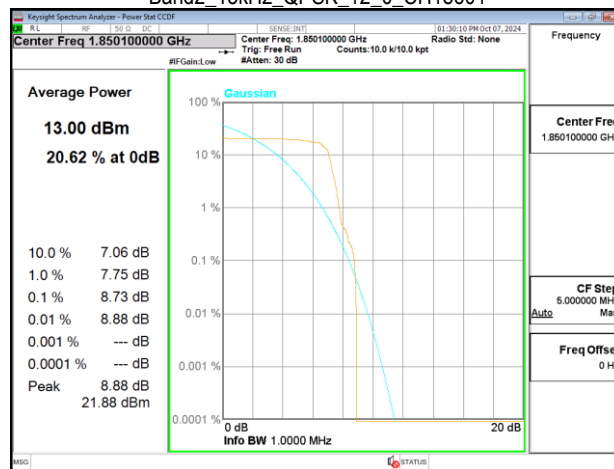
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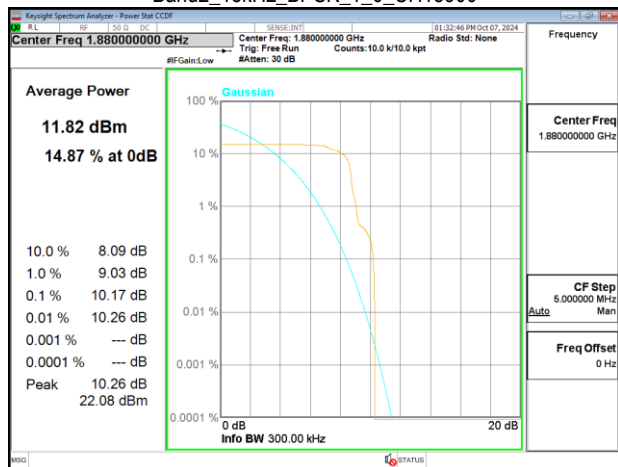
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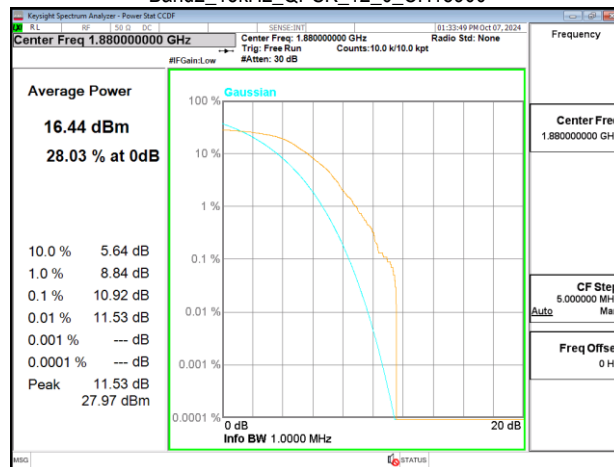
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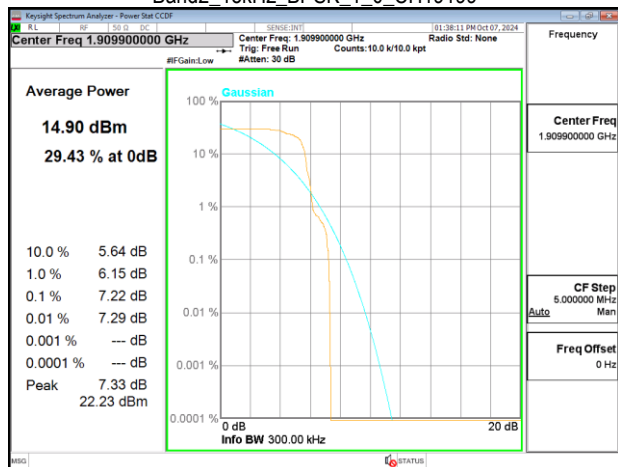
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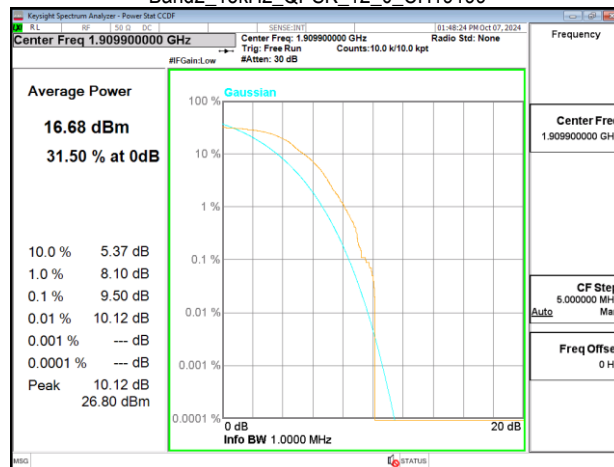
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Band2\_15kHz\_BPSK\_1\_0\_CH19199



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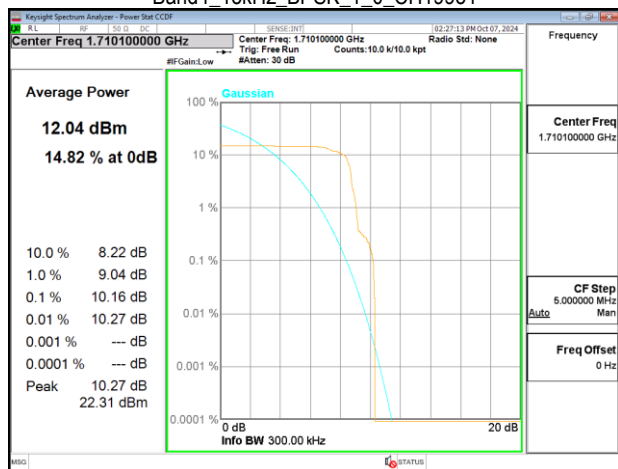


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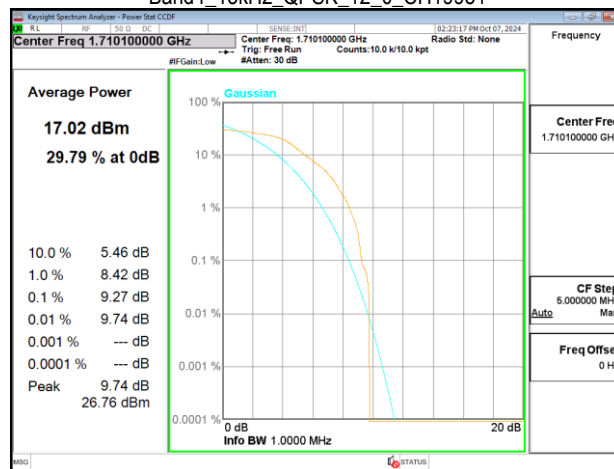
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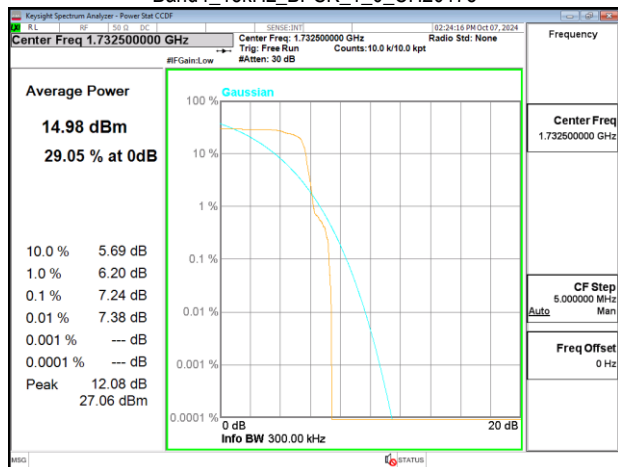
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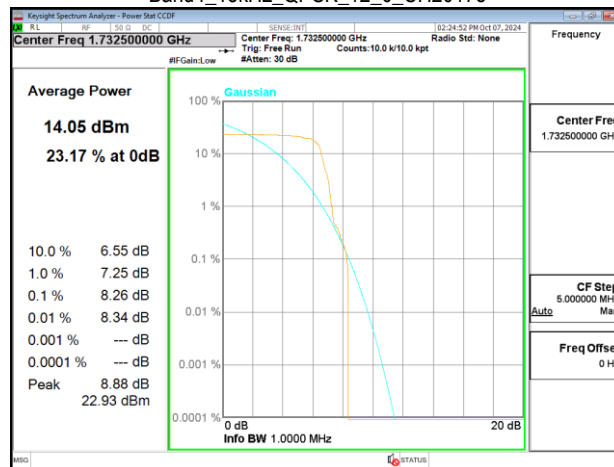
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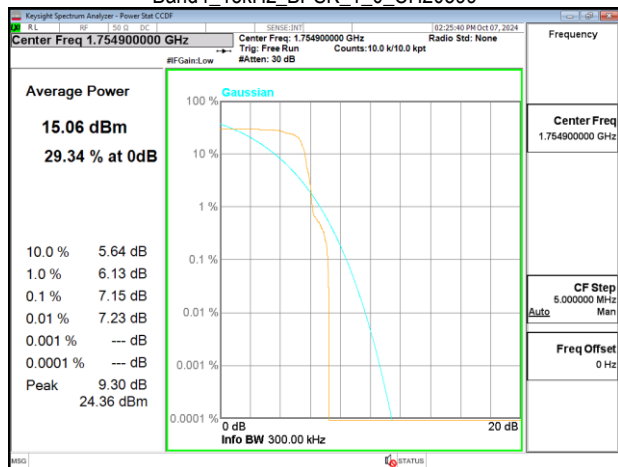
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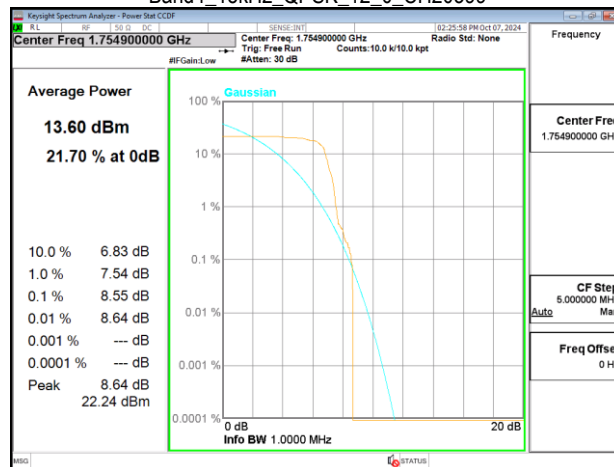
Band4\_15kHz\_QPSK\_12\_0\_CH20175



Band4\_15kHz\_BPSK\_1\_0\_CH20399



Band4\_15kHz\_QPSK\_12\_0\_CH20399

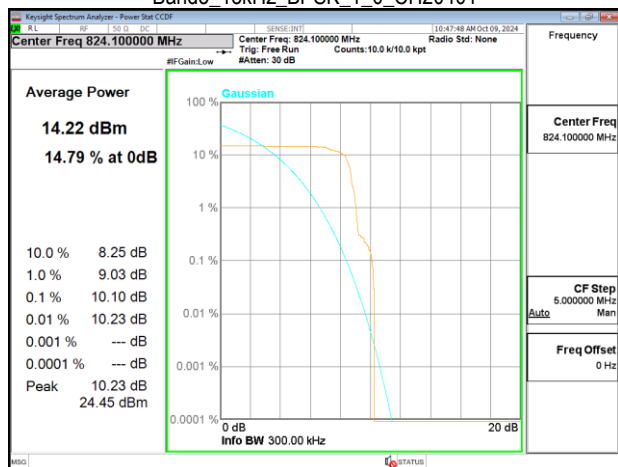


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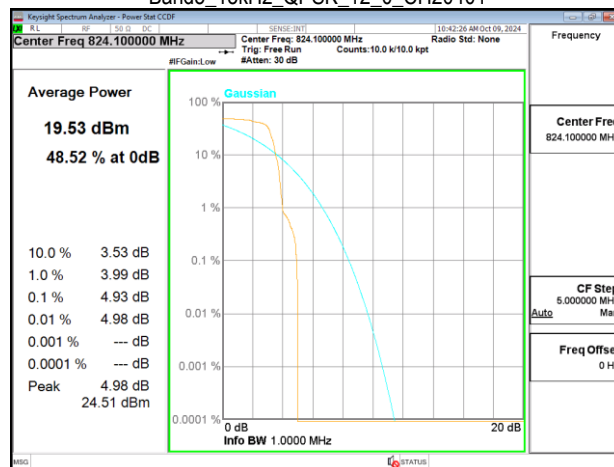
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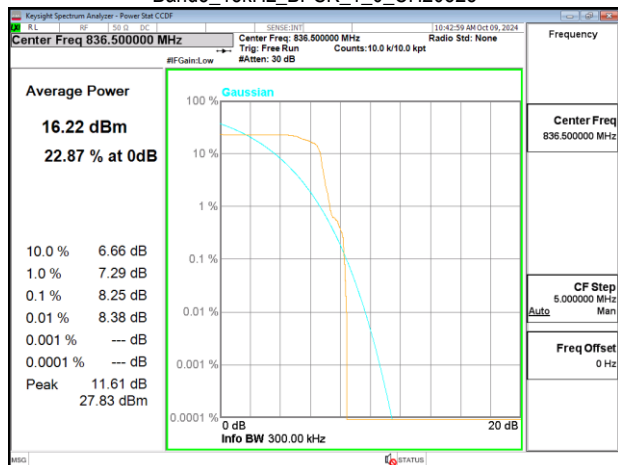
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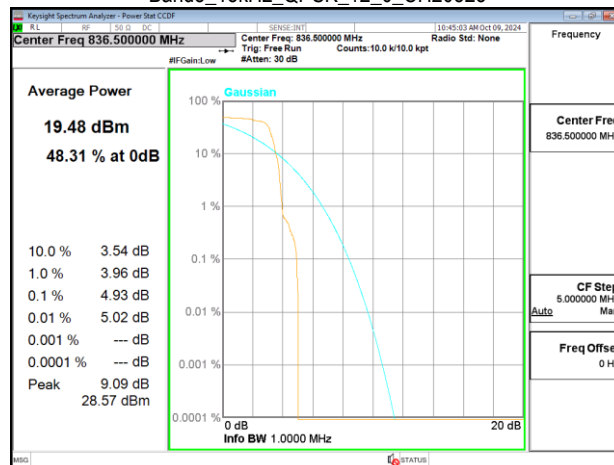
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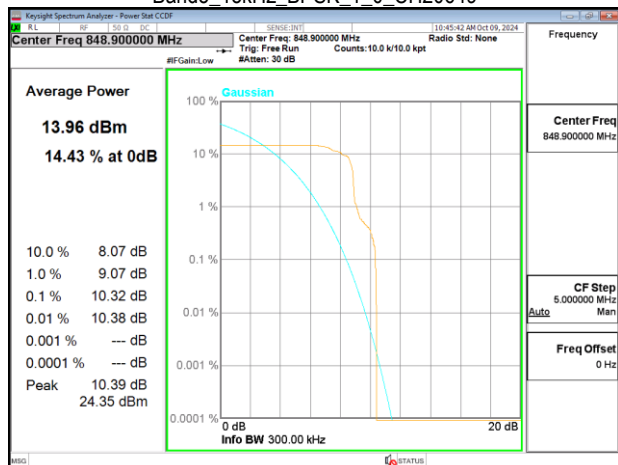
Band5\_15kHz\_BPSK\_1\_0\_CH20525



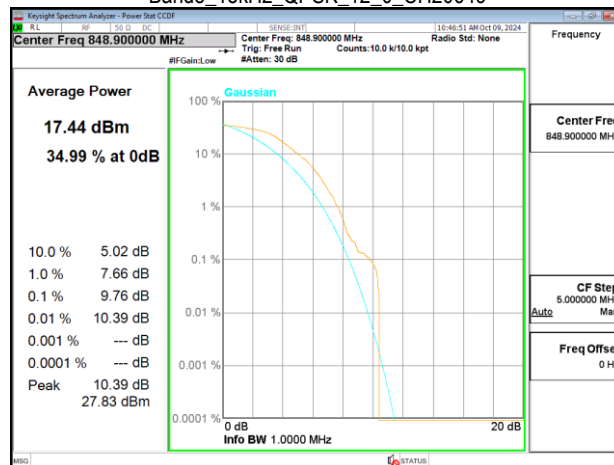
Band5\_15kHz\_QPSK\_12\_0\_CH20525



Band5\_15kHz\_BPSK\_1\_0\_CH20649



Band5\_15kHz\_QPSK\_12\_0\_CH20649

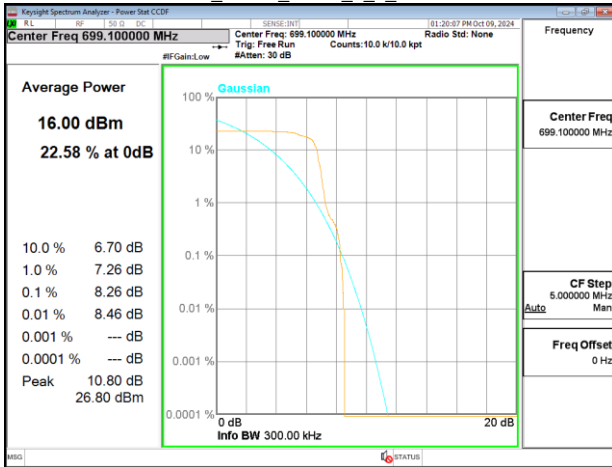


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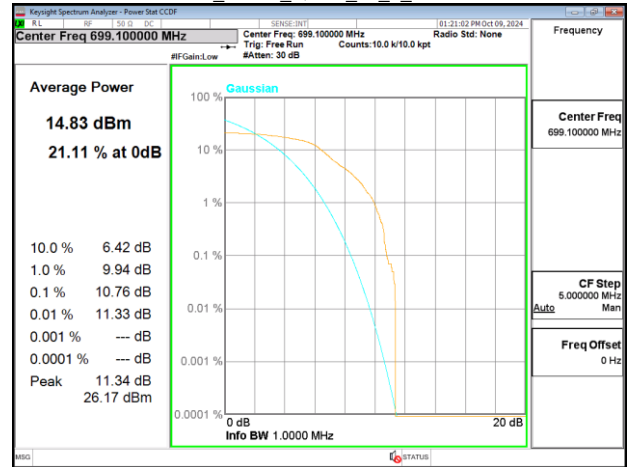
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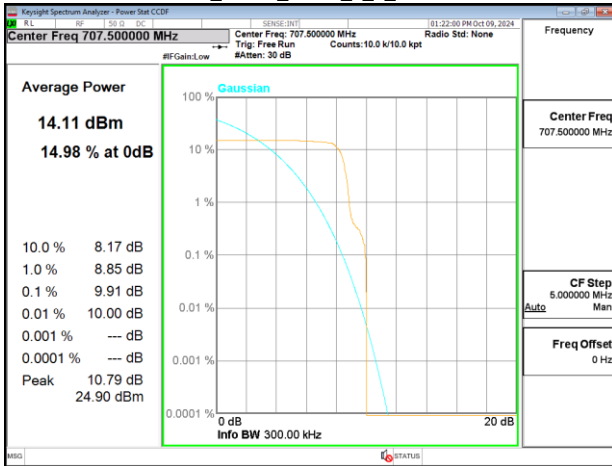
Band12\_15kHz\_BPSK\_1\_0\_CH23011



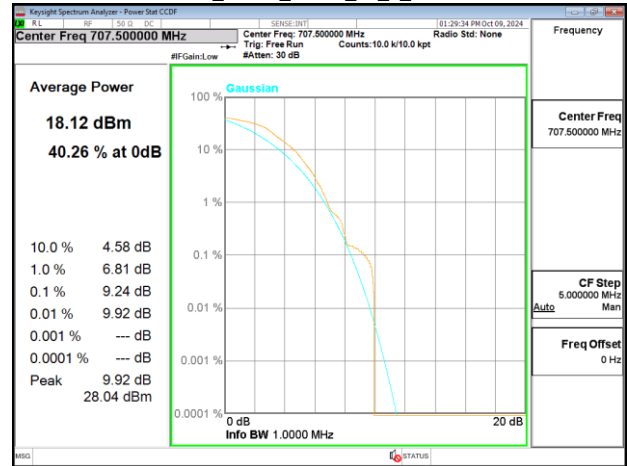
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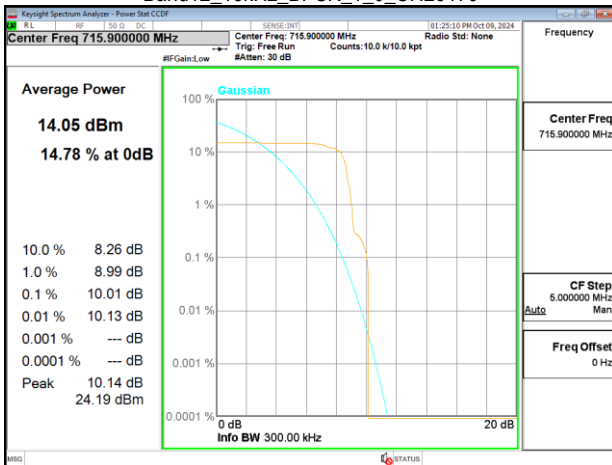
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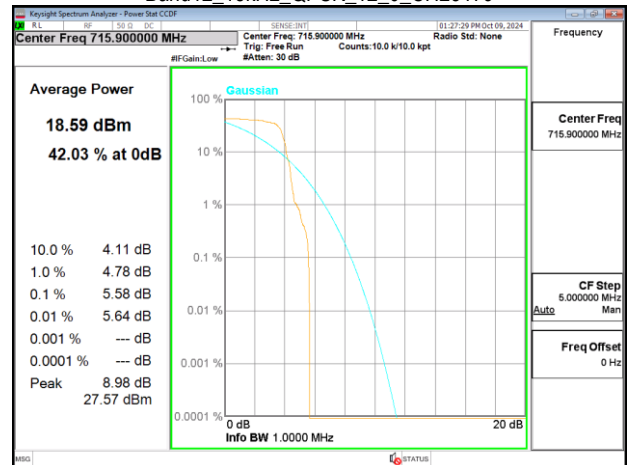
Band12\_15kHz\_QPSK\_12\_0\_CH23095



Band12\_15kHz\_BPSK\_1\_0\_CH23179



Band12\_15kHz\_QPSK\_12\_0\_CH23179

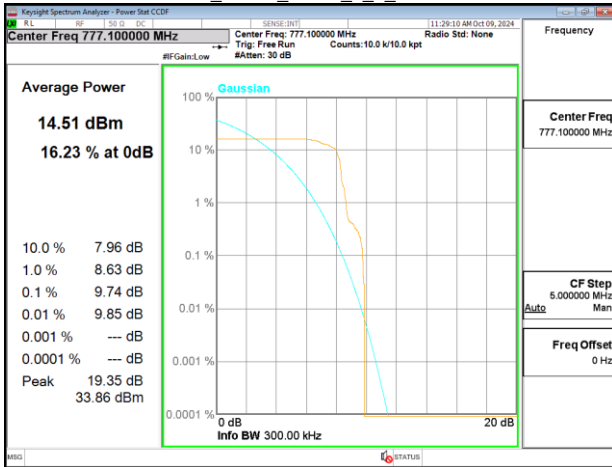


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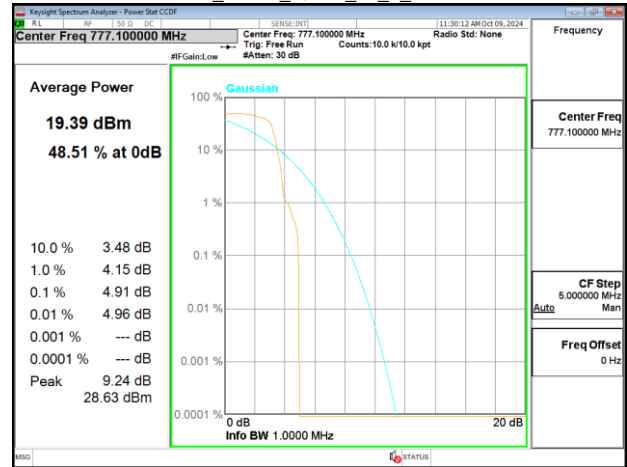
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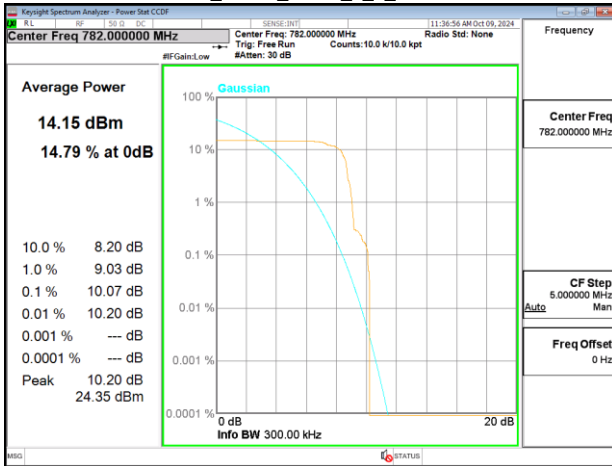
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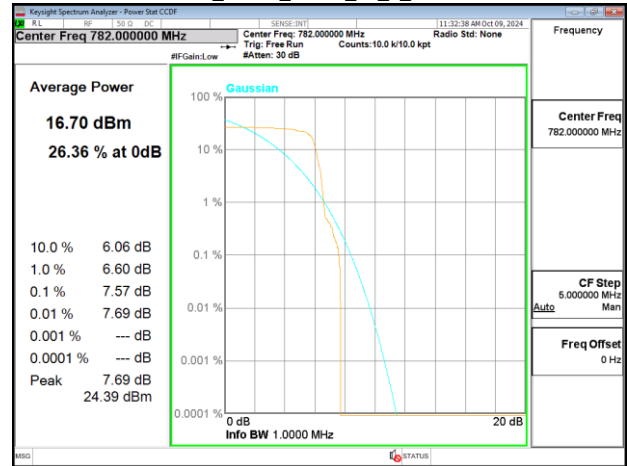
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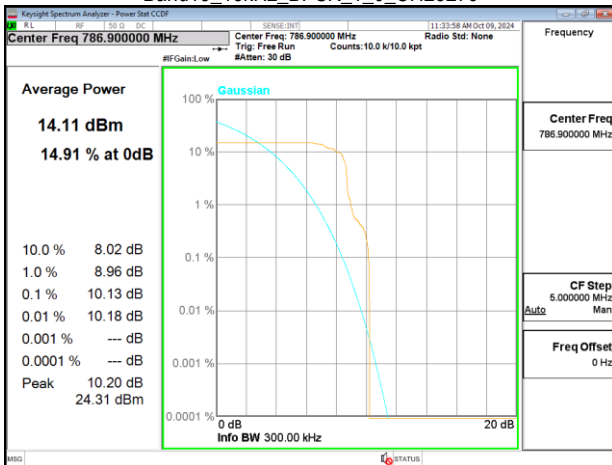
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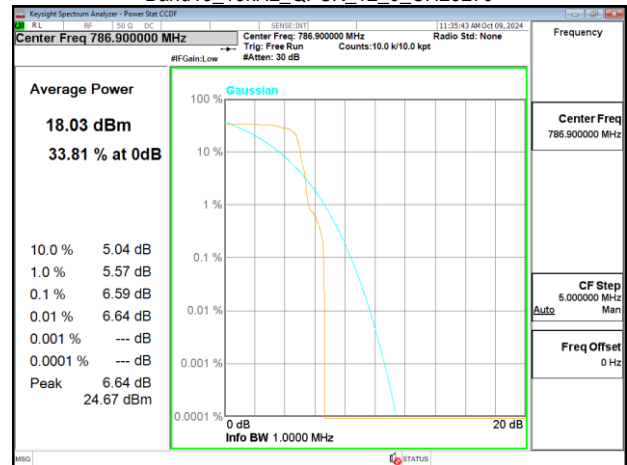
Band13\_15kHz\_QPSK\_12\_0\_CH23230



Band13\_15kHz\_BPSK\_1\_0\_CH23279



Band13\_15kHz\_QPSK\_12\_0\_CH23279

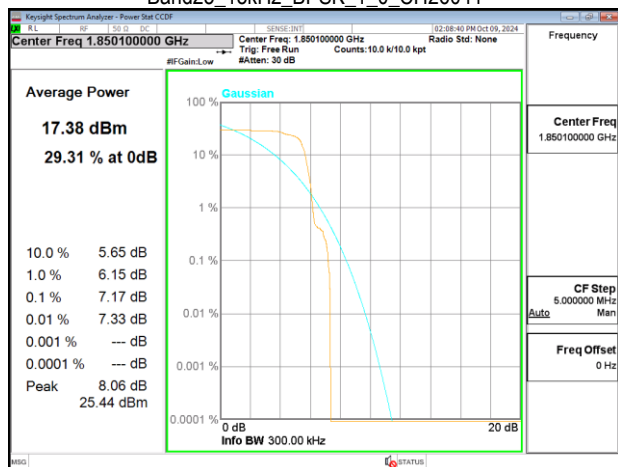


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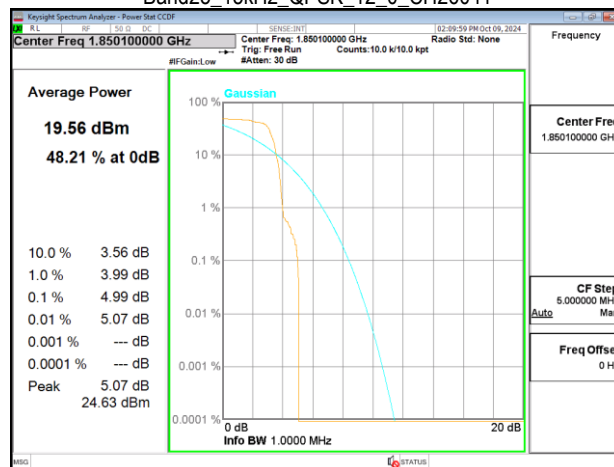
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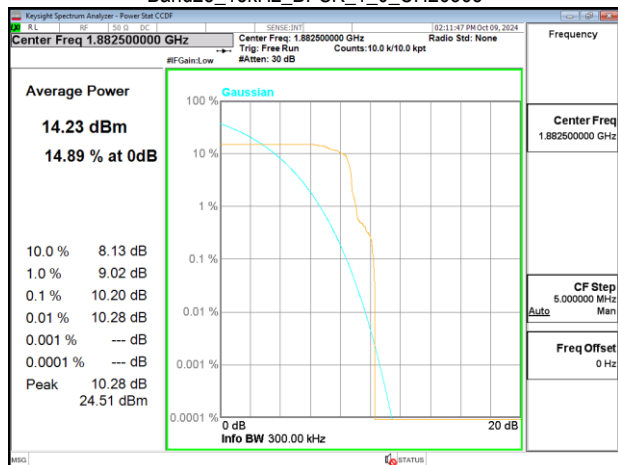
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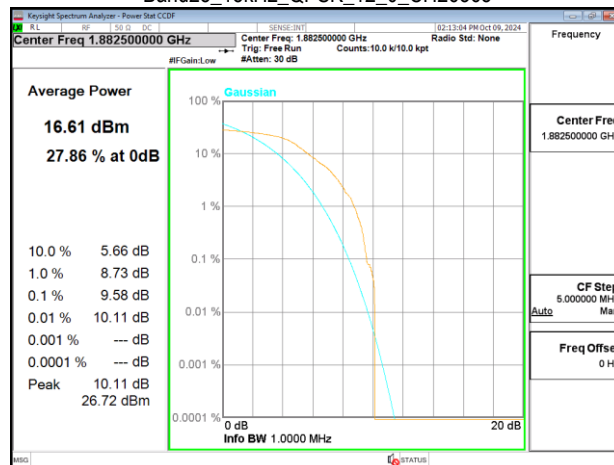
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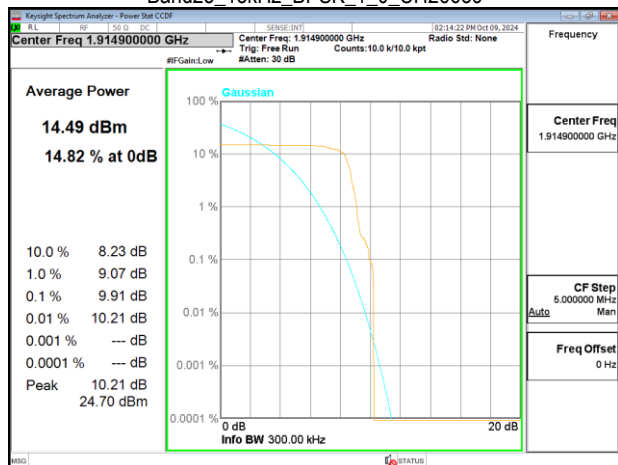
Band25\_15kHz\_BPSK\_1\_0\_CH26365



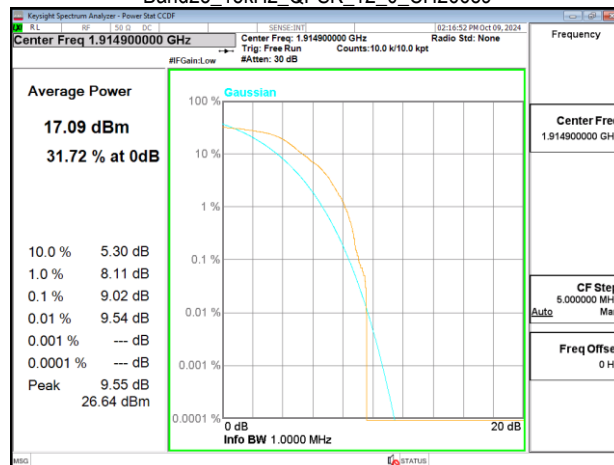
Band25\_15kHz\_QPSK\_12\_0\_CH26365



Band25\_15kHz\_BPSK\_1\_0\_CH26689



Band25\_15kHz\_QPSK\_12\_0\_CH26689

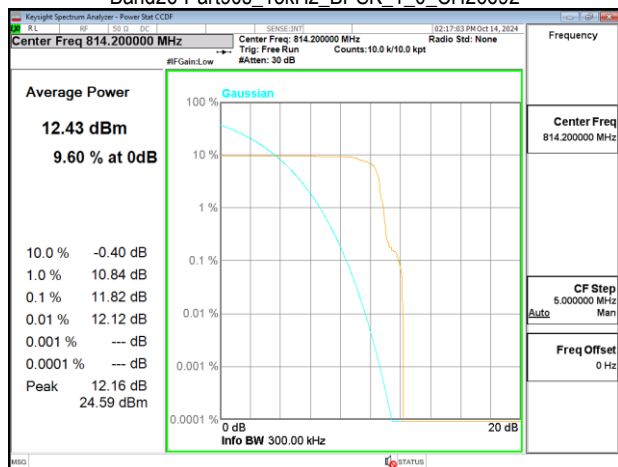


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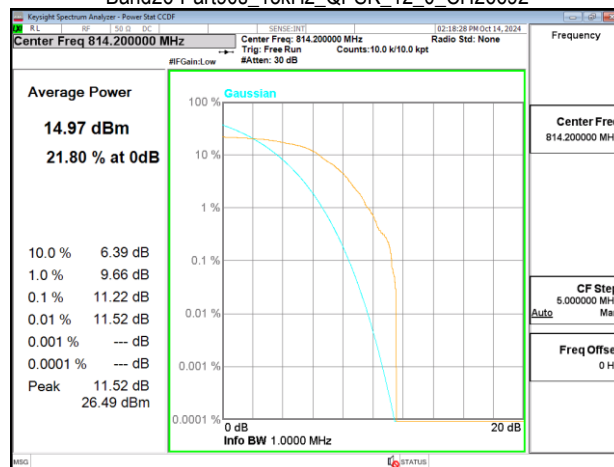
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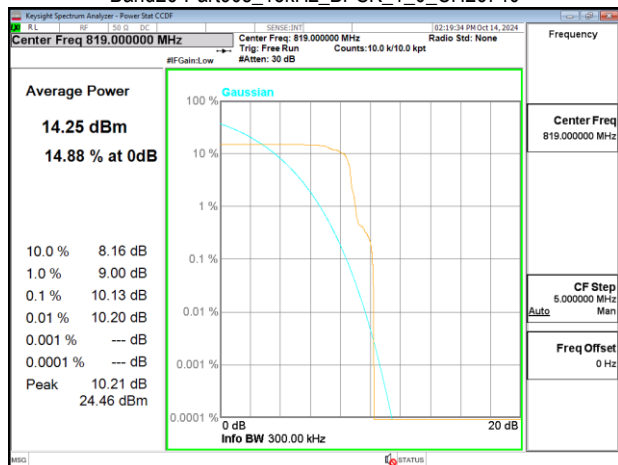
Band26-Part90s\_15kHz\_BPSK\_1\_0\_CH26692



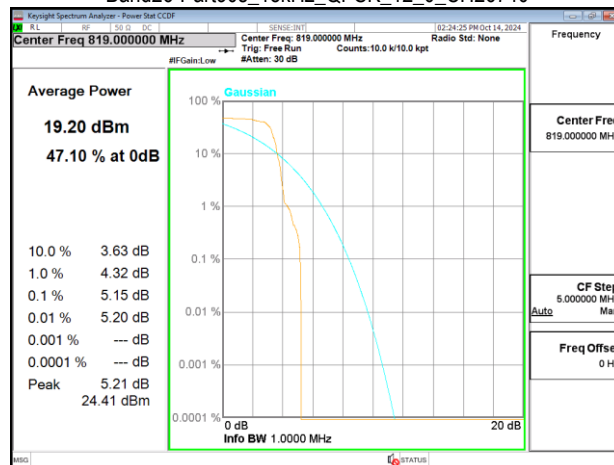
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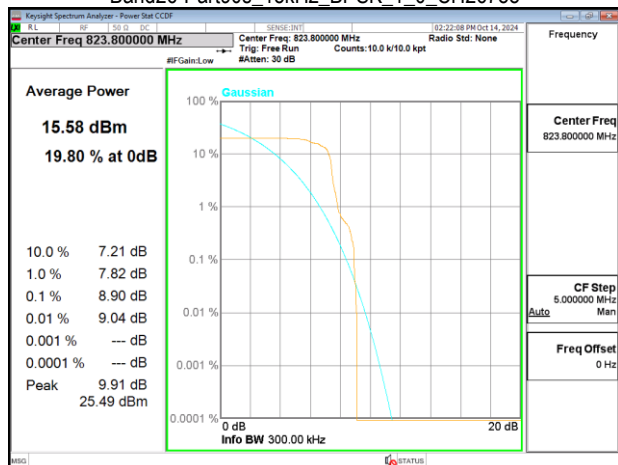
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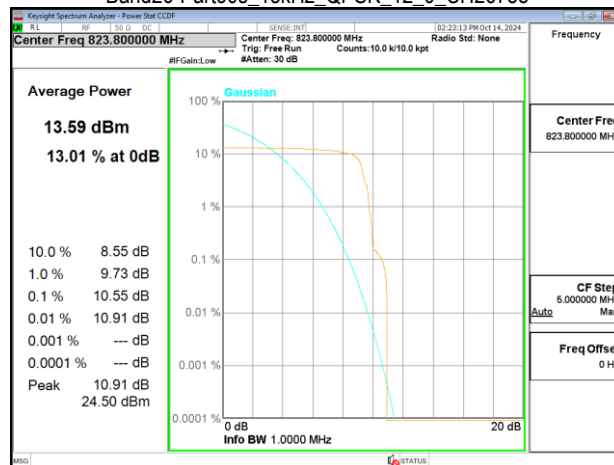
Band26-Part90s\_15kHz\_QPSK\_12\_0\_CH26740



Band26-Part90s\_15kHz\_BPSK\_1\_0\_CH26788



Band26-Part90s\_15kHz\_QPSK\_12\_0\_CH26788



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