



Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0086	PASS
40	Normal Voltage	0.0040	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0091	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0082	
-30	Normal Voltage	0.0102	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.70 V. ; Battery End Point (BEP) = 3.20 V. ; Maximum Voltage = 4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 25	LTE B23	L	6000	-42.86	RMS	34.20	-54.12	0.37	-95.23	71.92	-13.00	-29.86	V	1
2	Part 25	LTE B255	H	3321	-44.80	RMS	29.80	-58.10	1.16	-95.23	77.57	-13.00	-31.80	H	1

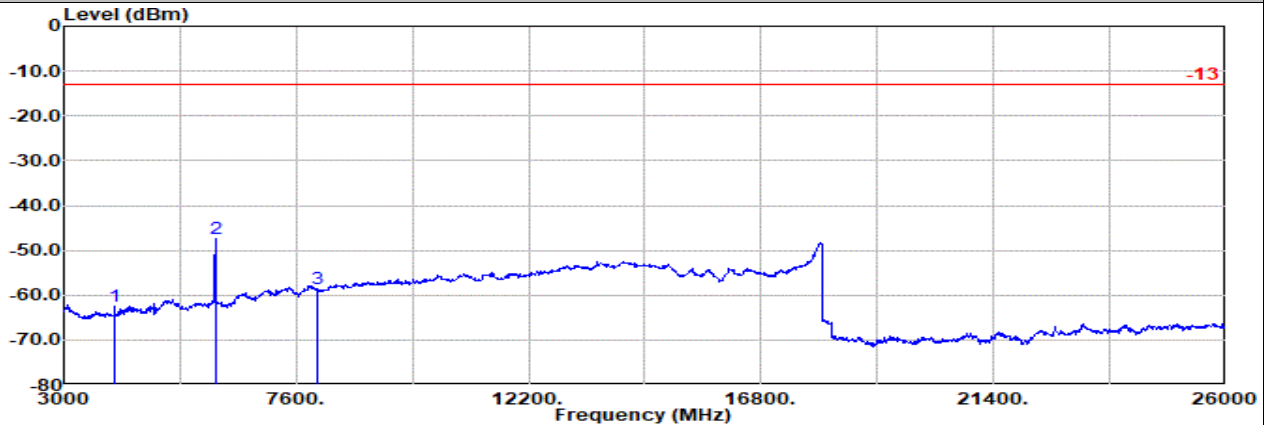


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Part 25 Mode 1

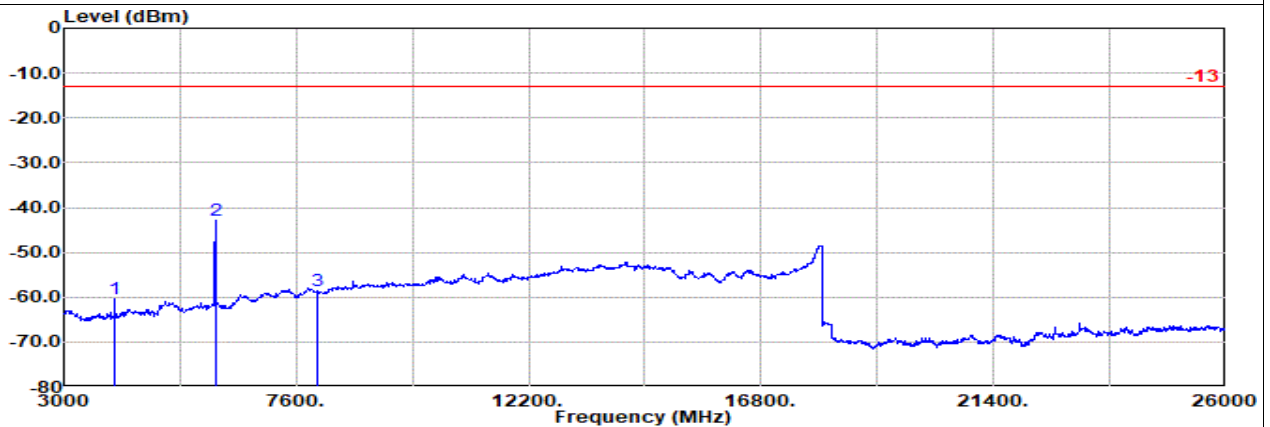
LTE B23 Ch25501

L



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Horizontal
 : LTE Band 23 20M Ch25501 1SC0 QPSK

1	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin Pol	
				Factor	1				dB	dB
	4005.00	-62.52	RMS	30.91	-57.61	0.60	-95.23	58.81	-13.00	-49.52 Horizontal
2	6000.00	-47.31	RMS	34.20	-54.12	0.37	-95.23	67.47	-13.00	-34.31 Horizontal
3	8010.00	-58.67	RMS	37.20	-53.53	0.42	-95.23	52.47	-13.00	-45.67 Horizontal



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Vertical
 : LTE Band 23 20M Ch25501 1SC0 QPSK

1	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit dBm	Margin Pol	
				Factor	1				dB	dB
	4005.00	-60.48	RMS	30.91	-57.61	0.60	-95.23	60.85	-13.00	-47.48 Vertical
2	6000.00	-42.86	RMS	34.20	-54.12	0.37	-95.23	71.92	-13.00	-29.86 Vertical
3	8010.00	-58.65	RMS	37.20	-53.53	0.42	-95.23	52.49	-13.00	-45.65 Vertical

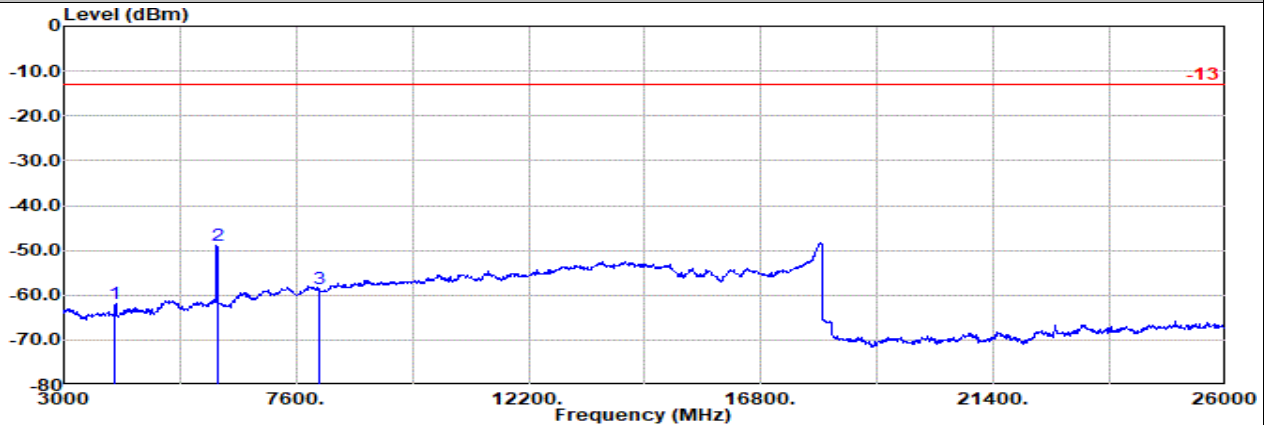


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Part 25 Mode 1

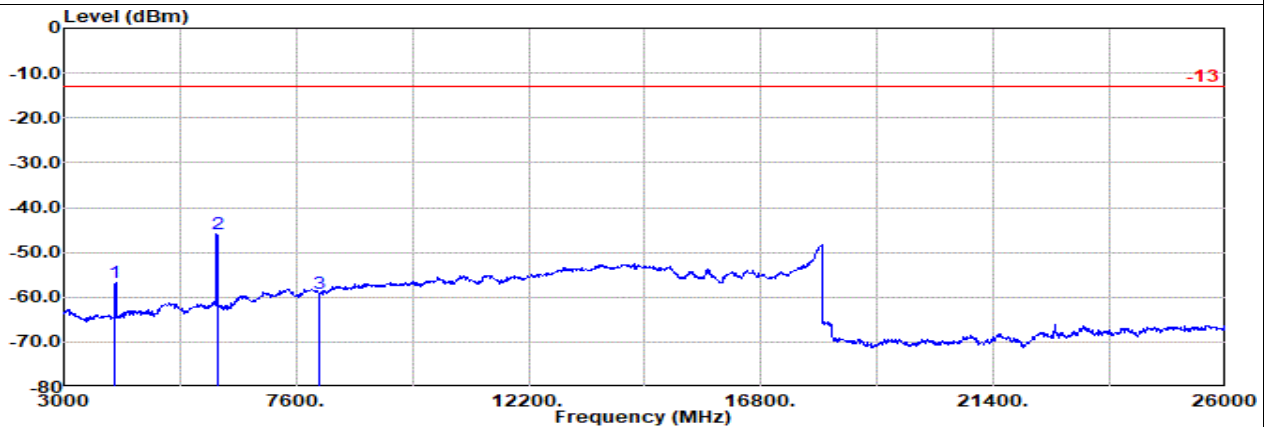
LTE B23 Ch25600

M



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Horizontal
 : LTE Band 23 20M Ch25600 1SC0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 4020.00	-61.87	RMS	30.94	-57.61	0.59	-95.23	59.44	-13.00	-48.87 Horizontal
2 6030.00	-48.78	RMS	34.26	-54.11	0.36	-95.23	65.94	-13.00	-35.78 Horizontal
3 8040.00	-58.45	RMS	37.20	-53.52	0.41	-95.23	52.69	-13.00	-45.45 Horizontal



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Vertical
 : LTE Band 23 20M Ch25600 1SC0 QPSK

Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol	
			Factor	1				g	
MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB	
1 4020.00	-56.81	RMS	30.94	-57.61	0.59	-95.23	64.50	-13.00	-43.81 Vertical
2 6030.00	-45.86	RMS	34.26	-54.11	0.36	-95.23	68.86	-13.00	-32.86 Vertical
3 8040.00	-59.27	RMS	37.20	-53.52	0.41	-95.23	51.87	-13.00	-46.27 Vertical

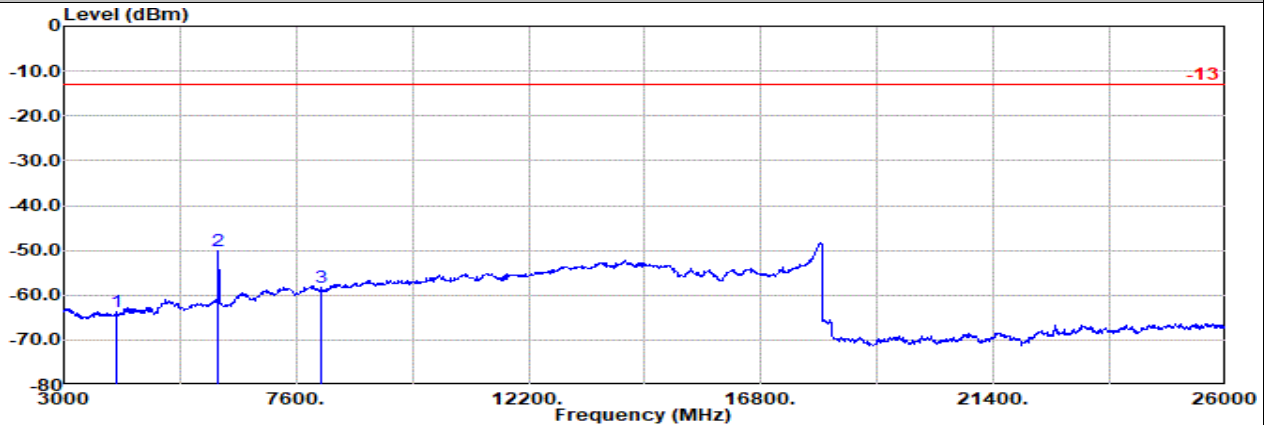


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Part 25 Mode 1

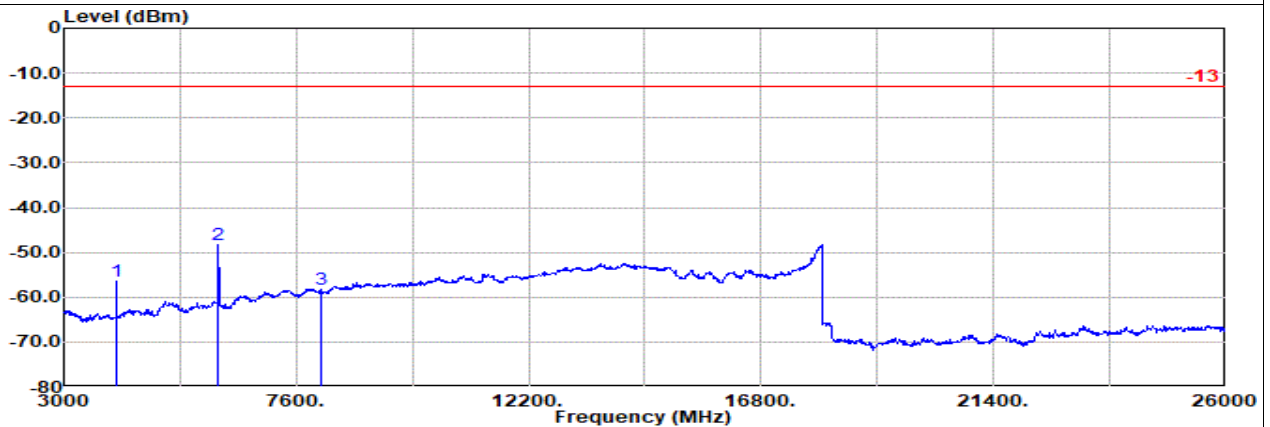
LTE B23 Ch25699

H



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Horizontal
 : LTE Band 23 20M Ch25699 1SC0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	4050.00	-63.63	RMS	31.00	-57.60	0.57	-95.23	57.63	-13.00	-50.63	Horizontal
2	6060.00	-49.98	RMS	34.28	-54.10	0.35	-95.23	64.71	-13.00	-36.98	Horizontal
3	8085.00	-58.35	RMS	37.20	-53.50	0.39	-95.23	52.79	-13.00	-45.35	Horizontal



Site : 03CH12-HY
 Condition: -13 1m BBHA9170_1223_240624 Vertical
 : LTE Band 23 20M Ch25699 1SC0 QPSK

	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin Pol		
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	4050.00	-56.59	RMS	31.00	-57.60	0.57	-95.23	64.67	-13.00	-43.59	Vertical
2	6060.00	-48.41	RMS	34.28	-54.10	0.35	-95.23	66.28	-13.00	-35.41	Vertical
3	8085.00	-58.31	RMS	37.20	-53.50	0.39	-95.23	52.83	-13.00	-45.31	Vertical

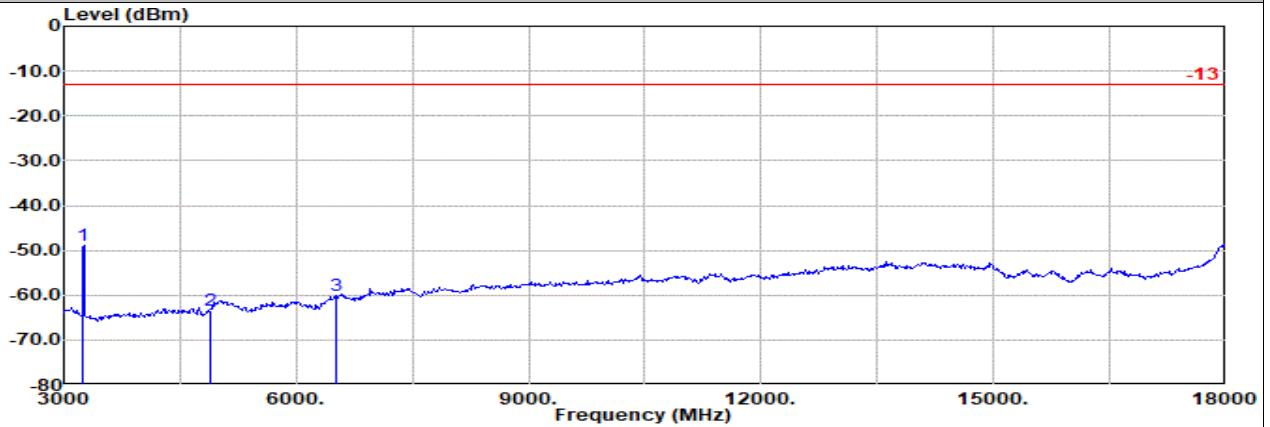


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Part 25 Mode 2

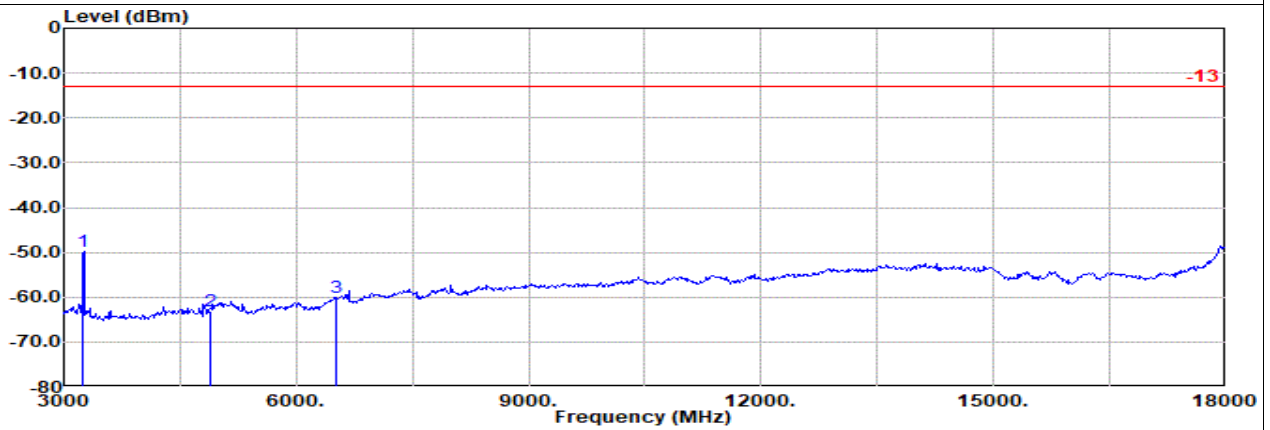
LTE B255 Ch261505

L



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Horizontal
 : LTE Band 255 20M Ch261505 1SC0 QPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
				Factor	1						g
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	3253.00	-49.03	RMS	29.80	-58.19	1.24	-95.23	-64.14	-13.00	-36.03	Horizontal
2	4880.00	-63.31	RMS	32.86	-56.96	0.44	-95.23	55.58	-13.00	-50.31	Horizontal
3	6506.00	-60.05	RMS	35.34	-53.83	0.36	-95.23	53.31	-13.00	-47.05	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Vertical
 : LTE Band 255 20M Ch261505 1SC0 QPSK

1	Freq	Level	Detector	Ant Amp\Cb Filter		EIRPCF	Readin	Limit	Margin	Pol	
				Factor	1						g
	MHz	dBm		dB/m	dB	dB	dBuV	dBm	dB		
1	3253.00	-49.81	RMS	29.80	-58.19	1.24	-95.23	72.57	-13.00	-36.81	Vertical
2	4880.00	-63.14	RMS	32.86	-56.96	0.44	-95.23	55.75	-13.00	-50.14	Vertical
3	6506.00	-60.07	RMS	35.34	-53.83	0.36	-95.23	53.29	-13.00	-47.07	Vertical

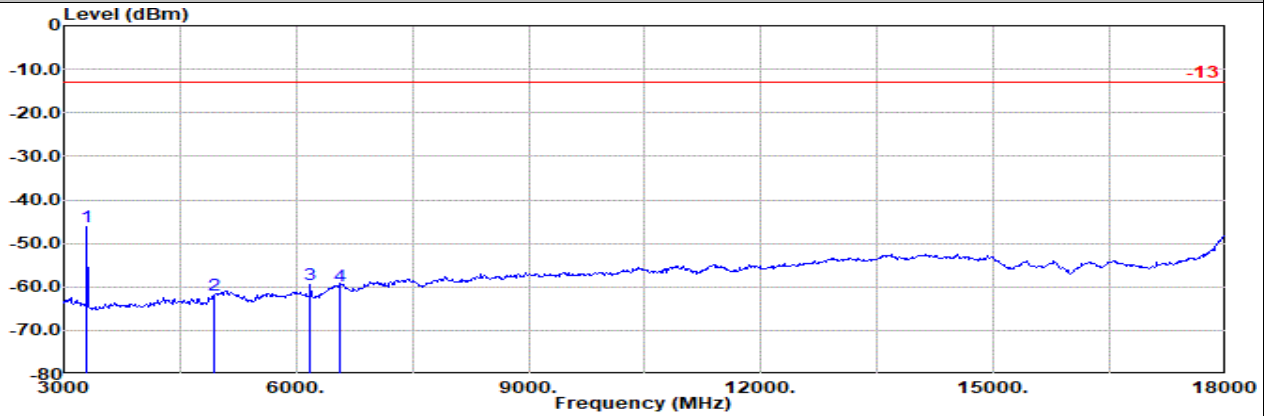


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Part 25 Mode 2

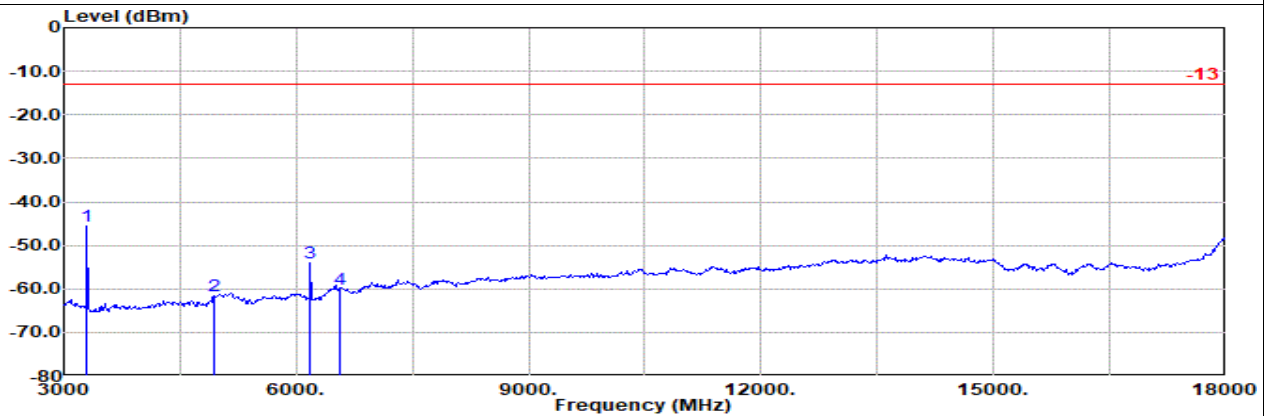
LTE B255 Ch261674

M



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Horizontal
 : LTE Band 255 20M Ch261674 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3287.00	-46.31	RMS	29.80	-58.14	1.20	-95.23	76.06	-13.00	-33.31	Horizontal	
2	4930.00	-61.93	RMS	33.14	-56.83	0.45	-95.23	56.54	-13.00	-48.93	Horizontal	
3	6167.00	-59.34	RMS	34.33	-54.06	0.33	-95.23	55.29	-13.00	-46.34	Horizontal	
4	6574.00	-59.66	RMS	35.79	-53.82	0.36	-95.23	53.24	-13.00	-46.66	Horizontal	



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Vertical
 : LTE Band 255 20M Ch261674 1RB0 QPSK

	Freq	Level	Detector	Ant Factor	Amp	Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB	dBuV	dBm	dB	
1	3287.00	-45.47	RMS	29.80	-58.14	1.20	-95.23	76.90	-13.00	-32.47	Vertical	
2	4930.00	-61.69	RMS	33.14	-56.83	0.45	-95.23	56.78	-13.00	-48.69	Vertical	
3	6167.00	-54.14	RMS	34.33	-54.06	0.33	-95.23	60.49	-13.00	-41.14	Vertical	
4	6574.00	-59.94	RMS	35.79	-53.82	0.36	-95.23	52.96	-13.00	-46.94	Vertical	

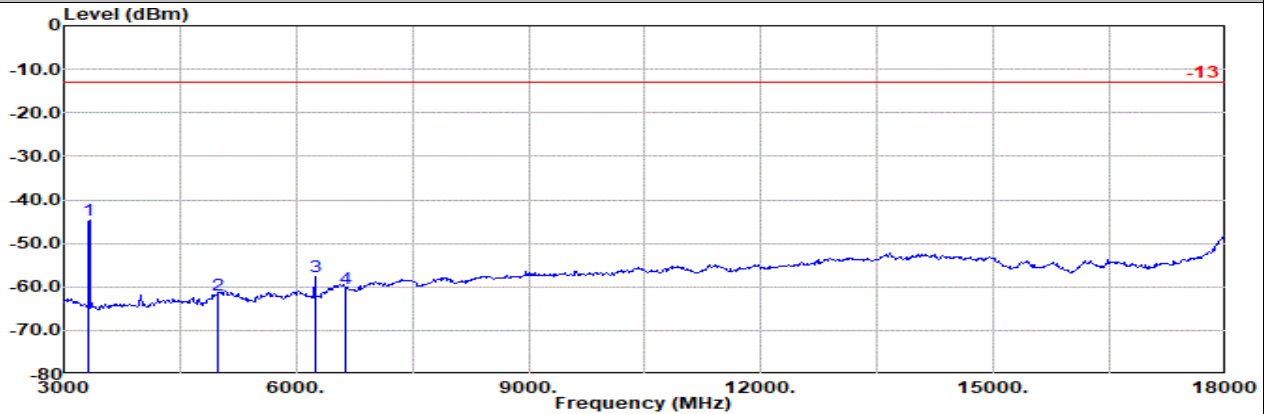


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Part 25 Mode 2

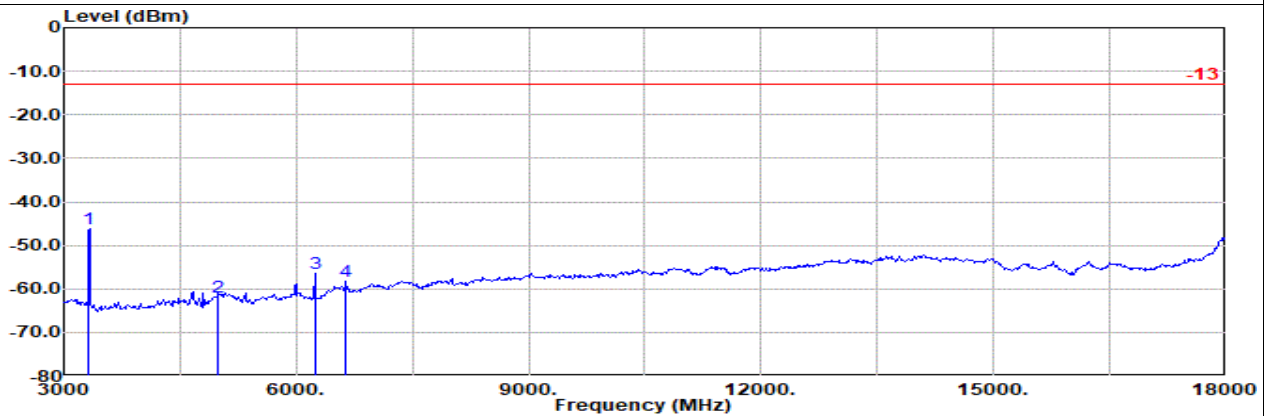
LTE B255 Ch261843

H



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Horizontal
 : LTE Band 255 20M Ch261843 1SC0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3321.00	-44.80	RMS	29.80	-58.10	1.16	-95.23	77.57	-13.00	-31.80	Horizontal
2	4981.00	-61.77	RMS	33.36	-56.69	0.47	-95.23	56.32	-13.00	-48.77	Horizontal
3	6240.00	-57.67	RMS	34.48	-54.02	0.33	-95.23	56.77	-13.00	-44.67	Horizontal
4	6642.00	-60.39	RMS	36.08	-53.81	0.36	-95.23	52.21	-13.00	-47.39	Horizontal



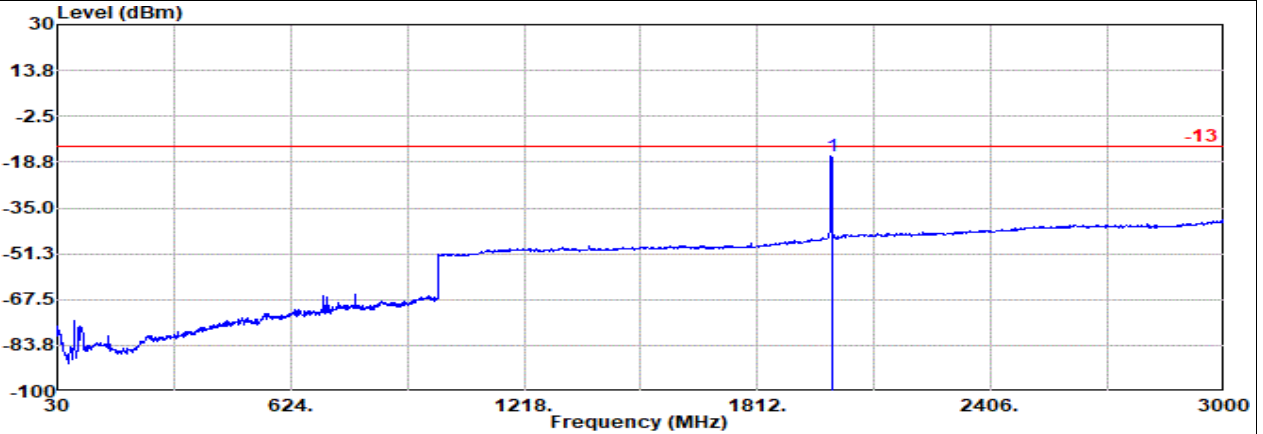
Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-240711 Vertical
 : LTE Band 255 20M Ch261843 1SC0 QPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3321.00	-46.12	RMS	29.80	-58.10	1.16	-95.23	76.25	-13.00	-33.12	Vertical
2	4981.00	-61.86	RMS	33.36	-56.69	0.47	-95.23	56.23	-13.00	-48.86	Vertical
3	6240.00	-56.31	RMS	34.48	-54.02	0.33	-95.23	58.13	-13.00	-43.31	Vertical
4	6642.00	-58.15	RMS	36.08	-53.81	0.36	-95.23	54.45	-13.00	-45.15	Vertical



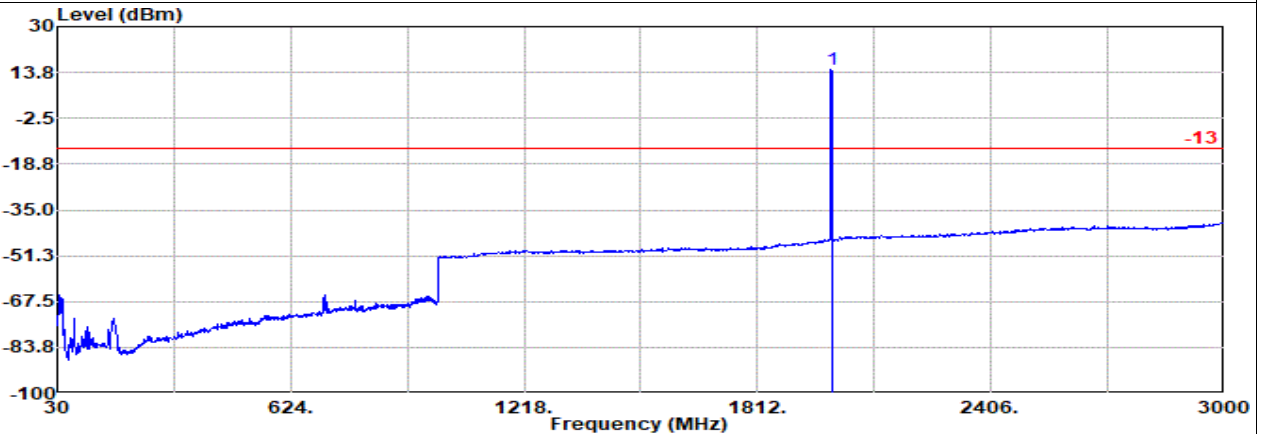
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Part 25 Mode 1
LTE B23 Ch25501
L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Horizontal
: LTE Band 23 20M Ch25501 1SC0 QPSK
: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 2000.10	-16.80	RMS	26.80	6.31	0.00	-95.23	45.32	-13.00	-3.80	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-240711 Vertical
: LTE Band 23 20M Ch25501 1SC0 QPSK
: #1 is fundamental signal which can be ignored.

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1 2000.10	14.76	RMS	26.80	6.31	0.00	-95.23	76.88	-13.00	27.76	Vertical

Remark: #1 is fundamental signal which can be ignored.