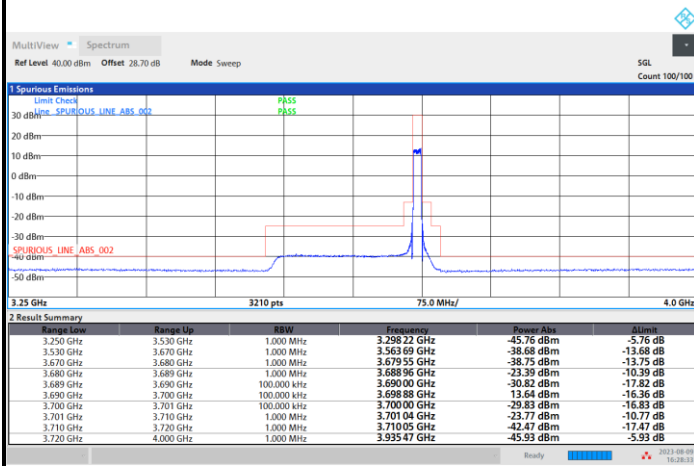




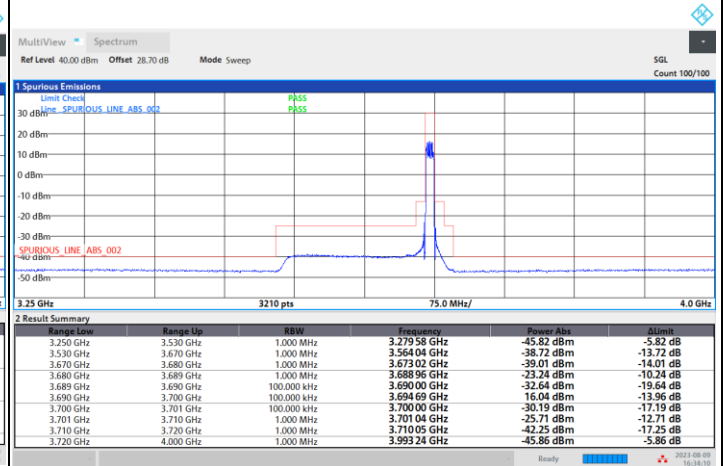
FR1 n48 / 10MHz / Highest Channel / MASK

QPSK



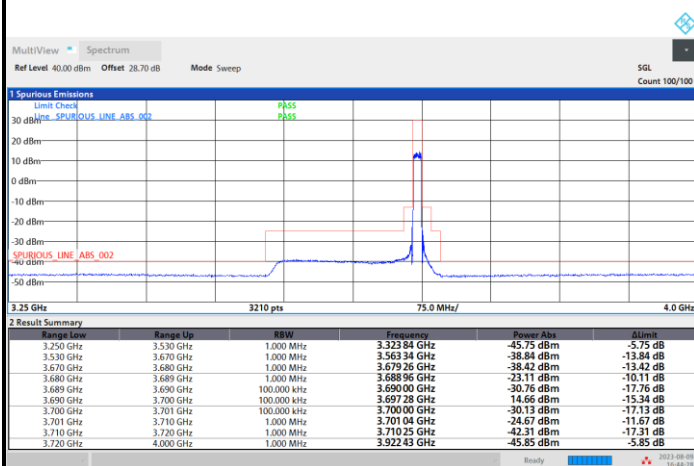
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16QAM



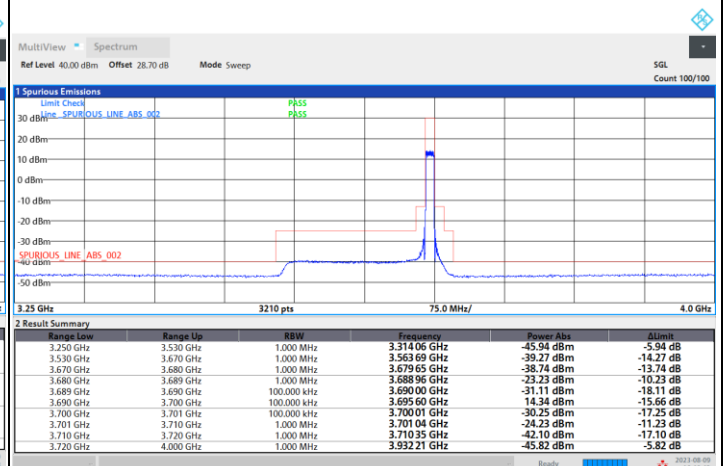
04:34:10 PM 08/09/2023

64QAM



04:44:29 PM 08/09/2023

256QAM

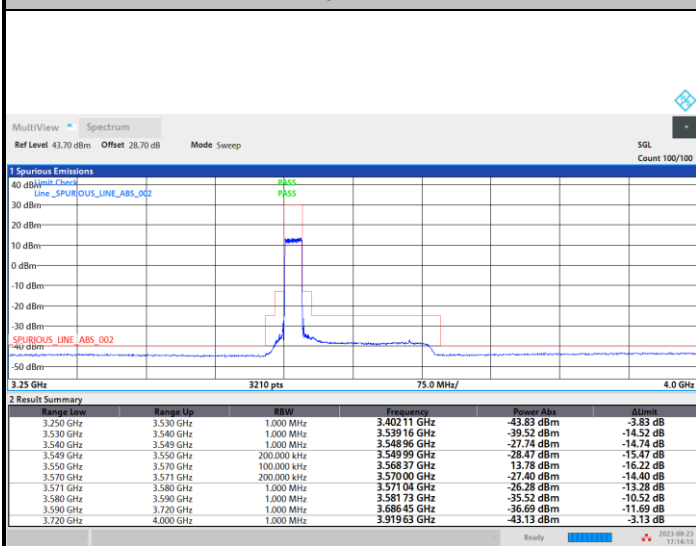


04:48:42 PM 08/09/2023



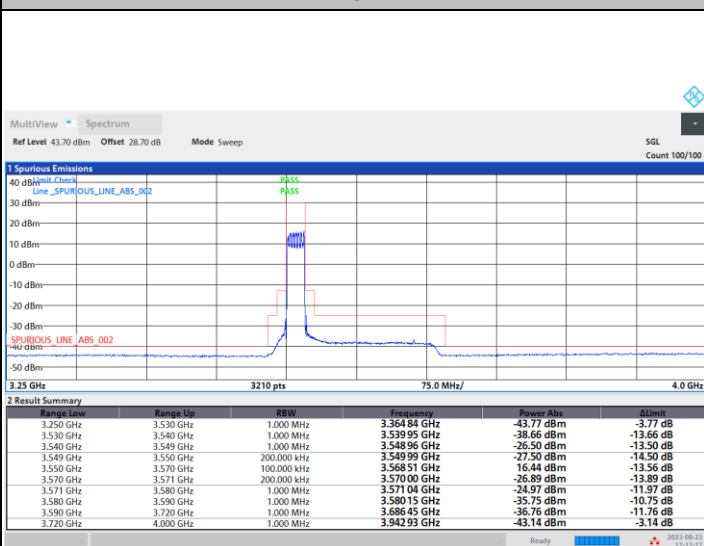
FR1 n48 / 20MHz / Lowest Channel / MASK

QPSK



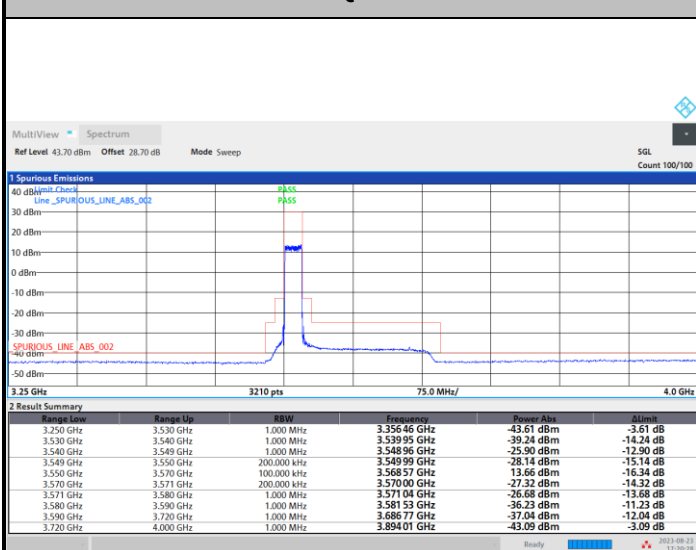
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16QAM



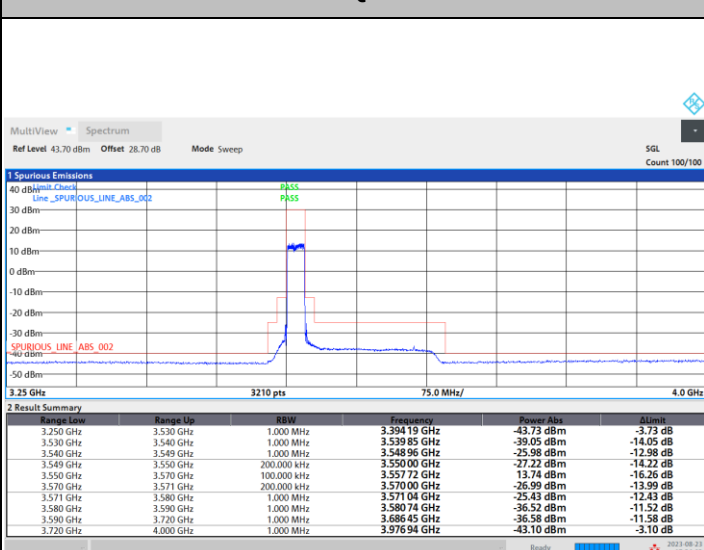
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64QAM



05:20:20 PM 08/23/2023

256QAM

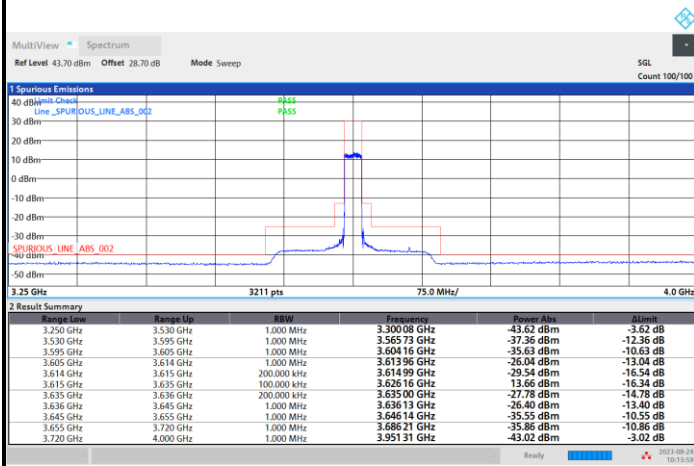


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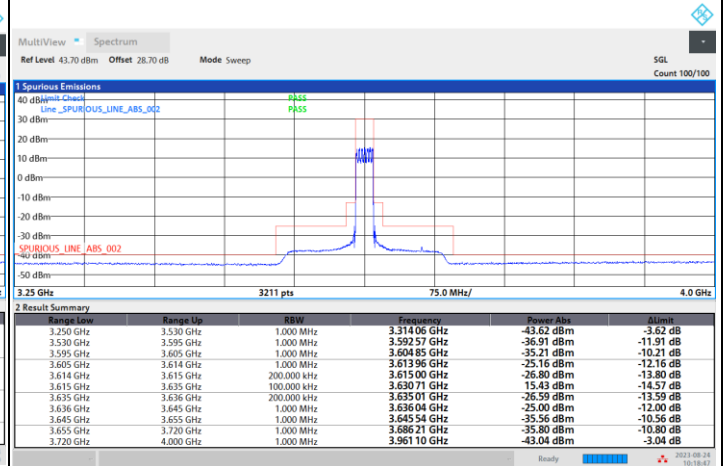
FR1 n48 / 20MHz / Middle Channel / MASK

QPSK



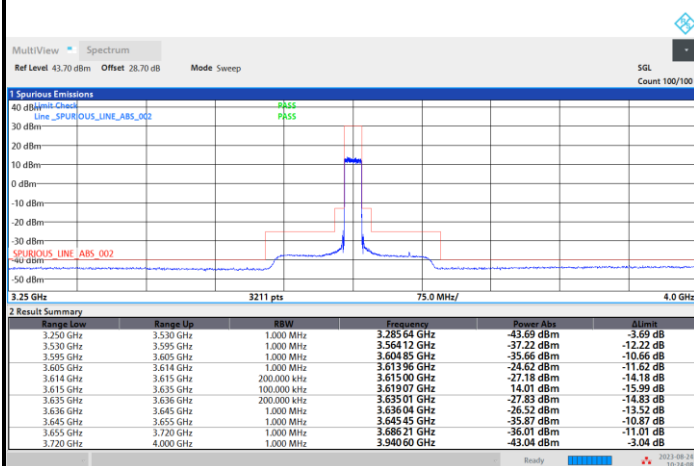
10:13:59 AM 08/24/2023

16QAM



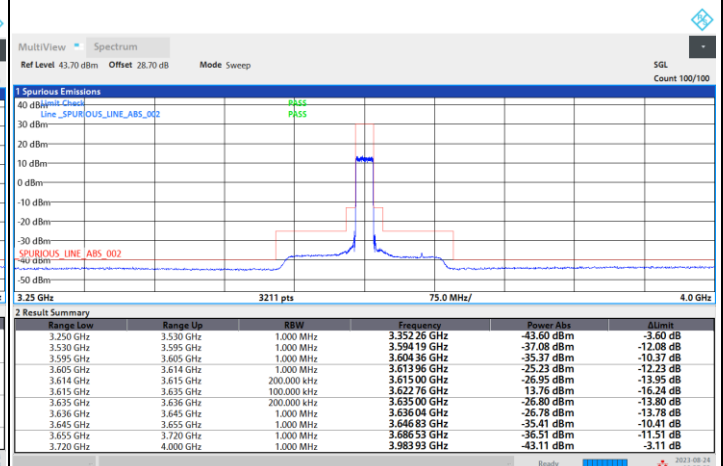
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64QAM



10:24:09 AM 08/24/2023

256QAM



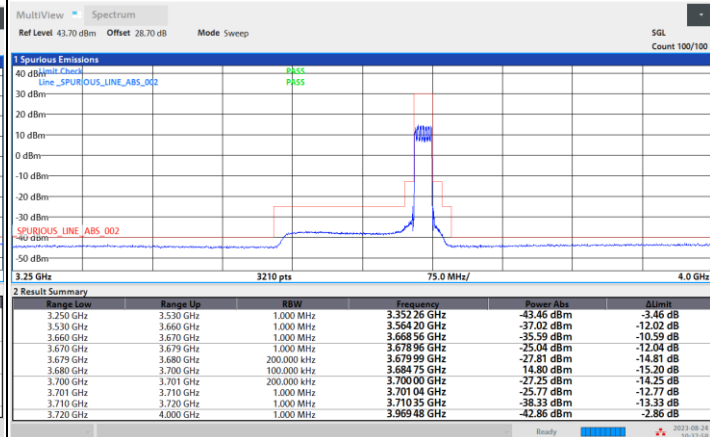
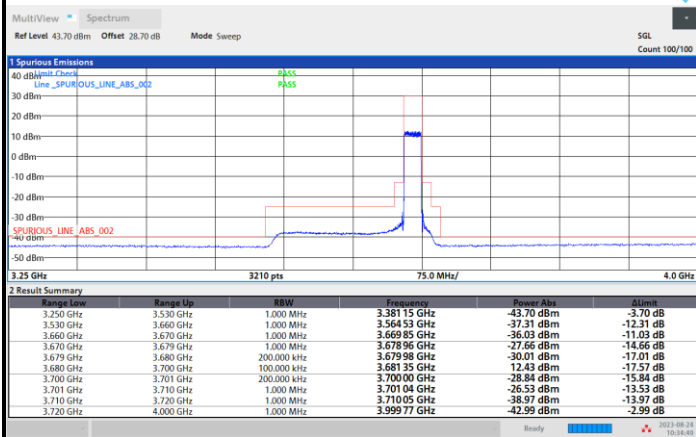
10:27:54 AM 08/24/2023



FR1 n48 / 20MHz / Highest Channel / MASK

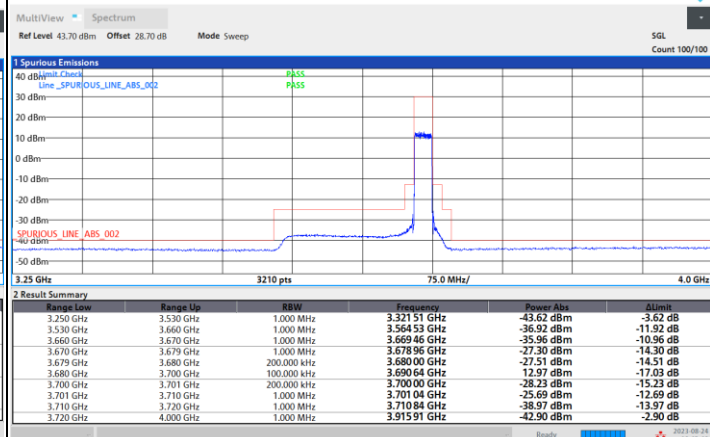
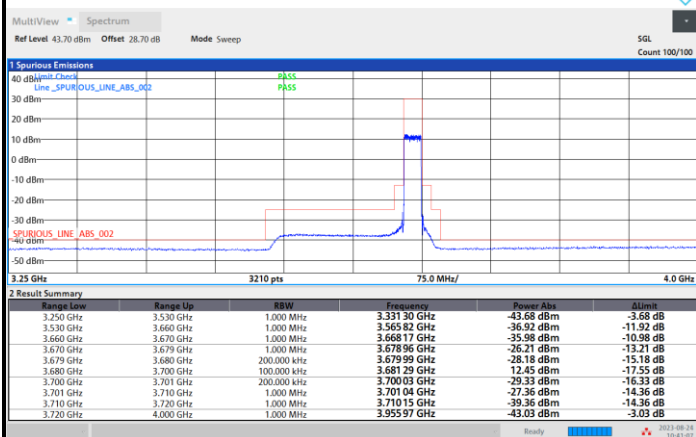
QPSK

16QAM



64QAM

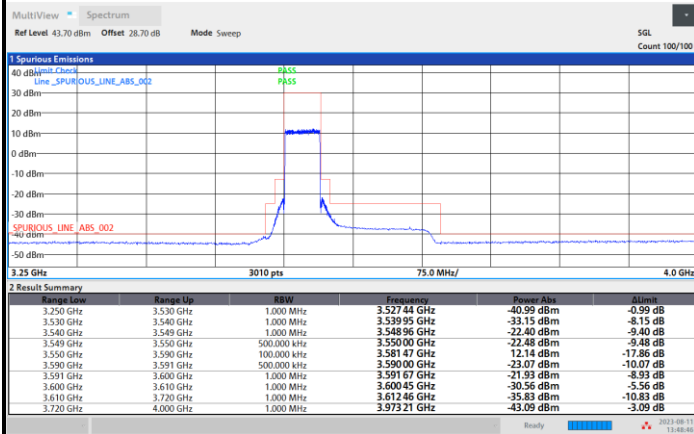
256QAM





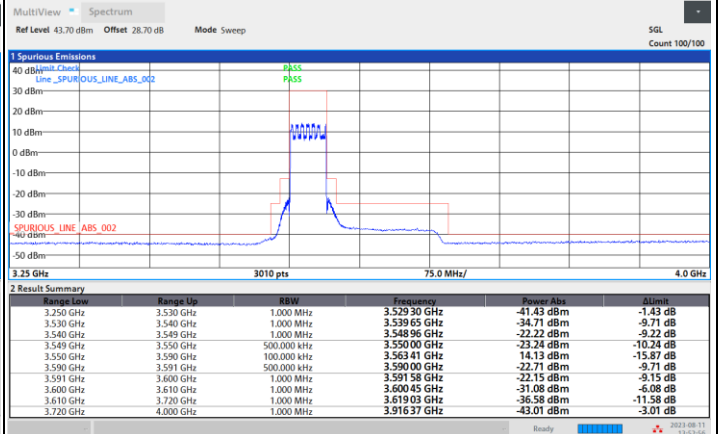
FR1 n48 / 40MHz / Lowest Channel / MASK

QPSK



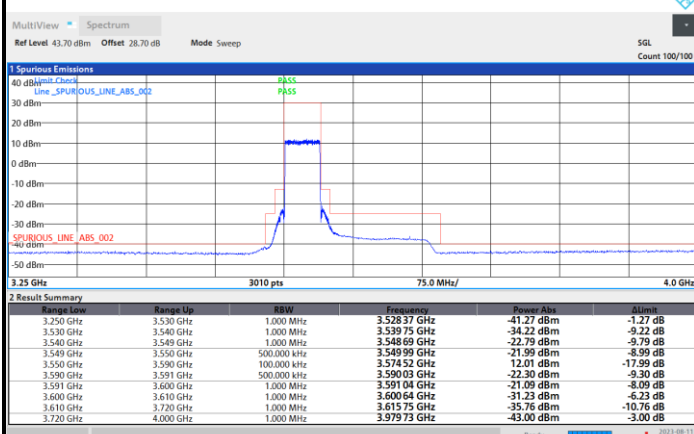
01:48:46 PM 08/11/2023

16QAM



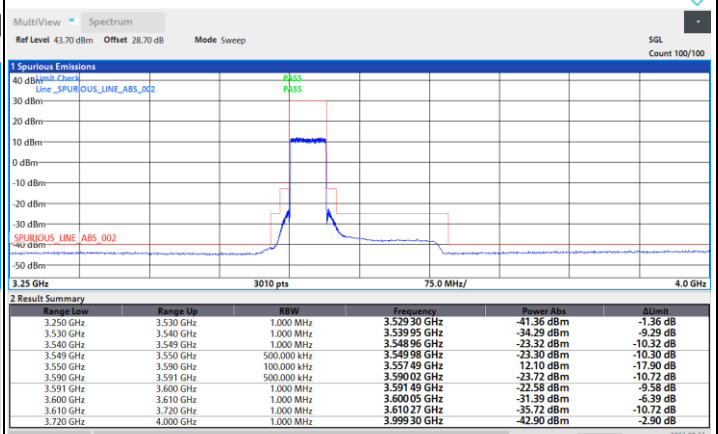
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64QAM



01:57:12 PM 08/11/2023

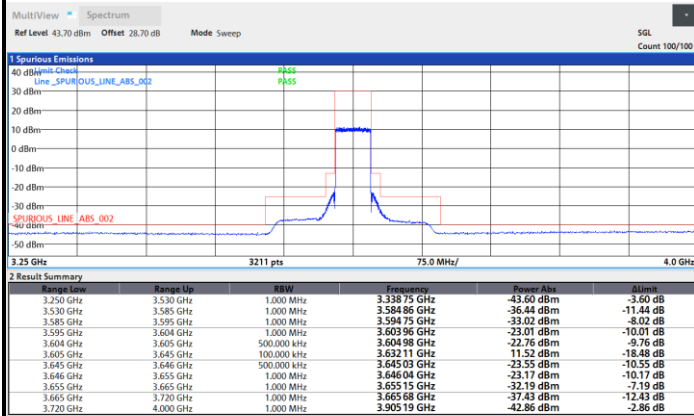
256QAM



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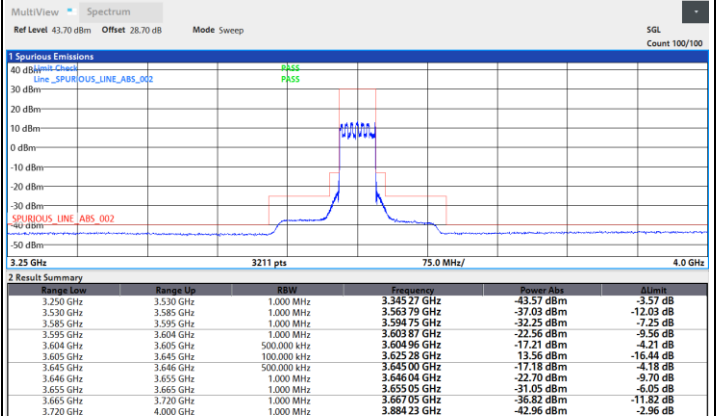
FR1 n48 / 40MHz / Middle Channel / MASK

QPSK



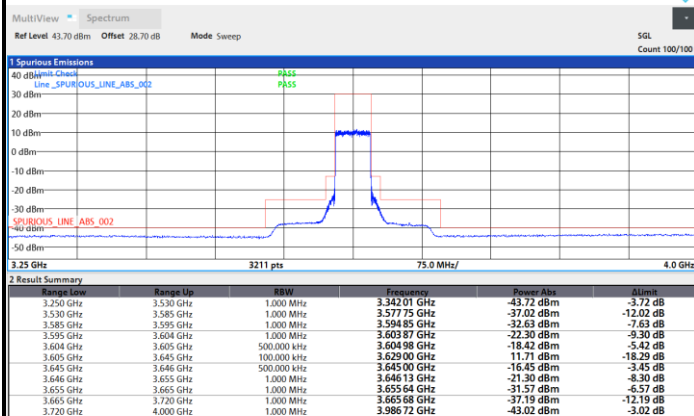
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16QAM



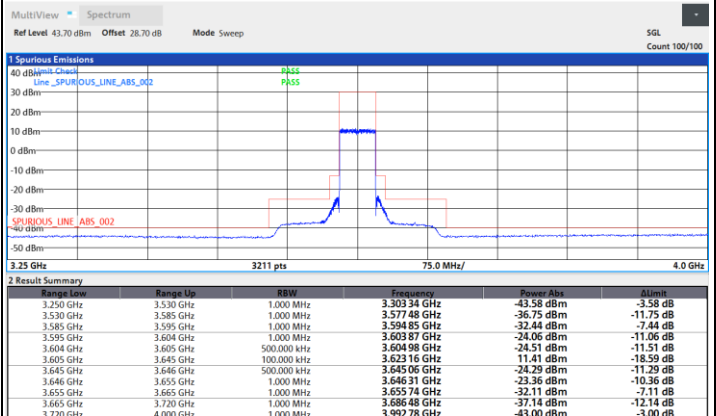
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64QAM



02:34:02 PM 08/11/2023

256QAM

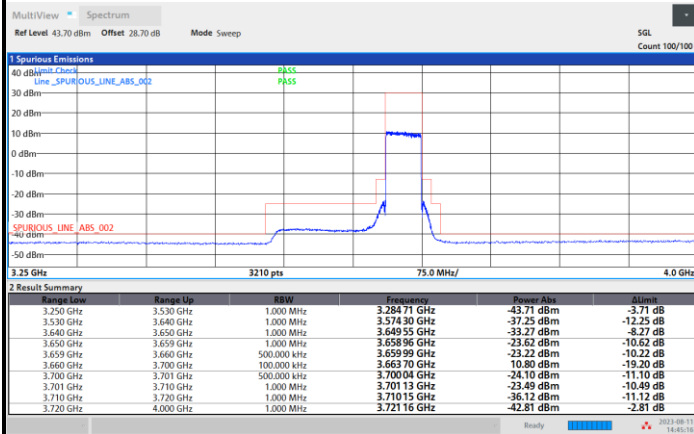


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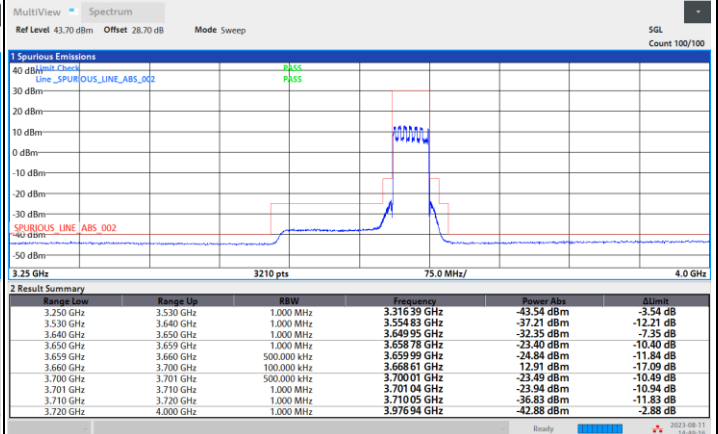
FR1 n48 / 40MHz / Highest Channel / MASK

QPSK



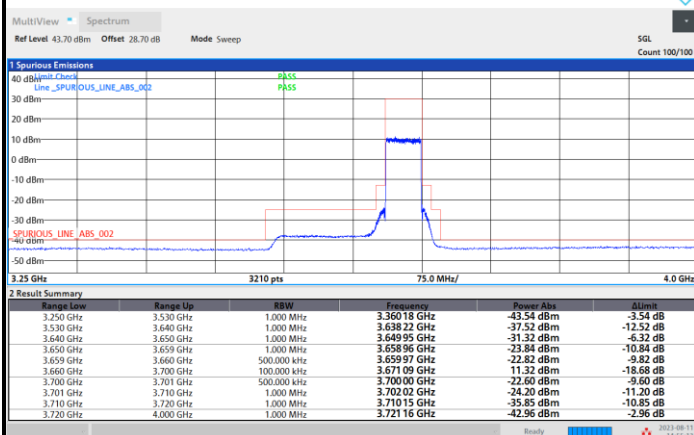
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16QAM



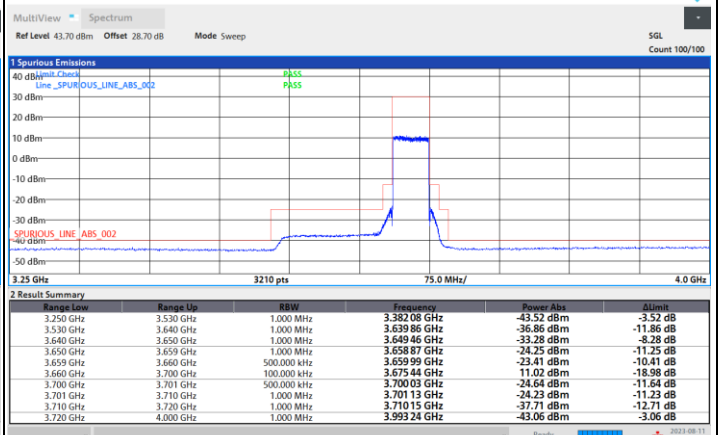
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64QAM



02:55:13 PM 08/11/2023

256QAM



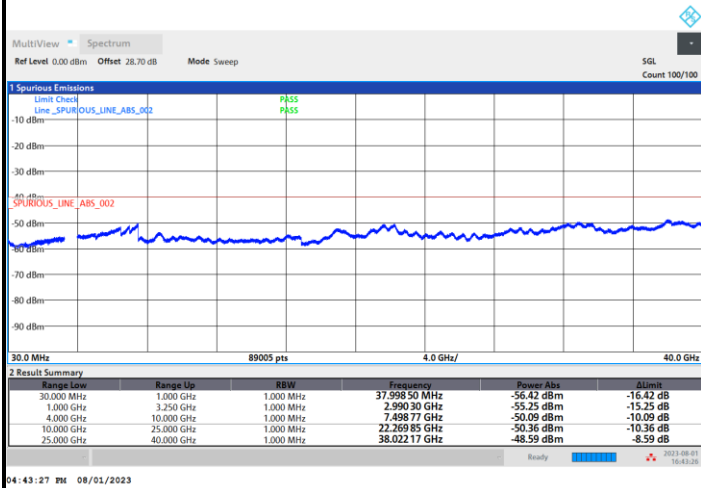
02:59:20 PM 08/11/2023



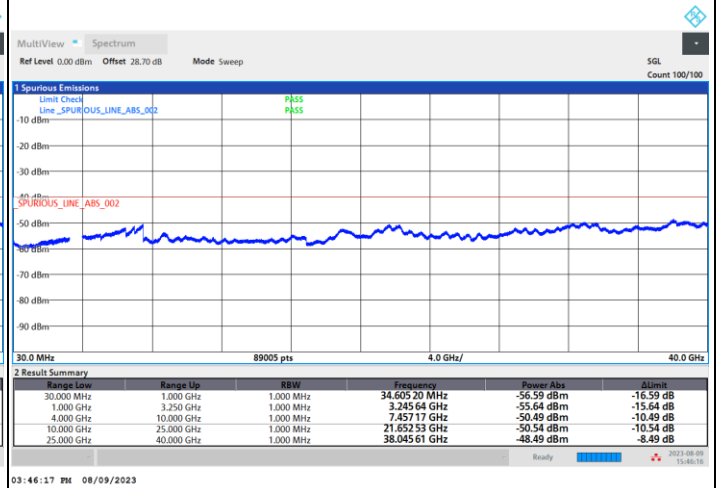
Conducted Spurious Emission

FR1 n48 / 10MHz / QPSK / CSE

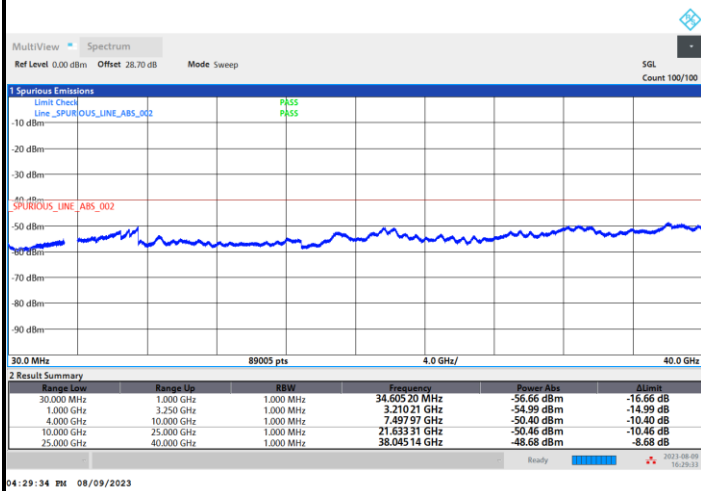
Lowest Channel



Middle Channel



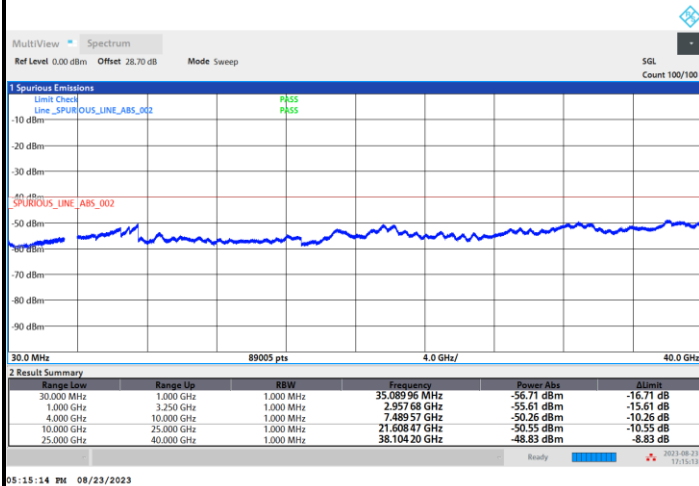
Highest Channel



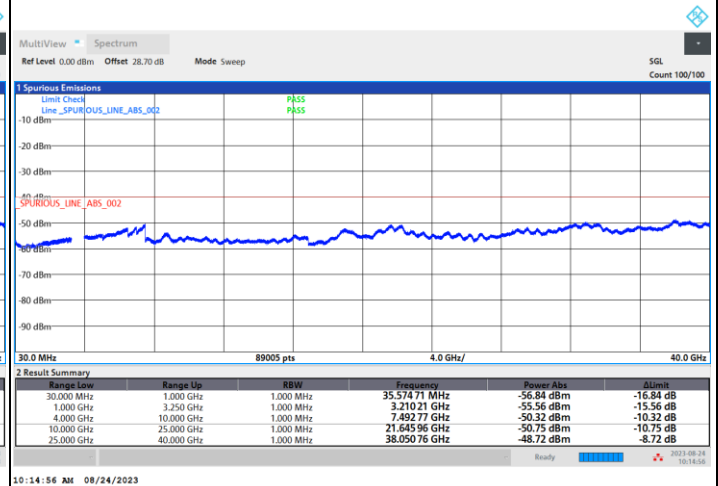


FR1 n48 / 20MHz / QPSK / CSE

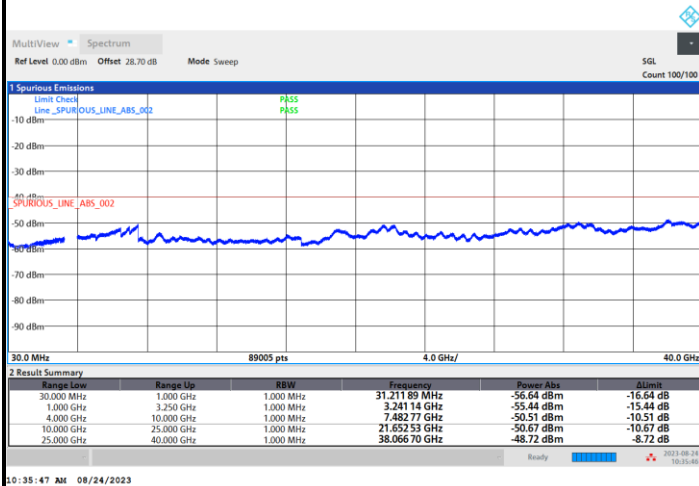
Lowest Channel



Middle Channel



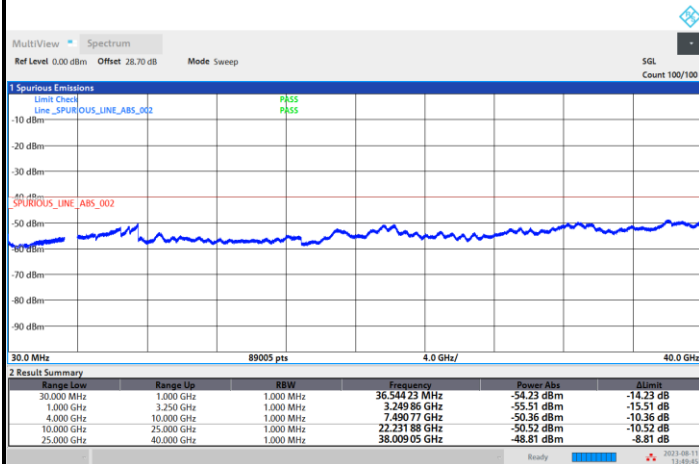
Highest Channel



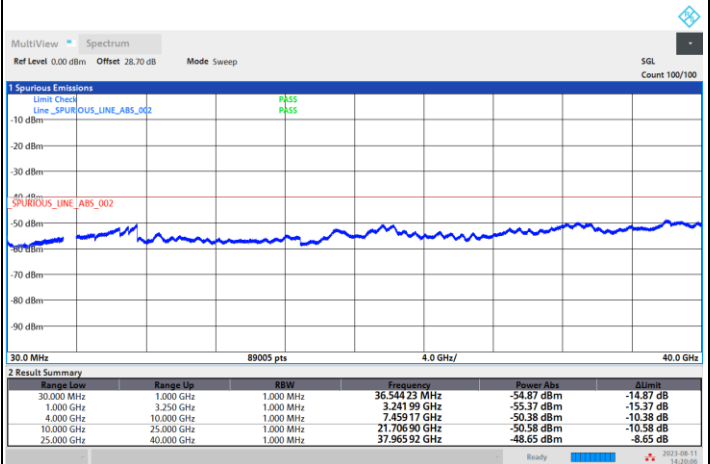


FR1 n48 / 40MHz / QPSK / CSE

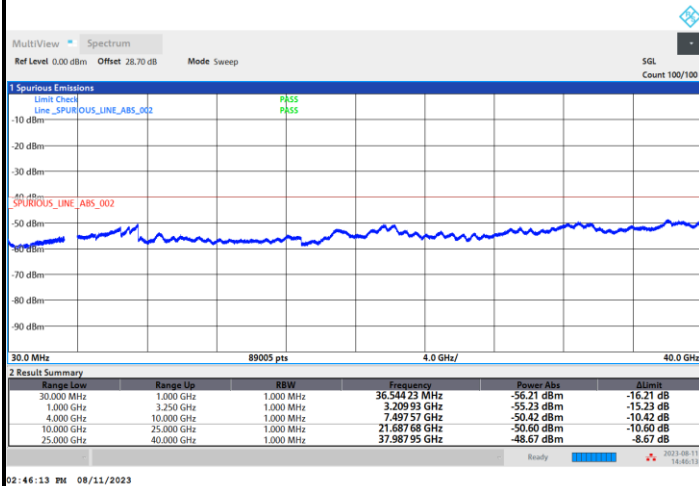
Lowest Channel



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

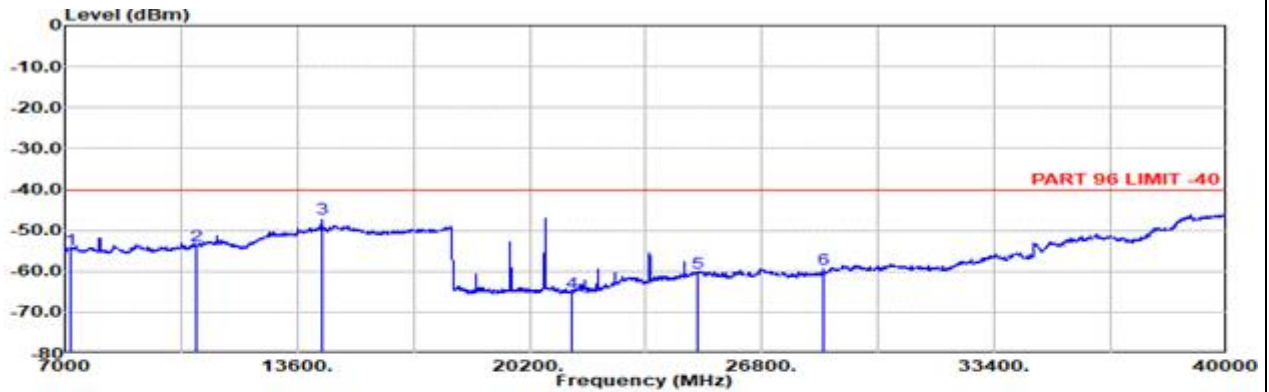
Part	Mode	Ch	Freq (MHz)	Level (dBm)	Detector	Ant Factor (dB/m)	AmplCbl (dB)	Filter (dB)	EIRP CF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
96	1	H	14720.000	-44.16	RMS	41.66	-21.85	0.49	-95.23	30.77	-40.00	-4.16	H	All



Part 96 Mode 1

NR SA n48 40M Ch638000 1RB1 QPSK

L

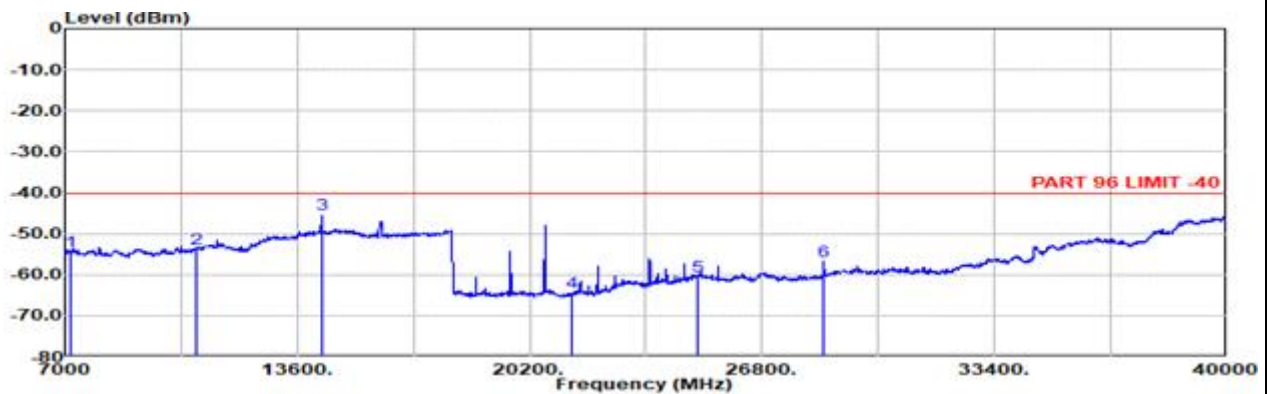


Site : 03CH21-HY

Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 40M Ch638000 106RB0 QPSK

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

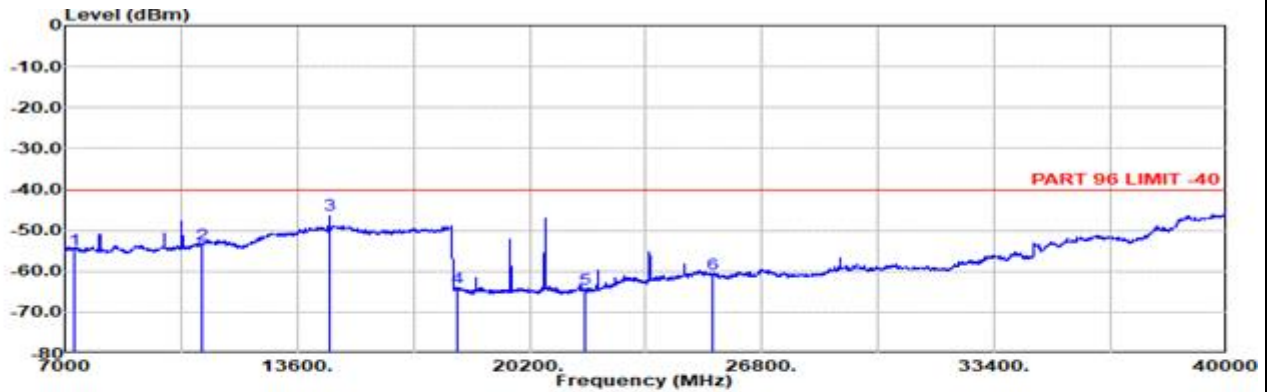
	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	Amp\Cb 1						
1	7140.00	-54.22	RMS	36.48	-20.49	1.13	-95.23	23.89	-40.00	-14.22	Vertical
2	10710.00	-53.83	RMS	37.50	-20.48	0.62	-95.23	23.76	-40.00	-13.83	Vertical
3	14280.00	-45.42	RMS	40.94	-21.58	0.57	-95.23	29.88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

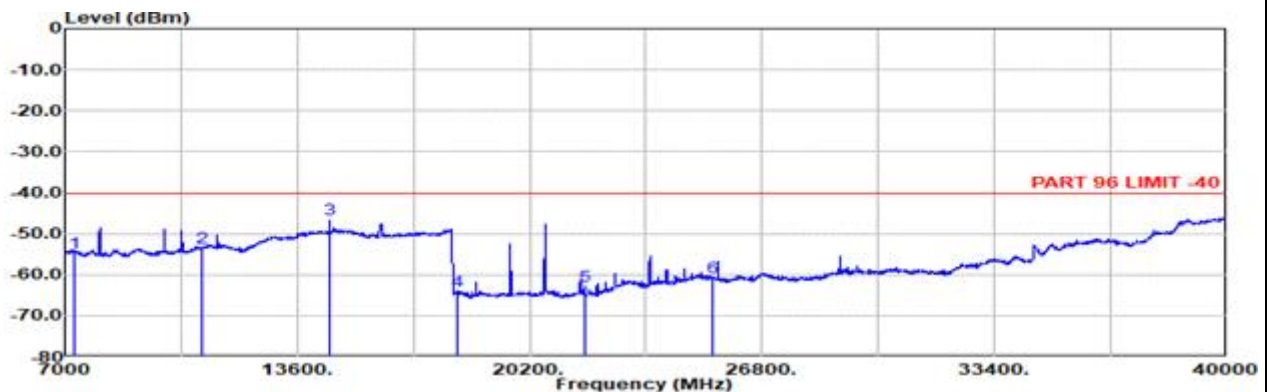


Site : 03CH21-HY

Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 40M Ch641666 106RB0 QPSK

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

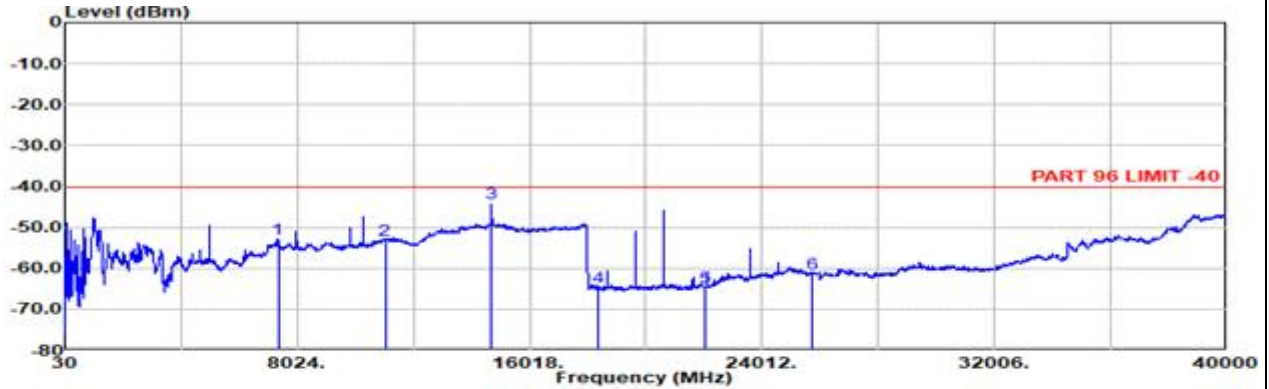
	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dB	dBuV	dBm	dB
1	7250.00	-54.62	RMS	36.90	-20.42	1.00	-95.23	23.13	-40.00	-14.62 Vertical
2	10875.00	-53.50	RMS	37.55	-20.37	0.66	-95.23	23.89	-40.00	-13.50 Vertical
3	14500.00	-46.62	RMS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

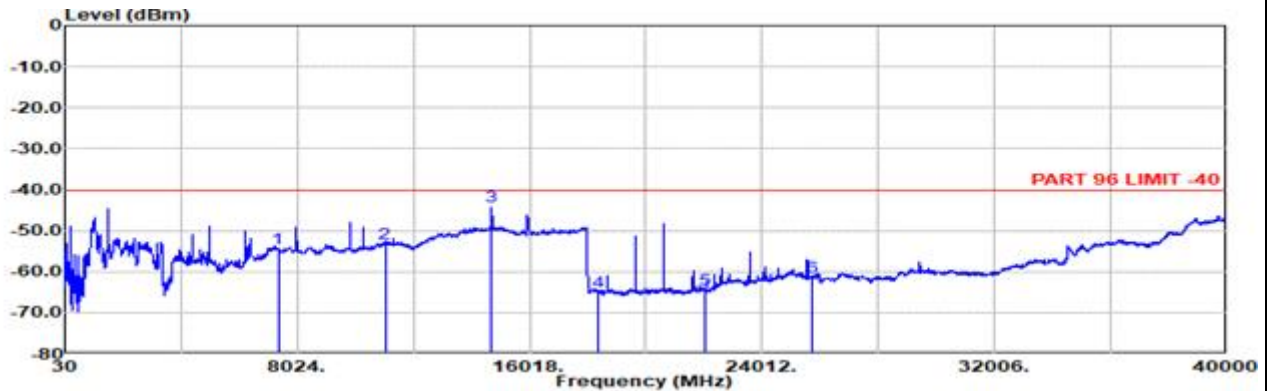


Site : 03CH21-HY

Condition: PART 96 LIMIT -40 3m DRH18-E_LE2C03A18EN_230712 Horizontal

: SA n48 40M Ch645332 1RB1 QPSK

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

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