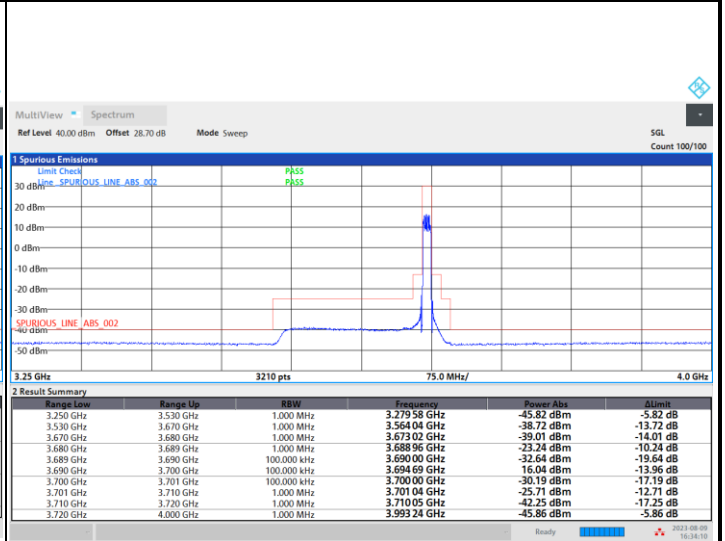
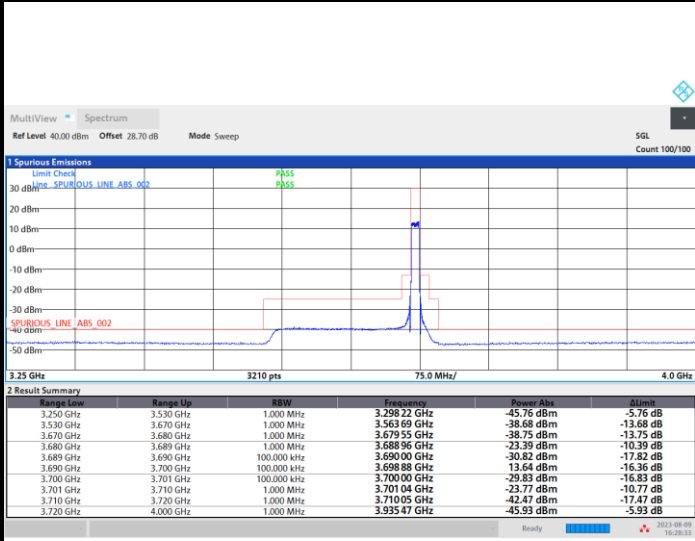




FR1 n48 / 10MHz / Highest Channel / MASK

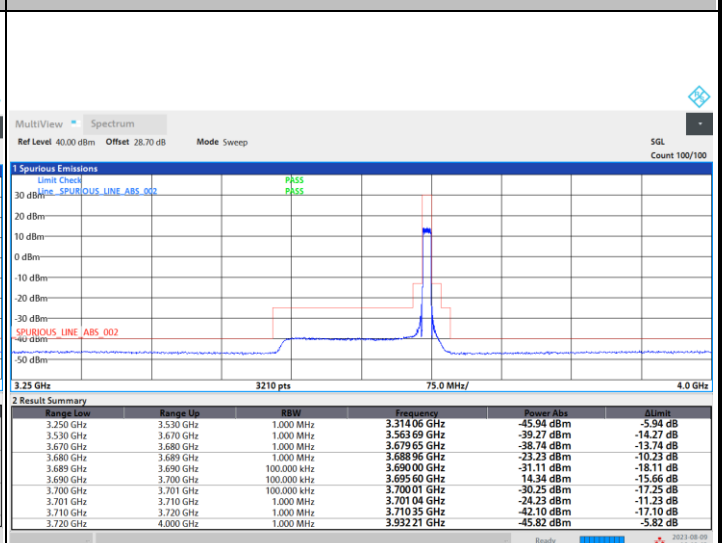
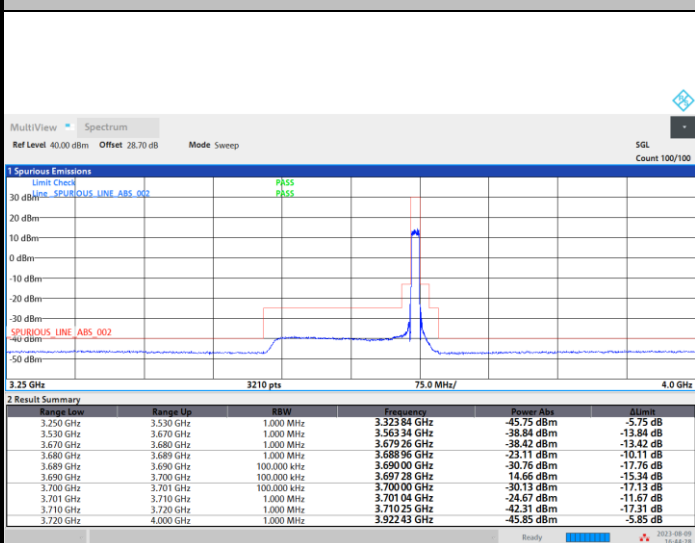
QPSK

16QAM



64QAM

256QAM

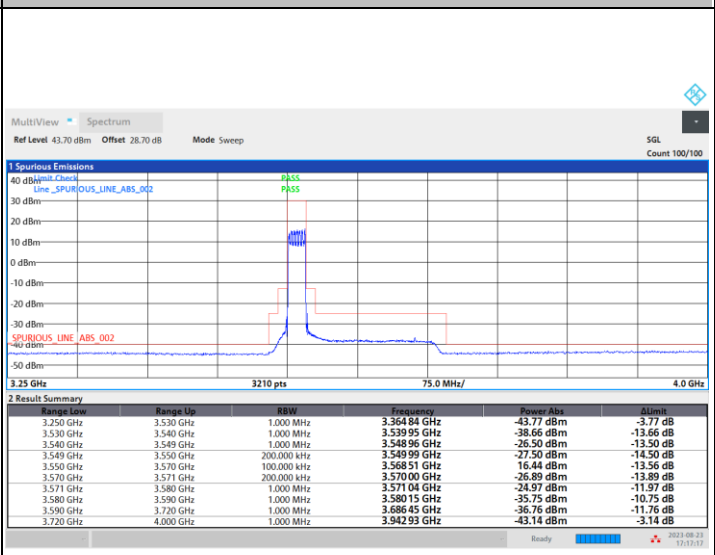
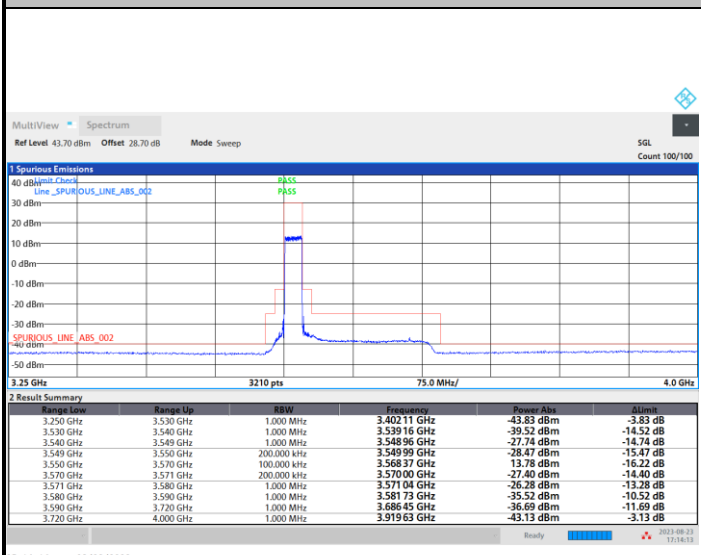




FR1 n48 / 20MHz / Lowest Channel / MASK

QPSK

16QAM

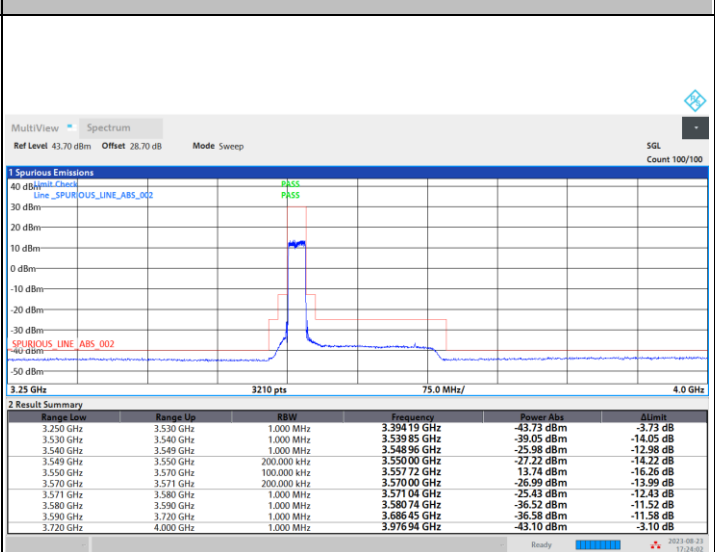
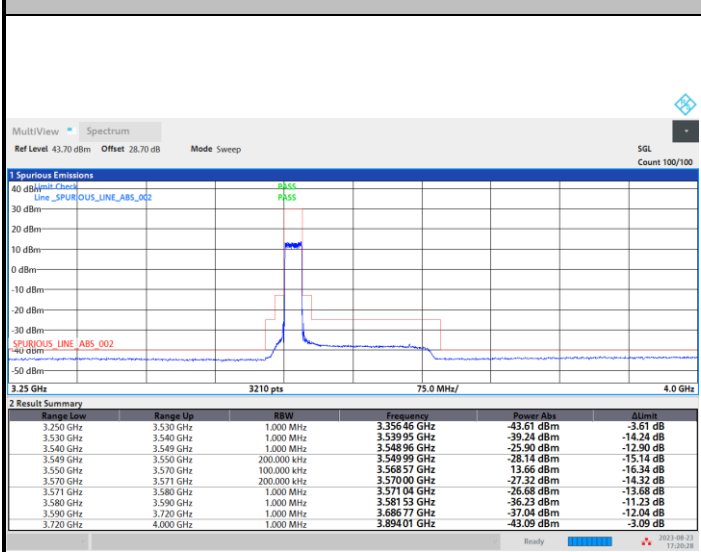


05:14:14 PM 08/23/2023

05:17:18 PM 08/23/2023

64QAM

256QAM



05:20:28 PM 08/23/2023

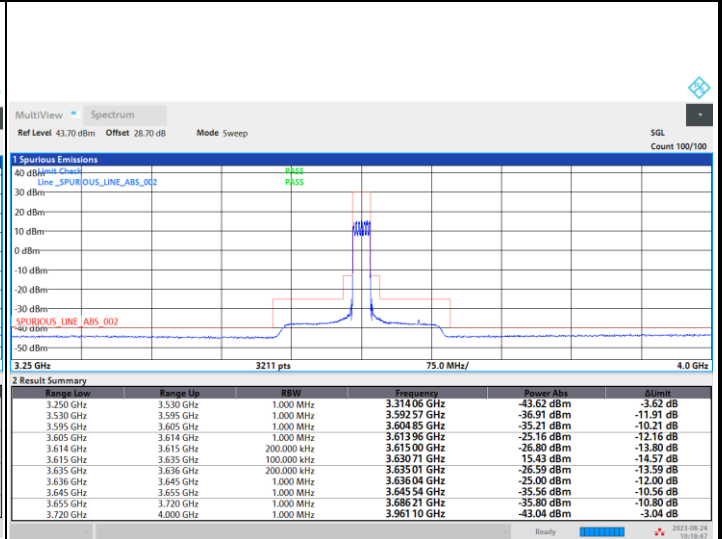
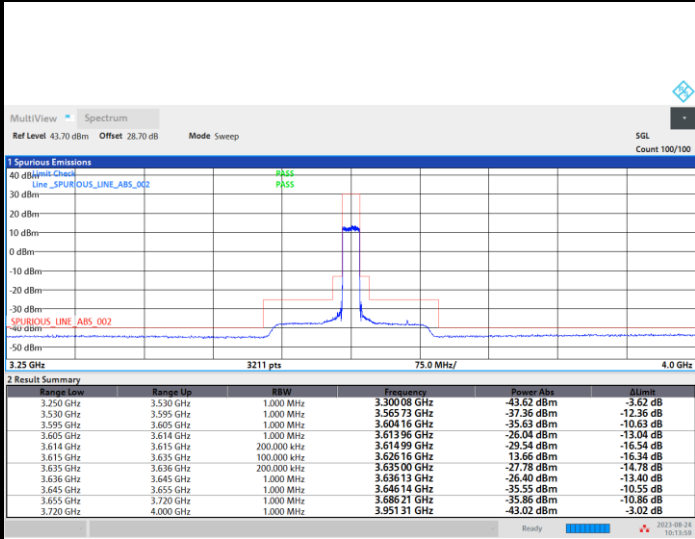
05:24:03 PM 08/23/2023



FR1 n48 / 20MHz / Middle Channel / MASK

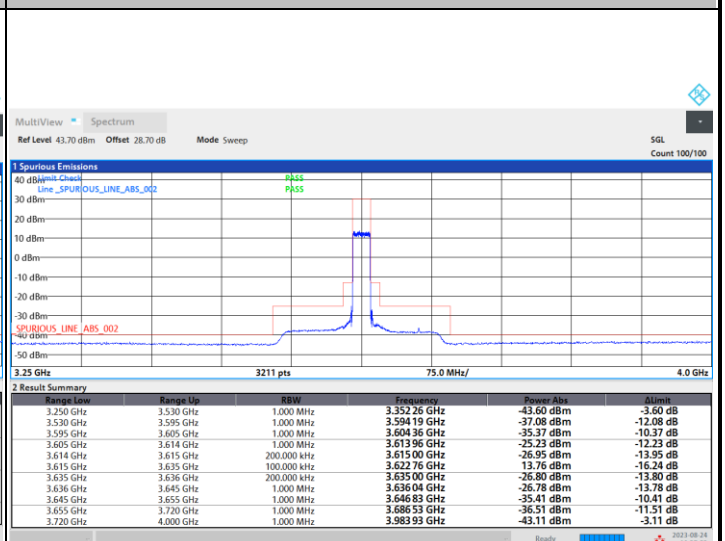
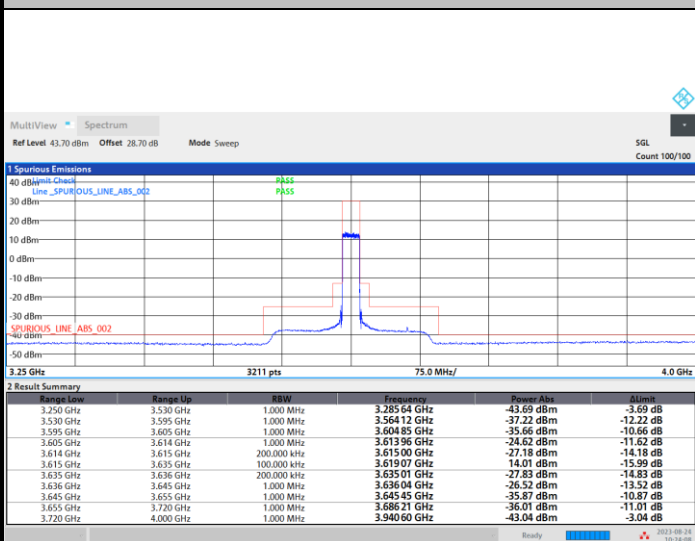
QPSK

16QAM



64QAM

256QAM

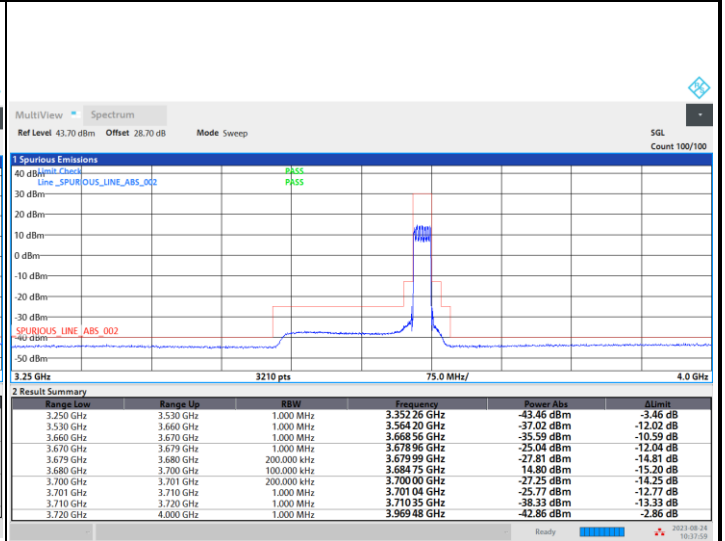
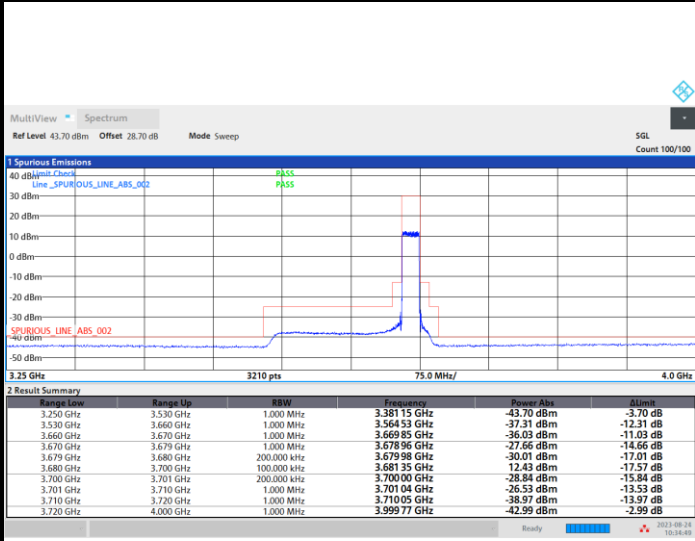




FR1 n48 / 20MHz / Highest Channel / MASK

QPSK

16QAM

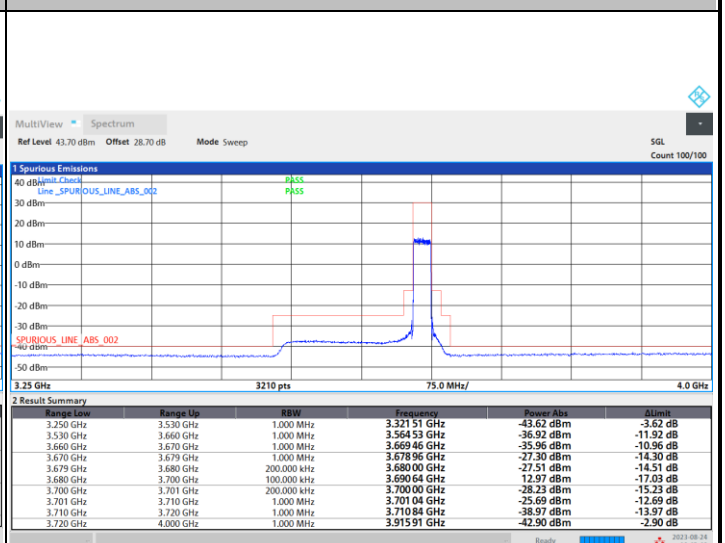
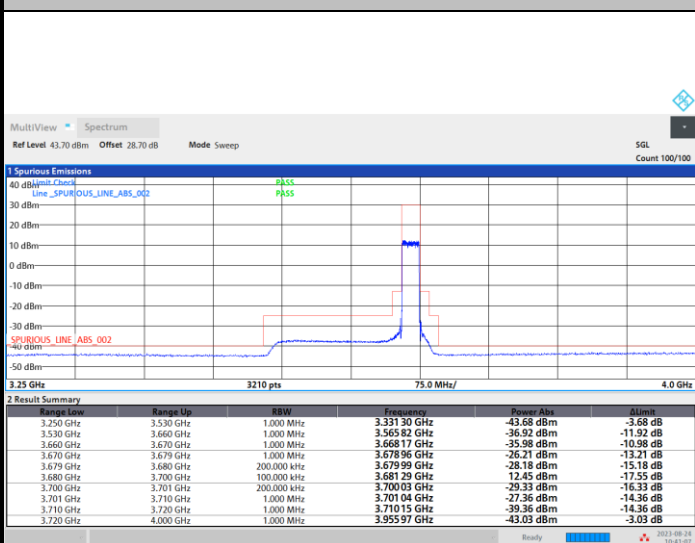


10:34:50 AM 08/24/2023

10:37:59 AM 08/24/2023

64QAM

256QAM



10:41:08 AM 08/24/2023

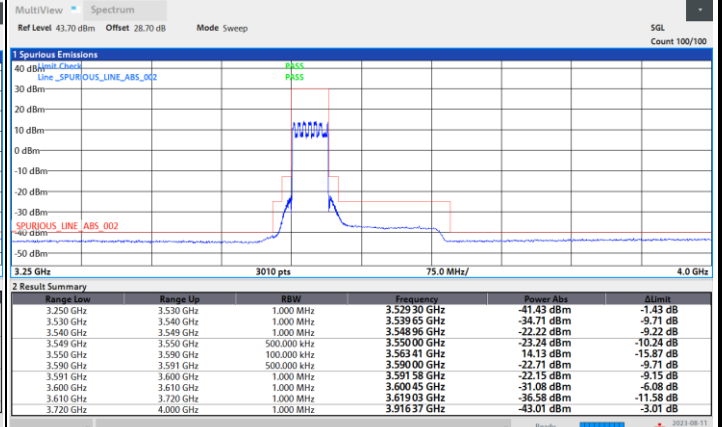
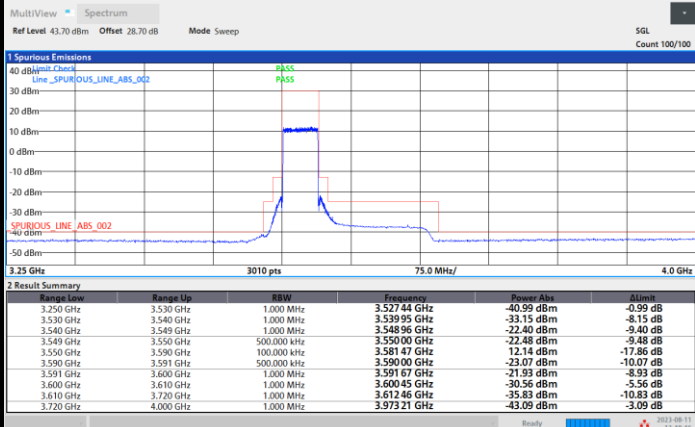
10:43:50 AM 08/24/2023



FR1 n48 / 40MHz / Lowest Channel / MASK

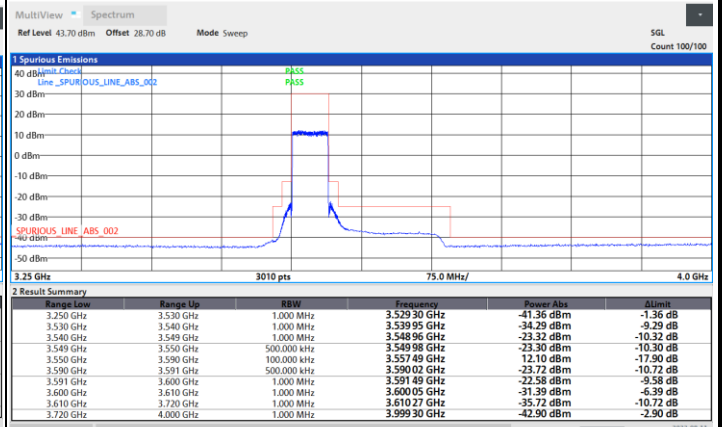
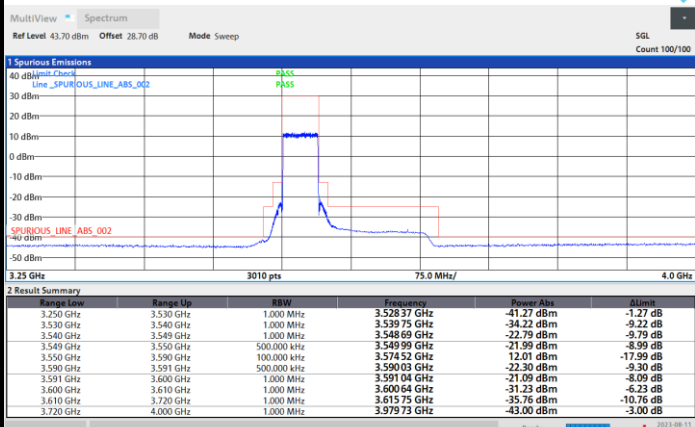
QPSK

16QAM



64QAM

256QAM

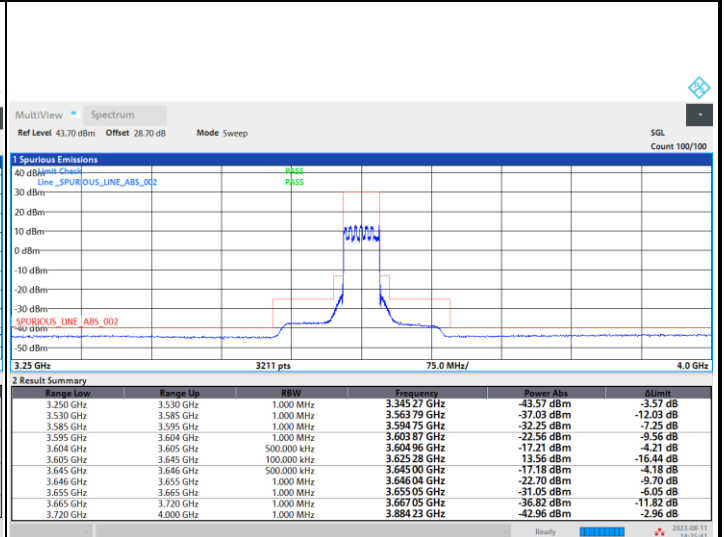
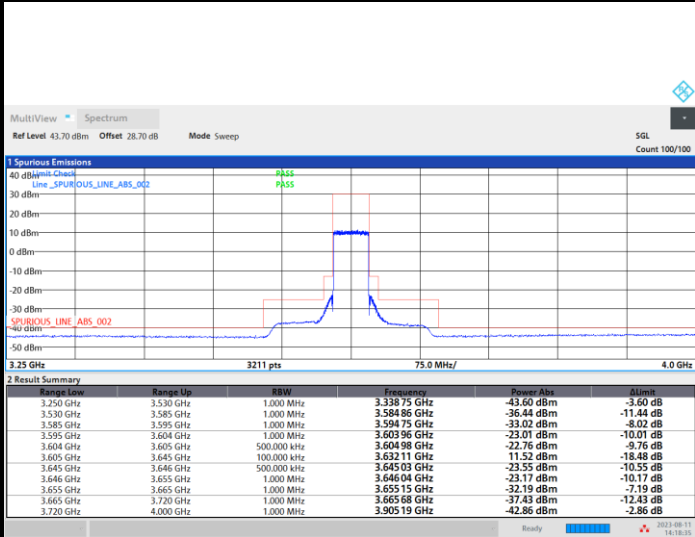




FR1 n48 / 40MHz / Middle Channel / MASK

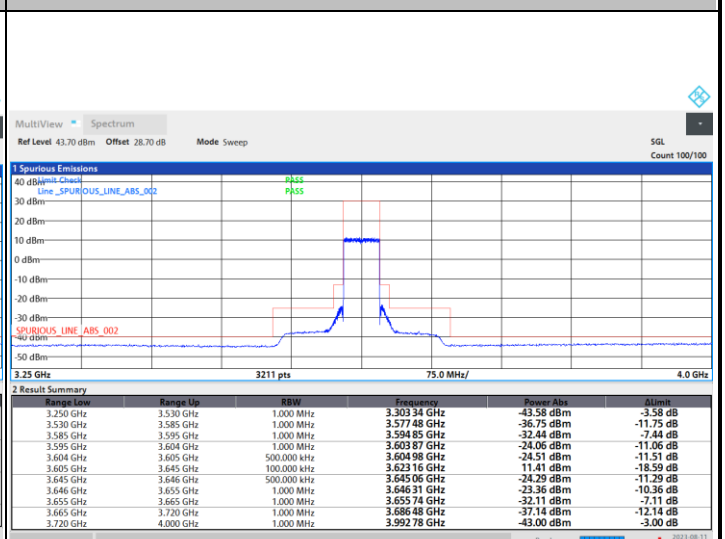
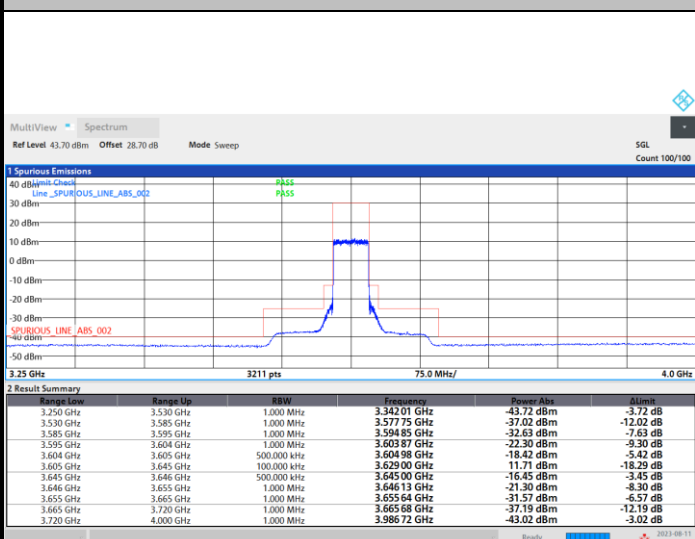
QPSK

16QAM



64QAM

256QAM

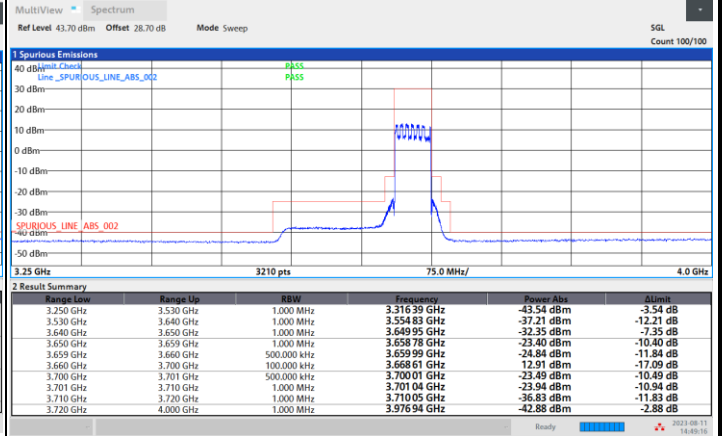
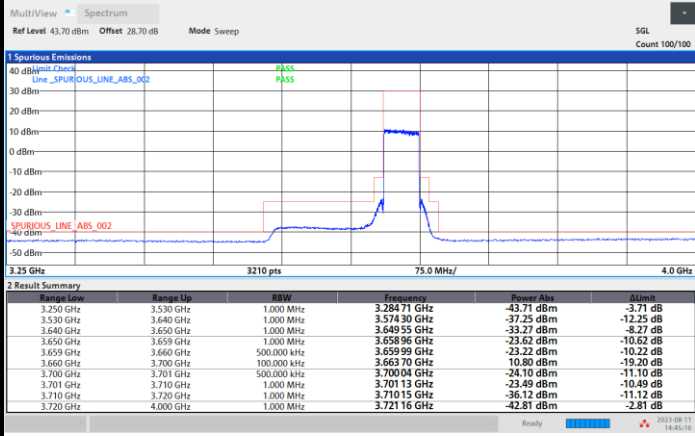




FR1 n48 / 40MHz / Highest Channel / MASK

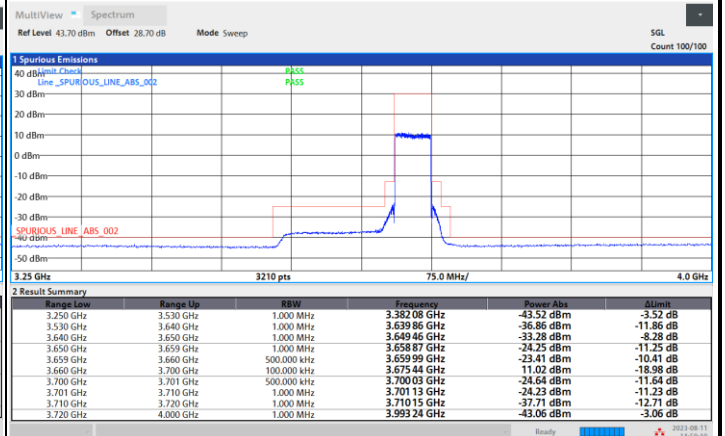
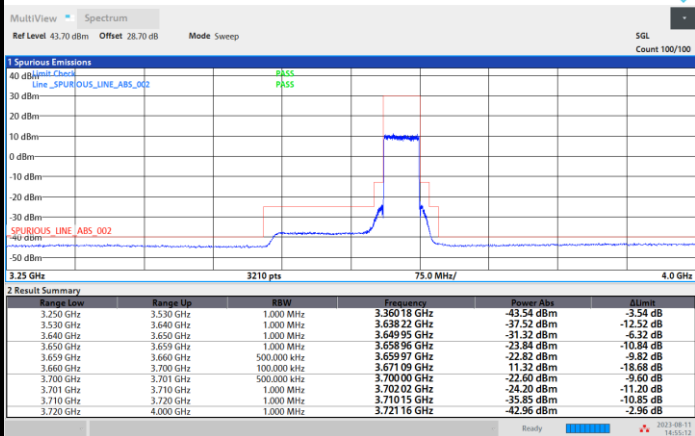
QPSK

16QAM



64QAM

256QAM



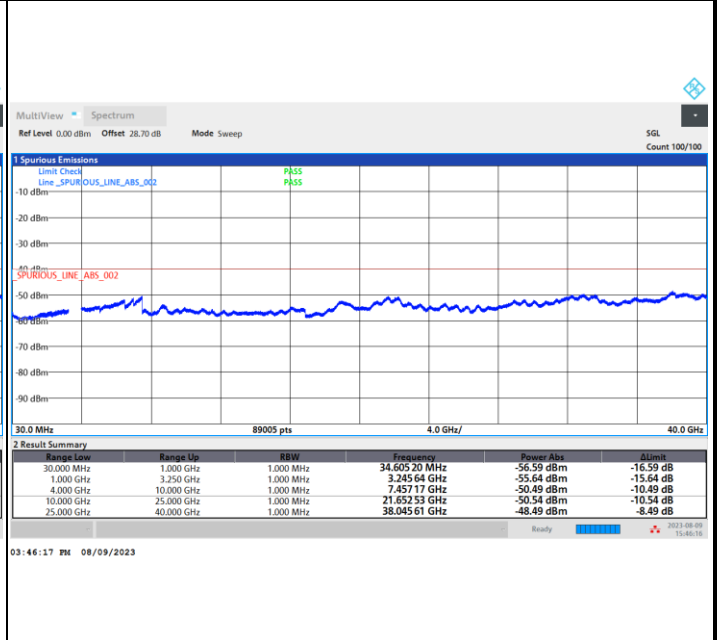
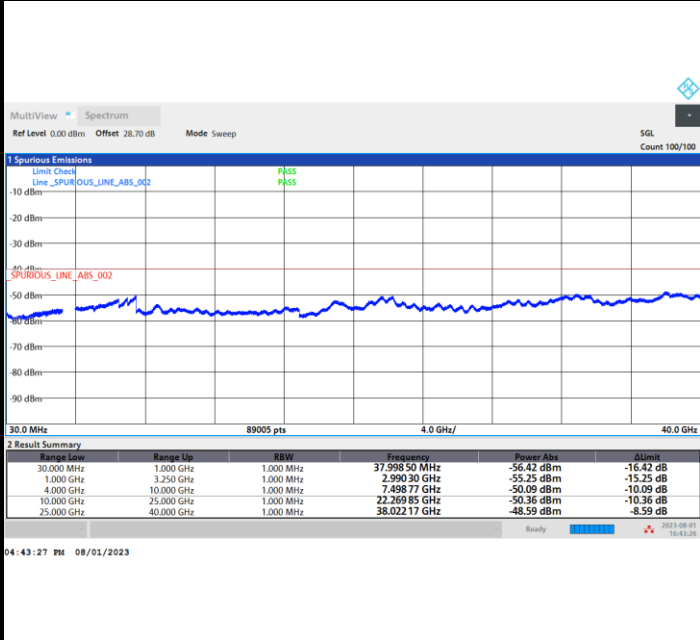


Conducted Spurious Emission

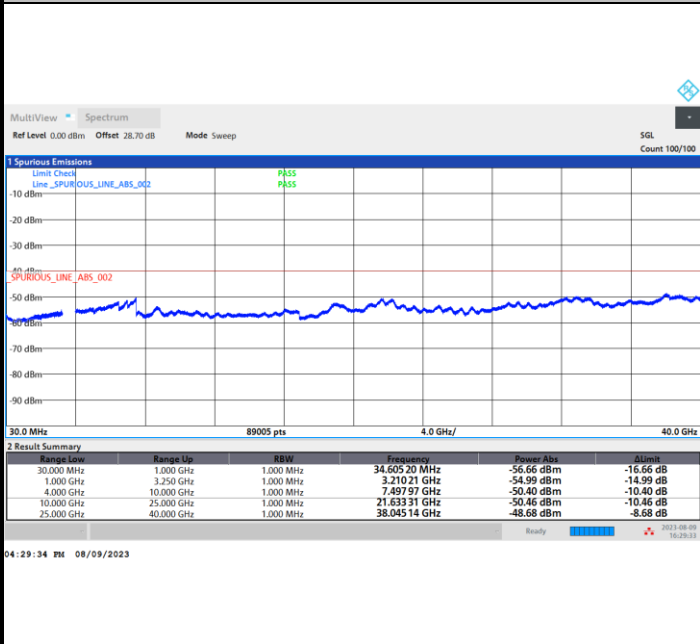
FR1 n48 / 10MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel

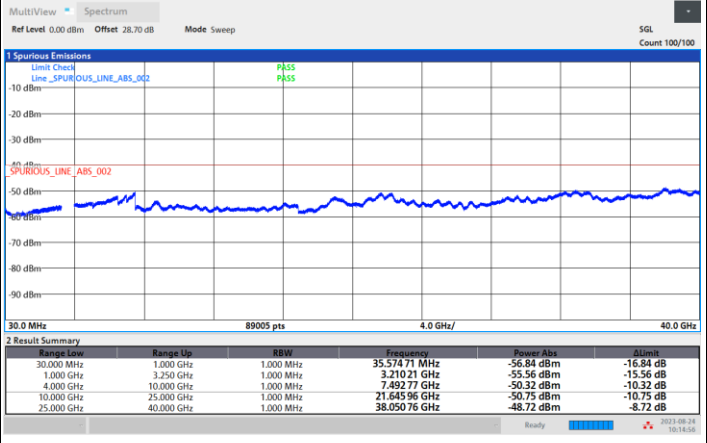
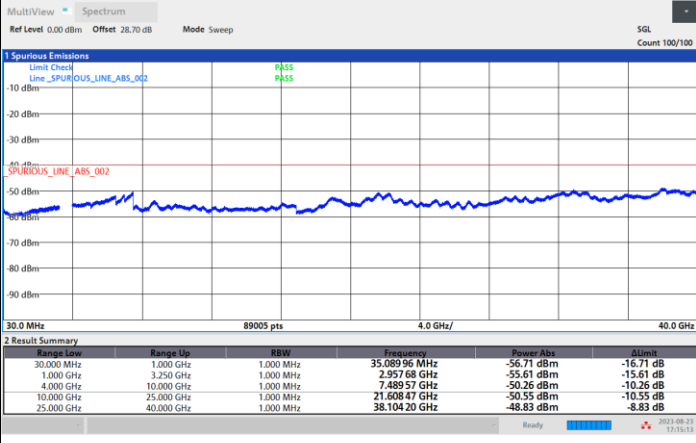




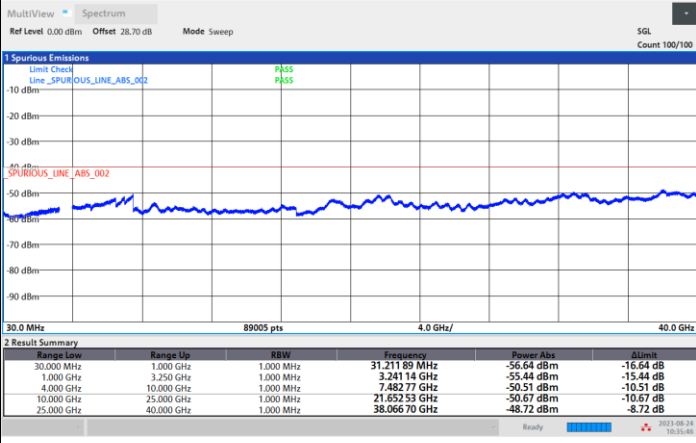
FR1 n48 / 20MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel

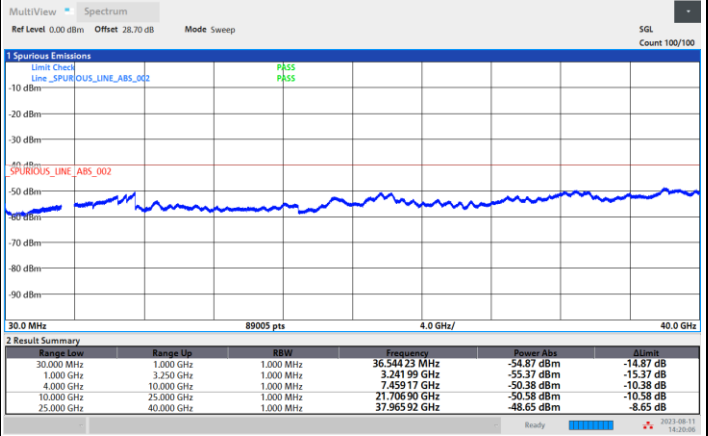
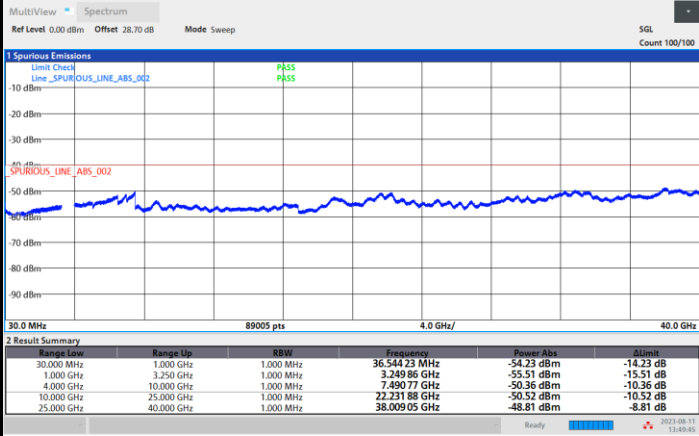




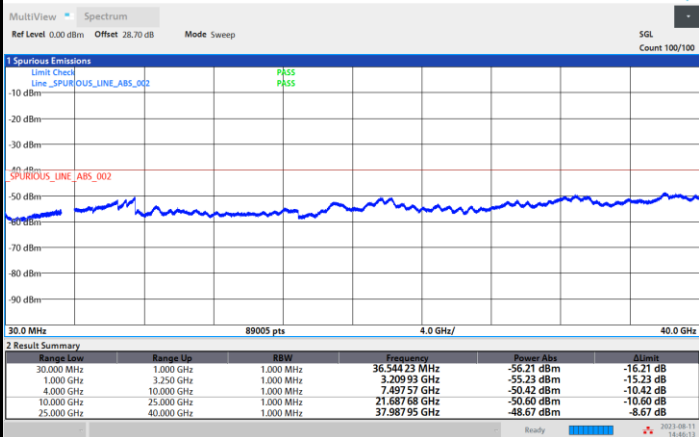
FR1 n48 / 40MHz / QPSK / CSE

Lowest Channel

Middle Channel



Highest Channel





Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Frequency offset (ppm)	Result
50	Normal Voltage	0.8276	PASS
40	Normal Voltage	0.9379	
30	Normal Voltage	0.4966	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.1655	
0	Normal Voltage	0.9931	
-10	Normal Voltage	0.7172	
-20	Normal Voltage	0.1103	
-30	Normal Voltage	1.6000	
20	Maximum Voltage	0.8276	
20	Normal Voltage	1.6000	
20	Minimum Voltage	0.6621	

Note:

- 1. Normal Voltage = 115 V. ; Minimum Voltage = 100 V. ; Maximum Voltage = 240 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

B1. Summary of each worse mode

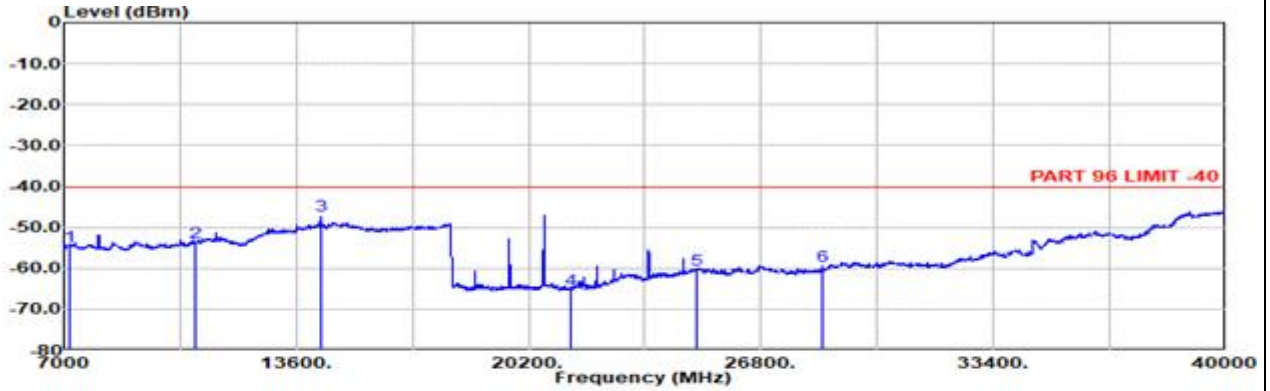
Part	Mode	Ch	Freq (MHz)	Level (dBm)	Detector	Ant Factor (dB/m)	Amp\Cbl (dB)	Filter (dB)	EIRP CF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
96	1	H	14720.000	-44.16	RMS	41.66	-21.85	0.49	-95.23	30.77	-40.00	-4.16	H	All



Part 96 Mode 1

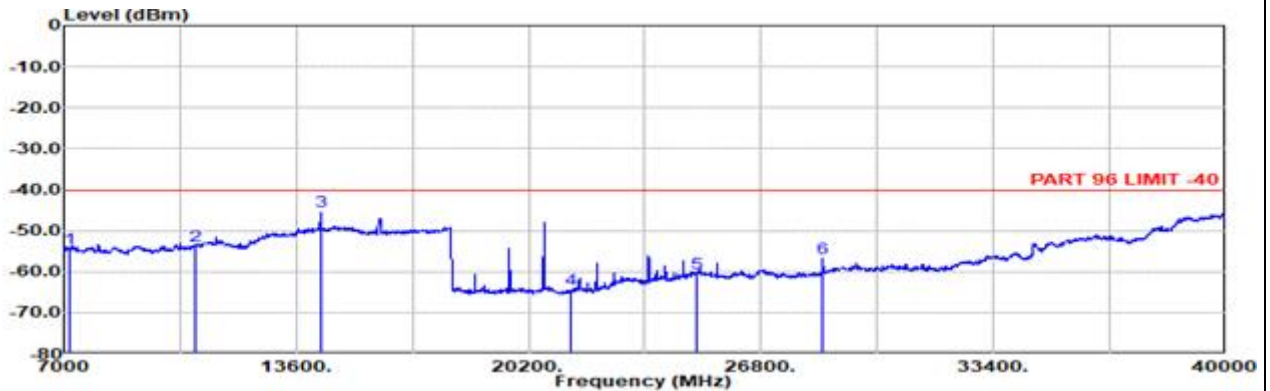
NR SA n48 40M Ch638000 1RB1 QPSK

L



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : SA n48 40M Ch638000 106RB0 QPSK

1	2	3	4	5	6					
Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
7140.00	-54.50	RMS	36.48	-20.49	1.13	-95.23	23.61	-40.00	-14.50	Horizontal
10710.00	-53.85	RMS	37.50	-20.48	0.62	-95.23	23.74	-40.00	-13.85	Horizontal
14280.00	-47.09	RMS	40.94	-21.58	0.57	-95.23	28.21	-40.00	-7.09	Horizontal
21420.00	-65.15	RMS	38.17	-25.63	-9.54	-95.23	27.08	-40.00	-25.15	Horizontal
24990.00	-60.39	RMS	39.78	-21.74	-9.54	-95.23	26.34	-40.00	-20.39	Horizontal
28560.00	-59.46	RMS	39.84	-21.73	-9.54	-95.23	27.20	-40.00	-19.46	Horizontal



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : SA n48 40M Ch638000 106RB0 QPSK

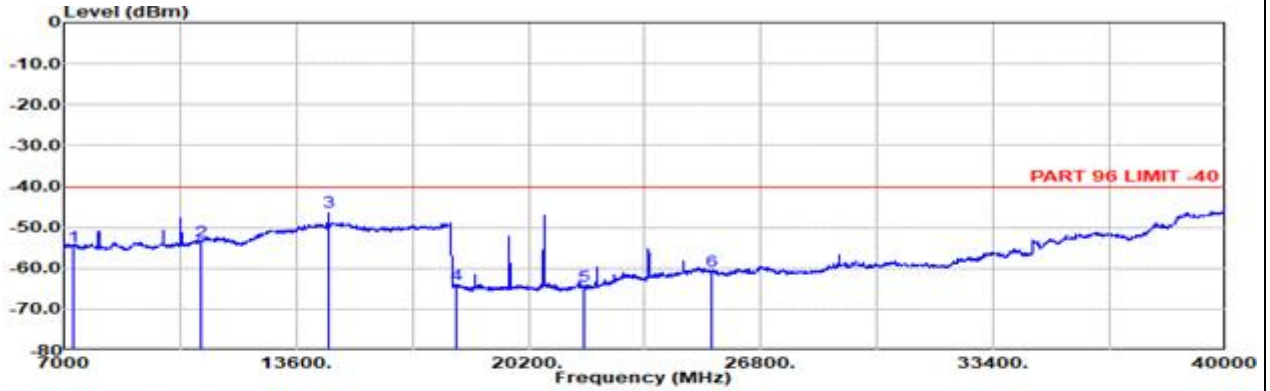
1	2	3	4	5	6					
Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
7140.00	-54.22	RMS	36.48	-20.49	1.13	-95.23	23.89	-40.00	-14.22	Vertical
10710.00	-53.83	RMS	37.50	-20.48	0.62	-95.23	23.76	-40.00	-13.83	Vertical
14280.00	-45.42	RMS	40.94	-21.58	0.57	-95.23	29.88	-40.00	-5.42	Vertical
21420.00	-64.23	RMS	38.17	-25.63	-9.54	-95.23	28.00	-40.00	-24.23	Vertical
24990.00	-60.52	RMS	39.78	-21.74	-9.54	-95.23	26.21	-40.00	-20.52	Vertical
28560.00	-56.81	RMS	39.84	-21.73	-9.54	-95.23	29.85	-40.00	-16.81	Vertical



Part 96 Mode 1

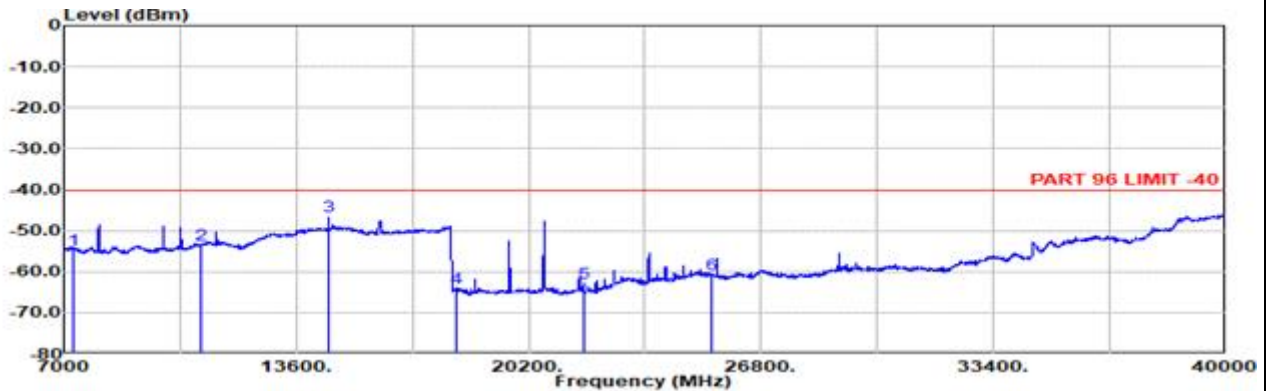
NR SA n48 40M Ch641666 1RB1 QPSK

M



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : SA n48 40M Ch641666 106RB0 QPSK

1	2	3	4	5	6					
Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
7250.00	-54.51	RMS	36.90	-20.42	1.00	-95.23	23.24	-40.00	-14.51	Horizontal
10875.00	-53.39	RMS	37.55	-20.37	0.66	-95.23	24.00	-40.00	-13.39	Horizontal
14500.00	-46.08	RMS	41.30	-21.90	0.53	-95.23	29.22	-40.00	-6.08	Horizontal
18125.00	-64.15	RMS	37.70	-27.33	-9.54	-95.23	30.25	-40.00	-24.15	Horizontal
21750.00	-64.25	RMS	38.90	-25.67	-9.54	-95.23	27.28	-40.00	-24.25	Horizontal
25375.00	-60.72	RMS	39.25	-22.07	-9.54	-95.23	26.87	-40.00	-20.72	Horizontal



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : SA n48 40M Ch641666 106RB0 QPSK

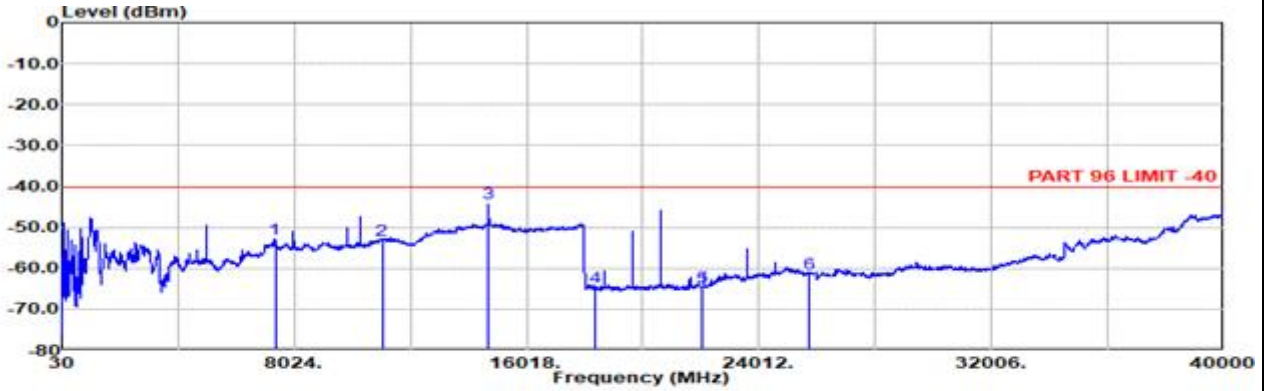
1	2	3	4	5	6					
Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb dB	Filter dB	EIRPCF dB	Readin dBuV	Limit dBm	Margin dB	Pol
7250.00	-54.62	RMS	36.90	-20.42	1.00	-95.23	23.13	-40.00	-14.62	Vertical
10875.00	-53.50	RMS	37.55	-20.37	0.66	-95.23	23.89	-40.00	-13.50	Vertical
14500.00	-46.62	RMS	41.30	-21.90	0.53	-95.23	28.68	-40.00	-6.62	Vertical
18125.00	-64.12	RMS	37.70	-27.33	-9.54	-95.23	30.28	-40.00	-24.12	Vertical
21750.00	-62.90	RMS	38.90	-25.67	-9.54	-95.23	28.63	-40.00	-22.90	Vertical
25375.00	-60.71	RMS	39.25	-22.07	-9.54	-95.23	26.88	-40.00	-20.71	Vertical



Part 96 Mode 1

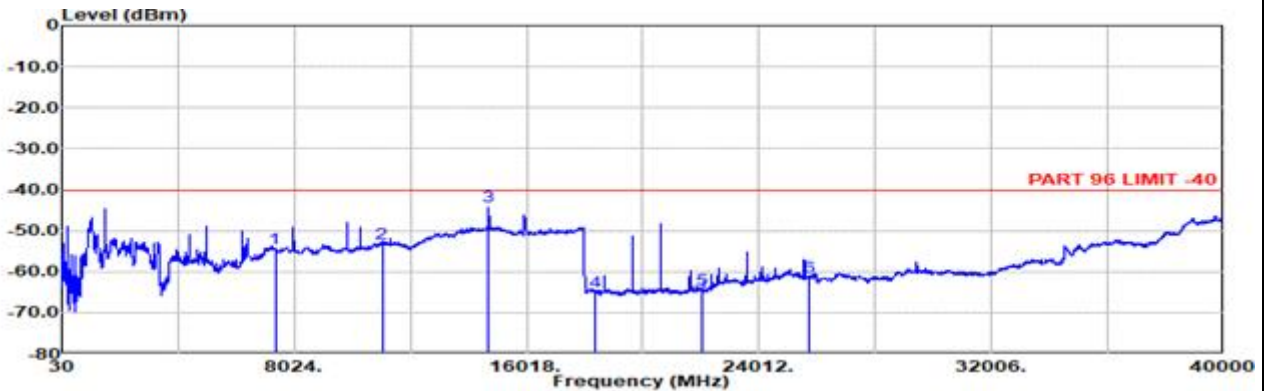
NR SA n48 40M Ch645332 1RB1 QPSK

H



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal
 : SA n48 40M Ch645332 1RB1 QPSK

1	2	3	4	5	6					
Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
			dB/m	dB	dB	dB	dBuV	dBm	dB	
7360.00	-52.79	RMS	36.98	-20.35	0.85	-95.23	24.96	-40.00	-12.79	Horizontal
11040.00	-53.17	RMS	37.96	-20.33	0.69	-95.23	23.74	-40.00	-13.17	Horizontal
14720.00	-44.16	RMS	41.66	-21.85	0.49	-95.23	30.77	-40.00	-4.16	Horizontal
18400.00	-64.51	RMS	37.76	-27.49	-9.54	-95.23	29.99	-40.00	-24.51	Horizontal
22080.00	-64.66	RMS	38.60	-25.56	-9.54	-95.23	27.07	-40.00	-24.66	Horizontal
25760.00	-61.25	RMS	38.92	-22.43	-9.54	-95.23	27.03	-40.00	-21.25	Horizontal



Site : 03CH21-HY
 Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Vertical
 : SA n48 40M Ch645332 106RB0 QPSK

1	2	3	4	5	6					
Freq MHz	Level dBm	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
			dB/m	dB	dB	dB	dBuV	dBm	dB	
7360.00	-54.24	RMS	36.98	-20.35	0.85	-95.23	23.51	-40.00	-14.24	Vertical
11040.00	-53.19	RMS	37.96	-20.33	0.69	-95.23	23.72	-40.00	-13.19	Vertical
14720.00	-44.19	RMS	41.66	-21.85	0.49	-95.23	30.74	-40.00	-4.19	Vertical
18400.00	-64.95	RMS	37.76	-27.49	-9.54	-95.23	29.55	-40.00	-24.95	Vertical
22080.00	-64.23	RMS	38.60	-25.56	-9.54	-95.23	27.50	-40.00	-24.23	Vertical
25760.00	-61.25	RMS	38.92	-22.43	-9.54	-95.23	27.03	-40.00	-21.25	Vertical