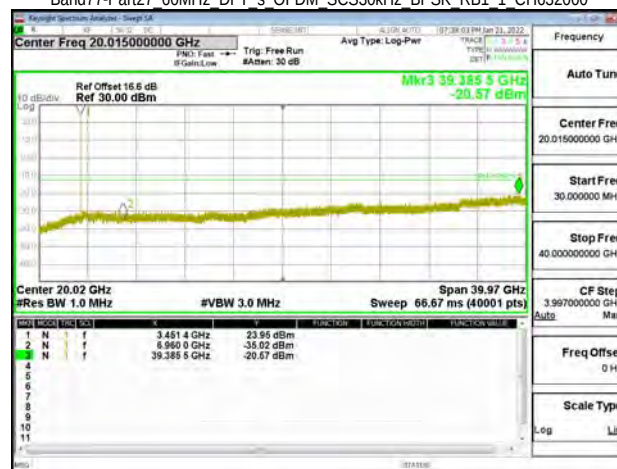


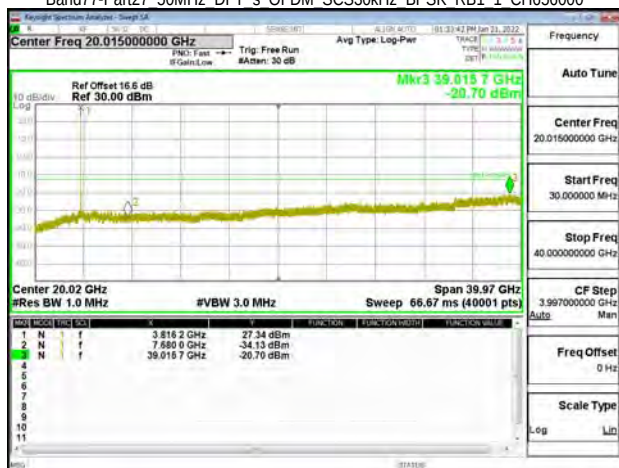
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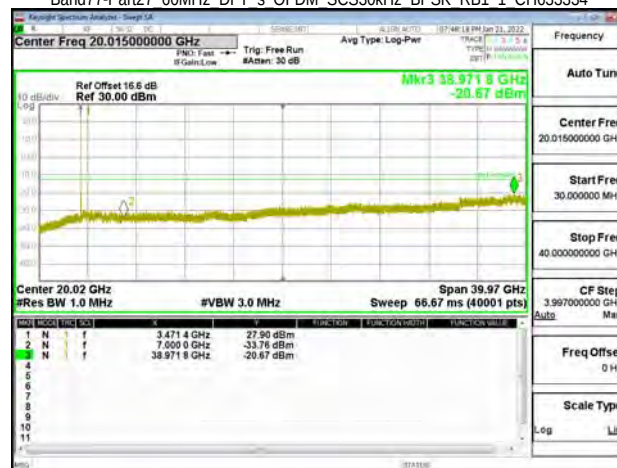
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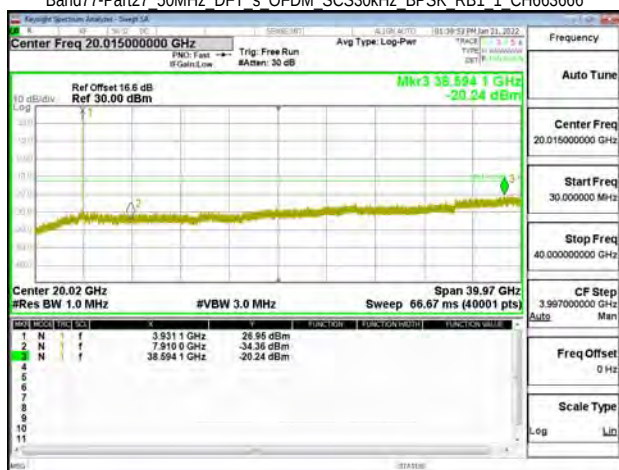
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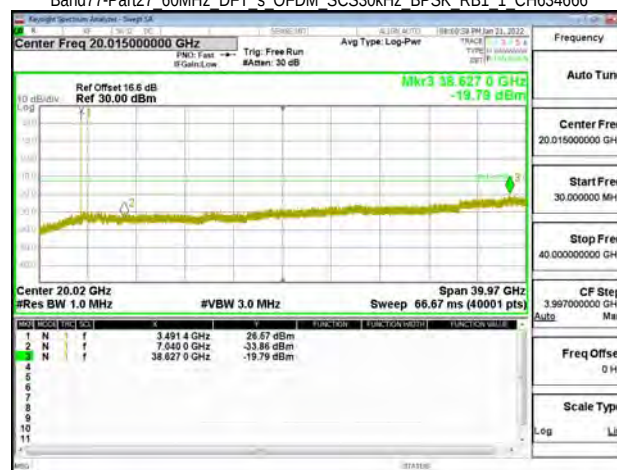
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Band77-Part27 50MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH663666



Band77-Part27 60MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH646666



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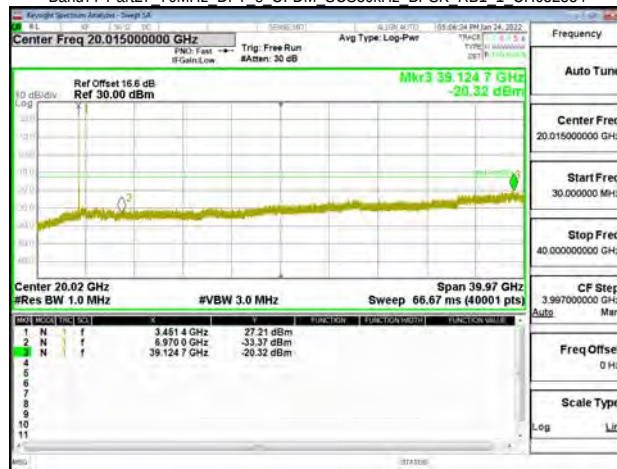
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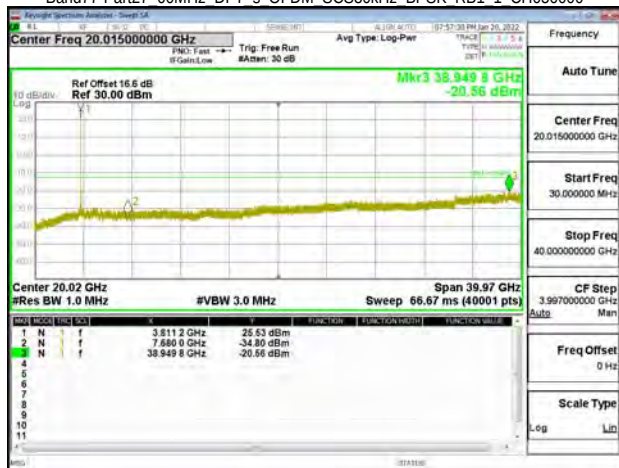
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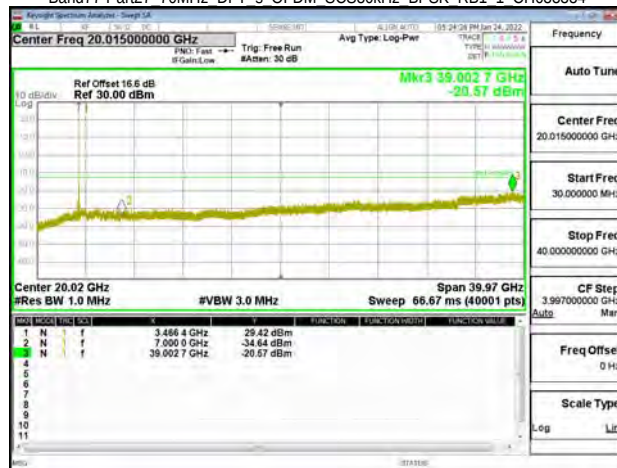
Band77-Part27 70MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH632334



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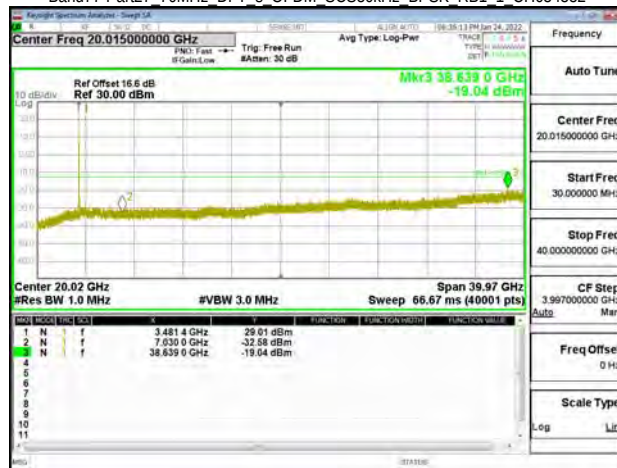
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Band77-Part27 60MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH663332



Band77-Part27 70MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH633332



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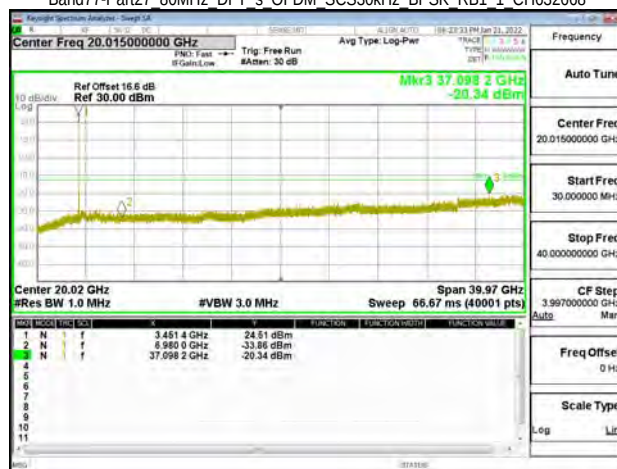
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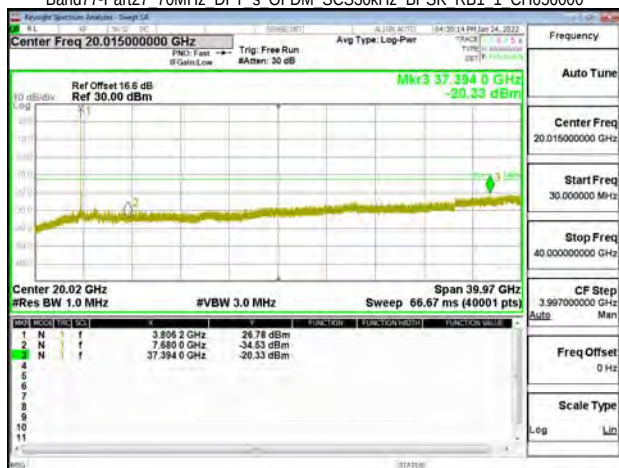
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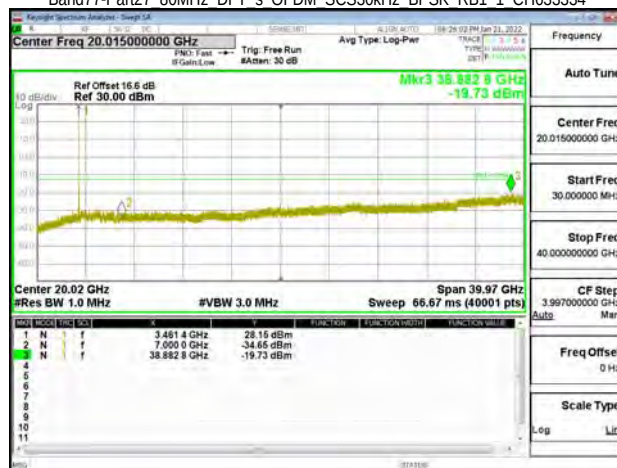
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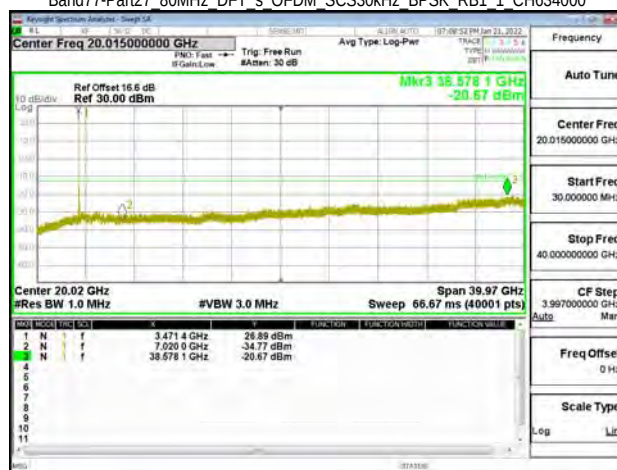
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Band77-Part27 70MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH663000



Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH643000



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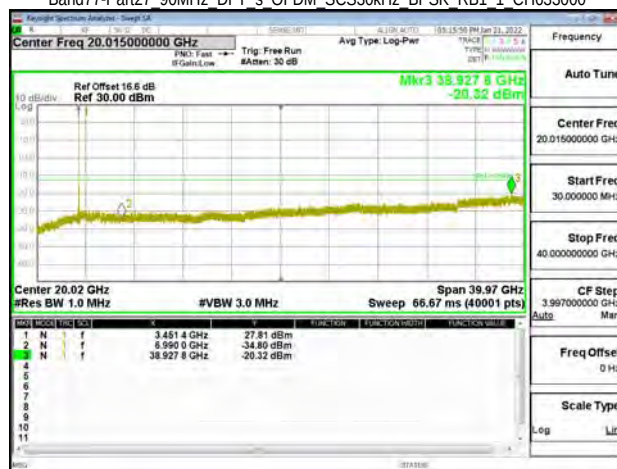
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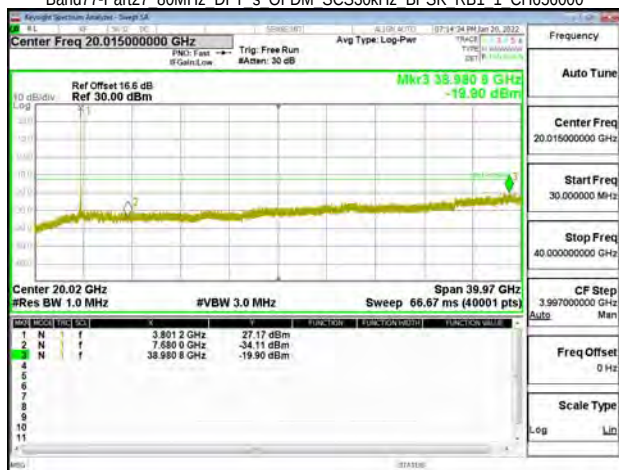
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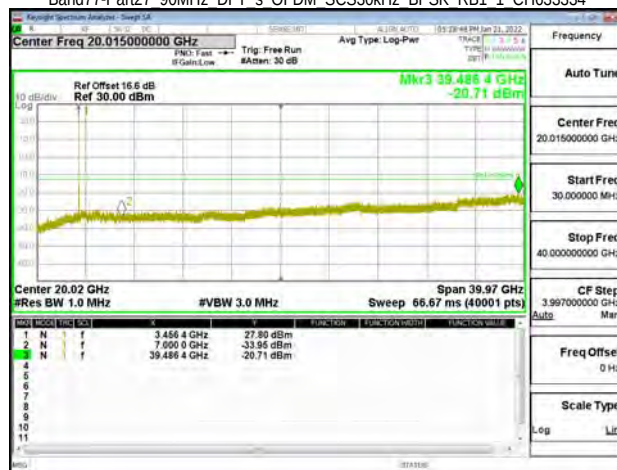
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Band77-Part27 80MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH656000



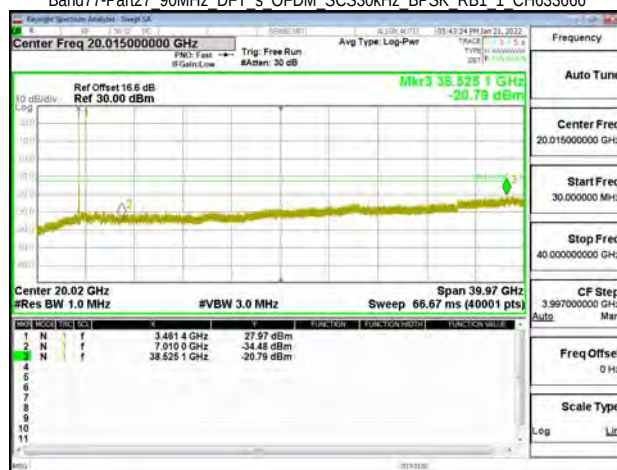
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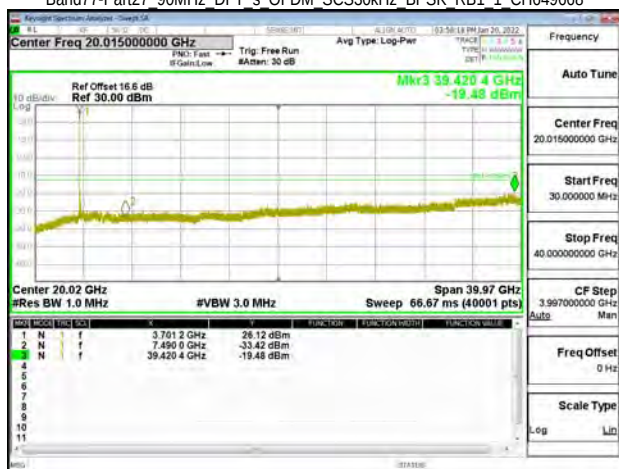


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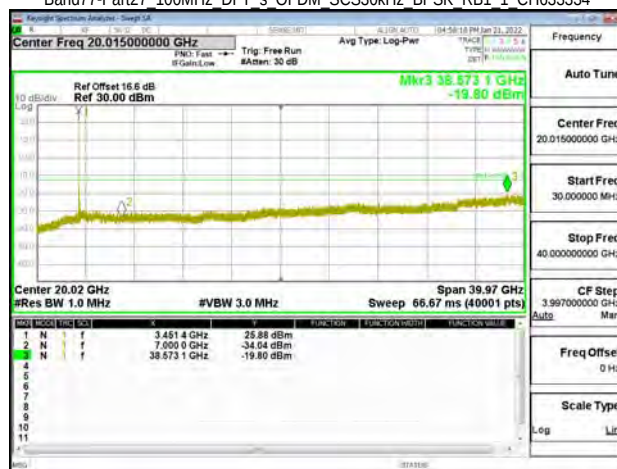
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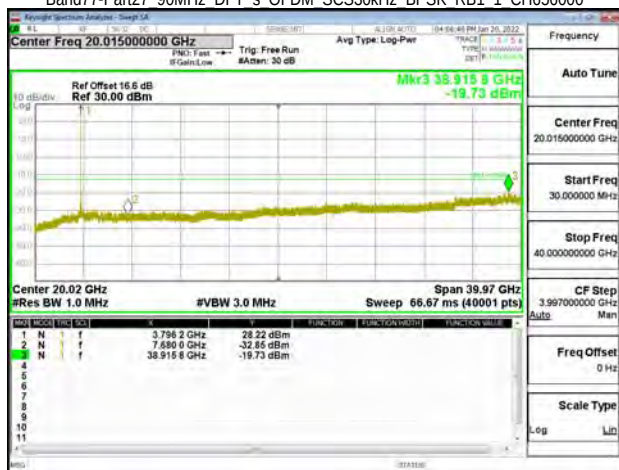
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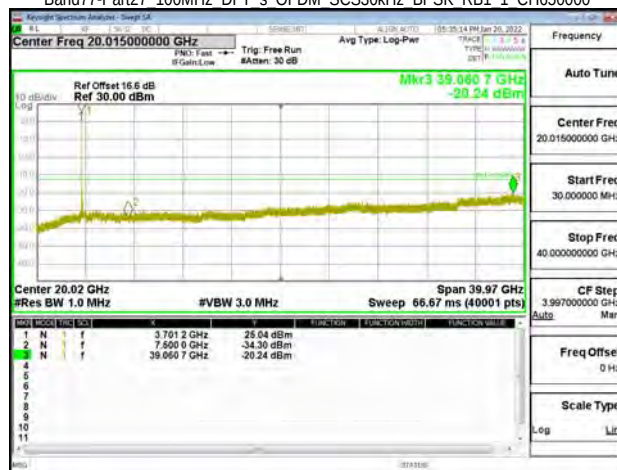
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Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH656000



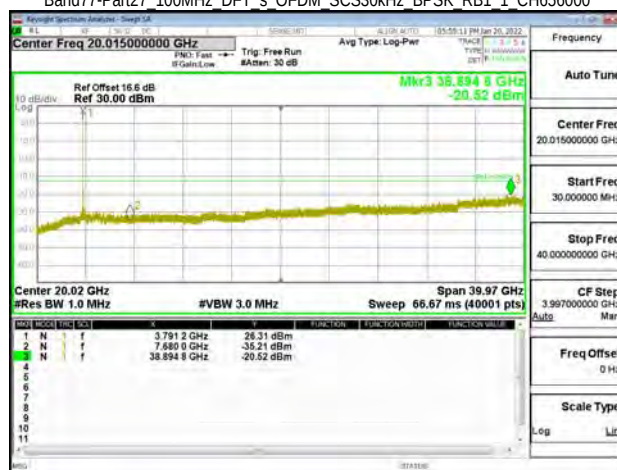
Band77-Part27 100MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH650000



Band77-Part27 90MHz DFT s OFDM SCS30kHz BPSK RB1 1 CH662332



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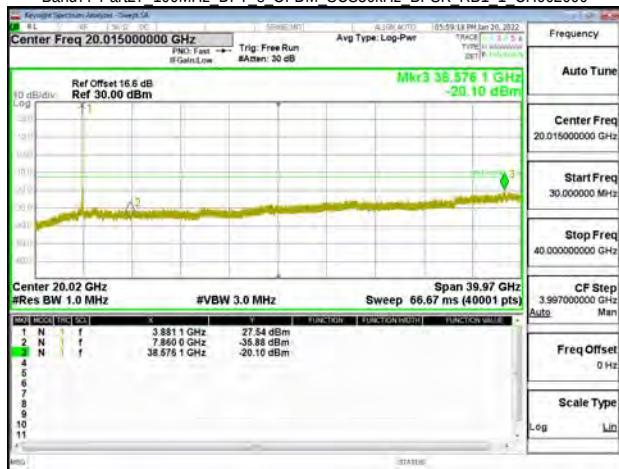


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Band77-Part27 100MHz DFT s OFDM_SCS30kHz BPSK RB1_1 CH662000



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10 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

10.1 Standard Applicable

According to FCC §2.1053,

FCC §27.53(l)(2)

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

FCC §27.53(n)(2)

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

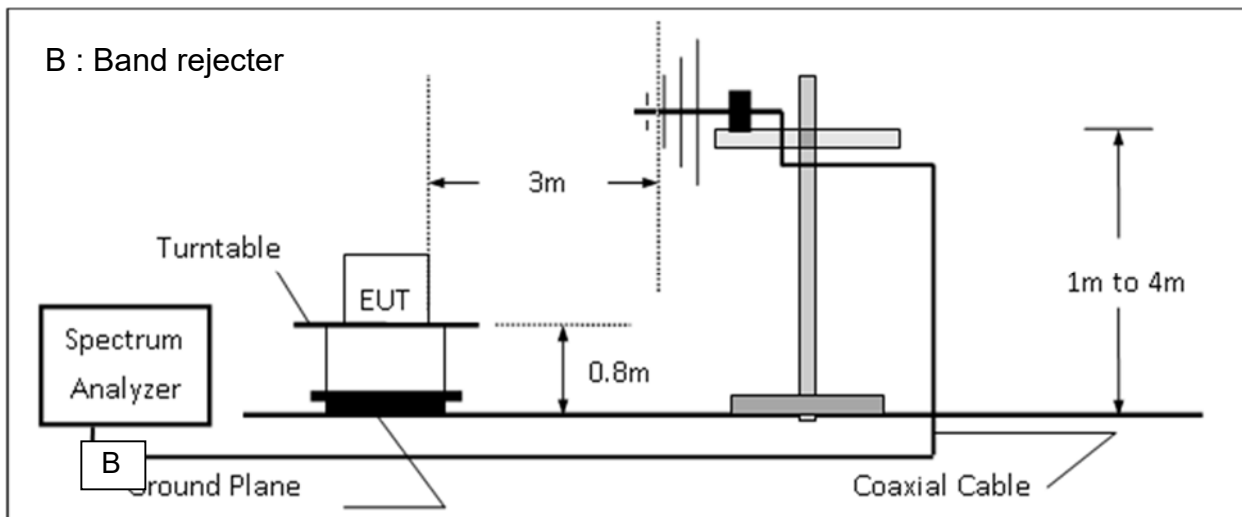
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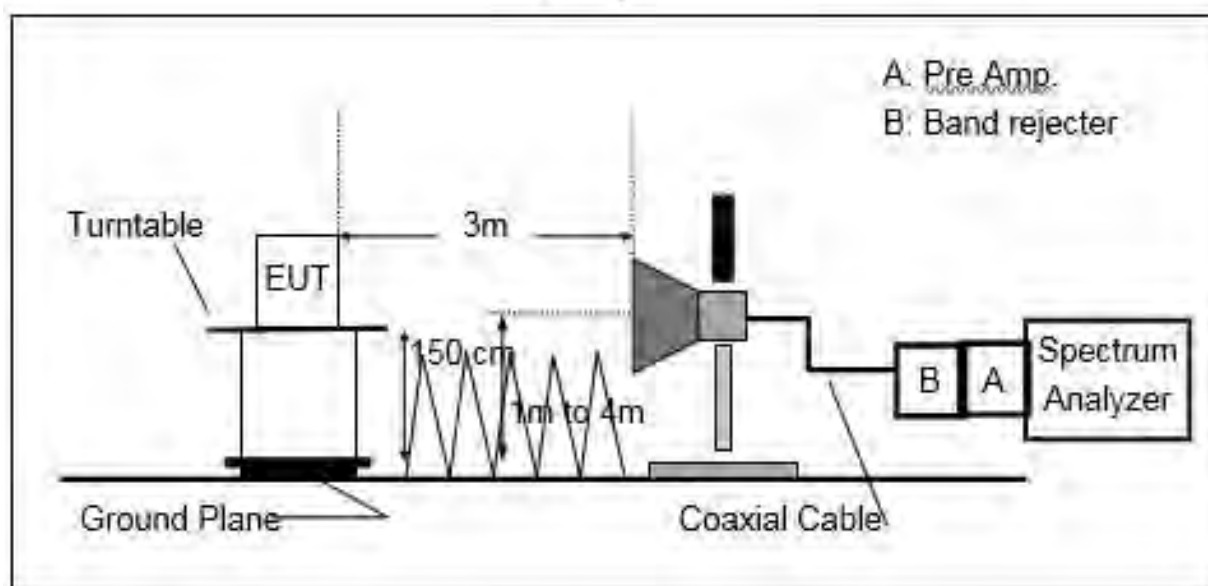
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10.2 EUT Setup

Radiated Emission Test Set-Up, Frequency Below 1000MHz



Radiated Emission Test Set-UP Frequency Over 1 GHz



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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.

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

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

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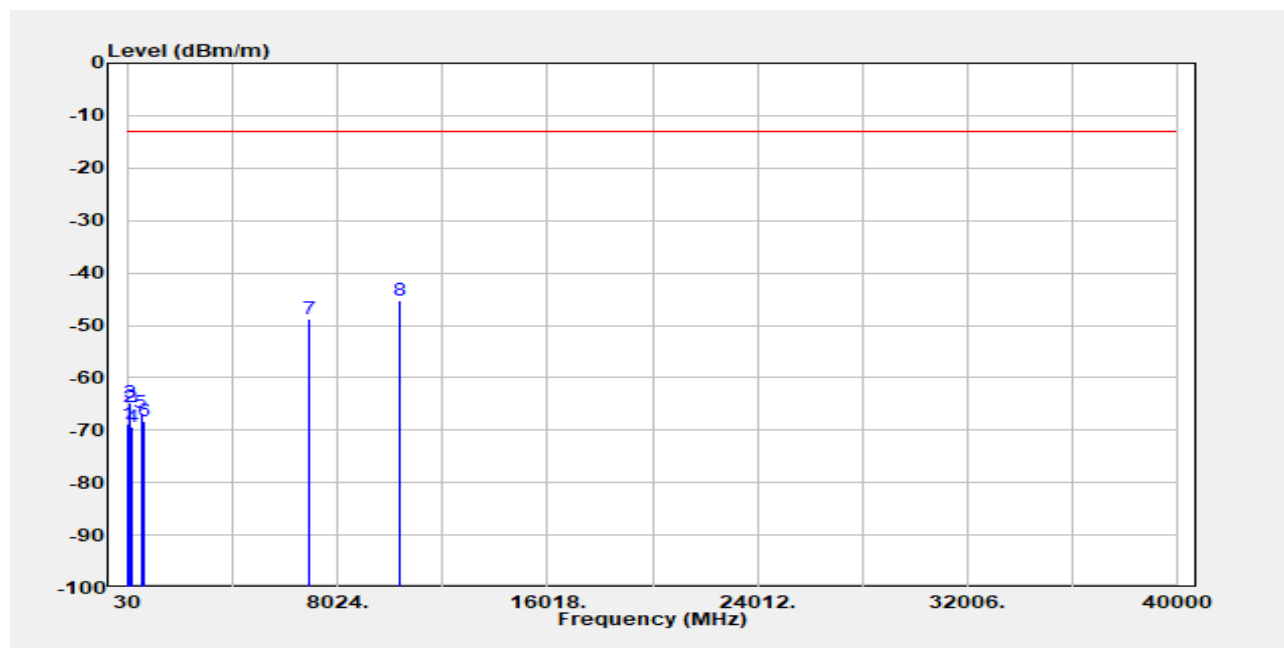
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10.4 Measurement Result:

Report Number :ER/2021/C0138
 Operation Mode :n77
 Test Mode :Tx CH Low
 EUT Pol :H Plane
 Test Frequency :3465 MHz

Test Site :SAC 1
 Test Date :2022-01-26
 Temp./Humi. :23.8/68
 Antenna Pol. :Vertical
 Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.47	-68.96	-54.65	-13.67	-0.64	-13.00	-55.96
78.50	-65.59	-61.18	-3.52	-0.89	-13.00	-52.59
99.52	-64.82	-63.09	-0.72	-1.01	-13.00	-51.82
170.65	-69.36	-67.87	-0.21	-1.27	-13.00	-56.36
500.45	-66.72	-68.56	4.25	-2.41	-13.00	-53.72
610.38	-68.26	-69.25	3.48	-2.50	-13.00	-55.26
6930.00	-48.84	-50.76	11.74	-9.82	-13.00	-35.84
10395.00	-45.38	-46.64	11.31	-10.05	-13.00	-32.38

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Low

EUT Pol :H Plane

Test Frequency :3465 MHz

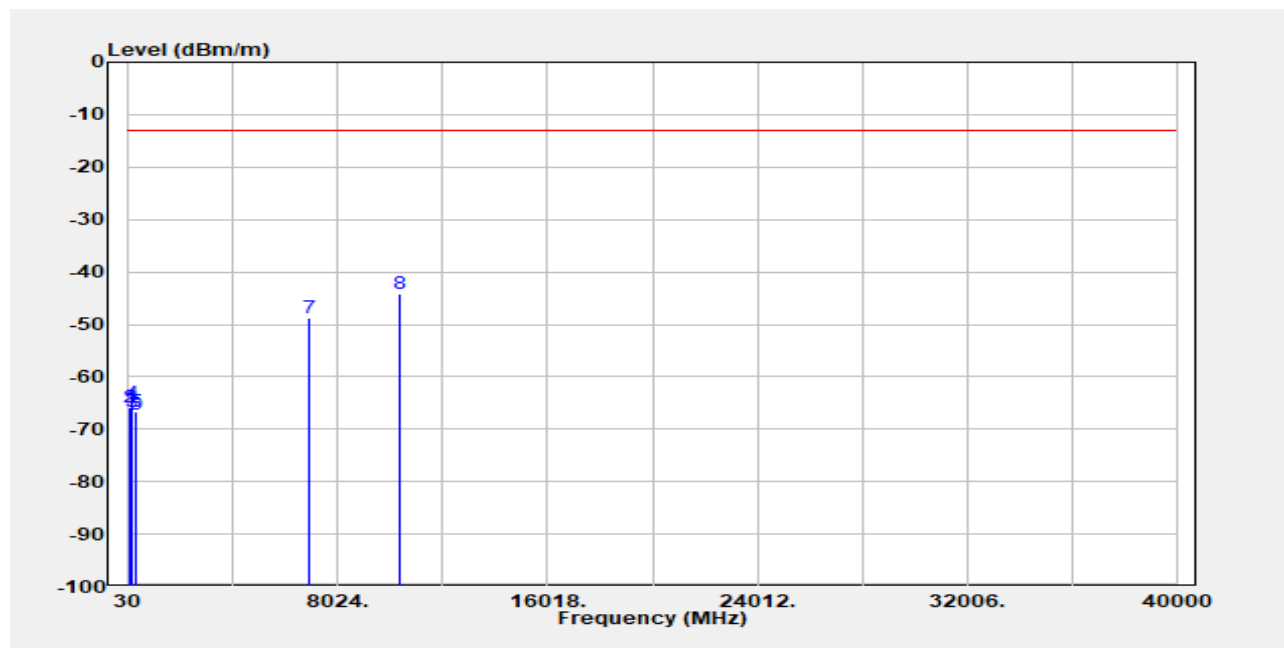
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
78.50	-66.07	-61.66	-3.52	-0.89	-13.00	-53.07
89.82	-65.87	-64.46	-0.43	-0.98	-13.00	-52.87
156.10	-66.65	-64.09	-1.36	-1.21	-13.00	-53.65
170.65	-65.07	-63.59	-0.21	-1.27	-13.00	-52.07
335.55	-66.68	-69.07	4.28	-1.90	-13.00	-53.68
342.02	-67.10	-69.55	4.36	-1.92	-13.00	-54.10
6930.00	-48.85	-50.77	11.74	-9.82	-13.00	-35.85
10395.00	-44.22	-45.48	11.31	-10.05	-13.00	-31.22

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Mid

EUT Pol :H Plane

Test Frequency :3500.01 MHz

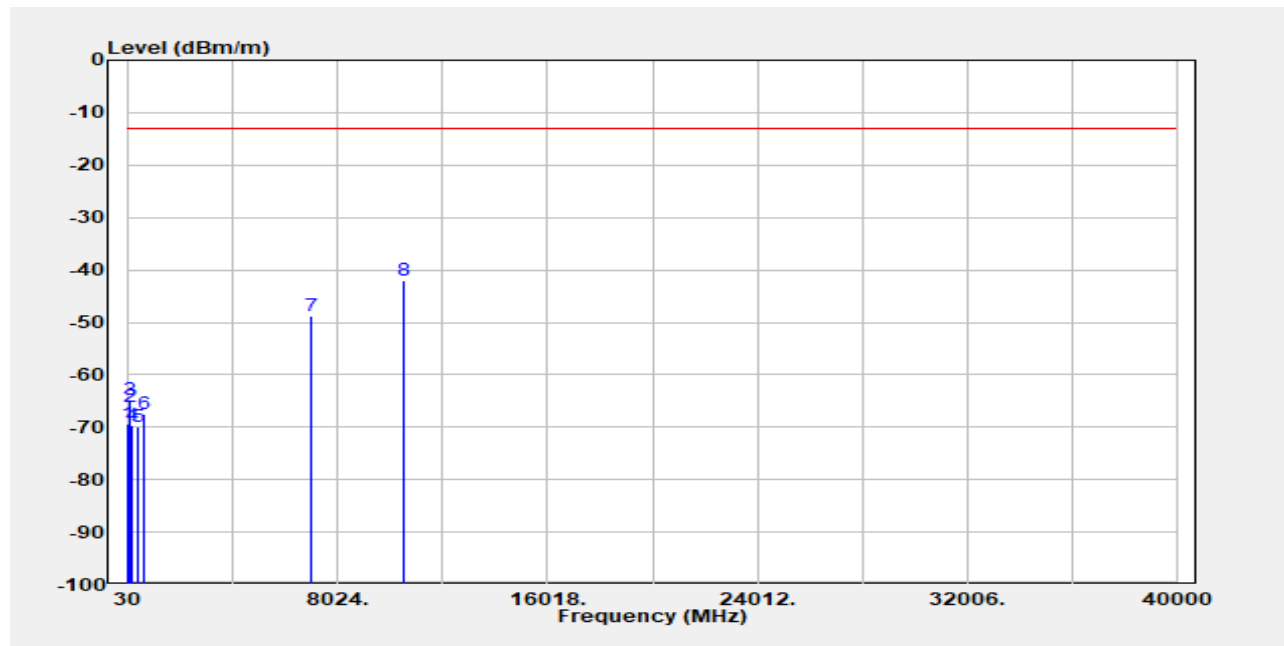
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Vertical

Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.47	-69.30	-54.98	-13.67	-0.64	-13.00	-56.30
78.50	-66.15	-61.74	-3.52	-0.89	-13.00	-53.15
99.52	-64.85	-63.12	-0.72	-1.01	-13.00	-51.85
170.65	-69.74	-68.25	-0.21	-1.27	-13.00	-56.74
348.48	-69.92	-72.43	4.52	-2.01	-13.00	-56.92
610.38	-67.44	-68.43	3.48	-2.50	-13.00	-54.44
7000.02	-48.74	-50.59	11.50	-9.65	-13.00	-35.74
10500.03	-41.99	-42.27	11.20	-10.92	-13.00	-28.99

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Mid

EUT Pol :H Plane

Test Frequency :3500.01 MHz

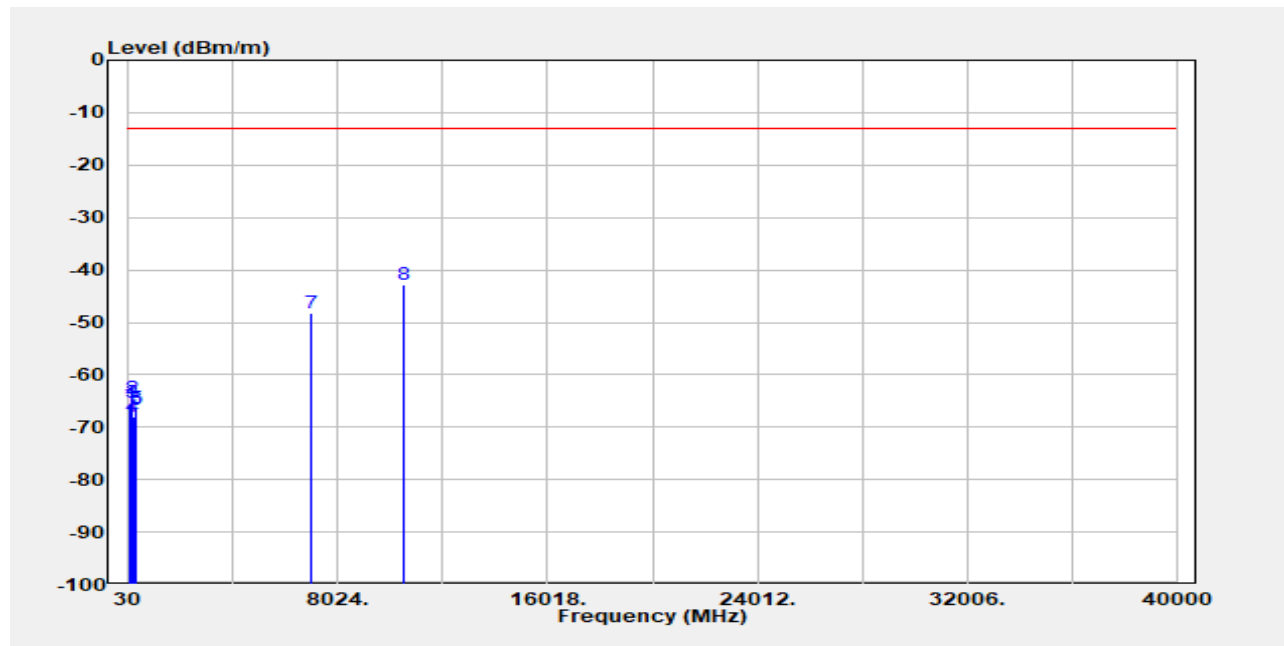
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
89.82	-65.47	-64.06	-0.43	-0.98	-13.00	-52.47
156.10	-64.45	-61.88	-1.36	-1.21	-13.00	-51.45
170.65	-65.32	-63.83	-0.21	-1.27	-13.00	-52.32
191.67	-67.96	-70.02	3.50	-1.43	-13.00	-54.96
335.55	-66.39	-68.78	4.28	-1.90	-13.00	-53.39
342.02	-66.64	-69.08	4.36	-1.92	-13.00	-53.64
7000.02	-48.33	-50.18	11.50	-9.65	-13.00	-35.33
10500.03	-42.77	-43.05	11.20	-10.92	-13.00	-29.77

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH High

EUT Pol :H Plane

Test Frequency :3534.99 MHz

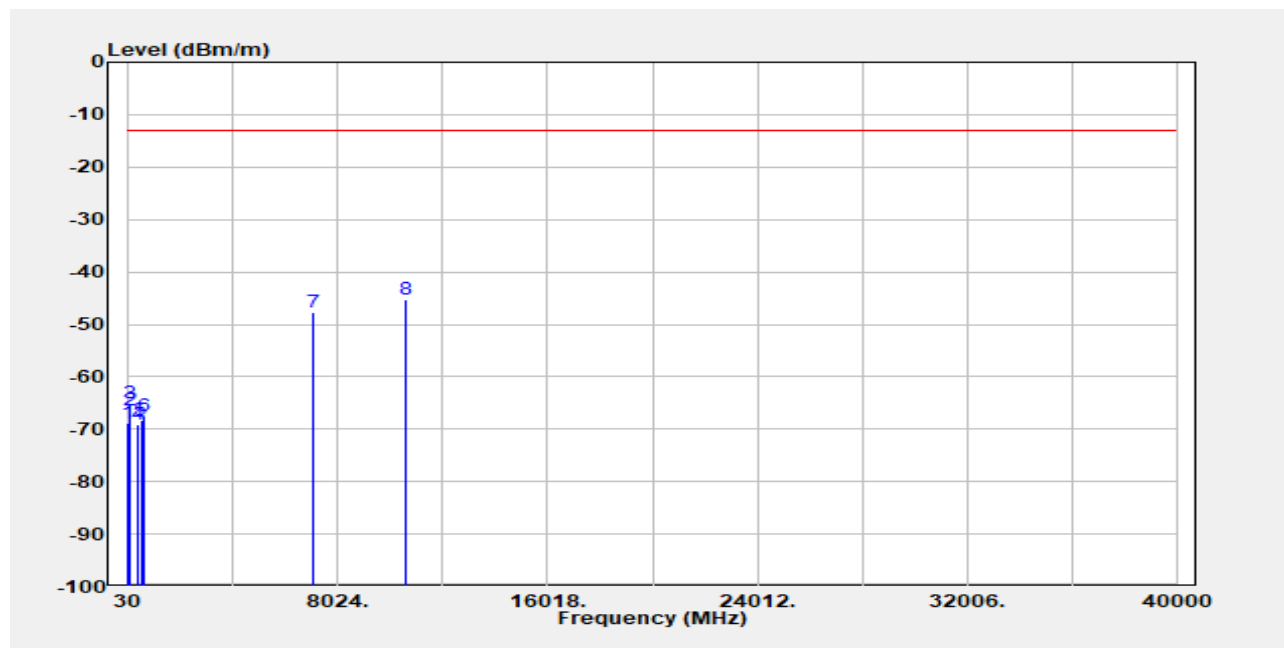
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Vertical

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.47	-68.87	-54.55	-13.67	-0.64	-13.00	-55.87
78.50	-66.42	-62.01	-3.52	-0.89	-13.00	-53.42
99.52	-65.09	-63.36	-0.72	-1.01	-13.00	-52.09
348.48	-69.16	-71.67	4.52	-2.01	-13.00	-56.16
500.45	-68.42	-70.26	4.25	-2.41	-13.00	-55.42
610.38	-67.49	-68.47	3.48	-2.50	-13.00	-54.49
7069.98	-47.61	-49.00	11.18	-9.79	-13.00	-34.61
10604.97	-45.35	-45.17	11.30	-11.48	-13.00	-32.35

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH High

EUT Pol :H Plane

Test Frequency :3534.99 MHz

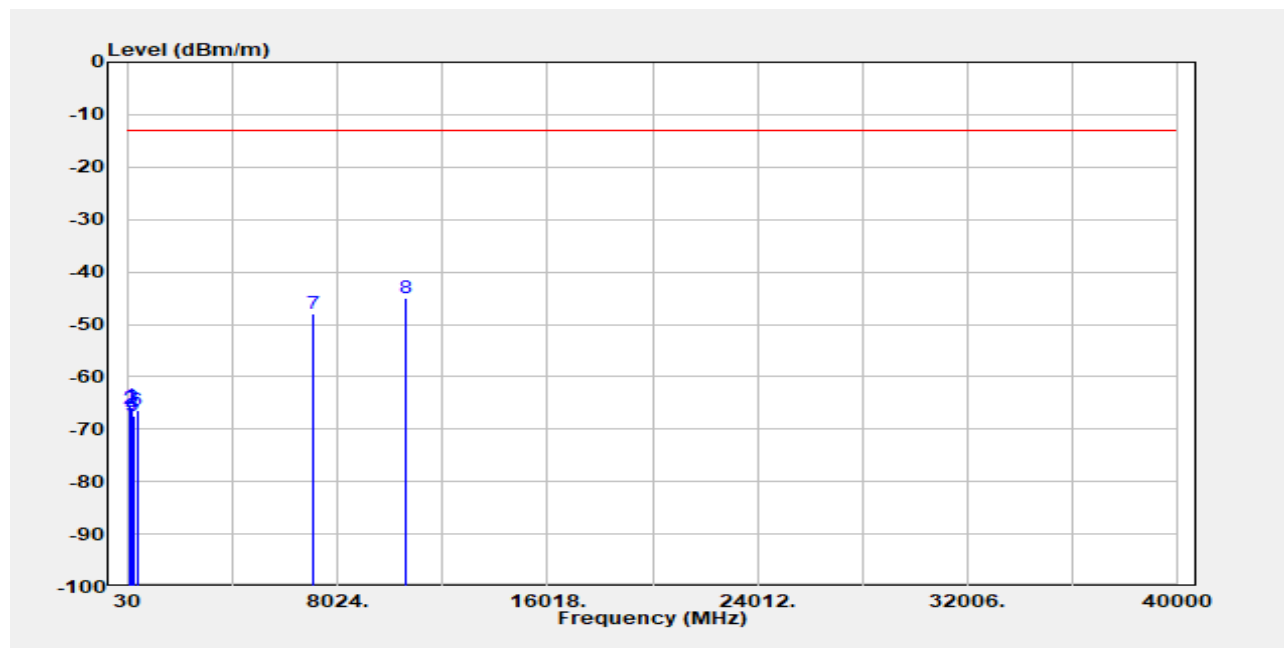
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
78.50	-65.71	-61.30	-3.52	-0.89	-13.00	-52.71
89.82	-66.24	-64.83	-0.43	-0.98	-13.00	-53.24
156.10	-65.85	-63.28	-1.36	-1.21	-13.00	-52.85
170.65	-67.30	-65.82	-0.21	-1.27	-13.00	-54.30
191.67	-67.41	-69.47	3.50	-1.43	-13.00	-54.41
345.25	-66.36	-68.84	4.44	-1.97	-13.00	-53.36
7069.98	-47.87	-49.26	11.18	-9.79	-13.00	-34.87
10604.97	-44.88	-44.70	11.30	-11.48	-13.00	-31.88

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Low

EUT Pol :H Plane

Test Frequency :3735 MHz

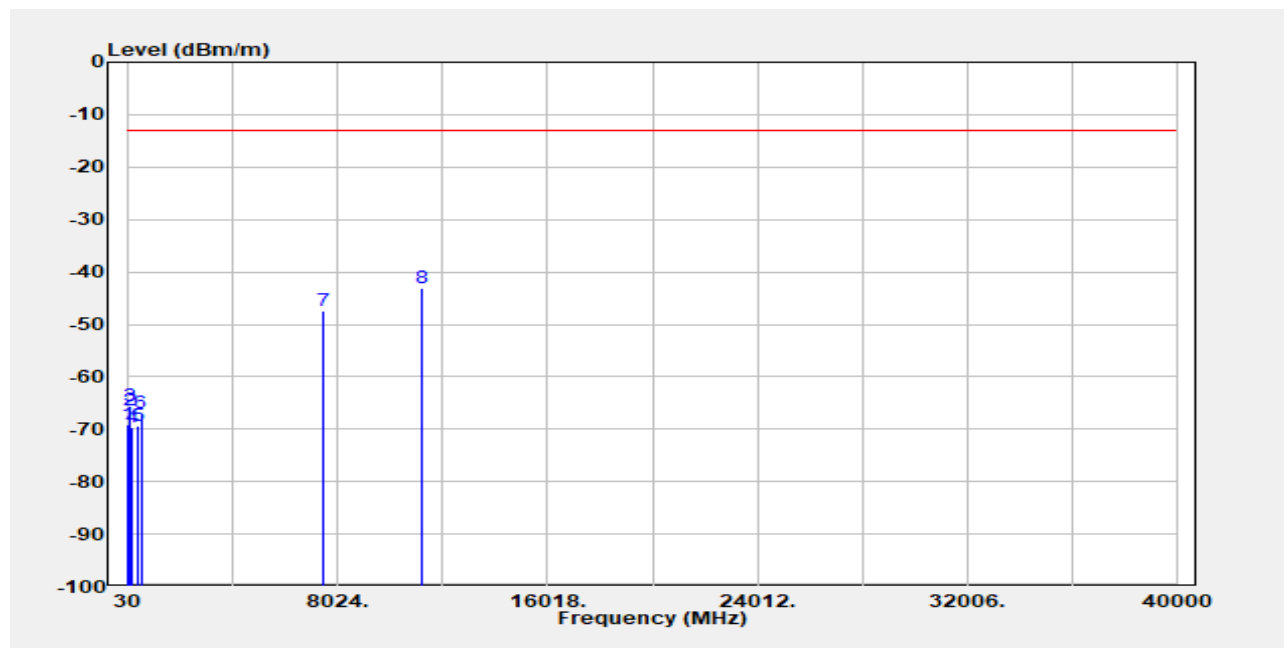
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Vertical

Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.47	-68.99	-54.67	-13.67	-0.64	-13.00	-55.99
78.50	-66.44	-62.03	-3.52	-0.89	-13.00	-53.44
99.52	-65.46	-63.73	-0.72	-1.01	-13.00	-52.46
156.10	-69.60	-67.03	-1.36	-1.21	-13.00	-56.60
348.48	-69.27	-71.78	4.52	-2.01	-13.00	-56.27
500.45	-66.81	-68.65	4.25	-2.41	-13.00	-53.81
7470.00	-47.29	-49.11	10.94	-9.12	-13.00	-34.29
11205.00	-43.12	-42.51	11.60	-12.21	-13.00	-30.12

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Low

EUT Pol :H Plane

Test Frequency :3735 MHz

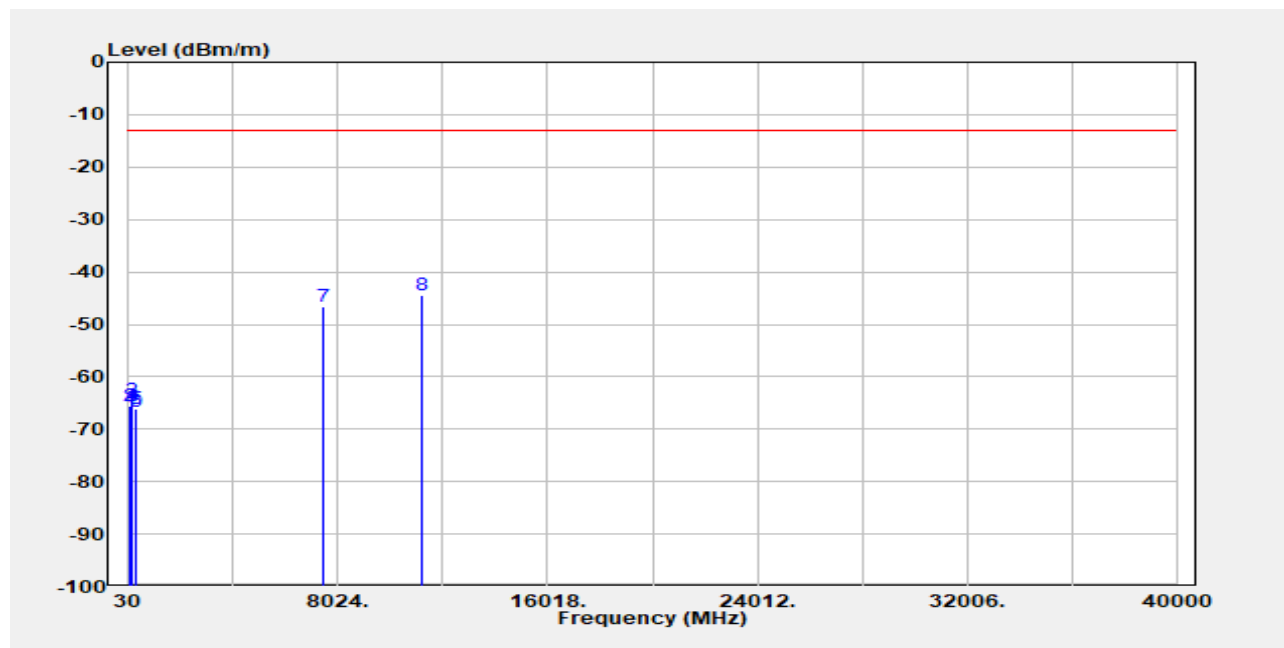
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
78.50	-65.92	-61.51	-3.52	-0.89	-13.00	-52.92
89.82	-65.65	-64.24	-0.43	-0.98	-13.00	-52.65
156.10	-64.40	-61.83	-1.36	-1.21	-13.00	-51.40
170.65	-65.64	-64.16	-0.21	-1.27	-13.00	-52.64
335.55	-66.24	-68.62	4.28	-1.90	-13.00	-53.24
342.02	-66.58	-69.02	4.36	-1.92	-13.00	-53.58
7470.00	-46.60	-48.42	10.94	-9.12	-13.00	-33.60
11205.00	-44.56	-43.95	11.60	-12.21	-13.00	-31.56

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Mid

EUT Pol :H Plane

Test Frequency :3840 MHz

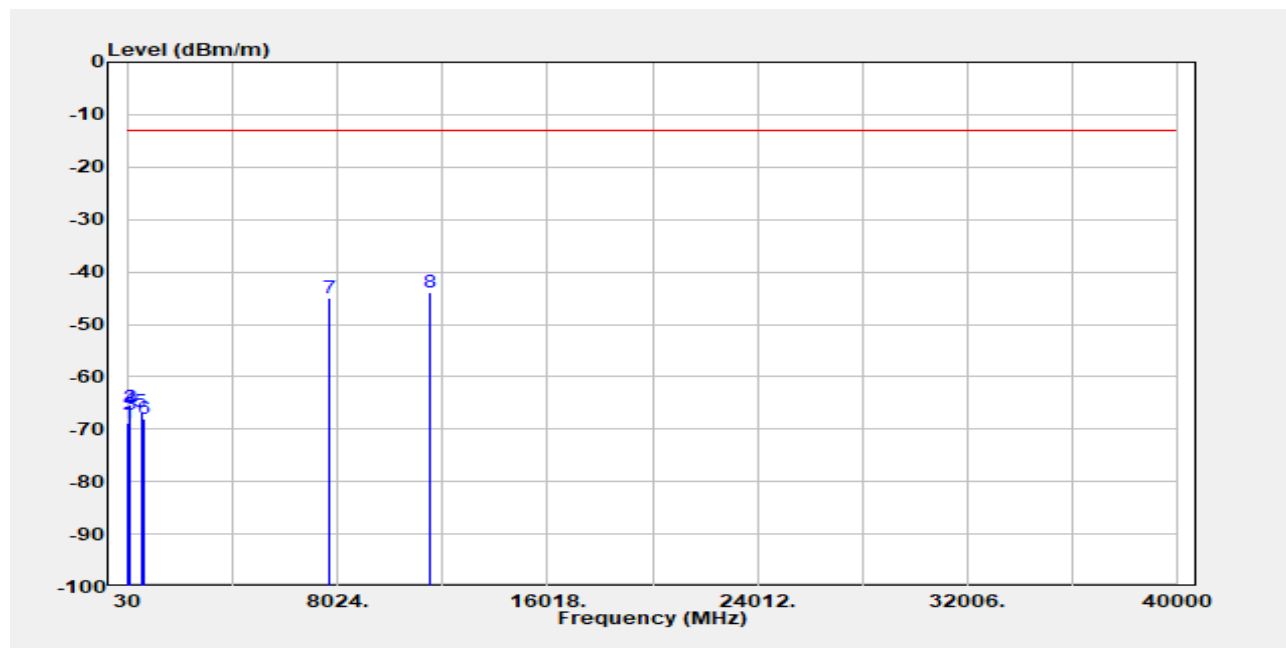
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Vertical

Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
36.47	-68.84	-54.52	-13.67	-0.64	-13.00	-55.84
78.50	-65.83	-61.42	-3.52	-0.89	-13.00	-52.83
89.82	-67.28	-65.87	-0.43	-0.98	-13.00	-54.28
99.52	-66.25	-64.52	-0.72	-1.01	-13.00	-53.25
500.45	-66.60	-68.44	4.25	-2.41	-13.00	-53.60
610.38	-67.95	-68.93	3.48	-2.50	-13.00	-54.95
7680.00	-45.08	-46.62	11.42	-9.88	-13.00	-32.08
11520.00	-44.02	-43.03	11.36	-12.35	-13.00	-31.02

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH Mid

EUT Pol :H Plane

Test Frequency :3840 MHz

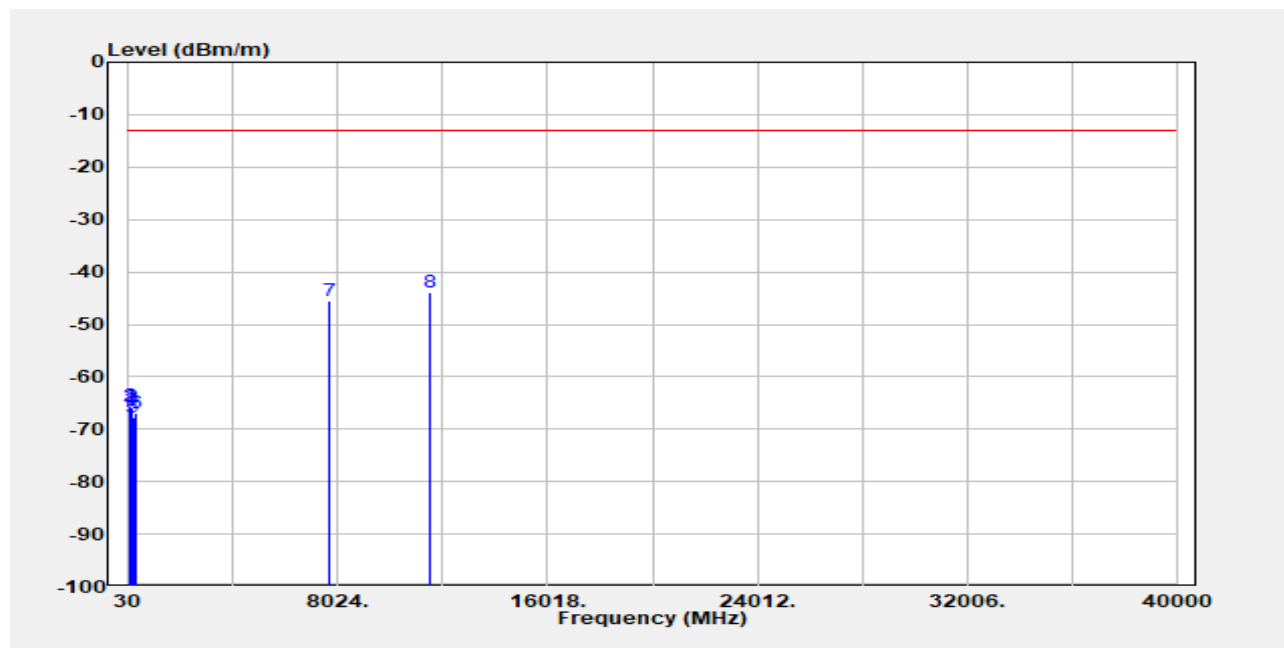
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
78.50	-66.12	-61.71	-3.52	-0.89	-13.00	-53.12
89.82	-65.57	-64.16	-0.43	-0.98	-13.00	-52.57
156.10	-65.91	-63.34	-1.36	-1.21	-13.00	-52.91
170.65	-66.48	-64.99	-0.21	-1.27	-13.00	-53.48
191.67	-67.64	-69.70	3.50	-1.43	-13.00	-54.64
335.55	-66.92	-69.30	4.28	-1.90	-13.00	-53.92
7680.00	-45.61	-47.15	11.42	-9.88	-13.00	-32.61
11520.00	-43.85	-42.85	11.36	-12.35	-13.00	-30.85

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH High

EUT Pol :H Plane

Test Frequency :3945 MHz

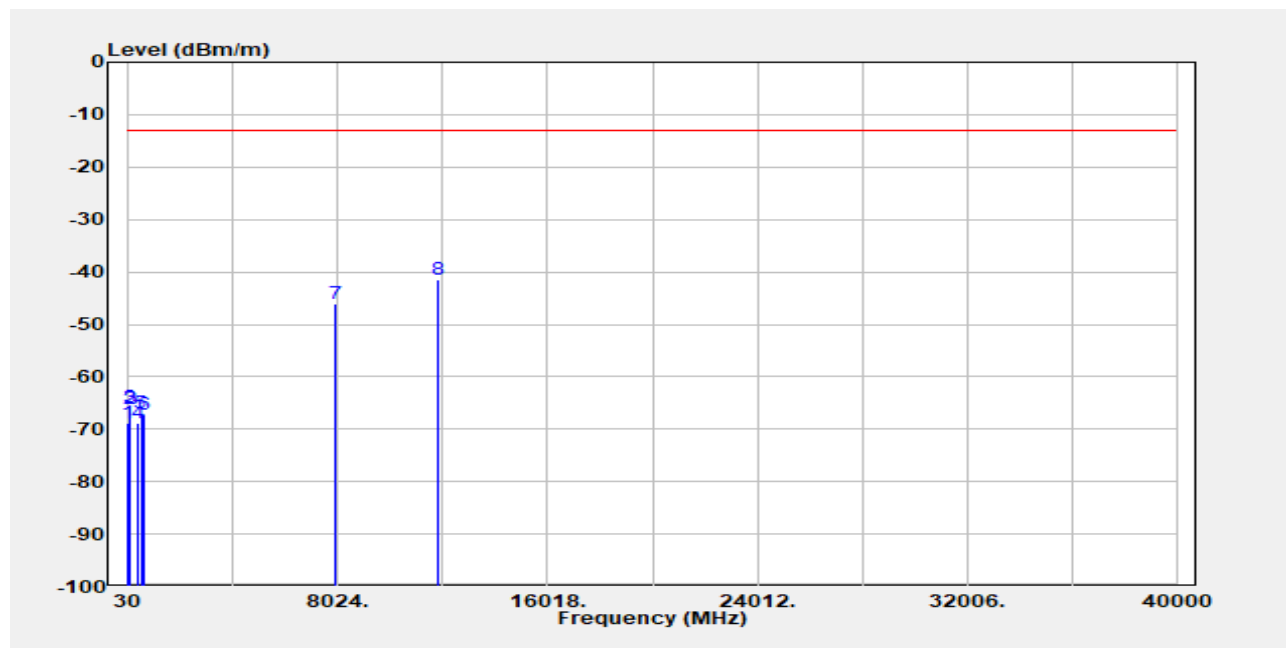
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Vertical

Engineer :GN Lin



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
36.47	-68.88	-54.57	-13.67	-0.64	-13.00	-55.88
78.50	-66.14	-61.73	-3.52	-0.89	-13.00	-53.14
99.52	-65.82	-64.09	-0.72	-1.01	-13.00	-52.82
348.48	-68.89	-71.40	4.52	-2.01	-13.00	-55.89
500.45	-66.94	-68.78	4.25	-2.41	-13.00	-53.94
610.38	-67.07	-68.06	3.48	-2.50	-13.00	-54.07
7890.00	-46.05	-46.64	11.22	-10.63	-13.00	-33.05
11835.00	-41.43	-41.72	12.61	-12.32	-13.00	-28.43

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Report Number :ER/2021/C0138

Operation Mode :n77

Test Mode :Tx CH High

EUT Pol :H Plane

Test Frequency :3945 MHz

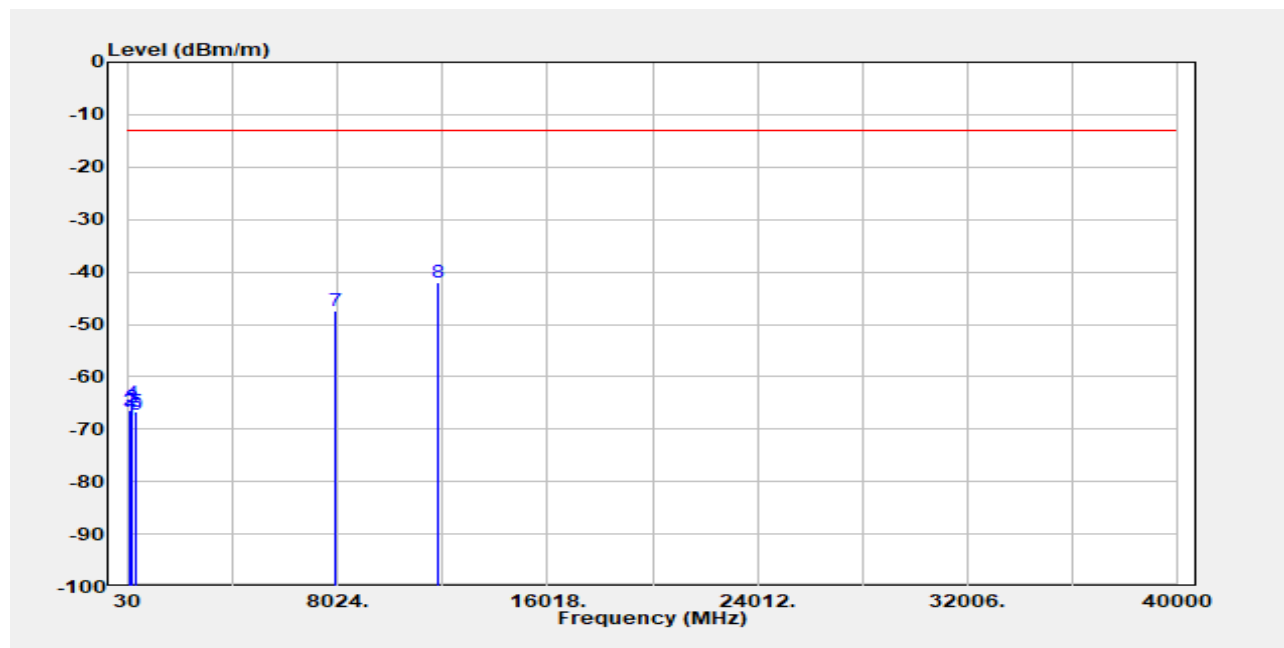
Test Site :SAC 1

Test Date :2022-01-26

Temp./Humi. :23.8/68

Antenna Pol. :Horizontal

Engineer :GN Lin



Freq.	EIRP/ERP	SG	Antenna	Cable	Limit	Margin
MHz	dBm	Output Level dBm	Gain dBi/dBd	Loss dB	dBm	dB
78.50	-68.37	-63.96	-3.52	-0.89	-13.00	-55.37
89.82	-66.49	-65.08	-0.43	-0.98	-13.00	-53.49
156.10	-65.75	-63.19	-1.36	-1.21	-13.00	-52.75
170.65	-65.05	-63.57	-0.21	-1.27	-13.00	-52.05
335.55	-66.56	-68.94	4.28	-1.90	-13.00	-53.56
342.02	-67.24	-69.69	4.36	-1.92	-13.00	-54.24
7890.00	-47.40	-47.99	11.22	-10.63	-13.00	-34.40
11835.00	-42.04	-42.32	12.61	-12.32	-13.00	-29.04

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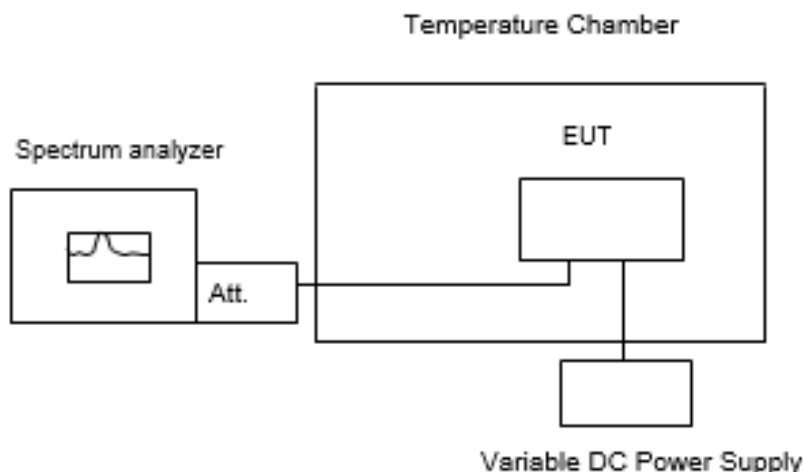
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11 FREQUENCY STABILITY MEASUREMENT

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.

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11.4 Measurement Result

Note: The battery is rated 12.5V dc.

5G NR BAND n77/ Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	656000		Frequency(MHz):	3840.00
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
14.375	25	3839.999996	-4	9600
12.5	25	3839.999993	-7	9600
10.625	25	3840.000009	9	9600
0 (End Point)	25	3840.000005	5	9600
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
12.5	-30	3839.999996	-4	9600
12.5	-20	3839.999995	-5	9600
12.5	-10	3840.000003	3	9600
12.5	0	3840.000011	11	9600
12.5	10	3840.000009	9	9600
12.5	20	3840.000010	10	9600
12.5	30	3839.999995	-5	9600
12.5	40	3840.000006	6	9600
12.5	50	3839.999999	-1	9600

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5G NR BAND n77/ Part27				
Reference Freq.:			Modulation.:	CP-OFDM QPSK
SCS.:	30	kHz	Bandwidth:	100MHz
CH	633334		Frequency(MHz):	3500.01
Freq. ERROR vs. VOLTAGE				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
14.375	25	3500.009996	-4	8750
12.5	25	3500.009993	-7	8750
10.625	25	3500.010009	9	8750
0 (End Point)	25	3500.010005	5	8750
Freq. ERROR vs. Temp.				
Power Supply Vdc	Temp. (°C)	Freq. (MHz)	Delta (Hz)	Limit = +/- 2.5 ppm (Hz)
12.5	-30	3500.009996	-4	8750
12.5	-20	3500.009995	-5	8750
12.5	-10	3500.010003	3	8750
12.5	0	3500.010011	11	8750
12.5	10	3500.010009	9	8750
12.5	20	3500.010010	10	8750
12.5	30	3500.009995	-5	8750
12.5	40	3500.010006	6	8750
12.5	50	3500.009999	-1	8750

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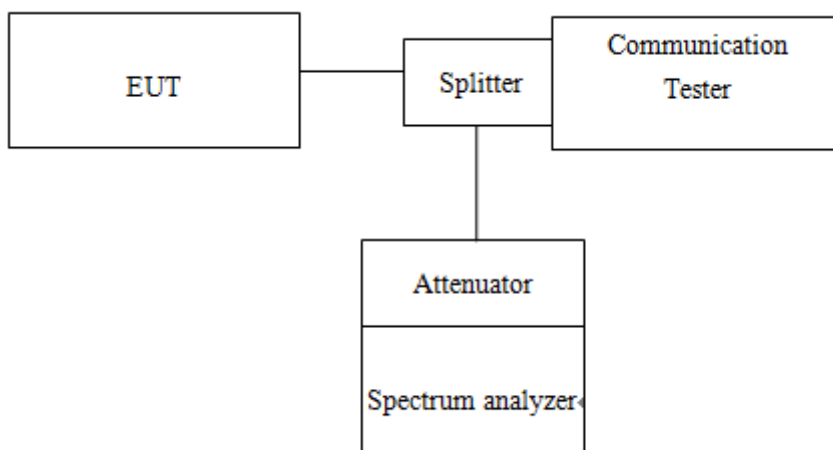
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12 PEAK TO AVERAGE RATIO

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. The spectrum set follow:
 - a) Set the analyzer center frequency to the OBW center frequency.
 - b) Set the span to $2 \times$ to $3 \times$ the OBW.
 - c) Set the RBW to the specified reference bandwidth
 - d) Set the VBW $\geq 3 \times$ RBW.
 - e) Detector = peak.
 - f) Sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (transmission symbol period).
 - g) Trace mode = max hold.
 - h) Allow trace to fully stabilize.
 - i) Use the peak marker function to determine the maximum amplitude level within the specified reference bandwidth (PSD).

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12.4 Measurement Result

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
Freq. (MHz)	CH	PAPR (dB)					
		256QAM	Limit				
3710.01	647334	9.52	13				
3840.00	656000	11.52	13				
3969.99	664666	10.45	13				

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3715.02	647668	11.71	13	3720.00	648000	10.54	13
3840.00	656000	10.17	13	3840.00	656000	10.91	13
3765.00	651000	10.33	13	3960.00	664000	10.71	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 50MHz				Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3725.01	648334	11.84	13	3730.02	648668	10.39	13
3840.00	656000	10.46	13	3840.00	656000	10.87	13
3954.99	663666	11.76	13	3949.98	663332	11.03	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 70MHz				Channel bandwidth: 80MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3735.00	649000	10.46	13	3740.01	649334	11.18	13
3840.00	656000	11.41	13	3840.00	656000	11.01	13
3945.00	663000	10.97	13	3939.99	662666	12.66	13

5G NR BAND n77 Part27(3700 to 3980 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 90MHz				Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3745.02	649668	10.96	13	3750.00	650000	11.37	13
3840.00	656000	10.62	13	3840.00	656000	10.53	13
3934.98	662332	10.36	13	3930.00	662000	11.71	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 20MHz							
Freq. (MHz)	CH	PAPR (dB)					
		256QAM	Limit				
3460.02	630668	10.18	13				
3500.01	633334	9.77	13				
3540.00	636000	9.10	13				

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 30MHz				Channel bandwidth: 40MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3465.00	631000	10.37	13	3470.01	631334	10.43	13
3500.01	633334	10.54	13	3500.01	633334	10.98	13
3534.99	635666	10.37	13	3529.98	635332	10.43	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 50MHz				Channel bandwidth: 60MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3475.02	631668	11.84	13	3480.00	632000	10.89	13
3500.01	633334	10.47	13	3500.01	633334	11.77	13
3525.00	635000	11.76	13	3519.99	634666	11.31	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 70MHz				Channel bandwidth: 80MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3485.01	632334	10.67	13	3490.02	632668	11.32	13
3500.01	633334	11.50	13	3500.01	633334	11.55	13
3514.98	634332	12.11	13	3510.00	634000	11.53	13

5G NR BAND n77 Part27(3450 to 3550 MHz)							
DFT-S-OFDM_SCS 30 kHz							
Channel bandwidth: 90MHz				Channel bandwidth: 100MHz			
Freq. (MHz)	CH	PAPR (dB)		Freq. (MHz)	CH	PAPR (dB)	
		256QAM	Limit			256QAM	Limit
3495.00	633000	11.66	13				
3500.01	633334	12.28	13	3500.01	633334	10.99	13
3504.99	633666	11.29	13				

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Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH631000



Band77-Part27 20MHz DFT s OFDM SCS30kHz 256QAM RB50 0 CH633334



Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH633334



Band77-Part27 20MHz DFT s OFDM SCS30kHz 256QAM RB50 0 CH636000



Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH635666

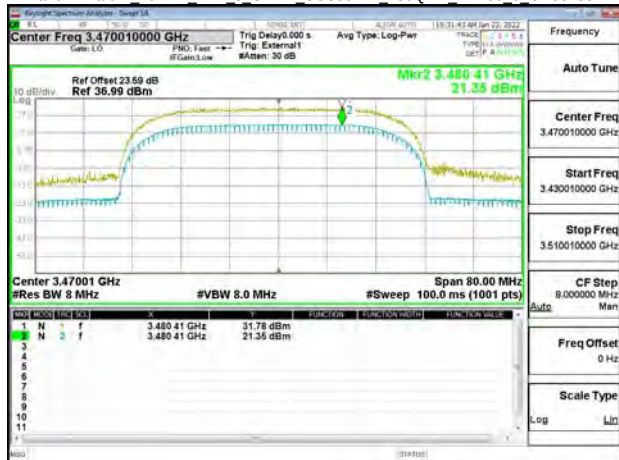


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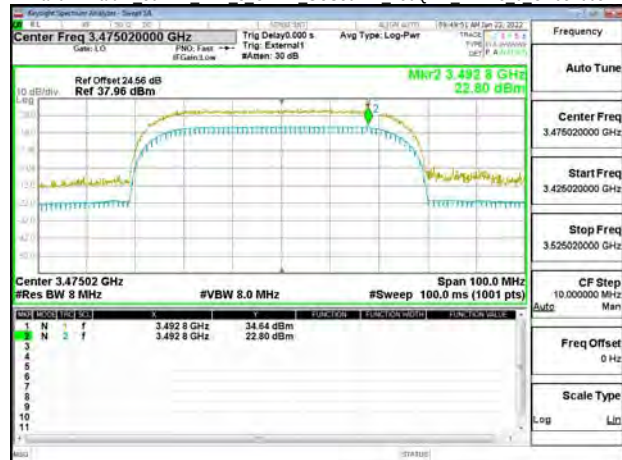
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Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH631334



Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH631668



Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH635334



Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH635334



Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH635332



Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH635000



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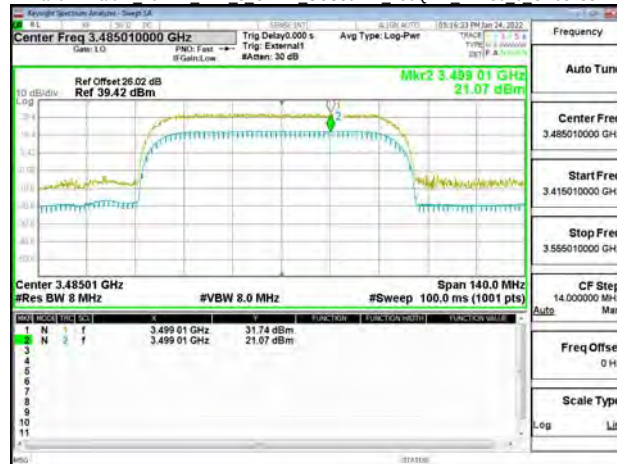
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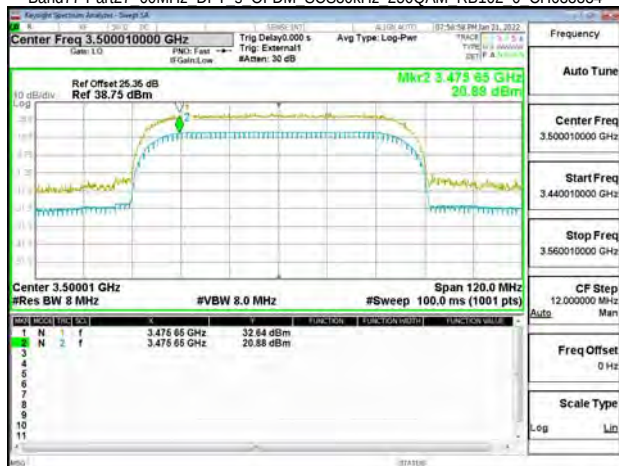
Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH632000



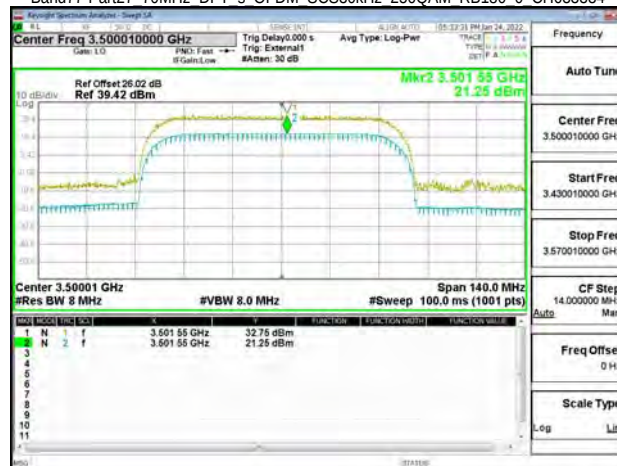
Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH632334



Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH633334



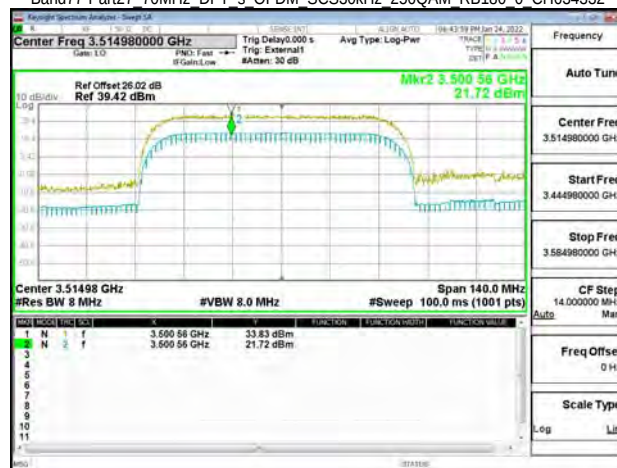
Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH633334



Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH634666



Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH634332



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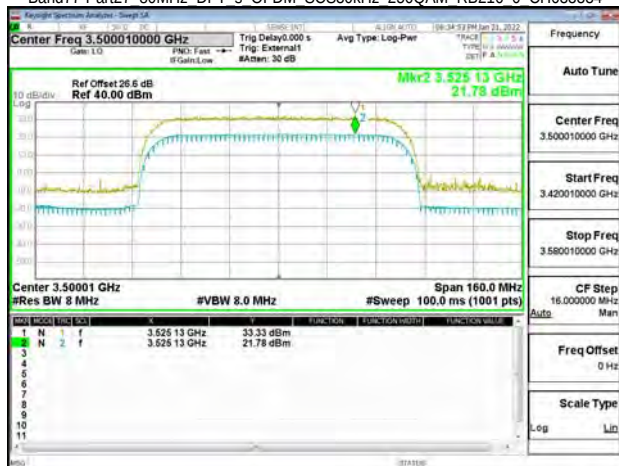
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Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH633000



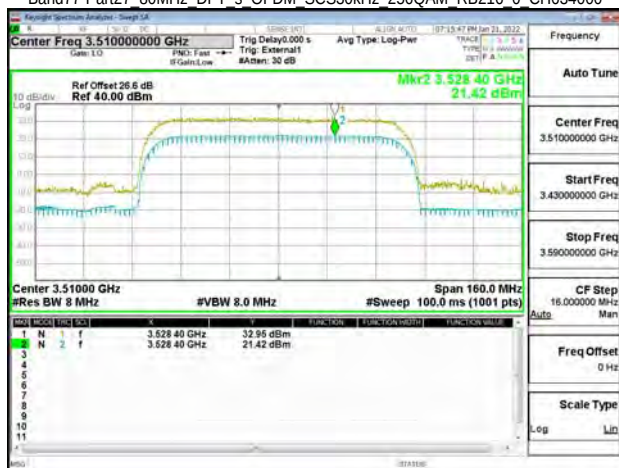
Band77-Part27 80MHz DFT s OFDM SCS30kHz 256QAM RB216 0 CH633334



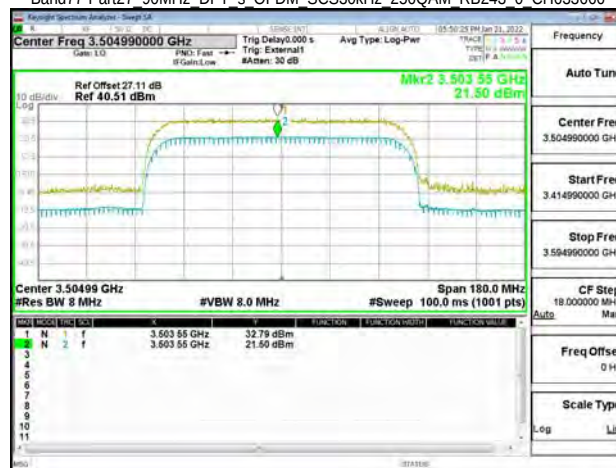
Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH633334



Band77-Part27 80MHz DFT s OFDM SCS30kHz 256QAM RB216 0 CH634000



Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH633666



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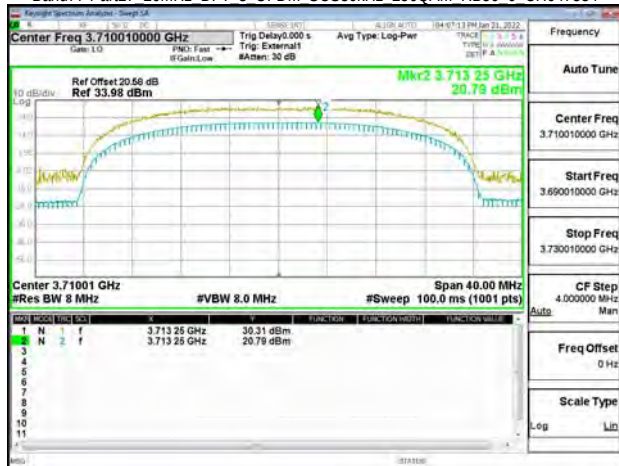
Band77-Part27 100MHz DFT s OFDM SCS30kHz 256QAM RB270 0 CH633334



Band77-Part27 20MHz DFT s OFDM SCS30kHz 256QAM RB50 0 CH646666



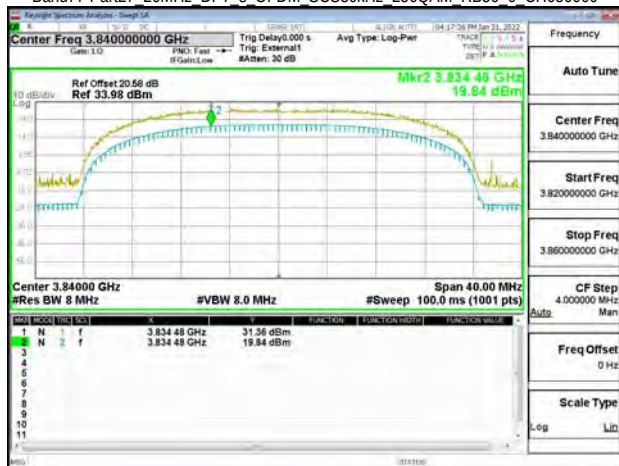
Band77-Part27 20MHz DFT s OFDM SCS30kHz 256QAM RB50 0 CH647334



Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH647668



Band77-Part27 20MHz DFT s OFDM SCS30kHz 256QAM RB50 0 CH656000



Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH651000



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Band77-Part27 30MHz DFT s OFDM SCS30kHz 256QAM RB75 0 CH656000



Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH640000



Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH648000



Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH648334



Band77-Part27 40MHz DFT s OFDM SCS30kHz 256QAM RB100 0 CH656000



Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH656000



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Band77-Part27 50MHz DFT s OFDM SCS30kHz 256QAM RB128 0 CH663666



Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH663332



Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH648668



Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH649000



Band77-Part27 60MHz DFT s OFDM SCS30kHz 256QAM RB162 0 CH656000



Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH656000



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Band77-Part27 70MHz DFT s OFDM SCS30kHz 256QAM RB180 0 CH663000



Band77-Part27 80MHz DFT s OFDM SCS30kHz 256QAM RB216 0 CH662666



Band77-Part27 80MHz DFT s OFDM SCS30kHz 256QAM RB216 0 CH649334



Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH649668



Band77-Part27 80MHz DFT s OFDM SCS30kHz 256QAM RB216 0 CH656000



Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH656000



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Band77-Part27 90MHz DFT s OFDM SCS30kHz 256QAM RB243 0 CH662332



Band77-Part27 100MHz DFT s OFDM SCS30kHz 256QAM RB270 0 CH656000



Band77-Part27 100MHz DFT s OFDM SCS30kHz 256QAM RB270 0 CH650000



Band77-Part27 100MHz DFT s OFDM SCS30kHz 256QAM RB270 0 CH662000



~ End of Report ~

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