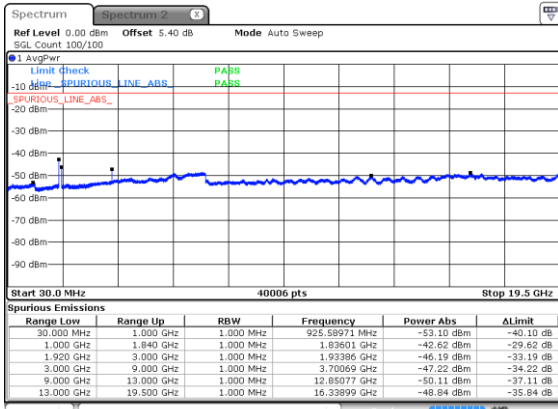


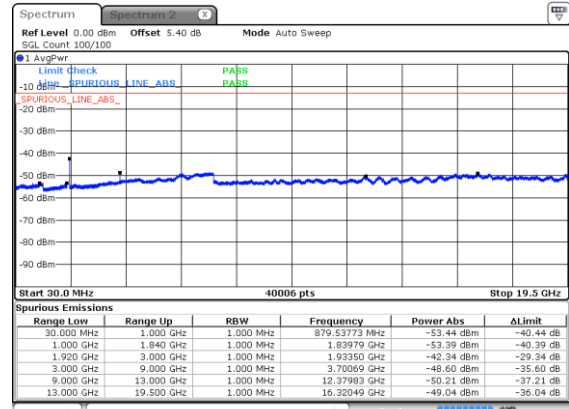


N25 5MHz

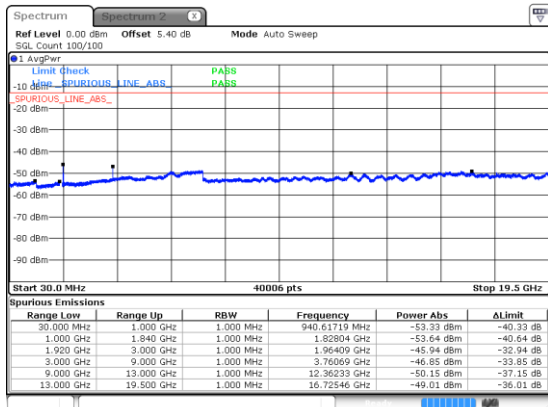
Lowest Channel / 16QAM



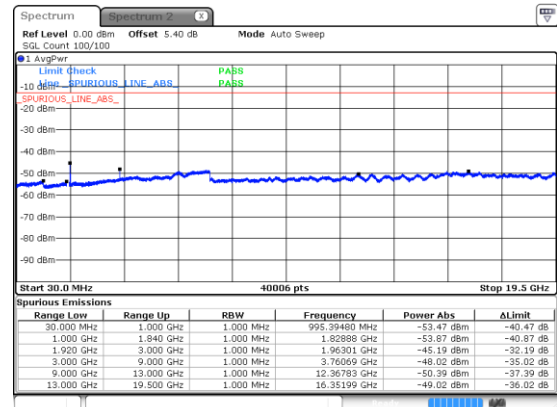
Lowest Channel / 64QAM



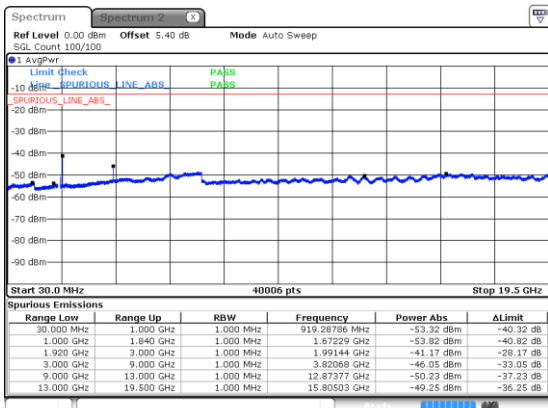
Middle Channel / 16QAM



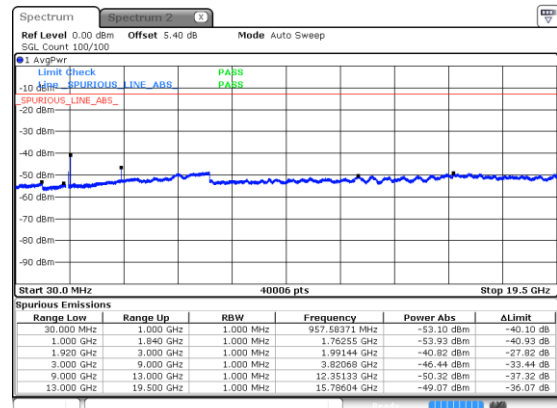
Middle Channel / 64QAM



Highest Channel / 16QAM



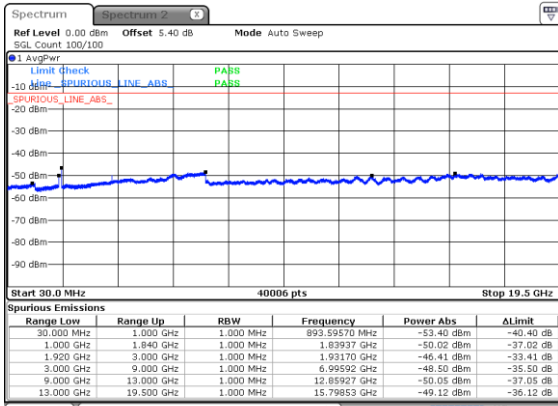
Highest Channel / 64QAM



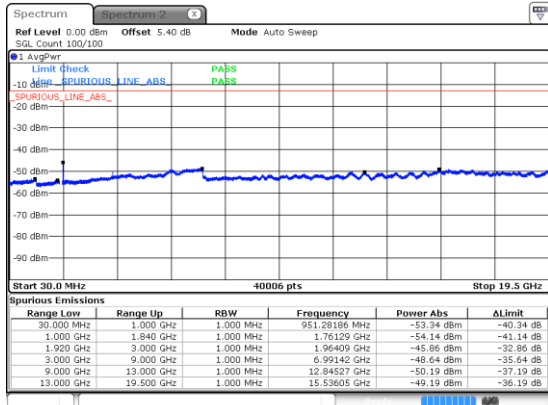


n25 NR 5MHz

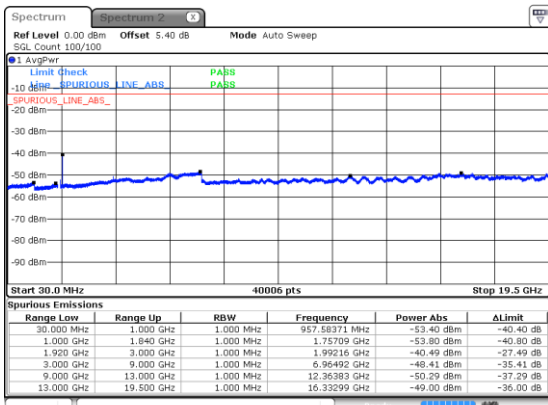
Lowest Channel / 256QAM



Middle Channel / 256QAM



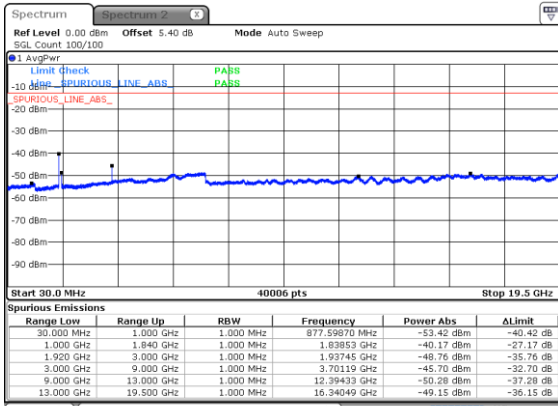
Highest Channel / 256QAM



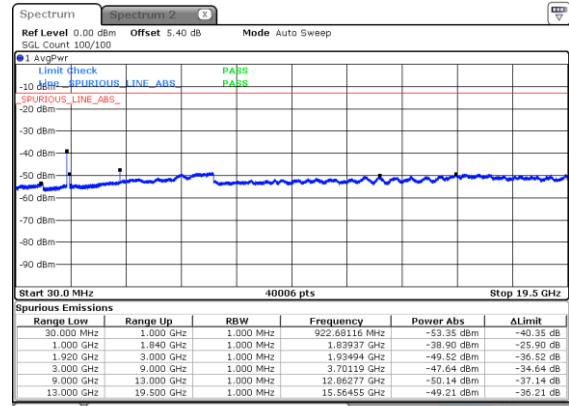


n25 10MHz

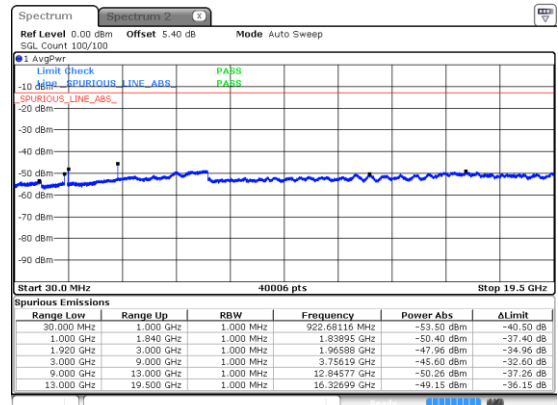
Lowest Channel / BPSK



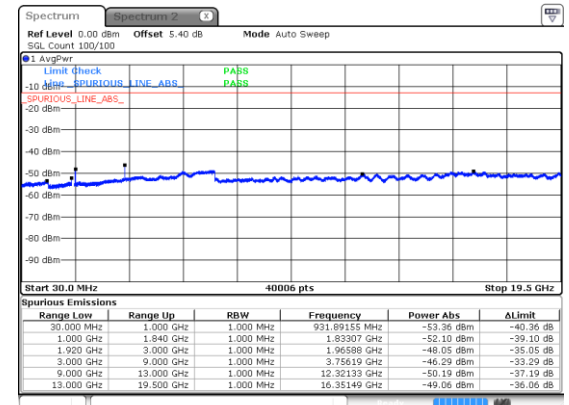
Lowest Channel / QPSK



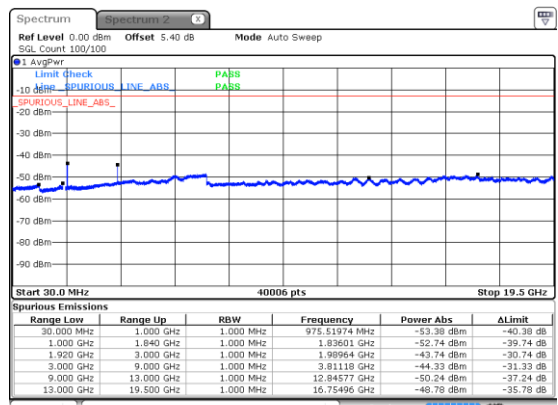
Middle Channel / BPSK



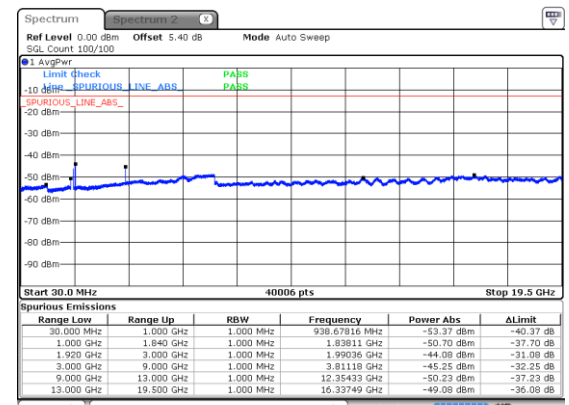
Middle Channel / QPSK



Highest Channel / BPSK



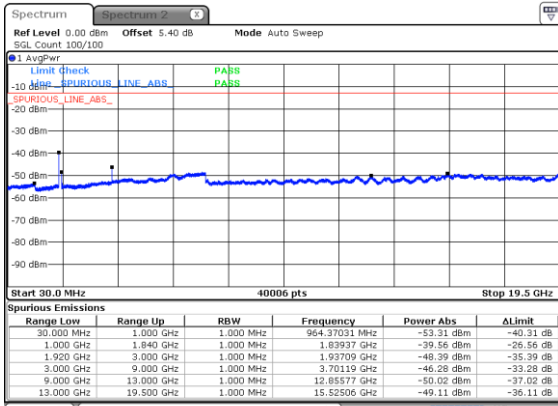
Highest Channel / QPSK



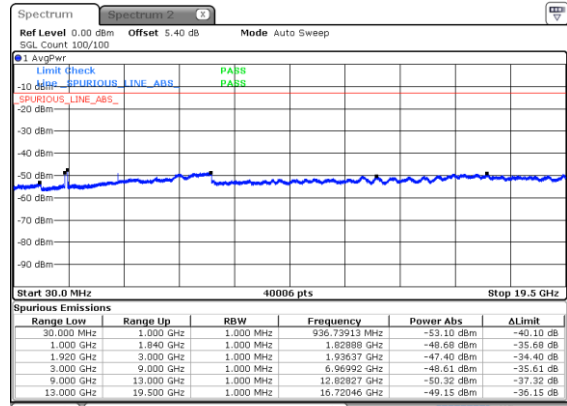


N25 10MHz

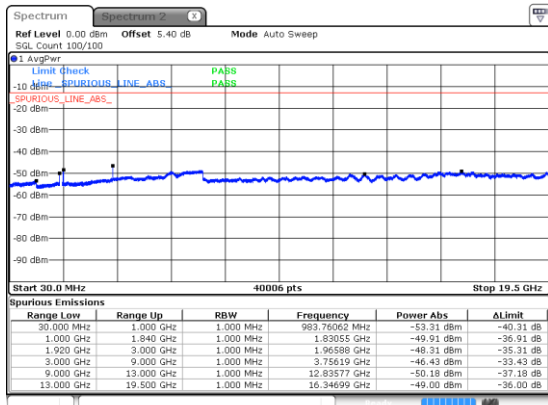
Lowest Channel / 16QAM



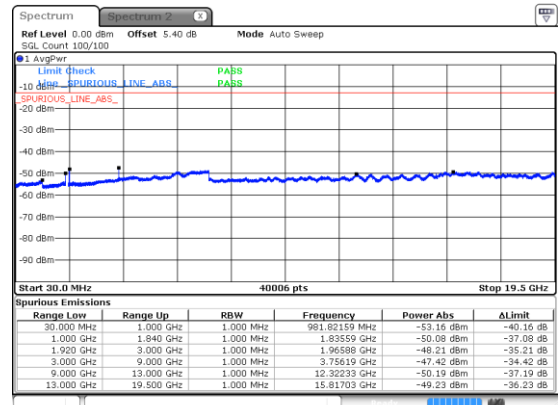
Lowest Channel / 64QAM



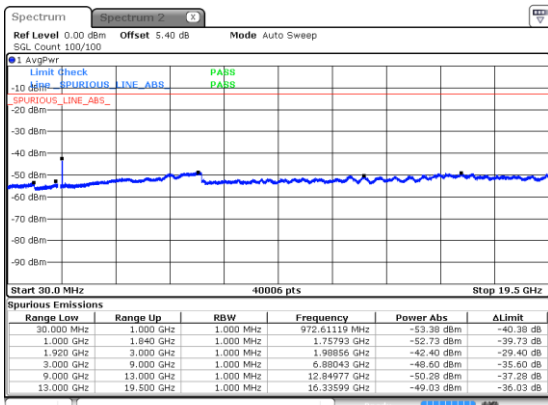
Middle Channel / 16QAM



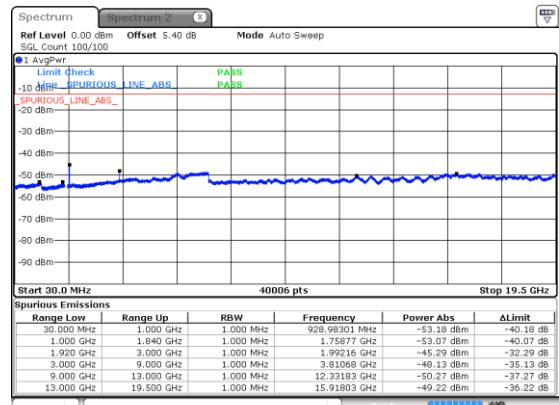
Middle Channel / 64QAM



Highest Channel / 16QAM



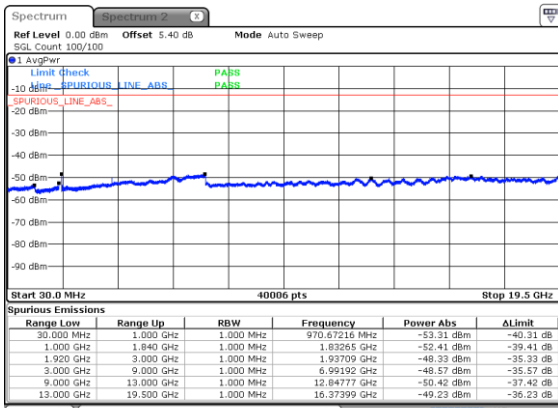
Highest Channel / 64QAM



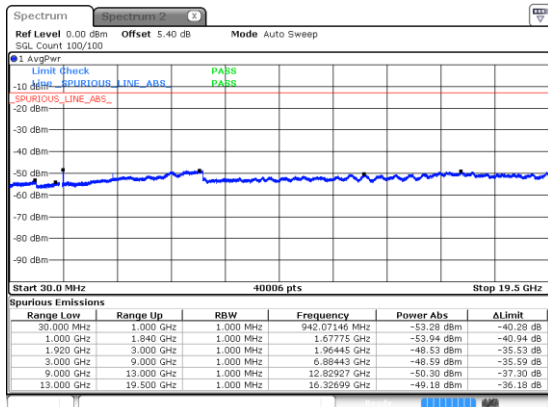


N25 10MHz

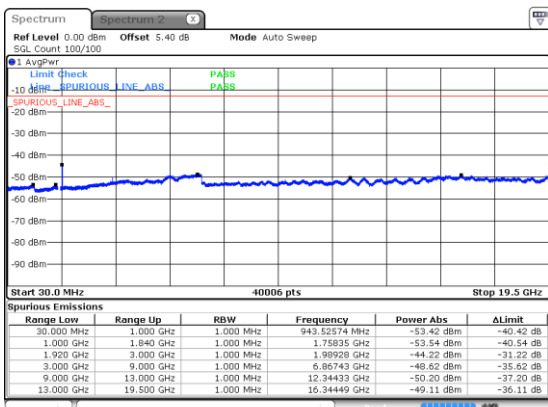
Lowest Channel / 256QAM



Middle Channel / 256QAM



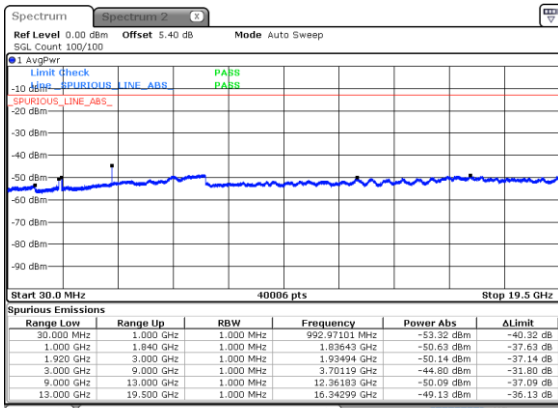
Highest Channel / 256QAM



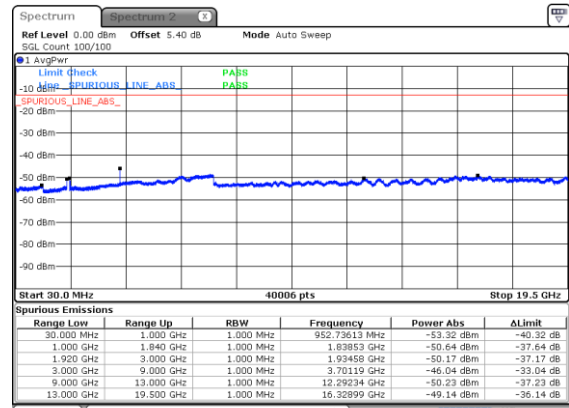


N25 15MHz

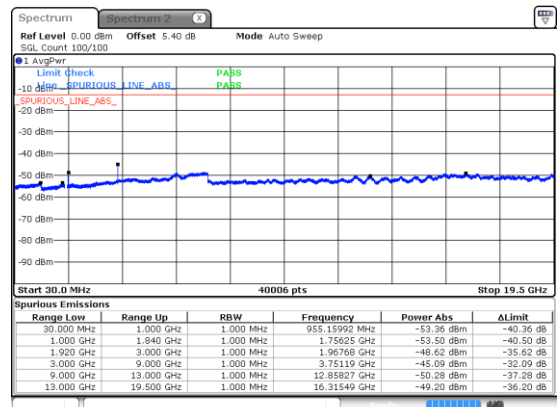
Lowest Channel / BPSK



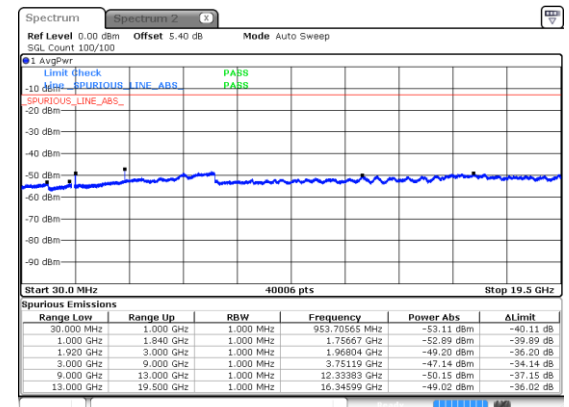
Lowest Channel / QPSK



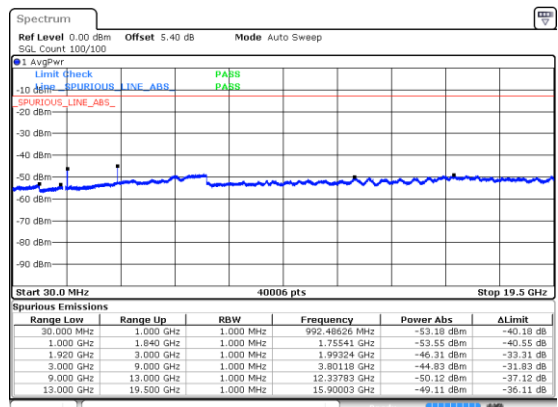
Middle Channel / BPSK



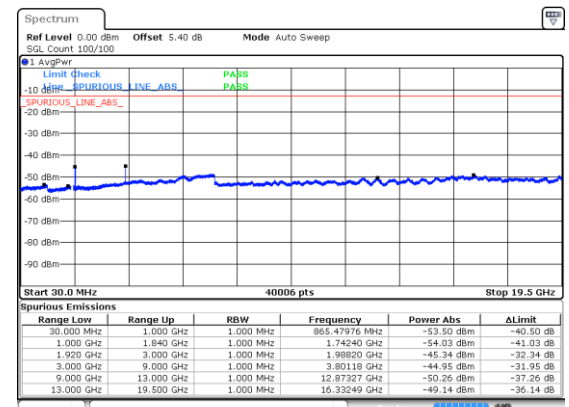
Middle Channel / QPSK



Highest Channel / BPSK



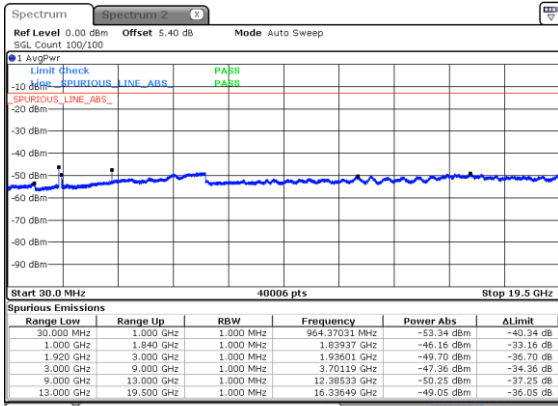
Highest Channel / QPSK



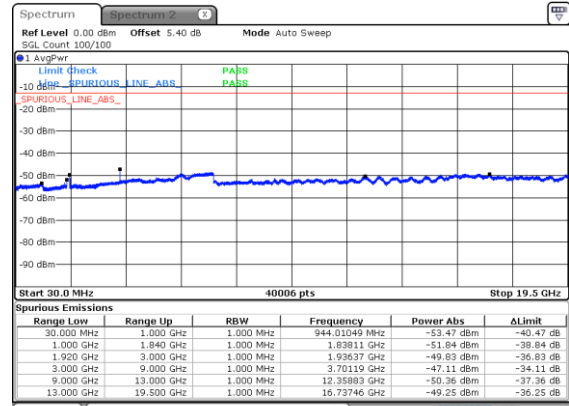


N25 15MHz

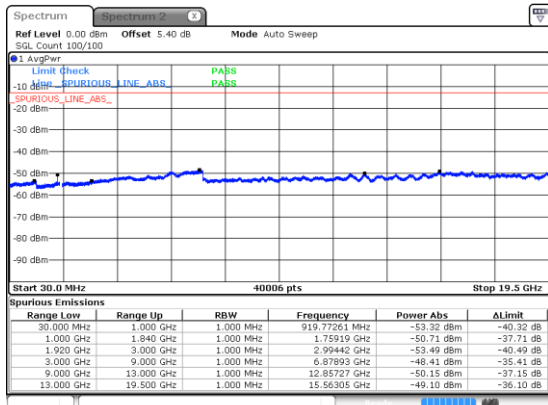
Lowest Channel / 16QAM



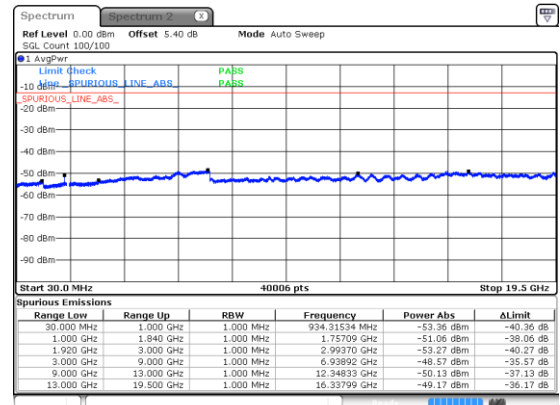
Lowest Channel / 64QAM



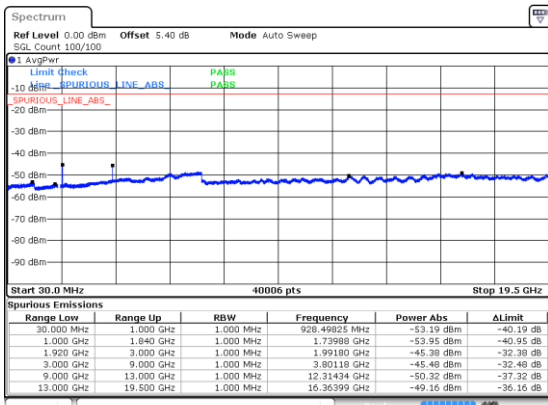
Middle Channel / 16QAM



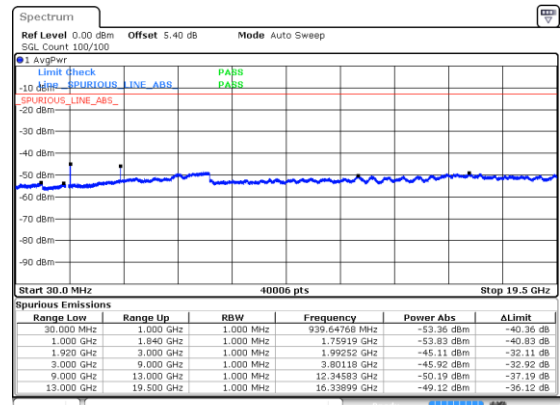
Middle Channel / 64QAM



Highest Channel / 16QAM



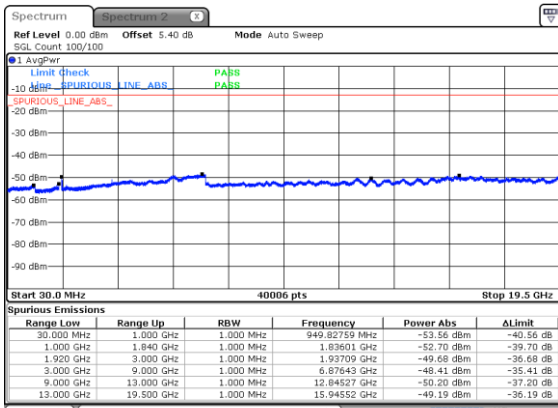
Highest Channel / 64QAM



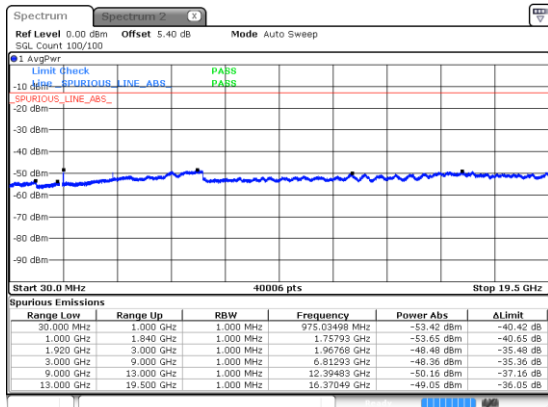


N25 15MHz

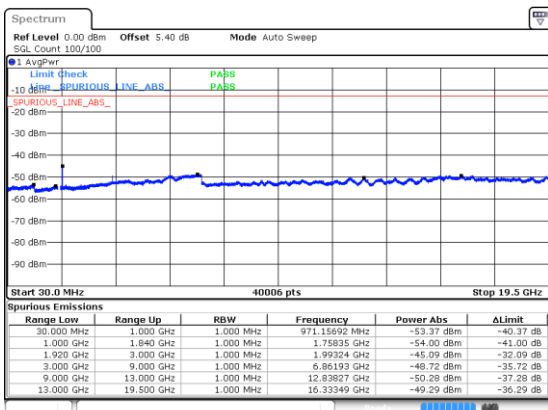
Lowest Channel / 256QAM



Middle Channel / 256QAM



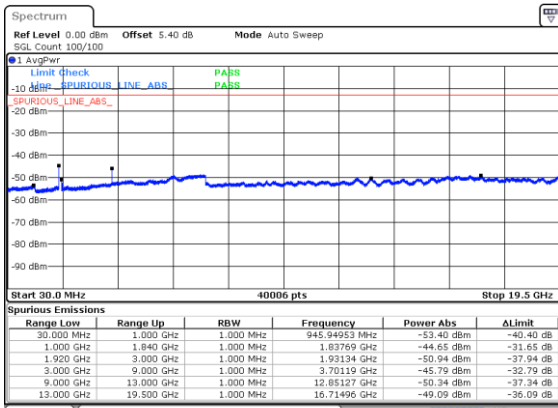
Highest Channel / 256QAM



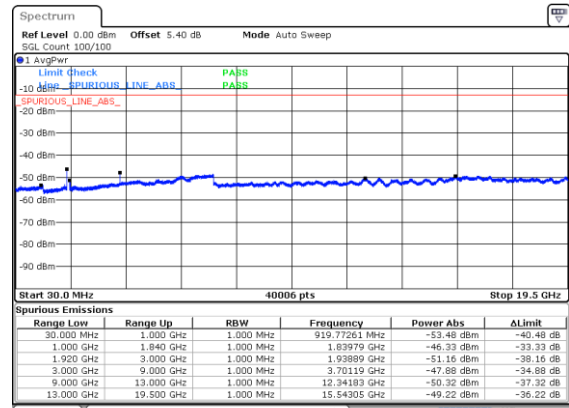


N25 20MHz

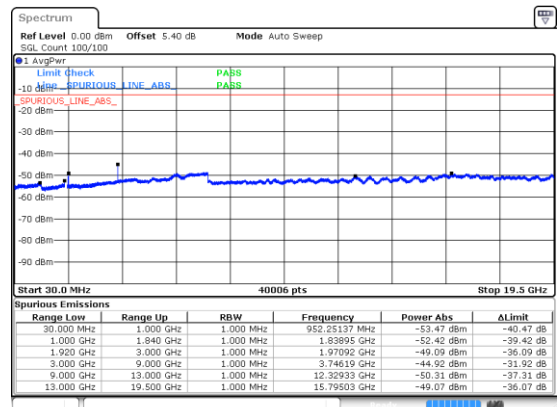
Lowest Channel / BPSK



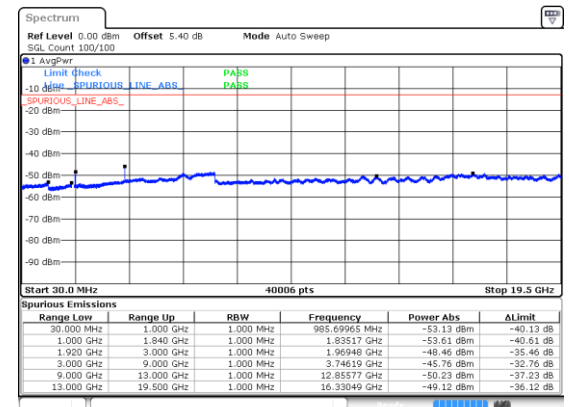
Lowest Channel / QPSK



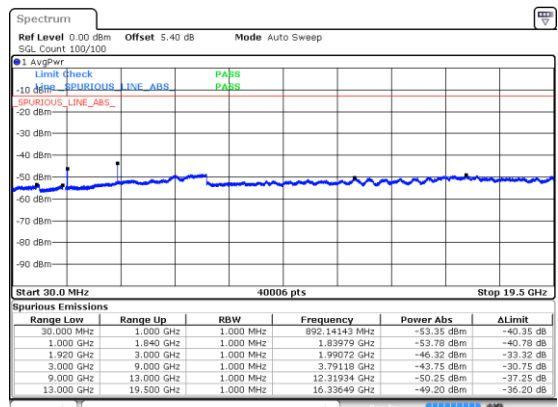
Middle Channel / BPSK



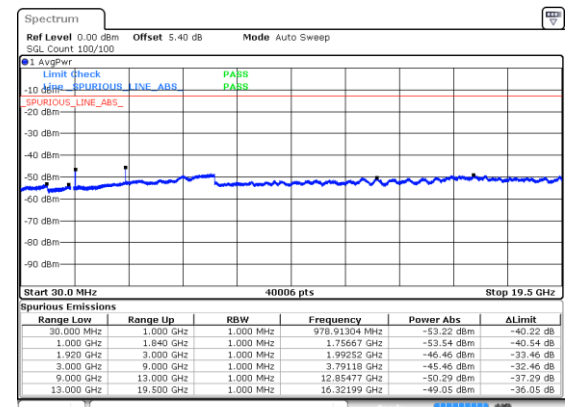
Middle Channel / QPSK



Highest Channel / BPSK



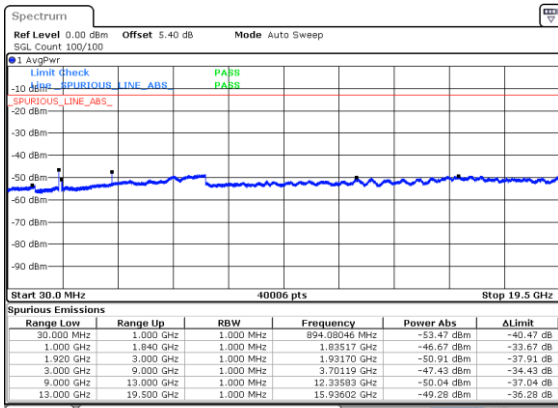
Highest Channel / QPSK



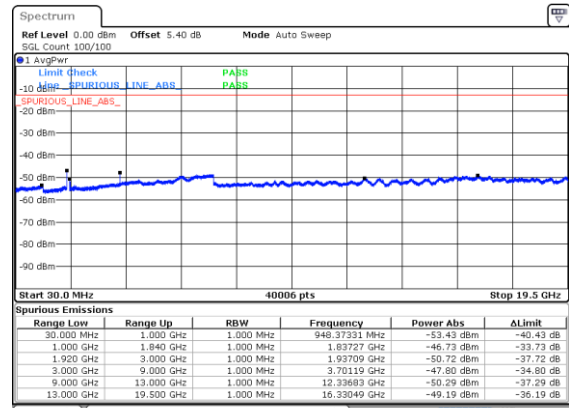


N25 20MHz

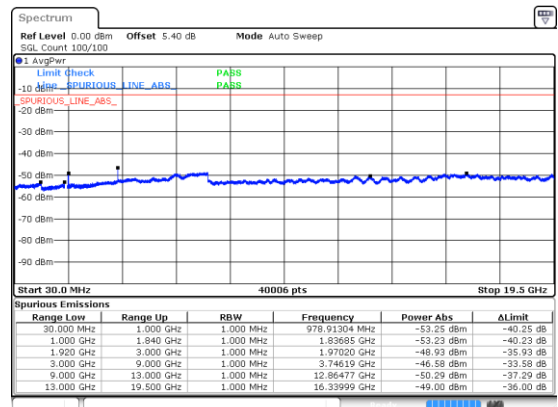
Lowest Channel / 16QAM



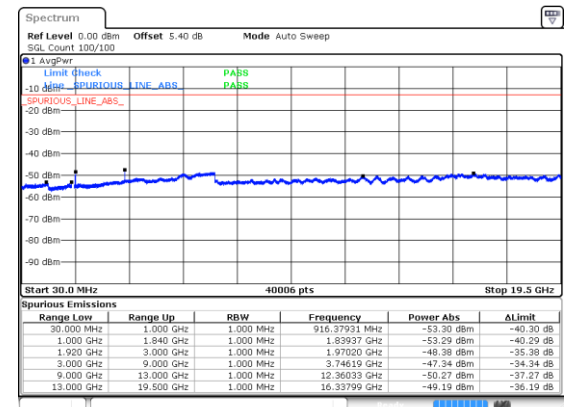
Lowest Channel / 64QAM



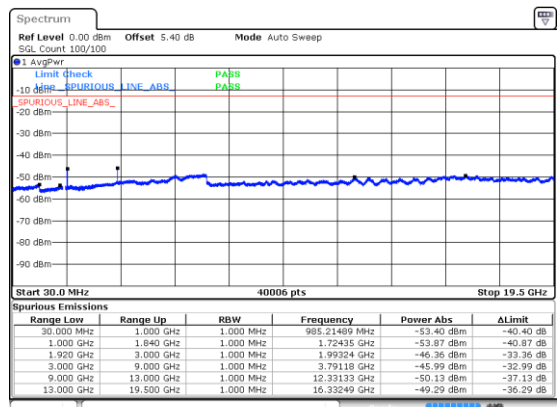
Middle Channel / 16QAM



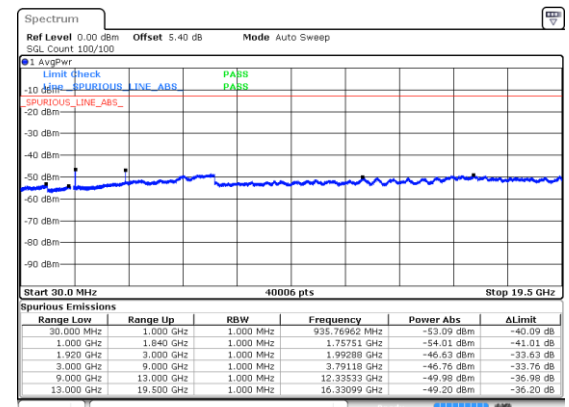
Middle Channel / 64QAM



Highest Channel / 16QAM



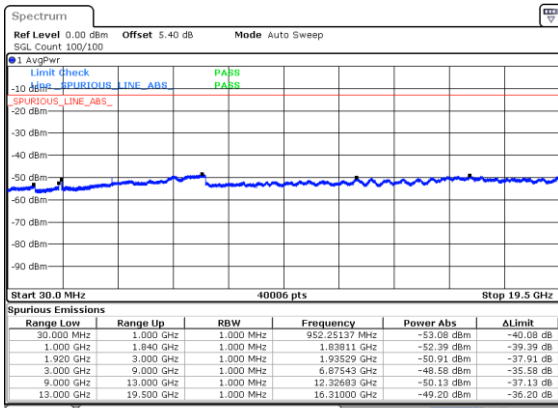
Highest Channel / 64QAM



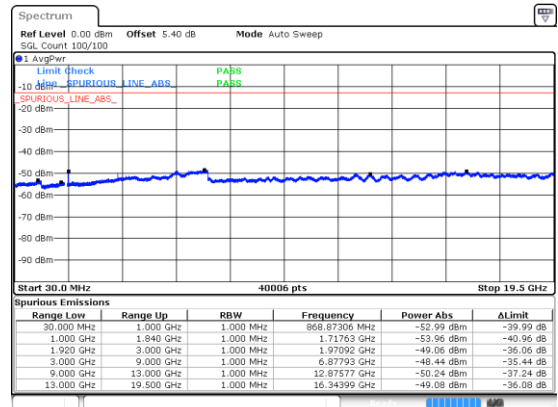


N25 20MHz

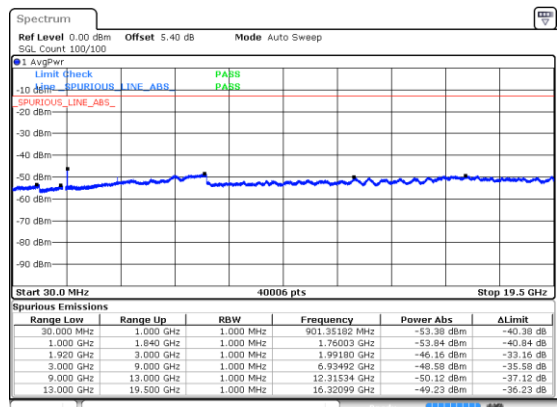
Lowest Channel / 256QAM



Middle Channel / 256QAM



Highest Channel / 256QAM





Frequency Stability

Test Conditions		n25 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0013	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



5G NR n41

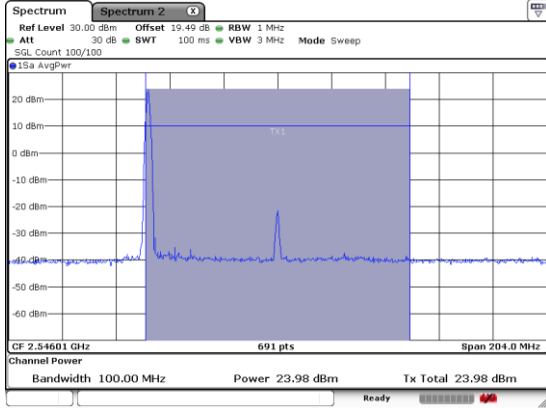
Peak-to-Average Ratio

Mode	N 41 / 100MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.78	4.98	5.83	5.38	PASS
Middle CH	3.40	5.36	4.40	5.13	
Highest CH	4.93	4.95	3.79	5.11	
Mode	N41 / 100MHz				
Mod.	64QAM		256QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.81	5.18	3.81	5.18	PASS
Middle CH	4.46	5.27	3.10	5.05	
Highest CH	5.67	5.09	4.51	5.19	
Mode	N41 / 100MHz				
Mod.	BPSK				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.16	5.45	-	-	PASS
Middle CH	2.39	5.08	-	-	
Highest CH	3.82	5.14	-	-	

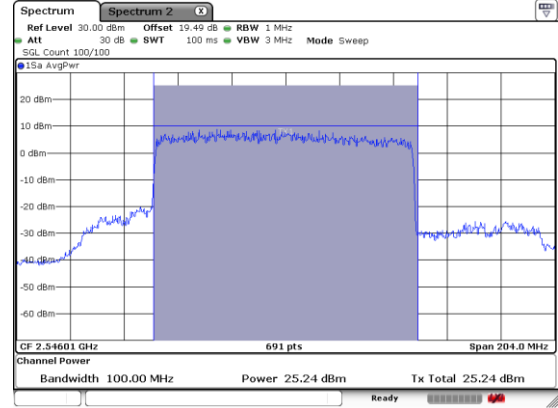


N41 100MHz / BPSK

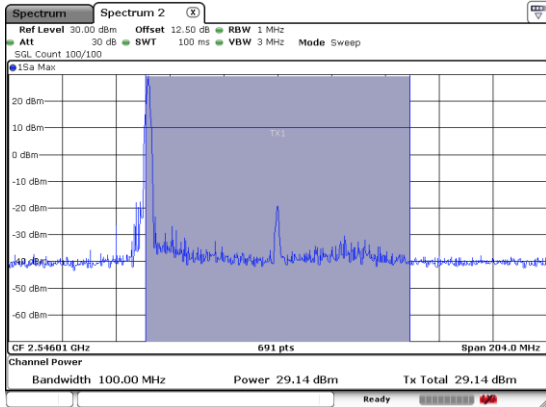
Lowest Channel / 1RB0



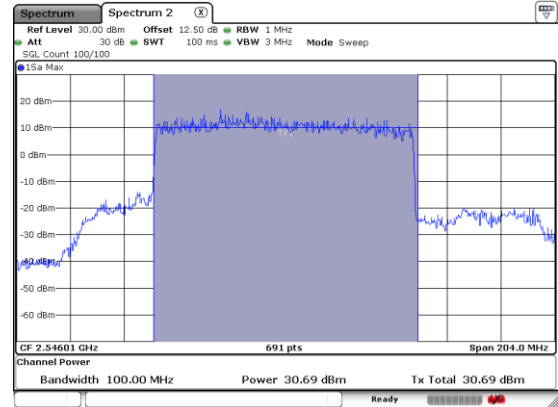
Lowest Channel / 270RB0



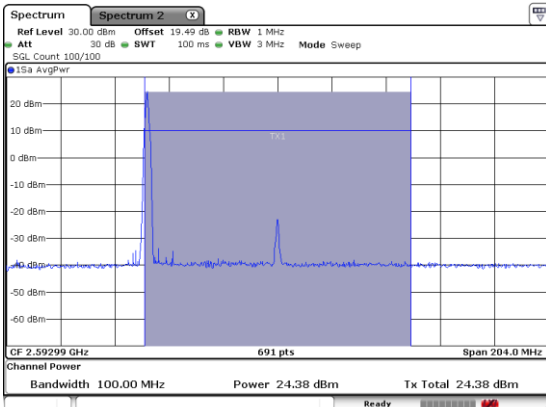
Middle Channel / 1RB0



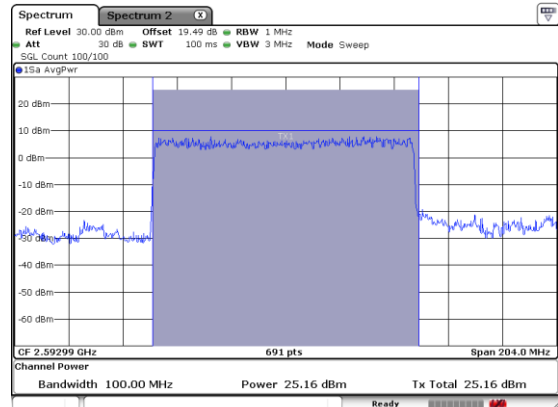
Middle Channel / 270RB0

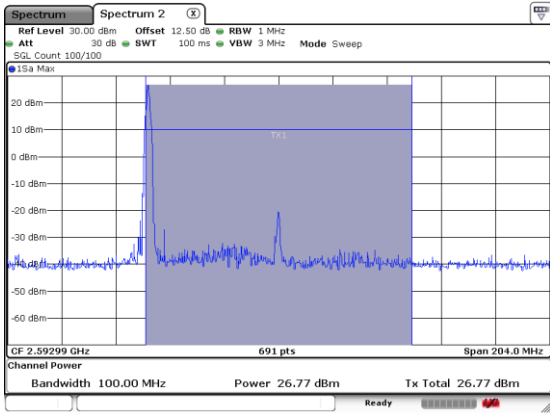


Middle Channel / 1RB0

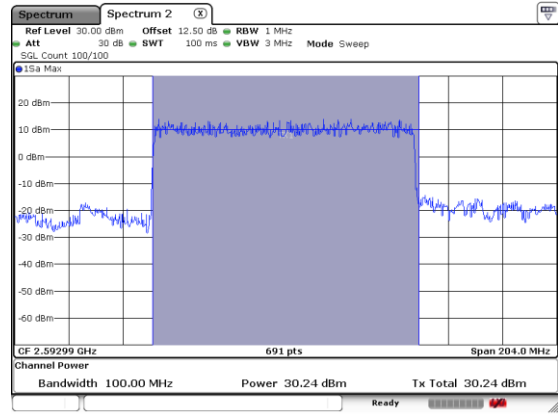


Middle Channel / 270RB0

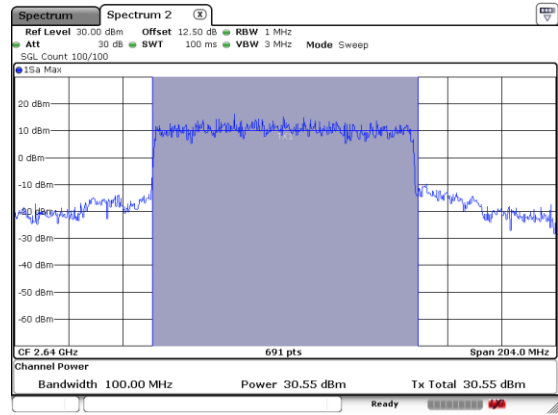
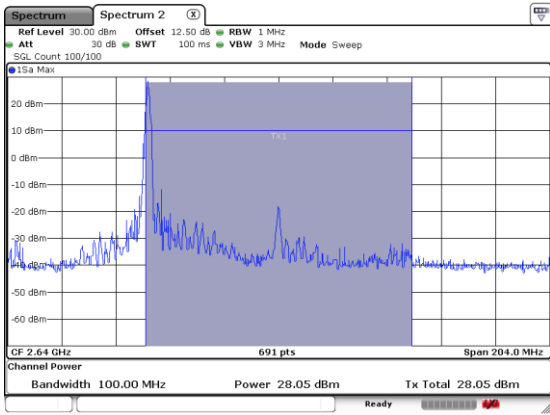
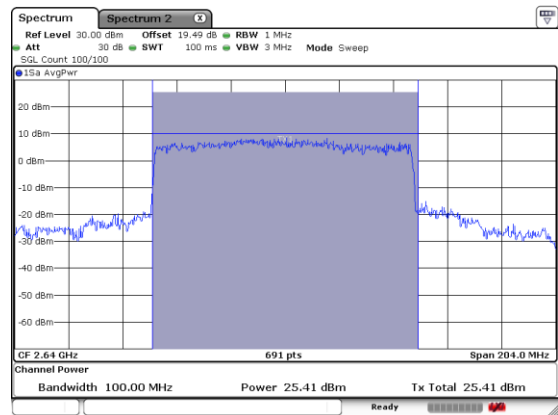
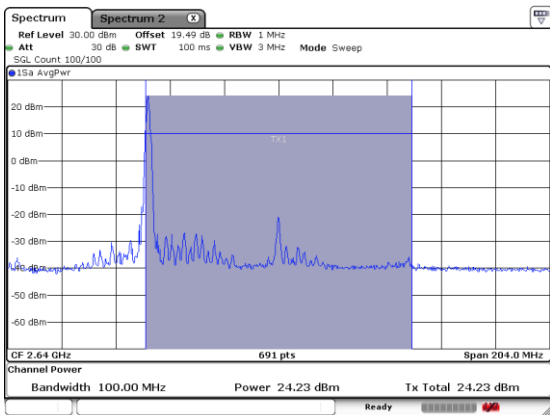




Highest Channel / 1RB0



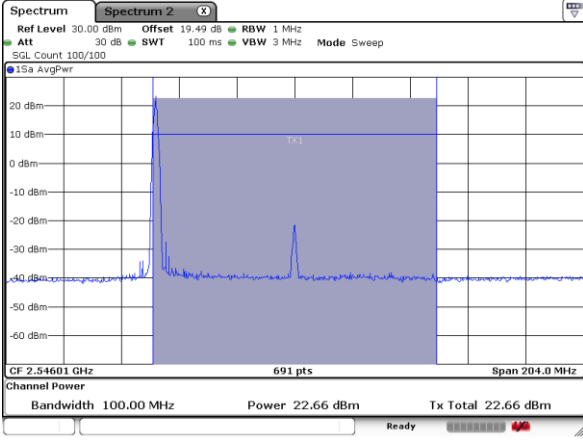
Highest Channel / 270RB0



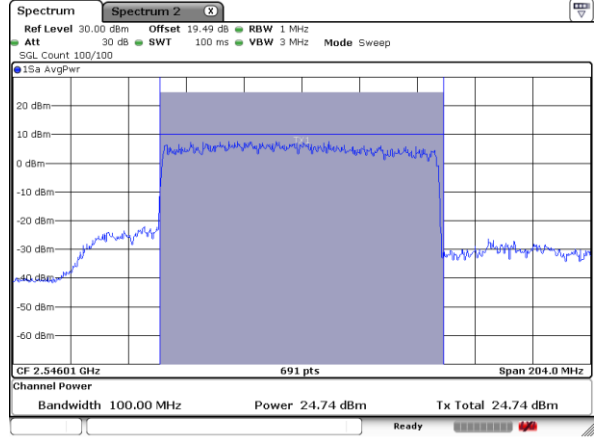


N41 100MHz / QPSK

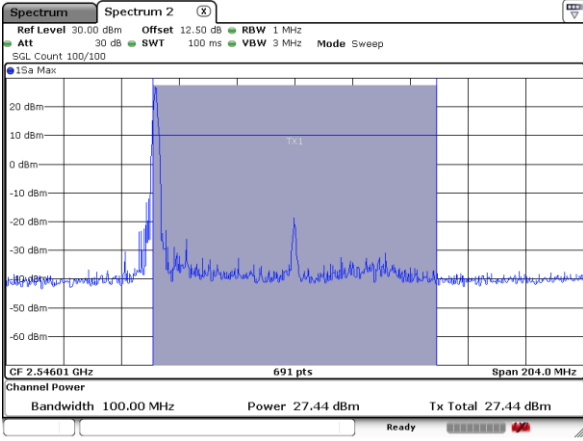
Lowest Channel / 1RB0



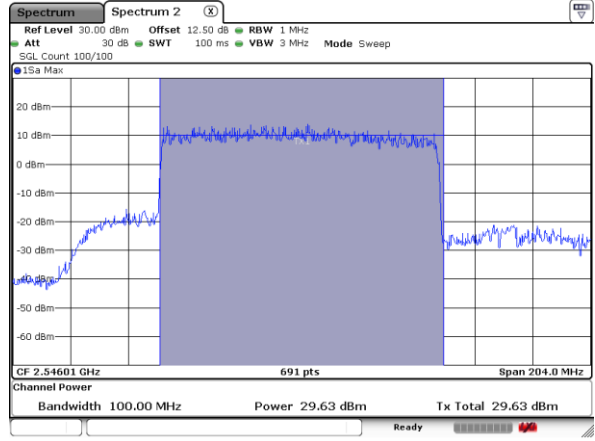
Lowest Channel / 270RB0



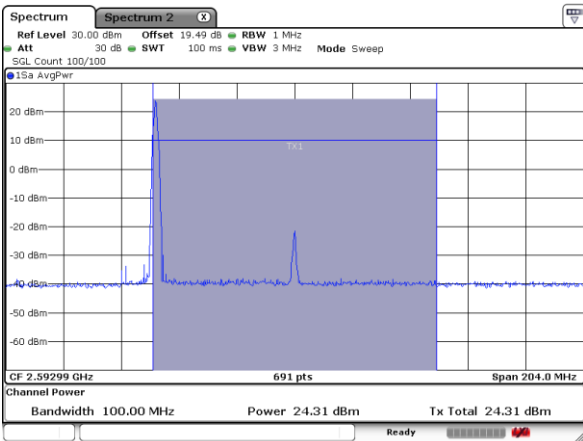
Middle Channel / 1RB0



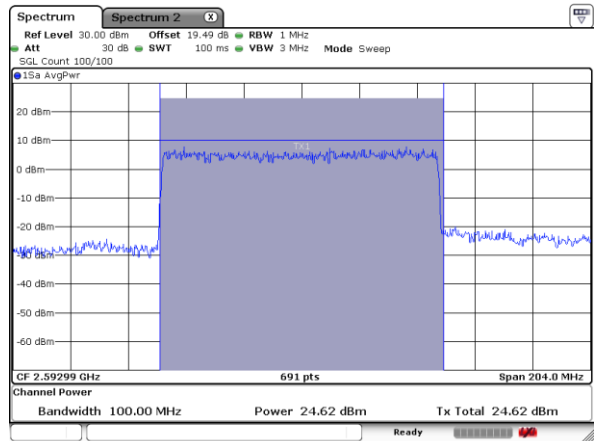
Middle Channel / 270RB0

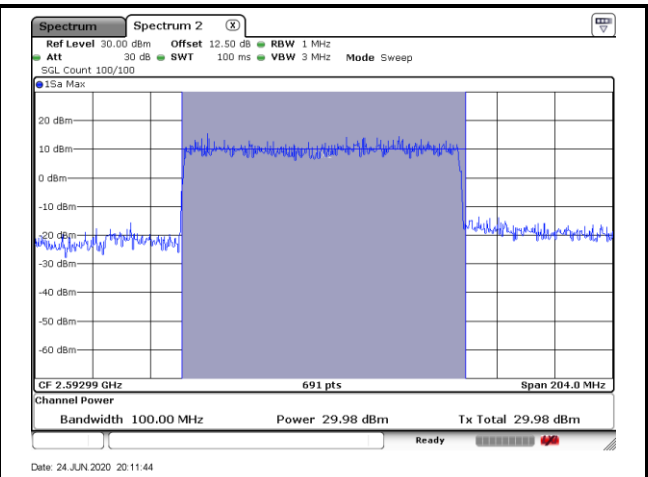
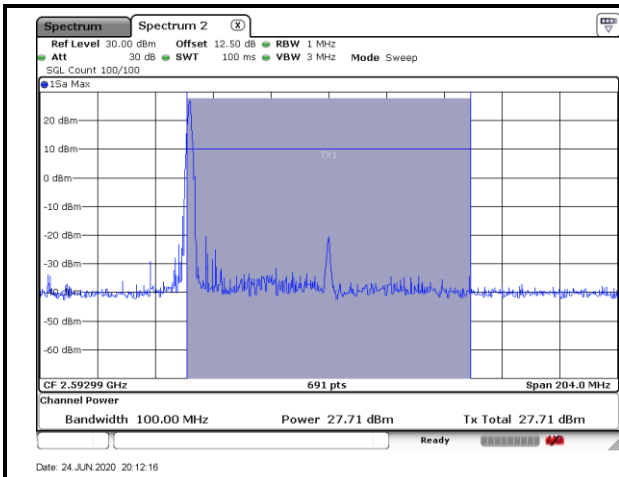


Middle Channel / 1RB0



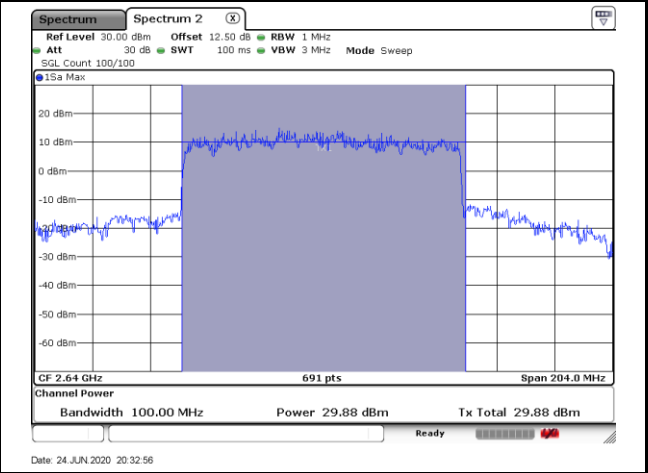
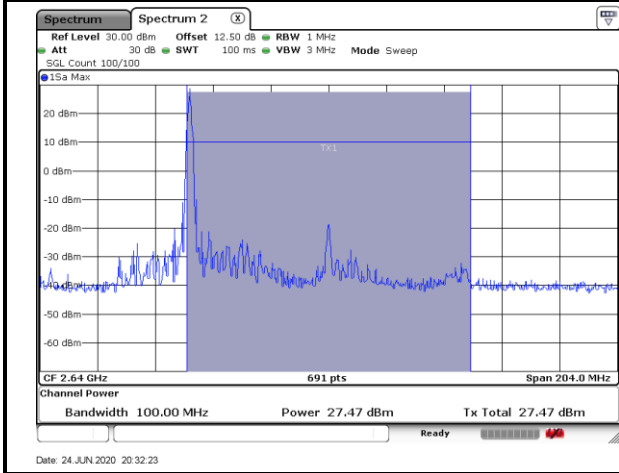
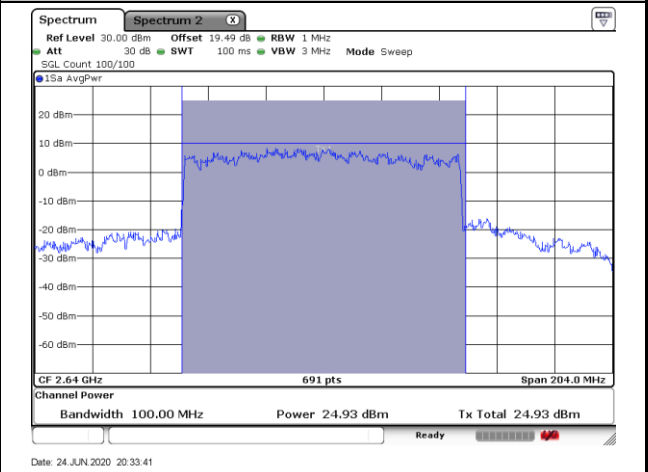
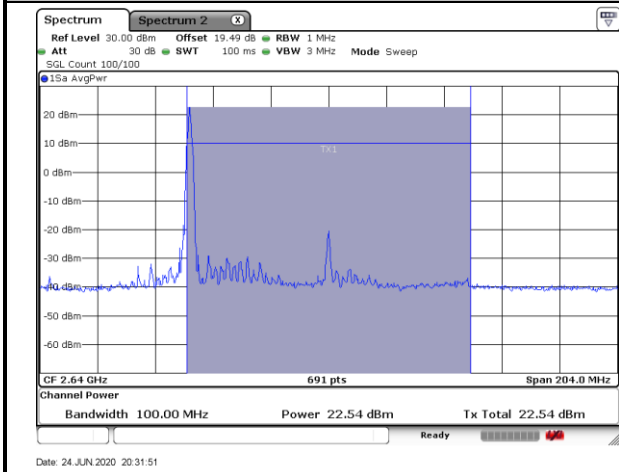
Middle Channel / 270RB0





Highest Channel / 1RB0

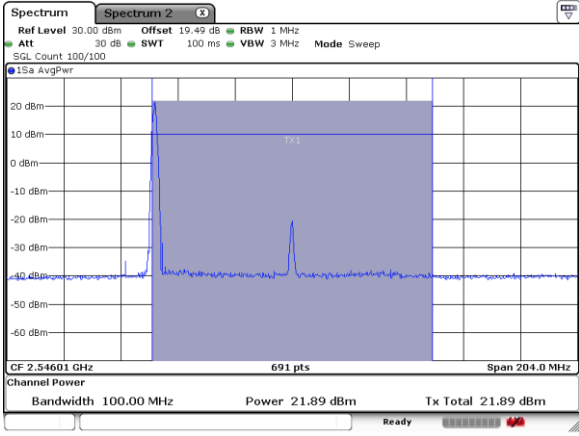
Highest Channel / 270RB0



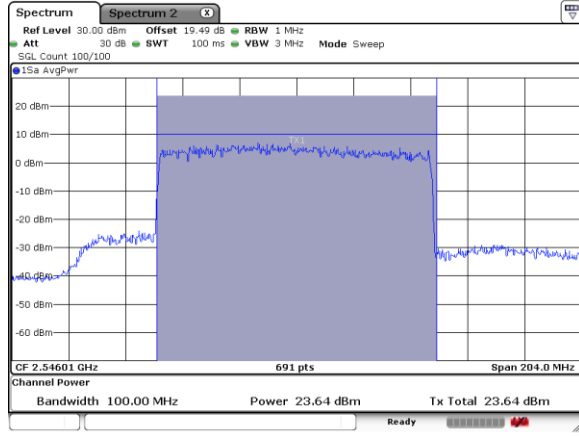


N41 100MHz / 16QAM

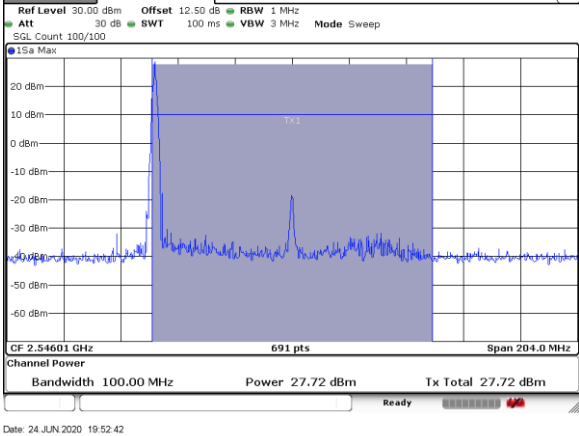
Lowest Channel / 1RB0



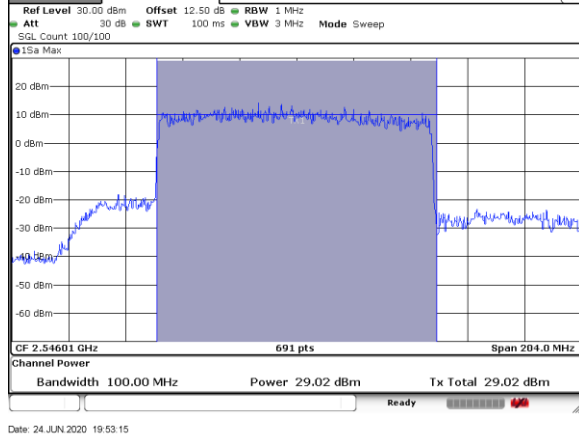
Lowest Channel / 270RB0



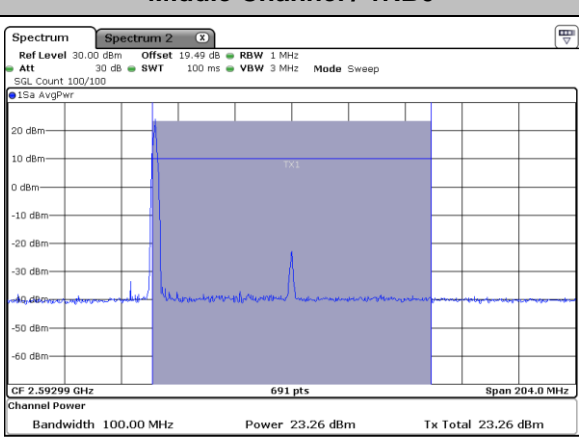
Middle Channel / 1RB0



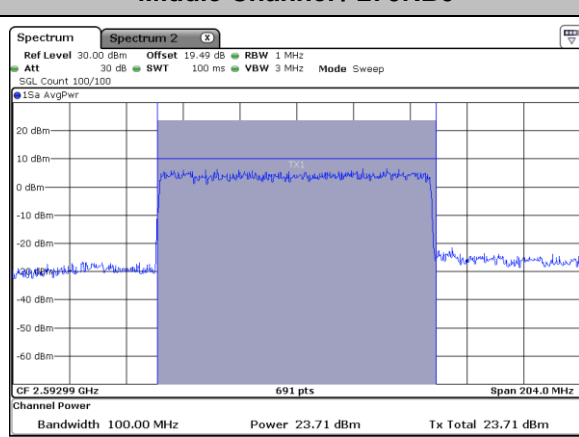
Middle Channel / 270RB0

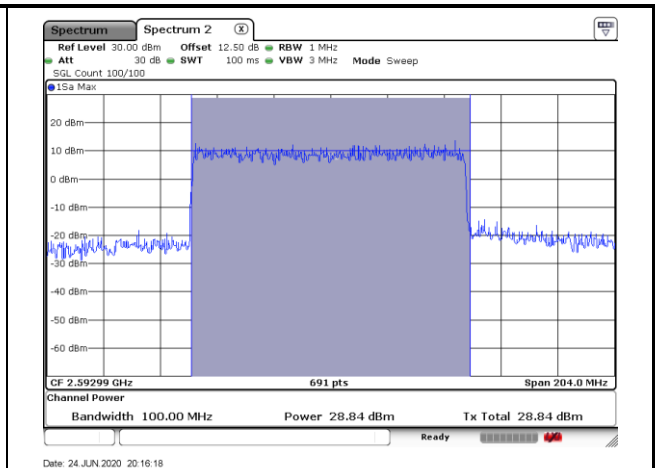
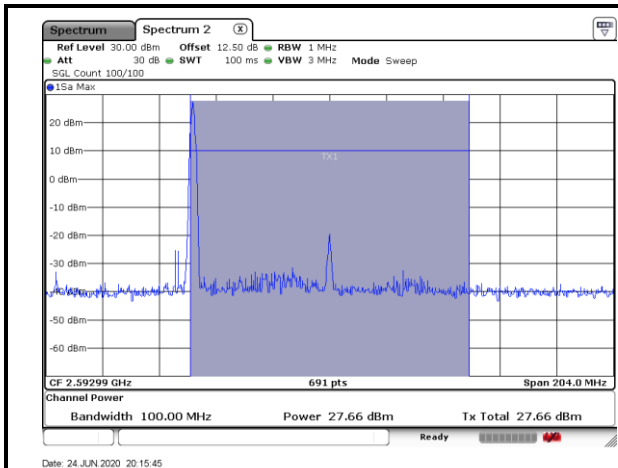


Middle Channel / 1RB0



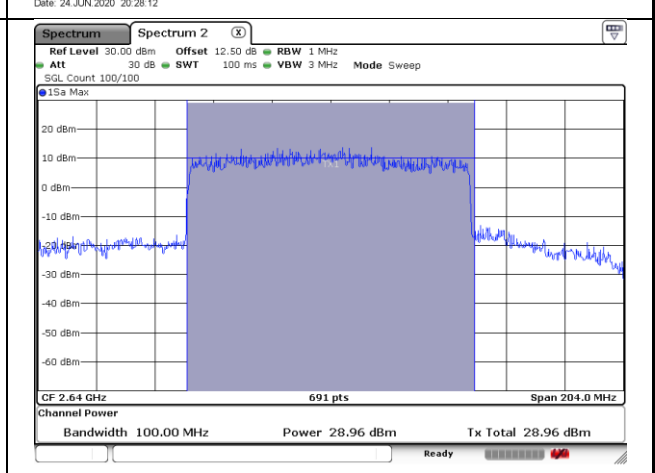
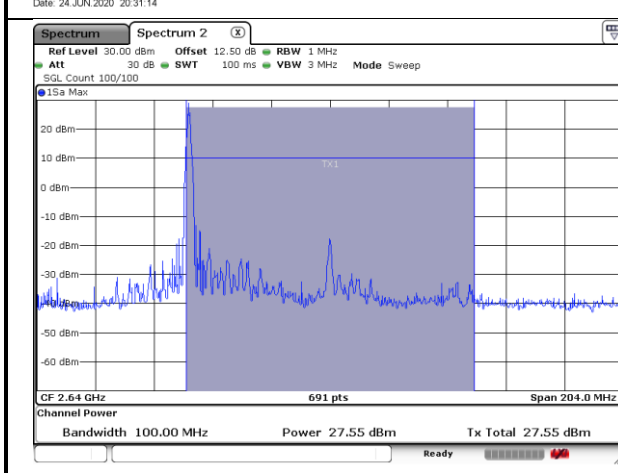
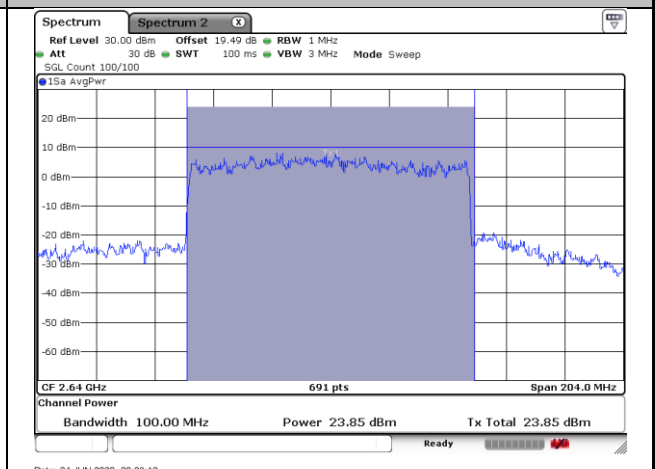
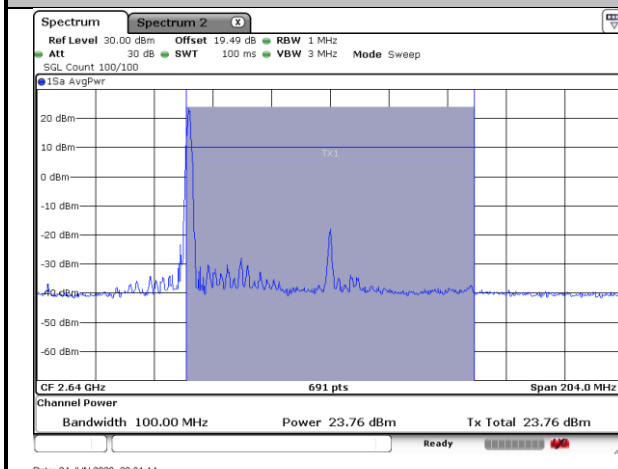
Middle Channel / 270RB0





Highest Channel / 1RB0

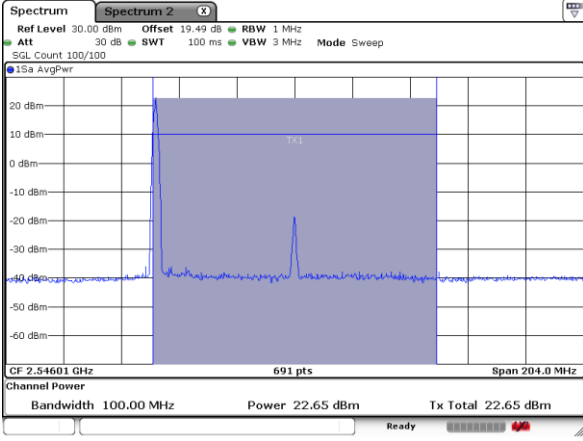
Highest Channel / 270RB0



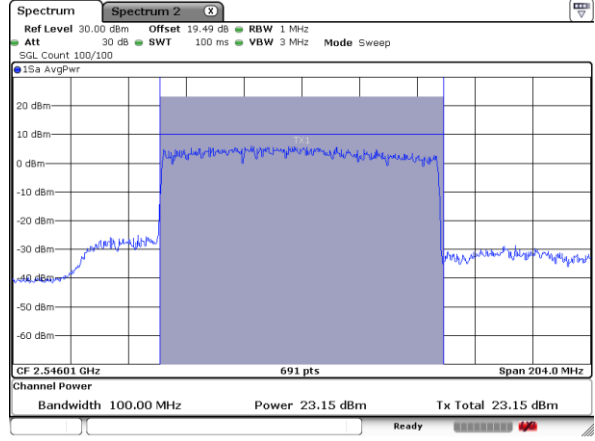


N41 100MHz / 64QAM

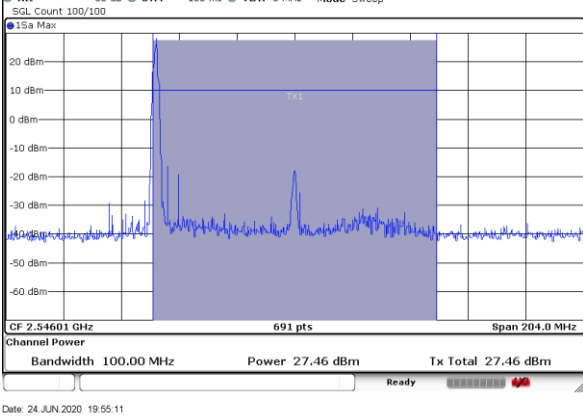
Lowest Channel / 1RB0



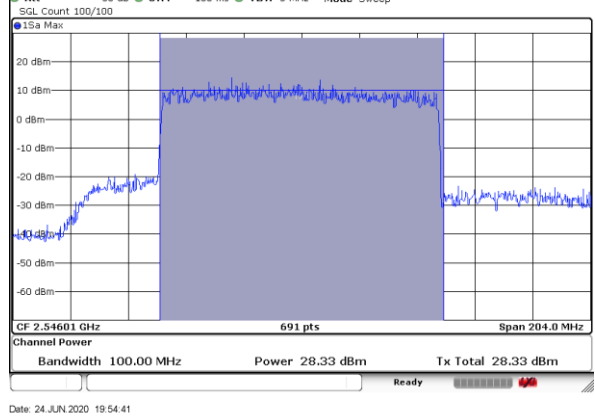
Lowest Channel / 270RB0



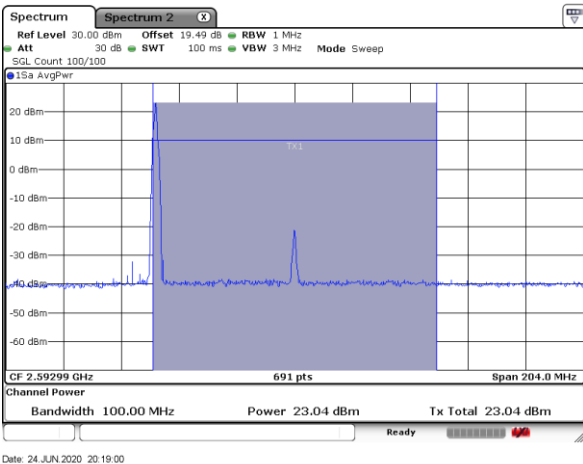
Middle Channel / 1RB0



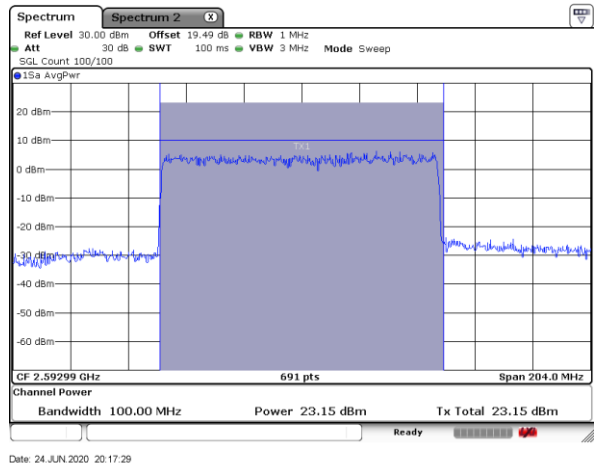
Middle Channel / 270RB0

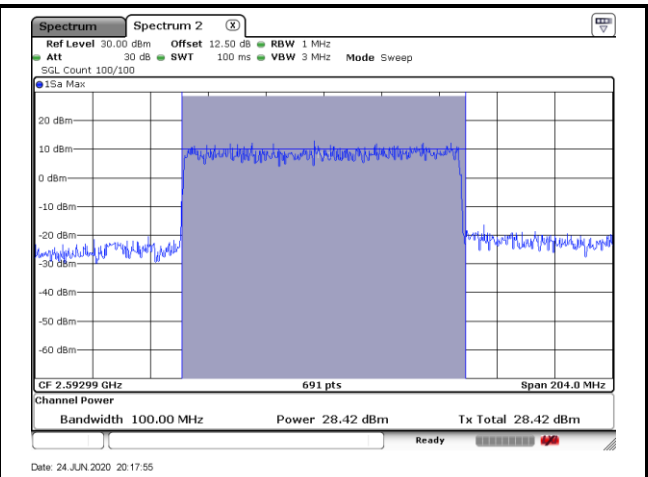
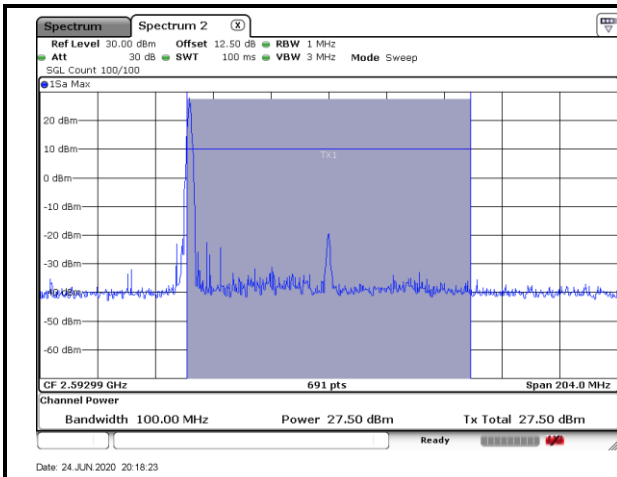


Middle Channel / 1RB0



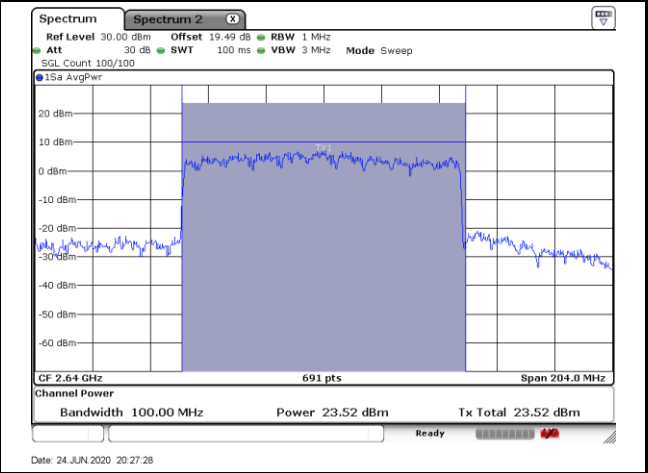
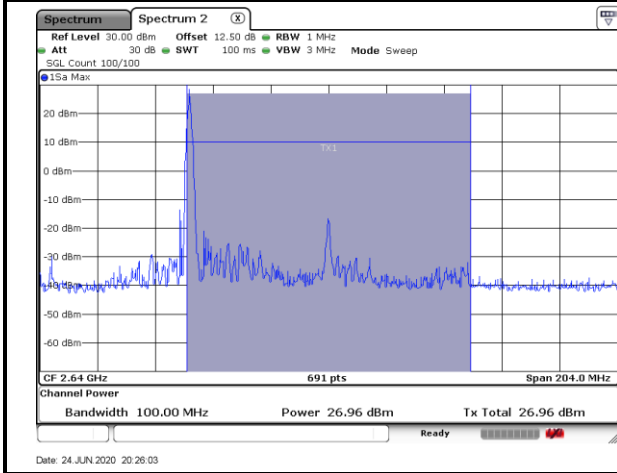
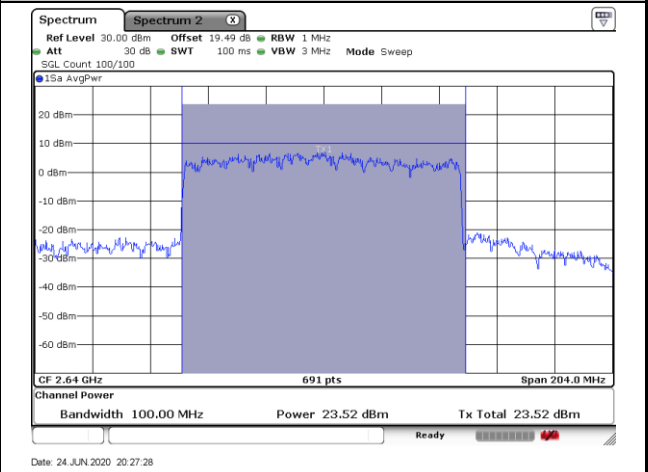
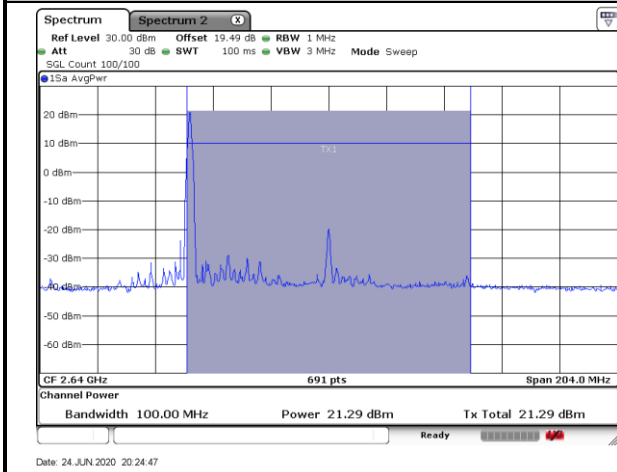
Middle Channel / 270RB0





Highest Channel / 1RB0

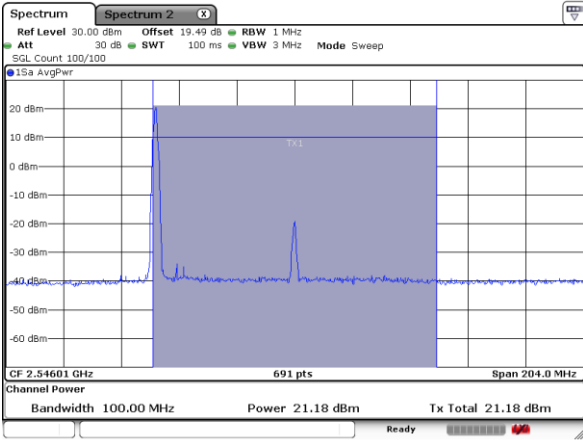
Highest Channel / 270RB0





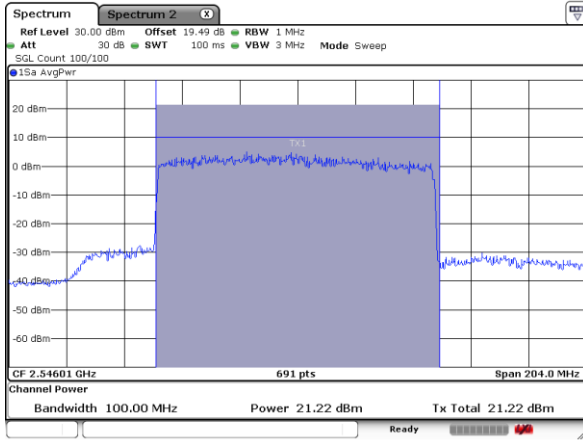
N41 100MHz / 256QAM

Lowest Channel / 1RB0



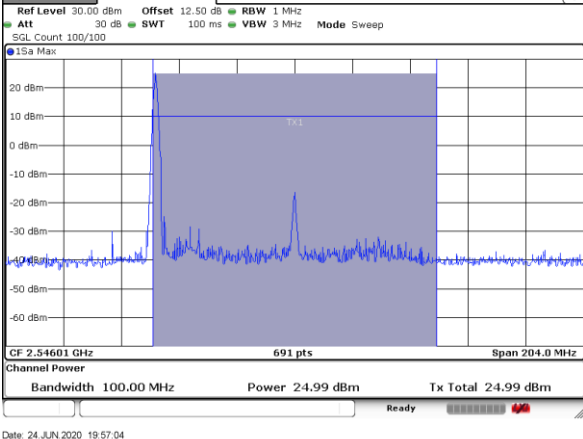
Date: 24 JUN 2020 19:56:27

Lowest Channel / 270RB0



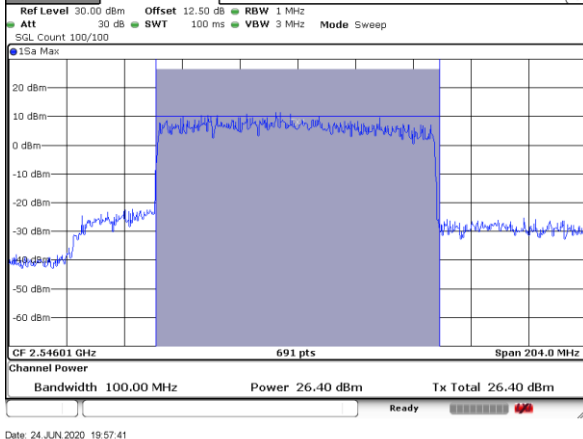
Date: 24 JUN 2020 19:58:10

Middle Channel / 1RB0



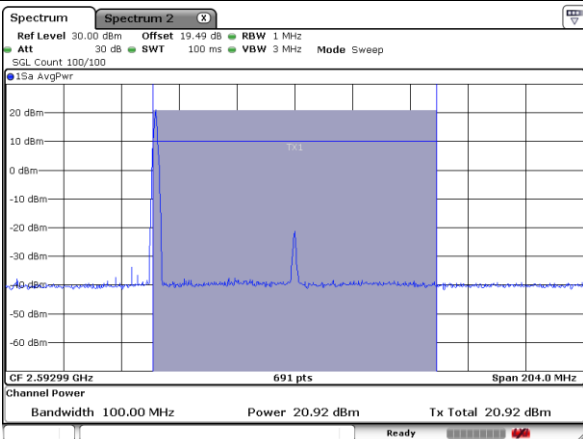
Date: 24 JUN 2020 19:57:04

Middle Channel / 270RB0



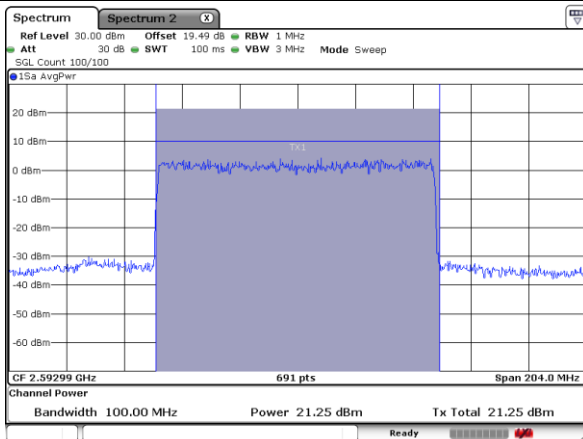
Date: 24 JUN 2020 19:57:41

Middle Channel / 1RB0

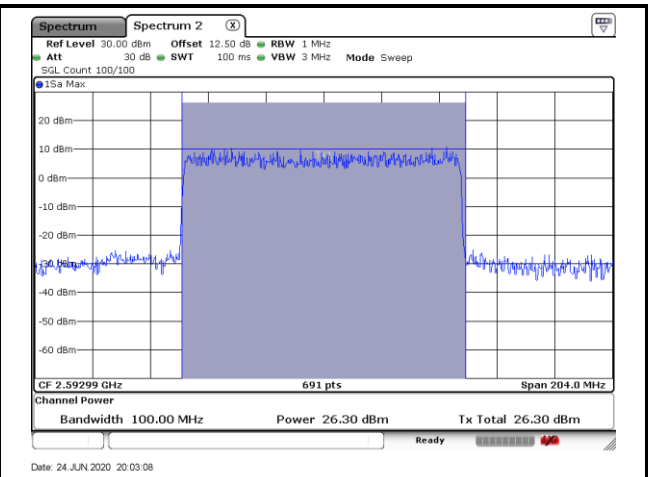
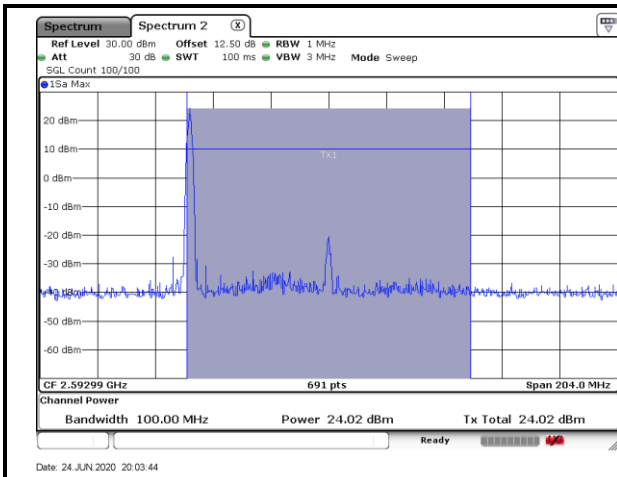


Date: 24 JUN 2020 20:04:15

Middle Channel / 270RB0

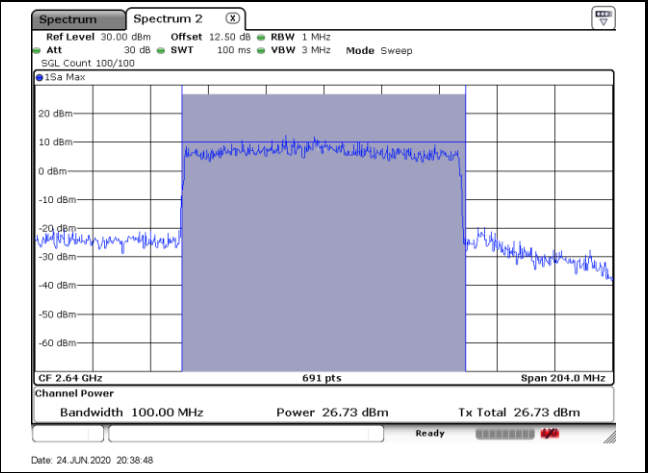
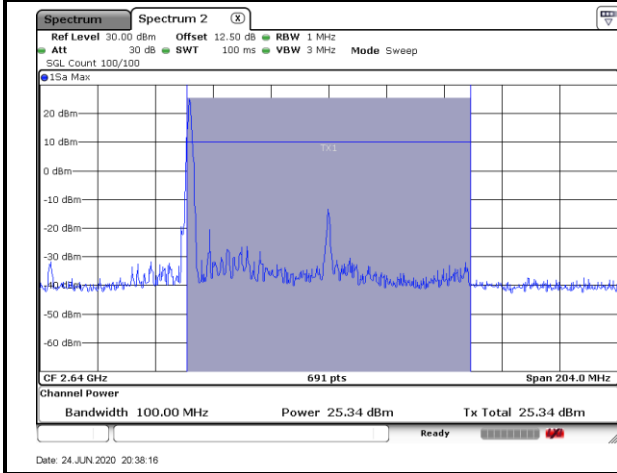
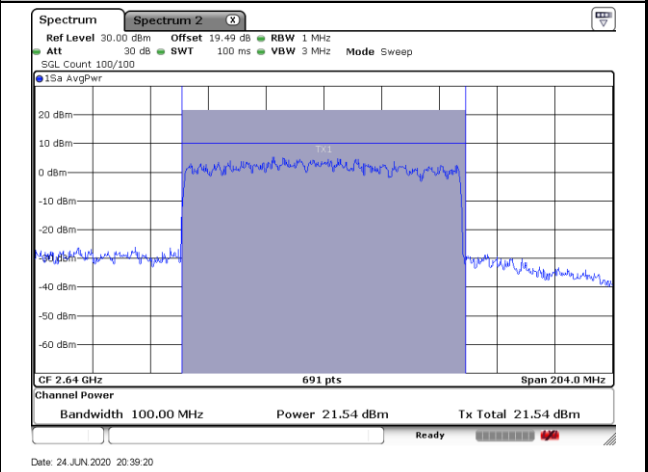
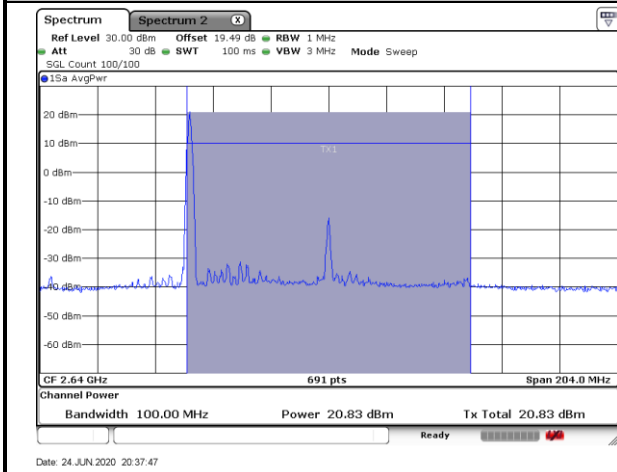


Date: 24 JUN 2020 20:02:30



Highest Channel / 1RB0

Highest Channel / 270RB0





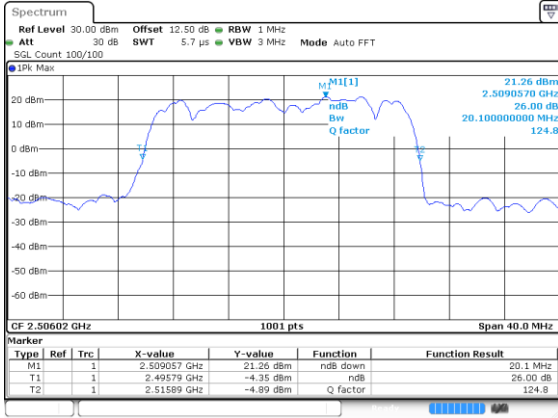
26dB Bandwidth

Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	20.10	20.54	37.926	38.202	48.15	48.15	62.22	62.46	81.84	82.00	90.63	90.81
Middle CH	20.02	20.22	38.282	38.122	48.05	48.15	62.82	62.58	82.16	82.32	90.45	90.81
Highest CH	20.26	20.38	38.282	38.202	48.15	48.05	62.70	62.94	82.32	82.16	90.63	90.63
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Lowest CH	20.38	20.06	38.042	38.042	48.15	48.05	62.58	62.46	81.84	82.00	90.63	90.63
Middle CH	20.26	20.26	38.042	38.202	48.05	48.05	62.70	62.70	82.16	81.84	90.45	90.27
Highest CH	20.10	20.06	38.202	37.926	48.25	48.05	62.94	62.70	82.00	81.84	90.45	90.27
Mode	N 41 : 26dB BW(MHz)											
BW	20MHz		40MHz		50MHz		60MHz		80MHz		90MHz	
Mod.	BPSK		BPSK		BPSK		BPSK		BPSK		BPSK	
Lowest CH	20.10		38.042		48.05		62.46		81.68		90.09	-
Middle CH	20.30		38.521		48.05		63.06		82.32		90.27	-
Highest CH	20.02		38.122		48.35		63.06		81.84		90.63	-
Mode	N 41 : 26dB BW(MHz)											
BW	100MHz											
Mod.	BPSK	QPSK	16QAM	64QAM	256QAM							
Lowest CH	101.10	101.10	101.50	101.50	101.50							
Middle CH	101.30	101.70	101.50	101.50	101.50							
Highest CH	102.10	102.10	101.10	101.30	101.30							



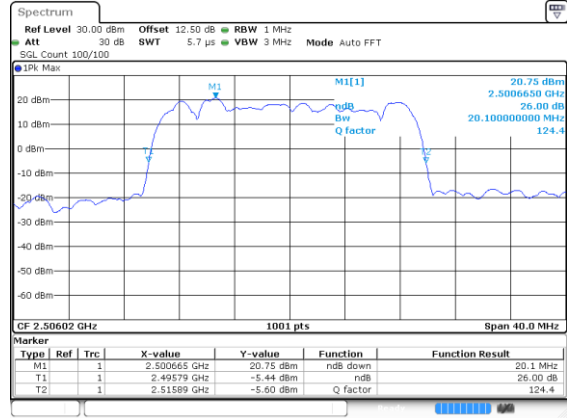
20MHz

Lowest Channel / BPSK



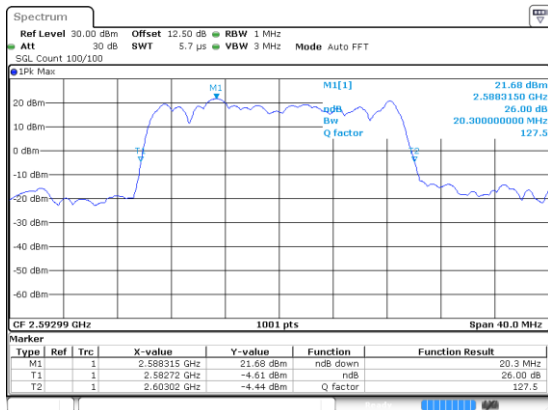
Date: 24 Jul 2020 01:04:02

Lowest Channel / QPSK



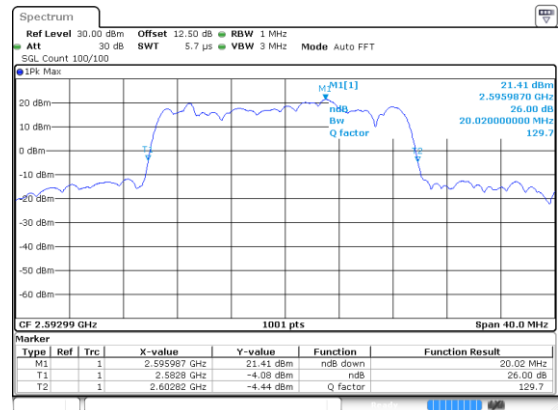
Date: 24 Jul 2020 01:06:26

Middle Channel / BPSK



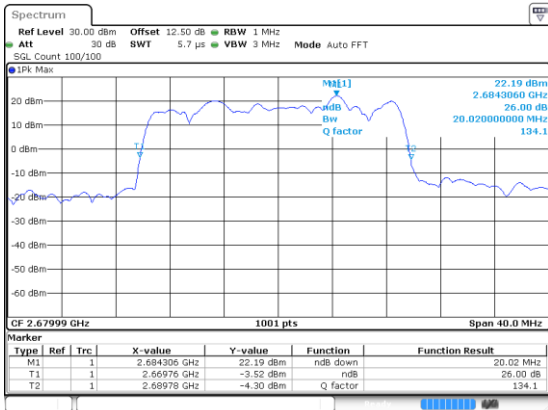
Date: 24 Jul 2020 01:04:02

Middle Channel / QPSK



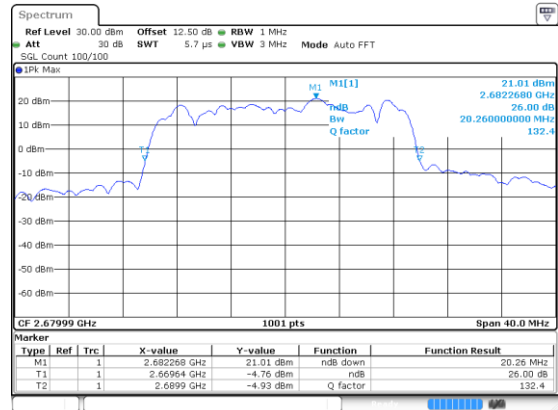
Date: 24 Jul 2020 01:06:26

Highest Channel / BPSK



Date: 24 Jul 2020 01:04:02

Highest Channel / QPSK

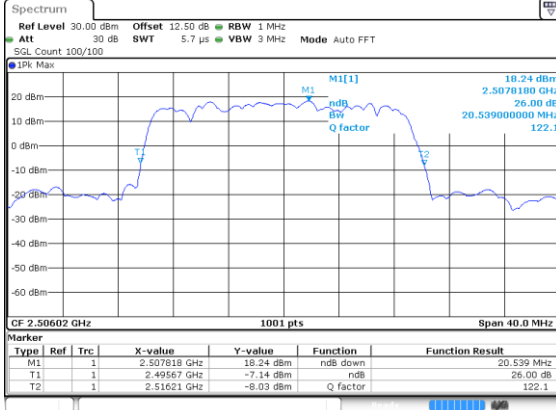


Date: 24 Jul 2020 01:06:26

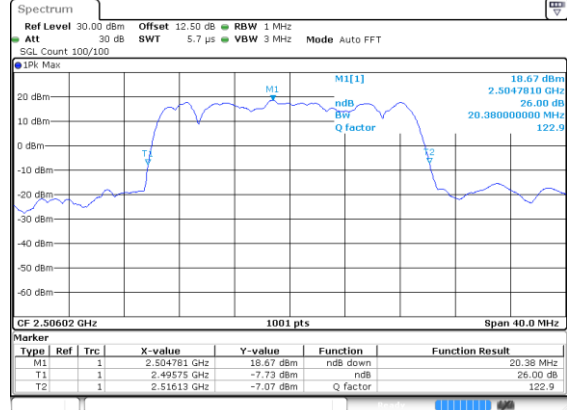


20MHz

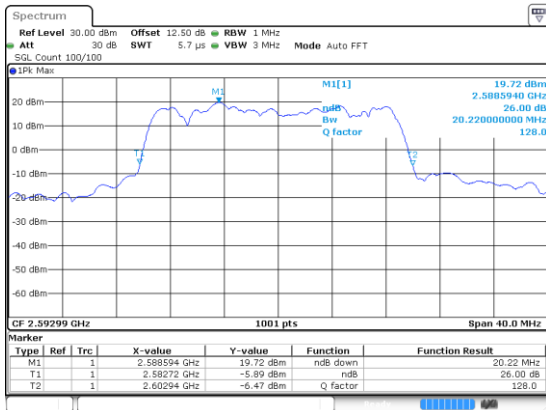
Lowest Channel / 16QAM



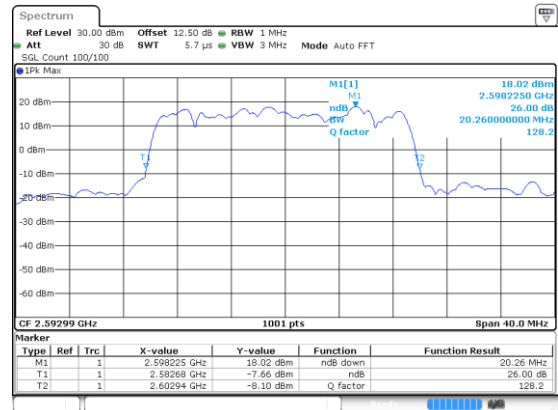
Lowest Channel / 64QAM



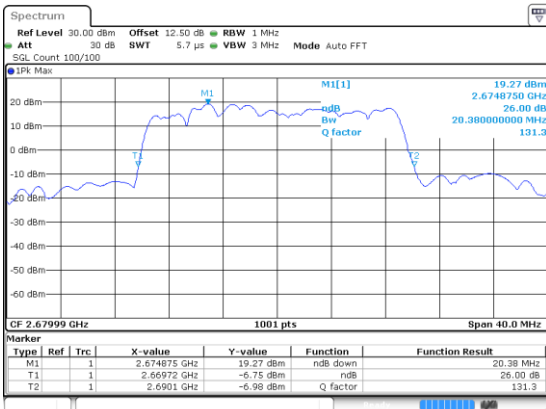
Middle Channel / 16QAM



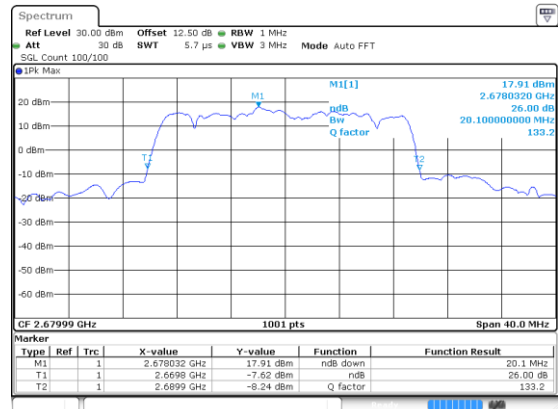
Middle Channel / 64QAM



Highest Channel / 16QAM



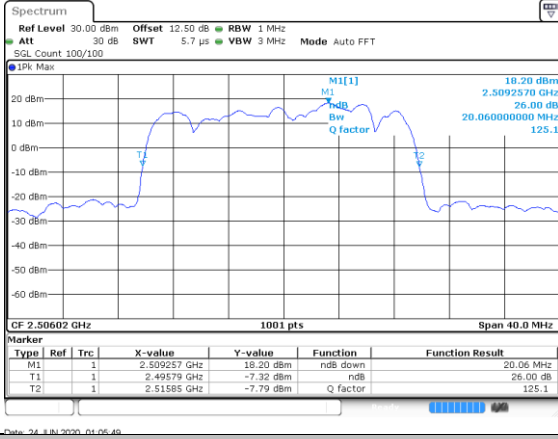
Highest Channel / 64QAM





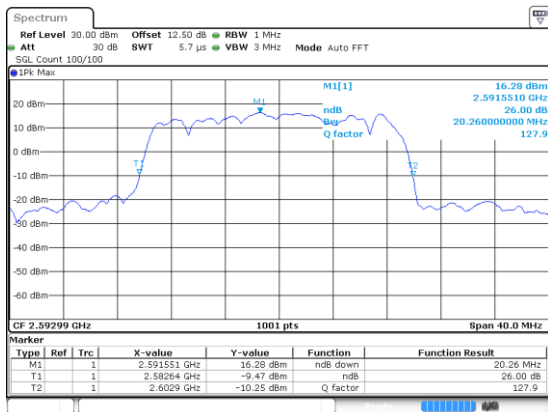
20MHz

Lowest Channel / 256QAM

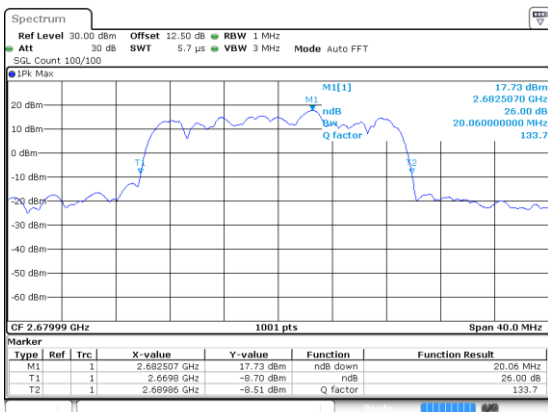


Date: 24 JUN 2020 04:05:48

Middle Channel / 256QAM



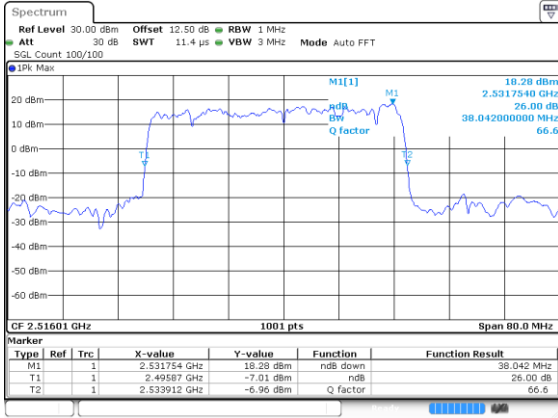
Highest Channel / 256QAM





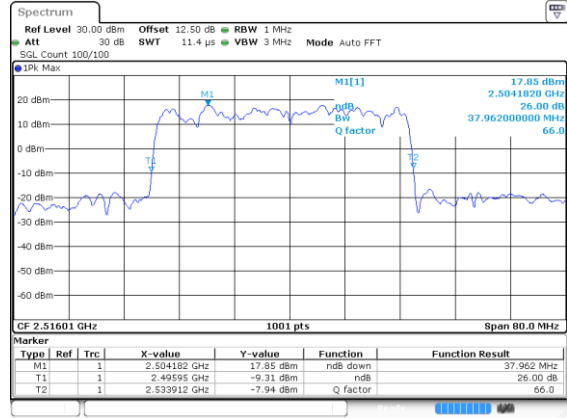
40MHz

Lowest Channel / BPSK



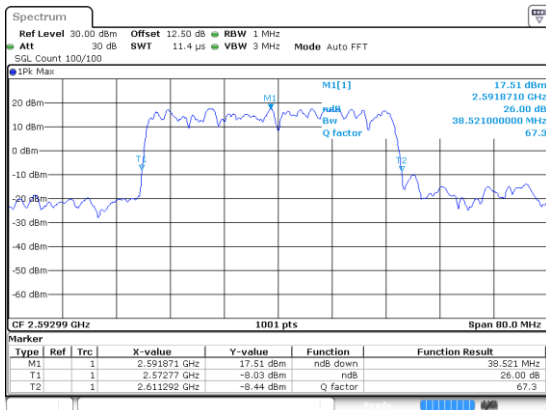
Date: 24 Jul 2020 02:18:28

Lowest Channel / QPSK



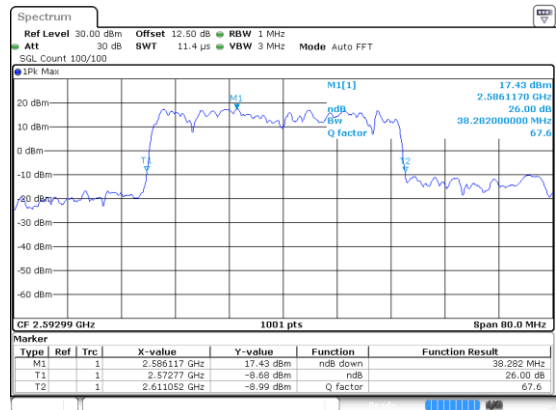
Date: 24 Jul 2020 02:20:58

Middle Channel / BPSK



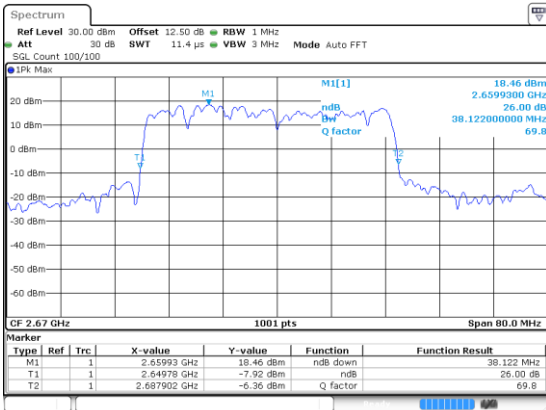
Date: 24 Jul 2020 02:20:58

Middle Channel / QPSK



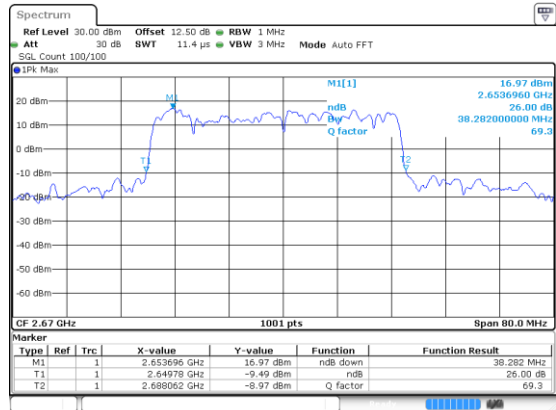
Date: 24 Jul 2020 02:20:58

Highest Channel / BPSK



Date: 24 Jul 2020 02:20:58

Highest Channel / QPSK



Date: 24 Jul 2020 02:20:58