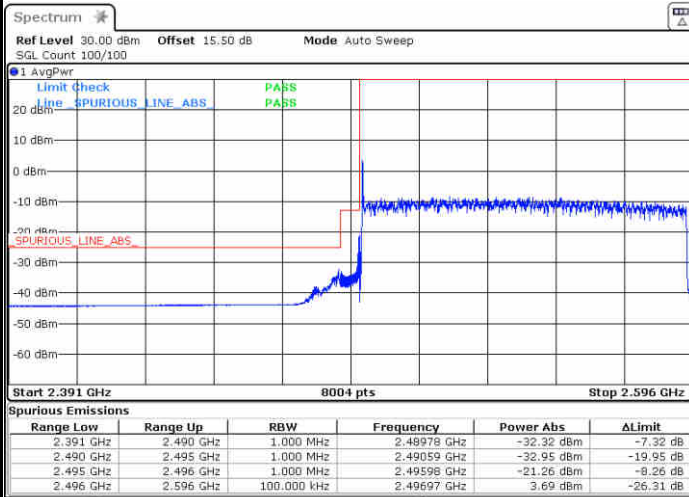


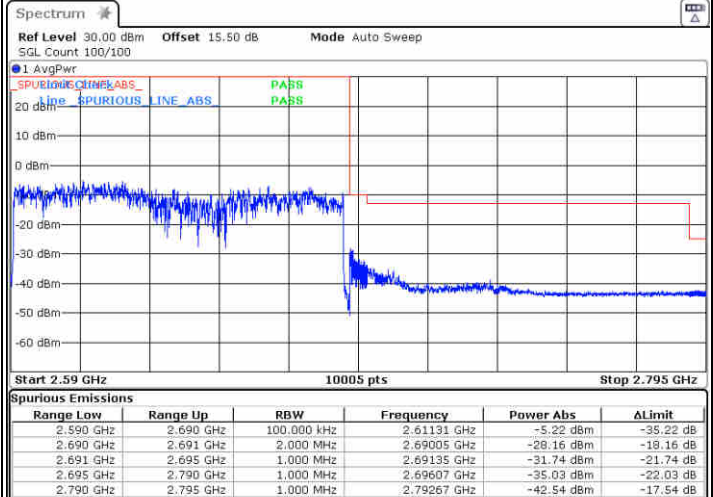


270#0_BPSK_L



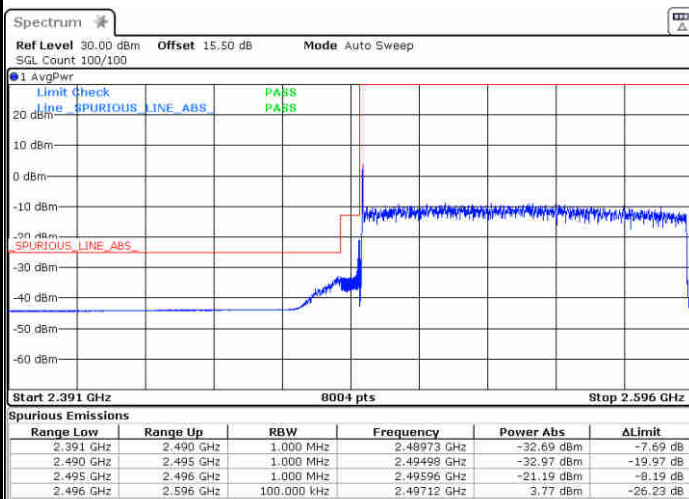
Date: 28.JUL.2020 16:09:12

270#0_BPSK_H



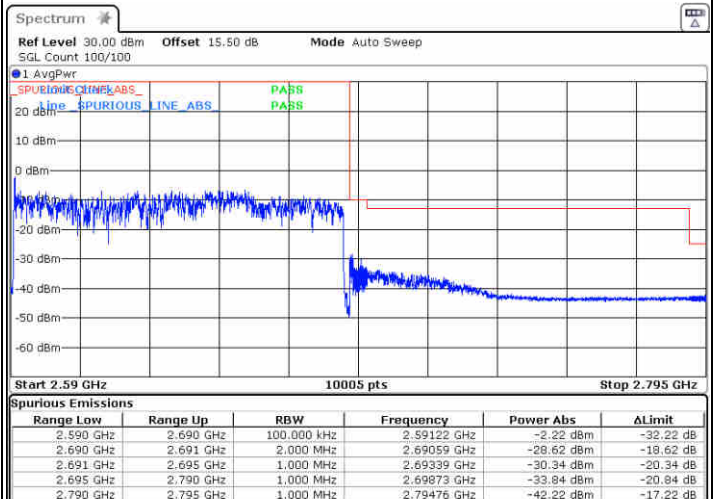
Date: 28.JUL.2020 16:51:14

270#0_QPSK_L



Date: 28.JUL.2020 16:10:59

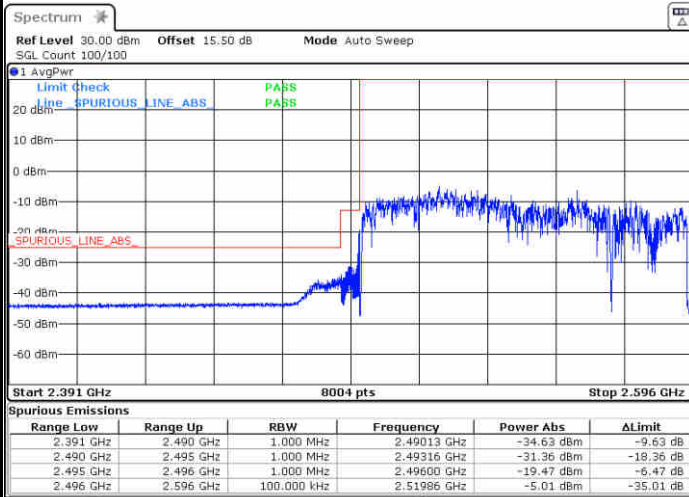
270#0_QPSK_H



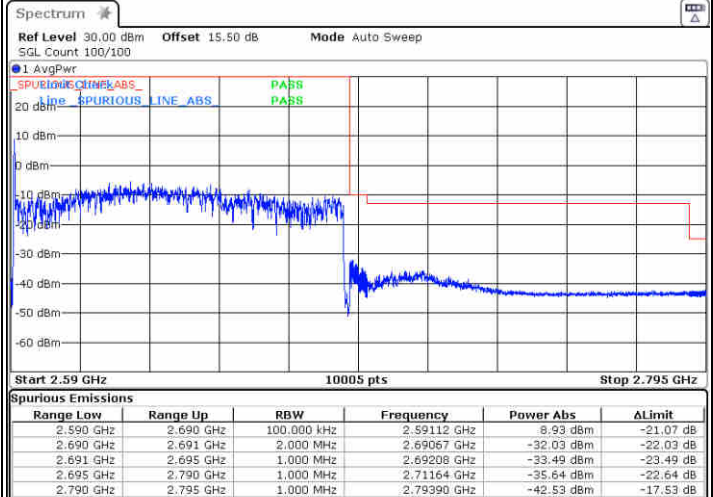
Date: 28.JUL.2020 16:51:56



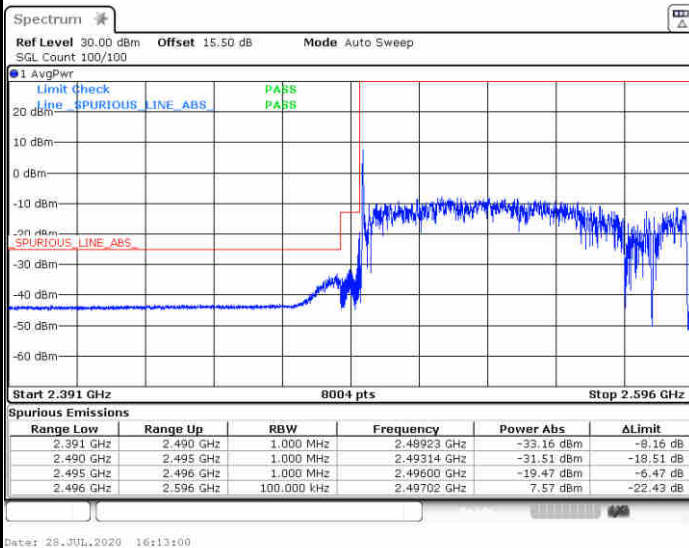
270#0_16QAM_L



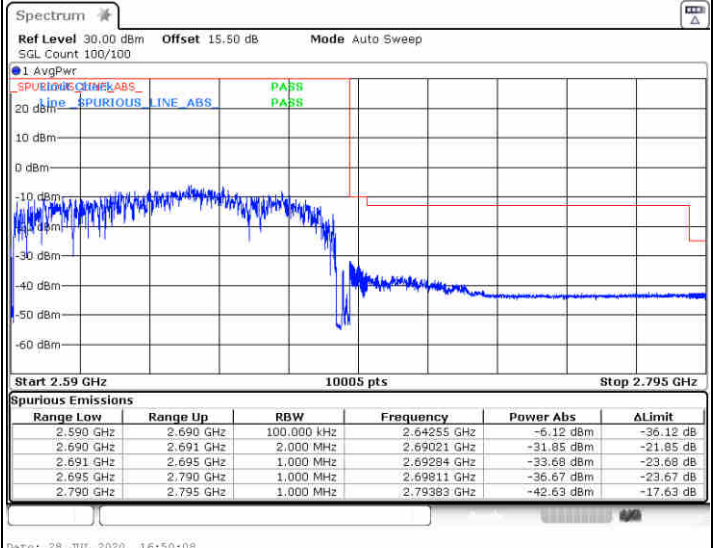
270#0_16QAM_H



270#0_64QAM_L



270#0_64QAM_H

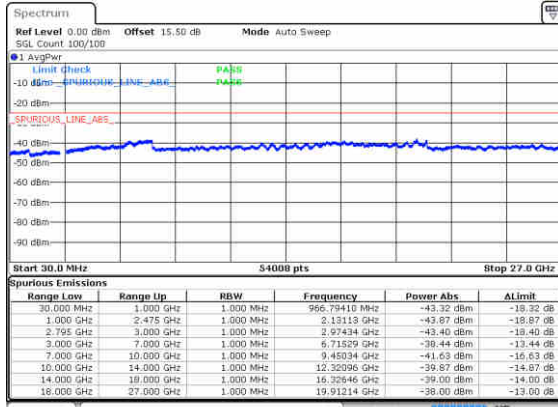




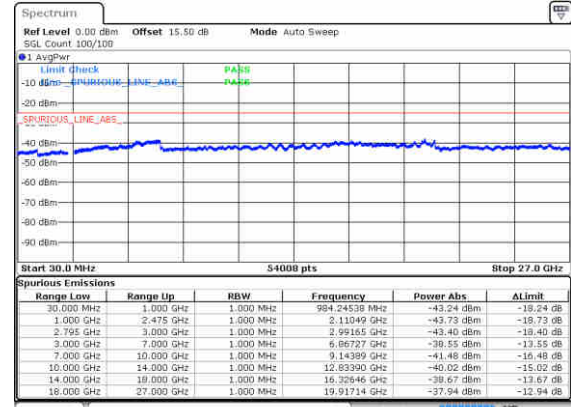
Conducted Spurious Emission

LTE 10MHz + NR 20MHz

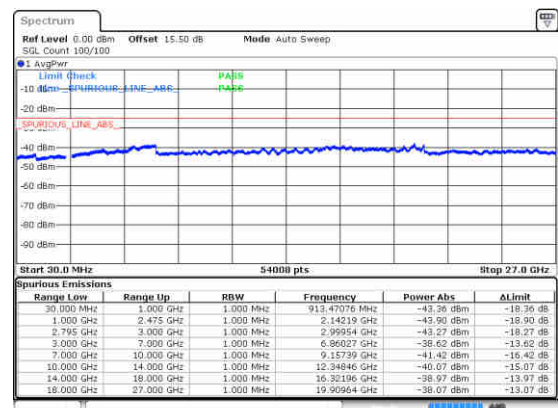
Lowest Channel / BPSK



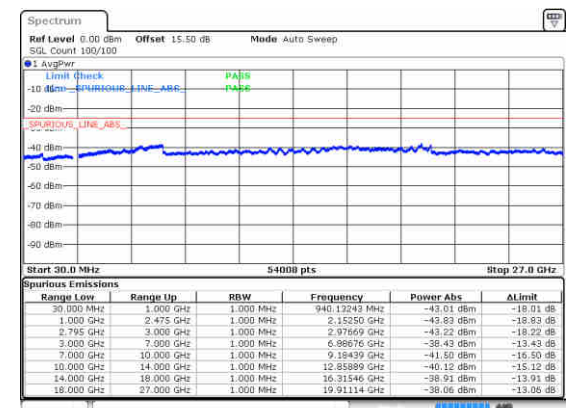
Lowest Channel / QPSK



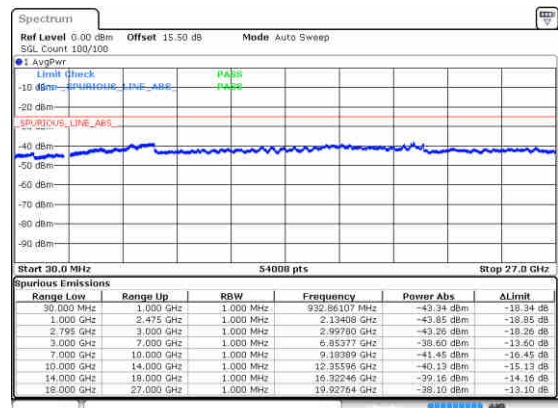
Middle Channel / BPSK



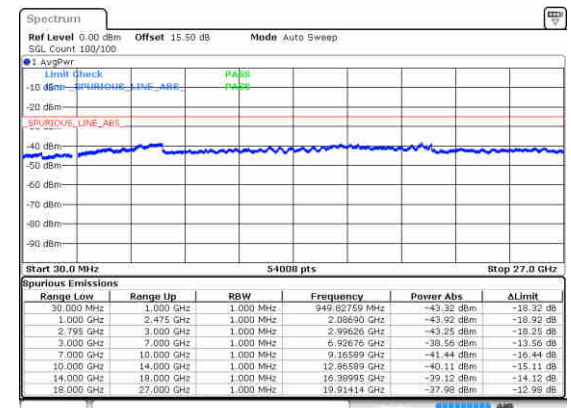
Middle Channel / QPSK



Highest Channel / BPSK



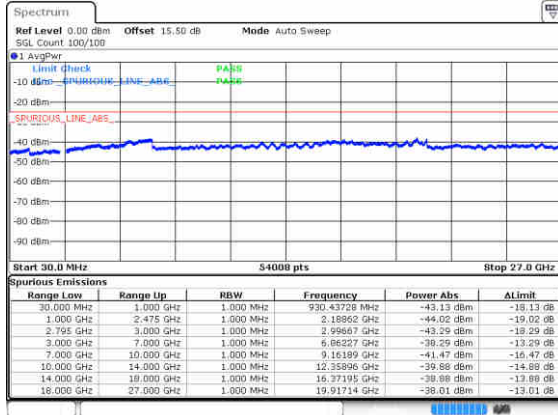
Highest Channel / QPSK



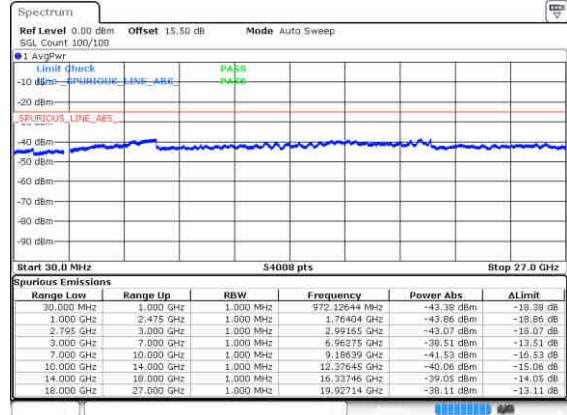


LTE 10MHz + NR 20MHz

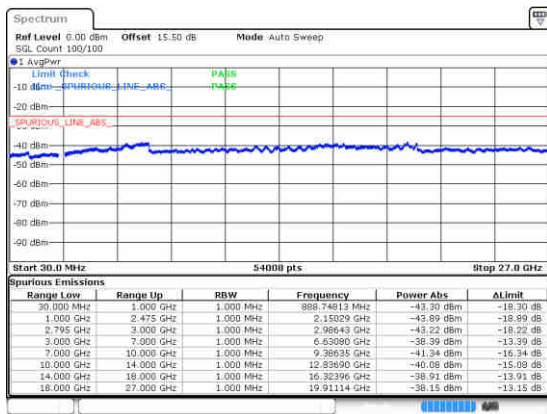
Lowest Channel / 16QAM



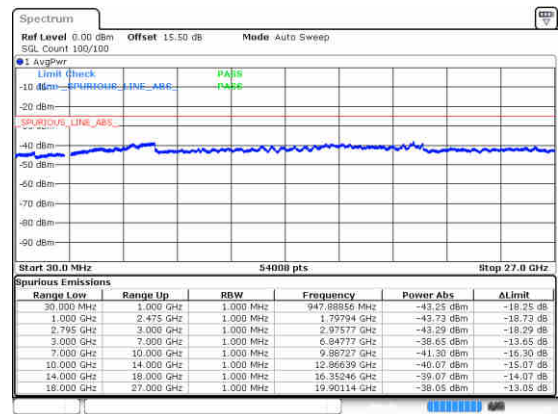
Lowest Channel / 64QAM



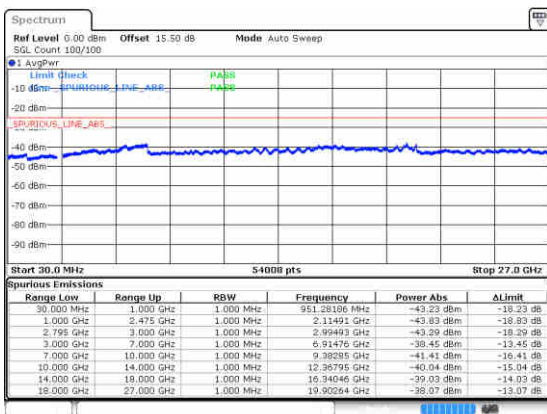
Middle Channel / 16QAM



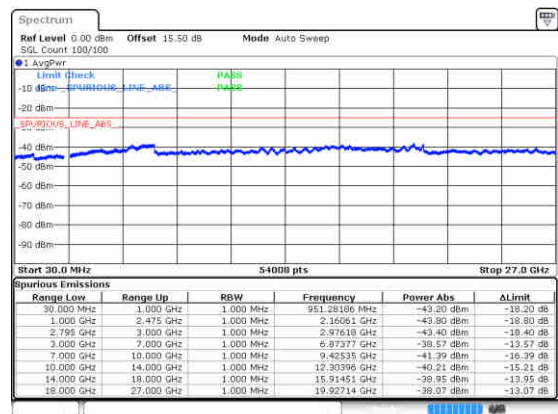
Middle Channel / 64QAM



Highest Channel / 16QAM



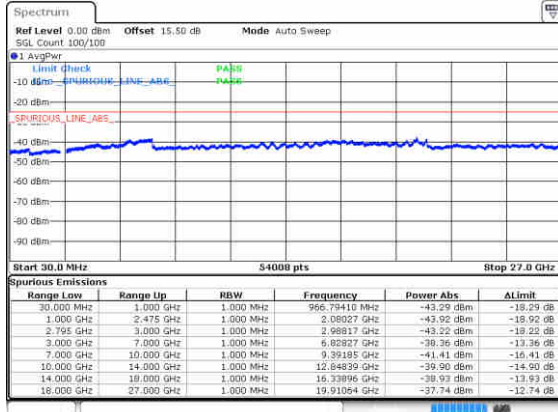
Highest Channel / 64QAM



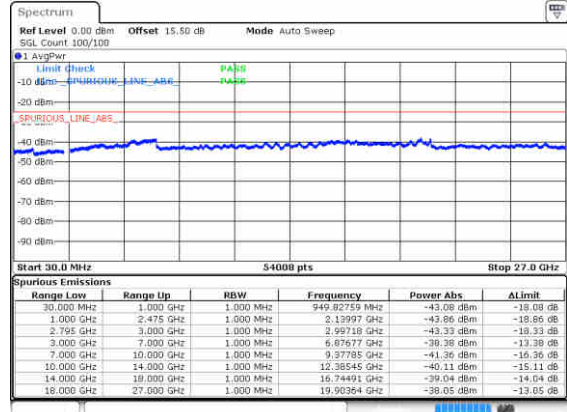


LTE 10MHz + NR 40MHz

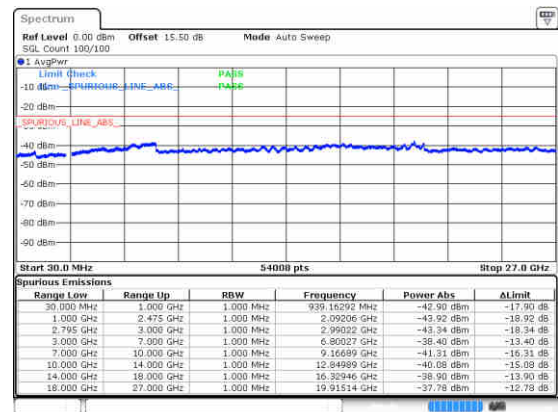
Lowest Channel / BPSK



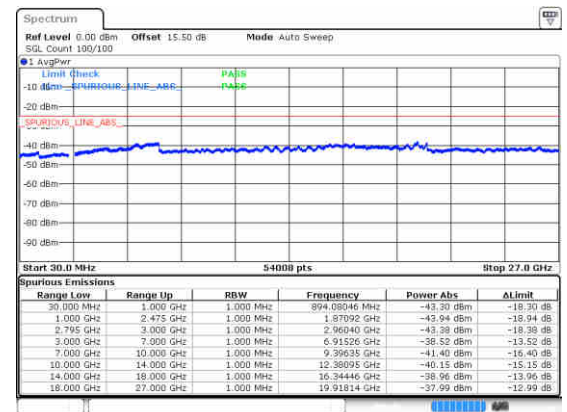
Lowest Channel / QPSK



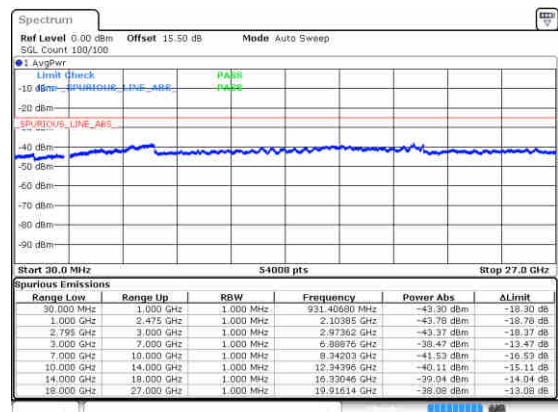
Middle Channel / BPSK



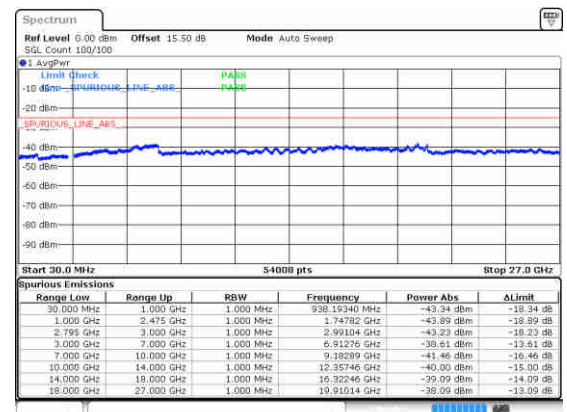
Middle Channel / QPSK



Highest Channel / BPSK



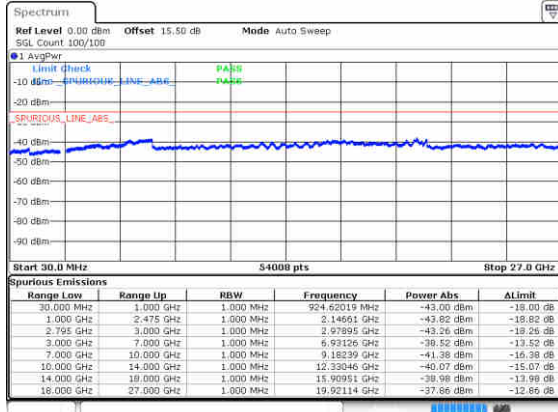
Highest Channel / QPSK



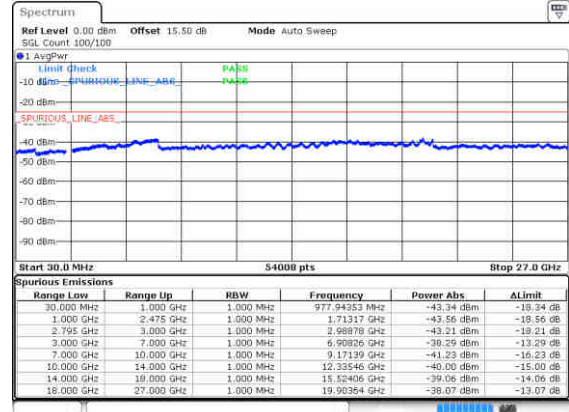


LTE 10MHz + NR 40MHz

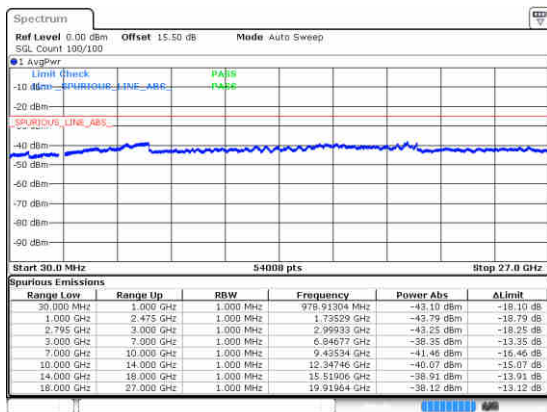
Lowest Channel / 16QAM



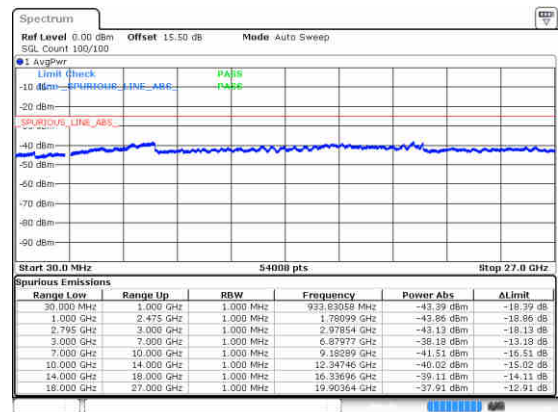
Lowest Channel / 64QAM



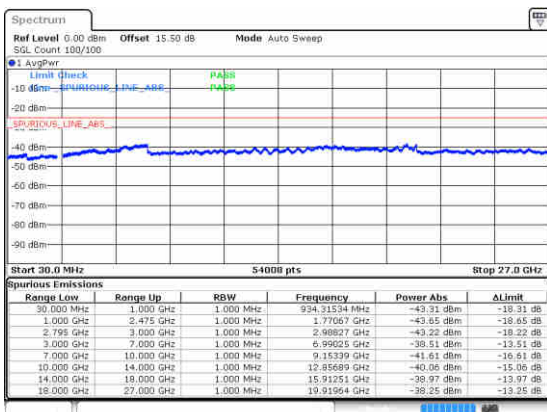
Middle Channel / 16QAM



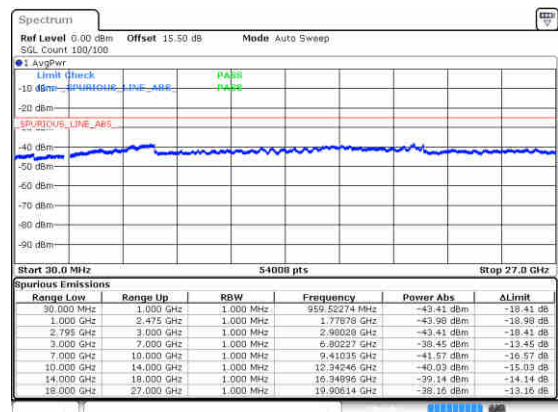
Middle Channel / 64QAM



Highest Channel / 16QAM



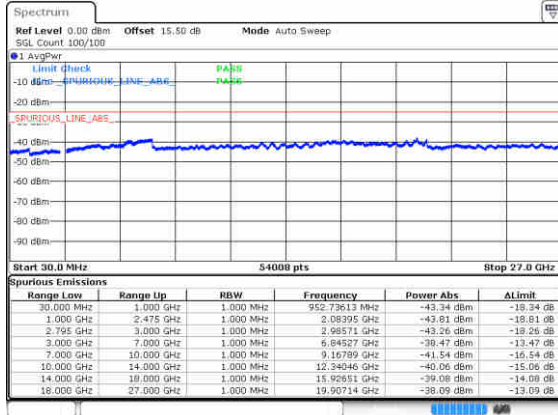
Highest Channel / 64QAM



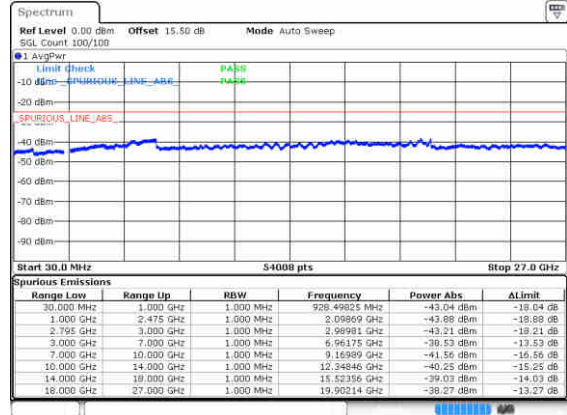


LTE 10MHz + NR 50MHz

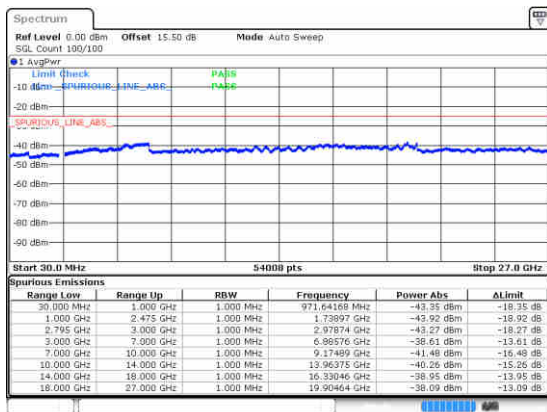
Lowest Channel / BPSK



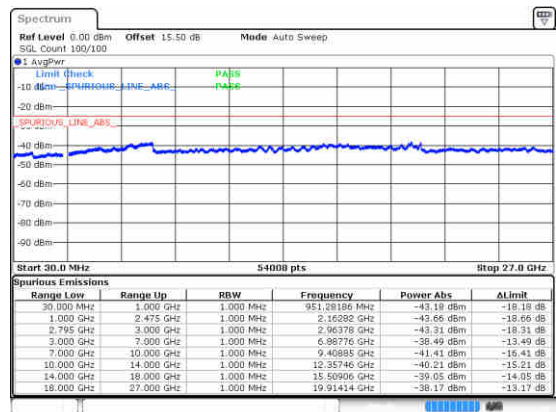
Lowest Channel / QPSK



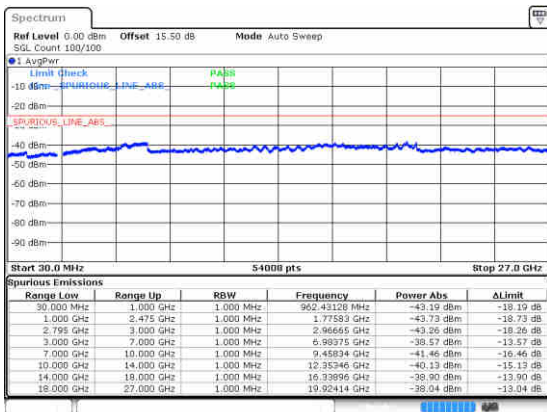
Middle Channel / BPSK



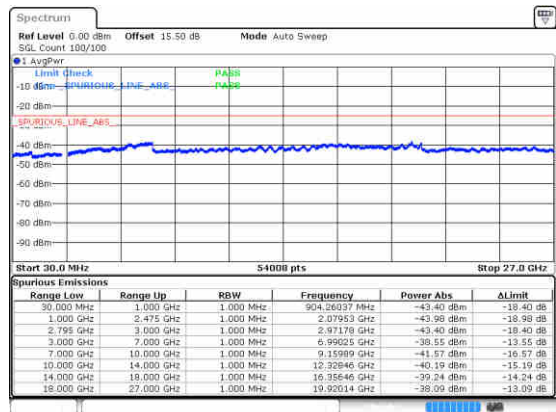
Middle Channel / QPSK



Highest Channel / BPSK



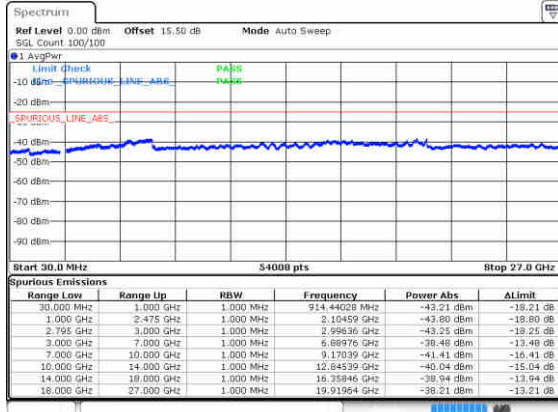
Highest Channel / QPSK



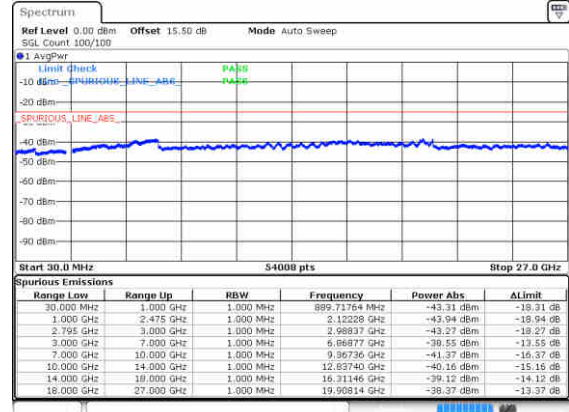


EN-DC_5A_n41A / LTE 10MHz + NR 50MHz

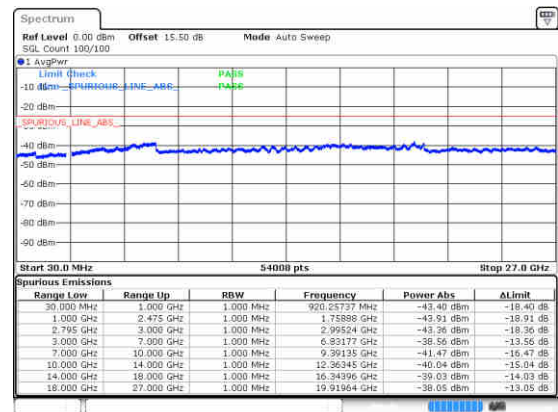
Lowest Channel / 16QAM



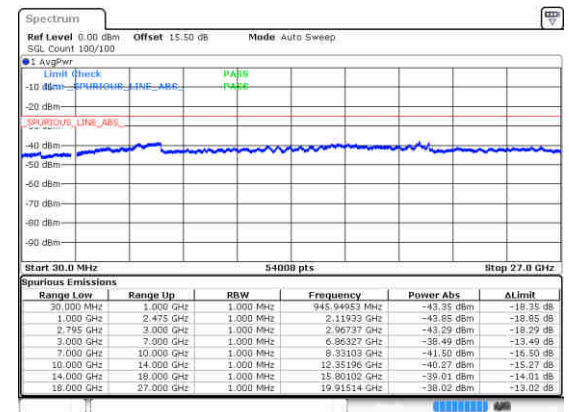
Lowest Channel / 64QAM



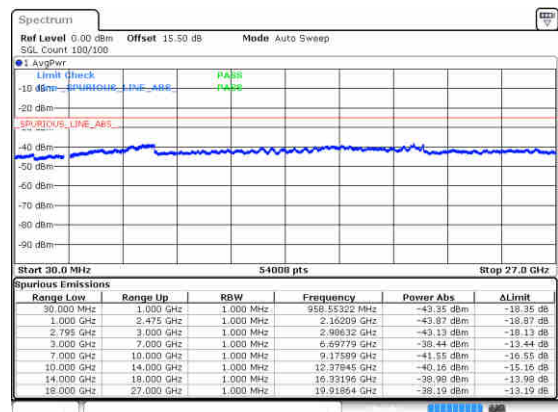
Middle Channel / 16QAM



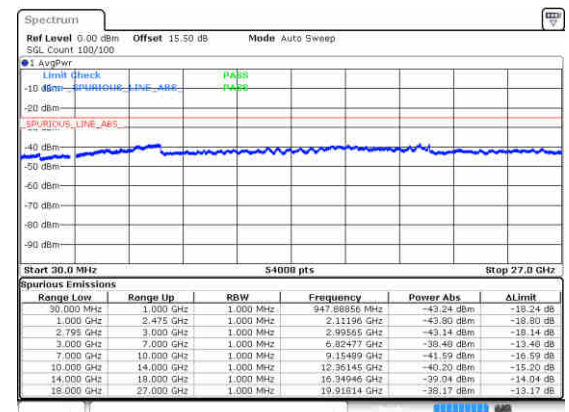
Middle Channel / 64QAM



Highest Channel / 16QAM



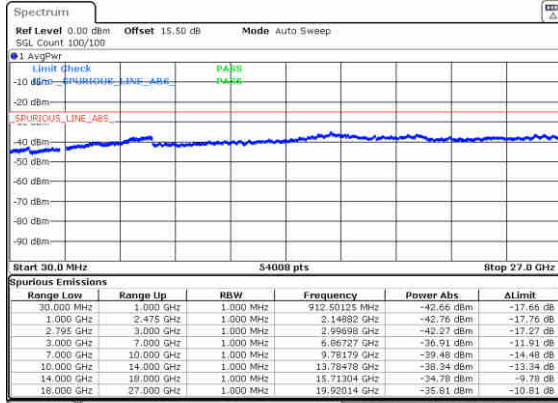
Highest Channel / 64QAM



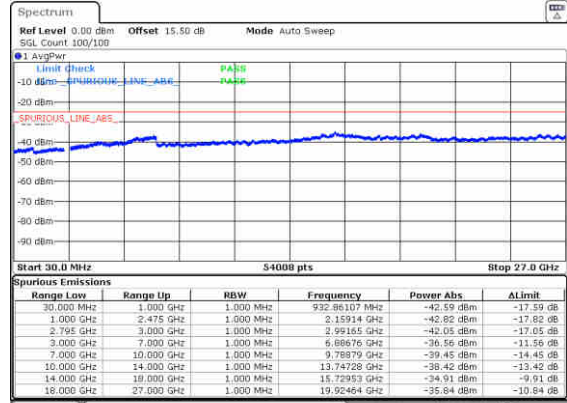


LTE 10MHz + NR 60MHz

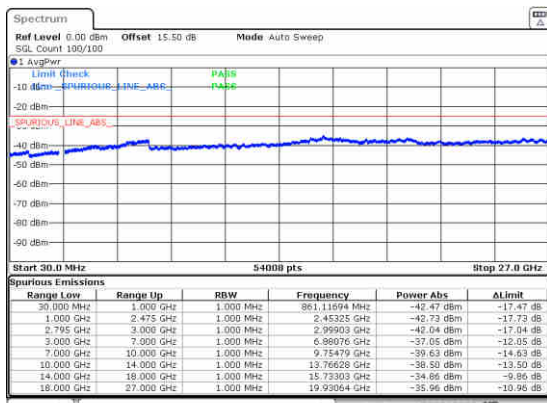
Lowest Channel / BPSK



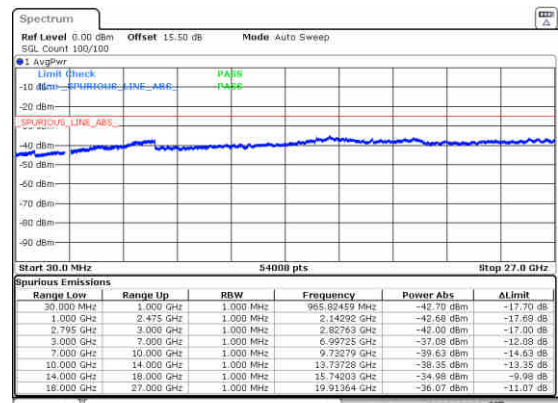
Lowest Channel / QPSK



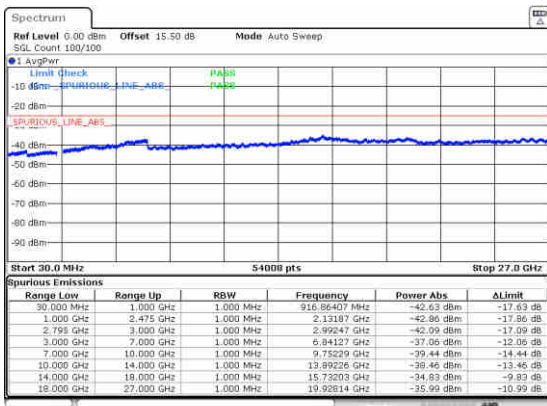
Middle Channel / BPSK



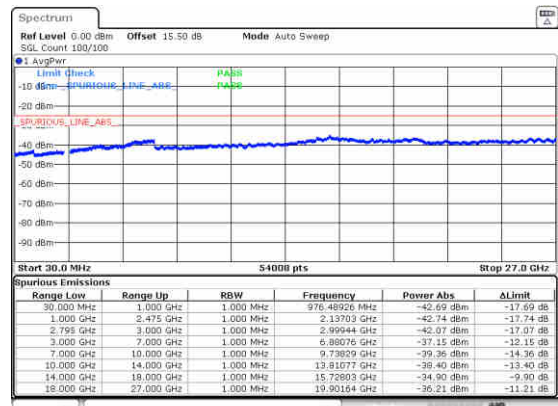
Middle Channel / QPSK



Highest Channel / BPSK



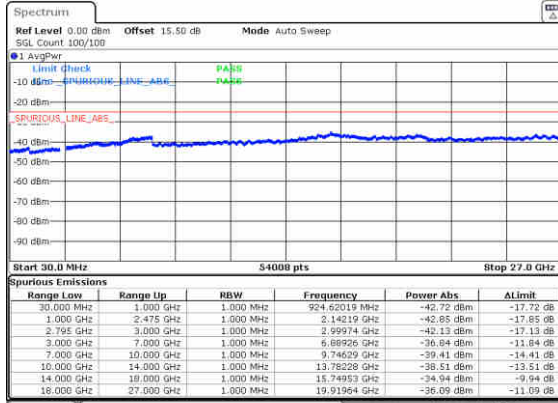
Highest Channel / QPSK



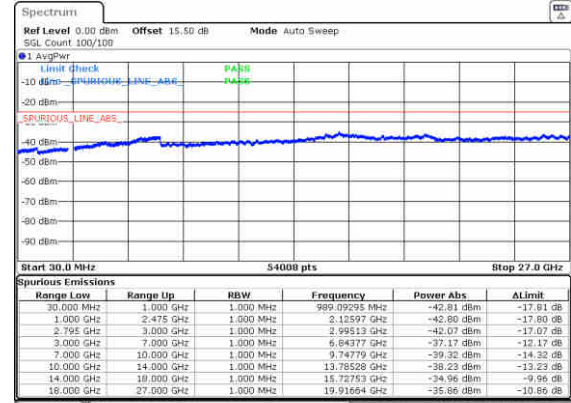


LTE 10MHz + NR 60MHz

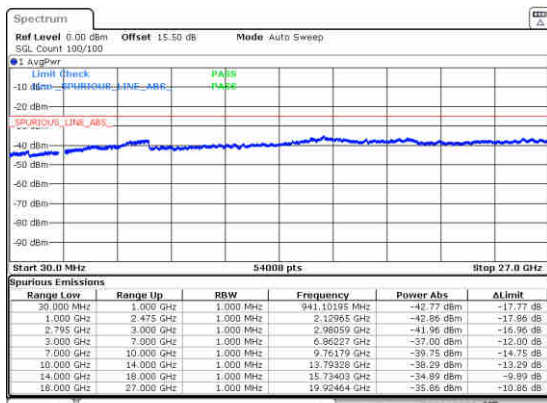
Lowest Channel / 16QAM



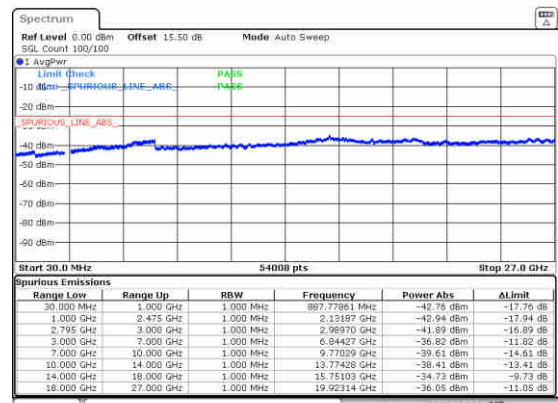
Lowest Channel / 64QAM



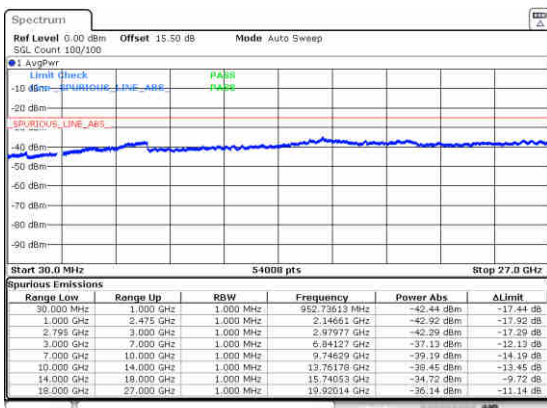
Middle Channel / 16QAM



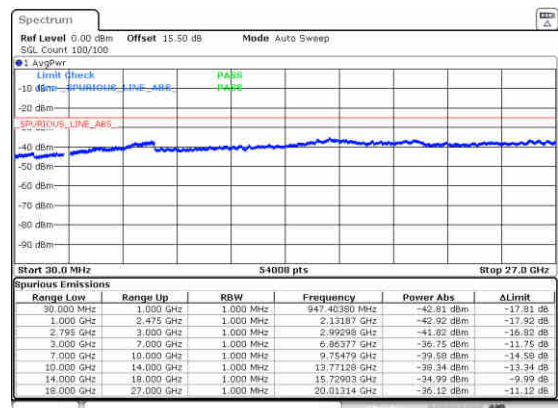
Middle Channel / 64QAM



Highest Channel / 16QAM



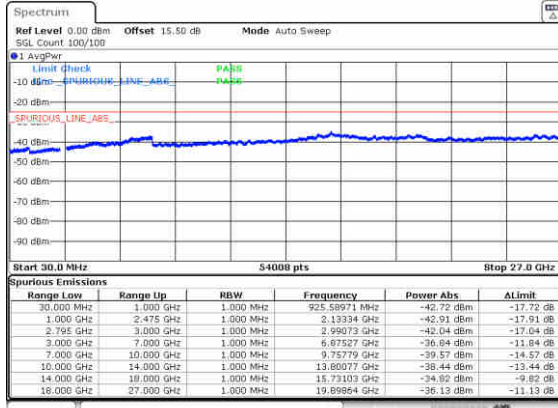
Highest Channel / 64QAM



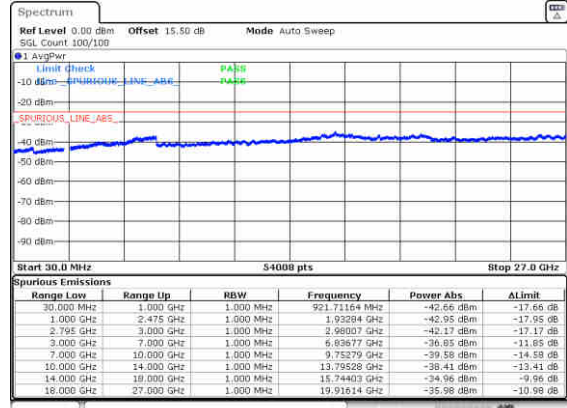


LTE 10MHz + NR 80MHz

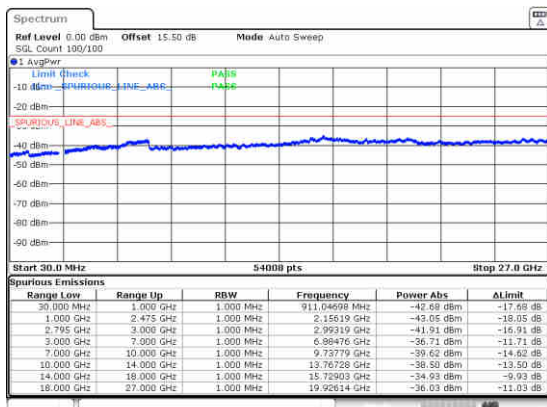
Lowest Channel / BPSK



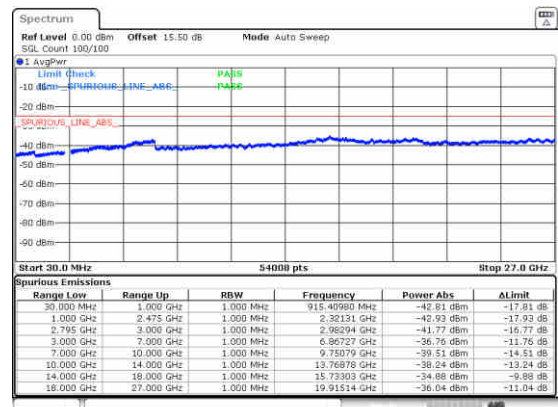
Lowest Channel / QPSK



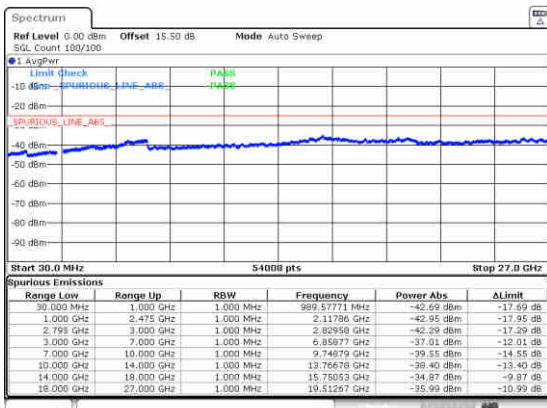
Middle Channel / BPSK



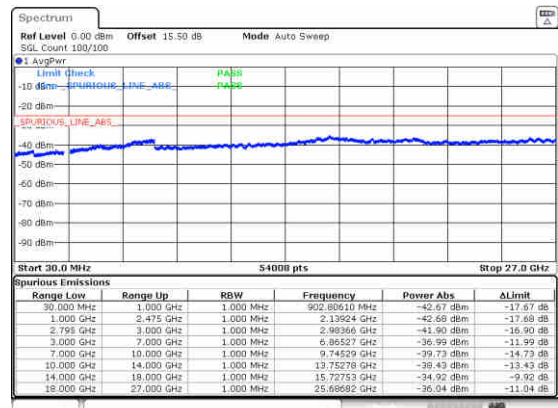
Middle Channel / QPSK



Highest Channel / BPSK



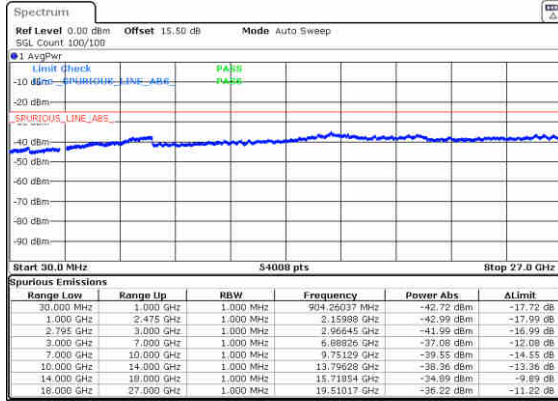
Highest Channel / QPSK



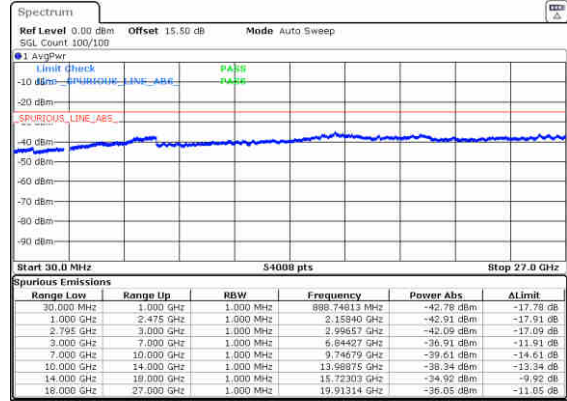


LTE 10MHz + NR 80MHz

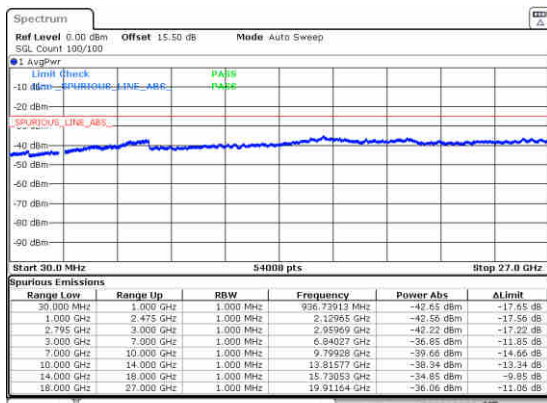
Lowest Channel / 16QAM



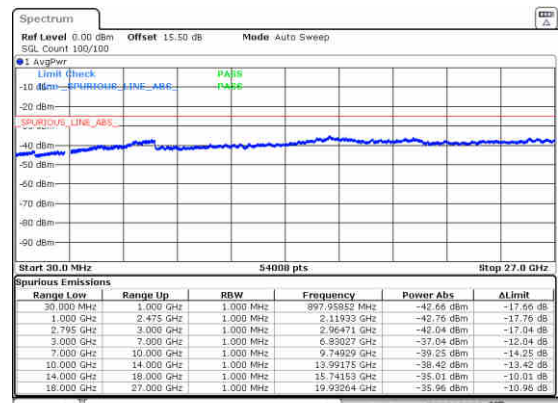
Lowest Channel / 64QAM



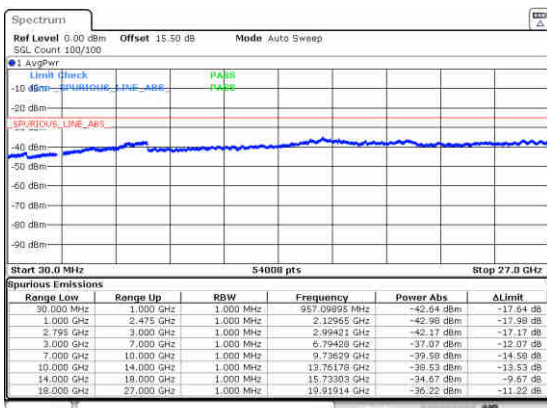
Middle Channel / 16QAM



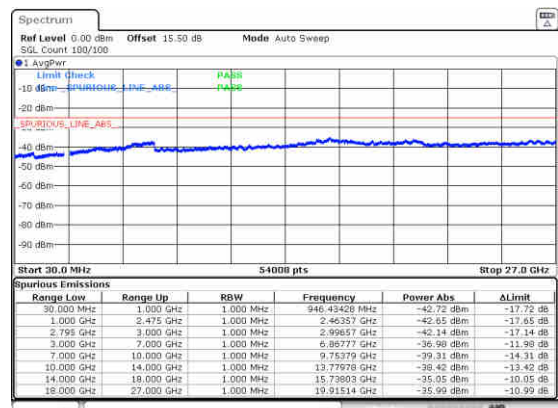
Middle Channel / 64QAM



Highest Channel / 16QAM



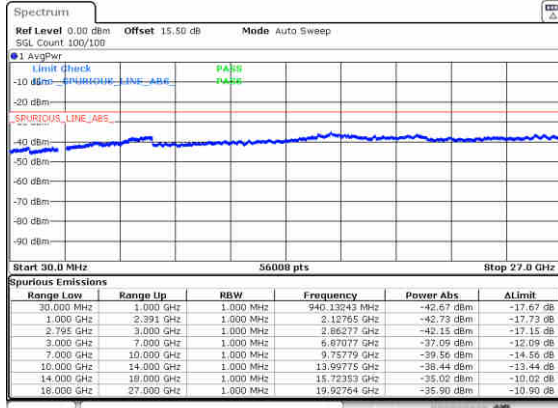
Highest Channel / 64QAM



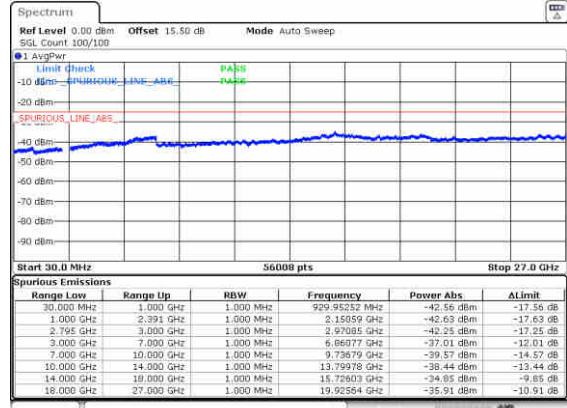


LTE 10MHz + NR 90MHz

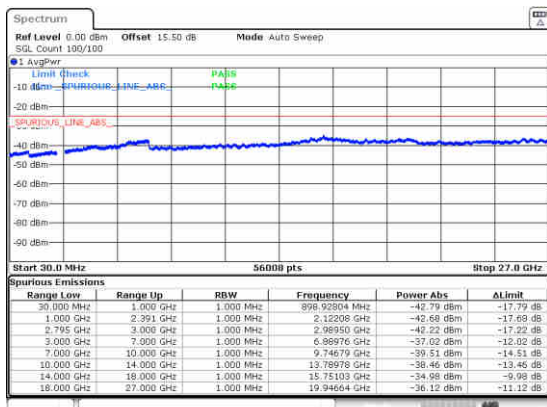
Lowest Channel / BPSK



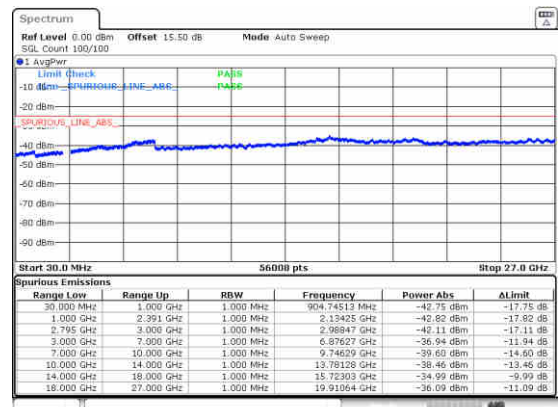
Lowest Channel / QPSK



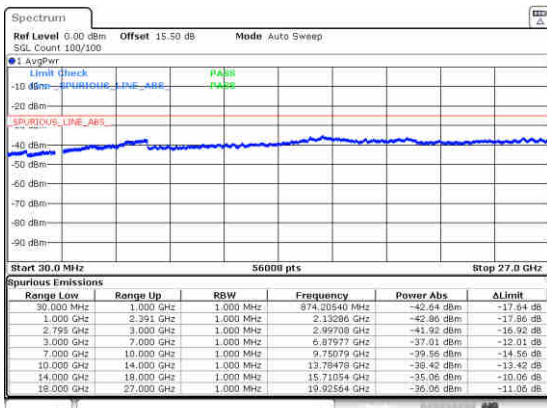
Middle Channel / BPSK



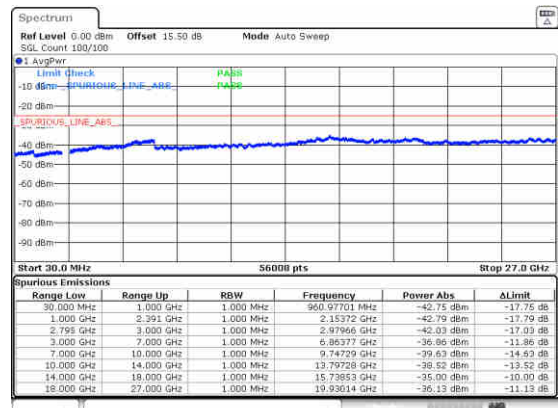
Middle Channel / QPSK



Highest Channel / BPSK



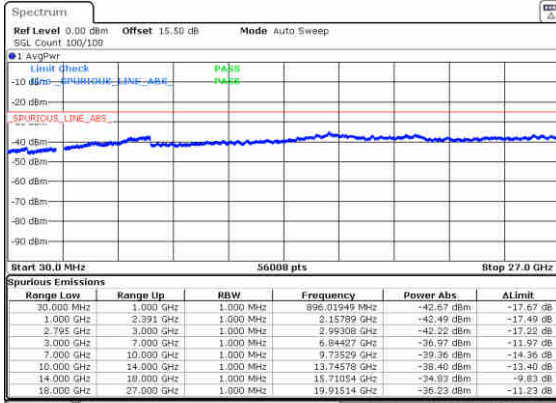
Highest Channel / QPSK



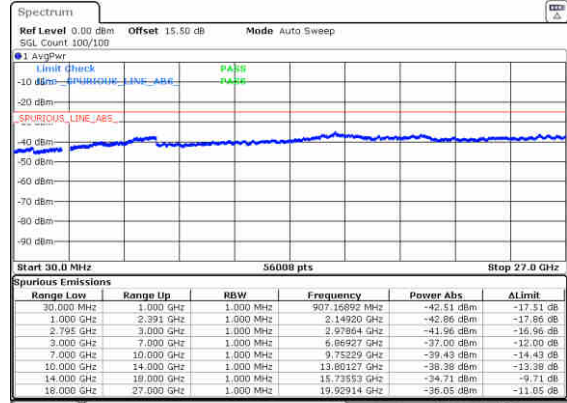


LTE 10MHz + NR 90MHz

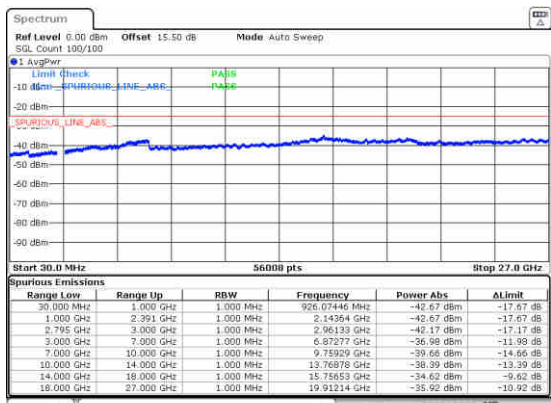
Lowest Channel / 16QAM



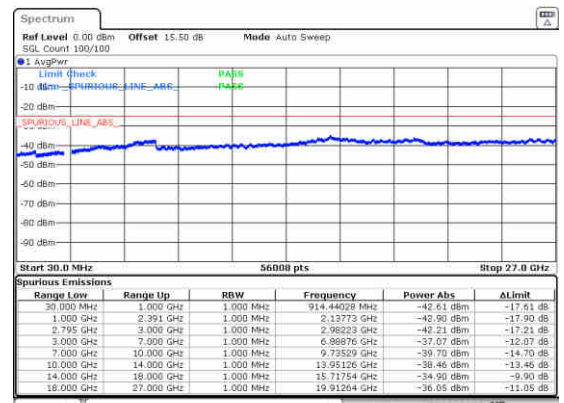
Lowest Channel / 64QAM



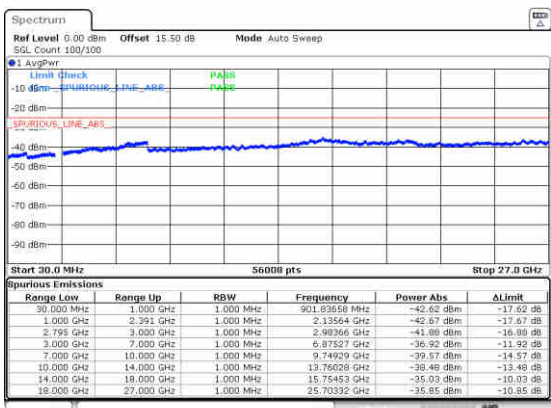
Middle Channel / 16QAM



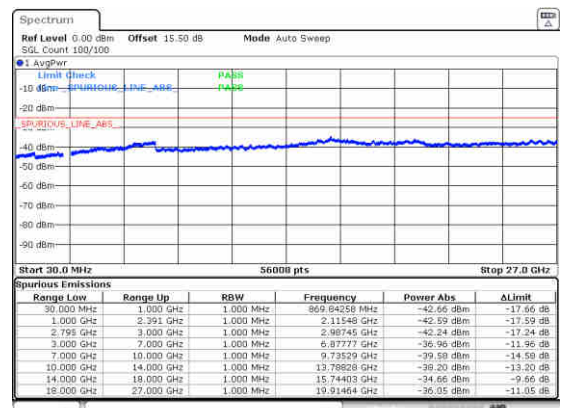
Middle Channel / 64QAM



Highest Channel / 16QAM



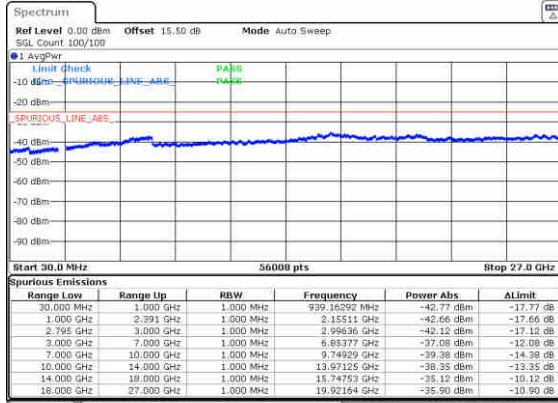
Highest Channel / 64QAM



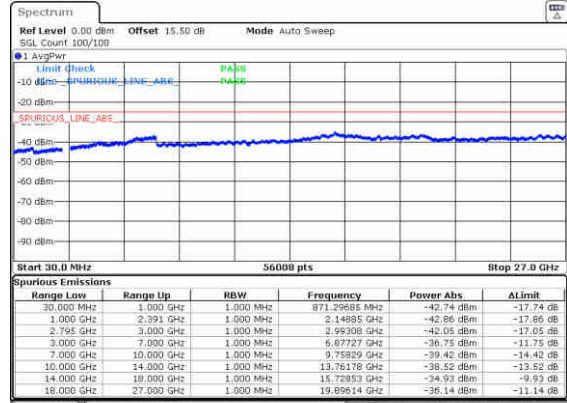


LTE 10MHz + NR 100MHz

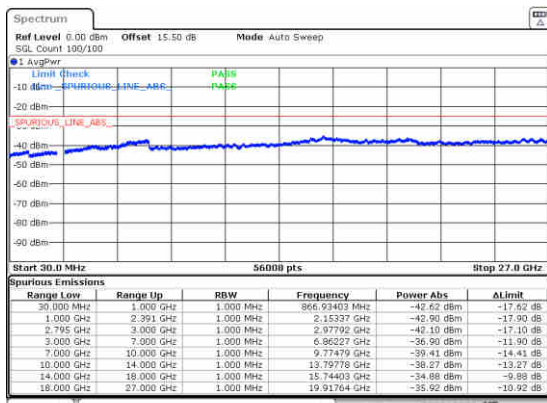
Lowest Channel / BPSK



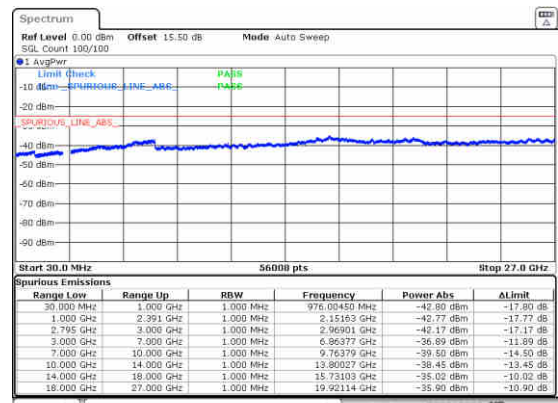
Lowest Channel / QPSK



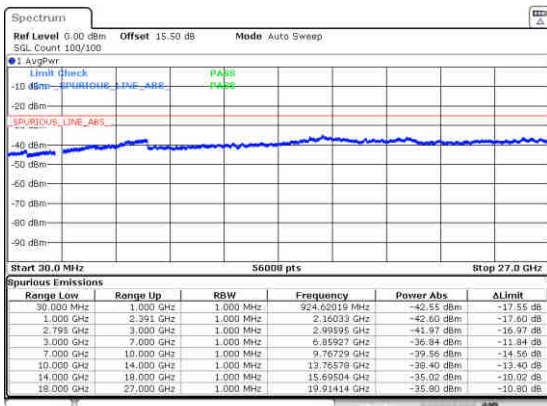
Middle Channel / BPSK



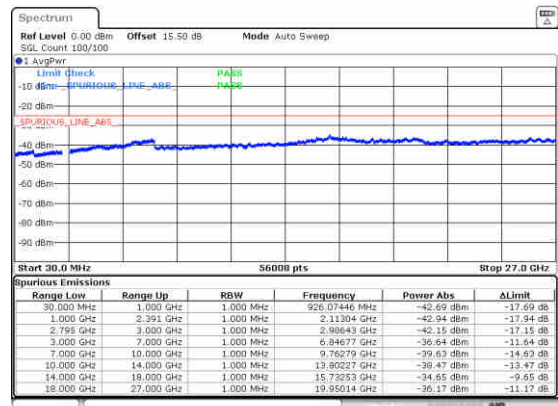
Middle Channel / QPSK



Highest Channel / BPSK



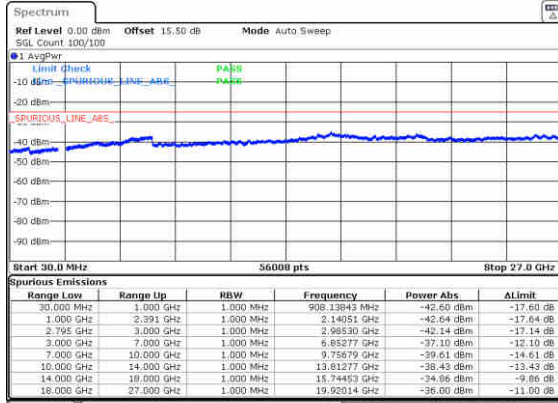
Highest Channel / QPSK



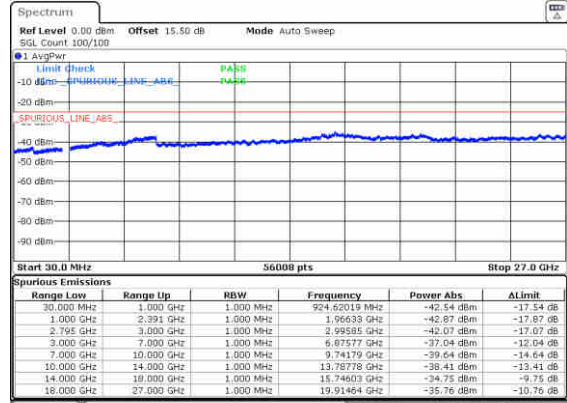


LTE 10MHz + NR 100MHz

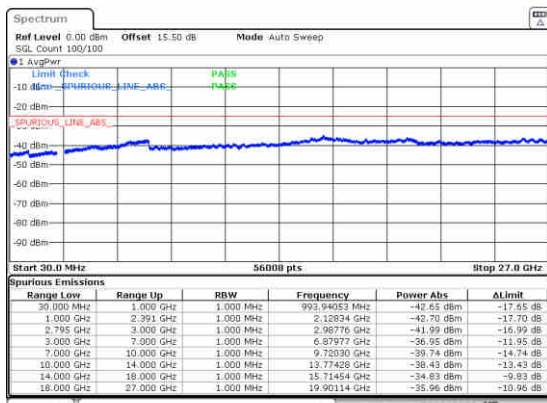
Lowest Channel / 16QAM



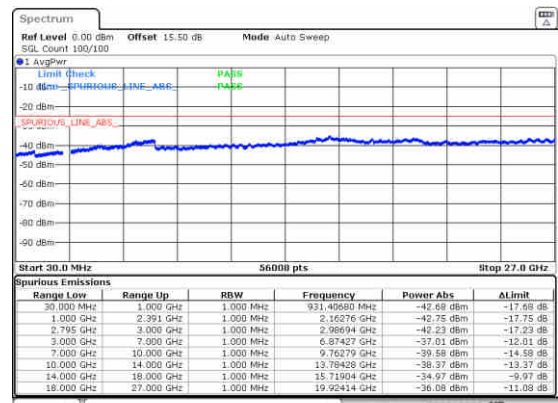
Lowest Channel / 64QAM



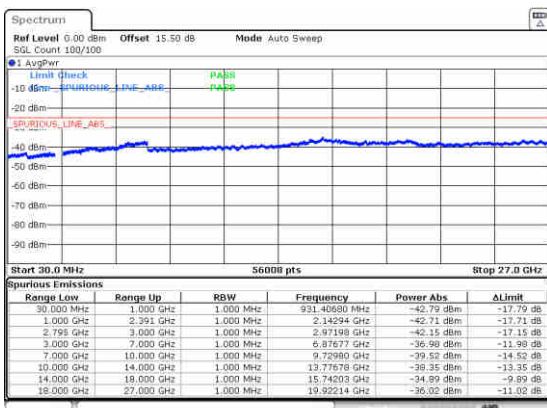
Middle Channel / 16QAM



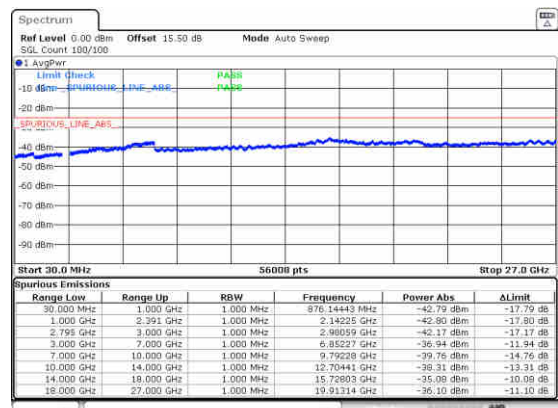
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM



**Frequency Stability**

Test Conditions		n41A (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	LTE 10MHz + NR 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

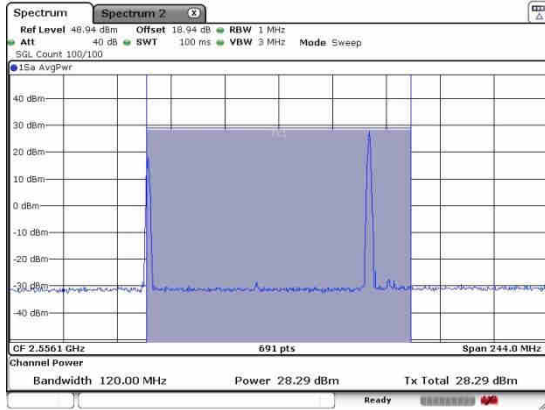
**EN-DC_n41AA****Peak-to-Average Ratio**

Mode	N 41 / 100MHz				
Mod.	BPSK		QPSK		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	5.08	7.59	5.17	7.45	PASS
Middle CH	4.93	7.65	4.36	7.45	
Highest CH	4.79	7.82	3.17	7.87	
Mode	N41 / 100MHz				
Mod.	16QAM		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	7.32	5.03	7.05	PASS
Middle CH	4.98	7.19	5.21	7.01	
Highest CH	7.64	7.4	7.69	7.21	

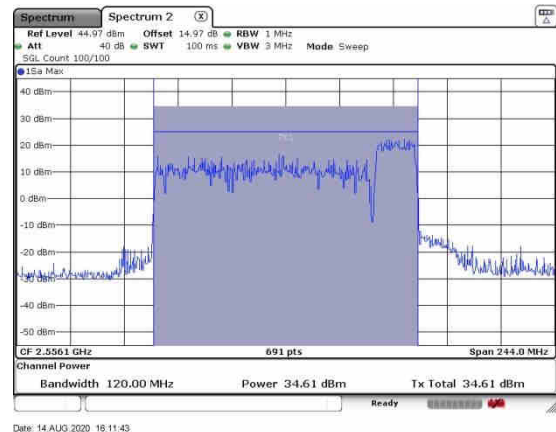
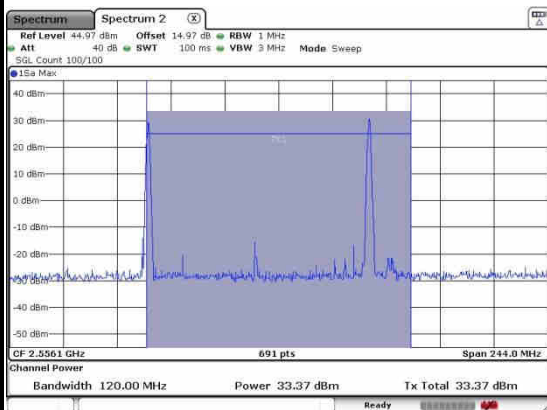
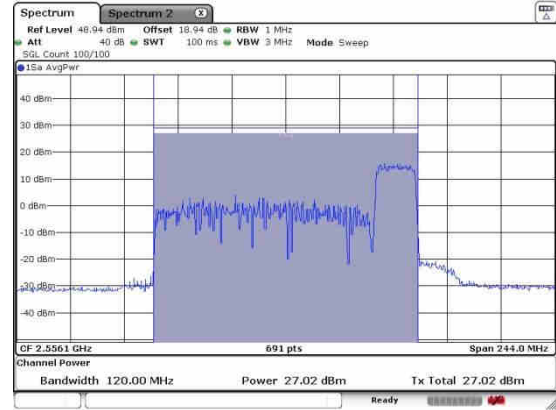


NR 41-CCDF

L 1RB0 BPSK

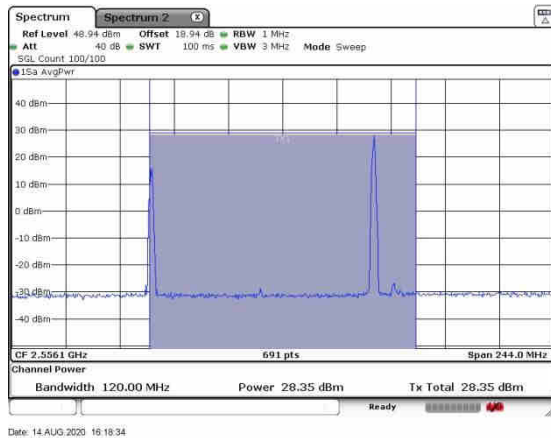


L FULLRB BPSK

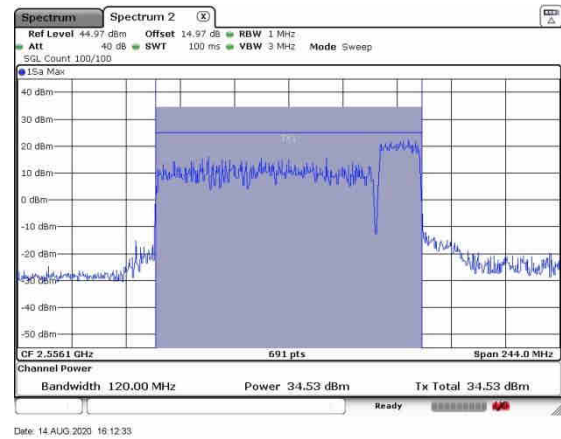
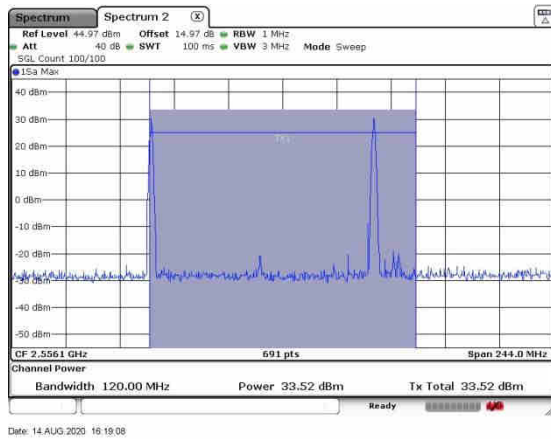
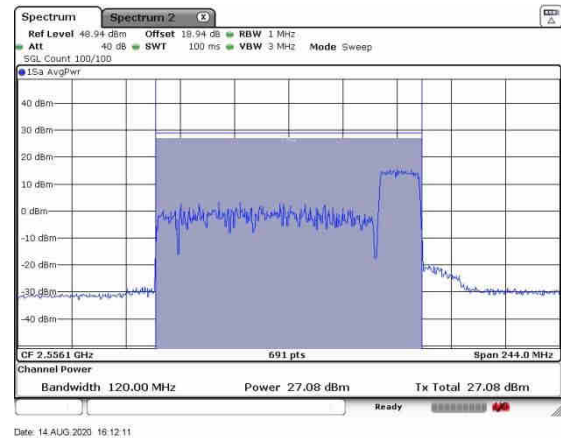




L 1RB0 QPSK

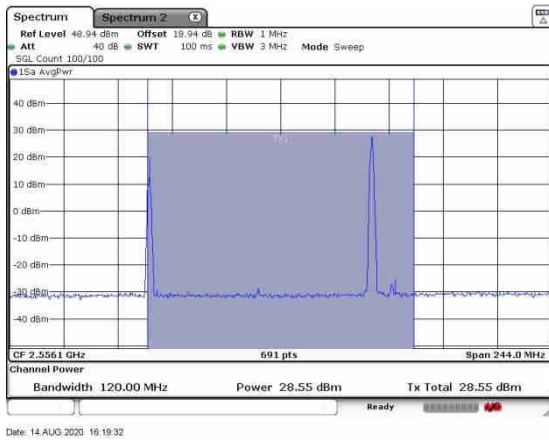


L FULLRB QPSK

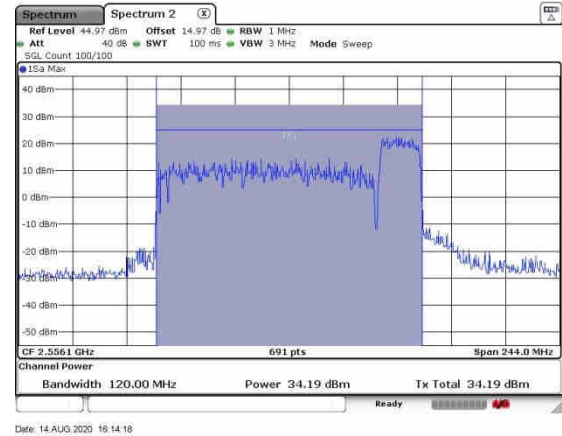
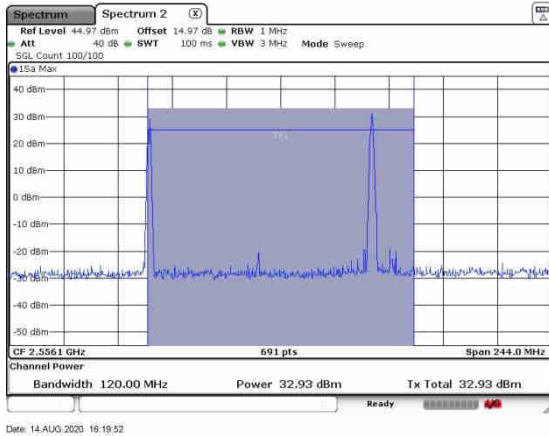
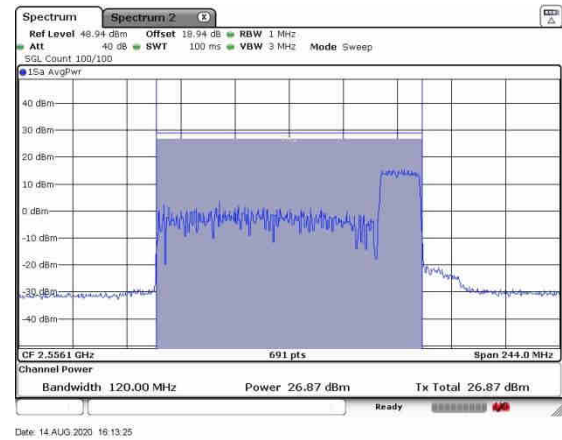




L 1RB0 16QAM

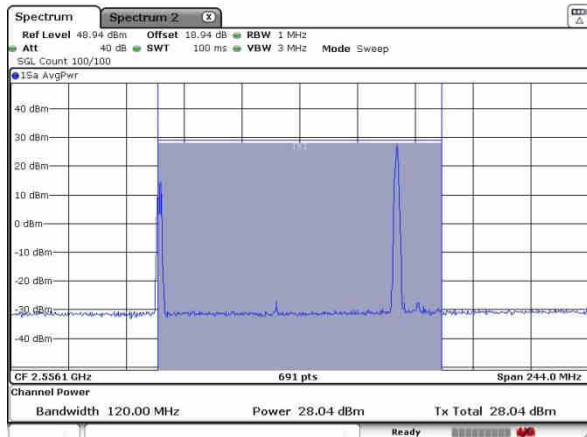


L FULLRB 16QAM



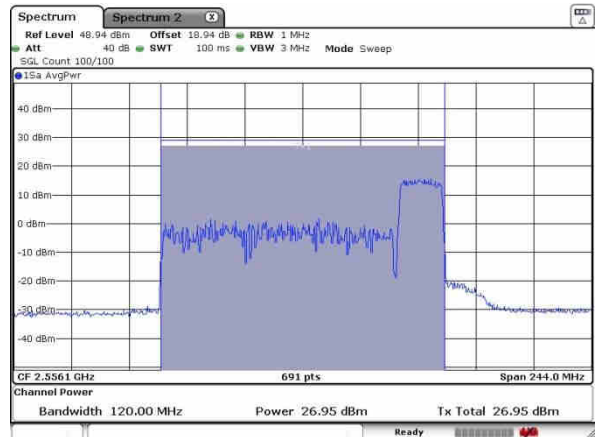


L 1RB0 64QAM

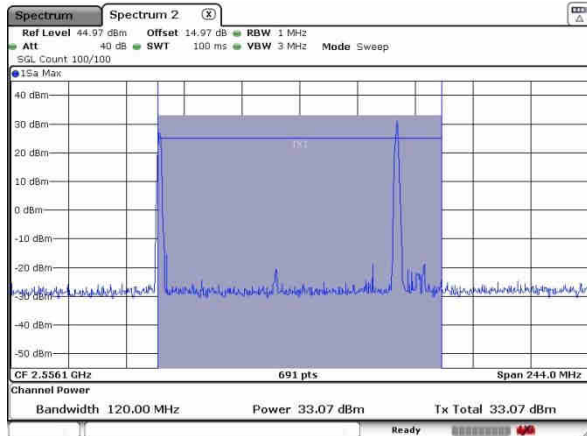


Date: 14.AUG.2020 16:20:23

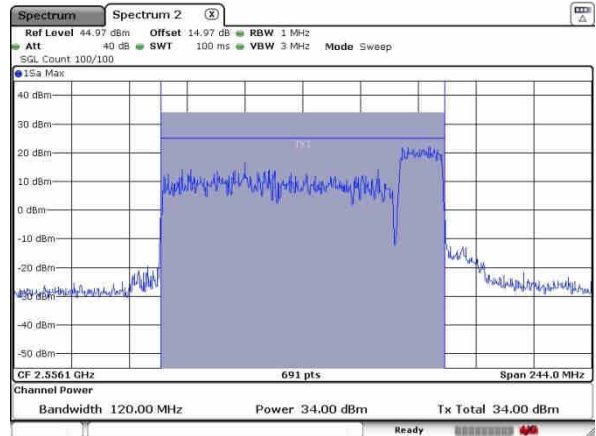
L FULLRB 64QAM



Date: 14.AUG.2020 16:14:43



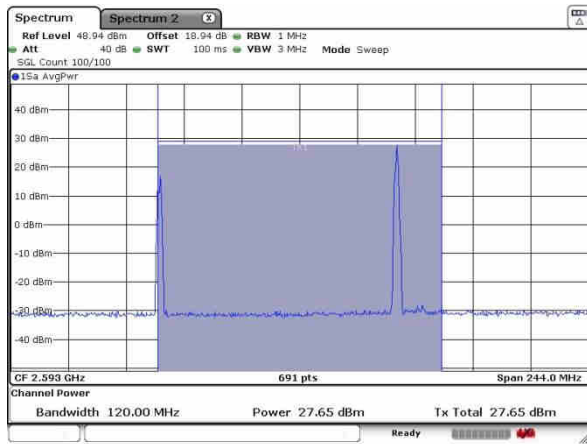
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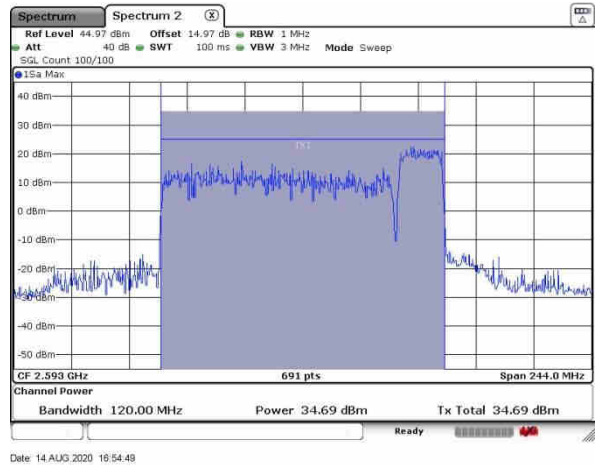
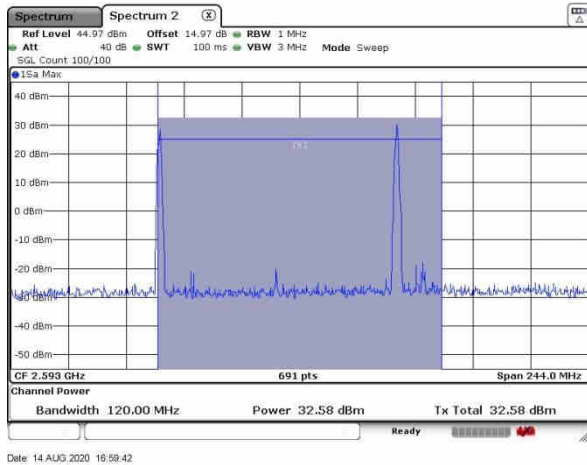
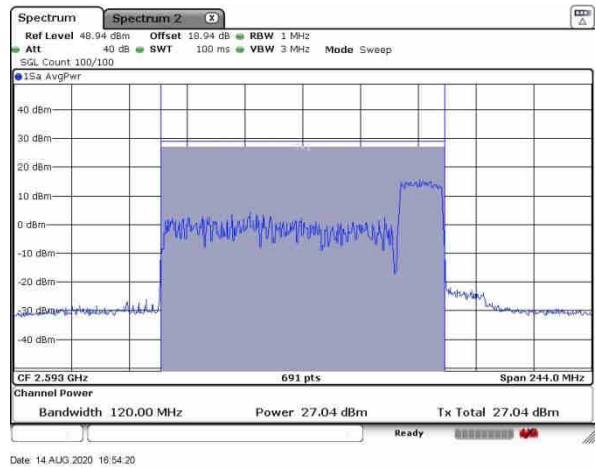
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M 1RB0 BPSK

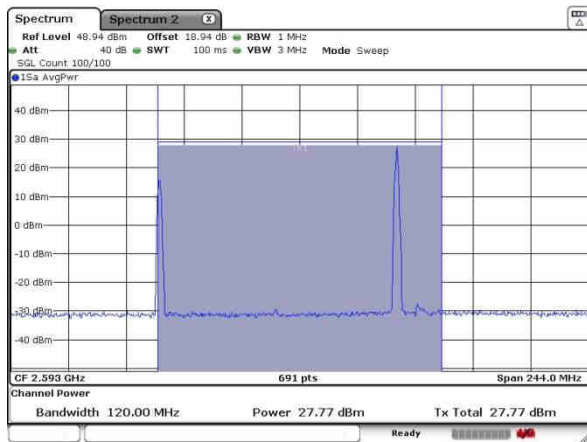


M FULLRB BPSK

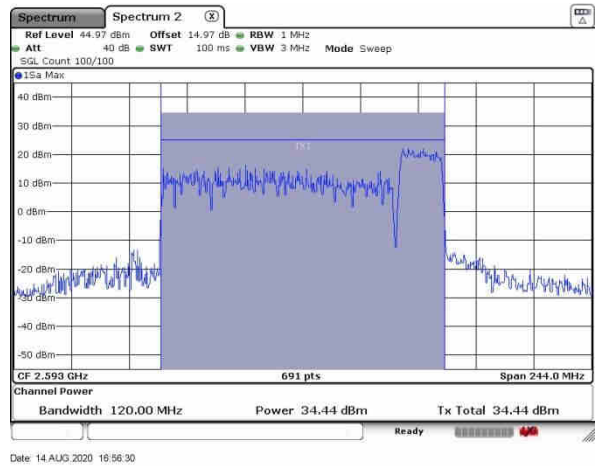
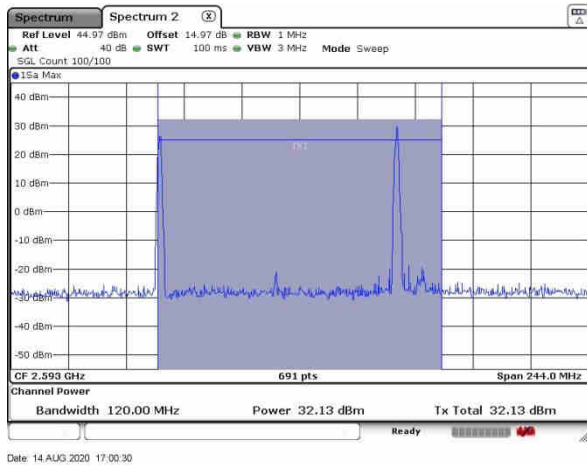
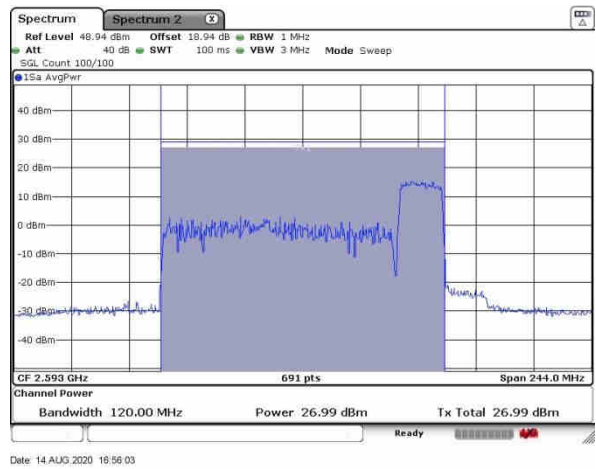




M 1RB0 QPSK

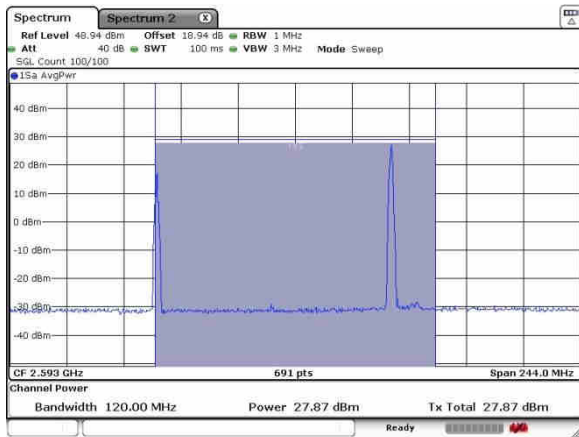


M FULLRB QPSK



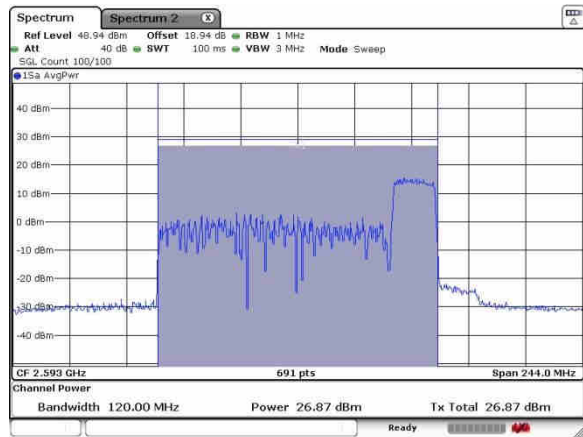


M 1RB0 16QAM

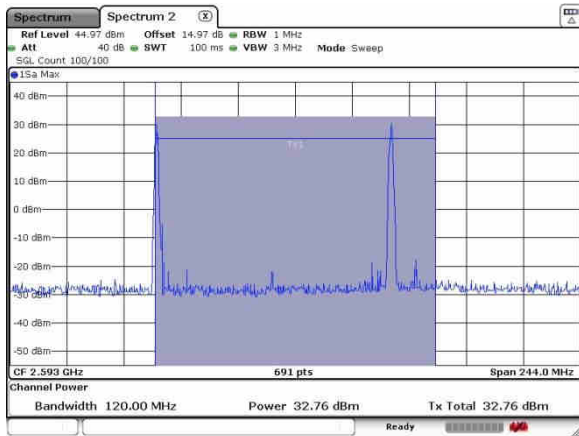


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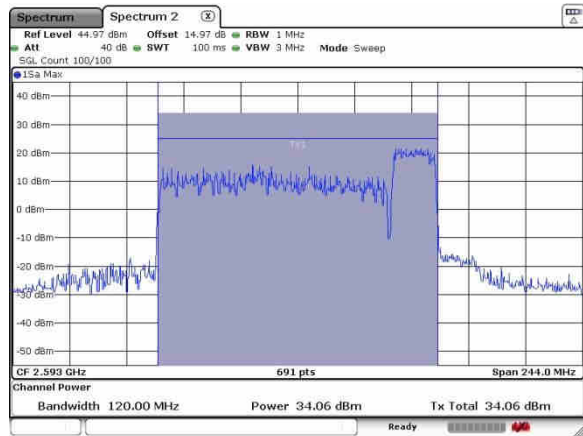
M FULLRB 16QAM



Date: 14.AUG.2020 16:57:06



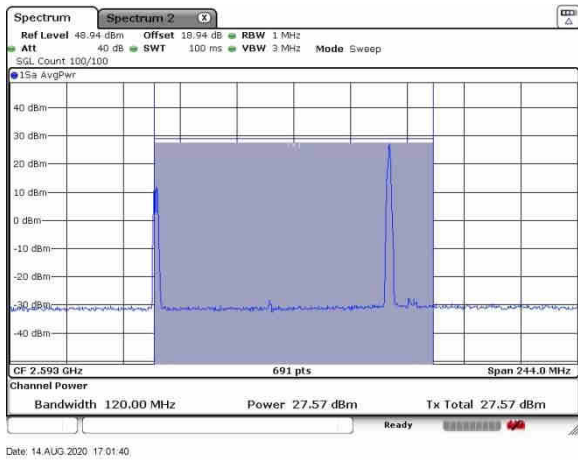
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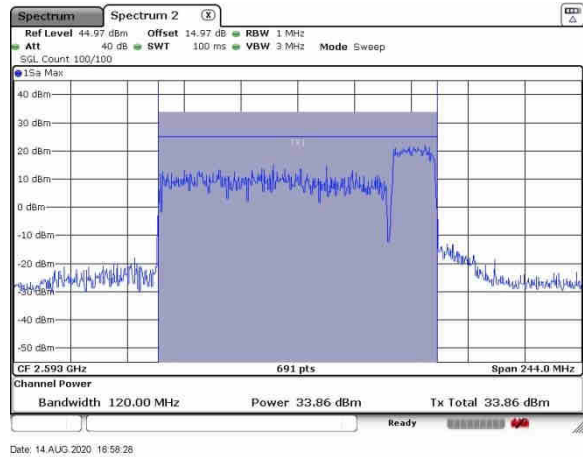
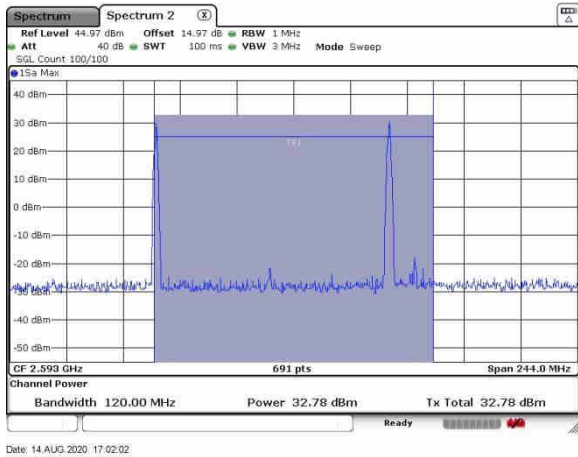
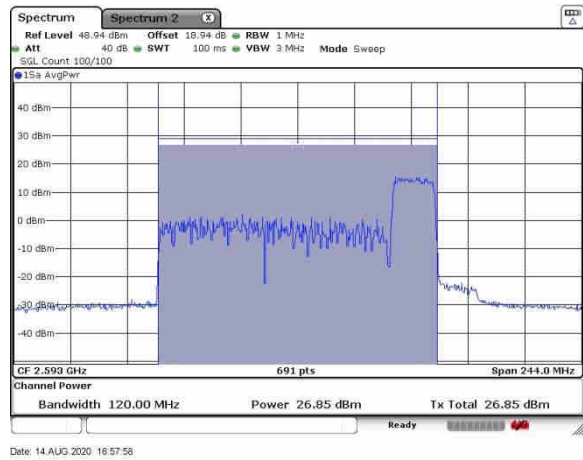
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M 1RB0 64QAM

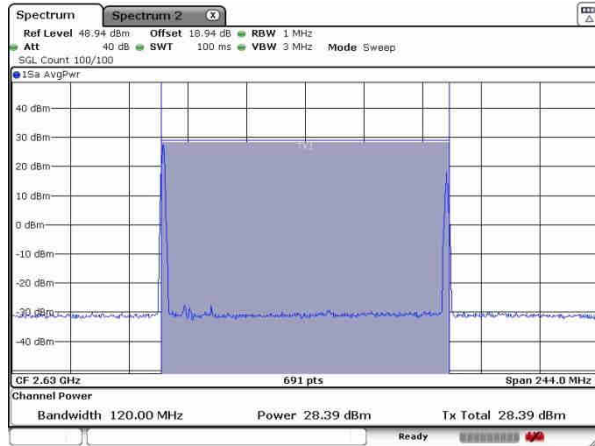


M FULLRB 64QAM

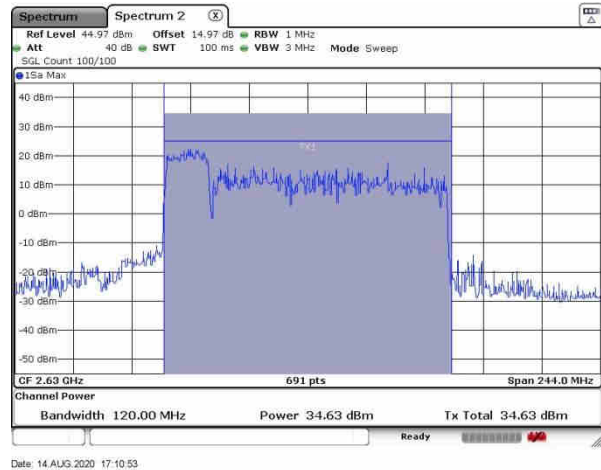
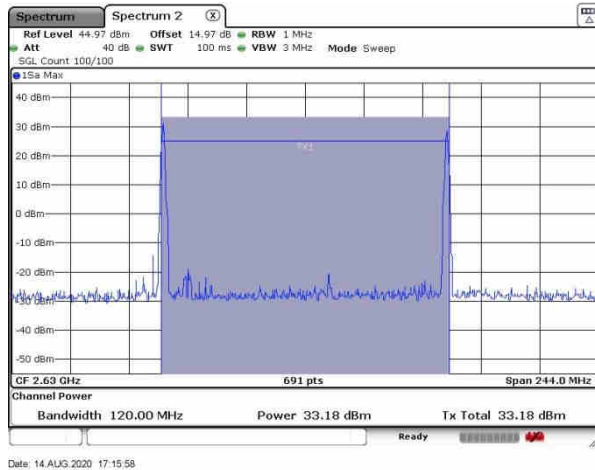
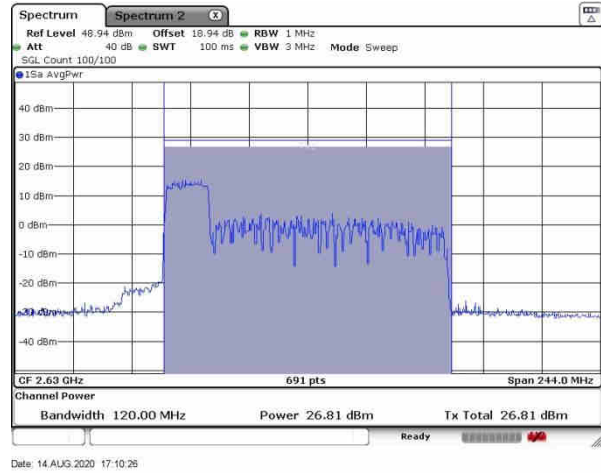




H 1RB0 BPSK

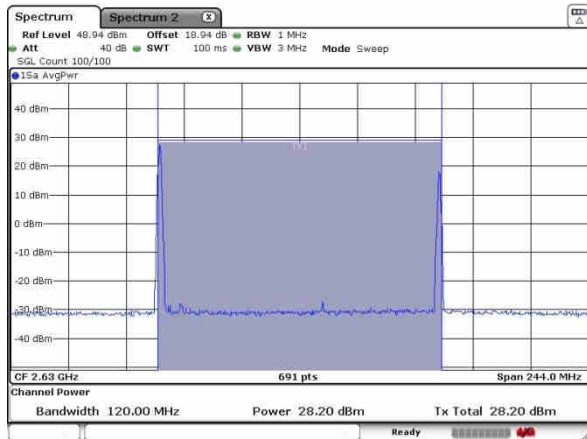


H FULLRB BPSK



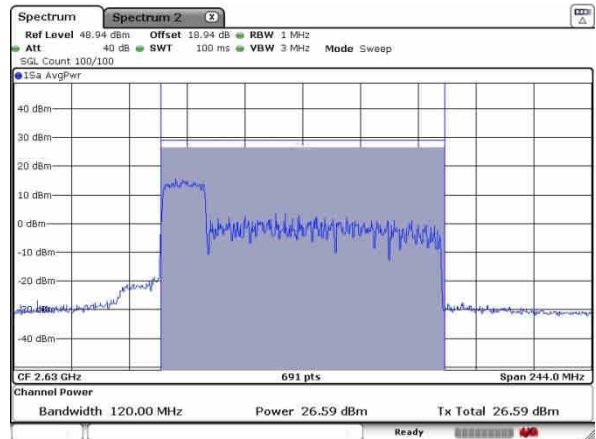


H 1RB0 QPSK

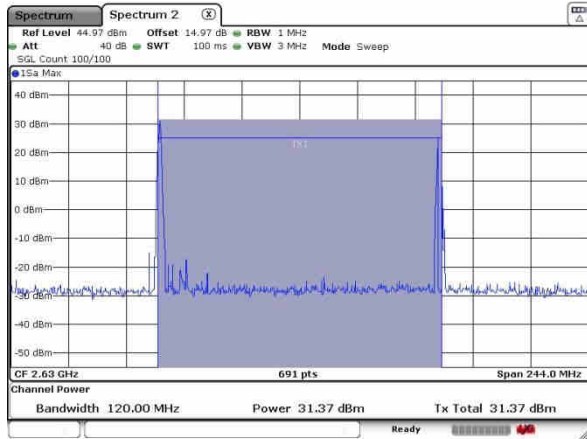


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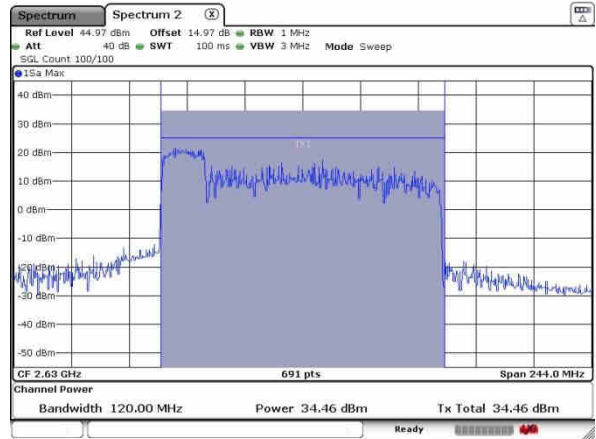
H FULLRB QPSK



Date: 14.AUG.2020 17:11:44



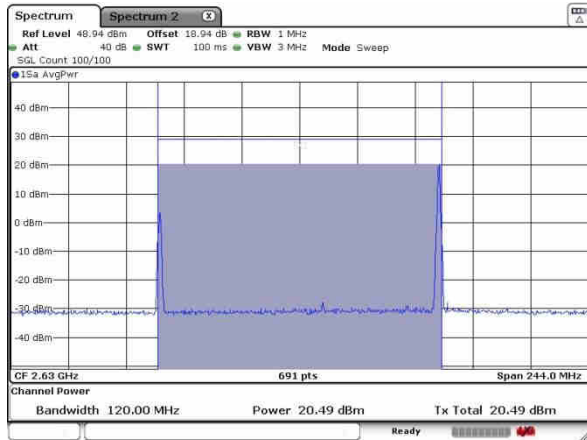
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Date: 14.AUG.2020 17:12:09

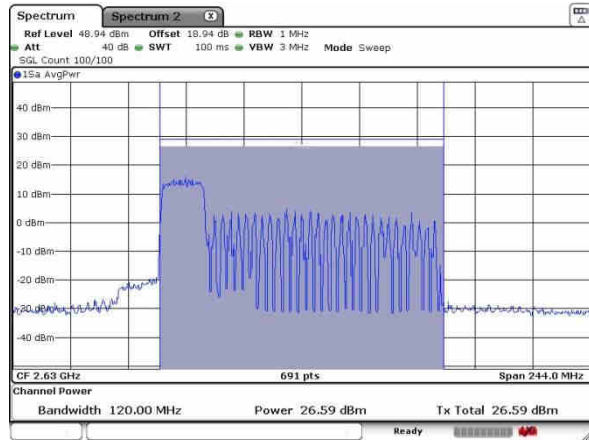


H 1RB0 16QAM

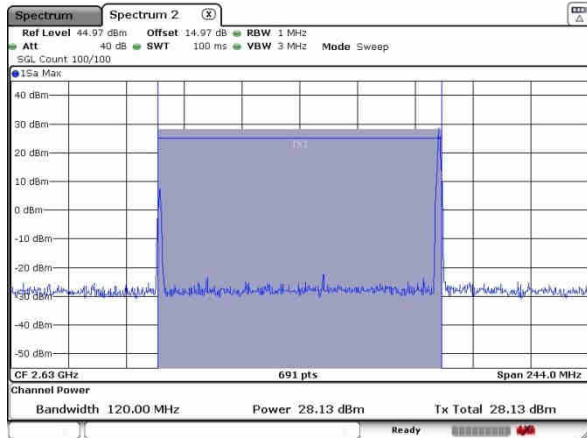


Date: 14 AUG 2020 18:02:55

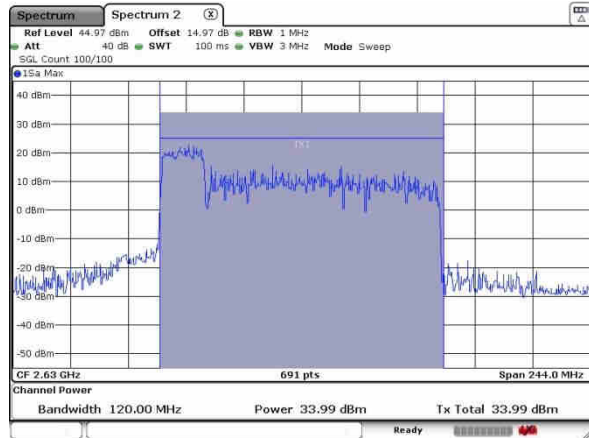
H FULLRB 16QAM



Date: 14 AUG 2020 17:12:44



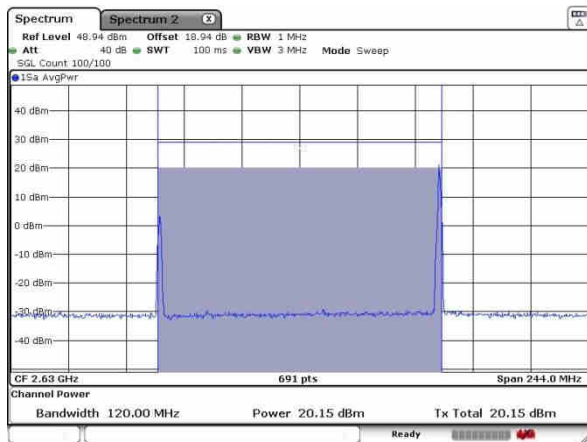
Date: 14 AUG 2020 17:29:53



Date: 14 AUG 2020 17:13:07

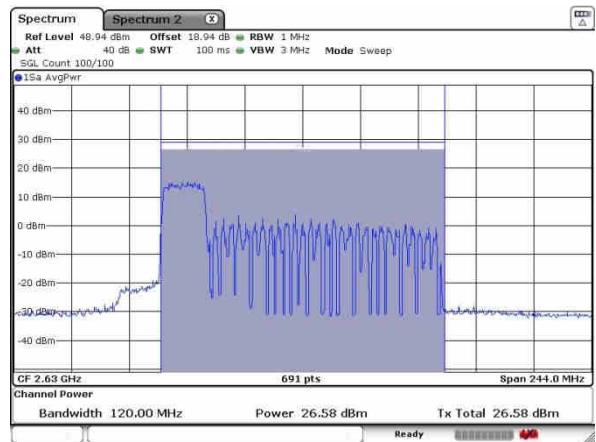


H 1RB0 64QAM

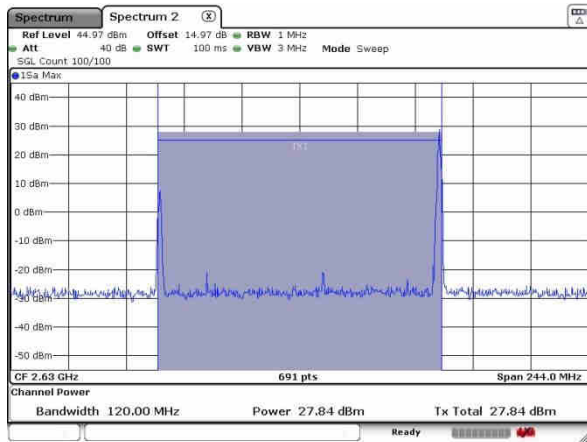


Date: 14 AUG 2020 18:02:32

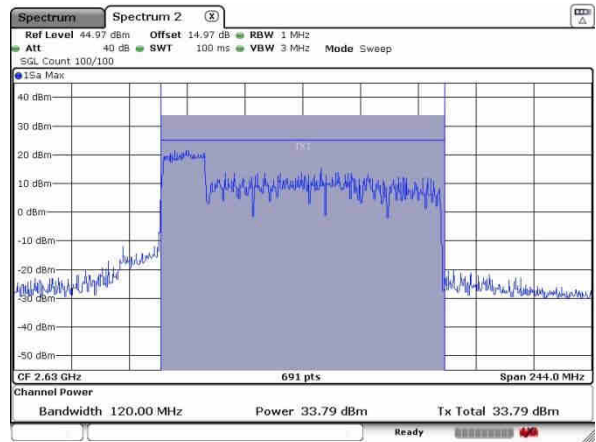
H FULLRB 64QAM



Date: 14 AUG 2020 17:13:29



Date: 14 AUG 2020 17:30:42



Date: 14 AUG 2020 17:14:07

**26dB Bandwidth**

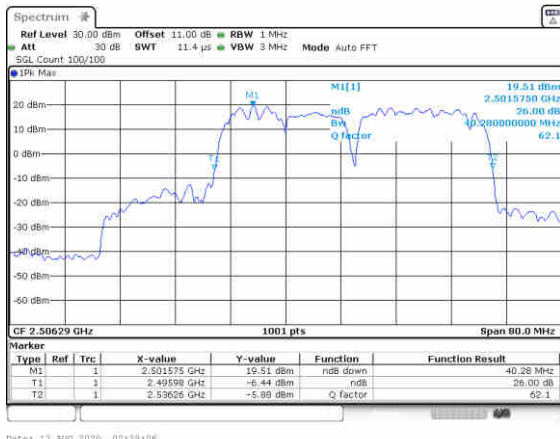
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK	BPSK	QPSK
Lowest CH	40.28	40.28	61.98	62.10	71.89	72.03	82.16	81.84	101.70	102.10	111.75	11.75
Middle CH	40.04	40.44	61.68	61.98	72.17	71.61	82.32	81.52	102.30	102.10	111.75	112.07
Highest CH	37.08	36.84	59.70	59.34	69.93	70.21	81.84	80.40	100.90	101.50	111.43	111.11
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM	16QAM	64QAM
Lowest CH	40.28	40.20	61.98	61.98	71.75	71.75	82.48	82.00	101.70	101.50	111.43	111.43
Middle CH	40.28	40.28	61.62	62.10	71.75	71.89	82.00	81.84	101.90	102.10	111.43	111.75
Highest CH	36.84	37.08	59.94	59.58	70.07	68.11	81.68	82.16	101.73	101.30	110.80	110.80
Mode	N 41 : 26dB BW(MHz)											
BW	100MHz											
Mod.	BPSK	QPSK	16QAM	64QAM								
Lowest CH	121.91	122.26	122.26	121.91								
Middle CH	121.91	122.26	121.91	121.56								
Highest CH	120.52	120.87	120.52	118.78								



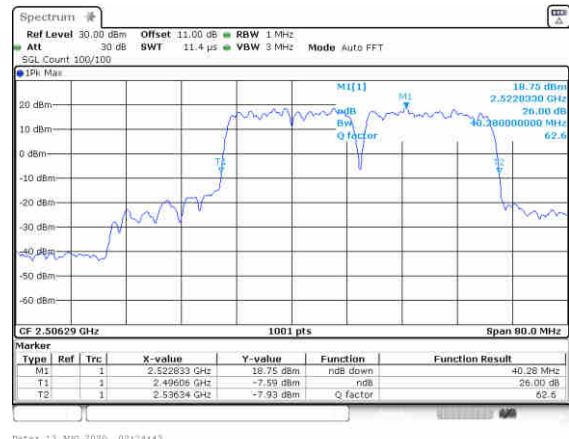
EN-DC_n41AA

Combination LTE 20MHz + NR 20MHz

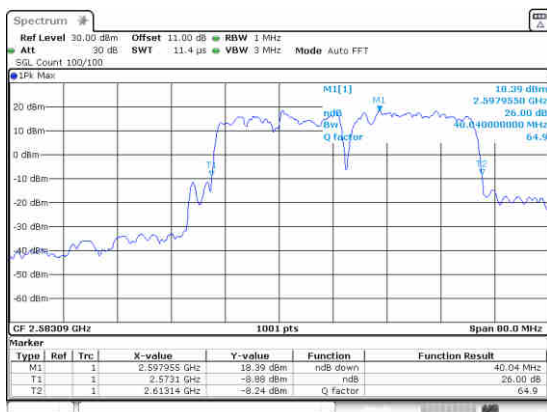
Lowest Channel / BPSK



Lowest Channel / QPSK



Middle Channel / BPSK



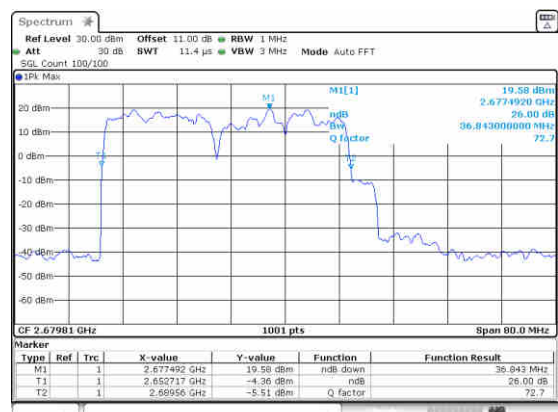
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

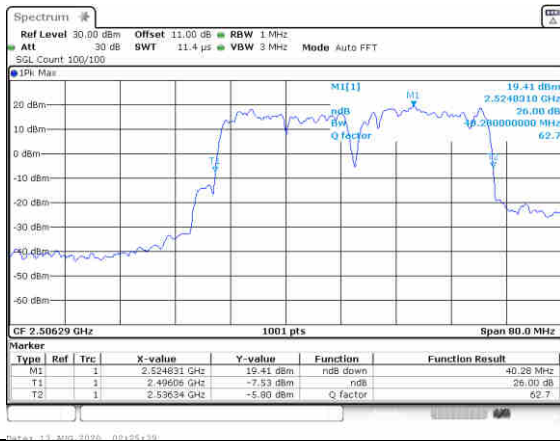




EN-DC_n41AA

Combination LTE 20MHz + NR 20MHz

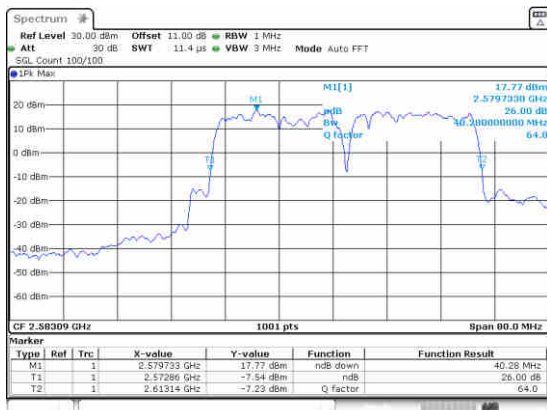
Lowest Channel / 16QAM



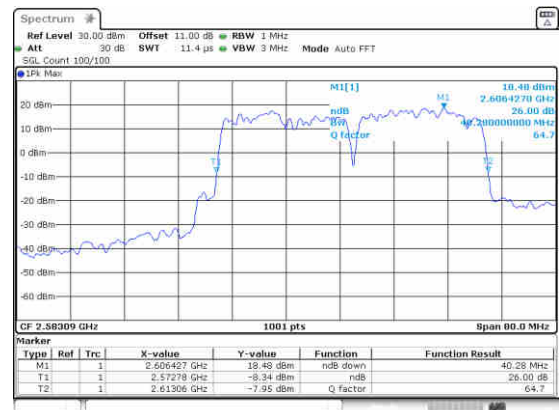
Lowest Channel / 64QAM



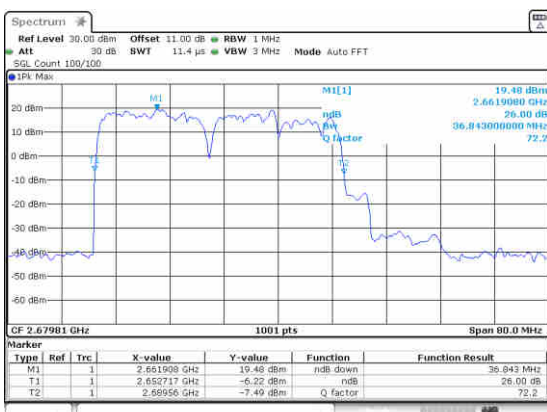
Middle Channel / 16QAM



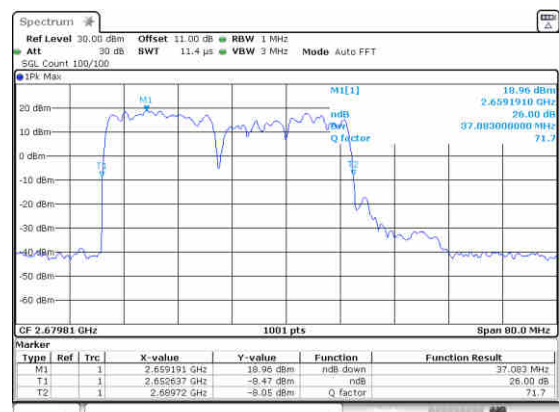
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

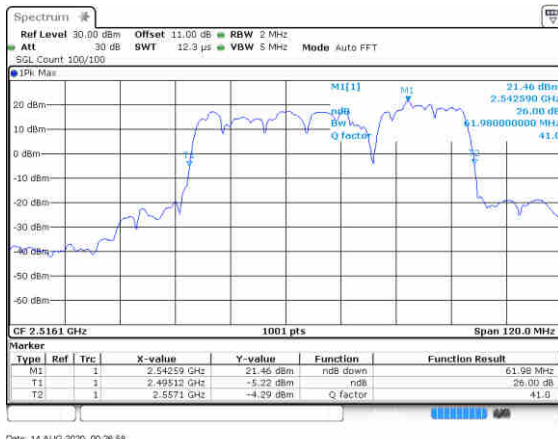




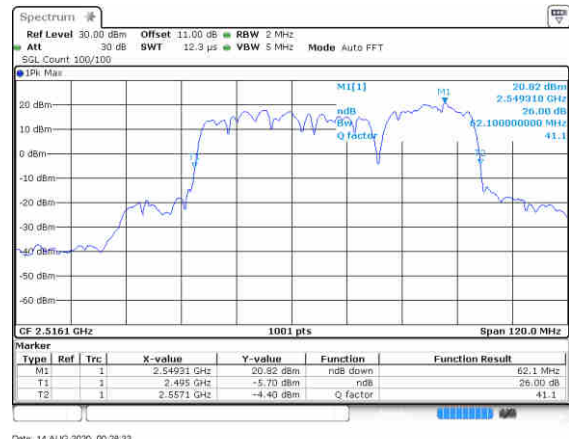
EN-DC_n41AA

Combination LTE 20MHz + NR 40MHz

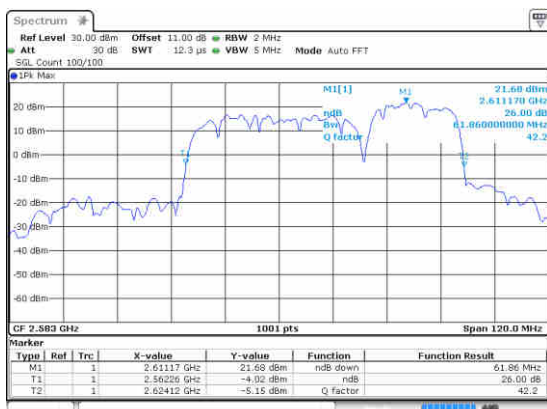
Lowest Channel / BPSK



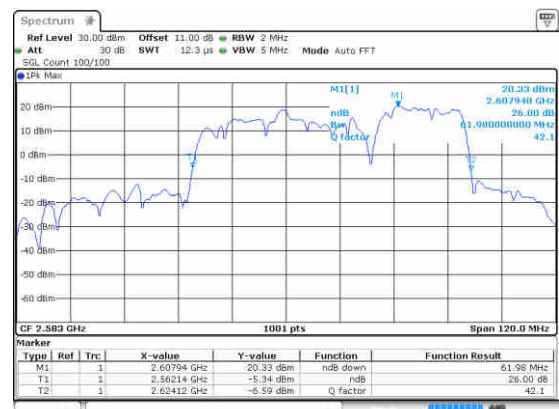
Lowest Channel / QPSK



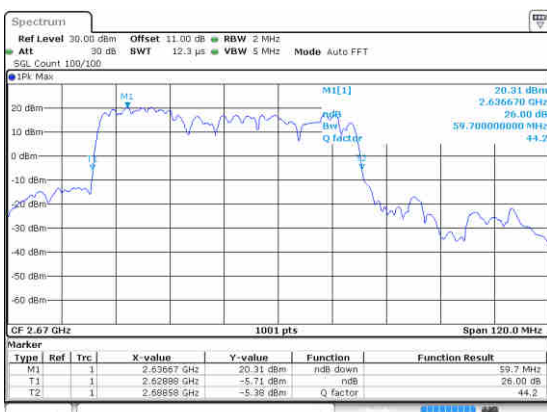
Middle Channel / BPSK



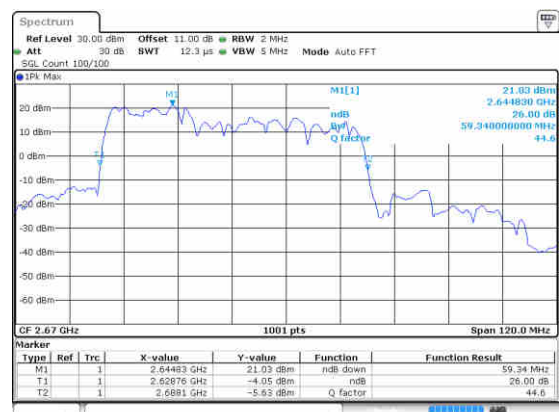
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK





EN-DC_n41AA

Combination LTE 20MHz + NR 40MHz

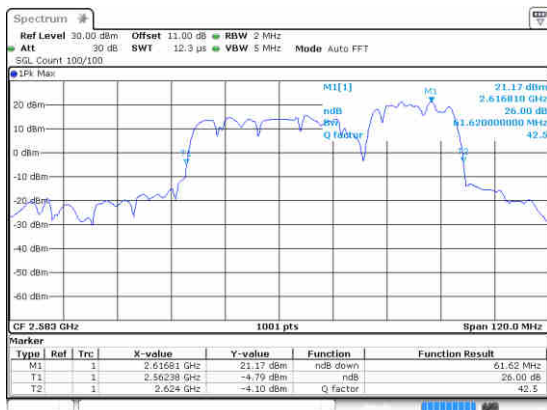
Lowest Channel / 16QAM



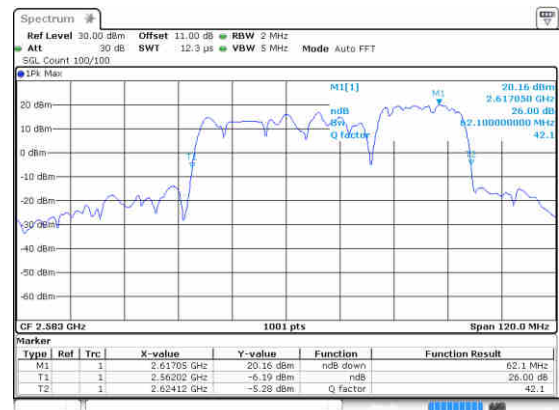
Lowest Channel / 64QAM



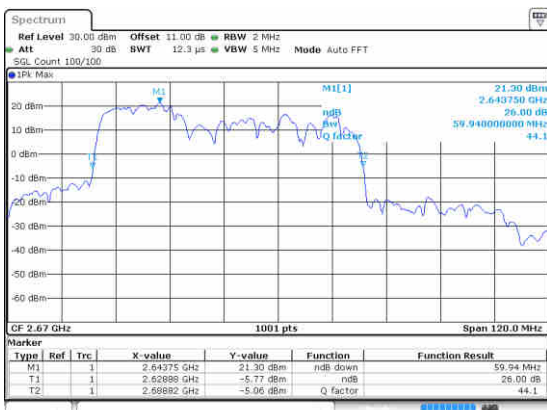
Middle Channel / 16QAM



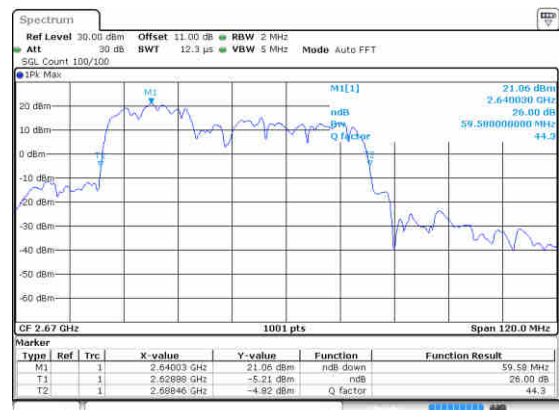
Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM





EN-DC_n41AA

Combination LTE 20MHz + NR 50MHz

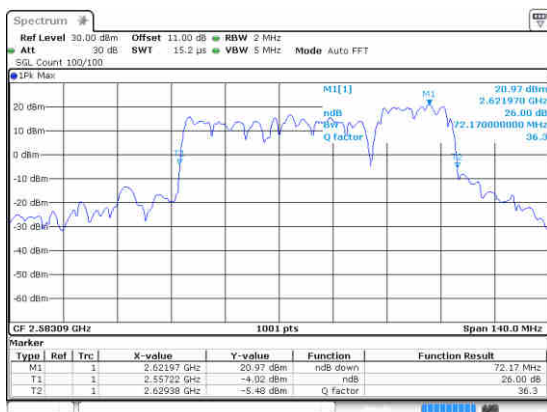
Lowest Channel / BPSK



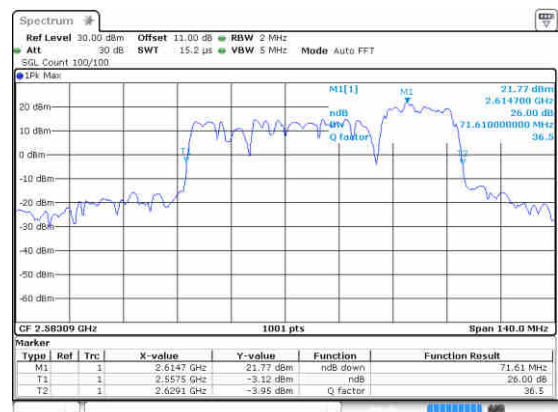
Lowest Channel / QPSK



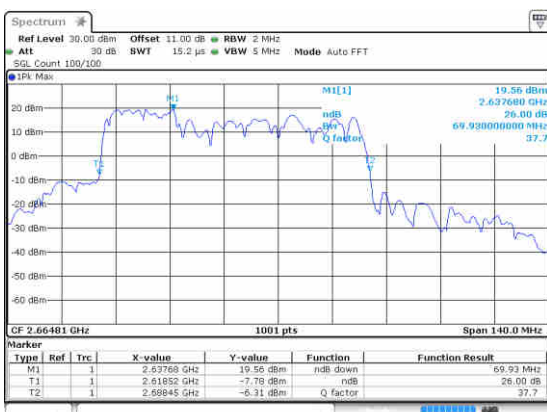
Middle Channel / BPSK



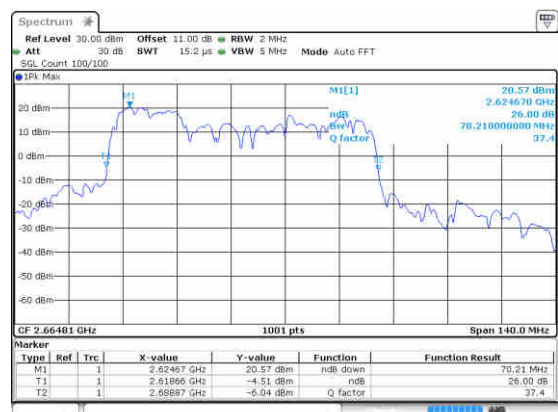
Middle Channel / QPSK



Highest Channel / BPSK



Highest Channel / QPSK

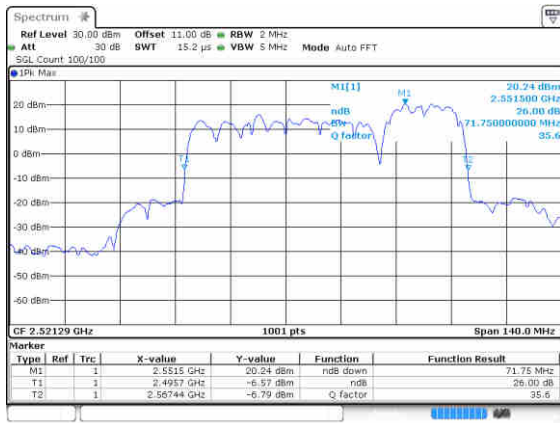




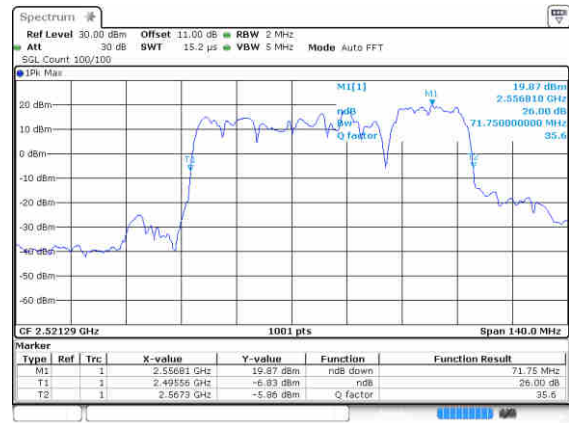
EN-DC_n41AA

Combination LTE 20MHz + NR 50MHz

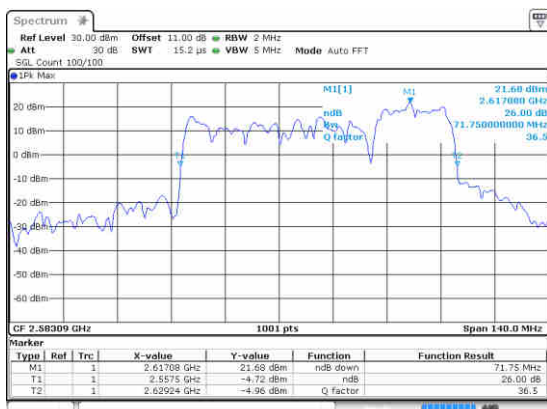
Lowest Channel / 16QAM



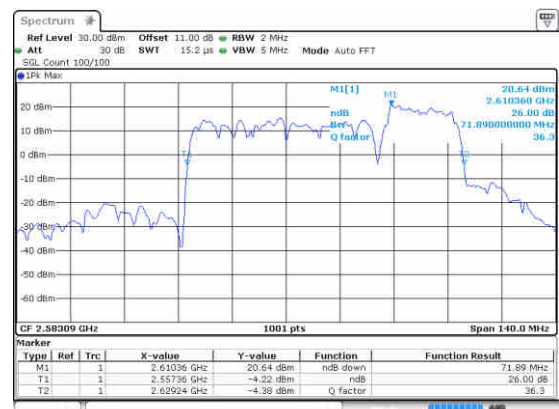
Lowest Channel / 64QAM



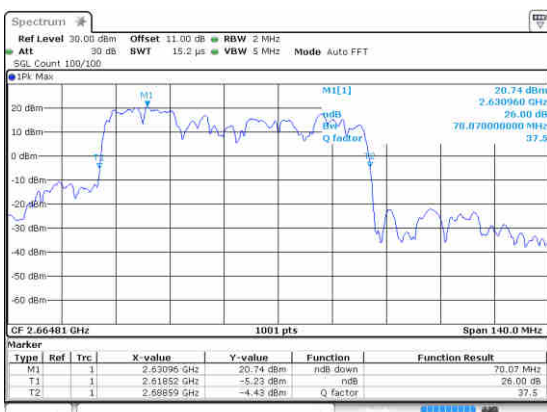
Middle Channel / 16QAM



Middle Channel / 64QAM



Highest Channel / 16QAM



Highest Channel / 64QAM

