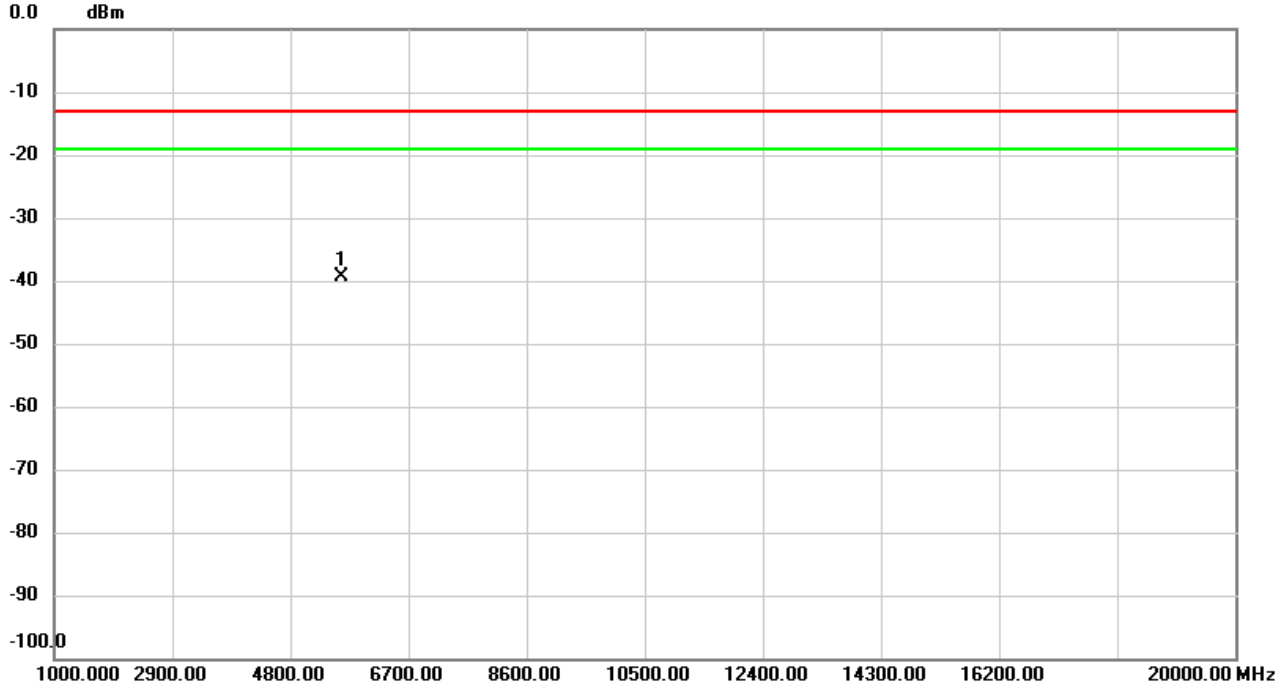
Test Mode	LTE Band 2	Test Date	2021/4/15
Test Channel	CH 18900	Polarization	Vertical
Temp	22°C	Hum.	61%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5613.833	-42.19	2.82	-39.37	-13.00	-26.37	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

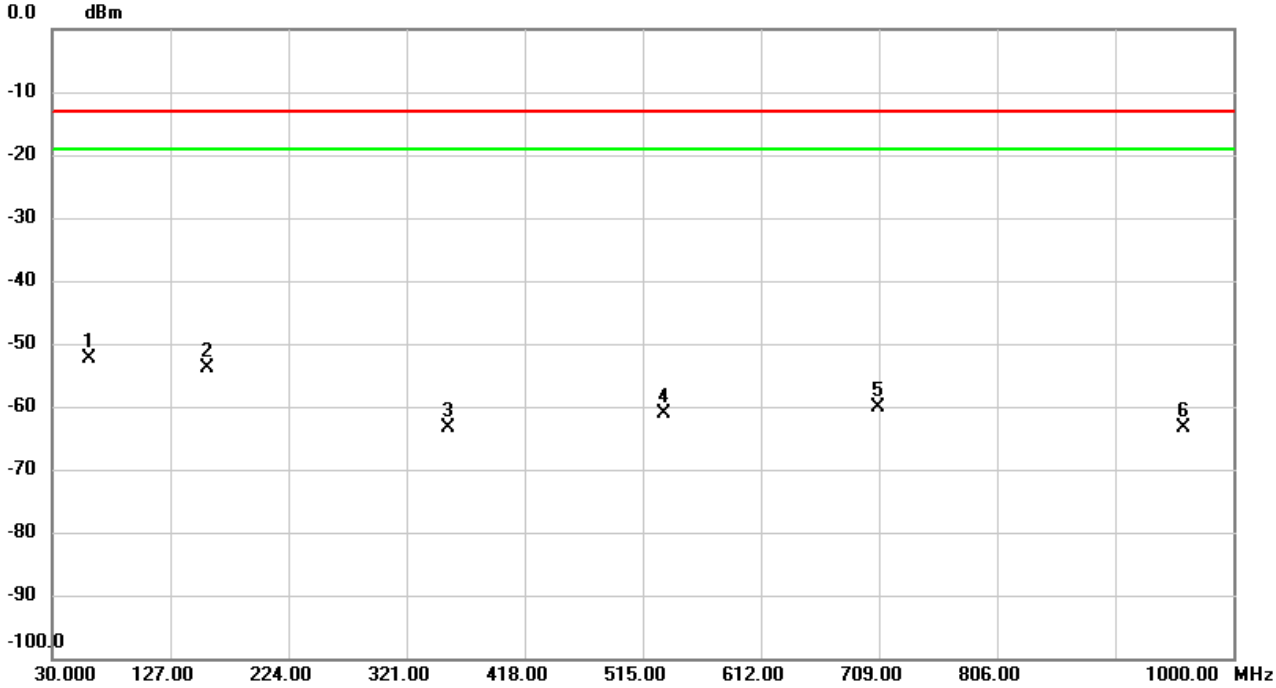
Test Mode	LTE Band 2	Test Date	2021/4/15
Test Channel	CH 18900	Polarization	Horizontal
Temp	22°C	Hum.	61%

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5613.200	-43.94	3.20	-40.74	-13.00	-27.74	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

For Built-in antenna:

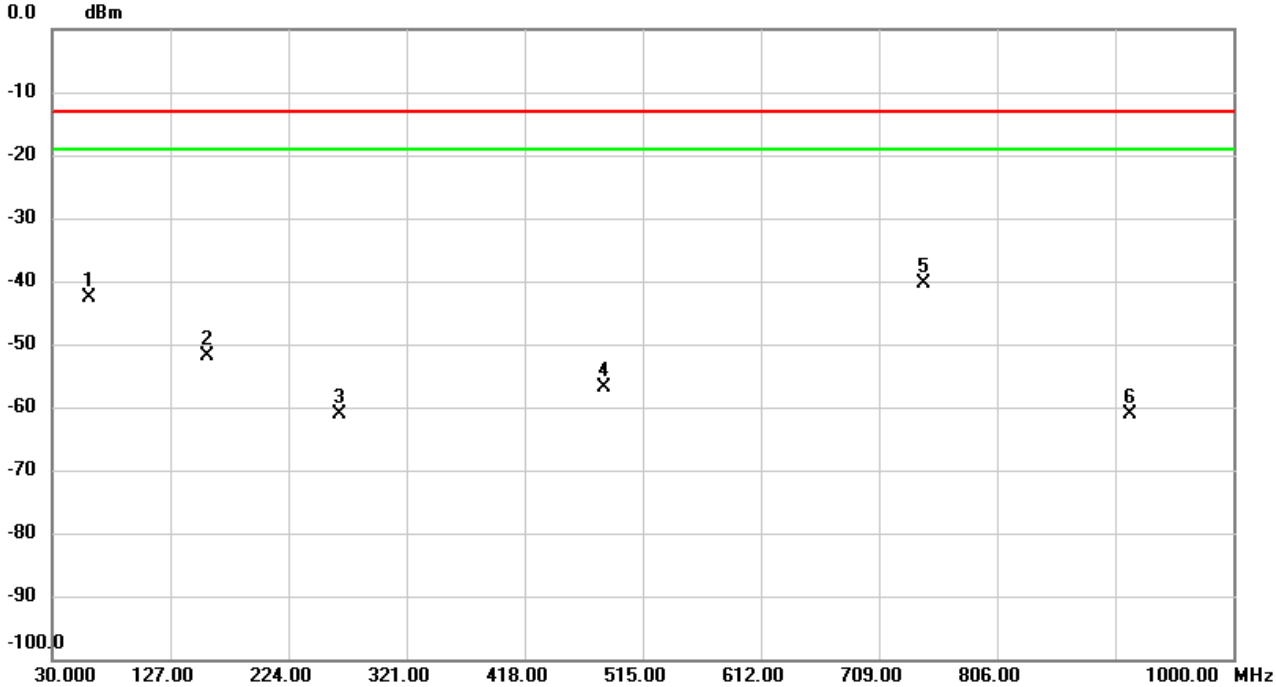
Test Mode	WCDMA Band II	Test Date	2021/5/8
Test Channel	CH 9800	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	59.9730	-51.12	-1.33	-52.45	-13.00	-39.45	peak	
2		157.7167	-57.38	3.47	-53.91	-13.00	-40.91	peak	
3		355.0793	-69.56	6.21	-63.35	-13.00	-50.35	peak	
4		532.7510	-68.25	7.24	-61.01	-13.00	-48.01	peak	
5		708.5797	-72.60	12.47	-60.13	-13.00	-47.13	peak	
6		959.6803	-76.31	13.04	-63.27	-13.00	-50.27	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

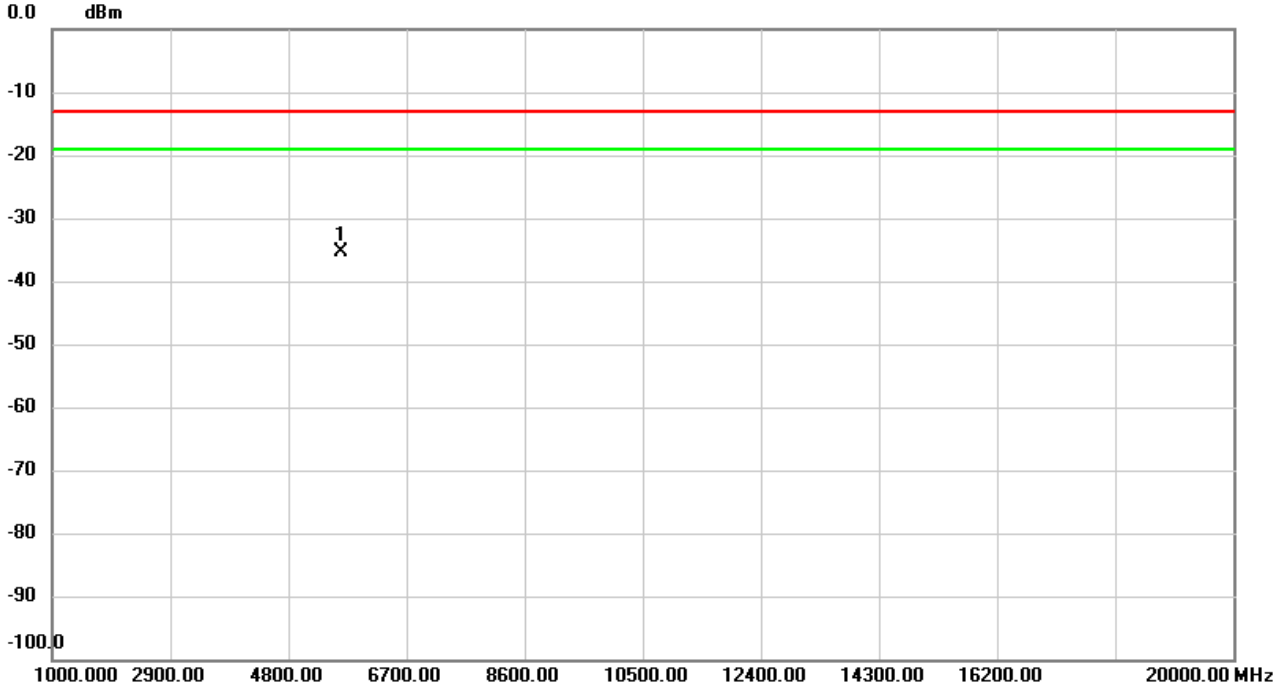
Test Mode	WCDMA Band II	Test Date	2021/5/8
Test Channel	CH 9800	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1		60.0053	-49.47	6.97	-42.50	-13.00	-29.50	peak	
2		157.5550	-54.48	2.70	-51.78	-13.00	-38.78	peak	
3		266.2596	-60.88	-0.19	-61.07	-13.00	-48.07	peak	
4		483.3133	-68.39	11.57	-56.82	-13.00	-43.82	peak	
5	*	745.6336	-52.92	12.46	-40.46	-13.00	-27.46	peak	
6		915.8040	-75.92	14.81	-61.11	-13.00	-48.11	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

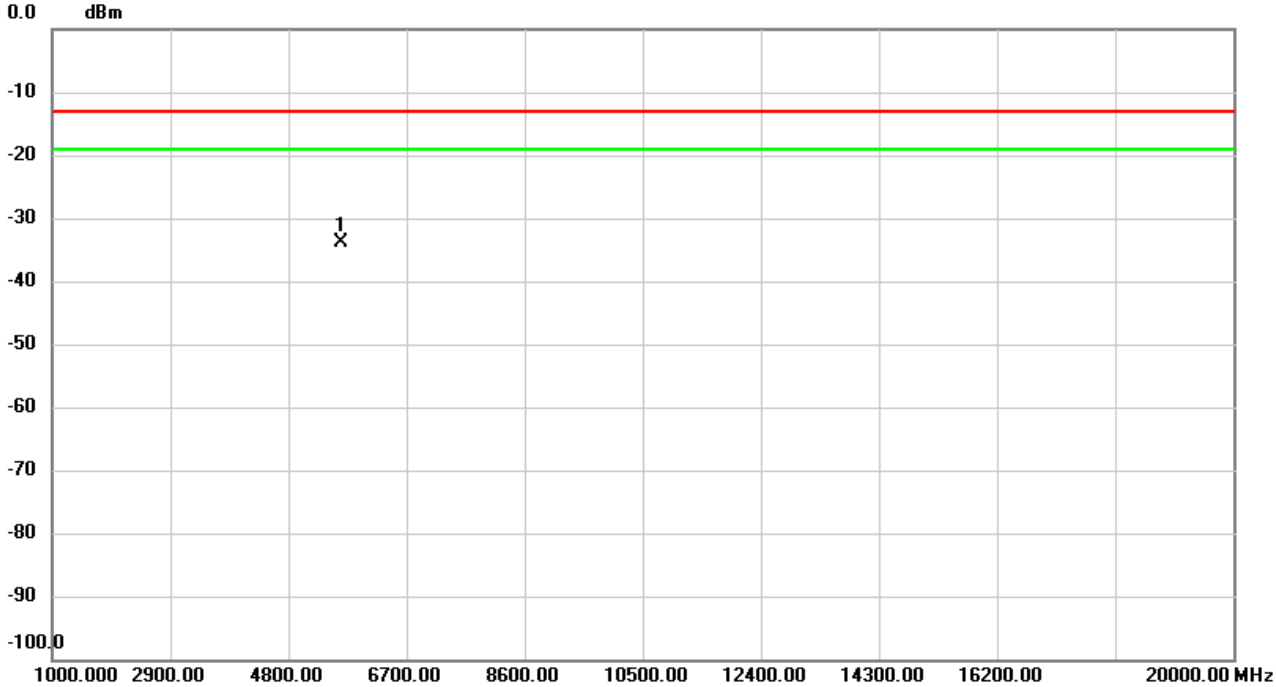
Test Mode	WCDMA Band II	Test Date	2021/5/8
Test Channel	CH 9800	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5636.633	-37.82	2.39	-35.43	-13.00	-22.43	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

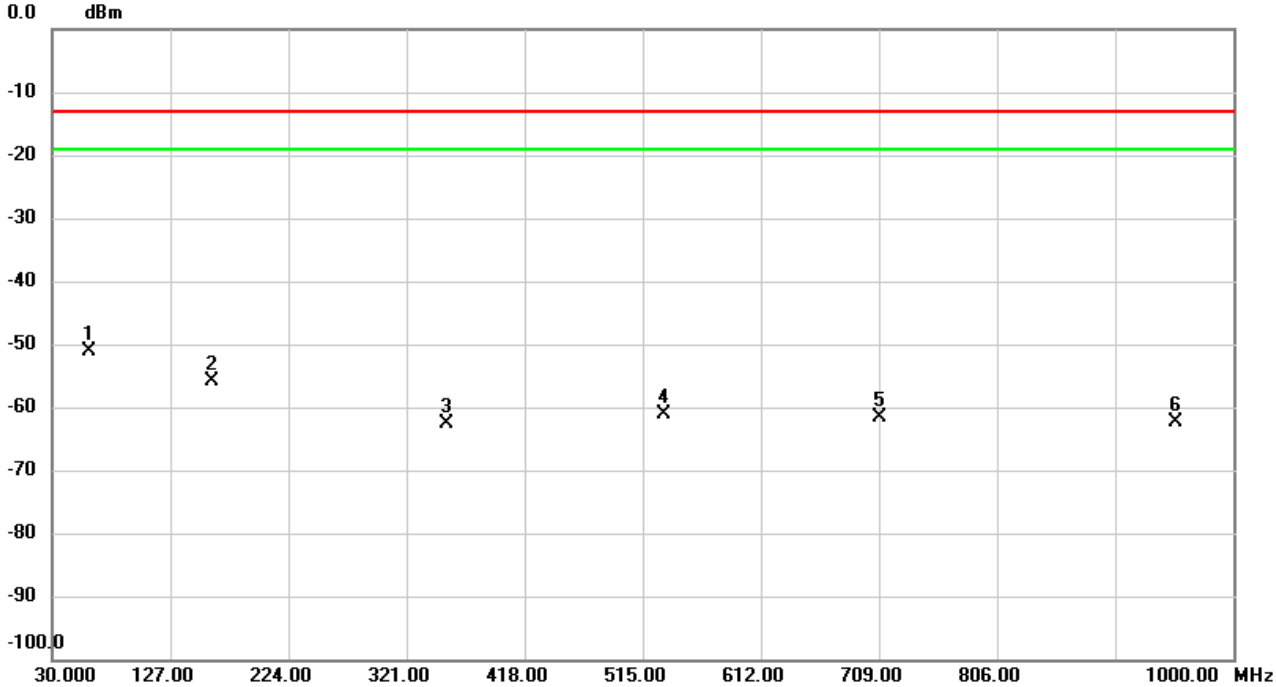
Test Mode	WCDMA Band II	Test Date	2021/5/8
Test Channel	CH 9800	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5636.633	-36.53	2.76	-33.77	-13.00	-20.77	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

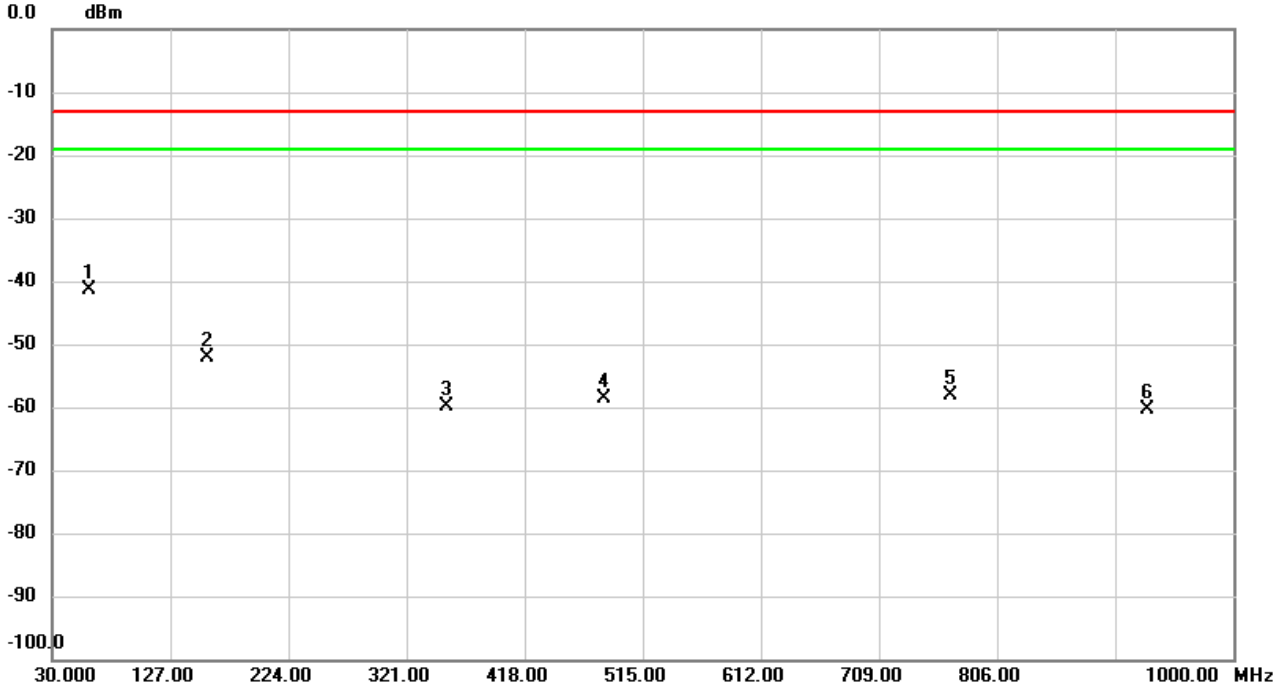
Test Mode	LTE Band 2	Test Date	2021/5/8
Test Channel	CH 18900	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	59.9730	-49.82	-1.33	-51.15	-13.00	-38.15	peak	
2		160.9823	-59.50	3.53	-55.97	-13.00	-42.97	peak	
3		354.4650	-68.99	6.26	-62.73	-13.00	-49.73	peak	
4		532.0072	-68.36	7.16	-61.20	-13.00	-48.20	peak	
5		709.5820	-73.99	12.45	-61.54	-13.00	-48.54	peak	
6		952.2437	-75.07	12.70	-62.37	-13.00	-49.37	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

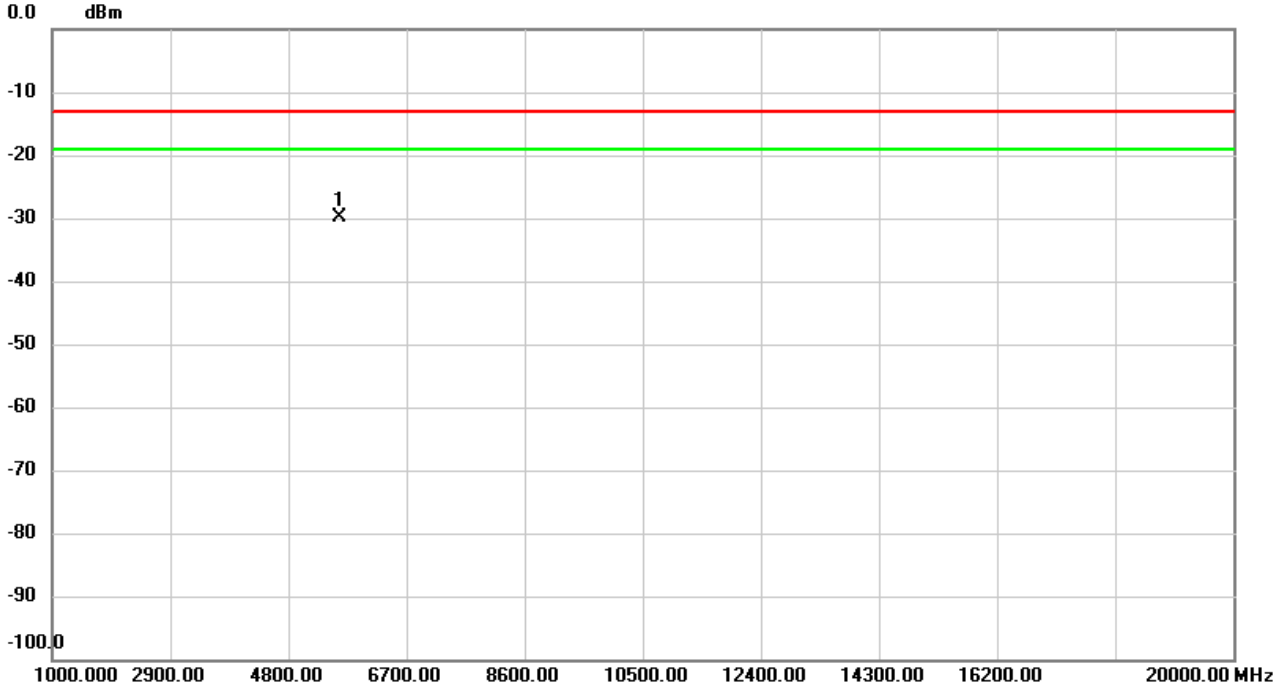
Test Mode	LTE Band 2	Test Date	2021/5/8
Test Channel	CH 18900	Polarization	Horizontal
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	60.0053	-48.28	6.97	-41.31	-13.00	-28.31	peak	
2		157.7490	-54.72	2.70	-52.02	-13.00	-39.02	peak	
3		354.4650	-64.08	4.27	-59.81	-13.00	-46.81	peak	
4		482.6990	-70.19	11.59	-58.60	-13.00	-45.60	peak	
5		768.0406	-71.76	13.64	-58.12	-13.00	-45.12	peak	
6		929.9336	-74.49	14.00	-60.49	-13.00	-47.49	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

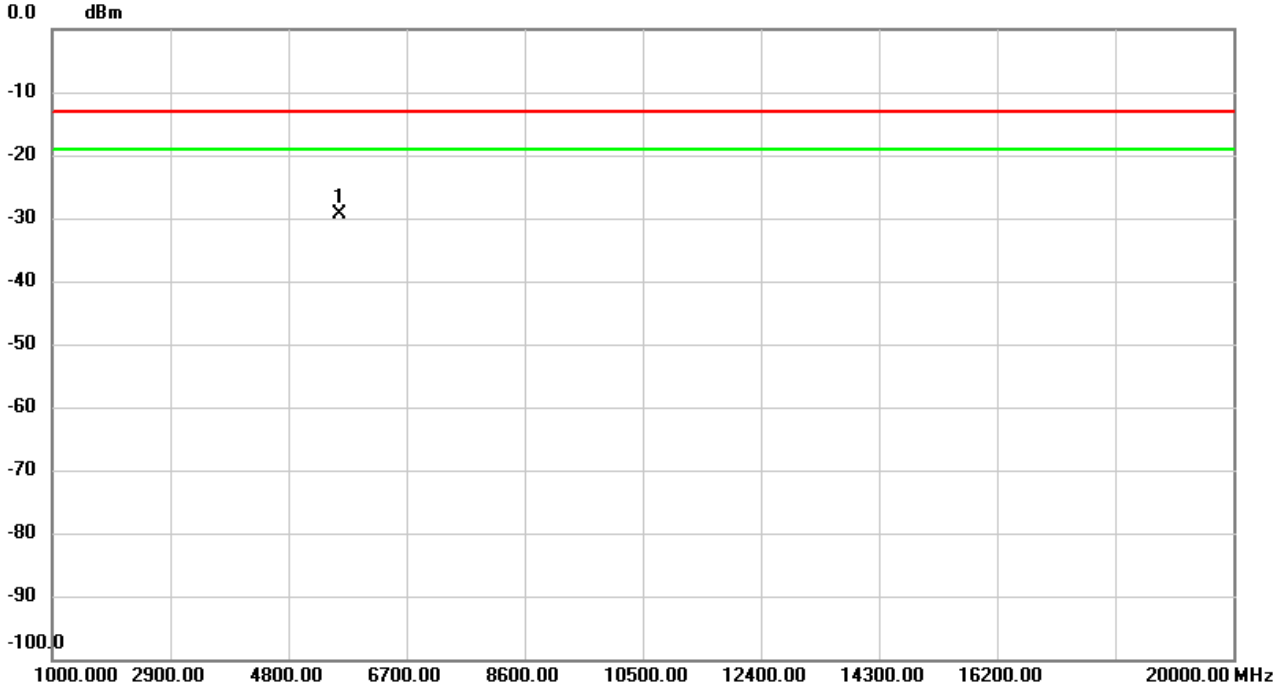
Test Mode	LTE Band 2	Test Date	2021/5/7
Test Channel	CH 18900	Polarization	Vertical
Temp	24°C	Hum.	58%



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5613.200	-32.42	2.44	-29.98	-13.00	-16.98	peak	

REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

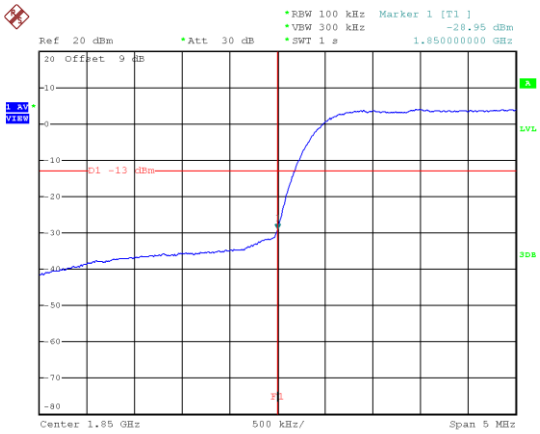
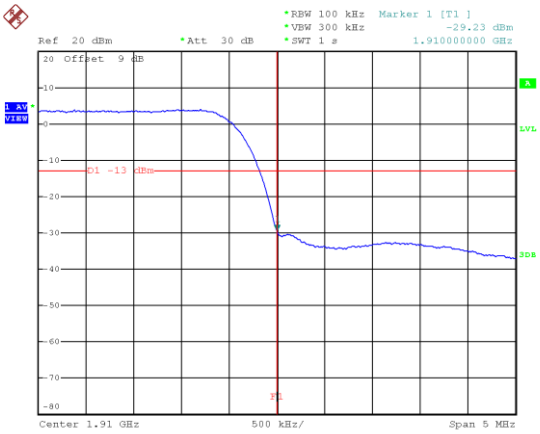
Test Mode	LTE Band 2	Test Date	2021/5/7
Test Channel	CH 18900	Polarization	Horizontal
Temp	24°C	Hum.	58%

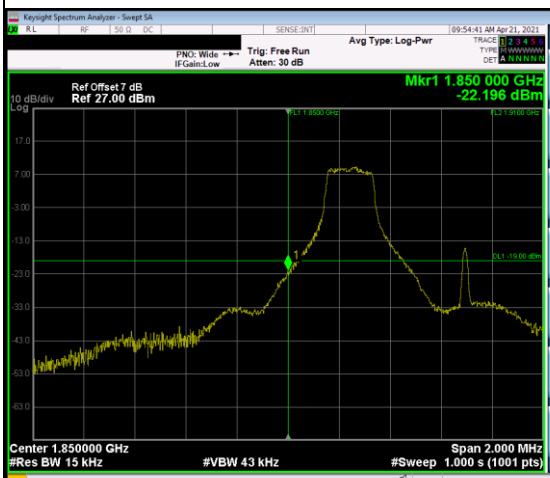
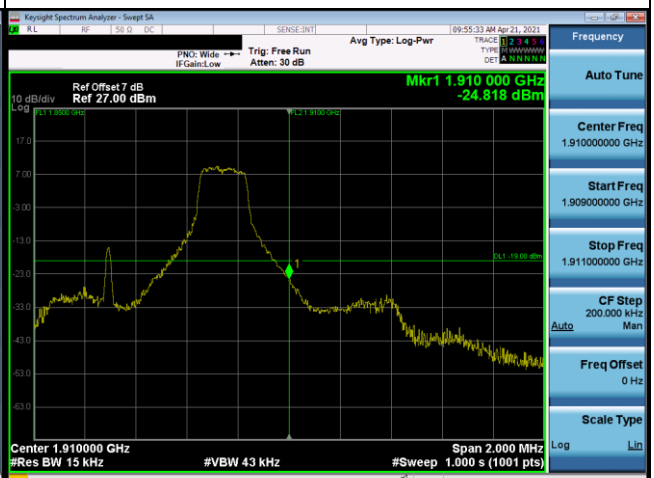
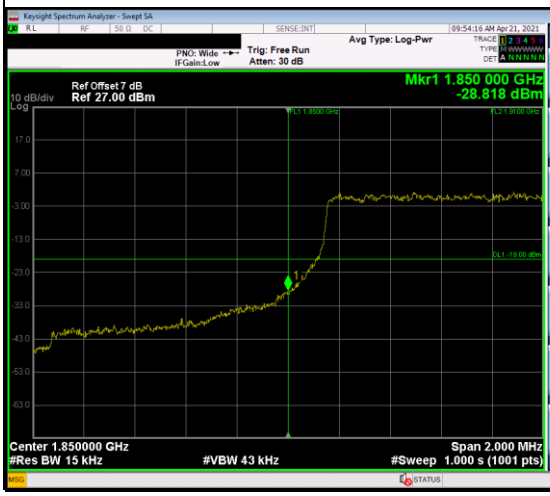


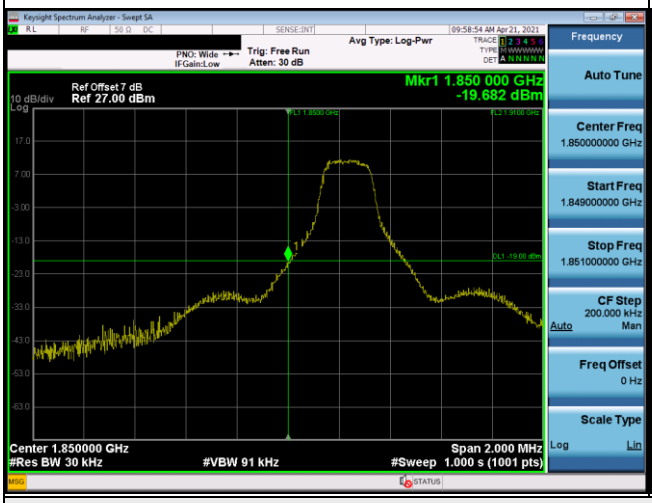
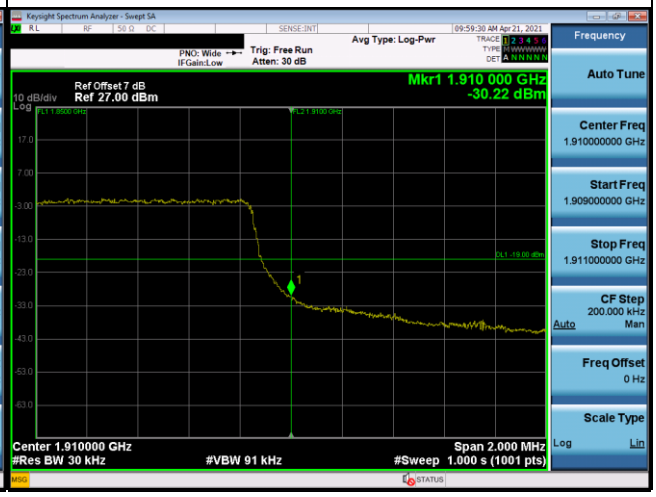
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBm	dB	dBm	dBm	dB	Detector	Comment
1	*	5613.833	-32.26	2.82	-29.44	-13.00	-16.44	peak	

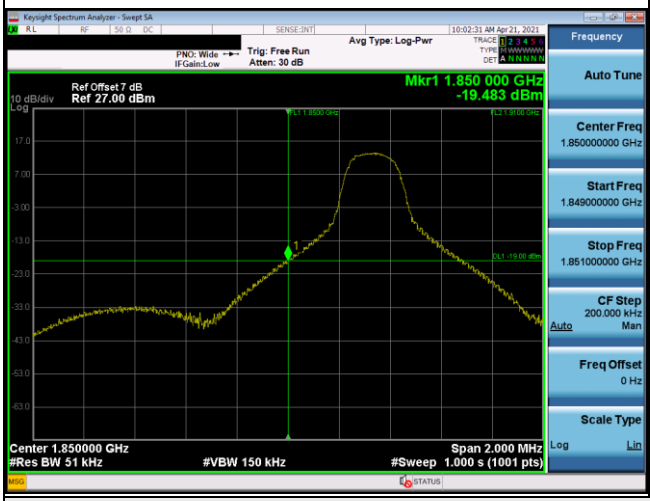
REMARKS:
(1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E BAND EDGE

WCDMA Band II_WCDMA Spectrum Plot			
Channel	9262	Channel	9538
			

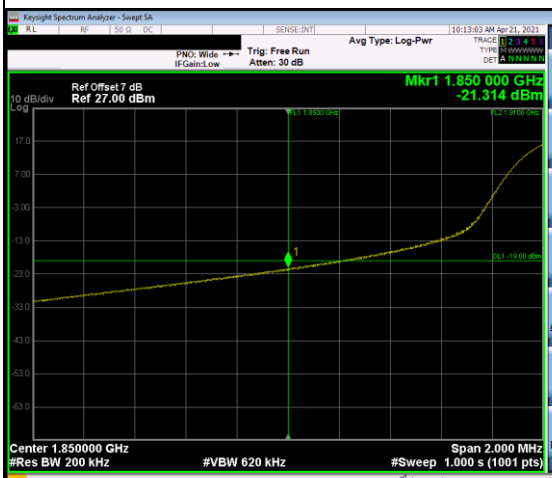
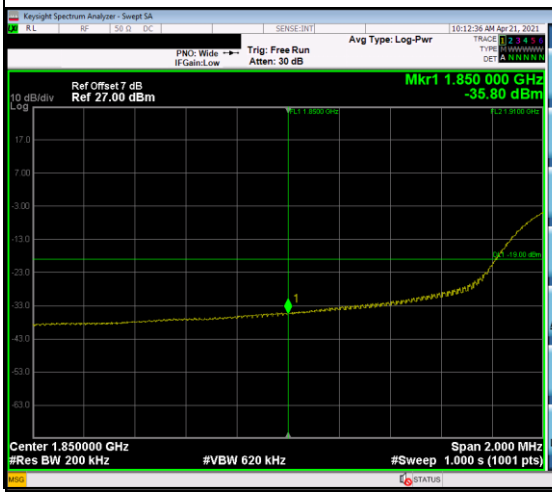
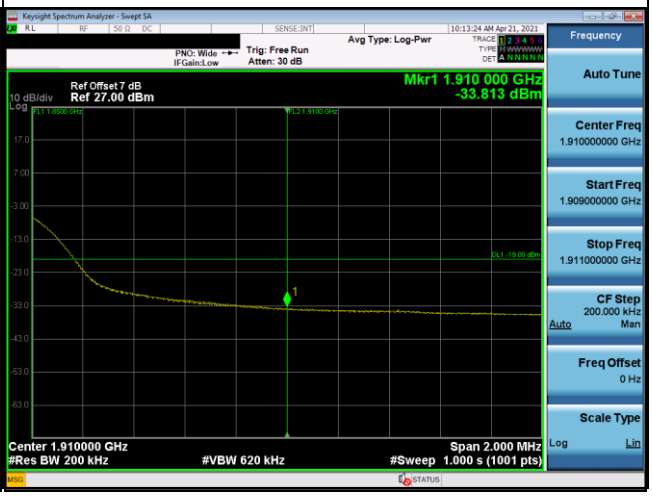
LTE Band 2_1.4M Spectrum Plot			
1RB#0		1RB#5	
Channel	18607	Channel	19193
			
6RB#0			
Channel	18607	Channel	19193
			

LTE Band 2_3M Spectrum Plot			
1RB#0		1RB#14	
Channel	18615	Channel	19185
			
15RB#0			
Channel	18615	Channel	19185
			

LTE Band 2_5M Spectrum Plot			
1RB#0		1RB#24	
Channel	18625	Channel	19175
			
25RB#0			
Channel	18625	Channel	19175

LTE Band 2_10M Spectrum Plot			
1RB#0		1RB#49	
Channel	18650	Channel	19150
50RB#0			
Channel	18650	Channel	19150

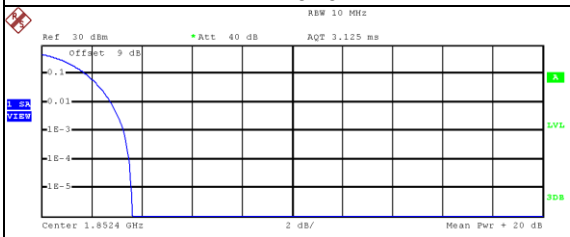
LTE Band 2_15M Spectrum Plot			
1RB#0		1RB#74	
Channel	18675	Channel	19125
75RB#0			
Channel	18675	Channel	19125

LTE Band 2_20M Spectrum Plot			
1RB#0		1RB#99	
Channel	18700	Channel	19100
			
100RB#0			
Channel	18700	Channel	19100
			

APPENDIX F PEAK TO AVERAGE RATIO

WCDMA Band II_WCDMA Spectrum Plot

9262

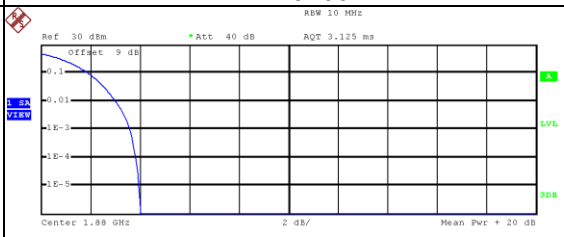


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	19.66 dBm
Peak	23.28 dBm
Crest	3.62 dB
10 %	1.80 dB
1 %	2.80 dB
.1 %	3.28 dB
.01 %	3.52 dB

Date: 21.APR.2021 21:21:41

9400

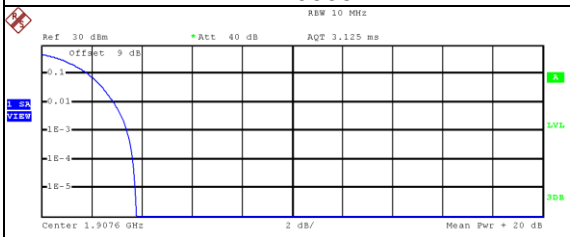


Complementary Cumulative Distribution Function (100000 samples)

	Trace 1
Mean	19.75 dBm
Peak	23.77 dBm
Crest	4.02 dB
10 %	1.96 dB
1 %	3.04 dB
.1 %	3.60 dB
.01 %	3.84 dB

Date: 21.APR.2021 21:22:37

9538



Complementary Cumulative Distribution Function (100000 samples)

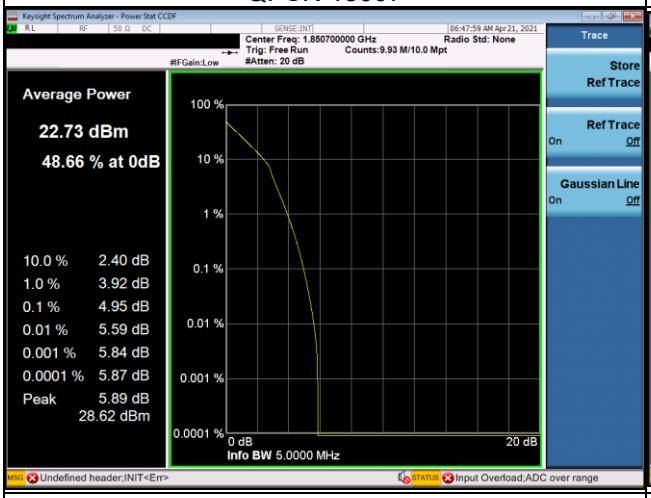
	Trace 1
Mean	19.56 dBm
Peak	23.35 dBm
Crest	3.79 dB
10 %	1.88 dB
1 %	2.88 dB
.1 %	3.40 dB
.01 %	3.64 dB

Date: 21.APR.2021 21:23:27

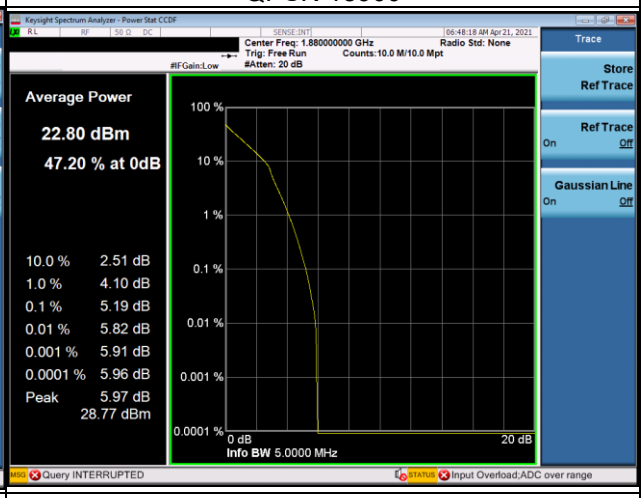
-

LTE Band 2_1.4M Spectrum Plot

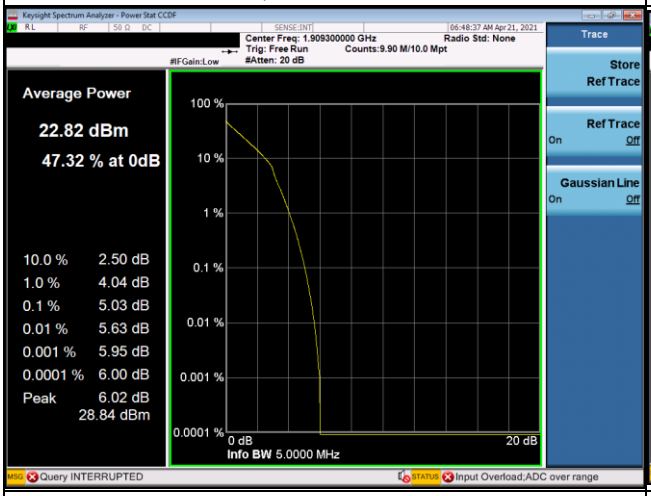
QPSK-18607



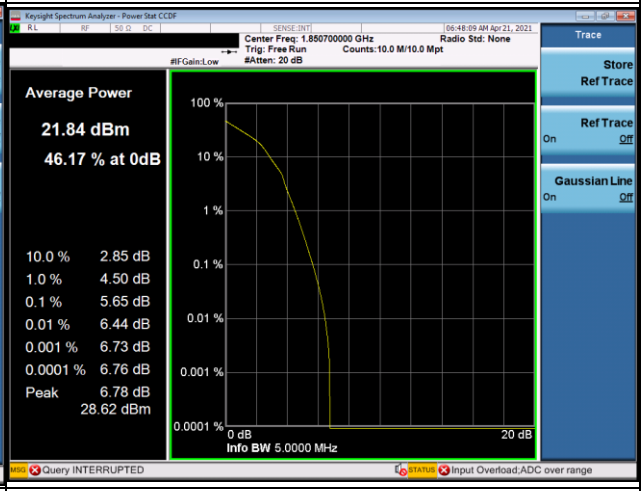
QPSK-18900



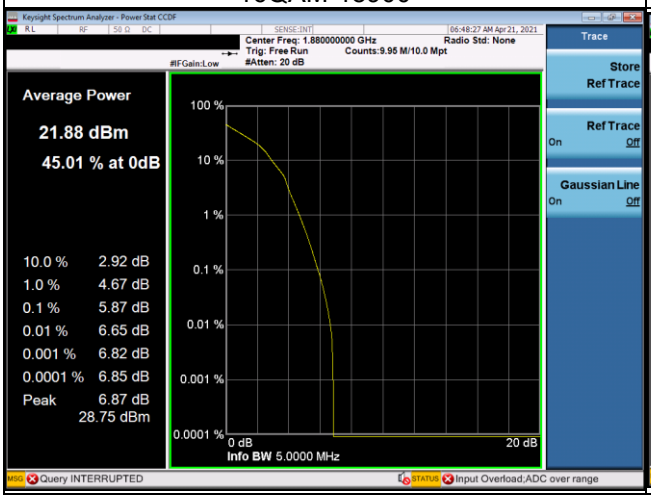
QPSK-19193



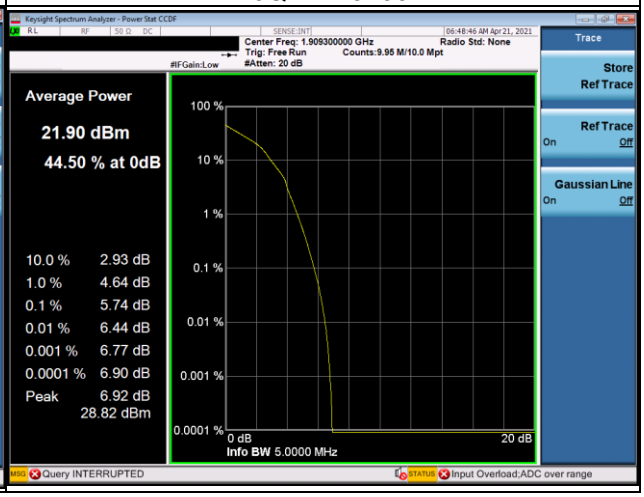
16QAM-18607



16QAM-18900

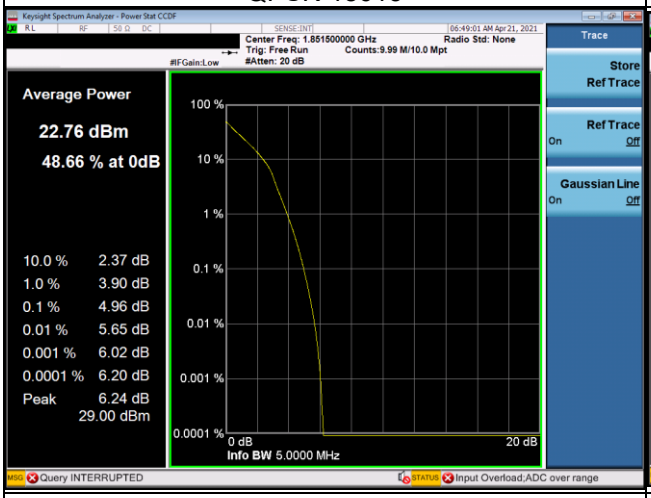


16QAM-19193

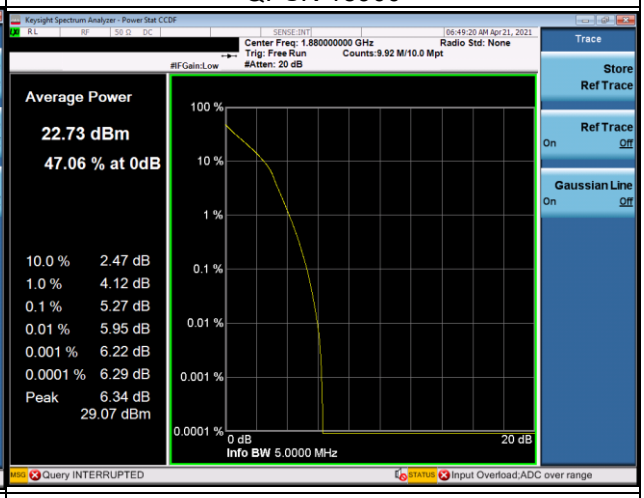


LTE Band 2_3M Spectrum Plot

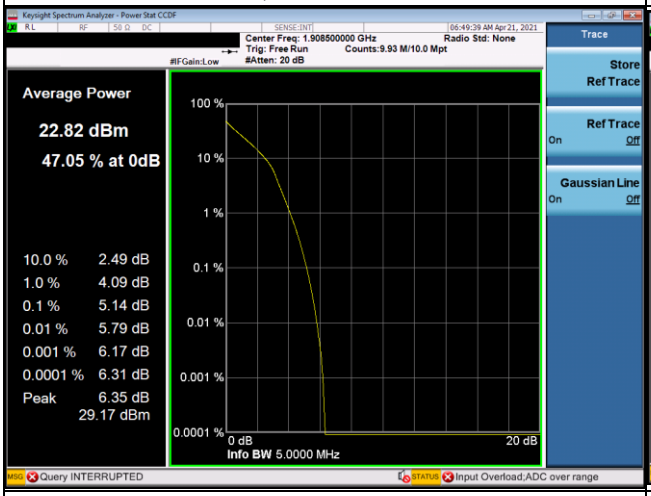
QPSK-18615



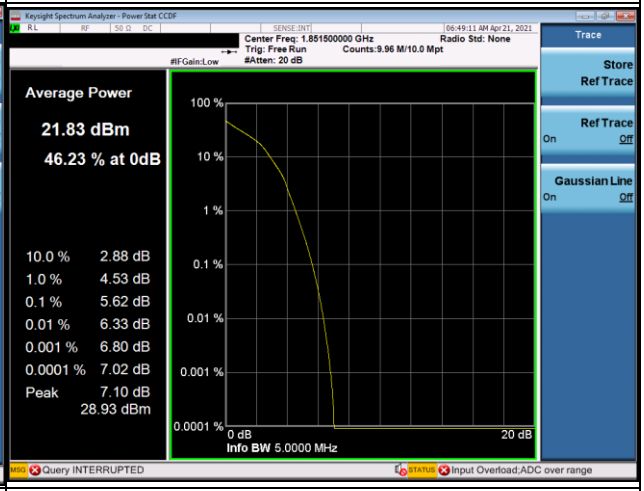
QPSK-18900



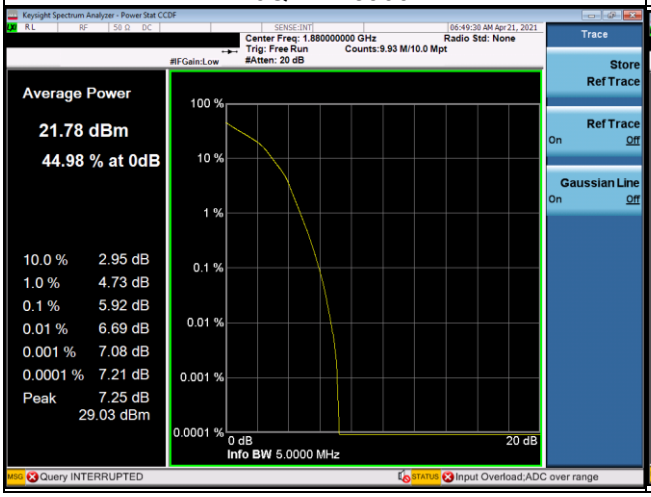
QPSK-19185



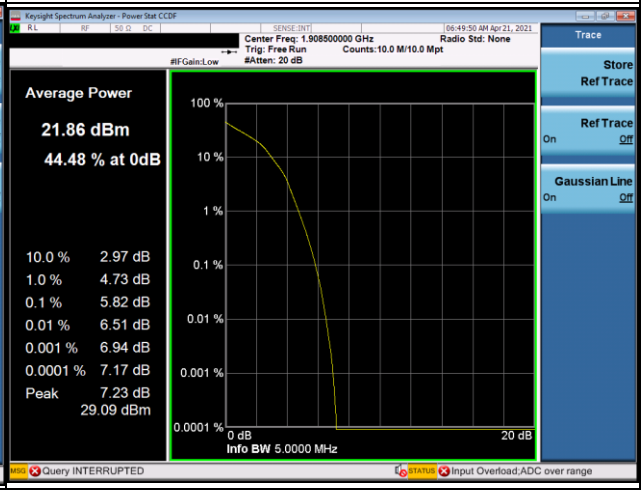
16QAM-18615



16QAM-18900

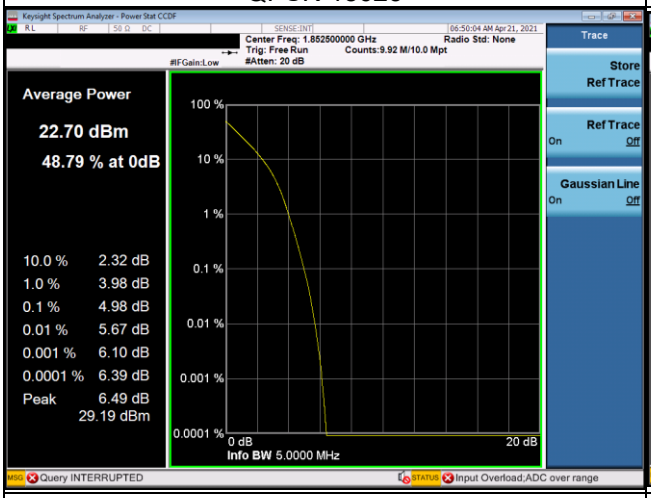


16QAM-19185



LTE Band 2_5M Spectrum Plot

QPSK-18625



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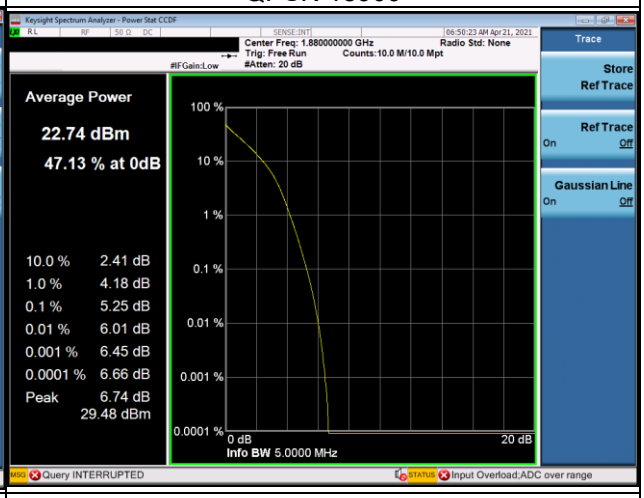

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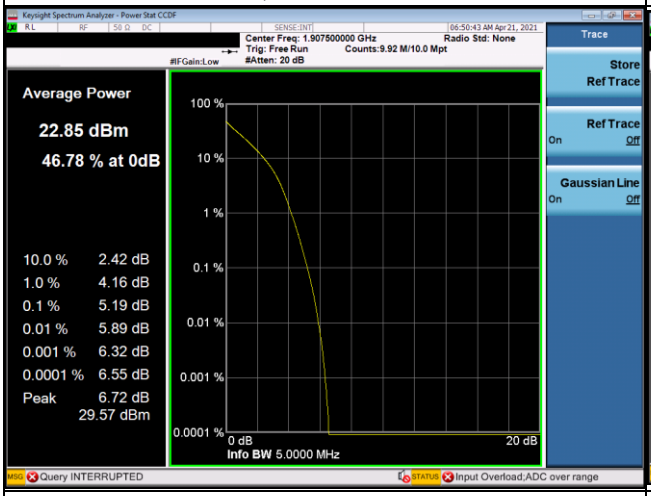
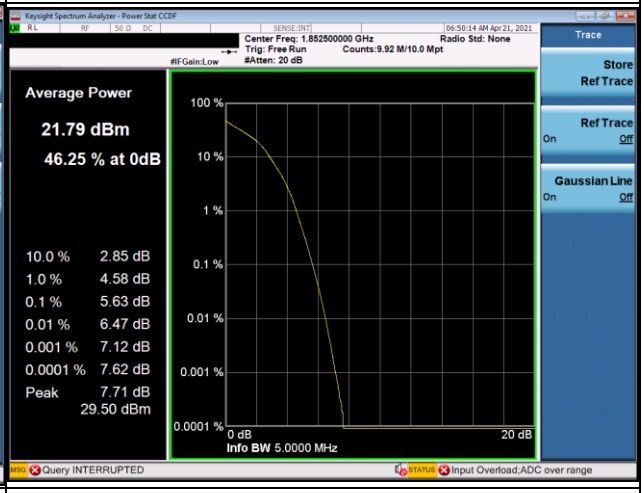


16QAM-18625



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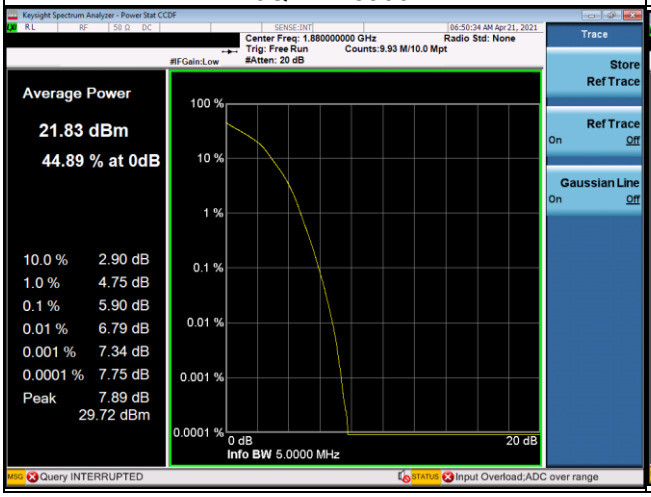

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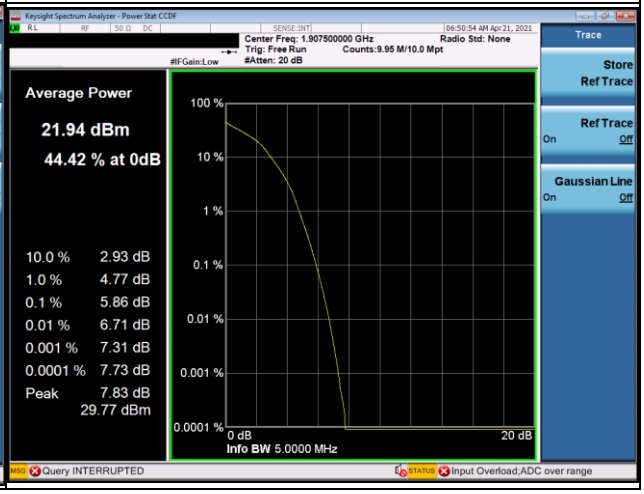
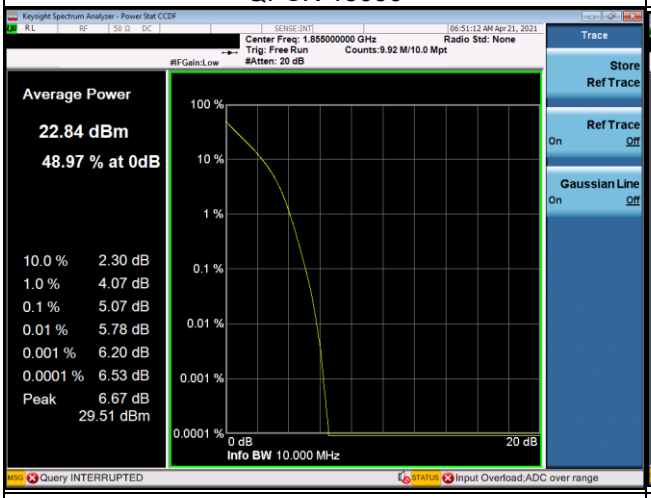


LTE Band 2_10M Spectrum Plot

QPSK-18650



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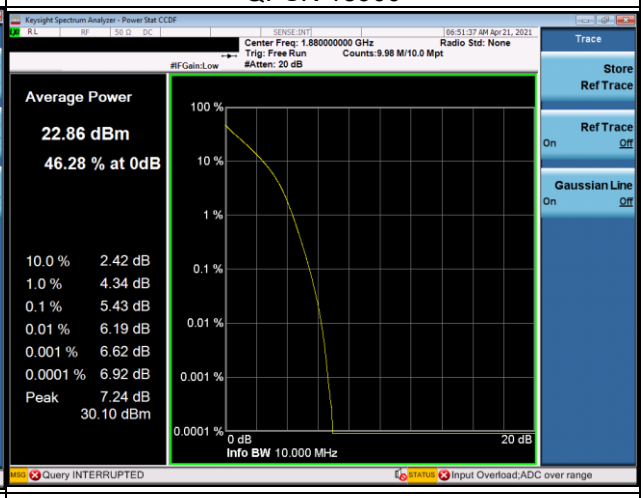

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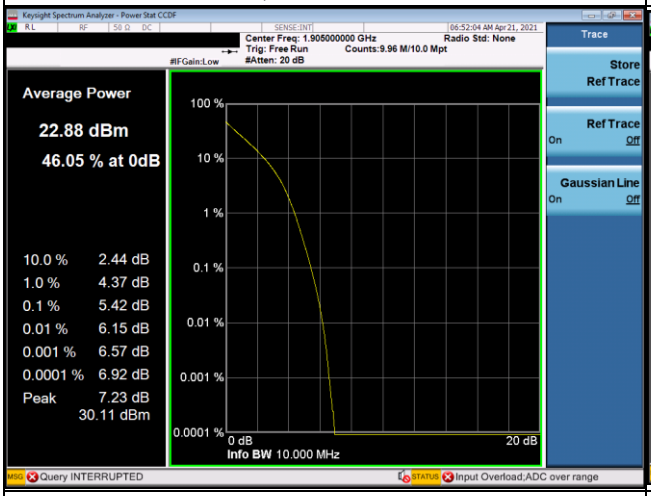

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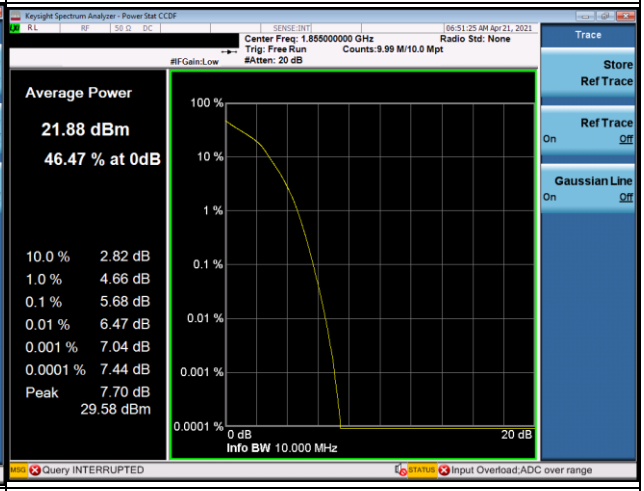

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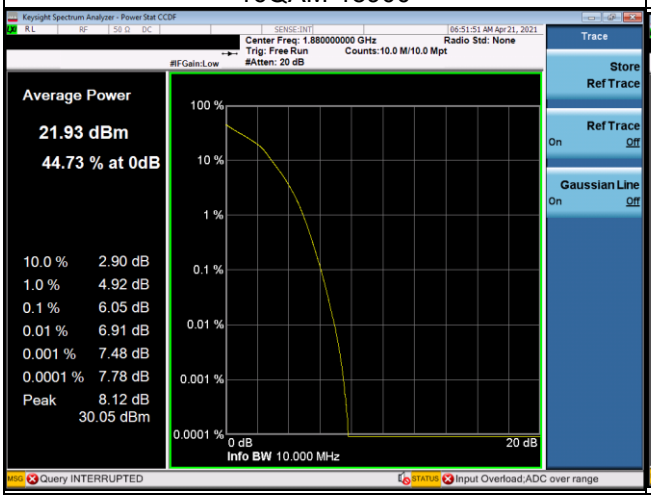
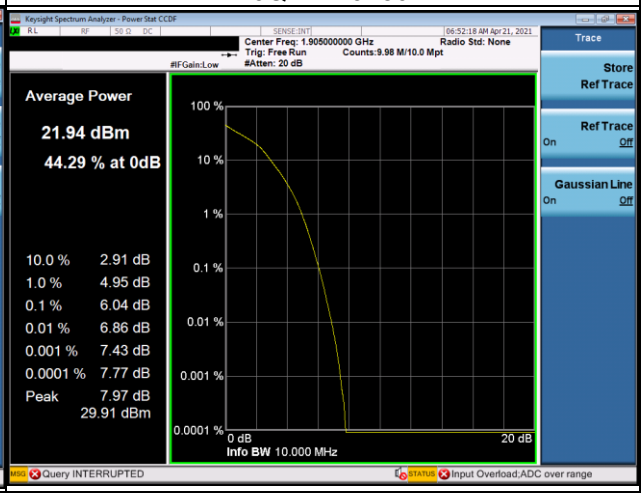
16QAM-19150