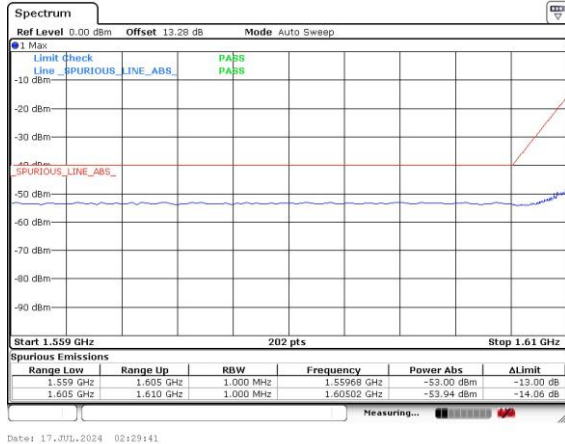




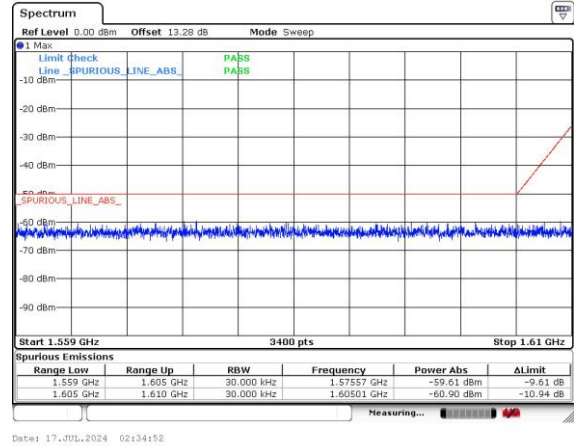
Band 255 SCS 15kHz

BPSK

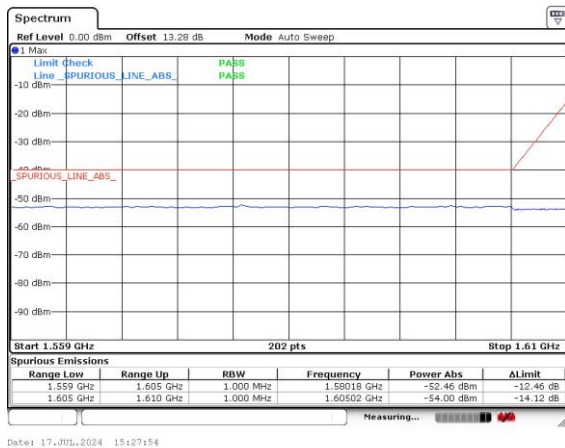
Lowest Channel / 1SC11 Carrier on



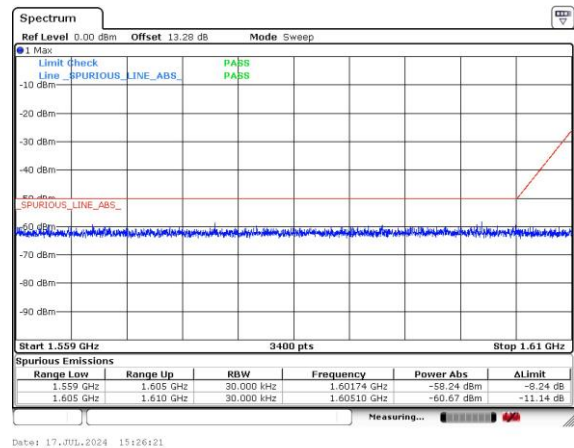
Lowest Channel / 1SC11 Discrete



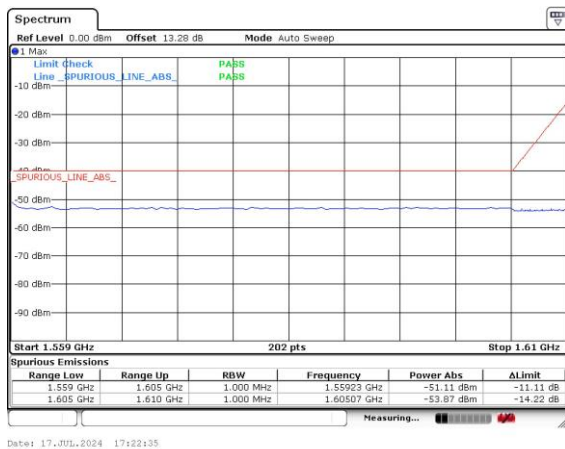
Middle Channel / 1SC11 Carrier on



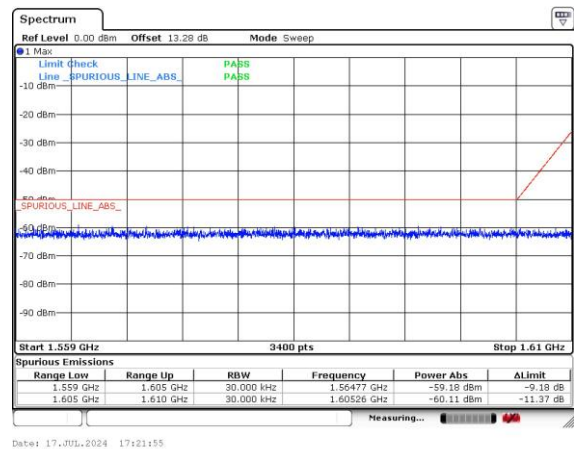
Middle Channel / 1SC11 Discrete



Highest Channel / 1SC11 Carrier on



Highest Channel / 1SC11 Discrete

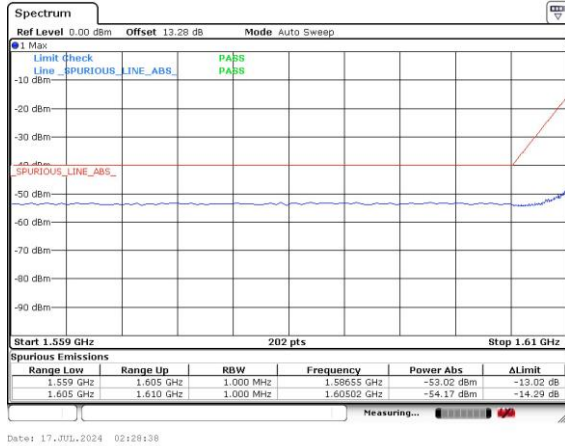




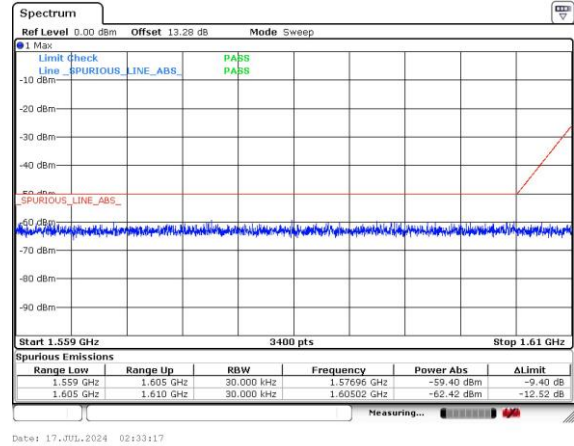
Band 255 SCS 3.75kHz

QPSK

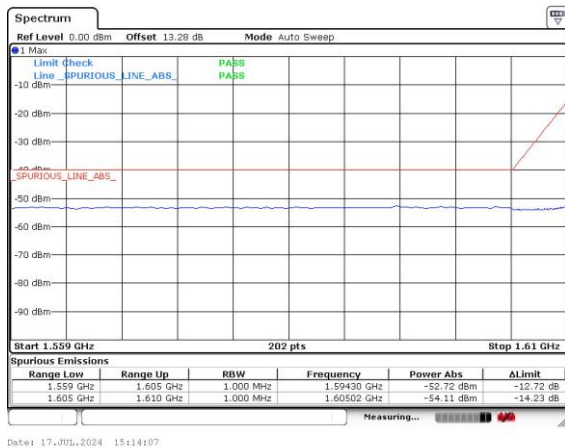
Lowest Channel / 1SC0 Carrier on



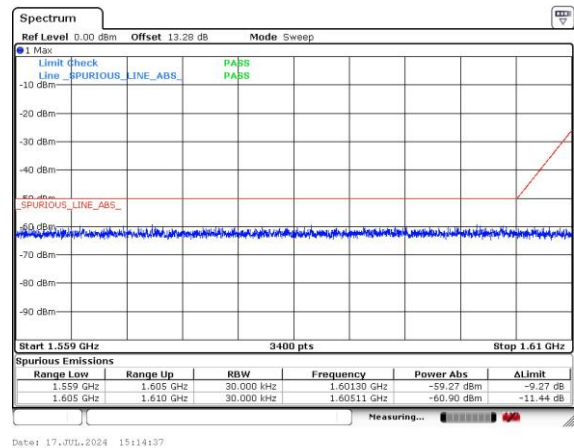
Lowest Channel / 1SC0 Discrete



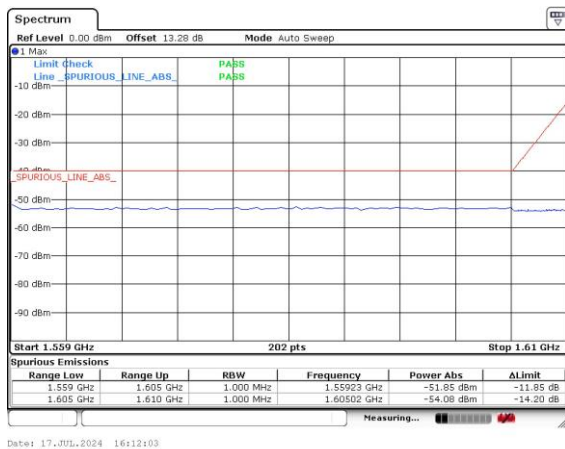
Middle Channel / 1SC0 Carrier on



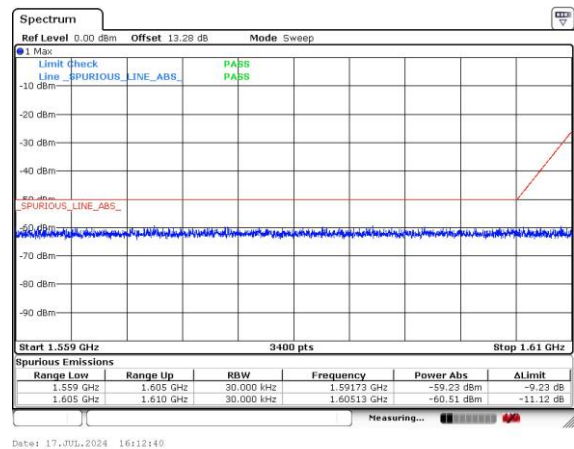
Middle Channel / 1SC0 Discrete



Highest Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Discrete

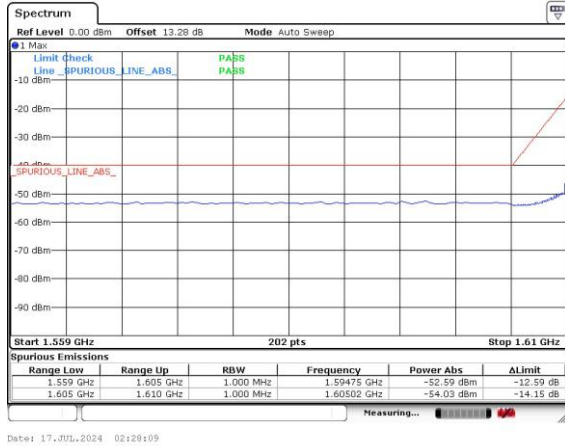




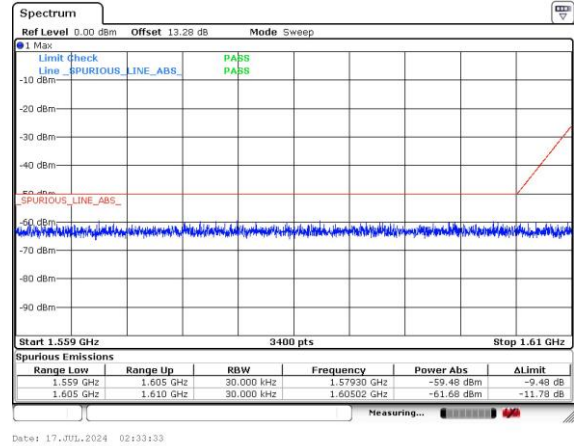
Band 255 SCS 3.75kHz

QPSK

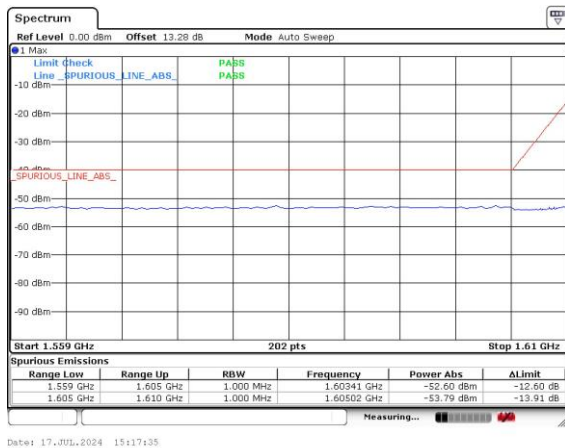
Lowest Channel / 1SC47 Carrier on



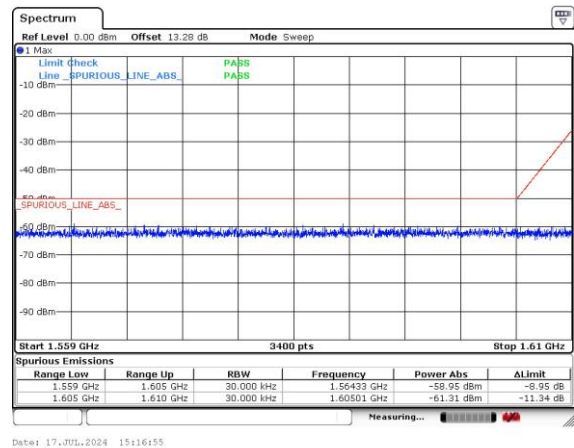
Lowest Channel / 1SC47 Discrete



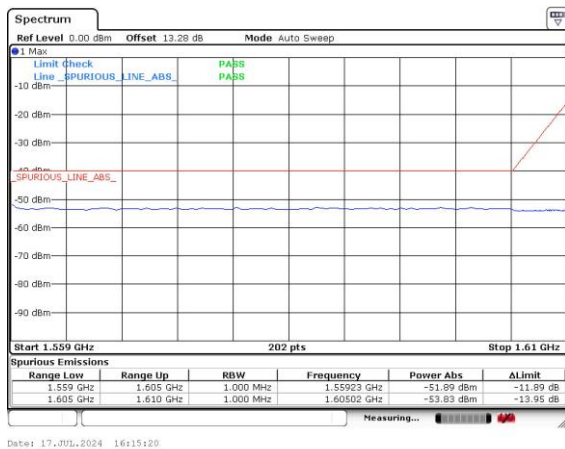
Middle Channel / 1SC47 Carrier on



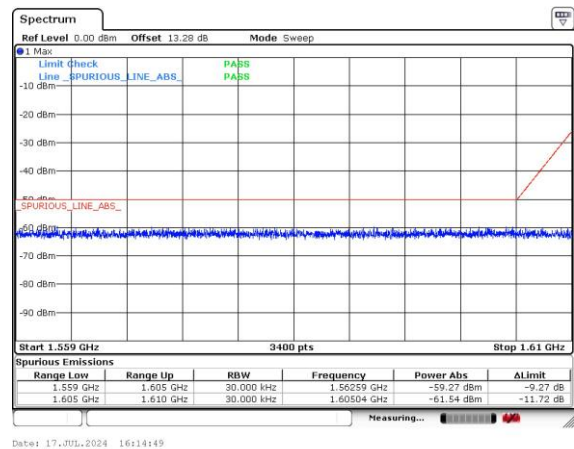
Middle Channel / 1SC47 Discrete



Highest Channel / 1SC47Carrier on



Highest Channel / 1SC47 Discrete

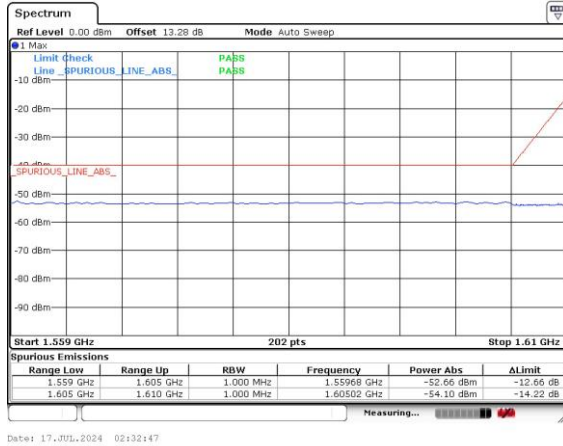




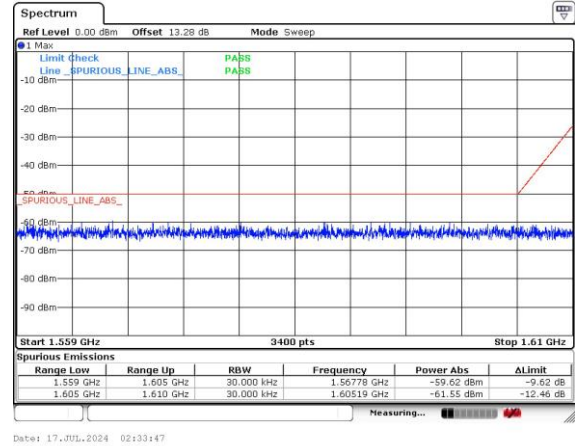
Band 255 SCS 15kHz

QPSK

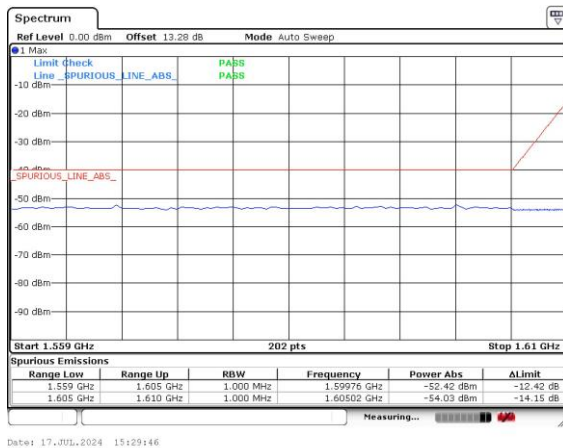
Lowest Channel / 1SC0 Carrier on



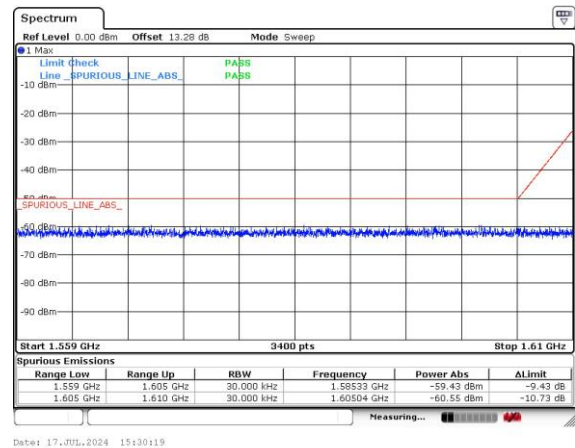
Lowest Channel / 1SC0 Discrete



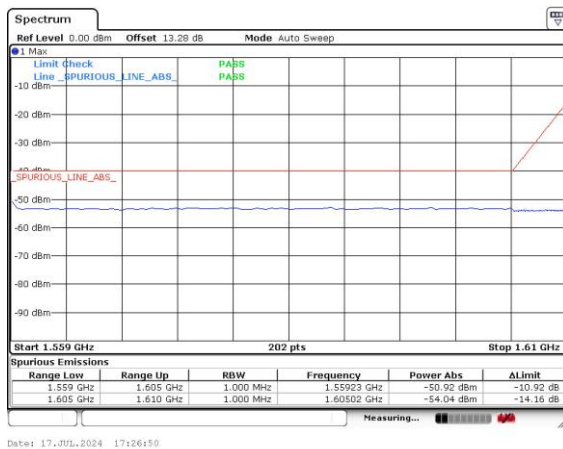
Middle Channel / 1SC0 Carrier on



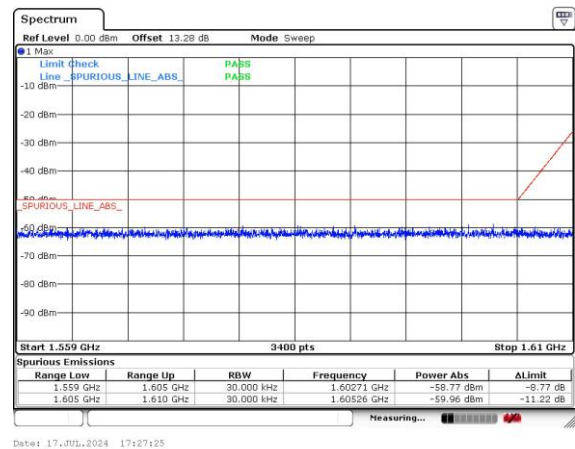
Middle Channel / 1SC0 Discrete



Highest Channel / 1SC0 Carrier on



Highest Channel / 1SC0 Discrete

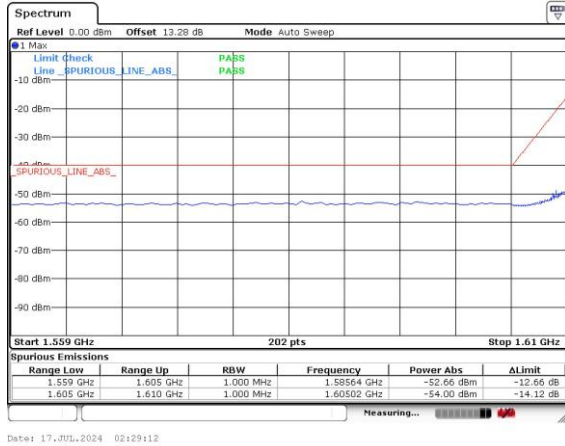




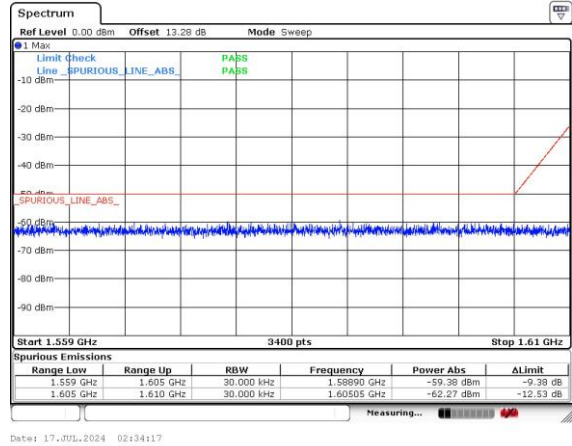
Band 255 SCS 15kHz

QPSK

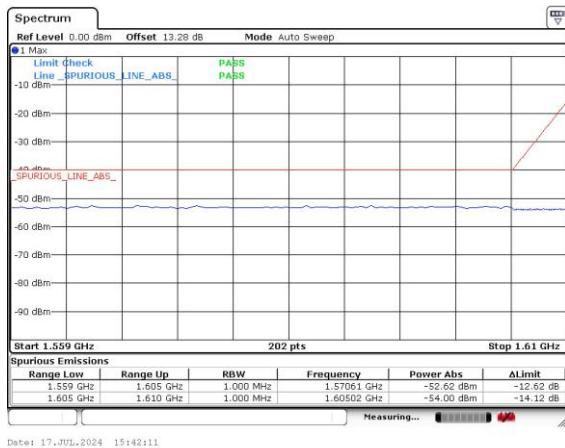
Lowest Channel / 1SC11 Carrier on



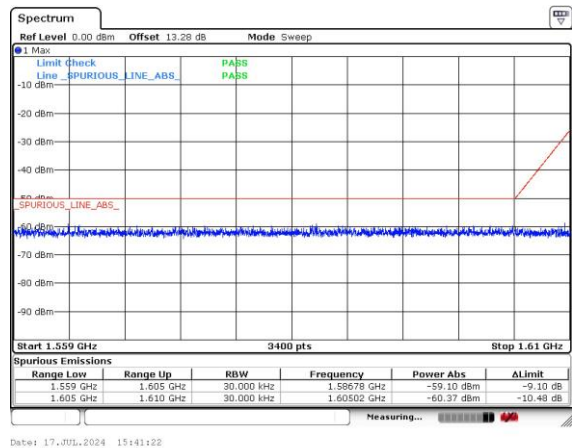
Lowest Channel / 1SC11 Discrete



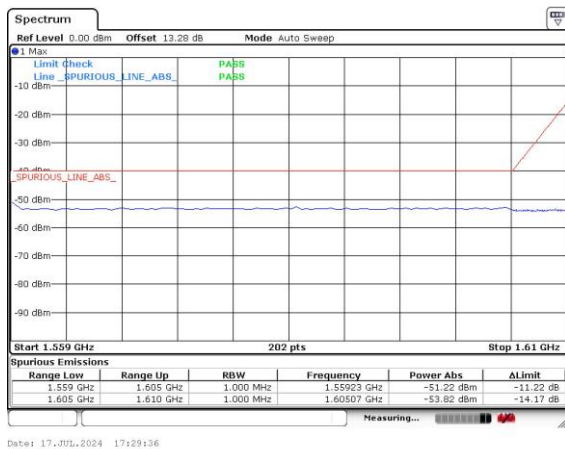
Middle Channel / 1SC11 Carrier on



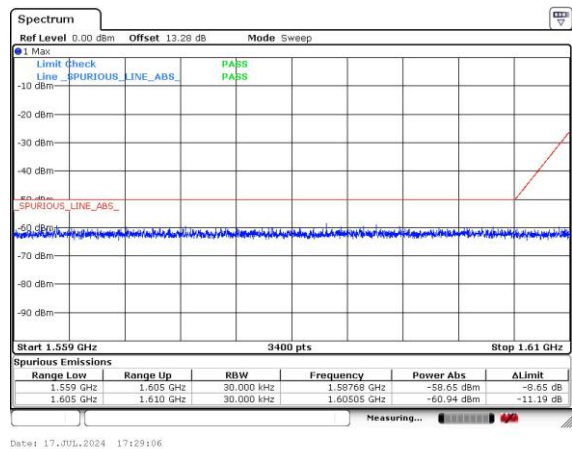
Middle Channel / 1SC11 Discrete



Highest Channel / 1SC11 Carrier on



Highest Channel / 1SC11 Discrete

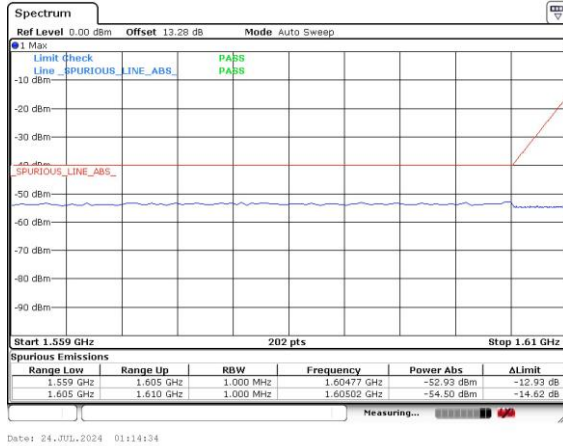




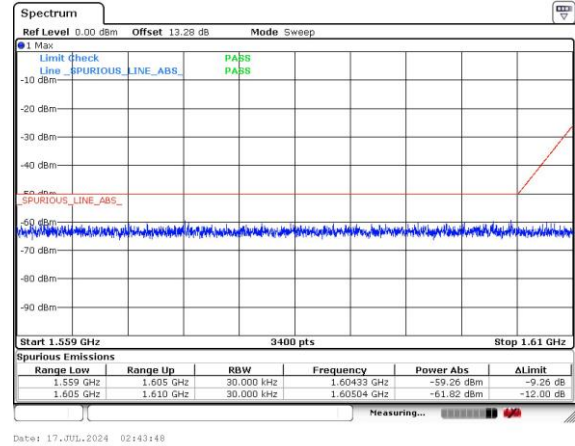
Band 255 SCS 15kHz

QPSK

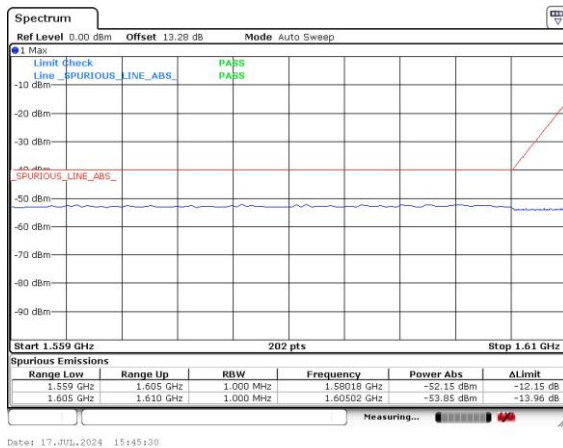
Lowest Channel / 3SC0 Carrier on



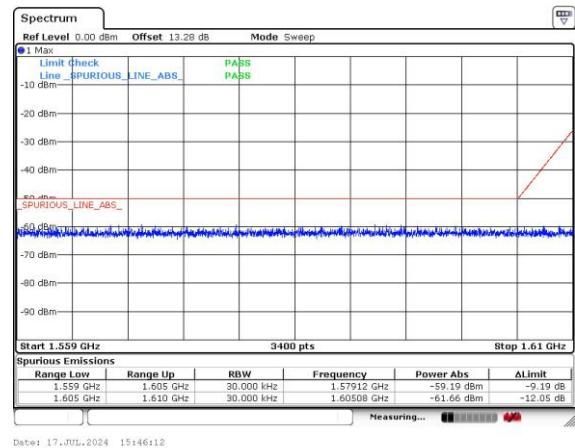
Lowest Channel / 3SC0 Discrete



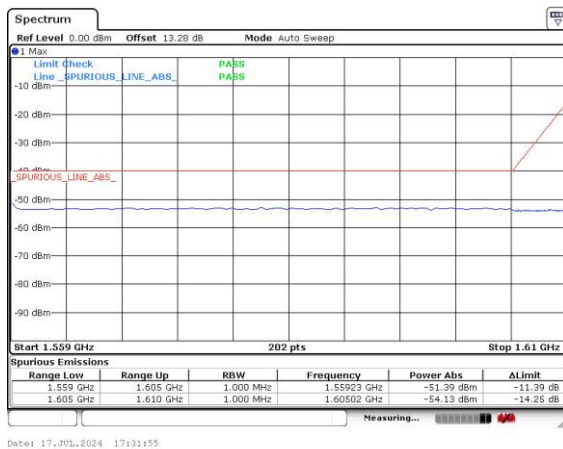
Middle Channel / 3SC0 Carrier on



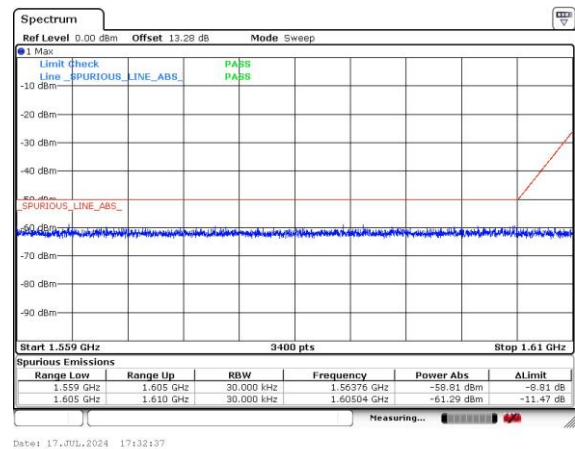
Middle Channel / 3SC0 Discrete



Highest Channel / 3SC0 Carrier on



Highest Channel / 3SC0 Discrete

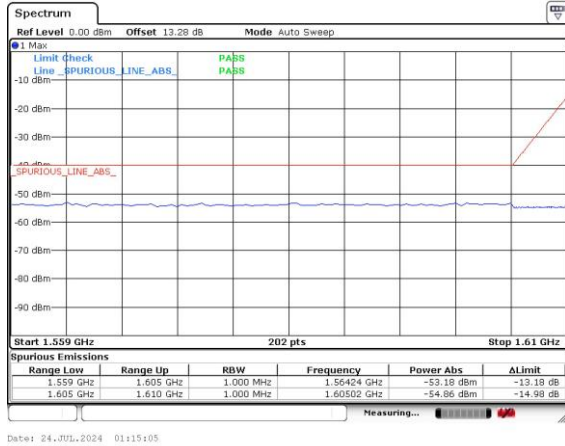




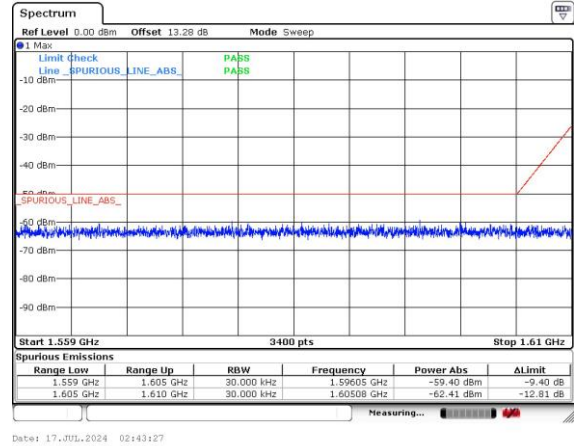
Band 255 SCS 15kHz

QPSK

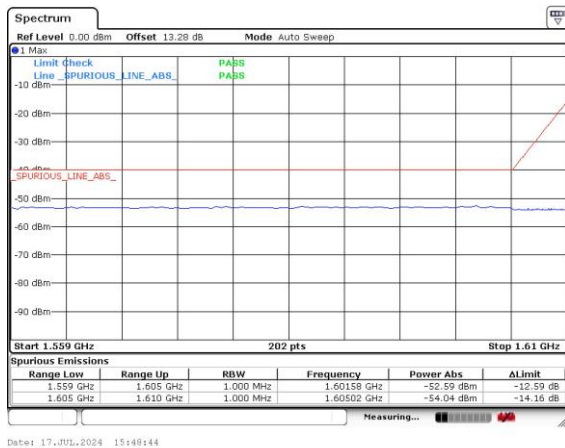
Lowest Channel / 3SC9 Carrier on



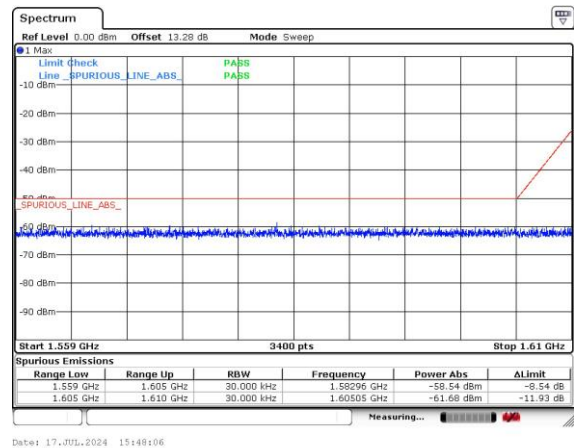
Lowest Channel / 3SC9 Discrete



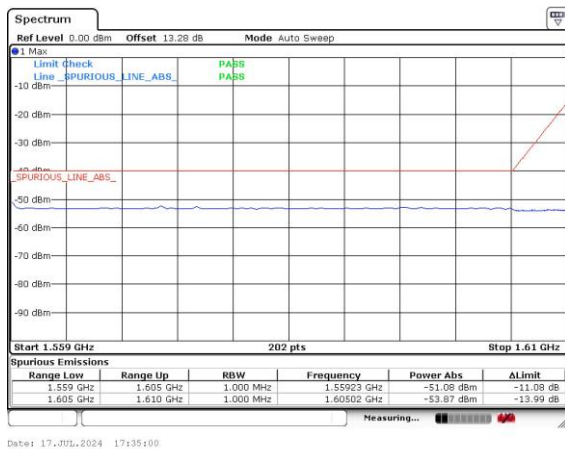
Middle Channel / 3SC9 Carrier on



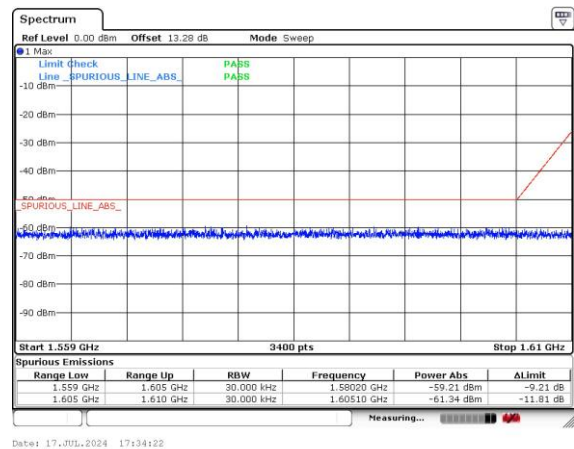
Middle Channel / 3SC9 Discrete



Highest Channel / 3SC9 Carrier on



Highest Channel / 3SC9 Discrete

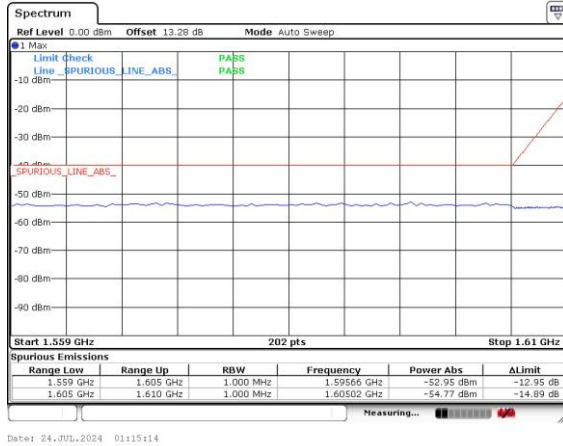




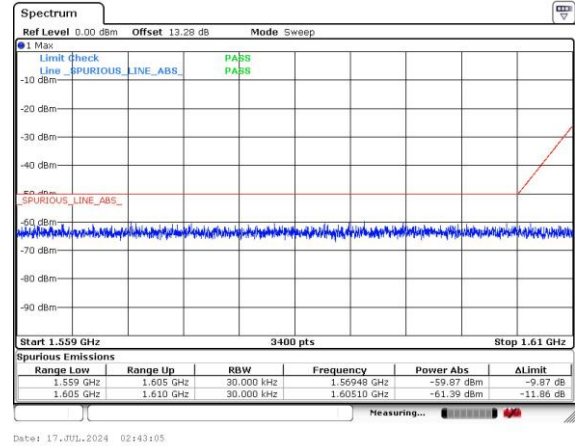
Band 255 SCS 15kHz

QPSK

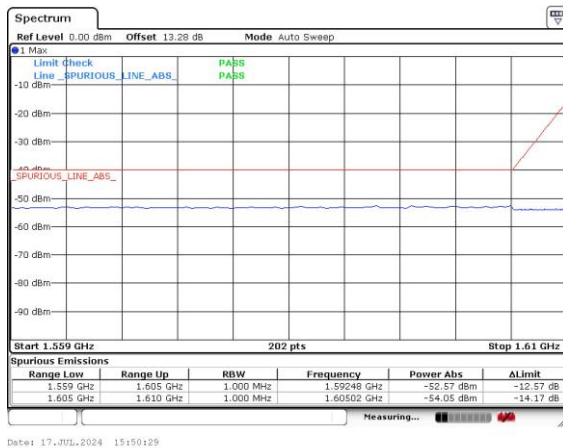
Lowest Channel / 6SC0 Carrier on



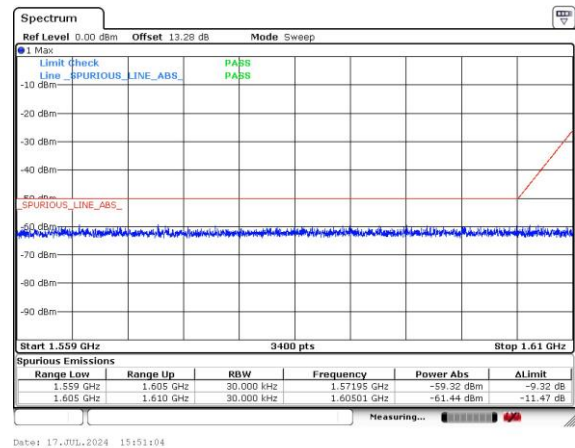
Lowest Channel / 6SC0 Discrete



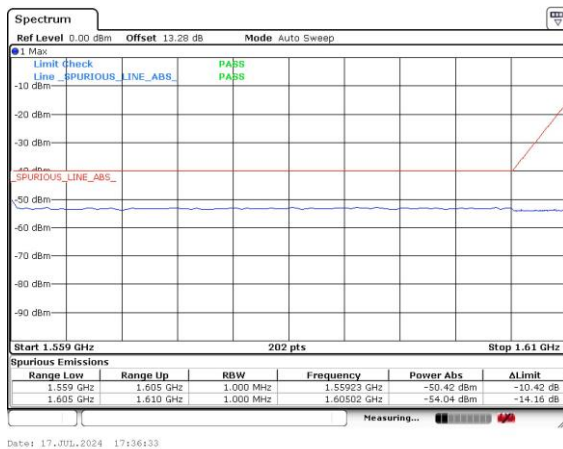
Middle Channel / 6SC0 Carrier on



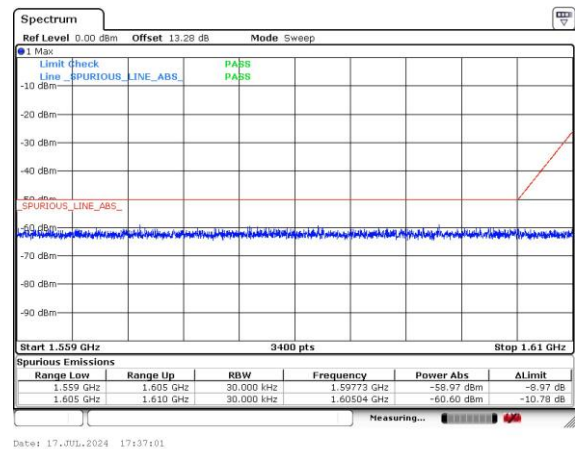
Middle Channel / 6SC0 Discrete



Highest Channel / 6SC0 Carrier on



Highest Channel / 6SC0 Discrete

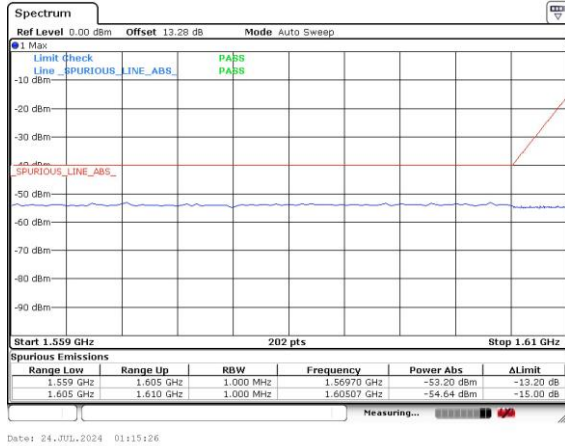




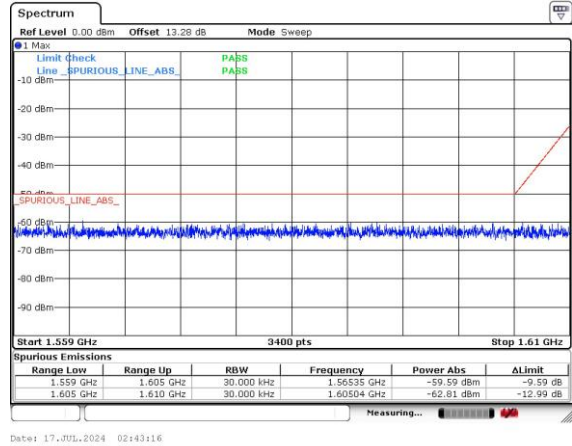
Band 255 SCS 15kHz

QPSK

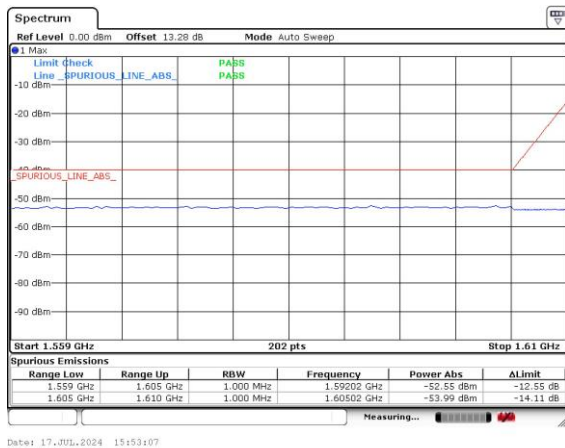
Lowest Channel / 6SC6 Carrier on



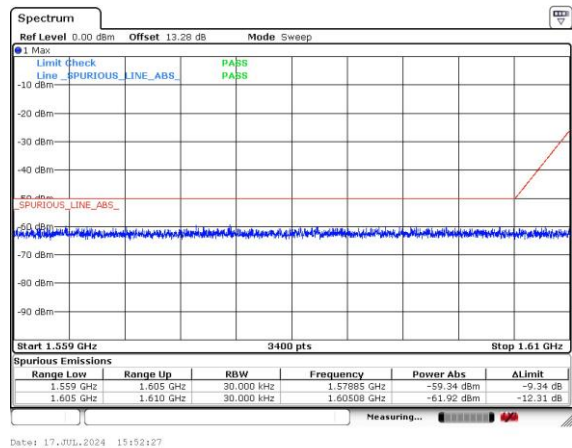
Lowest Channel / 6SC6 Discrete



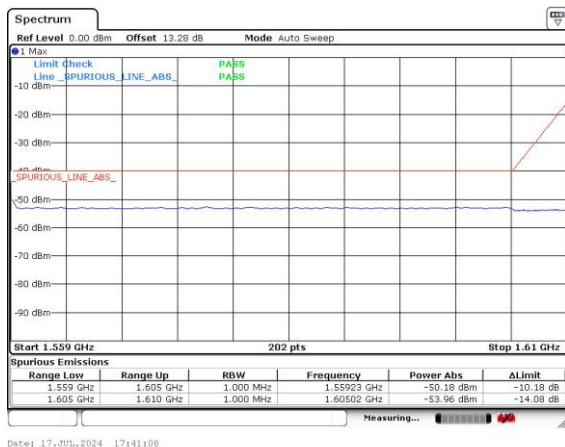
Middle Channel / 6SC6 Carrier on



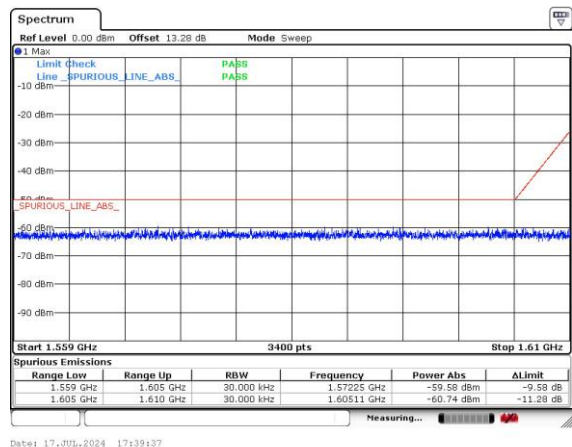
Middle Channel / 6SC6 Discrete



Highest Channel / 6SC6 Carrier on



Highest Channel / 6SC6 Discrete

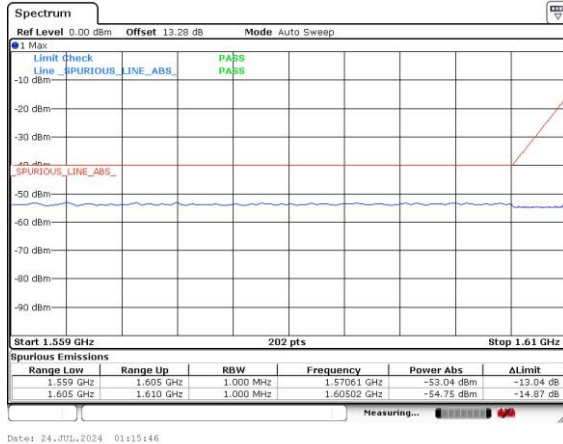




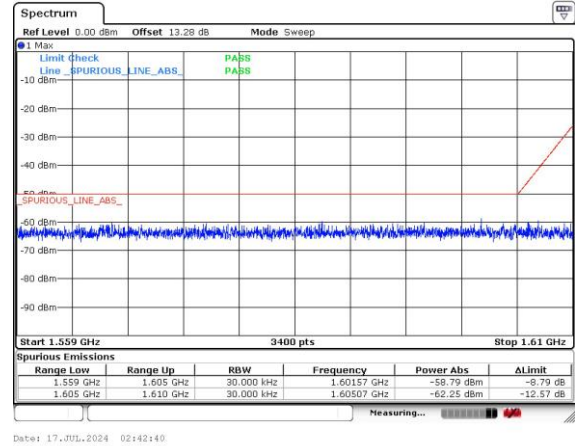
Band 255 SCS 15kHz

QPSK

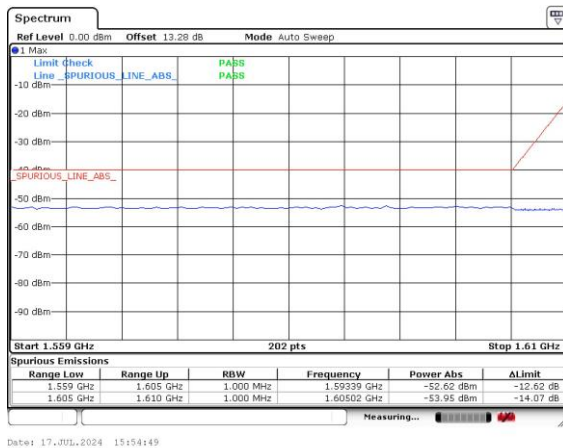
Lowest Channel / 12SC0 Carrier on



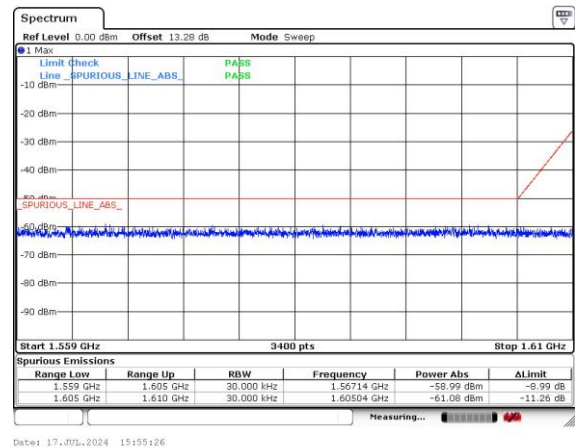
Lowest Channel / 12SC0 Discrete



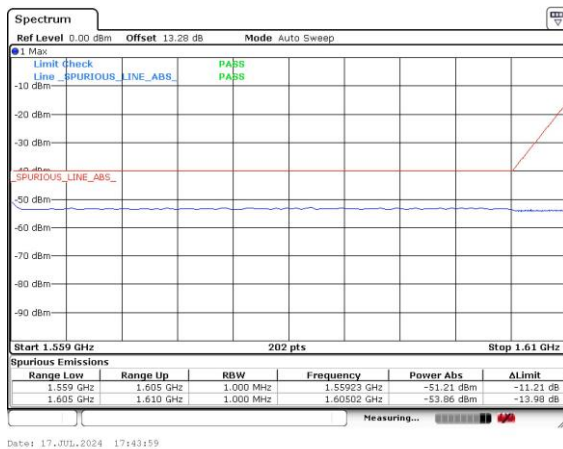
Middle Channel / 12SC0 Carrier on



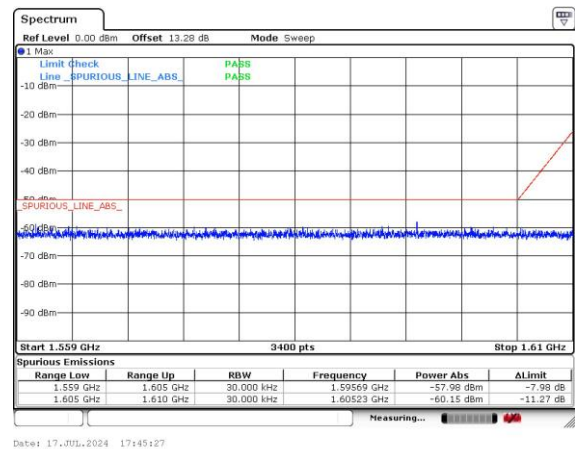
Middle Channel / 12SC0 Discrete



Highest Channel / 12SC0 Carrier on



Highest Channel / 12SC0 Discrete



Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0094	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0076	
0	Normal Voltage	0.0053	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note: Normal Voltage =3.3 V. ; Battery End Point (BEP) =3.0 V. ; Maximum Voltage =3.6 V.



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 25	LTE B23	L	8000	-42.38	RMS	36.80	-16.48	0.42	-95.23	32.11	-13.00	-29.38	V	Ant 1
2	Part 25	LTE B23	M	8040	-42.80	RMS	36.80	-16.40	0.52	-95.23	31.51	-13.00	-29.80	V	Ant 1
3	Part 25	LTE B23	H	8080	-42.84	RMS	36.80	-16.32	0.44	-95.23	31.47	-13.00	-29.84	V	Ant 1
4	Part 25	LTE B255	L	3253	-40.41	RMS	29.60	-20.86	1.12	-95.23	44.96	-13.00	-27.41	H	Ant 1
5	Part 25	LTE B255	M	3287	-36.63	RMS	29.60	-20.80	1.08	-95.23	48.72	-13.00	-23.63	H	Ant 1
6	Part 25	LTE B255	H	3321	-38.84	RMS	29.60	-20.74	1.03	-95.23	46.50	-13.00	-25.84	H	Ant 1

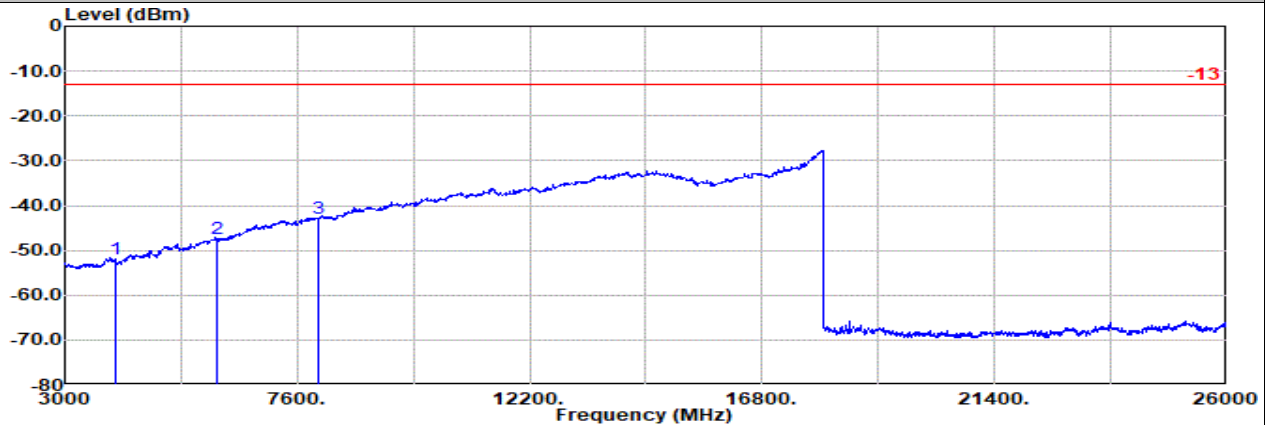


Ant. 1

Part 25 Mode 1

LTE Band 23 200 kHz Ch25501 3.75 kHz 1SC0 BPSK

L

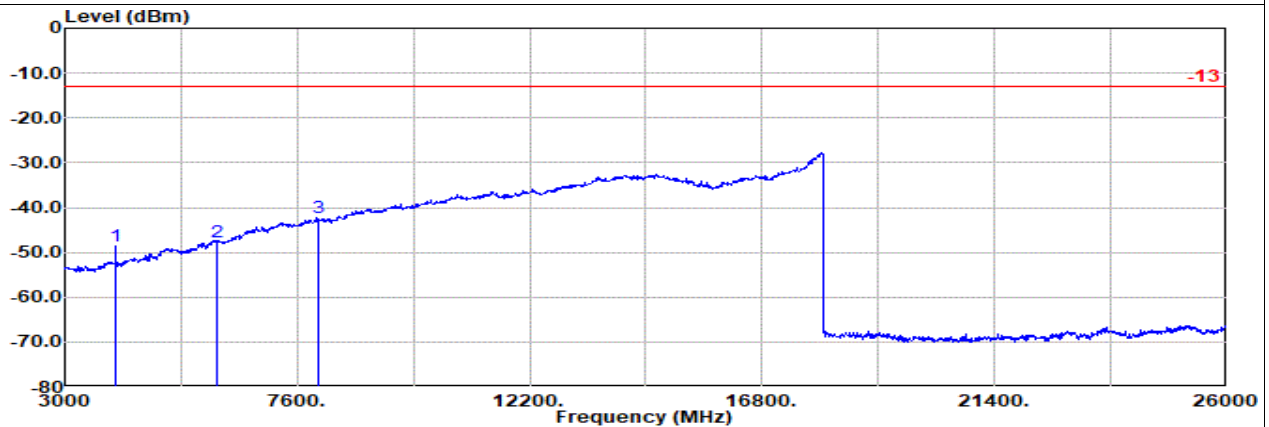


Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Horizontal

: LTE Band 23 200 kHz Ch25501 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4000.00	-51.79	RMS	30.80	-19.75	0.59	-95.23	31.80	-13.00	-38.79	Horizontal			
2	6000.00	-47.38	RMS	34.10	-16.95	0.31	-95.23	30.39	-13.00	-34.38	Horizontal			
3	8000.00	-42.79	RMS	36.80	-16.48	0.42	-95.23	31.70	-13.00	-29.79	Horizontal			



Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Vertical

: LTE Band 23 200 kHz Ch25501 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4000.00	-48.54	RMS	30.80	-19.75	0.59	-95.23	35.05	-13.00	-35.54	Vertical			
2	6000.00	-47.67	RMS	34.10	-16.95	0.31	-95.23	30.10	-13.00	-34.67	Vertical			
3	8000.00	-42.38	RMS	36.80	-16.48	0.42	-95.23	32.11	-13.00	-29.38	Vertical			

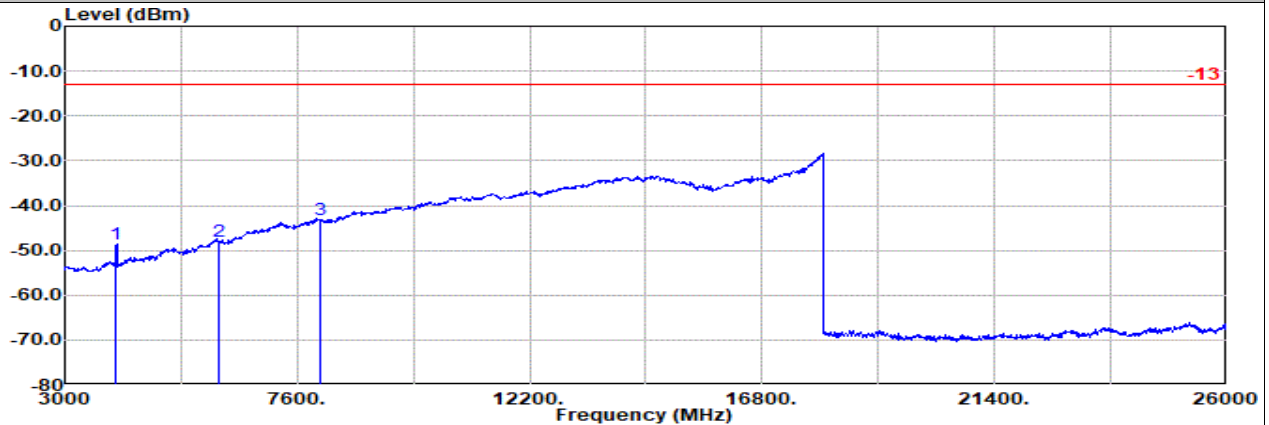


Ant. 1

Part 25 Mode 2

LTE Band 23 200 kHz Ch25600 3.75 kHz 1SC0 BPSK

M

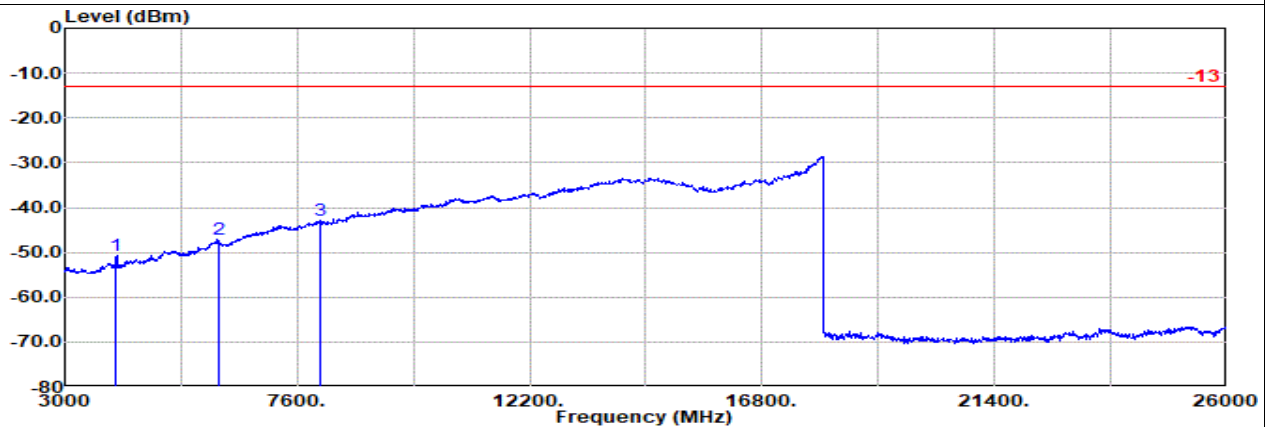


Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Horizontal

: LTE Band 23 200 kHz Ch25600 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4020.00	-48.72	RMS	30.80	-19.71	0.63	-95.23	34.79	-13.00	-35.72	Horizontal			
2	6030.00	-47.90	RMS	34.04	-17.02	0.47	-95.23	29.84	-13.00	-34.90	Horizontal			
3	8040.00	-43.15	RMS	36.80	-16.40	0.52	-95.23	31.16	-13.00	-30.15	Horizontal			



Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Vertical

: LTE Band 23 200 kHz Ch25600 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter 1		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4020.00	-50.58	RMS	30.80	-19.71	0.63	-95.23	32.93	-13.00	-37.58	Vertical			
2	6030.00	-47.01	RMS	34.04	-17.02	0.47	-95.23	30.73	-13.00	-34.01	Vertical			
3	8040.00	-42.80	RMS	36.80	-16.40	0.52	-95.23	31.51	-13.00	-29.80	Vertical			

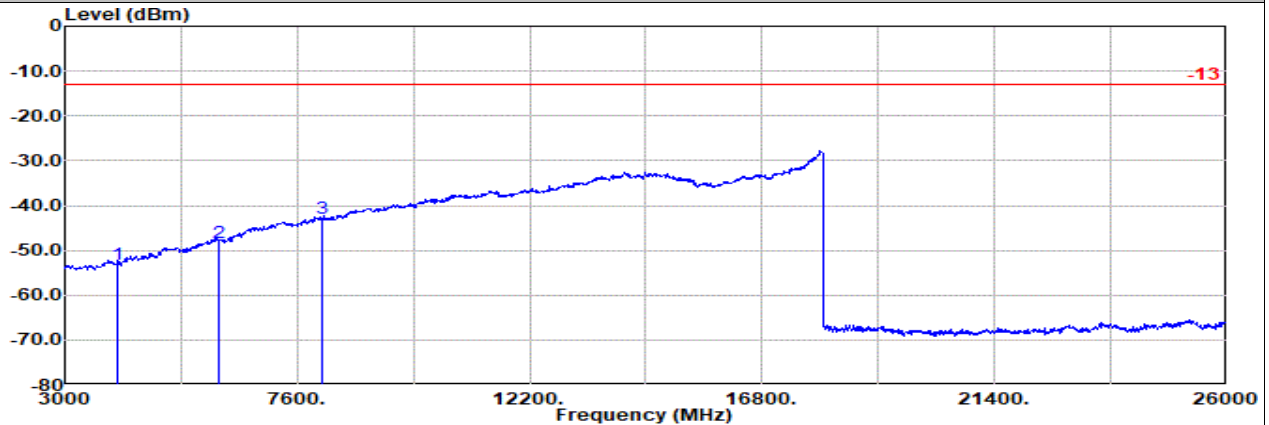


Ant. 1

Part 25 Mode 3

LTE Band 23 200 kHz Ch25699 3.75 kHz 1SC0 BPSK

H

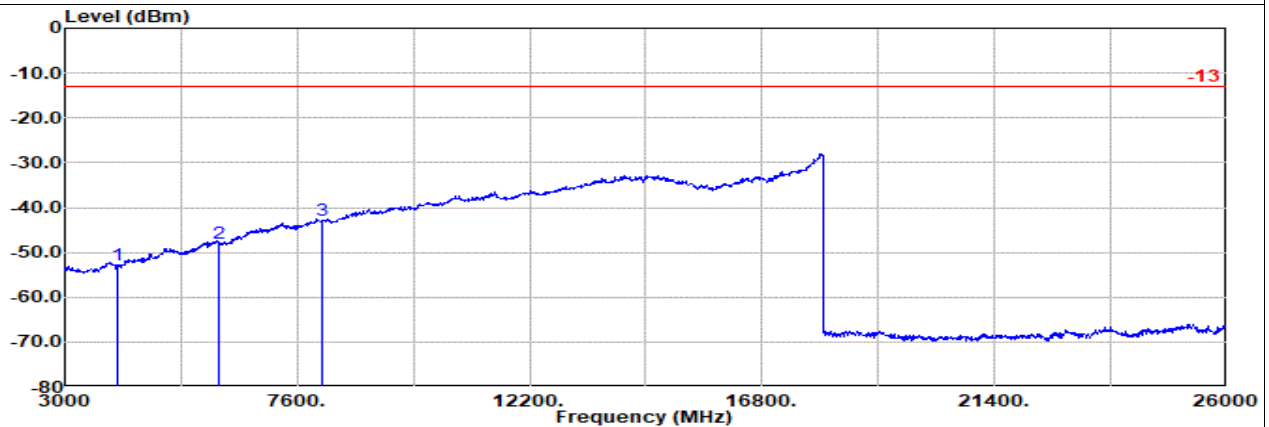


Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Horizontal

: LTE Band 23 200 kHz Ch25699 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4040.00	-53.17	RMS	30.80	-19.68	0.58	-95.23	30.36	-13.00	-40.17	Horizontal			
2	6060.00	-48.37	RMS	34.00	-17.08	0.33	-95.23	29.61	-13.00	-35.37	Horizontal			
3	8080.00	-42.87	RMS	36.80	-16.32	0.44	-95.23	31.44	-13.00	-29.87	Horizontal			



Site : 03CH16-HY

Condition: -13 1m SHF_1223_240624 Vertical

: LTE Band 23 200 kHz Ch25699 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	4040.00	-52.89	RMS	30.80	-19.68	0.58	-95.23	30.64	-13.00	-39.89	Vertical			
2	6060.00	-47.91	RMS	34.00	-17.08	0.33	-95.23	30.07	-13.00	-34.91	Vertical			
3	8080.00	-42.84	RMS	36.80	-16.32	0.44	-95.23	31.47	-13.00	-29.84	Vertical			

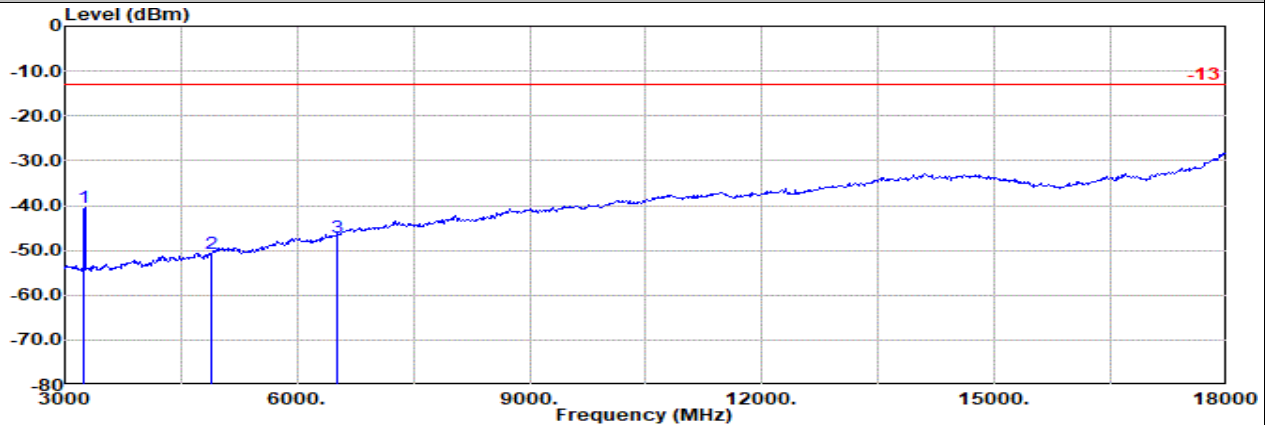


Ant. 1

Part 25 Mode 4

LTE Band 255 200 kHz Ch261505 3.75 kHz 1SC0 BPSK

L

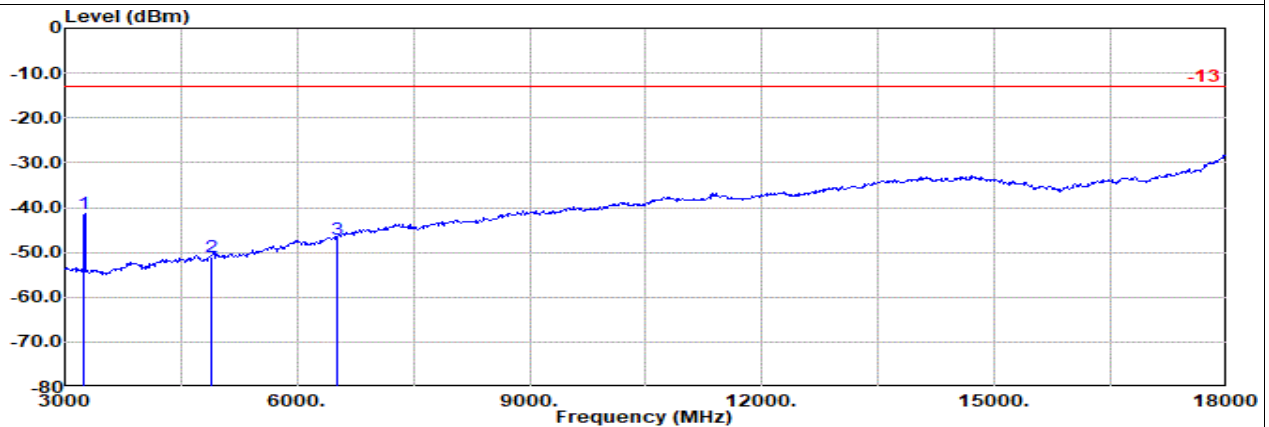


Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 255 200 kHz Ch261505 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3253.00	-40.41	RMS	29.60	-20.86	1.12	-95.23	44.96	-13.00	-27.41	Horizontal			
2	4880.00	-50.60	RMS	32.62	-18.56	0.50	-95.23	30.07	-13.00	-37.60	Horizontal			
3	6506.00	-46.96	RMS	35.14	-17.19	0.53	-95.23	29.79	-13.00	-33.96	Horizontal			



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 255 200 kHz Ch261505 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3253.00	-41.48	RMS	29.60	-20.86	1.12	-95.23	43.89	-13.00	-28.48	Vertical			
2	4880.00	-51.00	RMS	32.62	-18.56	0.50	-95.23	29.67	-13.00	-38.00	Vertical			
3	6506.00	-47.02	RMS	35.14	-17.19	0.53	-95.23	29.73	-13.00	-34.02	Vertical			

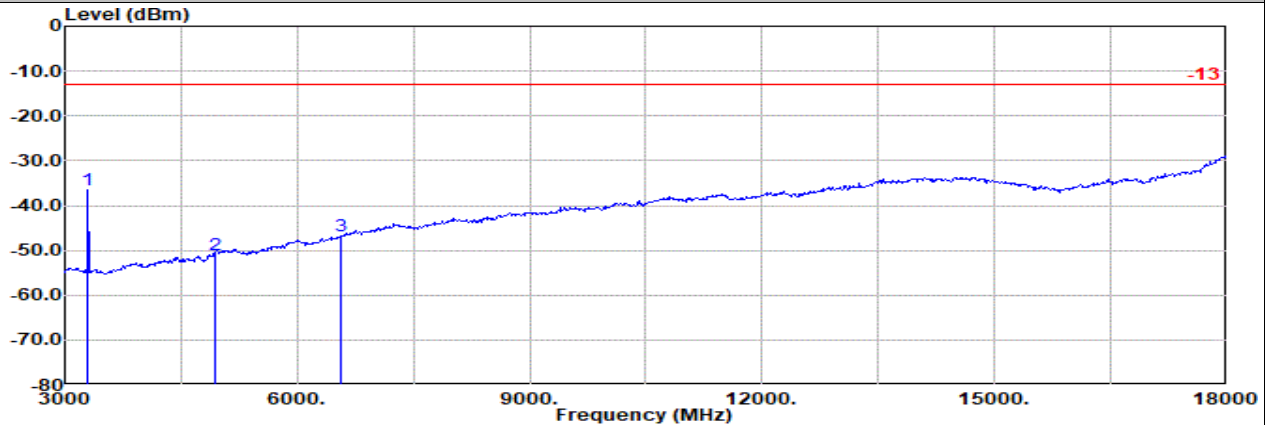


Ant. 1

Part 25 Mode 5

LTE Band 255 200 kHz Ch261674 3.75 kHz 1SC0 BPSK

M

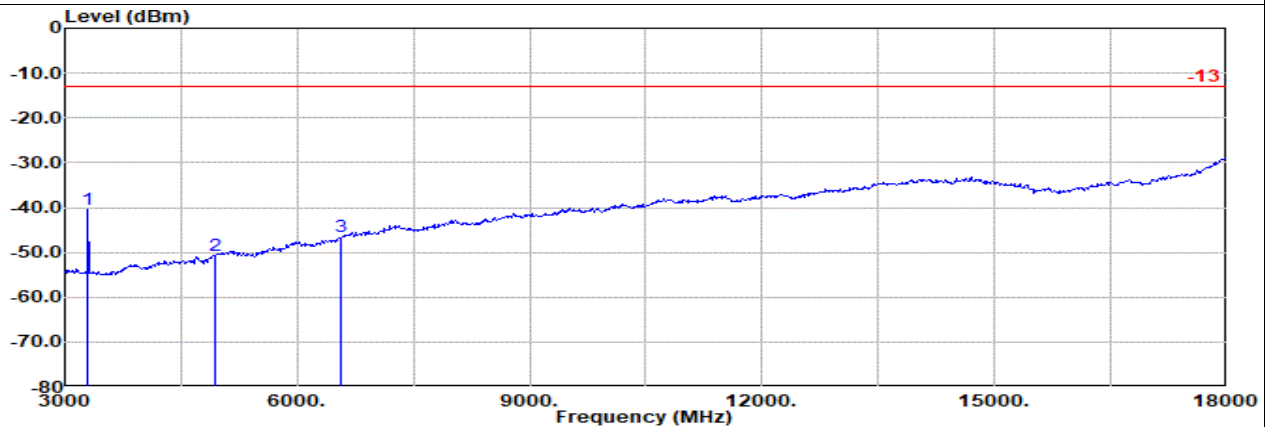


Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 255 200 kHz Ch261674 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3287.00	-36.63	RMS	29.60	-20.80	1.08	-95.23	48.72	-13.00	-23.63	Horizontal			
2	4931.00	-51.03	RMS	32.89	-18.42	0.45	-95.23	29.28	-13.00	-38.03	Horizontal			
3	6574.00	-46.73	RMS	35.59	-17.16	0.38	-95.23	29.69	-13.00	-33.73	Horizontal			



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 255 200 kHz Ch261674 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3287.00	-40.31	RMS	29.60	-20.80	1.08	-95.23	45.04	-13.00	-27.31	Vertical			
2	4931.00	-50.58	RMS	32.89	-18.42	0.45	-95.23	29.73	-13.00	-37.58	Vertical			
3	6574.00	-46.43	RMS	35.59	-17.16	0.38	-95.23	29.99	-13.00	-33.43	Vertical			

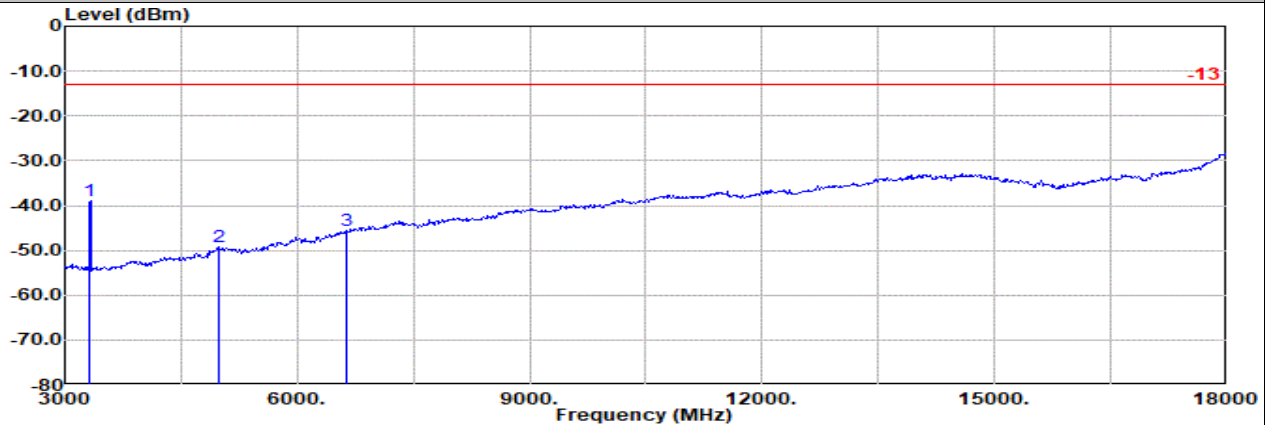


Ant. 1

Part 25 Mode 6

LTE Band 255 200 kHz Ch261843 3.75 kHz 1SC0 BPSK

H

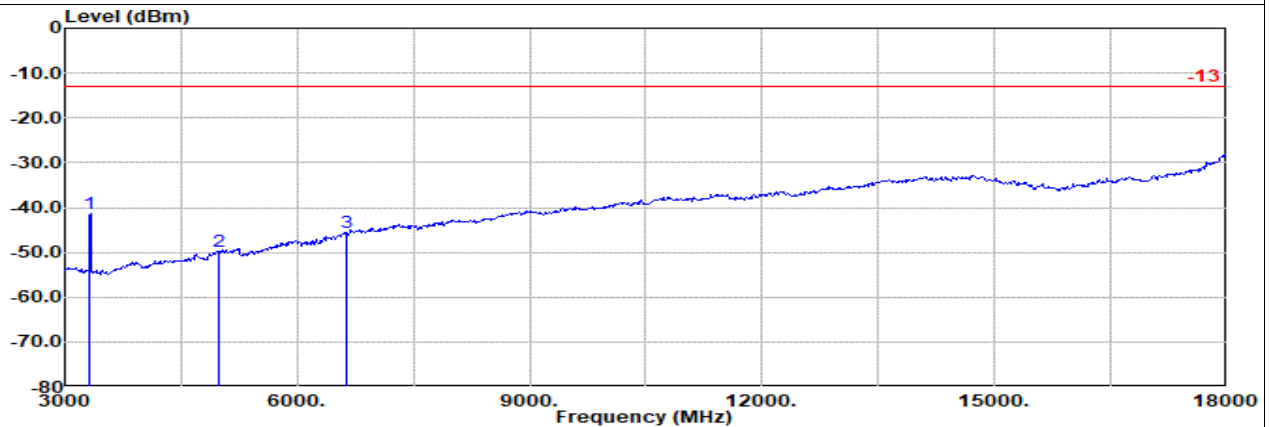


Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 255 200 kHz Ch261843 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3321.00	-38.84	RMS	29.60	-20.74	1.03	-95.23	46.50	-13.00	-25.84	Horizontal			
2	4981.00	-49.31	RMS	33.06	-18.27	0.53	-95.23	30.60	-13.00	-36.31	Horizontal			
3	6642.00	-45.64	RMS	35.80	-17.11	0.48	-95.23	30.42	-13.00	-32.64	Horizontal			



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 255 200 kHz Ch261843 3.75 kHz 1SC0 BPSK

	Freq Level		Detector	Ant Amp\Cb Filter		Factor	Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		dB/m	dB		dB	dB			dBuV	dBm	dB	
1	3321.00	-41.25	RMS	29.60	-20.74	1.03	-95.23	44.09	-13.00	-28.25	Vertical			
2	4981.00	-49.70	RMS	33.06	-18.27	0.53	-95.23	30.21	-13.00	-36.70	Vertical			
3	6642.00	-45.69	RMS	35.80	-17.11	0.48	-95.23	30.37	-13.00	-32.69	Vertical			

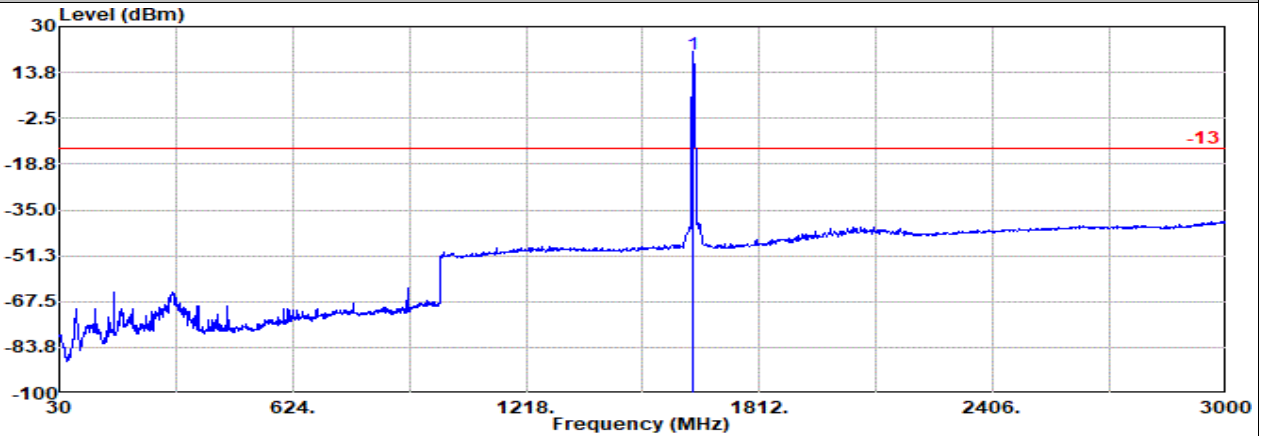


Ant. 1

Part 25 Mode 5

L LTE Band 255 200 kHz Ch261674 3.75 kHz 1SC0 BPSK

M



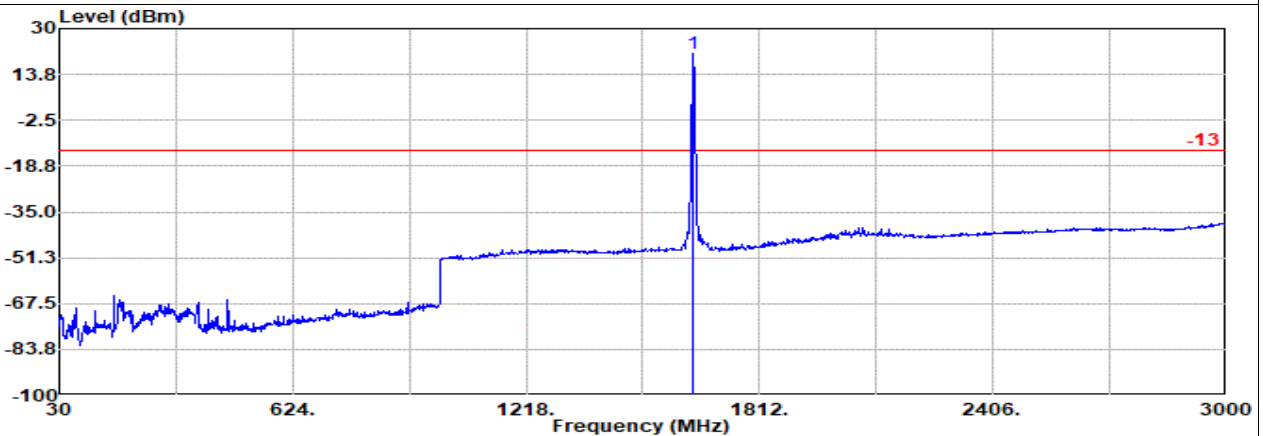
Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Horizontal

: LTE Band 255 200 kHz Ch261843 3.75 kHz 1SC0 QPSK

: #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	1644.00	20.36	RMS	25.06	6.37	0.00	-95.23	84.16	-13.00	33.36	Horizontal



Site : 03CH16-HY

Condition: -13 3m 9120D-1522_240328 Vertical

: LTE Band 255 200 kHz Ch261843 3.75 kHz 1SC0 QPSK

: #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	1644.00	20.97	RMS	25.06	6.37	0.00	-95.23	84.77	-13.00	33.97	Vertical

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