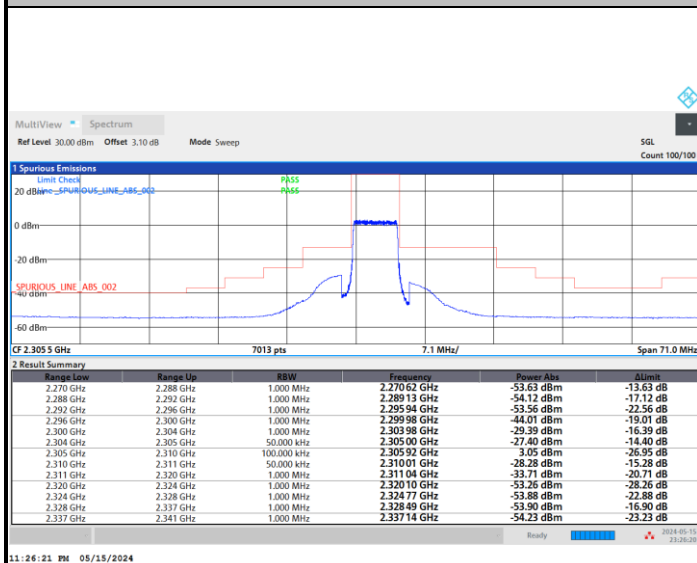
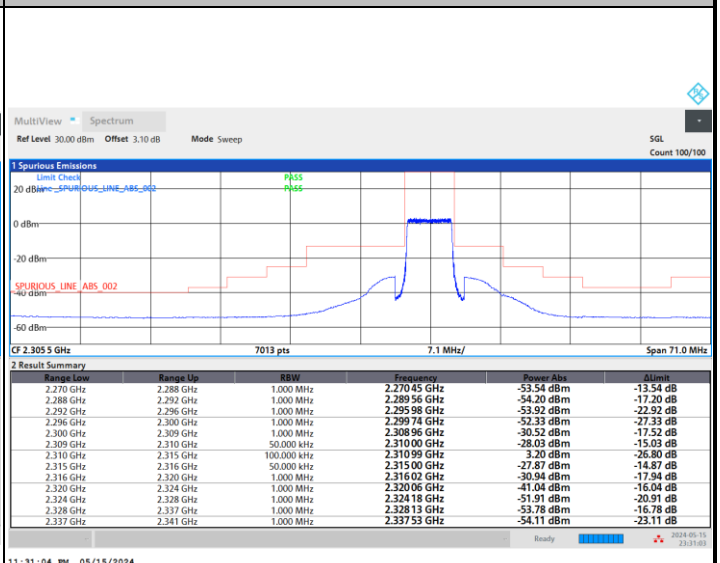




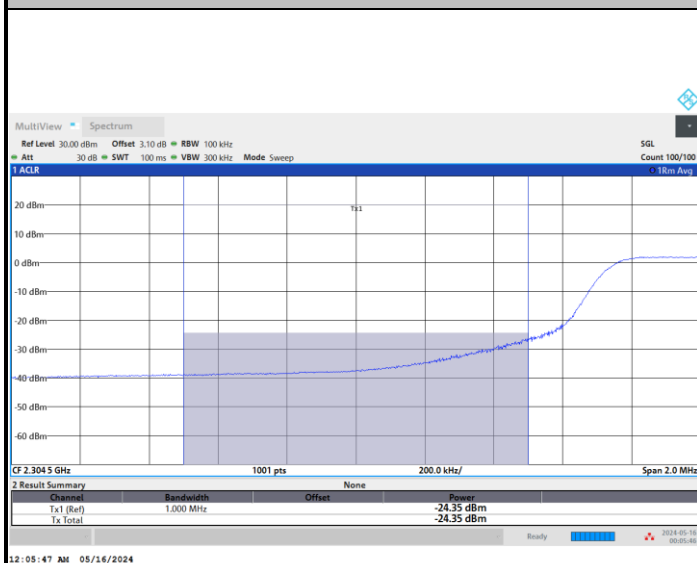
Lowest Band Edge / Full RB



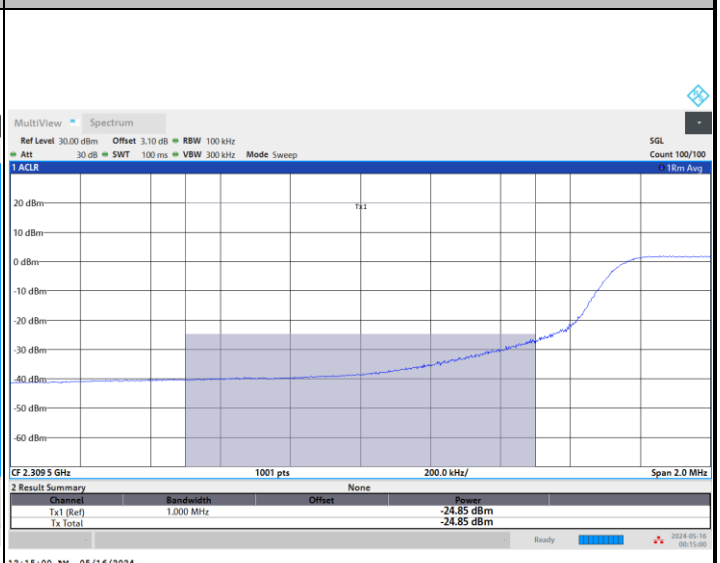
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



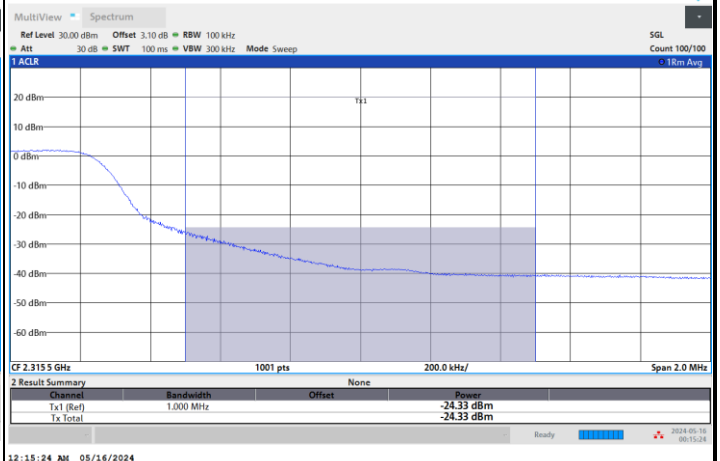
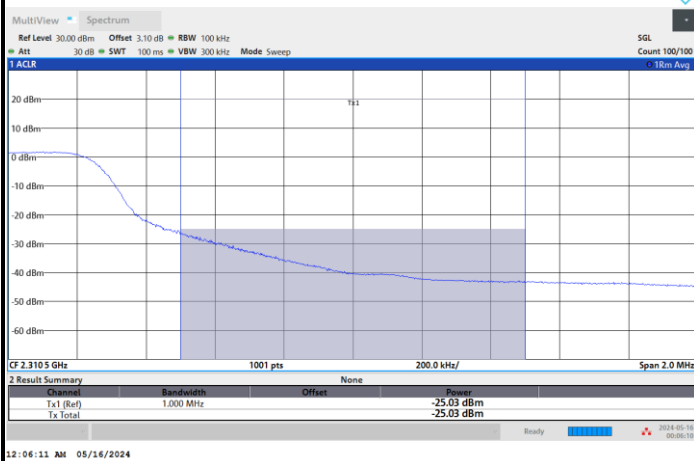
Highest Band Edge / Full RB / Lower zoom in





Lowest Band Edge / Full RB / Upper zoom in

Highest Band Edge / Full RB / Upper zoom in

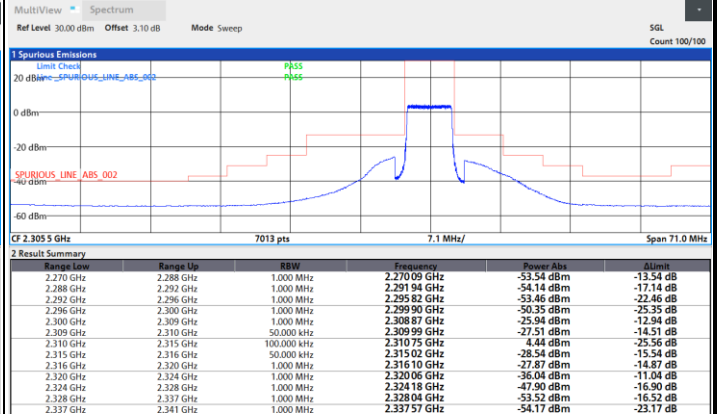
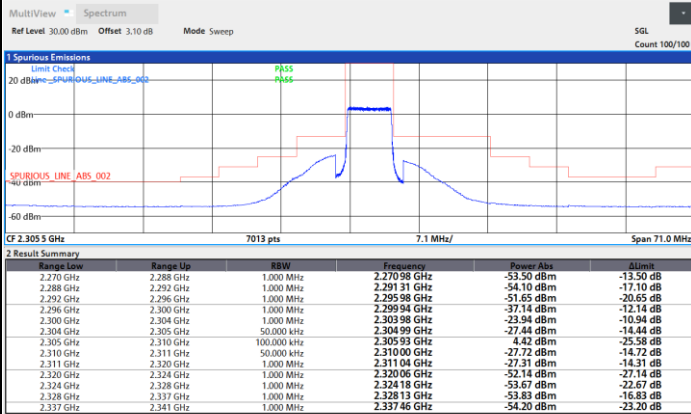




FR1 n30 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

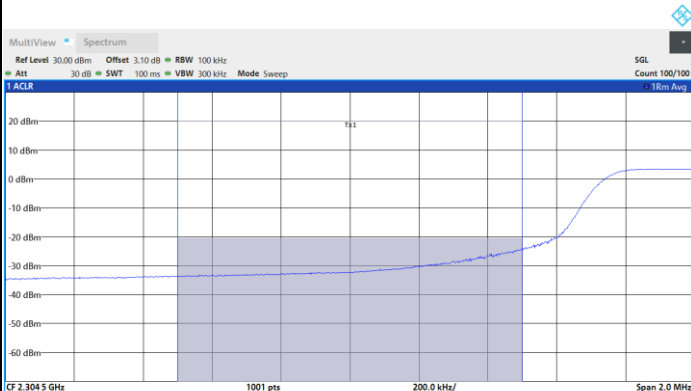


11:27:10 PM 05/15/2024

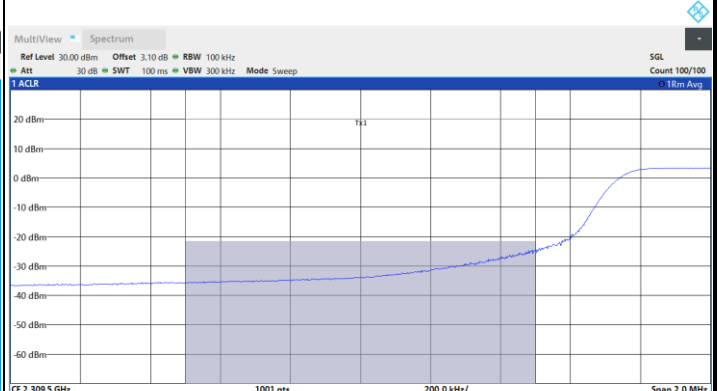
11:27:33 PM 05/15/2024

Lowest Band Edge / Full RB / Lower zoom in

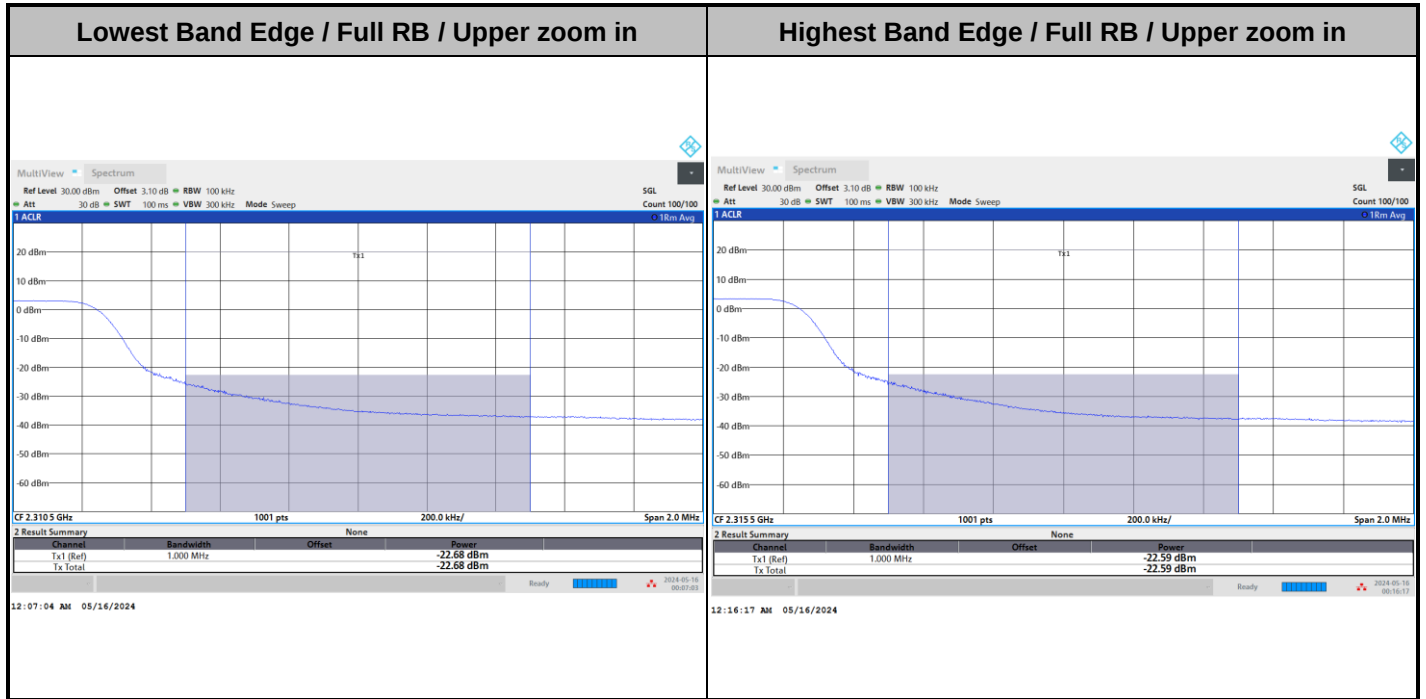
Highest Band Edge / Full RB / Lower zoom in



12:06:39 AM 05/16/2024



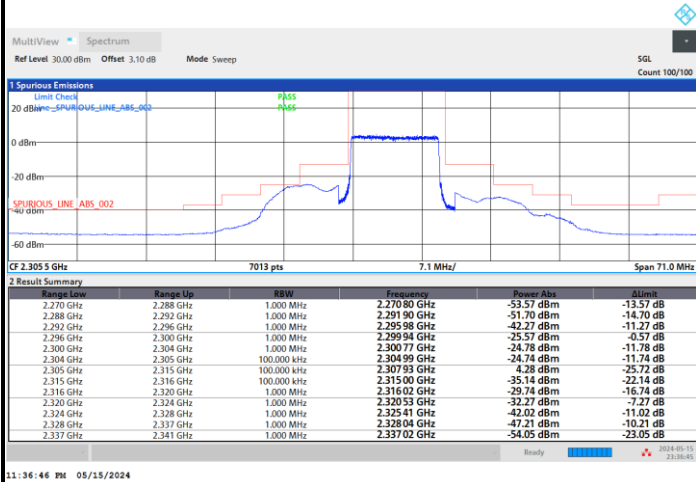
12:15:53 AM 05/16/2024



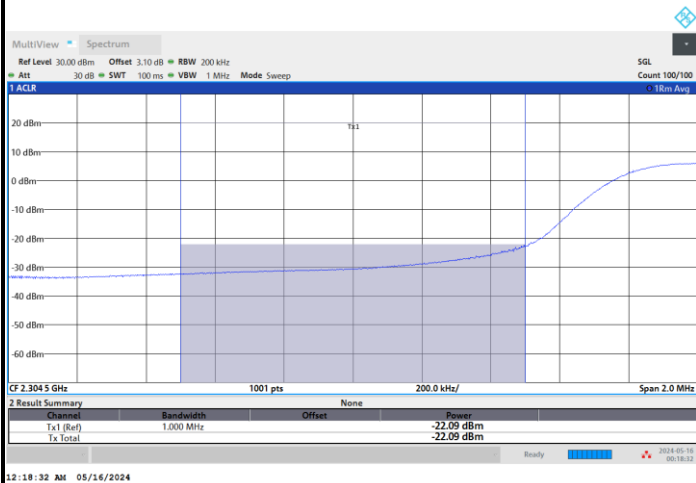


FR1 n30 / 10MHz / DFT-s-OFDM / PI/2 BPSK

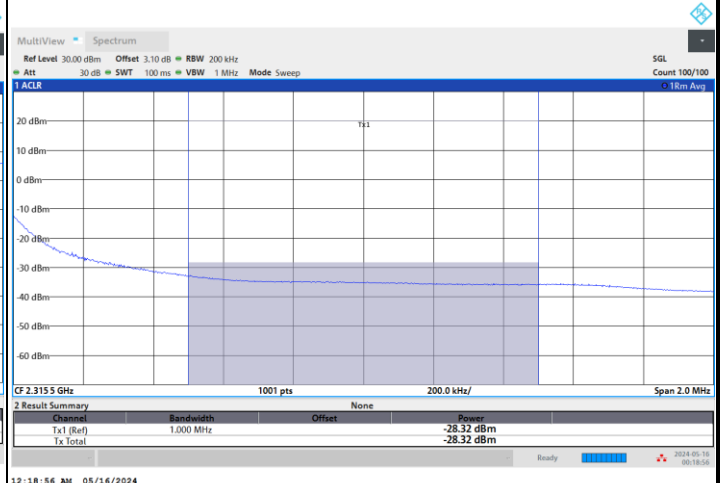
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



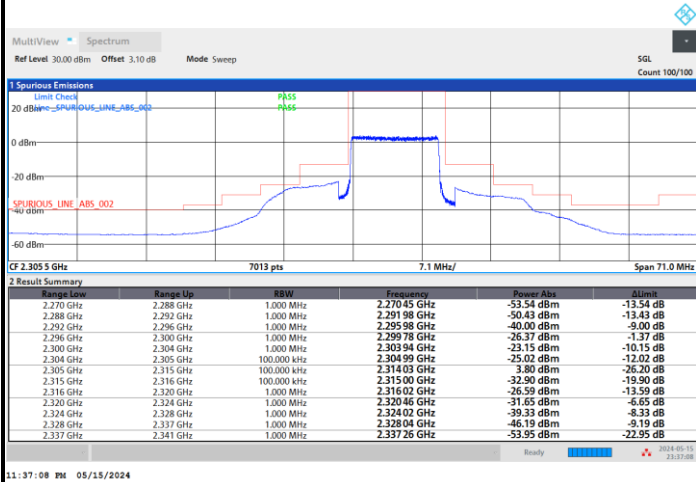
Middle Band Edge / Full RB / Upper zoom in



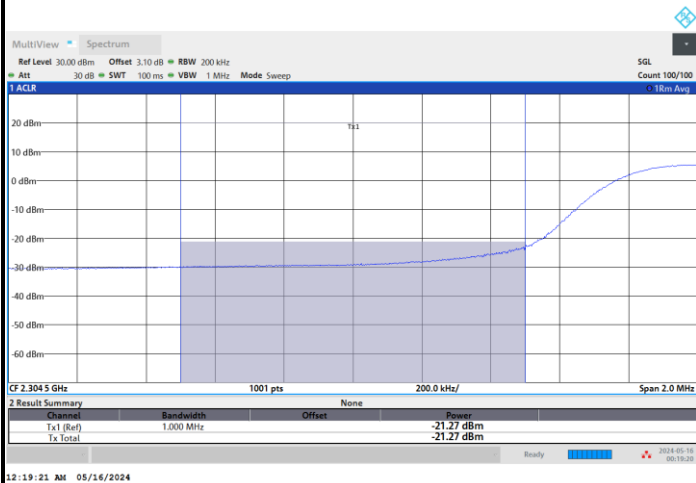


FR1 n30 / 10MHz / DFT-s-OFDM / QPSK

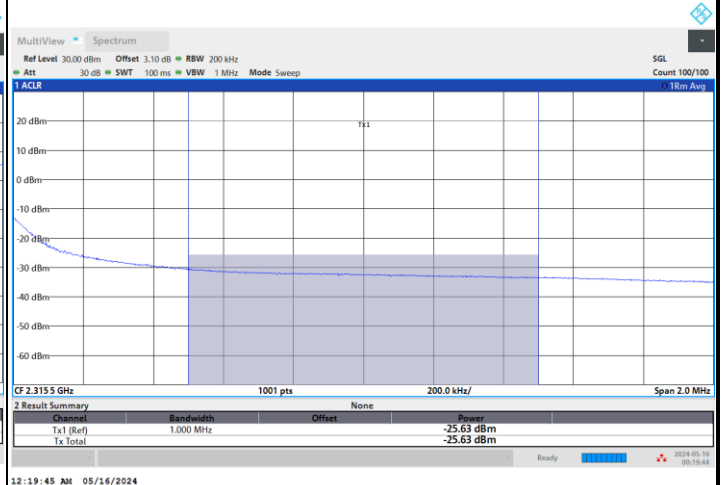
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



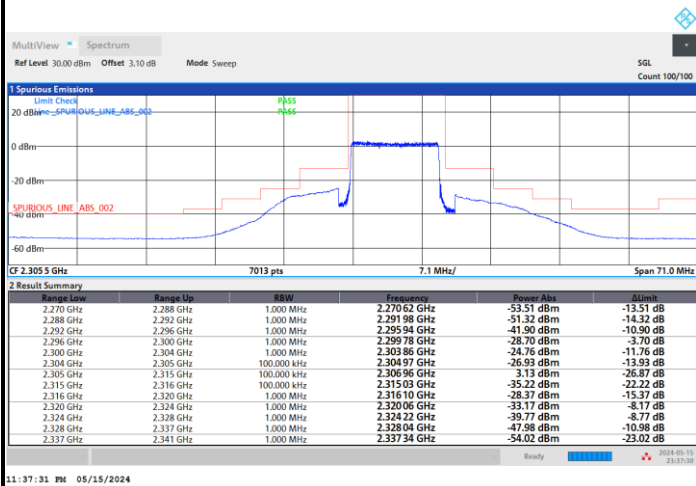
Middle Band Edge / Full RB / Upper zoom in



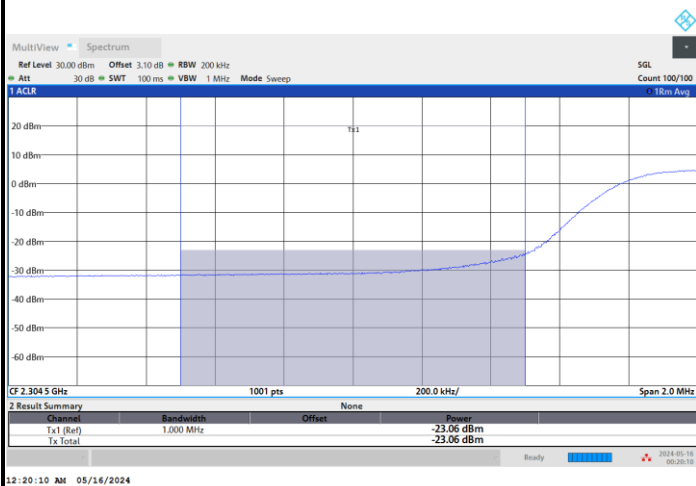


FR1 n30 / 10MHz / DFT-s-OFDM / 16QAM

Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



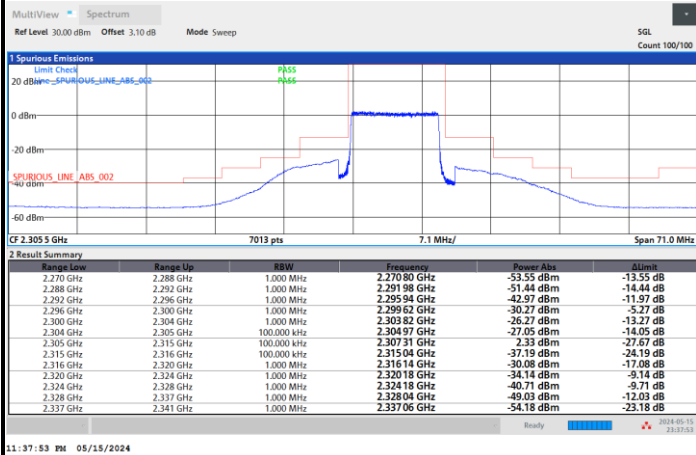
Middle Band Edge / Full RB / Upper zoom in



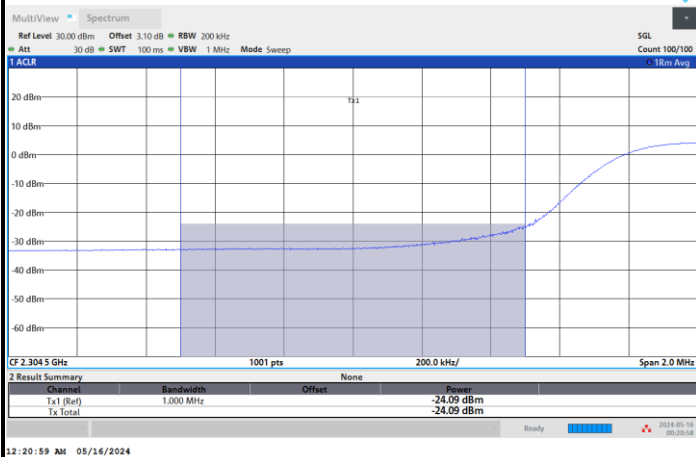


FR1 n30 / 10MHz / DFT-s-OFDM / 64QAM

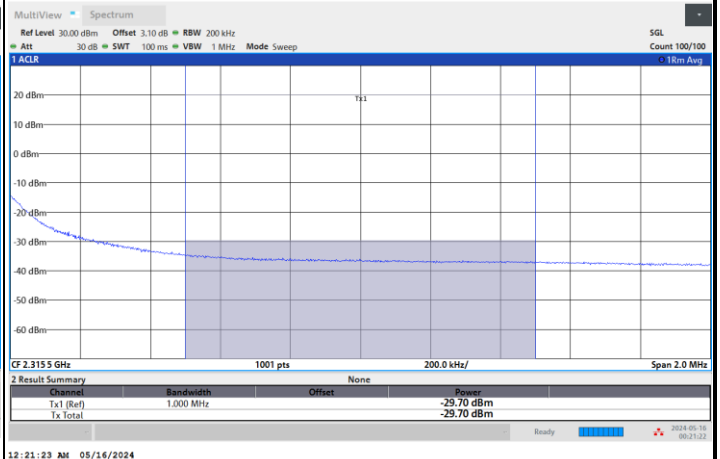
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



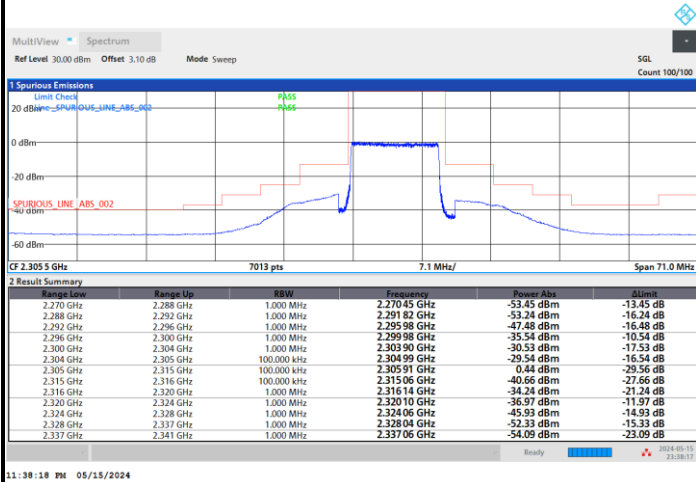
Middle Band Edge / Full RB / Upper zoom in



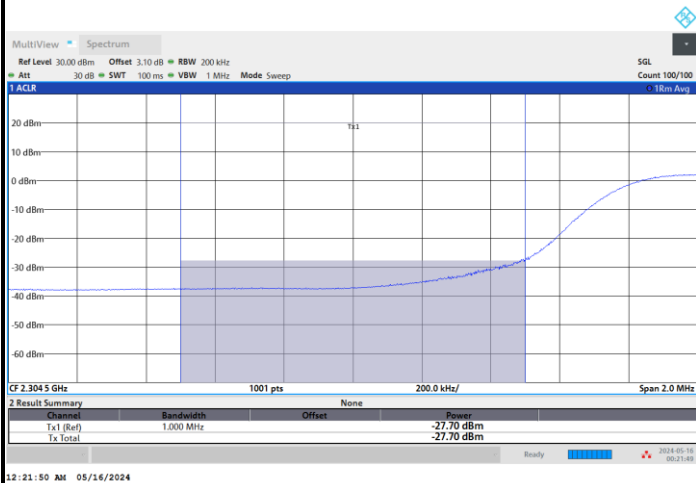


FR1 n30 / 10MHz / DFT-s-OFDM / 256QAM

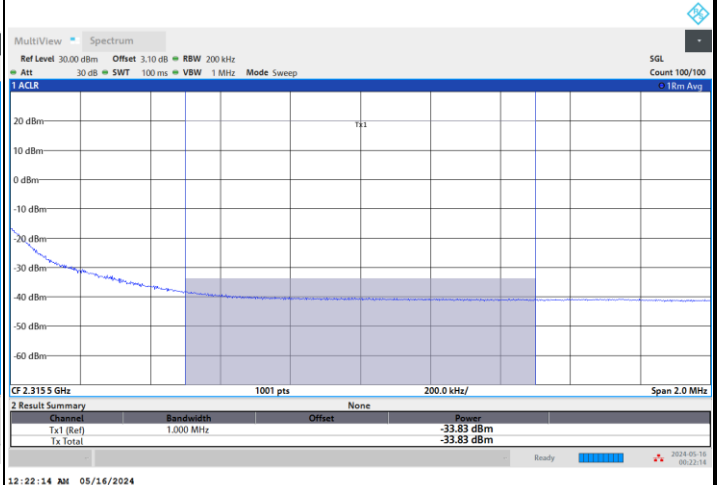
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



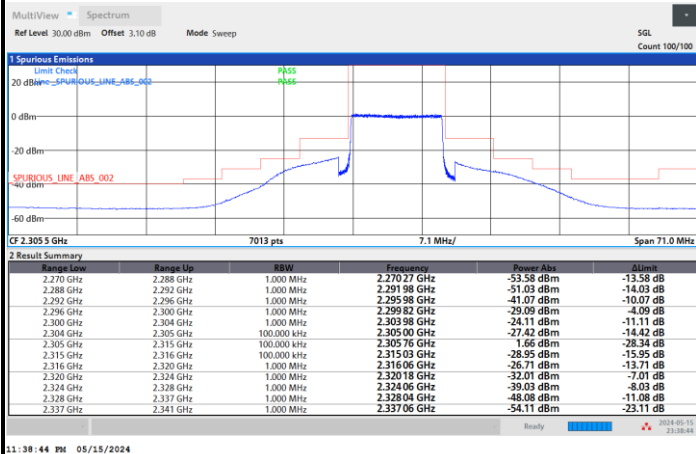
Middle Band Edge / Full RB / Upper zoom in





FR1 n30 / 10MHz / CP OFDM / QPSK / Full RB

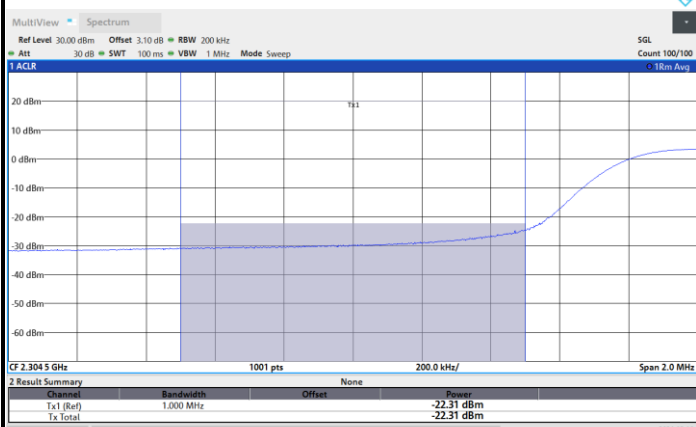
Middle Band Edge / Full RB



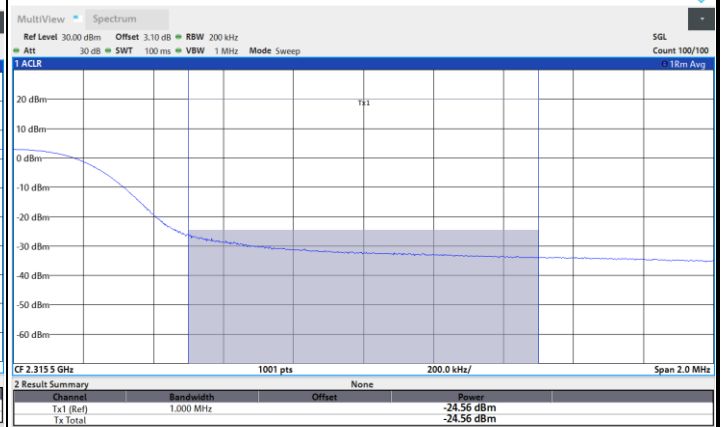
11:38:44 PM 05/15/2024

Middle Band Edge / Full RB / Lower zoom in

Middle Band Edge / Full RB / Upper zoom in



12:17:41 AM 05/16/2024



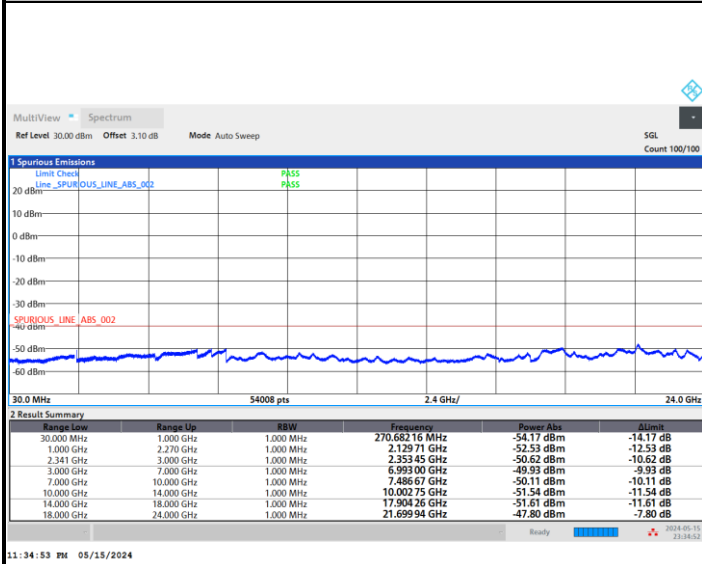
12:18:05 AM 05/16/2024



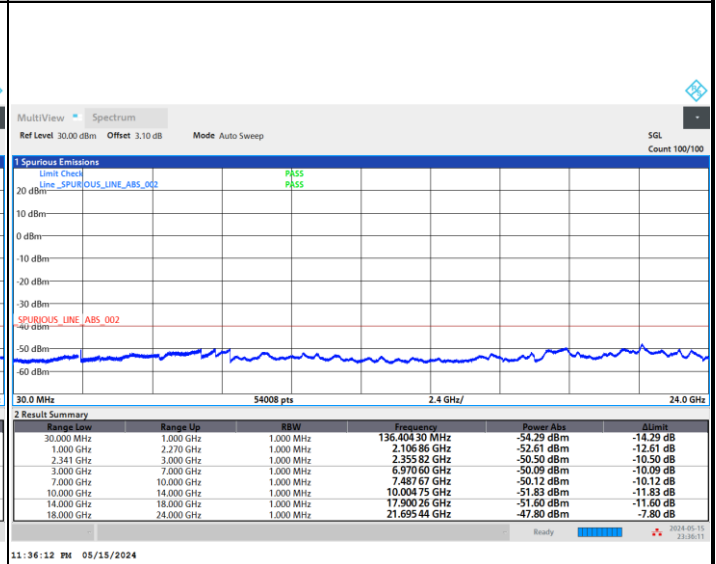
Conducted Spurious Emission

FR1 n30 / 5MHz / DFT-S OFDM / QPSK / 1RB1

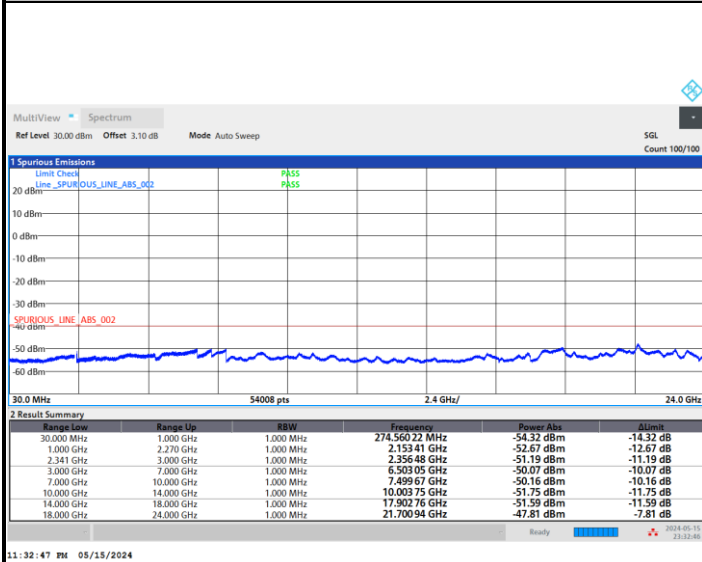
Lowest Channel



Middle Channel



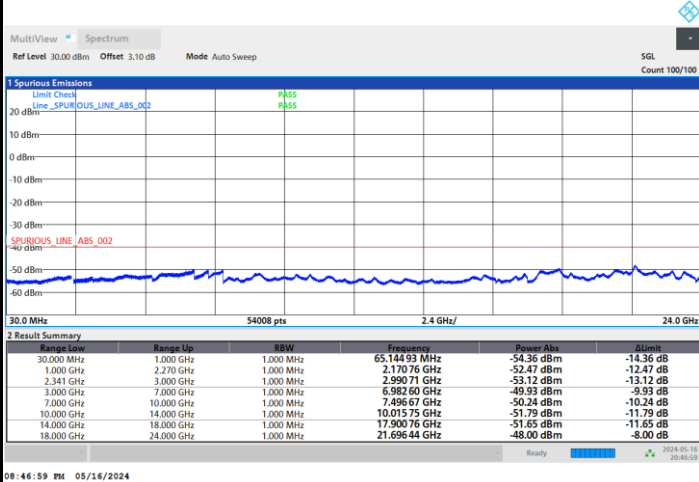
Highest Channel





FR1 n30 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Middle Channel



Frequency Stability

Test Conditions		FR1 n30 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0054	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0045	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

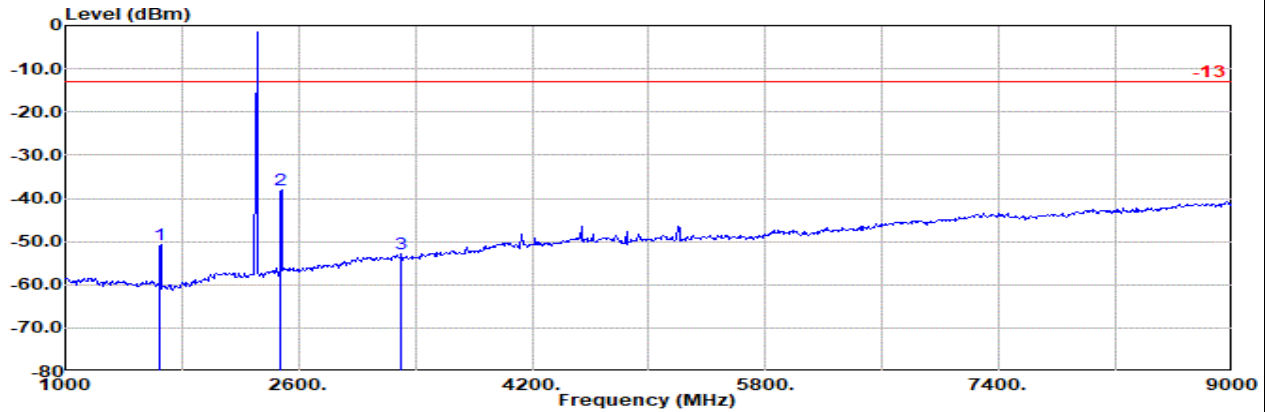
1. Normal Voltage = 12 V. ; Battery End Point (BEP) = 9 V. ; Maximum Voltage = 14 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

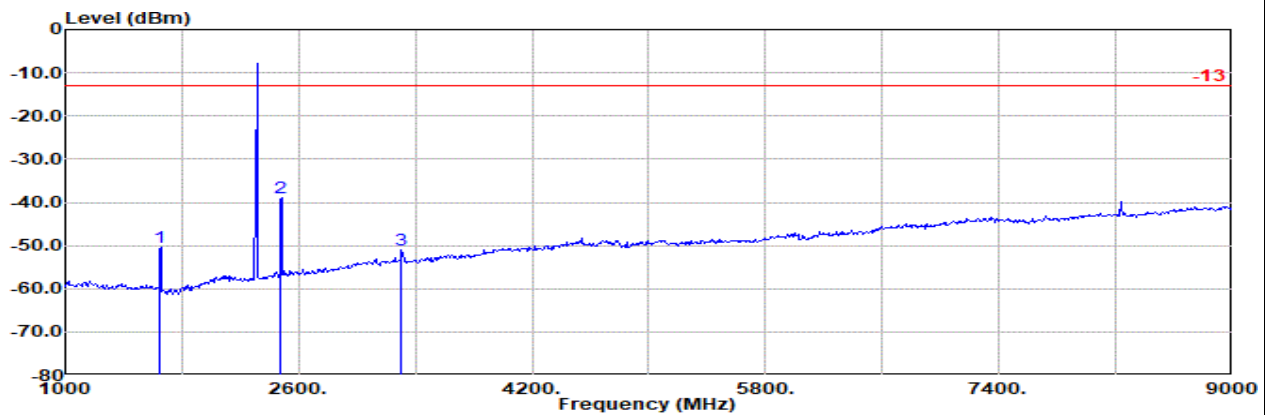
B1. Summary of each worse mode

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
1	Part 22H	EN-DC B30+n5	L	2475	-37.90	RMS	27.85	-26.23	0.51	-95.23	55.20	-13.00	-24.90	H	0+1
2	Part 24E	EN-DC B30+n2	H	5673	-41.45	RMS	33.15	-22.56	0.39	-95.23	42.80	-13.00	-28.45	H	0+8
3	Part 27D	NR SA n30	M	6924	-54.78	RMS	36.00	-51.85	0.34	-95.23	55.96	-40.00	-14.78	V	0
4	Part 27D	NR SA n30	M	6917	-53.29	RMS	36.00	-51.85	0.34	-95.23	57.45	-40.00	-13.29	H	0
5	Part 27L	EN-DC B30+n66	H	5284	-37.37	RMS	33.20	-22.40	0.45	-95.23	46.61	-13.00	-24.37	H	0+8
6	Part 27Q	EN-DC B30+n77	H	14125	-32.84	RMS	40.90	-13.36	0.45	-95.23	34.40	-13.00	-19.84	V	0+4
7	Part 27O	EN-DC B30+n77	L	14805	-32.32	RMS	40.59	-13.59	0.42	-95.23	35.49	-13.00	-19.32	V	0+4

Ant. 0+Ant. 1
Part 22H Mode 1
EN-DC B30+n5 10M + 20M Ch27710 1RB0 QPSK + Ch166800 1RB1 BPSK
L


Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 10M Ch27710 1RB0 QPSK
 : SA n5 20M Ch166800 1RB1 BPSK

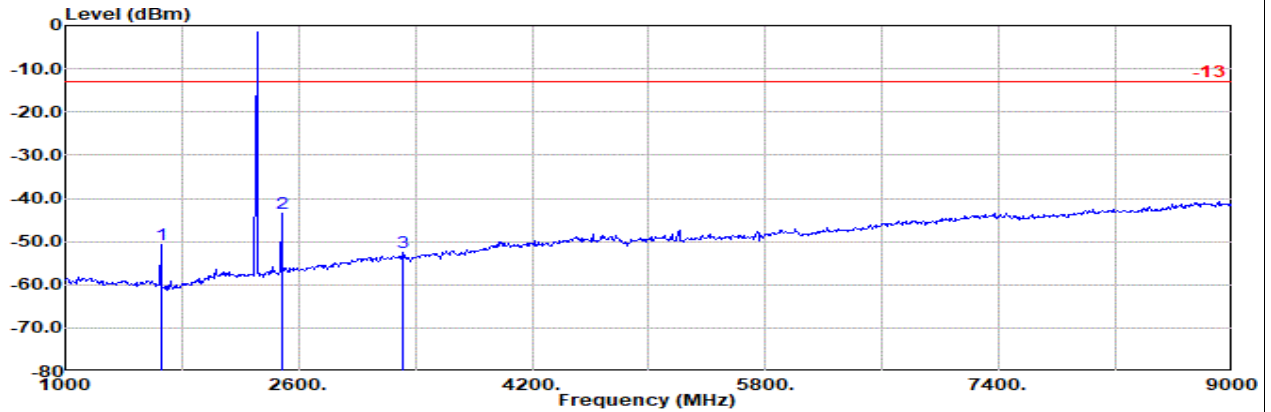
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1650.00	-50.76	RMS	25.40	-27.26	0.75	-95.23	45.58	-13.00	-37.76	Horizontal
2	2475.00	-37.90	RMS	27.85	-26.23	0.51	-95.23	55.20	-13.00	-24.90	Horizontal
3	3301.00	-52.87	RMS	29.80	-24.52	0.40	-95.23	36.68	-13.00	-39.87	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 30 10M Ch27710 1RB0 QPSK
 : SA n5 20M Ch166800 1RB1 BPSK

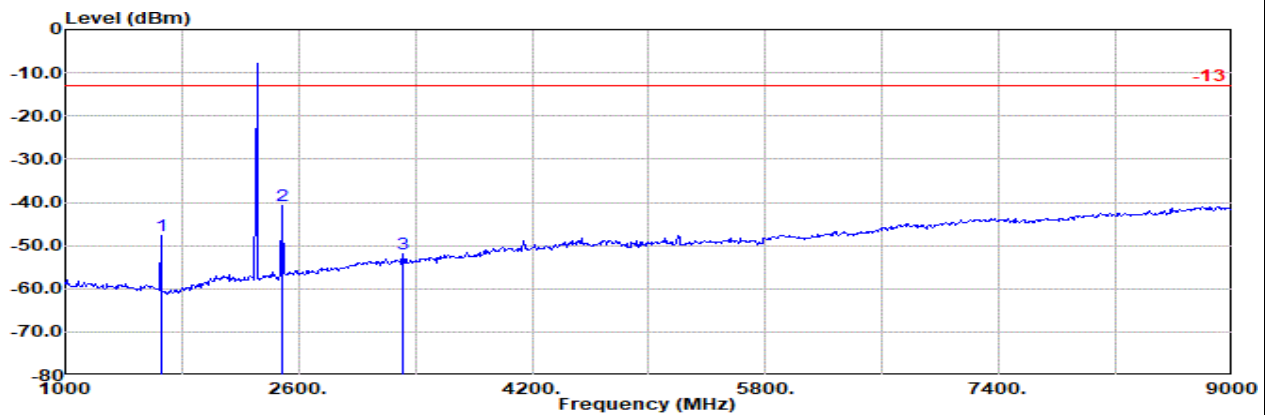
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dBuV	dBm	dB	
1	1650.00	-50.42	RMS	25.40	-27.26	0.75	-95.23	45.92	-13.00	-37.42	Vertical
2	2475.00	-38.90	RMS	27.85	-26.23	0.51	-95.23	54.20	-13.00	-25.90	Vertical
3	3301.00	-50.95	RMS	29.80	-24.52	0.40	-95.23	38.60	-13.00	-37.95	Vertical

Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.

Ant. 0+Ant. 1
Part 22H Mode 1
EN-DC B30+n5 10M + 20M Ch27710 1RB0 QPSK + Ch167300 1RB1 BPSK
M


Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: SA n5 20M Ch167300 1RB1 BPSK

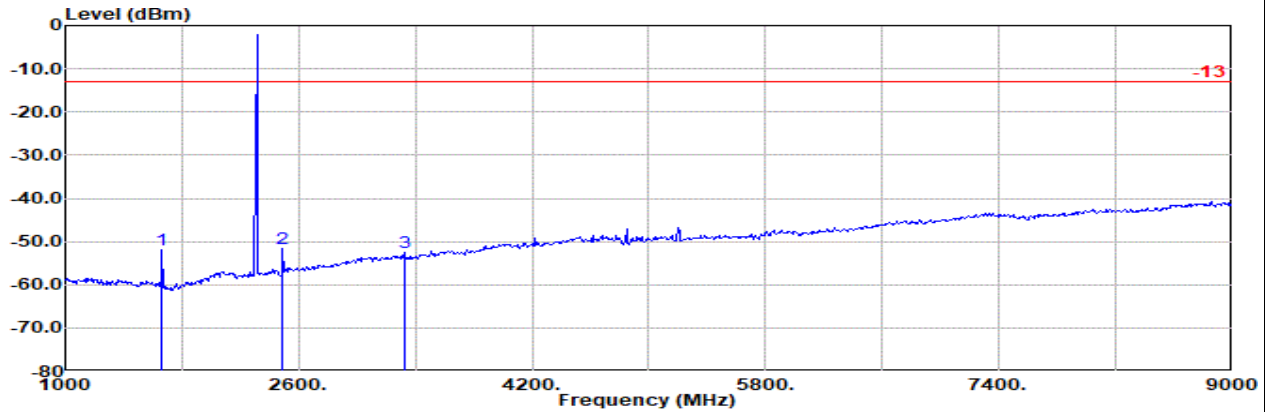
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1656.00	-50.77	RMS	25.40	-27.25	0.75	-95.23	45.56	-13.00	-37.77	Horizontal
2	2483.00	-43.40	RMS	27.93	-26.21	0.51	-95.23	49.60	-13.00	-30.40	Horizontal
3	3312.00	-52.53	RMS	29.78	-24.48	0.40	-95.23	37.00	-13.00	-39.53	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: SA n5 20M Ch167300 1RB1 BPSK

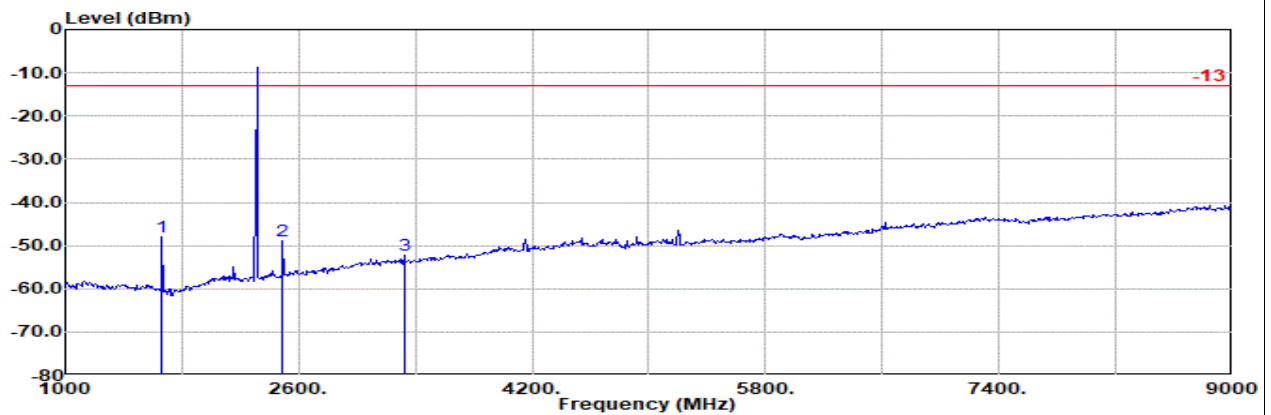
	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB
1	1656.00	-47.60	RMS	25.40	-27.25	0.75	-95.23	48.73	-13.00	-34.60	Vertical
2	2483.00	-40.88	RMS	27.93	-26.21	0.51	-95.23	52.12	-13.00	-27.88	Vertical
3	3312.00	-51.81	RMS	29.78	-24.48	0.40	-95.23	37.72	-13.00	-38.81	Vertical

Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.

Ant. 0+Ant. 1
Part 22H Mode 1
EN-DC B30+n5 10M + 20M Ch27710 1RB0 QPSK + Ch167800 1RB1 BPSK
H


Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Horizontal
 : LTE Band 30 10M Ch27710 1RB0 QPSK
 : SA n5 20M Ch167800 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	1660.00	-51.85	RMS	25.40	-27.24	0.74	-95.23	44.48	-13.00	-38.85	Horizontal
2	2488.00	-51.51	RMS	27.98	-26.20	0.50	-95.23	41.44	-13.00	-38.51	Horizontal
3	3321.00	-52.53	RMS	29.76	-24.45	0.40	-95.23	36.99	-13.00	-39.53	Horizontal



Site : 03CH12-HY
 Condition: -13 3m 9120D-02114-230731 Vertical
 : LTE Band 30 10M Ch27710 1RB0 QPSK
 : SA n5 20M Ch167800 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	1660.00	-48.03	RMS	25.40	-27.24	0.74	-95.23	48.30	-13.00	-35.03	Vertical
2	2490.00	-48.81	RMS	28.00	-26.20	0.50	-95.23	44.12	-13.00	-35.81	Vertical
3	3321.00	-52.15	RMS	29.76	-24.45	0.40	-95.23	37.37	-13.00	-39.15	Vertical

Remark: The limit signal between #1 and #2 is fundamental signal which can be ignored.

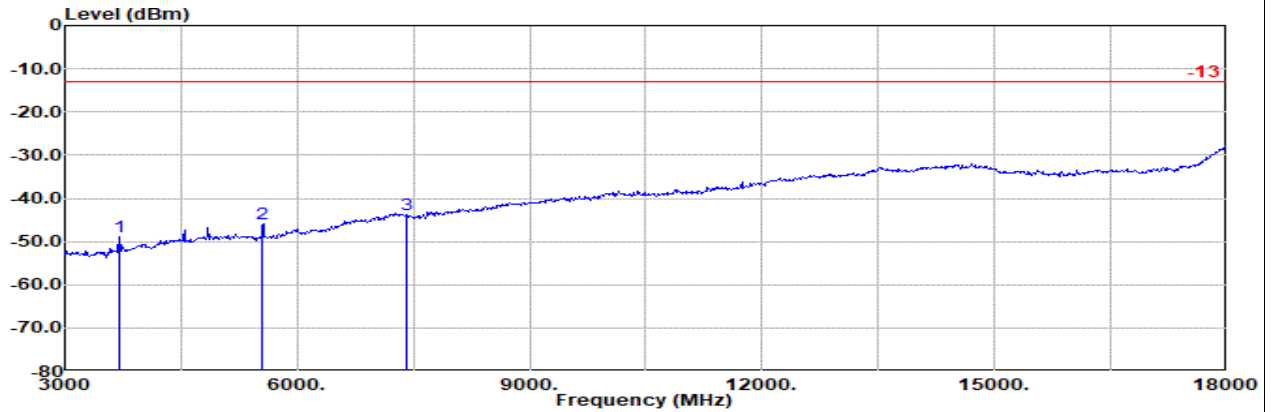


Ant. 0+Ant. 8

Part 24E Mode 2

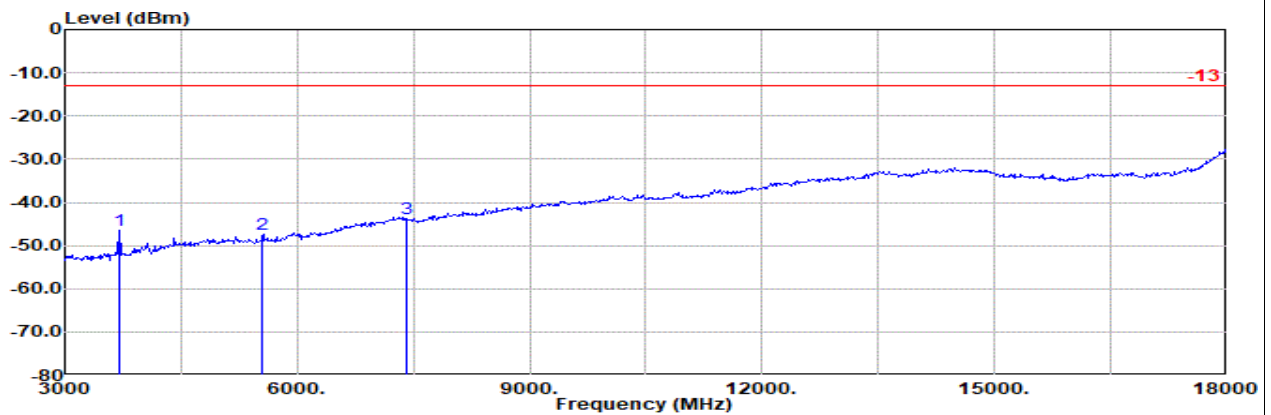
EN-DC B30+n2 10M + 20M Ch27710 1RB0 QPSK + Ch372000 1RB1 BPSK

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch372000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3702.00	-48.85	RMS	29.71	-23.43	0.76	-95.23	39.34	-13.00	-35.85	Horizontal
2	5553.00	-46.01	RMS	33.11	-22.38	0.40	-95.23	38.09	-13.00	-33.01	Horizontal
3	7405.00	-43.81	RMS	36.70	-20.78	0.33	-95.23	35.17	-13.00	-30.81	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch372000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3702.00	-46.58	RMS	29.71	-23.43	0.76	-95.23	41.61	-13.00	-33.58	Vertical
2	5553.00	-47.34	RMS	33.11	-22.38	0.40	-95.23	36.76	-13.00	-34.34	Vertical
3	7405.00	-43.85	RMS	36.70	-20.78	0.33	-95.23	35.13	-13.00	-30.85	Vertical

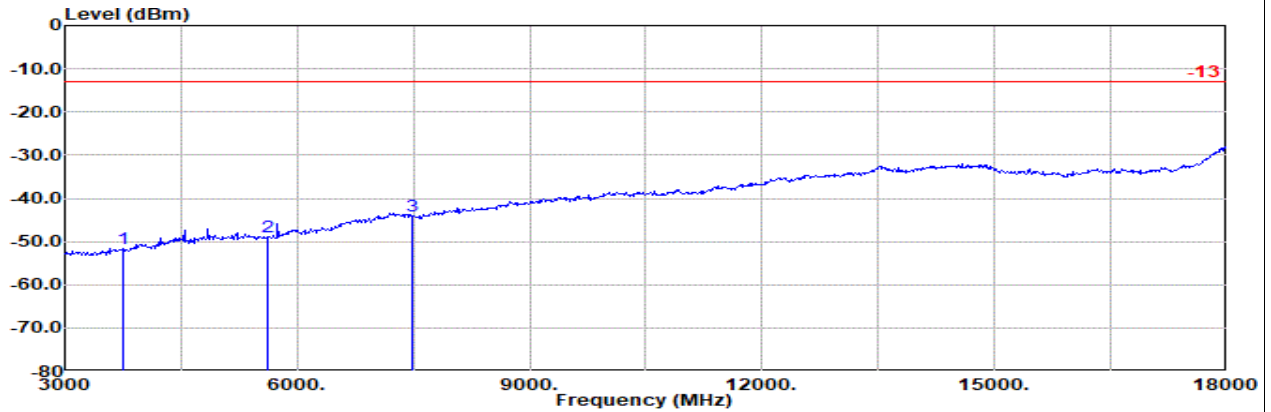


Ant. 0+Ant. 8

Part 24E Mode 2

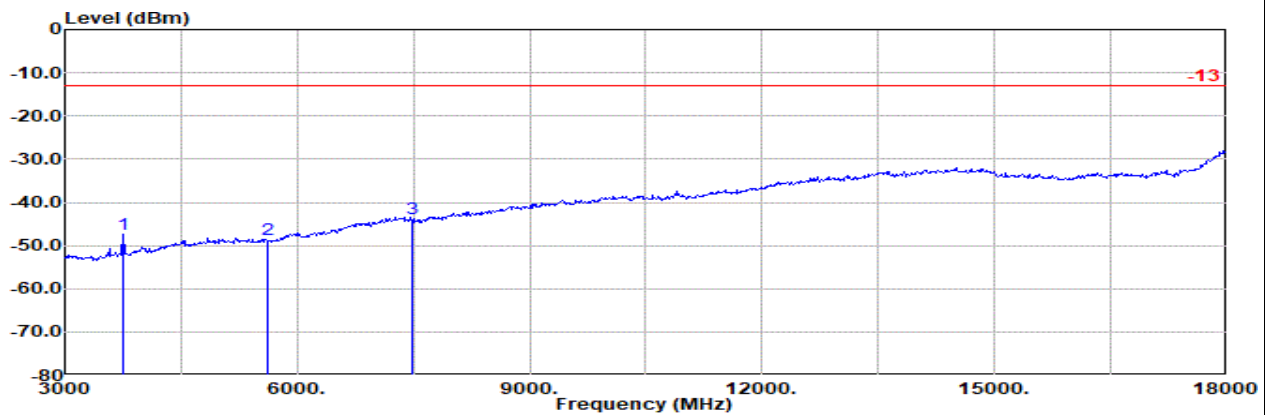
EN-DC B30+n2 10M + 20M Ch27710 1RB0 QPSK + Ch376000 1RB1 BPSK

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch376000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3743.00	-51.48	RMS	29.87	-23.52	0.72	-95.23	36.68	-13.00	-38.48	Horizontal
2	5614.00	-48.90	RMS	33.20	-22.50	0.39	-95.23	35.24	-13.00	-35.90	Horizontal
3	7485.00	-44.01	RMS	36.56	-20.85	0.34	-95.23	35.17	-13.00	-31.01	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch376000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3743.00	-47.39	RMS	29.87	-23.52	0.72	-95.23	40.77	-13.00	-34.39	Vertical
2	5614.00	-48.58	RMS	33.20	-22.50	0.39	-95.23	35.56	-13.00	-35.58	Vertical
3	7485.00	-43.92	RMS	36.56	-20.85	0.34	-95.23	35.26	-13.00	-30.92	Vertical

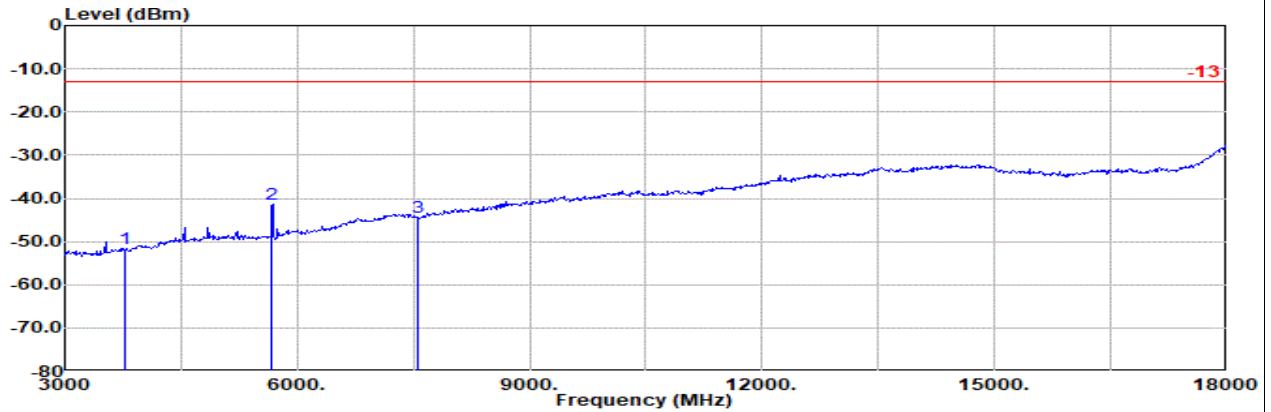


Ant. 0+Ant. 8

Part 24E Mode 2

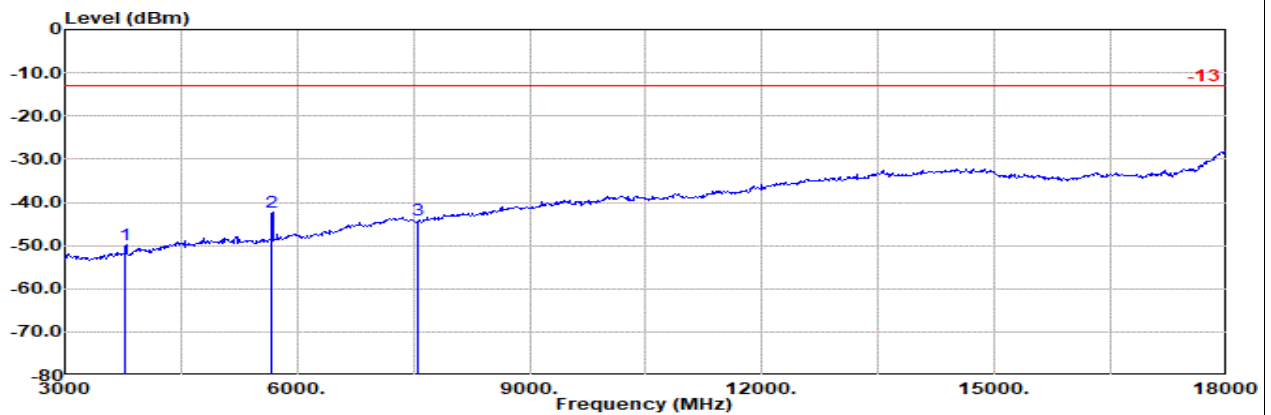
EN-DC B30+n2 10M + 20M Ch27710 1RB0 QPSK + Ch380000 1RB1 BPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch380000 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3782.00	-51.65	RMS	30.09	-23.60	0.68	-95.23	36.41	-13.00	-38.65	Horizontal
2	5673.00	-41.45	RMS	33.15	-22.56	0.39	-95.23	42.80	-13.00	-28.45	Horizontal
3	7565.00	-44.30	RMS	36.40	-20.90	0.35	-95.23	35.08	-13.00	-31.30	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n2 20M Ch380000 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF	Readin Limit		Margin	Pol
	MHz	dBm		Factor	dB	dB	dB	dBuV	dBm	dB	
1	3782.00	-49.91	RMS	30.09	-23.60	0.68	-95.23	38.15	-13.00	-36.91	Vertical
2	5673.00	-42.26	RMS	33.15	-22.56	0.39	-95.23	41.99	-13.00	-29.26	Vertical
3	7565.00	-43.96	RMS	36.40	-20.90	0.35	-95.23	35.42	-13.00	-30.96	Vertical

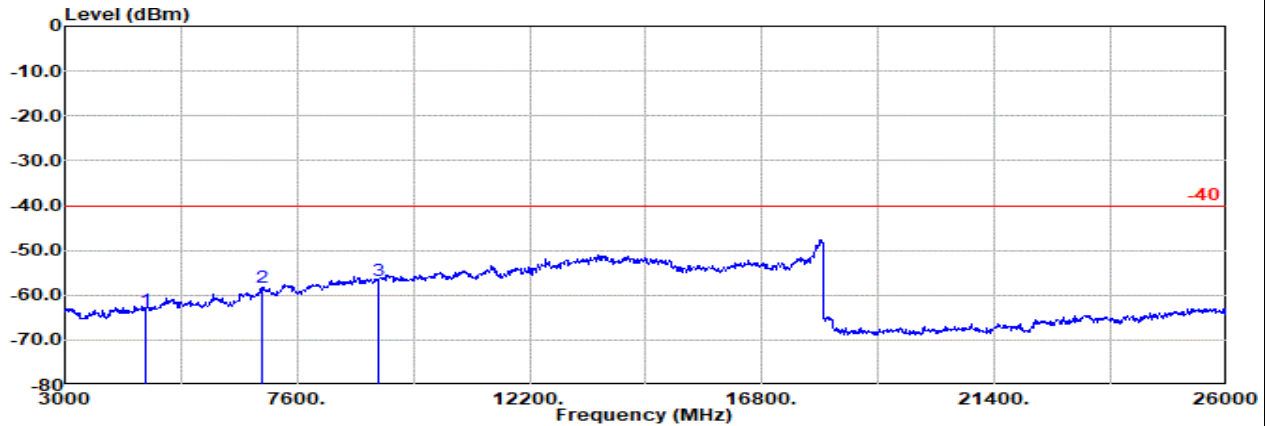


Ant. 0

Part 27D Mode 3

NR SA n30 5M Ch461500 1RB1 BPSK

L

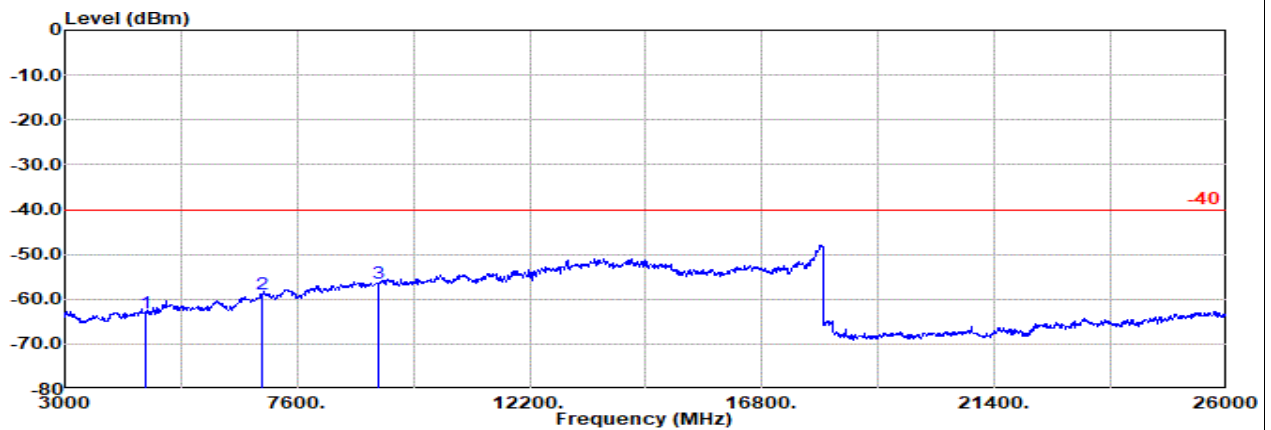


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

: NR SA n30 5M Ch461500 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4611.00	-63.36	RMS	31.78	-56.30	0.49	-95.23	55.90	-40.00	-23.36	Horizontal
2	6916.00	-58.19	RMS	36.00	-51.86	0.34	-95.23	52.56	-40.00	-18.19	Horizontal
3	9222.00	-56.67	RMS	38.40	-51.45	0.34	-95.23	51.27	-40.00	-16.67	Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

: NR SA n30 5M Ch461500 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb 1	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	4611.00	-63.24	RMS	31.78	-56.30	0.49	-95.23	56.02	-40.00	-23.24	Vertical
2	6916.00	-58.89	RMS	36.00	-51.86	0.34	-95.23	51.86	-40.00	-18.89	Vertical
3	9222.00	-56.40	RMS	38.40	-51.45	0.34	-95.23	51.54	-40.00	-16.40	Vertical

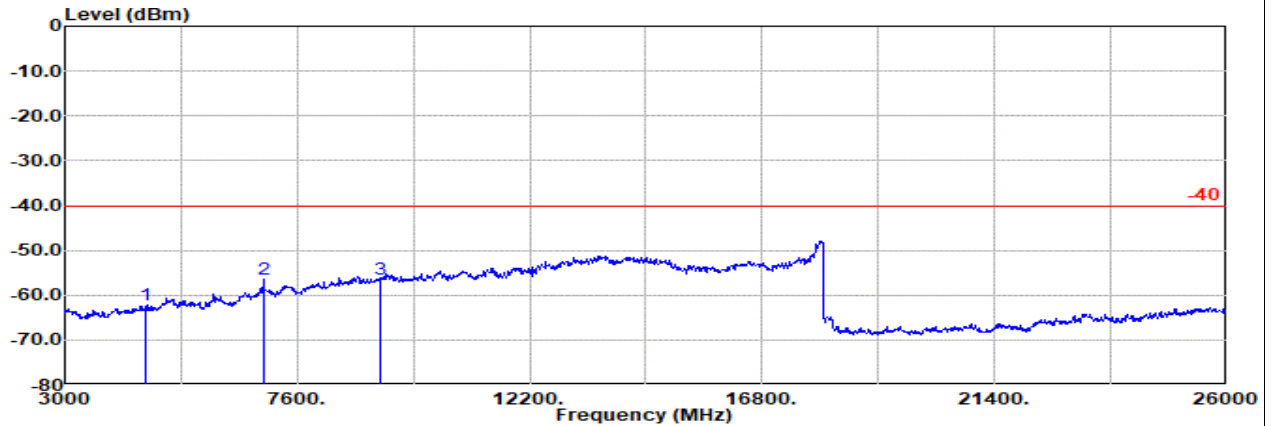


Ant. 0

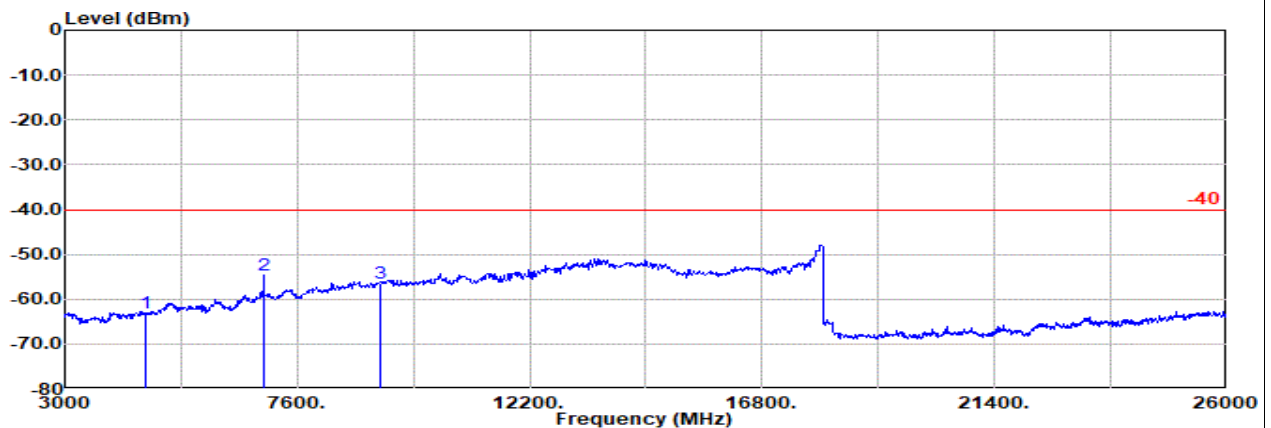
Part 27D Mode 3

NR SA n30 5M Ch462000 1RB1 BPSK

M



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4616.00	-62.06	RMS	31.77	-56.26	0.48	-95.23	57.18	-40.00	-22.06	Horizontal
2	6924.00	-56.49	RMS	36.00	-51.85	0.34	-95.23	54.25	-40.00	-16.49	Horizontal
3	9232.00	-56.43	RMS	38.40	-51.41	0.34	-95.23	51.47	-40.00	-16.43	Horizontal



	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4616.00	-63.18	RMS	31.77	-56.26	0.48	-95.23	56.06	-40.00	-23.18	Vertical
2	6924.00	-54.78	RMS	36.00	-51.85	0.34	-95.23	55.96	-40.00	-14.78	Vertical
3	9232.00	-56.36	RMS	38.40	-51.41	0.34	-95.23	51.54	-40.00	-16.36	Vertical

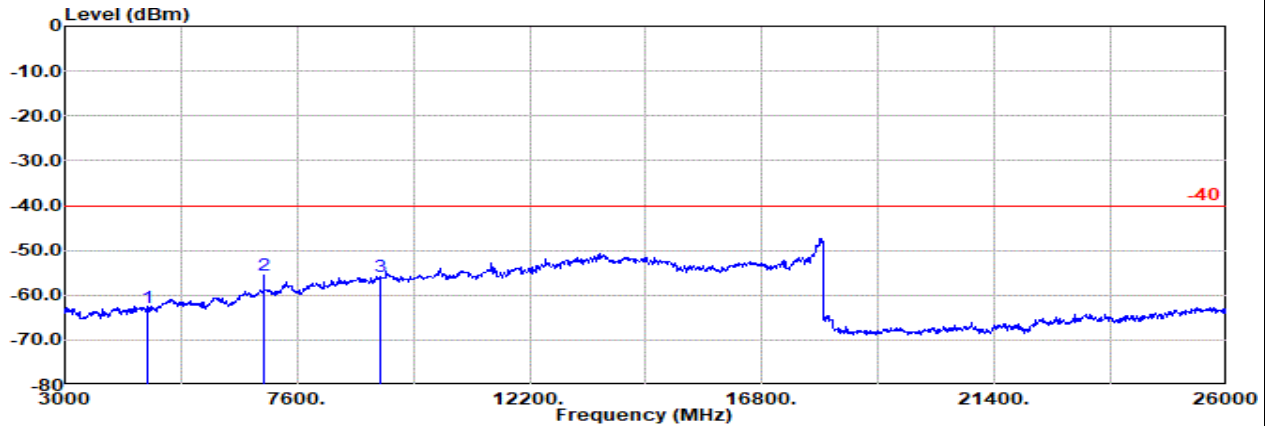


Ant. 0

Part 27D Mode 3

NR SA n30 5M Ch462500 1RB1 BPSK

H

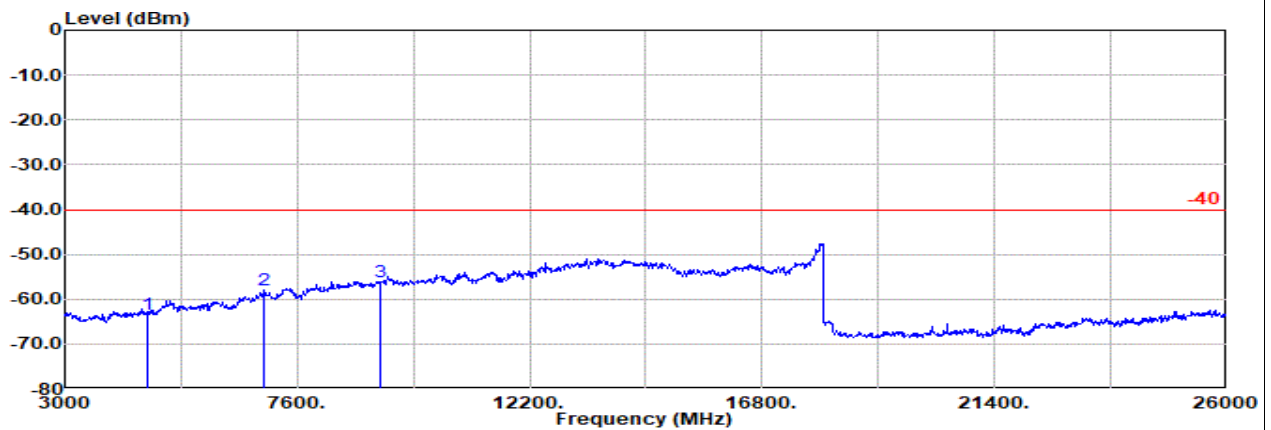


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

: NR SA n30 5M Ch462500 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm	dB	
1	4621.00	-62.76	RMS	31.76	-56.23	0.48	-95.23	56.46	-40.00	-22.76	Horizontal
2	6931.00	-55.43	RMS	36.00	-51.85	0.34	-95.23	55.31	-40.00	-15.43	Horizontal
3	9242.00	-55.97	RMS	38.40	-51.38	0.34	-95.23	51.90	-40.00	-15.97	Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

: NR SA n30 5M Ch462500 1RB1 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	1			dBuV	dBm	dB	
1	4621.00	-63.37	RMS	31.76	-56.23	0.48	-95.23	55.85	-40.00	-23.37	Vertical
2	6931.00	-58.07	RMS	36.00	-51.85	0.34	-95.23	52.67	-40.00	-18.07	Vertical
3	9242.00	-56.28	RMS	38.40	-51.38	0.34	-95.23	51.59	-40.00	-16.28	Vertical

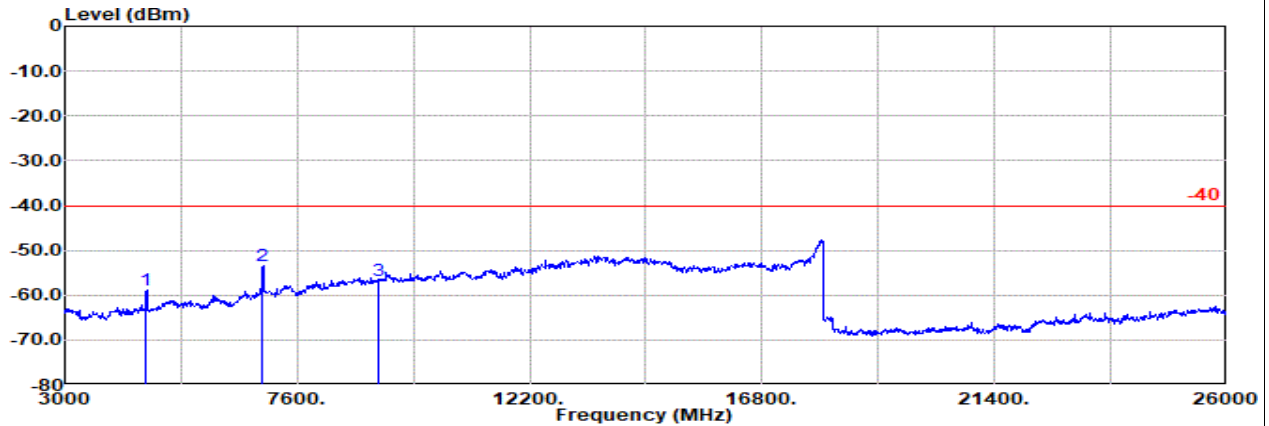


Ant. 0

Part 27D Mode 4

NR SA n30 10M Ch462000 1RB1 BPSK

M

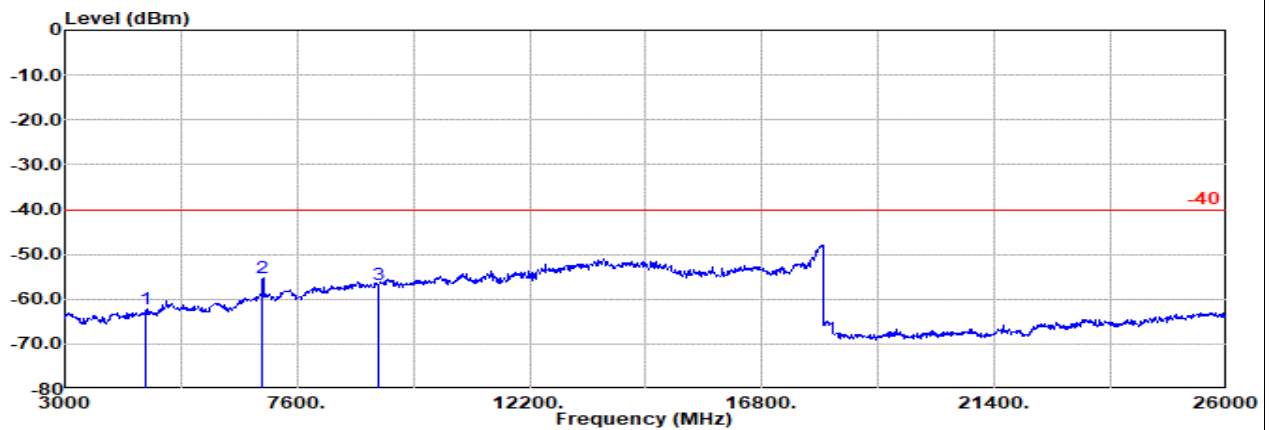


Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Horizontal

NR SA n30 10M Ch462000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4611.00	-58.78	RMS	31.78	-56.30	0.49	-95.23	60.48	-40.00	-18.78	Horizontal
2	6917.00	-53.29	RMS	36.00	-51.85	0.34	-95.23	57.45	-40.00	-13.29	Horizontal
3	9223.00	-56.65	RMS	38.40	-51.44	0.34	-95.23	51.28	-40.00	-16.65	Horizontal



Site : 03CH12-HY

Condition: -40 1m SHF_00993_231124 Vertical

NR SA n30 10M Ch462000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	4611.00	-62.07	RMS	31.78	-56.30	0.49	-95.23	57.19	-40.00	-22.07	Vertical
2	6917.00	-55.17	RMS	36.00	-51.85	0.34	-95.23	55.57	-40.00	-15.17	Vertical
3	9223.00	-56.69	RMS	38.40	-51.44	0.34	-95.23	51.24	-40.00	-16.69	Vertical

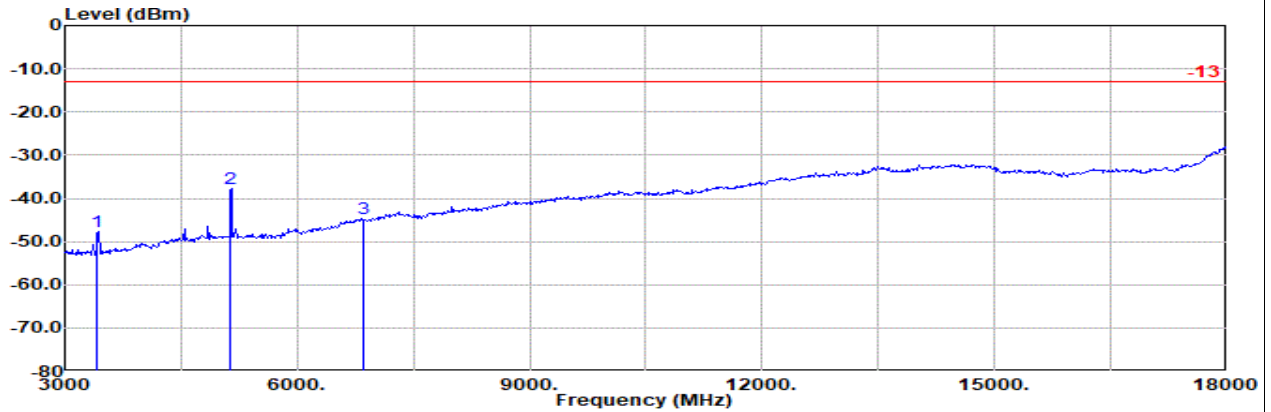


Ant. 0 + Ant. 8

Part 27L Mode 5

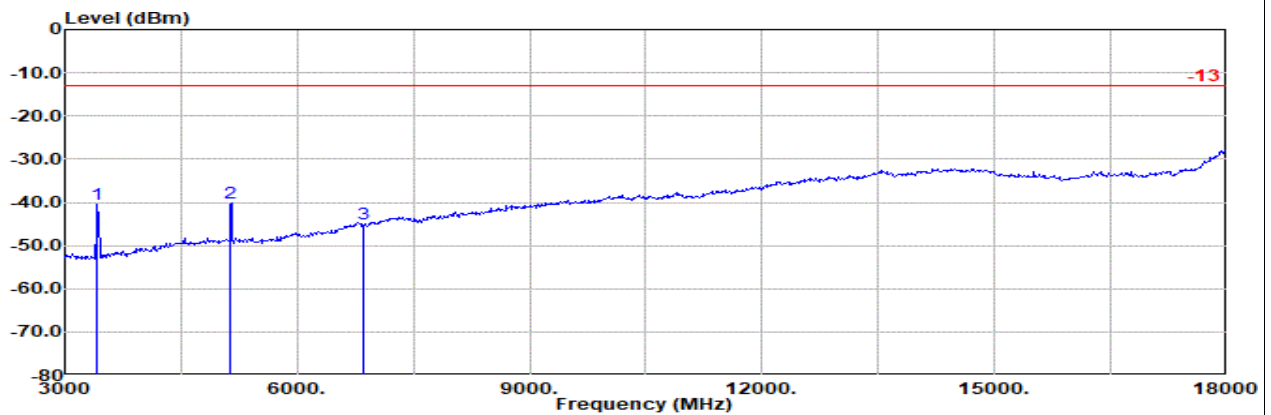
EN-DC B30+n66 10M + 20M Ch27710 1RB0 QPSK + Ch344000 1RB1 BPSK

L



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch344000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3423.00	-47.80	RMS	29.75	-24.00	1.05	-95.23	40.63	-13.00	-34.80	Horizontal
2	5134.00	-37.67	RMS	33.30	-23.05	0.47	-95.23	46.84	-13.00	-24.67	Horizontal
3	6845.00	-44.76	RMS	36.19	-21.34	0.34	-95.23	35.28	-13.00	-31.76	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch344000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3423.00	-40.35	RMS	29.75	-24.00	1.05	-95.23	48.08	-13.00	-27.35	Vertical
2	5134.00	-40.24	RMS	33.30	-23.05	0.47	-95.23	44.27	-13.00	-27.24	Vertical
3	6845.00	-44.94	RMS	36.19	-21.34	0.34	-95.23	35.10	-13.00	-31.94	Vertical

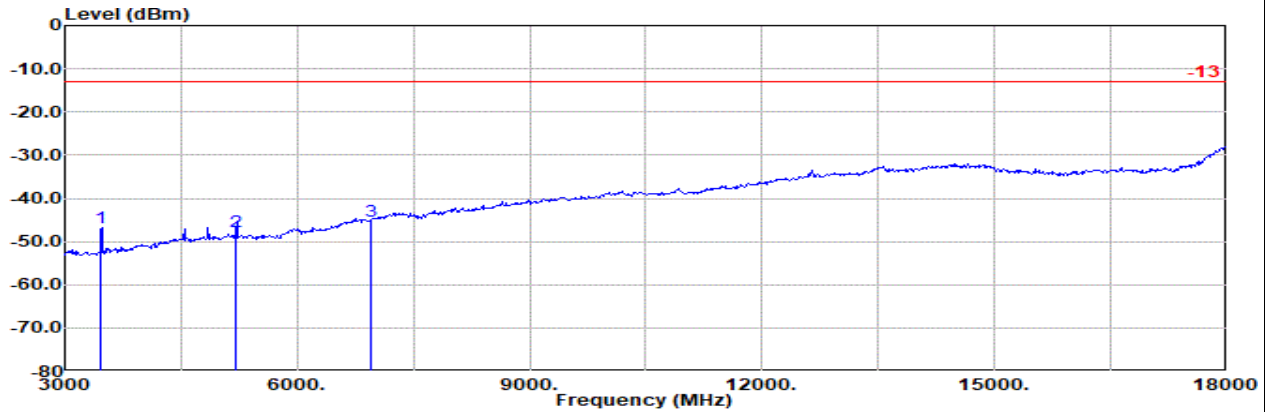


Ant. 0 + Ant. 8

Part 27L Mode 5

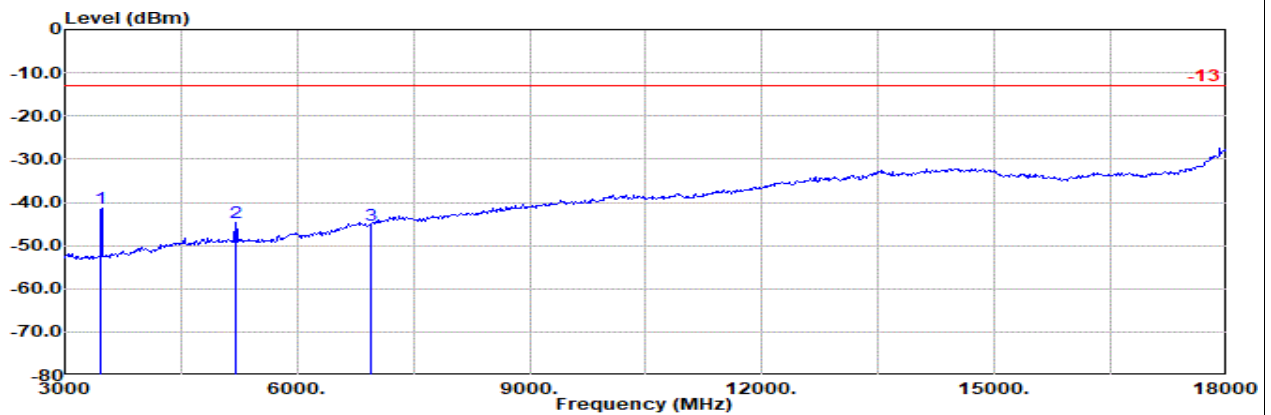
EN-DC B30+n66 10M + 20M Ch27710 1RB0 QPSK + Ch349000 1RB1 BPSK

M



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3472.00	-46.86	RMS	29.71	-23.68	0.99	-95.23	41.35	-13.00	-33.86	Horizontal
2	5208.00	-47.59	RMS	33.12	-22.84	0.47	-95.23	36.89	-13.00	-34.59	Horizontal
3	6945.00	-45.22	RMS	36.00	-21.29	0.34	-95.23	34.96	-13.00	-32.22	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch349000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm									
1	3472.00	-41.50	RMS	29.71	-23.68	0.99	-95.23	46.71	-13.00	-28.50	Vertical
2	5208.00	-44.60	RMS	33.12	-22.84	0.47	-95.23	39.88	-13.00	-31.60	Vertical
3	6945.00	-45.24	RMS	36.00	-21.29	0.34	-95.23	34.94	-13.00	-32.24	Vertical

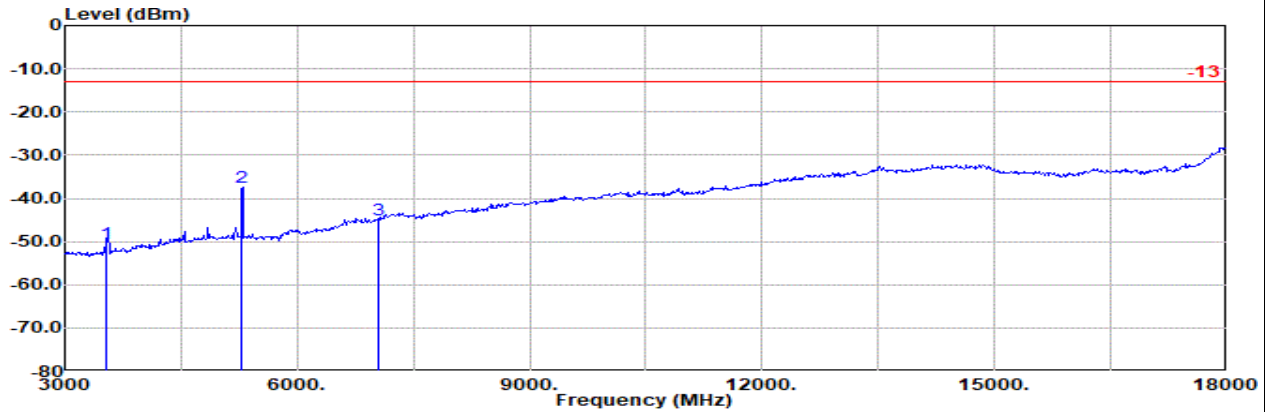


Ant. 0 + Ant. 8

Part 27L Mode 5

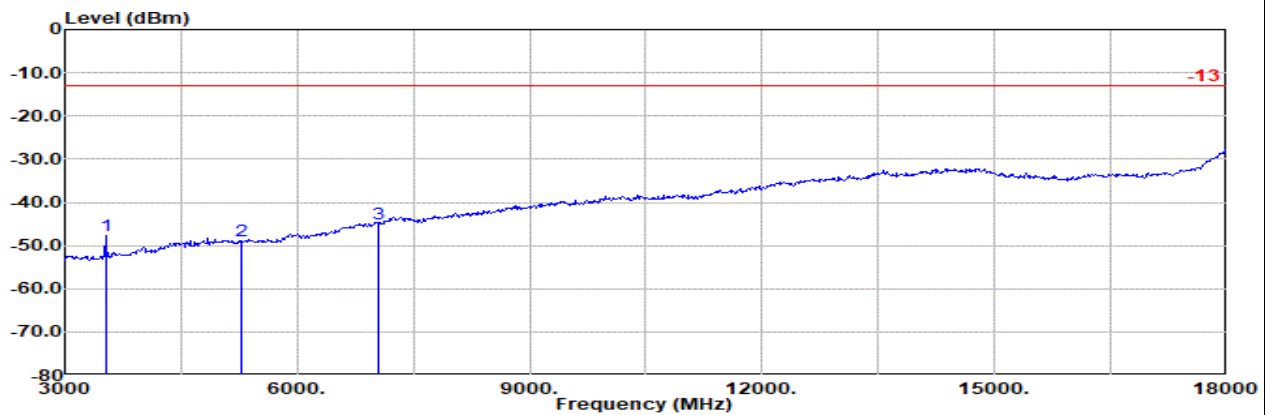
EN-DC B30+n66 10M + 20M Ch27710 1RB0 QPSK + Ch354000 1RB1 BPSK

H



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch354000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3523.00	-50.55	RMS	29.60	-23.43	0.94	-95.23	37.57	-13.00	-37.55	Horizontal
2	5284.00	-37.37	RMS	33.20	-22.40	0.45	-95.23	46.61	-13.00	-24.37	Horizontal
3	7045.00	-44.85	RMS	36.28	-21.27	0.34	-95.23	35.03	-13.00	-31.85	Horizontal



Site : 03CH12-HY
Condition: -13 3m 9120D-02114-230731 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR SA n66 20M Ch354000 1RB1 BPSK

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
	MHz	dBm				dB/m	dB	dB	dB	dB	
1	3523.00	-47.58	RMS	29.60	-23.43	0.94	-95.23	40.54	-13.00	-34.58	Vertical
2	5284.00	-48.78	RMS	33.20	-22.40	0.45	-95.23	35.20	-13.00	-35.78	Vertical
3	7045.00	-45.05	RMS	36.28	-21.27	0.34	-95.23	34.83	-13.00	-32.05	Vertical

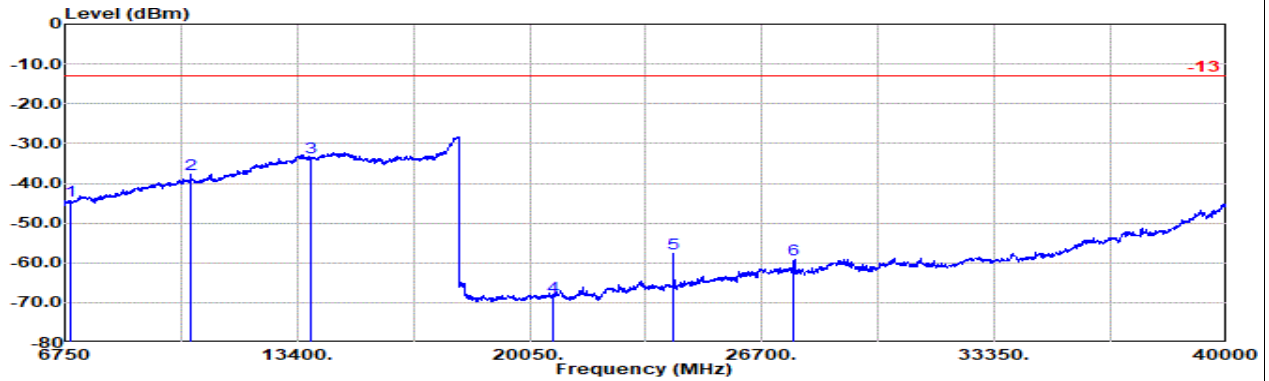


Ant. 0 + Ant. 4

Part 27Q Mode 6

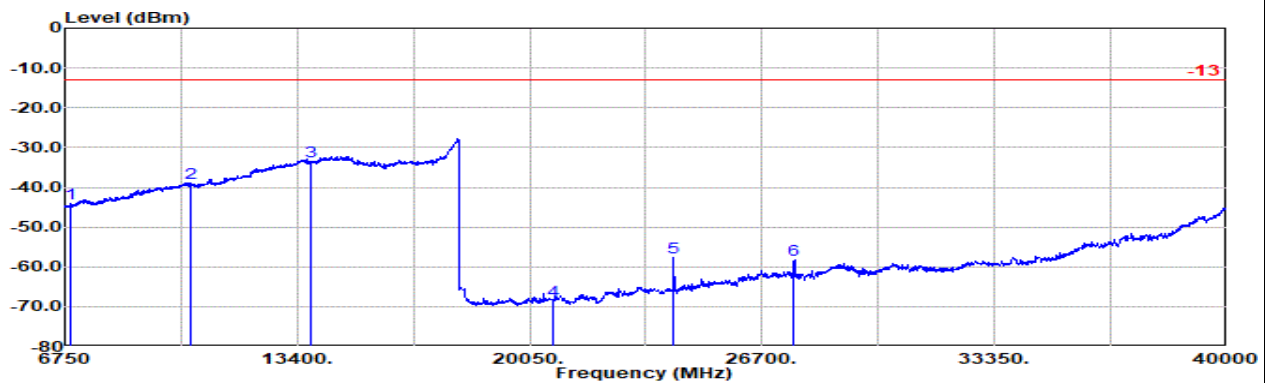
EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch630668 1RB1 BPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch630668 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor		Amp\Cb		Filter dB	EIRPCF dB	Readin g	Limit dBm	Margin dB	Pol
1	6903.00	-44.41	RMS	36.00	-21.31	0.90	-95.23	35.23	-13.00	-31.41	Horizontal		
2	10354.00	-37.61	RMS	39.09	-18.31	0.25	-95.23	36.59	-13.00	-24.61	Horizontal		
3	13805.00	-33.51	RMS	40.40	-13.14	0.45	-95.23	34.01	-13.00	-20.51	Horizontal		
4	20707.00	-68.48	RMS	37.99	-30.14	-9.54	-95.23	28.44	-13.00	-55.48	Horizontal		
5	24159.00	-57.77	RMS	38.68	-27.77	-9.54	-95.23	36.09	-13.00	-44.77	Horizontal		
6	27610.00	-59.09	RMS	39.76	-24.90	-9.54	-95.23	30.82	-13.00	-46.09	Horizontal		



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch630668 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Factor		Amp\Cb		Filter dB	EIRPCF dB	Readin g	Limit dBm	Margin dB	Pol
1	6903.00	-44.08	RMS	36.00	-21.31	0.90	-95.23	35.56	-13.00	-31.08	Vertical		
2	10354.00	-38.85	RMS	39.09	-18.31	0.25	-95.23	35.35	-13.00	-25.85	Vertical		
3	13805.00	-33.55	RMS	40.40	-13.14	0.45	-95.23	33.97	-13.00	-20.55	Vertical		
4	20707.00	-68.42	RMS	37.99	-30.14	-9.54	-95.23	28.50	-13.00	-55.42	Vertical		
5	24159.00	-57.68	RMS	38.68	-27.77	-9.54	-95.23	36.18	-13.00	-44.68	Vertical		
6	27610.00	-58.40	RMS	39.76	-24.90	-9.54	-95.23	31.51	-13.00	-45.40	Vertical		

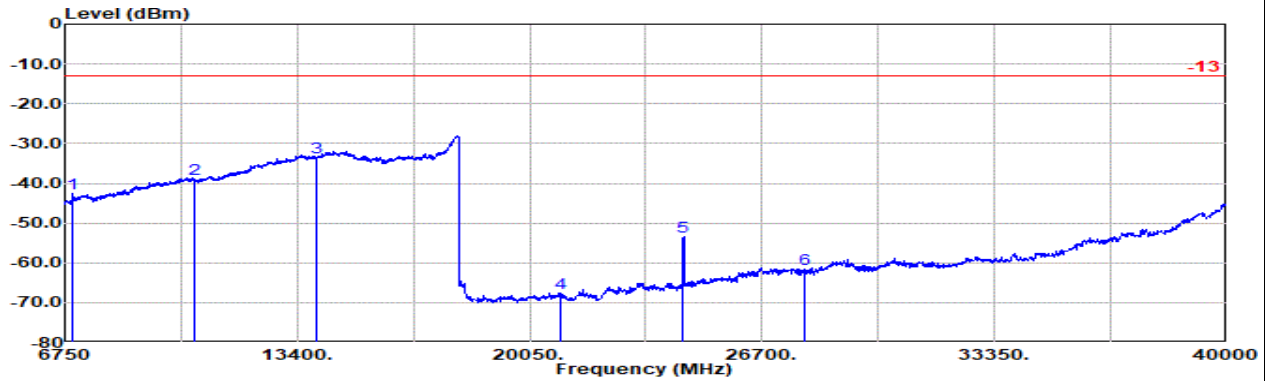


Ant. 0 + Ant. 4

Part 27Q Mode 6

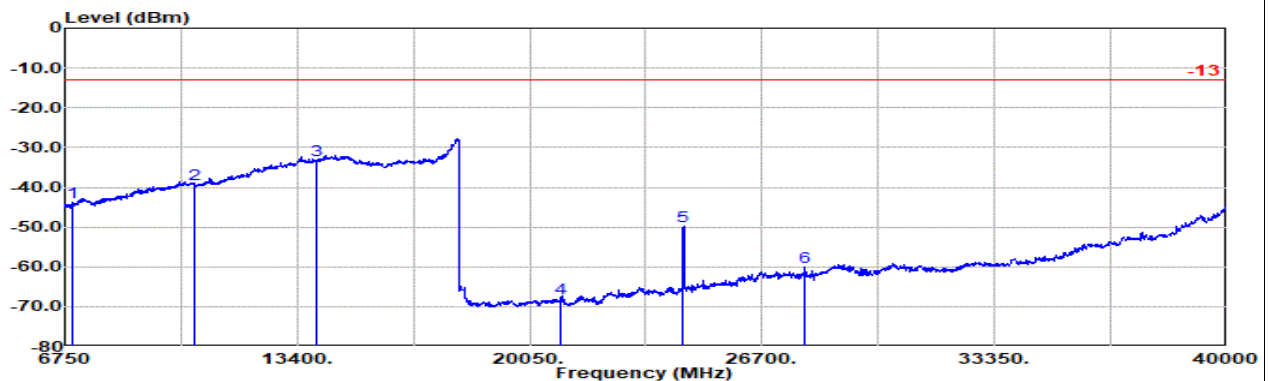
EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch633334 1RB1 BPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch633334 1RB1 BPSK

1	Freq MHz	Level dBm	Detector	Ant Factor	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	6983.00	-42.61	RMS	36.07	-21.28	0.92	-95.23	-95.23	36.91	-13.00	-29.61	Horizontal
2	10474.00	-39.09	RMS	38.85	-18.28	0.25	-95.23	-95.23	35.32	-13.00	-26.09	Horizontal
3	13965.00	-33.52	RMS	40.66	-13.38	0.46	-95.23	-95.23	33.97	-13.00	-20.52	Horizontal
4	20947.00	-67.64	RMS	38.09	-30.29	-9.54	-95.23	-95.23	29.33	-13.00	-54.64	Horizontal
5	24438.00	-53.42	RMS	39.00	-27.34	-9.54	-95.23	-95.23	39.69	-13.00	-40.42	Horizontal
6	27930.00	-61.72	RMS	39.70	-25.45	-9.54	-95.23	-95.23	28.80	-13.00	-48.72	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch633334 1RB1 BPSK

1	Freq MHz	Level dBm	Detector	Ant Factor	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
					dB/m	dB						
1	6983.00	-43.89	RMS	36.07	-21.28	0.92	-95.23	-95.23	35.63	-13.00	-30.89	Vertical
2	10474.00	-39.30	RMS	38.85	-18.28	0.25	-95.23	-95.23	35.11	-13.00	-26.30	Vertical
3	13965.00	-33.26	RMS	40.66	-13.38	0.46	-95.23	-95.23	34.23	-13.00	-20.26	Vertical
4	20947.00	-67.79	RMS	38.09	-30.29	-9.54	-95.23	-95.23	29.18	-13.00	-54.79	Vertical
5	24438.00	-49.91	RMS	39.00	-27.34	-9.54	-95.23	-95.23	43.20	-13.00	-36.91	Vertical
6	27930.00	-59.92	RMS	39.70	-25.45	-9.54	-95.23	-95.23	30.60	-13.00	-46.92	Vertical

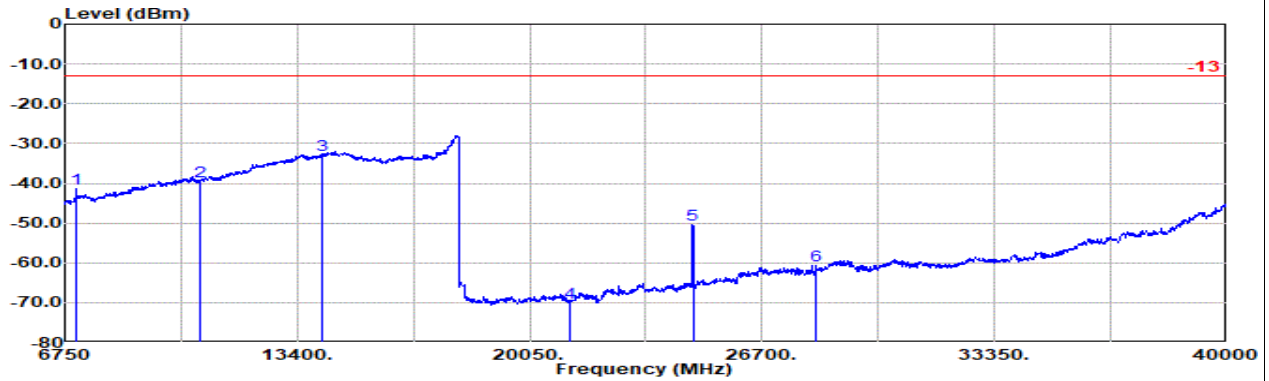


Ant. 0 + Ant. 4

Part 27Q Mode 6

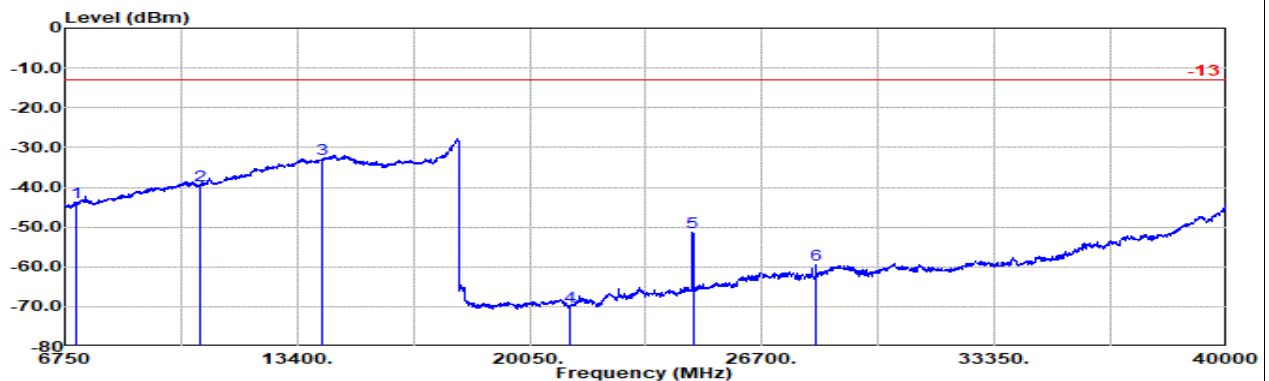
EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch636000 1RB1 BPSK

H



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch636000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	7063.00	-41.39	RMS	36.35	-21.28	0.91	-95.23	37.86	-13.00	-28.39	Horizontal
2	10594.00	-39.43	RMS	39.18	-18.13	0.26	-95.23	34.49	-13.00	-26.43	Horizontal
3	14125.00	-33.01	RMS	40.90	-13.36	0.45	-95.23	34.23	-13.00	-20.01	Horizontal
4	21187.00	-70.01	RMS	37.83	-30.10	-9.54	-95.23	27.03	-13.00	-57.01	Horizontal
5	24718.00	-50.51	RMS	39.23	-27.04	-9.54	-95.23	42.07	-13.00	-37.51	Horizontal
6	28250.00	-60.59	RMS	40.00	-25.56	-9.54	-95.23	29.74	-13.00	-47.59	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch636000 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin g	Limit	Margin	Pol
				Factor	1						
1	7063.00	-43.73	RMS	36.35	-21.28	0.91	-95.23	35.52	-13.00	-30.73	Vertical
2	10594.00	-39.44	RMS	39.18	-18.13	0.26	-95.23	34.48	-13.00	-26.44	Vertical
3	14125.00	-32.84	RMS	40.90	-13.36	0.45	-95.23	34.40	-13.00	-19.84	Vertical
4	21187.00	-70.15	RMS	37.83	-30.10	-9.54	-95.23	26.89	-13.00	-57.15	Vertical
5	24718.00	-51.32	RMS	39.23	-27.04	-9.54	-95.23	41.26	-13.00	-38.32	Vertical
6	28250.00	-59.40	RMS	40.00	-25.56	-9.54	-95.23	30.93	-13.00	-46.40	Vertical

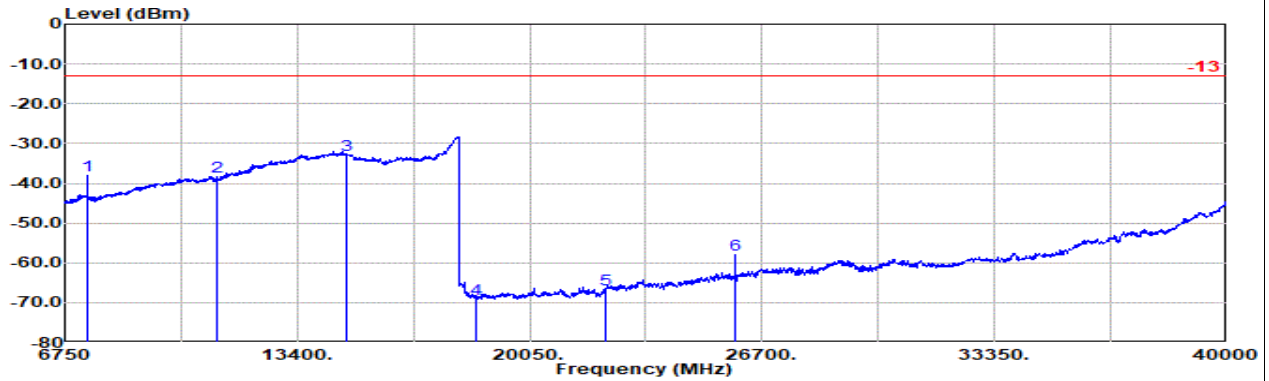


Ant. 0 + Ant. 4

Part 270 Mode 7

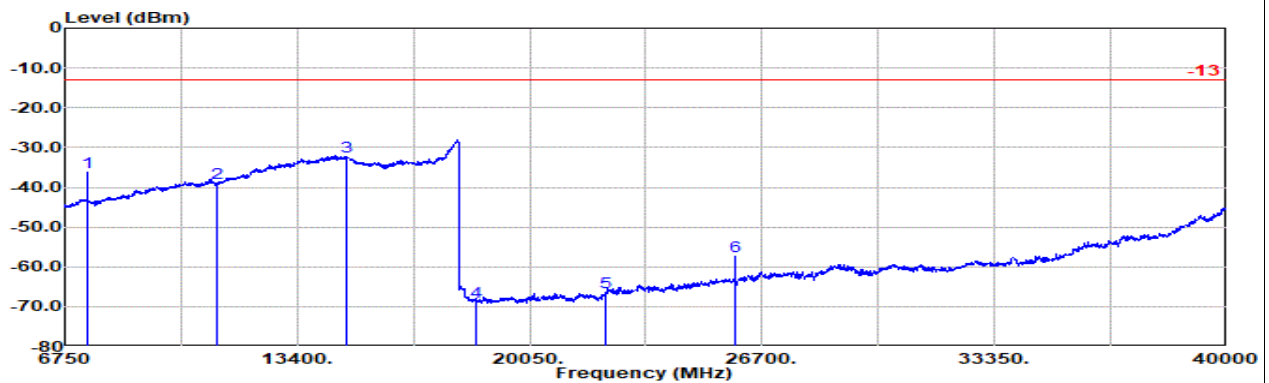
EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch647334 1RB1 BPSK

L



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch647334 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm				dB	dB	dBuV	dBm	dB	
1	7403.00	-37.91 RMS	36.70	-20.78	0.82	-95.23	40.58	-13.00	-24.91	Horizontal
2	11104.00	-38.47 RMS	39.01	-17.35	0.28	-95.23	34.82	-13.00	-25.47	Horizontal
3	14805.00	-32.79 RMS	40.59	-13.59	0.42	-95.23	35.02	-13.00	-19.79	Horizontal
4	18506.00	-69.12 RMS	37.72	-32.25	-9.54	-95.23	30.18	-13.00	-56.12	Horizontal
5	22207.00	-66.79 RMS	38.20	-29.30	-9.54	-95.23	29.08	-13.00	-53.79	Horizontal
6	25908.00	-58.09 RMS	38.98	-25.78	-9.54	-95.23	33.48	-13.00	-45.09	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch647334 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter 1	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm				dB	dB	dBuV	dBm	dB	
1	7403.00	-36.29 RMS	36.70	-20.78	0.82	-95.23	42.20	-13.00	-23.29	Vertical
2	11104.00	-38.98 RMS	39.01	-17.35	0.28	-95.23	34.31	-13.00	-25.98	Vertical
3	14805.00	-32.32 RMS	40.59	-13.59	0.42	-95.23	35.49	-13.00	-19.32	Vertical
4	18506.00	-68.89 RMS	37.72	-32.25	-9.54	-95.23	30.41	-13.00	-55.89	Vertical
5	22207.00	-66.34 RMS	38.20	-29.30	-9.54	-95.23	29.53	-13.00	-53.34	Vertical
6	25908.00	-57.47 RMS	38.98	-25.78	-9.54	-95.23	34.10	-13.00	-44.47	Vertical

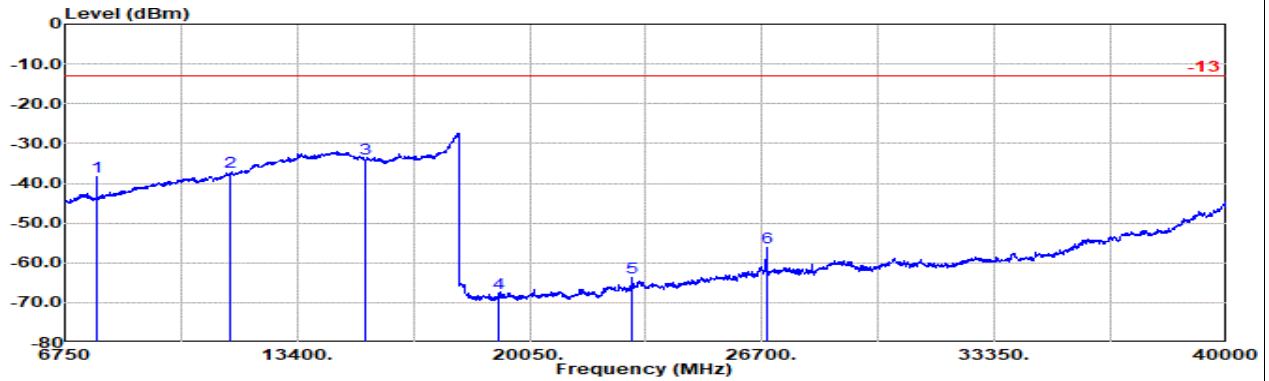


Ant. 0 + Ant. 4

Part 270 Mode 7

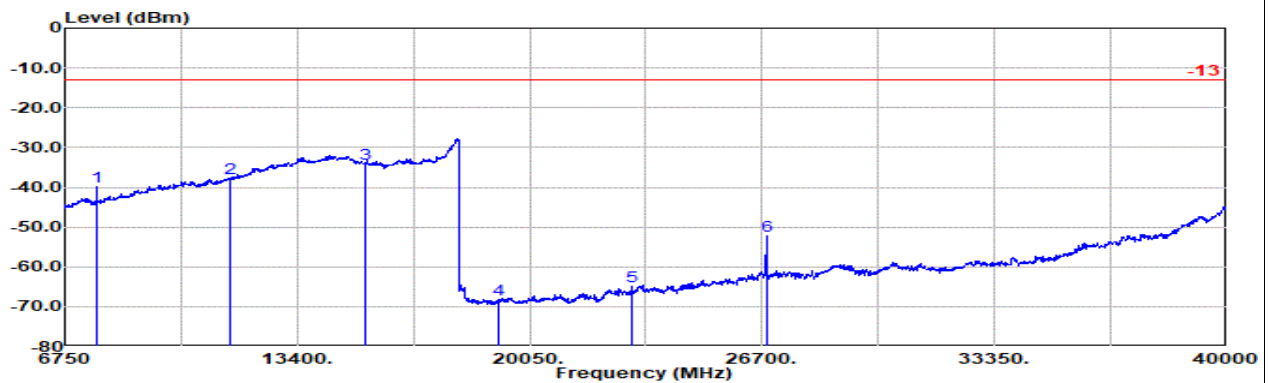
EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch656000 1RB1 BPSK

M



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Horizontal
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch656000 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	7663.00	-38.27 RMS	36.55	-20.93	0.55	-95.23	40.79	-13.00	-25.27	Horizontal
2	11494.00	-37.03 RMS	39.29	-16.77	0.30	-95.23	35.38	-13.00	-24.03	Horizontal
3	15325.00	-33.94 RMS	38.85	-13.77	0.39	-95.23	35.82	-13.00	-20.94	Horizontal
4	19156.00	-67.69 RMS	37.80	-31.45	-9.54	-95.23	30.73	-13.00	-54.69	Horizontal
5	22987.00	-63.70 RMS	38.73	-28.41	-9.54	-95.23	30.75	-13.00	-50.70	Horizontal
6	26818.00	-56.22 RMS	40.09	-25.57	-9.54	-95.23	34.03	-13.00	-43.22	Horizontal



Site : 03CH12-HY
Condition: -13 1m SHF_00993_231124 Vertical
: LTE Band 30 10M Ch27710 1RB0 QPSK
: NR Band 77 20M Ch656000 1RB1 BPSK

Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Readin g	Limit	Margin	Pol
MHz	dBm									
1	7663.00	-39.97 RMS	36.55	-20.93	0.55	-95.23	39.09	-13.00	-26.97	Vertical
2	11494.00	-37.75 RMS	39.29	-16.77	0.30	-95.23	34.66	-13.00	-24.75	Vertical
3	15325.00	-34.08 RMS	38.85	-13.77	0.39	-95.23	35.68	-13.00	-21.08	Vertical
4	19156.00	-68.35 RMS	37.80	-31.45	-9.54	-95.23	30.07	-13.00	-55.35	Vertical
5	22987.00	-64.96 RMS	38.73	-28.41	-9.54	-95.23	29.49	-13.00	-51.96	Vertical
6	26818.00	-52.13 RMS	40.09	-25.57	-9.54	-95.23	38.12	-13.00	-39.13	Vertical

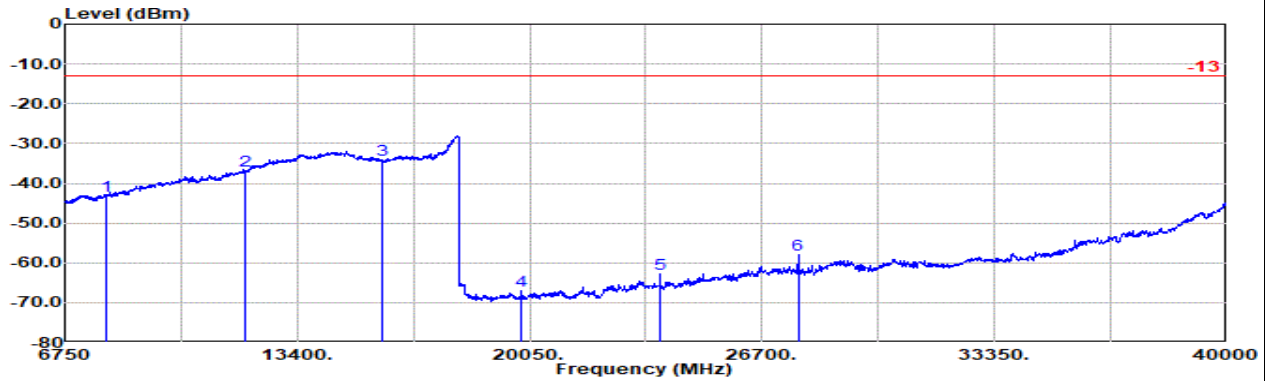


Ant. 0 + Ant. 4

Part 270 Mode 7

EN-DC B30+n77 10M + 20M Ch27710 1RB0 QPSK + Ch664666 1RB1 BPSK

H



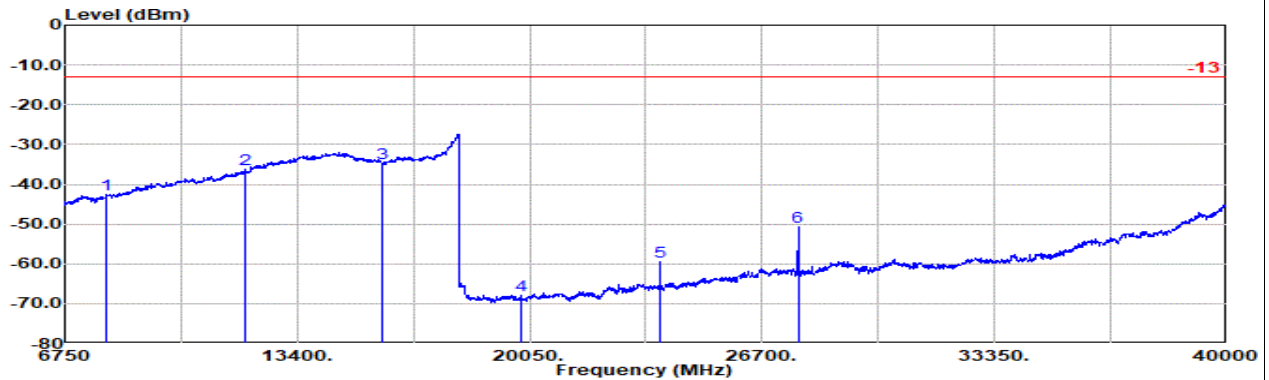
Site : 03CH12-HY

Condition: -13 1m SHF_00993_231124 Horizontal

: LTE Band 30 10M Ch27710 1RB0 QPSK

: NR Band 77 20M Ch664666 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB/m		1	dB				
1	7922.00	-43.10	RMS		37.14	-20.79	0.53	-95.23	35.25	-13.00	-30.10	Horizontal
2	11883.00	-36.98	RMS		38.87	-16.09	0.31	-95.23	35.16	-13.00	-23.98	Horizontal
3	15845.00	-34.25	RMS		37.91	-13.60	0.37	-95.23	36.30	-13.00	-21.25	Horizontal
4	19806.00	-67.06	RMS		37.60	-30.86	-9.54	-95.23	30.97	-13.00	-54.06	Horizontal
5	23767.00	-62.80	RMS		38.57	-28.13	-9.54	-95.23	31.53	-13.00	-49.80	Horizontal
6	27728.00	-57.97	RMS		39.76	-25.10	-9.54	-95.23	32.14	-13.00	-44.97	Horizontal



Site : 03CH12-HY

Condition: -13 1m SHF_00993_231124 Vertical

: LTE Band 30 10M Ch27710 1RB0 QPSK

: NR Band 77 20M Ch664666 1RB1 BPSK

	Freq MHz	Level dBm	Detector	Ant		Filter	EIRPCF		Readin g	Limit	Margin	Pol
				Factor	Amp\Cb dB/m		1	dB				
1	7922.00	-42.62	RMS		37.14	-20.79	0.53	-95.23	35.73	-13.00	-29.62	Vertical
2	11883.00	-36.28	RMS		38.87	-16.09	0.31	-95.23	35.86	-13.00	-23.28	Vertical
3	15845.00	-34.60	RMS		37.91	-13.60	0.37	-95.23	35.95	-13.00	-21.60	Vertical
4	19806.00	-67.93	RMS		37.60	-30.86	-9.54	-95.23	30.10	-13.00	-54.93	Vertical
5	23767.00	-59.45	RMS		38.57	-28.13	-9.54	-95.23	34.88	-13.00	-46.45	Vertical
6	27728.00	-50.61	RMS		39.76	-25.10	-9.54	-95.23	39.50	-13.00	-37.61	Vertical

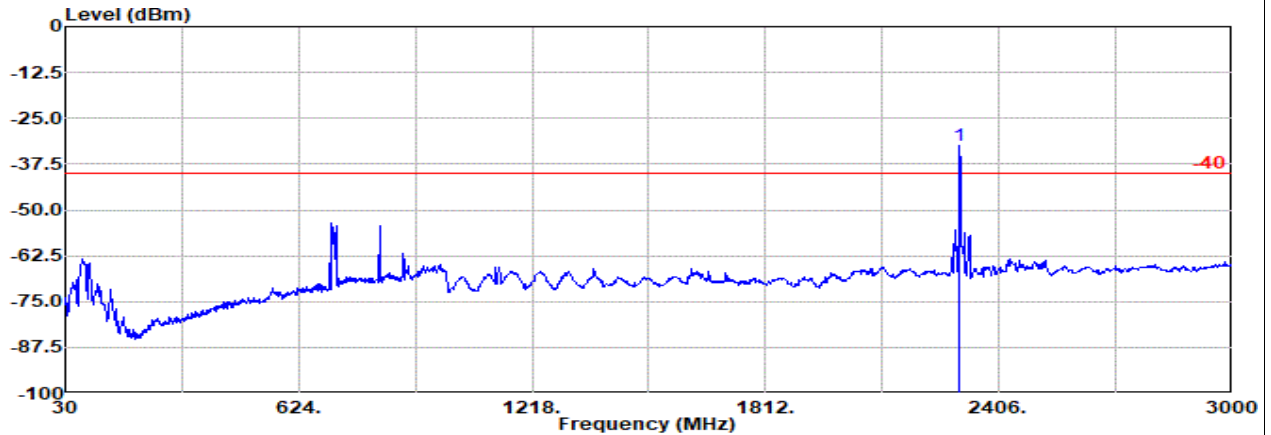


Ant. 0

Part 27D Mode 4

NR SA n30 10M Ch462000 1RB1 BPSK

M



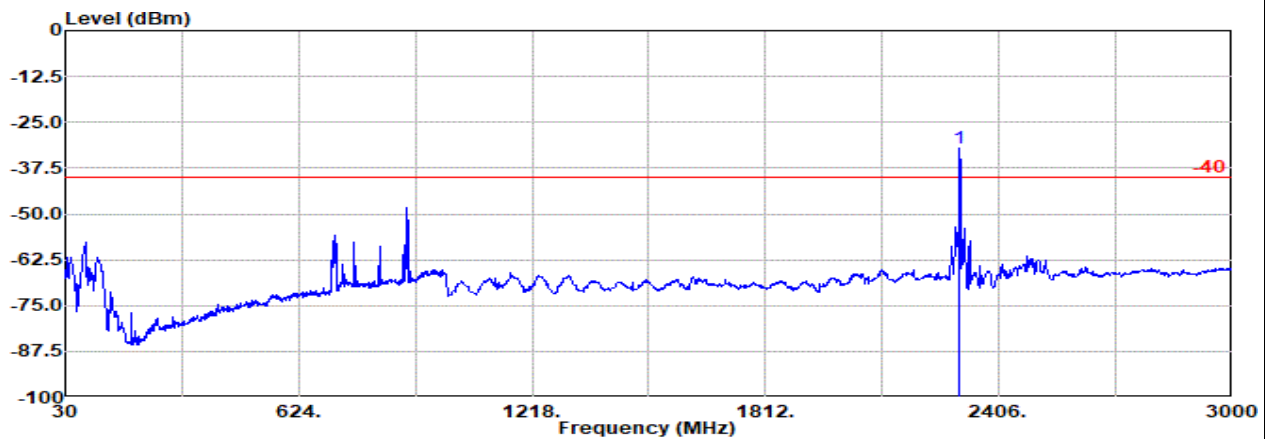
Site : 03CH12-HY

Condition: -40 3m Bilog_37059_20231103 Horizontal

: SA NR n30 BW10M Ch462000 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	2305.77	-32.64	RMS	27.26		-59.82	0.51	-95.23	94.64	-40.00	7.36 Horizontal



Site : 03CH12-HY

Condition: -40 3m Bilog_37059_20231103 Vertical

: SA NR n30 BW10M Ch462000 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	2305.77	-32.21	RMS	27.26		-59.82	0.51	-95.23	95.07	-40.00	7.79 Vertical

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

Appendix C. Setup Photographs

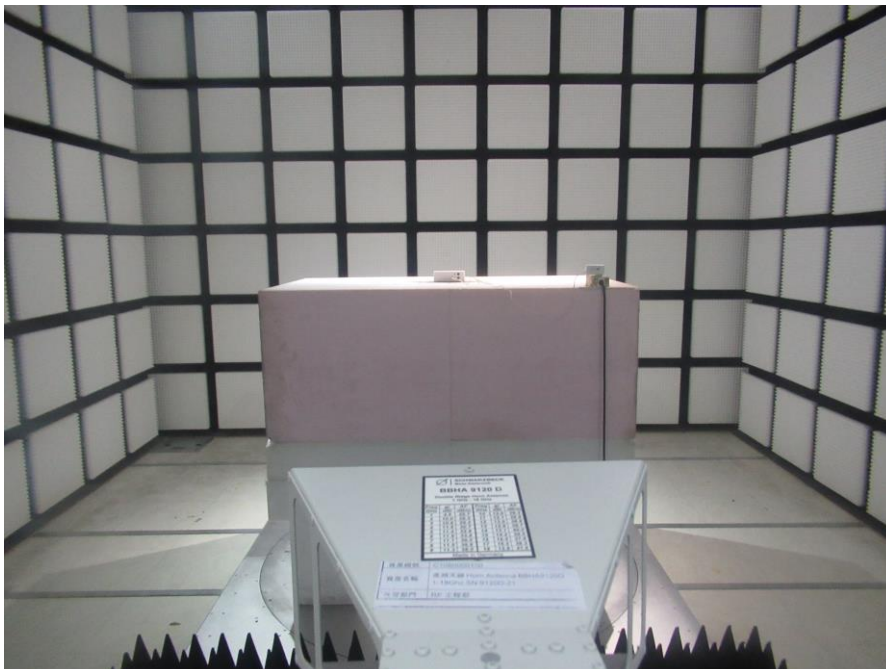
<Radiated Emission>

X Plane

LF



HF



SHF



————THE END————