

## LTE Band 26\_5M Spectrum Plot

Channel	Frequency(MHz)	Channel	Frequency(MHz)
26915	836.5	26915	836.5
<p>Ref 20 dBm    Offset 7.4 dB    Att 30 dB    RBW 1 kHz    VBW 3 kHz    SWT 145 ms    Marker 1 [F1]    -56.38 dBm</p> <p>Start 9 kHz    14.1 kHz/    Stop 150 kHz</p> <p>Date: 15.APR.2020 12:40:52</p>		<p>Ref 20 dBm    Offset 7.4 dB    Att 30 dB    RBW 10 kHz    VBW 30 kHz    SWT 300 ms    Marker 1 [F1]    -57.14 dBm</p> <p>Start 150 kHz    2.985 MHz/    Stop 30 MHz</p> <p>Date: 15.APR.2020 12:34:33</p>	
Channel	Frequency(MHz)	-	-
26915	836.5	-	-
<p>Ref 20 dBm    Offset 7.4 dB    Att 30 dB    RBW 1 MHz    VBW 3 MHz    SWT 60 ms    Marker 1 [F1]    -40.20 dBm</p> <p>Start 30 MHz    997 MHz/    Stop 10 GHz</p> <p>Date: 15.APR.2020 13:15:19</p>		-	

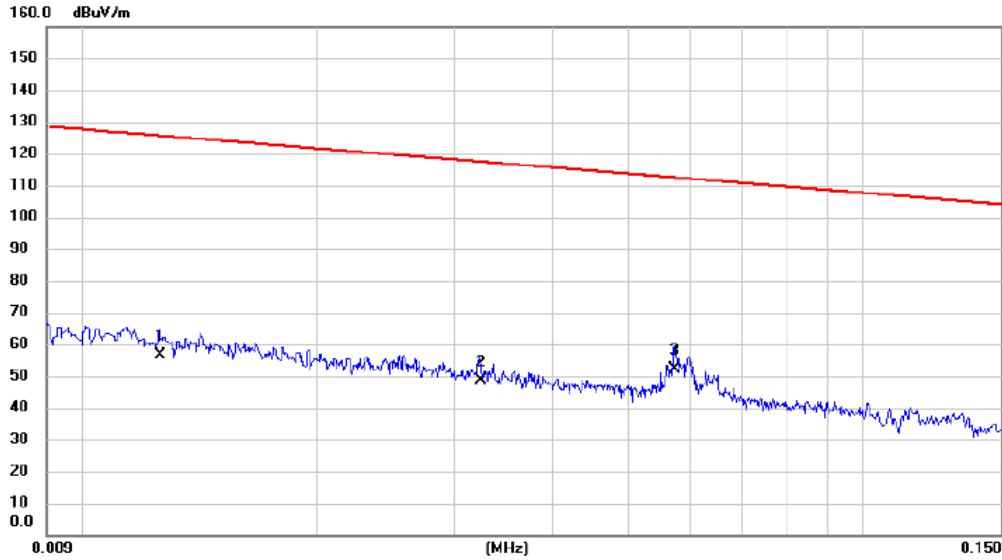
## LTE Band 26\_15M Spectrum Plot

Channel	Frequency(MHz)	Channel	Frequency(MHz)
26915	836.5	26915	836.5
Channel	Frequency(MHz)	-	-
26915	836.5	-	-

## **APPENDIX D - RADIATED SPURIOUS EMISSIONS (9KHZ TO 30MHZ)**

Test Mode TX Mode

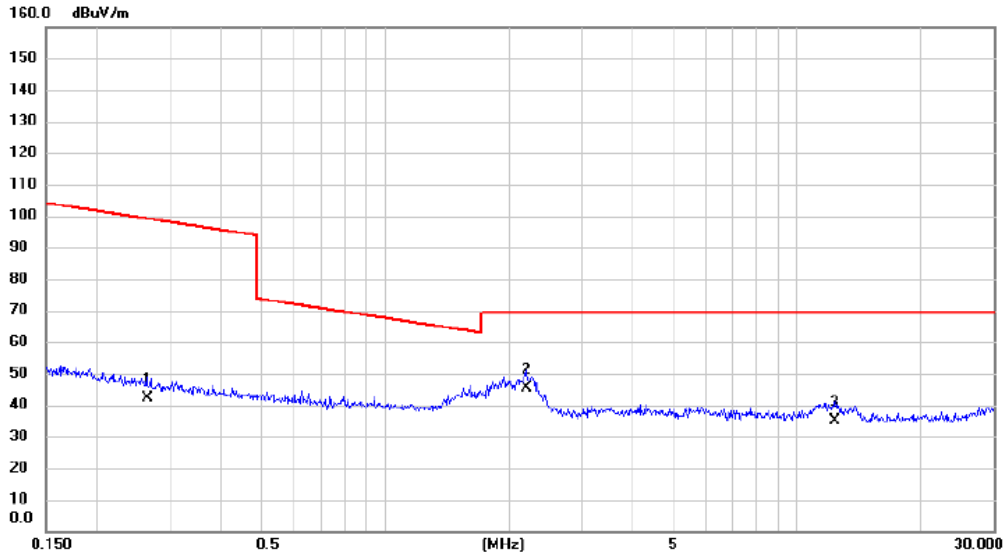
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0126	40.58	16.04	56.62	125.60	-68.98	AVG	
2		0.0324	34.59	13.87	48.46	117.39	-68.93	AVG	
3	*	0.0573	38.44	13.81	52.25	112.44	-60.19	AVG	

Test Mode TX Mode

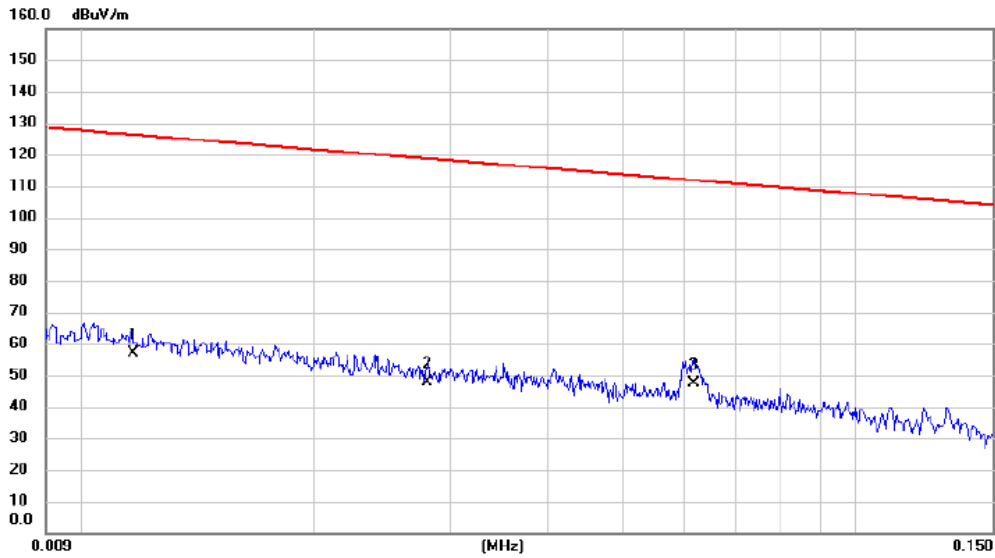
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2644	28.41	13.63	42.04	99.16	-57.12	AVG	
2	*	2.2015	33.69	11.70	45.39	69.54	-24.15	QP	
3		12.3837	23.47	11.60	35.07	69.54	-34.47	QP	

Test Mode TX Mode

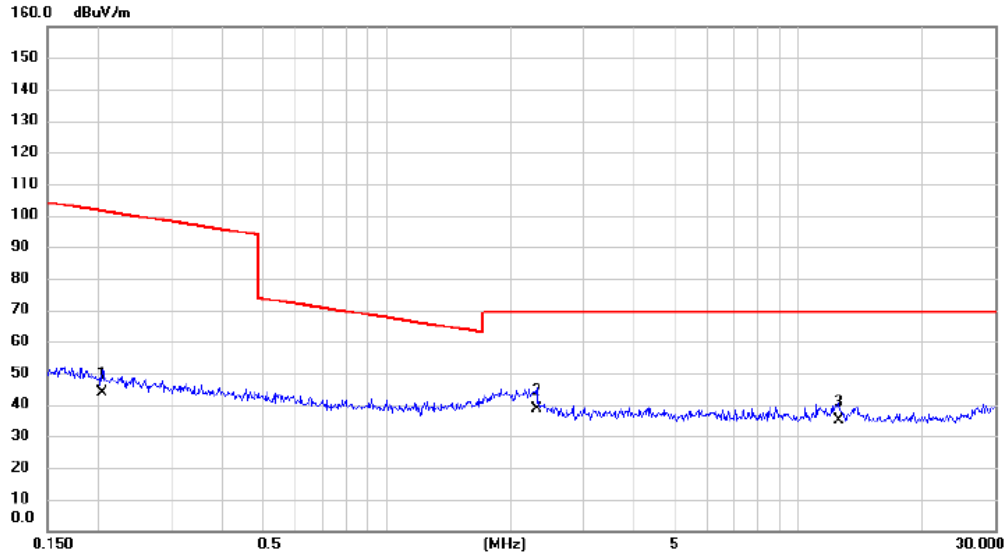
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0117	40.62	16.31	56.93	126.24	-69.31	AVG	
2		0.0280	34.15	13.85	48.00	118.66	-70.66	AVG	
3	*	0.0618	33.68	13.74	47.42	111.79	-64.37	AVG	

Test Mode TX Mode

Ant 90°



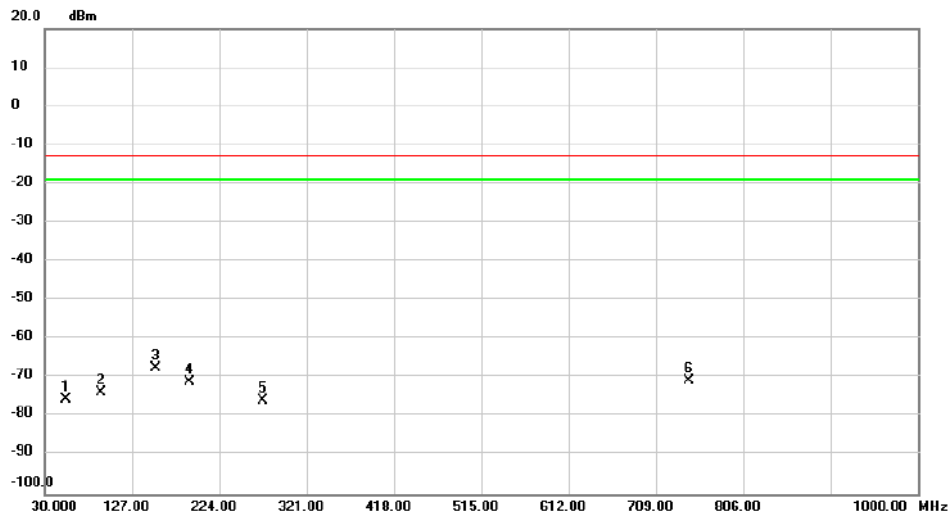
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2040	30.25	13.61	43.86	101.41	-57.55	AVG	
2	*	2.3090	26.97	11.63	38.60	69.54	-30.94	QP	
3		12.5156	23.48	11.60	35.08	69.54	-34.46	QP	



## **APPENDIX E - RADIATED SPURIOUS EMISSIONS (30MHZ TO 1000MHZ)**

Test Mode GSM850\_TX CH190\_GSM\_Main Antenna

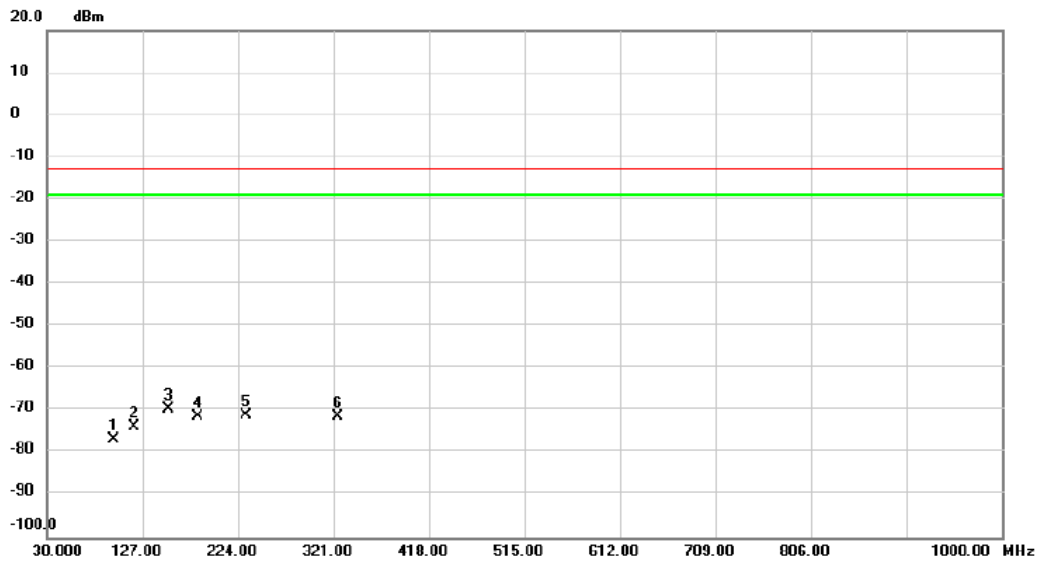
### Vertical



No. Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	53.2800	-71.25	-4.24	-75.49	-13.00	-62.49	peak	
2	93.0500	-67.55	-6.18	-73.73	-13.00	-60.73	peak	
3 *	153.1900	-65.18	-2.41	-67.59	-13.00	-54.59	peak	
4	191.0200	-65.83	-5.08	-70.91	-13.00	-57.91	peak	
5	272.5000	-72.34	-3.53	-75.87	-13.00	-62.87	peak	
6	745.8600	-76.20	5.44	-70.76	-13.00	-57.76	peak	

Test Mode GSM850\_TX CH190\_GSM\_Main Antenna

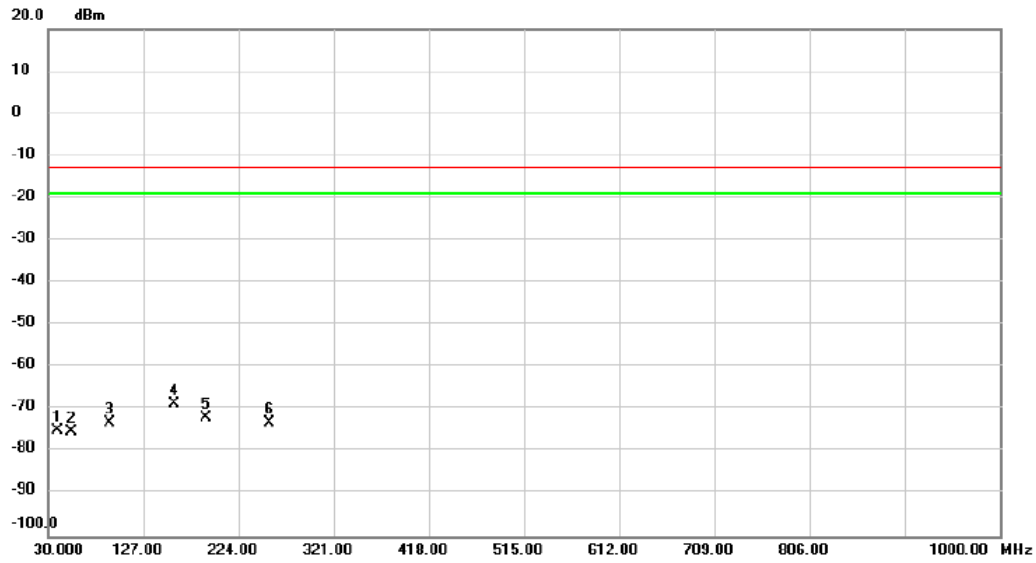
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-70.86	-5.82	-76.68	-13.00	-63.68	peak	
2		118.2700	-70.04	-3.78	-73.82	-13.00	-60.82	peak	
3	*	153.1900	-67.15	-2.41	-69.56	-13.00	-56.56	peak	
4		183.2600	-67.21	-4.12	-71.33	-13.00	-58.33	peak	
5		232.7300	-66.19	-4.76	-70.95	-13.00	-57.95	peak	
6		324.8800	-69.75	-1.66	-71.41	-13.00	-58.41	peak	

Test Mode GSM850\_TX CH190\_GSM\_Second Antenna

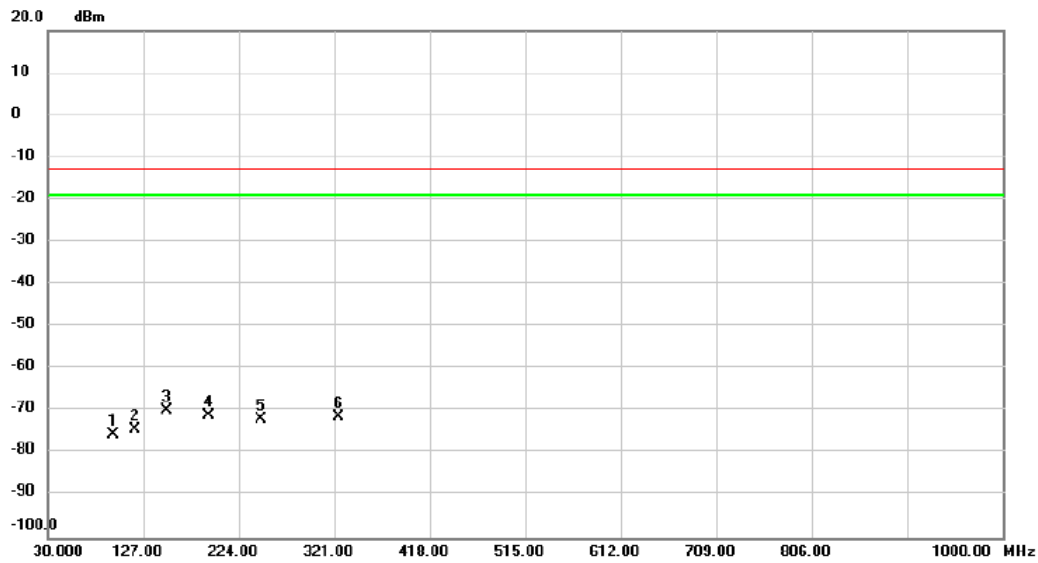
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		39.7000	-70.98	-4.12	-75.10	-13.00	-62.10	peak	
2		54.2500	-71.06	-4.22	-75.28	-13.00	-62.28	peak	
3		93.0500	-67.05	-6.18	-73.23	-13.00	-60.23	peak	
4	*	158.0400	-66.97	-1.78	-68.75	-13.00	-55.75	peak	
5		191.0200	-66.83	-5.08	-71.91	-13.00	-58.91	peak	
6		255.0400	-69.30	-3.76	-73.06	-13.00	-60.06	peak	

Test Mode GSM850\_TX CH190\_GSM\_Second Antenna

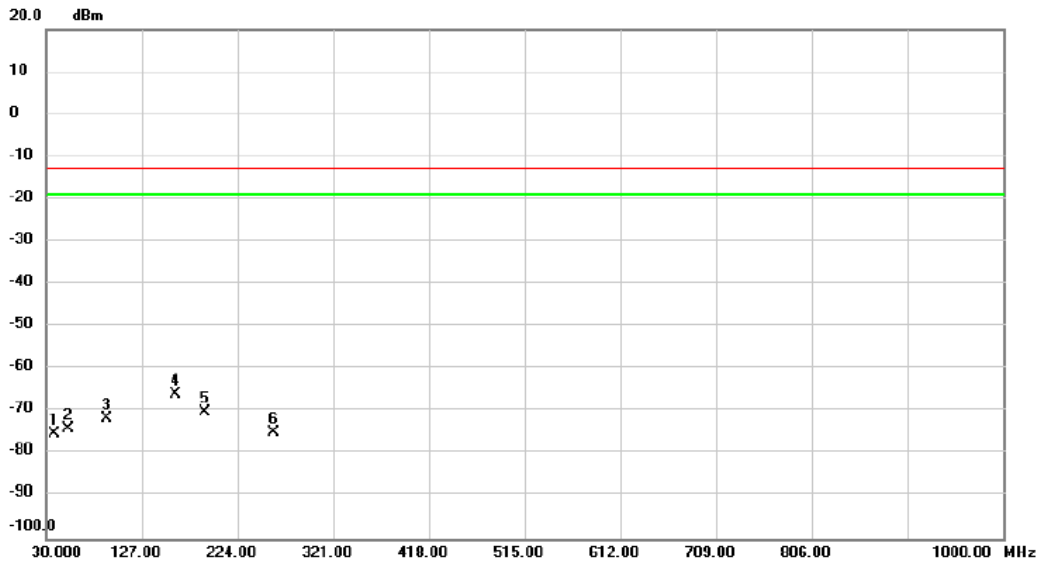
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-69.69	-5.88	-75.57	-13.00	-62.57	peak	
2		118.2700	-70.54	-3.78	-74.32	-13.00	-61.32	peak	
3	*	150.2800	-67.08	-2.78	-69.86	-13.00	-56.86	peak	
4		193.9300	-65.82	-5.29	-71.11	-13.00	-58.11	peak	
5		246.3100	-67.72	-4.38	-72.10	-13.00	-59.10	peak	
6		324.8800	-69.75	-1.66	-71.41	-13.00	-58.41	peak	

Test Mode WCDMA Band V\_TX CH4182\_Main Antenna

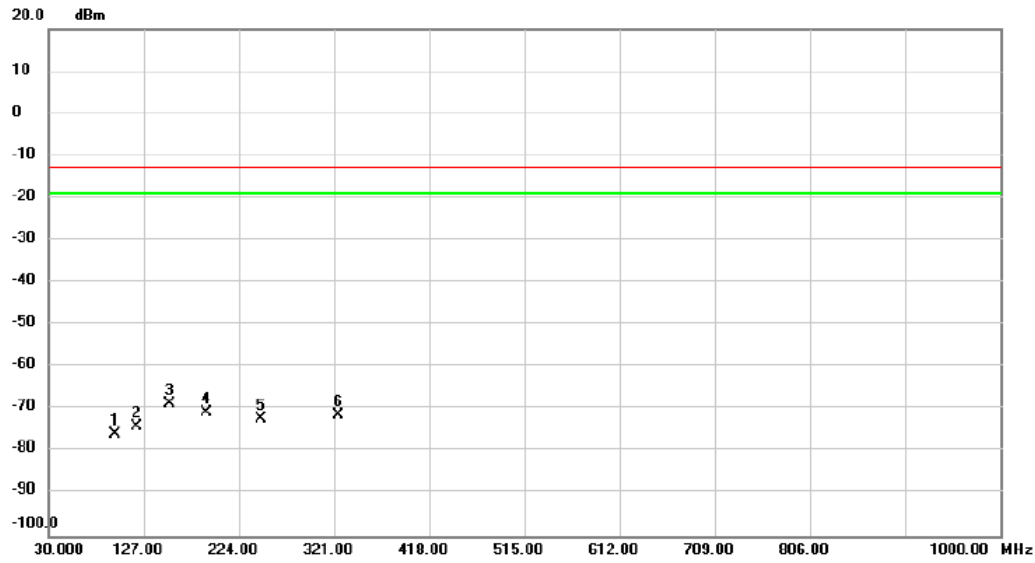
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		37.7600	-60.74	-14.40	-75.14	-13.00	-62.14	peak	
2		52.3100	-60.26	-13.88	-74.14	-13.00	-61.14	peak	
3		91.1100	-55.74	-15.93	-71.67	-13.00	-58.67	peak	
4	*	160.9500	-54.80	-11.25	-66.05	-13.00	-53.05	peak	
5		191.0200	-55.52	-14.67	-70.19	-13.00	-57.19	peak	
6		260.8600	-62.05	-12.84	-74.89	-13.00	-61.89	peak	

Test Mode WCDMA Band V\_TX CH4182\_Main Antenna

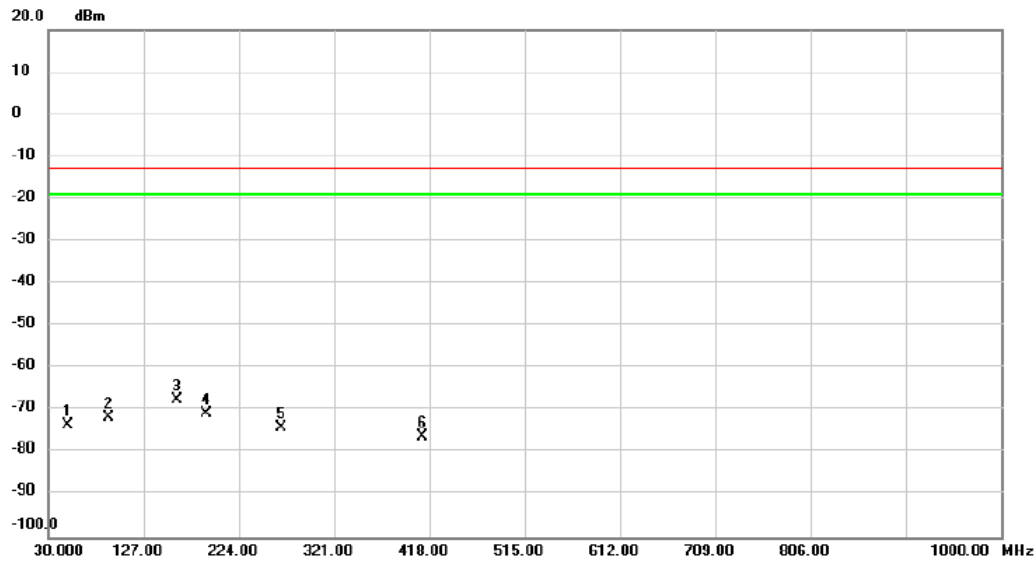
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-60.49	-15.41	-75.90	-13.00	-62.90	peak	
2		120.2100	-60.86	-13.12	-73.98	-13.00	-60.98	peak	
3	*	153.1900	-56.68	-12.00	-68.68	-13.00	-55.68	peak	
4		191.0200	-56.20	-14.67	-70.87	-13.00	-57.87	peak	
5		246.3100	-58.18	-13.97	-72.15	-13.00	-59.15	peak	
6		325.8500	-60.23	-11.24	-71.47	-13.00	-58.47	peak	

Test Mode WCDMA Band V\_TX CH4182\_Second Antenna

### Vertical

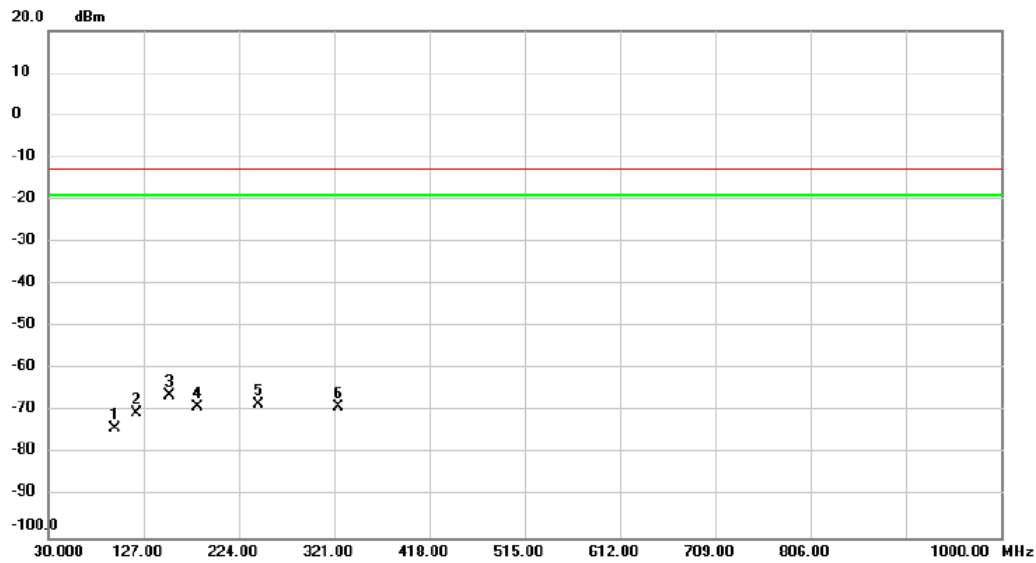


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		49.4000	-59.63	-13.83	-73.46	-13.00	-60.46	peak	
2		91.1100	-55.74	-15.93	-71.67	-13.00	-58.67	peak	
3	*	160.9500	-56.30	-11.25	-67.55	-13.00	-54.55	peak	
4		191.0200	-56.02	-14.67	-70.69	-13.00	-57.69	peak	
5		266.6800	-60.90	-13.09	-73.99	-13.00	-60.99	peak	
6		410.2400	-66.84	-9.44	-76.28	-13.00	-63.28	peak	



Test Mode WCDMA Band V\_TX CH4182\_Second Antenna

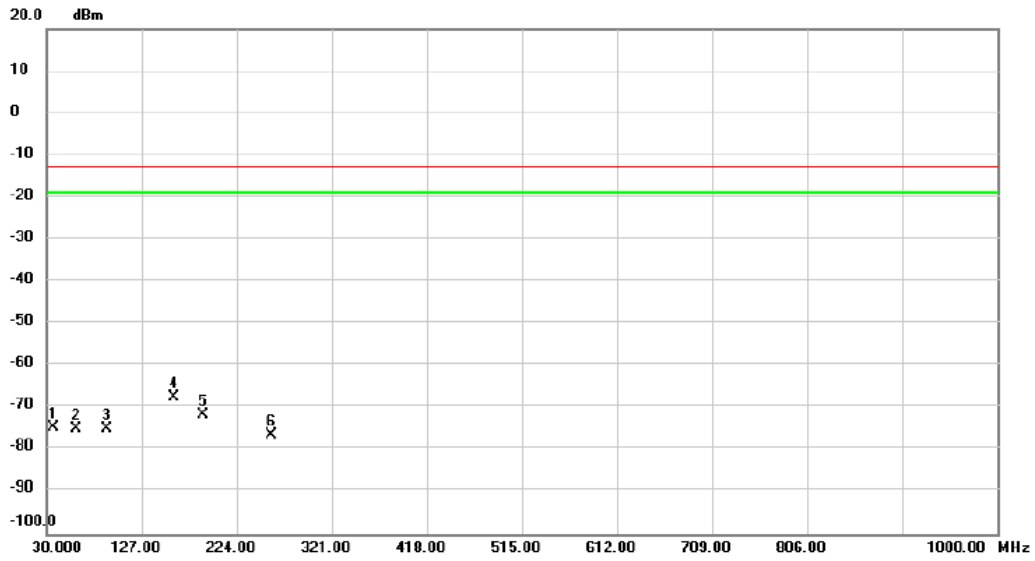
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-58.49	-15.41	-73.90	-13.00	-60.90	peak	
2		120.2100	-57.36	-13.12	-70.48	-13.00	-57.48	peak	
3	*	153.1900	-54.18	-12.00	-66.18	-13.00	-53.18	peak	
4		181.3200	-55.51	-13.44	-68.95	-13.00	-55.95	peak	
5		244.3700	-54.42	-14.03	-68.45	-13.00	-55.45	peak	
6		324.8800	-57.77	-11.25	-69.02	-13.00	-56.02	peak	

Test Mode      LTE Band 5\_TX CH20525\_1.4M\_Main Antenna

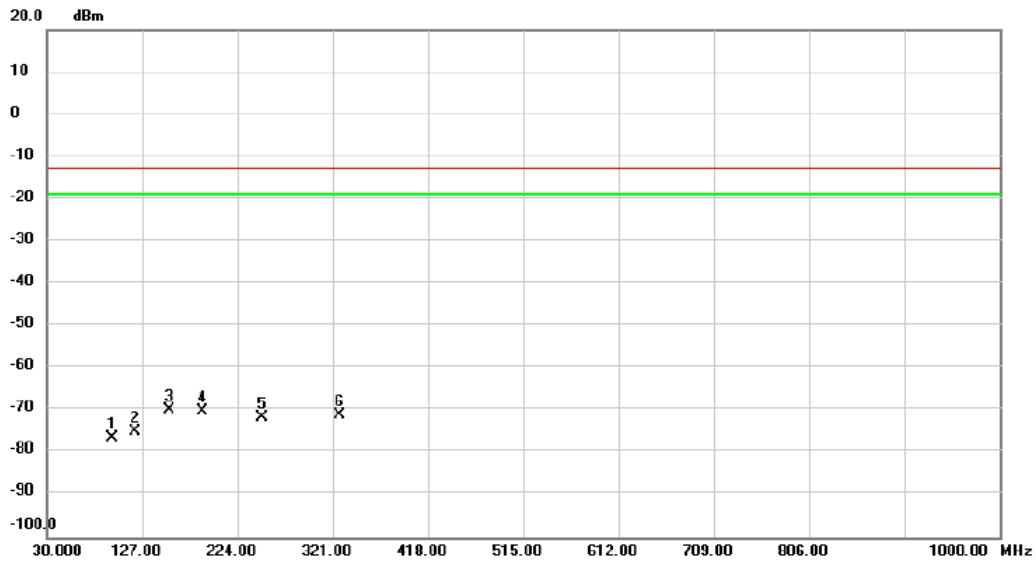
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		36.7900	-60.12	-14.41	-74.53	-13.00	-61.53	peak	
2		60.0700	-60.21	-14.75	-74.96	-13.00	-61.96	peak	
3		91.1100	-58.95	-15.93	-74.88	-13.00	-61.88	peak	
4	*	159.9800	-56.33	-11.13	-67.46	-13.00	-54.46	peak	
5		190.0500	-57.13	-14.60	-71.73	-13.00	-58.73	peak	
6		259.8900	-63.68	-12.82	-76.50	-13.00	-63.50	peak	

Test Mode LTE Band 5\_TX CH20525\_1.4M\_Main Antenna

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-61.12	-15.47	-76.59	-13.00	-63.59	peak	
2		119.2400	-61.57	-13.24	-74.81	-13.00	-61.81	peak	
3	*	154.1600	-57.97	-11.86	-69.83	-13.00	-56.83	peak	
4		188.1100	-55.92	-14.35	-70.27	-13.00	-57.27	peak	
5		249.2200	-57.80	-13.90	-71.70	-13.00	-58.70	peak	
6		327.7900	-59.84	-11.22	-71.06	-13.00	-58.06	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Main Antenna

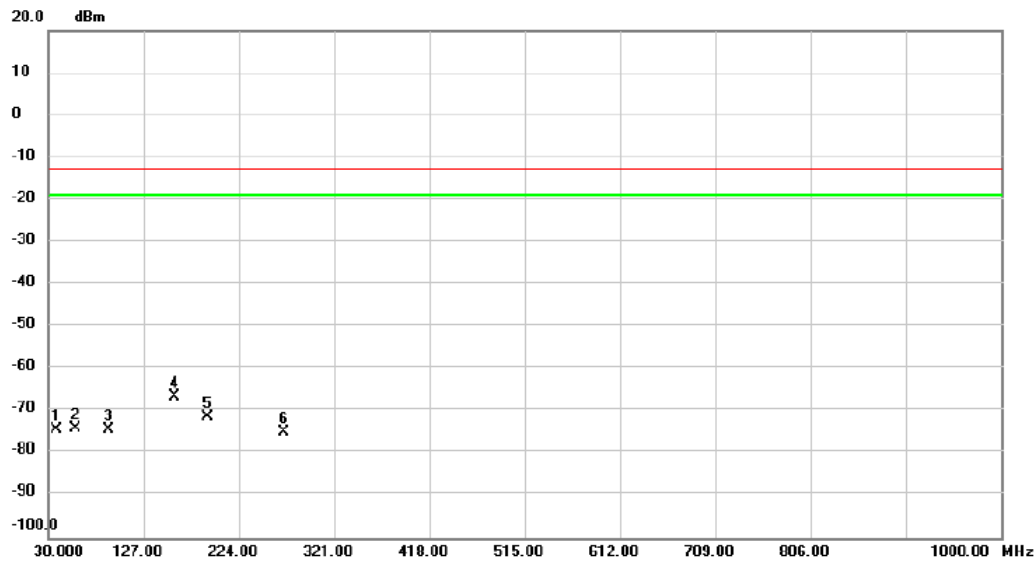
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		36.7900	-60.25	-14.41	-74.66	-13.00	-61.66	peak	
2		51.3400	-61.56	-13.83	-75.39	-13.00	-62.39	peak	
3		91.1100	-58.31	-15.93	-74.24	-13.00	-61.24	peak	
4	*	160.9500	-56.16	-11.25	-67.41	-13.00	-54.41	peak	
5		191.0200	-56.57	-14.67	-71.24	-13.00	-58.24	peak	
6		259.8900	-61.64	-12.82	-74.46	-13.00	-61.46	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Main Antenna

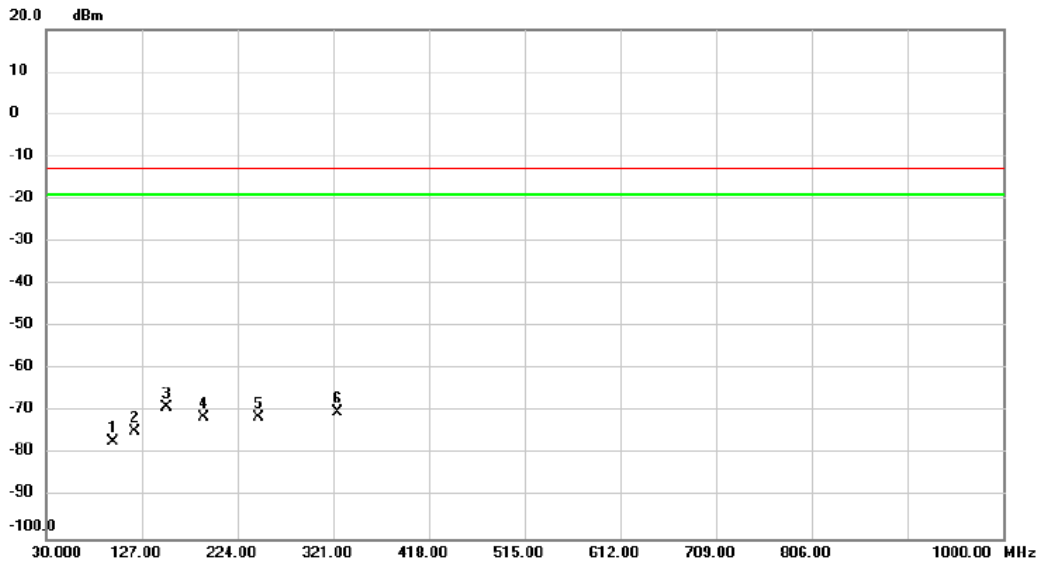
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		38.7300	-60.31	-14.11	-74.42	-13.00	-61.42	peak	
2		58.1300	-59.63	-14.56	-74.19	-13.00	-61.19	peak	
3		91.1100	-58.40	-15.93	-74.33	-13.00	-61.33	peak	
4	*	159.0100	-55.19	-11.25	-66.44	-13.00	-53.44	peak	
5		191.9900	-56.63	-14.75	-71.38	-13.00	-58.38	peak	
6		269.5900	-61.88	-13.22	-75.10	-13.00	-62.10	peak	

Test Mode LTE Band 5\_TX CH20525\_10M\_Main Antenna

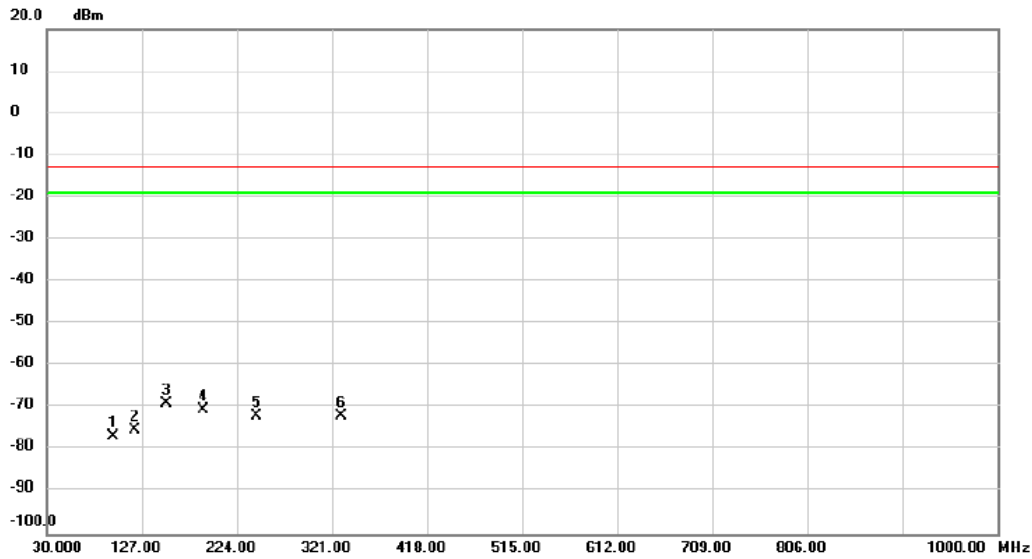
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-61.50	-15.41	-76.91	-13.00	-63.91	peak	
2		119.2400	-61.37	-13.24	-74.61	-13.00	-61.61	peak	
3	*	152.2200	-56.95	-12.11	-69.06	-13.00	-56.06	peak	
4		189.0800	-56.87	-14.48	-71.35	-13.00	-58.35	peak	
5		245.3400	-57.22	-14.00	-71.22	-13.00	-58.22	peak	
6		325.8500	-58.98	-11.24	-70.22	-13.00	-57.22	peak	

Test Mode      LTE Band 5\_TX CH20525\_10M\_Main Antenna

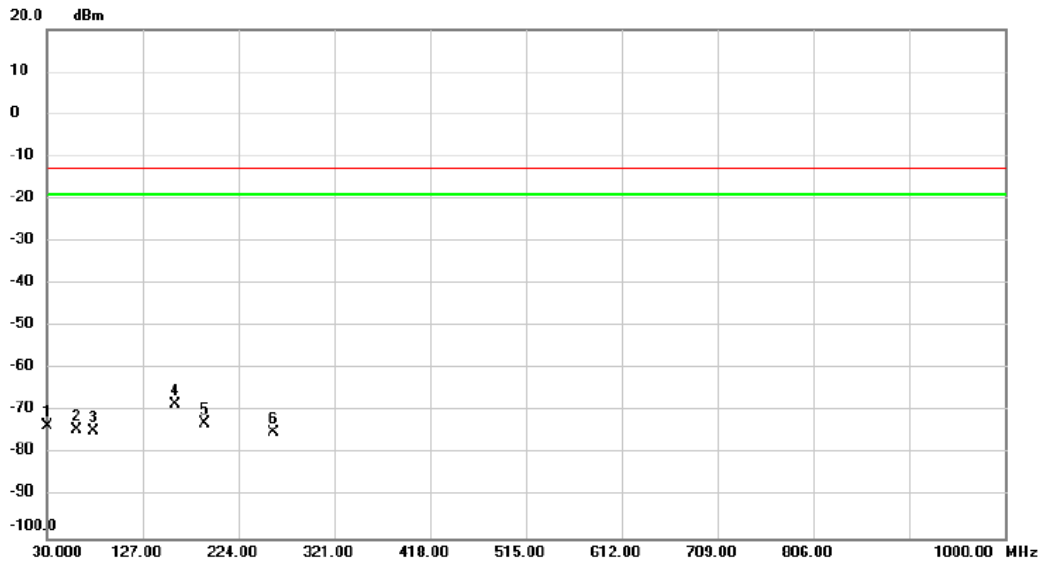
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-61.37	-15.41	-76.78	-13.00	-63.78	peak	
2		119.2400	-62.13	-13.24	-75.37	-13.00	-62.37	peak	
3	*	152.2200	-56.83	-12.11	-68.94	-13.00	-55.94	peak	
4		190.0500	-55.84	-14.60	-70.44	-13.00	-57.44	peak	
5		244.3700	-57.98	-14.03	-72.01	-13.00	-59.01	peak	
6		330.7000	-60.74	-11.17	-71.91	-13.00	-58.91	peak	

Test Mode LTE Band 5\_TX CH20525\_1.4M\_Second Antenna

### Vertical

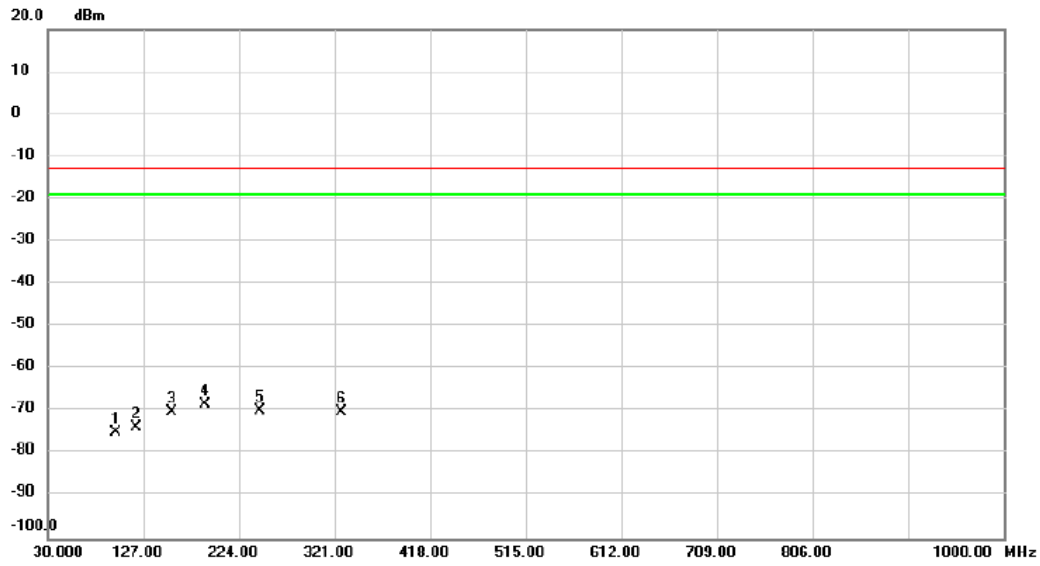


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1		30.0000	-58.56	-14.75	-73.31	-13.00	-60.31	peak	
2		60.0700	-59.71	-14.75	-74.46	-13.00	-61.46	peak	
3		77.5300	-57.20	-17.58	-74.78	-13.00	-61.78	peak	
4	*	159.9800	-57.33	-11.13	-68.46	-13.00	-55.46	peak	
5		190.0500	-58.13	-14.60	-72.73	-13.00	-59.73	peak	
6		259.8900	-62.18	-12.82	-75.00	-13.00	-62.00	peak	



Test Mode LTE Band 5\_TX CH20525\_1.4M\_Second Antenna

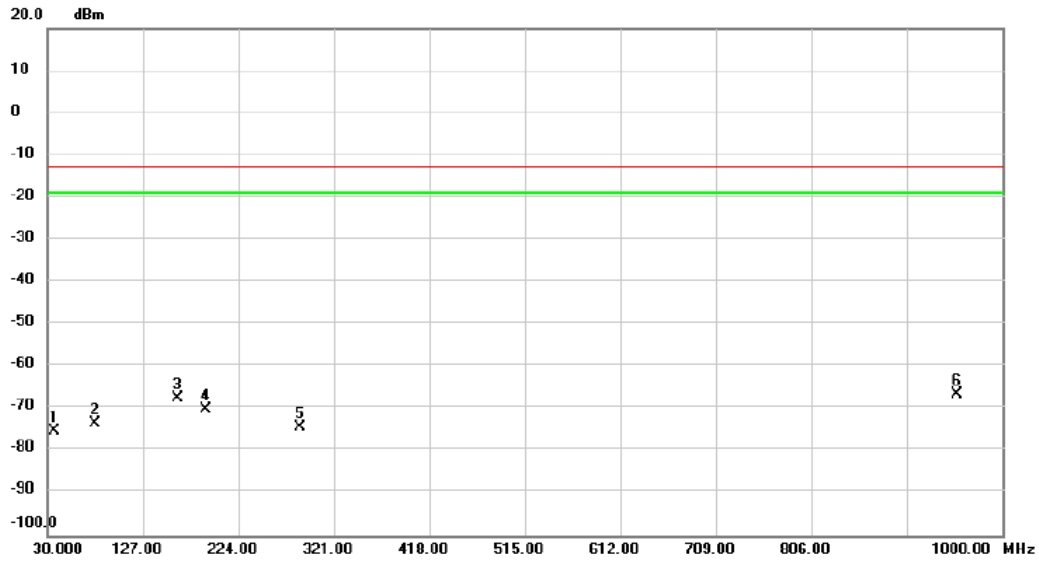
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		98.8700	-59.74	-15.34	-75.08	-13.00	-62.08	peak	
2		119.2400	-60.57	-13.24	-73.81	-13.00	-60.81	peak	
3		156.1000	-58.51	-11.62	-70.13	-13.00	-57.13	peak	
4	*	189.0800	-53.91	-14.48	-68.39	-13.00	-55.39	peak	
5		245.3400	-55.79	-14.00	-69.79	-13.00	-56.79	peak	
6		327.7900	-58.84	-11.22	-70.06	-13.00	-57.06	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Second Antenna

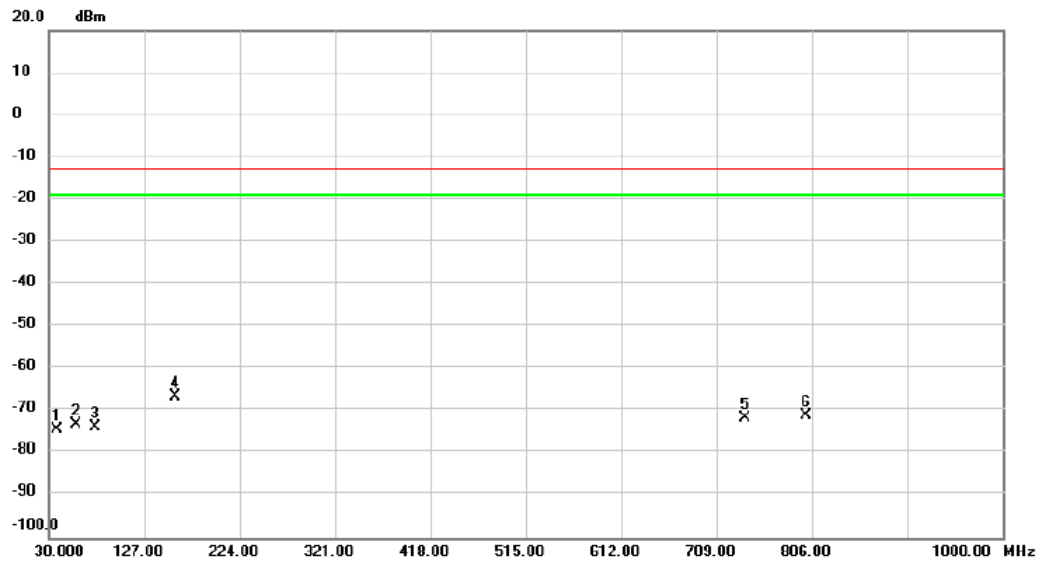
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		36.7900	-60.75	-14.41	-75.16	-13.00	-62.16	peak	
2		78.5000	-55.81	-17.75	-73.56	-13.00	-60.56	peak	
3		162.8900	-55.97	-11.53	-67.50	-13.00	-54.50	peak	
4		191.0200	-55.57	-14.67	-70.24	-13.00	-57.24	peak	
5		287.0500	-62.19	-12.30	-74.49	-13.00	-61.49	peak	
6	*	953.4400	-65.60	-0.82	-66.42	-13.00	-53.42	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Second Antenna

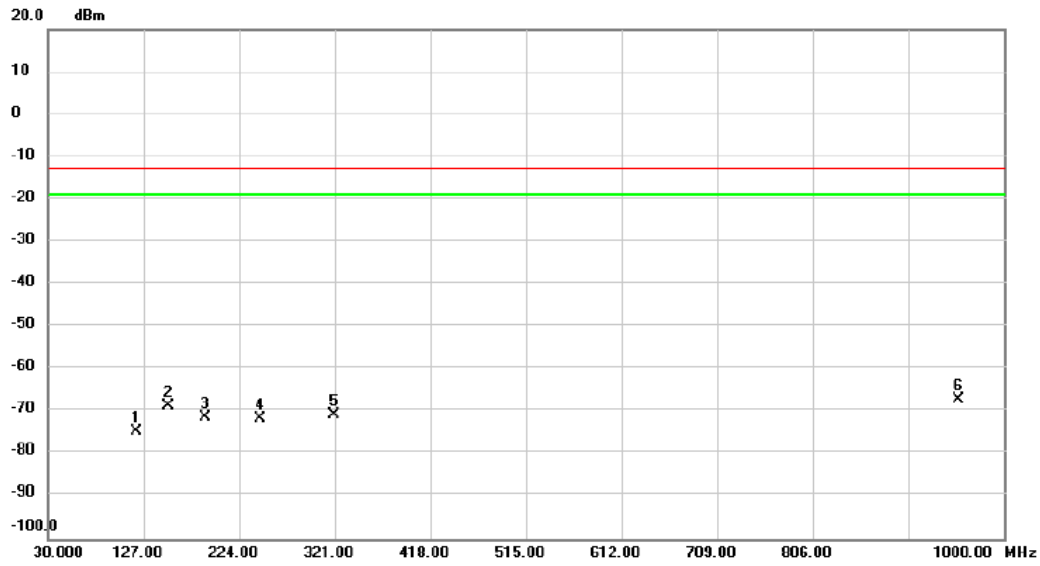
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		38.7300	-60.31	-14.11	-74.42	-13.00	-61.42	peak	
2		58.1300	-58.63	-14.56	-73.19	-13.00	-60.19	peak	
3		76.5600	-56.49	-17.40	-73.89	-13.00	-60.89	peak	
4	*	159.0100	-55.19	-11.25	-66.44	-13.00	-53.44	peak	
5		738.1000	-67.36	-4.20	-71.56	-13.00	-58.56	peak	
6		800.1800	-67.48	-3.46	-70.94	-13.00	-57.94	peak	

Test Mode LTE Band 5\_TX CH20525\_10M\_Second Antenna

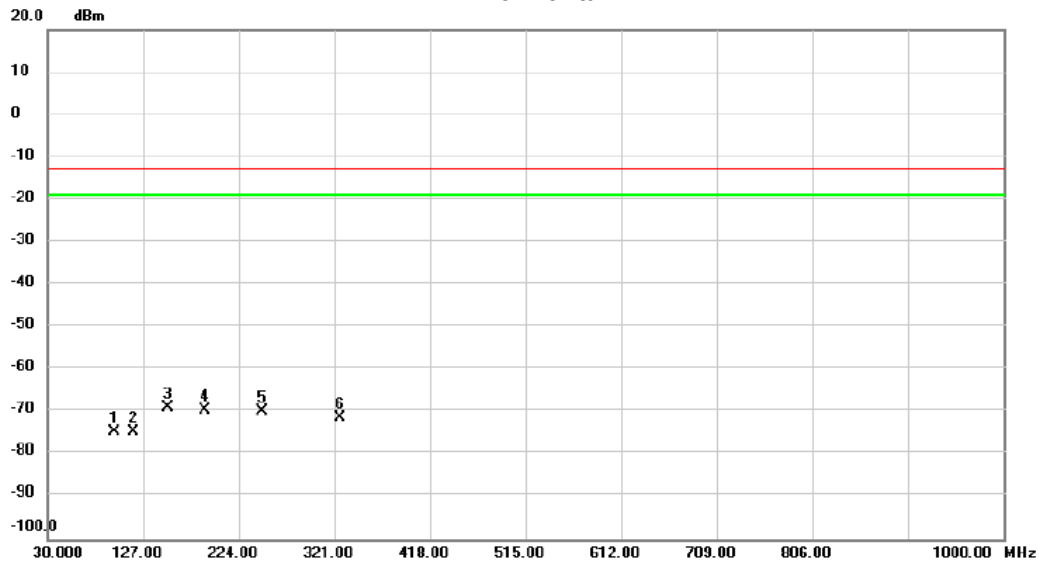
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		119.2400	-61.37	-13.24	-74.61	-13.00	-61.61	peak	
2		152.2200	-56.45	-12.11	-68.56	-13.00	-55.56	peak	
3		189.0800	-56.87	-14.48	-71.35	-13.00	-58.35	peak	
4		245.3400	-57.72	-14.00	-71.72	-13.00	-58.72	peak	
5		320.0300	-59.37	-11.33	-70.70	-13.00	-57.70	peak	
6	*	953.4400	-66.30	-0.82	-67.12	-13.00	-54.12	peak	

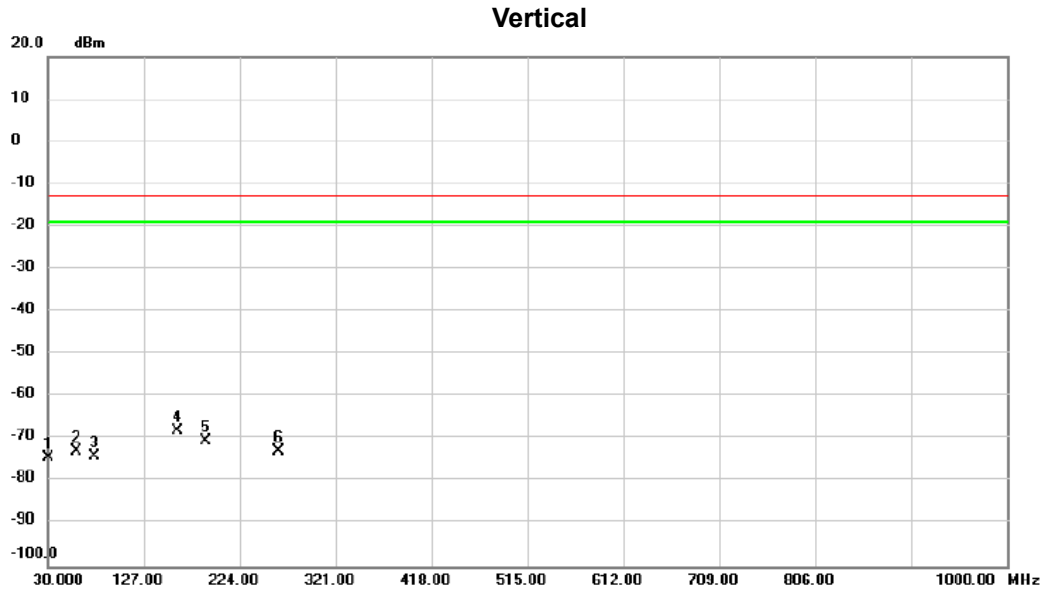
Test Mode LTE Band 5\_TX CH20525\_10M\_Second Antenna

### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		97.9000	-59.37	-15.41	-74.78	-13.00	-61.78	peak	
2		117.3000	-61.18	-13.52	-74.70	-13.00	-61.70	peak	
3	*	152.2200	-56.83	-12.11	-68.94	-13.00	-55.94	peak	
4		190.0500	-54.84	-14.60	-69.44	-13.00	-56.44	peak	
5		248.2500	-56.05	-13.93	-69.98	-13.00	-56.98	peak	
6		326.8200	-60.24	-11.22	-71.46	-13.00	-58.46	peak	

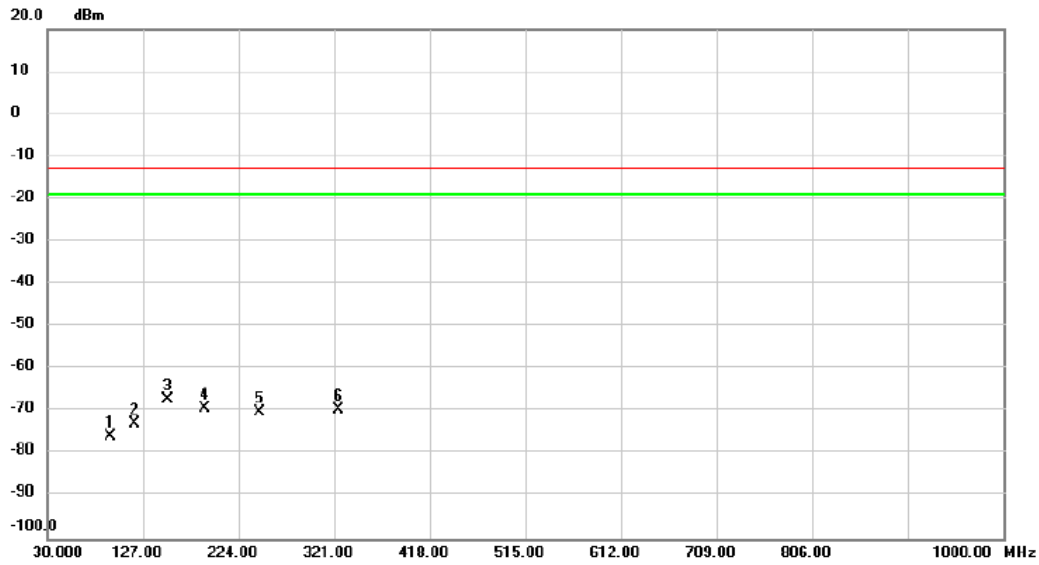
Test Mode      LTE Band 26\_TX CH26915\_1.4M\_Main Antenna



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		30.0000	-59.49	-14.75	-74.24	-13.00	-61.24	peak	
2		59.1000	-58.30	-14.66	-72.96	-13.00	-59.96	peak	
3		76.5600	-56.72	-17.40	-74.12	-13.00	-61.12	peak	
4	*	160.9500	-56.91	-11.25	-68.16	-13.00	-55.16	peak	
5		190.0500	-56.00	-14.60	-70.60	-13.00	-57.60	peak	
6		263.7700	-59.99	-12.97	-72.96	-13.00	-59.96	peak	

Test Mode LTE Band 26\_TX CH26915\_1.4M\_Main Antenna

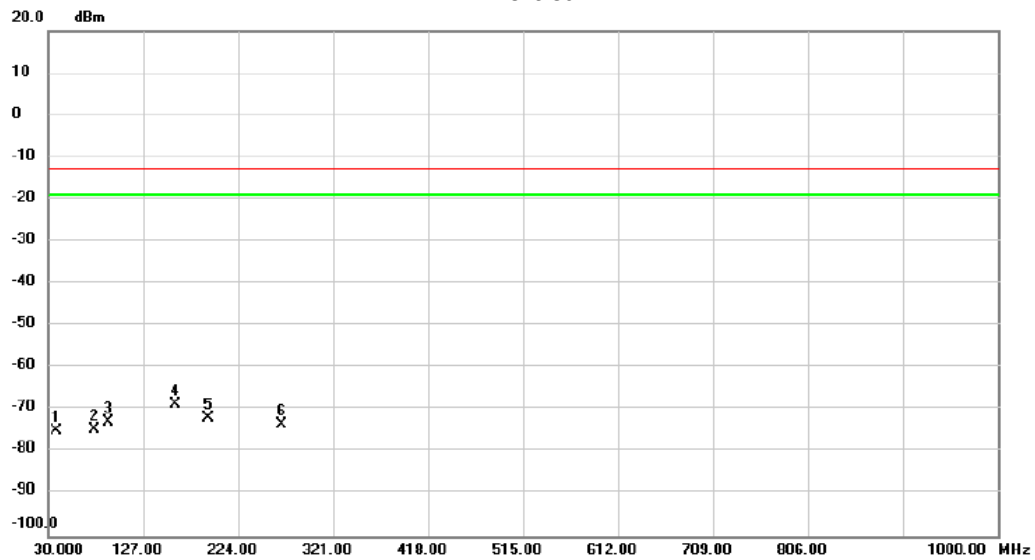
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		94.0200	-60.13	-15.68	-75.81	-13.00	-62.81	peak	
2		118.2700	-59.49	-13.37	-72.86	-13.00	-59.86	peak	
3	*	152.2200	-54.94	-12.11	-67.05	-13.00	-54.05	peak	
4		190.0500	-54.78	-14.60	-69.38	-13.00	-56.38	peak	
5		245.3400	-56.14	-14.00	-70.14	-13.00	-57.14	peak	
6		324.8800	-58.20	-11.25	-69.45	-13.00	-56.45	peak	

Test Mode LTE Band 26\_TX CH26915\_5M\_Main Antenna

### Vertical

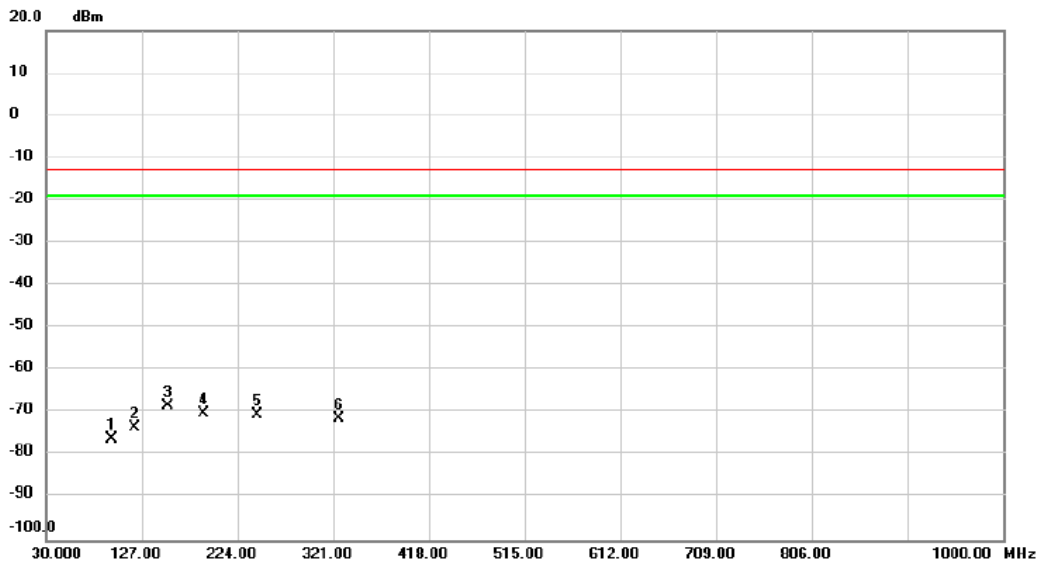


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		38.7300	-60.85	-14.11	-74.96	-13.00	-61.96	peak	
2		76.5600	-57.16	-17.40	-74.56	-13.00	-61.56	peak	
3		91.1100	-56.95	-15.93	-72.88	-13.00	-59.88	peak	
4	*	159.9800	-57.60	-11.13	-68.73	-13.00	-55.73	peak	
5		192.9600	-57.08	-14.82	-71.90	-13.00	-58.90	peak	
6		268.6200	-60.39	-13.18	-73.57	-13.00	-60.57	peak	



Test Mode      LTE Band 26\_TX CH26915\_5M\_Main Antenna

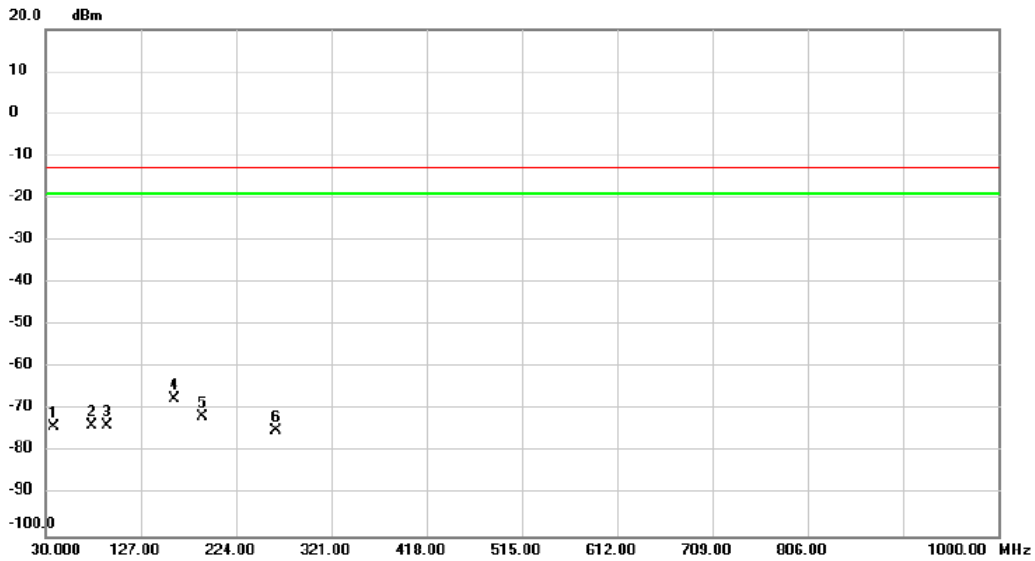
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-60.55	-15.47	-76.02	-13.00	-63.02	peak	
2		119.2400	-60.12	-13.24	-73.36	-13.00	-60.36	peak	
3	*	153.1900	-56.27	-12.00	-68.27	-13.00	-55.27	peak	
4		190.0500	-55.42	-14.60	-70.02	-13.00	-57.02	peak	
5		244.3700	-56.41	-14.03	-70.44	-13.00	-57.44	peak	
6		326.8200	-60.19	-11.22	-71.41	-13.00	-58.41	peak	

Test Mode LTE Band 26\_TX CH26915\_15M\_Main Antenna

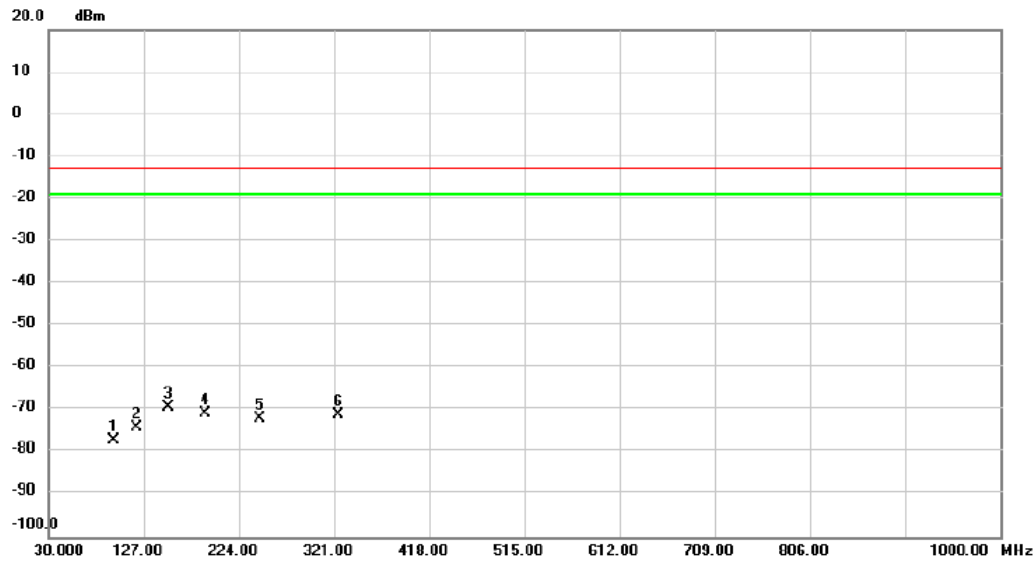
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		37.7600	-59.69	-14.40	-74.09	-13.00	-61.09	peak	
2		77.5300	-56.20	-17.58	-73.78	-13.00	-60.78	peak	
3		92.0800	-57.87	-15.84	-73.71	-13.00	-60.71	peak	
4	*	160.9500	-56.16	-11.25	-67.41	-13.00	-54.41	peak	
5		190.0500	-57.07	-14.60	-71.67	-13.00	-58.67	peak	
6		264.7400	-62.04	-13.02	-75.06	-13.00	-62.06	peak	

Test Mode LTE Band 26\_TX CH26915\_15M\_Main Antenna

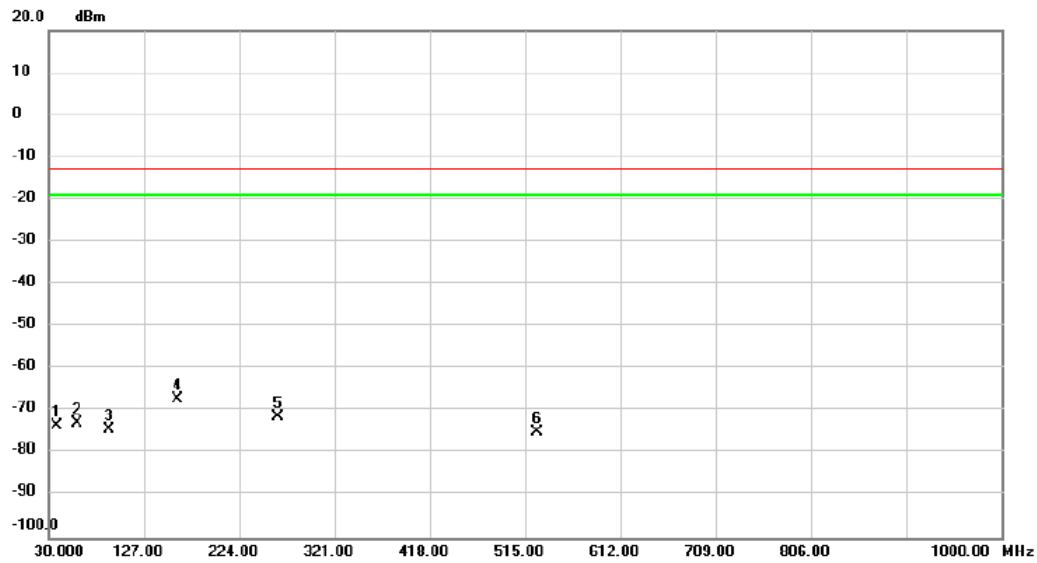
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-61.54	-15.47	-77.01	-13.00	-64.01	peak	
2		120.2100	-60.98	-13.12	-74.10	-13.00	-61.10	peak	
3	*	152.2200	-57.01	-12.11	-69.12	-13.00	-56.12	peak	
4		190.0500	-56.15	-14.60	-70.75	-13.00	-57.75	peak	
5		245.3400	-58.10	-14.00	-72.10	-13.00	-59.10	peak	
6		324.8800	-59.69	-11.25	-70.94	-13.00	-57.94	peak	

Test Mode      LTE Band 26\_TX CH26915\_1.4M\_Second Antenna

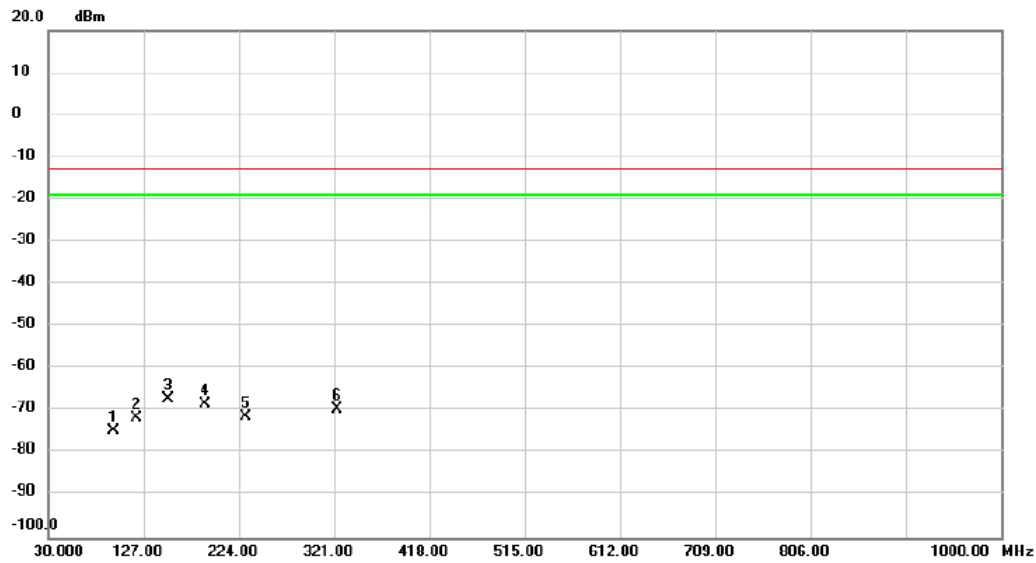
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		38.7300	-59.22	-14.11	-73.33	-13.00	-60.33	peak	
2		59.1000	-58.30	-14.66	-72.96	-13.00	-59.96	peak	
3		91.1100	-58.45	-15.93	-74.38	-13.00	-61.38	peak	
4	*	160.9500	-55.91	-11.25	-67.16	-13.00	-54.16	peak	
5		263.7700	-58.49	-12.97	-71.46	-13.00	-58.46	peak	
6		526.6400	-67.16	-7.80	-74.96	-13.00	-61.96	peak	

Test Mode      LTE Band 26\_TX CH26915\_1.4M\_Second Antenna

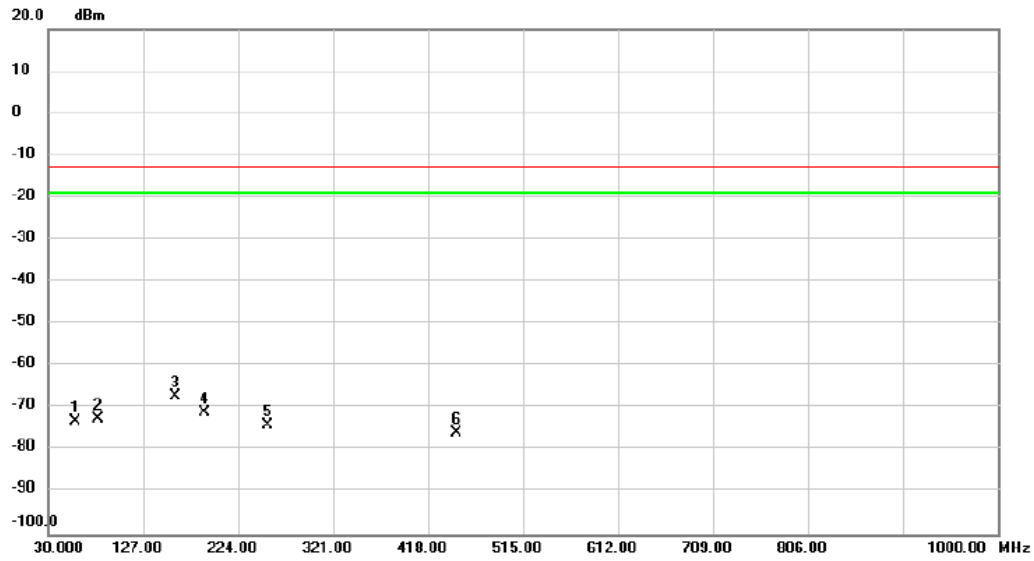
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		95.9600	-59.24	-15.54	-74.78	-13.00	-61.78	peak	
2		119.2400	-58.45	-13.24	-71.69	-13.00	-58.69	peak	
3	*	152.2200	-54.94	-12.11	-67.05	-13.00	-54.05	peak	
4		190.0500	-53.78	-14.60	-68.38	-13.00	-55.38	peak	
5		230.7900	-56.94	-14.39	-71.33	-13.00	-58.33	peak	
6		323.9100	-58.25	-11.27	-69.52	-13.00	-56.52	peak	

Test Mode LTE Band 26\_TX CH26915\_5M\_Second Antenna

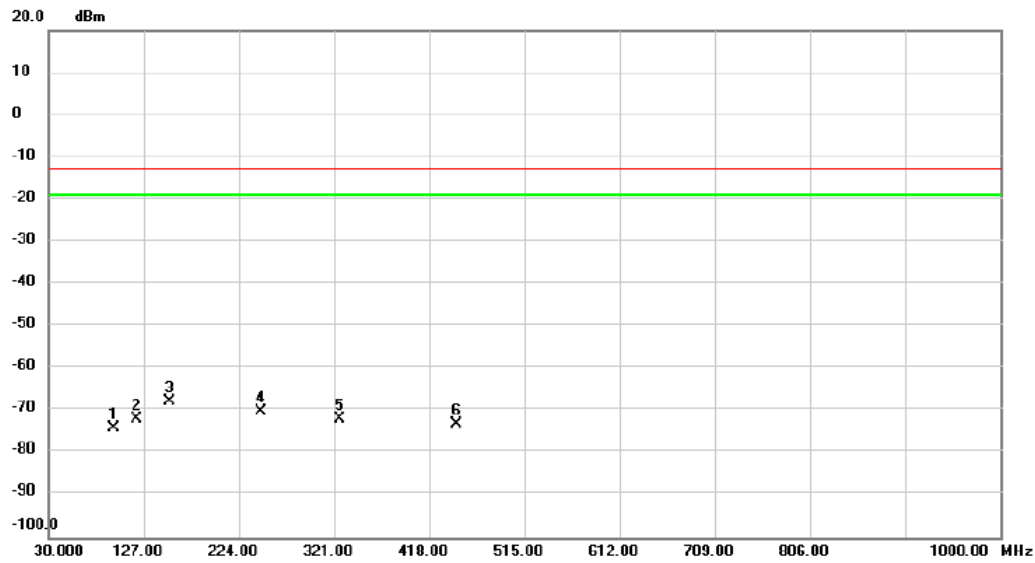
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		57.1600	-58.92	-14.31	-73.23	-13.00	-60.23	peak	
2		80.4400	-54.52	-17.92	-72.44	-13.00	-59.44	peak	
3	*	159.9800	-56.10	-11.13	-67.23	-13.00	-54.23	peak	
4		190.0500	-56.34	-14.60	-70.94	-13.00	-57.94	peak	
5		254.0700	-60.56	-13.44	-74.00	-13.00	-61.00	peak	
6		447.1000	-67.41	-8.45	-75.86	-13.00	-62.86	peak	

Test Mode      LTE Band 26\_TX CH26915\_5M\_Second Antenna

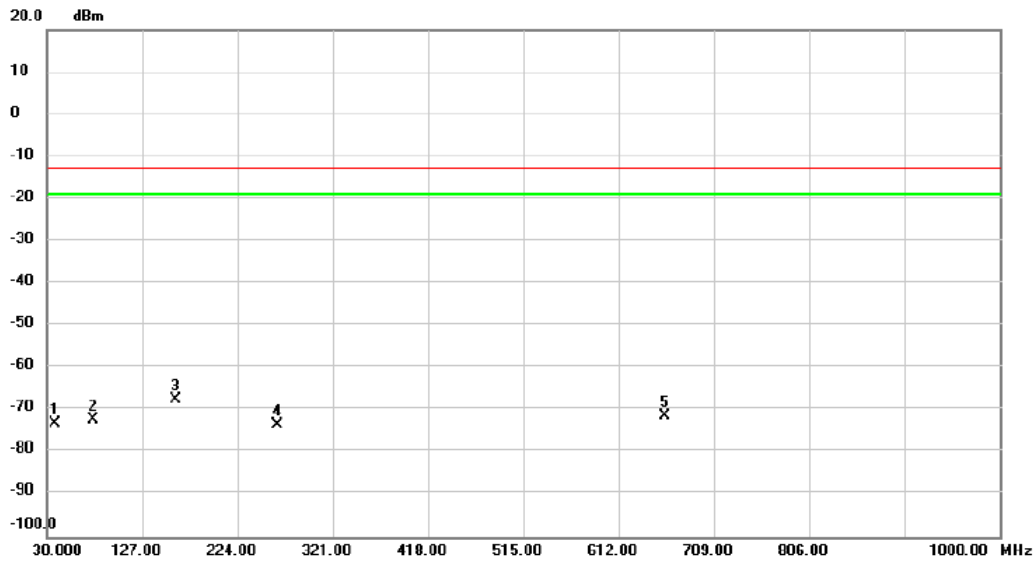
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-58.55	-15.47	-74.02	-13.00	-61.02	peak	
2		119.2400	-58.62	-13.24	-71.86	-13.00	-58.86	peak	
3	*	153.1900	-55.77	-12.00	-67.77	-13.00	-54.77	peak	
4		246.3100	-56.15	-13.97	-70.12	-13.00	-57.12	peak	
5		326.8200	-60.69	-11.22	-71.91	-13.00	-58.91	peak	
6		445.1600	-64.77	-8.51	-73.28	-13.00	-60.28	peak	

Test Mode LTE Band 26\_TX CH26915\_15M\_Second Antenna

### Vertical

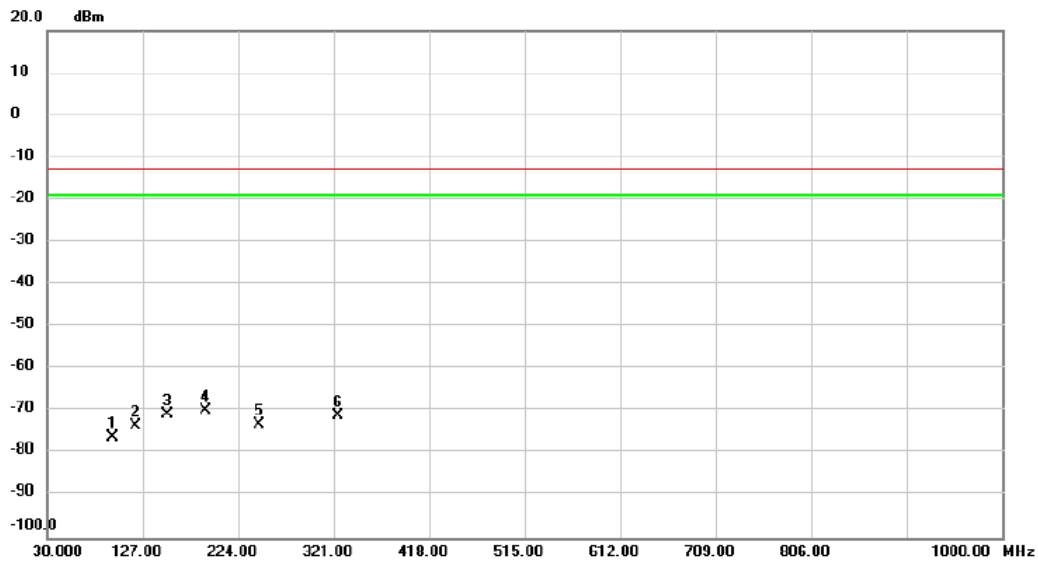


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		37.7600	-58.69	-14.40	-73.09	-13.00	-60.09	peak	
2		77.5300	-54.70	-17.58	-72.28	-13.00	-59.28	peak	
3	*	160.9500	-56.16	-11.25	-67.41	-13.00	-54.41	peak	
4		264.7400	-60.54	-13.02	-73.56	-13.00	-60.56	peak	
5		658.5600	-66.40	-5.00	-71.40	-13.00	-58.40	peak	



Test Mode      LTE Band 26\_TX CH26915\_15M\_Second Antenna

### Horizontal

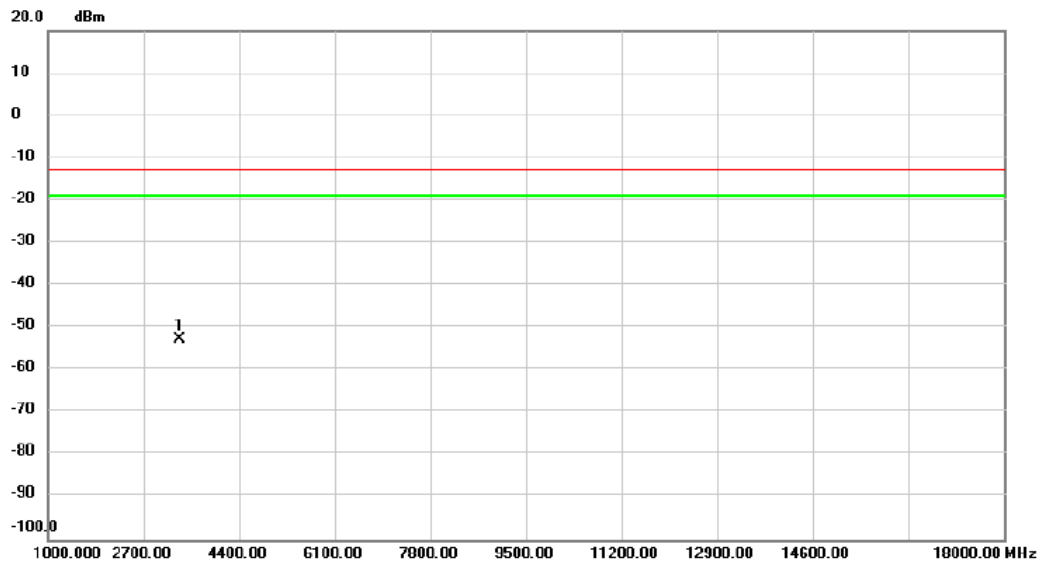


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		96.9300	-60.54	-15.47	-76.01	-13.00	-63.01	peak	
2		120.2100	-60.48	-13.12	-73.60	-13.00	-60.60	peak	
3		152.2200	-58.51	-12.11	-70.62	-13.00	-57.62	peak	
4	*	191.0200	-55.05	-14.67	-69.72	-13.00	-56.72	peak	
5		245.3400	-59.10	-14.00	-73.10	-13.00	-60.10	peak	
6		324.8800	-59.69	-11.25	-70.94	-13.00	-57.94	peak	

## **APPENDIX F - RADIATED SPURIOUS EMISSIONS (ABOVE 1000MHZ)**

Test Mode GSM850\_TX CH190\_GSM\_Main Antenna

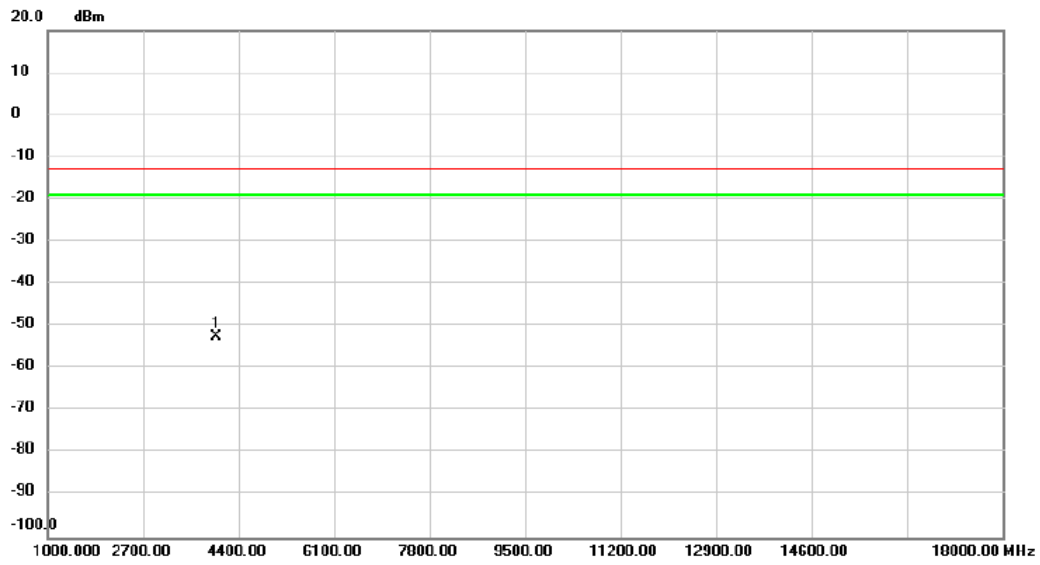
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	3346.000	-65.22	12.54	-52.68	-13.00	-39.68	peak	

Test Mode GSM850\_TX CH190\_GSM\_Main Antenna

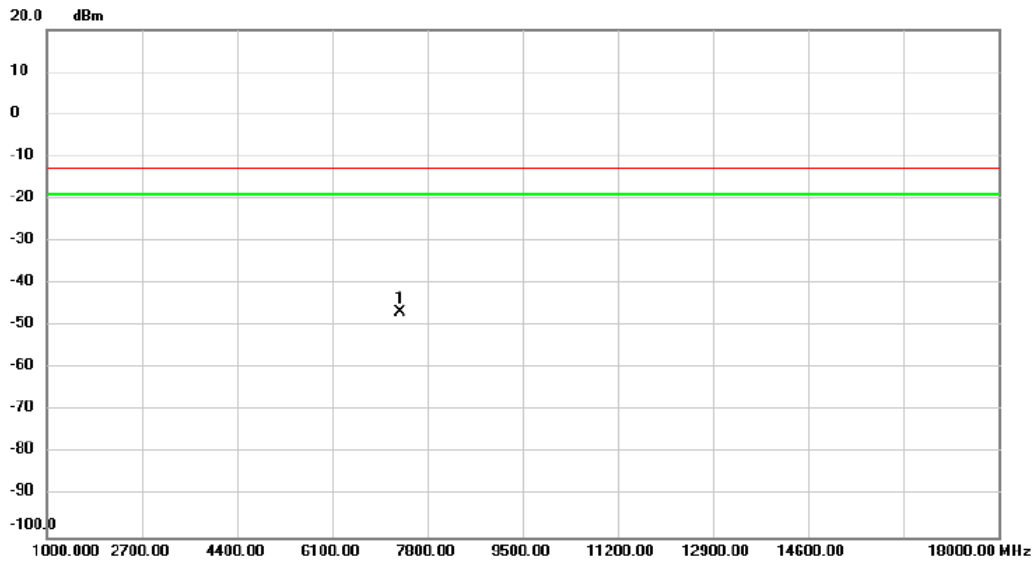
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	4009.000	-66.81	14.33	-52.48	-13.00	-39.48	peak	

Test Mode	GSM850_ TX CH190_ GSM_ Second Antenna
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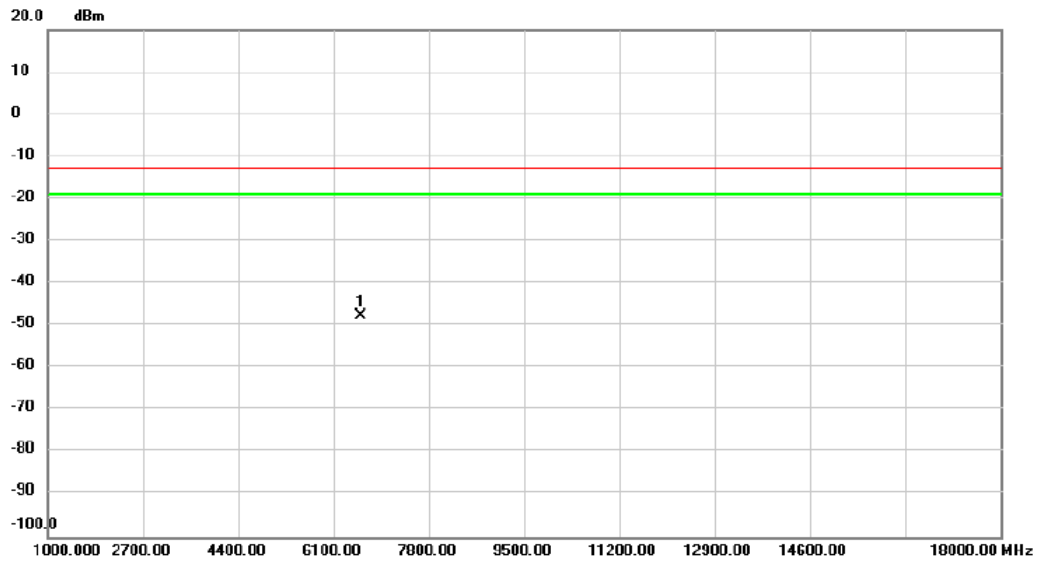
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	7307.000	-67.73	21.05	-46.68	-13.00	-33.68	peak	

Test Mode GSM850\_TX CH190\_GSM\_Second Antenna

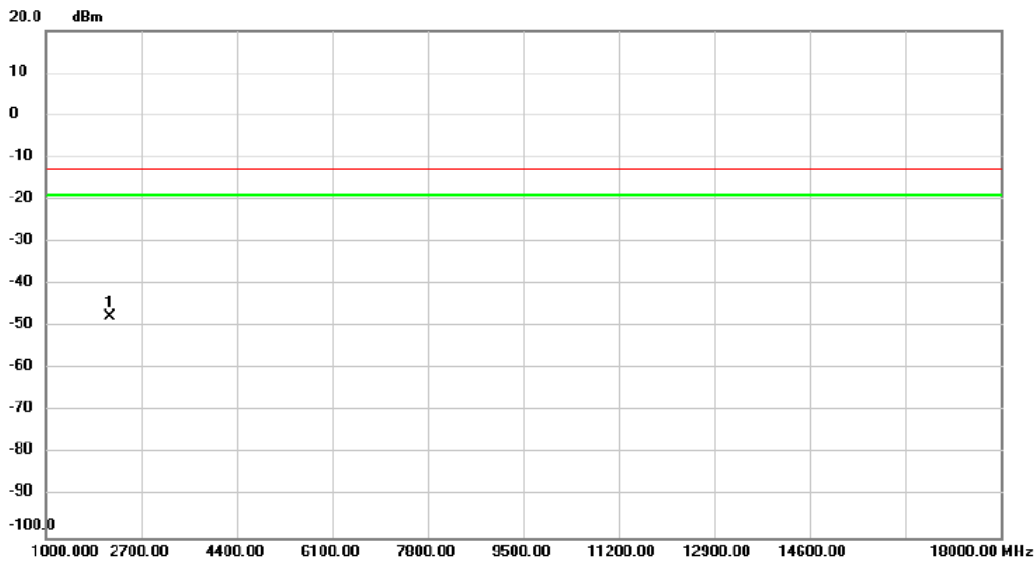
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	6593.000	-67.27	19.72	-47.55	-13.00	-34.55	peak	

Test Mode	WCDMA Band V_TX CH4182_Main Antenna
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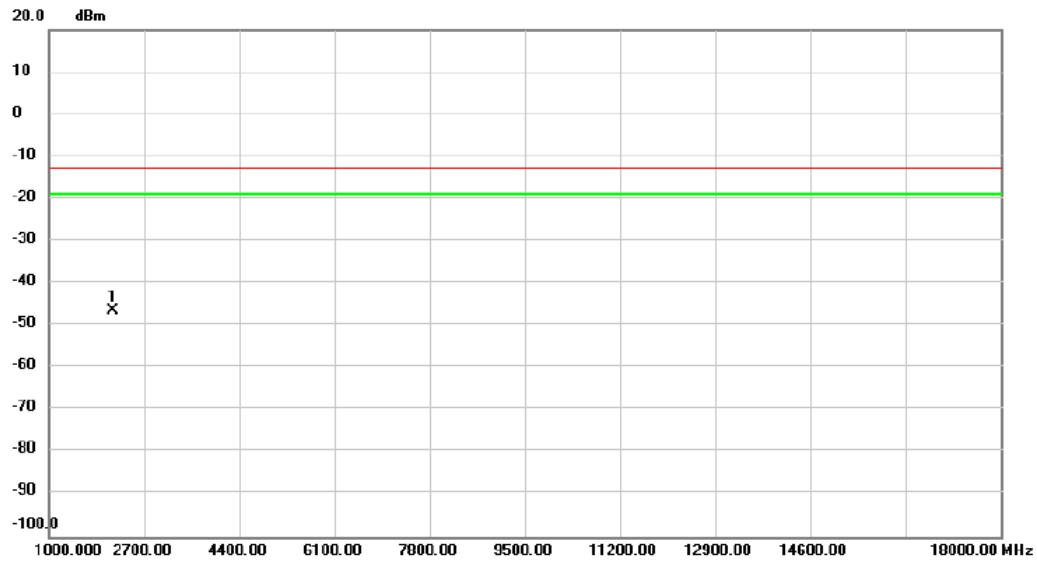
**Vertical**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2139.000	-44.88	-2.84	-47.72	-13.00	-34.72	peak	

Test Mode WCDMA Band V\_TX CH4182\_Main Antenna

### Horizontal

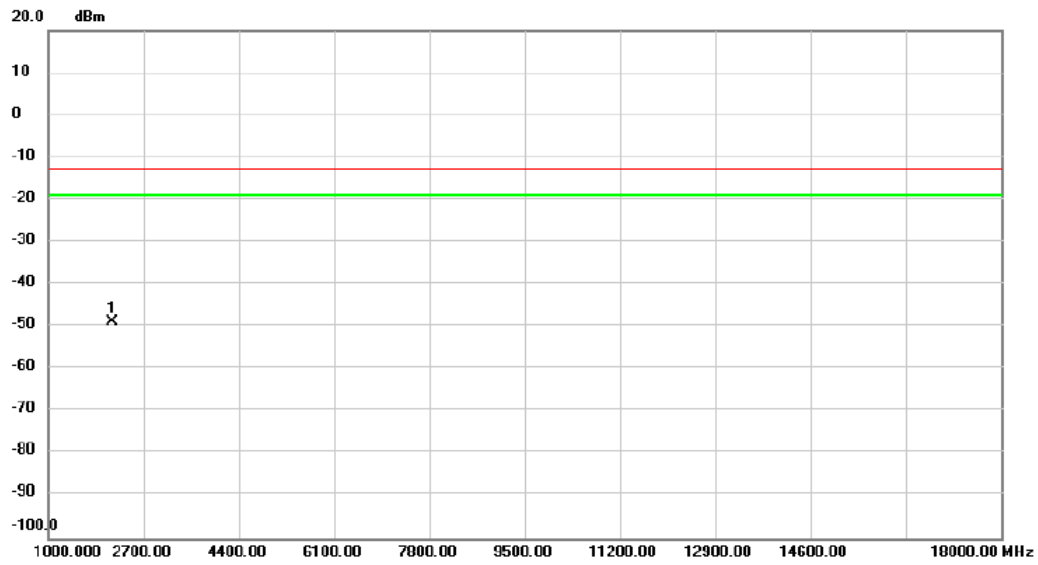


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-43.57	-2.84	-46.41	-13.00	-33.41	peak	



Test Mode	WCDMA Band V_TX CH4182_Second Antenna
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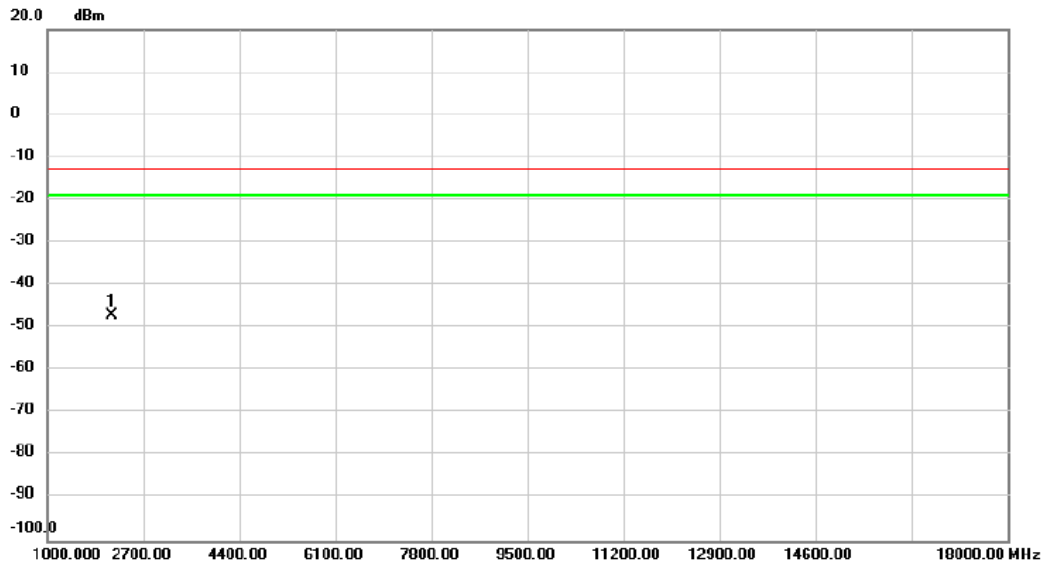
### Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2139.000	-45.88	-2.84	-48.72	-13.00	-35.72	peak	

Test Mode	WCDMA Band V_TX CH4182_Second Antenna
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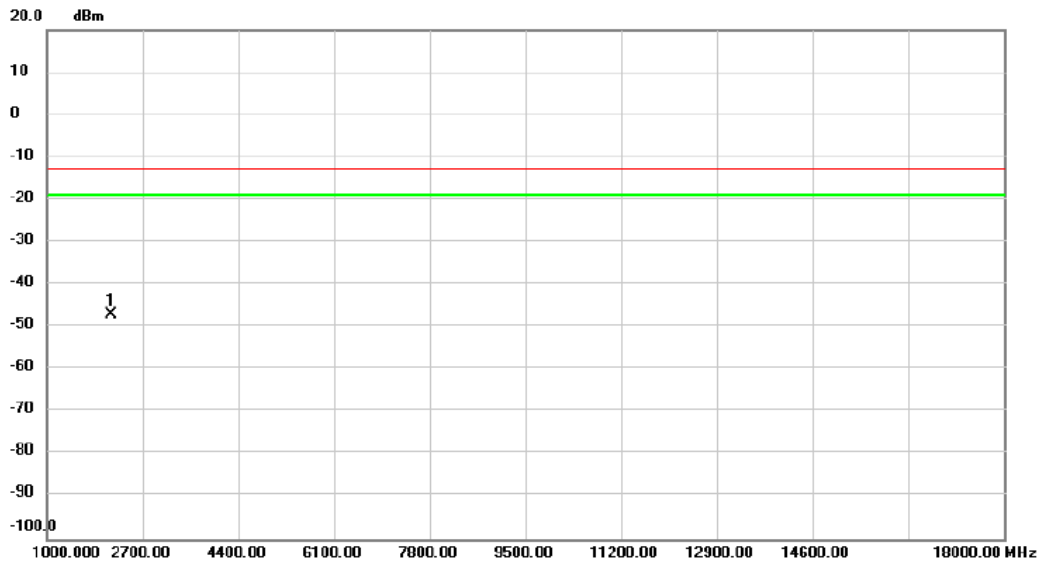
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2139.000	-44.07	-2.84	-46.91	-13.00	-33.91	peak	

Test Mode      LTE Band 5\_TX CH20525\_1.4M\_Main Antenna

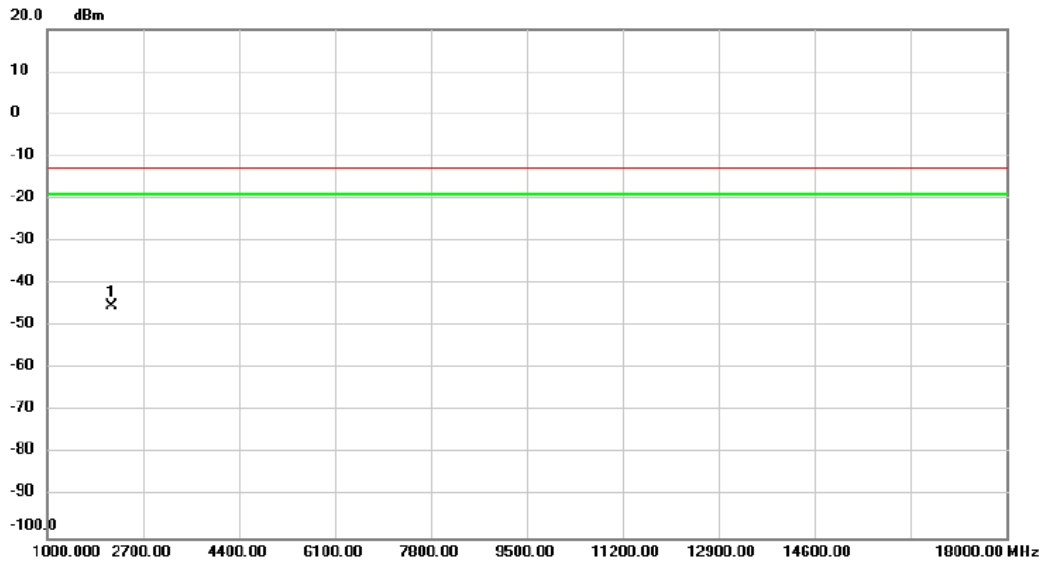
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-44.12	-2.84	-46.96	-13.00	-33.96	peak	

Test Mode LTE Band 5\_TX CH20525\_1.4M\_Main Antenna

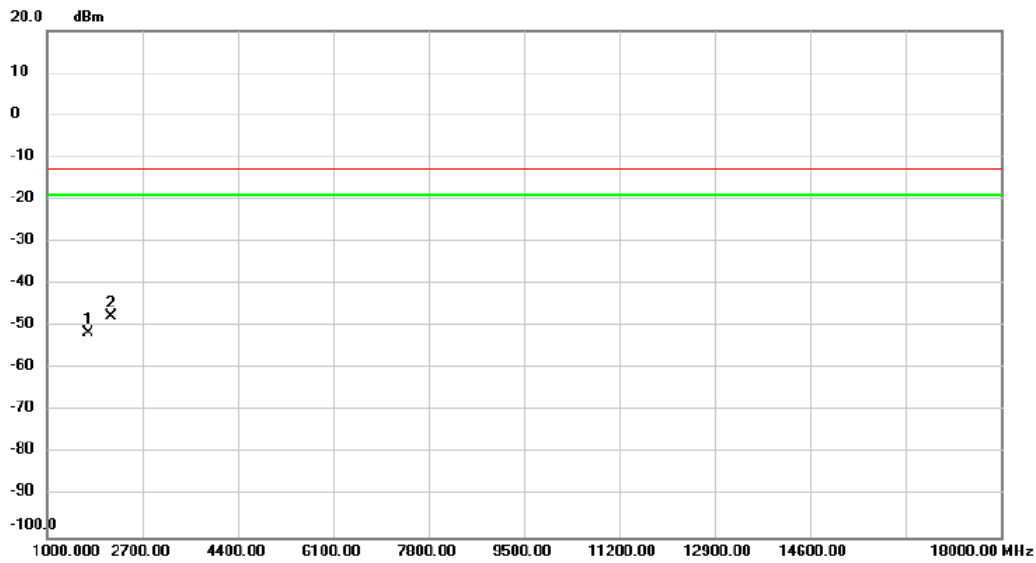
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	2139.000	-42.28	-2.84	-45.12	-13.00	-32.12	peak	

Test Mode | LTE Band 5\_TX CH20525\_5M\_Main Antenna

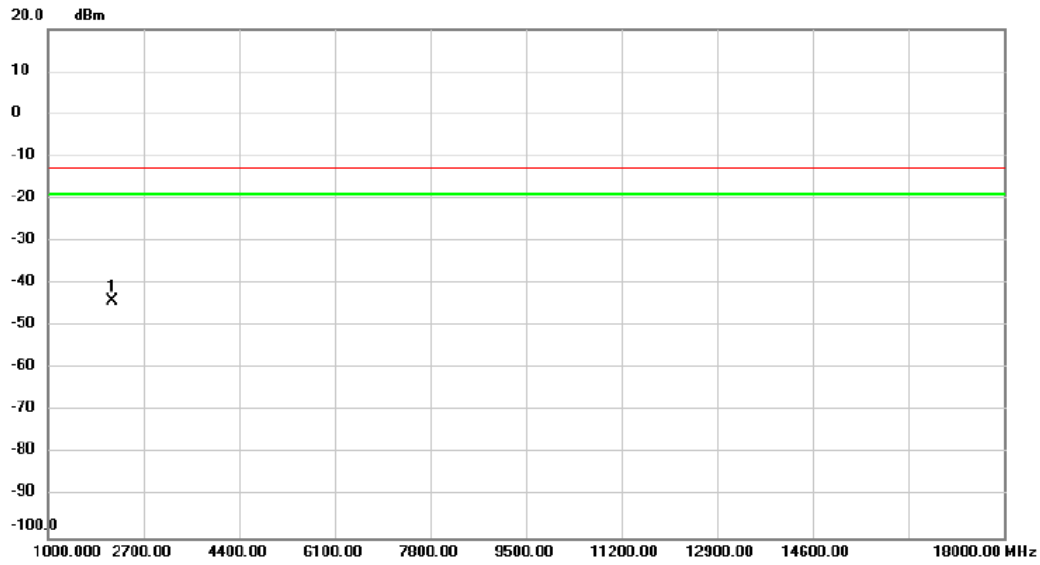
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1731.000	-47.30	-4.38	-51.68	-13.00	-38.68	peak	
2	*	2139.000	-44.82	-2.84	-47.66	-13.00	-34.66	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Main Antenna

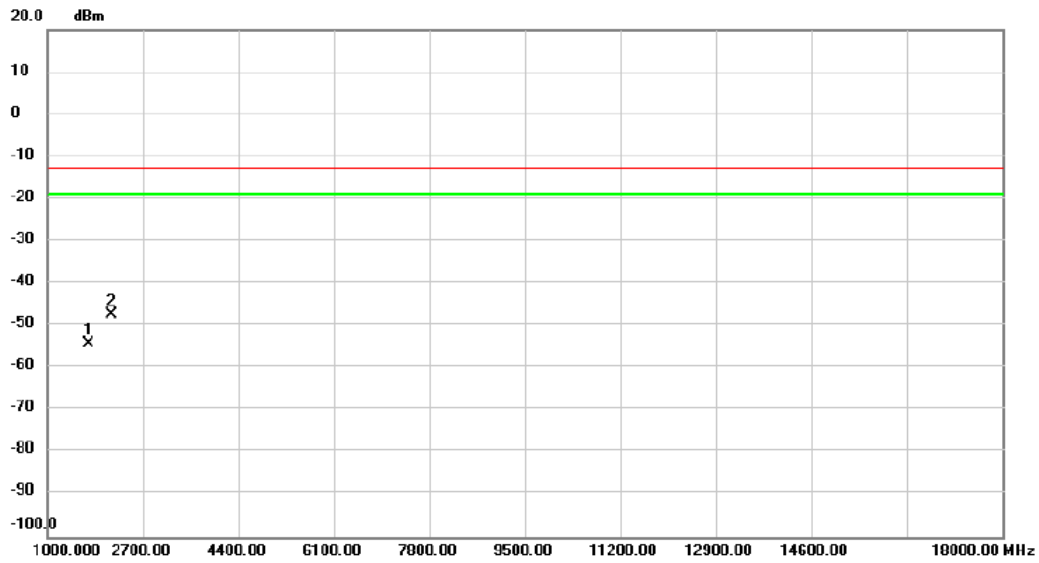
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-41.22	-2.84	-44.06	-13.00	-31.06	peak	

Test Mode LTE Band 5\_TX CH20525\_10M\_Main Antenna

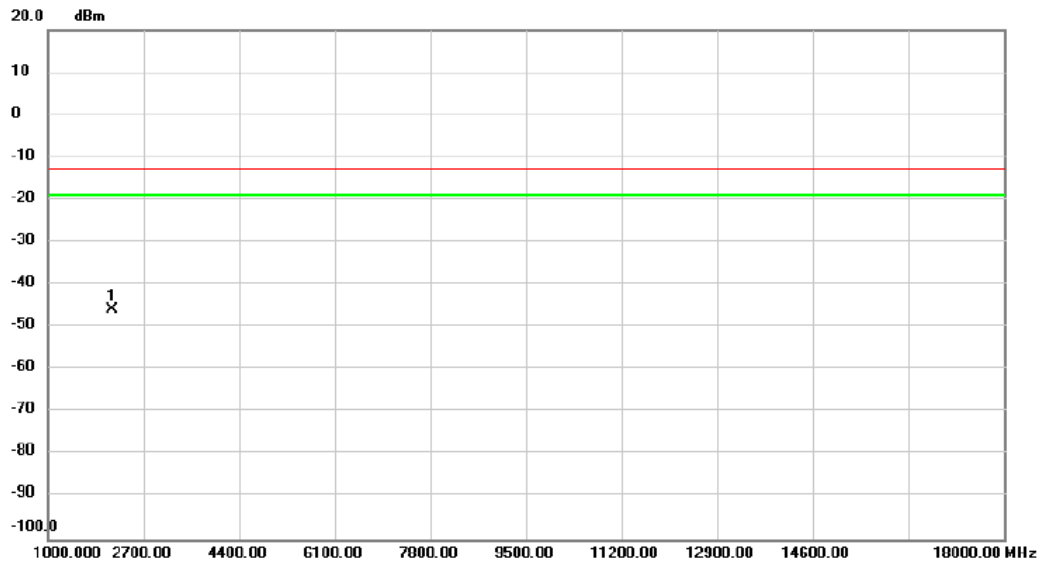
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1731.000	-49.92	-4.38	-54.30	-13.00	-41.30	peak	
2	*	2139.000	-44.37	-2.84	-47.21	-13.00	-34.21	peak	

Test Mode      LTE Band 5\_TX CH20525\_10M\_Main Antenna

### Horizontal

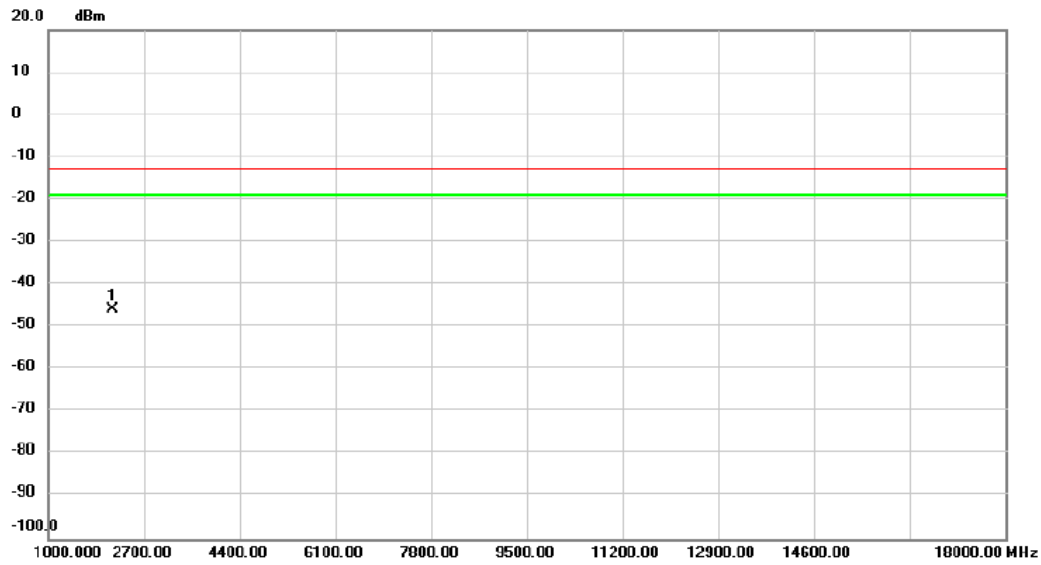


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-42.93	-2.84	-45.77	-13.00	-32.77	peak	



Test Mode      LTE Band 5\_TX CH20525\_1.4M\_Second Antenna

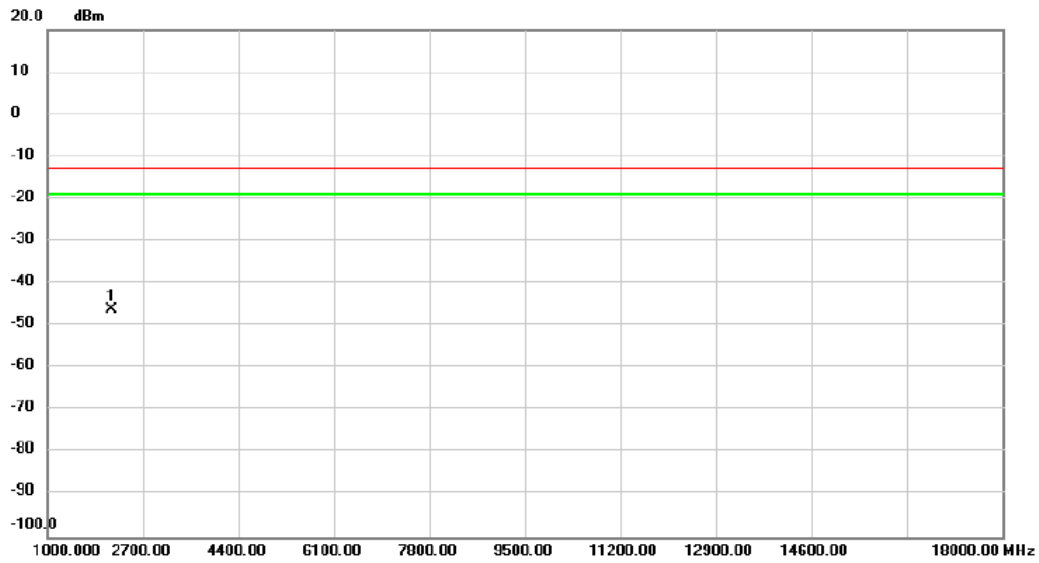
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-43.12	-2.84	-45.96	-13.00	-32.96	peak	

Test Mode LTE Band 5\_TX CH20525\_1.4M\_Second Antenna

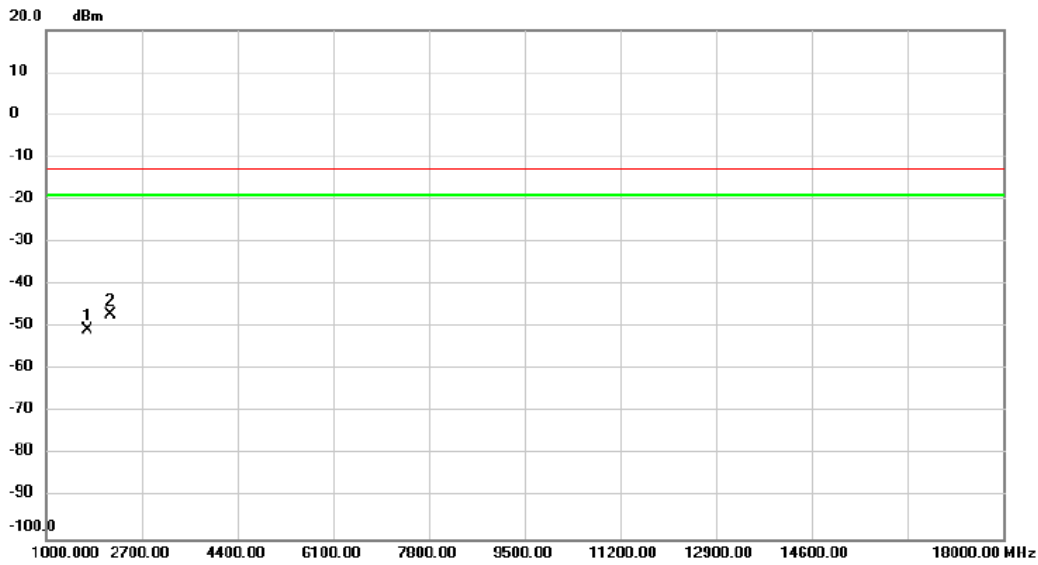
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-43.28	-2.84	-46.12	-13.00	-33.12	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Second Antenna

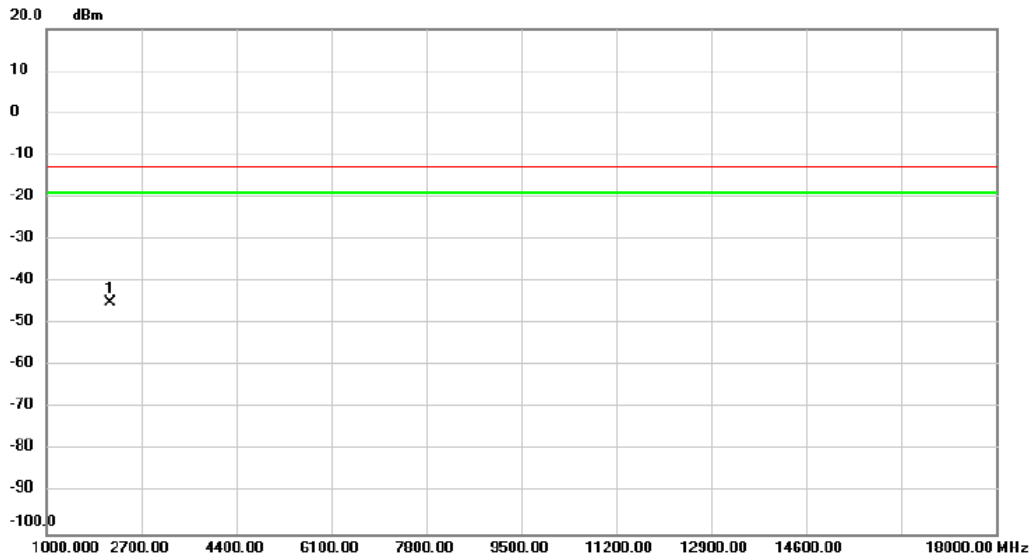
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1731.000	-46.30	-4.38	-50.68	-13.00	-37.68	peak	
2	*	2139.000	-44.32	-2.84	-47.16	-13.00	-34.16	peak	

Test Mode LTE Band 5\_TX CH20525\_5M\_Second Antenna

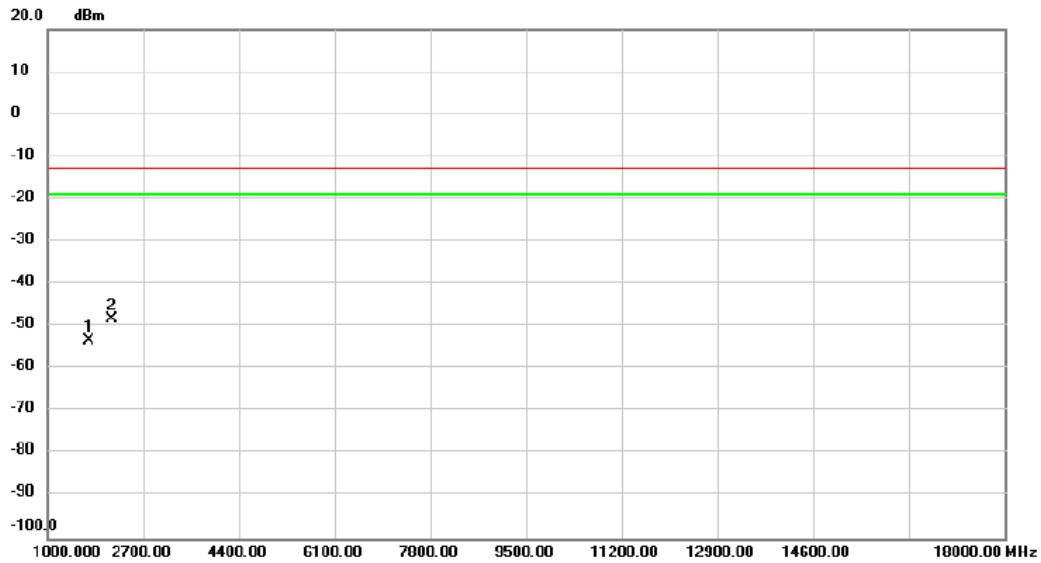
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-42.22	-2.84	-45.06	-13.00	-32.06	peak	

Test Mode LTE Band 5\_TX CH20525\_10M\_Second Antenna

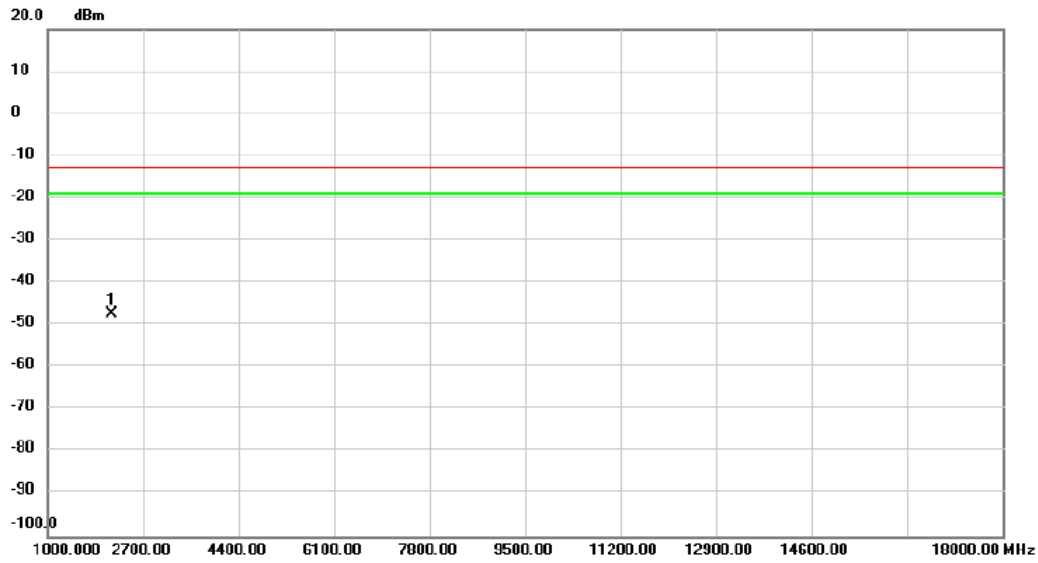
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1		1731.000	-48.92	-4.38	-53.30	-13.00	-40.30	peak	
2	*	2139.000	-45.37	-2.84	-48.21	-13.00	-35.21	peak	

Test Mode LTE Band 5\_TX CH20525\_10M\_Second Antenna

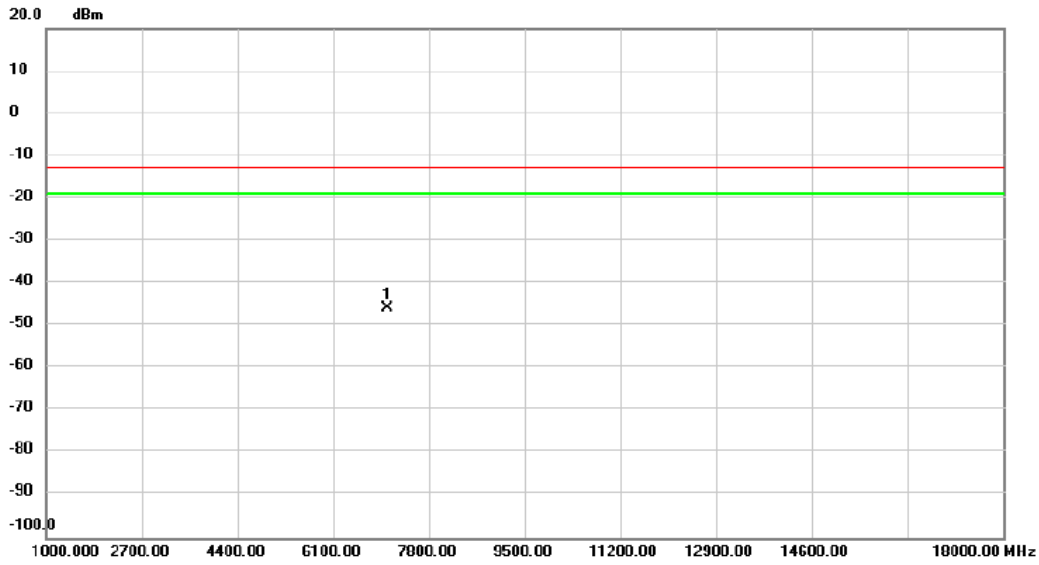
### Horizontal



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	2139.000	-44.43	-2.84	-47.27	-13.00	-34.27	peak	

Test Mode      LTE Band 26\_TX CH26915\_1.4M\_Main Antenna

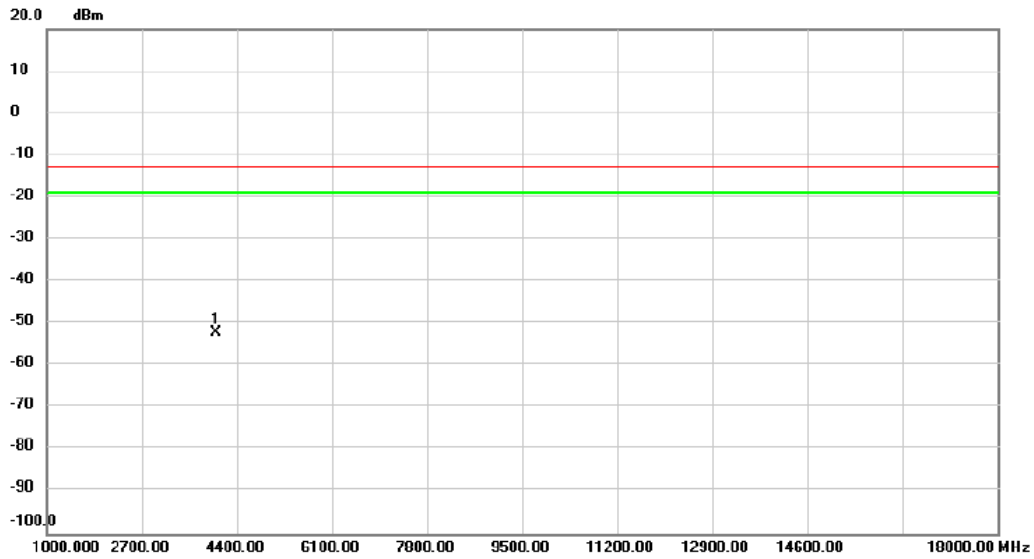
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	7052.000	-54.85	8.95	-45.90	-13.00	-32.90	peak	

Test Mode LTE Band 26\_TX CH26915\_1.4M\_Main Antenna

### Horizontal

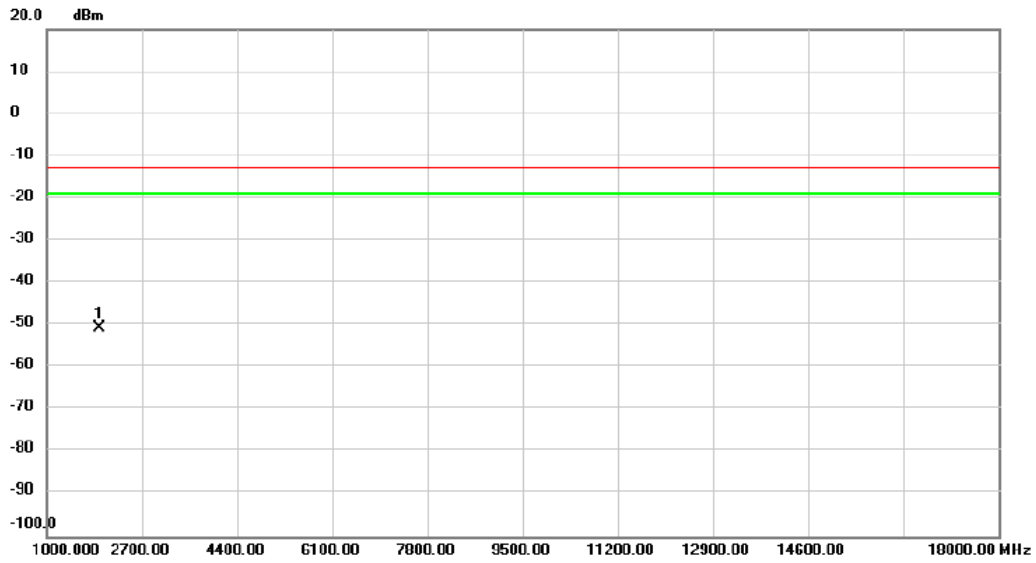


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	4026.000	-54.80	2.59	-52.21	-13.00	-39.21	peak	



Test Mode LTE Band 26\_TX CH26915\_5M\_Main Antenna

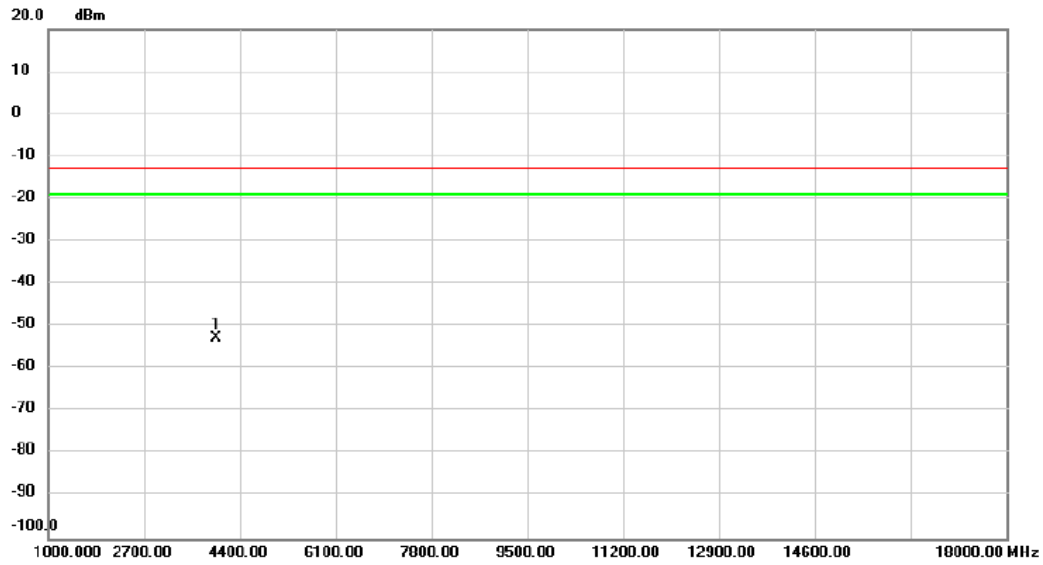
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1935.000	-47.62	-3.10	-50.72	-13.00	-37.72	peak	

Test Mode      LTE Band 26\_TX CH26915\_5M\_Main Antenna

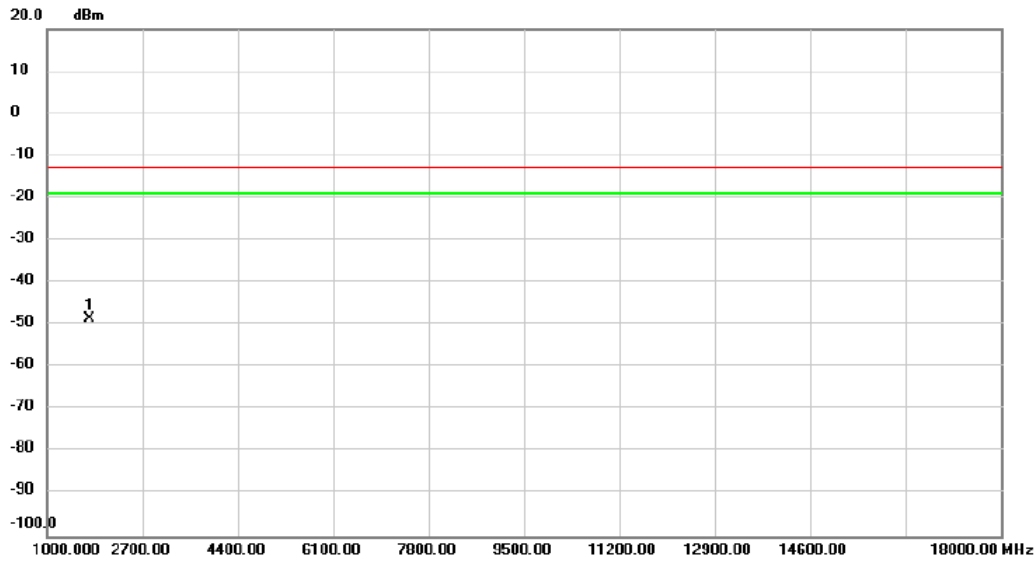
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	3975.000	-55.26	2.54	-52.72	-13.00	-39.72	peak	

Test Mode LTE Band 26\_TX CH26915\_15M\_Main Antenna

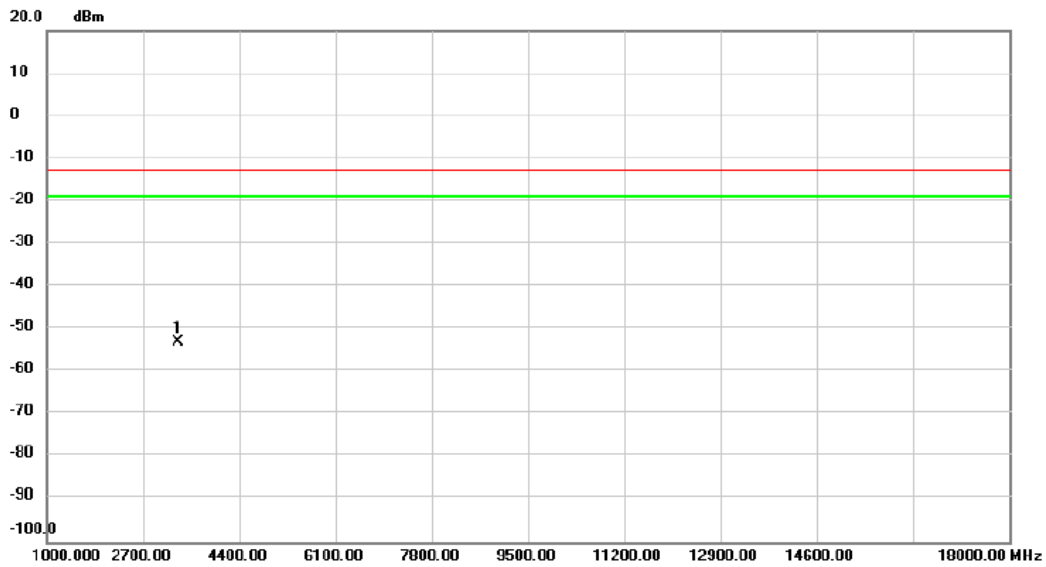
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1765.000	-44.44	-4.17	-48.61	-13.00	-35.61	peak	

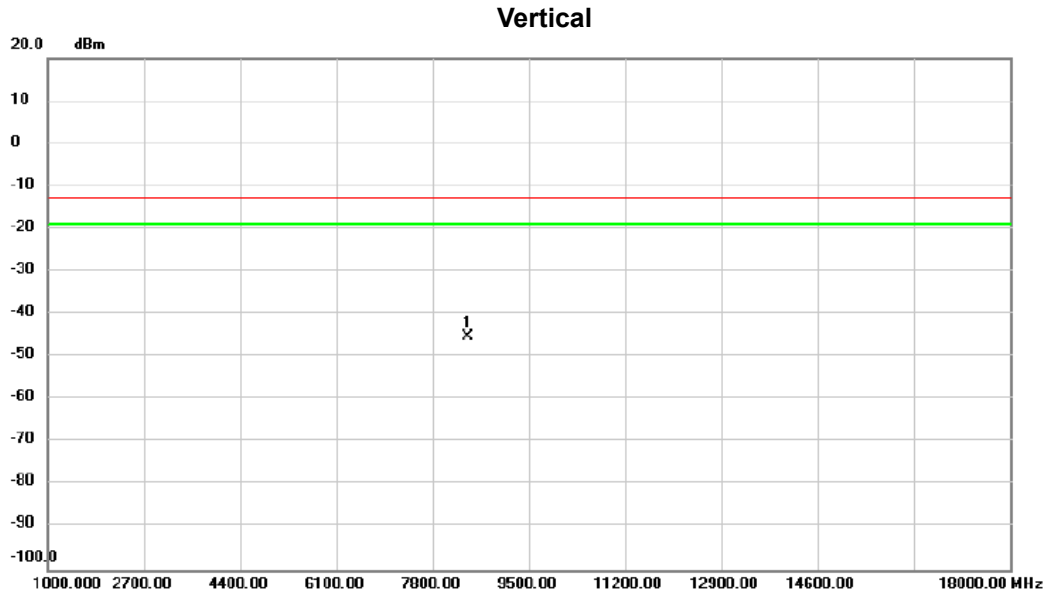
Test Mode LTE Band 26\_TX CH26915\_15M\_Main Antenna

### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	3329.000	-53.66	0.73	-52.93	-13.00	-39.93	peak	

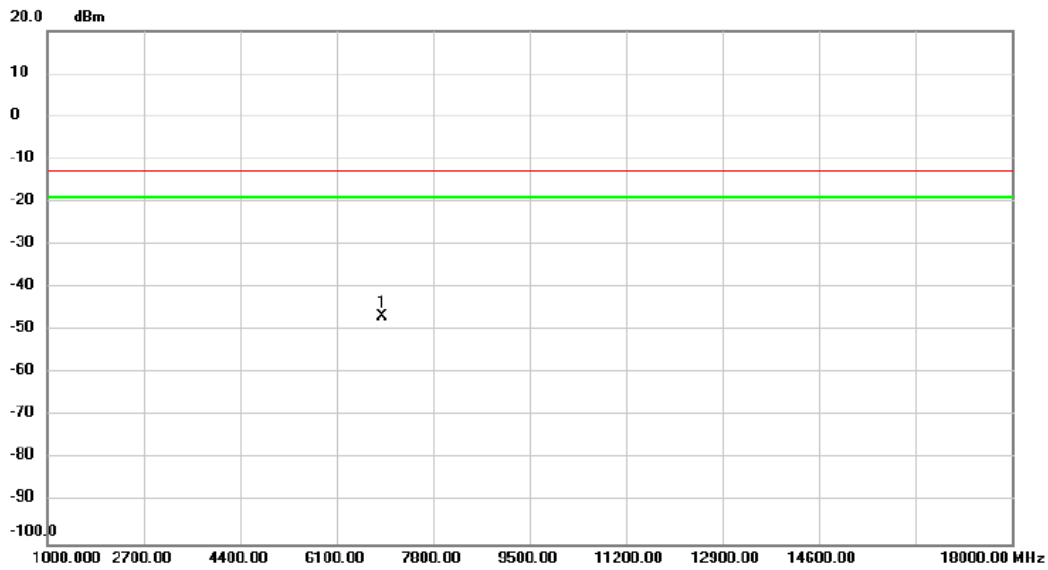
Test Mode LTE Band 26\_TX CH26915\_1.4M\_Second Antenna



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	8412.000	-55.33	10.02	-45.31	-13.00	-32.31	peak	

Test Mode      LTE Band 26\_TX CH26915\_1.4M\_Second Antenna

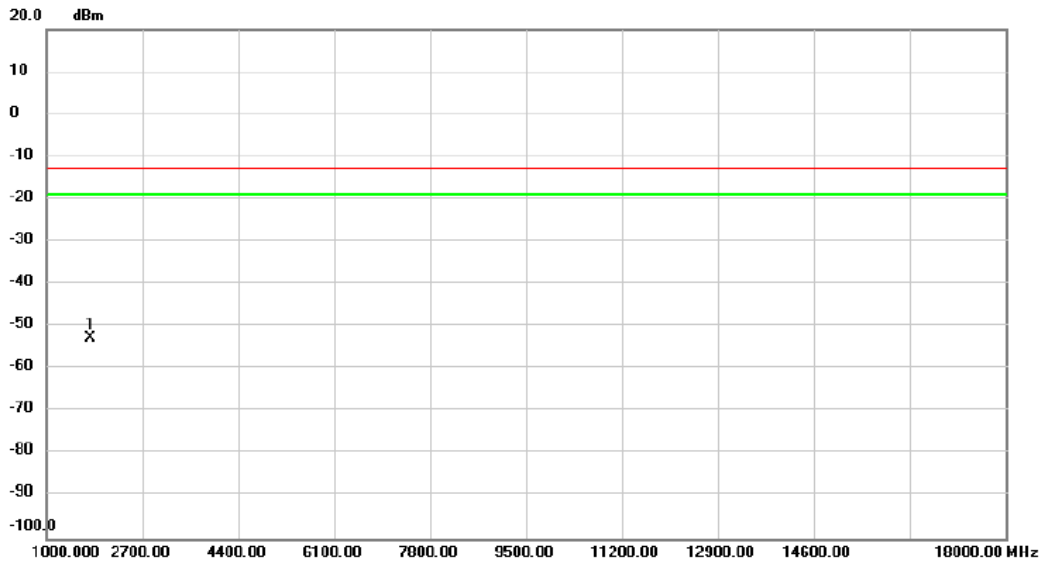
### Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	6899.000	-55.27	8.65	-46.62	-13.00	-33.62	peak	

Test Mode LTE Band 26\_TX CH26915\_5M\_Second Antenna

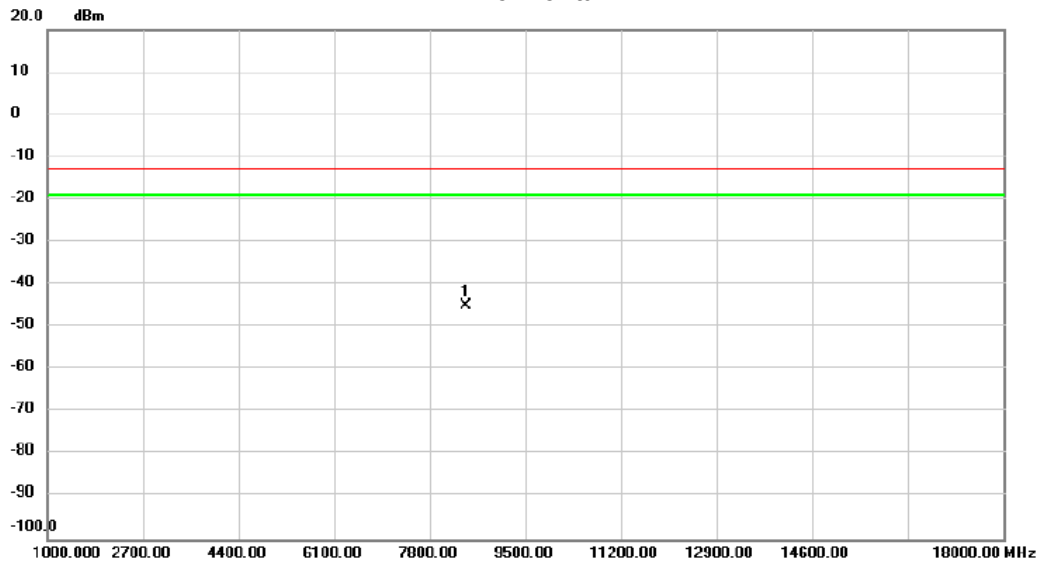
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1782.000	-48.71	-4.05	-52.76	-13.00	-39.76	peak	

Test Mode | LTE Band 26\_TX CH26915\_5M\_Second Antenna

### Horizontal

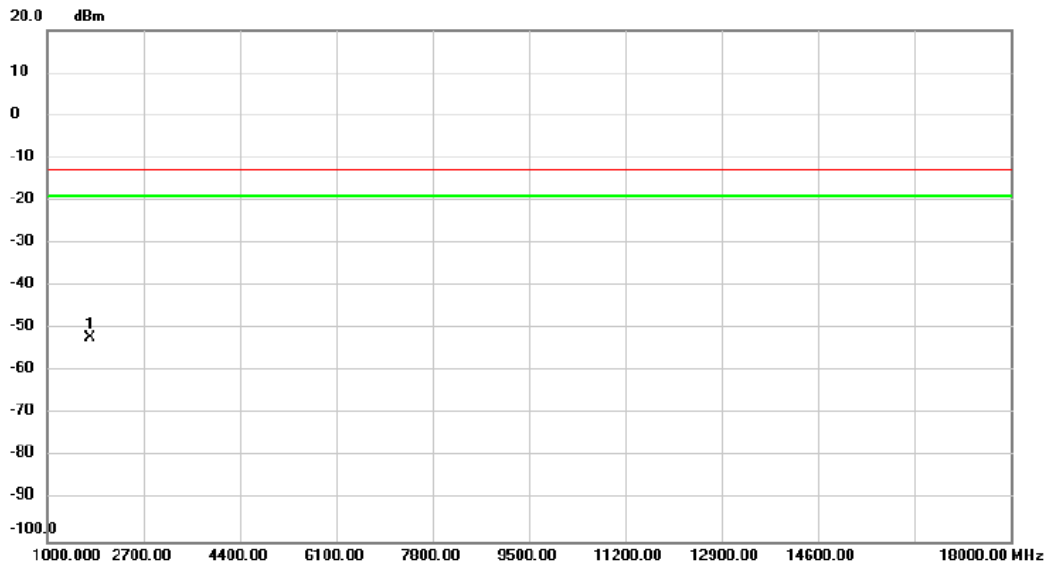


No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	8446.000	-55.17	10.08	-45.09	-13.00	-32.09	peak	



Test Mode LTE Band 26\_TX CH26915\_15M\_Second Antenna

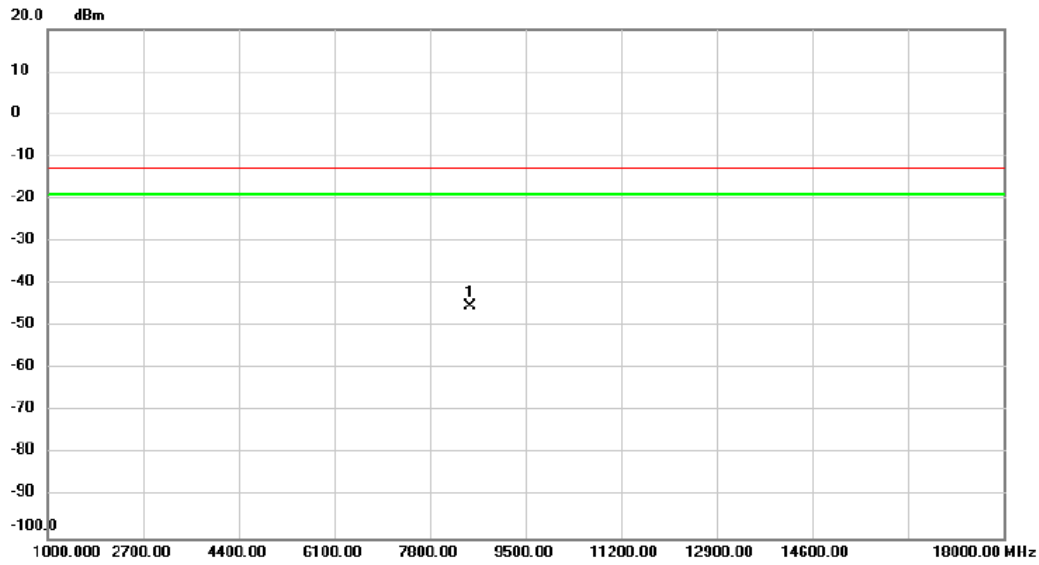
### Vertical



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	1765.000	-47.94	-4.17	-52.11	-13.00	-39.11	peak	

Test Mode | LTE Band 26\_TX CH26915\_15M\_Second Antenna

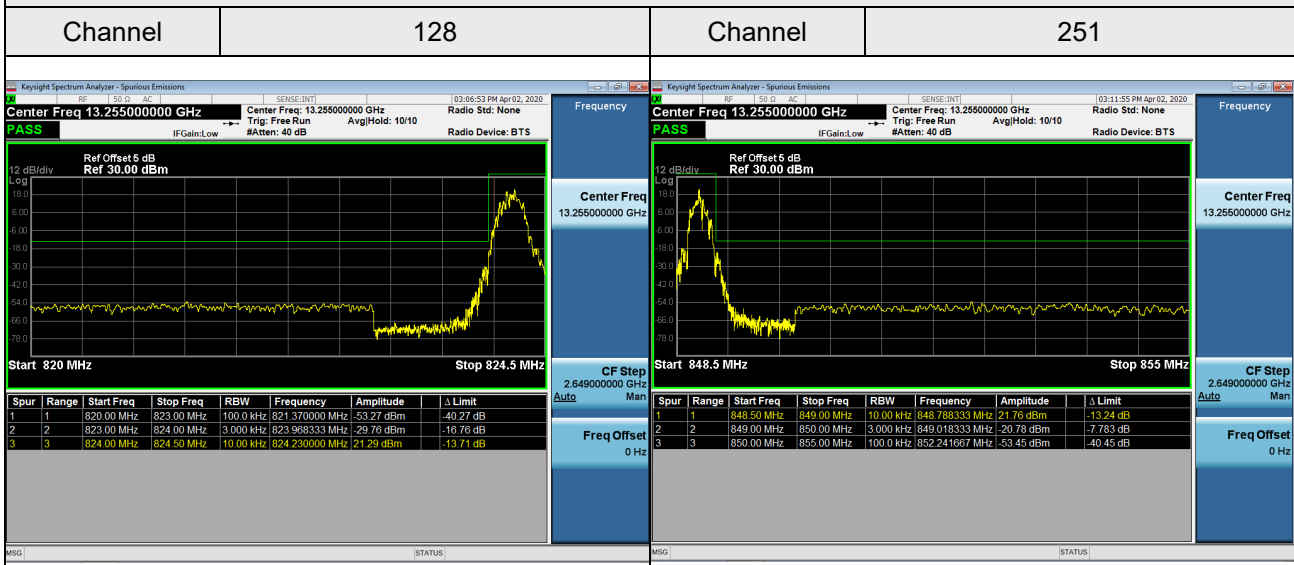
### Horizontal



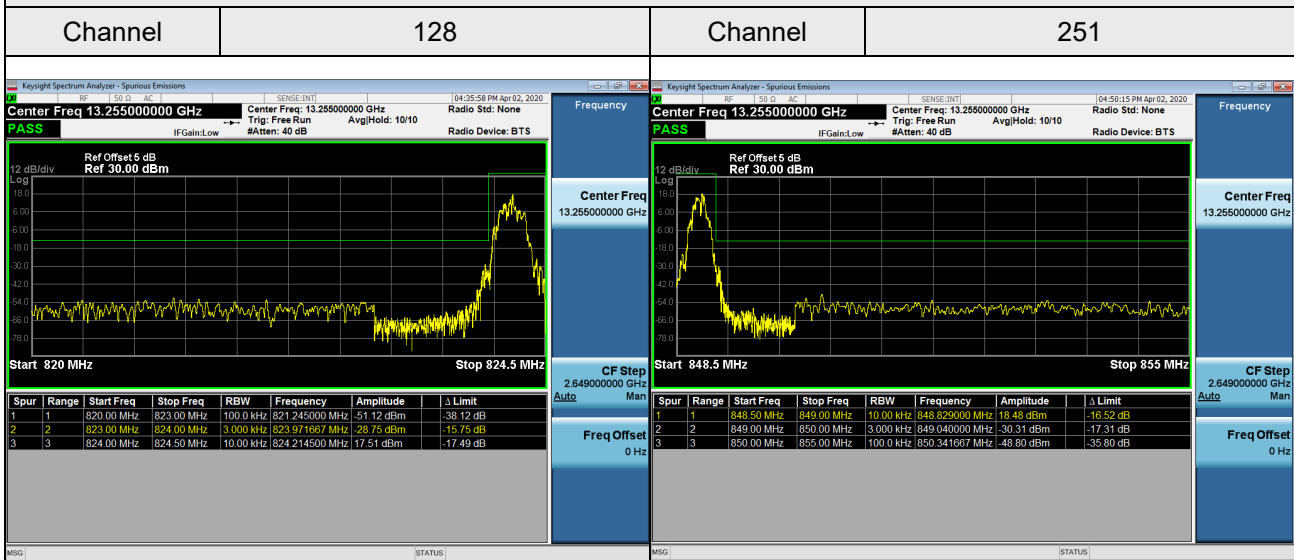
No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector	Comment
1	*	8514.000	-55.48	10.17	-45.31	-13.00	-32.31	peak	

## APPENDIX G - BAND EDGE

## GSM850\_GSM Spectrum Plot



## GSM850\_EDGE Spectrum Plot



### WCDMA Band V\_WCDMA Spectrum Plot



### WCDMA Band V\_HSDPA Spectrum Plot



### WCDMA Band V\_HSUPA Spectrum Plot



## LTE Band 5\_1.4M Spectrum Plot

1RB#0

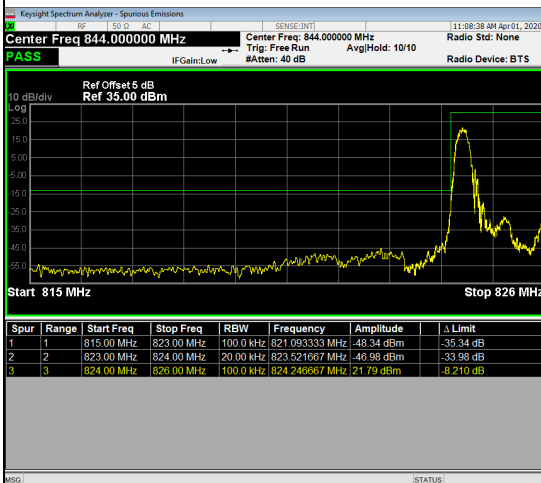
1RB#5

Channel

20407

Channel

20643



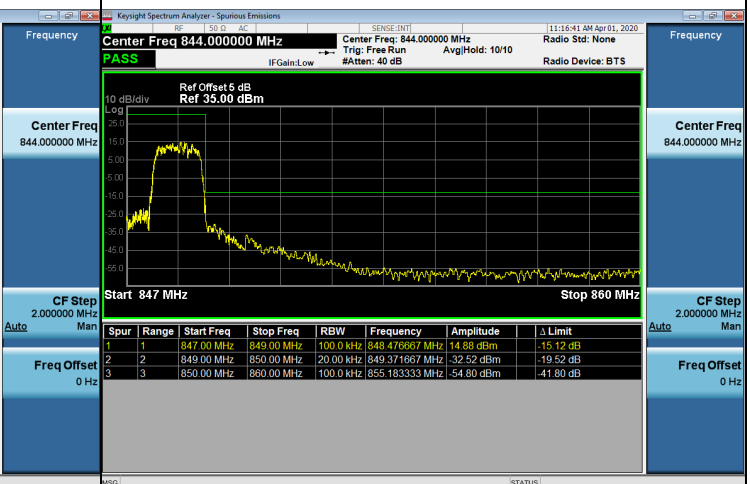
## 6RB#0

Channel

20407

Channel

20643



### LTE Band 5\_3M Spectrum Plot

1RB#0

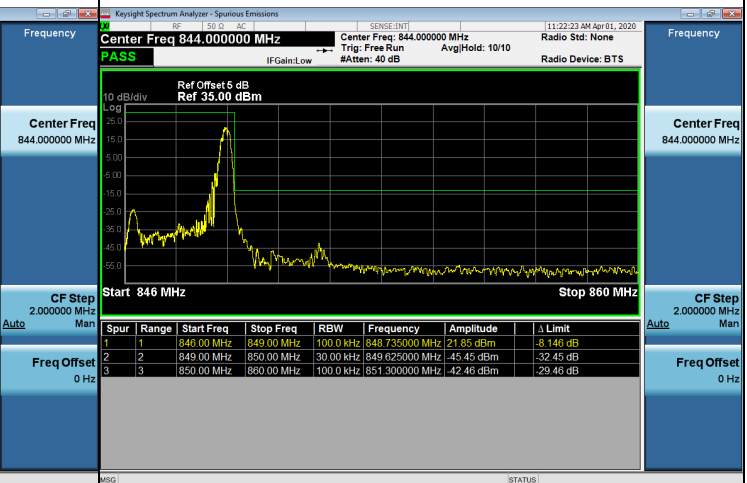
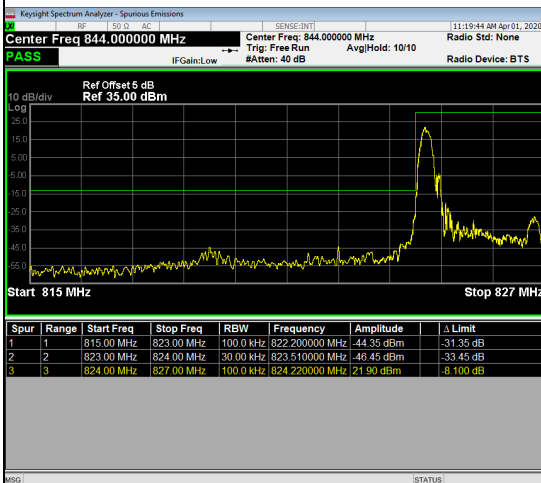
1RB#14

Channel

20415

Channel

20635



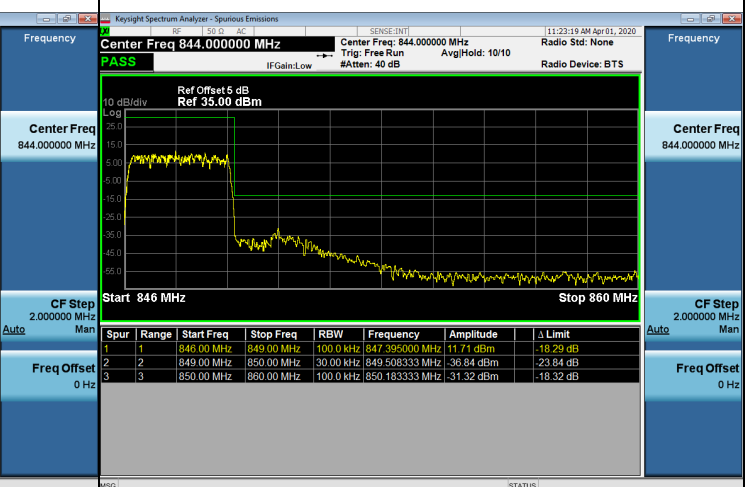
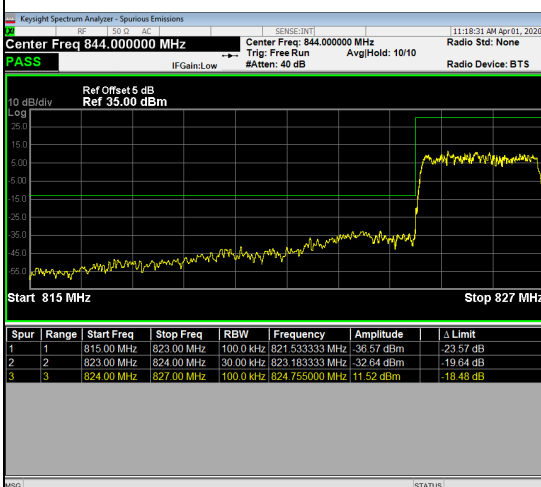
### 15RB#0

Channel

20415

Channel

20635



## LTE Band 5\_5M Spectrum Plot

1RB#0

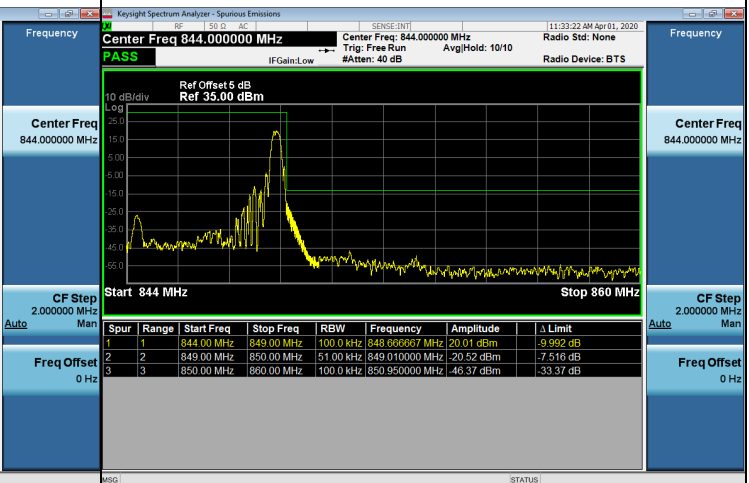
1RB#24

Channel

20425

Channel

20625



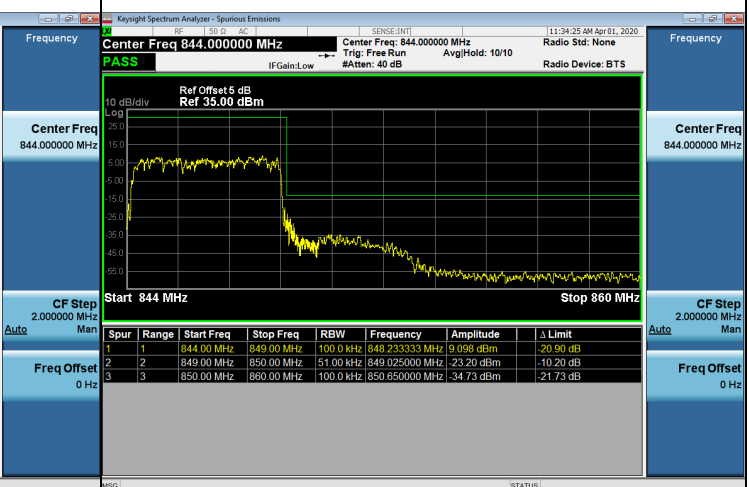
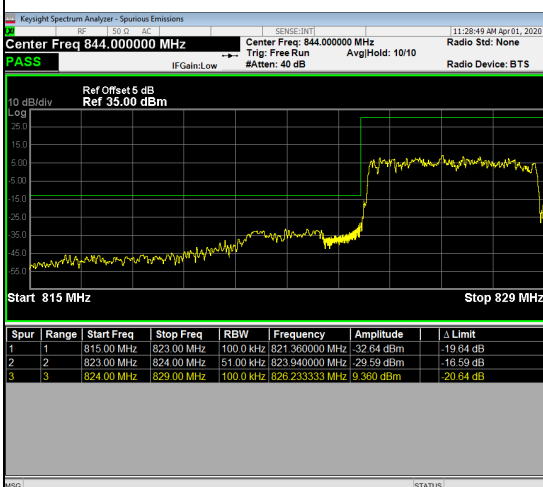
## 25RB#0

Channel

20425

Channel

20625





## LTE Band 5\_10M Spectrum Plot

1RB#0

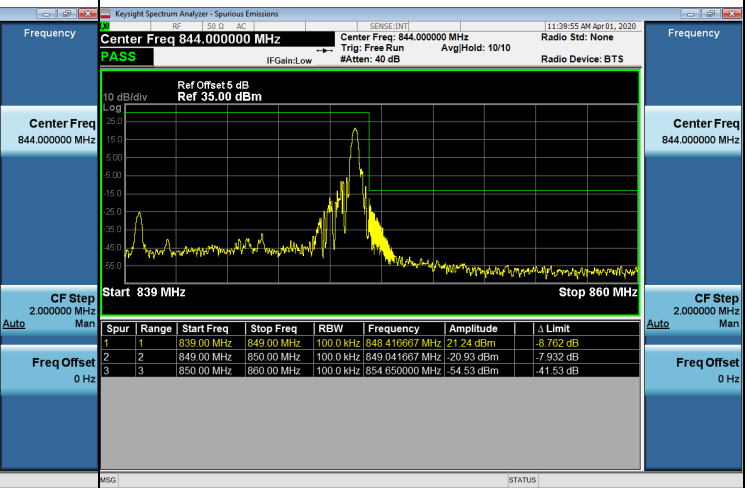
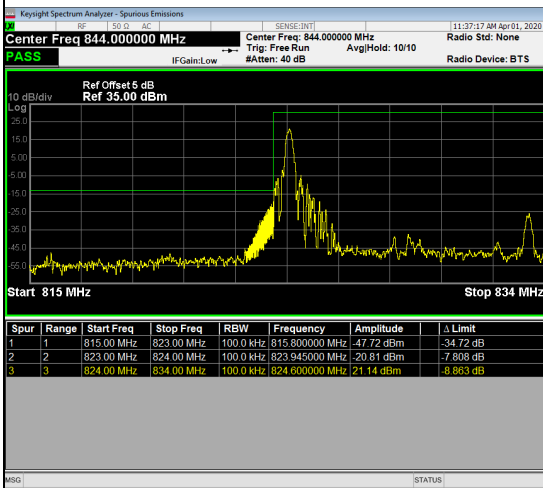
1RB#49

Channel

20450

Channel

20600



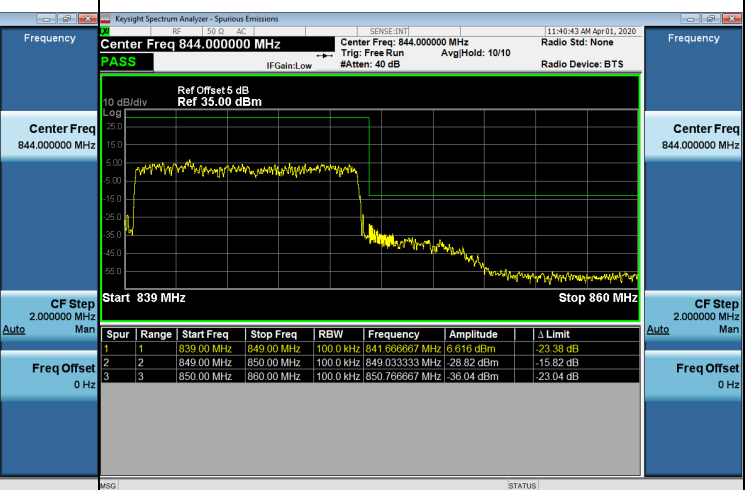
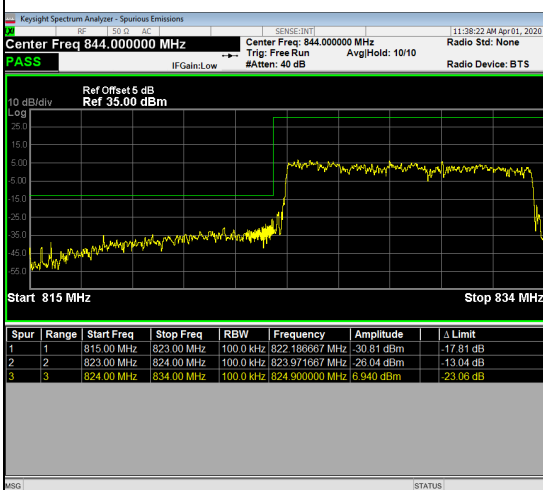
## 50RB#0

Channel

20450

Channel

20600



## LTE Band 26\_1.4M Spectrum Plot

1RB#0

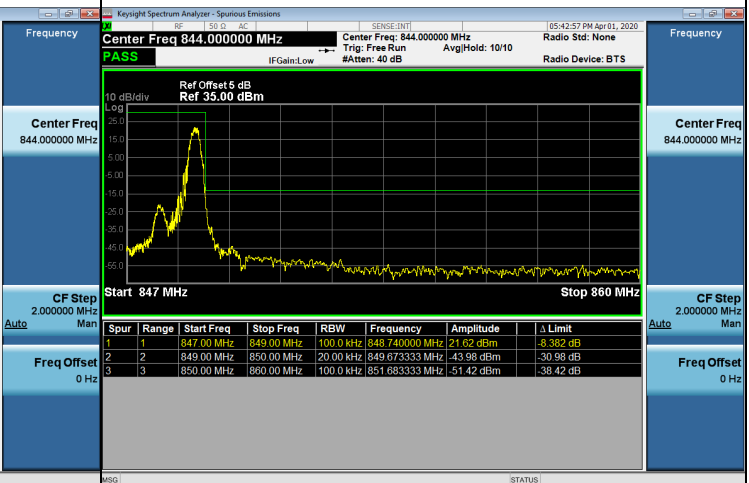
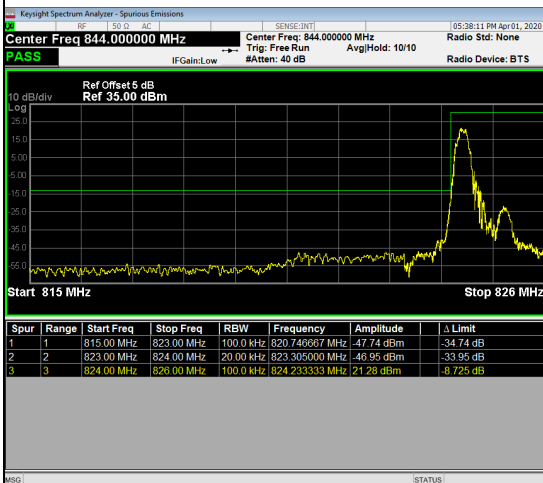
1RB#5

Channel

26797

Channel

27033



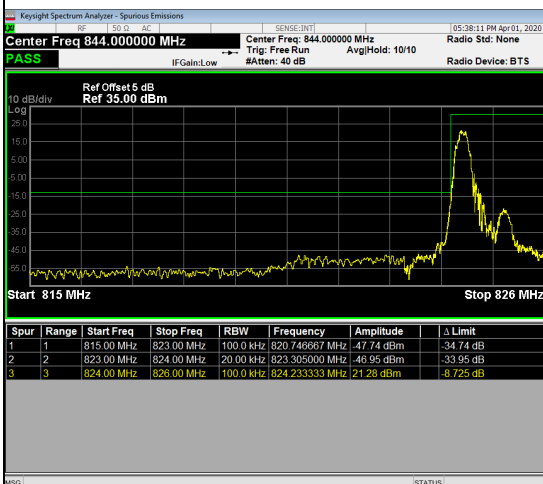
## 6RB#0

Channel

26797

Channel

27033



### LTE Band 26\_3M Spectrum Plot

1RB#0

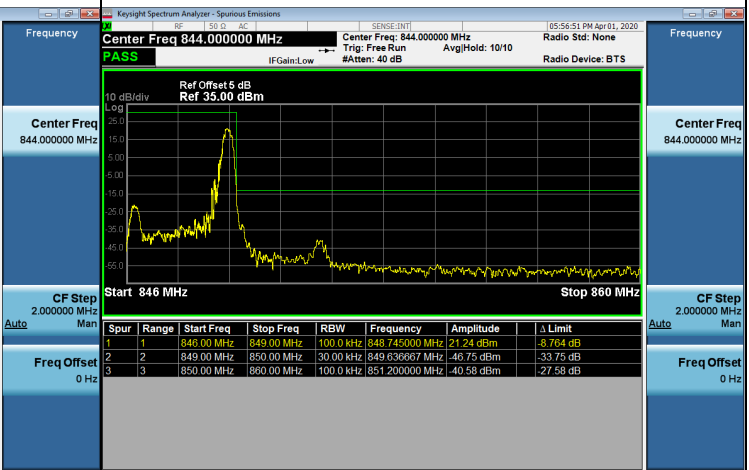
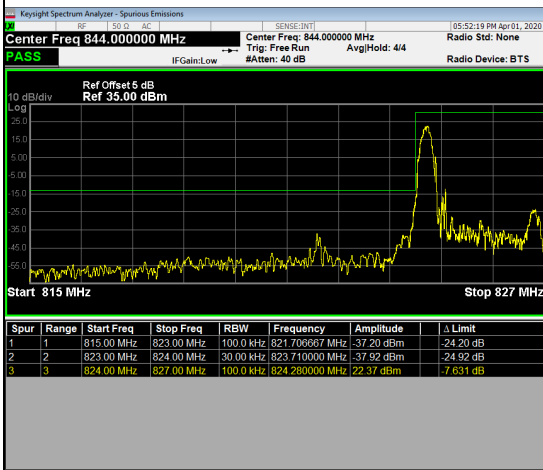
1RB#14

Channel

26805

Channel

27025



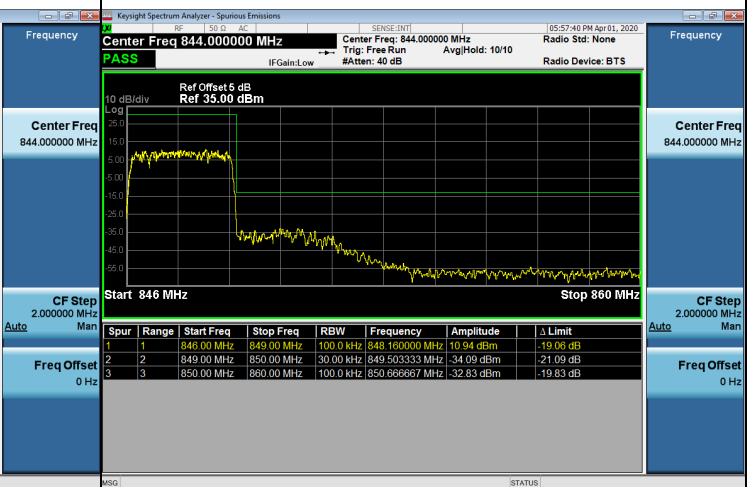
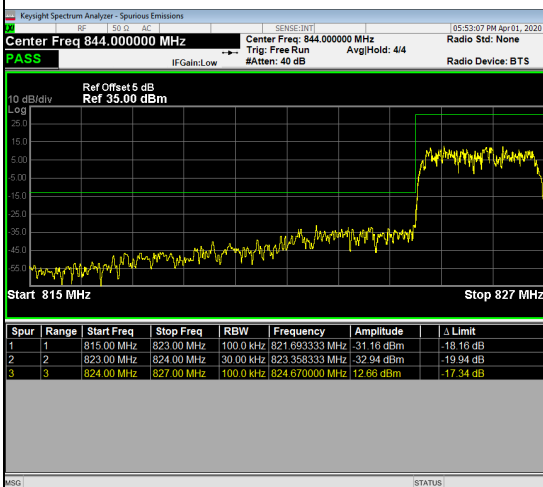
### 15RB#0

Channel

26805

Channel

27025



## LTE Band 26\_5M Spectrum Plot

1RB#0

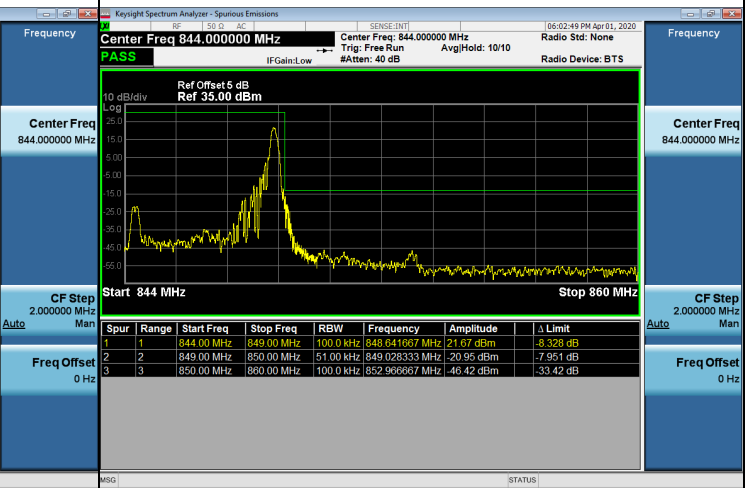
1RB#24

Channel

26815

Channel

27015



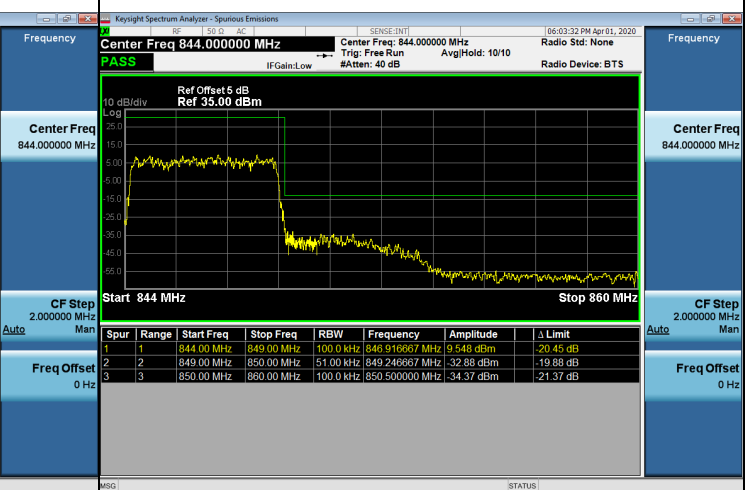
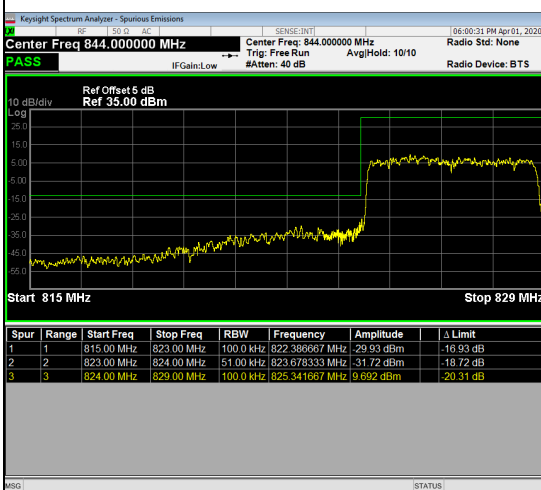
## 25RB#0

Channel

26815

Channel

27015



## LTE Band 26\_10M Spectrum Plot

1RB#0

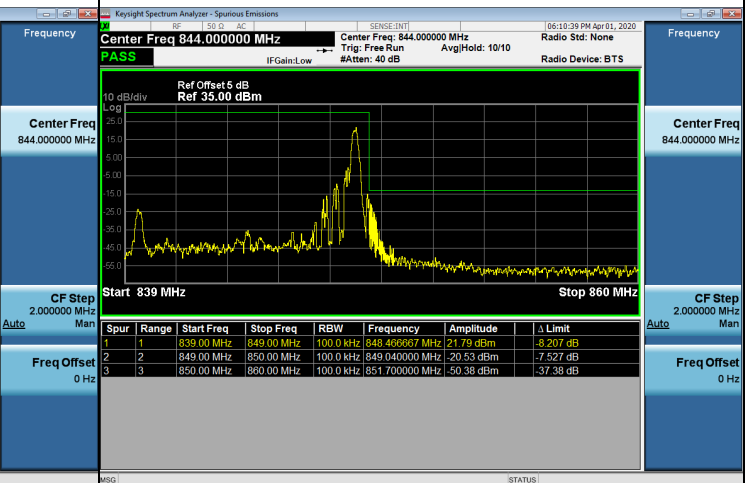
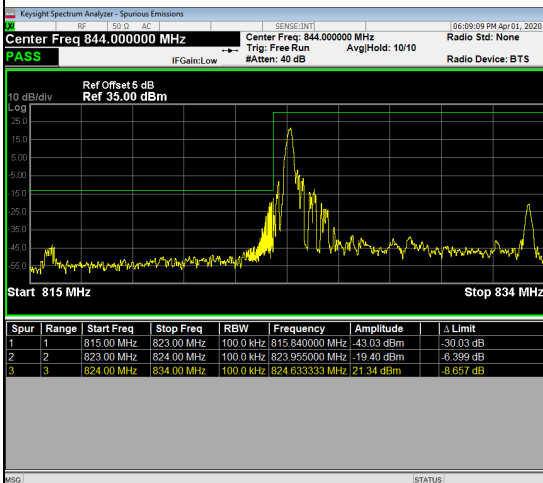
1RB#49

Channel

26840

Channel

26690



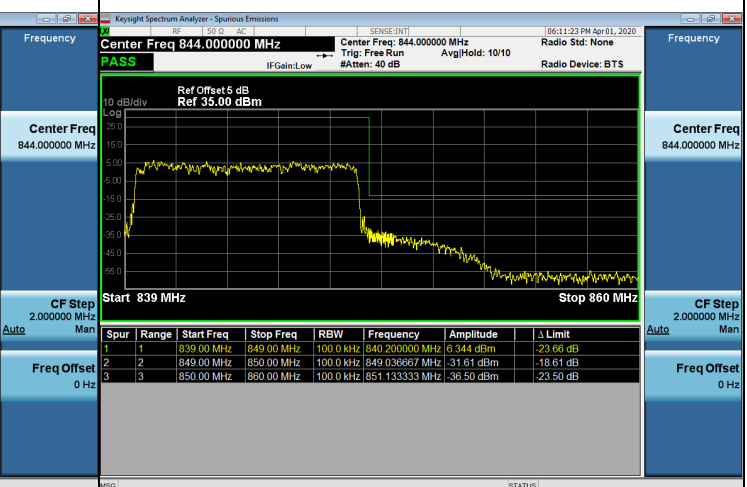
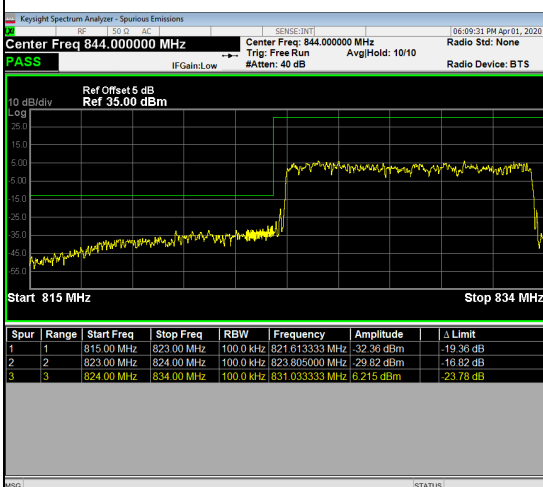
## 50RB#0

Channel

26840

Channel

26690



## LTE Band 26\_15M Spectrum Plot

1RB#0

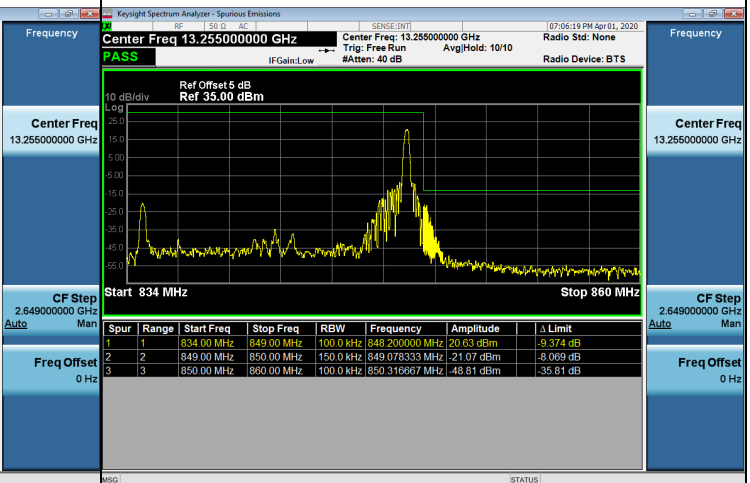
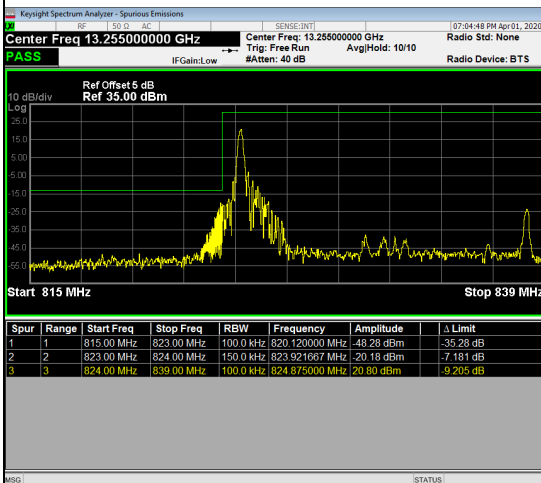
1RB#74

Channel

26865

Channel

26965



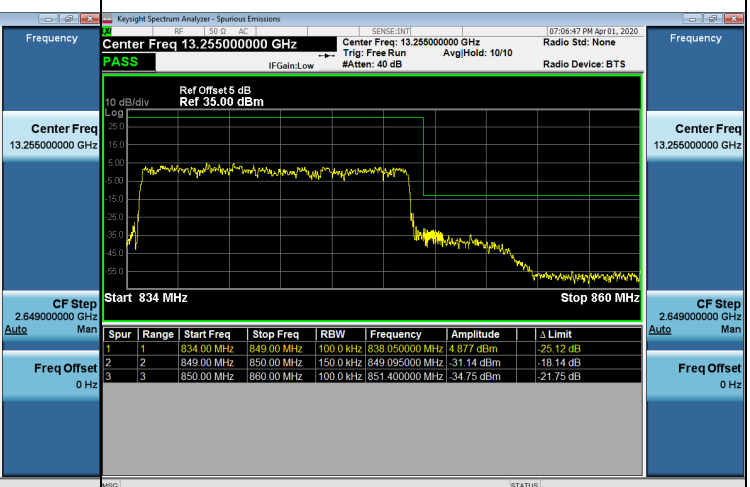
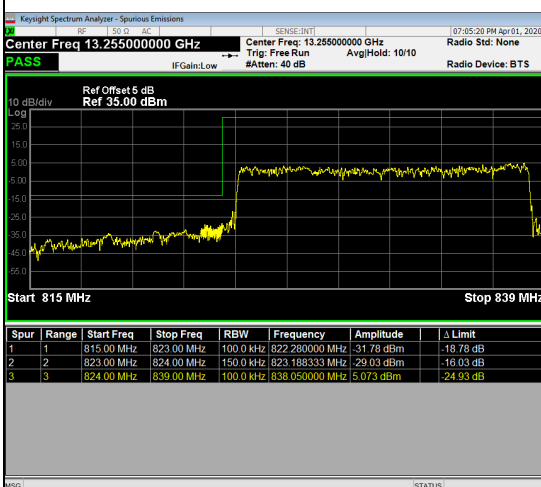
## 75RB#0

Channel

26865

Channel

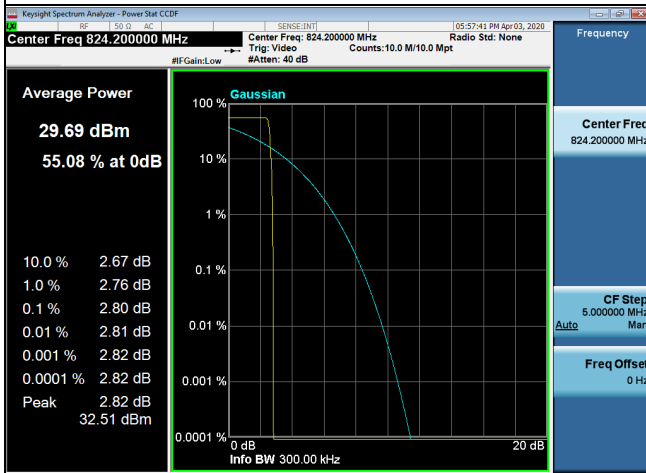
26965



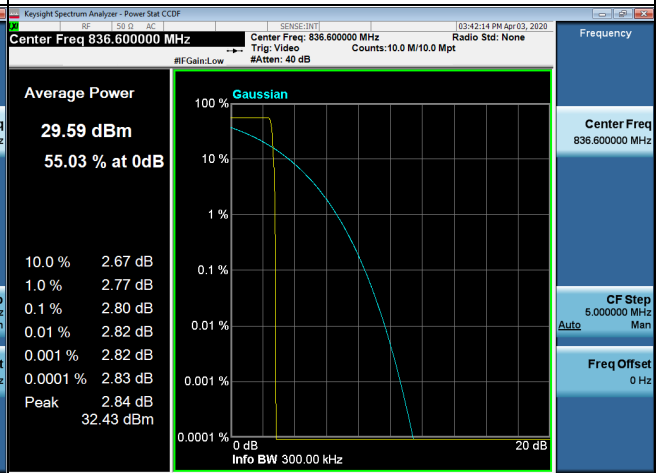
## APPENDIX H - PEAK TO AVERAGE RATIO

## GSM 850 Spectrum Plot

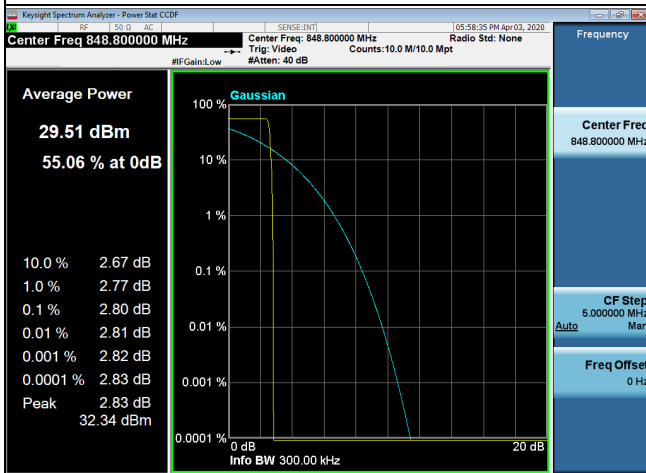
### GSM-128



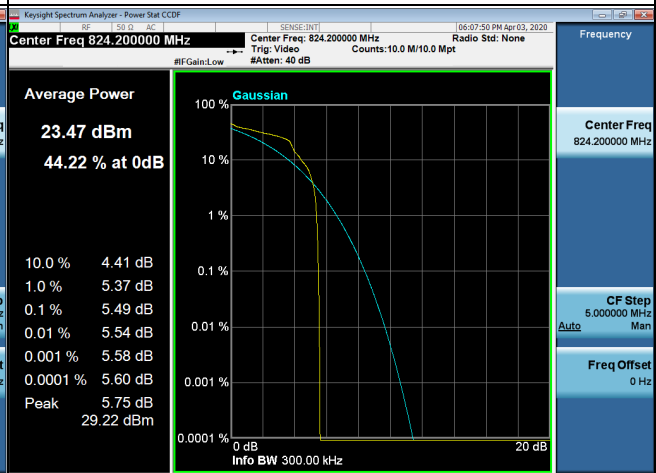
### GSM-190



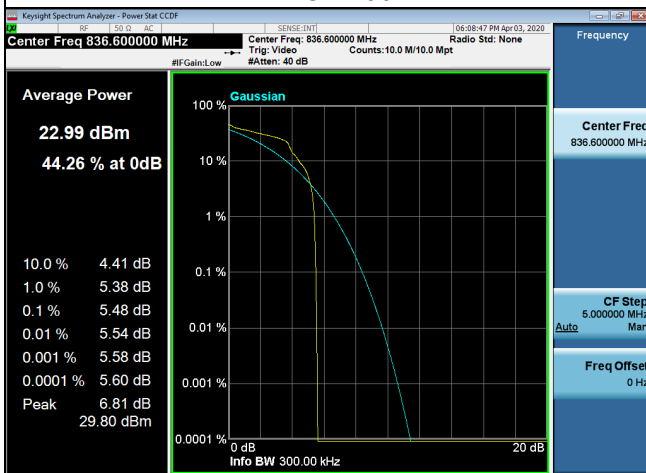
### GSM-251



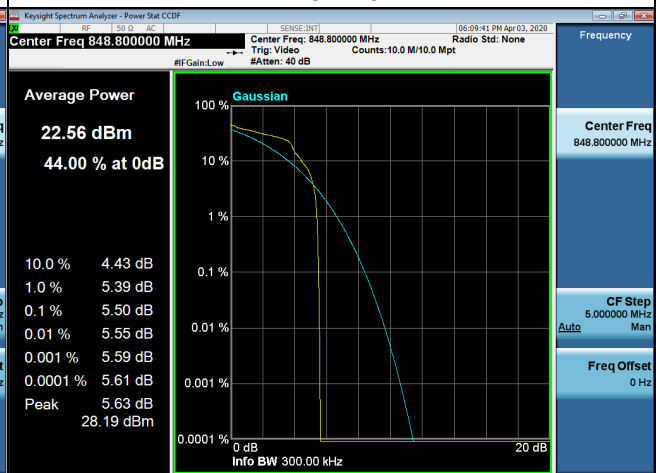
### EDGE-128



### EDGE-190



### EDGE-251

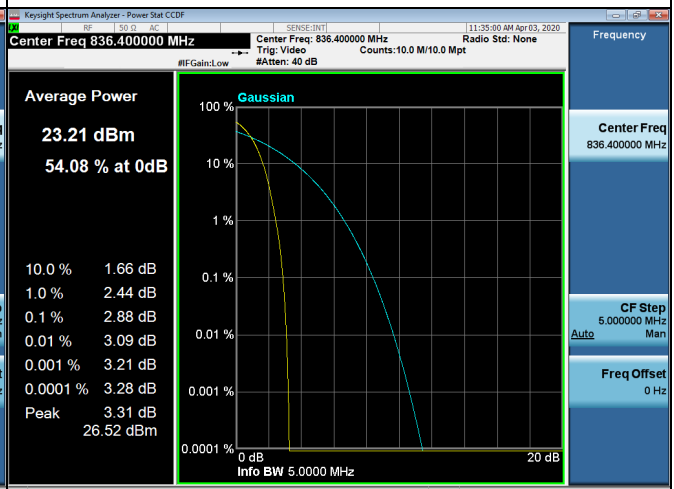
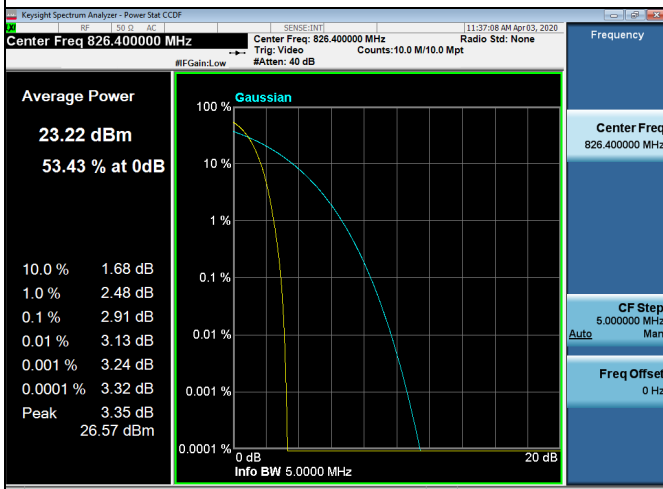




## WCDMA Band V\_WCDMA Spectrum Plot

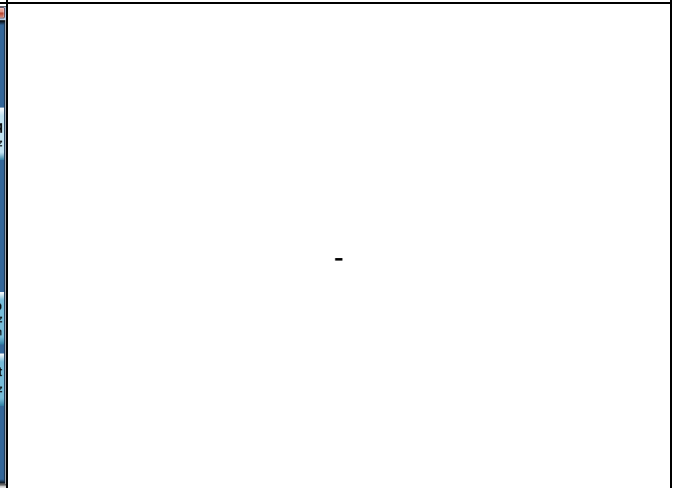
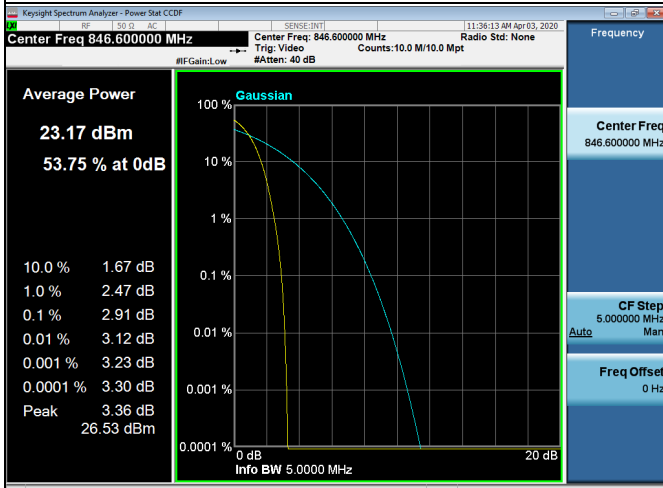
4132

4182



4233

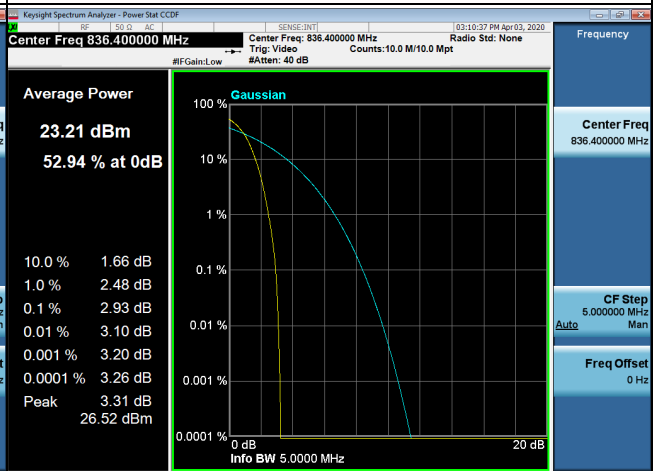
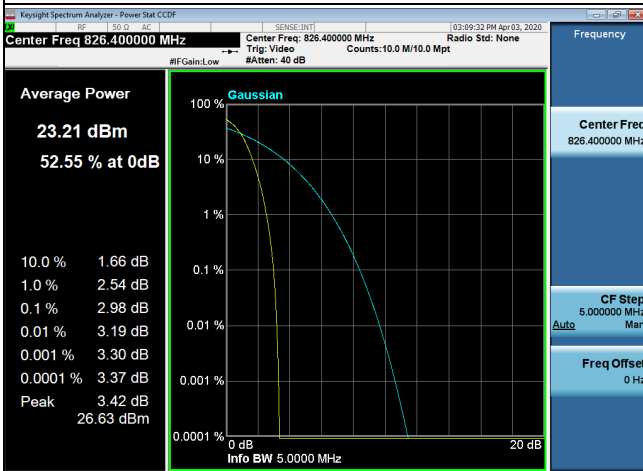
-



## WCDMA Band V\_HSDPA Spectrum Plot

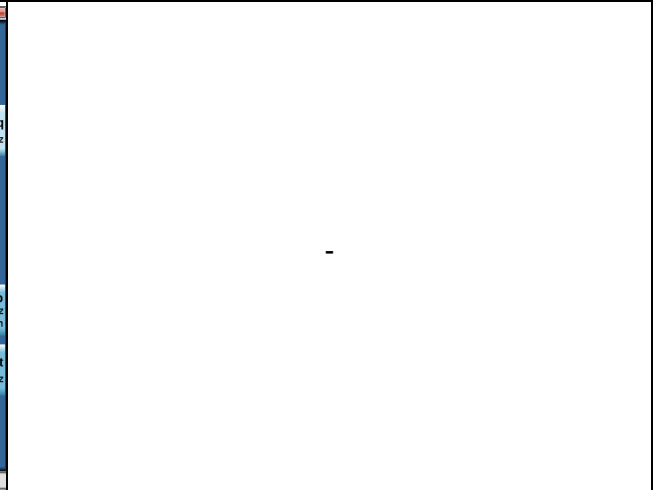
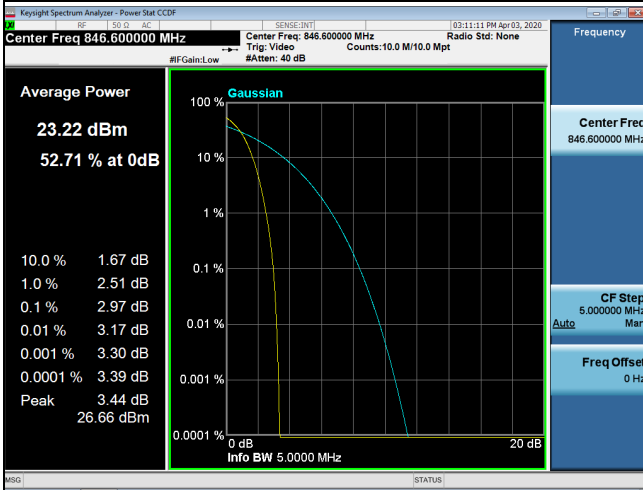
4132

4182



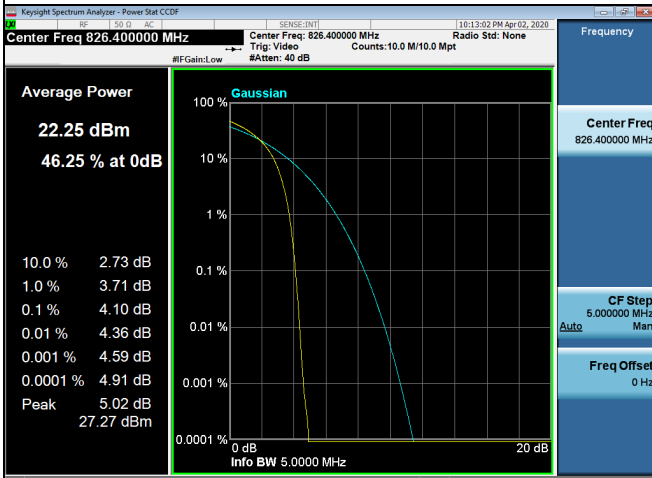
4233

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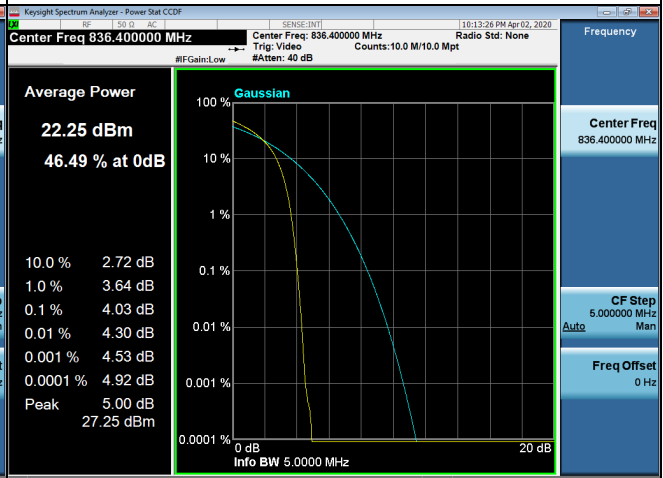


## WCDMA Band V\_HSUPA Spectrum Plot

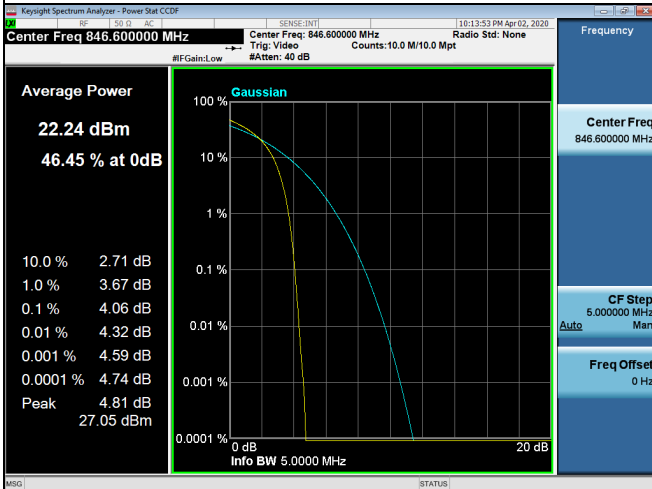
4132



4182

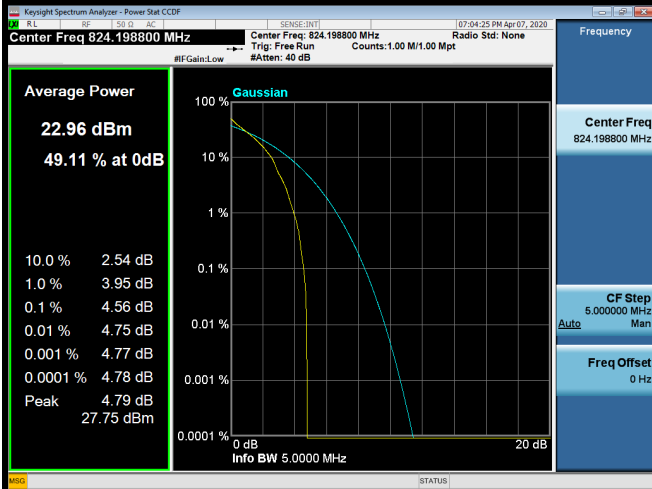


4233

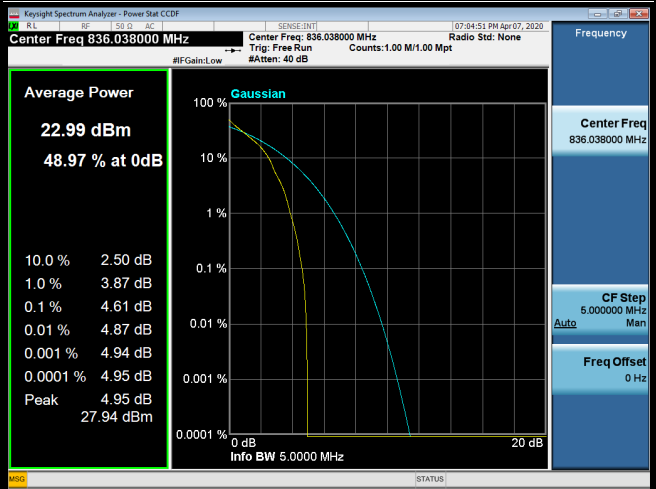


## LTE Band 5\_1.4M Spectrum Plot

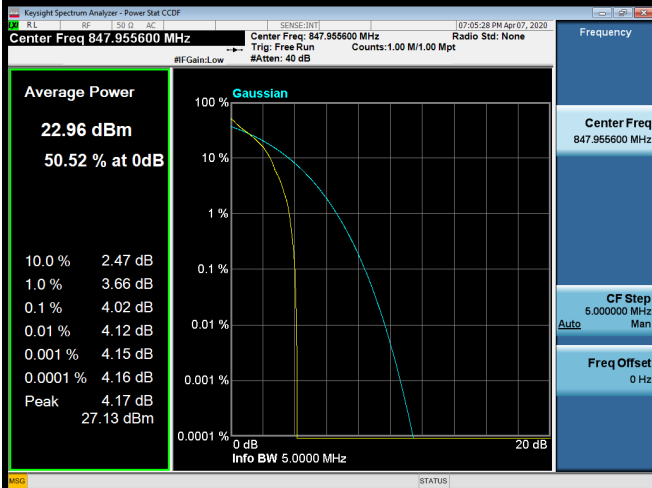
### QPSK-20407



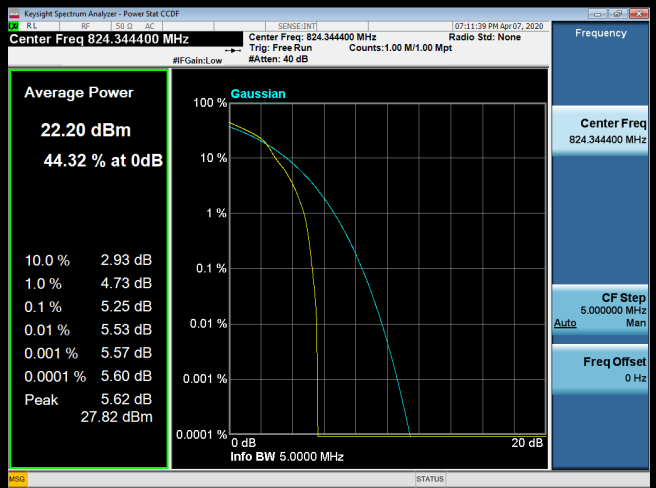
### QPSK-20525



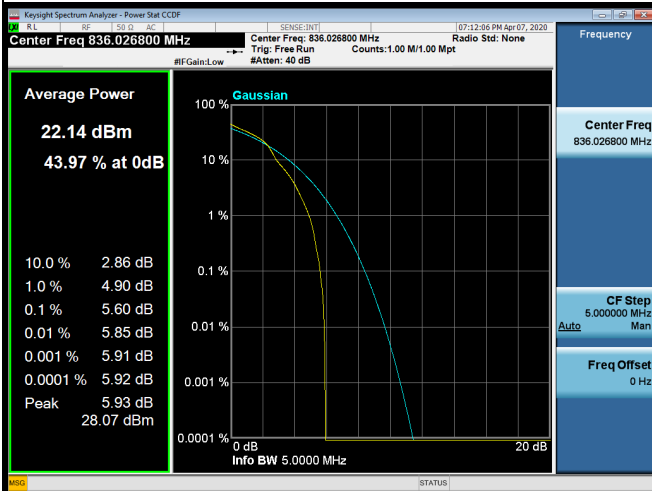
### QPSK-20643



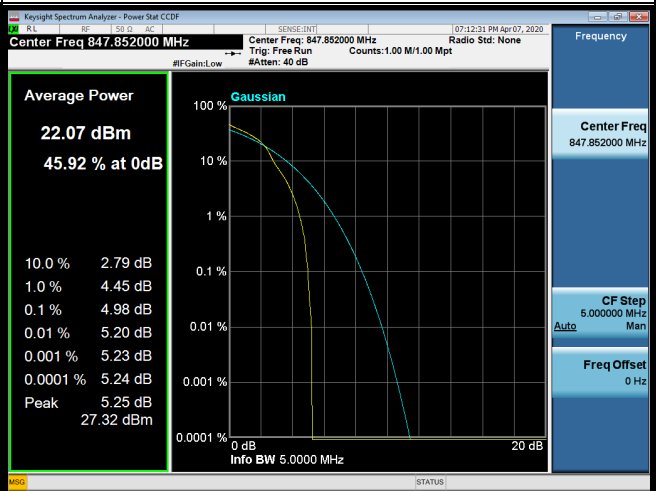
### 16QAM-20407



### 16QAM-20525

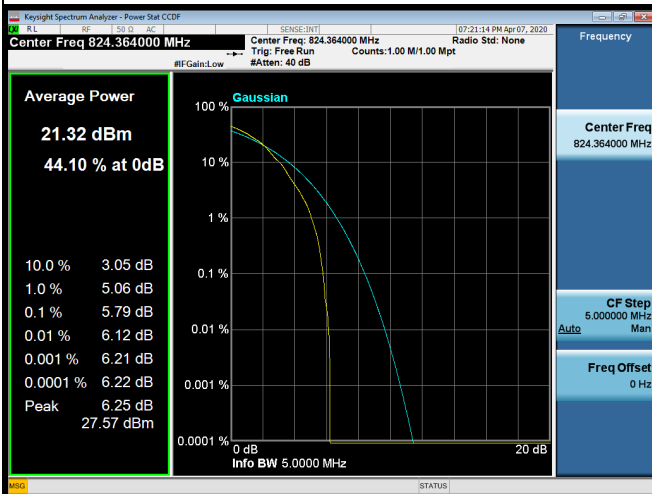


### 16QAM-20643

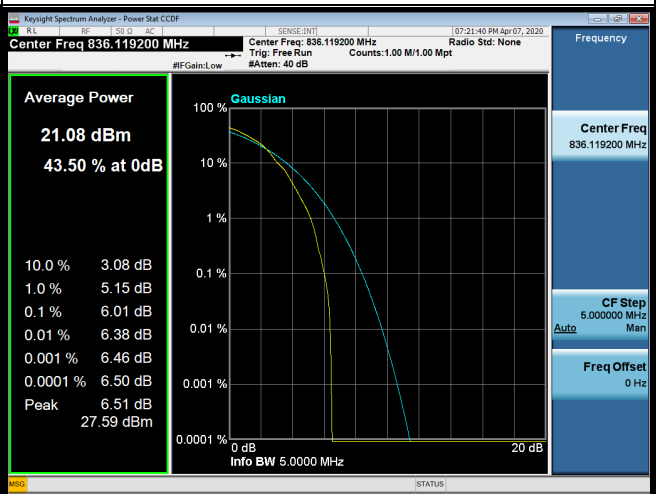


## LTE Band 5\_1.4M Spectrum Plot

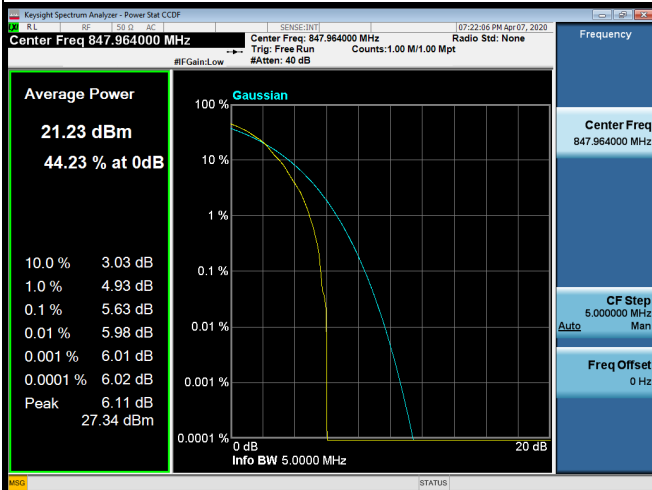
### 64QAM-20407



### 64QAM-20525

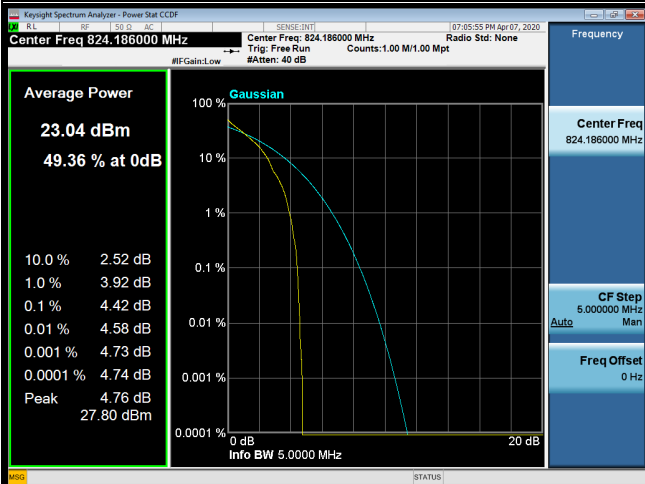


### 64QAM-20643

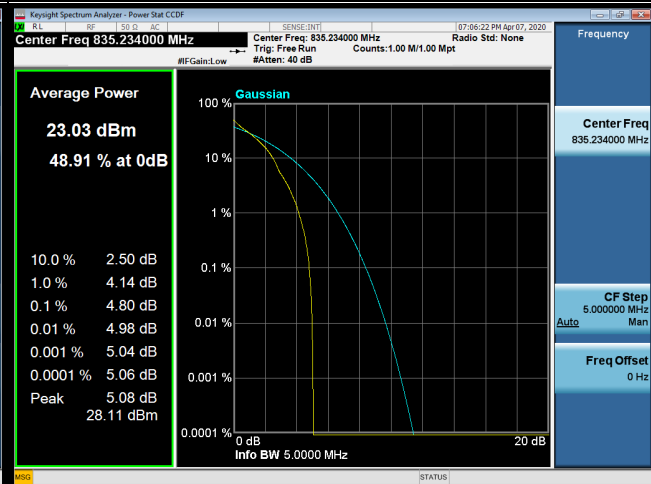


## LTE Band 5\_3M Spectrum Plot

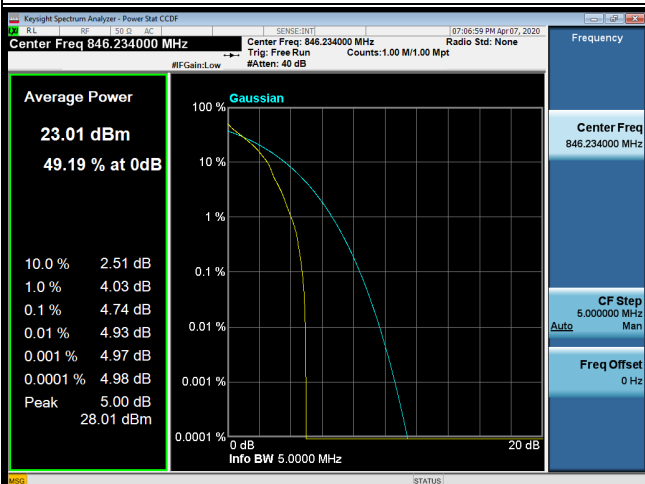
QPSK-20415



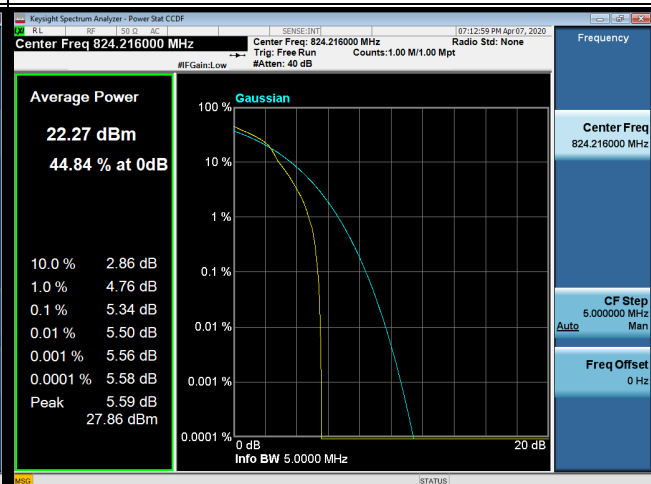
QPSK-20525



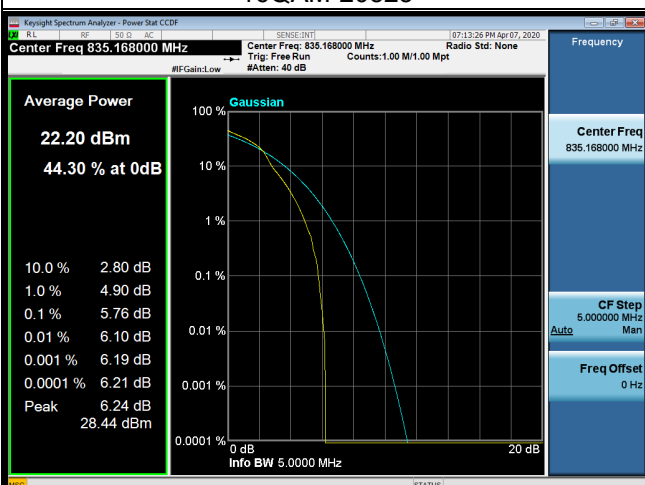
QPSK-20635



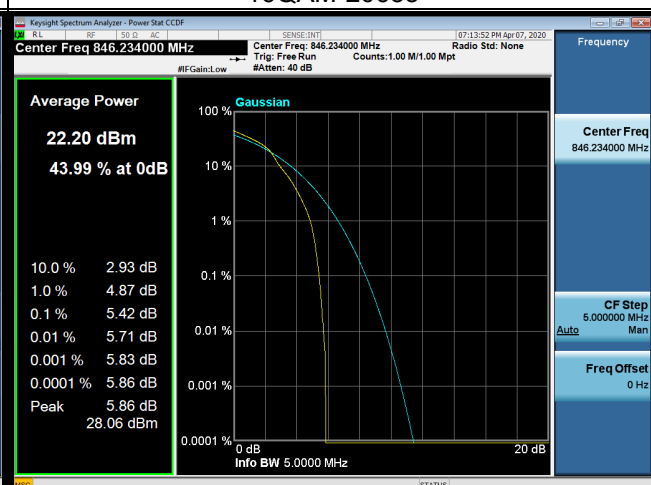
16QAM-20415



16QAM-20525

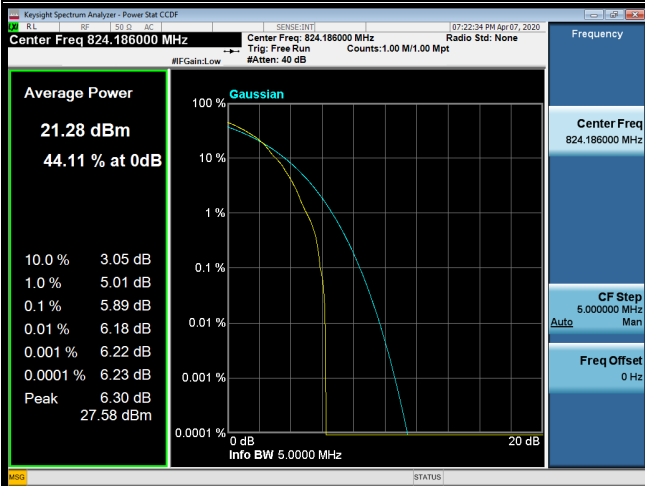


16QAM-20635

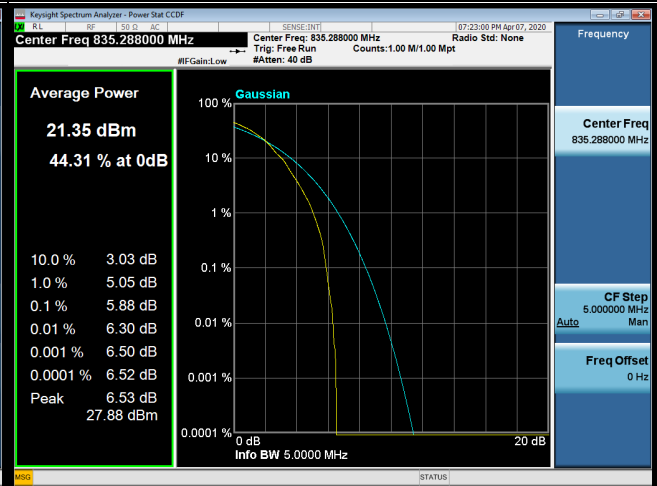


## LTE Band 5\_3M Spectrum Plot

64QAM-20415



64QAM-20525



64QAM-20635

