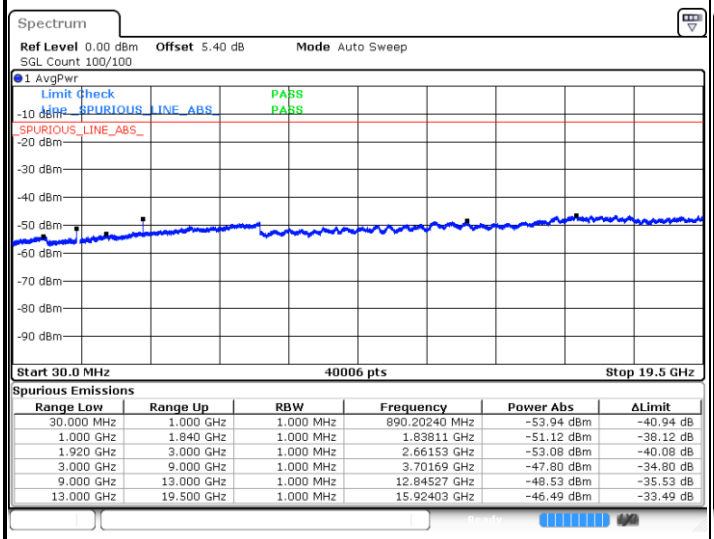
LTE Band 25 / 15MHz

Lowest Channel / 64QAM

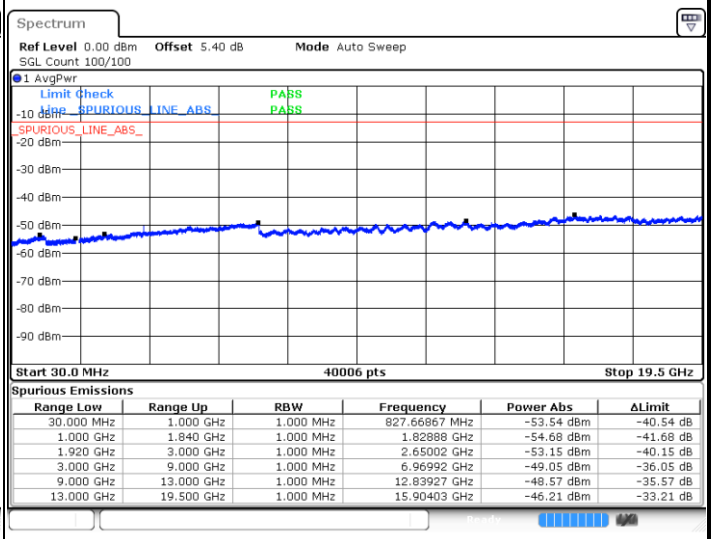


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	890.20240 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-51.12 dBm	-38.12 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.66153 GHz	-53.08 dBm	-40.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70169 GHz	-47.80 dBm	-34.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84527 GHz	-48.53 dBm	-35.53 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.92403 GHz	-46.49 dBm	-33.49 dB

Date: 29.JAN.2020 14:45:44

Middle Channel / 64QAM

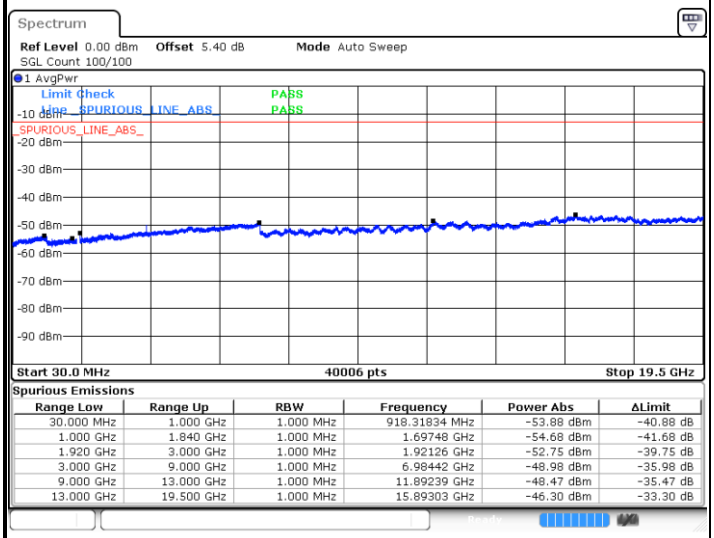


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	827.66867 MHz	-53.54 dBm	-40.54 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82888 GHz	-54.68 dBm	-41.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.65002 GHz	-53.15 dBm	-40.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96992 GHz	-49.05 dBm	-36.05 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.83927 GHz	-48.57 dBm	-35.57 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90403 GHz	-46.21 dBm	-33.21 dB

Date: 29.JAN.2020 14:50:19

Highest Channel / 64QAM



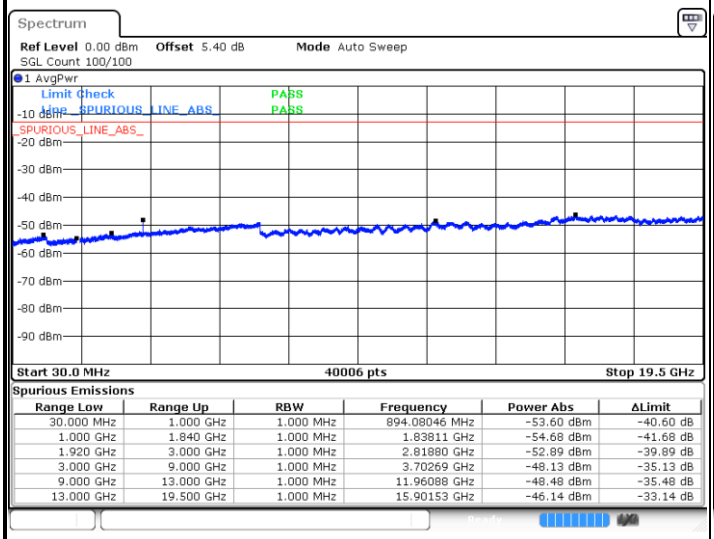
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	918.31834 MHz	-53.88 dBm	-40.88 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.69748 GHz	-54.68 dBm	-41.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92126 GHz	-52.75 dBm	-39.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98442 GHz	-48.98 dBm	-35.98 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.89239 GHz	-48.47 dBm	-35.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.89303 GHz	-46.30 dBm	-33.30 dB

Date: 29.JAN.2020 15:00:02

LTE Band 25 / 20MHz

Lowest Channel / 64QAM

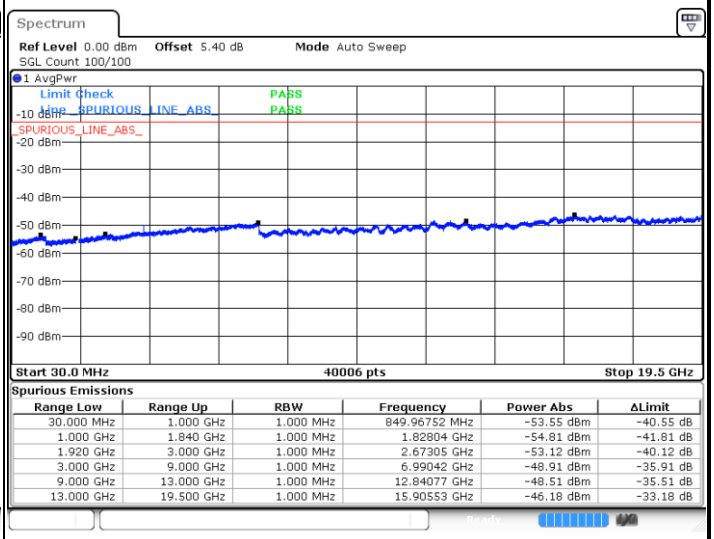


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	894.08046 MHz	-53.60 dBm	-40.60 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83811 GHz	-54.68 dBm	-41.68 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.81880 GHz	-52.89 dBm	-39.89 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.70269 GHz	-48.13 dBm	-35.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.96088 GHz	-48.48 dBm	-35.48 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90153 GHz	-46.14 dBm	-33.14 dB

Date: 29.JAN.2020 15:10:34

Middle Channel / 64QAM

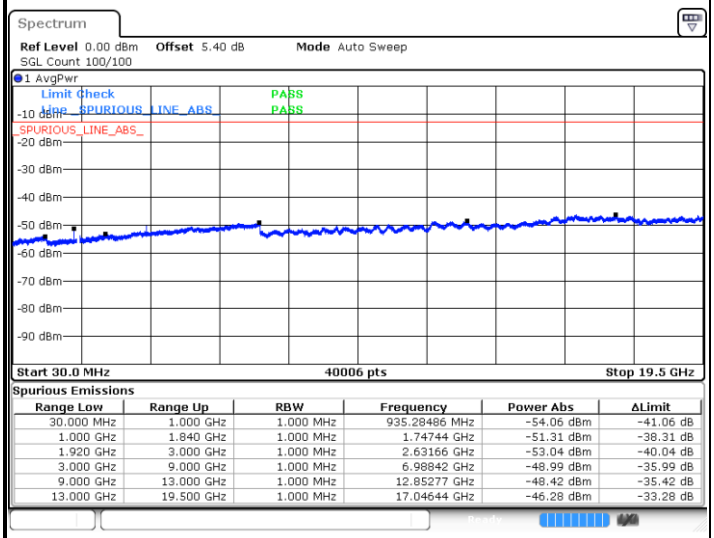


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	849.96752 MHz	-53.55 dBm	-40.55 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.82804 GHz	-54.81 dBm	-41.81 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.67305 GHz	-53.12 dBm	-40.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-48.91 dBm	-35.91 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.84077 GHz	-48.51 dBm	-35.51 dB
13.000 GHz	19.500 GHz	1.000 MHz	15.90553 GHz	-46.18 dBm	-33.18 dB

Date: 29.JAN.2020 15:15:09

Highest Channel / 64QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-54.06 dBm	-41.06 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.74744 GHz	-51.31 dBm	-38.31 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.63166 GHz	-53.04 dBm	-40.04 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-48.99 dBm	-35.99 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.85277 GHz	-48.42 dBm	-35.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.04644 GHz	-46.28 dBm	-33.28 dB

Date: 29.JAN.2020 15:24:52

Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

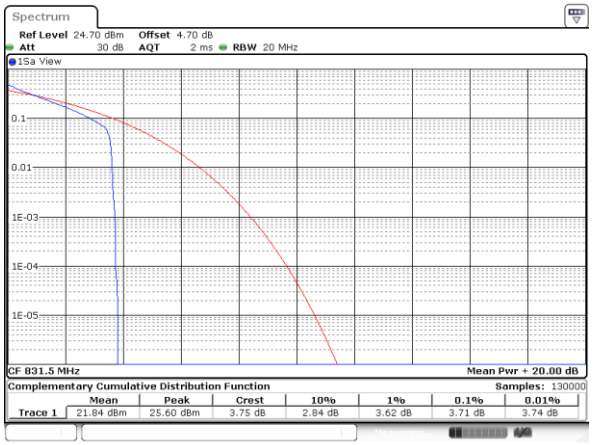
LTE Band 26

Peak-to-Average Ratio

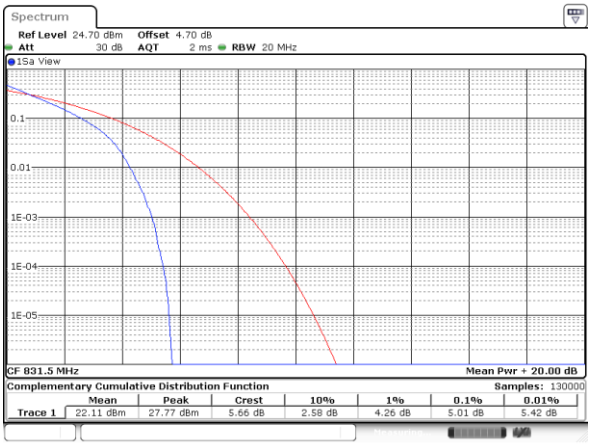
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.71	5.01	5.48	6.26	PASS
Middle CH	3.77	4.75	5.36	6.06	
Highest CH	3.83	4.67	5.62	6.00	
Mode	LTE Band 26 / 15MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.75	6.93	-	-	PASS
Middle CH	6.90	6.78	-	-	
Highest CH	6.43	6.55	-	-	

LTE Band 26 / 15MHz / QPSK

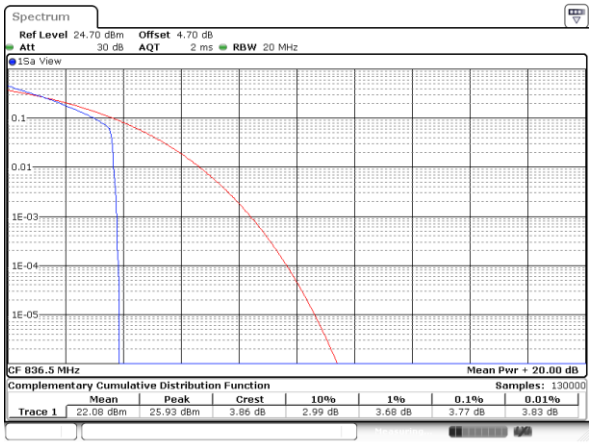
Lowest Channel / 1RB



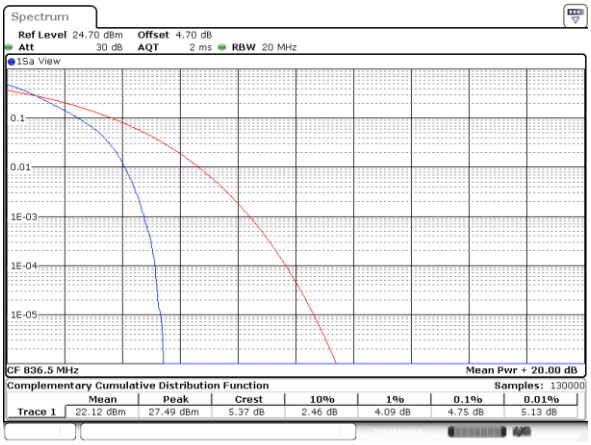
Lowest Channel / Full RB



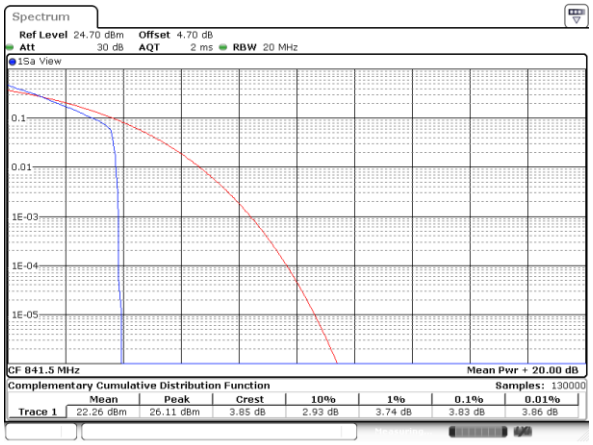
Middle Channel / 1RB



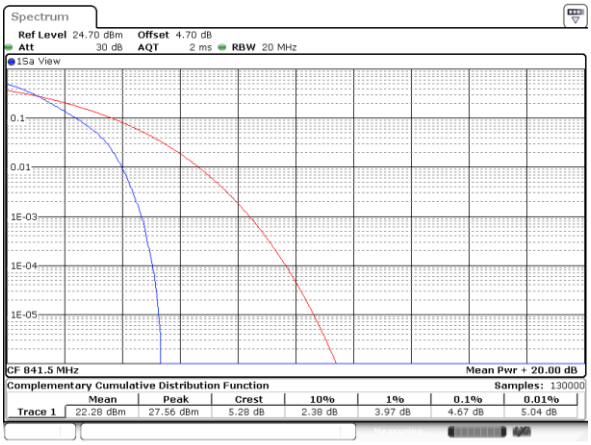
Middle Channel / Full RB



Highest Channel / 1RB

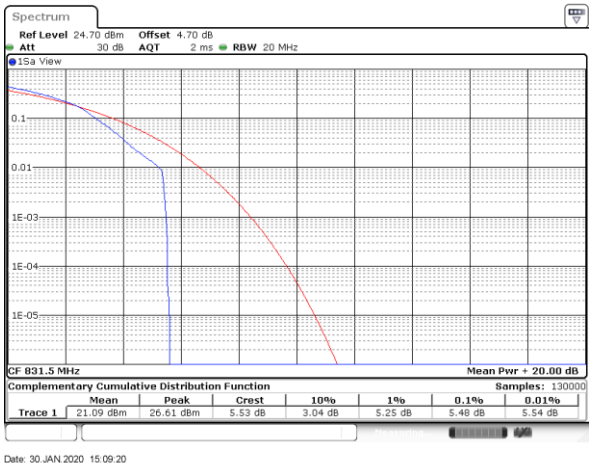


Highest Channel / Full RB

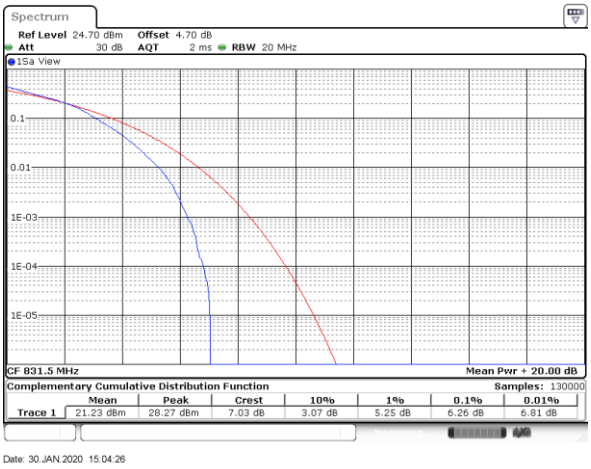


LTE Band 26 / 15MHz / 16QAM

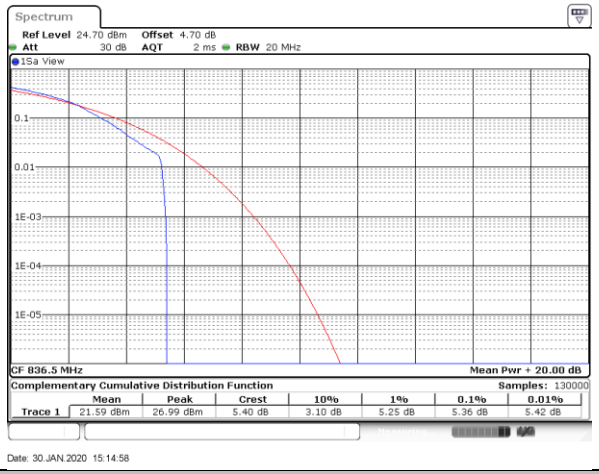
Lowest Channel / 1RB



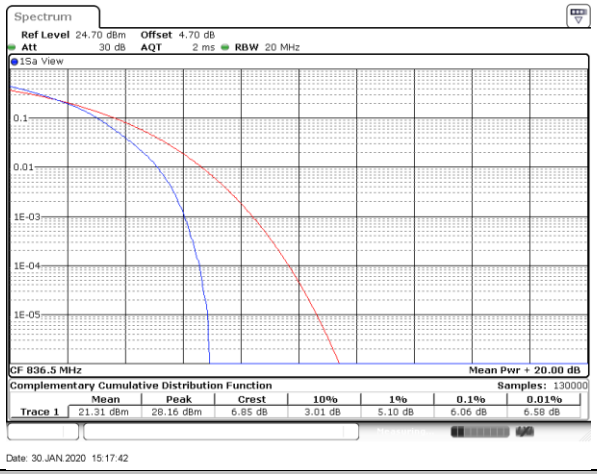
Lowest Channel / Full RB



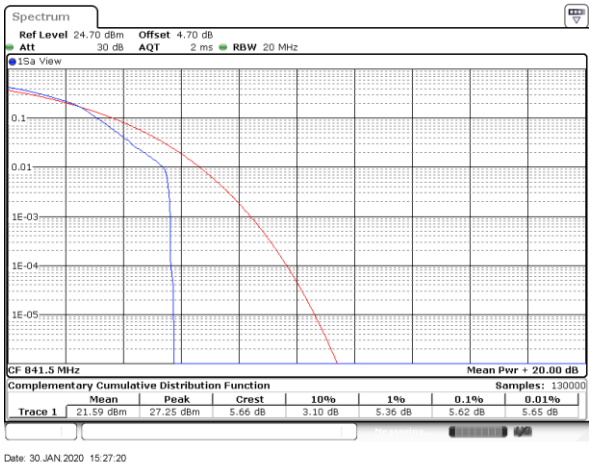
Middle Channel / 1RB



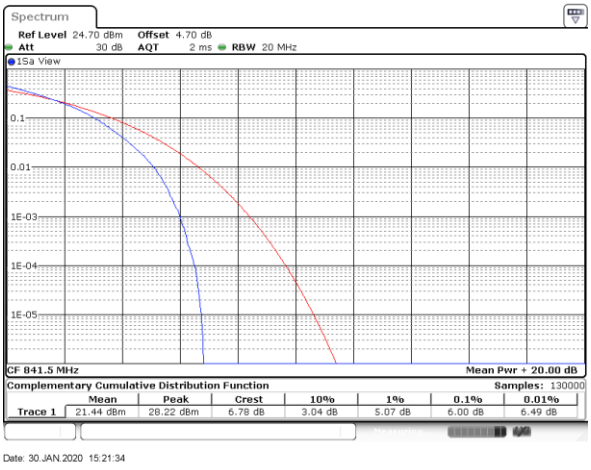
Middle Channel / Full RB



Highest Channel / 1RB

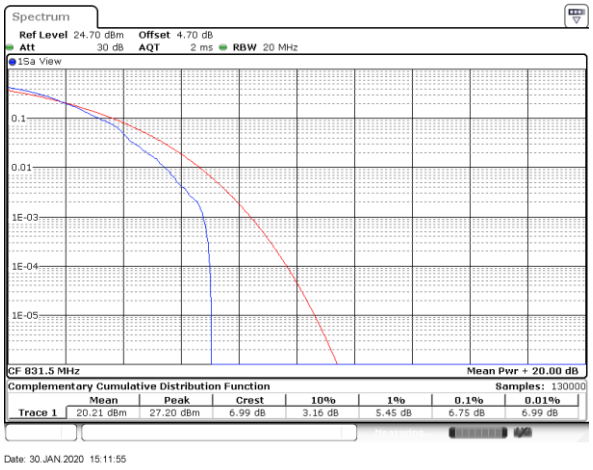


Highest Channel / Full RB

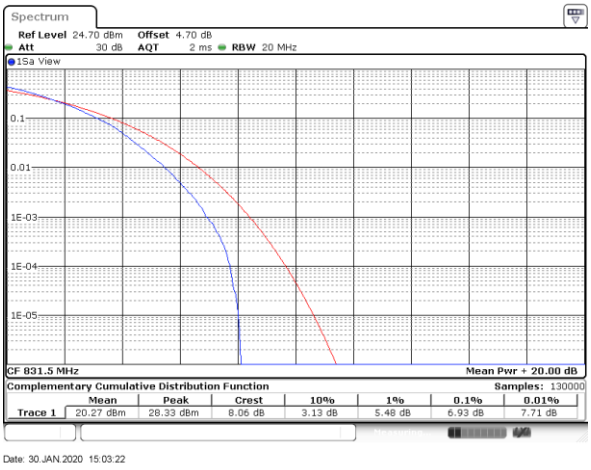


LTE Band 26 / 15MHz / 64QAM

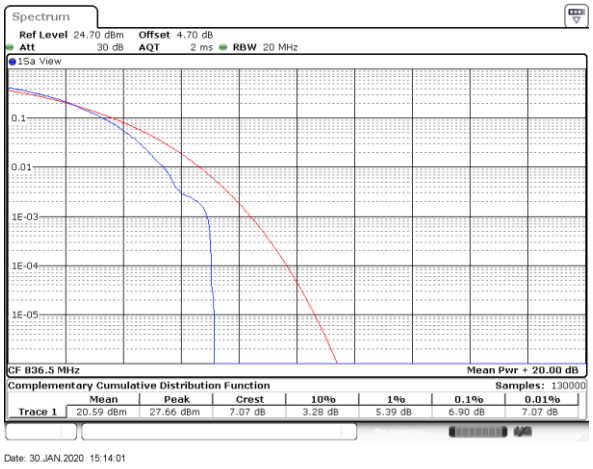
Lowest Channel / 1RB



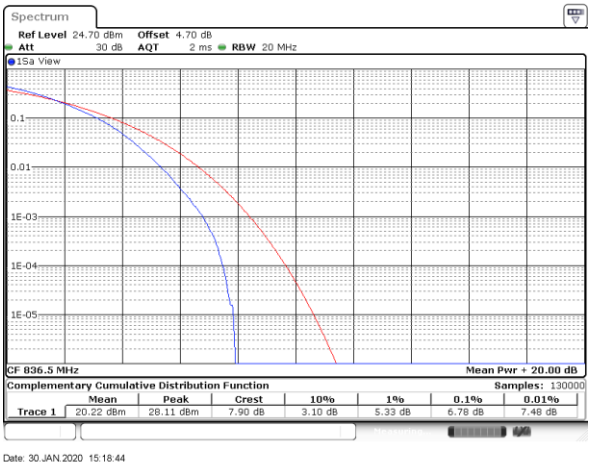
Lowest Channel / Full RB



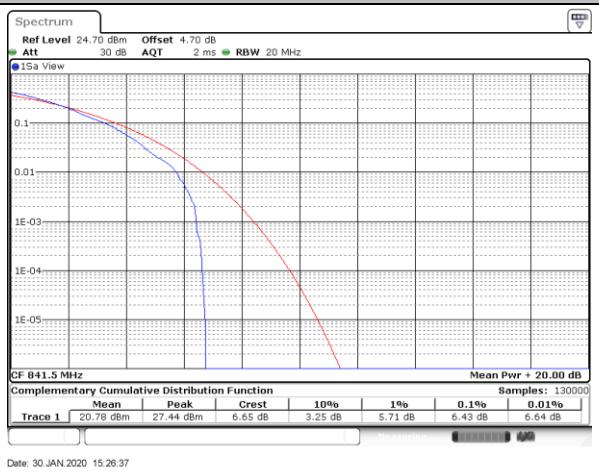
Middle Channel / 1RB



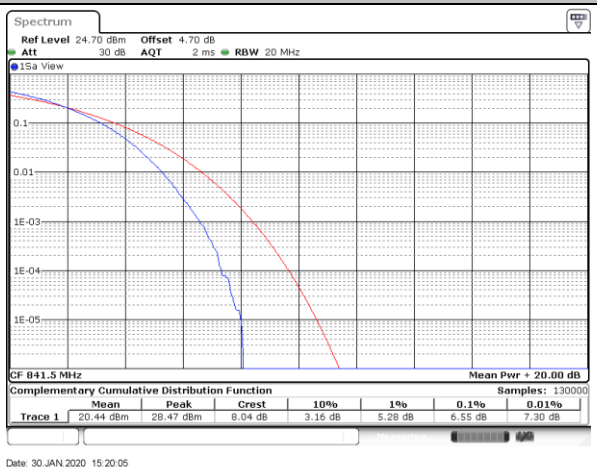
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

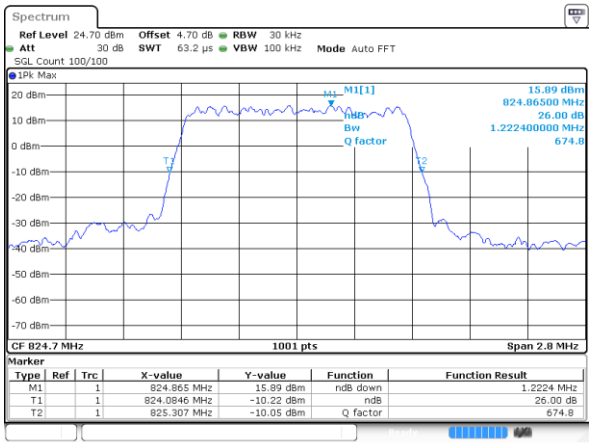


26dB Bandwidth

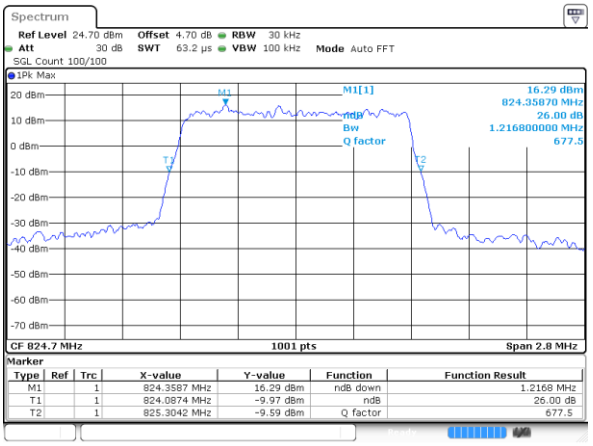
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.22	3.06	3.07	4.89	4.97	9.63	9.77	14.39	14.36	-	-
Middle CH	1.23	1.23	3.07	3.03	4.97	4.91	9.79	9.75	14.39	14.27	-	-
Highest CH	1.23	1.23	3.03	3.04	4.86	4.91	9.87	9.83	14.45	14.18	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.22	-	2.99	-	4.97	-	9.79	-	14.48	-	-	-
Middle CH	1.22	-	2.99	-	4.91	-	9.71	-	14.48	-	-	-
Highest CH	1.23	-	3.00	-	4.88	-	9.75	-	14.57	-	-	-

LTE Band 26

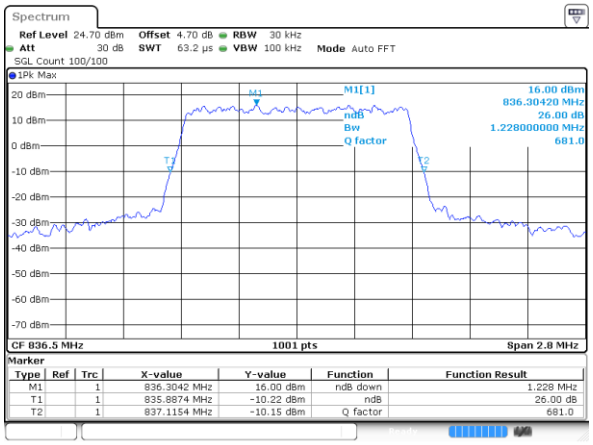
Lowest Channel / 1.4MHz / QPSK



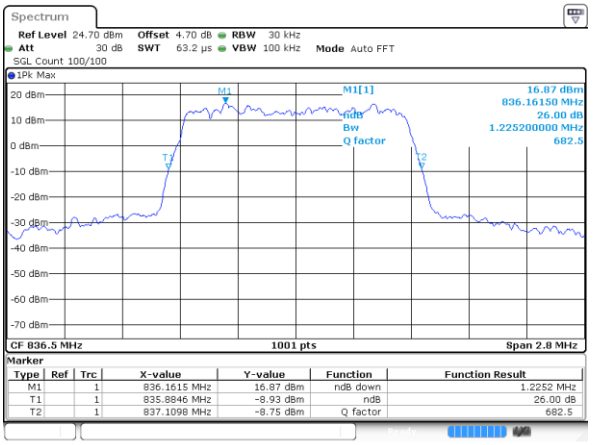
Lowest Channel / 1.4MHz / 16QAM



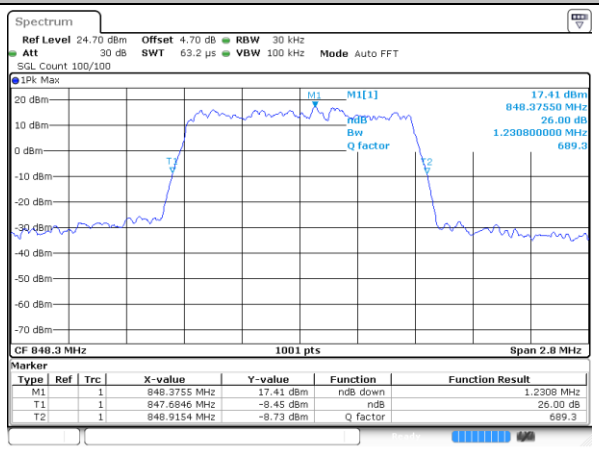
Middle Channel / 1.4MHz / QPSK



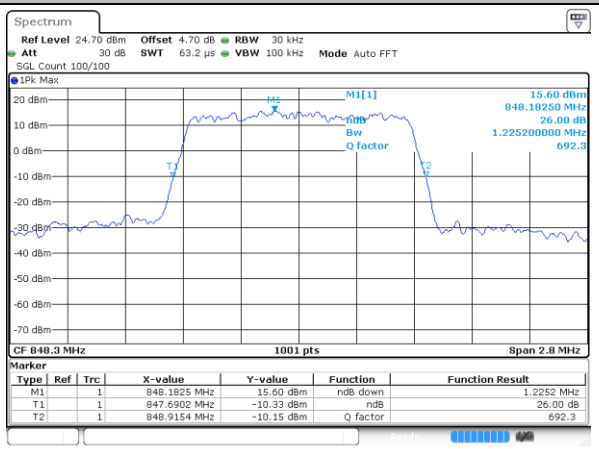
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

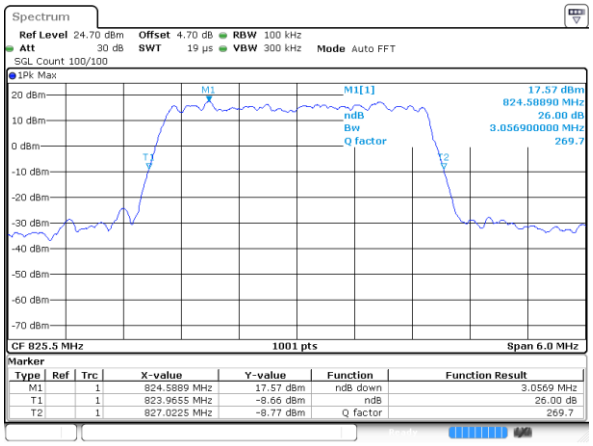


Highest Channel / 1.4MHz / 16QAM

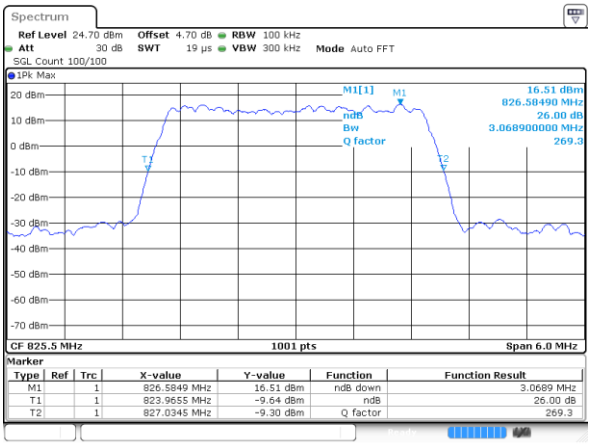


LTE Band 26

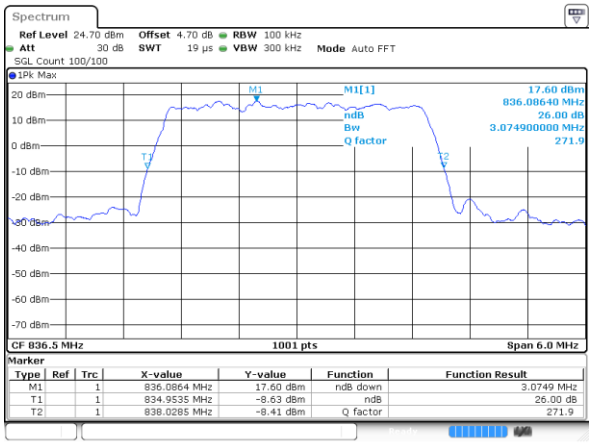
Lowest Channel / 3MHz / QPSK



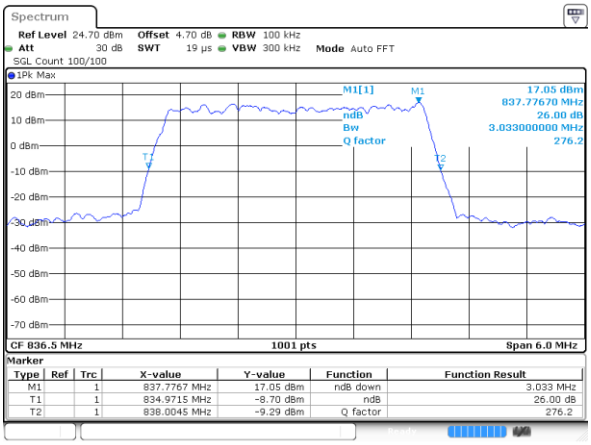
Lowest Channel / 3MHz / 16QAM



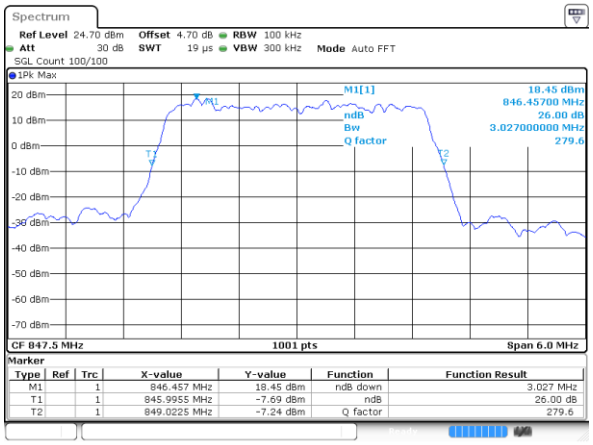
Middle Channel / 3MHz / QPSK



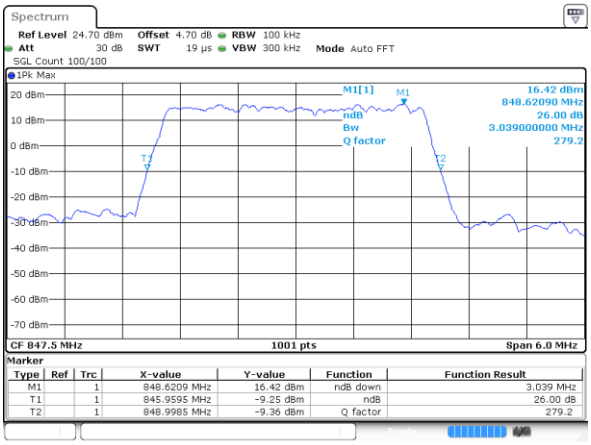
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

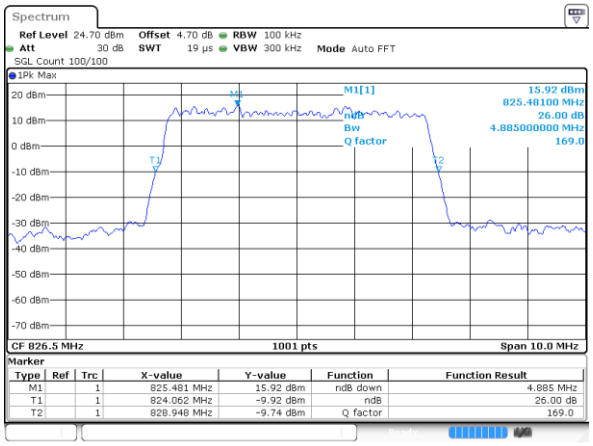


Highest Channel / 3MHz / 16QAM

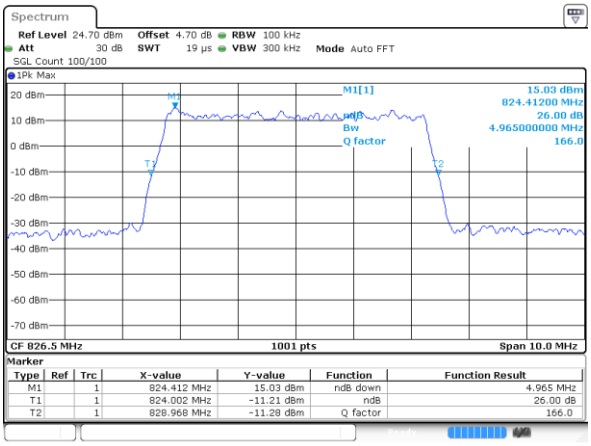


LTE Band 26

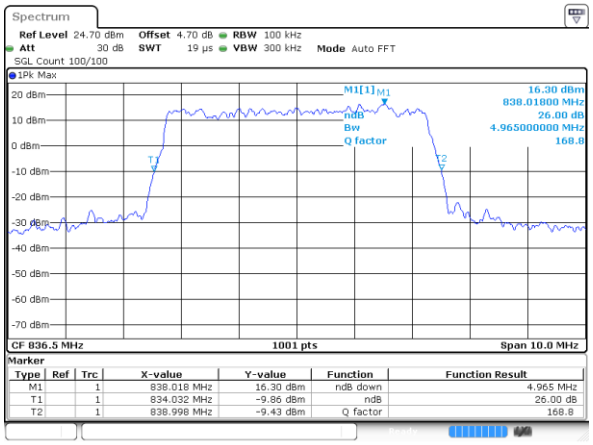
Lowest Channel / 5MHz / QPSK



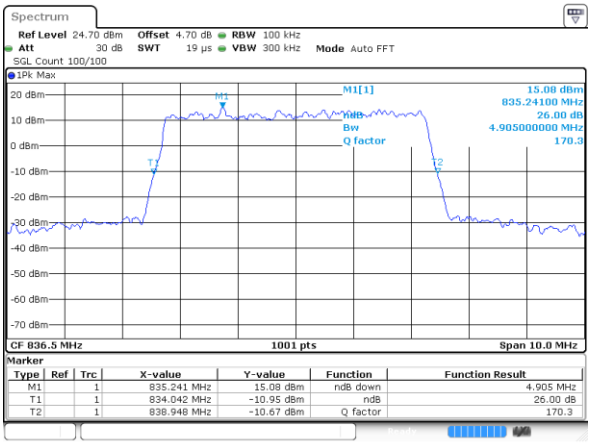
Lowest Channel / 5MHz / 16QAM



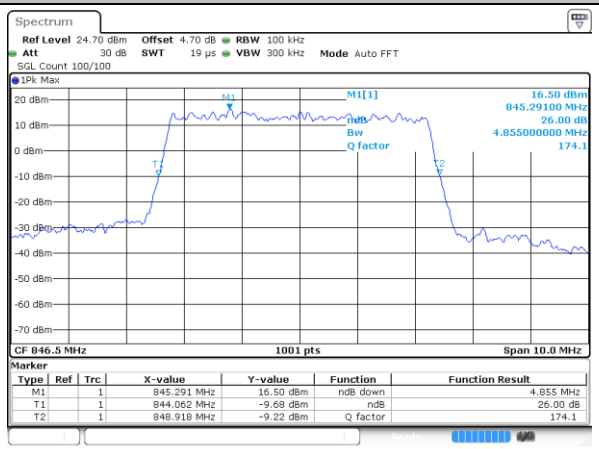
Middle Channel / 5MHz / QPSK



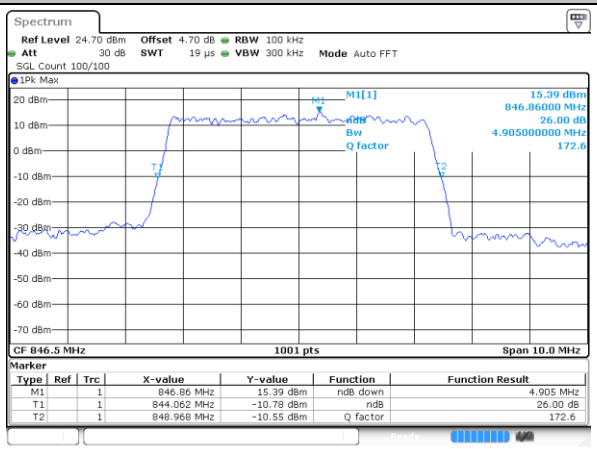
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

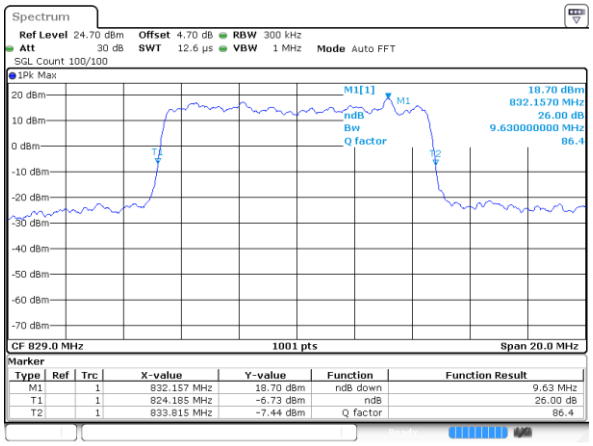


Highest Channel / 5MHz / 16QAM

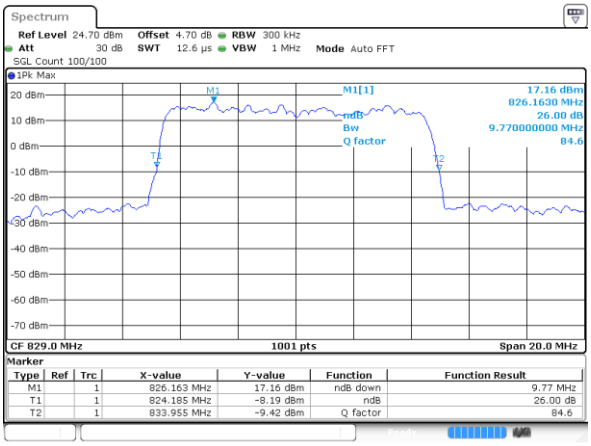


LTE Band 26

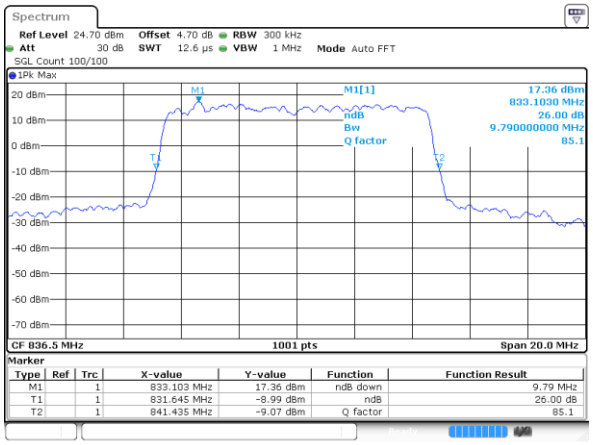
Lowest Channel / 10MHz / QPSK



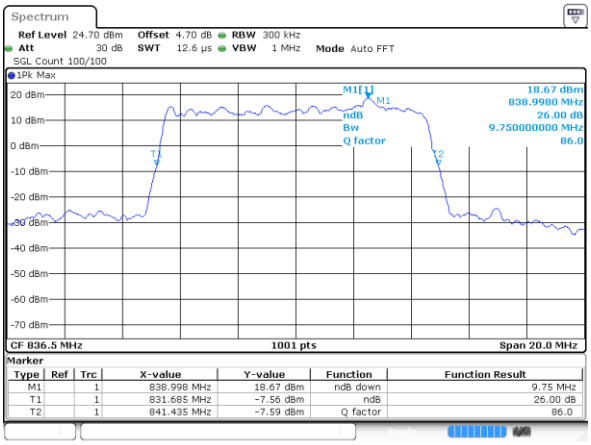
Lowest Channel / 10MHz / 16QAM



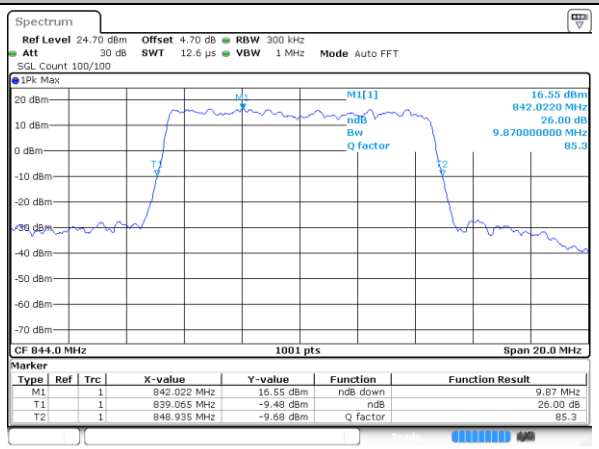
Middle Channel / 10MHz / QPSK



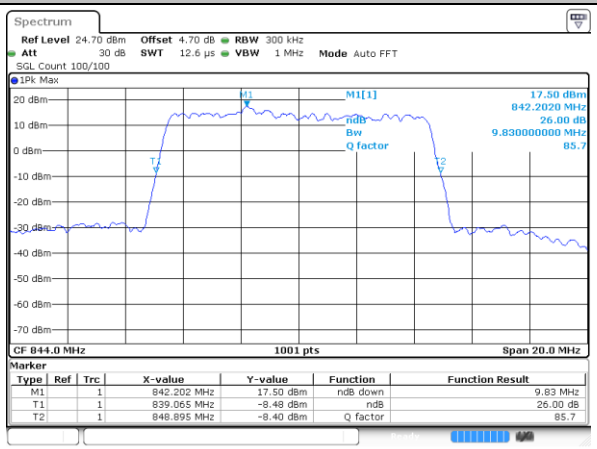
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

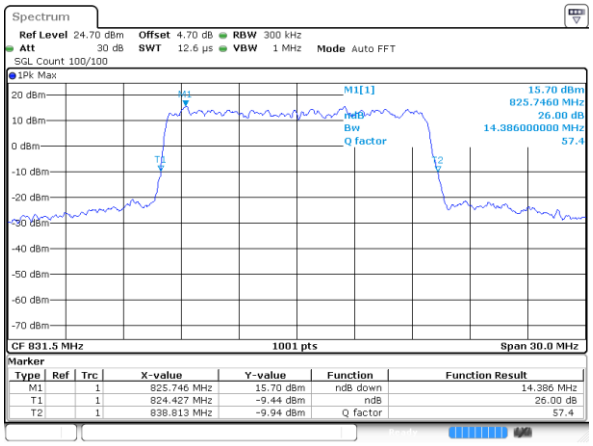


Highest Channel / 10MHz / 16QAM

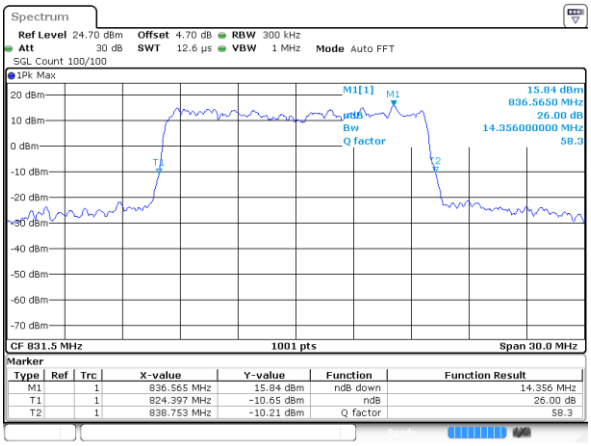


LTE Band 26

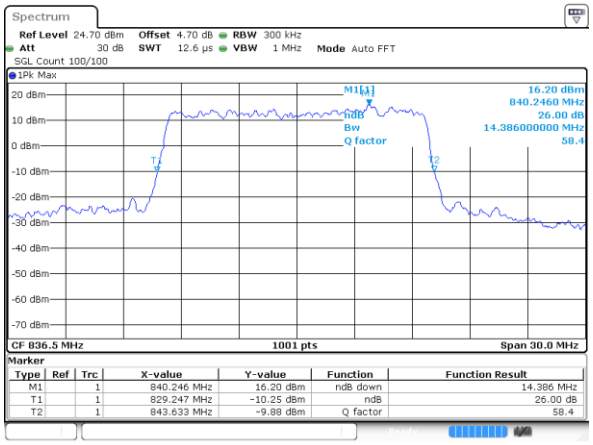
Lowest Channel / 15MHz / QPSK



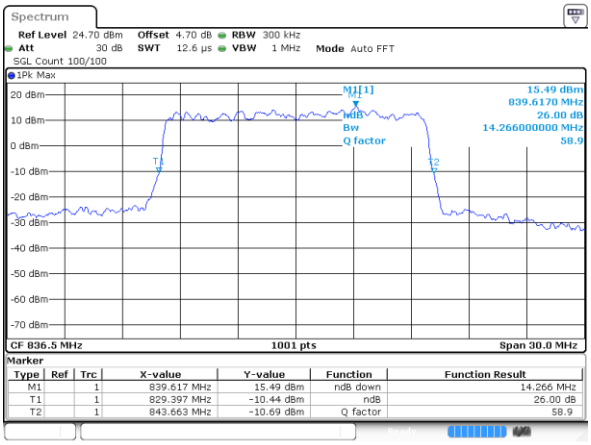
Lowest Channel / 15MHz / 16QAM



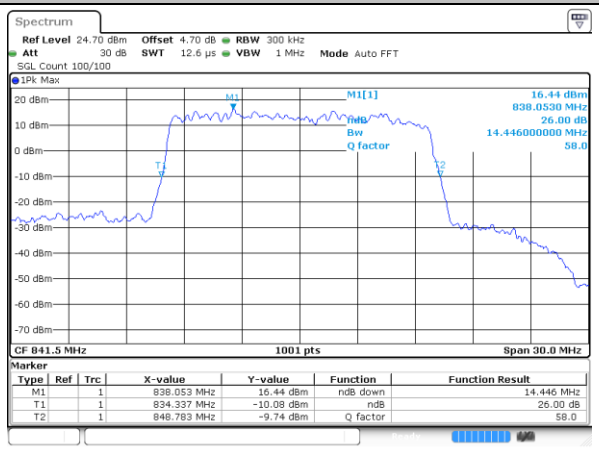
Middle Channel / 15MHz / QPSK



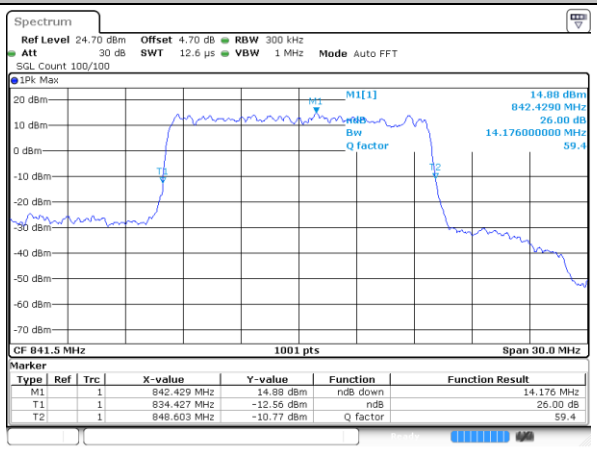
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

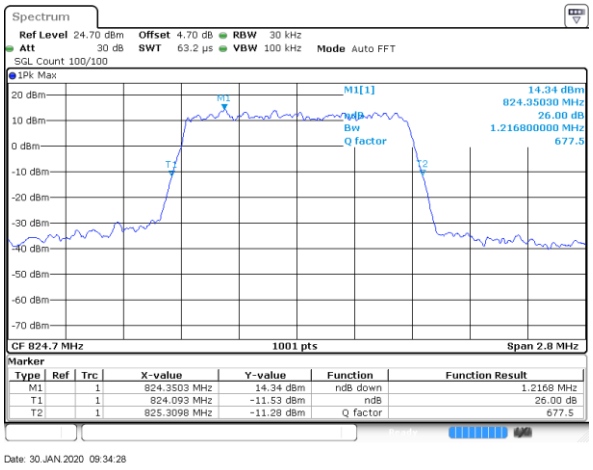


Highest Channel / 15MHz / 16QAM

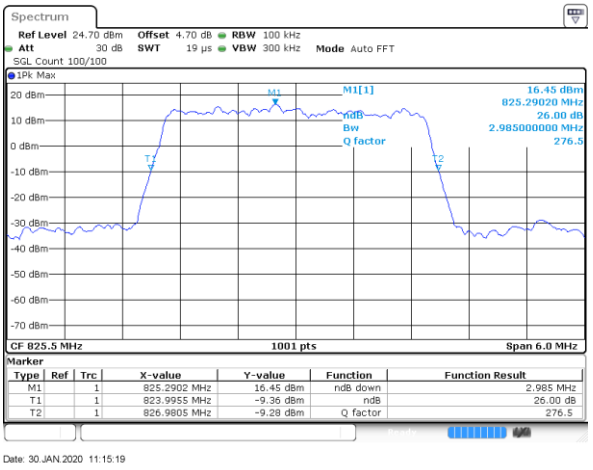


LTE Band 26

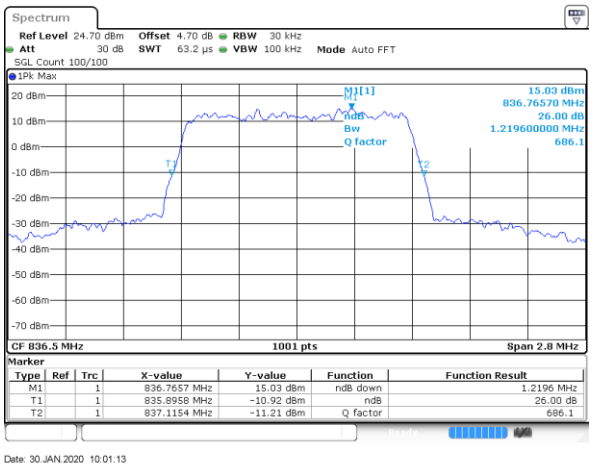
Lowest Channel / 1.4MHz / 64QAM



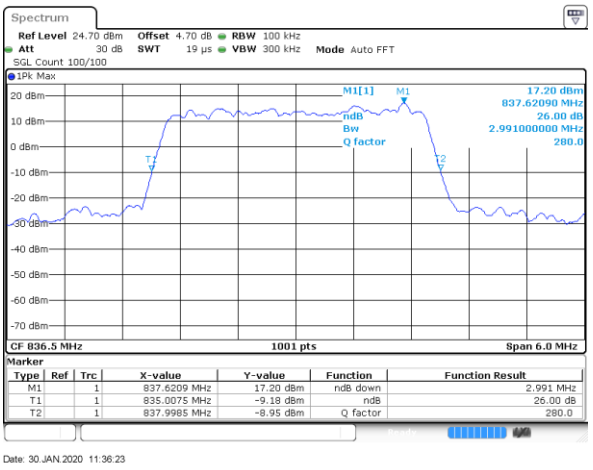
Lowest Channel / 3MHz / 64QAM



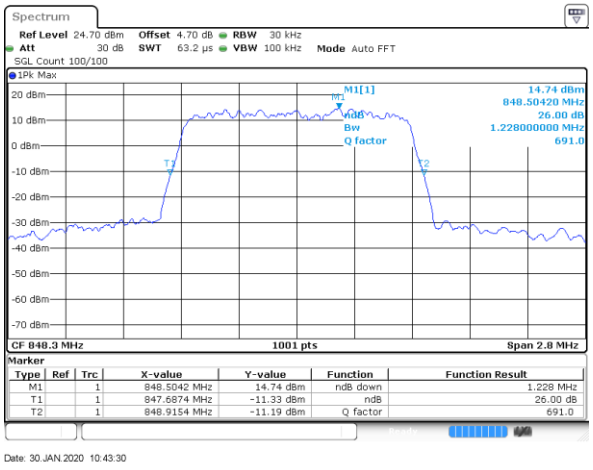
Middle Channel / 1.4MHz / 64QAM



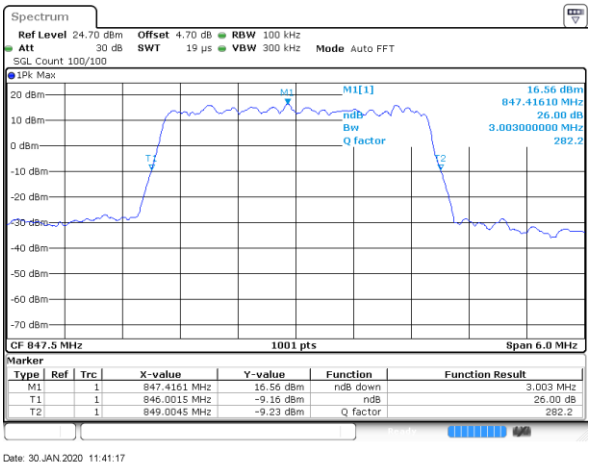
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

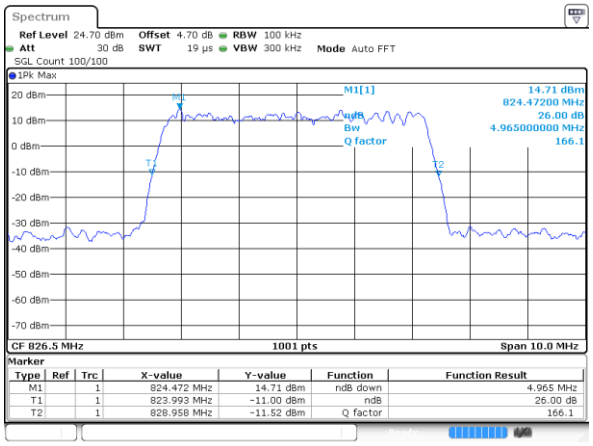


Highest Channel / 3MHz / 64QAM

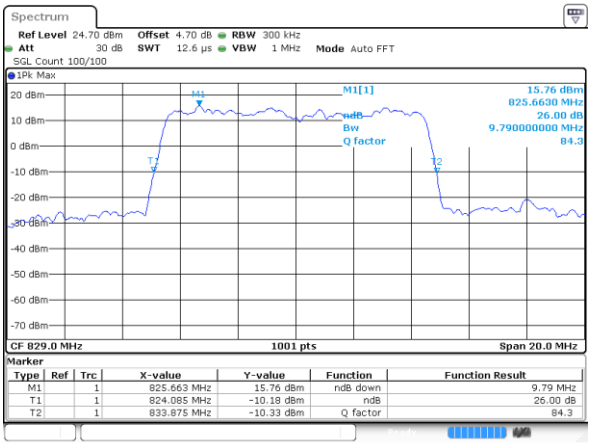


LTE Band 26

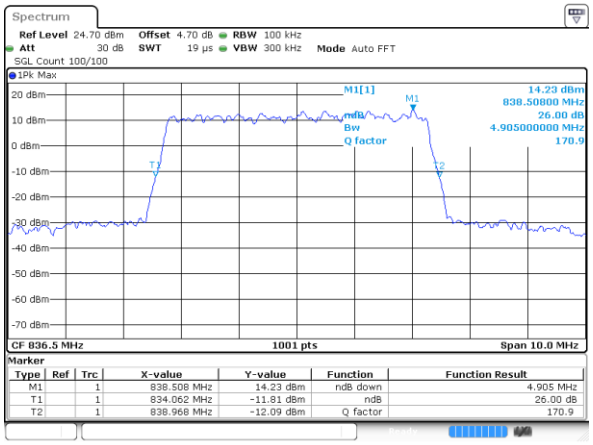
Lowest Channel / 5MHz / 64QAM



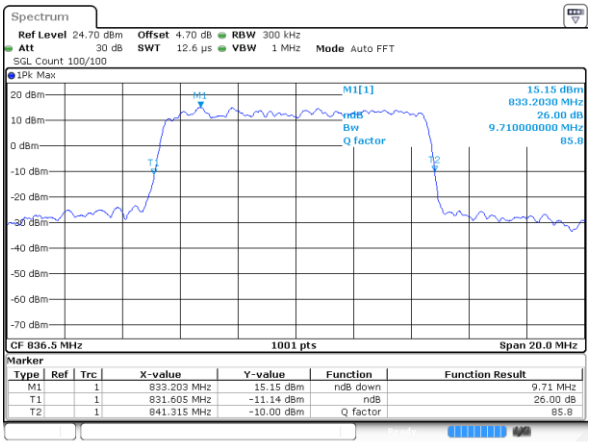
Lowest Channel / 10MHz / 64QAM



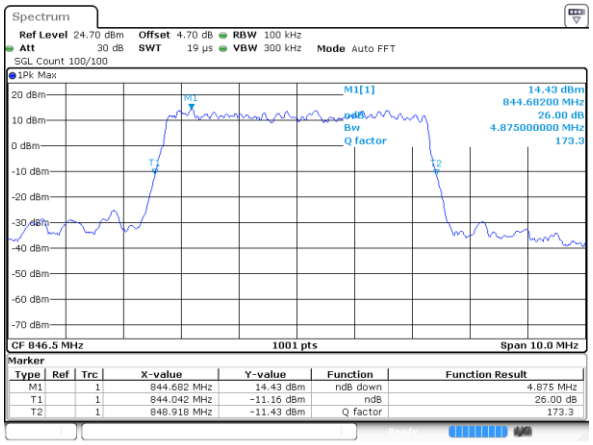
Middle Channel / 5MHz / 64QAM



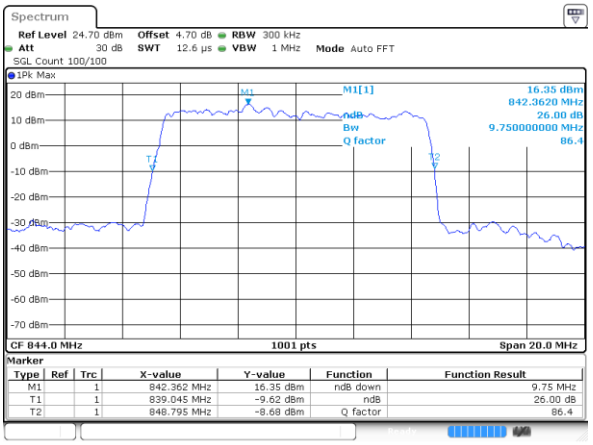
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM

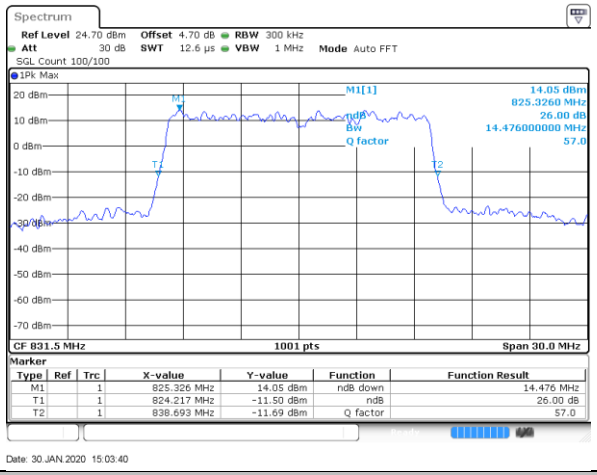


Highest Channel / 10MHz / 64QAM

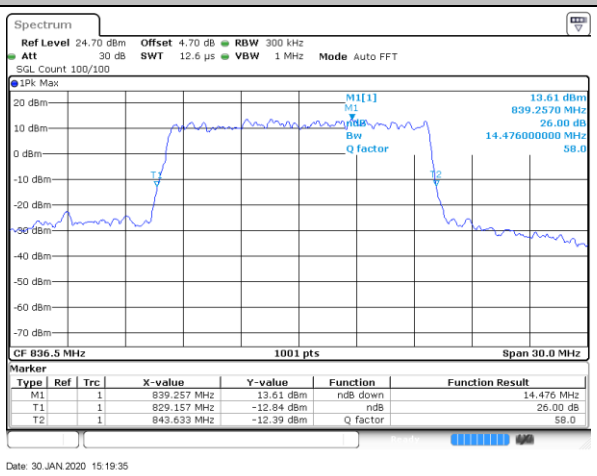


LTE Band 26

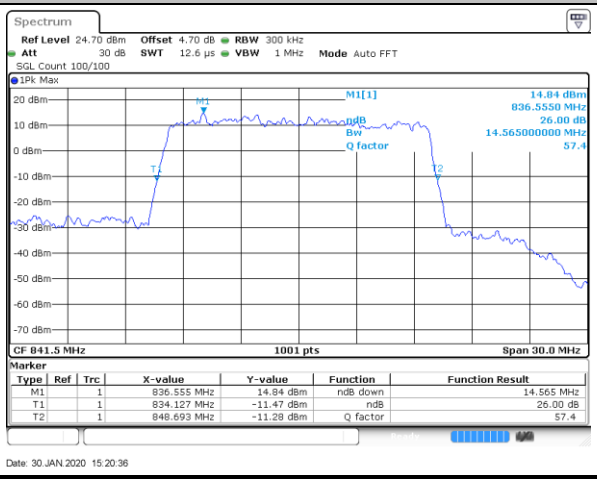
Lowest Channel / 15MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Highest Channel / 15MHz / 64QAM

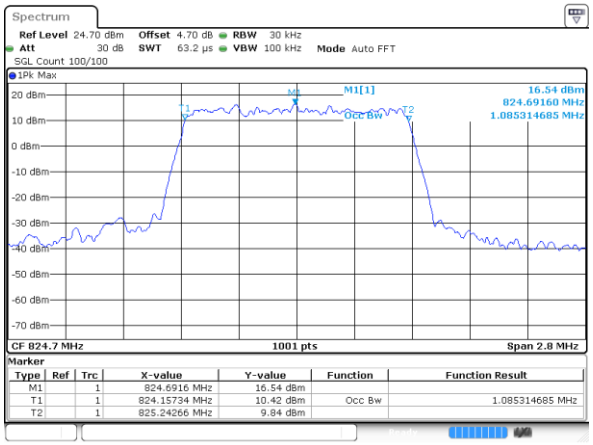


Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.70	2.73	4.48	4.48	9.17	9.05	13.49	13.43	13.40	13.40
Middle CH	1.08	1.09	2.72	2.74	4.49	4.49	9.09	9.01	13.49	13.46	-	-
Highest CH	1.09	1.09	2.71	2.72	4.51	4.49	9.01	9.03	13.43	13.37	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		CH26765	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.50	-	8.97	-	13.43	-	13.46	-
Middle CH	1.09	-	2.72	-	4.49	-	9.01	-	13.40	-	-	-
Highest CH	1.09	-	2.71	-	4.49	-	8.97	-	13.40	-	-	-

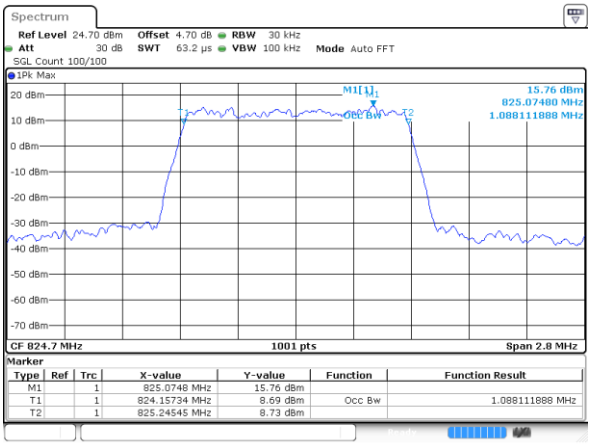
LTE Band 26

Lowest Channel / 1.4MHz / QPSK



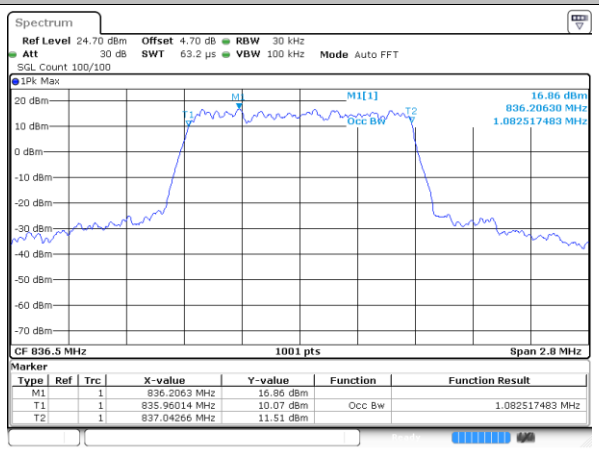
Date: 30.JAN.2020 09:33:38

Lowest Channel / 1.4MHz / 16QAM



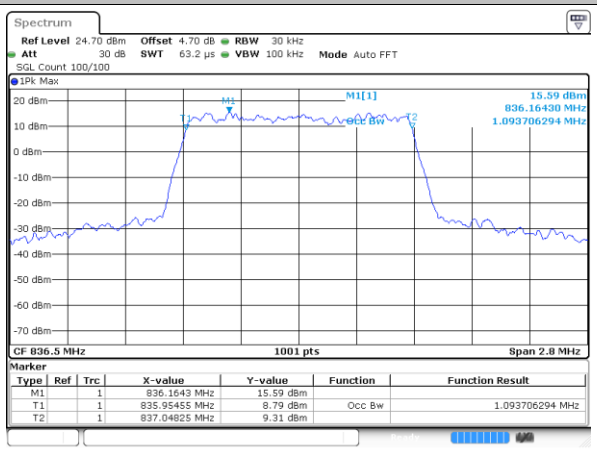
Date: 30.JAN.2020 09:33:58

Middle Channel / 1.4MHz / QPSK



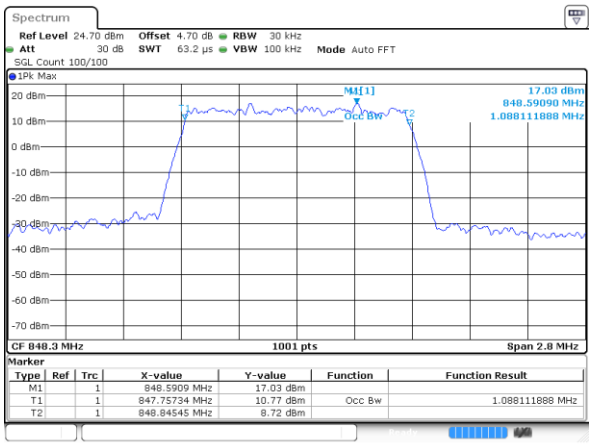
Date: 30.JAN.2020 10:03:41

Middle Channel / 1.4MHz / 16QAM



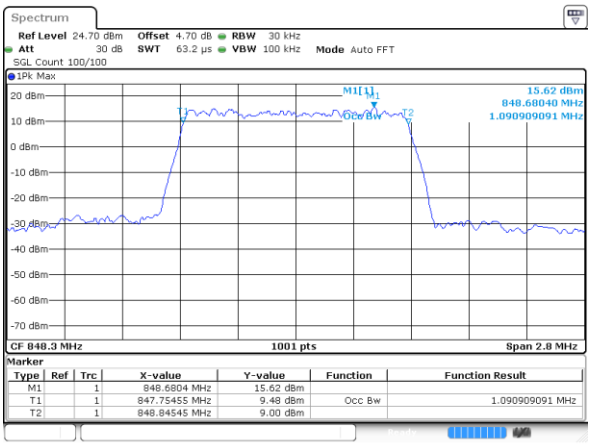
Date: 30.JAN.2020 10:02:09

Highest Channel / 1.4MHz / QPSK



Date: 30.JAN.2020 10:38:00

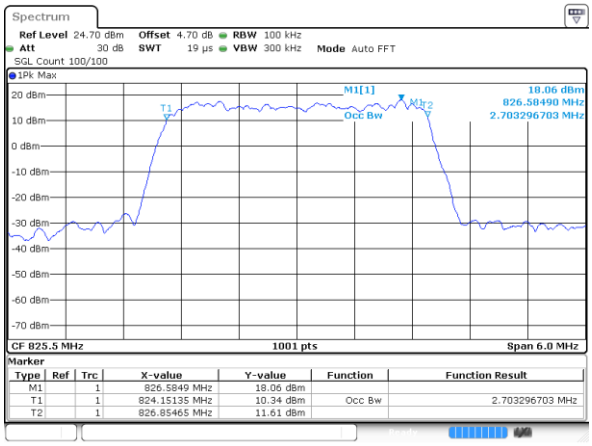
Highest Channel / 1.4MHz / 16QAM



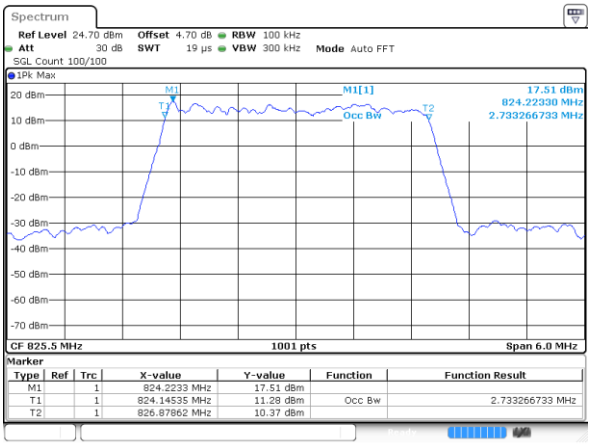
Date: 30.JAN.2020 10:41:10

LTE Band 26

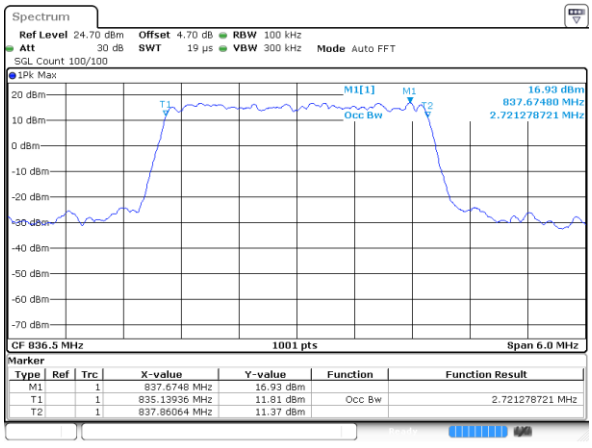
Lowest Channel / 3MHz / QPSK



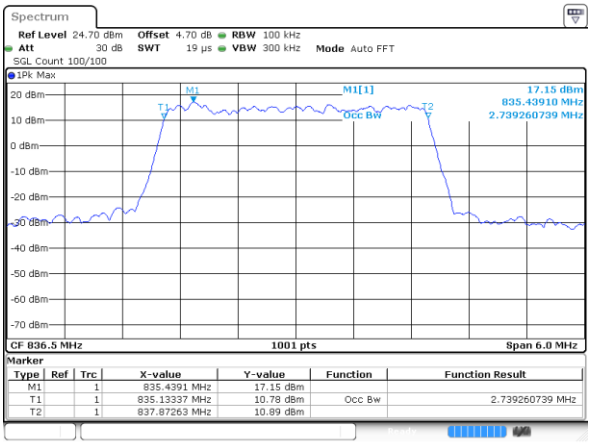
Lowest Channel / 3MHz / 16QAM



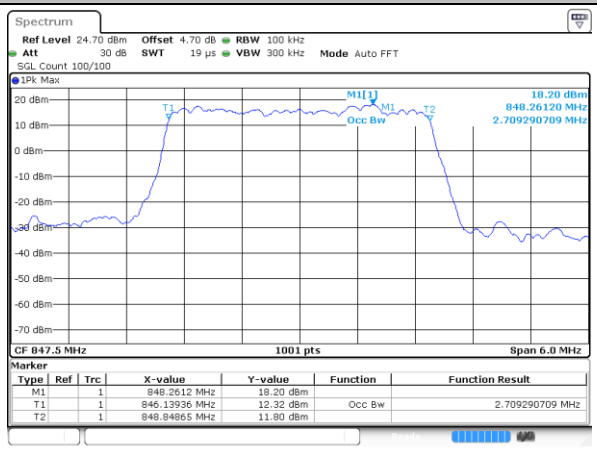
Middle Channel / 3MHz / QPSK



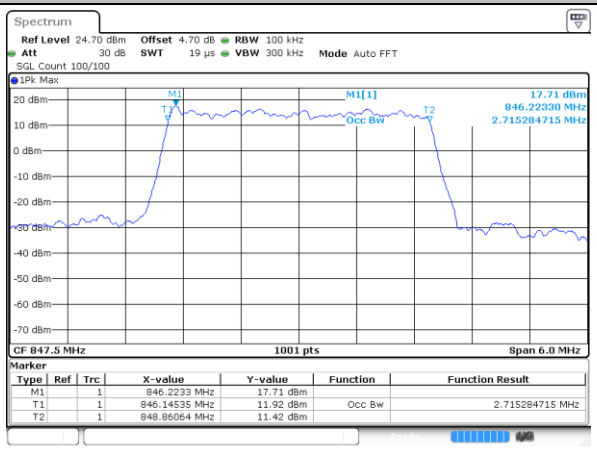
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

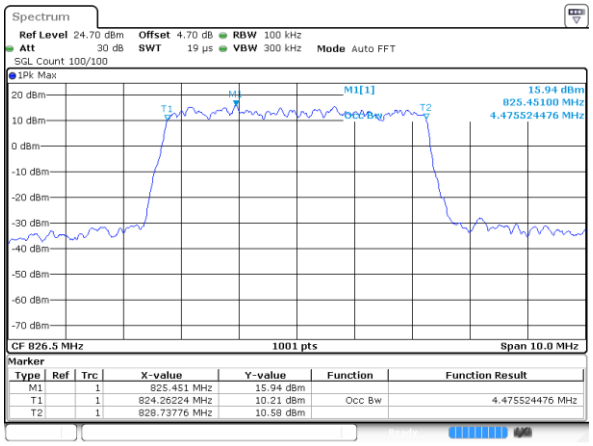


Highest Channel / 3MHz / 16QAM

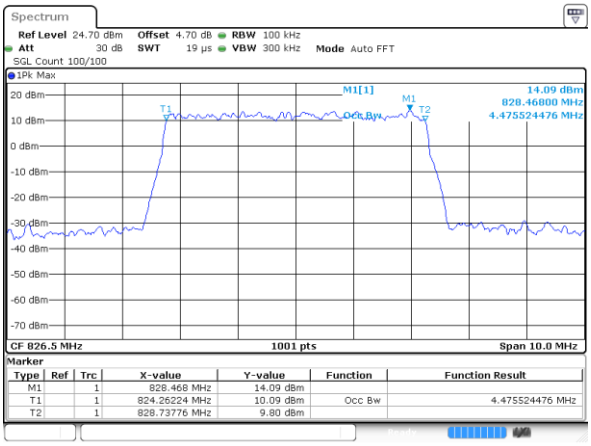


LTE Band 26

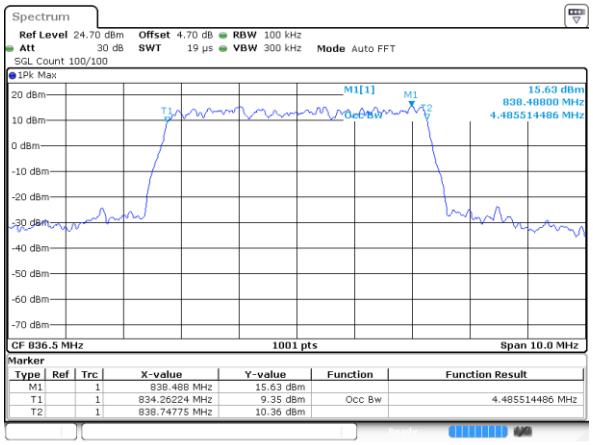
Lowest Channel / 5MHz / QPSK



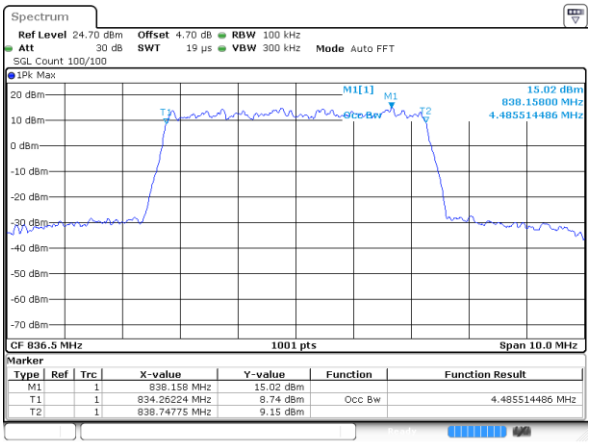
Lowest Channel / 5MHz / 16QAM



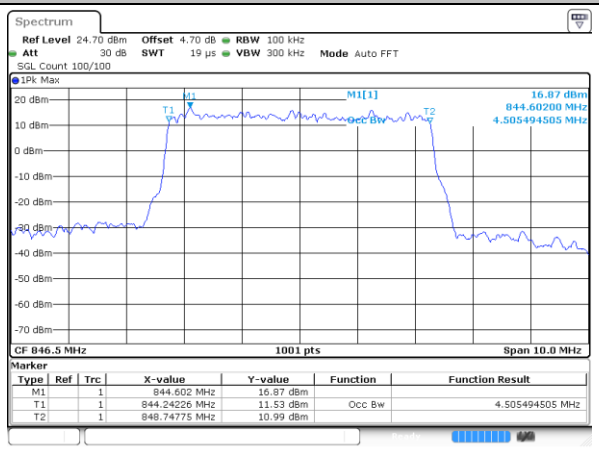
Middle Channel / 5MHz / QPSK



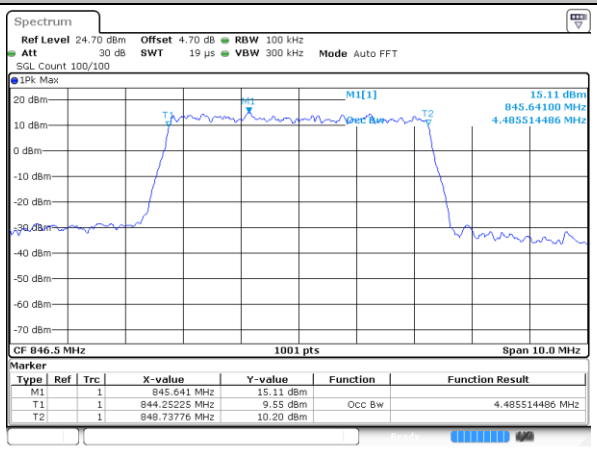
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

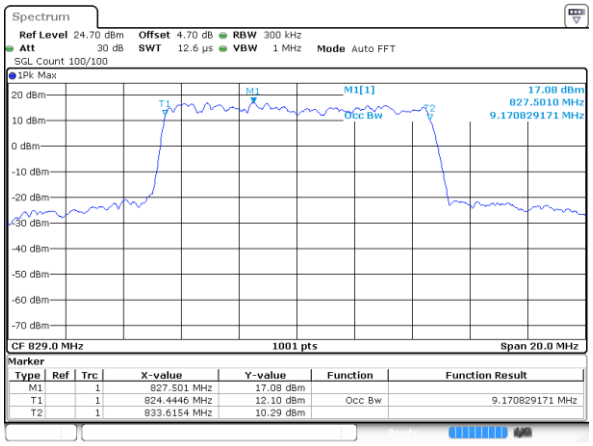


Highest Channel / 5MHz / 16QAM



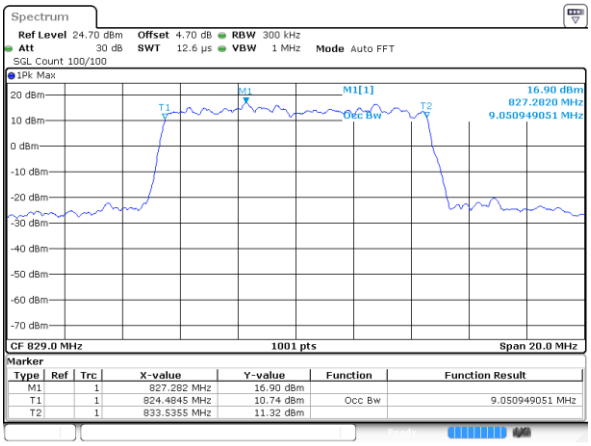
LTE Band 26

Lowest Channel / 10MHz / QPSK



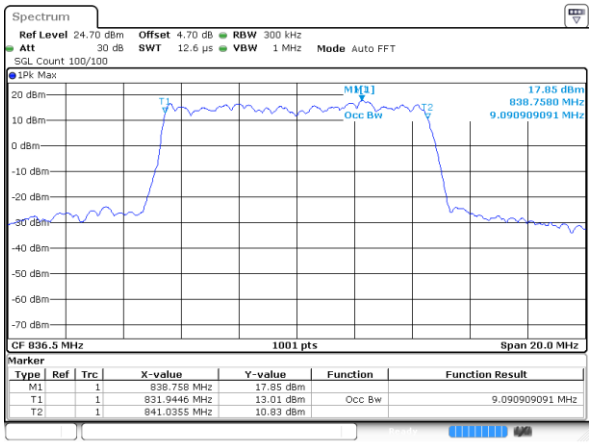
Date: 30.JAN.2020 14:37:43

Lowest Channel / 10MHz / 16QAM



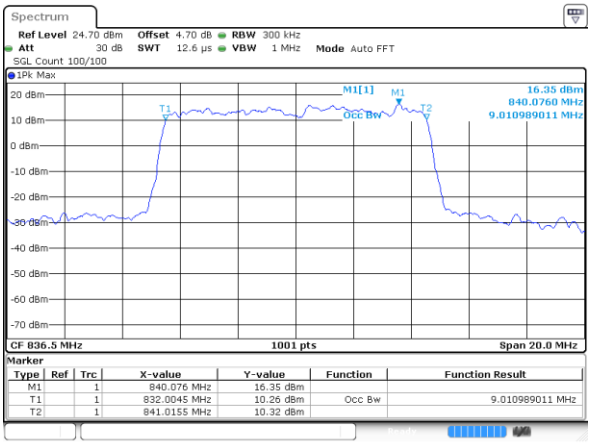
Date: 30.JAN.2020 14:38:42

Middle Channel / 10MHz / QPSK



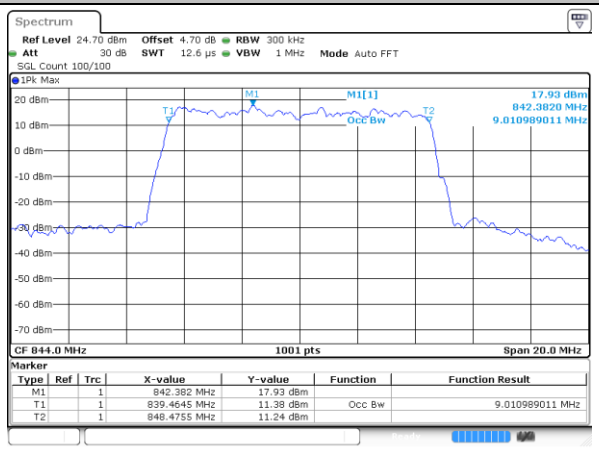
Date: 30.JAN.2020 14:54:56

Middle Channel / 10MHz / 16QAM



Date: 30.JAN.2020 14:54:28

Highest Channel / 10MHz / QPSK



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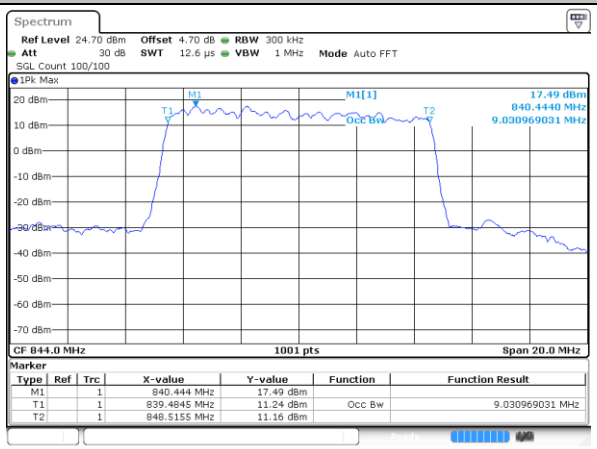
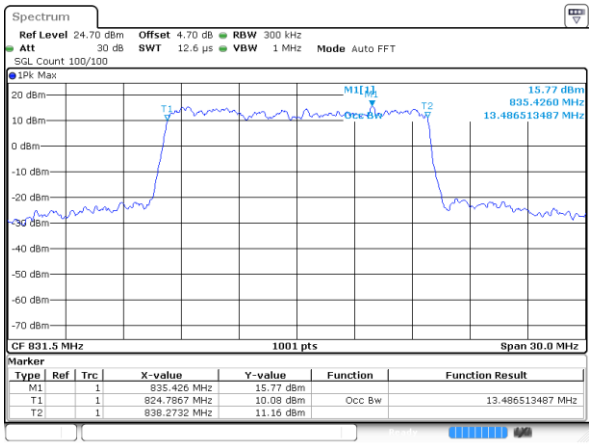
Highest Channel / 10MHz / 16QAM



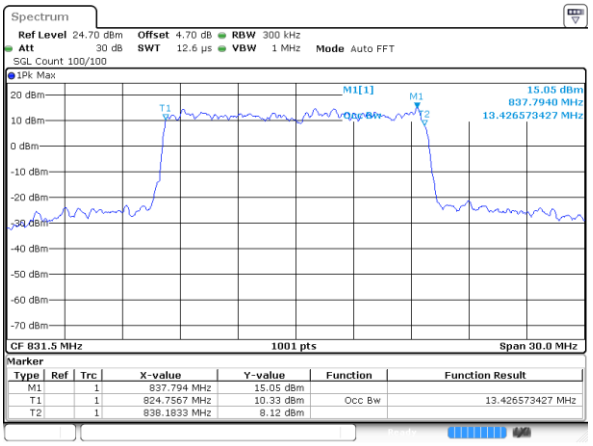
Date: 30.JAN.2020 14:56:33

LTE Band 26

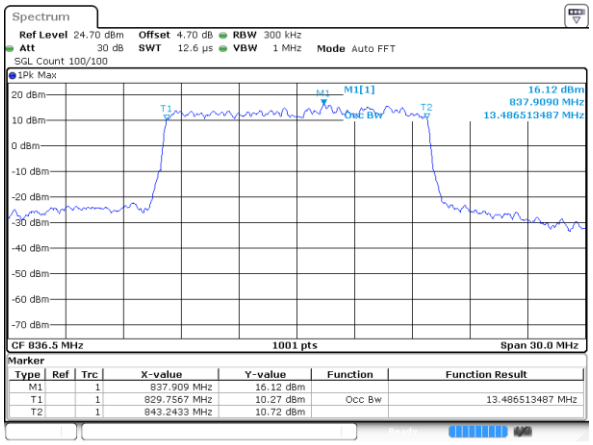
Lowest Channel / 15MHz / QPSK



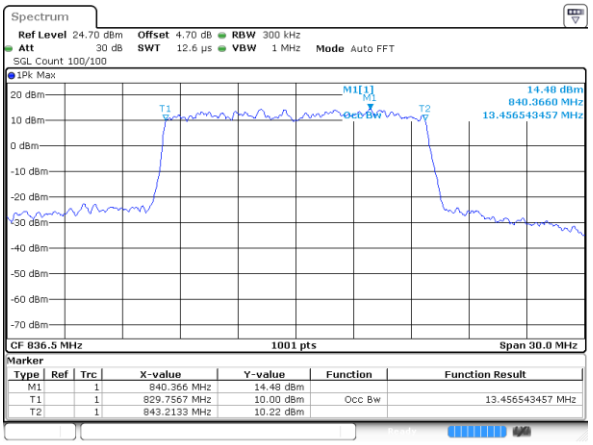
Lowest Channel / 15MHz / 16QAM



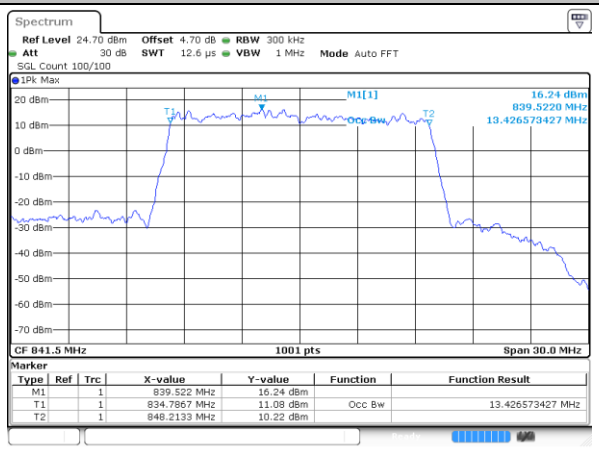
Middle Channel / 15MHz / QPSK



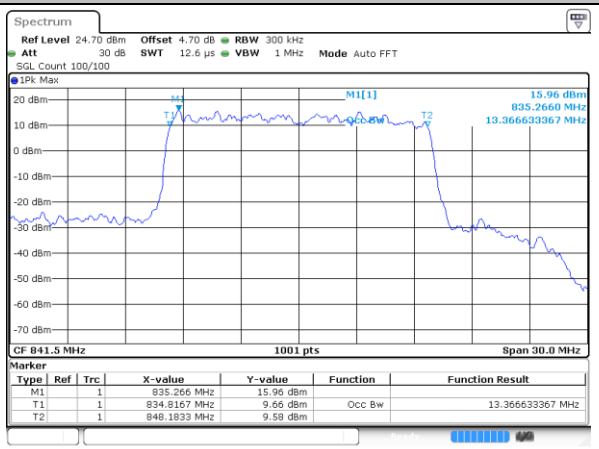
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

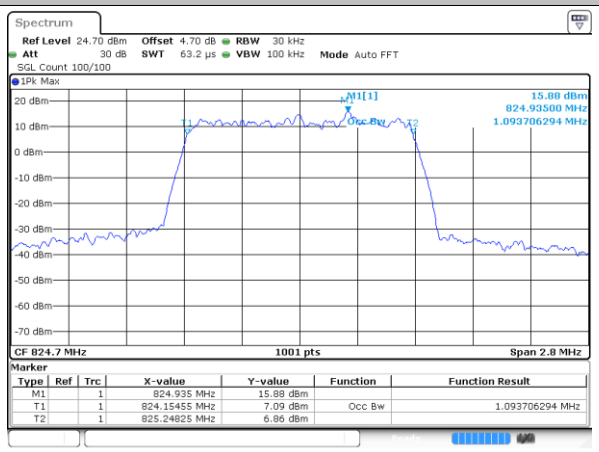


Highest Channel / 15MHz / 16QAM

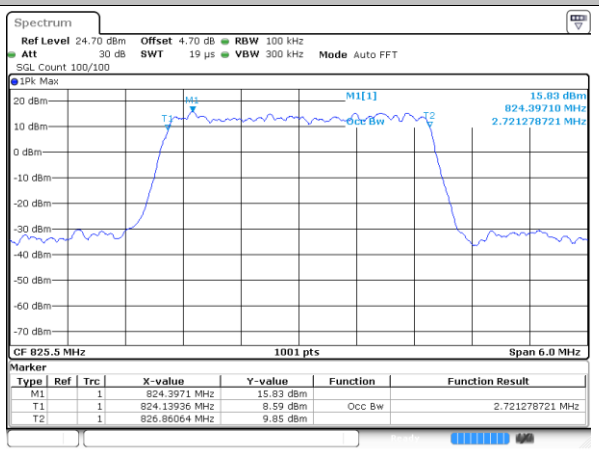


LTE Band 26

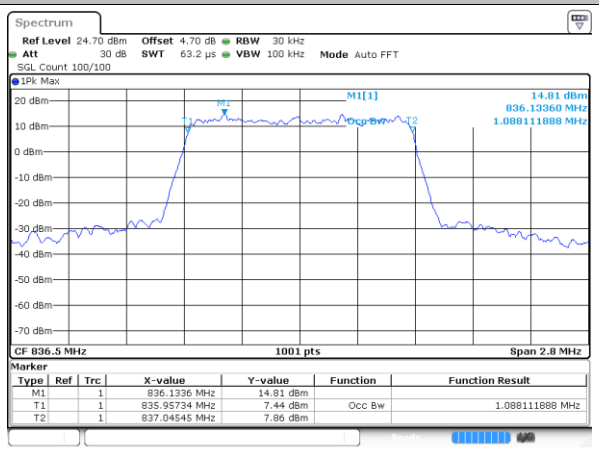
Lowest Channel / 1.4MHz / 64QAM



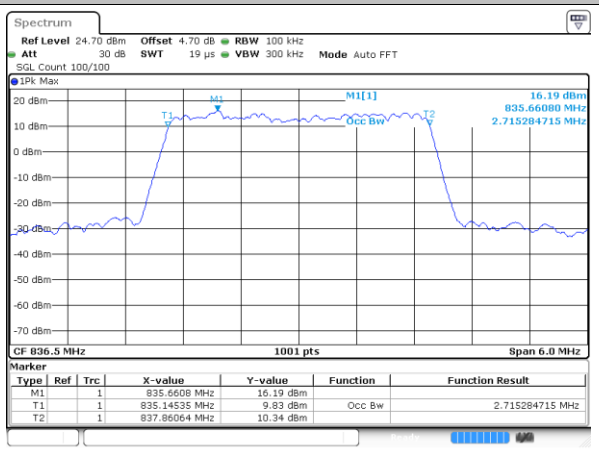
Lowest Channel / 3MHz / 64QAM



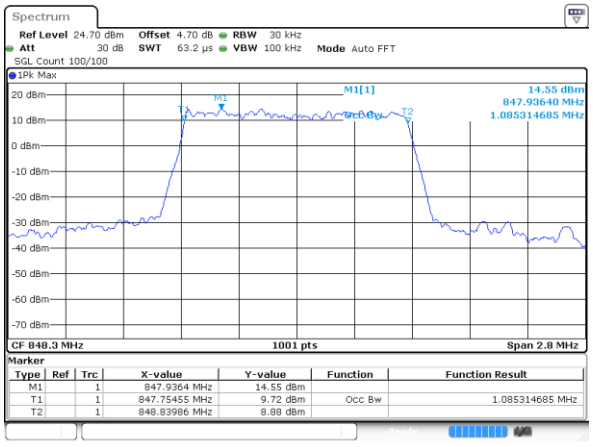
Middle Channel / 1.4MHz / 64QAM



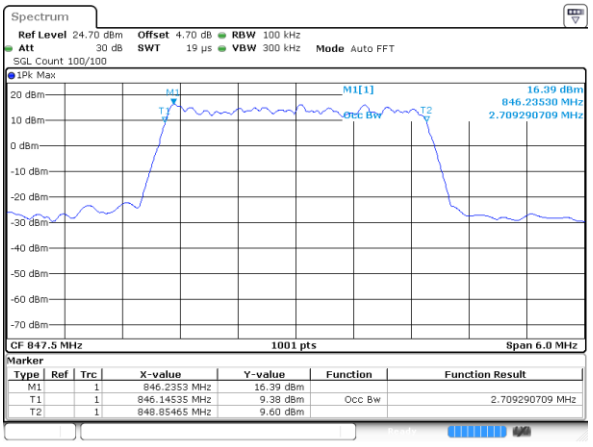
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

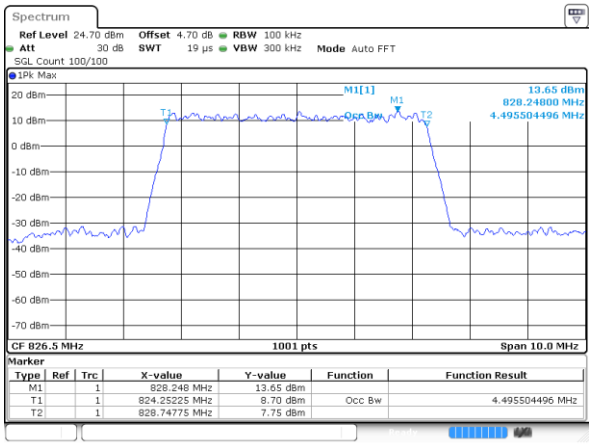


Highest Channel / 3MHz / 64QAM



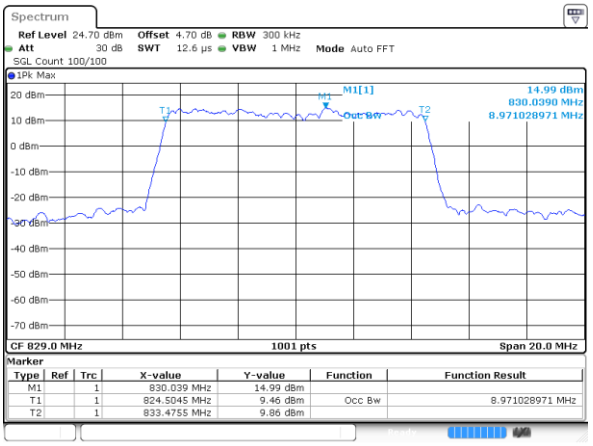
LTE Band 26

Lowest Channel / 5MHz / 64QAM



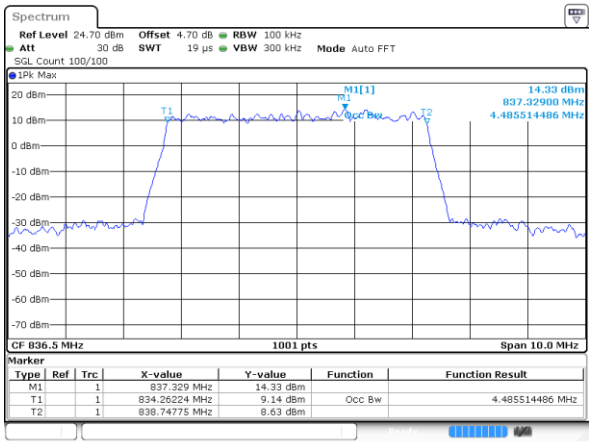
Date: 30.JAN.2020 13:54:28

Lowest Channel / 10MHz / 64QAM



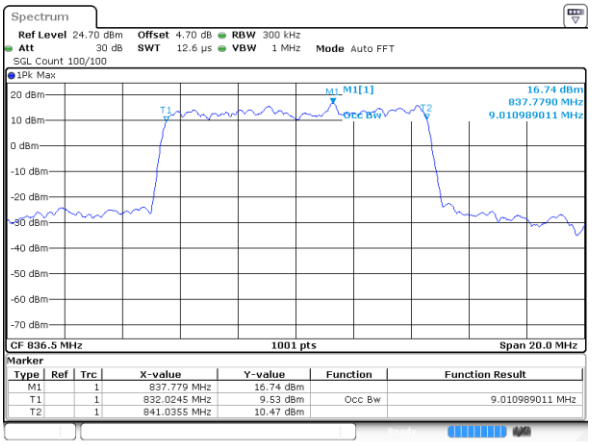
Date: 30.JAN.2020 14:39:44

Middle Channel / 5MHz / 64QAM



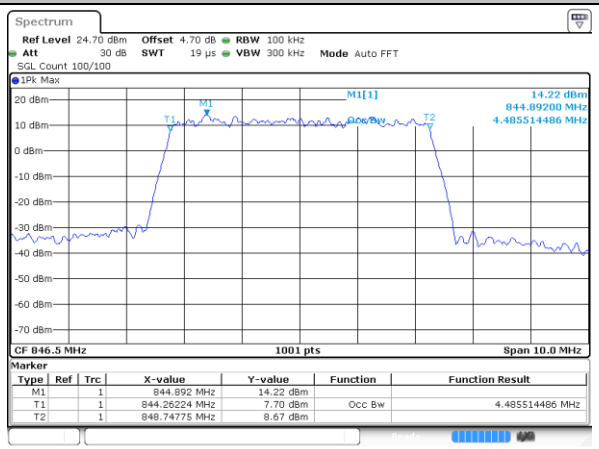
Date: 30.JAN.2020 14:26:56

Middle Channel / 10MHz / 64QAM



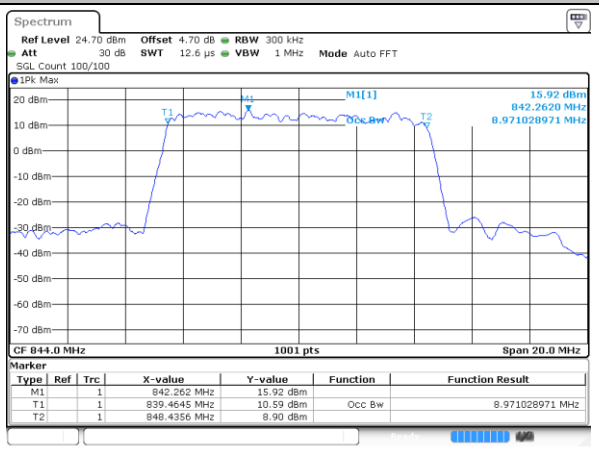
Date: 30.JAN.2020 14:54:05

Highest Channel / 5MHz / 64QAM



Date: 30.JAN.2020 14:29:53

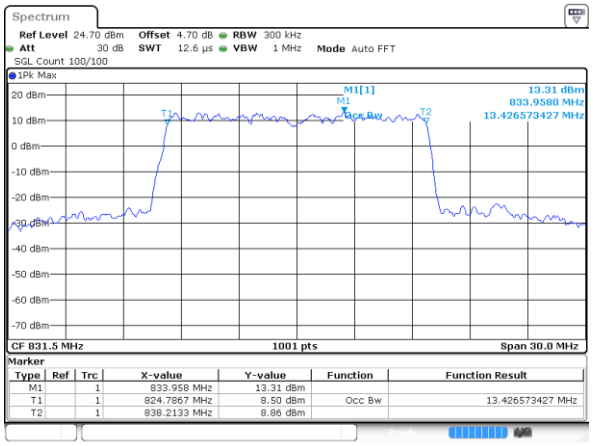
Highest Channel / 10MHz / 64QAM



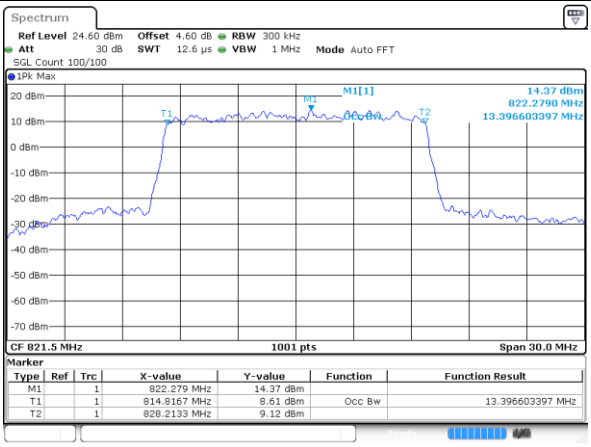
Date: 30.JAN.2020 14:57:49

LTE Band 26

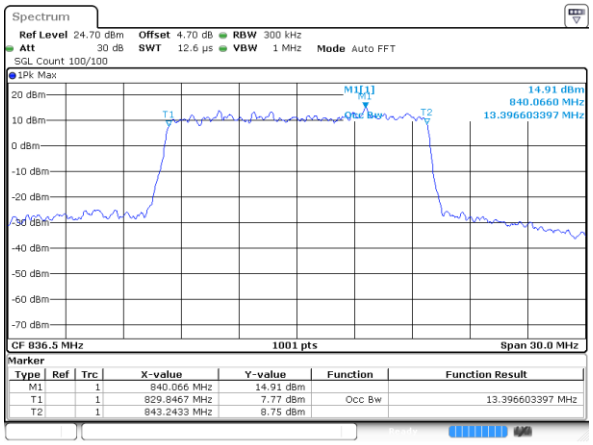
Lowest Channel / 15MHz / 64QAM



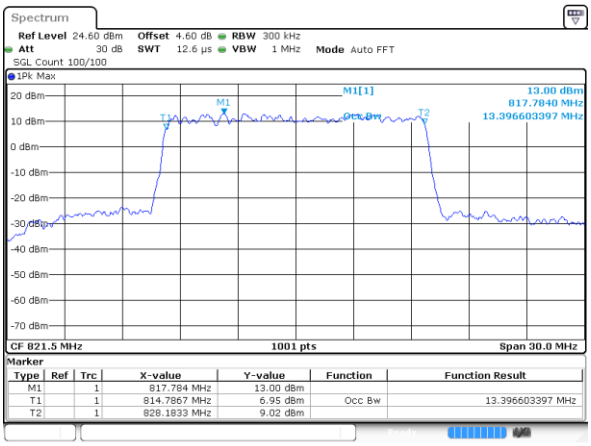
CH26765 / 15MHz / QPSK



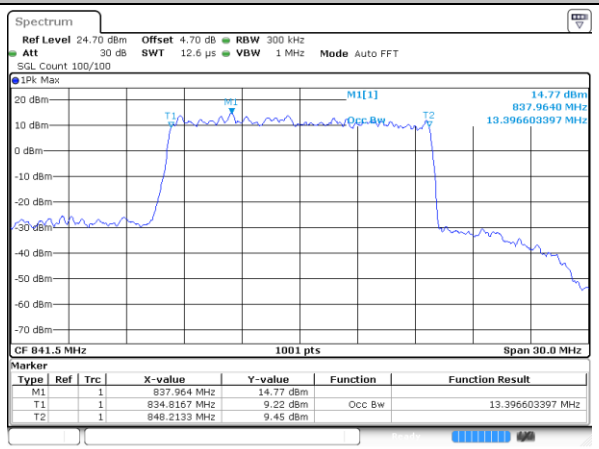
Middle Channel / 15MHz / 64QAM



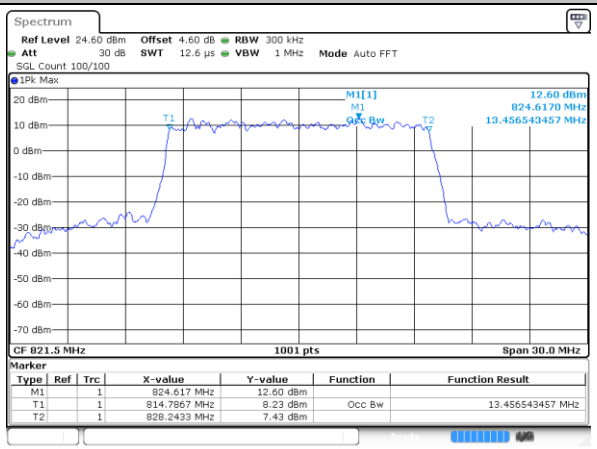
CH26765 / 15MHz / 16QAM



Highest Channel / 15MHz / 64QAM



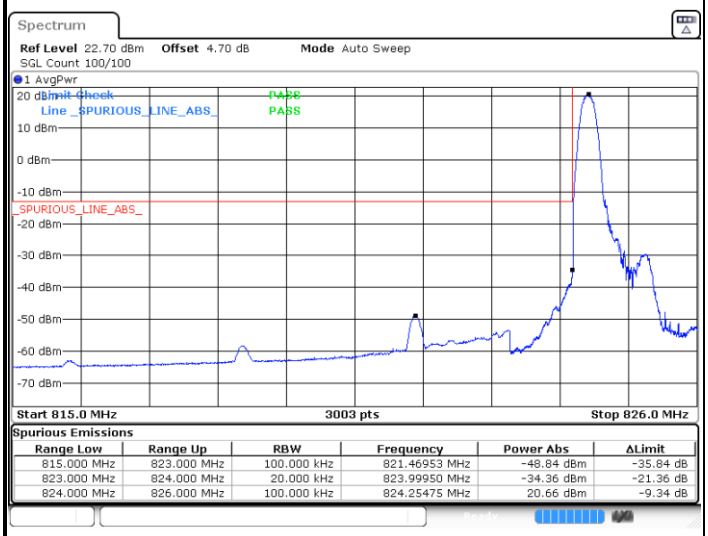
CH26765 / 15MHz / 64QAM



Conducted Band Edge

LTE Band 26 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

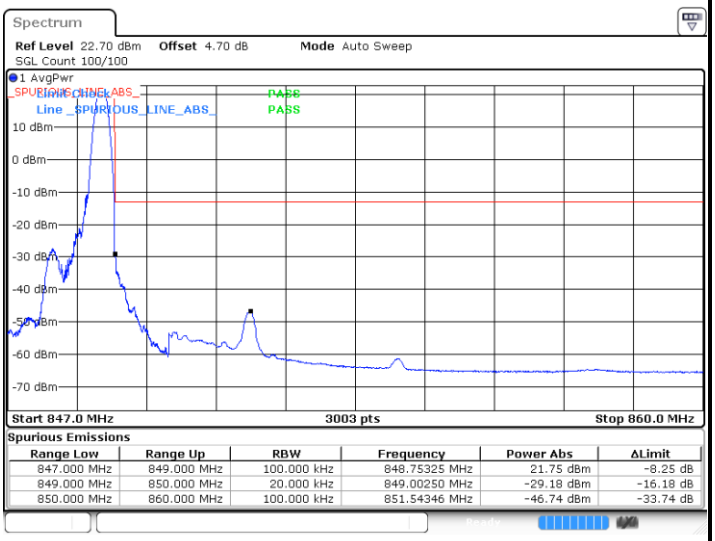


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.46953 MHz	-48.84 dBm	-35.84 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-34.36 dBm	-21.36 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25475 MHz	20.66 dBm	-9.34 dB

Date: 14.FEB.2020 02:09:25

Highest Band Edge / 1RB

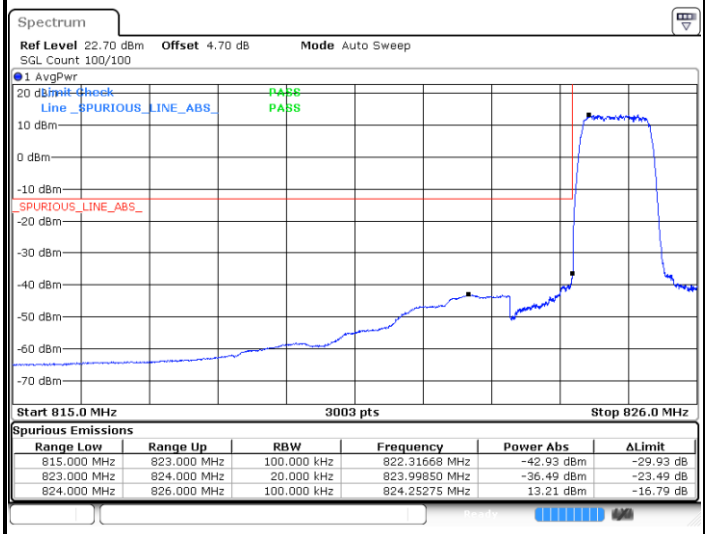


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.75325 MHz	21.75 dBm	-8.25 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00250 MHz	-29.18 dBm	-16.18 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.54346 MHz	-46.74 dBm	-33.74 dB

Date: 30.JAN.2020 10:55:13

Lowest Band Edge / Full RB

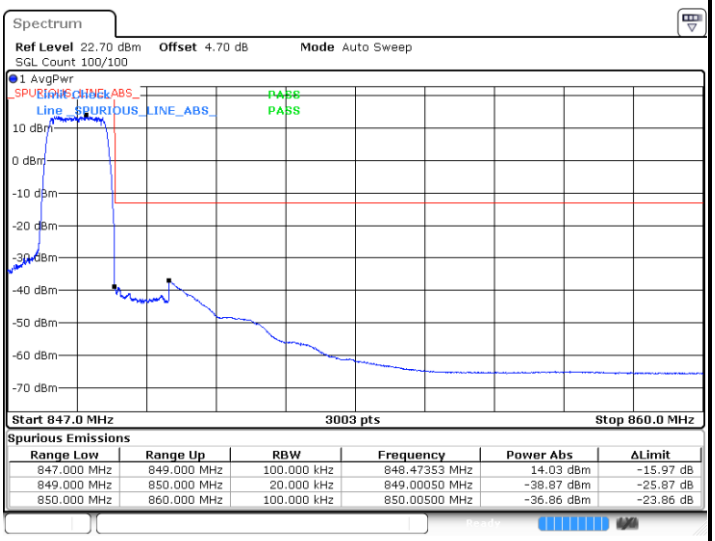


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.31668 MHz	-42.93 dBm	-29.93 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-36.49 dBm	-23.49 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.25275 MHz	13.21 dBm	-16.79 dB

Date: 30.JAN.2020 09:47:57

Highest Band Edge / Full RB



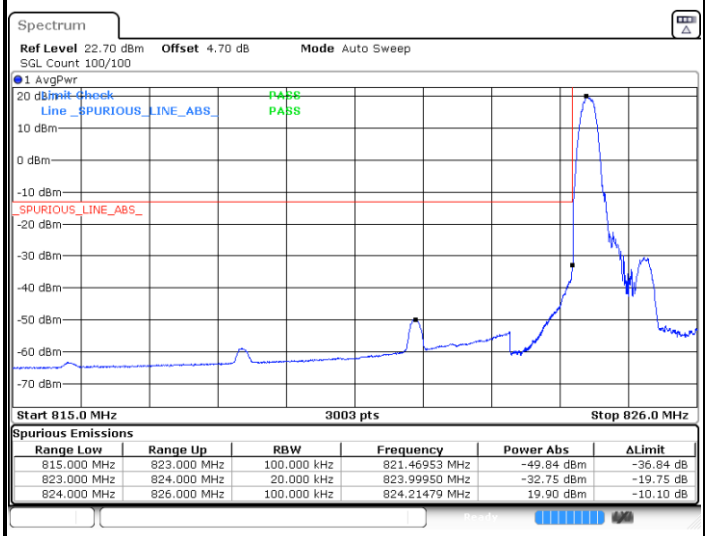
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.47353 MHz	14.03 dBm	-15.97 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00050 MHz	-38.87 dBm	-25.87 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-36.86 dBm	-23.86 dB

Date: 30.JAN.2020 10:40:57

LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

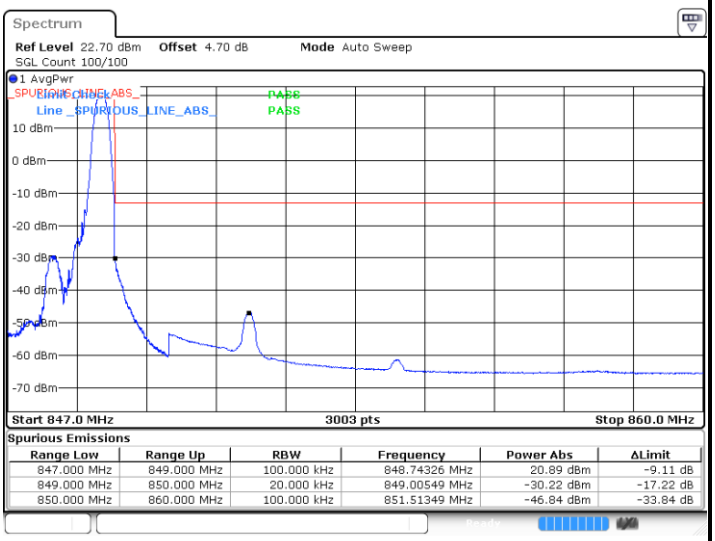


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.46953 MHz	-49.84 dBm	-36.84 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99950 MHz	-32.75 dBm	-19.75 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.21479 MHz	19.90 dBm	-10.10 dB

Date: 14.FEB.2020 02:11:20

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.74326 MHz	20.89 dBm	-9.11 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00549 MHz	-30.22 dBm	-17.22 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.51349 MHz	-46.84 dBm	-33.84 dB

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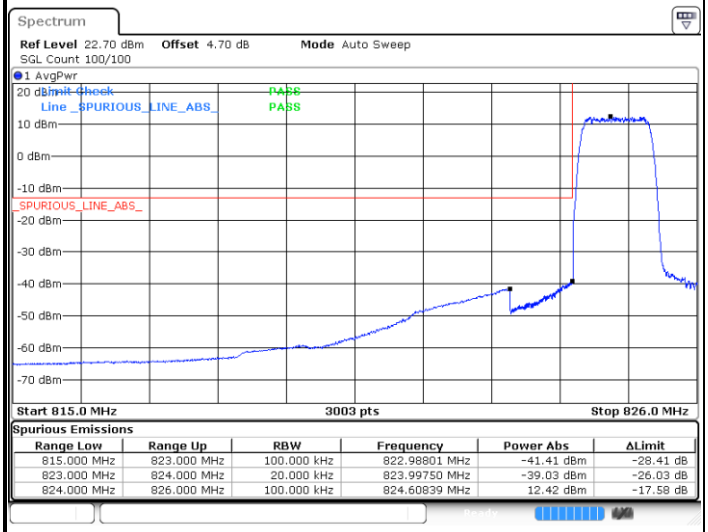
Lowest Band Edge / Full RB

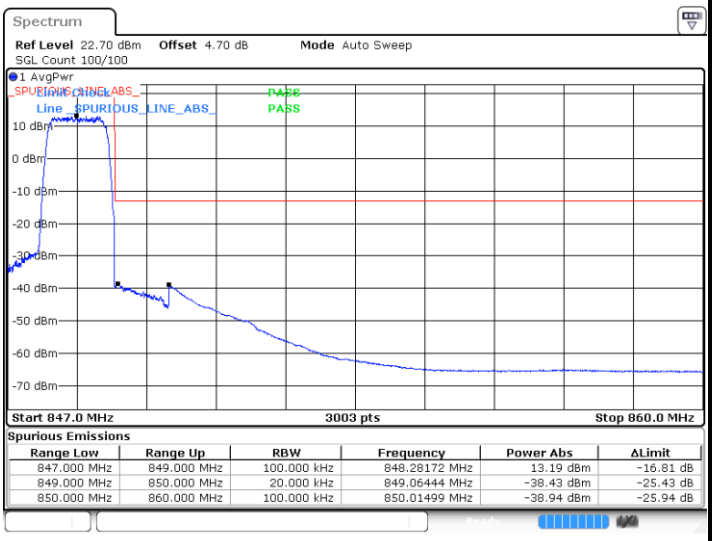


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.98801 MHz	-41.41 dBm	-28.41 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99750 MHz	-39.03 dBm	-26.03 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.60839 MHz	12.42 dBm	-17.58 dB

Date: 30.JAN.2020 09:49:33

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.28172 MHz	13.19 dBm	-16.81 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.06444 MHz	-38.43 dBm	-25.43 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.01499 MHz	-38.94 dBm	-25.94 dB

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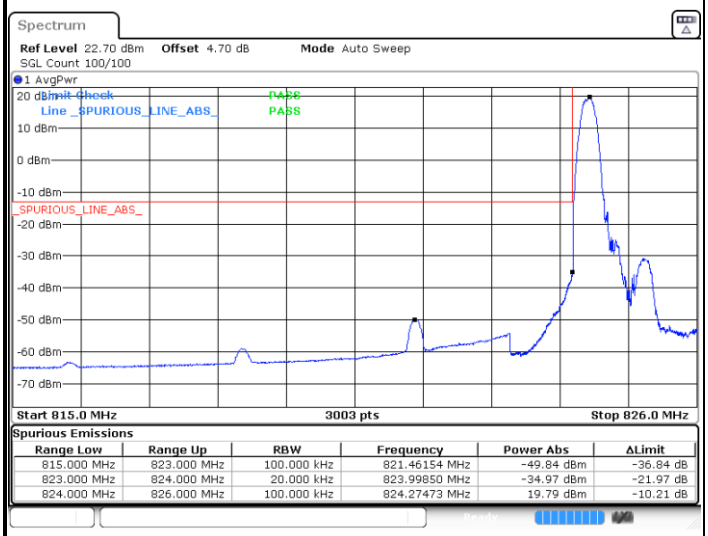
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB

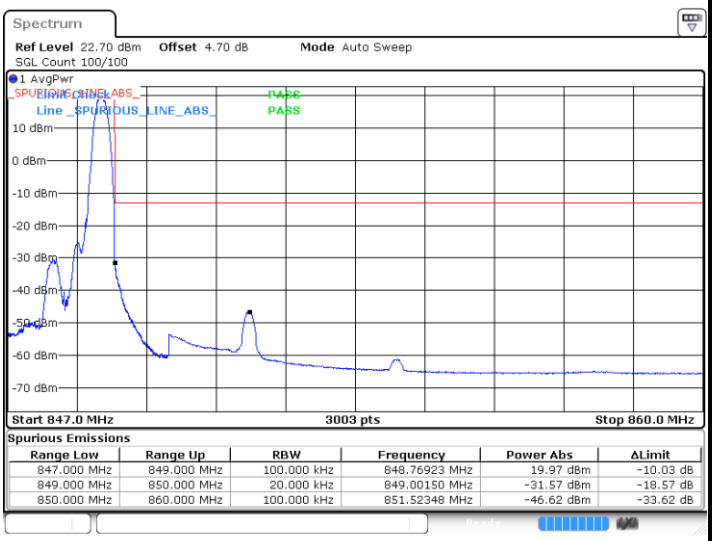


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	821.46154 MHz	-49.84 dBm	-36.84 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99850 MHz	-34.97 dBm	-21.97 dB
824.000 MHz	826.000 MHz	100.000 kHz	824.27473 MHz	19.79 dBm	-10.21 dB

Date: 14.FEB.2020 02:14:55

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.76923 MHz	19.97 dBm	-10.03 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.00150 MHz	-31.57 dBm	-18.57 dB
850.000 MHz	860.000 MHz	100.000 kHz	851.52348 MHz	-46.62 dBm	-33.62 dB

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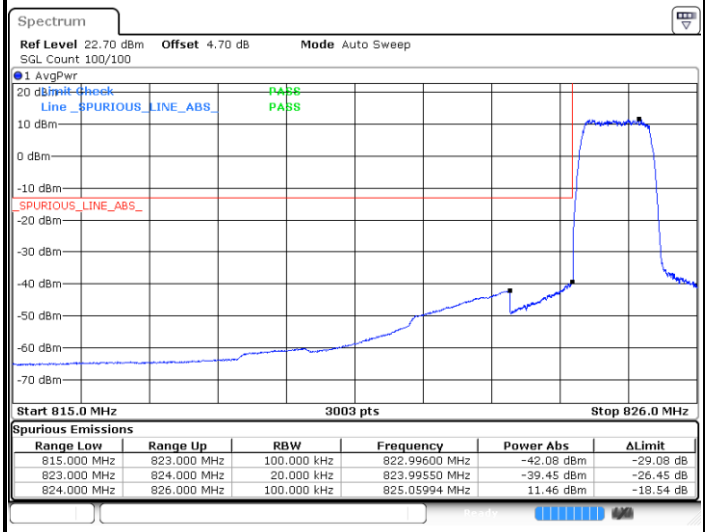
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
815.000 MHz	823.000 MHz	100.000 kHz	822.99600 MHz	-42.08 dBm	-29.08 dB
823.000 MHz	824.000 MHz	20.000 kHz	823.99550 MHz	-39.45 dBm	-26.45 dB
824.000 MHz	826.000 MHz	100.000 kHz	825.05994 MHz	11.46 dBm	-18.54 dB

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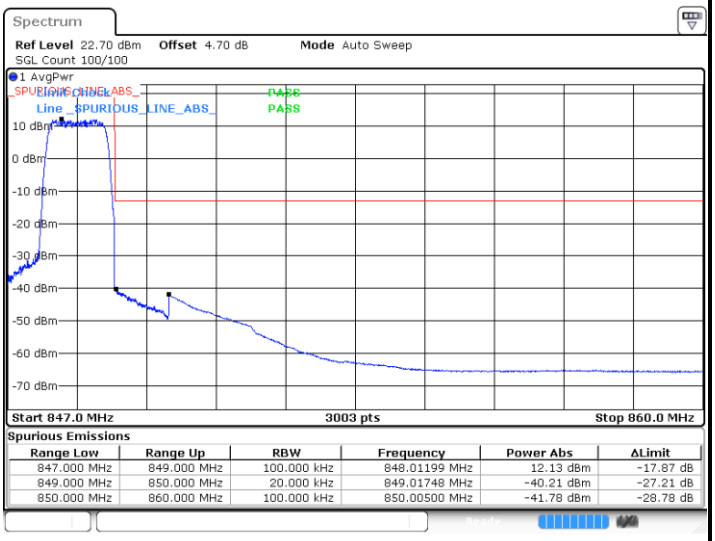
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
847.000 MHz	849.000 MHz	100.000 kHz	848.01199 MHz	12.13 dBm	-17.87 dB
849.000 MHz	850.000 MHz	20.000 kHz	849.01748 MHz	-40.21 dBm	-27.21 dB
850.000 MHz	860.000 MHz	100.000 kHz	850.00500 MHz	-41.78 dBm	-28.78 dB

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