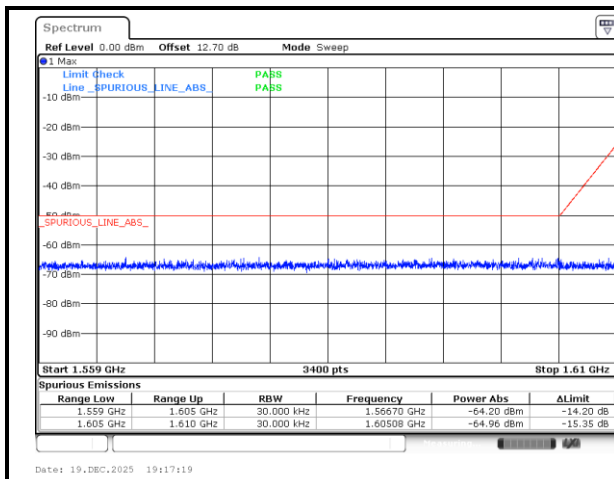
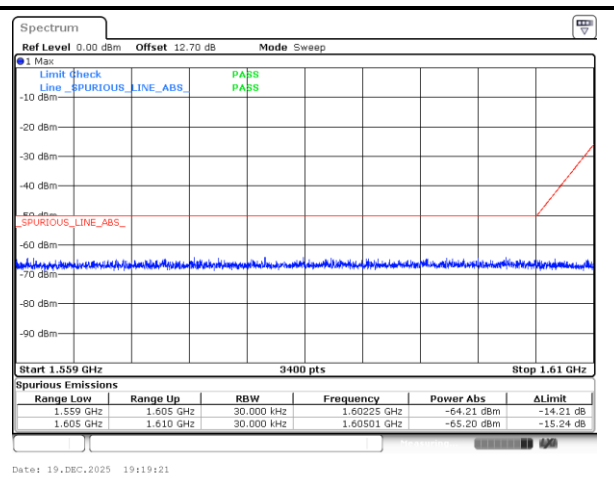
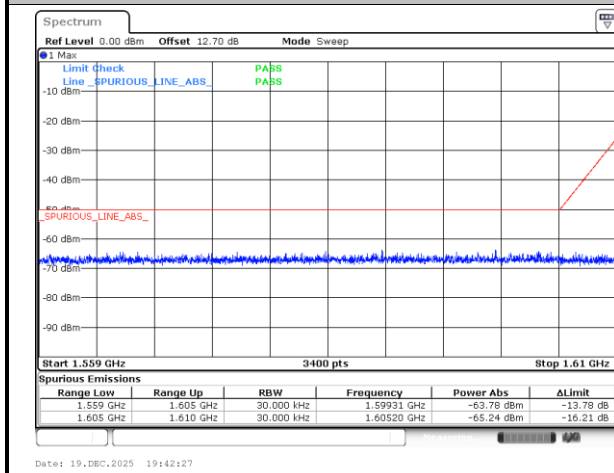




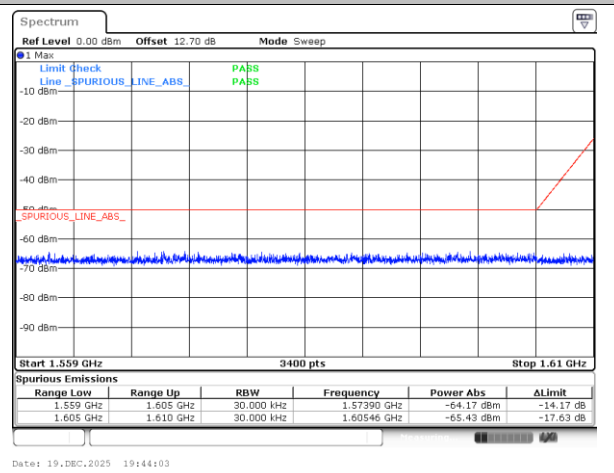
Middle Channel / 1SC0 QPSK



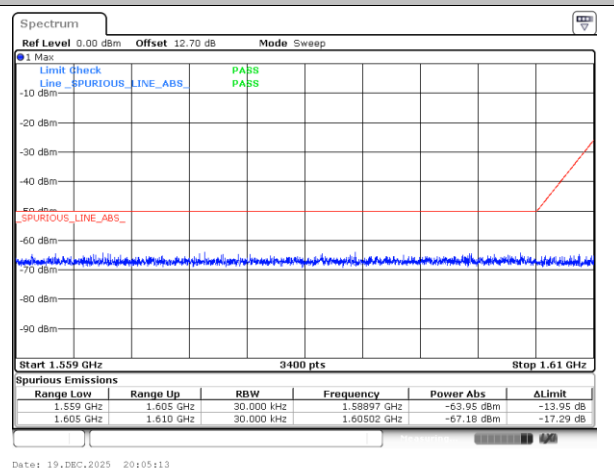
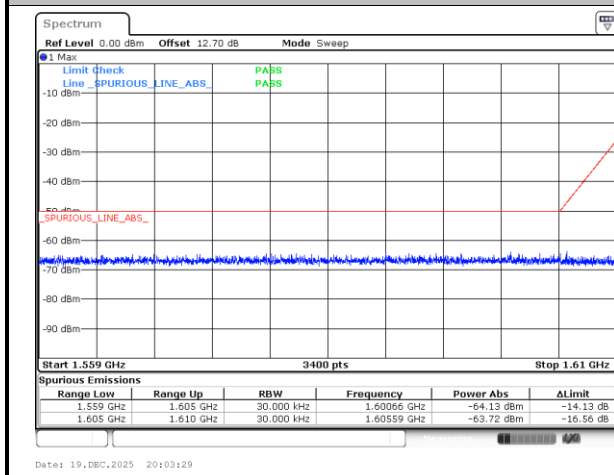
Middle Channel / 1SC11 QPSK



Highest Channel / 1SC0 QPSK

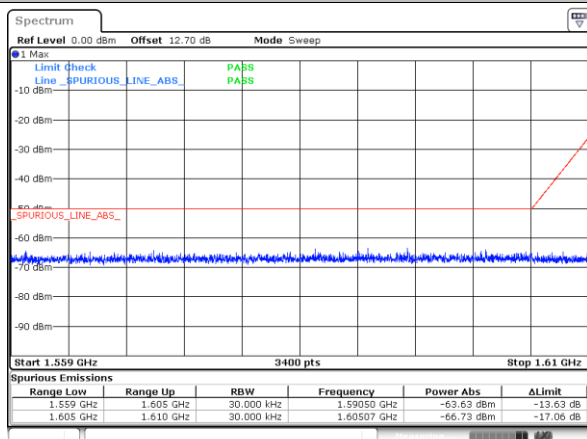


Highest Channel / 1SC11 QPSK



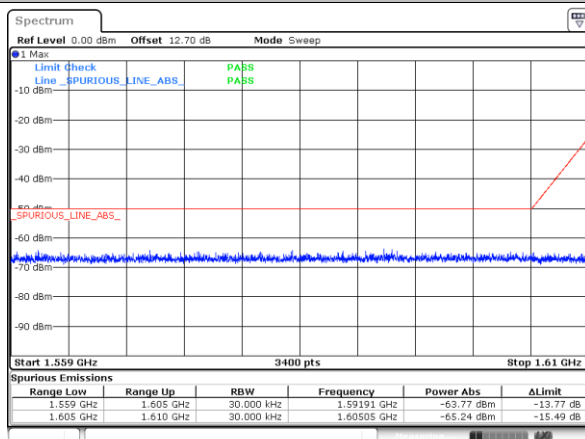


Lowest Channel / 3SC0 QPSK



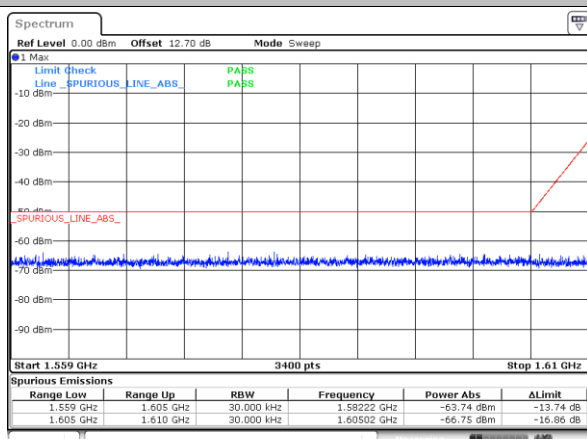
Date: 19,DEC,2025 19:21:11

Lowest Channel / 3SC9 QPSK



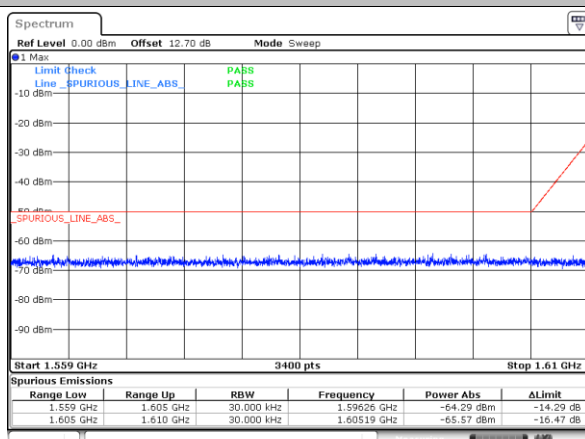
Date: 19,DEC,2025 19:22:46

Middle Channel / 3SC0 QPSK



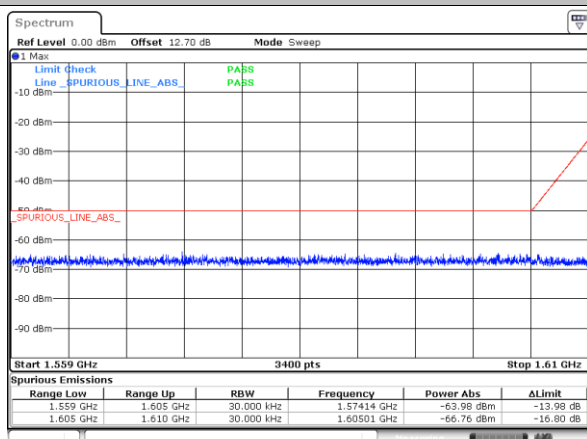
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Middle Channel / 3SC9 QPSK



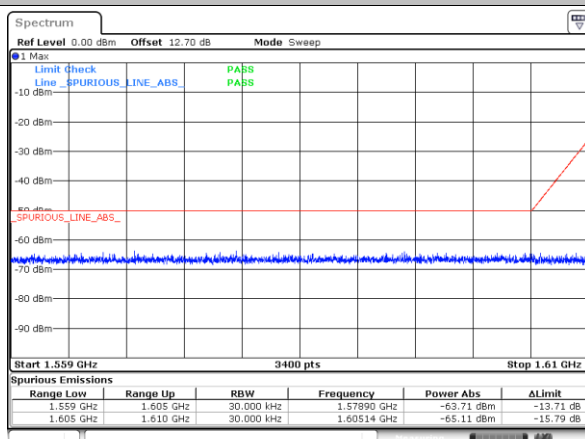
Date: 19,DEC,2025 19:46:58

Highest Channel / 3SC0 QPSK

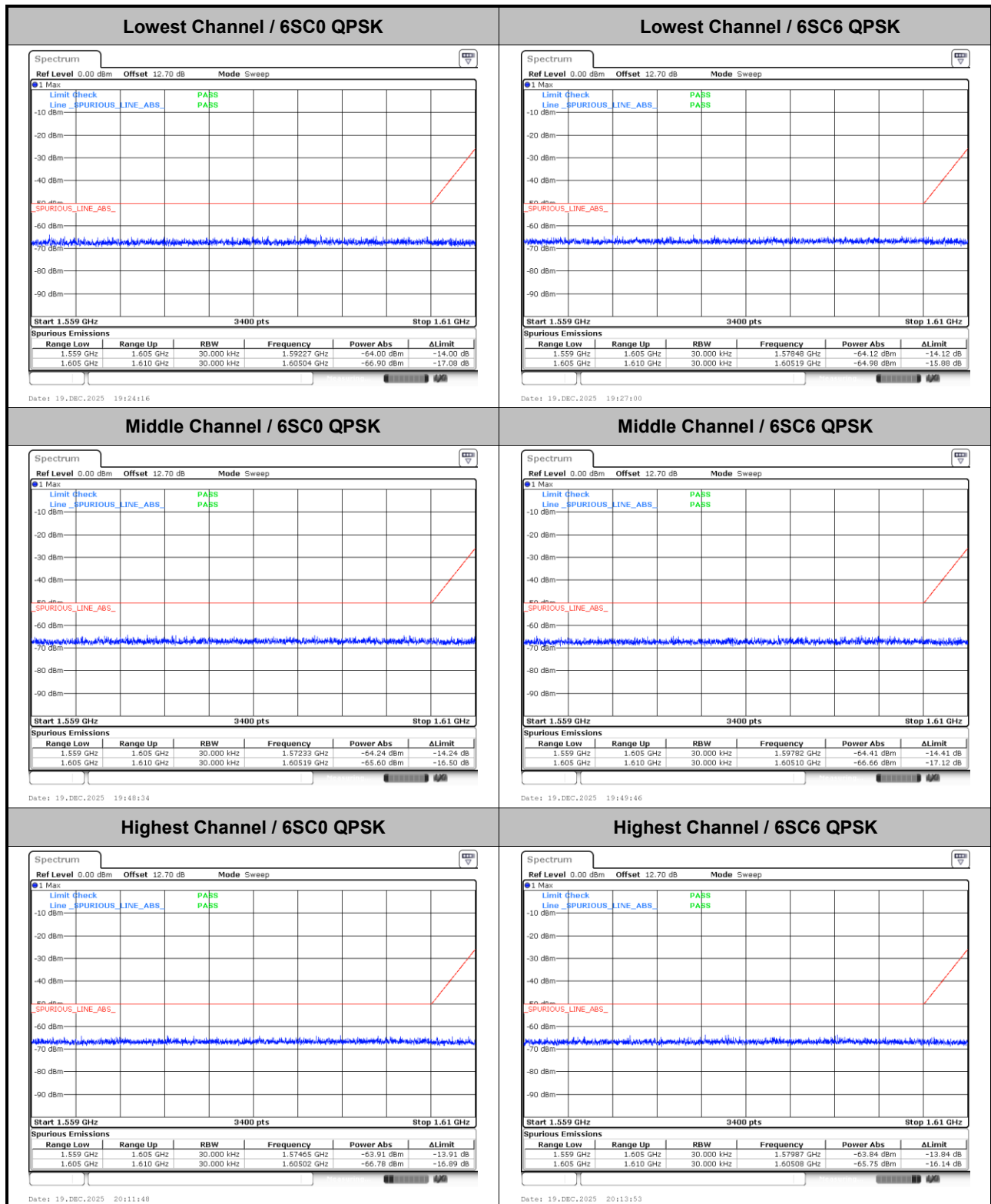


Date: 19,DEC,2025 20:06:38

Highest Channel / 3SC9 QPSK

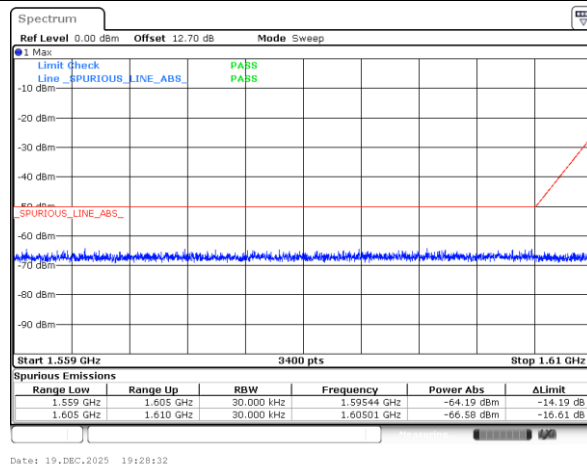


Date: 19,DEC,2025 20:09:25

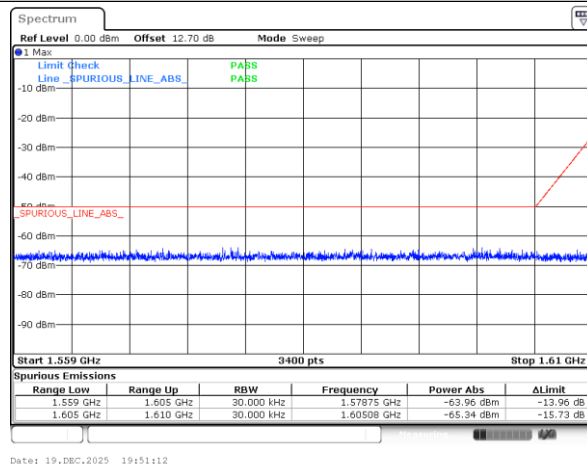




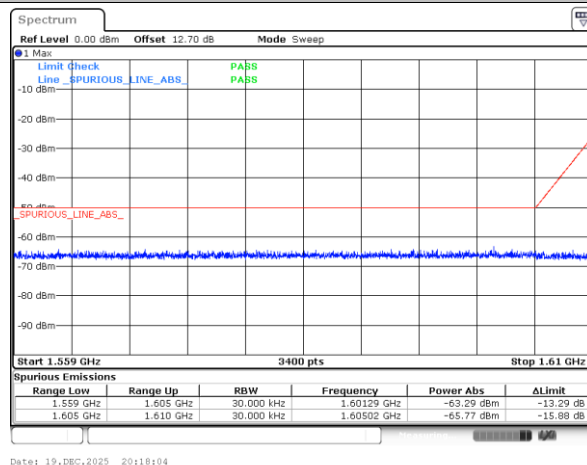
Lowest Channel / 12SC0 QPSK



Middle Channel / 12SC0 QPSK



Highest Channel / 12SC0 QPSK



Frequency Stability

Test Conditions		Band 255(QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	SCS 15kHz	10ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0057	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0059	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0031	
-20	Normal Voltage	0.0084	
-30	Normal Voltage	0.0076	
20	Maximum Voltage	0.0037	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0078	

Note:

1. Normal Voltage = 3.90 V. ; Battery End Point (BEP) = 3.60 V. ; Maximum Voltage = 4.40 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Radiated Spurious Emission Test Data

Test Engineer :	John Chuang, David Dai, and Sam Chou	Relative Humidity(%):	63.7 ~ 71.1
		Temperature(°C):	18.3 ~ 22.8

B1. Summary of each worse mode

Mode	Band	Part	Ch	Freq (MHz)	Level (dBm)	Det	Ant Factor (dB)	AmplCbl (dB)	Filter (dB)	EIRPCF (dB)	Reading (dBuV)	Limit (dBm)	Margin (dB)	Pol	Ant
1	LTE B23	Part 25	H	8080	-54.56	RMS	37.20	-22.56	0.45	-95.23	25.58	-13.00	-41.56	V	5
3	LTE B255	Part 25	H	4981	-48.51	RMS	33.19	-24.93	0.62	-95.23	37.84	-13.00	-35.51	H	5

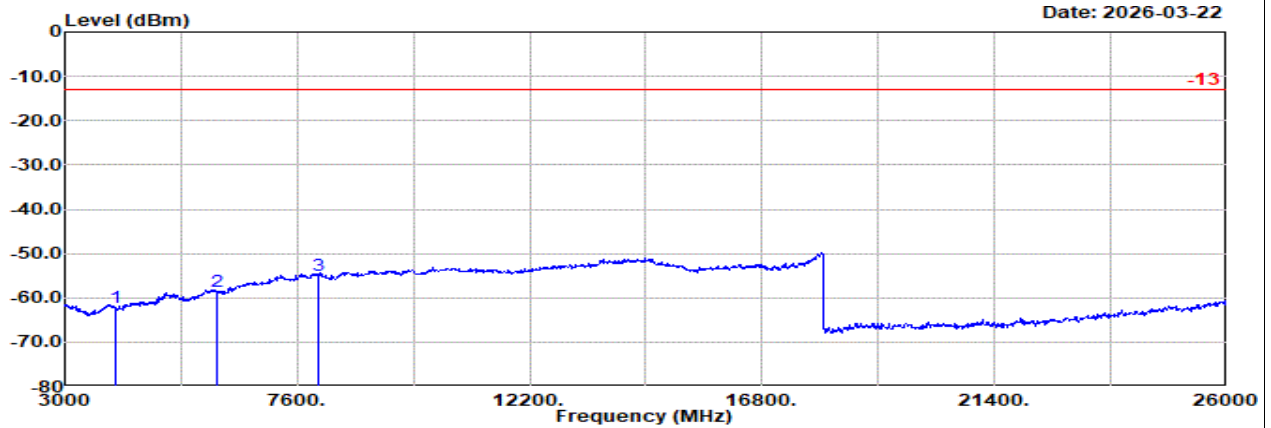


Ant. 5

Part 25 Mode 1

LTE B23 20M Ch25501 1RB0 QPSK

L

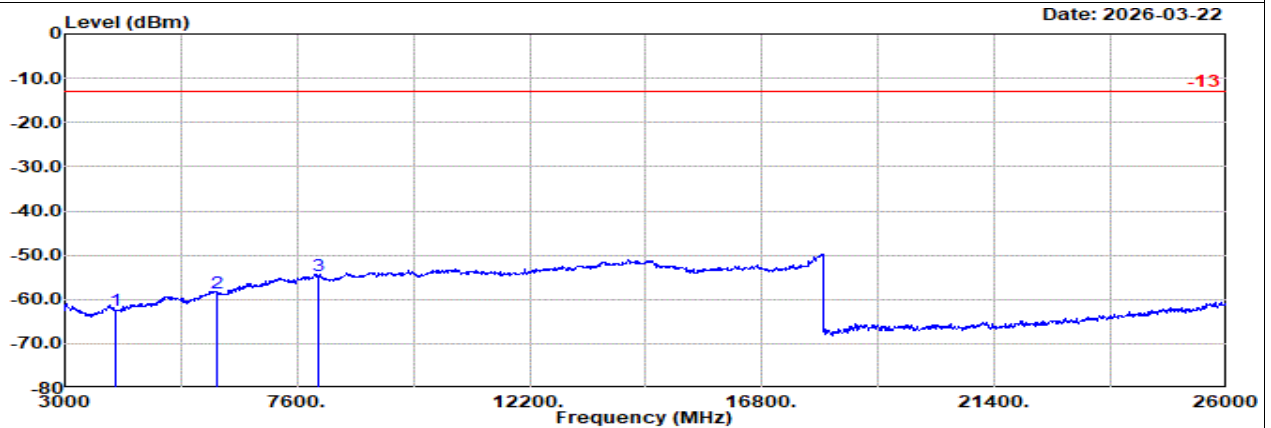


Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Horizontal

: NTN Band 23 Ch25501 1SC0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	4000.00	-62.05	RMS	30.70	-25.52	0.56	-95.23	27.44	-13.00	-49.05	Horizontal
2	6000.00	-58.57	RMS	34.10	-23.74	0.46	-95.23	25.84	-13.00	-45.57	Horizontal
3	8000.00	-54.83	RMS	37.20	-22.46	0.55	-95.23	25.11	-13.00	-41.83	Horizontal



Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Vertical

: NTN Band 23 Ch25501 1SC0 QPSK

	Freq	Level	Detector	Ant Amp\Cb		Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1						
	MHz	dBm			dB	dB	dB	dBuV	dBm	dB	
1	4000.00	-62.40	RMS	30.70	-25.52	0.56	-95.23	27.09	-13.00	-49.40	Vertical
2	6000.00	-58.46	RMS	34.10	-23.74	0.46	-95.23	25.95	-13.00	-45.46	Vertical
3	8000.00	-54.73	RMS	37.20	-22.46	0.55	-95.23	25.21	-13.00	-41.73	Vertical

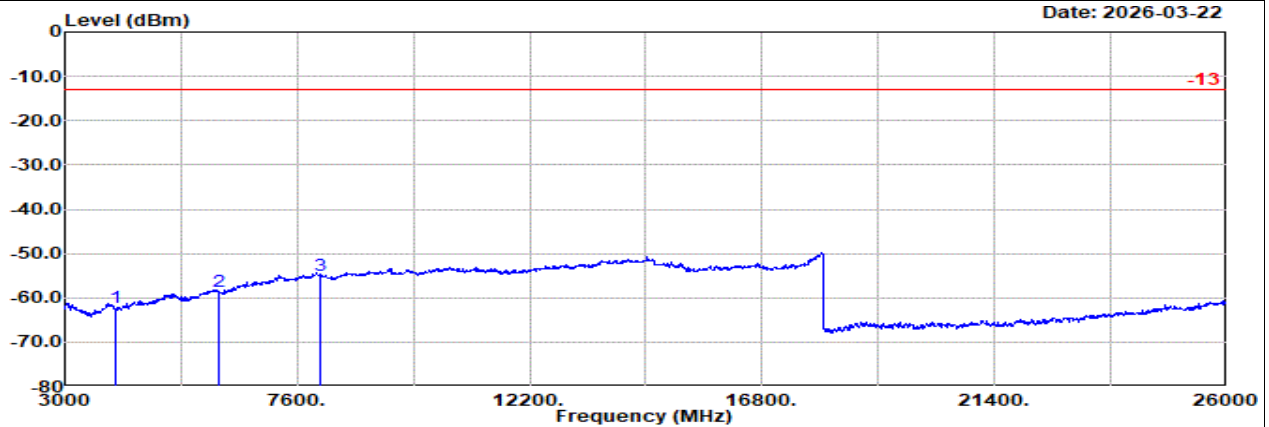


Ant. 5

Part 25 Mode 1

LTE B23 20M Ch25600 1RB0 QPSK

M

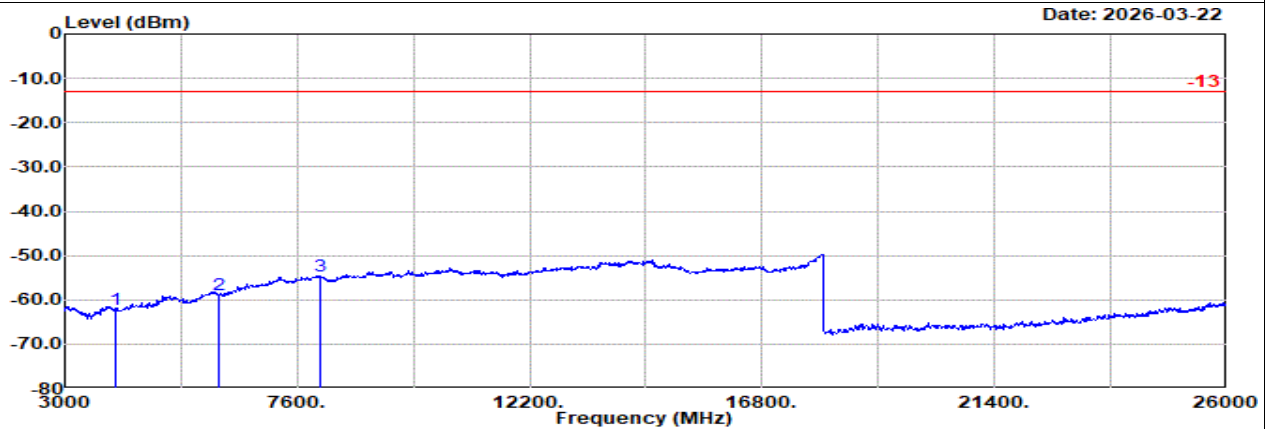


Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Horizontal

: NTN Band 23 Ch25600 1SC0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	4020.00	-62.30	RMS	30.74	-25.51	0.58	-95.23	27.12	-13.00	-49.30	Horizontal		
2	6030.00	-58.56	RMS	34.10	-23.73	0.48	-95.23	25.82	-13.00	-45.56	Horizontal		
3	8040.00	-54.90	RMS	37.20	-22.51	0.50	-95.23	25.14	-13.00	-41.90	Horizontal		



Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Vertical

: NTN Band 23 Ch25600 1SC0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	4020.00	-62.20	RMS	30.74	-25.51	0.58	-95.23	27.22	-13.00	-49.20	Vertical		
2	6030.00	-58.81	RMS	34.10	-23.73	0.48	-95.23	25.57	-13.00	-45.81	Vertical		
3	8040.00	-54.72	RMS	37.20	-22.51	0.50	-95.23	25.32	-13.00	-41.72	Vertical		

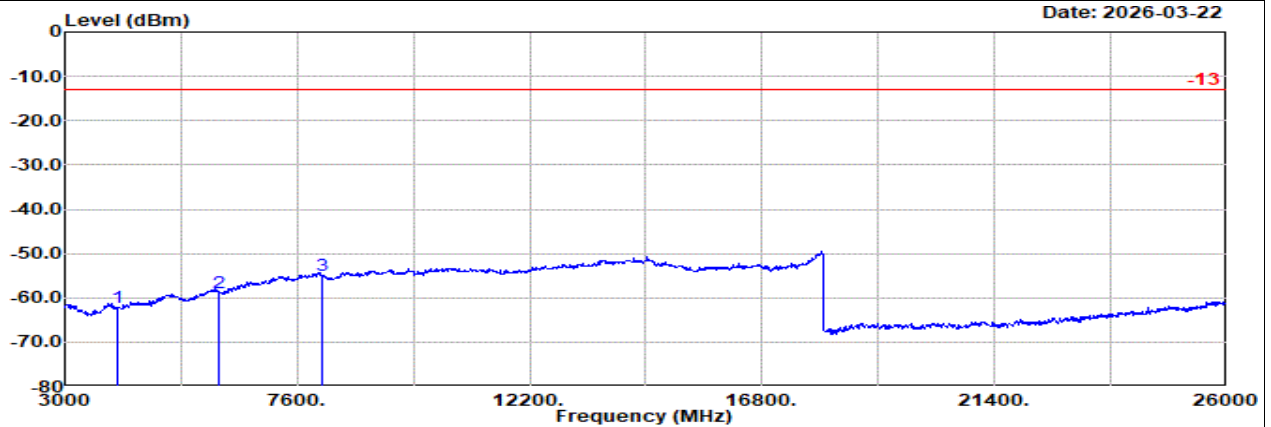


Ant. 5

Part 25 Mode 1

LTE B23 20M Ch25699 1RB0 QPSK

H

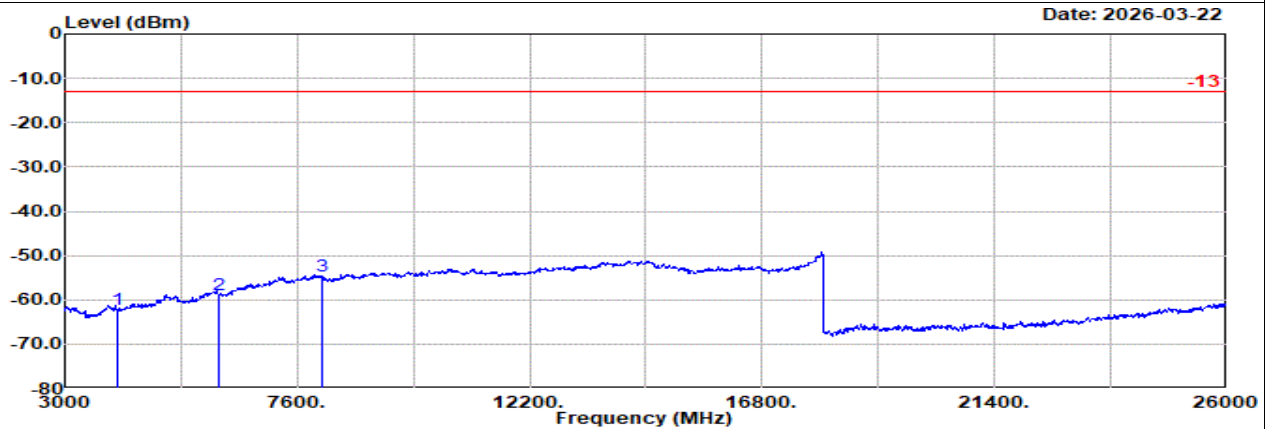


Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Horizontal

: NTN Band 23 Ch25699 1SC0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	4040.00	-62.31	RMS	30.78	-25.50	0.60	-95.23	27.04	-13.00	-49.31	Horizontal		
2	6060.00	-58.83	RMS	34.10	-23.71	0.50	-95.23	25.51	-13.00	-45.83	Horizontal		
3	8080.00	-54.91	RMS	37.20	-22.56	0.45	-95.23	25.23	-13.00	-41.91	Horizontal		



Site : 03CH20-HY

Condition: -13 1m BBHA9170_1224_250702 Vertical

: NTN Band 23 Ch25699 1SC0 QPSK

	Freq Level		Detector	Ant Factor	Amp\Cb		Filter	EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm			dB/m	dB	dB	dB	dBuV	dBm	dB		
1	4040.00	-62.18	RMS	30.78	-25.50	0.60	-95.23	27.17	-13.00	-49.18	Vertical		
2	6060.00	-58.93	RMS	34.10	-23.71	0.50	-95.23	25.41	-13.00	-45.93	Vertical		
3	8080.00	-54.56	RMS	37.20	-22.56	0.45	-95.23	25.58	-13.00	-41.56	Vertical		

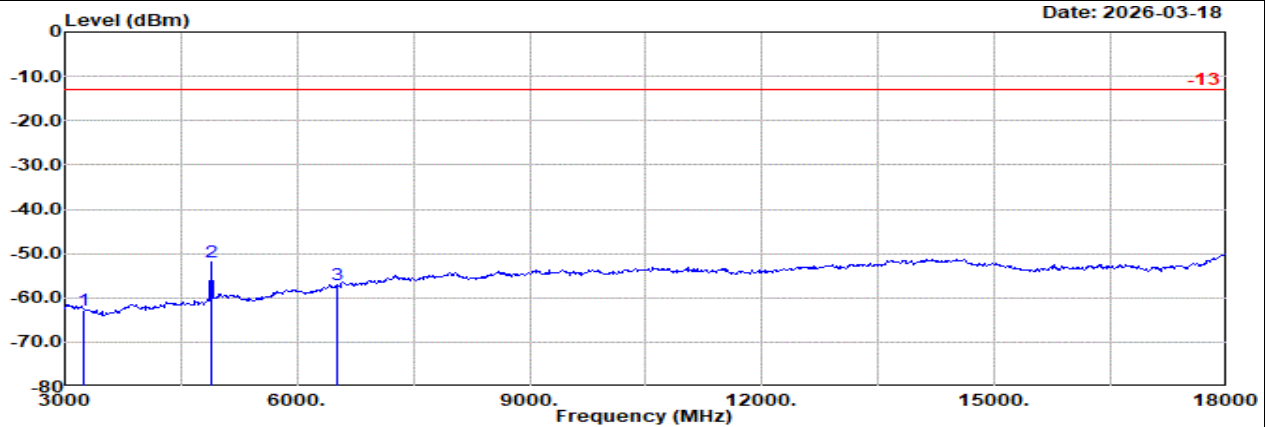


Ant. 5

Part 25 Mode 3

LTE B255 20M Ch261505 1RB0 QPSK

L

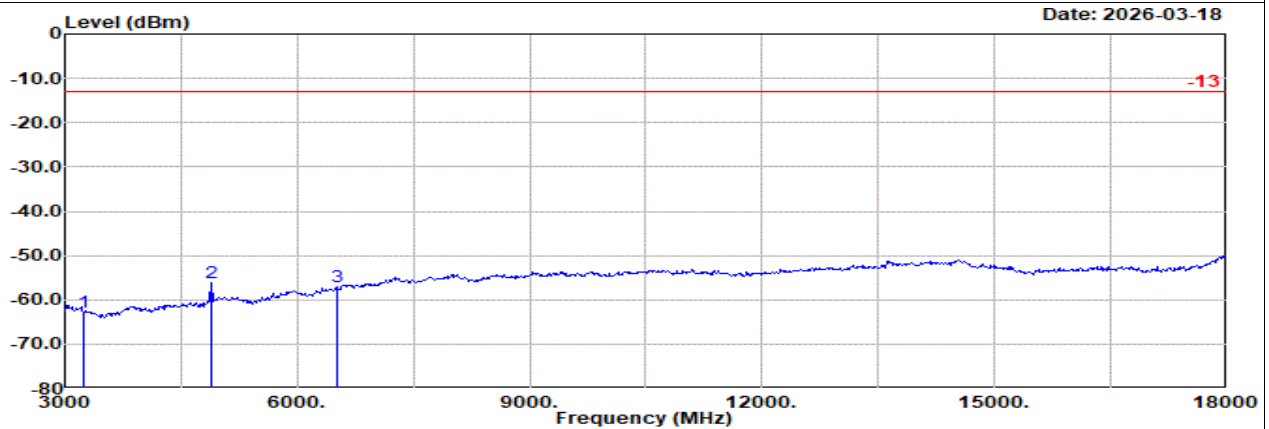


Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Horizontal

: NTN Band 255 Ch261505 1SC0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBm	dB		
1	3253.00	-62.67	RMS	29.59	-26.08	1.15	-95.23	27.90	-13.00	-49.67	Horizontal
2	4890.00	-51.82	RMS	32.66	-25.02	0.63	-95.23	35.14	-13.00	-38.82	Horizontal
3	6506.00	-57.16	RMS	35.15	-23.21	0.65	-95.23	25.48	-13.00	-44.16	Horizontal



Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Vertical

: NTN Band 255 Ch261505 1SC0 QPSK

	Freq Level		Detector	Ant Amp\Cb Filter		EIRPCF	Readin g	Limit		Margin	Pol
	MHz	dBm		Factor	dB			dBm	dB		
1	3253.00	-62.90	RMS	29.59	-26.08	1.15	-95.23	27.67	-13.00	-49.90	Vertical
2	4890.00	-56.27	RMS	32.66	-25.02	0.63	-95.23	30.69	-13.00	-43.27	Vertical
3	6506.00	-57.10	RMS	35.15	-23.21	0.65	-95.23	25.54	-13.00	-44.10	Vertical

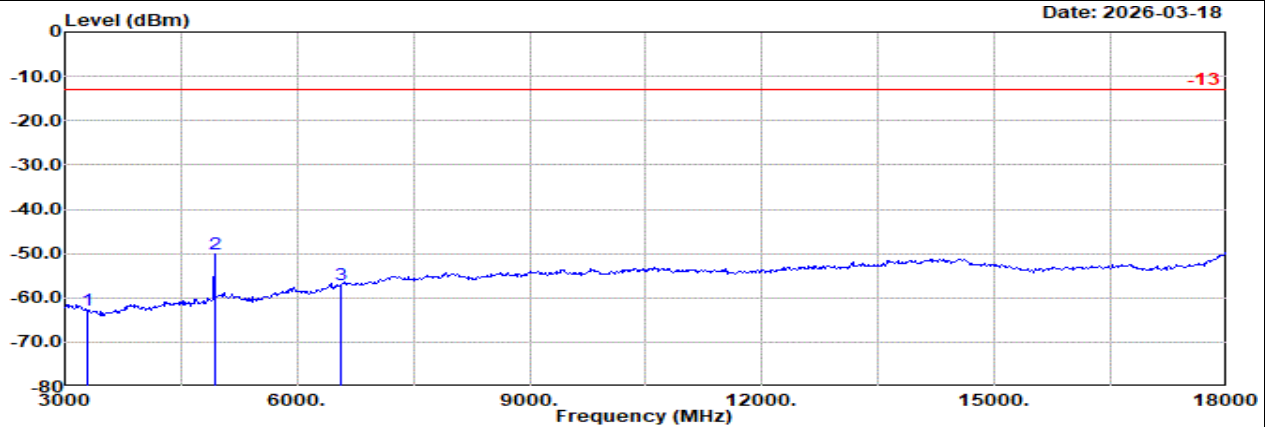


Ant. 5

Part 25 Mode 3

LTE B255 20M Ch261674 1RB0 QPSK

M

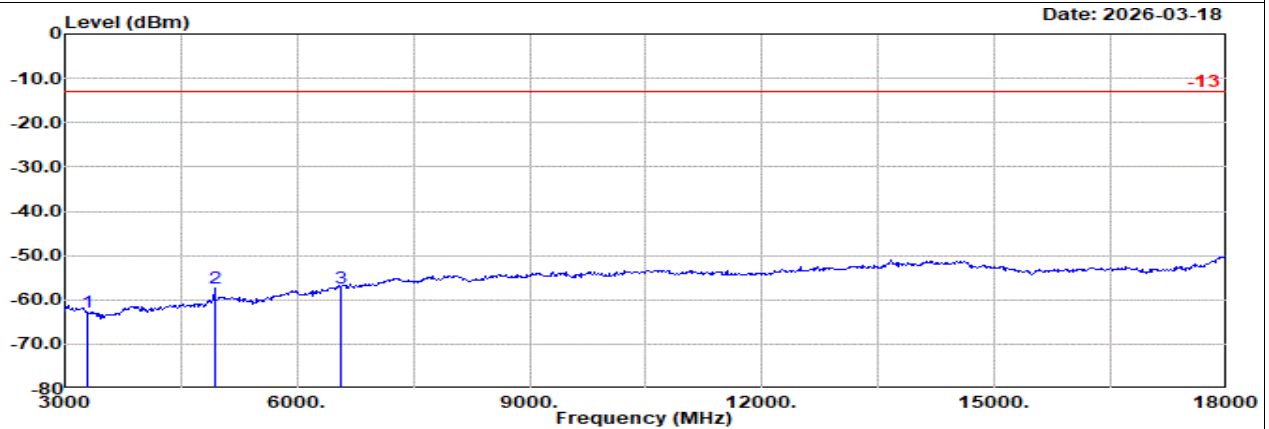


Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Horizontal

: NTN Band 255 Ch261674 1SC0 QPSK

	Freq	Level	Detector	Ant	Amp\Cb	Filter	EIRPCF	Readin	Limit	Margin	Pol
				Factor	1				g		
	MHz	dBm		dB/m	dB	dB		dBuV	dBm		
1	3287.00	-62.91	RMS	29.53	-26.05	1.02	-95.23	27.82	-13.00	-49.91	Horizontal
2	4930.00	-49.97	RMS	32.88	-24.98	0.62	-95.23	36.74	-13.00	-36.97	Horizontal
3	6574.00	-56.93	RMS	35.64	-23.12	0.65	-95.23	25.13	-13.00	-43.93	Horizontal



Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Vertical

: NTN Band 255 Ch261674 1SC0 QPSK

	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	3287.00	-62.85	RMS	29.53	-26.05	1.02	-95.23	27.88	-13.00	-49.85	Vertical
2	4930.00	-57.44	RMS	32.88	-24.98	0.62	-95.23	29.27	-13.00	-44.44	Vertical
3	6574.00	-57.24	RMS	35.64	-23.12	0.65	-95.23	24.82	-13.00	-44.24	Vertical

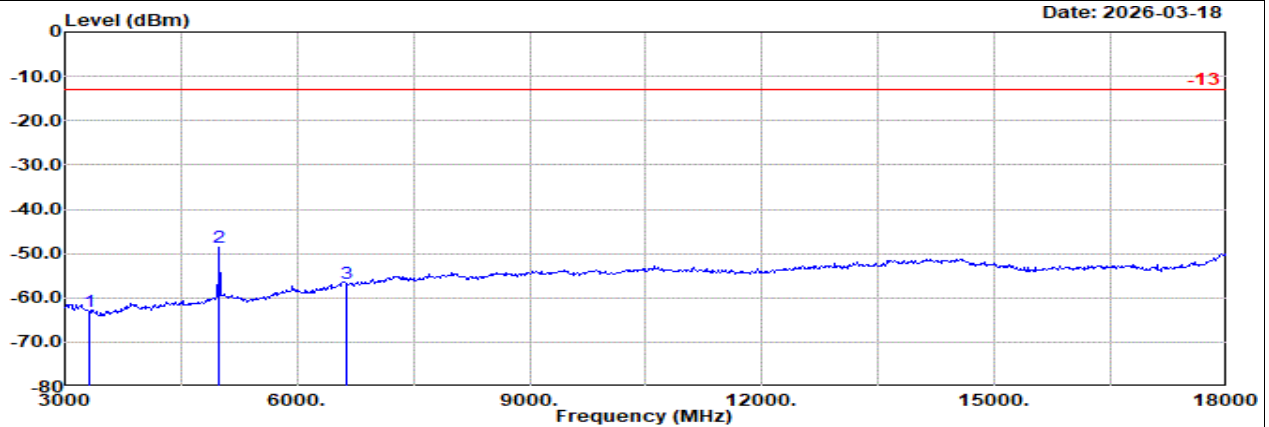


Ant. 5

Part 25 Mode 3

LTE B255 20M Ch261843 1RB0 QPSK

H

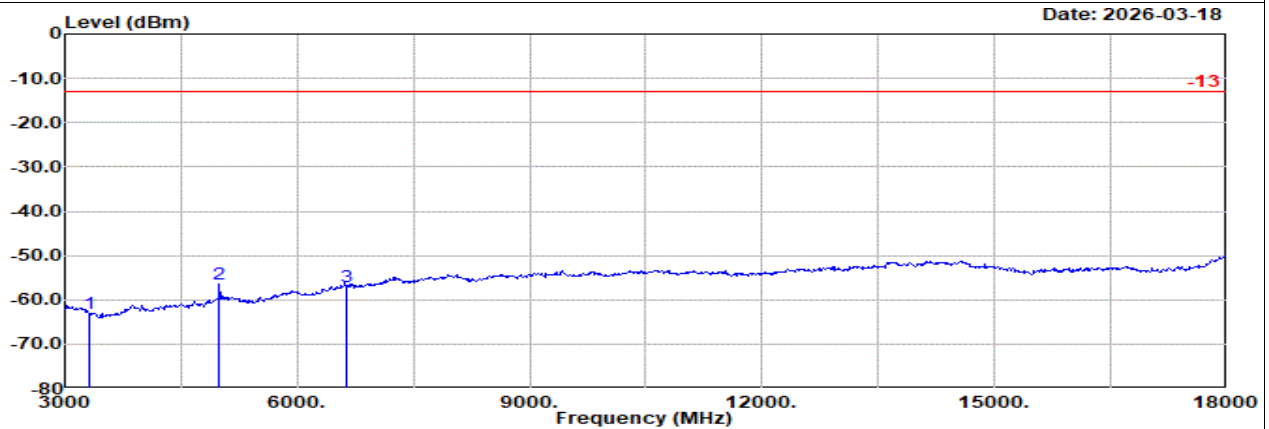


Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Horizontal

: NTN Band 255 Ch261843 1SC0 QPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
	MHz	dBm		Factor	dB		dB	dB				
1	3321.00	-62.96	RMS	29.54	-26.02	0.88	-95.23	27.87	-13.00	-49.96	Horizontal	
2	4981.00	-48.51	RMS	33.19	-24.93	0.62	-95.23	37.84	-13.00	-35.51	Horizontal	
3	6641.00	-56.66	RMS	35.80	-23.05	0.65	-95.23	25.17	-13.00	-43.66	Horizontal	



Site : 03CH20-HY

Condition: -13 3m HF_9120D_02360_251105 Vertical

: NTN Band 255 Ch261843 1SC0 QPSK

	Freq Level		Detector	Ant Amp\Cb		Filter	EIRPCF		Readin	Limit	Margin Pol	
	MHz	dBm		Factor	dB		dB	dB				
1	3321.00	-63.01	RMS	29.54	-26.02	0.88	-95.23	27.82	-13.00	-50.01	Vertical	
2	4981.00	-56.54	RMS	33.19	-24.93	0.62	-95.23	29.81	-13.00	-43.54	Vertical	
3	6641.00	-56.91	RMS	35.80	-23.05	0.65	-95.23	24.92	-13.00	-43.91	Vertical	

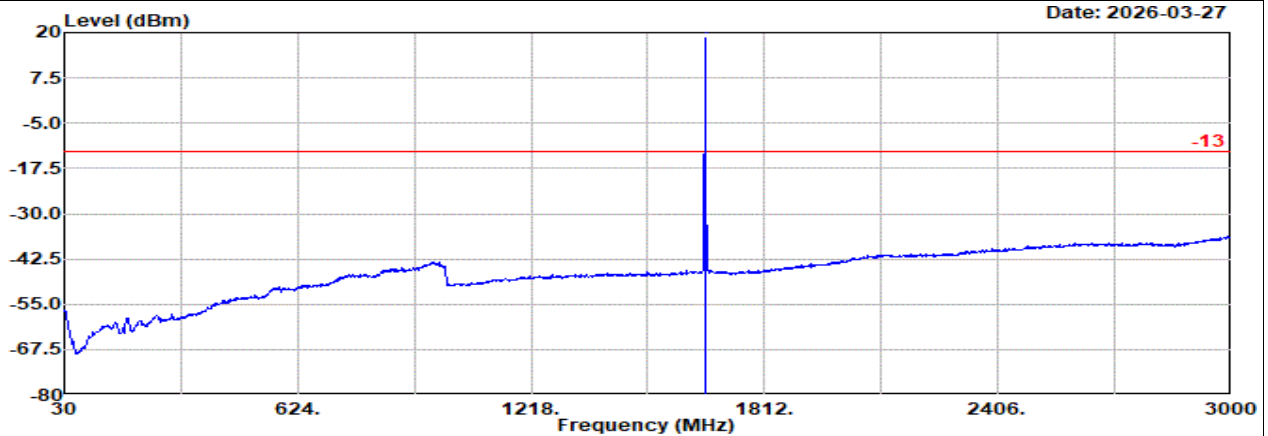


Ant. 5

Part 25 Mode 3

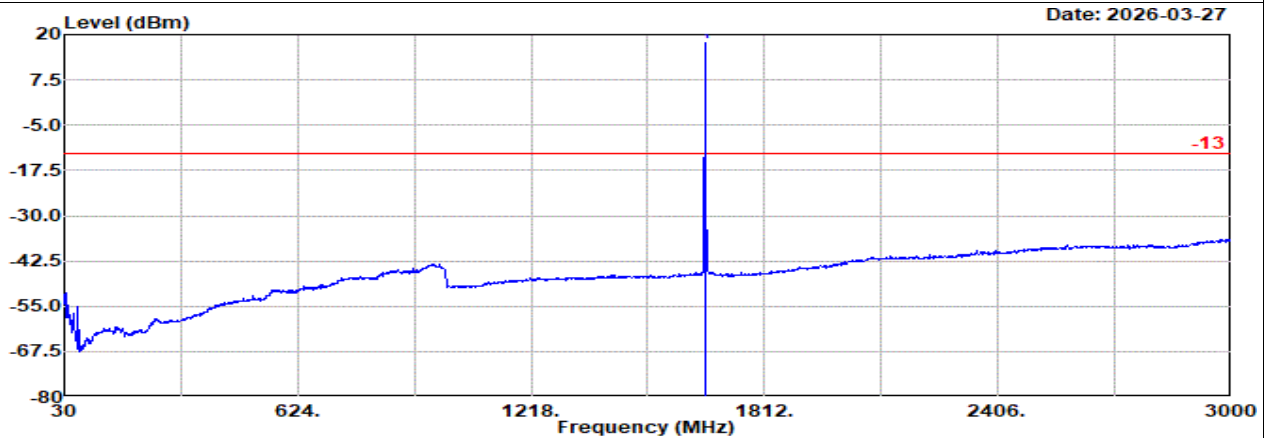
LTE B255 20M Ch261843 1RB0 QPSK

H



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_251105 Horizontal
: NTN Band 255 Ch261843 1SC0 QPSK
: #1 is fundamental signal can be ignored

	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	1662.00	18.44	RMS	25.22	7.20	0.00	-95.23	81.25	-13.00	31.44	Horizontal



Site : 03CH20-HY
Condition: -13 3m HF_9120D_02360_251105 Vertical
: NTN Band 255 Ch261843 1SC0 QPSK
: #1 is fundamental signal can be ignored

	Freq	Level	Detector	Ant Factor	Amp\Cb	Filter	EIRPCF	Reading	Limit	Margin	Pol
	MHz	dBm		dB/m	dB	dB	dB	dBuV	dBm	dB	
1	1662.00	17.65	RMS	25.22	7.20	0.00	-95.23	80.46	-13.00	30.65	Vertical