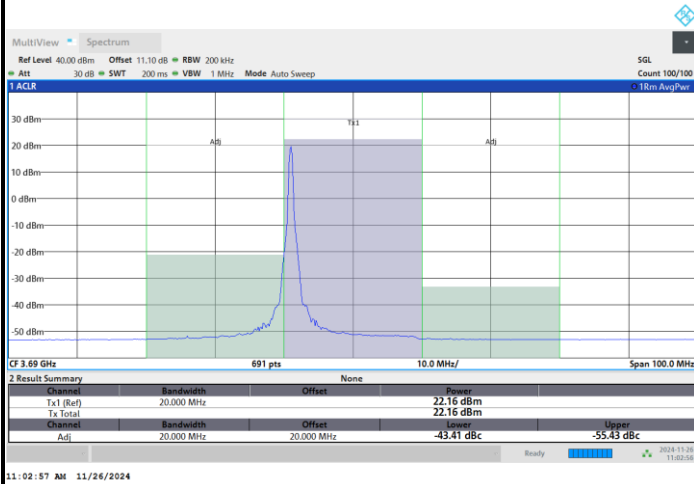




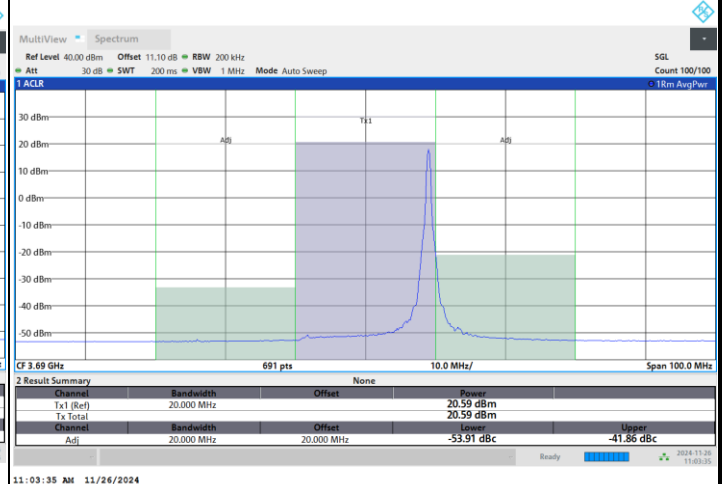
FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Highest Channel

1RB0



1RBmax



Full RB

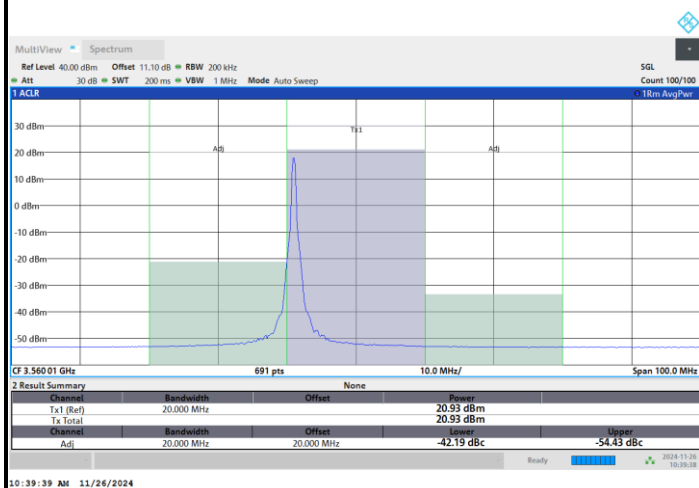




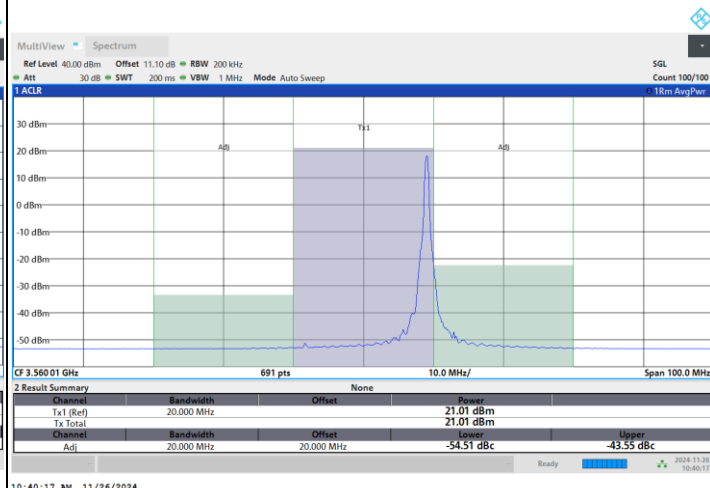
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Lowest Channel

1RB0



1RBmax



Full RB

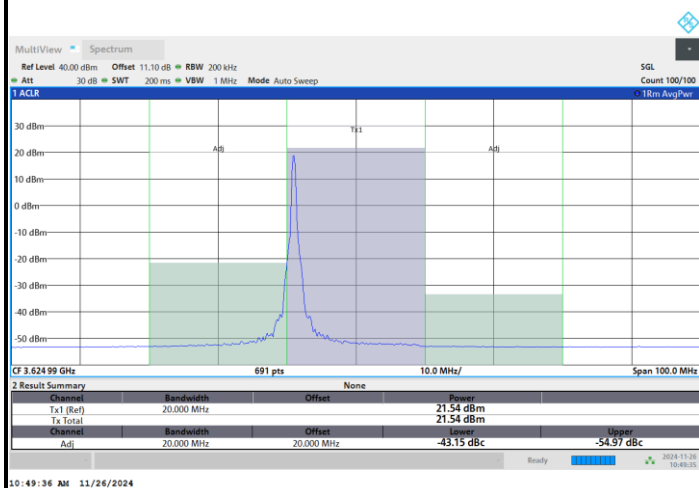




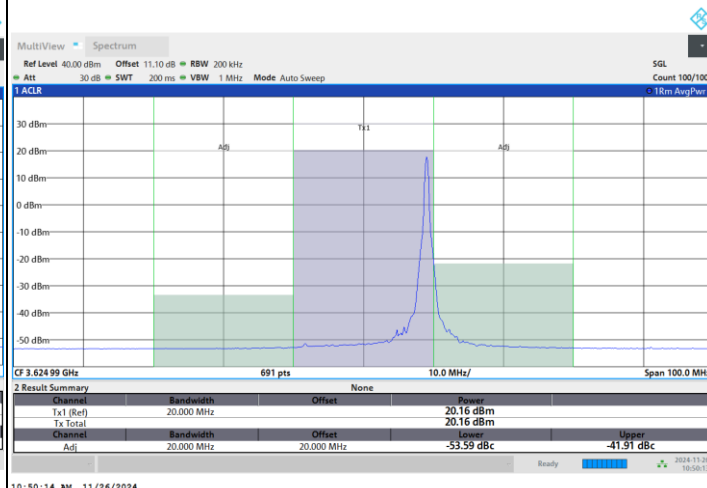
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Middle Channel

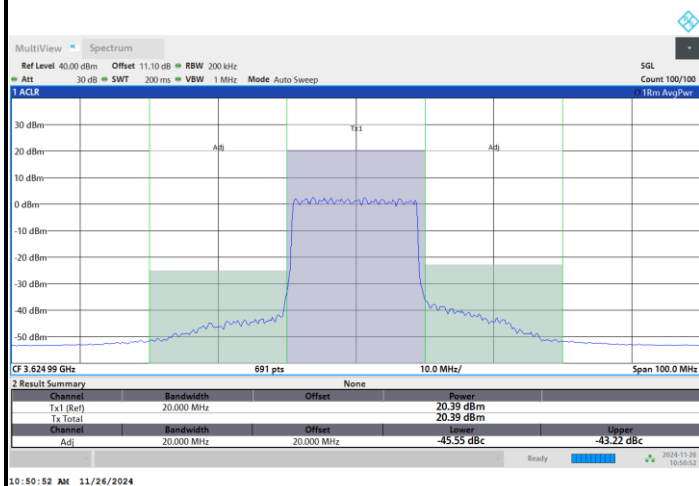
1RB0



1RBmax



Full RB

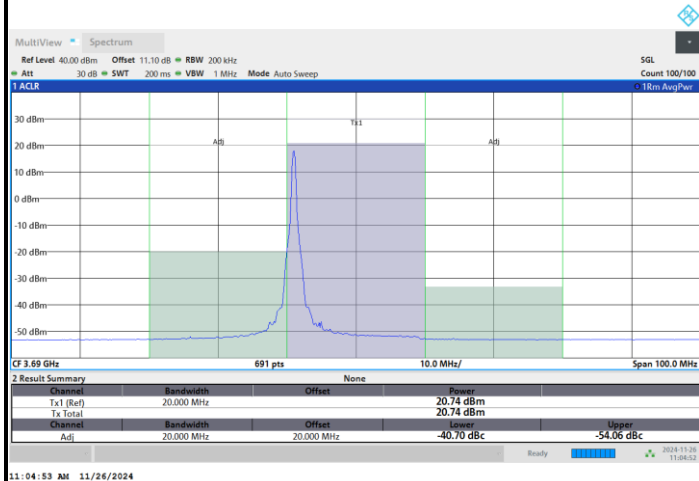




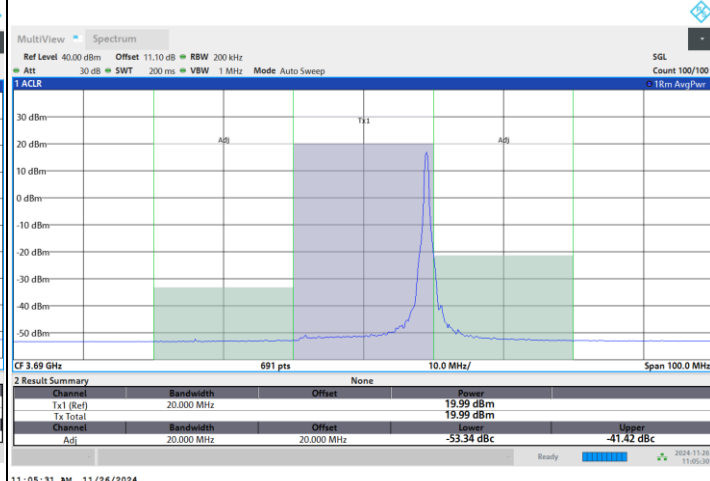
FR1 n48 / 20MHz / DFT-S OFDM / 16QAM

Highest Channel

1RB0



1RBmax



Full RB

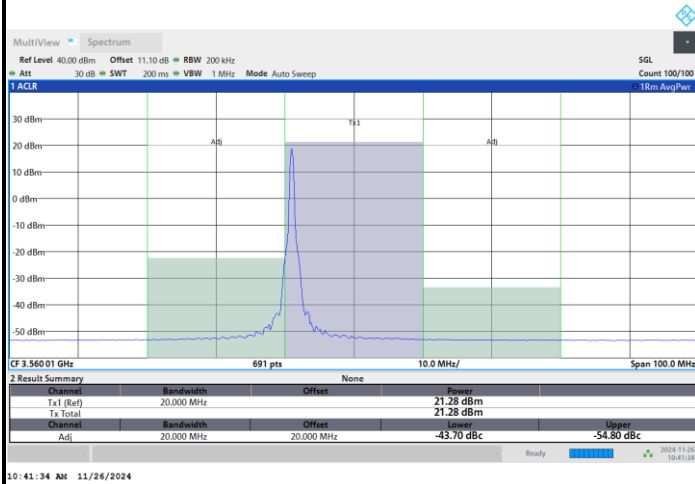




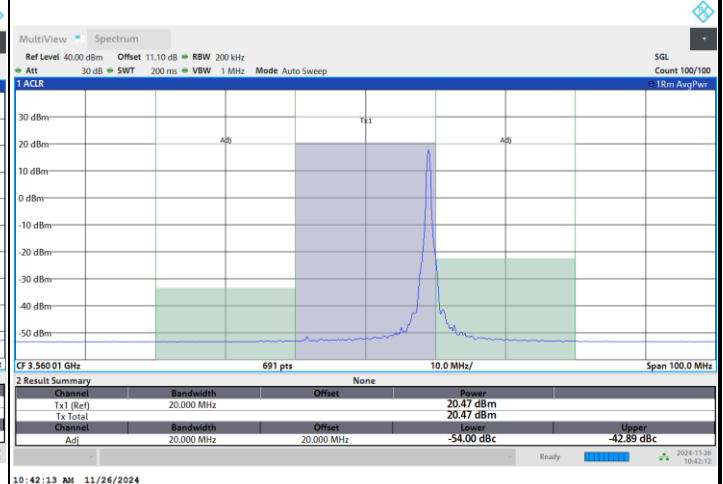
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Lowest Channel

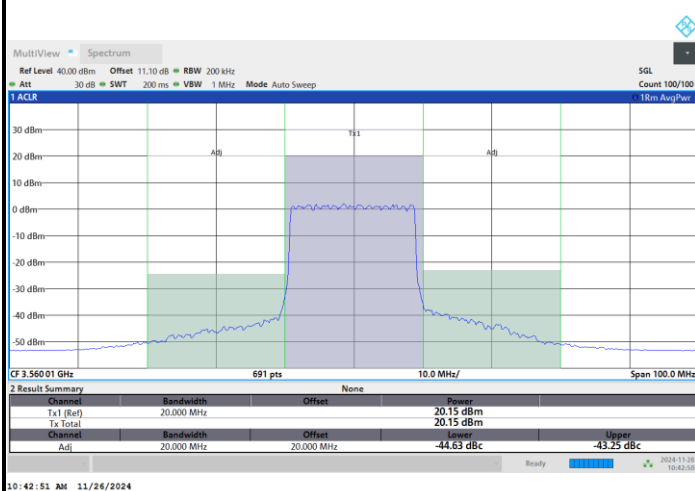
1RB0



1RBmax



Full RB

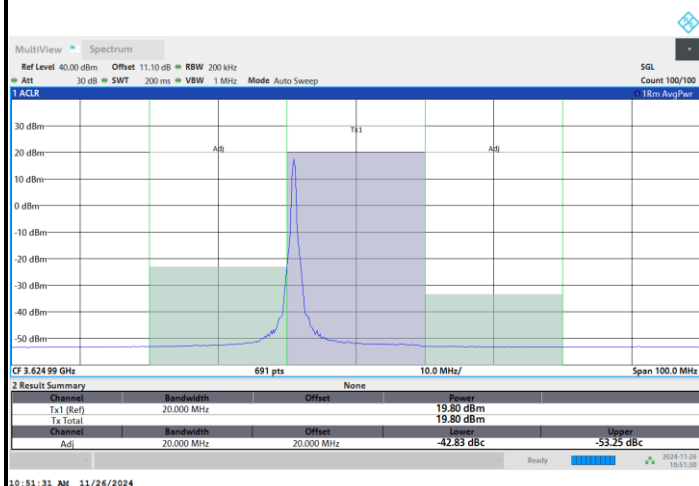




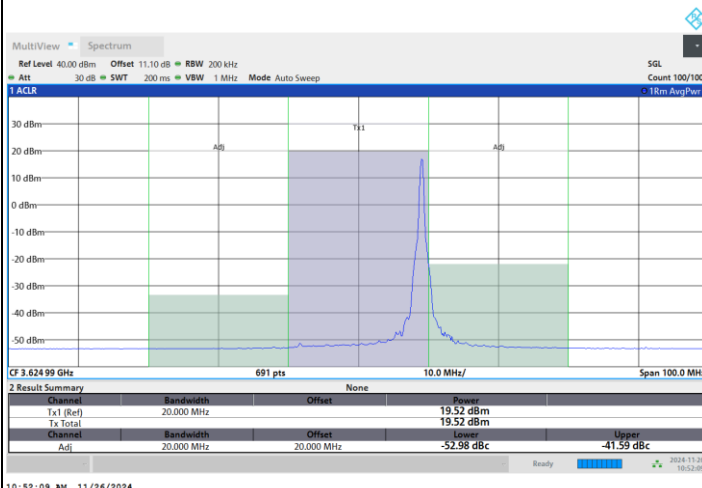
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Middle Channel

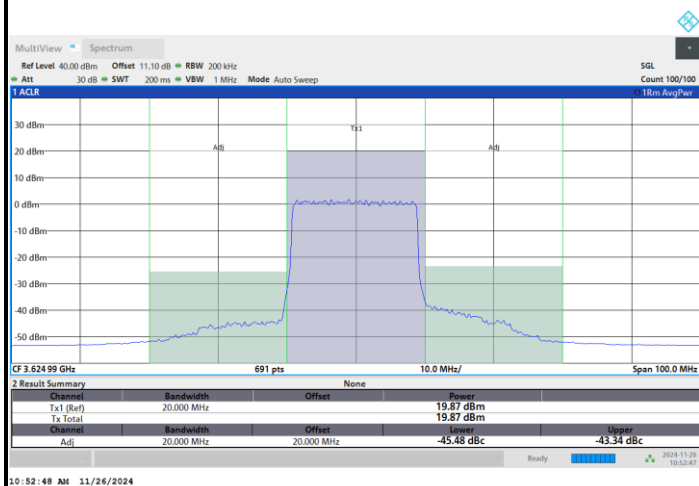
1RB0



1RBmax



Full RB

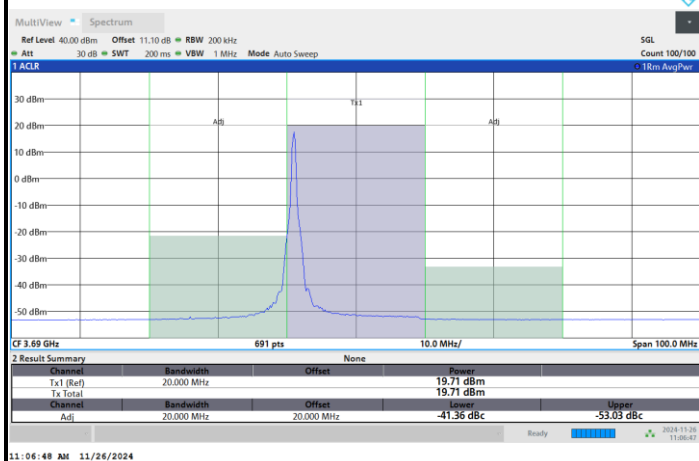




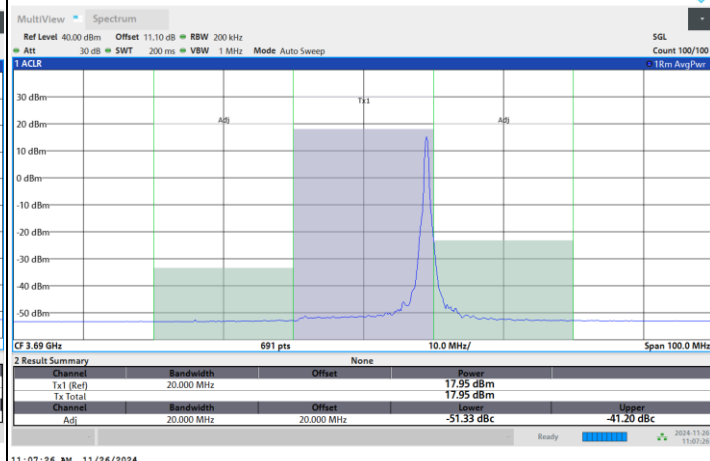
FR1 n48 / 20MHz / DFT-S OFDM / 64QAM

Highest Channel

1RB0



1RBmax



Full RB

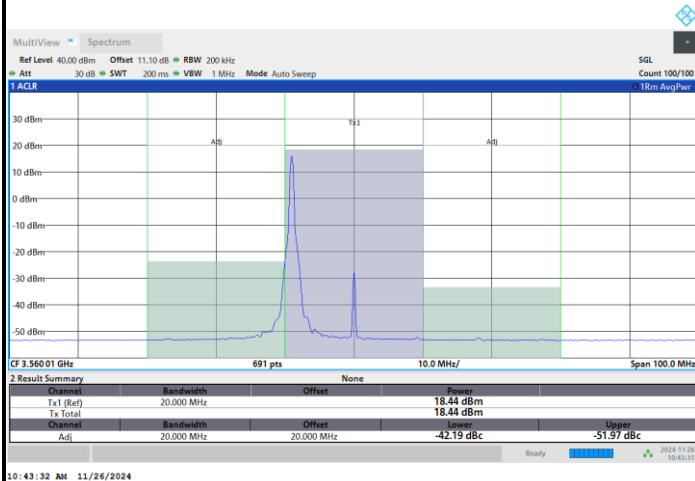




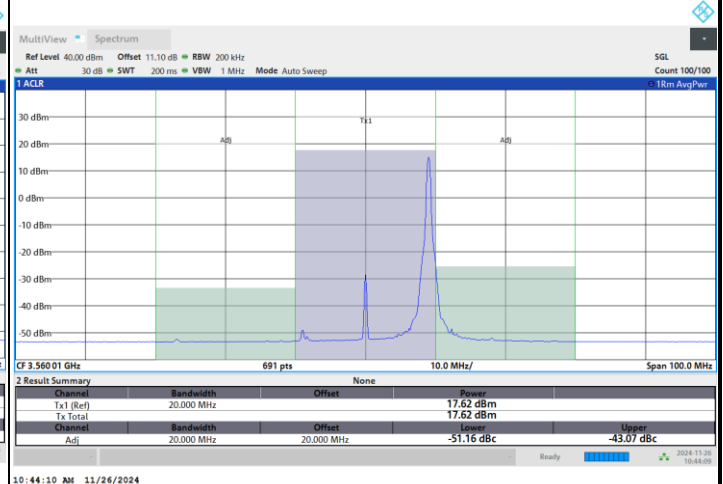
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Lowest Channel

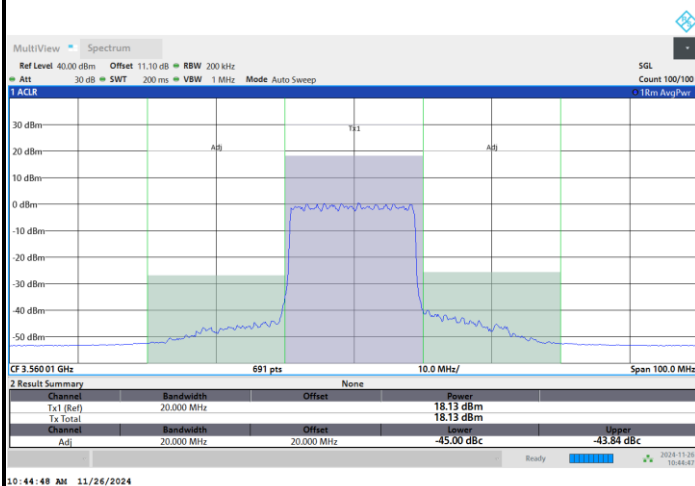
1RB0



1RBmax



Full RB

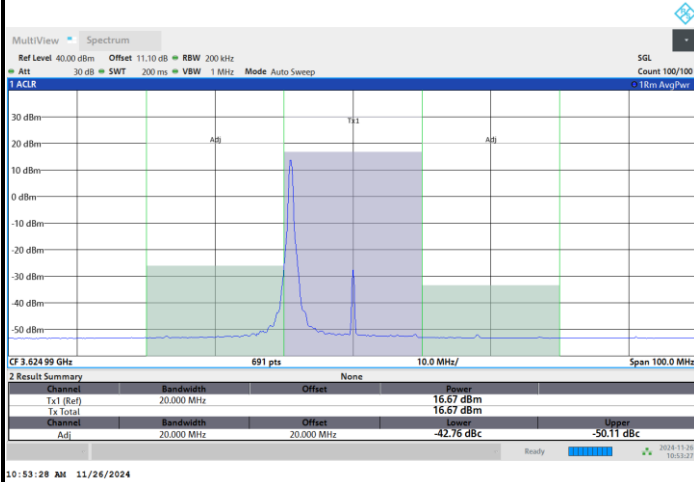




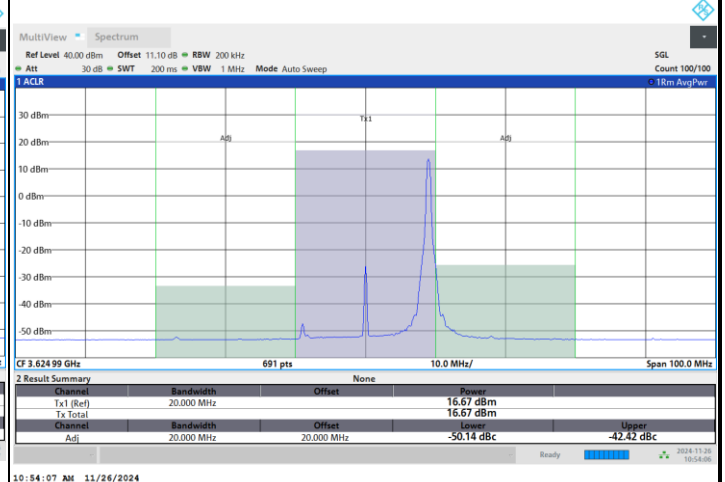
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Middle Channel

1RB0



1RBmax



Full RB

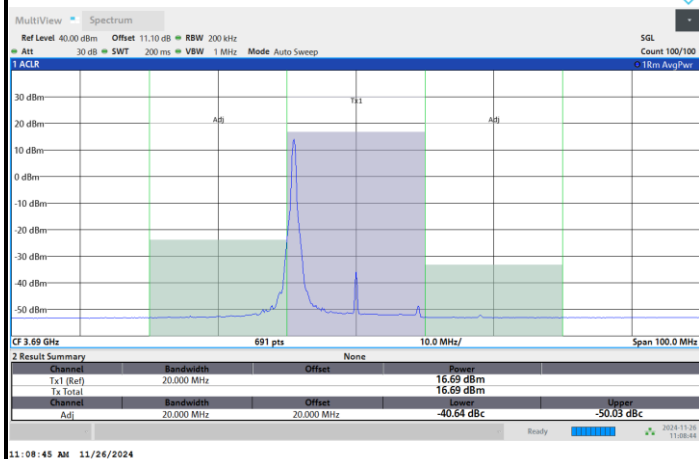




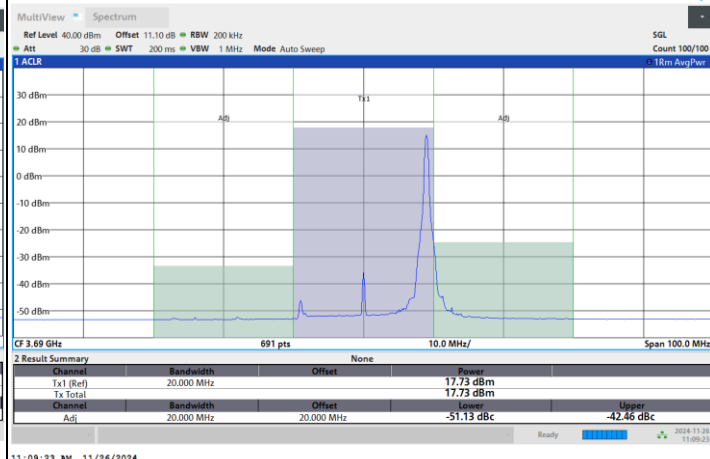
FR1 n48 / 20MHz / DFT-S OFDM / 256QAM

Highest Channel

1RB0



1RBmax



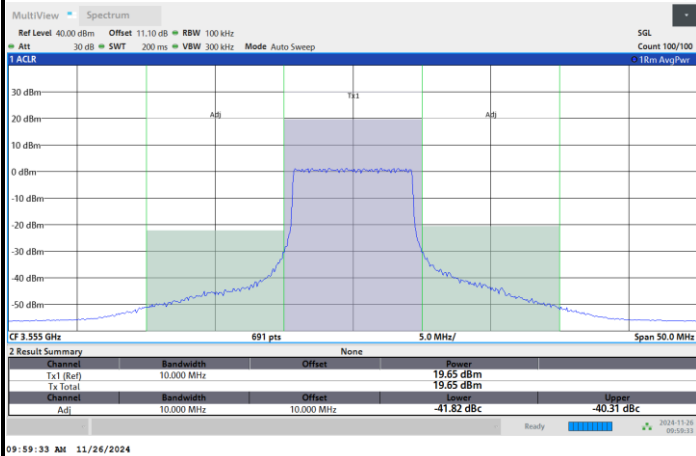
Full RB



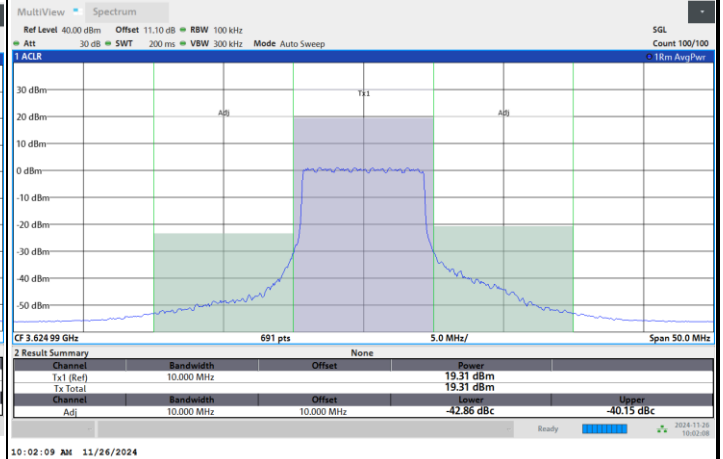


FR1 n48 / 10MHz / CP OFDM / QPSK / Full RB

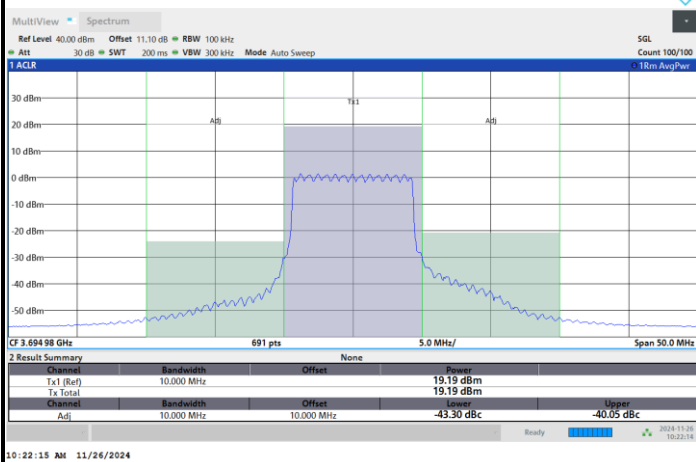
Lowest Channel



Middle Channel



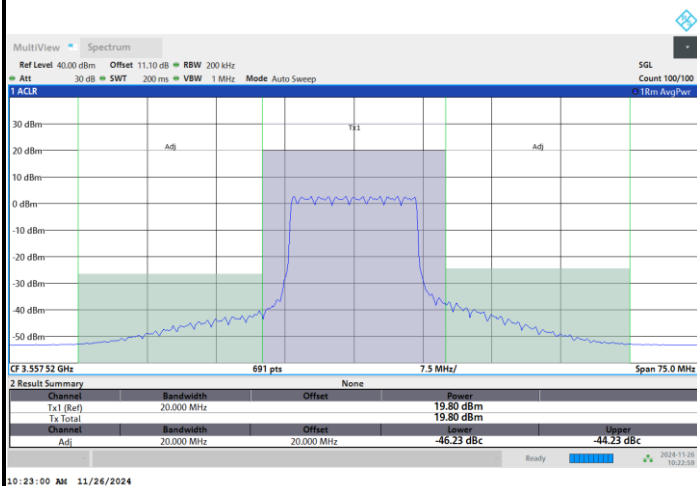
Highest Channel



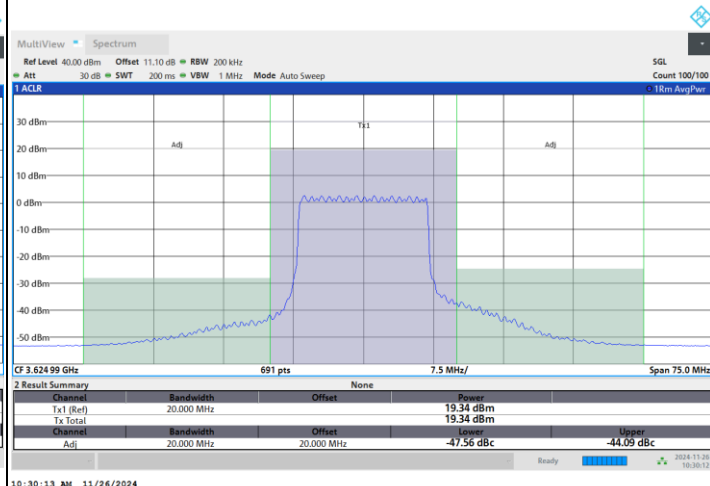


FR1 n48 / 15MHz / CP OFDM / QPSK / Full RB

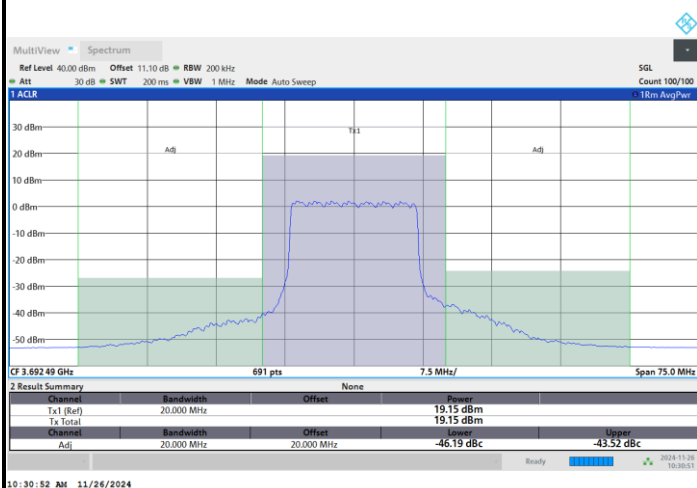
Lowest Channel



Middle Channel



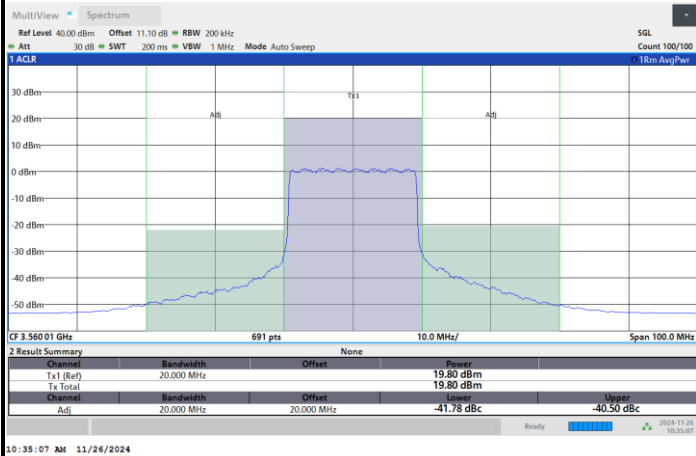
Highest Channel



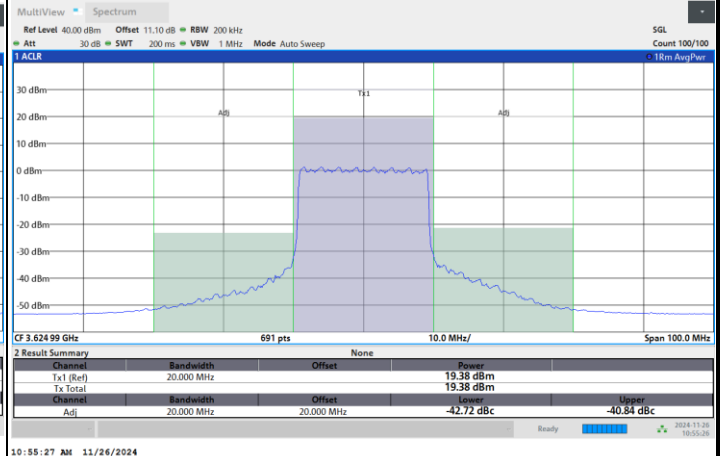


FR1 n48 / 20MHz / CP OFDM / QPSK / Full RB

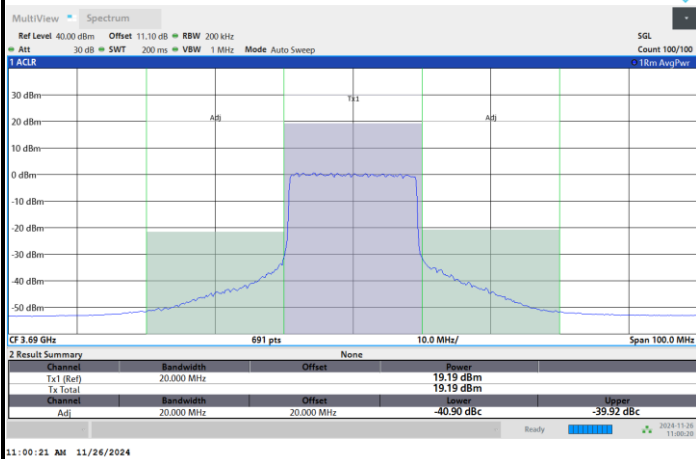
Lowest Channel



Middle Channel



Highest Channel

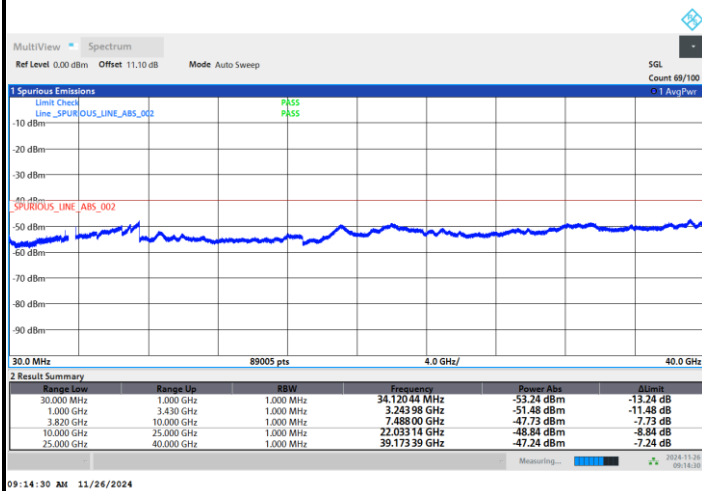




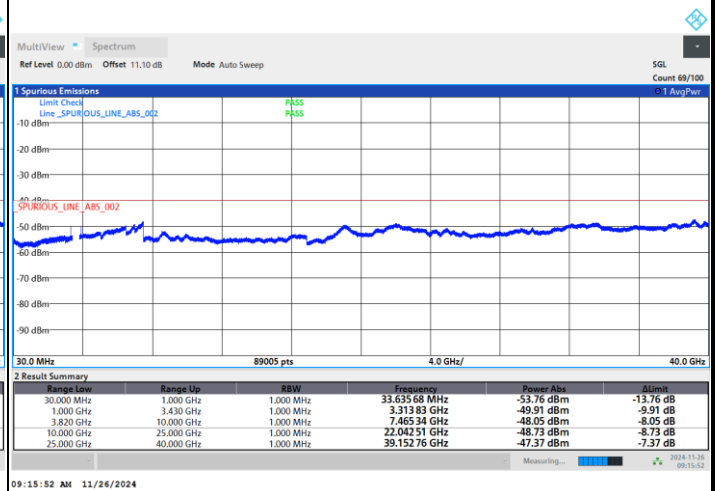
Conducted Spurious Emission

FR1 n48 / 10MHz / DFT-S OFDM / QPSK / 1RB1

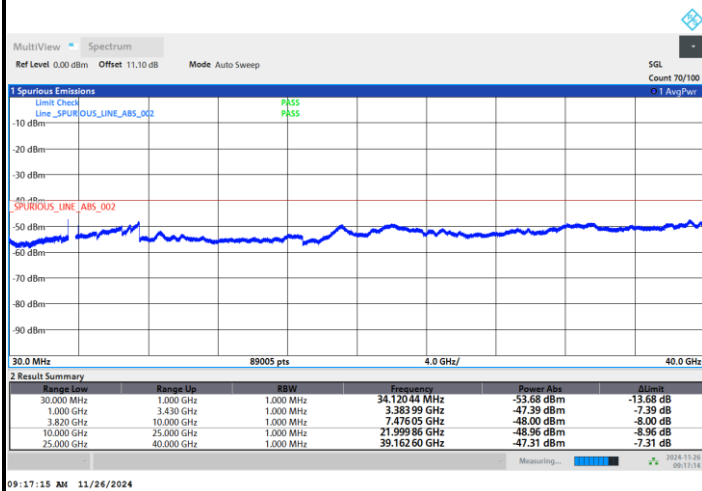
Lowest Channel



Middle Channel



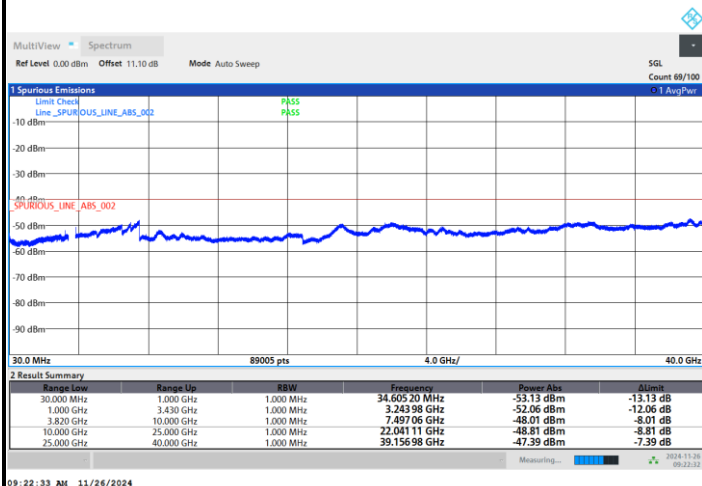
Highest Channel



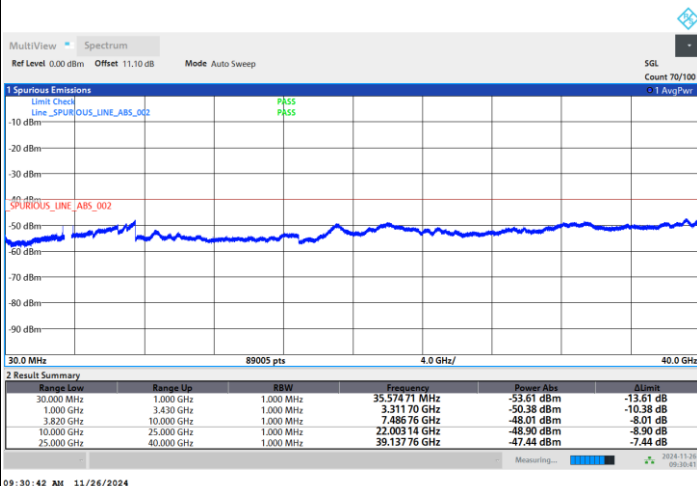


FR1 n48 / 15MHz / DFT-S OFDM / QPSK / 1RB1

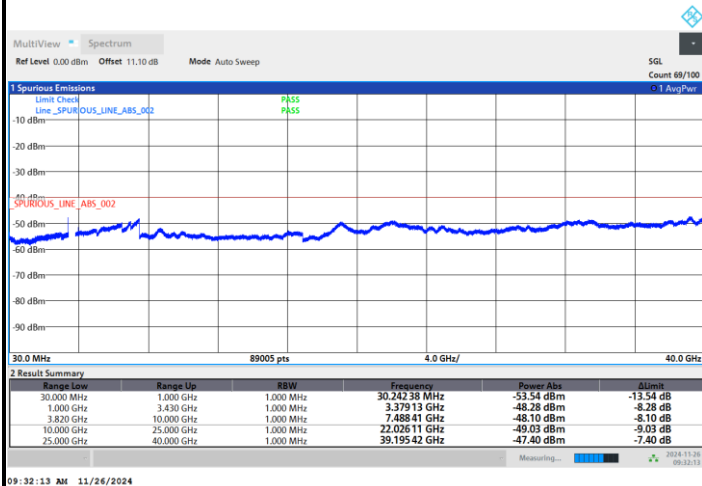
Lowest Channel



Middle Channel



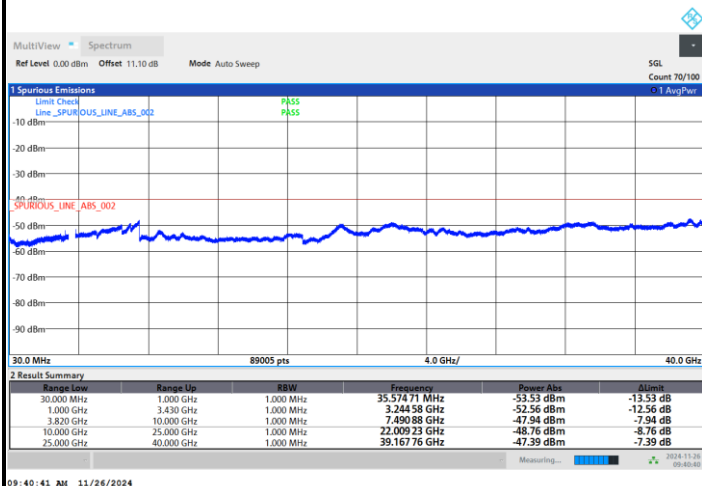
Highest Channel



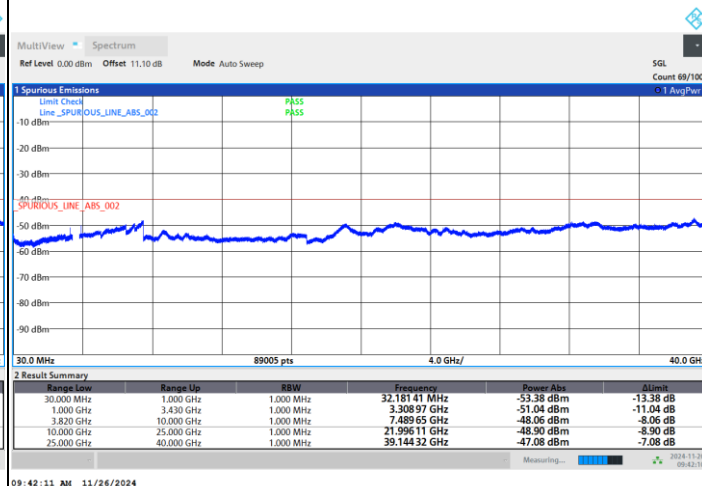


FR1 n48 / 20MHz / DFT-S OFDM / QPSK / 1RB1

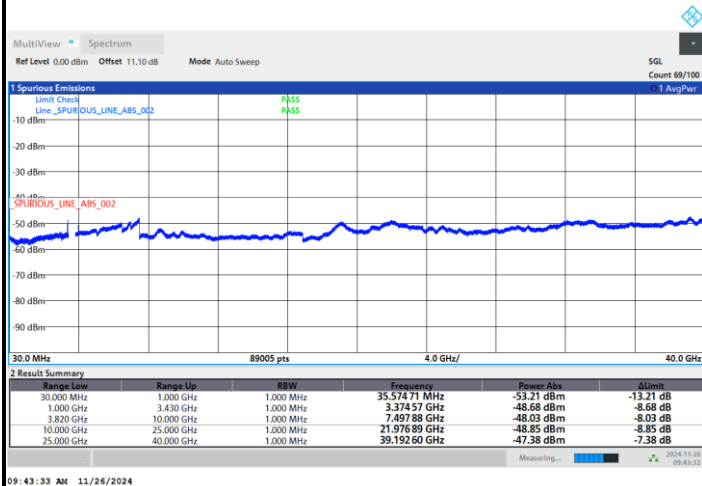
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n48 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0143	PASS
40	Normal Voltage	0.0110	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0191	
0	Normal Voltage	0.0057	
-10	Normal Voltage	0.0157	
-20	Normal Voltage	0.0107	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0054	
20	Minimum Voltage	0.0028	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 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)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
3	Part 96	NR SA n48	H	14725	-49.30	RMS	41.35	-22.54	0.74	-95.23	26.38	-40.00	-9.30	H	Ant. 1
4	Part 96	NR SA n48	M	7233	-48.22	RMS	36.57	-20.81	1.00	-95.23	30.25	-40.00	-8.22	V	Ant. 4

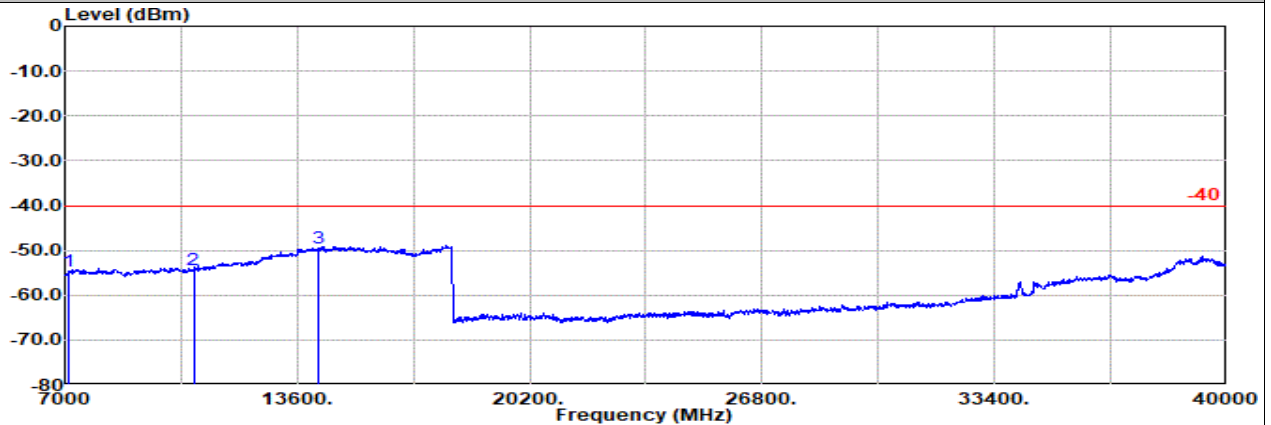


Ant. 1

Part 96 Mode 3

NR SA n48 20M Ch637334 1RB1 BPSK

L

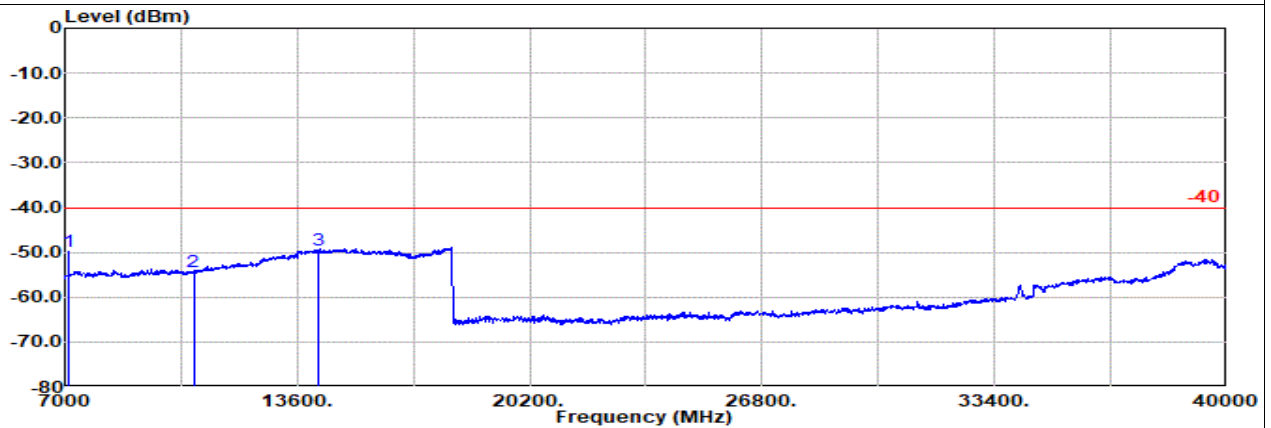


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: SA n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	7103.00	-54.79	RMS	36.31	-20.88	1.00	-95.23	24.01	-40.00	-14.79	Horizontal
2	10654.00	-54.48	RMS	37.50	-21.43	0.89	-95.23	23.79	-40.00	-14.48	Horizontal
3	14205.00	-49.64	RMS	41.20	-21.96	0.65	-95.23	25.70	-40.00	-9.64	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: SA n48 20M Ch637334 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm		
1	7103.00	-49.86	RMS	36.31	-20.88	1.00	-95.23	28.94	-40.00	-9.86	Vertical
2	10654.00	-54.20	RMS	37.50	-21.43	0.89	-95.23	24.07	-40.00	-14.20	Vertical
3	14205.00	-49.52	RMS	41.20	-21.96	0.65	-95.23	25.82	-40.00	-9.52	Vertical

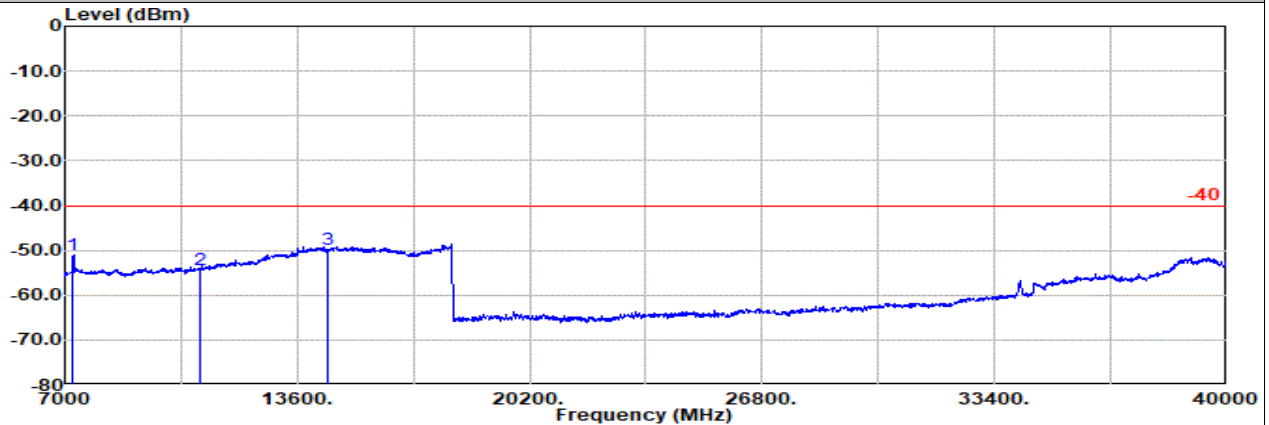


Ant. 1

Part 96 Mode 3

NR SA n48 20M Ch641666 1RB1 BPSK

M

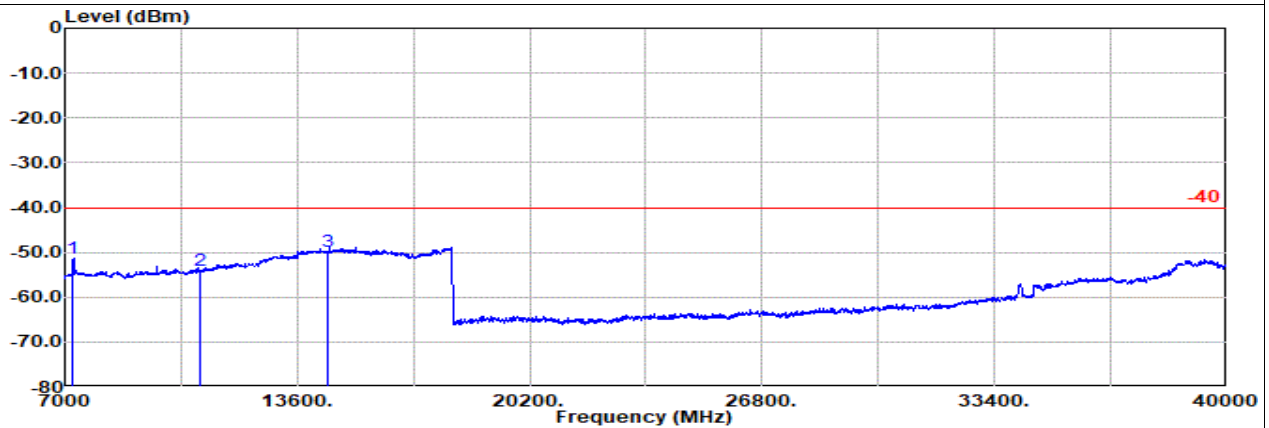


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm	dB	
1	7233.00	-51.00	RMS	36.57	-20.81	1.00	-95.23	27.47	-40.00	-11.00	Horizontal
2	10849.00	-54.23	RMS	37.50	-21.41	0.90	-95.23	24.01	-40.00	-14.23	Horizontal
3	14465.00	-49.83	RMS	41.23	-22.55	0.70	-95.23	26.02	-40.00	-9.83	Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBuV	dBm	dB	
1	7233.00	-51.17	RMS	36.57	-20.81	1.00	-95.23	27.30	-40.00	-11.17	Vertical
2	10849.00	-54.06	RMS	37.50	-21.41	0.90	-95.23	24.18	-40.00	-14.06	Vertical
3	14465.00	-49.76	RMS	41.23	-22.55	0.70	-95.23	26.09	-40.00	-9.76	Vertical

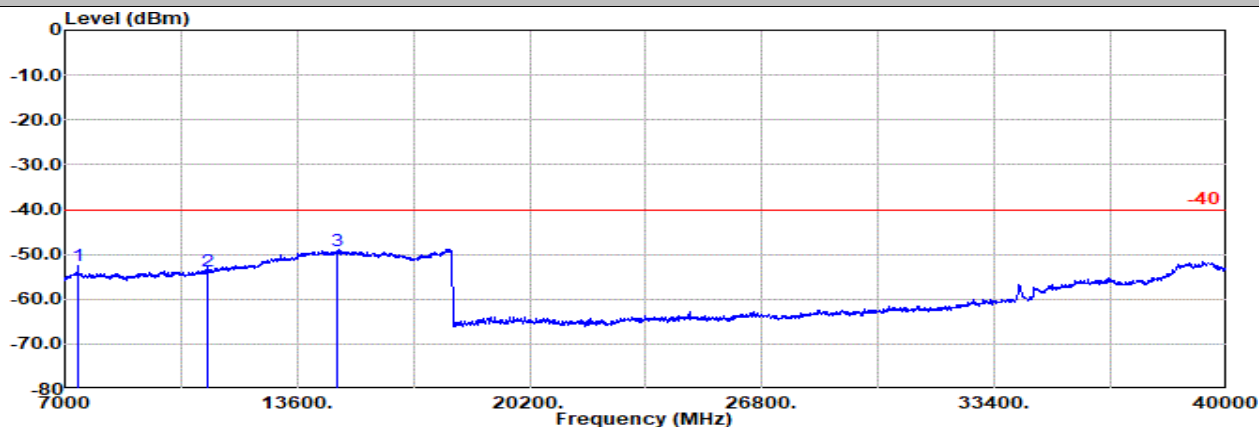


Ant. 1

Part 96 Mode 3

NR SA n48 20M Ch646000 1RB1 BPSK

H

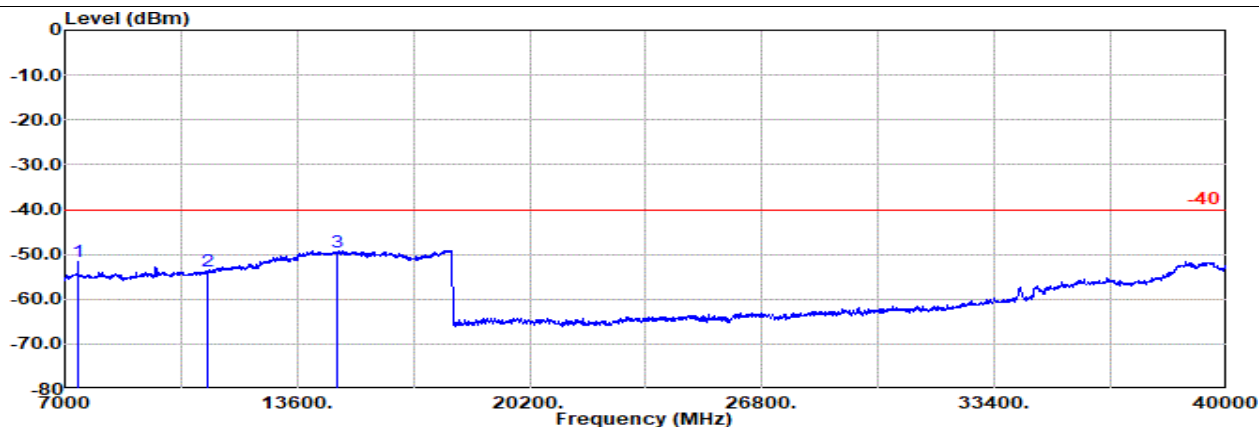


Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Horizontal

: SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dBuV	dBm	dB	
1	7363.00	-52.53	RMS	36.80	-20.74	1.06	-95.23	25.58	-40.00	-12.53 Horizontal
2	11044.00	-53.81	RMS	37.79	-21.41	0.91	-95.23	24.13	-40.00	-13.81 Horizontal
3	14725.00	-49.30	RMS	41.35	-22.54	0.74	-95.23	26.38	-40.00	-9.30 Horizontal



Site : 03CH21-HY

Condition: -40 1m BBHA9170_1230_241025 Vertical

: SA n48 20M Ch646000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1					
				dB/m	dB	dB	dBuV	dBm	dB	
1	7363.00	-51.49	RMS	36.80	-20.74	1.06	-95.23	26.62	-40.00	-11.49 Vertical
2	11044.00	-53.75	RMS	37.79	-21.41	0.91	-95.23	24.19	-40.00	-13.75 Vertical
3	14725.00	-49.39	RMS	41.35	-22.54	0.74	-95.23	26.29	-40.00	-9.39 Vertical

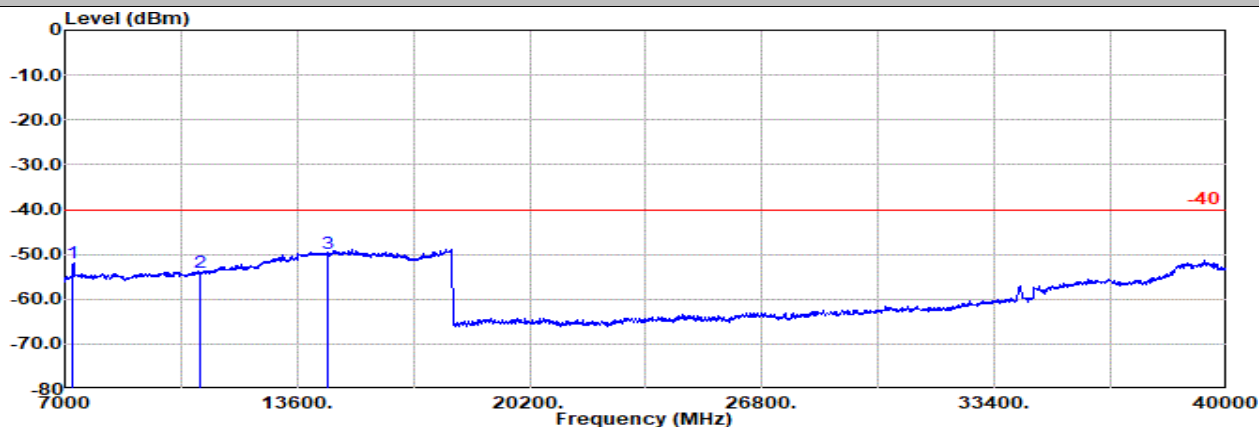


Ant. 4

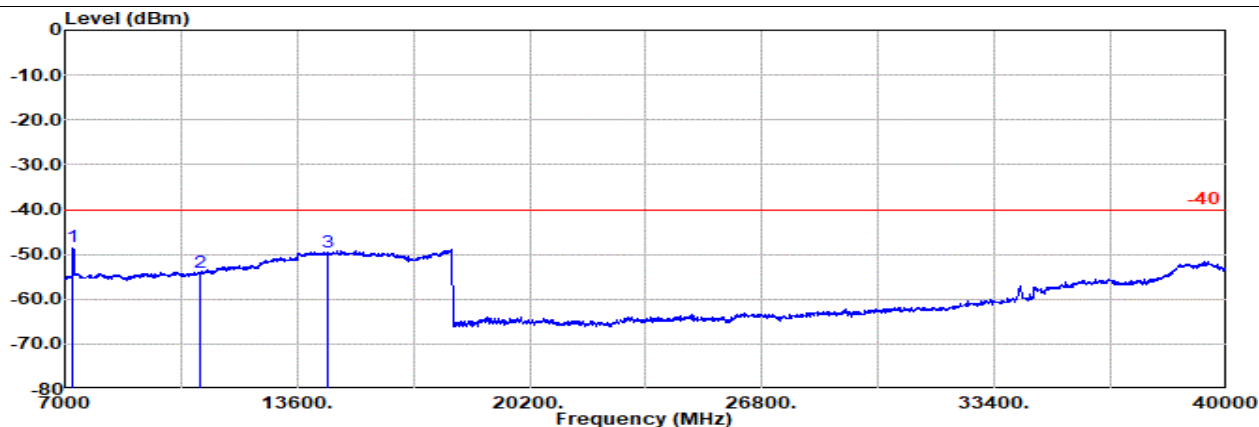
Part 96 Mode 4

NR SA n48 20M Ch641666 1RB1 BPSK

M



	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-51.93	RMS	36.57	-20.81	1.00	-95.23	26.54	-40.00	-11.93	Horizontal
2	10849.00	-54.10	RMS	37.50	-21.41	0.90	-95.23	24.14	-40.00	-14.10	Horizontal
3	14465.00	-49.74	RMS	41.23	-22.55	0.70	-95.23	26.11	-40.00	-9.74	Horizontal



	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	7233.00	-48.22	RMS	36.57	-20.81	1.00	-95.23	30.25	-40.00	-8.22	Vertical
2	10849.00	-54.13	RMS	37.50	-21.41	0.90	-95.23	24.11	-40.00	-14.13	Vertical
3	14465.00	-49.59	RMS	41.23	-22.55	0.70	-95.23	26.26	-40.00	-9.59	Vertical

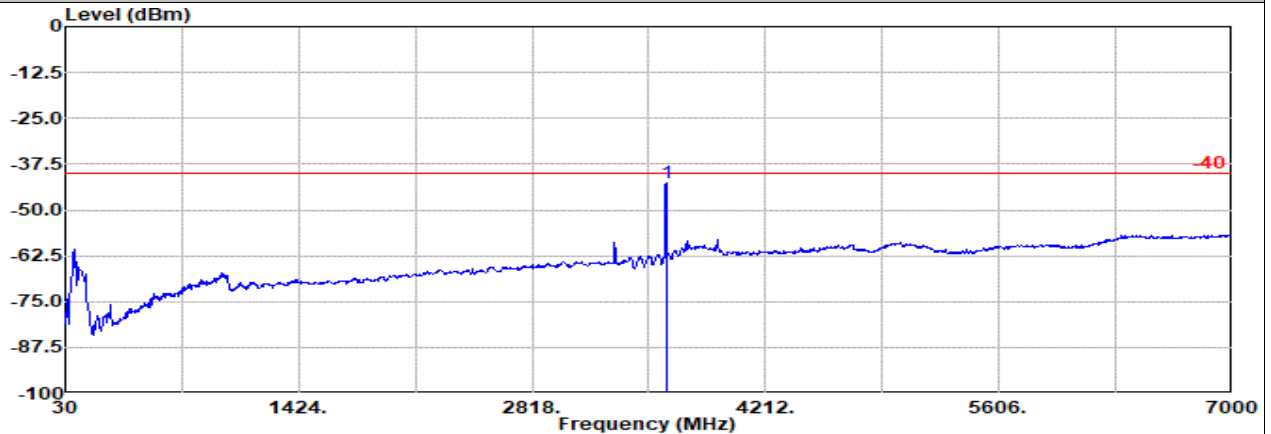


Ant. 4

Part 96 Mode 4

NR SA n48 20M Ch641666 1RB1 BPSK

M



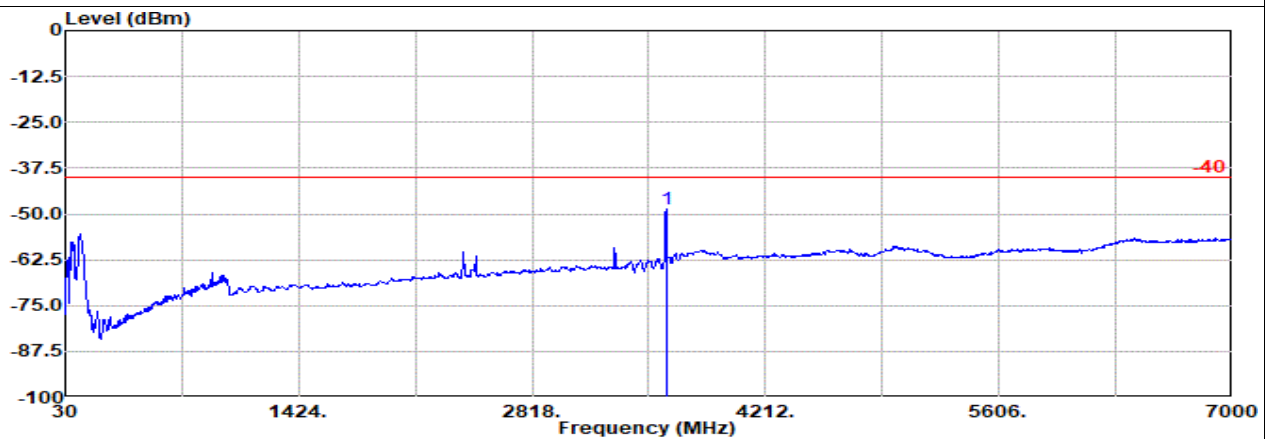
Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Horizontal

: SA n48 20M Ch641666 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1			g			
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3622.00	-42.54	RMS	29.23	-22.34	0.55	-95.23	45.25	-40.00	-2.54	Horizontal



Site : 03CH21-HY

Condition: -40 3m DRH18-E_LE2C03A18EN_240711 Vertical

: SA n48 20M Ch641666 1RB1 BPSK

: #1 is fundamental signal which can be ignored.

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	l						
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	3622.00	-48.59	RMS	29.23	-22.34	0.55	-95.23	39.20	-40.00	-8.59	Vertical

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