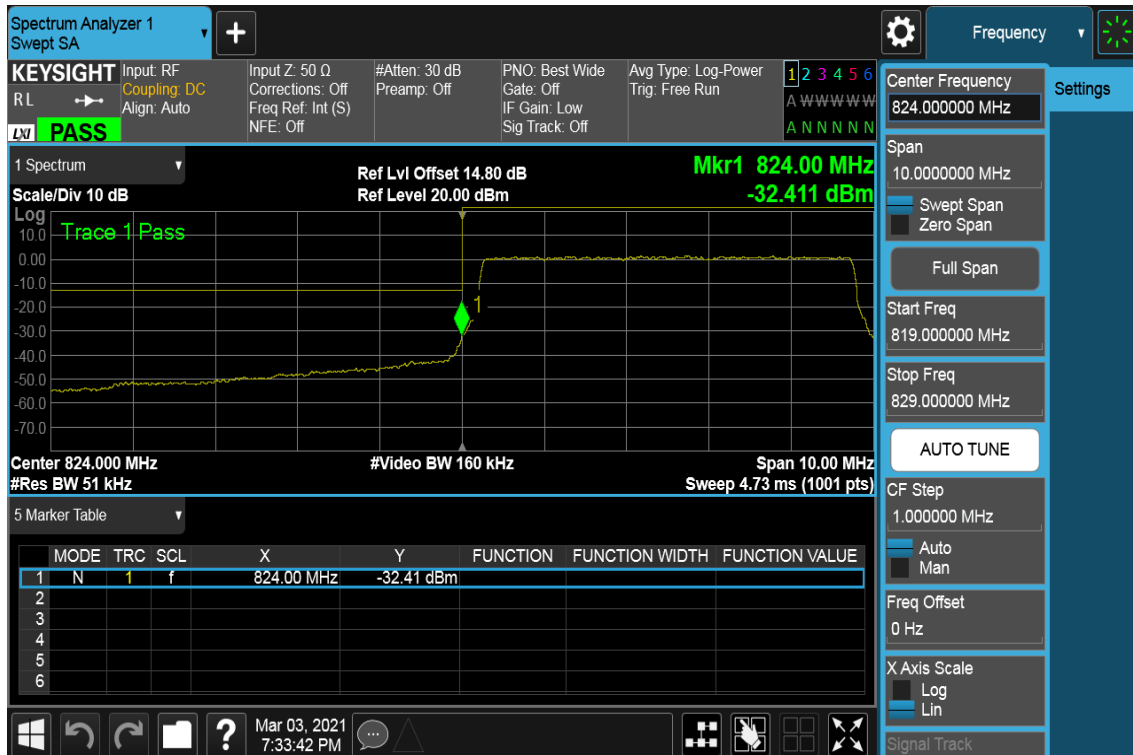
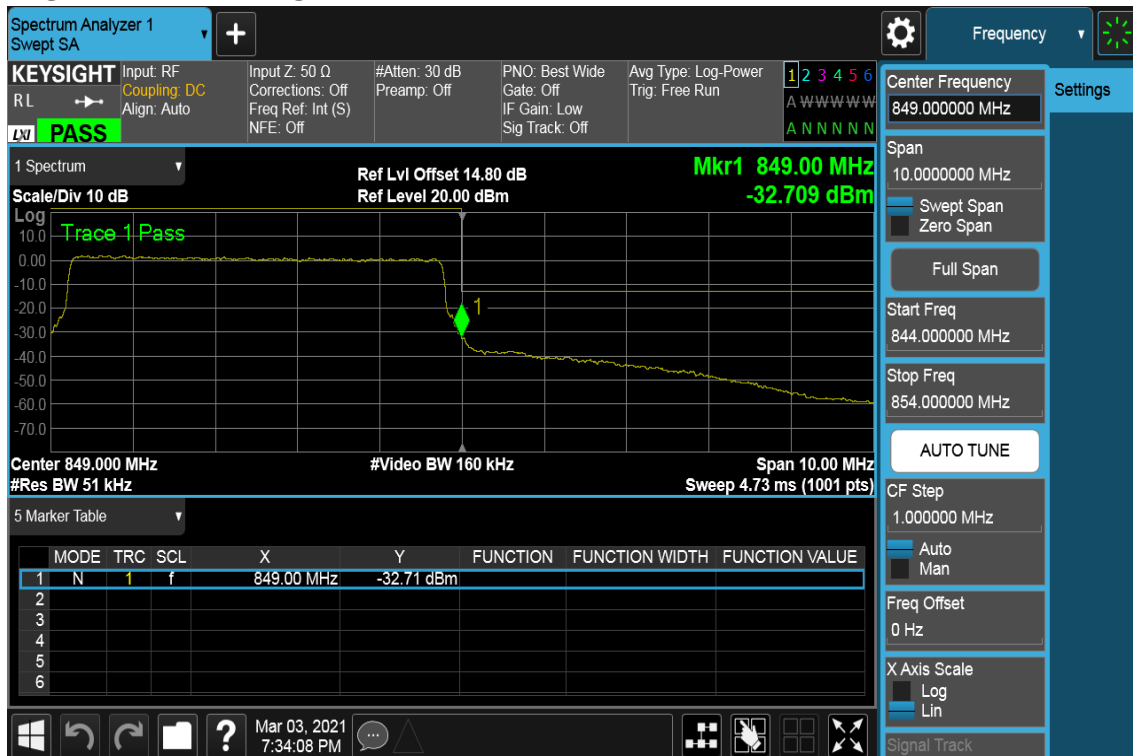


Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 5MHz / QPSK / RB =25, RB Offset = 0
LOWER BAND EDGE**HIGHER BAND EDGE**

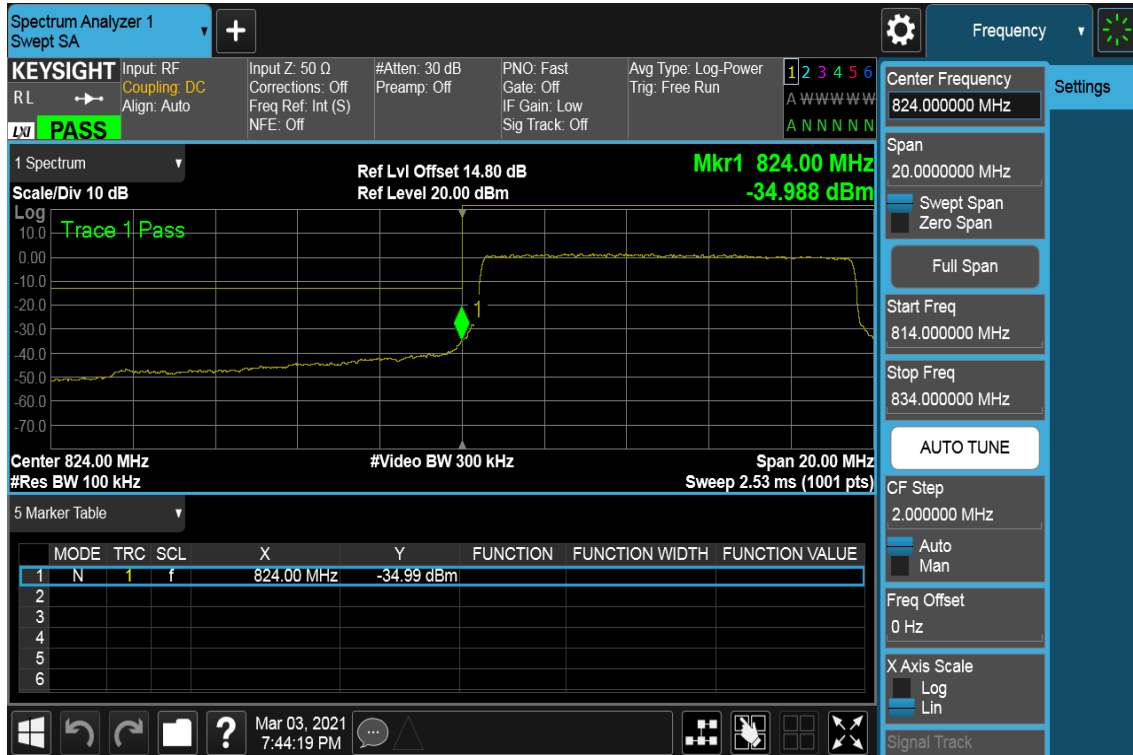
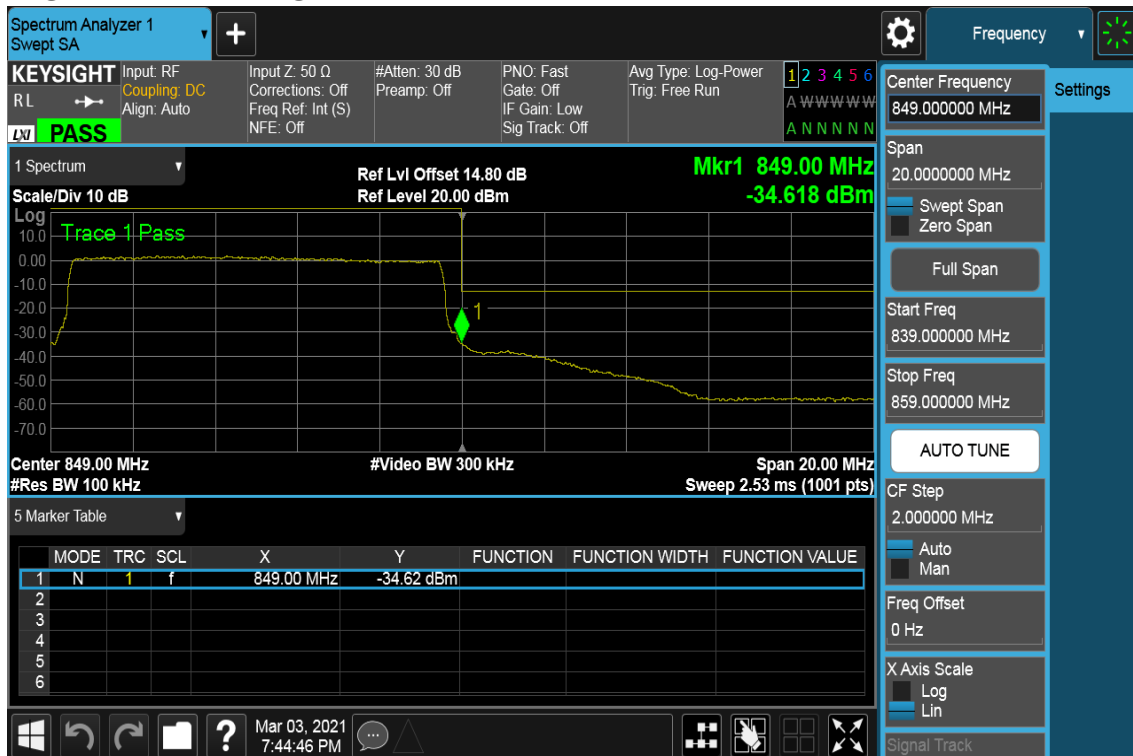
Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 5MHz / QPSK / RB =1, RB Offset = 0 LOWER BAND EDGE



CHANNEL BANDWIDTH: 5MHz / QPSK / RB =1, RB Offset = 24 HIGHER BAND EDGE



CHANNEL BANDWIDTH: 10MHz / QPSK / RB =50, RB Offset = 0
LOWER BAND EDGE**HIGHER BAND EDGE**

Report No.: T201102D09-RP9

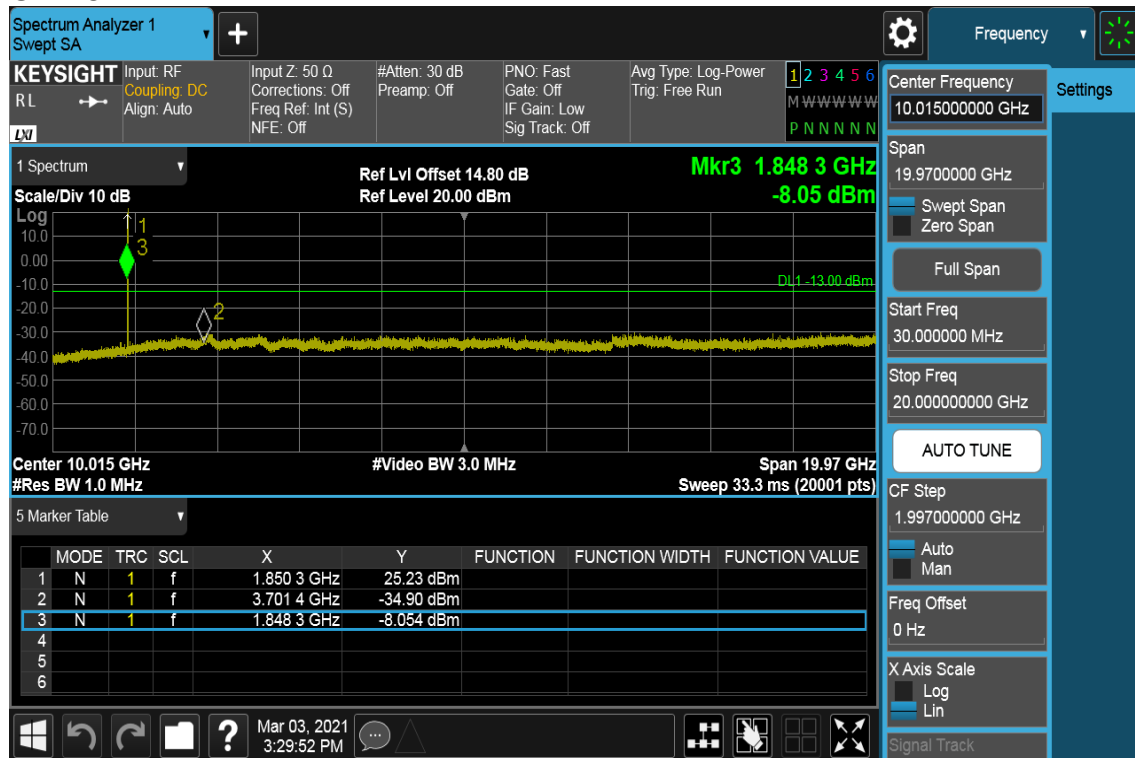
CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 0 LOWER BAND EDGE



CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 49 HIGHER BAND EDGE



Report No.: T201102D09-RP9

Spurious Emission**LTE Band 2****CHANNEL BANDWIDTH: 1.4MHz / QPSK / RB =1, RB Offset = 0****CH Low****CH Mid**

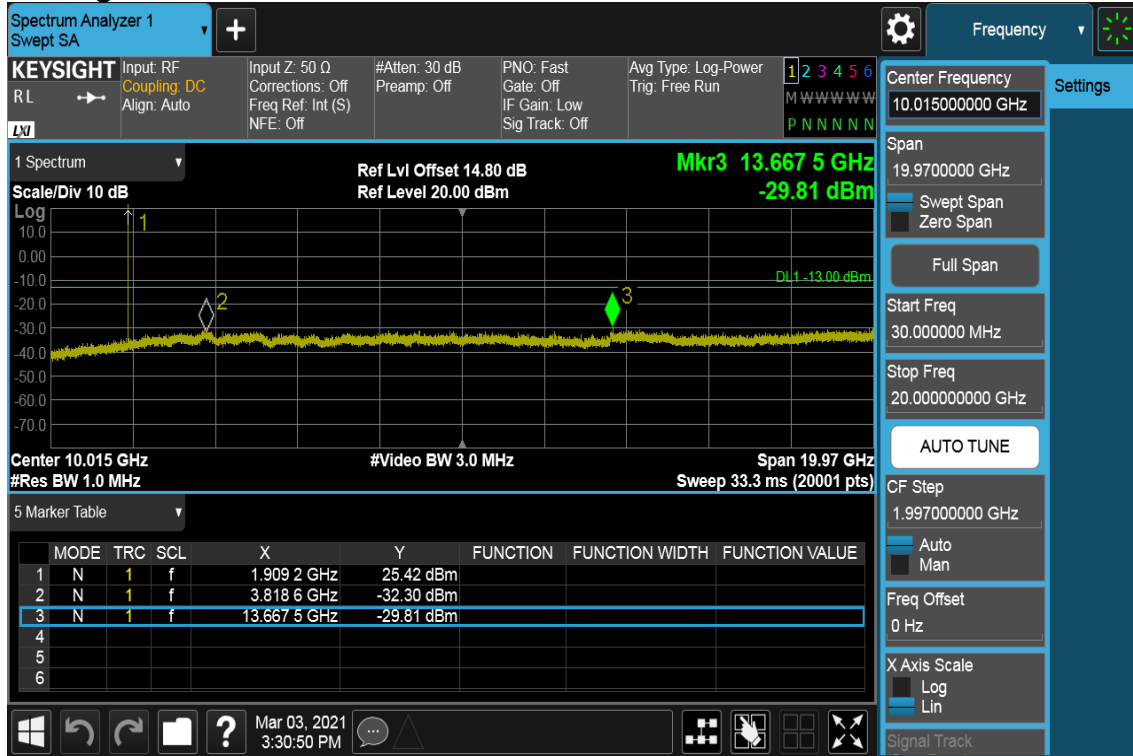


Report No.: T201102D09-RP9

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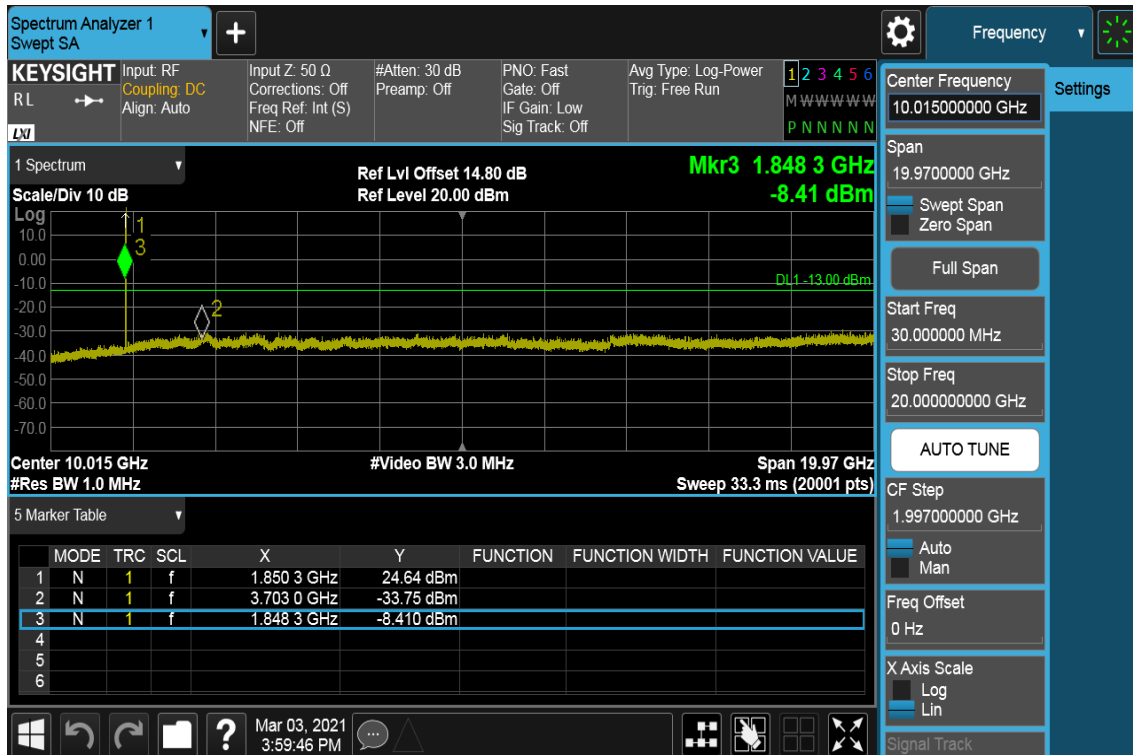
CH High



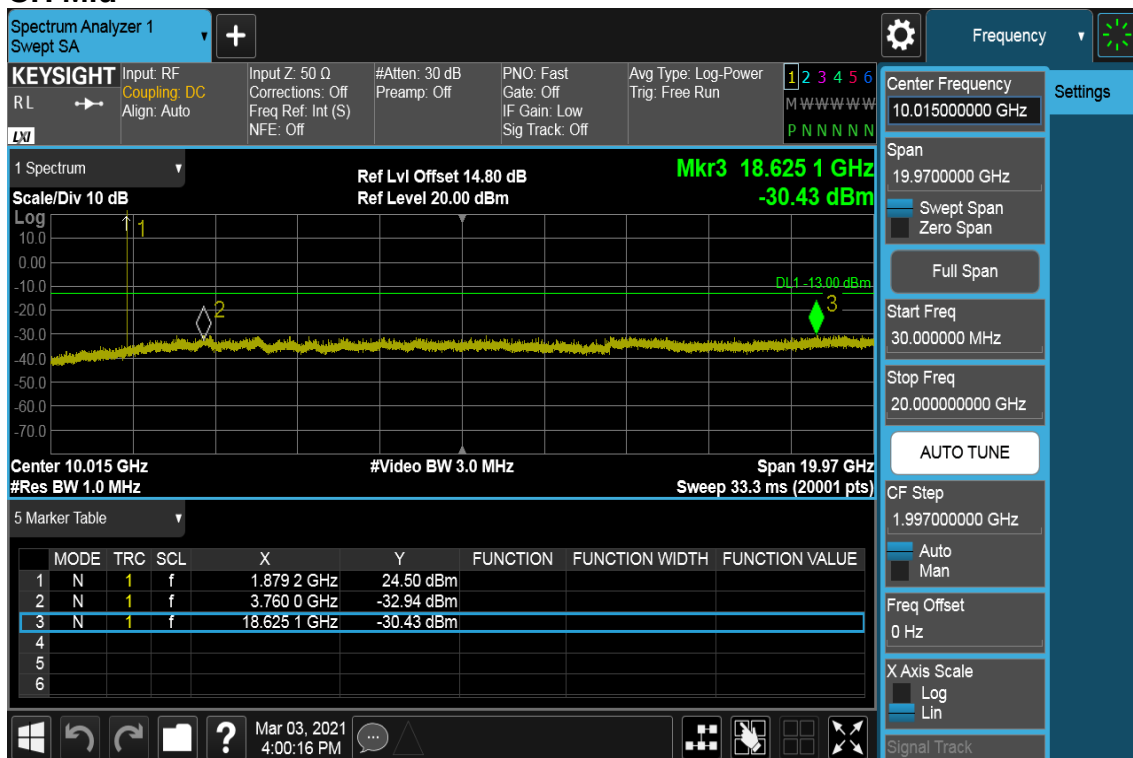
Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 3MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



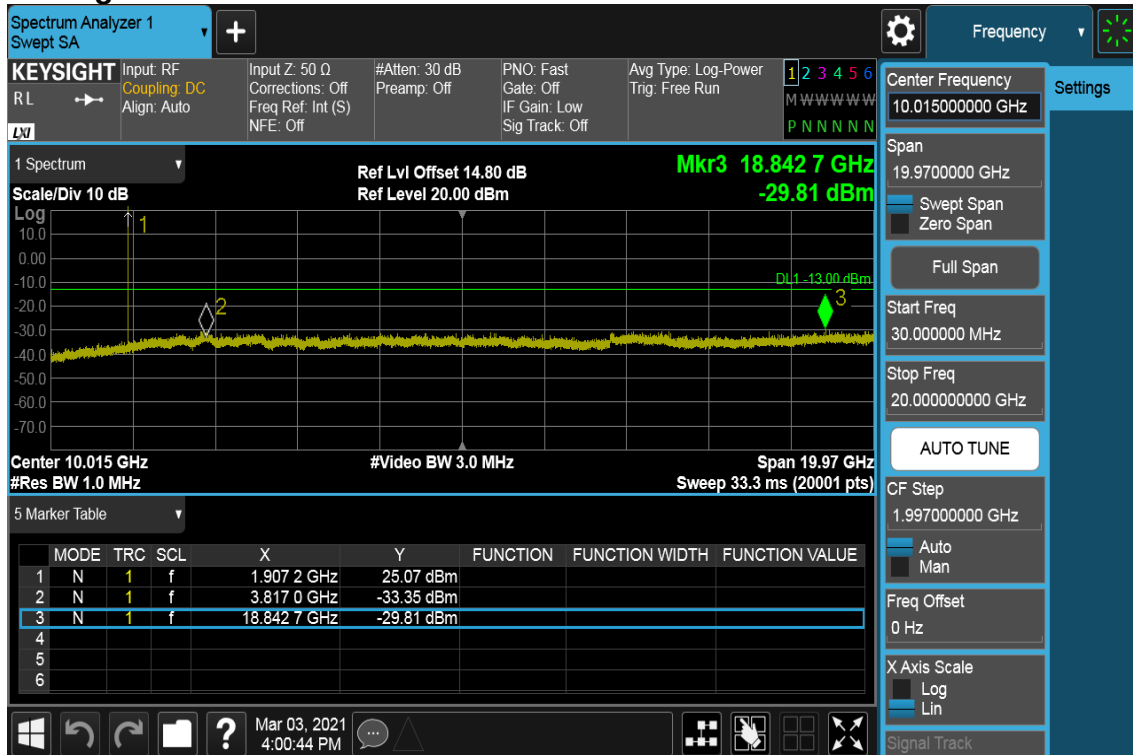


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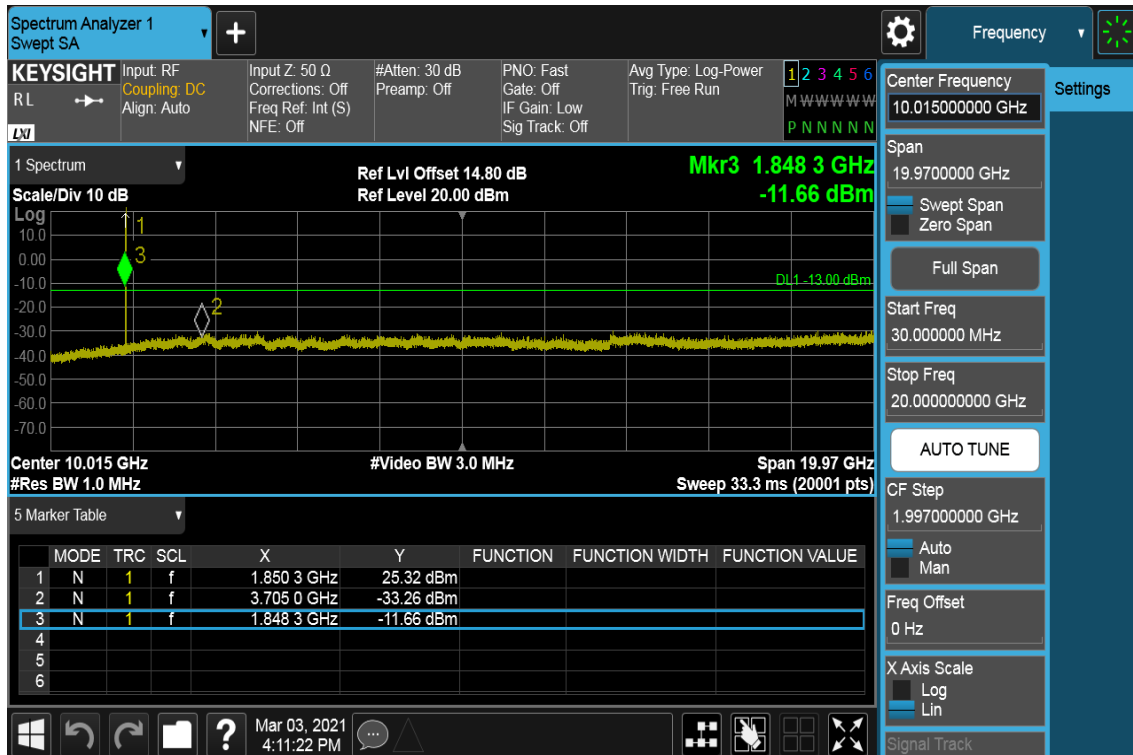
CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 5MHz / QPSK / RB =1, RB Offset = 0

CH Low



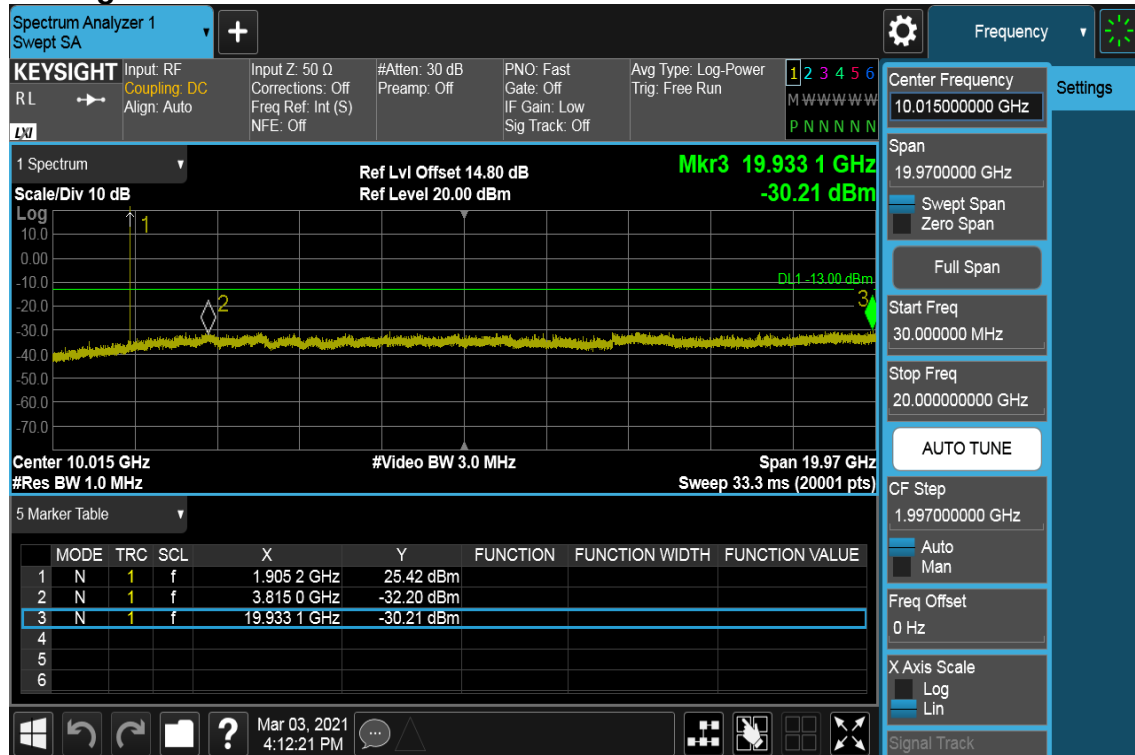
CH Mid





Report No.: T201102D09-RP9

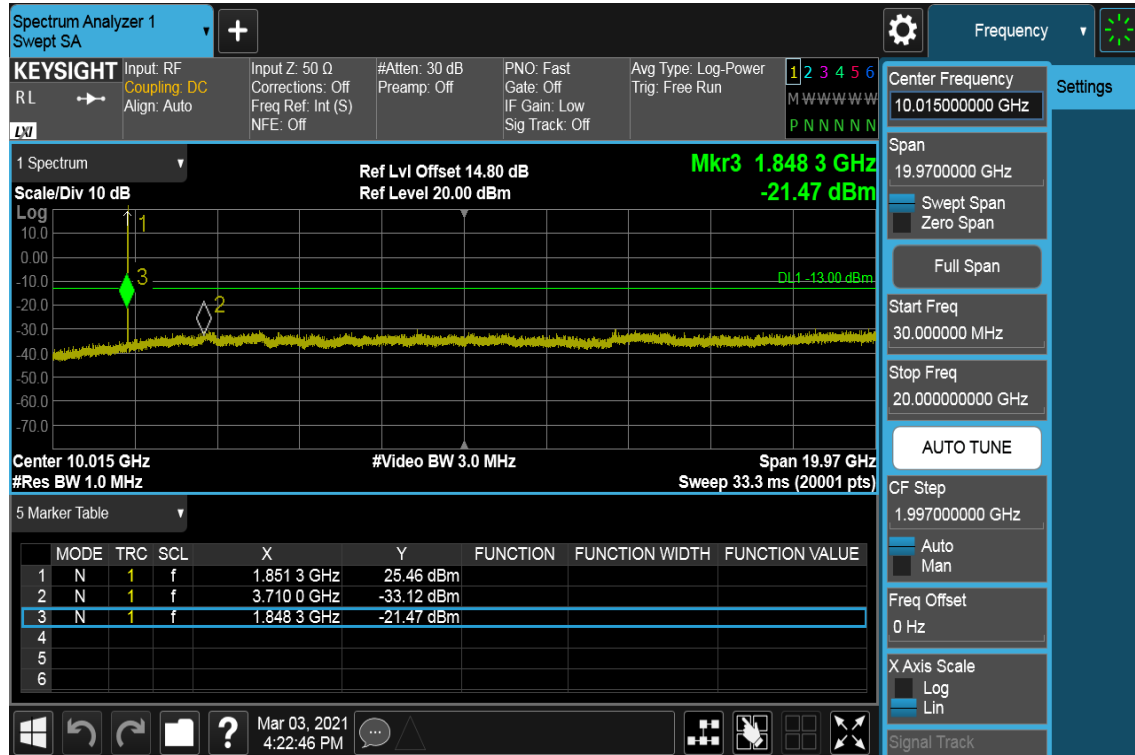
CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid





Report No.: T201102D09-RP9

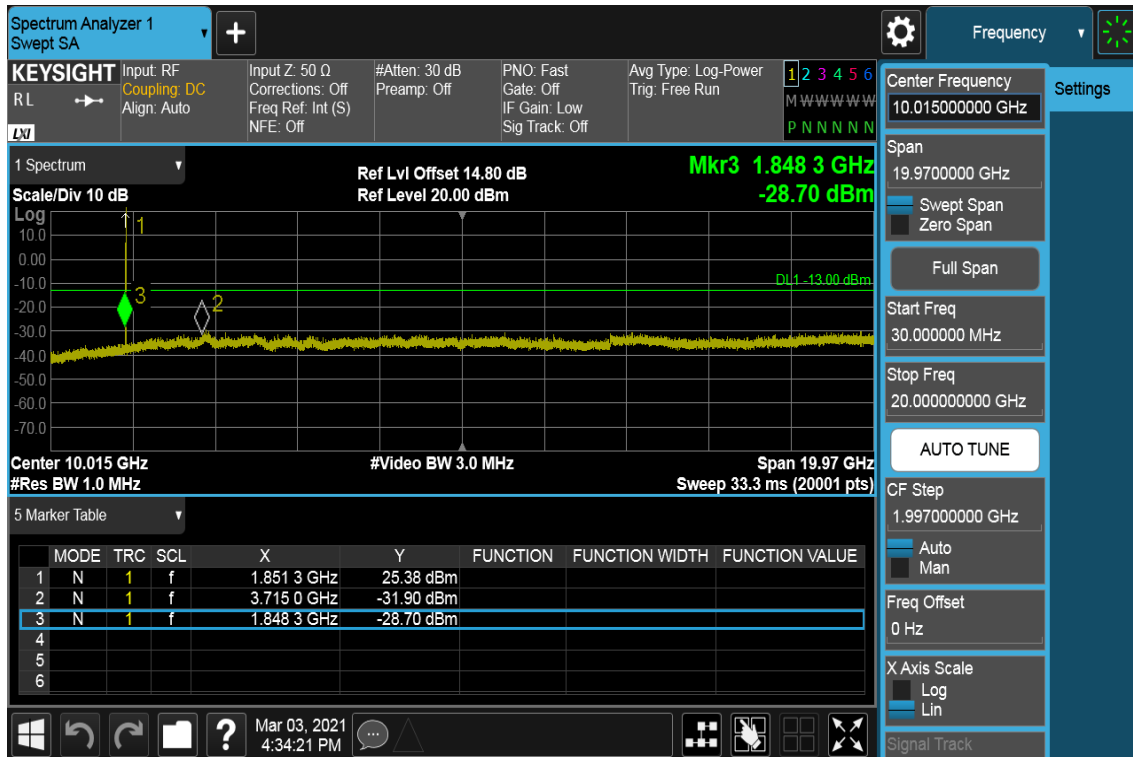
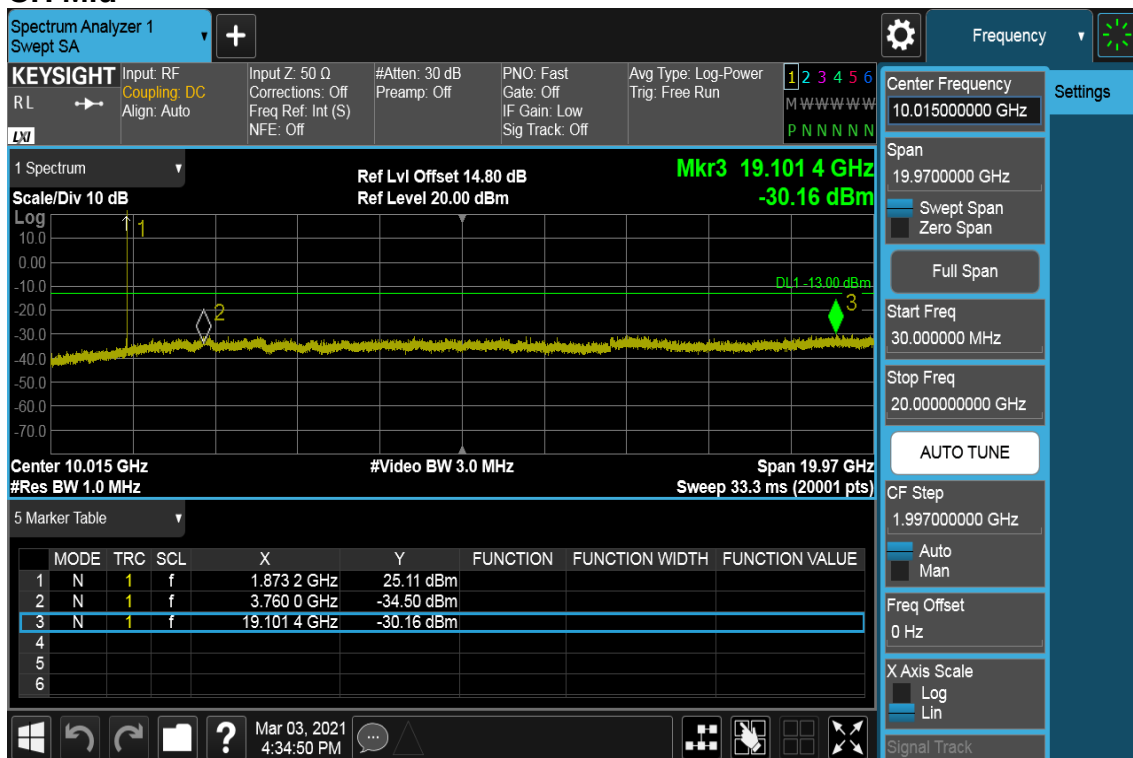
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CH High



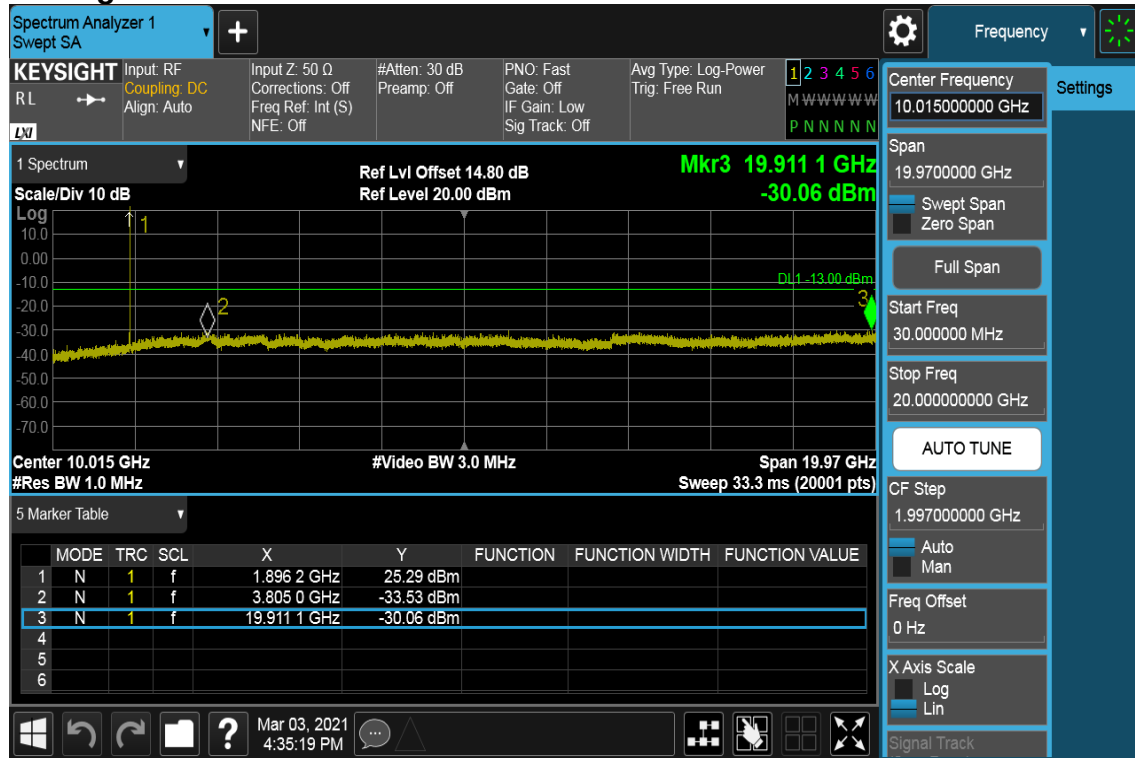
Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 15MHz / QPSK / RB =1, RB Offset = 0
CH Low**CH Mid**

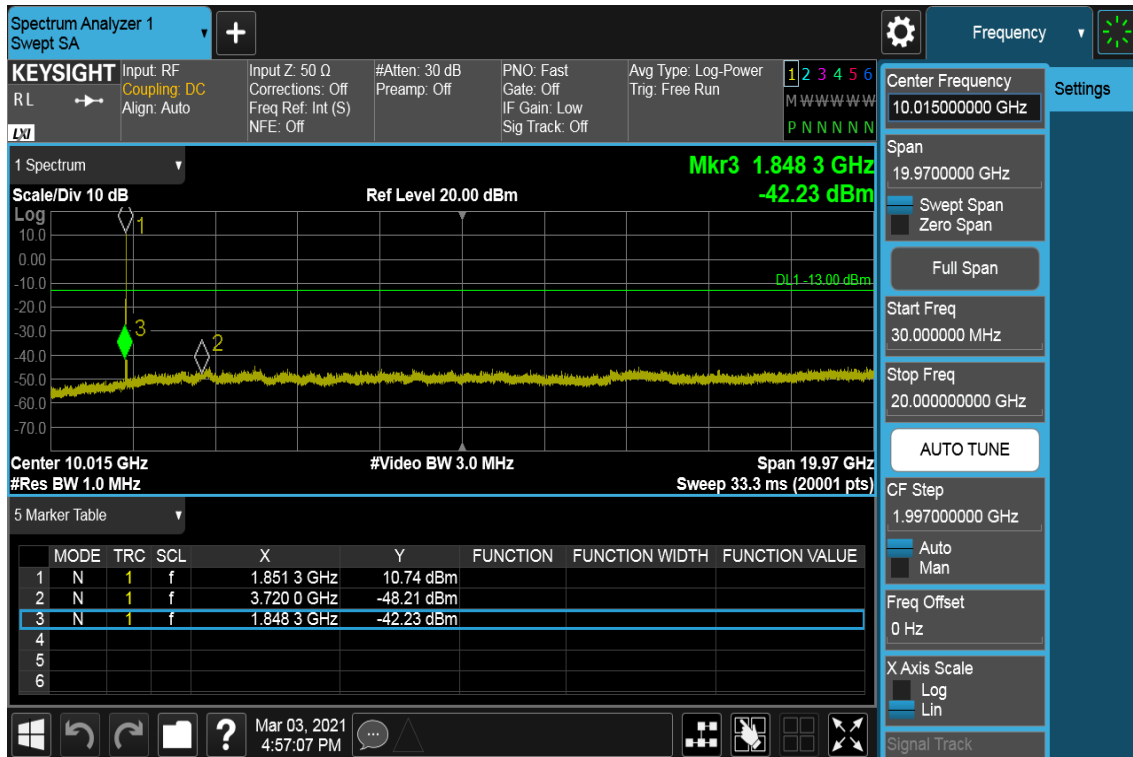


Report No.: T201102D09-RP9

CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 20MHz / QPSK / RB =1, RB Offset = 0
CH Low**CH Mid**



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CH High



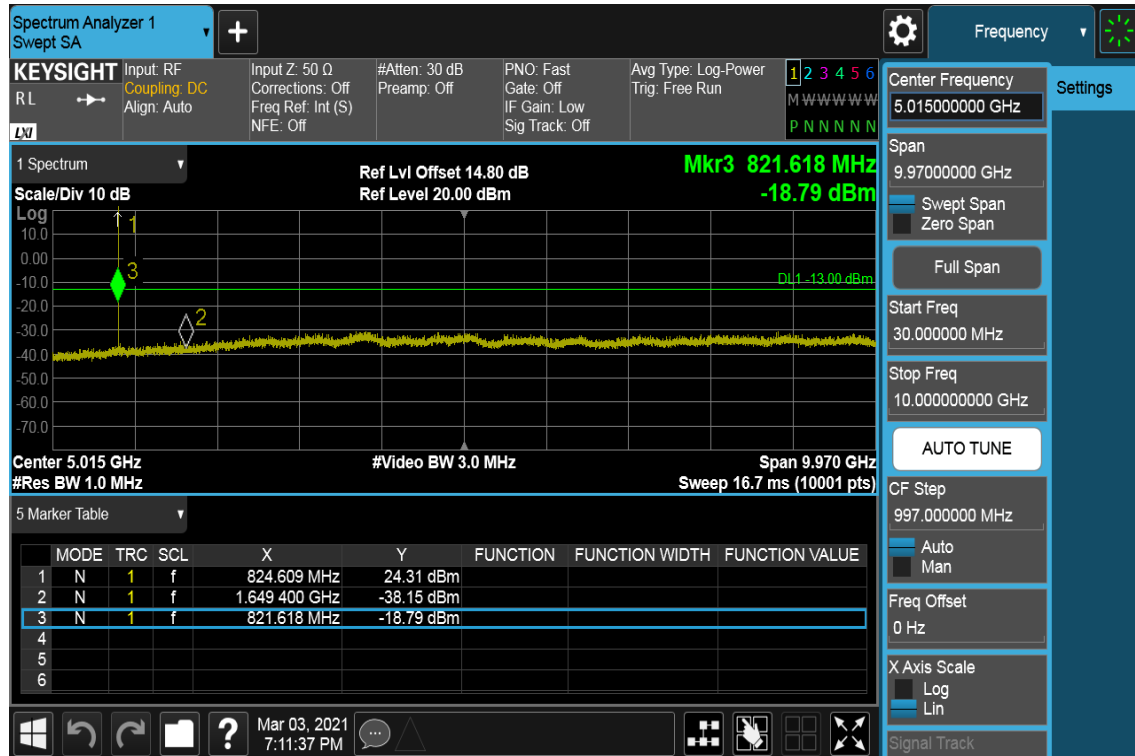
Report No.: T201102D09-RP9

Spurious Emission

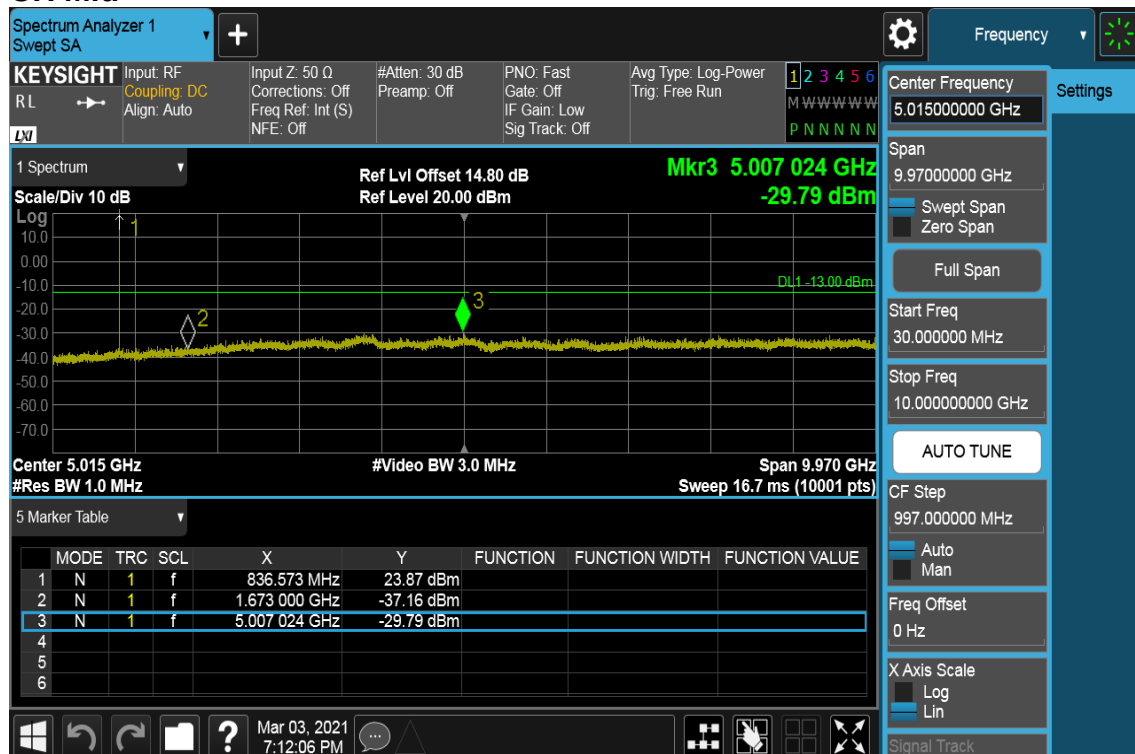
LTE Band 5

CHANNEL BANDWIDTH: 1.4MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



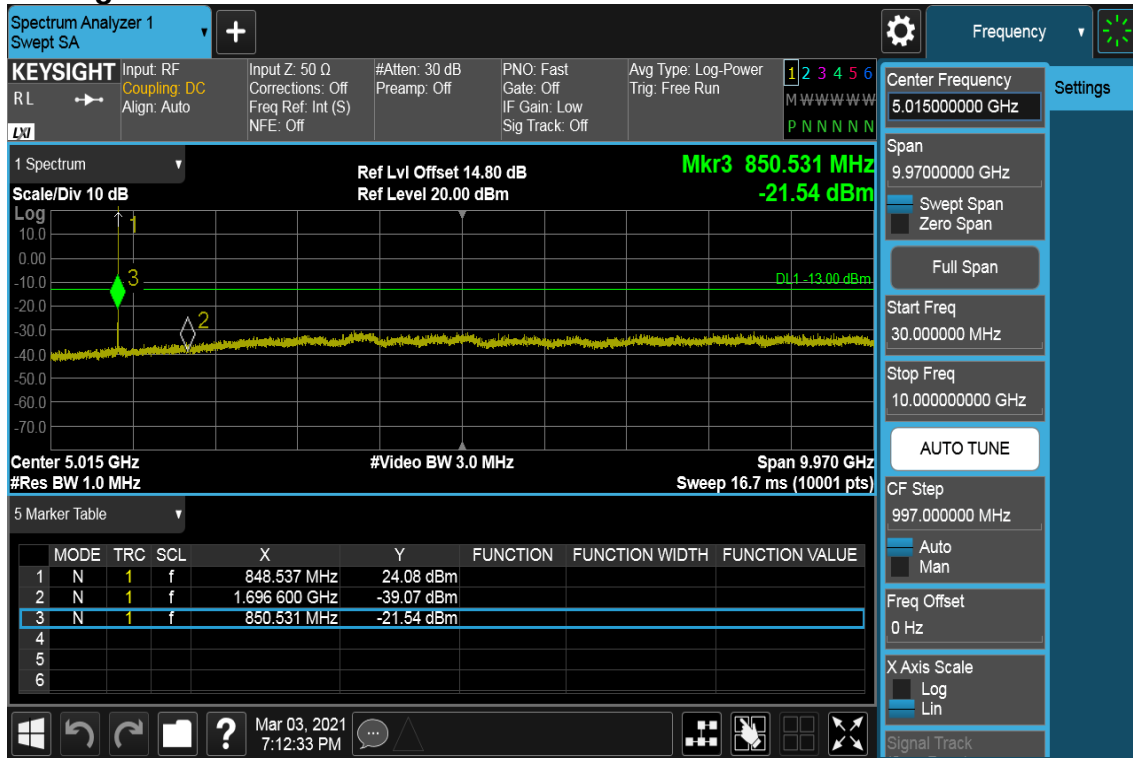


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CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 3MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



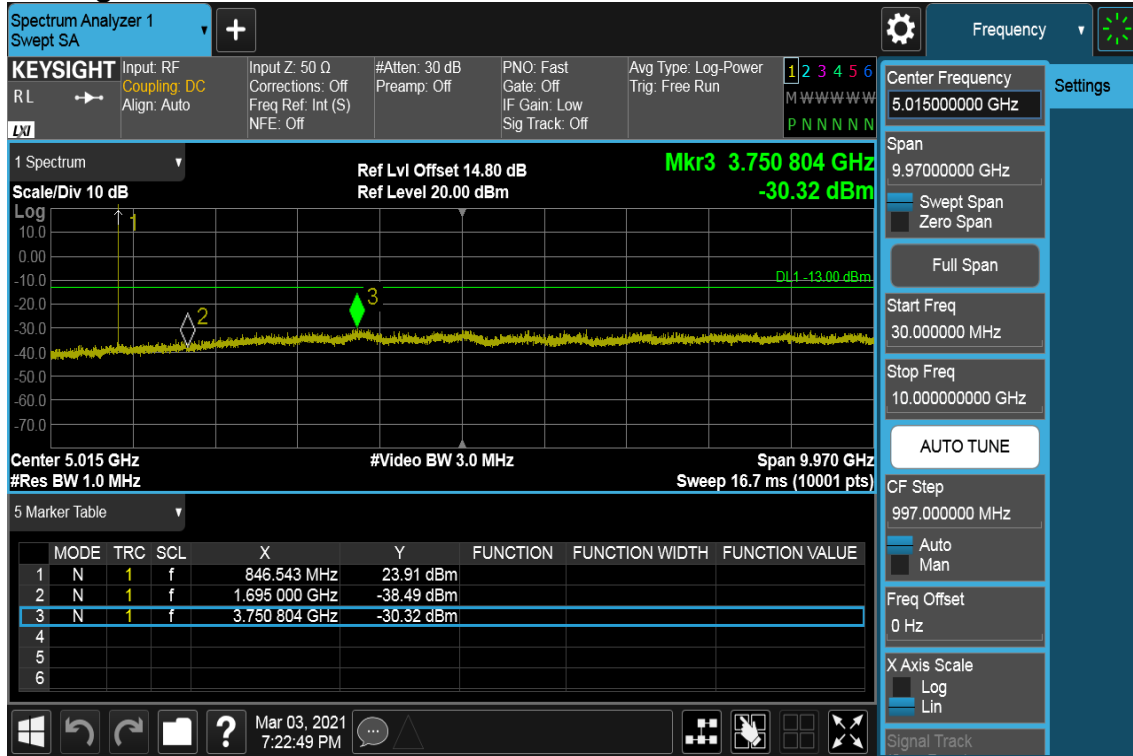


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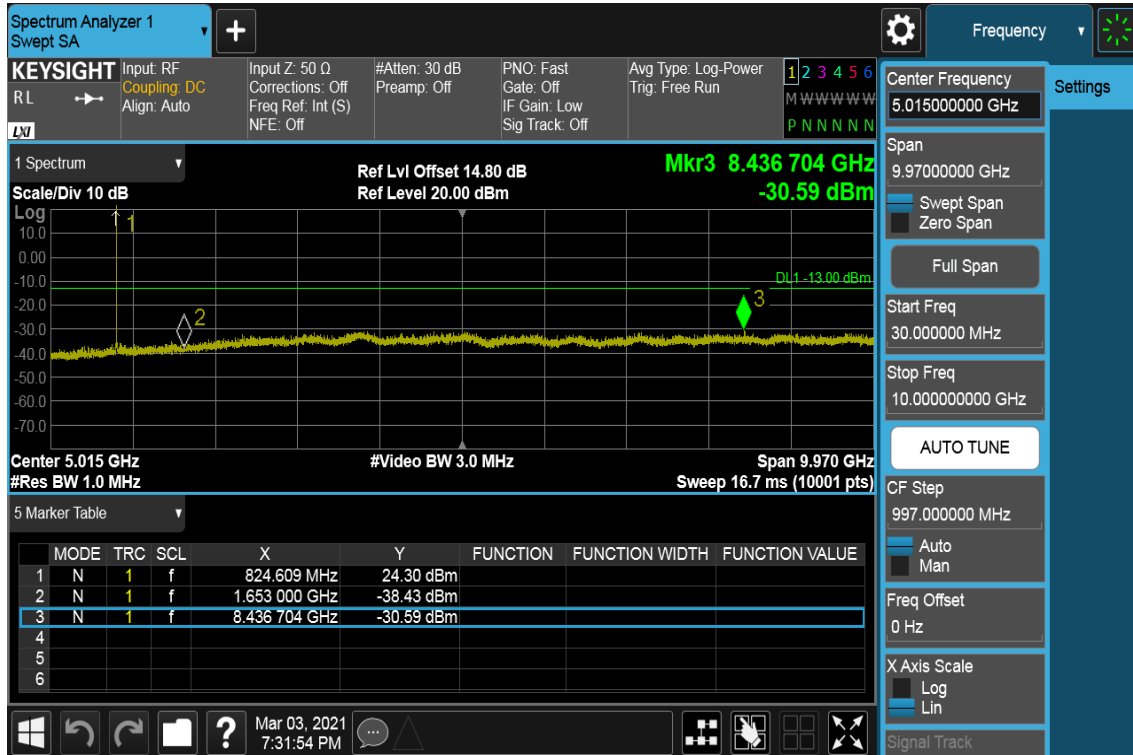
CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 5MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



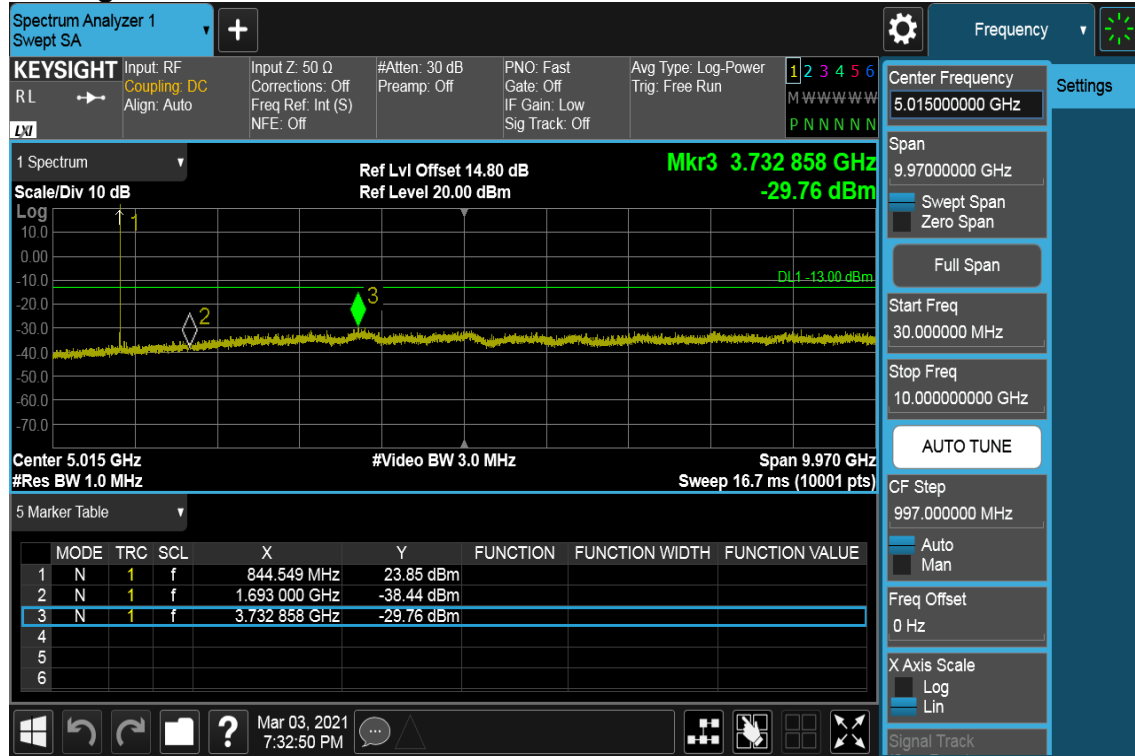


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CH High



Report No.: T201102D09-RP9

CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 0
CH Low**CH Mid**

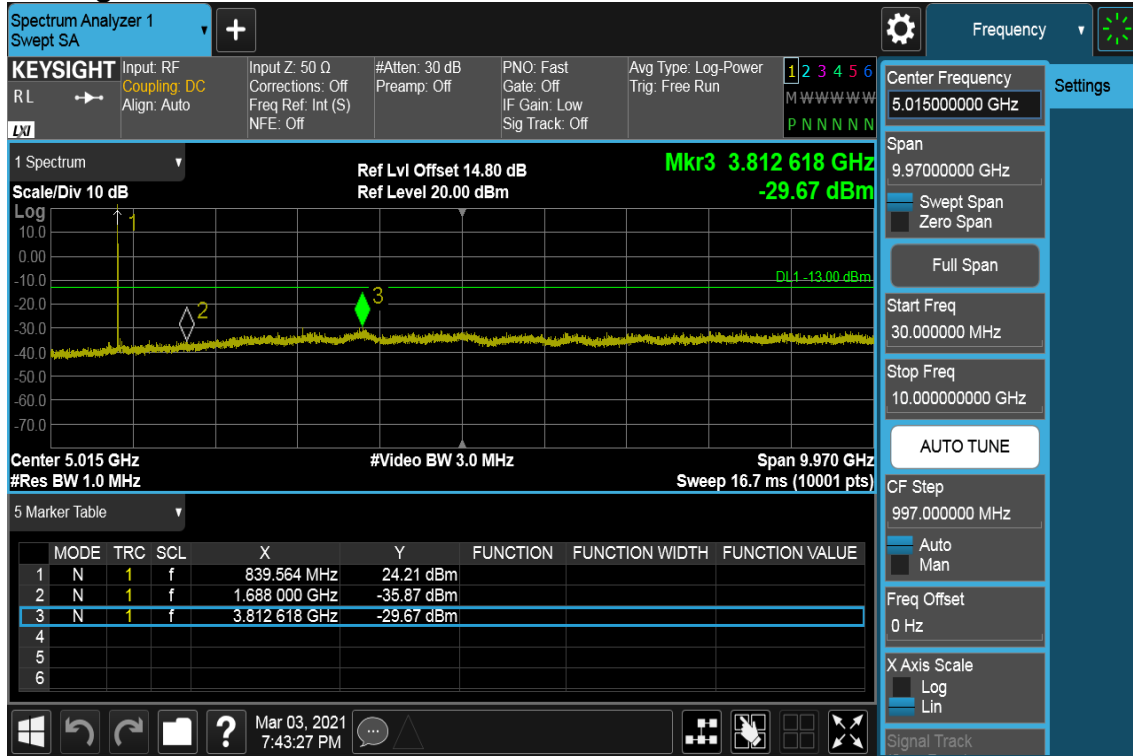


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CH High



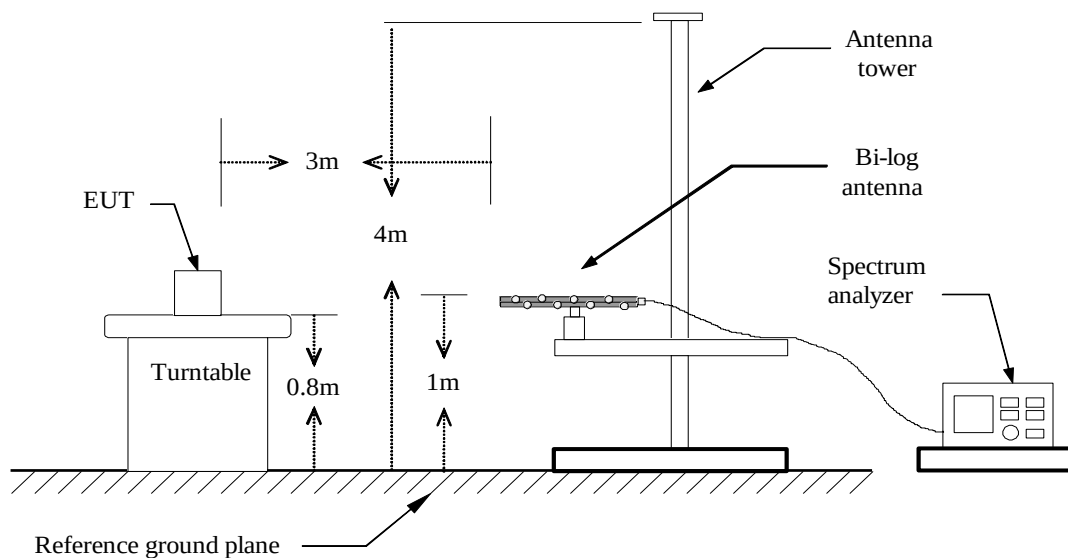
8.6 SPURIOUS RADIATION MEASUREMENT

LIMIT

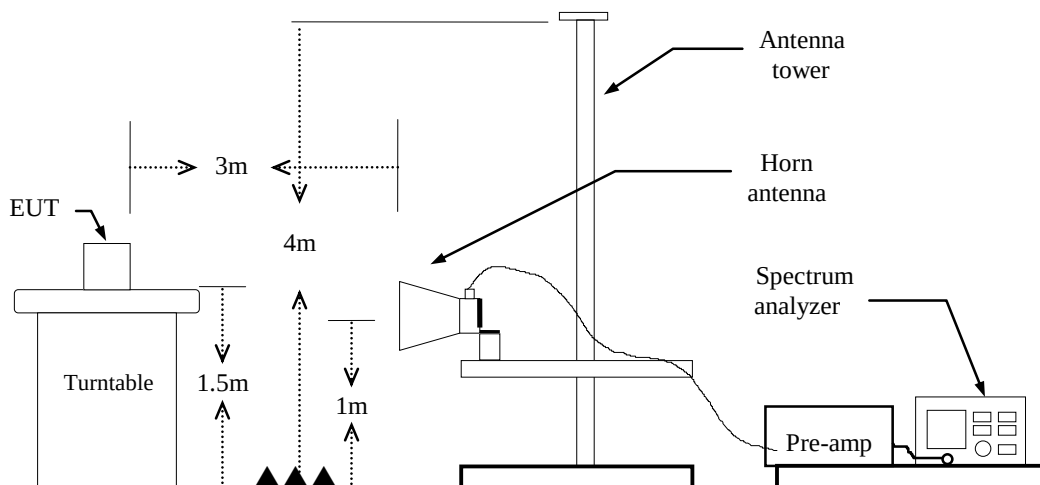
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

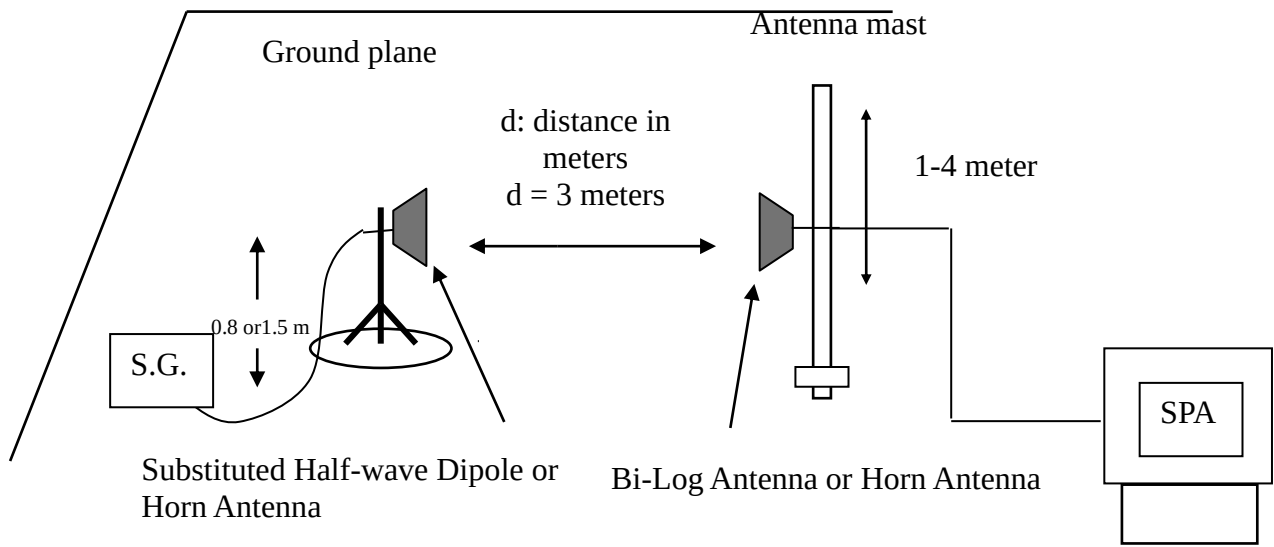
Test Configuration

Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up**TEST PROCEDURE**

1. According to KDB 971168 D01 and ANSI C63.26.
2. The EUT was placed on a turntable
 - (1) Below 1G : 0.8m
 - (2) Above 1G : 1.5m
 - (3) EUT set 3m from the receiving antenna
 - (4) The table was rotated 360 degrees of the highest spurious emission to determine the position.
3. Set the spectrum analyzer , RBW=1MHz, VBW=3MHz.
4. A horn antenna was driven by a signal generator.
5. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission

Test Results**LTE Band 5 / BW: 10MHz / QPSK / RB =1, RB Offset = 0****Operation Mode:** Tx / Low CH**Test Date:**

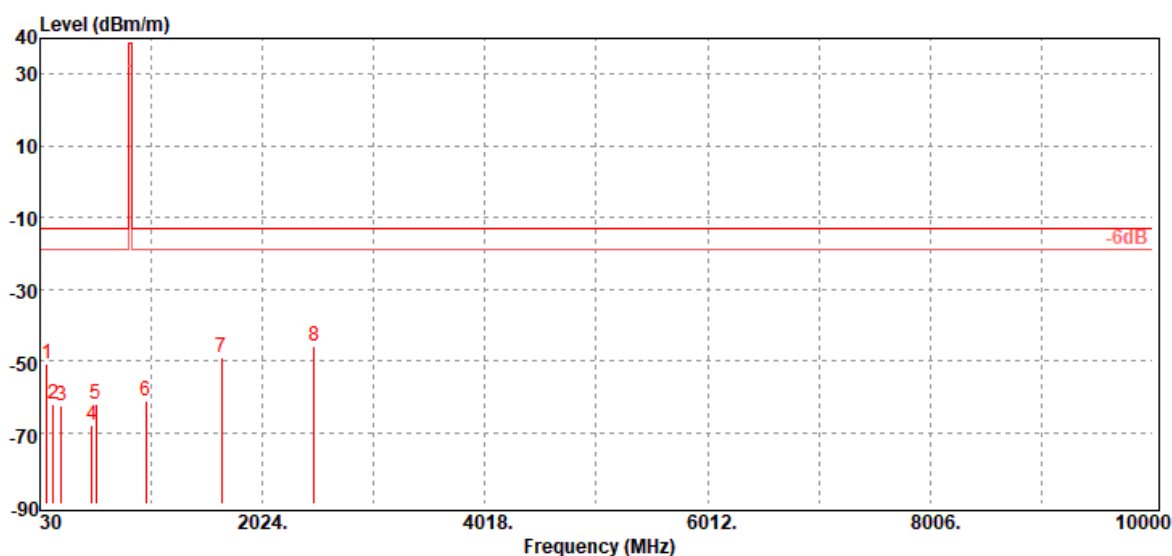
December 14, 2020

Temperature: 20.6°C**Tested by:**

Ray Li

Humidity: 65% RH**Polarity:**

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
88.20	-51.07	-43.14	-7.16	-0.77	-13.00	-38.07	V
149.31	-62.00	-53.83	-7.17	-1.00	-13.00	-49.00	V
221.09	-62.51	-59.31	-1.98	-1.22	-13.00	-49.51	V
492.69	-67.77	-63.83	-2.09	-1.85	-13.00	-54.77	V
532.46	-61.99	-58.77	-1.30	-1.92	-13.00	-48.99	V
975.75	-61.12	-57.10	-1.38	-2.64	-13.00	-48.12	V
1658.00	-48.87	-55.06	9.75	-3.56	-13.00	-35.87	V
2487.00	-45.80	-51.99	10.75	-4.56	-13.00	-32.80	V



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Operation Mode: Tx / Low CH

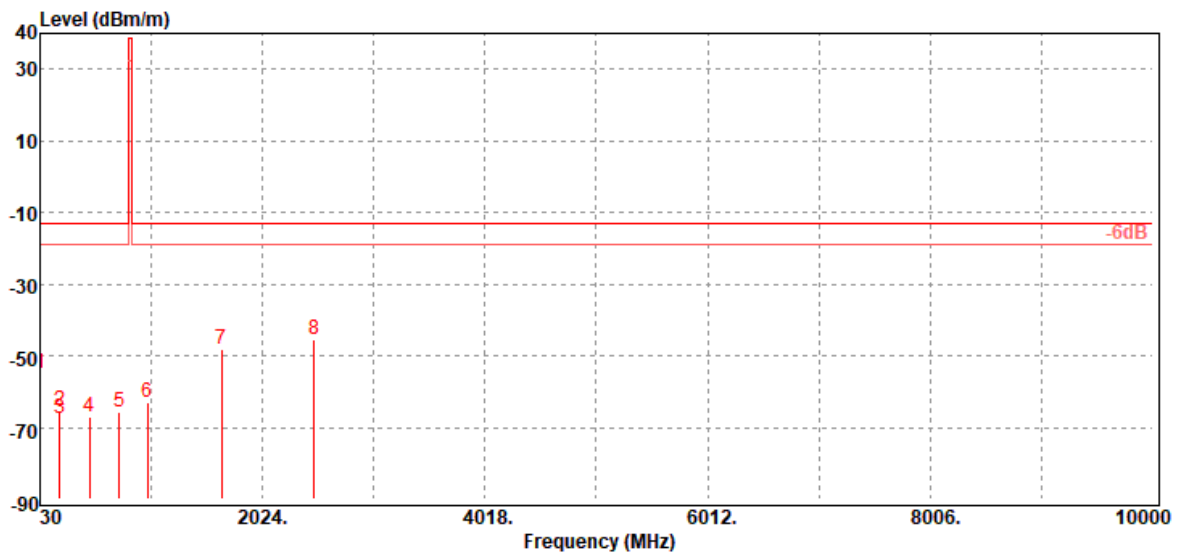
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
32.91	-54.83	-27.17	-27.19	-0.47	-13.00	-41.83	H
204.60	-65.07	-60.93	-2.96	-1.18	-13.00	-52.07	H
209.45	-67.72	-64.35	-2.18	-1.19	-13.00	-54.72	H
473.29	-67.11	-62.90	-2.40	-1.81	-13.00	-54.11	H
740.04	-65.65	-62.06	-1.30	-2.29	-13.00	-52.65	H
992.24	-63.08	-59.01	-1.40	-2.67	-13.00	-50.08	H
1658.00	-48.14	-54.33	9.75	-3.56	-13.00	-35.14	H
2487.00	-45.41	-51.60	10.75	-4.56	-13.00	-32.41	H



Report No.: T201102D09-RP9

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Rev.: 00

Operation Mode: Tx / Mid CH

Test Date:

December 14, 2020

Temperature: 20.6°C

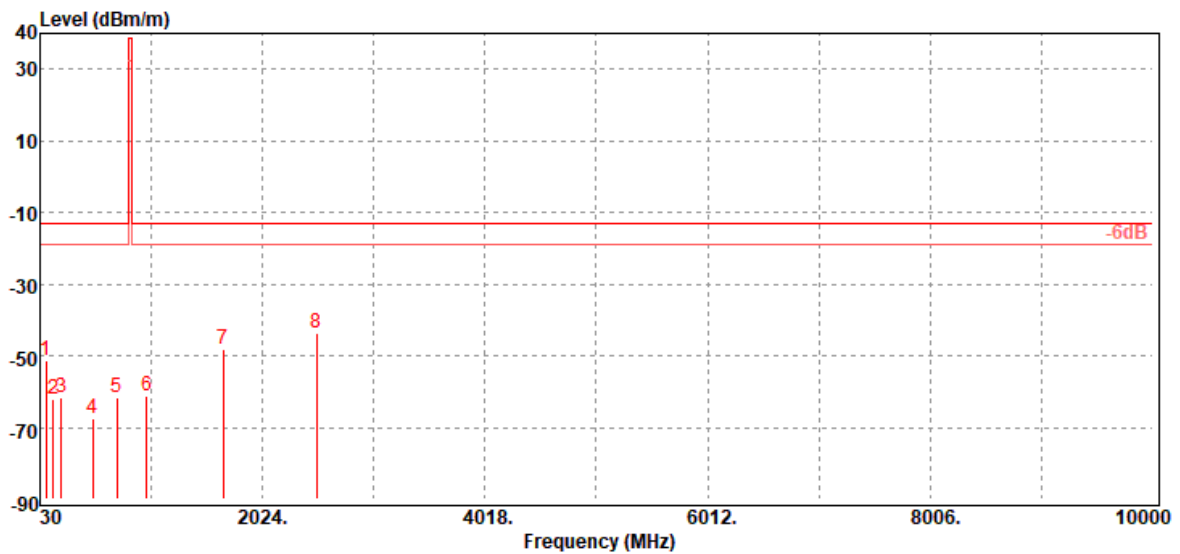
Tested by:

Ray Li

Humidity: 65% RH

Polarity:

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
86.26	-51.09	-42.78	-7.55	-0.76	-13.00	-38.09	V
149.31	-62.07	-53.90	-7.17	-1.00	-13.00	-49.07	V
222.06	-61.65	-58.47	-1.96	-1.22	-13.00	-48.65	V
500.45	-67.59	-63.73	-1.99	-1.87	-13.00	-54.59	V
715.79	-61.62	-57.97	-1.40	-2.25	-13.00	-48.62	V
988.36	-61.22	-57.16	-1.40	-2.66	-13.00	-48.22	V
1673.00	-48.29	-54.55	9.84	-3.58	-13.00	-35.29	V
2509.50	-43.46	-49.67	10.80	-4.59	-13.00	-30.46	V



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Operation Mode: Tx / Mid CH

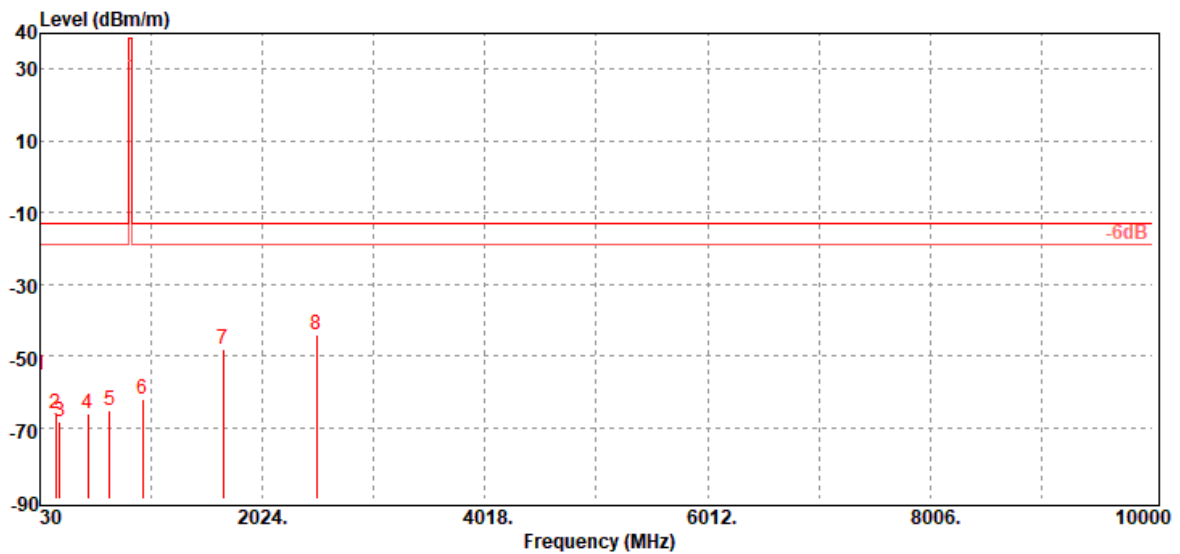
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
32.91	-55.39	-27.73	-27.19	-0.47	-13.00	-42.39	H
172.59	-66.01	-59.79	-5.14	-1.08	-13.00	-53.01	H
209.45	-68.35	-64.98	-2.18	-1.19	-13.00	-55.35	H
458.74	-66.24	-62.36	-2.10	-1.78	-13.00	-53.24	H
655.65	-65.35	-61.62	-1.57	-2.16	-13.00	-52.35	H
946.65	-62.05	-58.24	-1.20	-2.61	-13.00	-49.05	H
1673.00	-48.06	-54.32	9.84	-3.58	-13.00	-35.06	H
2509.50	-44.26	-50.47	10.80	-4.59	-13.00	-31.26	H



Report No.: T201102D09-RP9

Operation Mode: Tx / High CH

Test Date:

December 14, 2020

Temperature: 20.6°C

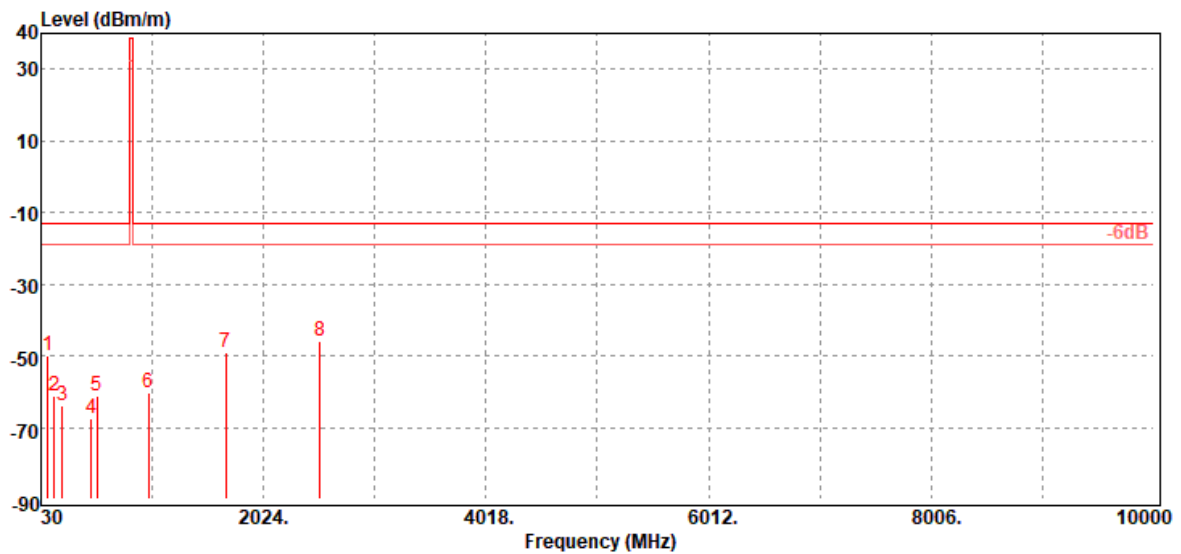
Tested by:

Ray Li

Humidity: 65% RH

Polarity:

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
88.20	-49.77	-41.84	-7.16	-0.77	-13.00	-36.77	V
151.25	-61.04	-52.98	-7.05	-1.01	-13.00	-48.04	V
221.09	-63.75	-60.55	-1.98	-1.22	-13.00	-50.75	V
481.05	-67.57	-63.37	-2.38	-1.82	-13.00	-54.57	V
532.46	-61.43	-58.21	-1.30	-1.92	-13.00	-48.43	V
990.30	-60.15	-56.09	-1.40	-2.66	-13.00	-47.15	V
1688.00	-48.87	-55.20	9.93	-3.60	-13.00	-35.87	V
2532.00	-45.94	-52.13	10.80	-4.61	-13.00	-32.94	V



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Operation Mode: Tx / High CH

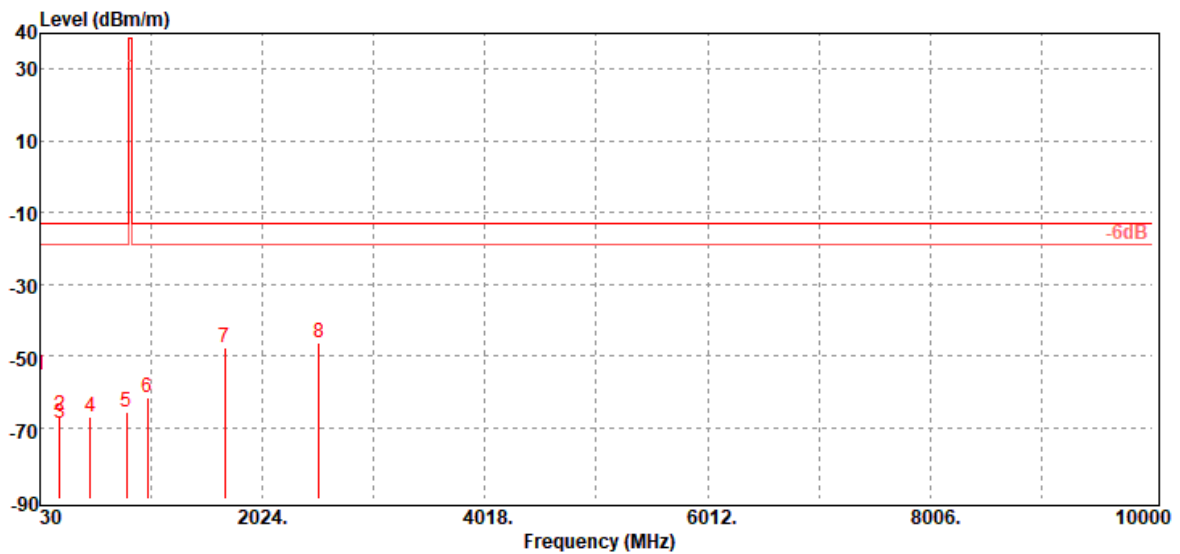
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
32.91	-55.55	-27.89	-27.19	-0.47	-13.00	-42.55	H
204.60	-66.42	-62.28	-2.96	-1.18	-13.00	-53.42	H
209.45	-68.85	-65.48	-2.18	-1.19	-13.00	-55.85	H
478.14	-67.10	-62.88	-2.40	-1.82	-13.00	-54.10	H
803.09	-65.55	-61.81	-1.36	-2.38	-13.00	-52.55	H
992.24	-61.51	-57.44	-1.40	-2.67	-13.00	-48.51	H
1688.00	-47.67	-54.00	9.93	-3.60	-13.00	-34.67	H
2532.00	-46.33	-52.52	10.80	-4.61	-13.00	-33.33	H



Report No.: T201102D09-RP9

LTE Band 2 / BW: 20MHz / QPSK / RB =1, RB Offset = 0**Operation Mode:** Tx / Low CH**Test Date:**

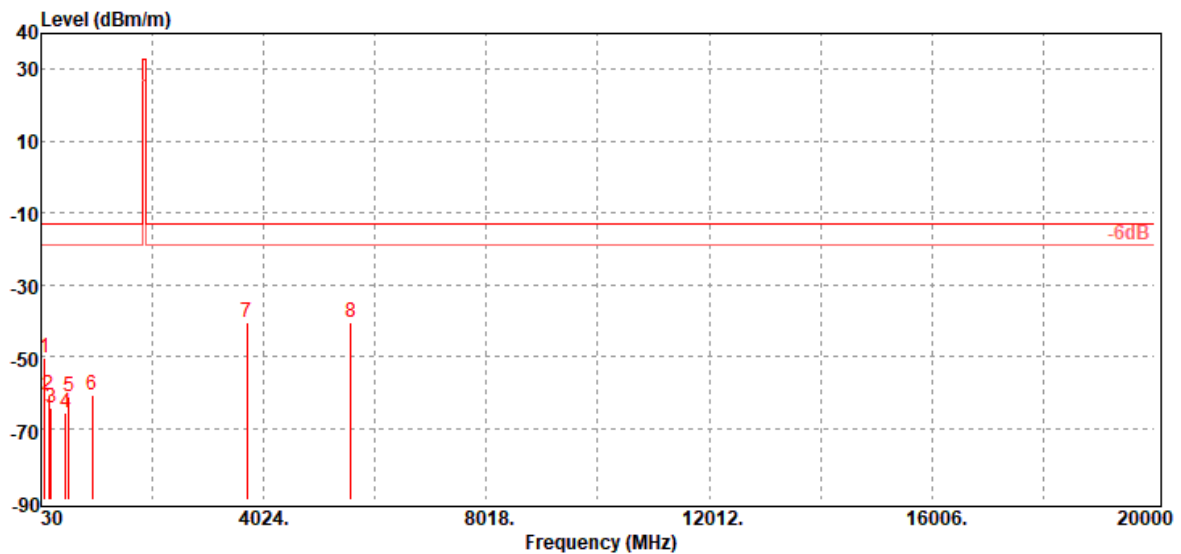
December 14, 2020

Temperature: 20.6°C**Tested by:**

Ray Li

Humidity: 65% RH**Polarity:**

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
88.20	-50.61	-42.68	-7.16	-0.77	-13.00	-37.61	V
172.59	-60.81	-54.59	-5.14	-1.08	-13.00	-47.81	V
217.21	-64.51	-61.24	-2.06	-1.21	-13.00	-51.51	V
463.59	-65.92	-61.89	-2.24	-1.79	-13.00	-52.92	V
532.46	-61.10	-57.88	-1.30	-1.92	-13.00	-48.10	V
944.71	-60.59	-56.77	-1.21	-2.61	-13.00	-47.59	V
3720.00	-40.58	-47.31	12.46	-5.73	-13.00	-27.58	V
5580.00	-40.45	-46.48	13.14	-7.11	-13.00	-27.45	V



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Operation Mode: Tx / Low CH

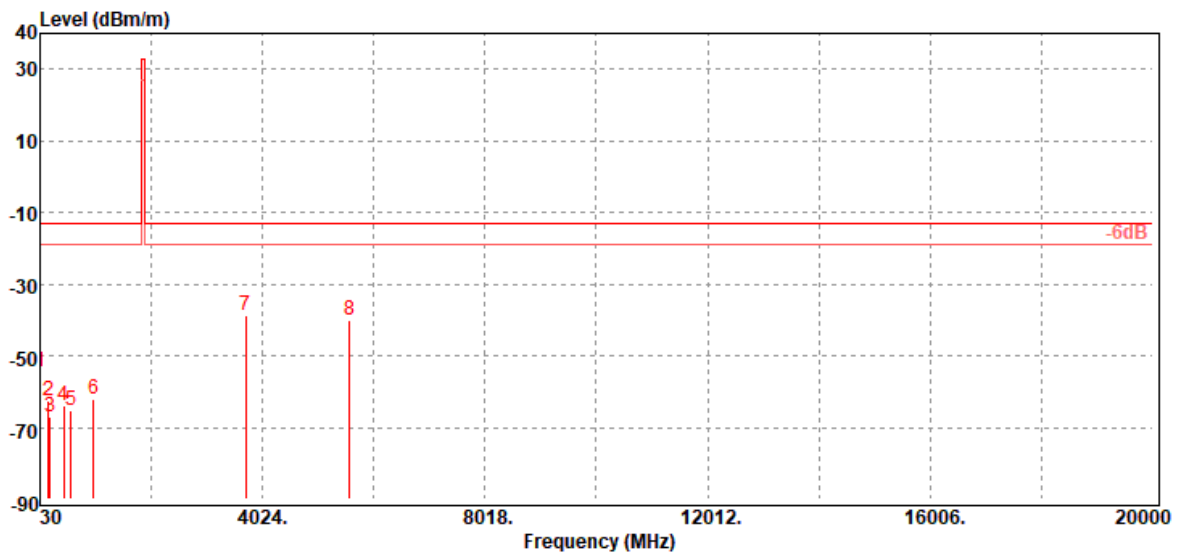
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
42.61	-54.54	-36.26	-17.75	-0.53	-13.00	-41.54	H
175.50	-62.37	-56.43	-4.85	-1.09	-13.00	-49.37	H
209.45	-66.95	-63.58	-2.18	-1.19	-13.00	-53.95	H
454.86	-63.81	-59.94	-2.10	-1.77	-13.00	-50.81	H
587.75	-65.41	-62.28	-1.09	-2.04	-13.00	-52.41	H
990.30	-61.97	-57.91	-1.40	-2.66	-13.00	-48.97	H
3720.00	-38.91	-45.64	12.46	-5.73	-13.00	-25.91	H
5580.00	-39.91	-45.94	13.14	-7.11	-13.00	-26.91	H

Operation Mode: Tx / Mid CH**Test Date:**

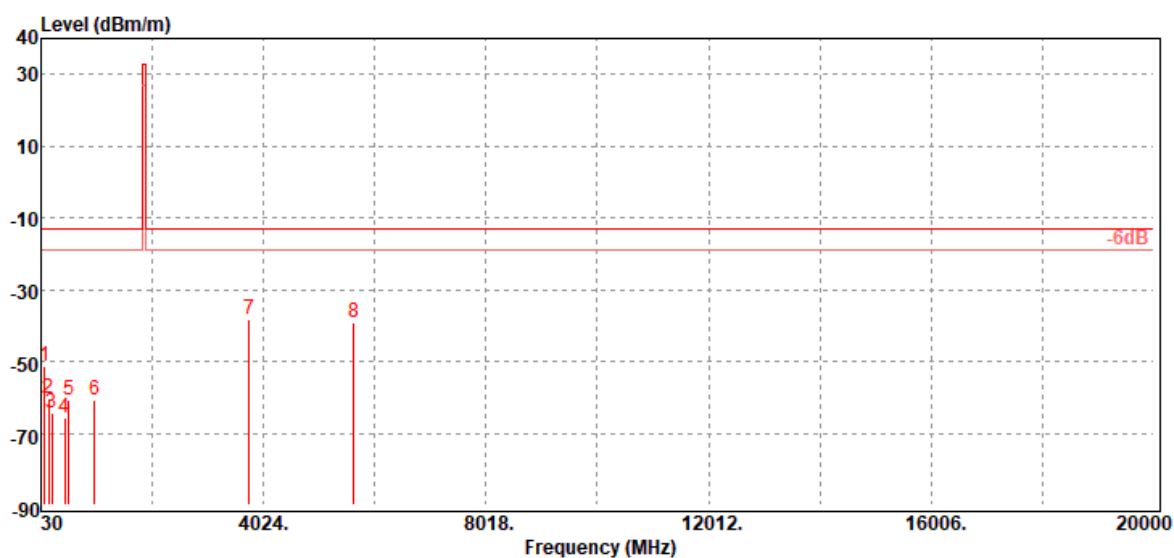
December 14, 2020

Temperature: 20.6°C**Tested by:**

Ray Li

Humidity: 65% RH**Polarity:**

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
88.20	-51.53	-43.60	-7.16	-0.77	-13.00	-38.53	V
173.56	-60.21	-54.14	-4.99	-1.08	-13.00	-47.21	V
221.09	-64.45	-61.25	-1.98	-1.22	-13.00	-51.45	V
461.65	-65.76	-61.81	-2.17	-1.78	-13.00	-52.76	V
531.49	-60.54	-57.32	-1.30	-1.92	-13.00	-47.54	V
985.45	-60.87	-56.81	-1.40	-2.66	-13.00	-47.87	V
3760.00	-38.33	-44.99	12.42	-5.76	-13.00	-25.33	V
5640.00	-39.03	-45.15	13.26	-7.14	-13.00	-26.03	V



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Rev.: 00

Operation Mode: Tx / Mid CH

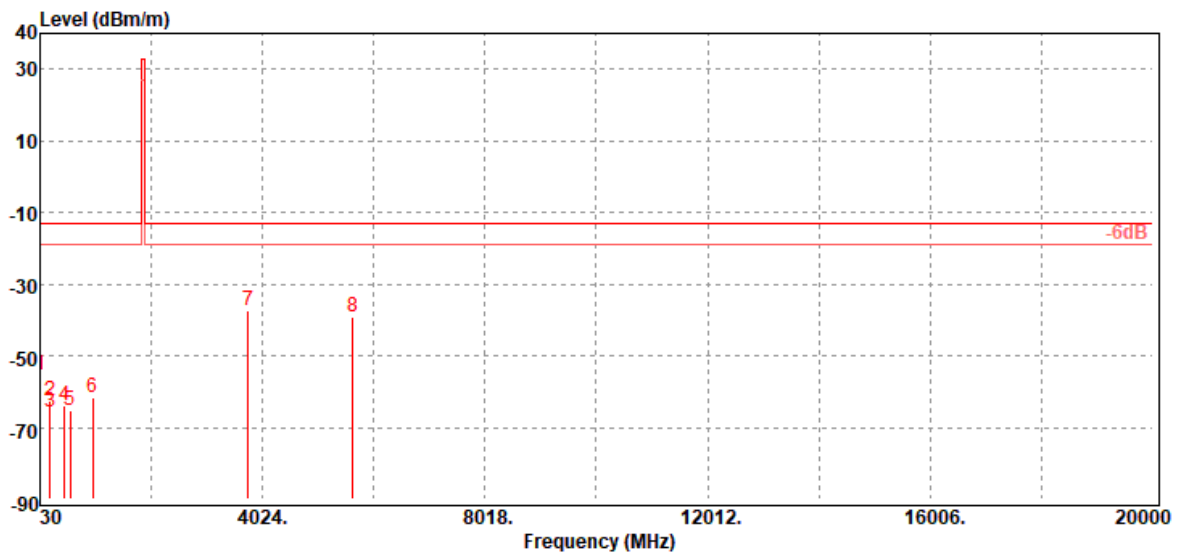
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
32.91	-55.50	-27.84	-27.19	-0.47	-13.00	-42.50	H
204.60	-62.73	-58.59	-2.96	-1.18	-13.00	-49.73	H
209.45	-65.87	-62.50	-2.18	-1.19	-13.00	-52.87	H
463.59	-63.80	-59.77	-2.24	-1.79	-13.00	-50.80	H
566.41	-65.16	-61.77	-1.40	-1.99	-13.00	-52.16	H
983.51	-61.79	-57.77	-1.37	-2.65	-13.00	-48.79	H
3760.00	-37.48	-44.14	12.42	-5.76	-13.00	-24.48	H
5640.00	-39.07	-45.19	13.26	-7.14	-13.00	-26.07	H

Operation Mode: Tx / High CH**Test Date:**

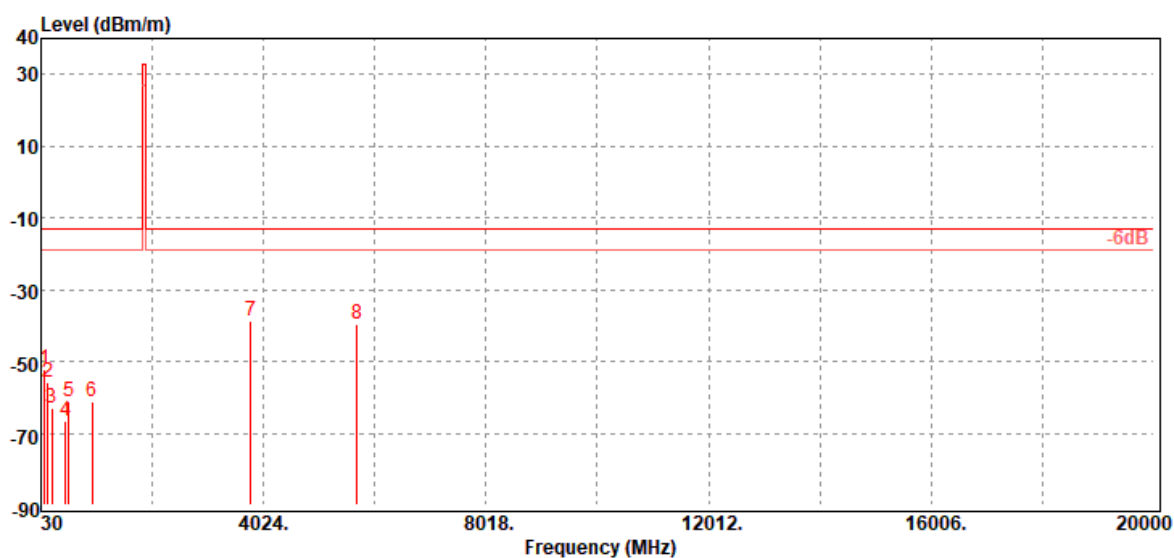
December 14, 2020

Temperature: 20.6°C**Tested by:**

Ray Li

Humidity: 65% RH**Polarity:**

Ver.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
88.20	-52.26	-44.33	-7.16	-0.77	-13.00	-39.26	V
151.25	-55.89	-47.83	-7.05	-1.01	-13.00	-42.89	V
224.00	-63.04	-59.89	-1.92	-1.23	-13.00	-50.04	V
466.50	-66.79	-62.67	-2.33	-1.79	-13.00	-53.79	V
532.46	-61.32	-58.10	-1.30	-1.92	-13.00	-48.32	V
941.80	-61.06	-57.20	-1.26	-2.60	-13.00	-48.06	V
3800.00	-38.80	-45.51	12.50	-5.79	-13.00	-25.80	V
5700.00	-39.79	-45.72	13.10	-7.17	-13.00	-26.79	V



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Rev.: 00

Operation Mode: Tx / High CH

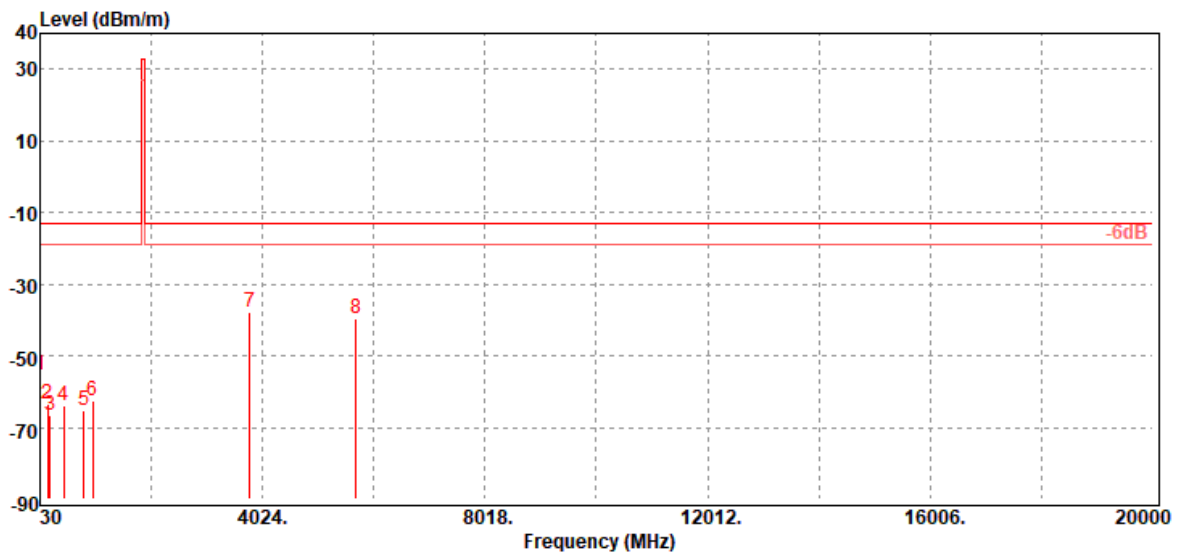
Test Date: December 14, 2020

Temperature: 20.6°C

Tested by: Ray Li

Humidity: 65% RH

Polarity: Hor.



Freq. (MHz)	ERP/EIRP (dBm)	SG Output Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
31.94	-55.58	-26.95	-28.16	-0.47	-13.00	-42.58	H
172.59	-63.55	-57.33	-5.14	-1.08	-13.00	-50.55	H
209.45	-66.39	-63.02	-2.18	-1.19	-13.00	-53.39	H
460.68	-64.06	-60.15	-2.13	-1.78	-13.00	-51.06	H
815.70	-65.39	-61.56	-1.43	-2.40	-13.00	-52.39	H
970.90	-62.57	-58.61	-1.32	-2.64	-13.00	-49.57	H
3800.00	-37.86	-44.57	12.50	-5.79	-13.00	-24.86	H
5700.00	-39.56	-45.49	13.10	-7.17	-13.00	-26.56	H

- End of Test Report -