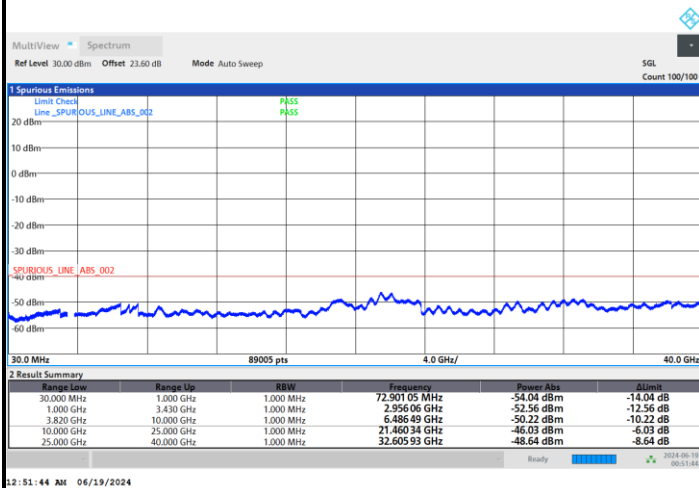


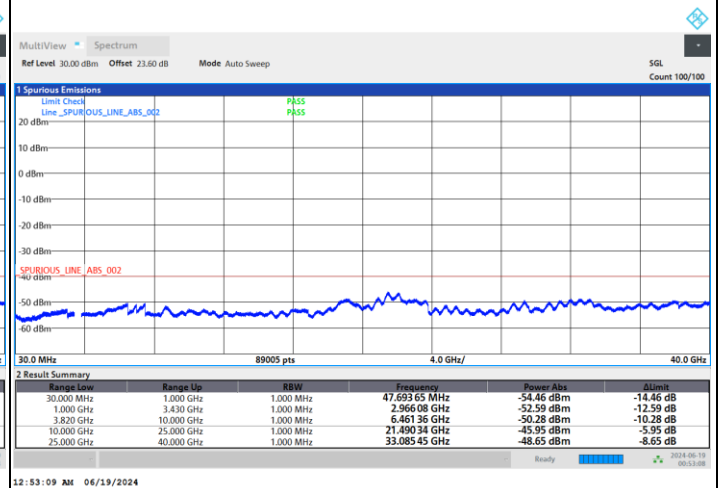


FR1 n48 / 40MHz / DFT-S OFDM / QPSK / 1RB1

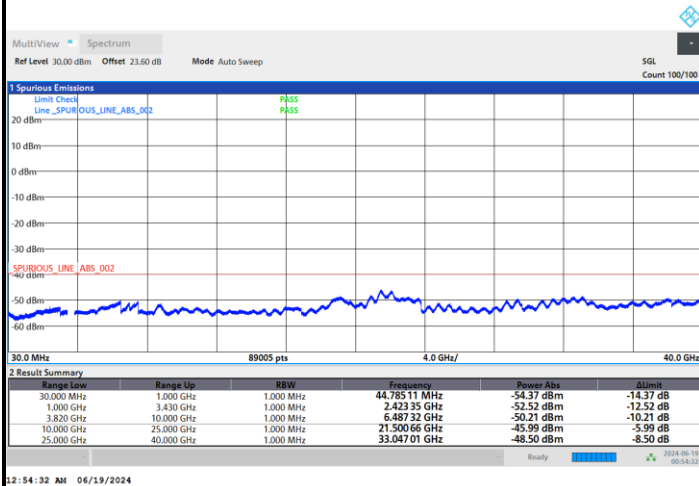
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0042	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0119	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0100	
0	Normal Voltage	0.0167	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0034	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 5.0 V. ; Battery End Point (BEP) = 4.5 V. ; Maximum Voltage = 5.5 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

Mode	Part	Band	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	Amp\Cbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	Part 96	NR SA n48	H	14649	-53.24	RMS	40.50	-46.64	0.49	-95.23	47.64	-40.00	-13.24	V	1
2	Part 96	NR CA n2+n48	H	14645	-52.90	RMS	40.50	-46.63	0.49	-95.23	47.97	-40.00	-12.90	V	1+6

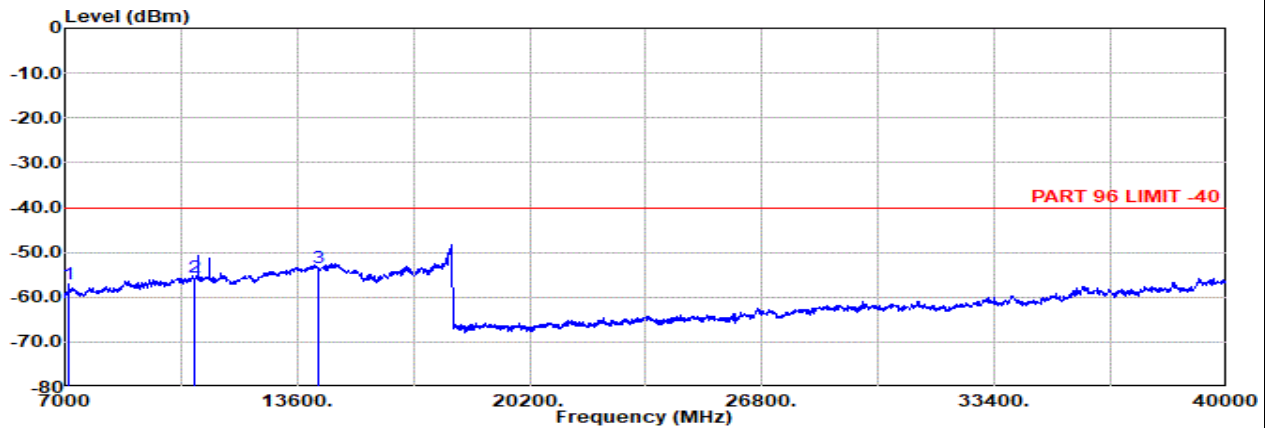


Ant. 1

Part 96 Mode 1

NR SA n48 40M Ch638000 1RB1 BPSK

L

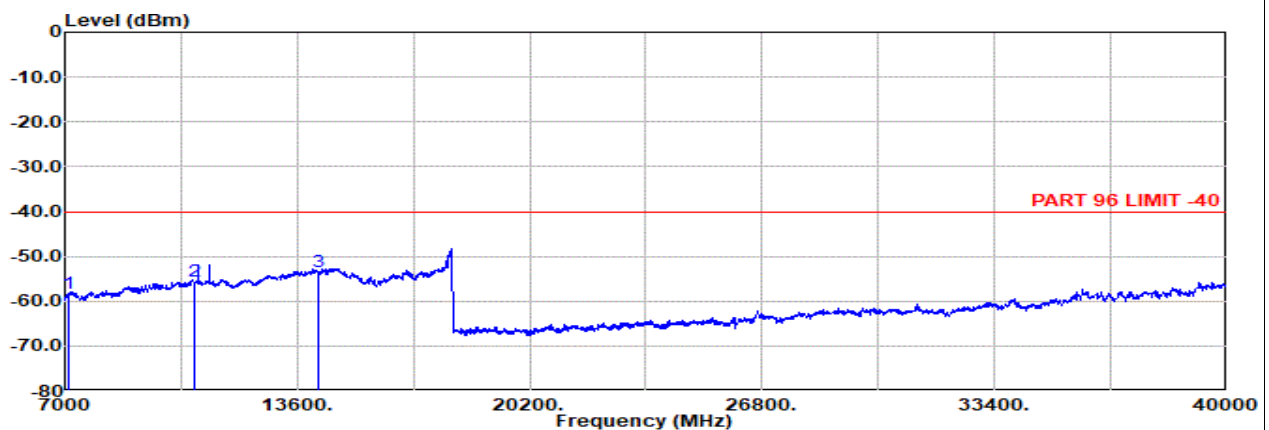


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 40M Ch638000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7104.00	-57.07	RMS	36.36	-52.32	1.11	-95.23	53.01	-40.00	-17.07	Horizontal
2	10656.00	-55.64	RMS	39.06	-49.85	0.45	-95.23	49.93	-40.00	-15.64	Horizontal
3	14209.00	-53.47	RMS	40.90	-46.75	0.44	-95.23	47.17	-40.00	-13.47	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 40M Ch638000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7104.00	-58.40	RMS	36.36	-52.32	1.11	-95.23	51.68	-40.00	-18.40	Vertical
2	10656.00	-55.46	RMS	39.06	-49.85	0.45	-95.23	50.11	-40.00	-15.46	Vertical
3	14209.00	-53.52	RMS	40.90	-46.75	0.44	-95.23	47.12	-40.00	-13.52	Vertical

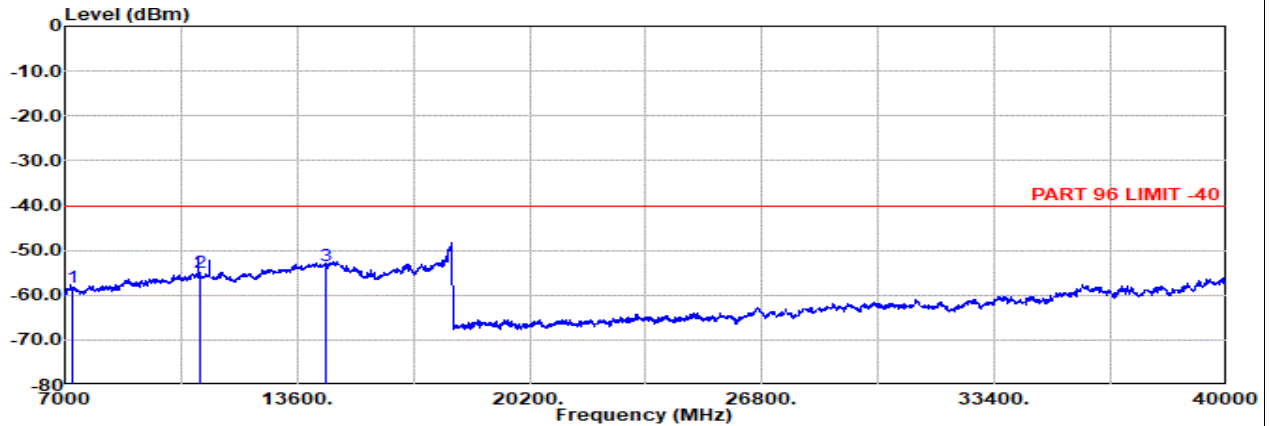


Ant. 1

Part 96 Mode 1

NR SA n48 40M Ch641666 1RB1 BPSK

M

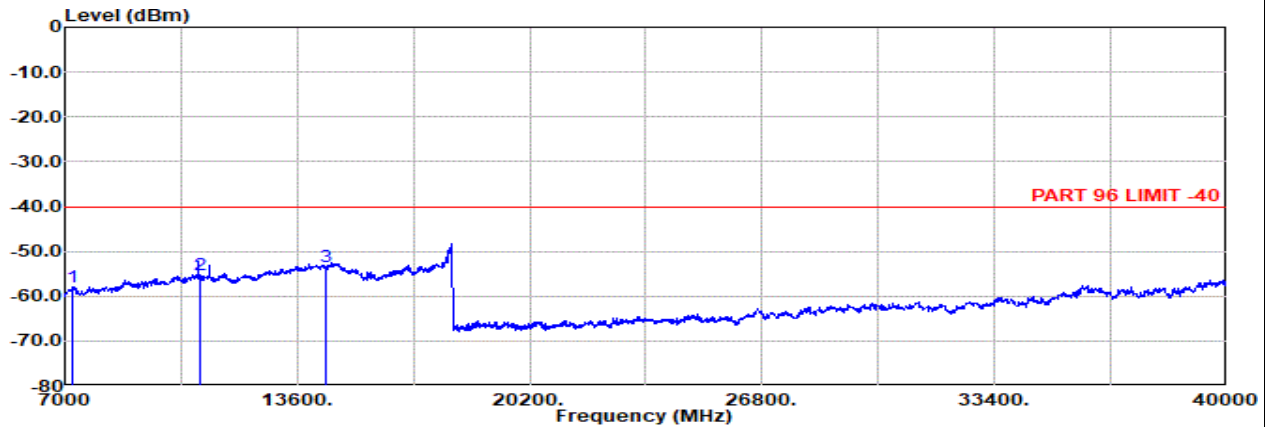


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 40M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7214.00	-58.37	RMS	36.84	-52.23	0.92	-95.23	51.33	-40.00	-18.37	Horizontal
2	10821.00	-54.95	RMS	38.99	-49.40	0.45	-95.23	50.24	-40.00	-14.95	Horizontal
3	14429.00	-53.51	RMS	40.57	-46.71	0.46	-95.23	47.40	-40.00	-13.51	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 40M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7214.00	-58.08	RMS	36.88	-52.21	0.92	-95.23	51.56	-40.00	-18.08	Vertical
2	10821.00	-55.38	RMS	39.03	-49.42	0.45	-95.23	49.79	-40.00	-15.38	Vertical
3	14429.00	-53.37	RMS	40.55	-46.71	0.46	-95.23	47.56	-40.00	-13.37	Vertical

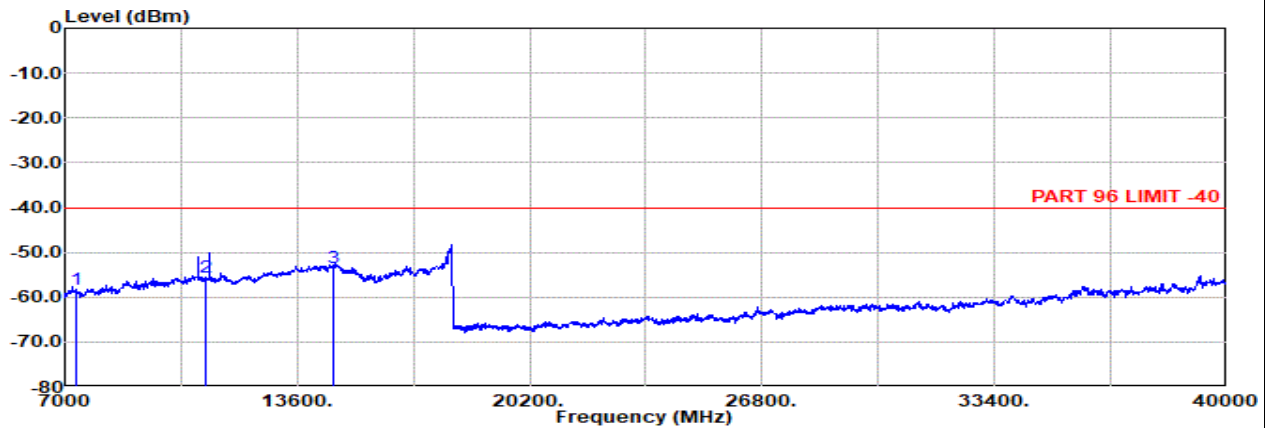


Ant. 1

Part 96 Mode 1

NR SA n48 40M Ch645332 1RB1 BPSK

H

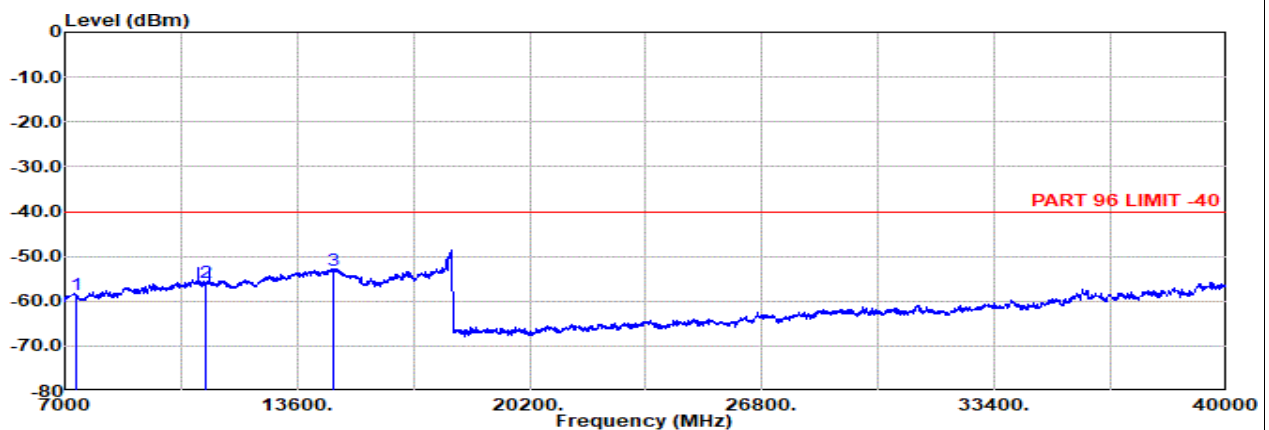


Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n48 40M Ch645332 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7324.00	-58.34	RMS	36.72	-52.08	0.91	-95.23	51.34	-40.00	-18.34	Horizontal
2	10986.00	-55.48	RMS	38.71	-49.00	0.45	-95.23	49.59	-40.00	-15.48	Horizontal
3	14649.00	-53.35	RMS	40.49	-46.63	0.49	-95.23	47.53	-40.00	-13.35	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n48 40M Ch645332 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7324.00	-58.52	RMS	36.85	-52.11	0.91	-95.23	51.06	-40.00	-18.52	Vertical
2	10986.00	-55.83	RMS	38.71	-49.00	0.45	-95.23	49.24	-40.00	-15.83	Vertical
3	14649.00	-53.24	RMS	40.50	-46.64	0.49	-95.23	47.64	-40.00	-13.24	Vertical

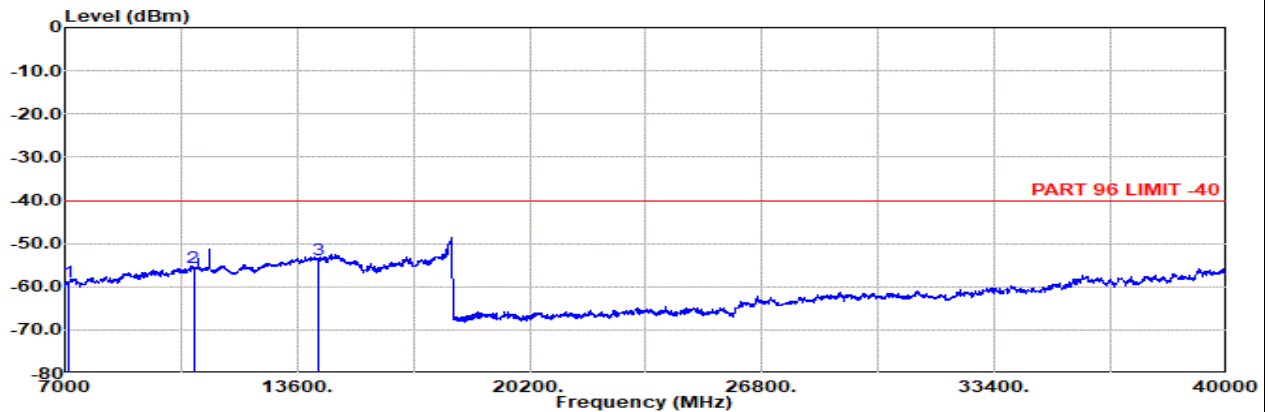


Ant. 1 + Ant. 6

Part 96 Mode 2

NR CA n2+n48 40M + 40M Ch374000 1RB1 BPSK + Ch638000 1RB1 BPSK

L



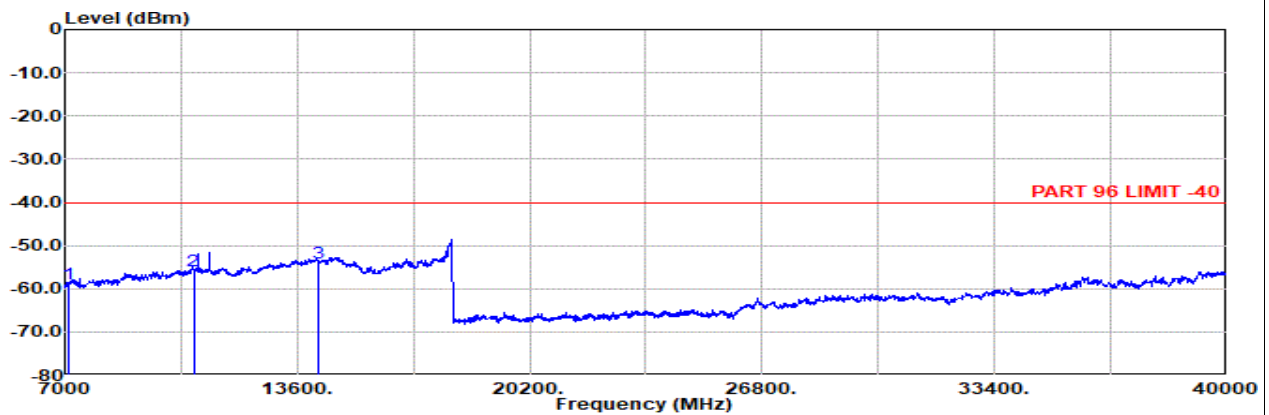
Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n2 40M Ch374000 1RB1 BPSK

: SA n48 40M Ch638000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7099.00	-58.95	RMS		36.29	-52.33	1.13	-95.23	0.00	-40.00	Horizontal
2	10652.00	-55.41	RMS		39.10	-49.82	0.45	-95.23	50.09	-40.00	Horizontal
3	14205.00	-53.88	RMS		40.90	-46.75	0.44	-95.23	46.76	-40.00	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n2 40M Ch374000 1RB1 BPSK

: SA n48 40M Ch638000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7099.00	-58.72	RMS		36.29	-52.33	1.13	-95.23	51.42	-40.00	Vertical
2	10652.00	-55.93	RMS		39.10	-49.82	0.45	-95.23	49.57	-40.00	Vertical
3	14205.00	-53.97	RMS		40.90	-46.75	0.44	-95.23	46.67	-40.00	Vertical

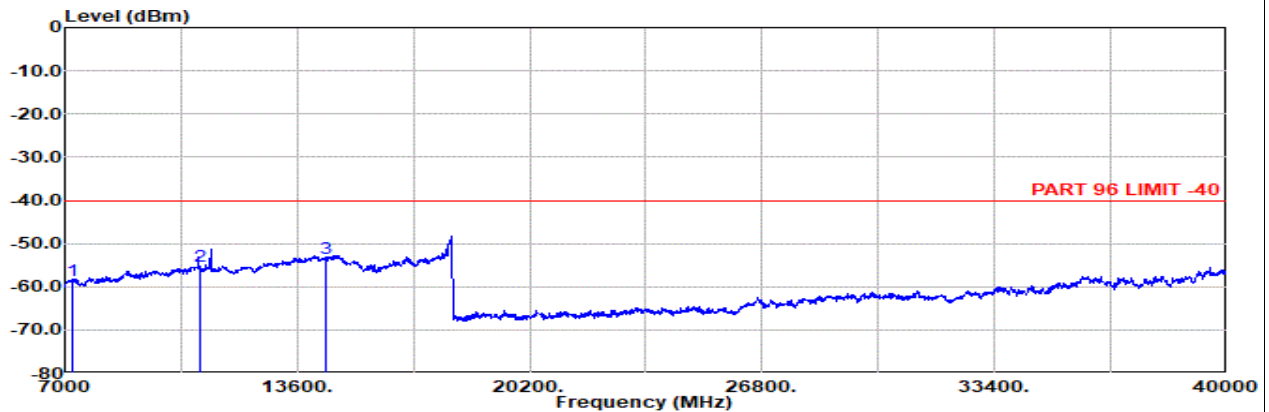


Ant. 1 + Ant. 6

Part 96 Mode 2

NR CA n2+n48 40M + 40M Ch376000 1RB1 BPSK + Ch641666 1RB1 BPSK

M



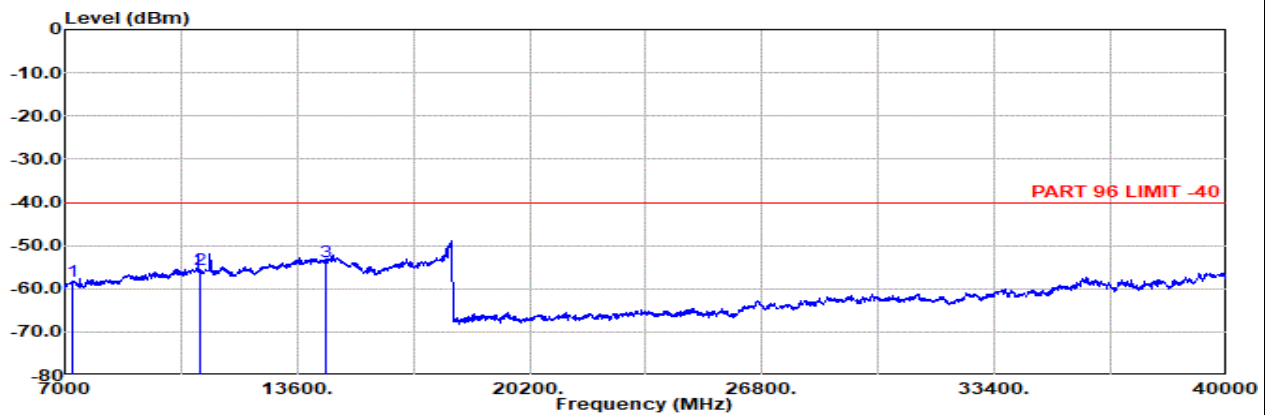
Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n2 40M Ch376000 1RB1 BPSK

: SA n48 40M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7209.00	-58.51	RMS	36.84	-52.23	0.92	-95.23	51.19	-40.00	-18.51	Horizontal
2	10817.00	-55.31	RMS	39.03	-49.42	0.45	-95.23	49.86	-40.00	-15.31	Horizontal
3	14425.00	-53.54	RMS	40.55	-46.71	0.46	-95.23	47.39	-40.00	-13.54	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n2 40M Ch376000 1RB1 BPSK

: SA n48 40M Ch641666 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBm	dB	
1	7209.00	-58.41	RMS	36.84	-52.23	0.92	-95.23	51.29	-40.00	-18.41	Vertical
2	10817.00	-55.50	RMS	39.03	-49.42	0.45	-95.23	49.67	-40.00	-15.50	Vertical
3	14425.00	-53.85	RMS	40.55	-46.71	0.46	-95.23	47.08	-40.00	-13.85	Vertical

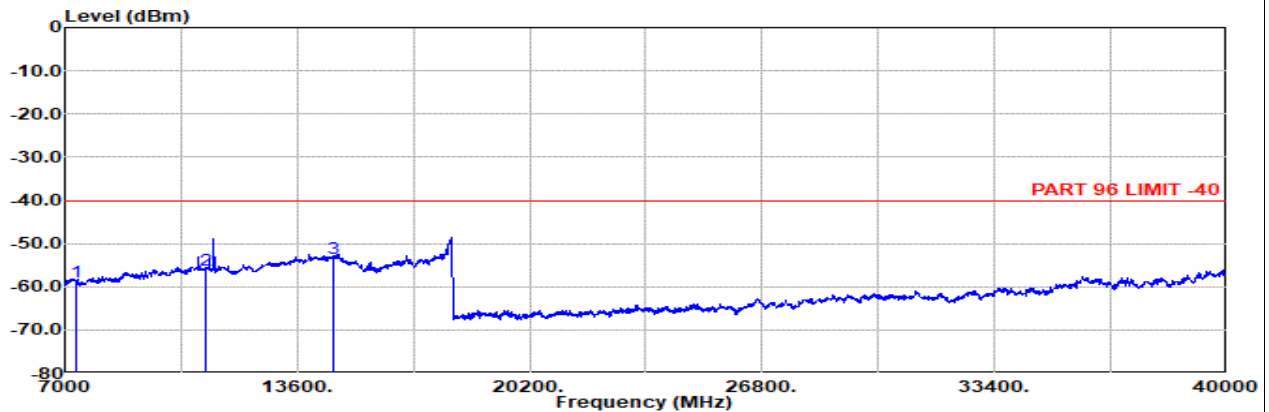


Ant. 1 + Ant. 6

Part 96 Mode 2

NR CA n2+n48 40M + 40M Ch378000 1RB1 BPSK + Ch645332 1RB1 BPSK

H



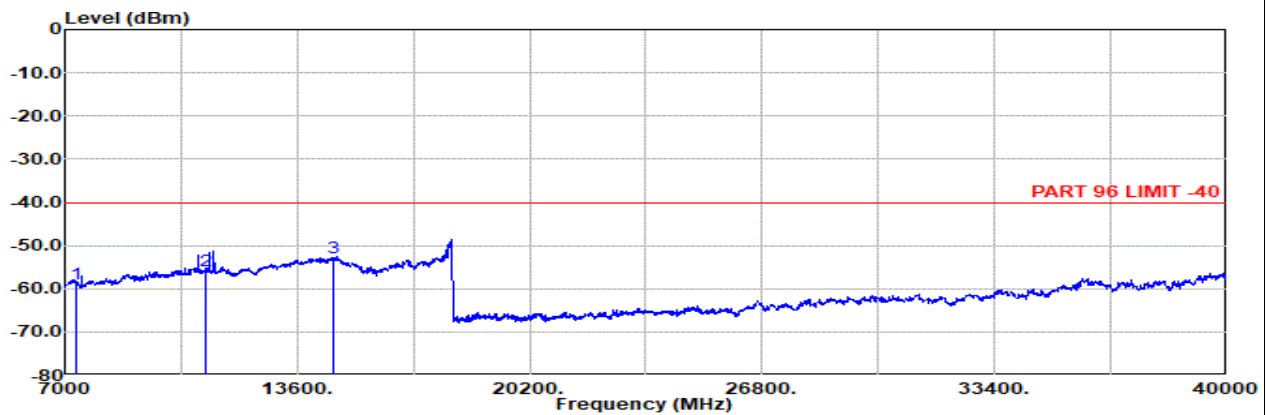
Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Horizontal

: SA n2 40M Ch378000 1RB1 BPSK

: SA n48 40M Ch645332 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7319.00	-58.89	RMS	36.79	-52.10	0.91	-95.23	50.74	-40.00	-18.89	Horizontal
2	10982.00	-56.01	RMS	38.74	-49.02	0.45	-95.23	49.05	-40.00	-16.01	Horizontal
3	14645.00	-53.47	RMS	40.50	-46.63	0.49	-95.23	47.40	-40.00	-13.47	Horizontal



Site : 03CH16-HY

Condition: PART 96 LIMIT -40 1m SHF_00993_231124 Vertical

: SA n2 40M Ch378000 1RB1 BPSK

: SA n48 40M Ch645332 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	7319.00	-58.83	RMS	36.79	-52.10	0.91	-95.23	50.80	-40.00	-18.83	Vertical
2	10982.00	-55.93	RMS	38.74	-49.02	0.45	-95.23	49.13	-40.00	-15.93	Vertical
3	14645.00	-52.90	RMS	40.50	-46.63	0.49	-95.23	47.97	-40.00	-12.90	Vertical

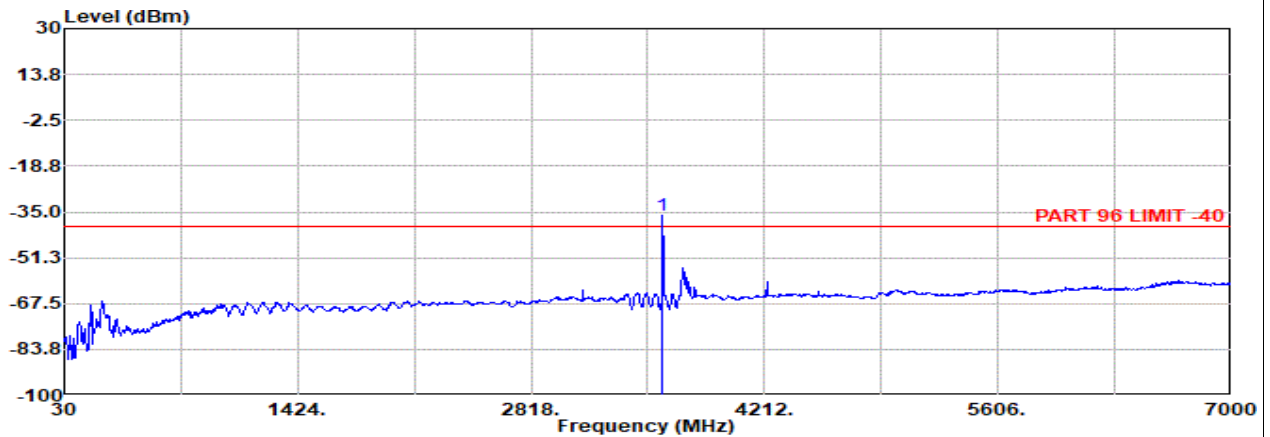


Ant. 1

Part 96 Mode 1

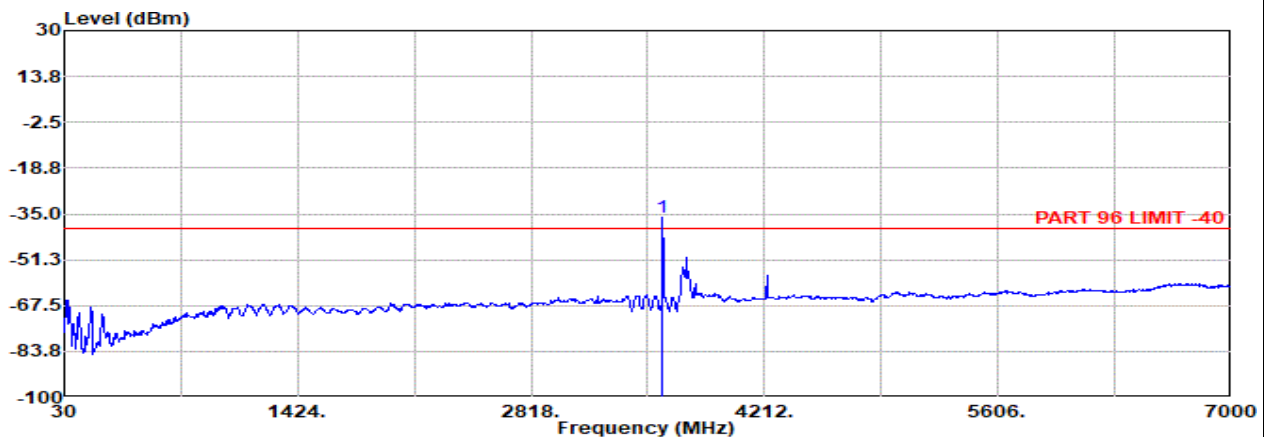
NR SA n48 40M Ch645332 1RB1 BPSK

H



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Horizontal
: SA n48 40M Ch645332 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3604.00	-36.15	RMS	29.51	-57.41	0.57	-95.23	86.41	-40.00	3.85	Horizontal



Site : 03CH16-HY
Condition: PART 96 LIMIT -40 3m 9120D-1522_240328 Vertical
: SA n48 40M Ch645332 1RB1 BPSK
: #1 is fundamental signal which can be ignored.

1	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3604.00	-36.13	RMS	29.51	-57.41	0.57	-95.23	86.43	-40.00	3.87	Vertical

Remark: #1 is fundamental signal which can be ignored.