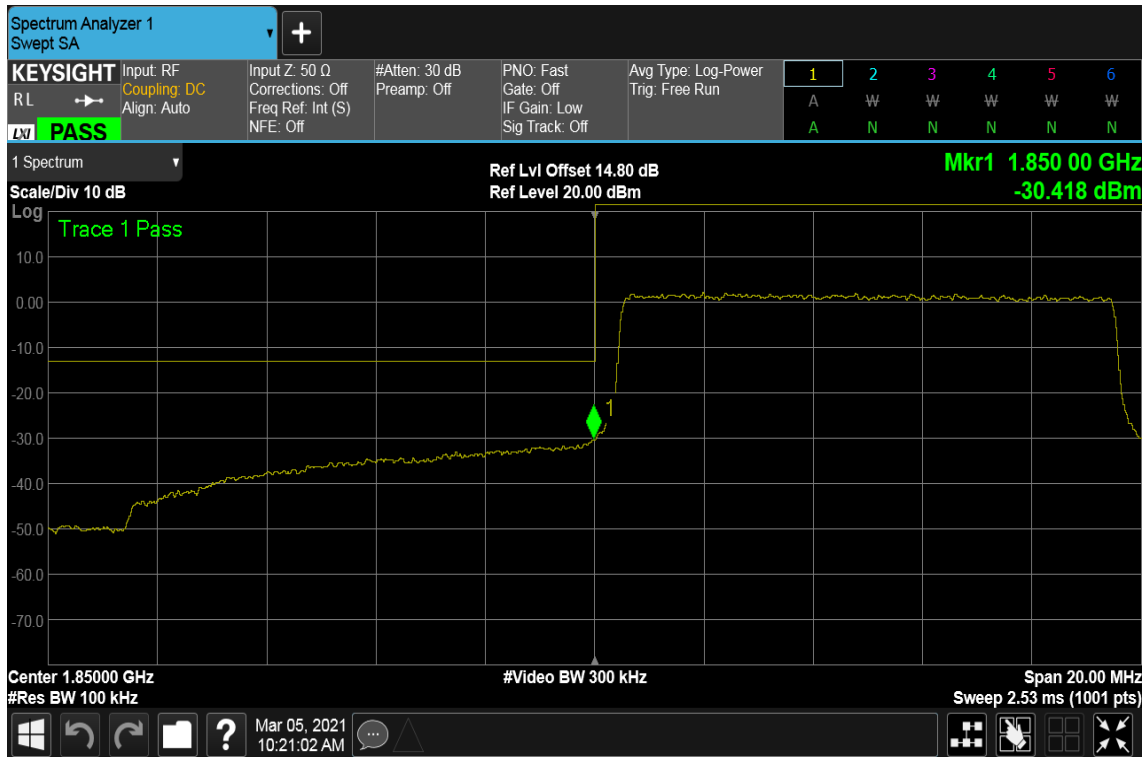


Report No.: T201102D09-RP12

CHANNEL BANDWIDTH: 10MHz / QPSK / RB =50, RB Offset = 0

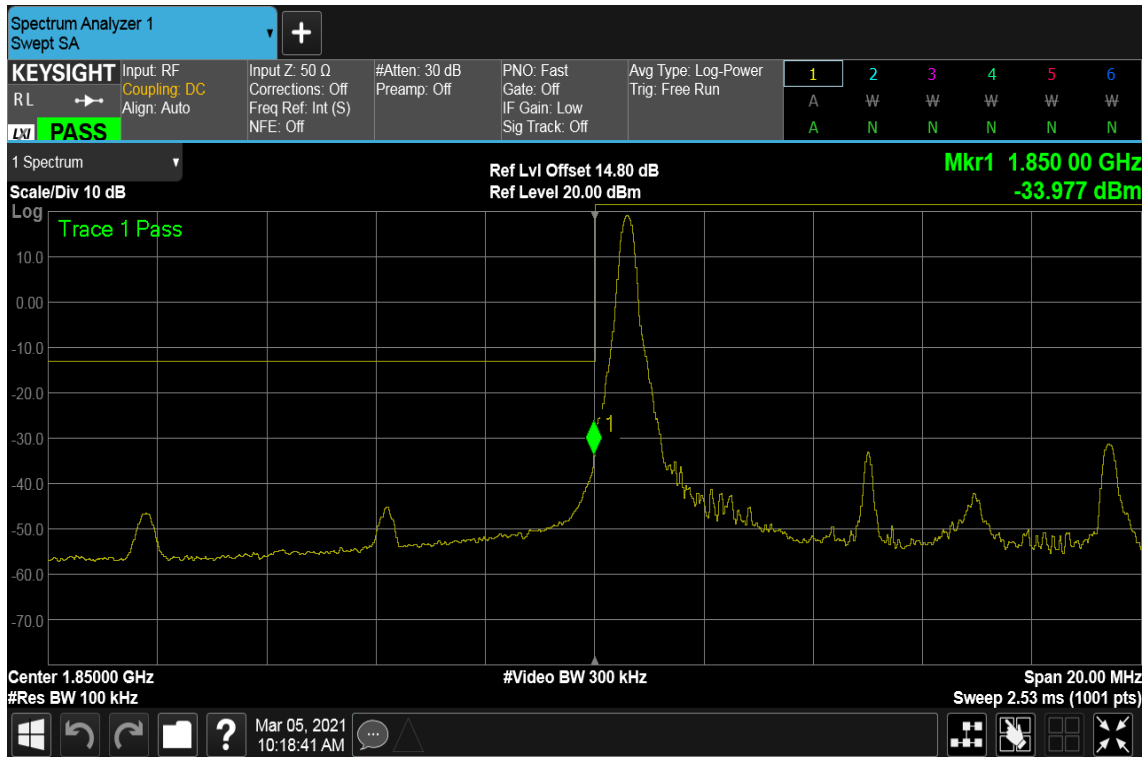
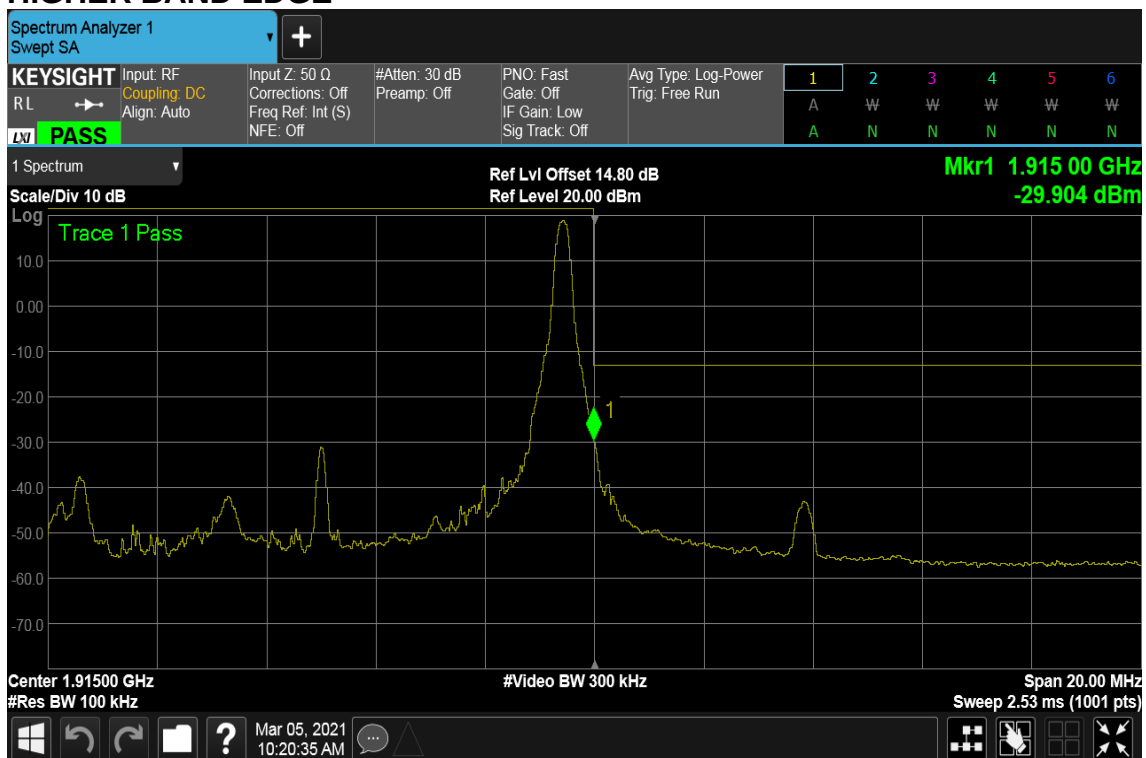
LOWER BAND EDGE



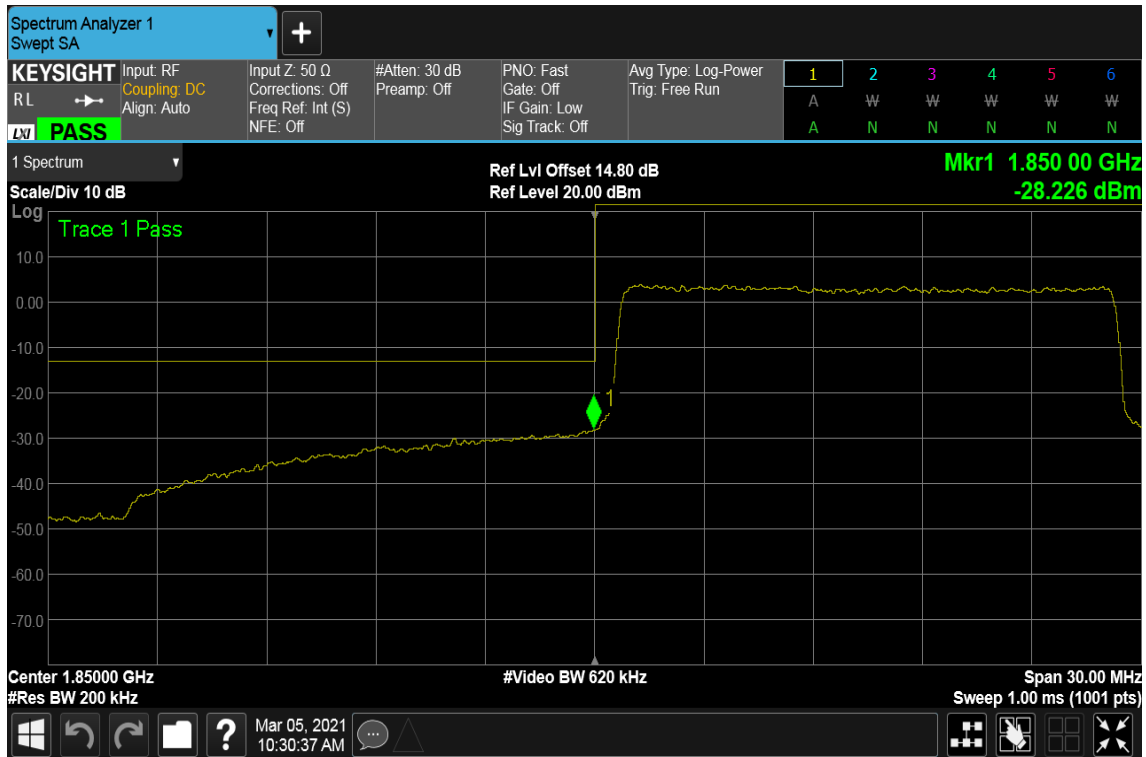
HIGHER BAND EDGE

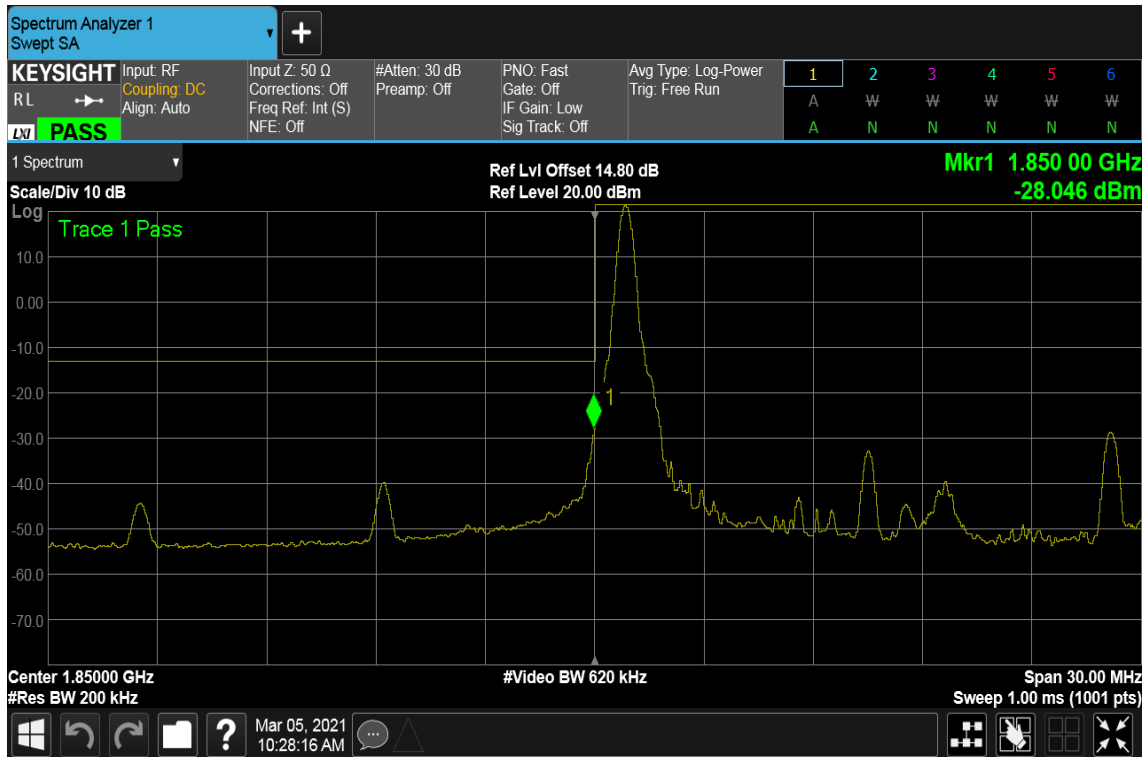
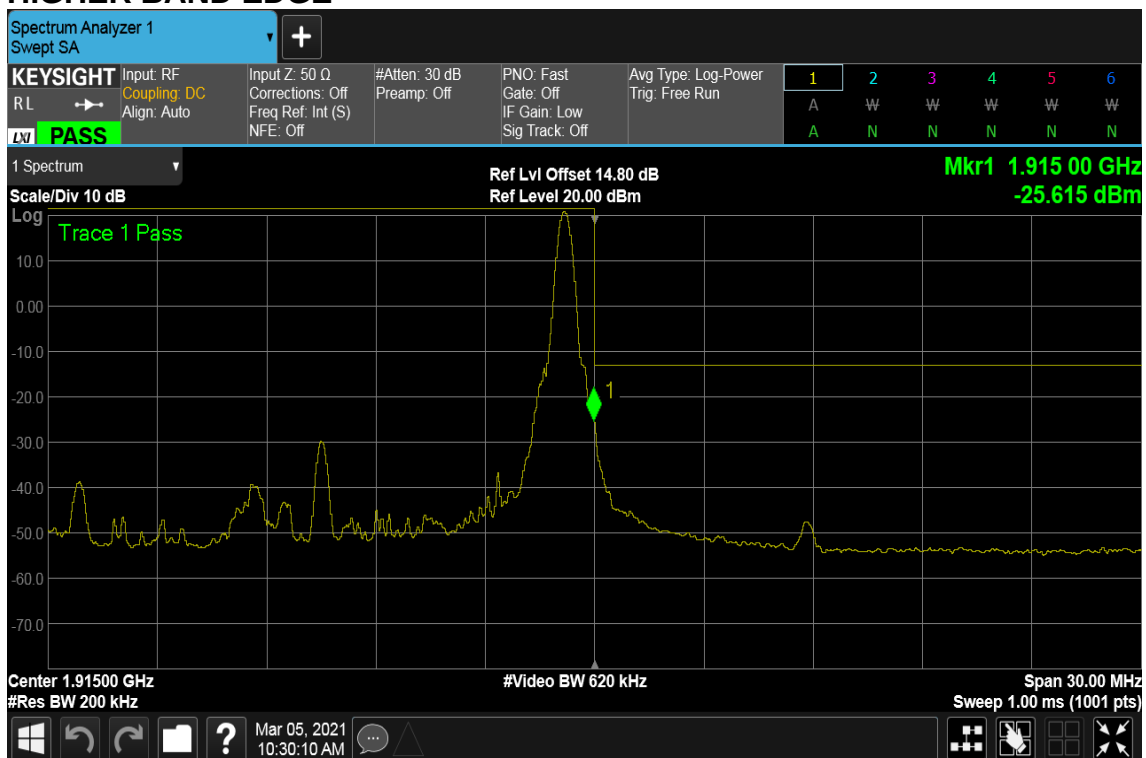


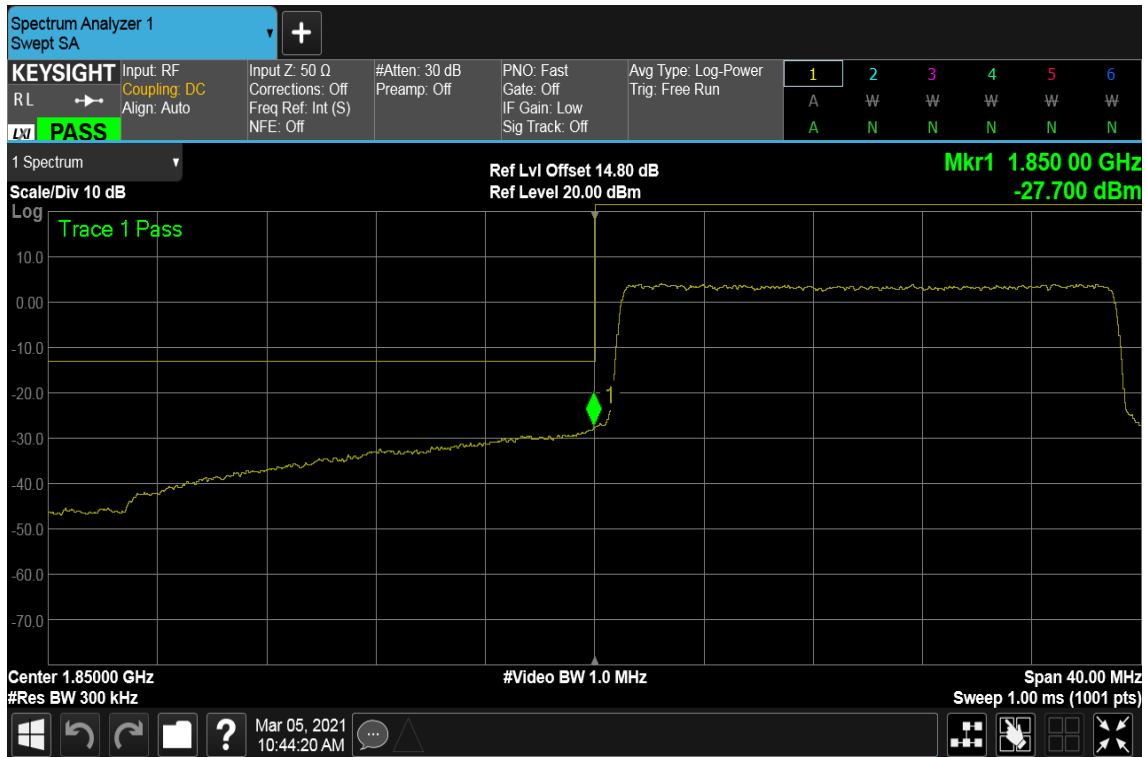
Report No.: T201102D09-RP12

CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 0
LOWER BAND EDGE**CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 49**
HIGHER BAND EDGE

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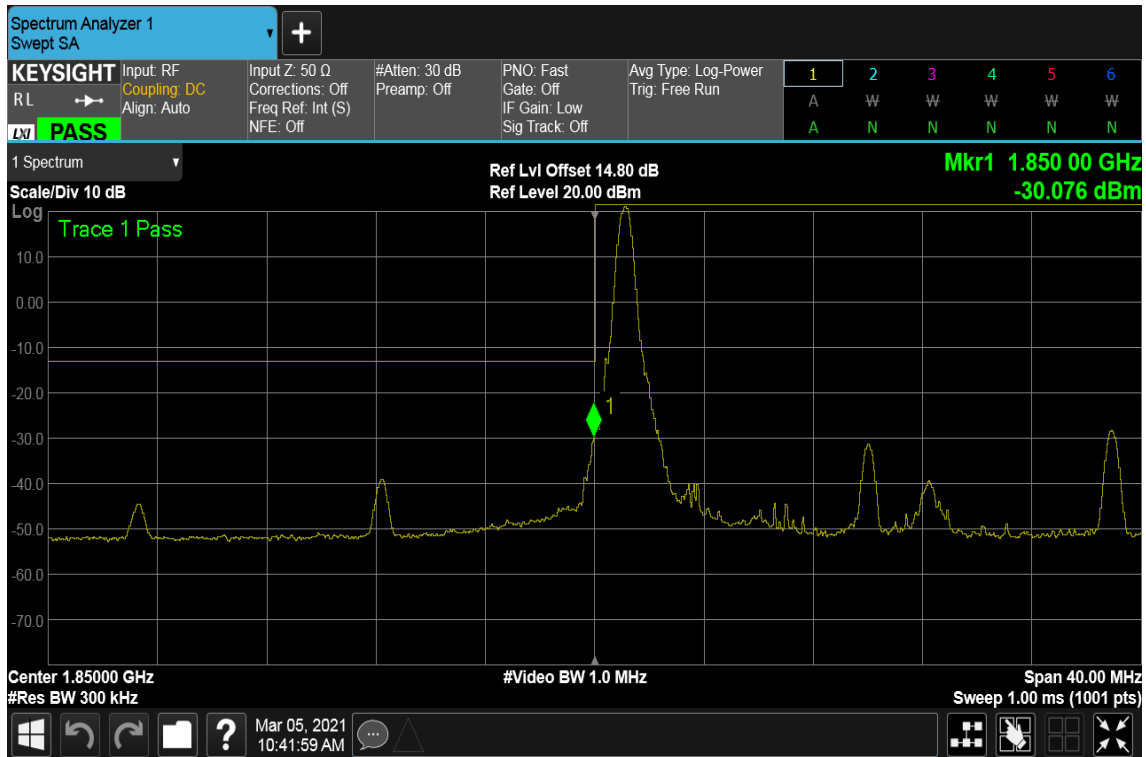
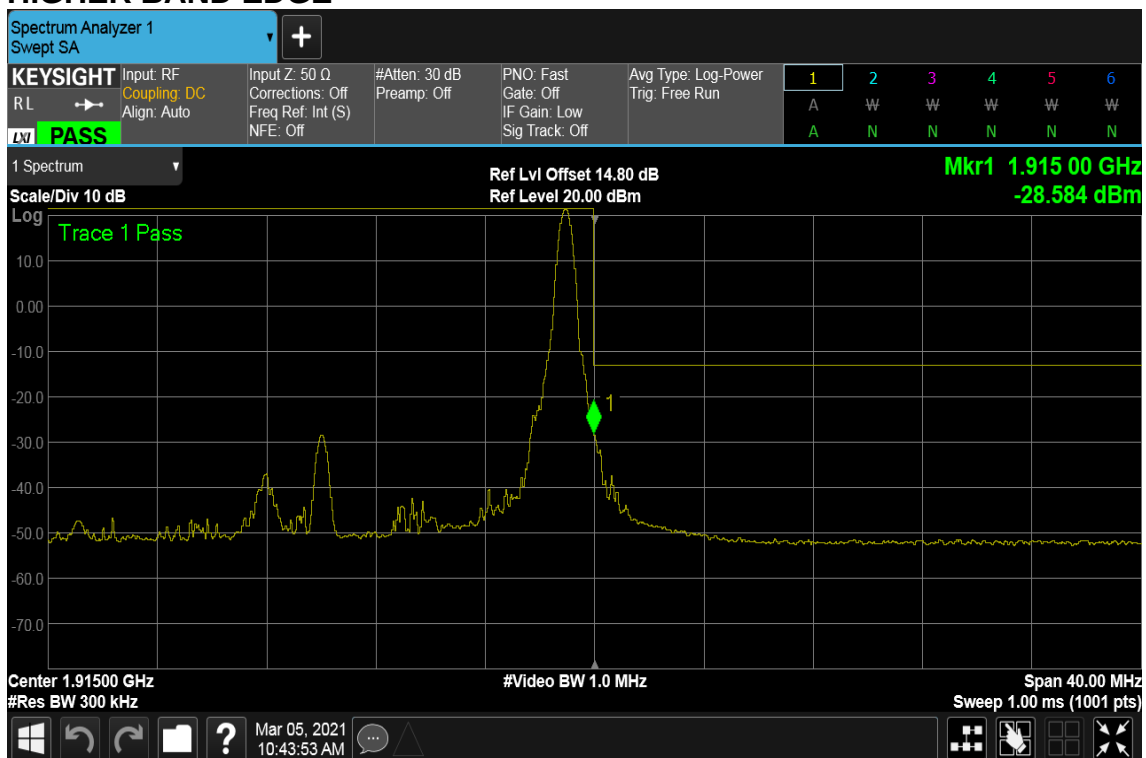
CHANNEL BANDWIDTH: 15MHz / QPSK / RB =75, RB Offset = 0
LOWER BAND EDGE**HIGHER BAND EDGE**

CHANNEL BANDWIDTH: 15MHz / QPSK / RB =1, RB Offset = 0
LOWER BAND EDGE**CHANNEL BANDWIDTH: 15MHz / QPSK / RB =1, RB Offset = 74**
HIGHER BAND EDGE

CHANNEL BANDWIDTH: 20MHz / QPSK / RB =100, RB Offset = 0
LOWER BAND EDGE**HIGHER BAND EDGE**



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CHANNEL BANDWIDTH: 20MHz / QPSK / RB =1, RB Offset = 0
LOWER BAND EDGE**CHANNEL BANDWIDTH: 20MHz / QPSK / RB =1, RB Offset = 99**
HIGHER BAND EDGE



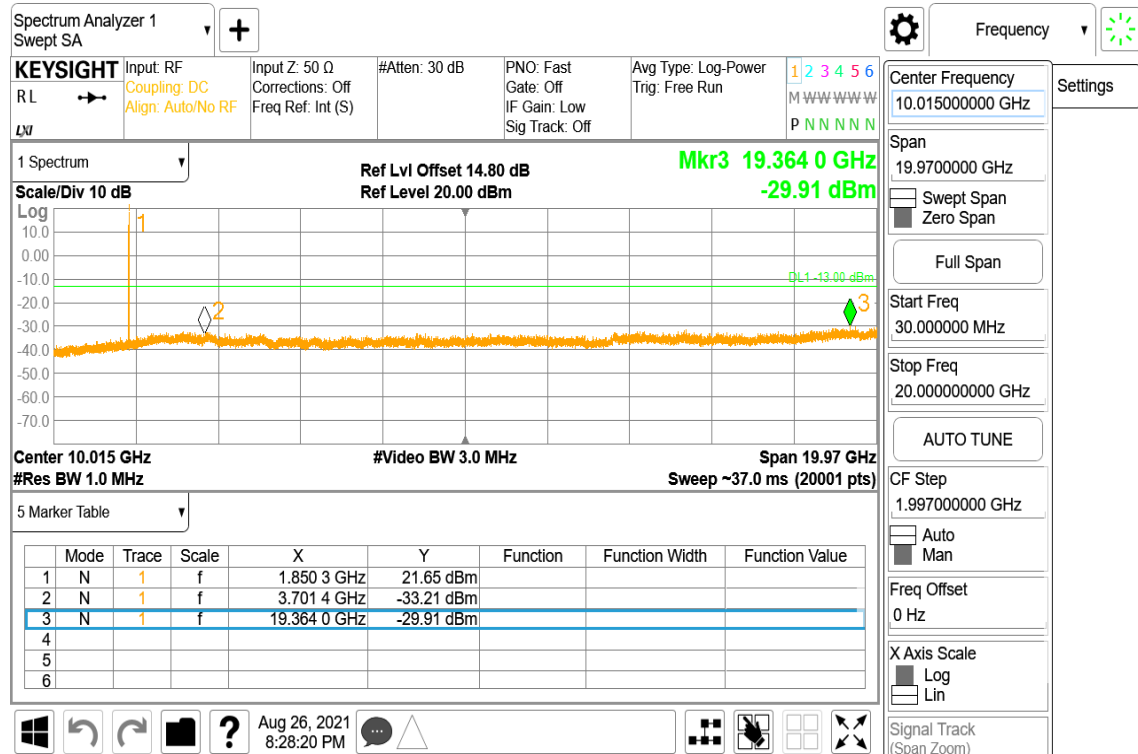
Report No.: T201102D09-RP12

Spurious Emission

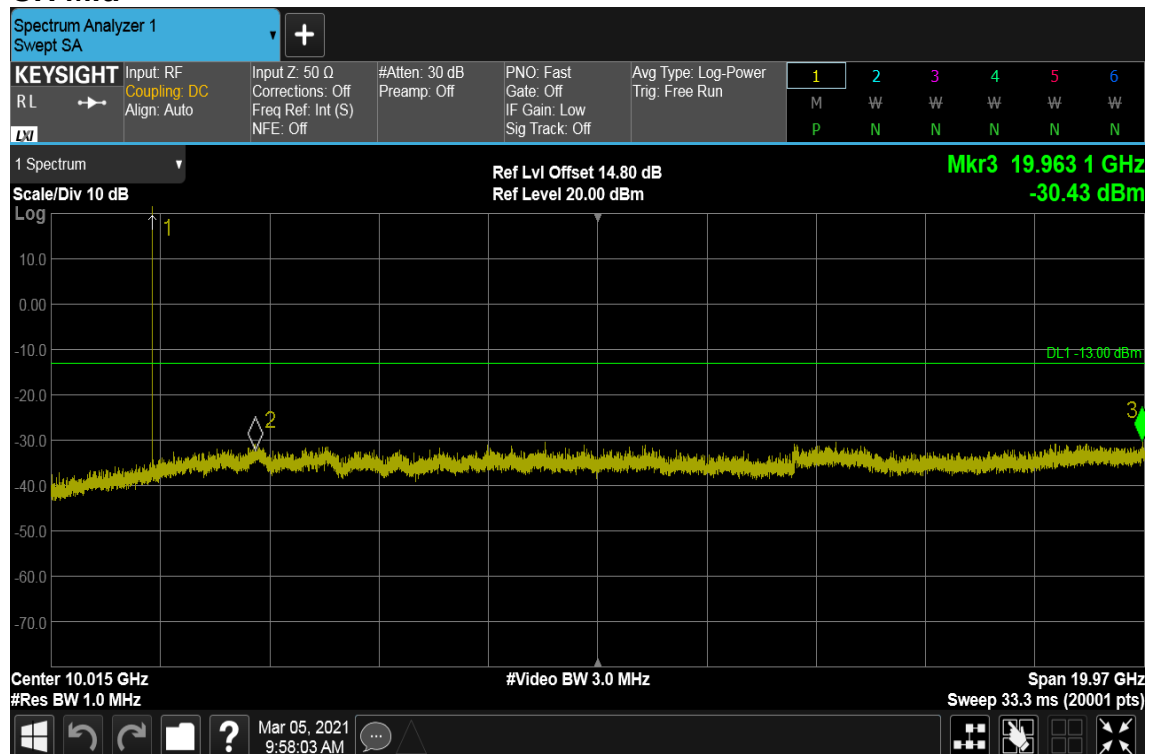
LTE Band 25

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

CH Low



CH Mid



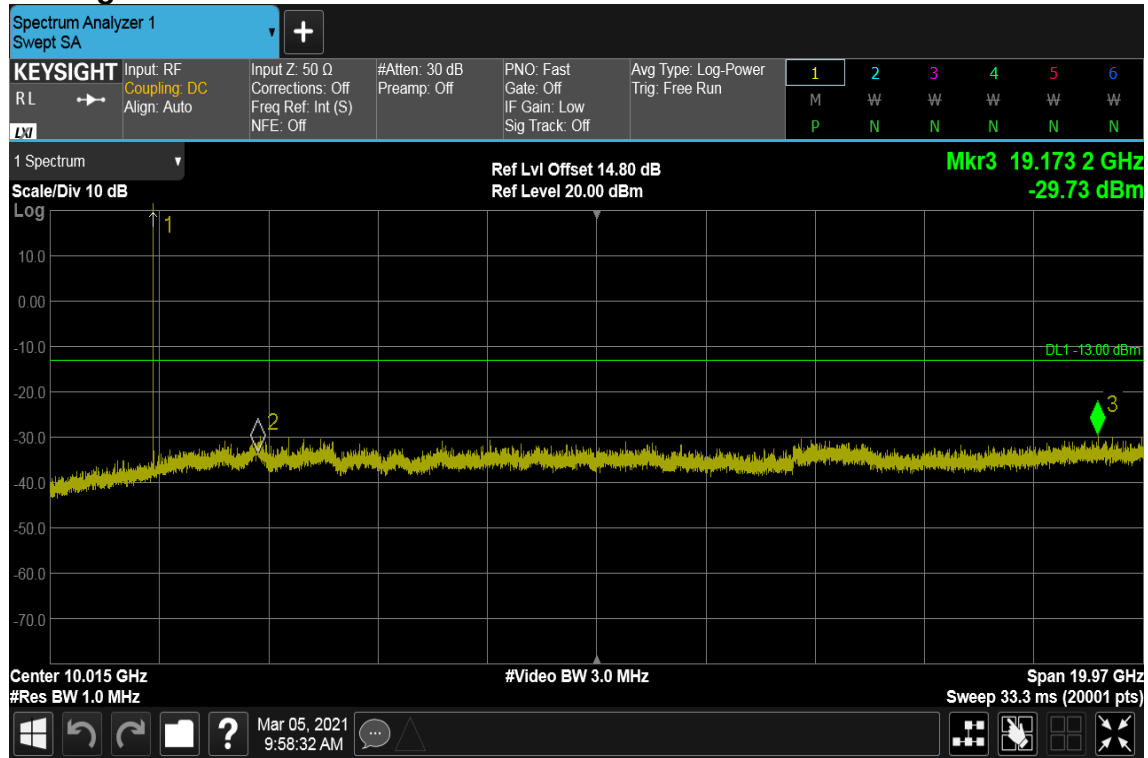


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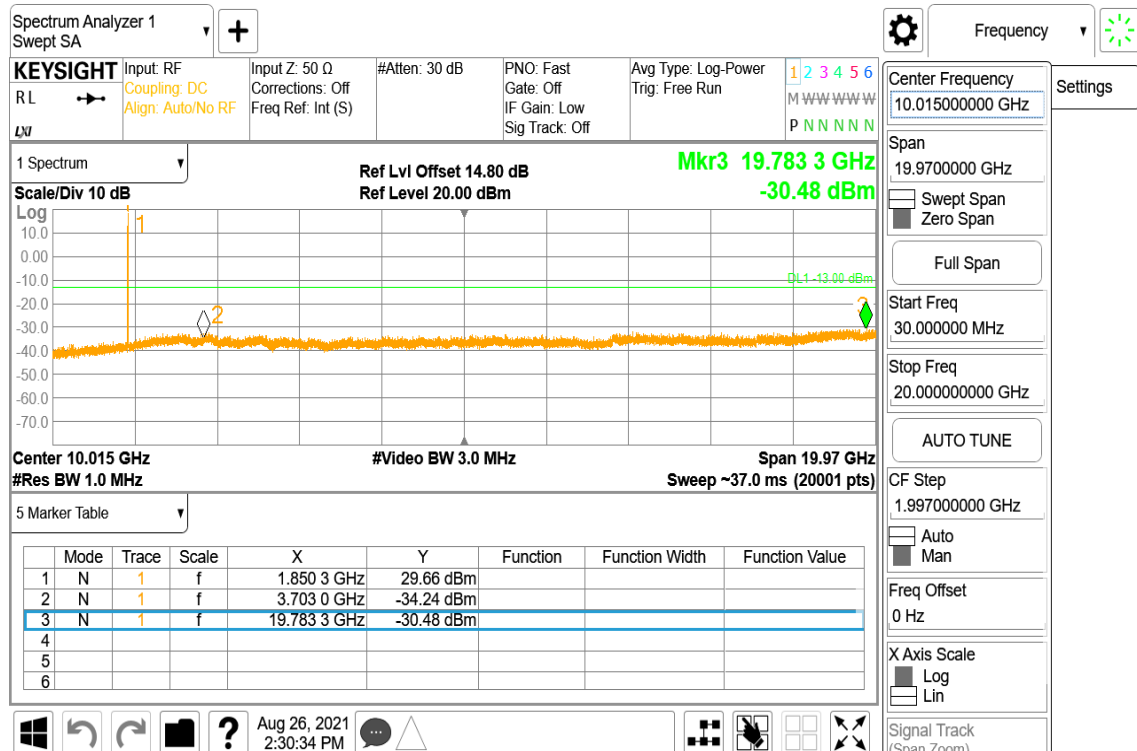
Rev.: 00

CH High

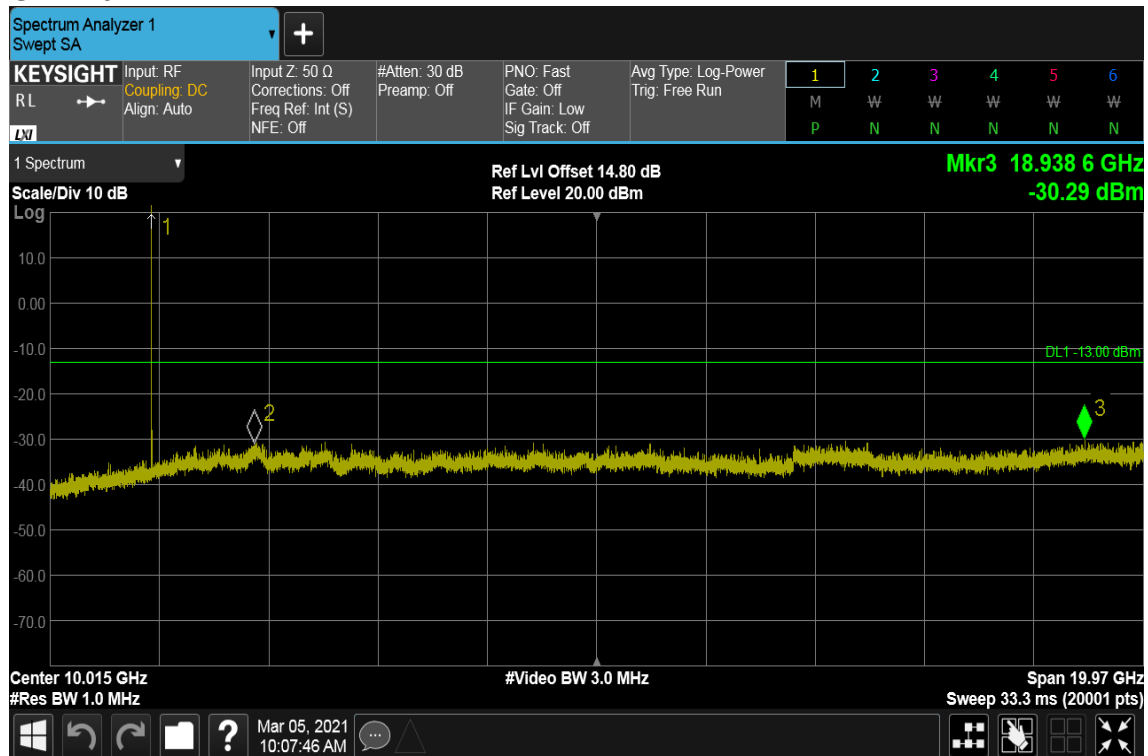


CHANNEL BANDWIDTH: 3MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



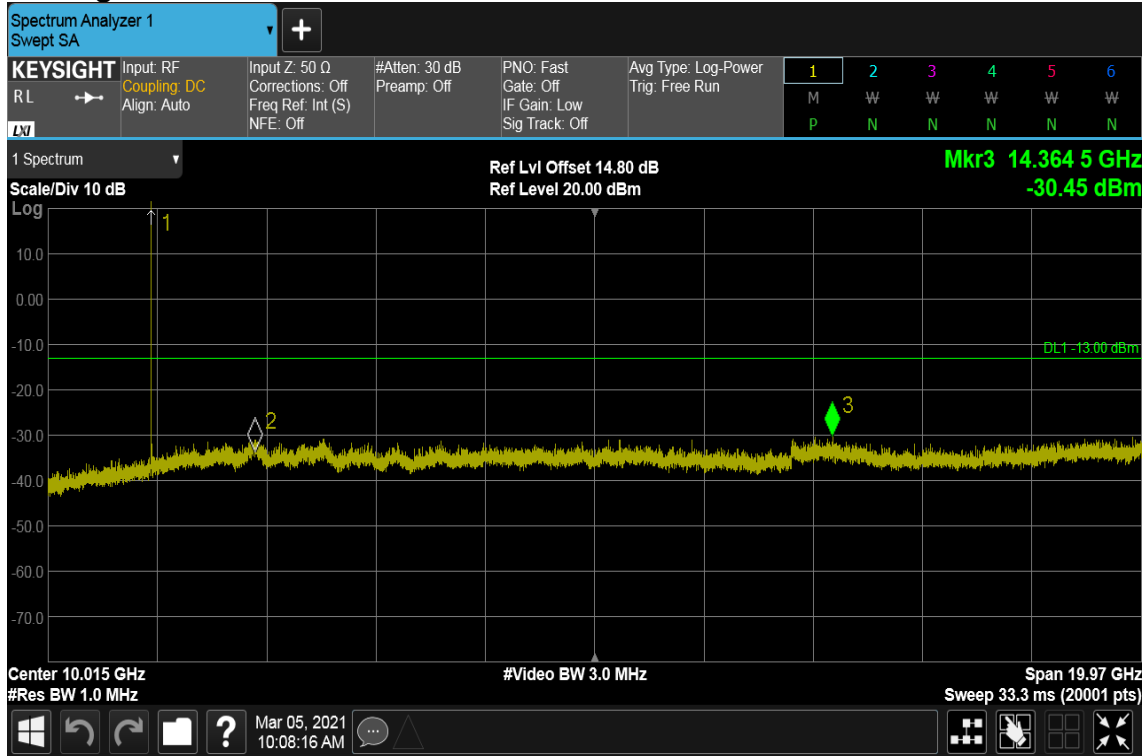


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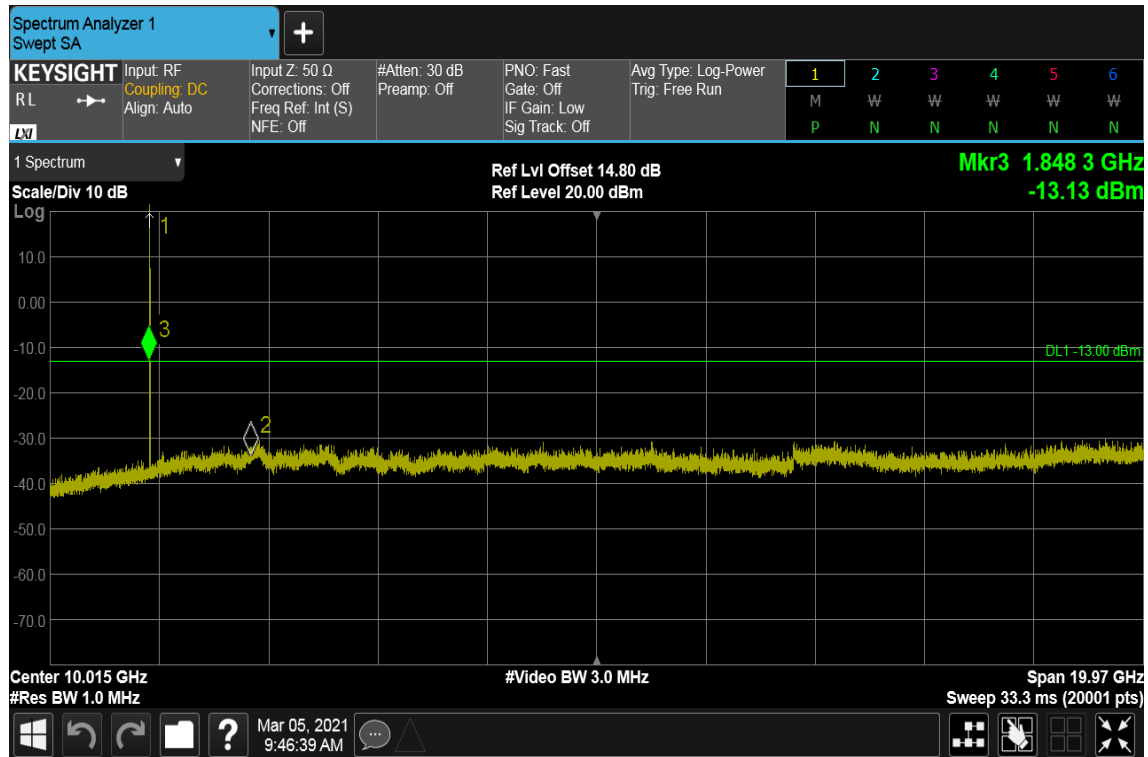
CH High



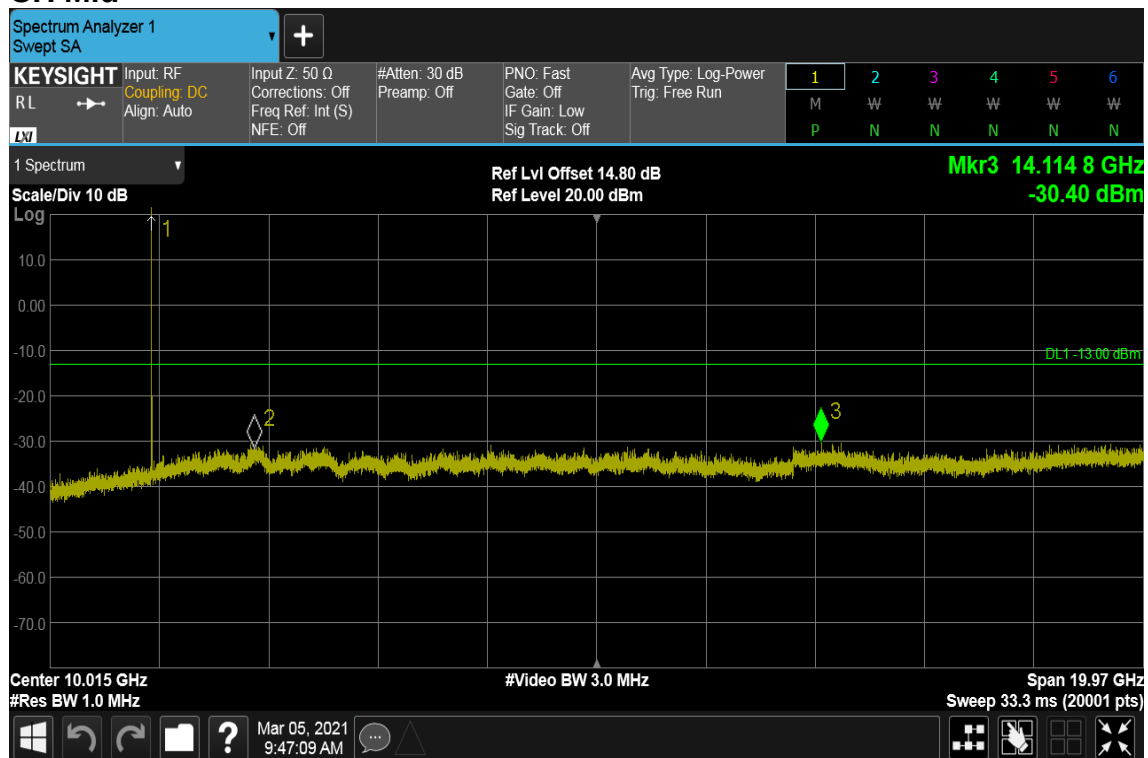
Report No.: T201102D09-RP12

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

CH Low



CH Mid



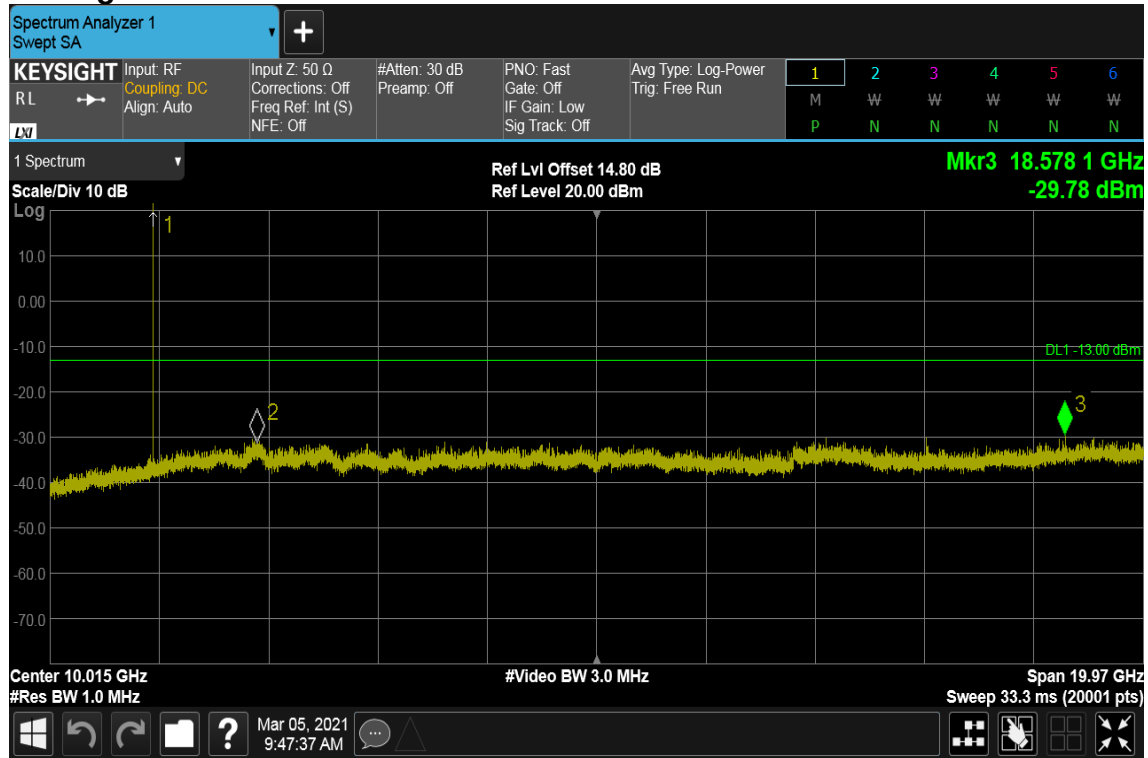


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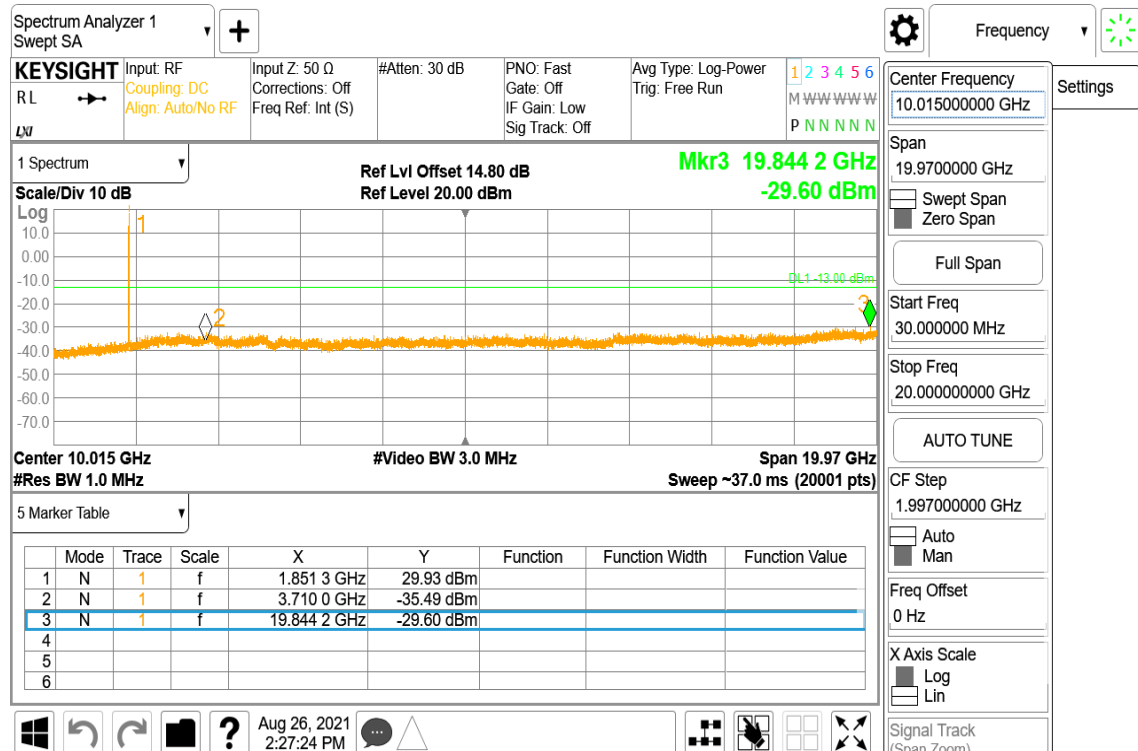
Rev.: 00

CH High

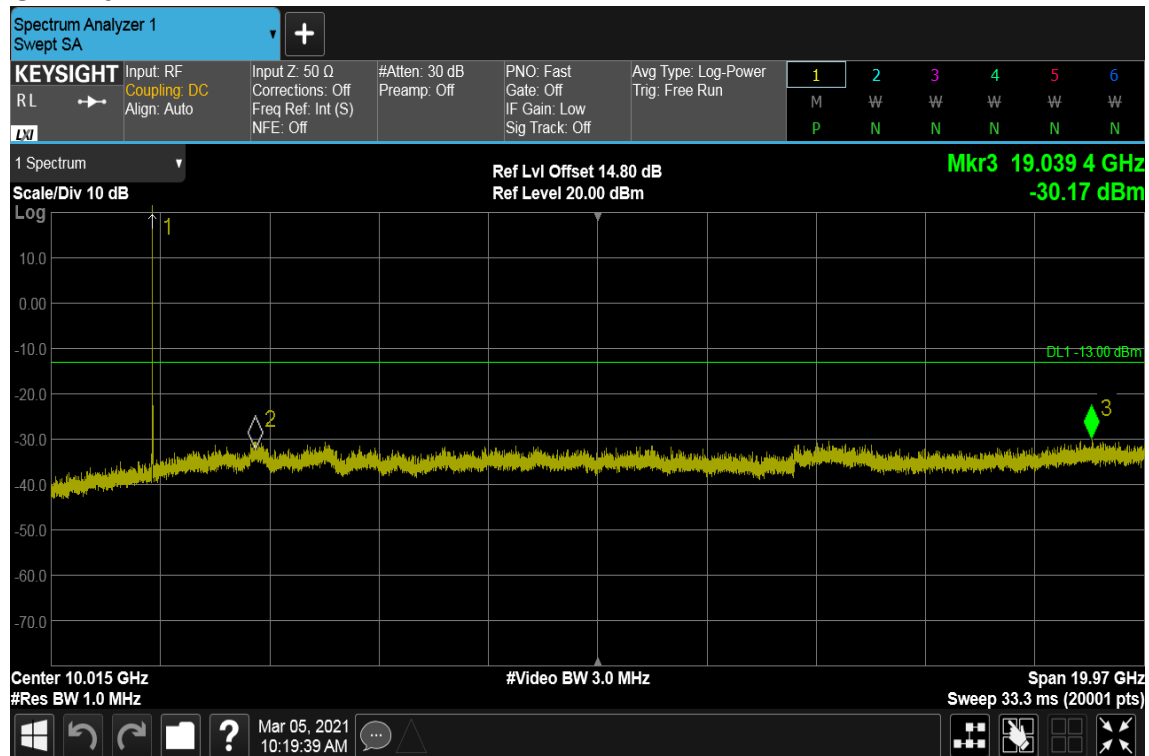


CHANNEL BANDWIDTH: 10MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



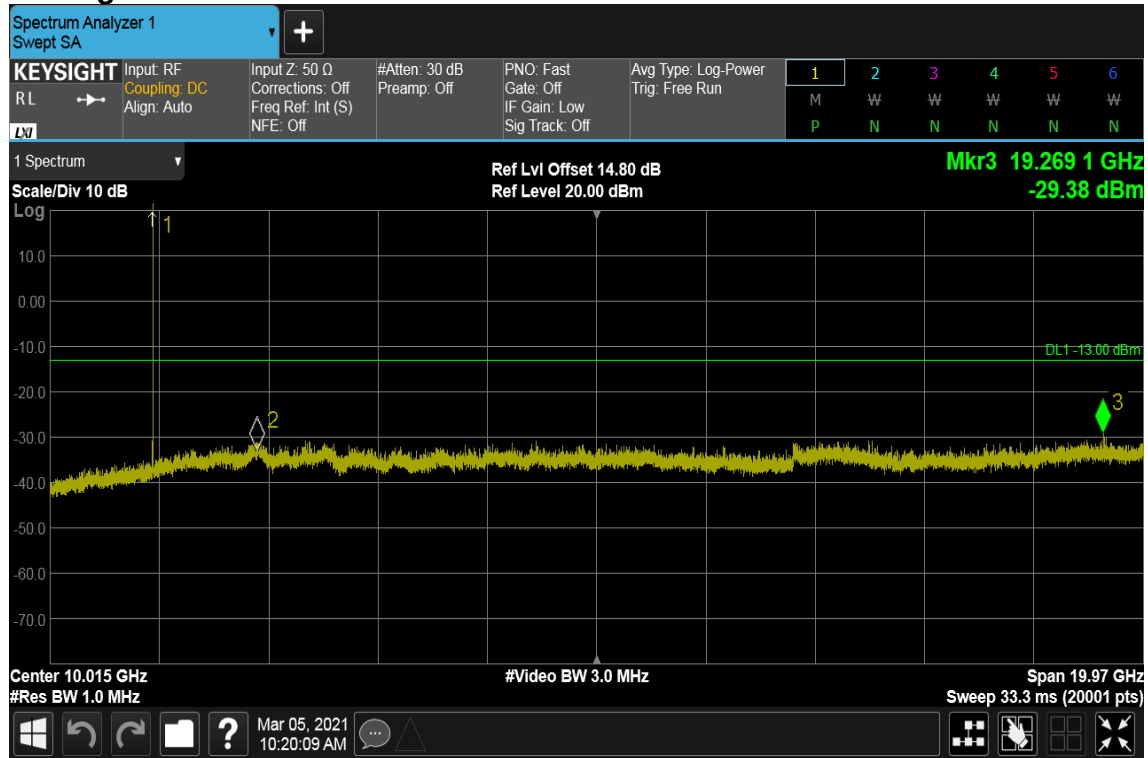


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Rev.: 00

CH High

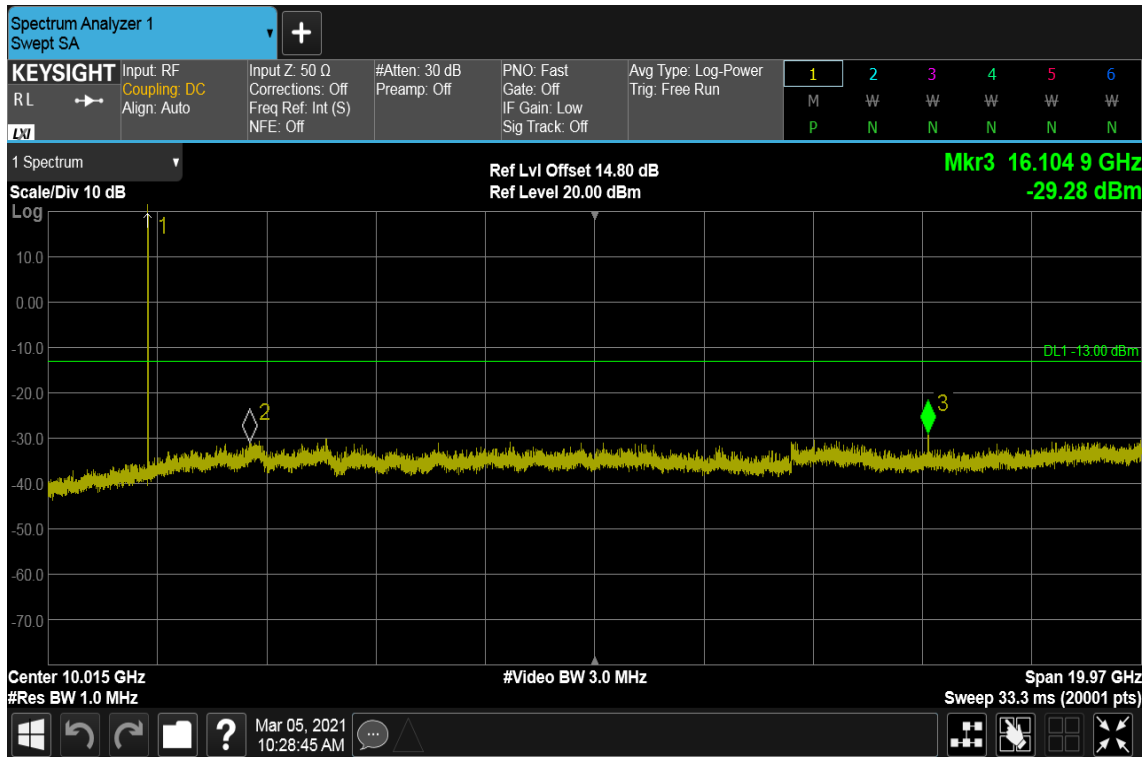




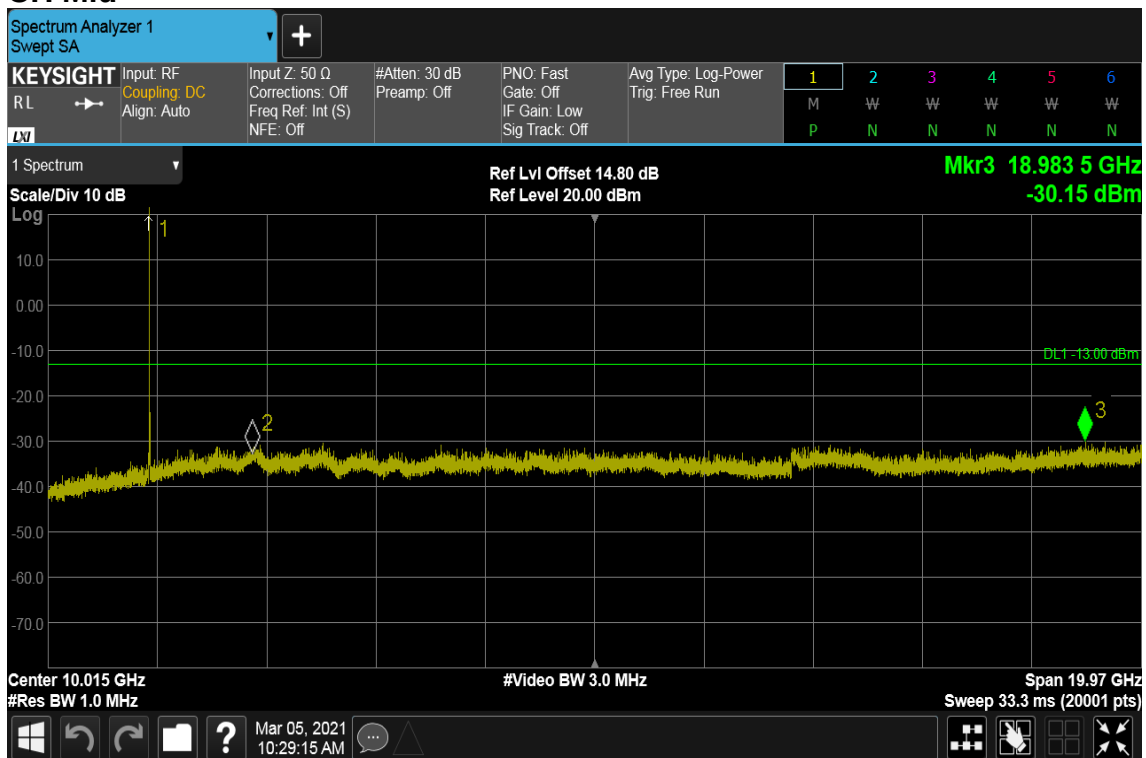
Report No.: T201102D09-RP12

CHANNEL BANDWIDTH: 15MHz / QPSK / RB =1, RB Offset = 0

CH Low



CH Mid



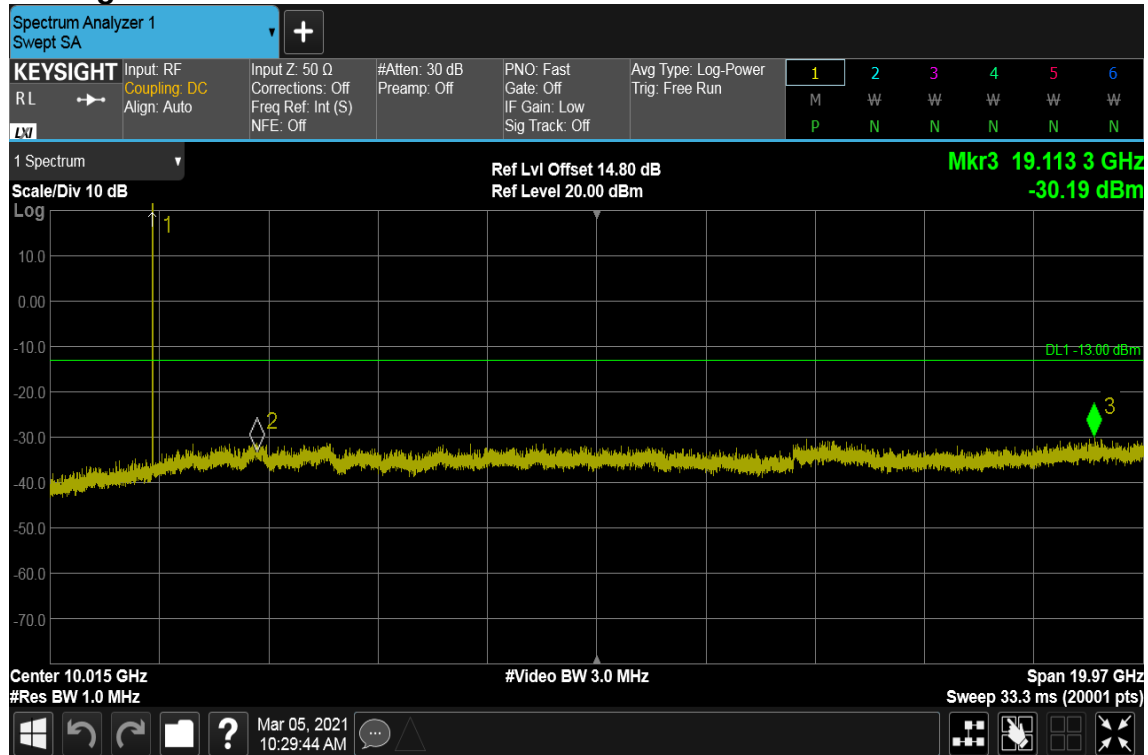


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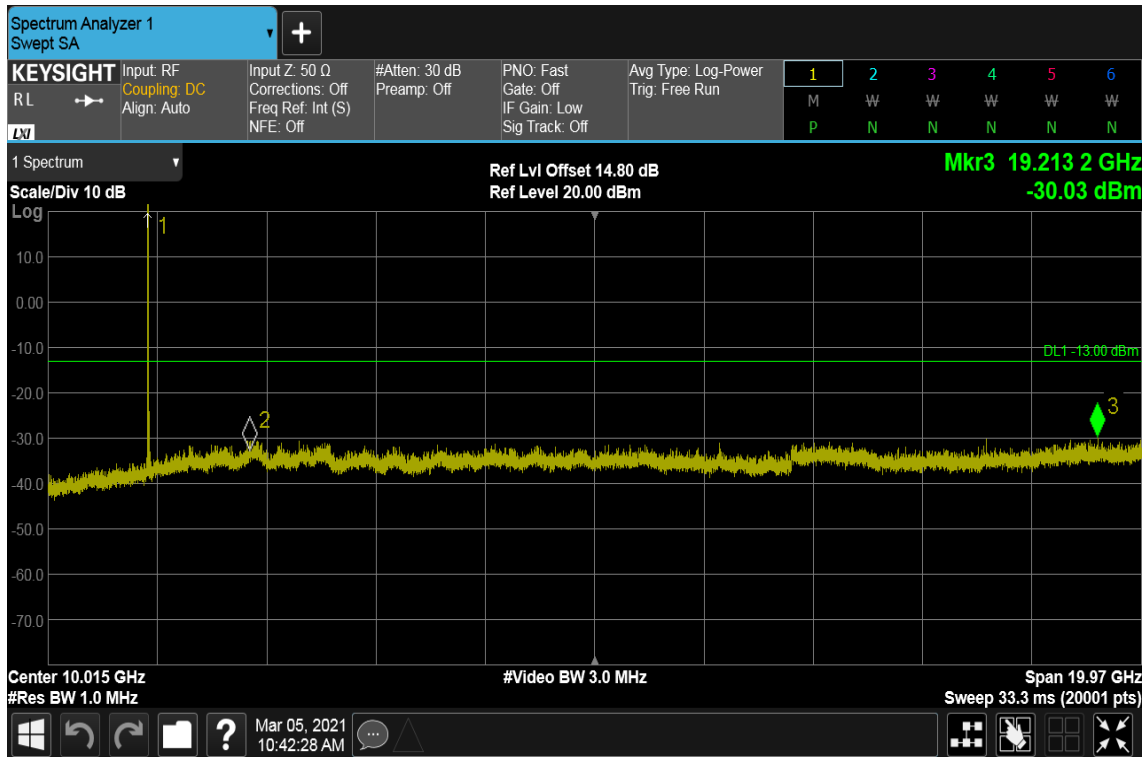
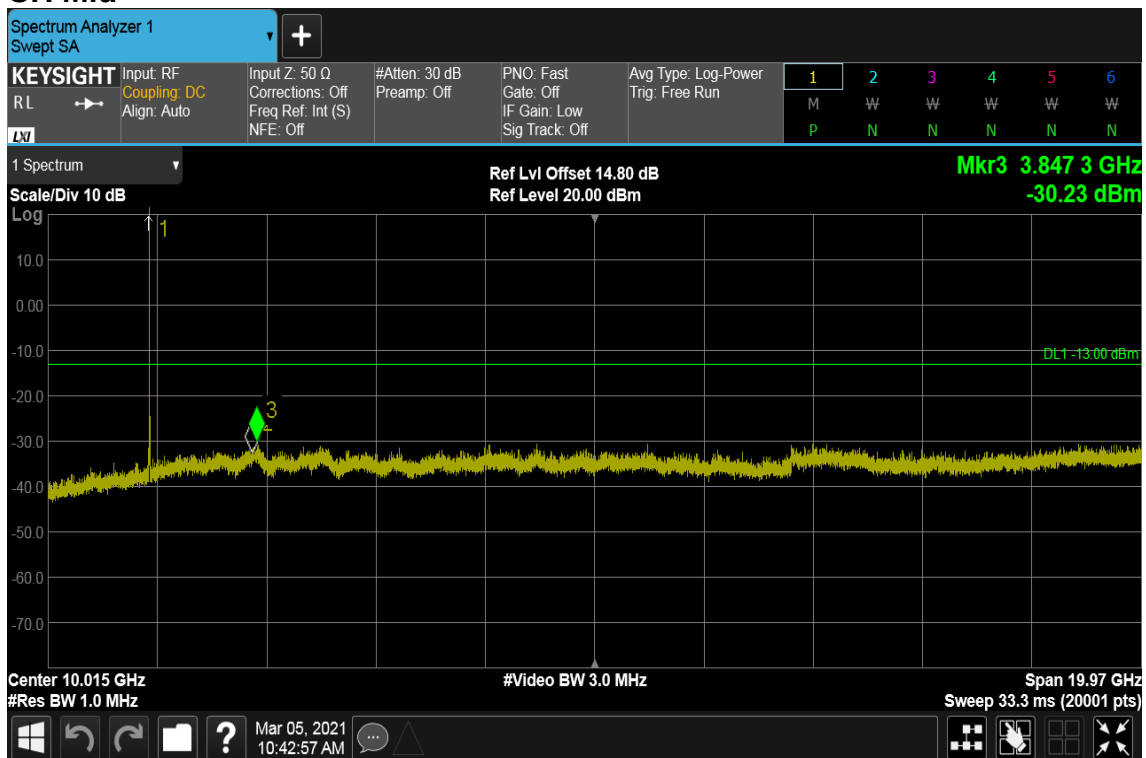
Rev.: 00

CH High





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

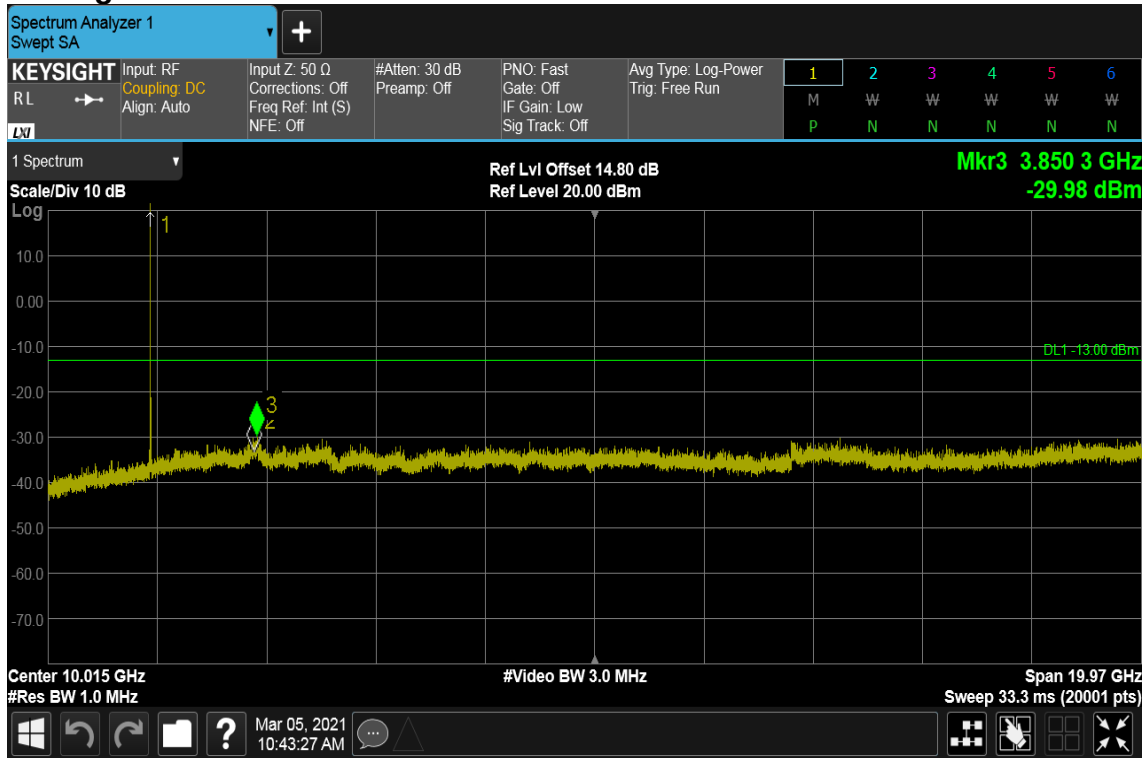


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CH High



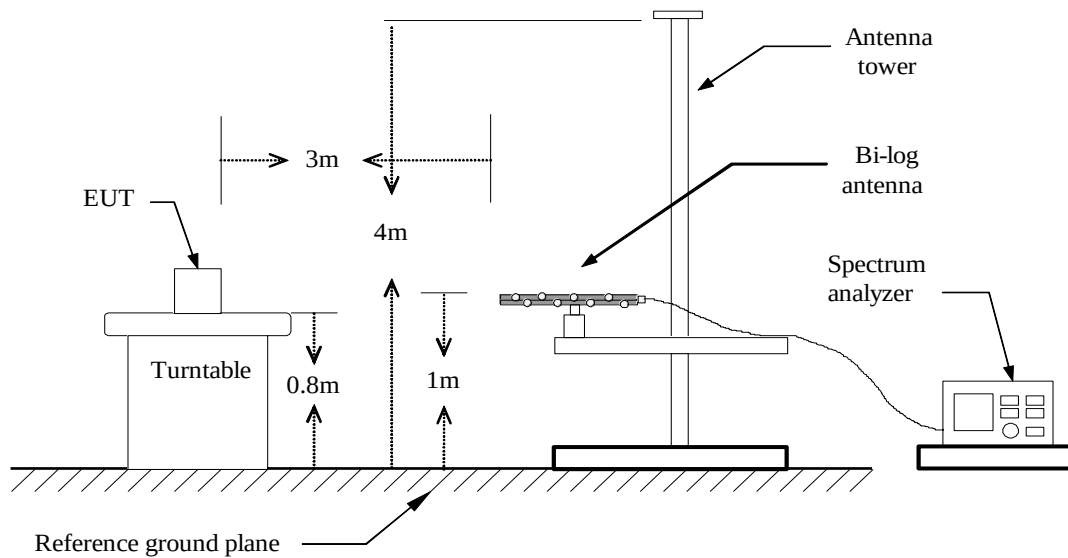
8.6 SPURIOUS RADIATION MEASUREMENT

LIMIT

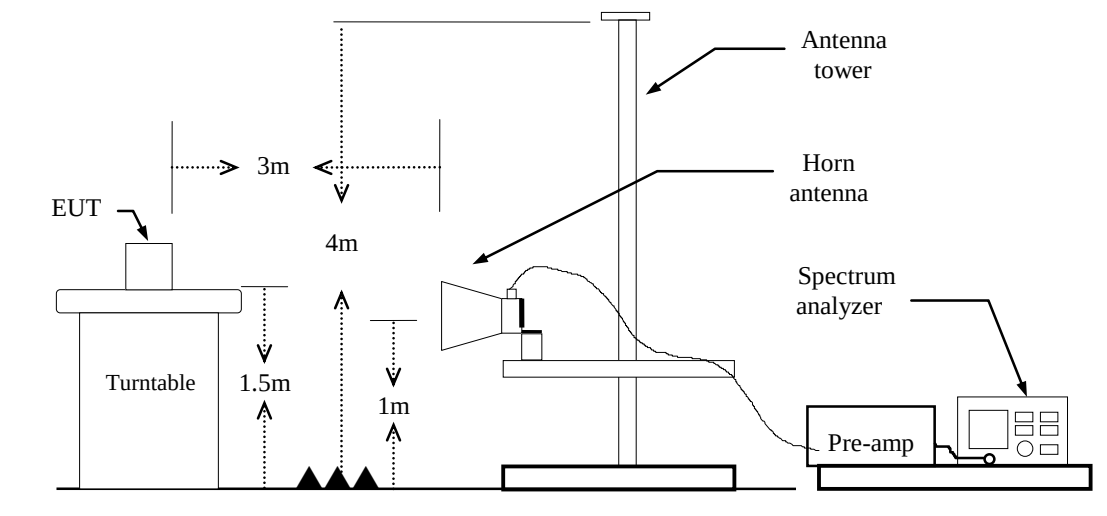
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

Test Configuration

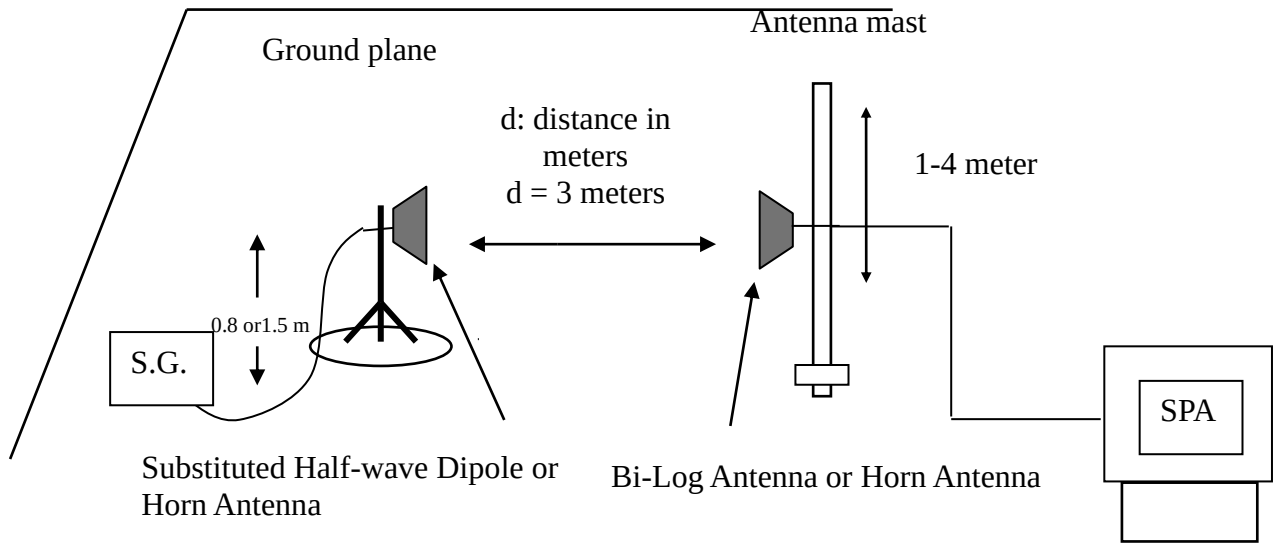
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURE

1. 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 25 / BW: 20MHz / QPSK / RB =1, RB Offset = 0****Operation Mode:** Tx / Low CH**Test Date:**

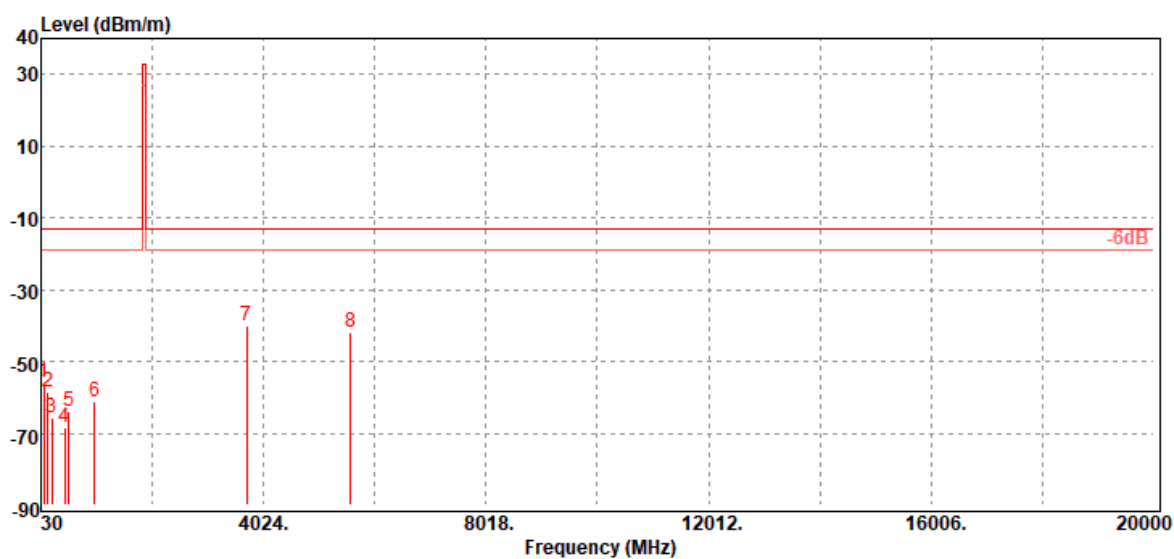
December 14, 2020

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)
86.26	-55.93	-47.62	-7.55	-0.76	-13.00	-42.93	V
153.19	-58.52	-50.78	-6.72	-1.02	-13.00	-45.52	V
226.91	-65.56	-62.34	-1.98	-1.24	-13.00	-52.56	V
461.65	-68.31	-64.36	-2.17	-1.78	-13.00	-55.31	V
521.79	-63.73	-60.46	-1.36	-1.91	-13.00	-50.73	V
990.30	-61.11	-57.05	-1.40	-2.66	-13.00	-48.11	V
3720.00	-39.94	-46.67	12.46	-5.73	-13.00	-26.94	V
5580.00	-42.06	-48.09	13.14	-7.11	-13.00	-29.06	V



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Operation Mode: Tx / Low CH

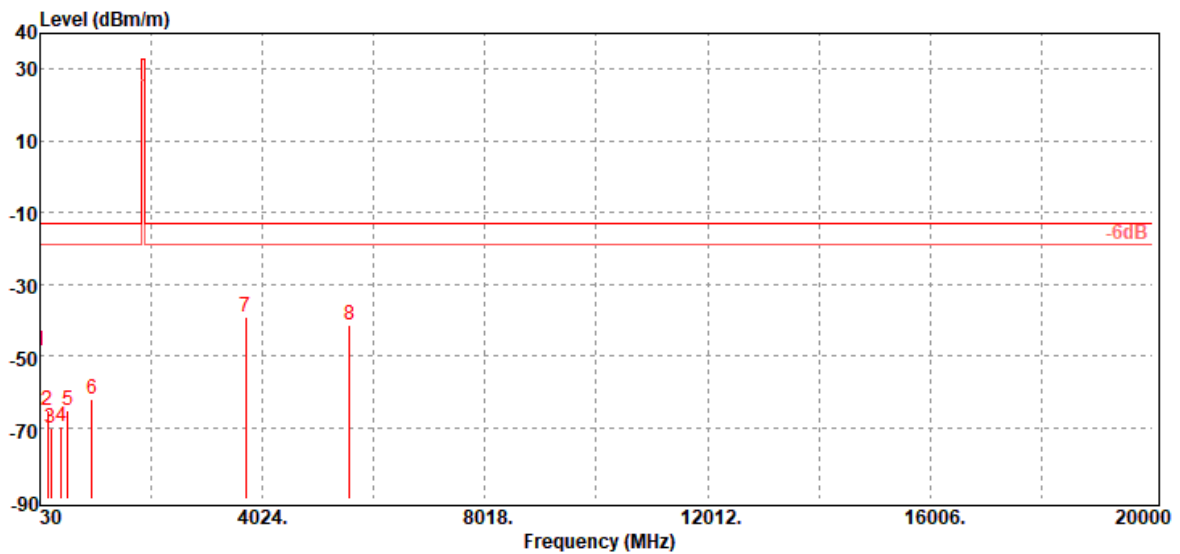
Test Date: December 14, 2020

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	-48.44	-30.16	-17.75	-0.53	-13.00	-35.44	H
172.59	-65.13	-58.91	-5.14	-1.08	-13.00	-52.13	H
221.09	-70.17	-66.97	-1.98	-1.22	-13.00	-57.17	H
419.94	-69.60	-66.00	-1.90	-1.70	-13.00	-56.60	H
524.70	-65.45	-62.23	-1.31	-1.91	-13.00	-52.45	H
959.26	-62.14	-58.22	-1.29	-2.63	-13.00	-49.14	H
3720.00	-39.16	-45.89	12.46	-5.73	-13.00	-26.16	H
5580.00	-41.64	-47.67	13.14	-7.11	-13.00	-28.64	H



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Operation Mode: Tx / Mid CH

Test Date:

December 14, 2020

Temperature: 20.6°C

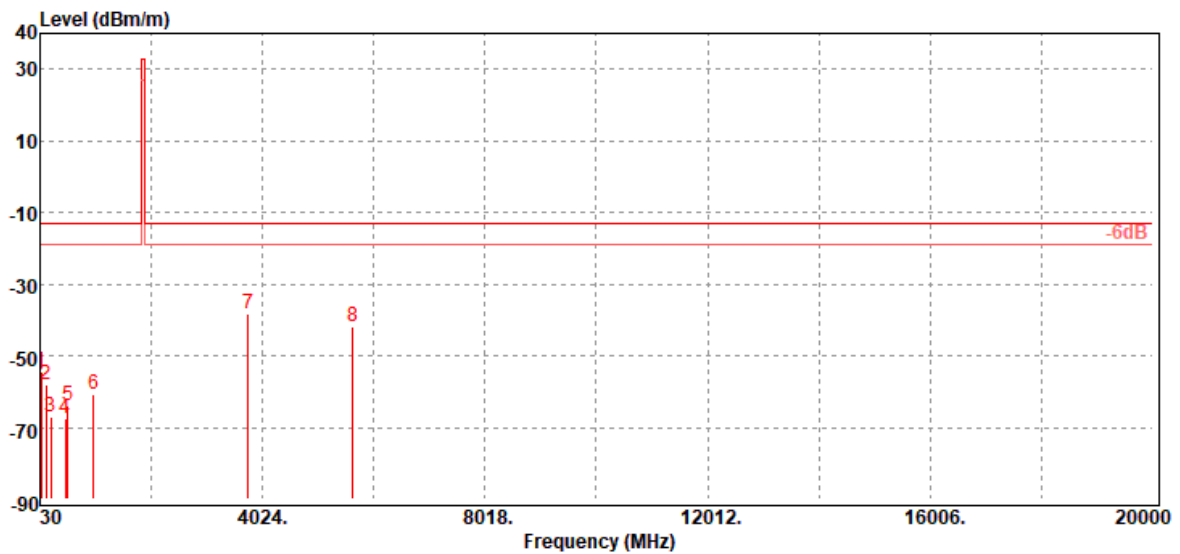
Tested by:

Ray Li

Humidity: 65% RH

Polarity:

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)
44.55	-54.43	-38.03	-15.86	-0.54	-13.00	-41.43	V
143.49	-58.15	-49.17	-8.00	-0.98	-13.00	-45.15	V
219.15	-66.91	-63.67	-2.02	-1.22	-13.00	-53.91	V
479.11	-67.50	-63.28	-2.40	-1.82	-13.00	-54.50	V
527.61	-63.75	-60.53	-1.30	-1.92	-13.00	-50.75	V
987.39	-60.75	-56.69	-1.40	-2.66	-13.00	-47.75	V
3765.00	-38.49	-45.16	12.43	-5.76	-13.00	-25.49	V
5647.50	-41.86	-48.01	13.29	-7.14	-13.00	-28.86	V



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Rev.: 00

Operation Mode: Tx / Mid CH

Test Date:

December 14, 2020

Temperature: 20.6°C

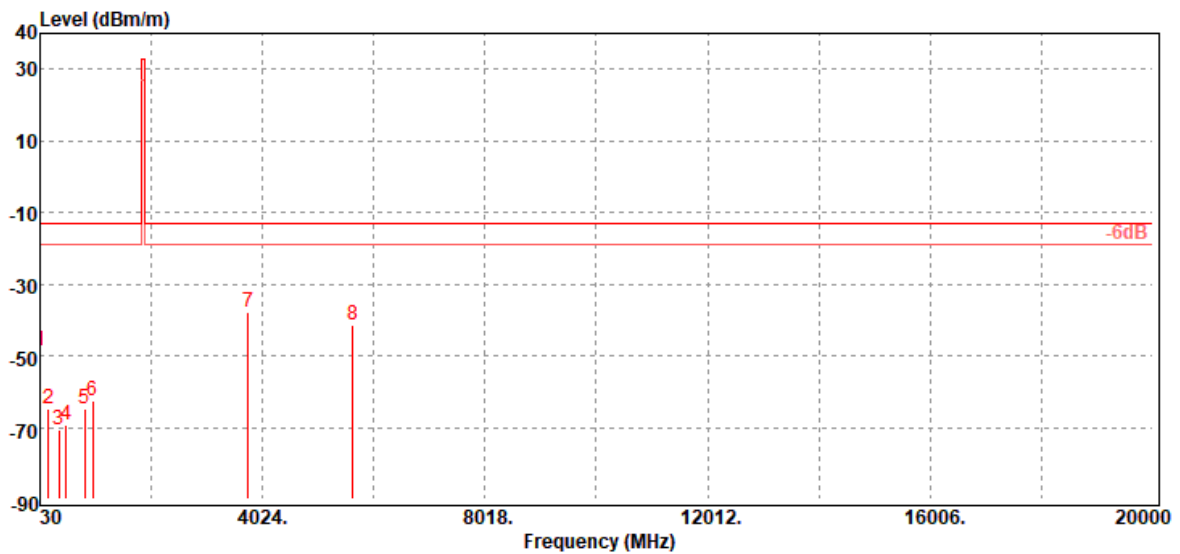
Tested by:

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)
41.64	-48.66	-29.52	-18.62	-0.52	-13.00	-35.66	H
180.35	-64.82	-59.36	-4.36	-1.10	-13.00	-51.82	H
372.41	-70.62	-67.27	-1.75	-1.60	-13.00	-57.62	H
500.45	-69.17	-65.31	-1.99	-1.87	-13.00	-56.17	H
827.34	-64.89	-60.97	-1.50	-2.42	-13.00	-51.89	H
975.75	-62.50	-58.48	-1.38	-2.64	-13.00	-49.50	H
3765.00	-37.73	-44.40	12.43	-5.76	-13.00	-24.73	H
5647.50	-41.42	-47.57	13.29	-7.14	-13.00	-28.42	H



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Rev.: 00

Operation Mode: Tx / High CH

Test Date:

December 14, 2020

Temperature: 20.6°C

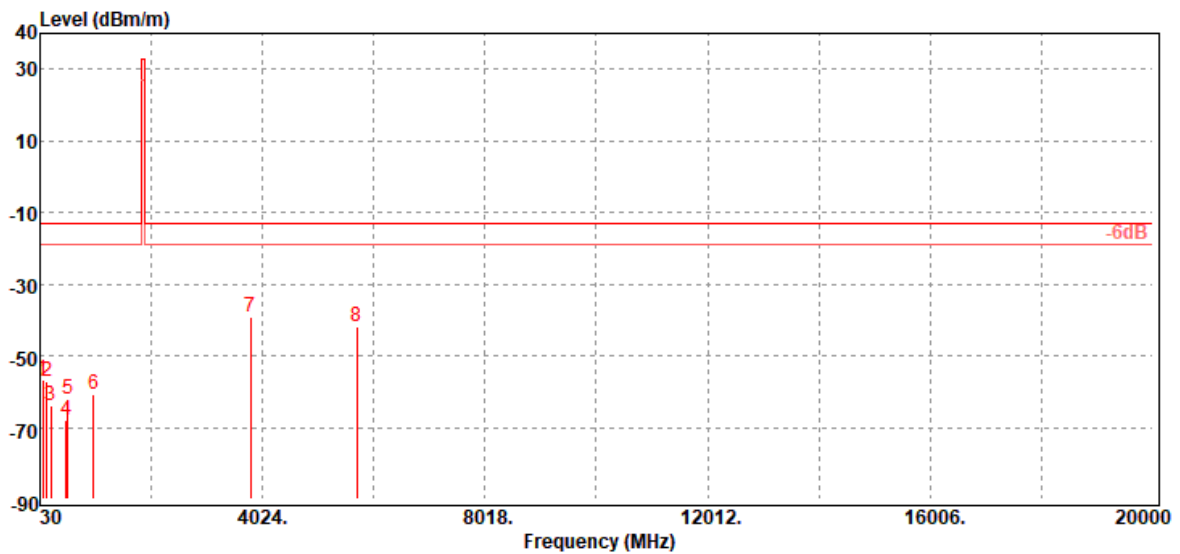
Tested by:

Ray Li

Humidity: 65% RH

Polarity:

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	-56.65	-48.34	-7.55	-0.76	-13.00	-43.65	V
151.25	-57.07	-49.01	-7.05	-1.01	-13.00	-44.07	V
219.15	-64.06	-60.82	-2.02	-1.22	-13.00	-51.06	V
500.45	-67.98	-64.12	-1.99	-1.87	-13.00	-54.98	V
529.55	-61.91	-58.69	-1.30	-1.92	-13.00	-48.91	V
990.30	-60.95	-56.89	-1.40	-2.66	-13.00	-47.95	V
3810.00	-39.13	-45.81	12.48	-5.80	-13.00	-26.13	V
5715.00	-42.06	-47.98	13.10	-7.18	-13.00	-29.06	V



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Operation Mode: Tx / High CH

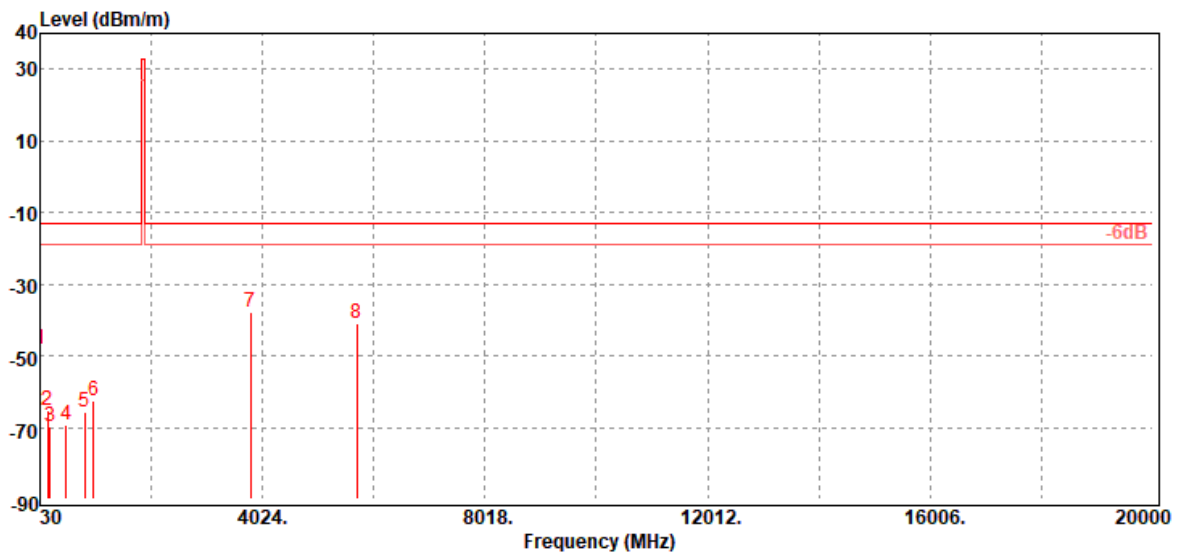
Test Date: December 14, 2020

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)
41.64	-48.10	-28.96	-18.62	-0.52	-13.00	-35.10	H
172.59	-65.21	-58.99	-5.14	-1.08	-13.00	-52.21	H
217.21	-69.97	-66.70	-2.06	-1.21	-13.00	-56.97	H
500.45	-69.49	-65.63	-1.99	-1.87	-13.00	-56.49	H
830.25	-65.66	-61.74	-1.50	-2.42	-13.00	-52.66	H
985.45	-62.39	-58.33	-1.40	-2.66	-13.00	-49.39	H
3810.00	-37.91	-44.59	12.48	-5.80	-13.00	-24.91	H
5715.00	-40.82	-46.74	13.10	-7.18	-13.00	-27.82	H

- End of Test Report -