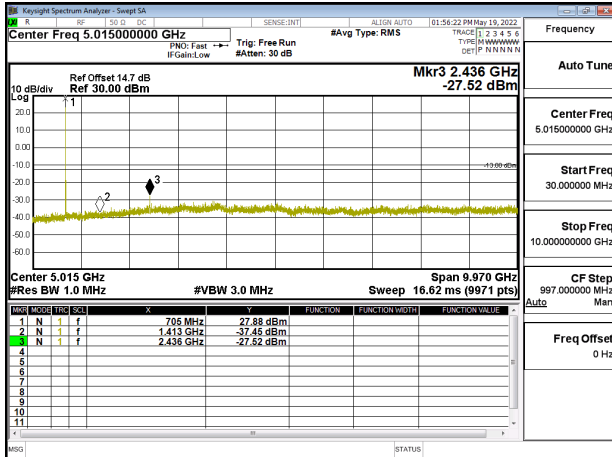
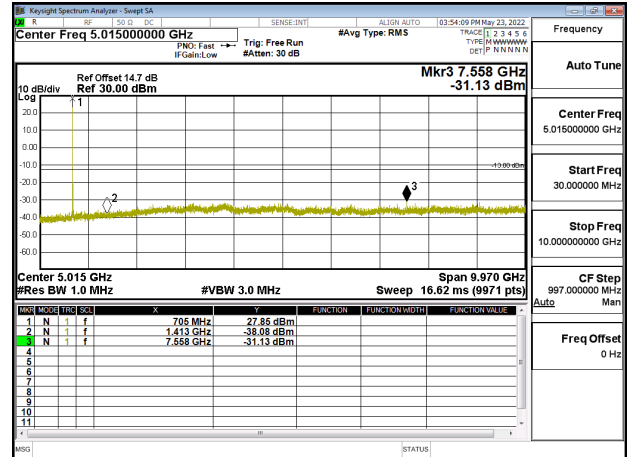


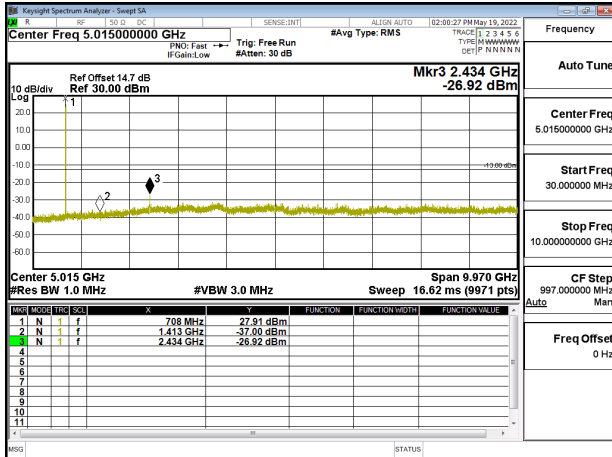
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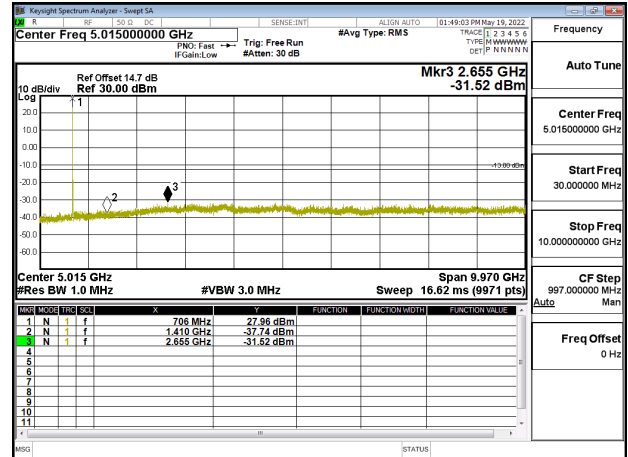
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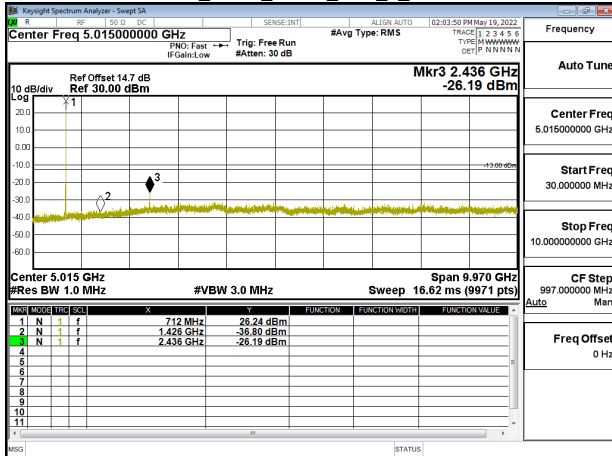
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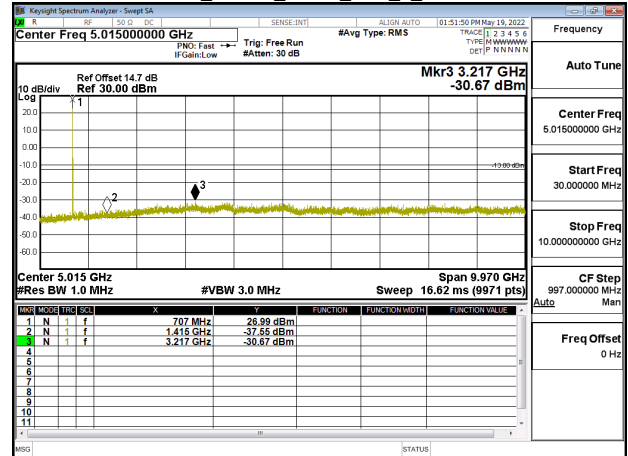
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Band17_5MHz_QPSK_RB1_0_CH23825



Band17_10MHz_QPSK_RB1_0_CH23800

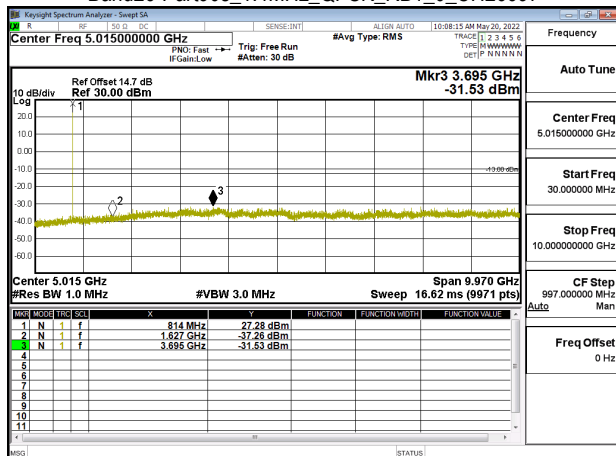


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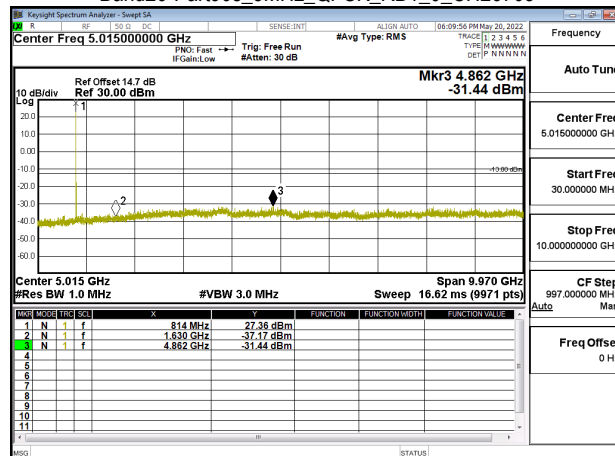
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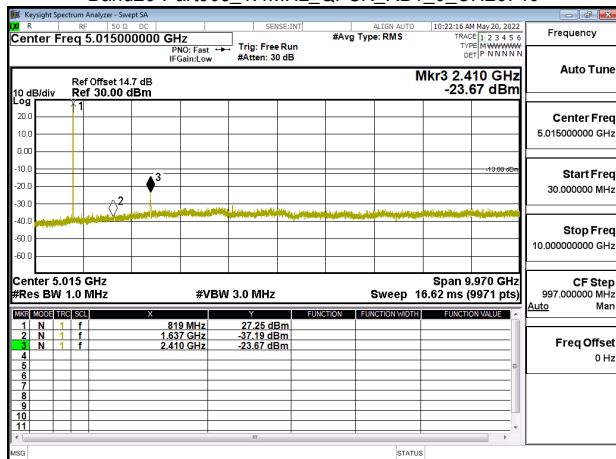
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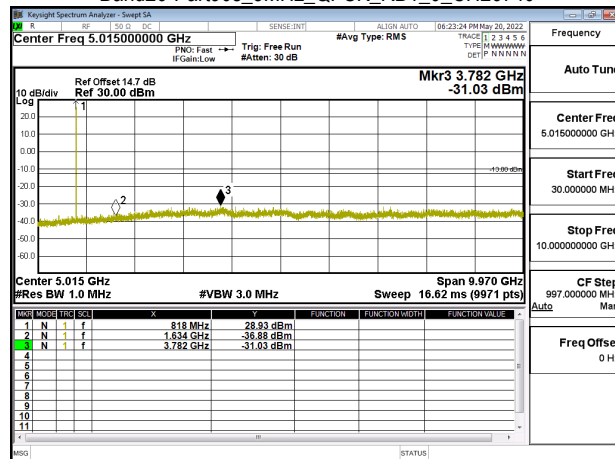
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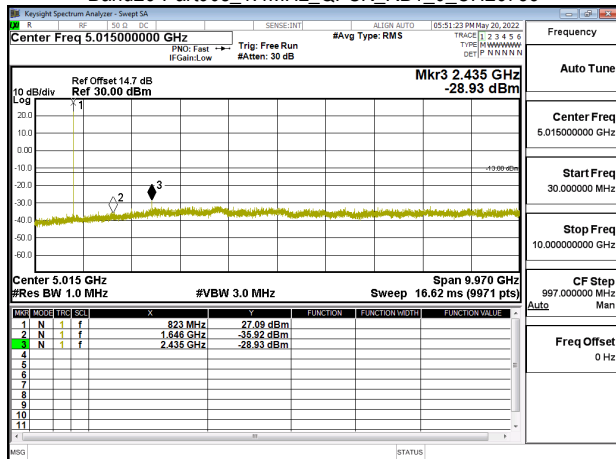
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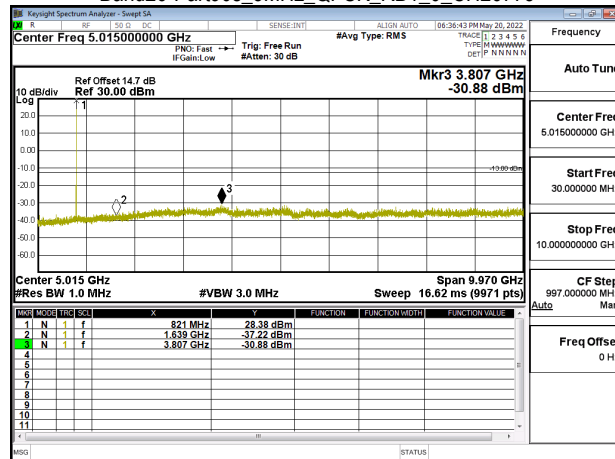
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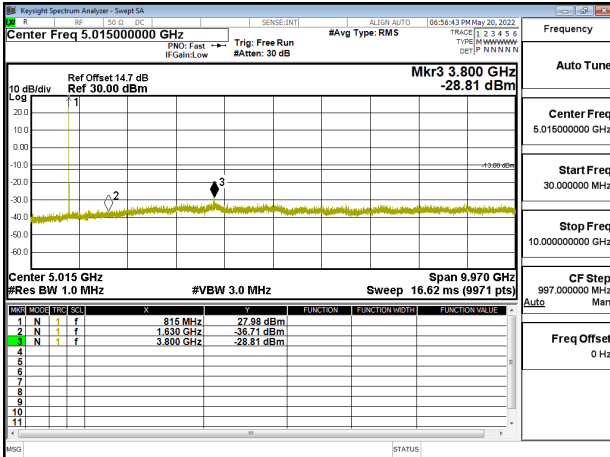


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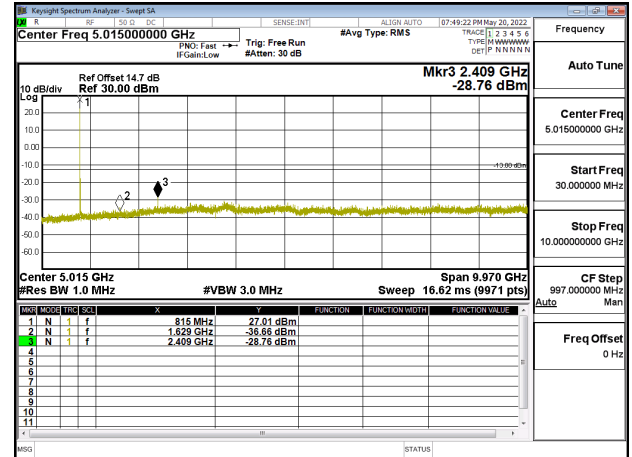
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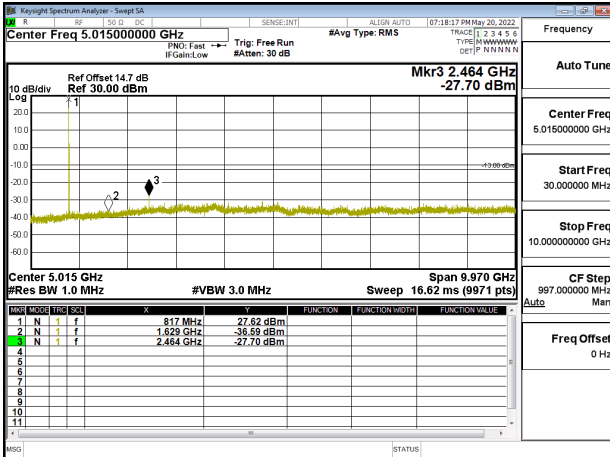
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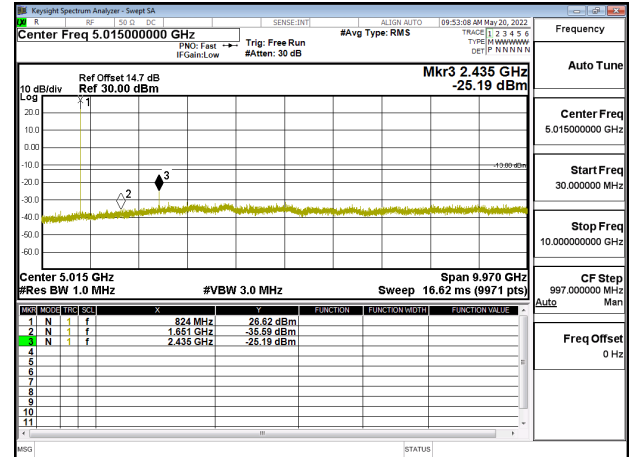
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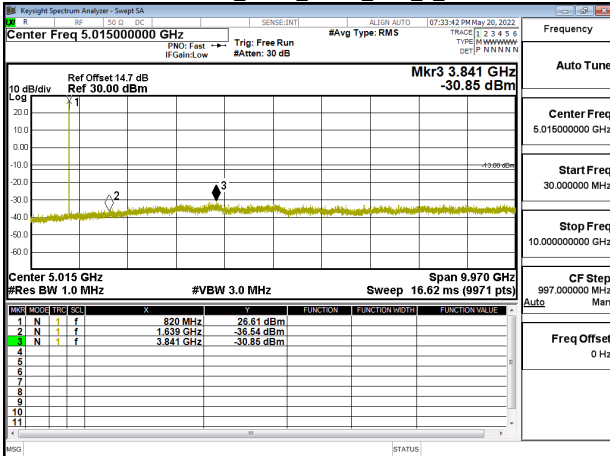
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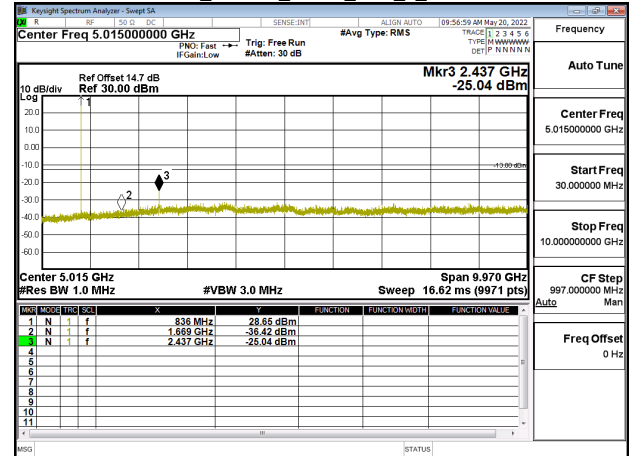
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Band26_1.4MHz_QPSK_RB1_0_CH26915

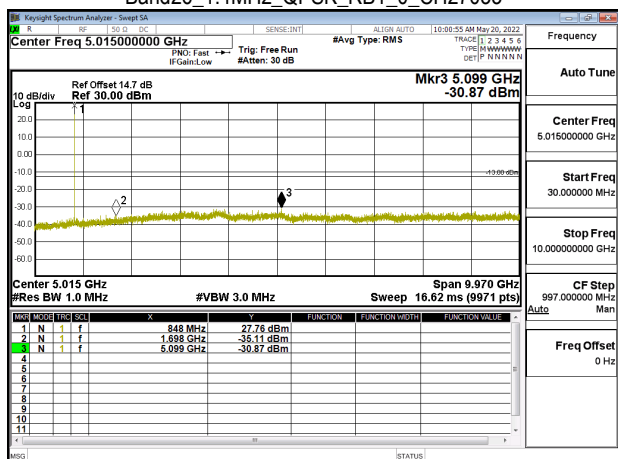


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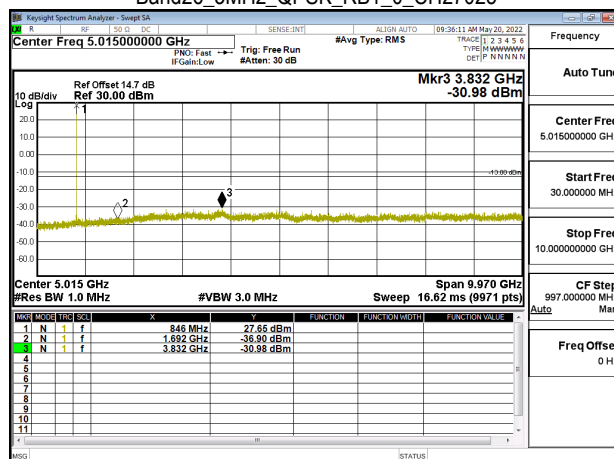
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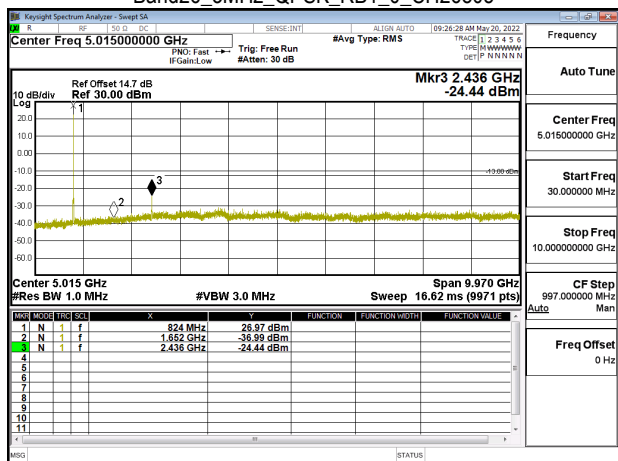
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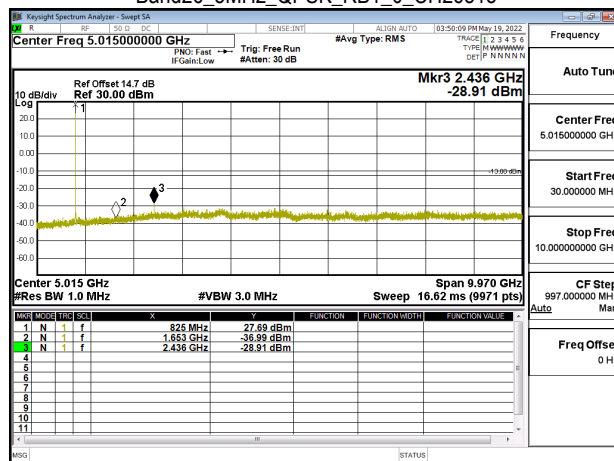
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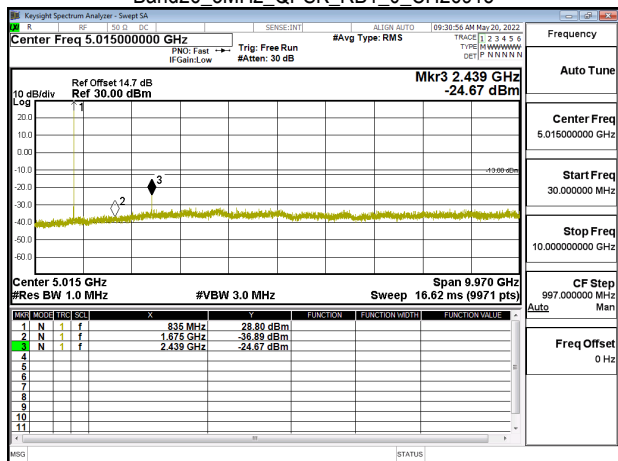
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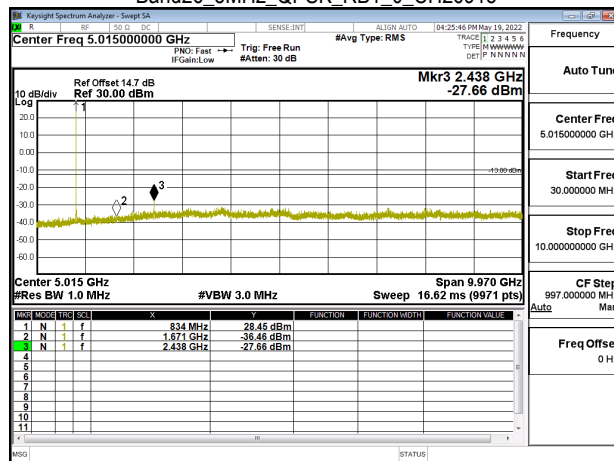
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Band26_3MHz_QPSK_RB1_0_CH26915



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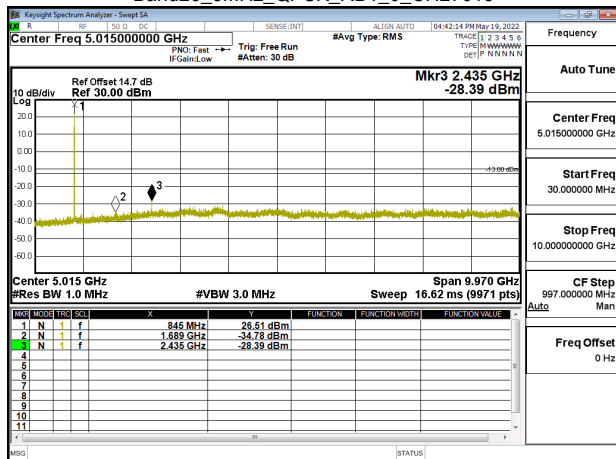


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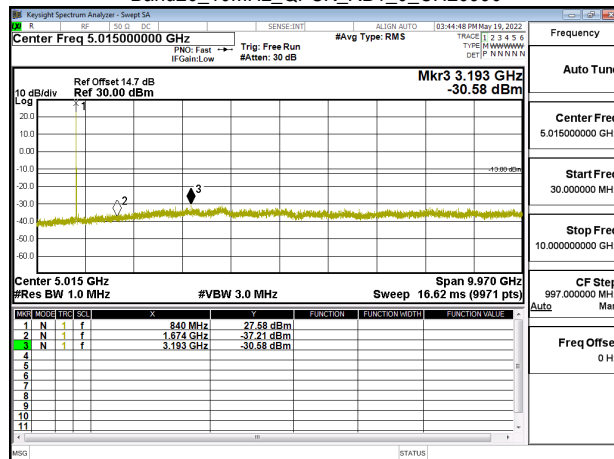
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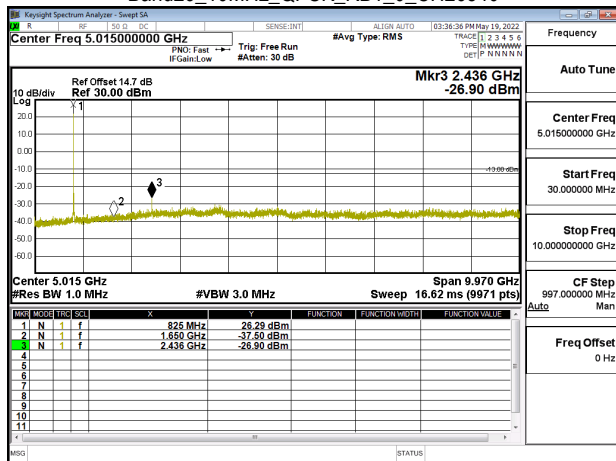
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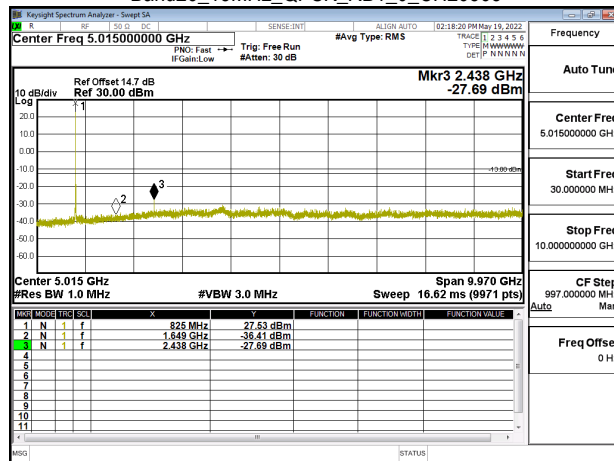
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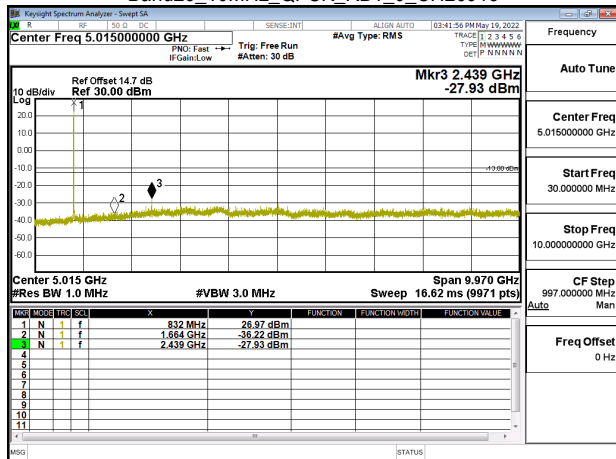
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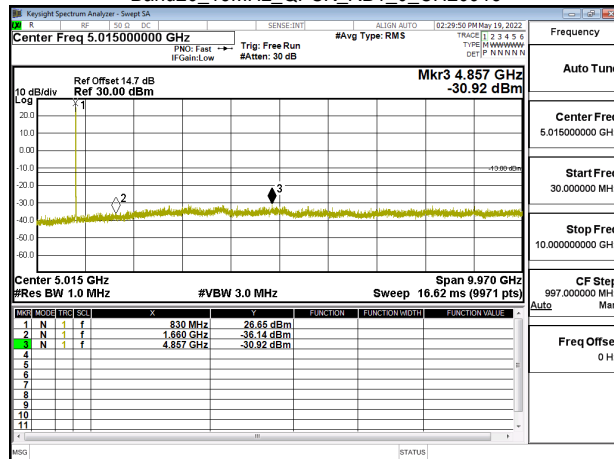
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Band26_10MHz_QPSK_RB1_0_CH26915



Band26_15MHz_QPSK_RB1_0_CH26915

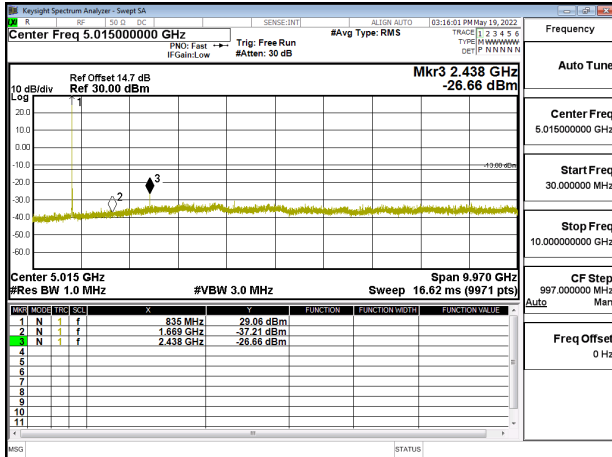


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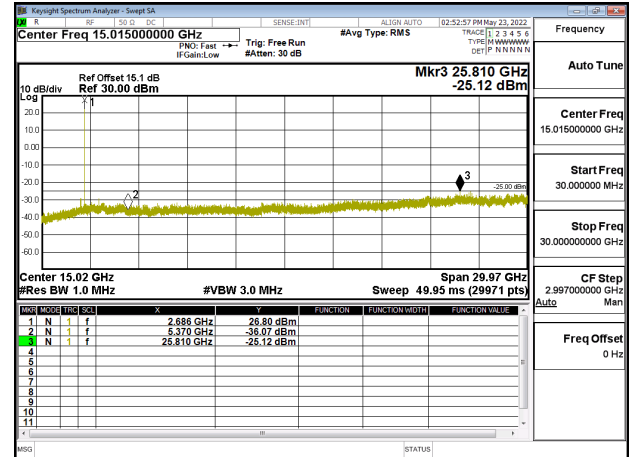
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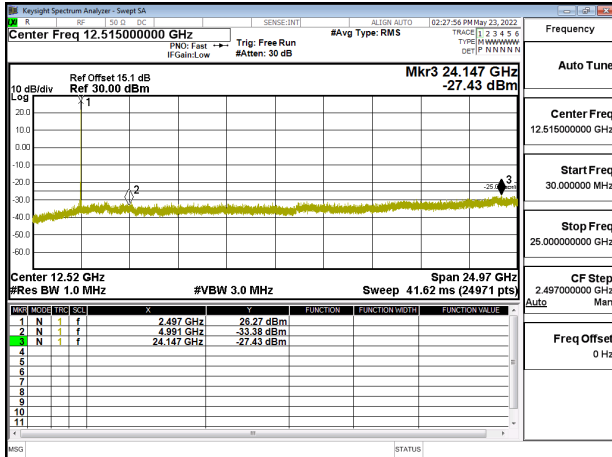
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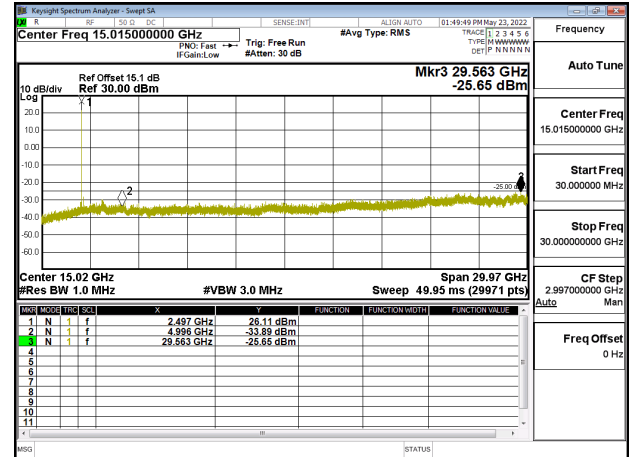
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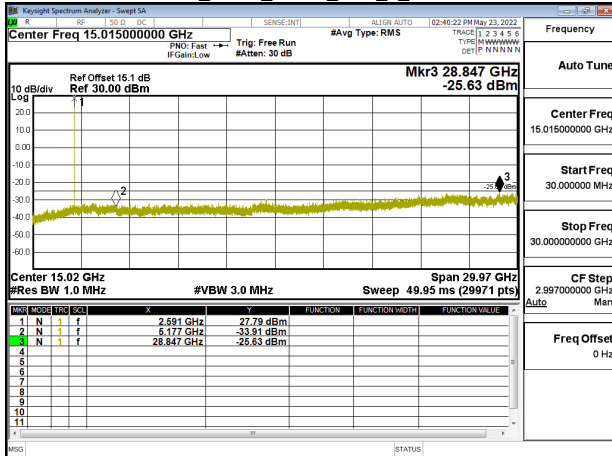
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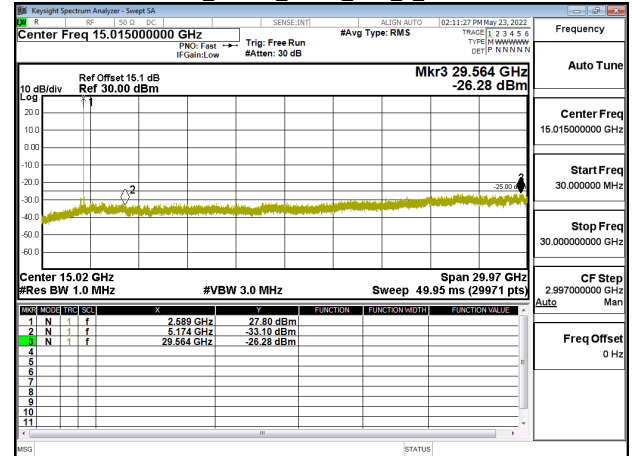
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Band41_5MHz_QPSK_RB1_0_CH40620



Band41_10MHz_QPSK_RB1_0_CH40620

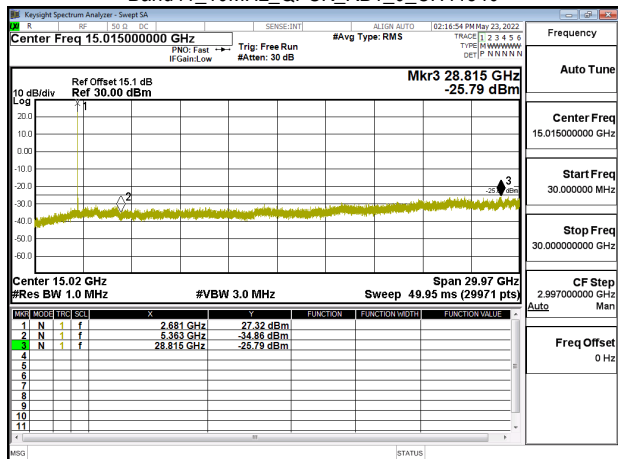


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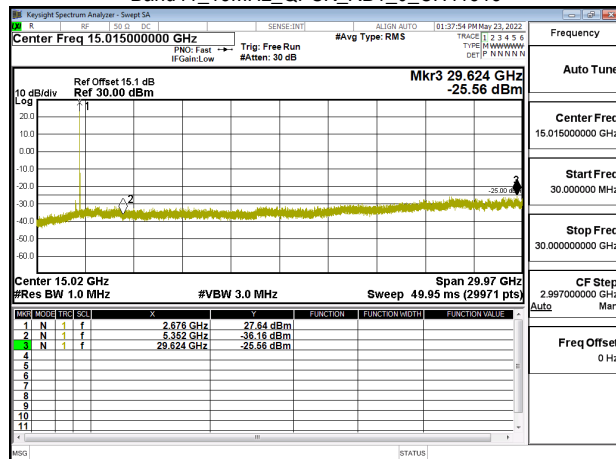
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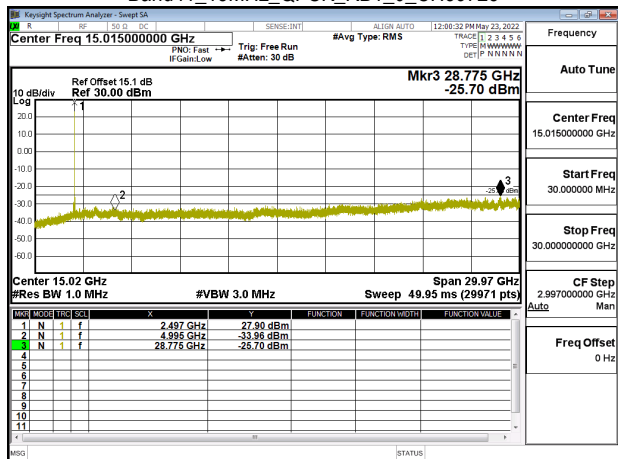
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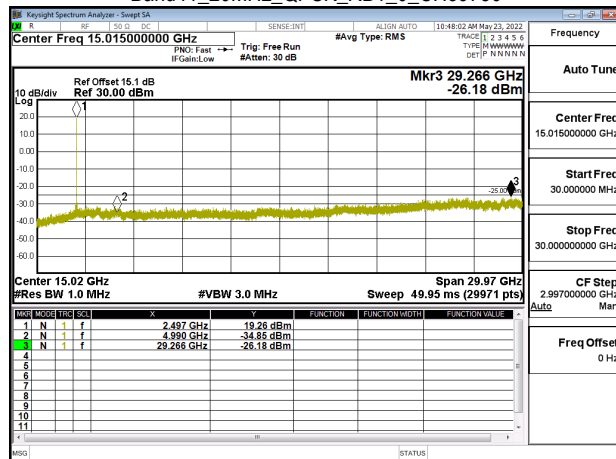
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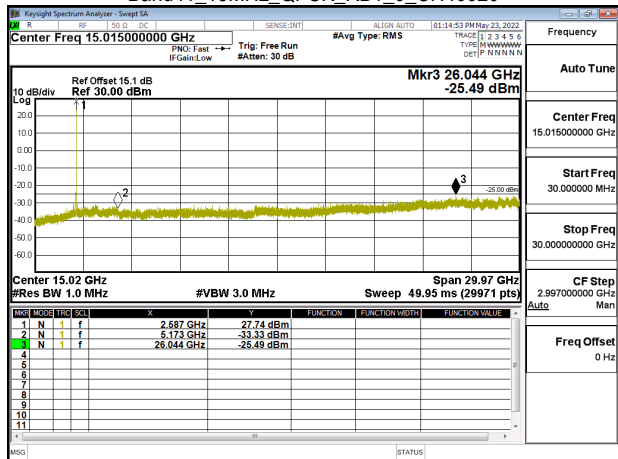
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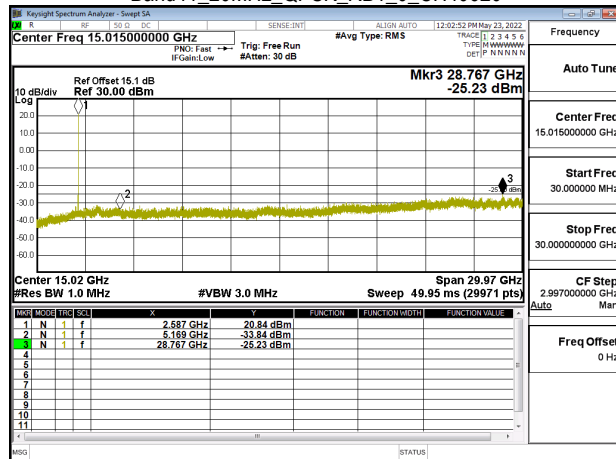
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Band41_15MHz_QPSK_RB1_0_CH40620



Band41_20MHz_QPSK_RB1_0_CH40620

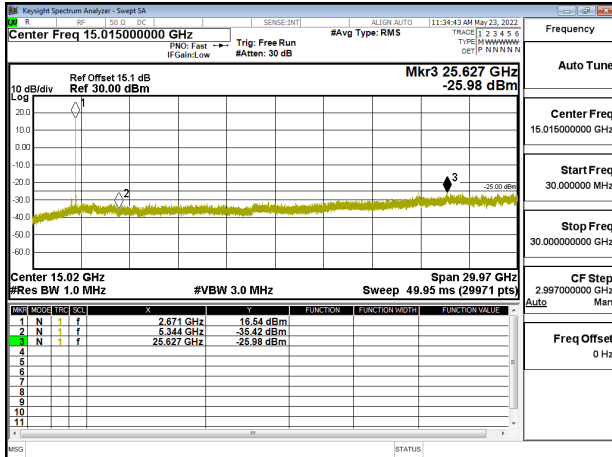


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Band41_20MHz_QPSK_RB1_0_CH41490



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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)

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 §27.53(m) (4) (6)

For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and

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one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

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 $116 \text{ Log}_{10}(f/6.1)$ decibels or $50 + 10 \text{ Log}_{10}(P)$ 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 $43 + 10 \text{ Log}_{10}(P)$ 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.

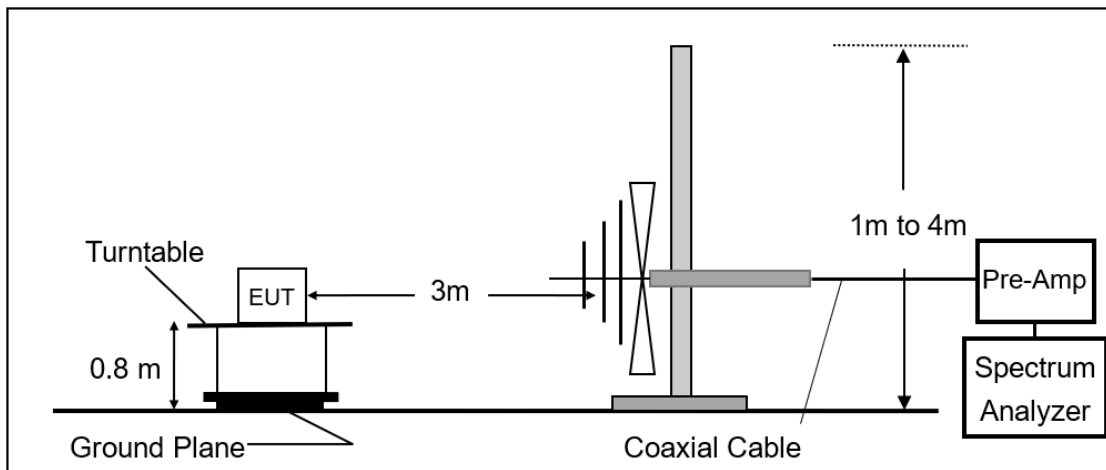
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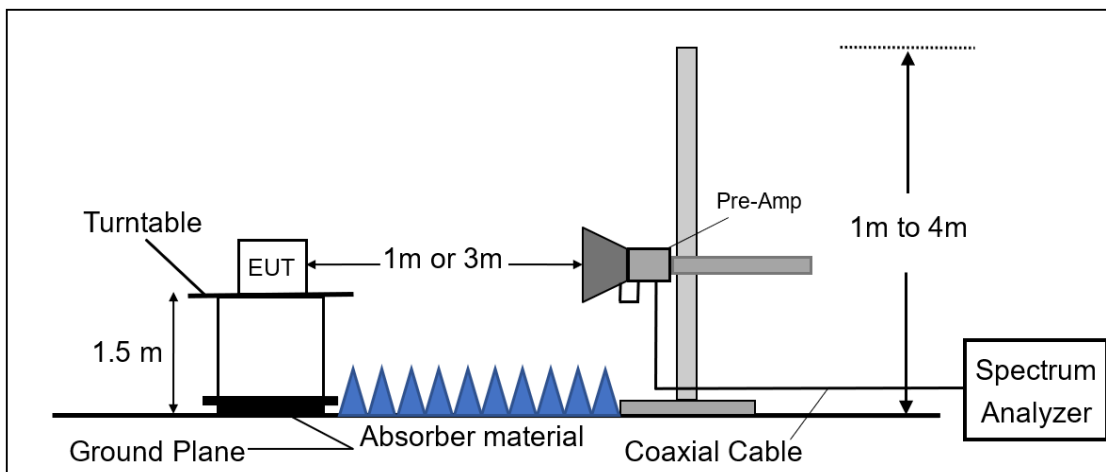
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10.2 EUT Setup

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



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



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10.3 Measurement Procedure:

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

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

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

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

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

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

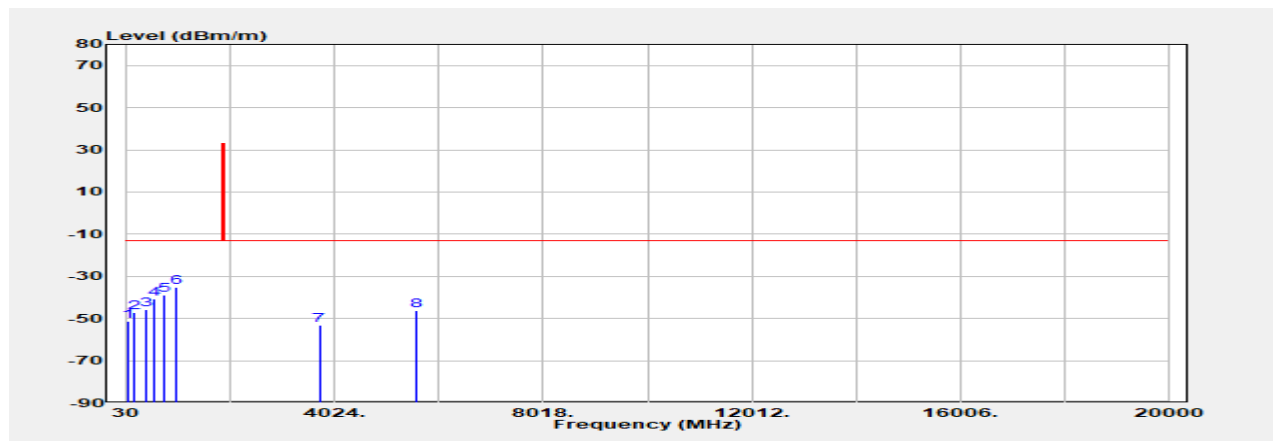
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10.4 Measurement Result:

Report Number :TERF2204000399E2
Operation Mode :LTE B2
Test Mode :Tx CH LOW
EUT Pol :E1 Plane
Test Frequency :1860 MHz

Test Site :SAC G
Test Date :2022-06-10
Temp./Humi. :21.7/70
Antenna Pol. :Vertical
Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
396.660	-45.86	-47.17	4.29	-2.98	-13.00	-32.86
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
3720.000	-53.24	-55.89	12.16	-9.51	-13.00	-40.24
5580.000	-46.15	-47.78	13.30	-11.67	-13.00	-33.15

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B2

Test Date :2022-06-10

Test Mode :Tx CH LOW

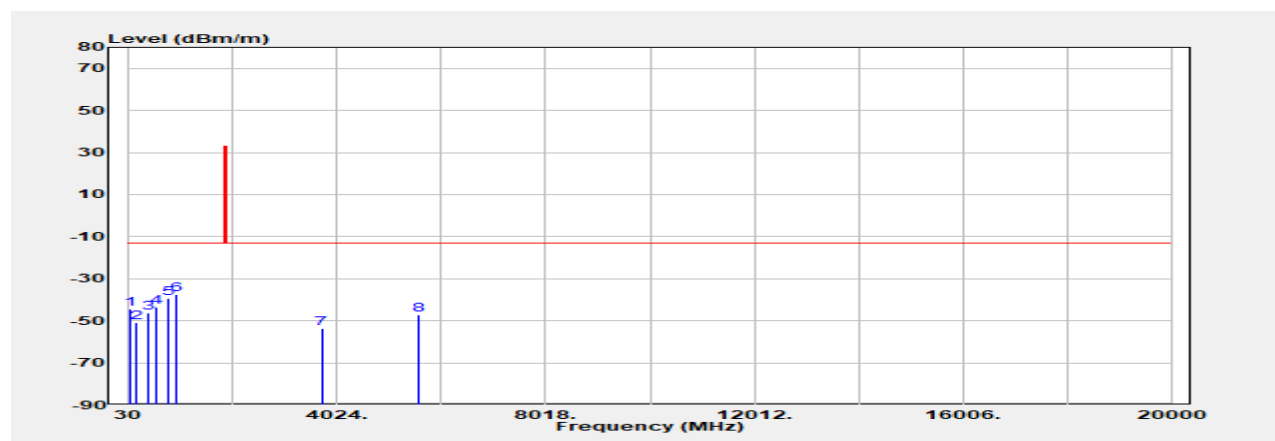
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1860 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.820	-44.38	-28.28	-13.69	-2.41	-13.00	-31.38
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
414.120	-46.20	-47.58	4.34	-2.96	-13.00	-33.20
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
793.390	-39.30	-39.63	3.82	-3.49	-13.00	-26.30
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
3720.000	-53.53	-56.18	12.16	-9.51	-13.00	-40.53
5580.000	-47.15	-48.78	13.30	-11.67	-13.00	-34.15

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B2

Test Date :2022-06-10

Test Mode :Tx CH MID

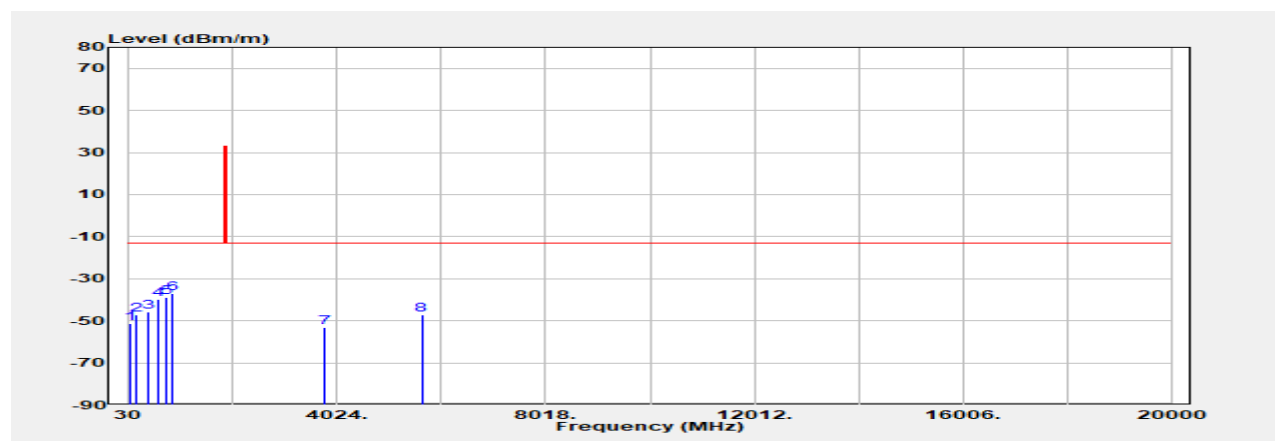
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1880 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
396.660	-45.86	-47.17	4.29	-2.98	-13.00	-32.86
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
3760.000	-53.09	-55.76	12.10	-9.43	-13.00	-40.09
5640.000	-47.26	-49.04	13.46	-11.68	-13.00	-34.26

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B2

Test Date :2022-06-10

Test Mode :Tx CH MID

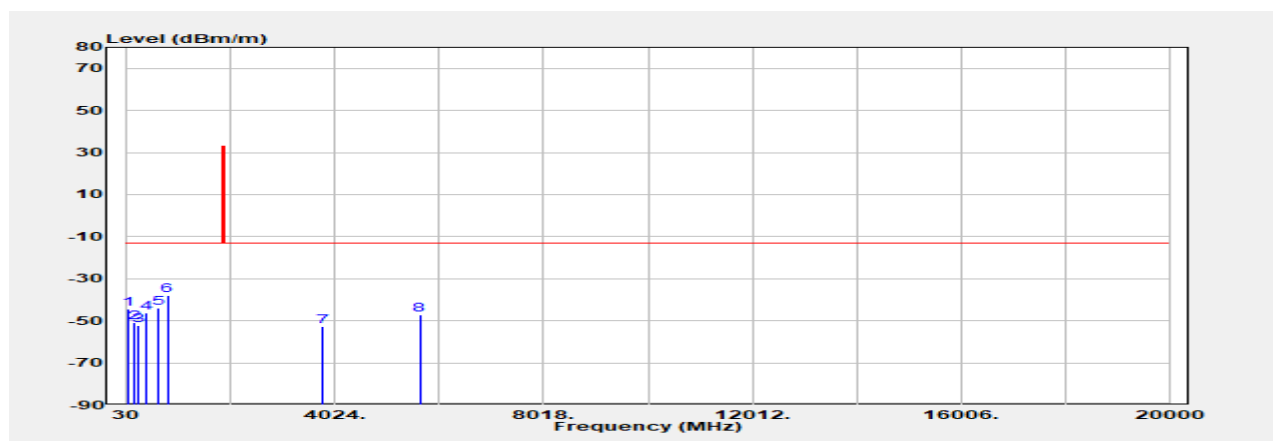
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1880 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.820	-44.38	-28.28	-13.69	-2.41	-13.00	-31.38
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
244.370	-52.26	-53.54	4.34	-3.06	-13.00	-39.26
414.120	-46.20	-47.58	4.34	-2.96	-13.00	-33.20
634.310	-43.83	-43.68	3.42	-3.57	-13.00	-30.83
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
3760.000	-52.83	-55.50	12.10	-9.43	-13.00	-39.83
5640.000	-47.03	-48.81	13.46	-11.68	-13.00	-34.03

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B2

Test Date :2022-06-10

Test Mode :Tx CH HIGH

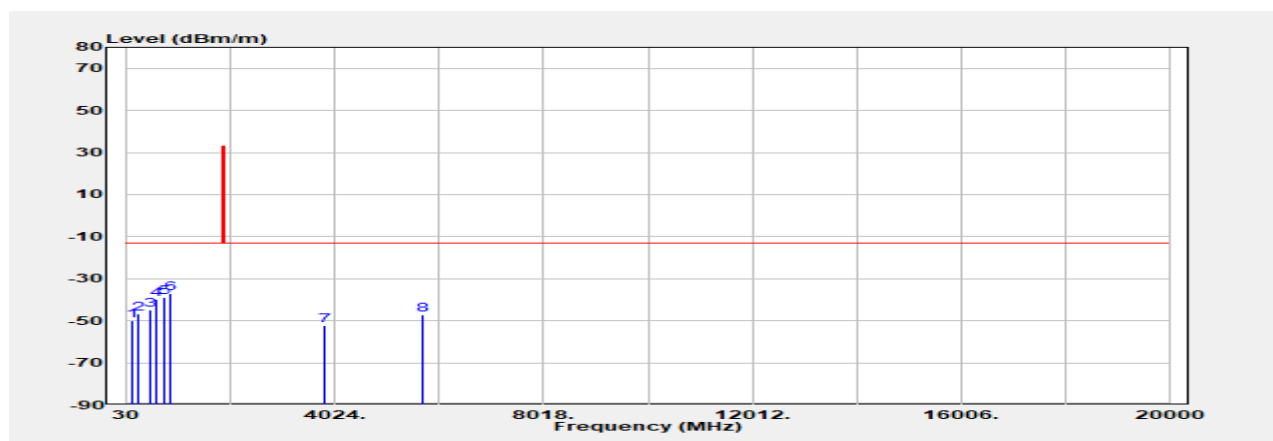
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1900 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
141.550	-49.77	-45.07	-1.93	-2.77	-13.00	-36.77
251.160	-46.75	-47.95	4.31	-3.11	-13.00	-33.75
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
3800.000	-52.30	-54.83	12.10	-9.57	-13.00	-39.30
5700.000	-47.27	-48.97	13.40	-11.70	-13.00	-34.27

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B2

Test Date :2022-06-10

Test Mode :Tx CH HIGH

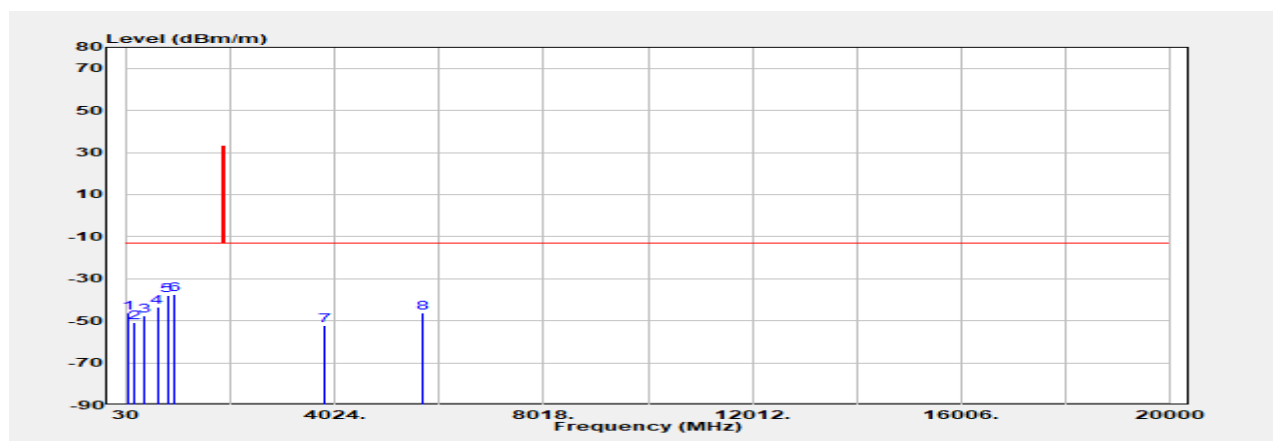
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1900 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
376.290	-47.44	-48.85	4.35	-2.94	-13.00	-34.44
610.060	-43.53	-44.20	3.47	-2.80	-13.00	-30.53
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
3800.000	-52.10	-54.63	12.10	-9.57	-13.00	-39.10
5700.000	-46.04	-47.74	13.40	-11.70	-13.00	-33.04

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH LOW

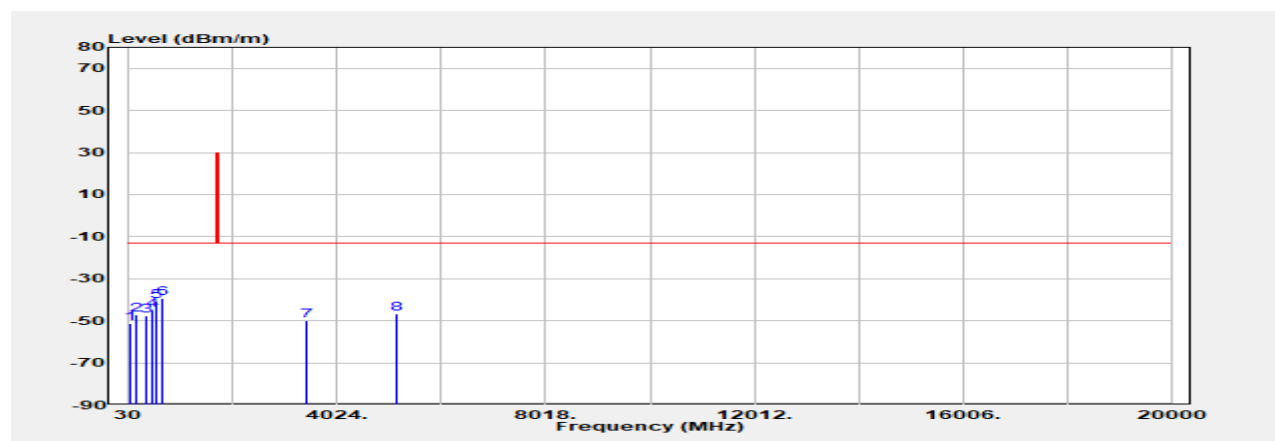
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1720 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
356.890	-47.39	-48.69	4.47	-3.17	-13.00	-34.39
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
679.900	-39.39	-39.78	3.81	-3.42	-13.00	-26.39
3440.000	-50.11	-53.46	12.42	-9.07	-13.00	-37.11
5160.000	-46.90	-48.41	12.58	-11.07	-13.00	-33.90

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH LOW

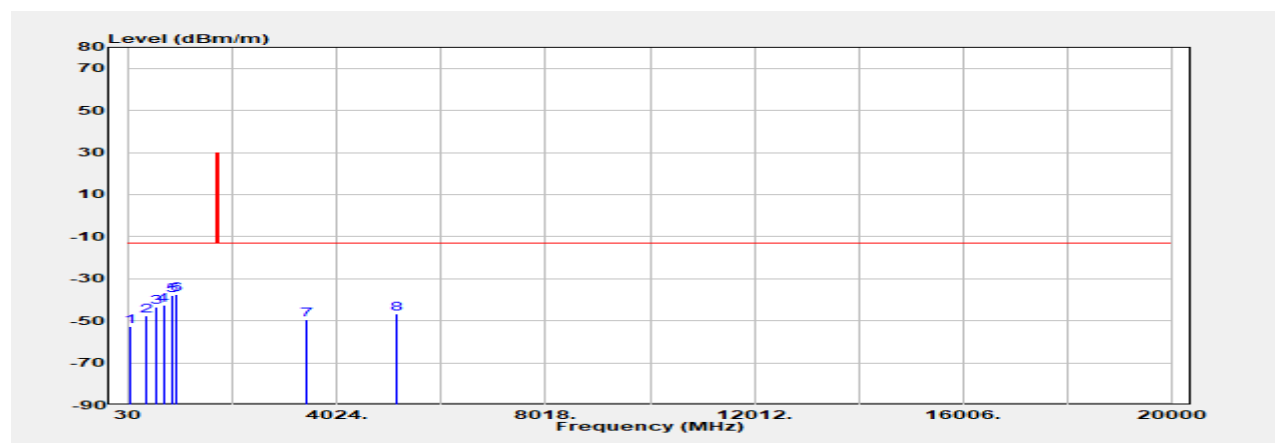
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1720 MHz

Engineer :Quentin Liu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
65.890	-52.63	-42.22	-7.81	-2.60	-13.00	-39.63
361.740	-47.77	-49.09	4.46	-3.14	-13.00	-34.77
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
687.660	-42.57	-43.12	3.75	-3.20	-13.00	-29.57
857.410	-38.14	-38.80	4.58	-3.92	-13.00	-25.14
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
3440.000	-49.24	-52.59	12.42	-9.07	-13.00	-36.24
5160.000	-46.88	-48.39	12.58	-11.07	-13.00	-33.88

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH MID

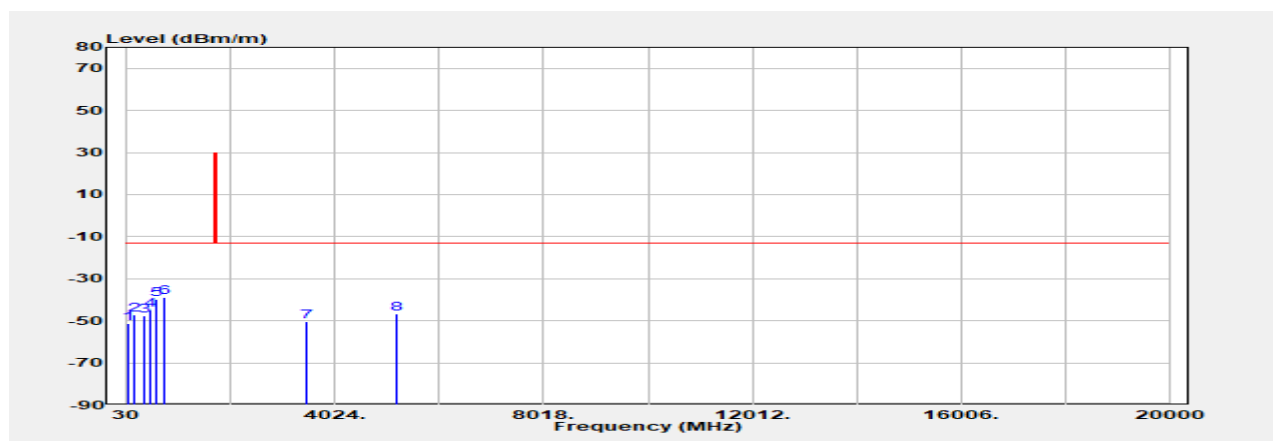
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1732.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
356.890	-47.39	-48.69	4.47	-3.17	-13.00	-34.39
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
3465.000	-50.23	-53.40	12.34	-9.17	-13.00	-37.23
5197.500	-46.72	-48.43	12.88	-11.17	-13.00	-33.72

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH MID

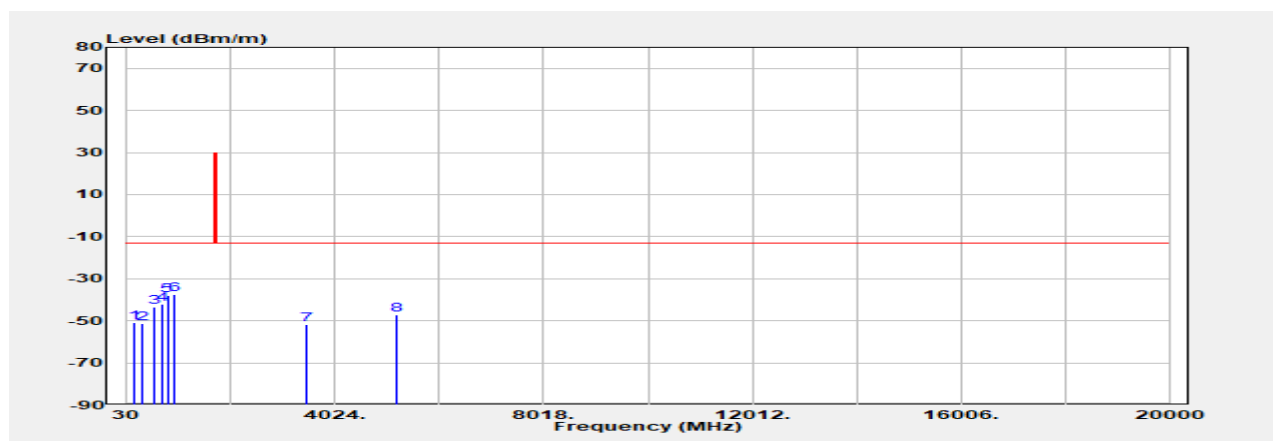
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1732.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
317.120	-51.49	-52.41	4.14	-3.22	-13.00	-38.49
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
706.090	-42.08	-42.22	3.49	-3.35	-13.00	-29.08
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
3465.000	-51.85	-55.02	12.34	-9.17	-13.00	-38.85
5197.500	-47.02	-48.73	12.88	-11.17	-13.00	-34.02

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH HIGH

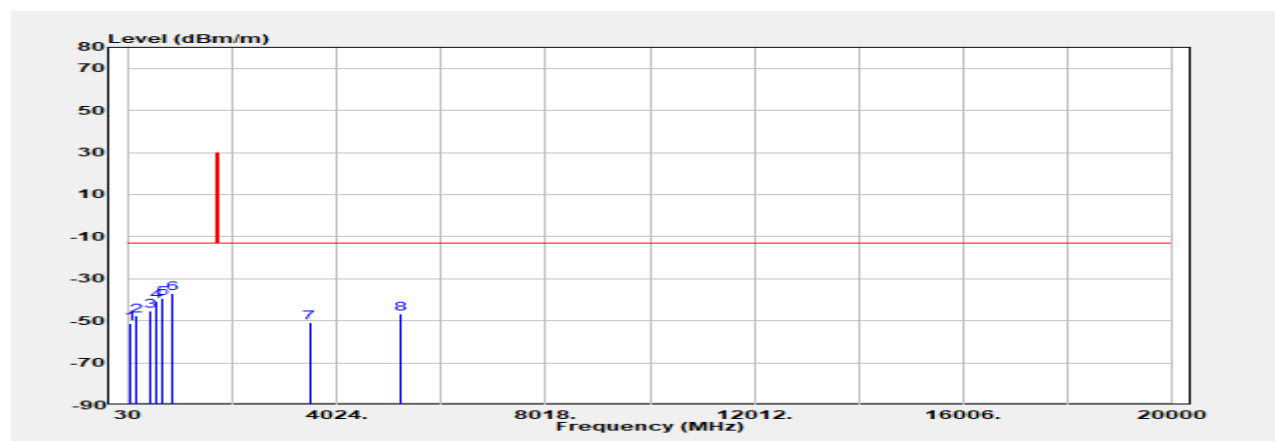
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :1745 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
161.920	-47.40	-43.55	-1.05	-2.80	-13.00	-34.40
443.220	-45.34	-46.72	4.09	-2.71	-13.00	-32.34
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
679.900	-39.39	-39.78	3.81	-3.42	-13.00	-26.39
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
3490.000	-50.84	-53.93	12.24	-9.15	-13.00	-37.84
5235.000	-46.60	-48.55	13.18	-11.23	-13.00	-33.60

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B4

Test Date :2022-06-10

Test Mode :Tx CH HIGH

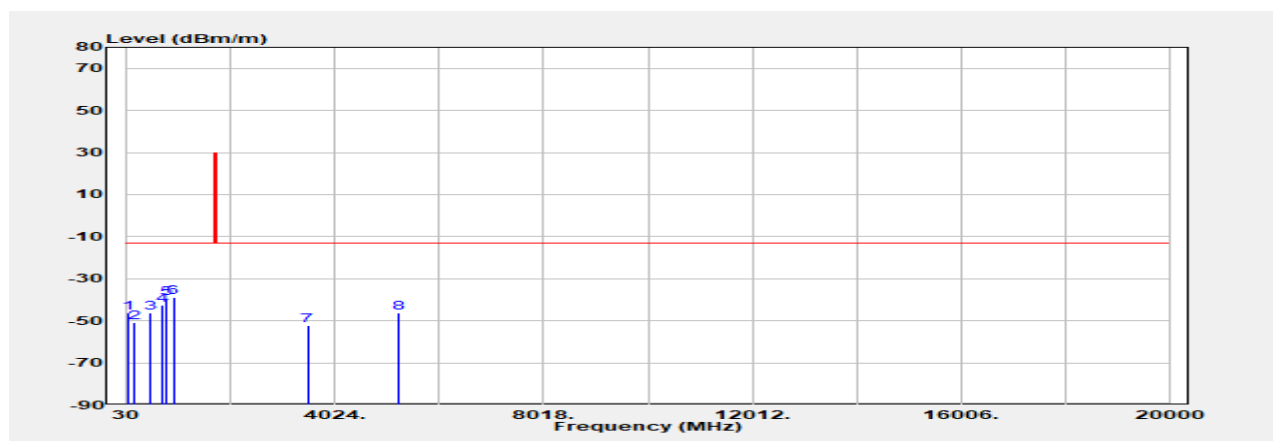
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :1745 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
462.620	-46.11	-47.42	4.11	-2.80	-13.00	-33.11
723.550	-42.70	-42.18	3.27	-3.79	-13.00	-29.70
793.390	-39.30	-39.63	3.82	-3.49	-13.00	-26.30
917.550	-38.77	-38.04	3.71	-4.44	-13.00	-25.77
3490.000	-52.06	-55.15	12.24	-9.15	-13.00	-39.06
5235.000	-46.06	-48.01	13.18	-11.23	-13.00	-33.06

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH LOW

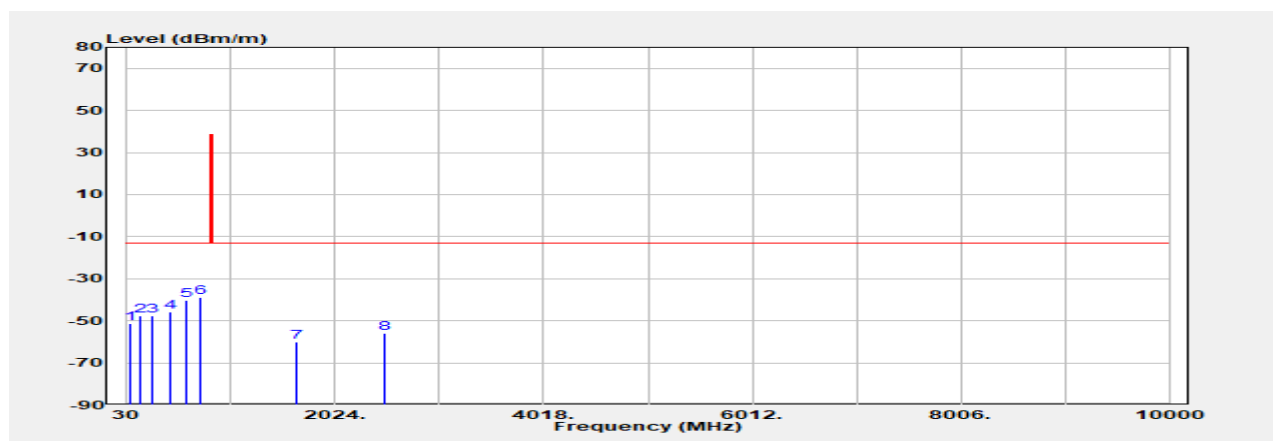
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :829 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
161.920	-47.40	-43.55	-1.05	-2.80	-13.00	-34.40
270.560	-47.81	-48.78	4.07	-3.10	-13.00	-34.81
440.310	-45.64	-46.93	4.04	-2.75	-13.00	-32.64
593.570	-40.24	-40.98	3.76	-3.02	-13.00	-27.24
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
1658.000	-59.88	-63.03	9.40	-6.25	-13.00	-46.88
2487.000	-55.81	-58.60	10.42	-7.63	-13.00	-42.81

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH LOW

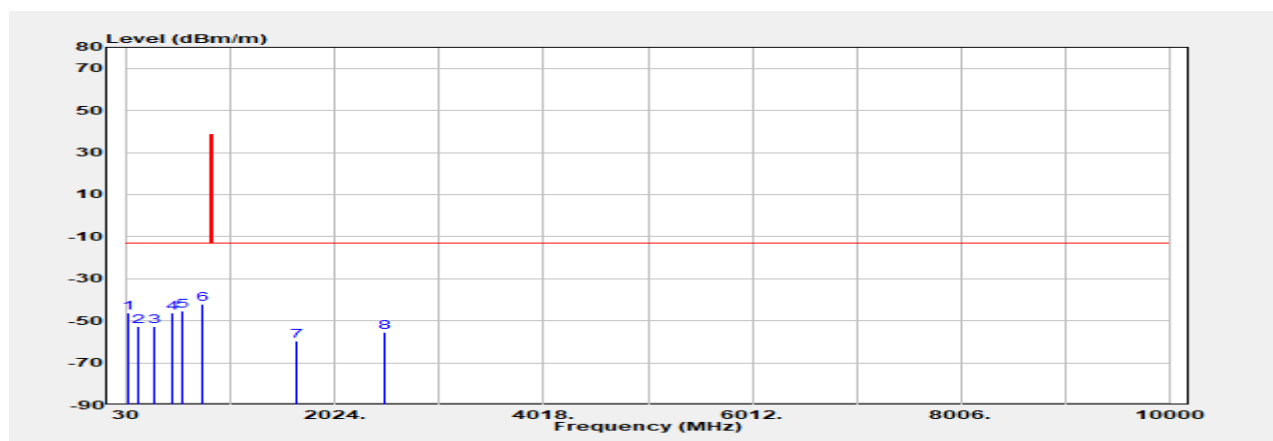
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :829 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
143.490	-52.62	-47.89	-1.95	-2.78	-13.00	-39.62
286.080	-52.78	-53.75	4.05	-3.08	-13.00	-39.78
462.620	-46.11	-47.42	4.11	-2.80	-13.00	-33.11
561.560	-45.24	-46.16	4.18	-3.26	-13.00	-32.24
757.500	-42.25	-41.74	2.95	-3.46	-13.00	-29.25
1658.000	-59.46	-62.61	9.40	-6.25	-13.00	-46.46
2487.000	-55.41	-58.20	10.42	-7.63	-13.00	-42.41

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH MID

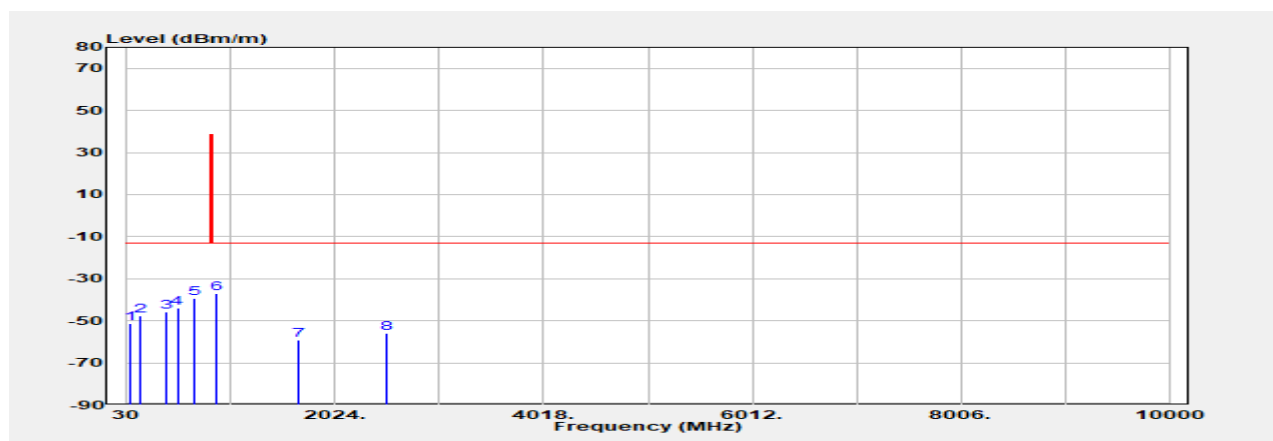
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :836.5 MHz

Engineer :Quentin Liu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
161.920	-47.40	-43.55	-1.05	-2.80	-13.00	-34.40
400.540	-45.94	-47.18	4.30	-3.06	-13.00	-32.94
511.120	-43.97	-45.24	4.11	-2.84	-13.00	-30.97
679.900	-39.39	-39.78	3.81	-3.42	-13.00	-26.39
888.450	-36.99	-36.96	4.47	-4.50	-13.00	-23.99
1673.000	-59.04	-62.15	9.40	-6.29	-13.00	-46.04
2509.500	-55.72	-58.64	10.58	-7.66	-13.00	-42.72

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH MID

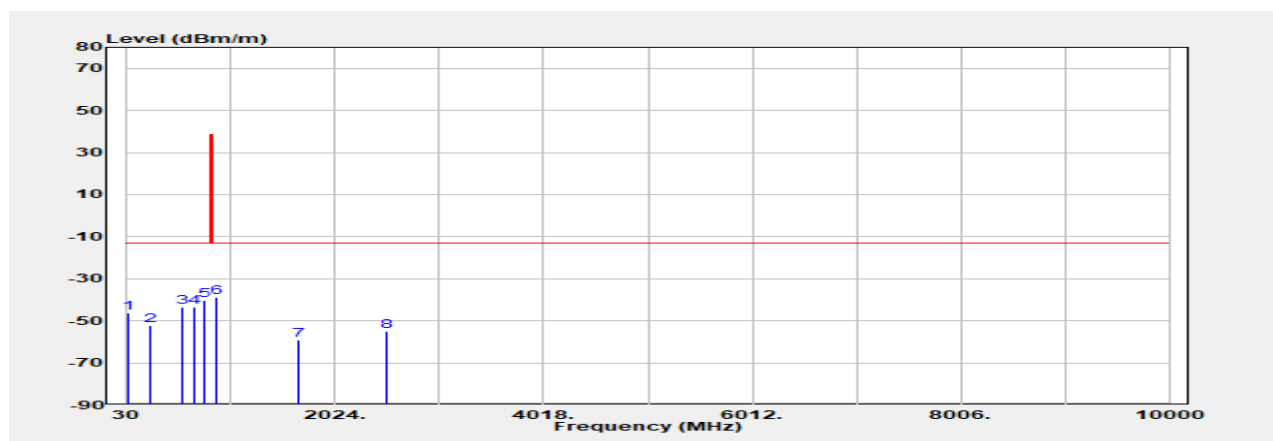
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :836.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
244.370	-52.26	-53.54	4.34	-3.06	-13.00	-39.26
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
672.140	-43.30	-43.47	3.75	-3.58	-13.00	-30.30
773.020	-40.41	-40.22	3.13	-3.32	-13.00	-27.41
882.630	-38.79	-38.89	4.48	-4.38	-13.00	-25.79
1673.000	-59.28	-62.39	9.40	-6.29	-13.00	-46.28
2509.500	-55.19	-58.11	10.58	-7.66	-13.00	-42.19

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH HIGH

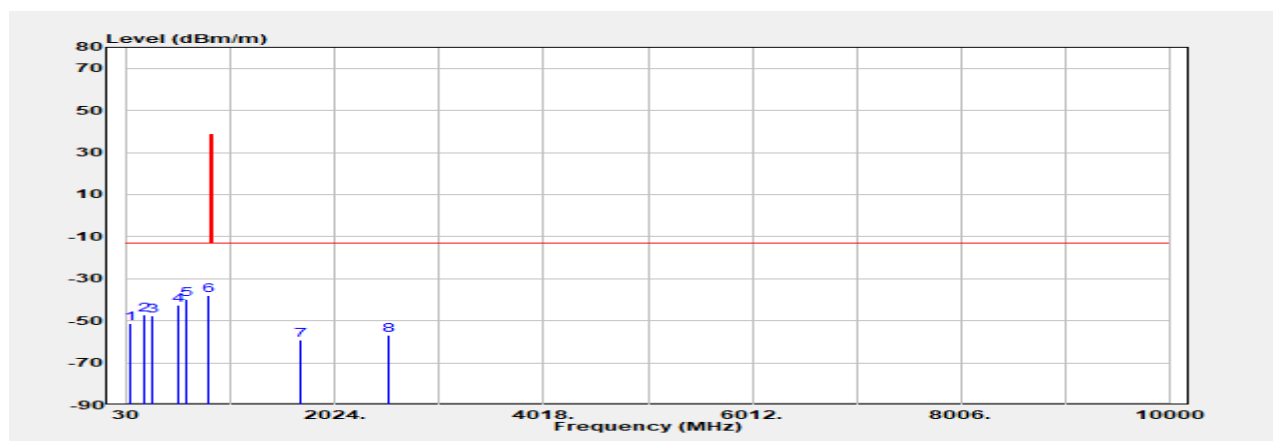
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :844 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
270.560	-47.81	-48.78	4.07	-3.10	-13.00	-34.81
525.670	-42.72	-44.18	4.16	-2.70	-13.00	-29.72
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
804.060	-37.73	-38.25	4.15	-3.63	-13.00	-24.73
1688.000	-58.99	-62.08	9.40	-6.31	-13.00	-45.99
2532.000	-56.76	-59.80	10.76	-7.72	-13.00	-43.76

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B5

Test Date :2022-06-10

Test Mode :Tx CH HIGH

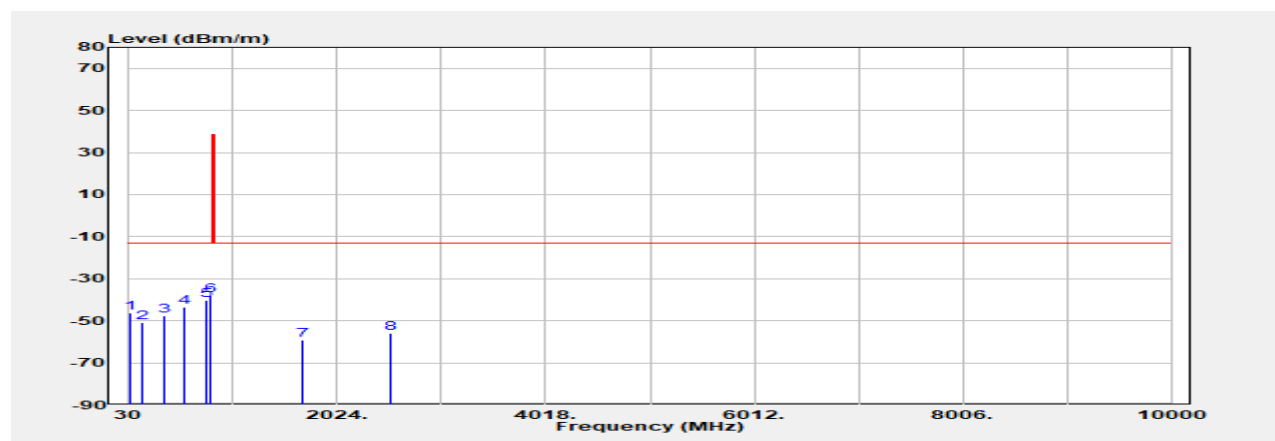
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :844 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
361.740	-47.77	-49.09	4.46	-3.14	-13.00	-34.77
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
773.020	-40.41	-40.22	3.13	-3.32	-13.00	-27.41
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
1688.000	-58.97	-62.06	9.40	-6.31	-13.00	-45.97
2532.000	-55.94	-58.98	10.76	-7.72	-13.00	-42.94

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH LOW

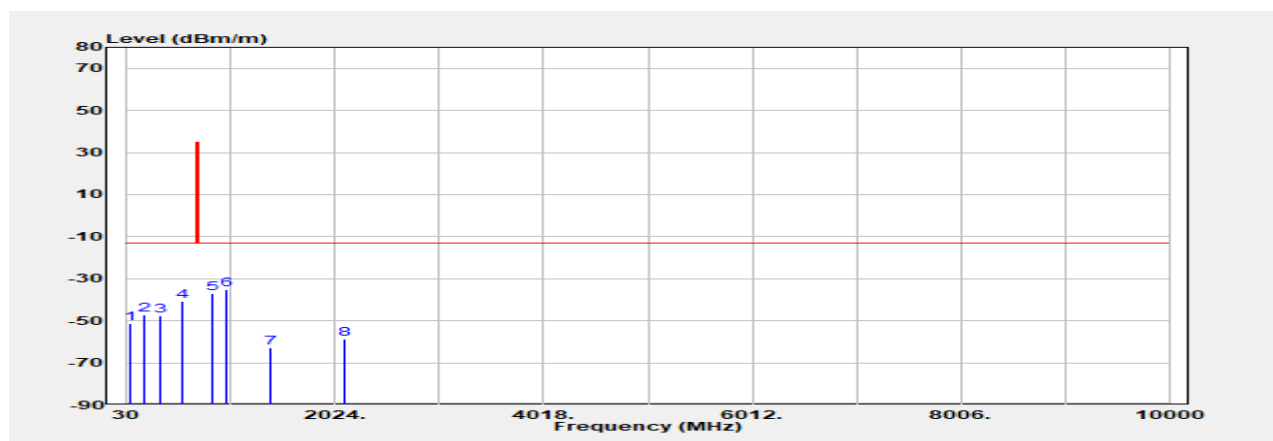
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :704 MHz

Engineer :Quentin Liu



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
356.890	-47.39	-48.69	4.47	-3.17	-13.00	-34.39
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1408.000	-62.73	-64.05	7.08	-5.76	-13.00	-49.73
2112.000	-58.55	-61.02	9.55	-7.08	-13.00	-45.55

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH LOW

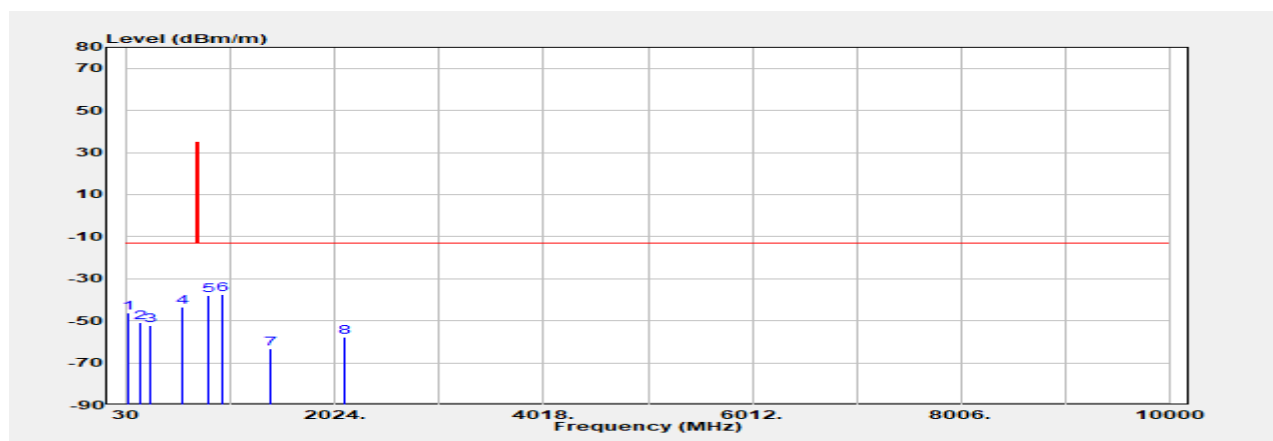
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :704 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
244.370	-52.26	-53.54	4.34	-3.06	-13.00	-39.26
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1408.000	-63.08	-64.40	7.08	-5.76	-13.00	-50.08
2112.000	-57.76	-60.23	9.55	-7.08	-13.00	-44.76

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH MID

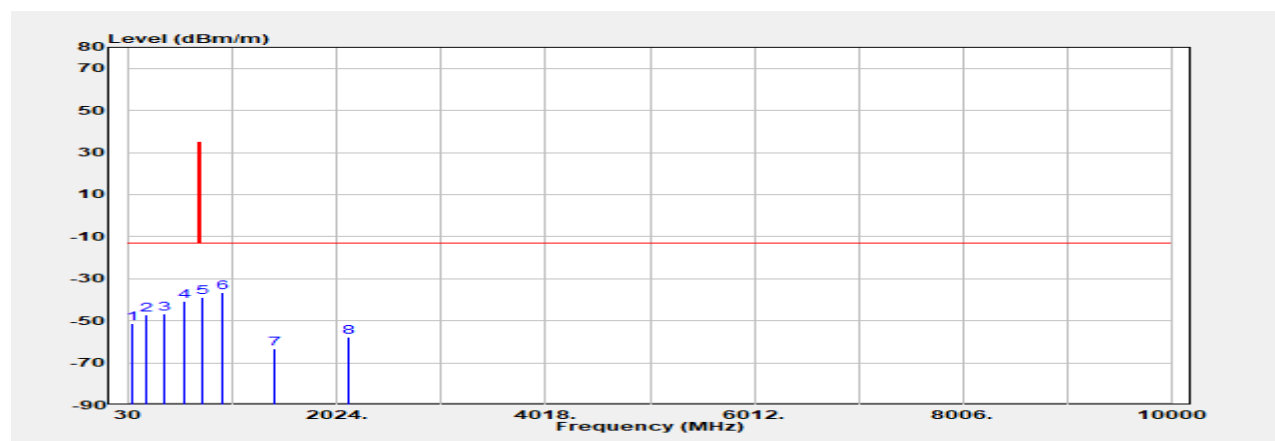
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :707.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
376.290	-46.73	-48.14	4.35	-2.94	-13.00	-33.73
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
931.130	-36.56	-35.84	3.66	-4.38	-13.00	-23.56
1415.000	-63.18	-64.56	7.15	-5.77	-13.00	-50.18
2122.500	-57.77	-60.10	9.43	-7.10	-13.00	-44.77

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH MID

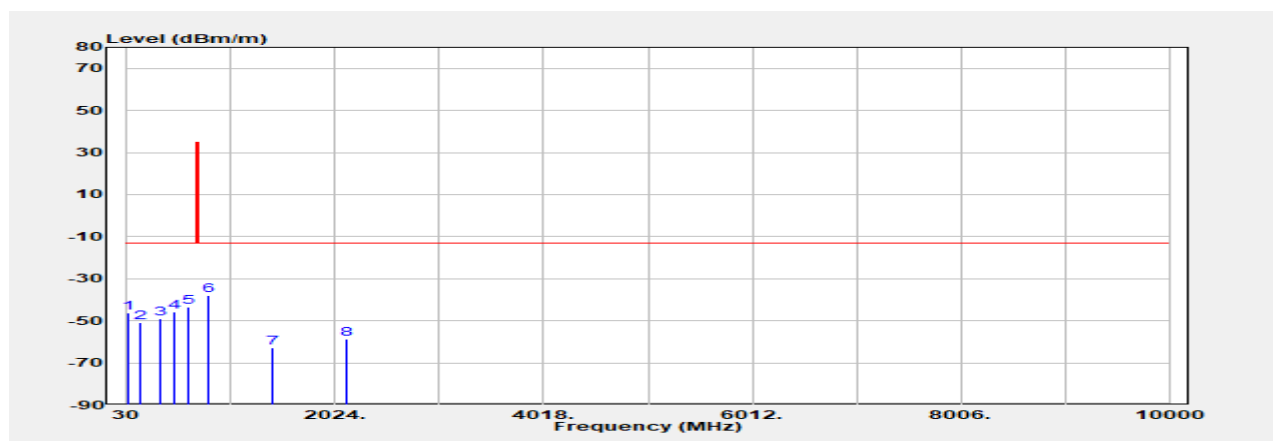
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :707.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
350.100	-48.79	-50.08	4.54	-3.25	-13.00	-35.79
484.930	-45.94	-47.04	4.27	-3.17	-13.00	-32.94
610.060	-43.53	-44.20	3.47	-2.80	-13.00	-30.53
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
1415.000	-62.95	-64.33	7.15	-5.77	-13.00	-49.95
2122.500	-58.47	-60.80	9.43	-7.10	-13.00	-45.47

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH HIGH

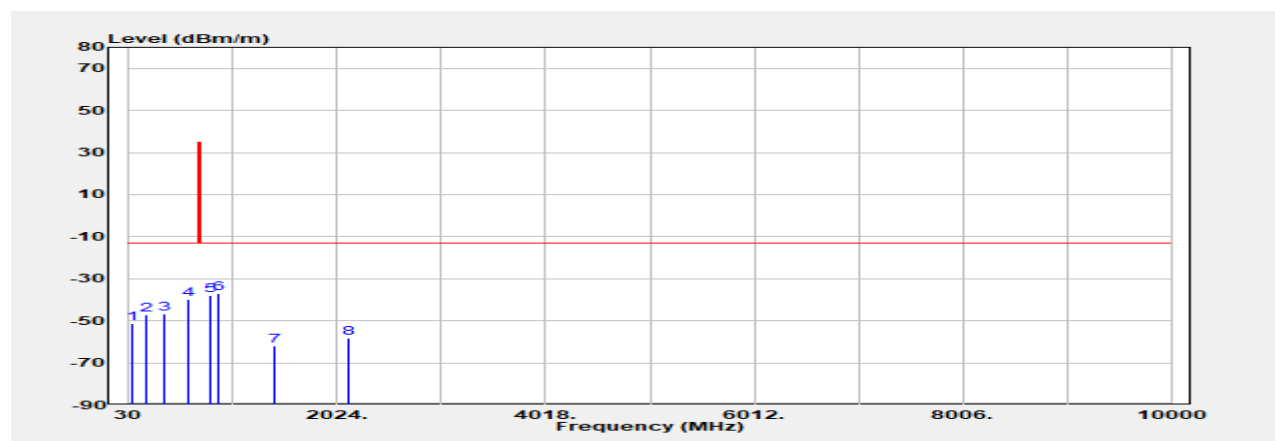
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :711 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
376.290	-46.73	-48.14	4.35	-2.94	-13.00	-33.73
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
804.060	-37.73	-38.25	4.15	-3.63	-13.00	-24.73
888.450	-36.99	-36.96	4.47	-4.50	-13.00	-23.99
1422.000	-62.09	-63.53	7.22	-5.78	-13.00	-49.09
2133.000	-57.99	-60.18	9.30	-7.11	-13.00	-44.99

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B12

Test Date :2022-06-10

Test Mode :Tx CH HIGH

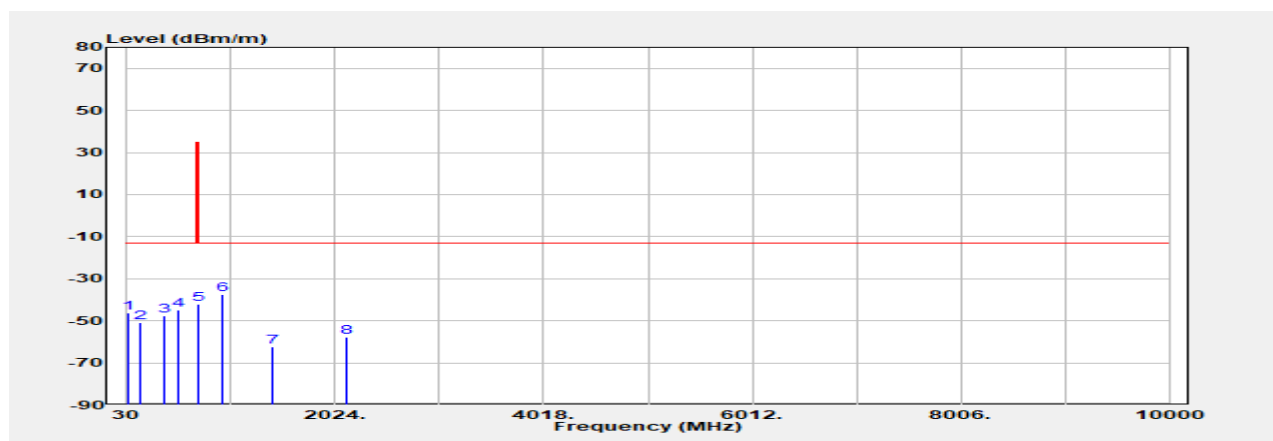
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :711 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
385.020	-47.40	-48.94	4.37	-2.83	-13.00	-34.40
522.760	-44.75	-46.14	4.12	-2.73	-13.00	-31.75
706.090	-42.08	-42.22	3.49	-3.35	34.77	-76.85
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1422.000	-62.45	-63.89	7.22	-5.78	-13.00	-49.45
2133.000	-57.87	-60.06	9.30	-7.11	-13.00	-44.87

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH LOW

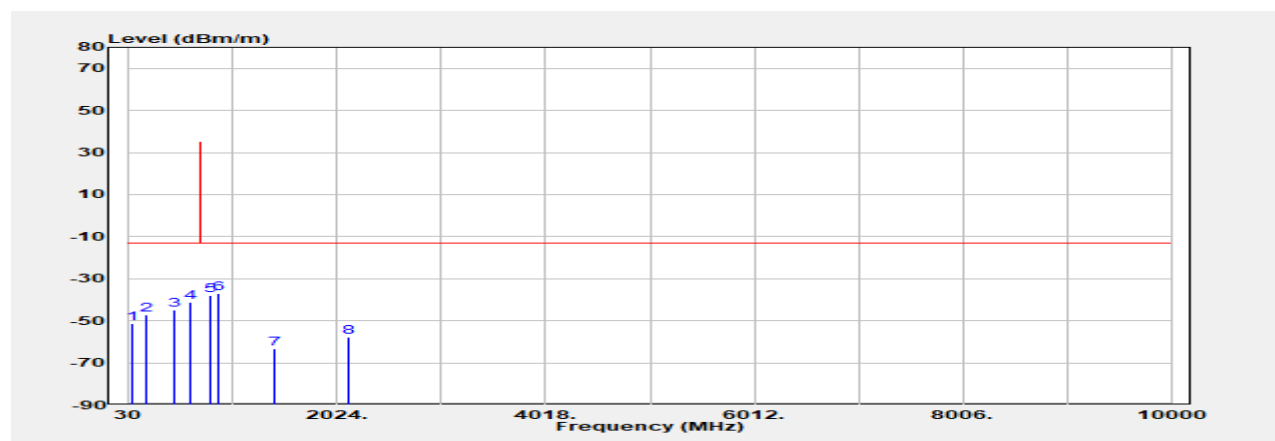
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :709 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
612.970	-41.12	-41.65	3.45	-2.92	-13.00	-28.12
804.060	-37.73	-38.25	4.15	-3.63	-13.00	-24.73
888.450	-36.99	-36.96	4.47	-4.50	-13.00	-23.99
1418.000	-63.49	-64.89	7.18	-5.78	-13.00	-50.49
2127.000	-57.60	-59.87	9.37	-7.10	-13.00	-44.60

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH LOW

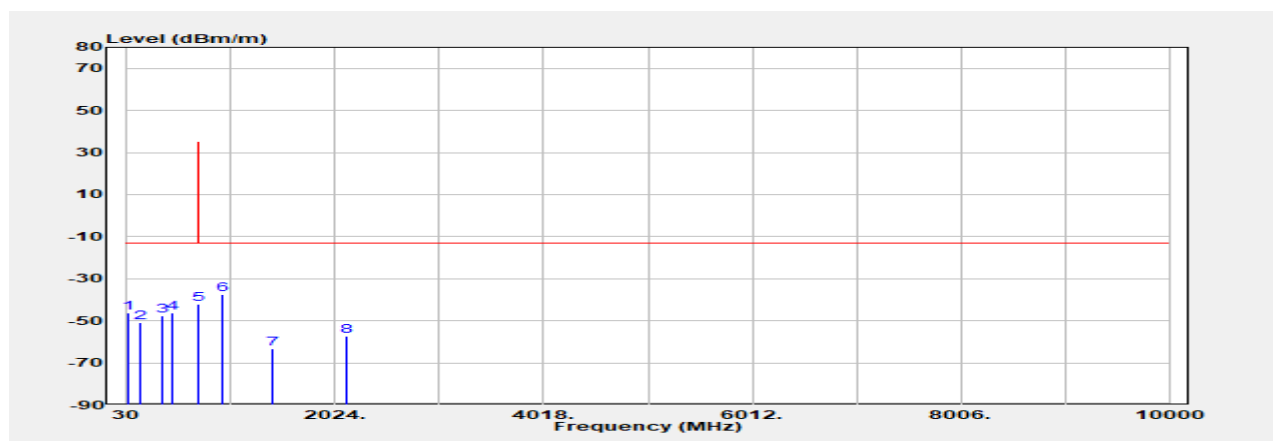
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :709 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
361.740	-47.77	-49.09	4.46	-3.14	-13.00	-34.77
462.620	-46.11	-47.42	4.11	-2.80	-13.00	-33.11
706.090	-42.08	-42.22	3.49	-3.35	34.77	-76.85
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1418.000	-63.20	-64.60	7.18	-5.78	-13.00	-50.20
2127.000	-57.34	-59.61	9.37	-7.10	-13.00	-44.34

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH MID

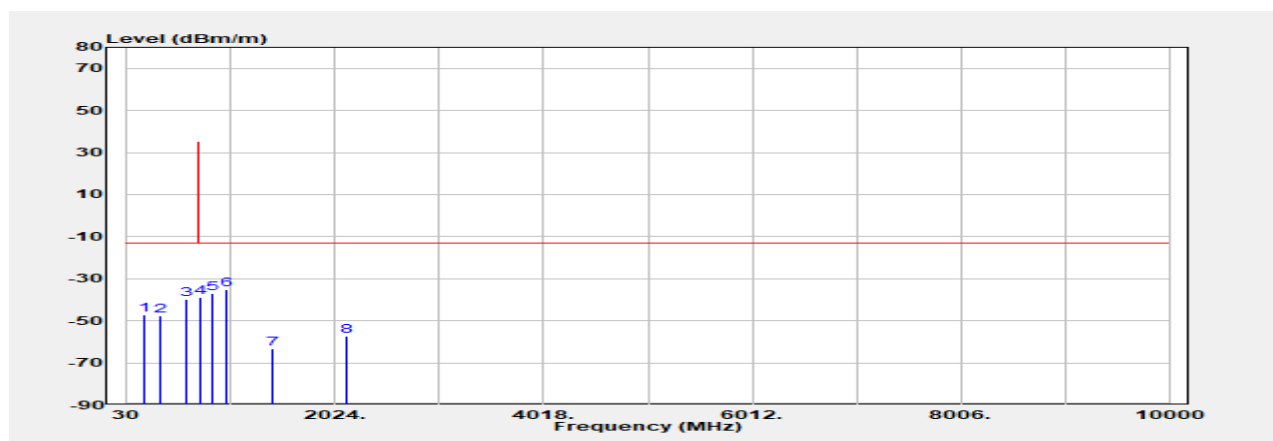
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :710 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
356.890	-47.39	-48.69	4.47	-3.17	-13.00	-34.39
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
980.600	-35.27	-34.55	3.80	-4.52	-13.00	-22.27
1420.000	-63.42	-64.84	7.20	-5.78	-13.00	-50.42
2130.000	-57.08	-59.31	9.34	-7.11	-13.00	-44.08

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH MID

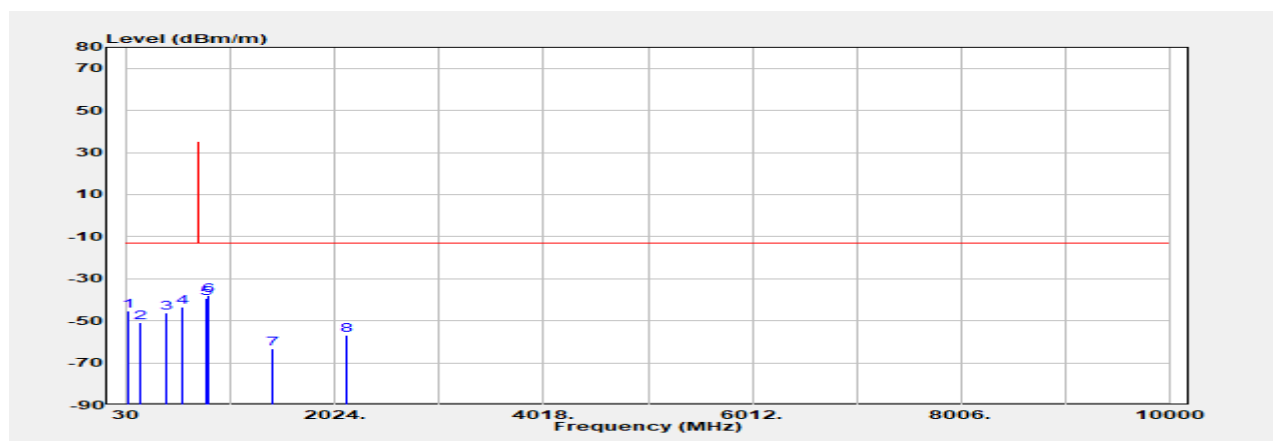
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :710 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.640	-45.53	-29.80	-13.31	-2.42	-13.00	-32.53
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
414.120	-46.20	-47.58	4.34	-2.96	-13.00	-33.20
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
793.390	-39.30	-39.63	3.82	-3.49	-13.00	-26.30
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
1420.000	-63.28	-64.70	7.20	-5.78	-13.00	-50.28
2130.000	-56.71	-58.94	9.34	-7.11	-13.00	-43.71

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH HIGH

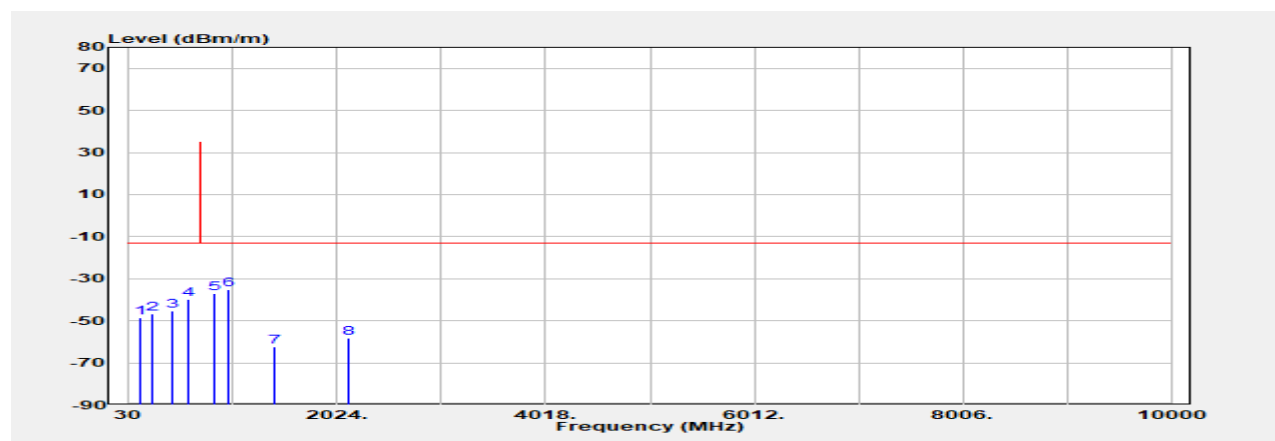
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :711 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
145.430	-48.67	-44.07	-1.80	-2.80	-13.00	-35.67
251.160	-46.75	-47.95	4.31	-3.11	-13.00	-33.75
443.220	-45.34	-46.72	4.09	-2.71	-13.00	-32.34
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1422.000	-62.44	-63.88	7.22	-5.78	-13.00	-49.44
2133.000	-58.11	-60.30	9.30	-7.11	-13.00	-45.11

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B17

Test Date :2022-06-10

Test Mode :Tx CH HIGH

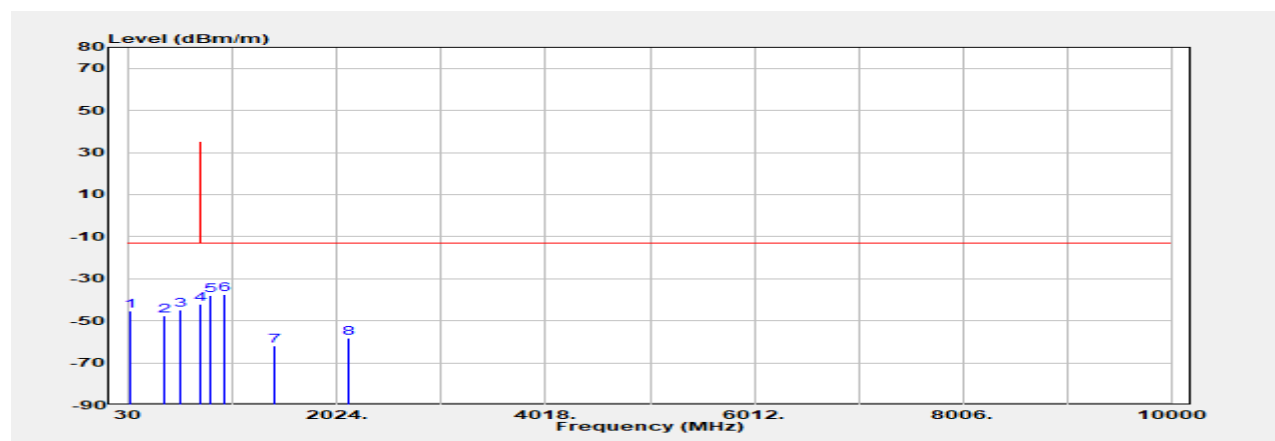
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :711 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.640	-45.53	-29.80	-13.31	-2.42	-13.00	-32.53
361.740	-47.77	-49.09	4.46	-3.14	-13.00	-34.77
522.760	-44.75	-46.14	4.12	-2.73	-13.00	-31.75
706.090	-42.08	-42.22	3.49	-3.35	34.77	-76.85
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1422.000	-61.99	-63.43	7.22	-5.78	-13.00	-48.99
2133.000	-57.99	-60.18	9.30	-7.11	-13.00	-44.99

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26

Test Date :2022-06-10

Test Mode :Tx CH LOW

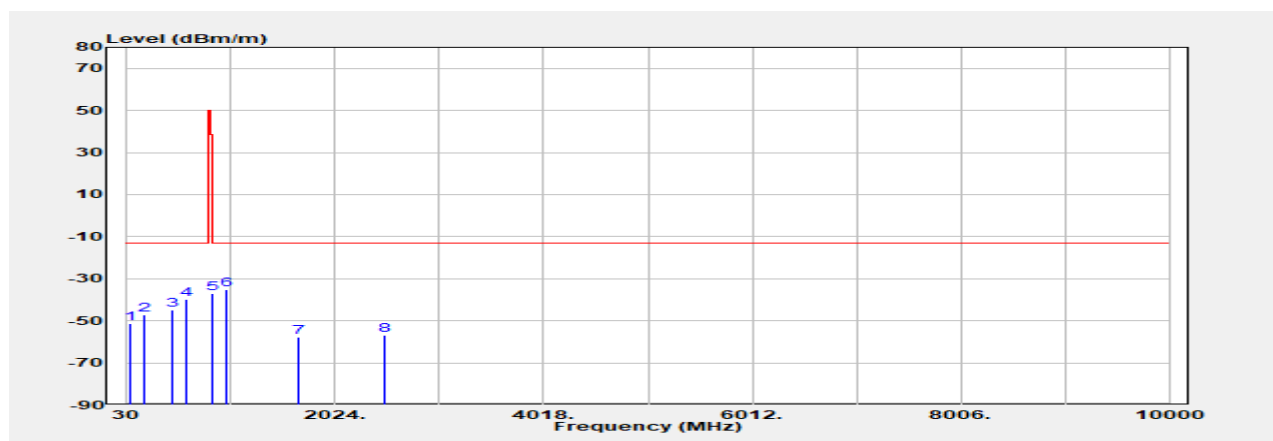
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :831.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1663.000	-57.59	-60.72	9.40	-6.27	-13.00	-44.59
2494.500	-56.89	-59.72	10.47	-7.64	-13.00	-43.89

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26

Test Date :2022-06-10

Test Mode :Tx CH LOW

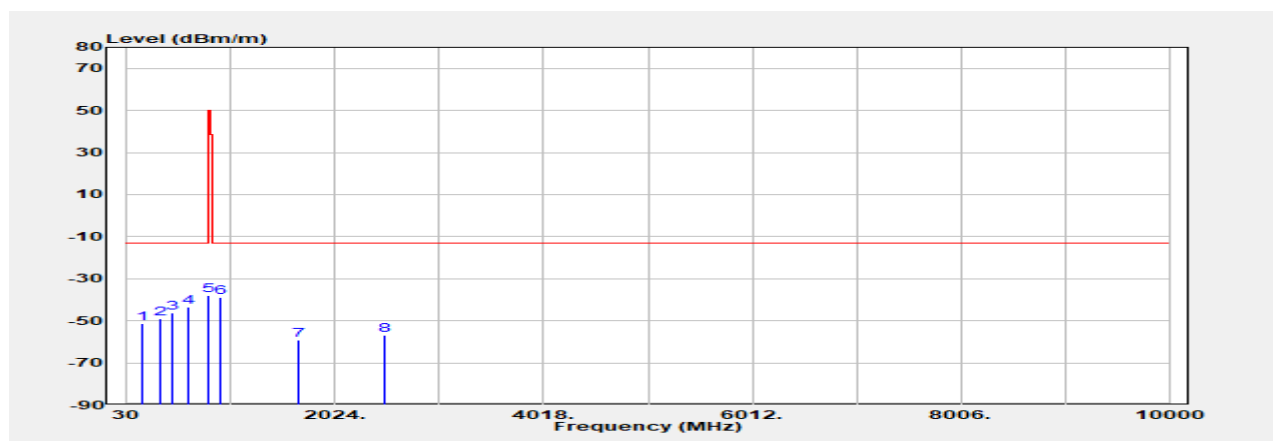
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :831.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
178.410	-51.44	-49.63	1.07	-2.88	-13.00	-38.44
350.100	-48.79	-50.08	4.54	-3.25	-13.00	-35.79
462.620	-46.11	-47.42	4.11	-2.80	-13.00	-33.11
610.060	-43.53	-44.20	3.47	-2.80	-13.00	-30.53
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
917.550	-38.77	-38.04	3.71	-4.44	-13.00	-25.77
1663.000	-59.16	-62.29	9.40	-6.27	-13.00	-46.16
2494.500	-56.63	-59.46	10.47	-7.64	-13.00	-43.63

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26

Test Date :2022-06-10

Test Mode :Tx CH MID

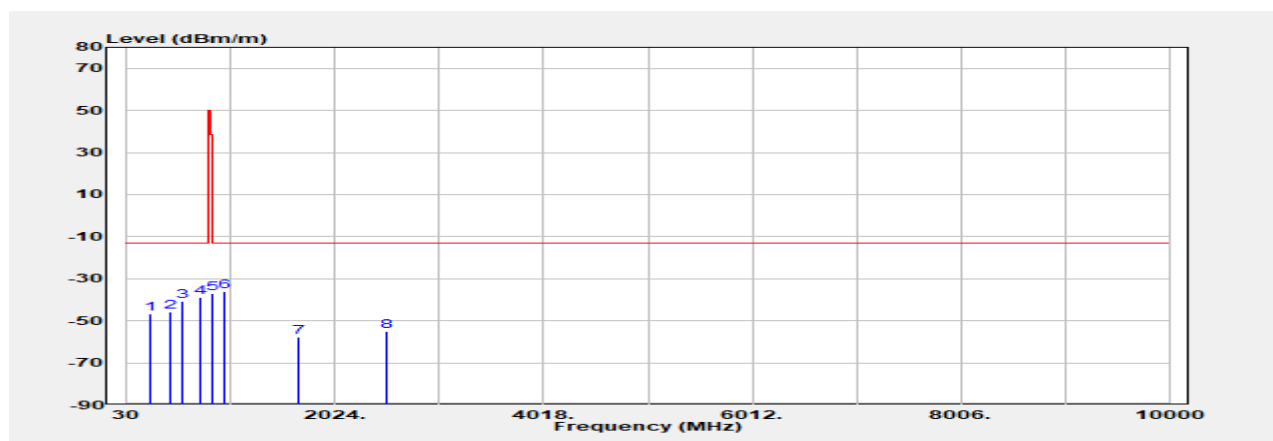
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :836.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
251.160	-46.75	-47.95	4.31	-3.11	-13.00	-33.75
440.310	-45.64	-46.93	4.04	-2.75	-13.00	-32.64
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
957.320	-35.90	-35.16	3.74	-4.48	-13.00	-22.90
1673.000	-57.56	-60.67	9.40	-6.29	-13.00	-44.56
2509.500	-55.13	-58.05	10.58	-7.66	-13.00	-42.13

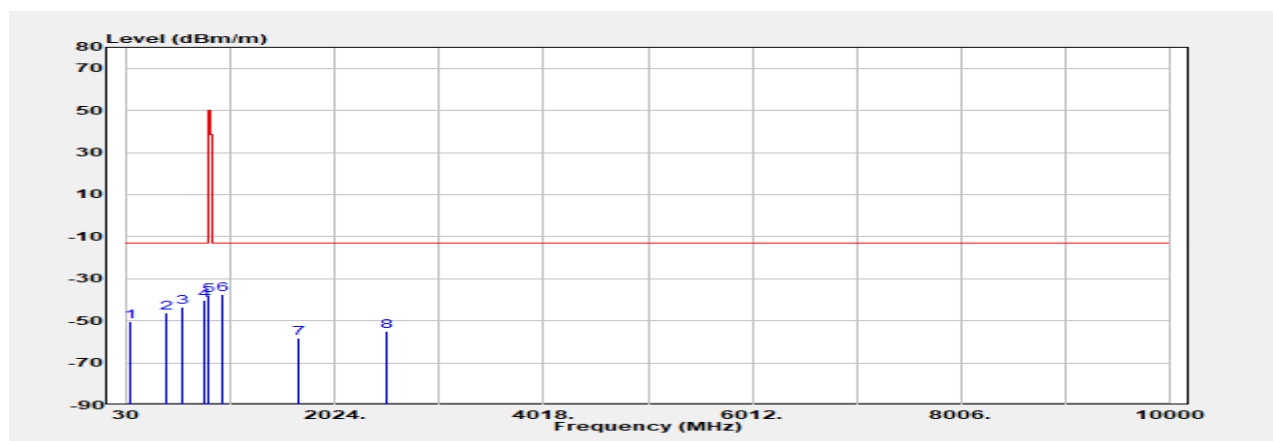
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Report Number :TERF2204000399E2
 Operation Mode :LTE B26
 Test Mode :Tx CH MID
 EUT Pol :E1 Plane
 Test Frequency :836.5 MHz

Test Site :SAC G
 Test Date :2022-06-10
 Temp./Humi. :21.7/70
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
58.130	-50.58	-38.12	-9.92	-2.54	-13.00	-37.58
414.120	-46.20	-47.58	4.34	-2.96	-13.00	-33.20
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
773.020	-40.41	-40.22	3.13	-3.32	-13.00	-27.41
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1673.000	-58.41	-61.52	9.40	-6.29	-13.00	-45.41
2509.500	-55.05	-57.97	10.58	-7.66	-13.00	-42.05

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26

Test Date :2022-06-10

Test Mode :Tx CH HIGH

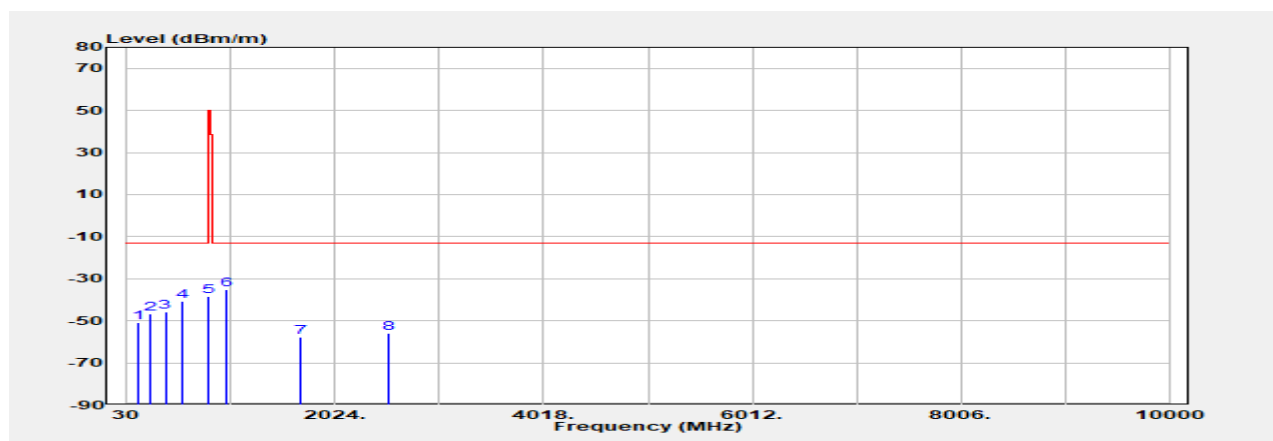
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :841.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
133.790	-50.88	-46.05	-2.07	-2.76	-13.00	-37.88
251.160	-46.75	-47.95	4.31	-3.11	-13.00	-33.75
396.660	-45.86	-47.17	4.29	-2.98	-13.00	-32.86
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
800.180	-38.52	-38.97	4.03	-3.58	-13.00	-25.52
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1683.000	-57.81	-60.91	9.40	-6.30	-13.00	-44.81
2524.500	-56.01	-59.01	10.70	-7.70	-13.00	-43.01

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26

Test Date :2022-06-10

Test Mode :Tx CH HIGH

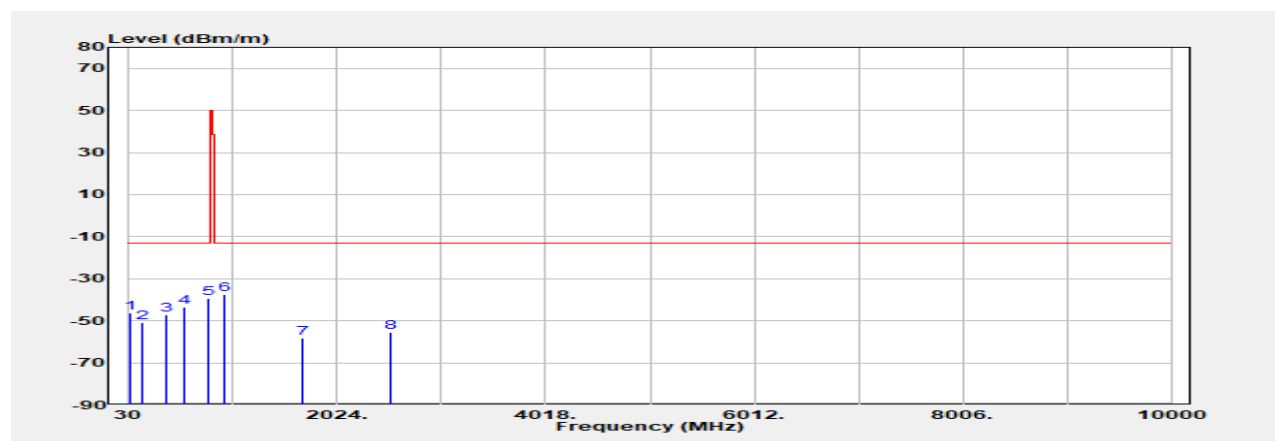
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :841.5 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
391.810	-47.20	-48.68	4.35	-2.87	-13.00	-34.20
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
793.390	-39.30	-39.63	3.82	-3.49	-13.00	-26.30
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1683.000	-58.14	-61.24	9.40	-6.30	-13.00	-45.14
2524.500	-55.66	-58.66	10.70	-7.70	-13.00	-42.66

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26 90S

Test Date :2022-06-10

Test Mode :Tx CH LOW

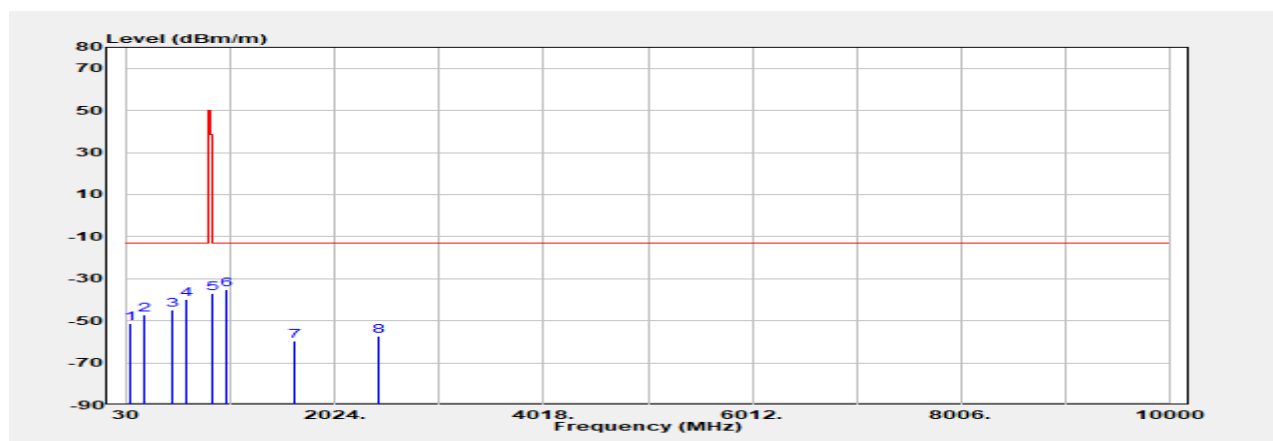
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :814.7 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1629.400	-59.40	-62.55	9.32	-6.17	-13.00	-46.40
2444.100	-57.18	-59.71	10.16	-7.63	-13.00	-44.18

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26 90S

Test Date :2022-06-10

Test Mode :Tx CH LOW

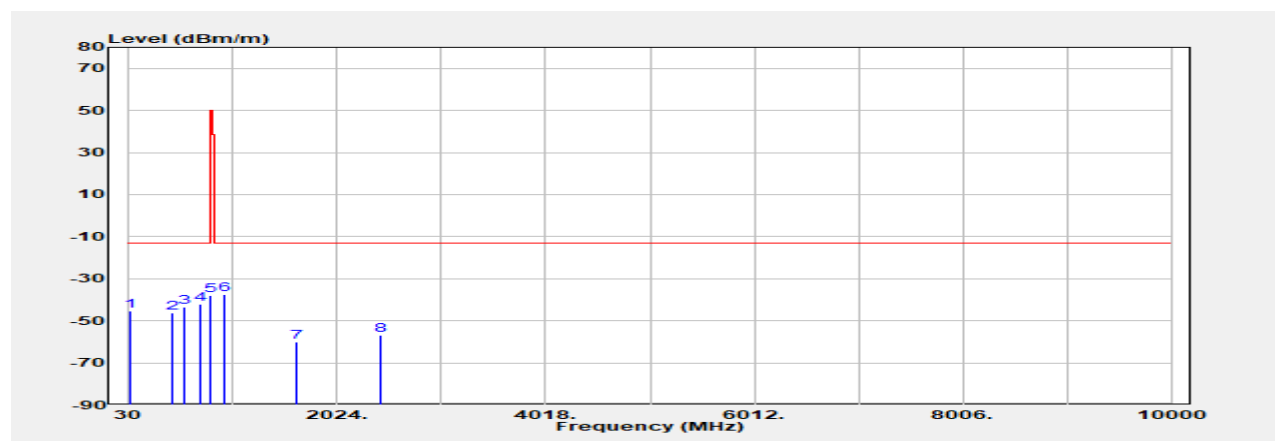
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :814.7 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
41.640	-45.53	-29.80	-13.31	-2.42	-13.00	-32.53
437.400	-46.19	-47.40	3.98	-2.77	-13.00	-33.19
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
706.090	-42.08	-42.22	3.49	-3.35	-13.00	-29.08
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1629.400	-59.89	-63.04	9.32	-6.17	-13.00	-46.89
2444.100	-56.75	-59.28	10.16	-7.63	-13.00	-43.75

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26 90S

Test Date :2022-06-10

Test Mode :Tx CH MID

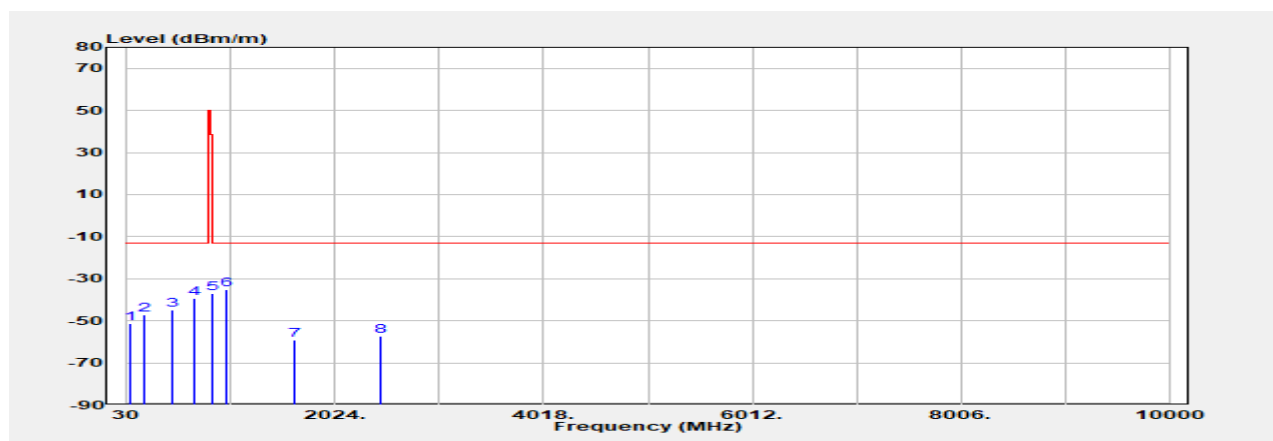
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :819 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
463.590	-44.96	-46.25	4.11	-2.82	-13.00	-31.96
679.900	-39.39	-39.78	3.81	-3.42	-13.00	-26.39
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
980.600	-35.27	-34.55	3.80	-4.52	-13.00	-22.27
1638.000	-58.99	-62.16	9.35	-6.18	-13.00	-45.99
2457.000	-57.23	-59.82	10.24	-7.65	-13.00	-44.23

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26 90S

Test Date :2022-06-10

Test Mode :Tx CH MID

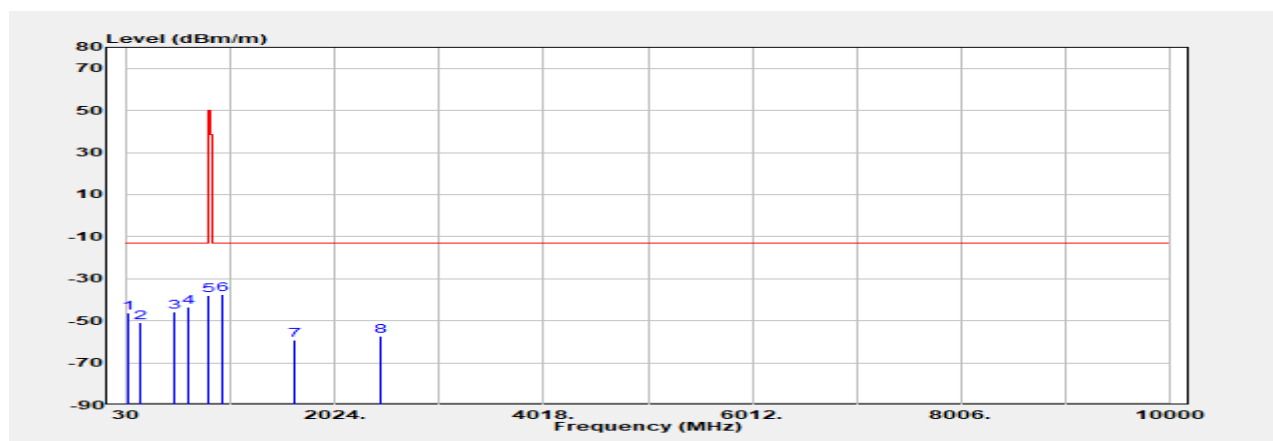
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :819 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
484.930	-45.94	-47.04	4.27	-3.17	-13.00	-32.94
610.060	-43.53	-44.20	3.47	-2.80	-13.00	-30.53
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1638.000	-59.02	-62.19	9.35	-6.18	-13.00	-46.02
2457.000	-57.42	-60.01	10.24	-7.65	-13.00	-44.42

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B26 90S

Test Date :2022-06-10

Test Mode :Tx CH HIGH

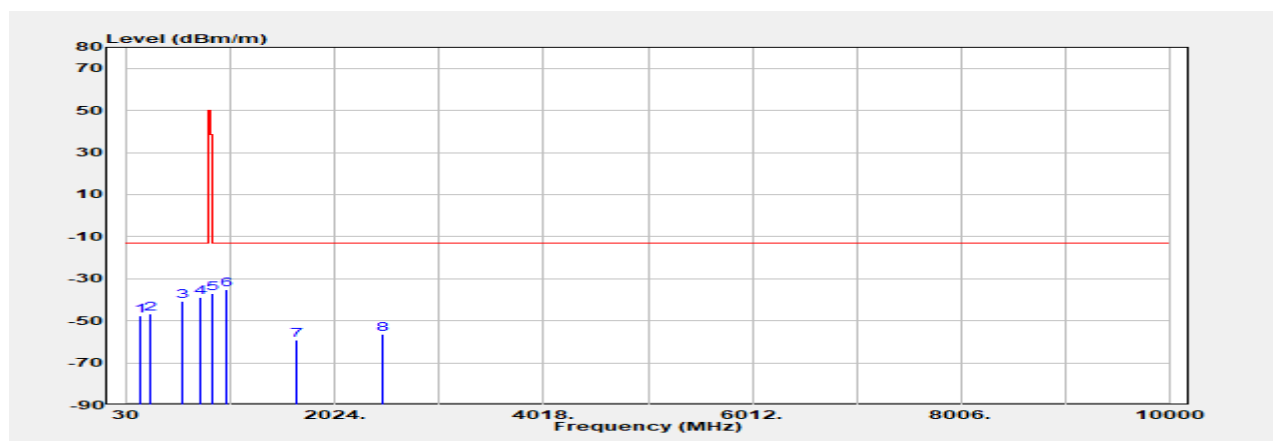
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :823.3 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
161.920	-47.40	-43.55	-1.05	-2.80	-13.00	-34.40
251.160	-46.75	-47.95	4.31	-3.11	-13.00	-33.75
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
1646.600	-58.99	-62.17	9.39	-6.21	-13.00	-45.99
2469.900	-56.21	-58.89	10.32	-7.64	-13.00	-43.21

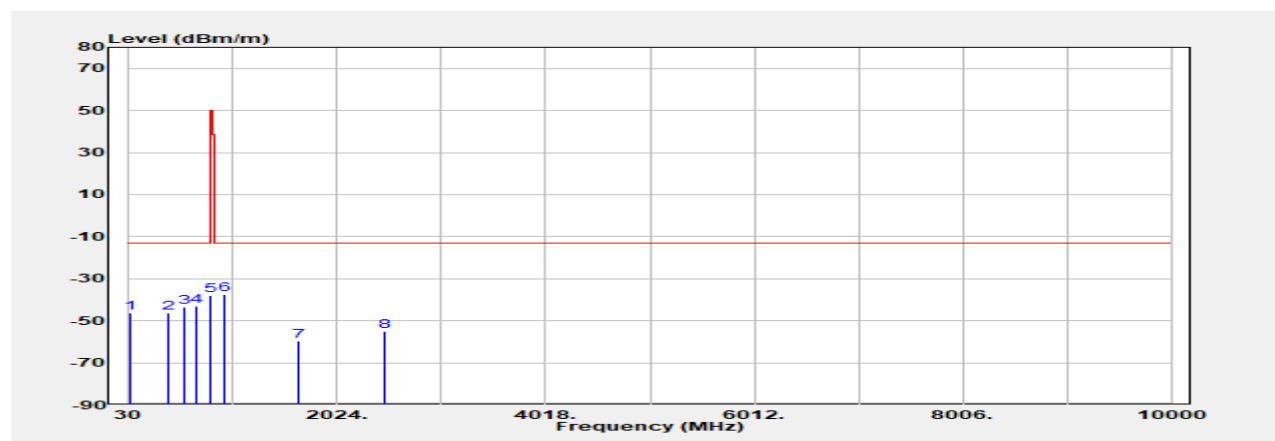
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Report Number :TERF2204000399E2
 Operation Mode :LTE B26 90S
 Test Mode :Tx CH HIGH
 EUT Pol :E1 Plane
 Test Frequency :823.3 MHz

Test Site :SAC G
 Test Date :2022-06-10
 Temp./Humi. :21.7/70
 Antenna Pol. :Horizontal
 Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
44.550	-46.07	-30.75	-12.88	-2.44	-13.00	-33.07
414.120	-46.20	-47.58	4.34	-2.96	-13.00	-33.20
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
678.930	-43.03	-43.41	3.82	-3.44	-13.00	-30.03
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
1646.600	-59.49	-62.67	9.39	-6.21	-13.00	-46.49
2469.900	-54.84	-57.52	10.32	-7.64	-13.00	-41.84

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH LOW

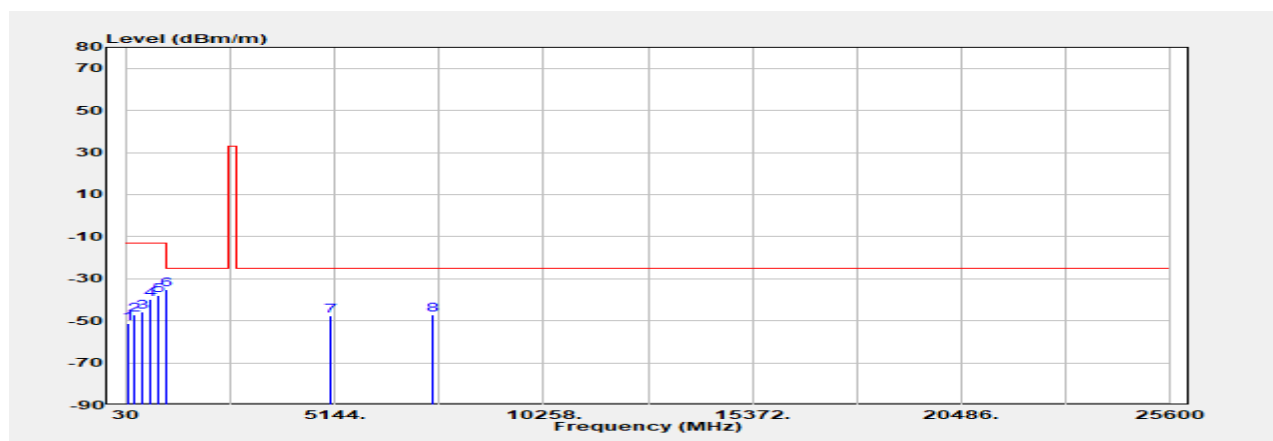
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :2506 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
396.660	-45.86	-47.17	4.29	-2.98	-13.00	-32.86
603.270	-39.99	-40.78	3.61	-2.82	-13.00	-26.99
804.060	-37.73	-38.25	4.15	-3.63	-13.00	-24.73
980.600	-35.27	-34.55	3.80	-4.52	-13.00	-22.27
5012.000	-47.76	-49.36	12.55	-10.95	-25.00	-22.76
7518.000	-47.16	-44.80	11.24	-13.60	-25.00	-22.16

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH LOW

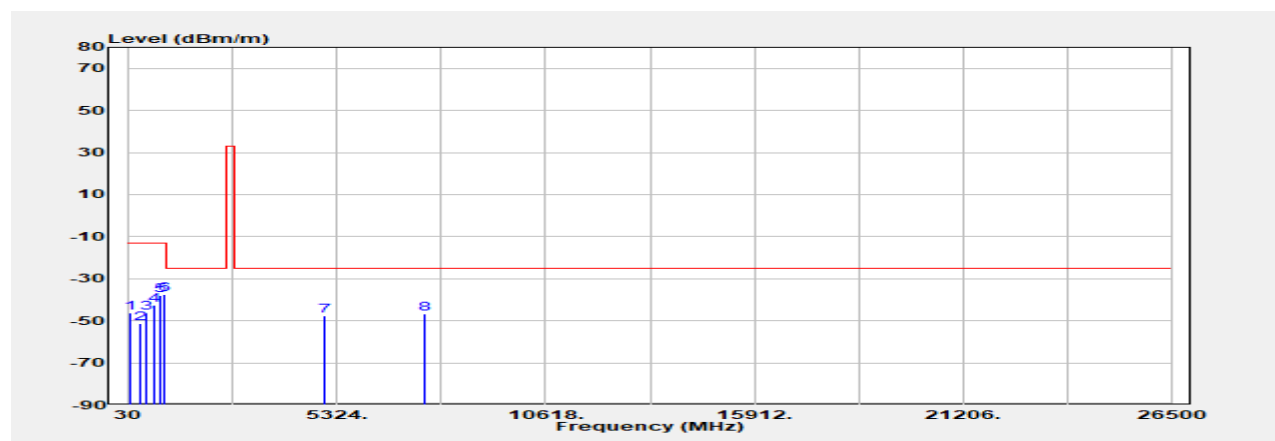
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :2506 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
50.370	-46.09	-31.80	-11.82	-2.47	-13.00	-33.09
317.120	-51.49	-52.41	4.14	-3.22	-13.00	-38.49
462.620	-46.11	-47.42	4.11	-2.80	-13.00	-33.11
687.660	-42.57	-43.12	3.75	-3.20	-13.00	-29.57
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
5012.000	-47.49	-49.09	12.55	-10.95	-25.00	-22.49
7518.000	-46.91	-44.55	11.24	-13.60	-25.00	-21.91

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH MID

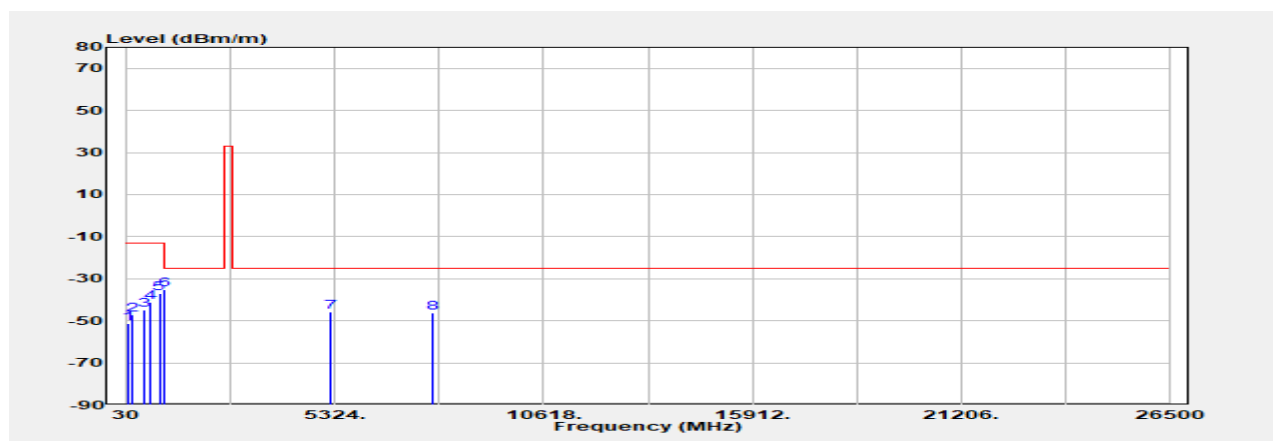
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :2593 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
186.170	-47.30	-46.96	2.59	-2.93	-13.00	-34.30
472.320	-44.90	-46.01	4.14	-3.03	-13.00	-31.90
612.970	-41.12	-41.65	3.45	-2.92	-13.00	-28.12
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
988.360	-35.09	-34.50	3.96	-4.55	-13.00	-22.09
5186.000	-45.63	-47.26	12.79	-11.16	-25.00	-20.63
7779.000	-46.17	-44.32	11.84	-13.69	-25.00	-21.17

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH MID

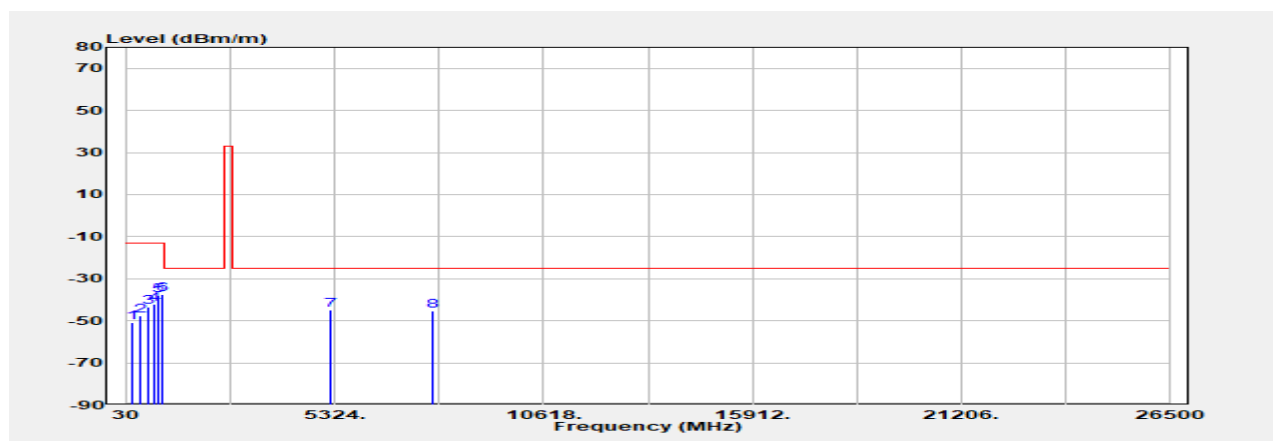
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :2593 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
376.290	-47.44	-48.85	4.35	-2.94	-13.00	-34.44
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
706.090	-42.08	-42.22	3.49	-3.35	-13.00	-29.08
803.090	-37.98	-38.48	4.12	-3.62	-13.00	-24.98
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
5186.000	-44.89	-46.52	12.79	-11.16	-25.00	-19.89
7779.000	-45.33	-43.48	11.84	-13.69	-25.00	-20.33

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH HIGH

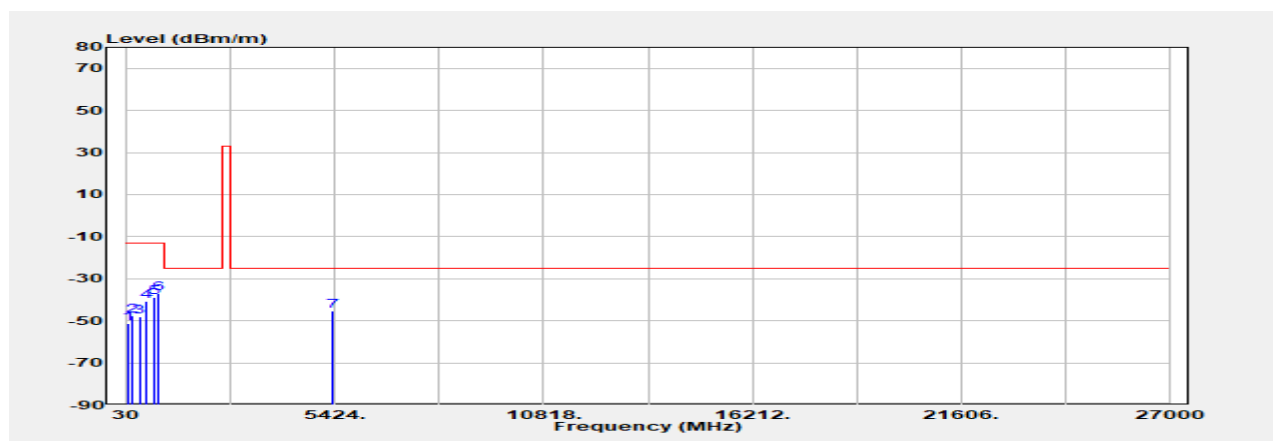
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Vertical

Test Frequency :2680 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
60.070	-51.29	-39.18	-9.56	-2.55	-13.00	-38.29
161.920	-47.40	-43.55	-1.05	-2.80	-13.00	-34.40
348.160	-47.94	-49.17	4.50	-3.27	-13.00	-34.94
552.830	-40.64	-41.76	4.22	-3.10	-13.00	-27.64
727.430	-38.78	-38.05	3.15	-3.88	-13.00	-25.78
849.650	-36.98	-37.84	4.65	-3.79	-13.00	-23.98
5360.000	-45.50	-47.54	13.38	-11.34	-25.00	-20.50

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Report Number :TERF2204000399E2

Test Site :SAC G

Operation Mode :LTE B41

Test Date :2022-06-10

Test Mode :Tx CH HIGH

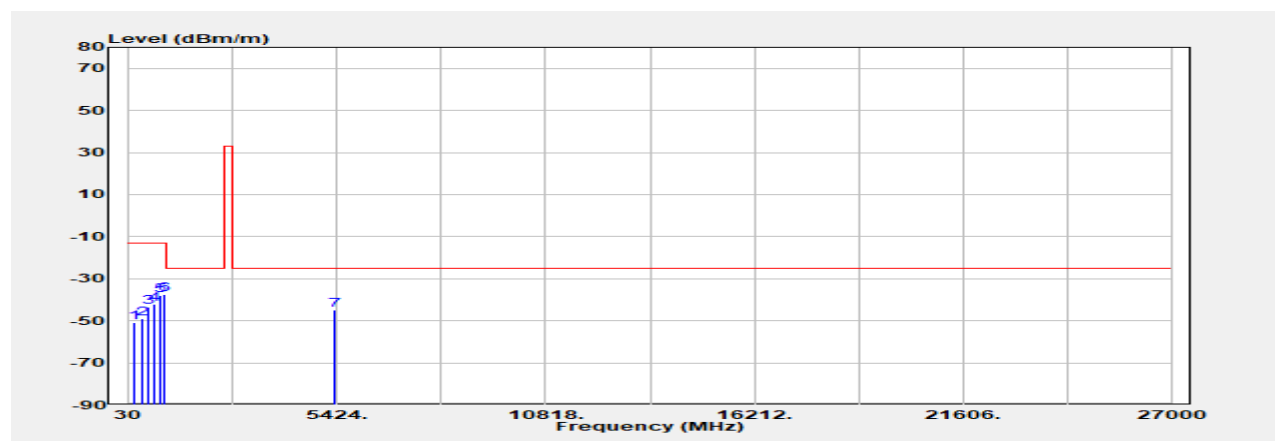
Temp./Humi. :21.7/70

EUT Pol :E1 Plane

Antenna Pol. :Horizontal

Test Frequency :2680 MHz

Engineer :Quentin Liu



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
154.160	-50.68	-46.45	-1.41	-2.82	-13.00	-37.68
350.100	-48.79	-50.08	4.54	-3.25	-13.00	-35.79
551.860	-43.68	-44.80	4.20	-3.08	-13.00	-30.68
706.090	-42.08	-42.22	3.49	-3.35	-13.00	-29.08
857.410	-38.14	-38.80	4.58	-3.92	-13.00	-25.14
950.530	-37.70	-37.07	3.80	-4.43	-13.00	-24.70
5360.000	-44.91	-46.95	13.38	-11.34	-25.00	-19.91

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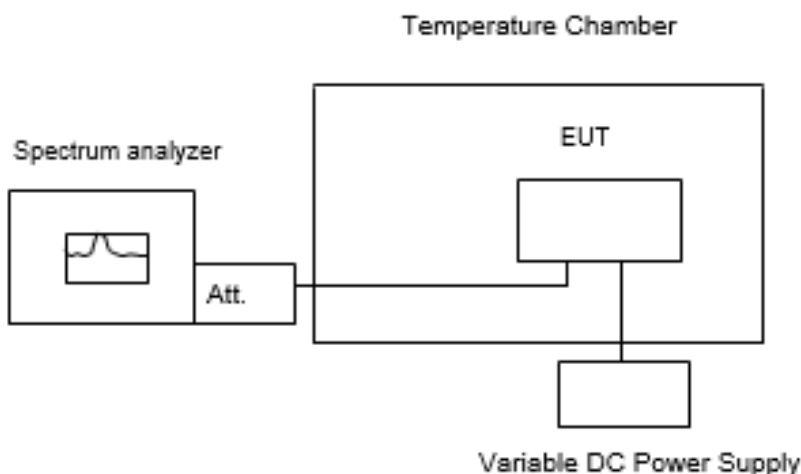
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11 FREQUENCY STABILITY MEASUREMENT

11.1 Standard Applicabl

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

11.2 Test Set-up



Note: Measurement setup for testing on Antenna connector

11.3 Measurement Procedure

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

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

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

11.4 Measurement Result

Note: The battery is rated 3.8V dc.

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Reference Freq.:		LTE B2 Mid Channel		1880.0000	MHz	10M QPSK CH 18900
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
4.37	25	1880.000013	0.0067	+/- 2.5 ppm		
3.8	25	1880.000008	0.0042			
3.23	25	1879.999986	-0.0072			
3.4 (End Point)	25	1879.999992	-0.0043			
Freq. ERROR vs. Temp.						
3.8	-30	1880.000007	0.0038	+/- 2.5 ppm		
3.8	-20	1879.999981	-0.0104			
3.8	-10	1880.000001	0.0007			
3.8	0	1880.000019	0.0098			
3.8	10	1880.000011	0.0060			
3.8	20	1879.999986	-0.0075			
3.8	30	1880.000000	-0.0002			
3.8	40	1879.999985	-0.0078			
3.8	50	1880.000014	0.0073			
Reference Freq.:		LTE B4 Mid Channel		1732.5000	MHz	10M QPSK CH 20175
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
4.37	25	1732.500010	0.0058	+/- 2.5 ppm		
3.8	25	1732.500012	0.0066			
3.23	25	1732.499998	-0.0010			
3.4 (End Point)	25	1732.499988	-0.0072			
Freq. ERROR vs. Temp.						
3.8	-30	1732.500001	0.0006	+/- 2.5 ppm		
3.8	-20	1732.500014	0.0079			
3.8	-10	1732.499994	-0.0037			
3.8	0	1732.500003	0.0018			
3.8	10	1732.500020	0.0115			
3.8	20	1732.500005	0.0028			
3.8	30	1732.500016	0.0089			
3.8	40	1732.500013	0.0073			
3.8	50	1732.499997	-0.0016			

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Reference Freq.:		LTE B5 Mid Channel		836.5000	MHz	10M QPSK CH 20525
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
4.37	25	836.500012	0.0145	+/- 2.5 ppm		
3.8	25	836.500017	0.0202			
3.23	25	836.499994	-0.0077			
3.4 (End Point)	25	836.500005	0.0065			
Freq. ERROR vs. Temp.						
3.8	-30	836.499990	-0.0116	+/- 2.5 ppm		
3.8	-20	836.499997	-0.0031			
3.8	-10	836.500019	0.0228			
3.8	0	836.500011	0.0128			
3.8	10	836.499989	-0.0130			
3.8	20	836.500019	0.0224			
3.8	30	836.500001	0.0017			
3.8	40	836.499980	-0.0234			
3.8	50	836.499989	-0.0130			
Reference Freq.:		LTE B12 Mid Channel		707.5000	MHz	10M QPSK CH 23095
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit		
Freq. ERROR vs. VOLTAGE						
4.37	25	707.500006	0.0081	+/- 2.5 ppm		
3.8	25	707.499985	-0.0209			
3.23	25	707.500016	0.0226			
3.4 (End Point)	25	707.500001	0.0018			
Freq. ERROR vs. Temp.						
3.8	-30	707.500019	0.0261	+/- 2.5 ppm		
3.8	-20	707.499997	-0.0042			
3.8	-10	707.499985	-0.0218			
3.8	0	707.500006	0.0079			
3.8	10	707.500013	0.0185			
3.8	20	707.499987	-0.0187			
3.8	30	707.500013	0.0189			
3.8	40	707.500004	0.0058			
3.8	50	707.500017	0.0239			

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Reference Freq.:		LTE B17 Mid Channel		710.0000	MHz 10M QPSK CH 23790
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.37	25	710.000020	0.0276	+/- 2.5 ppm	
3.8	25	710.000019	0.0270		
3.23	25	709.999984	-0.0231		
3.4 (End Point)	25	710.000020	0.0282		
Freq. ERROR vs. Temp.					
3.8	-30	710.000006	0.0085	+/- 2.5 ppm	
3.8	-20	709.999983	-0.0246		
3.8	-10	710.000019	0.0270		
3.8	0	709.999981	-0.0265		
3.8	10	709.999991	-0.0130		
3.8	20	710.000007	0.0100		
3.8	30	709.999990	-0.0138		
3.8	40	710.000007	0.0094		
3.8	50	710.000010	0.0137		
Reference Freq.:		LTE B26 Mid Channel		831.5000	MHz 10M QPSK CH 26865
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.37	25	831.500018	0.0214	+/- 2.5 ppm	
3.8	25	831.500004	0.0046		
3.23	25	831.499983	-0.0201		
3.4 (End Point)	25	831.500004	0.0046		
Freq. ERROR vs. Temp.					
3.8	-30	831.499995	-0.0065	+/- 2.5 ppm	
3.8	-20	831.500019	0.0226		
3.8	-10	831.500006	0.0073		
3.8	0	831.499998	-0.0030		
3.8	10	831.500000	0.0005		
3.8	20	831.500014	0.0171		
3.8	30	831.499985	-0.0186		
3.8	40	831.499981	-0.0230		
3.8	50	831.500005	0.0059		

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Reference Freq.:		Part 90 LTE B26 Mid Channel		819.0000	MHz 10M QPSK CH 26740
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE (LTE B26 for Part 90S)					
4.37	25	818.999997	-0.0040	+/- 2.5 ppm	
3.8	25	818.999981	-0.0232		
3.23	25	819.000020	0.0238		
3.4 (End Point)	25	818.999981	-0.0233		
Freq. ERROR vs. Temp.					
3.8	-30	818.999984	-0.0192	+/- 2.5 ppm	
3.8	-20	818.999987	-0.0155		
3.8	-10	819.000000	0.0001		
3.8	0	818.999999	-0.0009		
3.8	10	819.000018	0.0216		
3.8	20	818.999992	-0.0100		
3.8	30	818.999985	-0.0181		
3.8	40	819.000014	0.0167		
3.8	50	818.999994	-0.0072		
Reference Freq.:		LTE B41 Mid Channel		2593.0000	MHz 10M QPSK CH 40620
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	(ppm)	Limit	
Freq. ERROR vs. VOLTAGE					
4.37	25	2593.000020	0.0076	+/- 2.5 ppm	
3.8	25	2593.000005	0.0021		
3.23	25	2593.000017	0.0065		
3.4 (End Point)	25	2592.999984	-0.0061		
Freq. ERROR vs. Temp.					
3.8	-30	2592.999993	-0.0026	+/- 2.5 ppm	
3.8	-20	2593.000017	0.0065		
3.8	-10	2592.999998	-0.0007		
3.8	0	2593.000007	0.0026		
3.8	10	2592.999990	-0.0038		
3.8	20	2592.999980	-0.0077		
3.8	30	2592.999998	-0.0007		
3.8	40	2592.999991	-0.0035		
3.8	50	2593.000006	0.0023		

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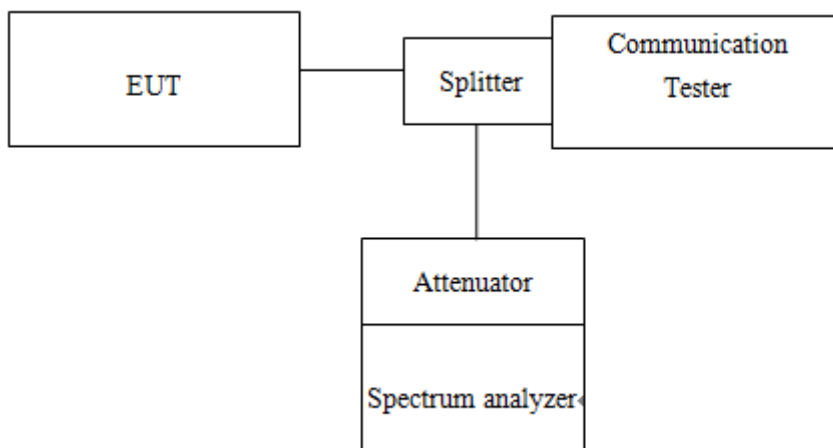
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12 PEAK TO AVERAGE RATIO

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 properly 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 BAND 2							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1850.7	18607	6.72	13	1851.5	18615	6.56	13
1880.0	18900	6.83	13	1880.0	18900	6.51	13
1909.3	19193	6.35	13	1908.5	19185	6.29	13

LTE BAND 2							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1852.5	18625	6.47	13	1855.0	18650	6.90	13
1880.0	18900	6.93	13	1880.0	18900	6.34	13
1907.5	19175	6.49	13	1905.0	19150	6.96	13

LTE BAND 2							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1857.5	18675	6.70	13	1860.0	18700	6.33	13
1880.0	18900	6.07	13	1880.0	18900	6.76	13
1902.5	19125	6.24	13	1900.0	19100	6.53	13

LTE BAND 4							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1710.7	19957	6.80	13	1711.5	19965	6.77	13
1732.5	20175	5.64	13	1732.5	20175	6.17	13
1754.3	20393	6.82	13	1753.5	20385	6.59	13

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LTE BAND 4							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1712.5	19975	7.08	13	1715.0	20000	7.02	13
1732.5	20175	5.88	13	1732.5	20175	5.99	13
1752.5	20375	6.56	13	1750.0	20350	6.72	13

LTE BAND 4							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
1717.5	20025	6.63	13	1720.0	20050	6.38	13
1732.5	20175	5.82	13	1732.5	20175	5.98	13
1747.5	20325	6.26	13	1745.0	20300	6.47	13

LTE BAND 5							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
824.7	20407	6.19	13	825.5	20415	5.97	13
836.5	20525	6.27	13	836.5	20525	6.16	13
848.3	20643	5.93	13	847.5	20635	6.75	13

LTE BAND 5							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
826.5	20425	5.89	13	829.0	20450	6.30	13
836.5	20525	6.17	13	836.5	20525	6.33	13
846.5	20625	6.35	13	844.0	20600	6.27	13

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LTE BAND 12							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
699.7	23017	6.90	13	700.5	23025	5.99	13
707.5	23095	6.70	13	707.5	23095	6.86	13
715.3	23173	6.76	13	714.5	23165	7.25	13

LTE BAND 12							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
701.5	23035	6.52	13	704.0	23060	6.45	13
707.5	23095	6.73	13	707.5	23095	6.28	13
713.5	23155	6.45	13	711.0	23130	6.49	13

LTE BAND 17							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
706.5	23755	6.37	13	709.0	23780	6.40	13
710.0	23790	6.43	13	710.0	23790	6.17	13
713.5	23825	6.35	13	711.0	23800	6.74	13

LTE BAND 26							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
814.7	26697	5.78	13	815.5	26705	5.85	13
831.5	26865	6.33	13	831.5	26865	6.41	13
848.3	27033	6.07	13	847.5	27025	6.21	13

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LTE BAND 26							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
816.5	26715	6.40	13	820.0	26750	6.45	13
831.5	26865	6.45	13	831.5	26865	6.79	13
846.5	27015	5.97	13	844.0	26990	6.34	13

LTE BAND 26							
Channel bandwidth: 15MHz							
Freq. (MHz)	CH	PAPR (dB)				PAPR (dB)	
		64QAM	Limit			64QAM	Limit
822.5	26775	6.04	13				
831.5	26865	6.41	13				
841.5	26965	6.18	13				

LTE BAND 26 for part 90S							
Channel bandwidth: 1.4MHz				Channel bandwidth: 3MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
814.7	26697	6.31	13	815.5	26705	6.22	13
819.0	26740	6.58	13	819	26740	6.78	13
823.3	26783	5.37	13	822.5	26775	6.68	13

LTE BAND 26 for part 90S							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
816.5	26715	7.10	13	819.0	26740	6.78	13
819.0	26740	6.61	13				
821.5	26765	6.49	13				

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LTE BAND 41							
Channel bandwidth: 5MHz				Channel bandwidth: 10MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
2498.5	39675	10.71	13	2501.0	39700	6.91	13
2593.0	40620	12.67	13	2593.0	40620	6.65	13
2687.5	41565	8.52	13	2685.0	41540	9.75	13

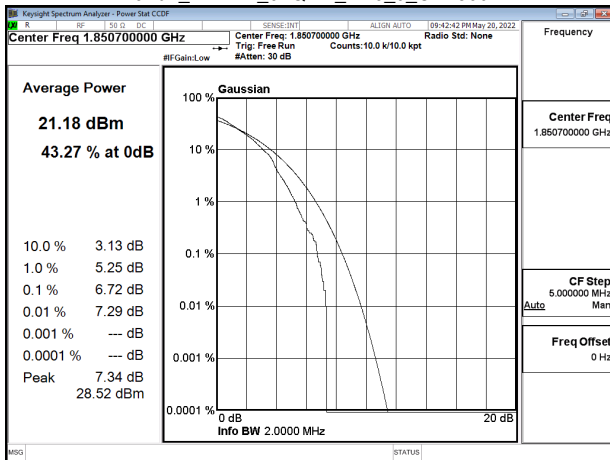
LTE BAND 41							
Channel bandwidth: 15MHz				Channel bandwidth: 20MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		64QAM	Limit			64QAM	Limit
2503.5	39725	6.60	13	2506.0	39750	9.27	13
2593.0	40620	7.62	13	2593.0	40620	6.74	13
2682.5	41515	6.38	13	2680.0	41490	6.49	13

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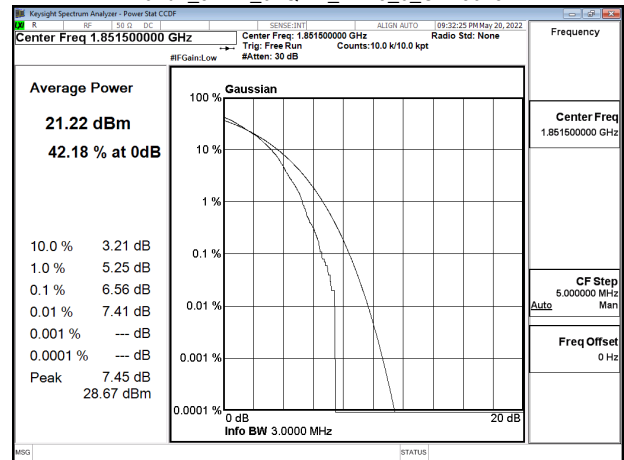
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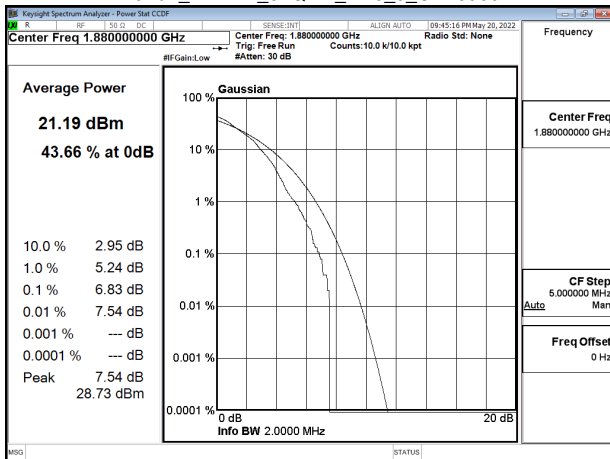
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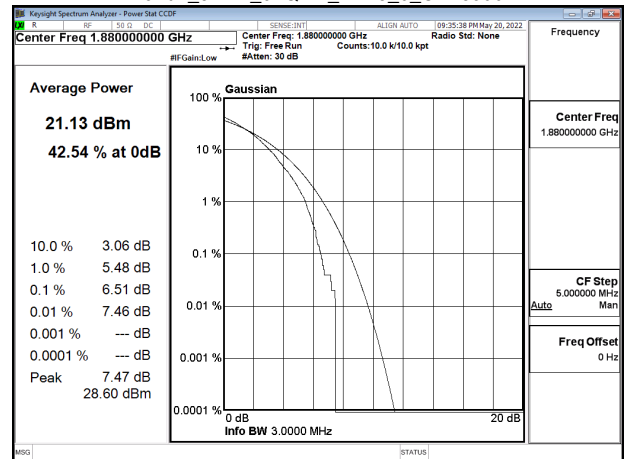
Band2_3MHz_64QAM_RB15_0_CH18615



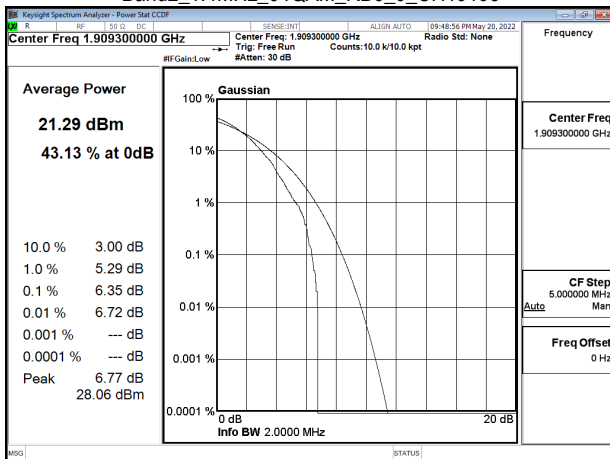
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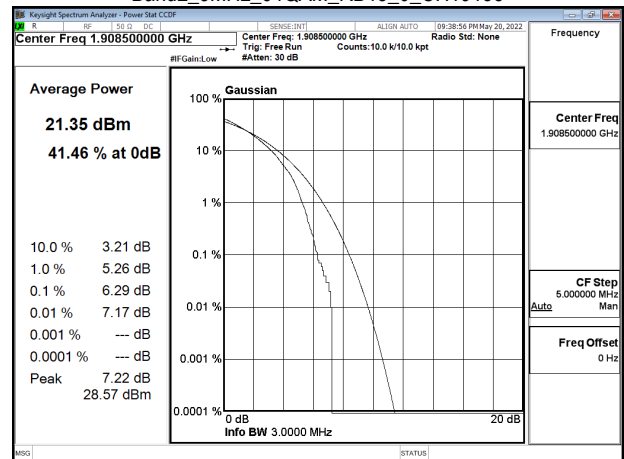
Band2_3MHz_64QAM_RB15_0_CH18900



Band2_1.4MHz_64QAM_RB6_0_CH19193



Band2_3MHz_64QAM_RB15_0_CH19185

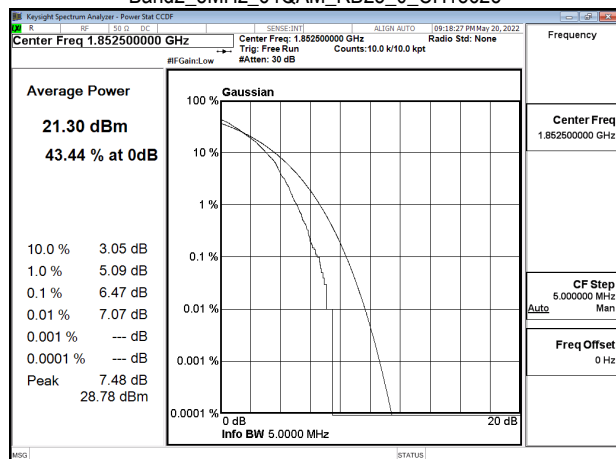


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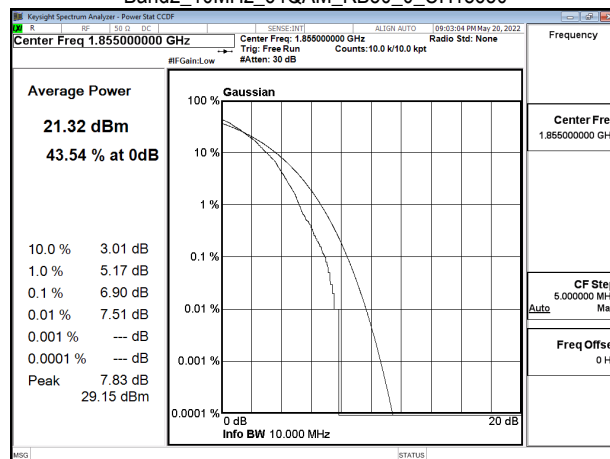
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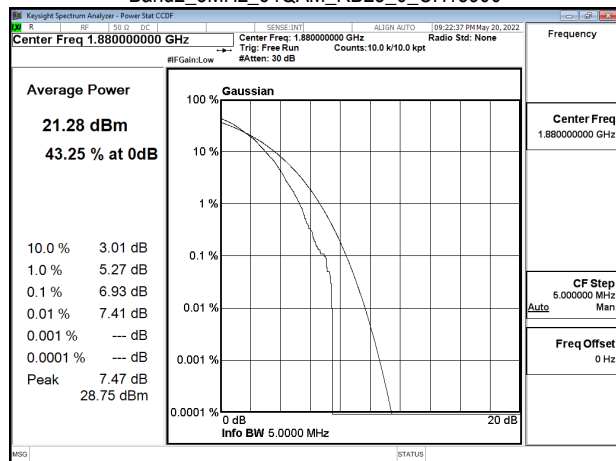
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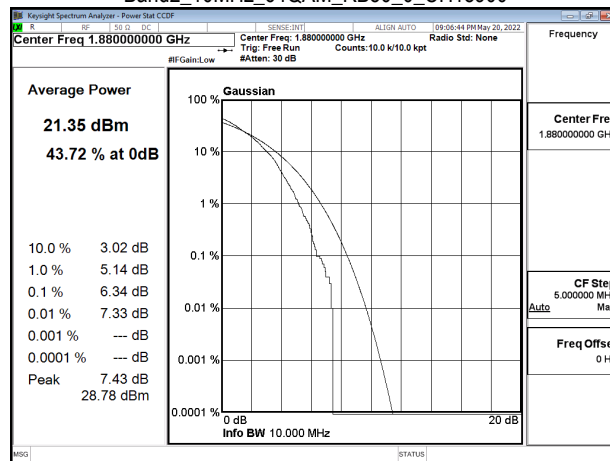
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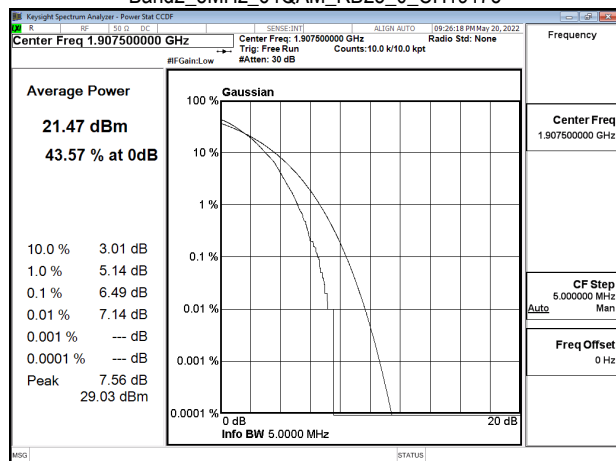
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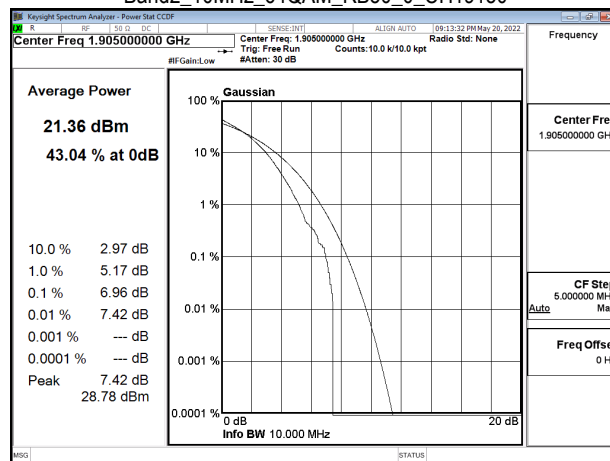
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Band2_5MHz_64QAM_RB25_0_CH19175



Band2_10MHz_64QAM_RB50_0_CH19150

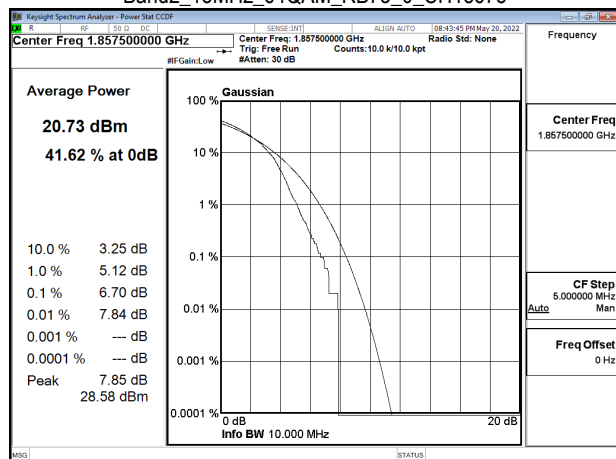


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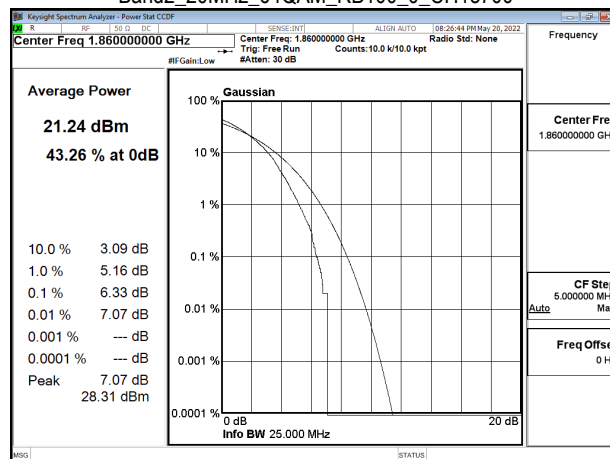
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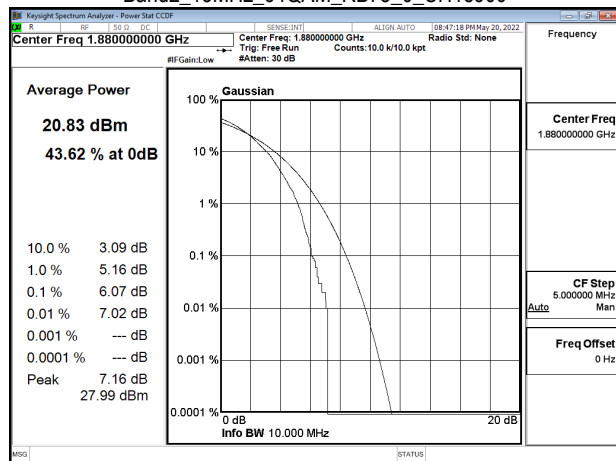
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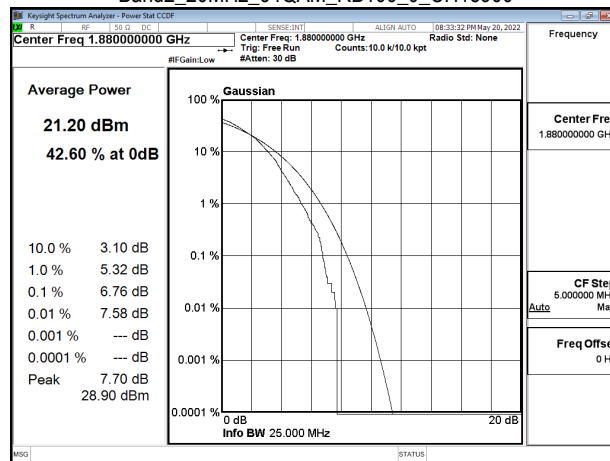
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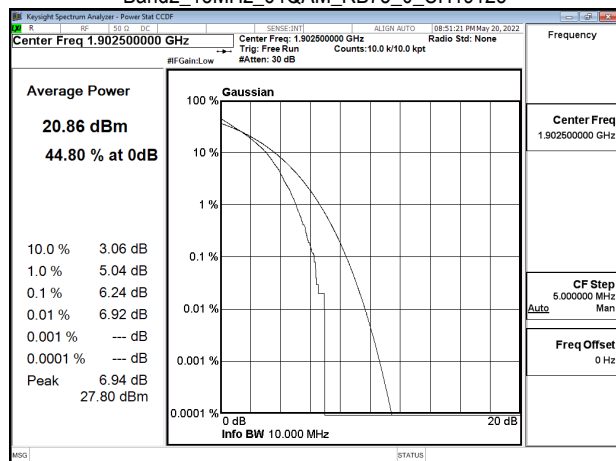
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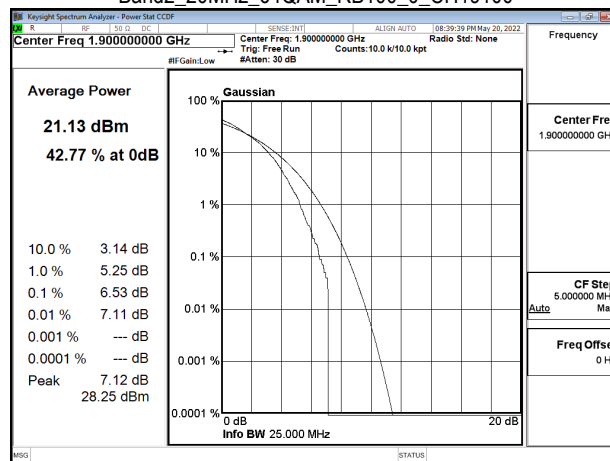
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Band2_15MHz_64QAM_RB75_0_CH19125



Band2_20MHz_64QAM_RB100_0_CH19100

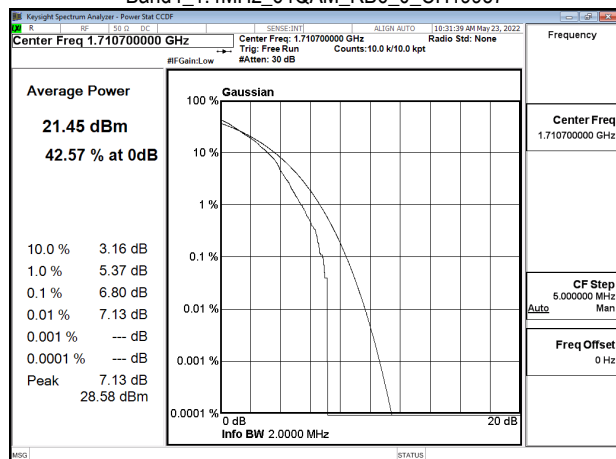


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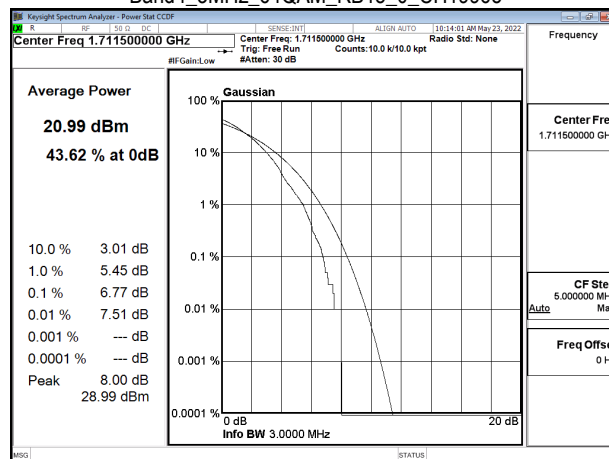
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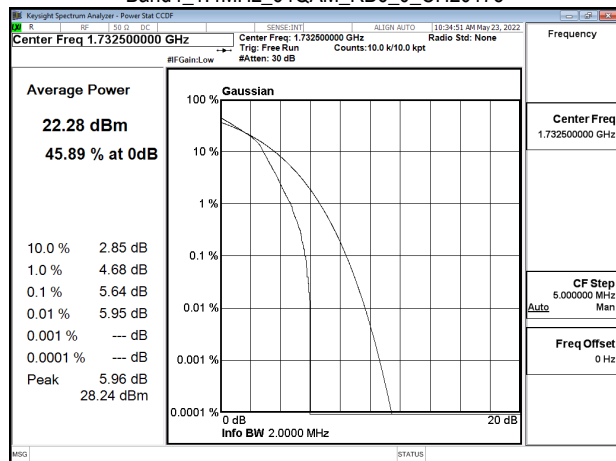
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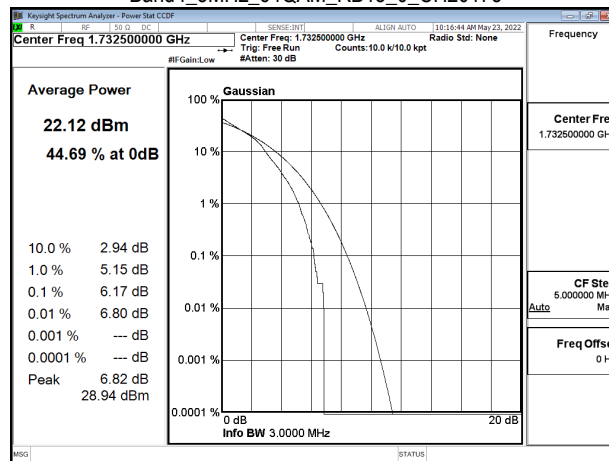
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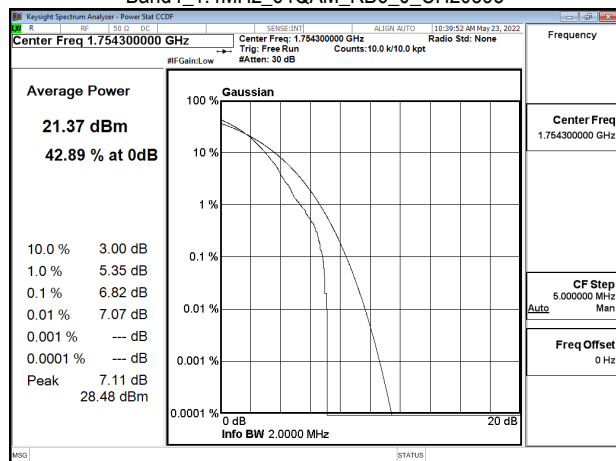
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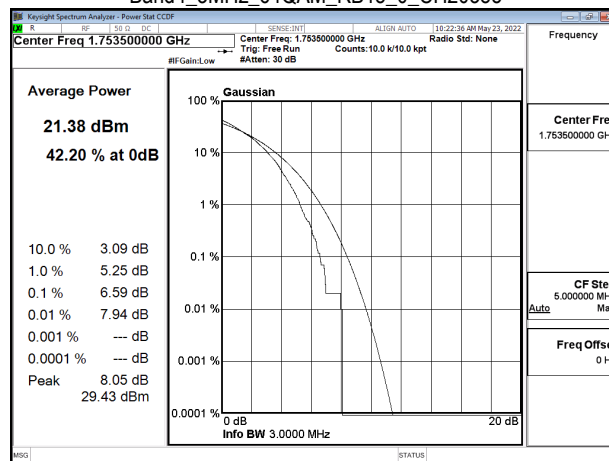
Band4_3MHz_64QAM_RB15_0_CH20175



Band4_1.4MHz_64QAM_RB6_0_CH20393



Band4_3MHz_64QAM_RB15_0_CH20385

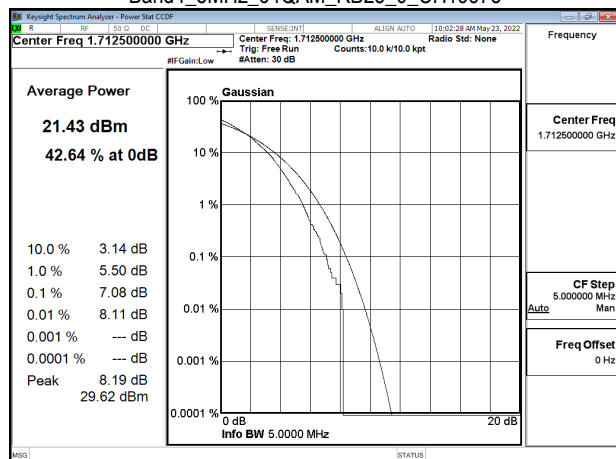


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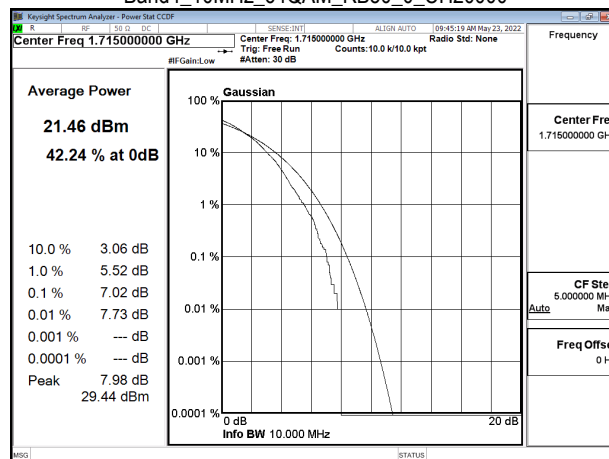
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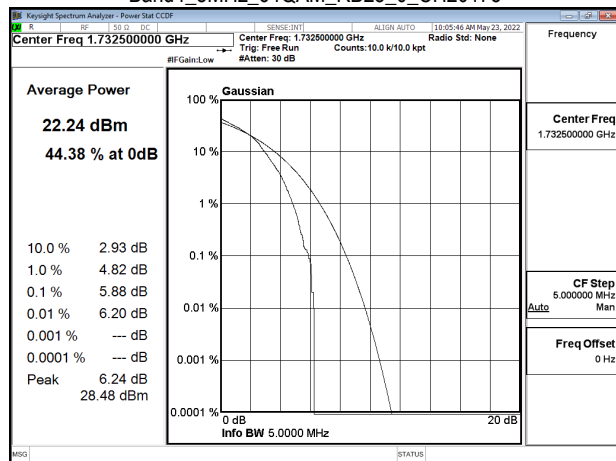
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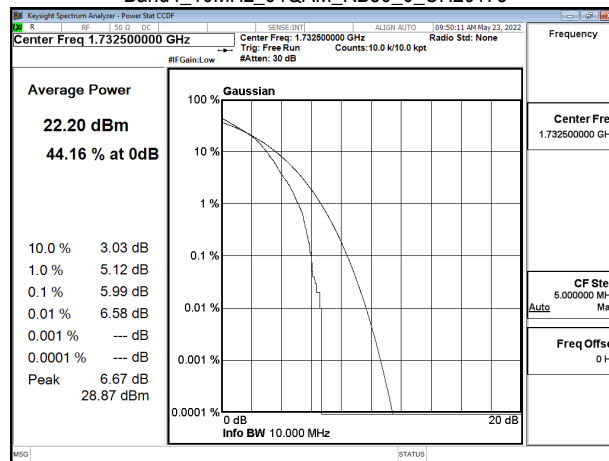
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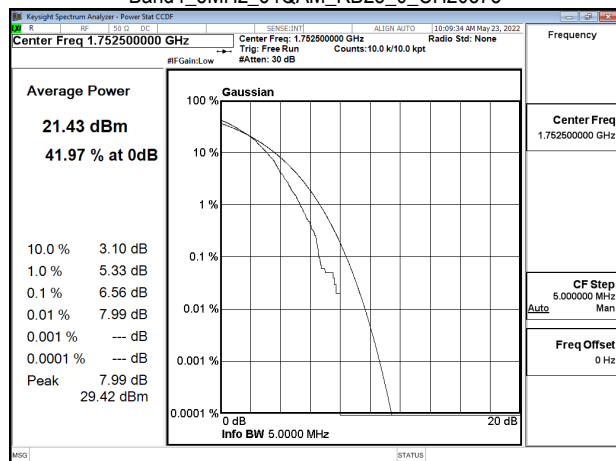
Band4_5MHz_64QAM_RB25_0_CH20175



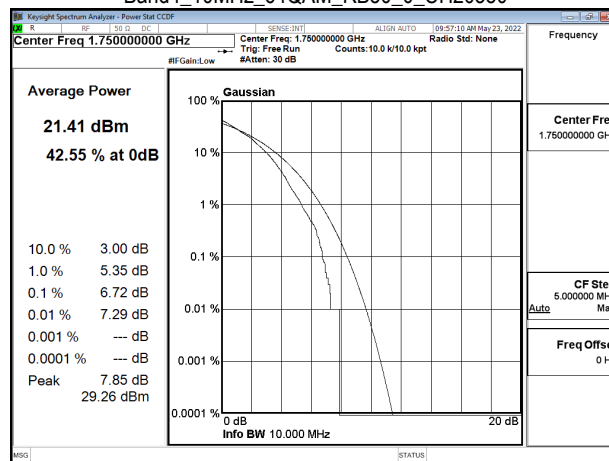
Band4_10MHz_64QAM_RB50_0_CH20175



Band4_5MHz_64QAM_RB25_0_CH20375



Band4_10MHz_64QAM_RB50_0_CH20350

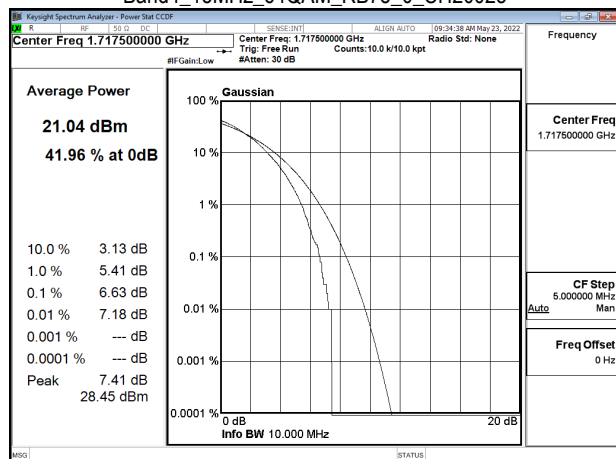


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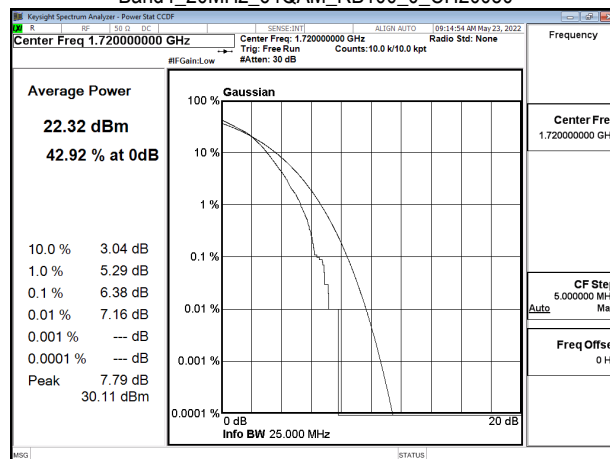
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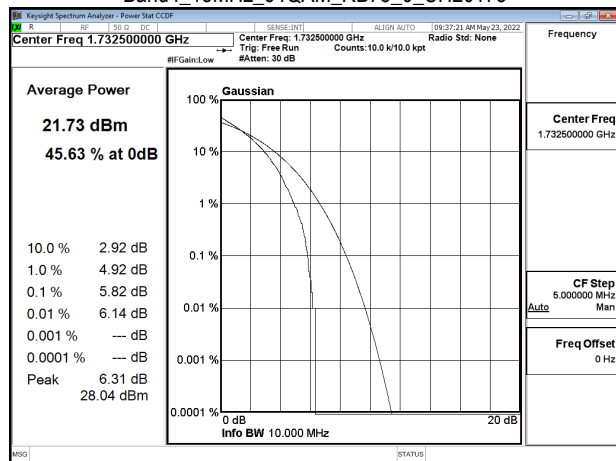
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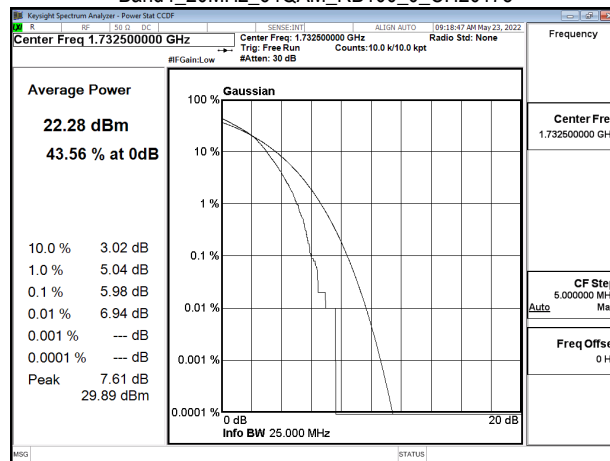
Band4_20MHz_64QAM_RB100_0_CH20050



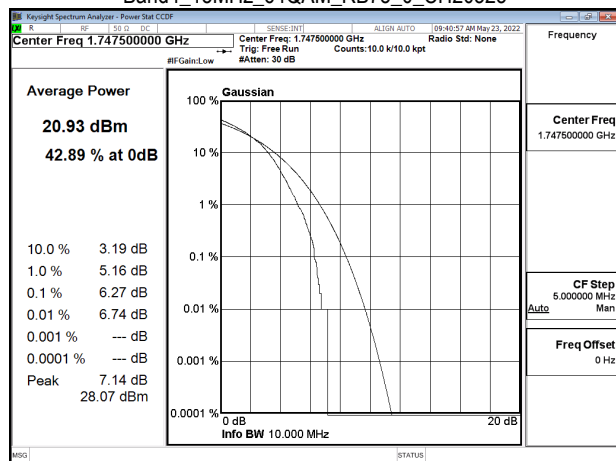
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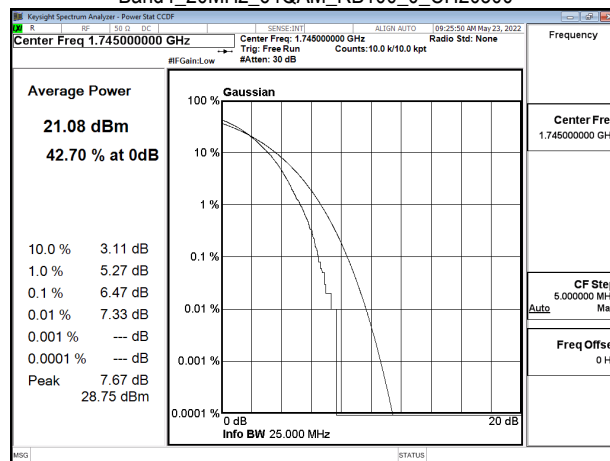
Band4_20MHz_64QAM_RB100_0_CH20175



Band4_15MHz_64QAM_RB75_0_CH20325



Band4_20MHz_64QAM_RB100_0_CH20300

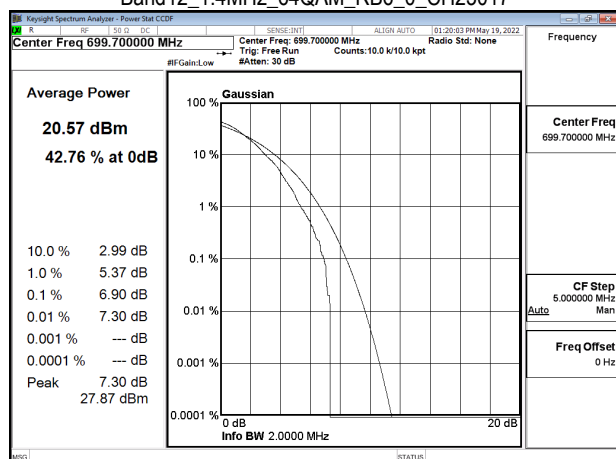


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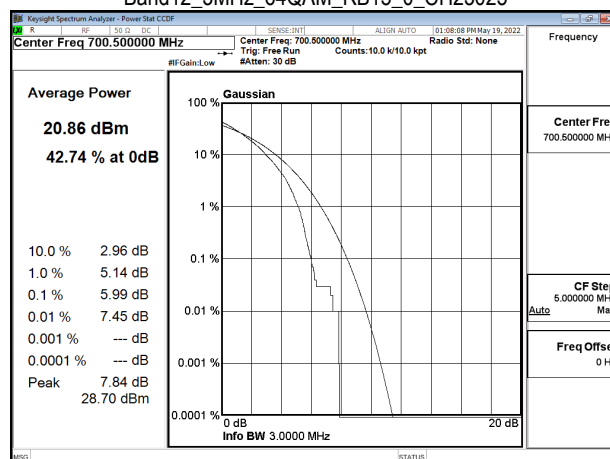
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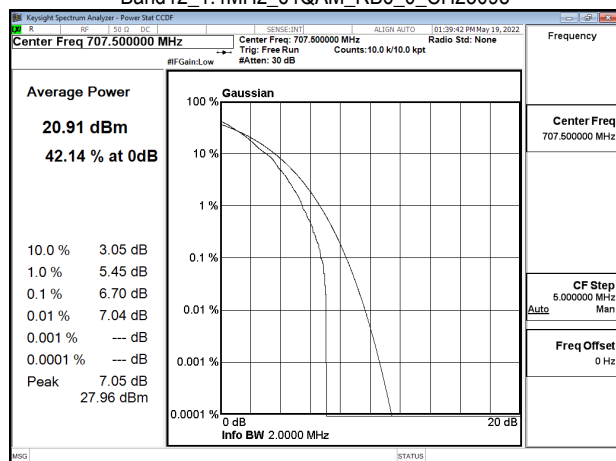
Band12_1.4MHz_64QAM_RB6_0_CH23017



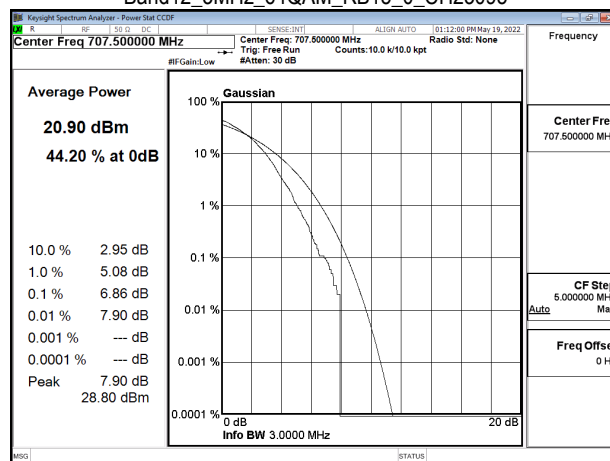
Band12_3MHz_64QAM_RB15_0_CH23025



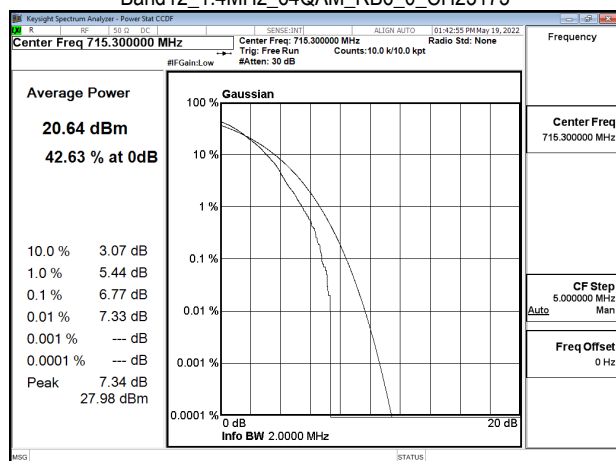
Band12_1.4MHz_64QAM_RB6_0_CH23095



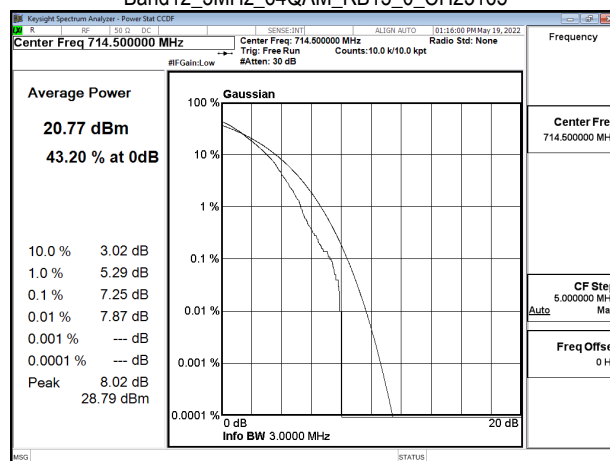
Band12_3MHz_64QAM_RB15_0_CH23095



Band12_1.4MHz_64QAM_RB6_0_CH23173



Band12_3MHz_64QAM_RB15_0_CH23165



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