

EVALUATION REPORT

Applicant Name:
SAMSUNG Electronics Co., Ltd.

Date of Issue:
May 16, 2025

Address:
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Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

Location:
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FCC ID: A3LSMF761B

APPLICANT: SAMSUNG Electronics Co., Ltd.

Equipment Class(es) : PCE, DSS, DTS, UNII, DCD, DXX, 6CD, 6VL
FCC Rule Part(s) : 2, 15, 22, 24, 27, 90
Application's Statement : The applicant takes full responsibility that the test data referenced below
Represents compliance for this FCC ID.
Test Reference : KDB 484596 D01 Referencing Test Data v03

The detail test data can be found in this documents, Appendix A.

Category	Spot Check	Verdict
Licensed EMC	Conducted Output Power	Share
	ERP / EIRP	Share
	RSE	Share
Unlicensed EMC	Conducted Test	Share
	Conducted output Power	Share
	Radiated Band Edge	Share
	Radiated Spurious Emissions	Share
	Radiated Field Strength	Share

The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the Cross Reference Table. The detail test data can be found in this documents, Appendix A.

Difference between Parent and Variant : For detailed changes, please refer to the manufacturer's technical documentation.



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Approved by : Jong Seok Lee

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REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 15, 2025	Initial Release
1	May 16, 2025	Since full testing was NR bands n5 and n71, data referencing content has been removed.

1. Cross Reference Table (Licensed EMC)

1) Data referencing band

- 2G : GSM850(ERP), GSM1900
- 3G : WCDMA850(RSE), WCDMA1700(Main 1 ANT RSE, Sub 5 ANT), WCDMA1900(Main 1 ANT RSE, Sub 5 ANT)
- 4G : LTE B5(RSE), B12(17)(Radiated), B13, B25, B26 (Part22)(RSE), B26 (Part90)(RSE), B66(Main 1 Radiated)
- 5G : NR n25(2), n66, n77

Note: Data referencing shall exclude the test items listed below.

2) Full test band

- 2G : GSM850(Main 1 ANT RSE)
- 3G : WCDMA850(ERP), WCDMA1700(Main 1 Ant EIRP, Sub 5 Band edge), WCDMA1900(Main 1 Ant EIRP).
- 4G : LTE B2, B4, B5(ERP), B12(Band Edge), LTE B12(17) (Band Edge), B13(Band Edge), B25(Band Edge), B26 (Part22) (ERP), B26 (Part90) (ERP), B41, B66(Main1 ANT Band Edge, Sub5 ANT Band Edge, Sub 5 ANT Radiated)
- 5G : NR n5, n25(Main 1 ANT Band Edge), n41_PC3, n71

2G/3G

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	Spot-check
§ 2.1051, § 22.917(a), § 24.238(a), § 27.53(h)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	Spot-check
§ 2.1051, § 27.53(h)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal. (WCDMA_B4 Sub 5)	N	Full test
§ 22.913(d), § 24.232(d), § 27.50(d)(5)	Peak- to- Average Ratio	Y	Spot-check
§ 2.1055, § 22.355, § 24.235, § 27.54	Frequency stability	Y	Spot-check
§ 22.913(a)(5)	Effective Radiated Power	Y	Spot-check
§ 22.913(a)(5)	Effective Radiated Power (WCDMA_B5 Main 1)	N	Full test
§ 27.50(d)(4)	Equivalent Isotropic Radiated Power (WCDMA Main1 ANT)	N	Full test
§ 27.50(d)(4)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 24.232(c)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 24.232(c)	Equivalent Isotropic Radiated Power (WCDMA_B2 Main 1)	N	Full test
§ 2.1053, § 22.917(a), § 24.238(a), § 27.53(h)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 22.917(a)	Radiated Spurious and Harmonic Emissions (GSM850)	N	Full test
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note 1)

LTE, NR Part 22

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	Spot-check
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note 1)
§ 22.913(d)	Peak- to- Average Ratio	Y	Spot-check
§ 2.1055, § 22.355	Frequency stability / variation of ambient temperature	Y	Spot-check
§ 2.1051, § 22.917(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	Spot-check
§ 22.913(a)(5)	Effective Radiated Power	N	Full test

Rule Part	Test item	Data Referencing	Comments
§ 2.1053, § 22.917(a)	Radiated Spurious and Harmonic Emissions	Y	Spot-check

LTE, NR Part 24

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	Spot-check
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note 1)
§ 2.1051, § 24.238(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	Y	Spot-check
§ 2.1051, § 24.238(a)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.. (LTE B25, n25_M1)	N	Full test
§ 24.232(d)	Peak- to- Average Ratio	Y	Spot-check
§ 24.235	Frequency stability	Y	Spot-check
§ 24.232(c)	Equivalent Isotropic Radiated Power	Y	Spot-check
§ 2.1053, § 24.238(a)	Radiated Spurious Emissions	Y	Spot-check

LTE, NR Part 27

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	Spot-check
§ 2.1046	Conducted Output Power	Y	Spot-check (See Note 1)
§ 2.1051, § 27.53(g)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	N	Full test
§ 2.1055, § 27.54	Frequency stability / variation of ambient temperature	Y	Spot-check
§ 27.50(c)(10)	Effective Radiated Power	N	Full test
§ 2.1053, § 27.53(g)	Radiated Spurious and Harmonic Emissions	N	Full test
§ 2.1051, § 27.53(c)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal..	N	Full test
§ 27.50(h)(2)	Effective Radiated Power	Y	Spot-check
§ 2.1051, § 27.53(h)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal. (LTE B66)	N	Full test

Rule Part	Test item	Data Referencing	Comments
§ 2.1051, § 27.53(h)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	Spot-check
§ 27.50(d)(5)	Peak- to- Average Ratio	Y	Spot-check
§ 2.1055, § 27.54	Frequency stability / variation of ambient temperature	Y	Spot-check
§ 27.50(d)(4)	Equivalent Isotropic Radiated Power LTE B66(Sub 5 Ant))	N	Full test
§ 2.1053, § 27.53(h)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 2.1053, § 27.53(m)(4)	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 2.1051, § 27.53(n)(2), § 27.53(l)(2)	Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	Y	Spot-check

Part90

Rule Part	Test item	Data Referencing	Comments
§ 2.1049	Occupied Bandwidth	Y	Spot-check
§ 2.1055, § 90.213	Frequency stability / variation of ambient temperature	Y	Spot-check
§ 2.1053, § 90.691	Radiated Spurious and Harmonic Emissions	Y	Spot-check
§ 2.1046, § 90.635	Conducted Output Power	Y	Spot-check (See Note 1)

Note:

1. The Tune-up power of the SM-F761U and SM-F761B are same. Please refer to the results of the SAR report.

2. Cross Reference Table (Unlicensed EMC)

1) Data referencing

- [BT], [BT LE 5.4], [UNII], [UNII ax], [UNII 6G], [DTS], [DTS ax], [WPT], [NFC], [DFS] Test Report

2) Additional test

- [DTS] Test Report → 802.11b, g, n, ac Ch.12 ~ Ch.13.

- [DTS ax] Test Report → 802.11ax Ch.12~Ch.13.

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DSS (BT)	15.247(a)(1)	20 dB Bandwidth	Y	Spot-check
	N/A	Occupied Bandwidth	Y	Spot-check
	15.247(b)(1)	Conducted Maximum Peak Output Power	Y	Spot-check
	15.247(a)(1)	Carrier Frequency Separation	Y	Spot-check
	15.247(a)(1)(iii)	Number of Hopping Frequencies	Y	Spot-check
	15.247(a)(1)(iii)	Time of Occupancy	Y	Spot-check
	15.247(d)	Conducted Spurious Emissions	Y	Spot-check
	15.247(d)	Band Edge (Out of Band Emissions)	Y	Spot-check
	15.207(a)	AC Power line Conducted Emissions	Y	Spot-check
	15.247(d), 15.205, 15.209	Radiated Spurious Emissions	Y	Spot-check
	15.247(d), 15.205, 15.209	Radiated Restricted Band Edge	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DTS (BTLE) (WLAN 2.4GHz)	15.247(a)(2)	6 dB Bandwidth	Y	Spot-check
	15.247(b)(3)	Conducted Maximum output power	Y	Spot-check
	15.247(e).	Power Spectral Density	Y	Spot-check
	15.247(d)	Band Edge (Out of Band Emissions)	Y	Spot-check
	15.207	AC Power line conducted Emissions	Y	Spot-check
	15.247(d) 15.205 15.209	Radiated Spurious Emissions	Y	Spot-check
	15.247(d) 15.205 15.209	Radiated Restricted Band Edge	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DCD (WPT)	2.1049	Emission bandwidth.	Y	Spot-check
	15.209	Radiated emission	Y	Spot-check
	15.207	AC Power Line Conducted Emission	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
DXX (NFC)	Part 15.225 (a), (b), (c)	Radiated Electric Field Emissions	Y	Spot-check
	Part 15.209	Radiated Electric Field Emissions	Y	Spot-check
	Part 15.225 (e)	Frequency Stability	Y	Spot-check
	Part 15.207	AC power conducted emissions	Y	Spot-check
	Part 15.215 (c)	20 dB Bandwidth	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
UNII (WLAN 5GHz)	§ 15.407 (for Power Measurement)	26 dB Bandwidth	Y	Spot-check
	15.407(e)	6 dB Bandwidth	Y	Spot-check
	§ 15.407(a)(1),(2),(3)	Maximum Conducted output power	Y	Spot-check
	§ 15.407(a)(3)(iii)	Maximum EIRP Output Power	Y	Spot-check
	§ 15.407(a)(1),(2),(3)	Maximum Power Spectral Density	Y	Spot-check
	15.207 15.407(b)(8)	AC conducted Emission	Y	Spot-check
	§ 15.407(g) § 2.1055	Frequency Stability	Y	Spot-check
	§ 15.407(b) (1),(2),(3),(4) § 15.407(b)(5)(ii),(iii) § 15.35(b)	Undesirable Emissions	Y	Spot-check
	15.205, 15.407(b)(9),(10)	General Field Strength (Restricted bands and Radiated emission)	Y	Spot-check
	15.407(h)	DFS	Y	Spot-check

Equipment Class	Rule Part	Test item	Data Referencing	Comments
6CD & 6VL (WLAN 6GHz)	§ 15.407(a)(10)	26dB Bandwidth	Y	Spot-check
	§ 15.407(a)(10)	99% Bandwidth	Y	Spot-check
	§ 15.407(a)(4)	Output Power Maximum EIRP	Y	Spot-check
	§ 15.407(a)(4)	Output Power Maximum EIRP Power Spectral Density	Y	Spot-check
	15.407 (b)(9)	AC Conducted Emissions	Y	Spot-check
	§ 15.407(d)(6)	Contention Based Protocol	Y	Spot-check
	§ 15.407(g)	Frequency Stability	Y	Spot-check
	§ 15.407(a)(7)	Proper Power Adjustment, Client Devices Connected to a Standard Power Access Point	Y	Spot-check
	§ 15.407(a)(7) § 15.407(a)(8)	Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	Y	Spot-check
	§ 15.407(b)(7)	In-Band Emissions (Emissions Mask)	Y	Spot-check
	§ 15.407(b)	Undesirable Emissions	Y	Spot-check
	15.205, 15.407(b)(9),(10)	General Field Strength Limits(Restricted Bands and Radiated Emission Limits)	Y	Spot-check

Appendix A. The Spot check test data

1. Summary of the spot check for Licensed EMC - Radiated

1.1 EFFECTIVE RADIATED POWER

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	Limit	ERP	
	channel	Freq.(MHz)						W	W	dBm
GSM850	128	824.2	824.2	-24.16	38.84	-9.95	H	< 7.00	0.556	27.45

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	Limit	ERP	
	channel	Freq.(MHz)						W	W	dBm
LTE B12(17)	23095	707.5	-30.60	29.31	-9.65	1.30	H	< 3.00	0.069	18.36
LTE B13	23230	782.0	-32.15	30.04	-9.95	1.40	H		0.074	18.69

Mode	Frequency (MHz)		Mode	A3LSMF761U (dBm)	A3LSMF761B (dBm)	Deviation (dB)
	MHz	Ch.				
GSM850	824.2	128	VOICE	27.35	27.45	-0.10
LTE B12(17) (B.W 1.4 MHz)	707.5	23095	QPSK	18.89	18.36	0.53
LTE B13 (B.W 5 MHz)	782.0	23230	QPSK	19.43	18.69	0.74

1.2 EQUIVALENT ISOTROPIC RADIATED POWER

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
GSM1900	661	1880.0	-14.66	20.71	10.11	2.21	V	< 2.00	0.726	28.61
LTE B25 (Main 1 ant)	26365	1882.5	-20.17	14.81	10.40	2.21	H		0.200	23.00
LTE B25 (Sub 5 ant)	26590	1905.0	-20.75	14.17	10.40	2.19	V		0.173	22.38
Sub6 n25(2) (Main 1 ANT)	376500	1870.00	-18.33	15.58	10.39	2.16	H		0.240	23.81
Sub6 n25(2) (Sub 5 ANT)	379000	1870.00	-19.39	14.52	10.39	2.16	H		0.188	22.75

Mode	Ch./Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP	
	channel	Freq.(MHz)						W	W	dBm
WCDMA1700 (Sub 5 Ant)	1412	1732.4	-22.52	11.75	9.91	2.08	H	< 1.00	0.091	19.58
LTE B66 (Main 1 ant)	132597	1772.5	-18.45	15.31	10.25	2.09	H		0.222	23.47
LTE B66 (Sub 5 ant)	132572	1770.0	-19.12	14.58	10.24	2.09	H		0.187	22.73
Sub6 n66 (Main 1 ANT)	355500	1777.50	-19.15	14.21	10.50	2.09	H		0.183	22.62
Sub6 n66 (Sub 5 ANT)	355500	1777.50	-19.45	13.91	10.50	2.09	V		0.171	22.32
Sub6 n77 (3450 MHz - 3550 MHz)	634332	3514.98	-22.63	15.89	12.04	3.04	H		0.308	24.89
Sub6 n77 (3700 MHz - 3980 MHz)	649334	3840.00	-23.21	16.74	11.58	3.20	H		0.325	25.12

Modulation	Frequency		Mode	A3LSMF761U (dBm)	A3LSMF761B (dBm)	Deviation (dB)
	MHz	Ch.				
GSM1900	1880.0	661	VOICE	28.73	28.61	0.12
WCDMA B2 (Sub 5 ant)	1852.4	9262	RMC	18.71	18.27	0.44
WCDMA B4 (Sub 5 ant)	1732.4	1412	RMC	18.89	19.58	-0.69
LTE B25 (Main 1 ant) (B.W 20 MHz)	1882.5	26365	QPSK	23.07	23.00	0.07
LTE B25 (Sub 5 ant) (B.W 20 MHz)	1905.0	26590	QPSK	23.71	22.38	1.33
LTE B66 (Main 1 ant) (B.W 15 MHz)	1772.5	132597	QPSK	22.82	23.47	-0.65
Sub6 n25(2) (Main 1 ANT) (B.W 40 MHz)	1870.00	376500	PI/2 BPSK	25.26	23.81	1.45
Sub6 n25(2) (Sub 5 ANT) (B.W 40 MHz)	1870.00	379000	PI/2 BPSK	23.32	22.75	0.57
Sub6 n66 (Main 1 ANT) (B.W 5 MHz)	1777.50	355500	PI/2 BPSK	23.40	22.62	0.78
Sub6 n66 (Sub 5 ANT) (B.W 5 MHz)	1777.50	355500	PI/2 BPSK	22.05	22.32	-0.27
Sub6 n77 (3450 MHz - 3550 MHz) (B.W 70 MHz)	3514.98	634332	PI/2 BPSK	24.38	24.89	-0.51
Sub6 n77 (3700 MHz - 3980 MHz) (B.W 80 MHz)	3840.00	656000	PI/2 BPSK	25.23	25.12	0.11

1.3 RADIATED SPURIOUS EMISSIONS

Mode, Channel, (Frequency)	Freq. (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol.	Result (dBm)
GSM1900	7 639.20	-53.97	11.56	-49.90	4.68	V	-43.02
WCDMA B2 (Main 1 Ant)	7,630.40	-54.21	11.56	-50.25	4.66	V	-43.35
WCDMA B2 (Sub 5 Ant)	7,409.60	-55.32	11.09	-51.38	4.57	H	-44.86
WCDMA B4 (Main 1 Ant)	7,010.40	-53.98	11.07	-50.78	4.42	V	-44.13
WCDMA B4 (Sub 5 Ant)	7,010.40	-54.79	11.07	-51.59	4.42	V	-44.94
WCDMA B5	3,305.60	-51.73	11.09	-59.99	2.97	H	-51.87
LTE B5 CH 20425 (826.5)	1653.00	-54.67	11.09	-62.93	2.97	H	-54.81
LTE B12(17) CH 23095 (707.5)	2 122.50	-45.70	9.36	-57.34	2.28	V	-50.26
LTE B13 CH 23230 (782.0)	3,128.0	0.00	10.49	-7.84	2.86	V	-0.21
LTE B25 (Main 1 ant) CH 26590 (1905.0)	7620.00	-44.16	11.14	-46.95	4.65	H	-40.46
LTE B25 (Sub 5 ant) CH 26140 (1860.0)	7,440.00	-43.00	10.78	-45.41	4.58	H	-39.21
LTE B26(part22) CH 26915 (836.5)	3,346.00	-53.13	11.10	-61.79	2.96	V	-53.65
LTE B66 (Main 1 ant) CH 132597 (1772.5)	7,090.00	-44.72	10.91	-48.97	4.48	H	-42.54
Sub6 n25(2)(Main 1 ANT) CH 376500 (1882.5)	7 530.00	-63.73	11.57	-48.96	4.60	V	-41.99
Sub6 n25(2) (Sub 5 ANT)	7 580.00	-63.23	11.61	-48.66	4.65	V	-41.70

CH 379000 (1895.0)							
Sub6 n66 (Main 1 ANT)							
CH 355500 (1777.5)	7 110.00	-61.45	10.80	-46.95	4.48	V	-40.63
Sub6 n66 (Sub 5 ANT)							
CH 355500 (1777.5)	7 110.00	-60.78	10.80	-46.28	4.48	H	-39.96

Mode, Channel, (Frequency)	Freq. (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm]	C.L	Pol.	Result (dBm)
Sub6 n77 (3450 MHz - 3550 MHz) CH 634332 (3515.0)	7 029.96	-41.95	11.04	-35.30	4.42	H	-28.68
Sub6 n77 (3700 MHz - 3980 MHz) CH 649334 (3740.01)	7480.02	-52..80	11.45	-45.26	4.62	H	-38.43

Modulation	Frequency		Mode	A3LSMF761U (dBm)	A3LSMF761B (dBm)	Deviation (dB)
	MHz	Ch.				
GSM1900	1909.8	810	Voice	-43.43	-43.02	-0.41
WCDMA B2 (Main 1 Ant)	1907.6	9538	RMC	-44.85	-43.35	-1.50
WCDMA B2 (Sub 5 Ant)	1852.4	9262	RMC	-44.21	-44.86	0.65
WCDMA B4 (Main 1 Ant)	1752.6	1513	RMC	-44.52	-44.13	-0.39
WCDMA B4 (Sub 5 Ant)	1752.6	1513	RMC	-45.17	-44.94	-0.23
WCDMA B5	826.4	4132	RMC	-51.87	-53.96	2.09
LTE B5 (B.W 5 MHz)	826.5	20425	QPSK	-54.34	-54.81	0.47
LTE B12(17) (B.W 1.4 MHz)	707.5	23095	QPSK	-55.29	-50.26	-5.03
LTE B13 (B.W 5 MHz)	782.0	23230	QPSK	-58.62	-58.34	-0.28
LTE B25 (Main 1 ant) (B.W 20 MHz)	1905.0	26590	QPSK	-39.87	-40.46	0.59
LTE B25 (Sub 5 ant) (B.W 20 MHz)	1860.0	26140	QPSK	-39.62	-39.21	-0.41
LTE B26(part22) (B.W 5 MHz)	836.5	26915	QPSK	-55.06	-53.65	-1.41
LTE B66 (Main 1 ant) (B.W 15 MHz)	1772.5	132597	QPSK	-41.82	-42.54	0.72
Sub6 n25(2)(Main 1 ANT) (B.W 40 MHz)	1882.5	376500	PI/2 BPSK	-41.21	-41.99	0.78
Sub6 n25(2) (Sub 5 ANT) (B.W 40 MHz)	1895.0	379000	PI/2 BPSK	-41.26	-41.70	0.44
Sub6 n66 (Main 1 ANT) (B.W 5 MHz)	1777.5	355500	PI/2 BPSK	-41.68	-40.63	-1.05
Sub6 n66 (Sub 5 ANT) (B.W 5 MHz)	1777.5	355500	PI/2 BPSK	-42.69	-39.96	-2.73
Sub6 n77 (3450 MHz - 3550 MHz) (B.W 70 MHz)	3515.00	634332	PI/2 BPSK	-31.90	-28.68	-3.22
Sub6 n77 (3700 MHz - 3980 MHz) (B.W 80 MHz)	3740.01	649334	PI/2 BPSK	-39.01	-38.43	-0.58

2. Summary of the spot check for Licensed EMC – Conducted

-2G3G-

Main 1 ANT

Mode	Channel	P.A.R. = P _{Pk} - P _{Avg} (dB)	Limit (dB)
GSM850	190	3.14	13
GSM850(Ori.)	190	3.16	

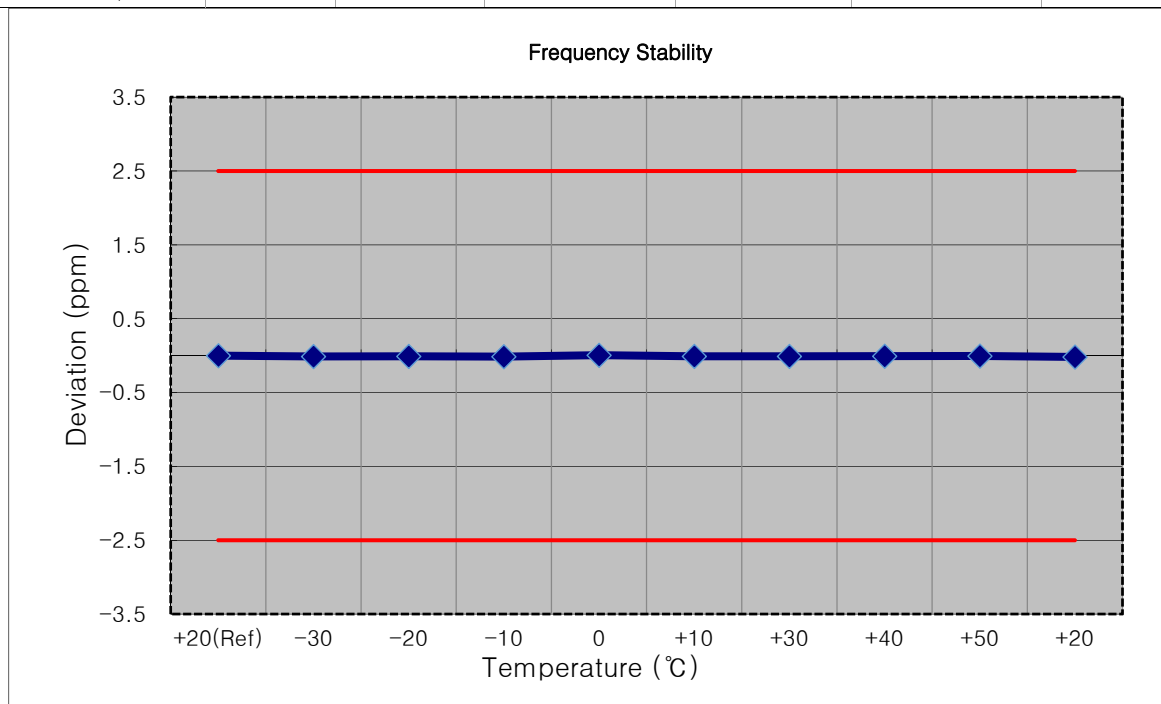
Mode	Channel	Frequency (MHz)	Data (kHz)
GSM850	190	836.60	248.00
GSM850(Ori.)	190	836.60	242.67

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
GSM850	836.6	3.7787	27.976	-57.82	-29.842	0.91
	836.6(Ori.)	6.6102	28.591	-57.53	-28.935	

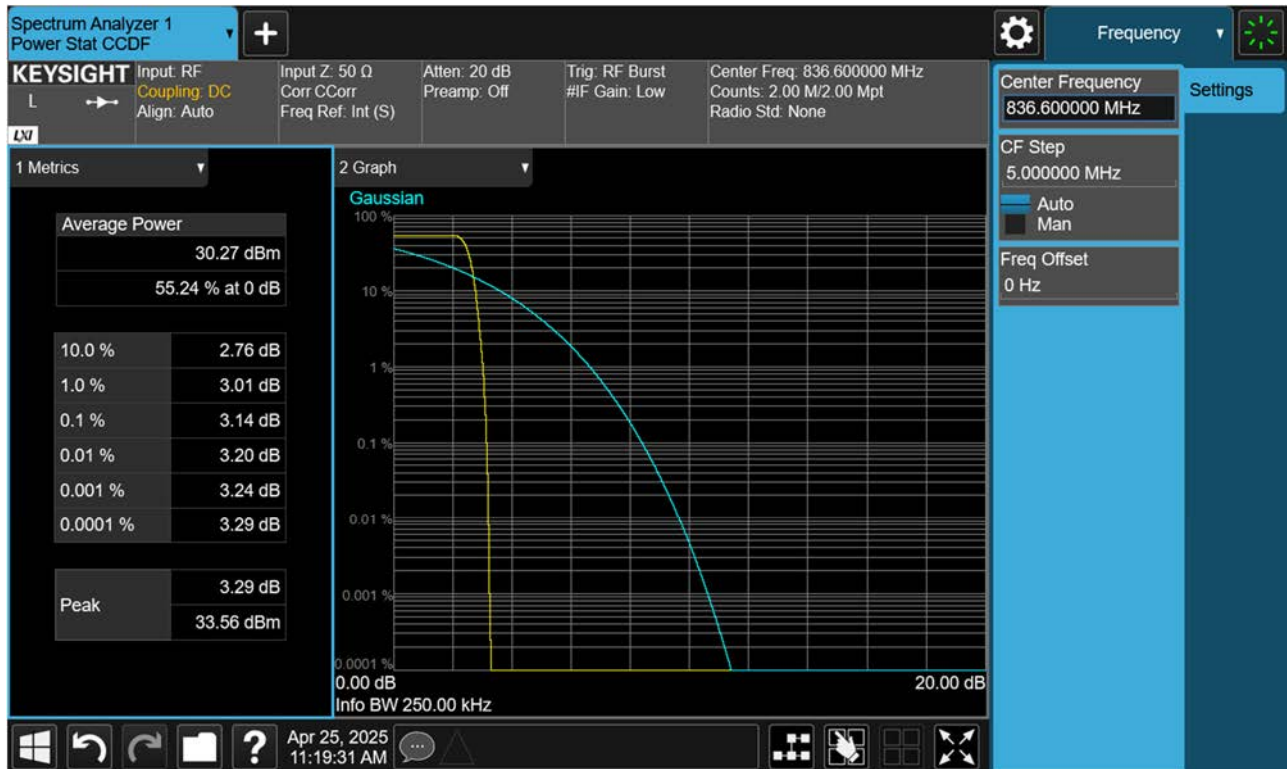
Mode	Channel	Maximum Data (dBm)						Gap (dB)		
		Block Edge 1	Block Edge 2	Block Edge 3	Block Edge 1 (Ori.)	Block Edge 2 (Ori.)	Block Edge 3 (Ori.)	Block Edge 1	Block Edge 2	Block Edge 3
GSM850	824.2	-	-23.244	-52.099	-	-22.579	-52.207	-	0.66	0.11
	848.8	-	-22.609	-52.766	-	-25.363	-52.825	-	2.75	0.06

☐ MODE: GSM850
☐ OPERATING FREQUENCY: 836,600,000 Hz
☐ CHANNEL: 190
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: $\pm 0.00025\%$ or 2.5 ppm

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	836 600 010	0.0	0.000 000	0.0000
100 %		-30	836 600 000	-9.6	-0.000 001	-0.0115
100 %		-20	836 600 003	-6.6	-0.000 001	-0.0079
100 %		-10	836 599 998	-11.1	-0.000 001	-0.0133
100 %		0	836 600 015	5.0	0.000 001	0.0060
100 %		+10	836 600 002	-7.5	-0.000 001	-0.0090
100 %		+30	836 600 003	-6.9	-0.000 001	-0.0082
100 %		+40	836 600 004	-5.5	-0.000 001	-0.0065
100 %		+50	836 600 005	-4.3	-0.000 001	-0.0052
Batt. Endpoint	3.300	+20	836 599 995	-14.7	-0.000 002	-0.0175



■ GSM850 MODE (190 CH.) Peak-to-Average Ratio



■ GSM850 MODE (190 CH.) Occupied Bandwidth



■ GSM850 MODE (190 CH.) Conducted Spurious Emissions



■ GSM850 MODE (128 CH.) Block Edge 1



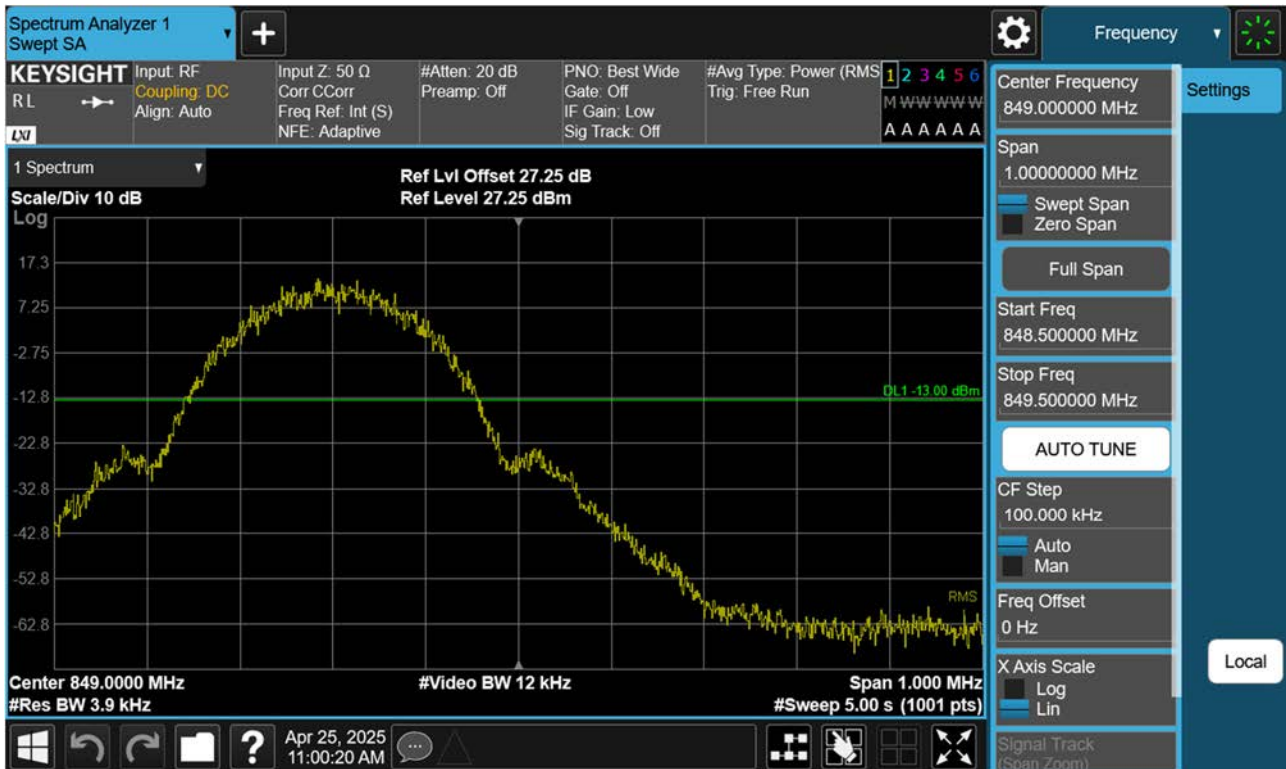
■ GSM850 MODE (128 CH.) Block Edge 2



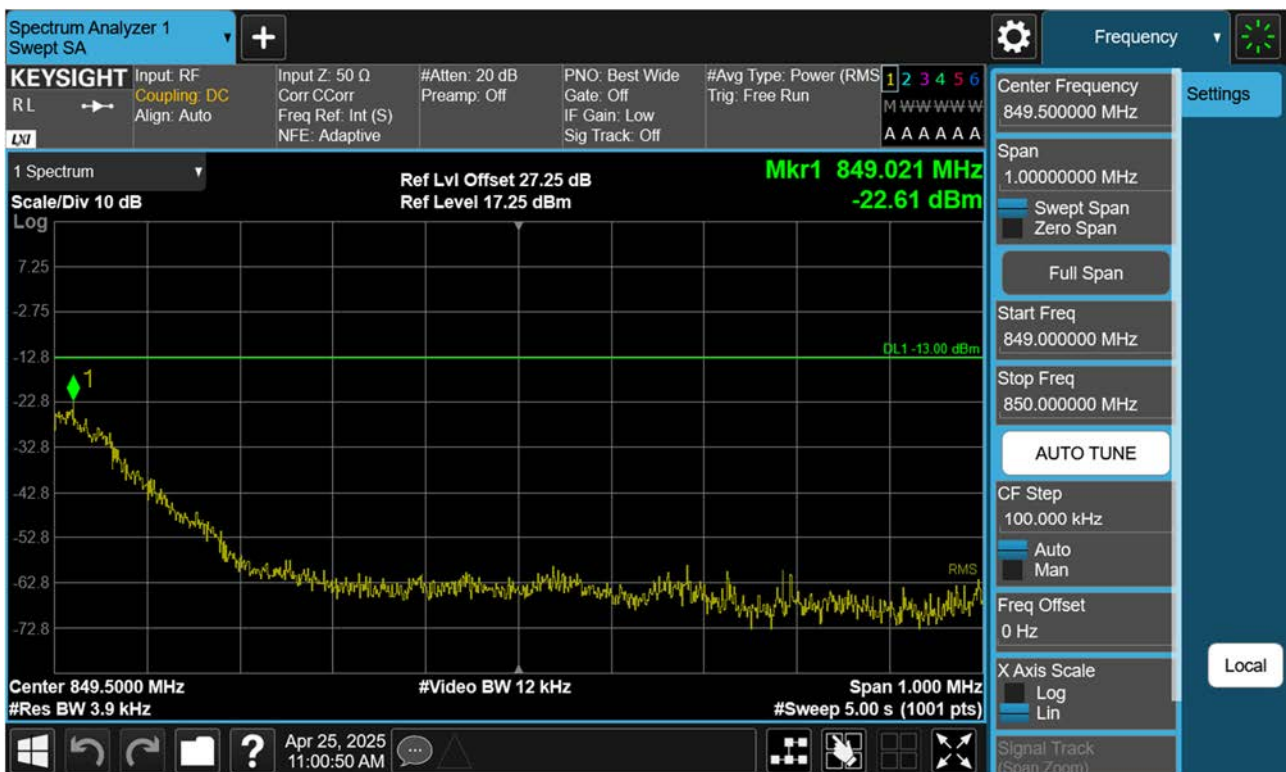
■ GSM850 MODE (128 CH.) Block Edge 3



■ GSM850 MODE (251 CH.) Block Edge 1



■ GSM850 MODE (251 CH.) Block Edge 2



■ GSM850 MODE (251 CH.) Block Edge 3



Mode	Channel	Measured PPk (dBm)	Measured PAvg (dBm)	PAvg (Duty Cycle)			P.A.R. = PPk - PAvg (dB)	Limit (dB)
				Tx Total (ms)	Tx On (ms)	Factor (dB)		
GSM1900	1880	29.994	20.19	4.6160	0.5475	9.26	0.55	13
GSM1900 (Ori.)	1880	27.835	14.71	4.616	0.5475	9.26	3.86	

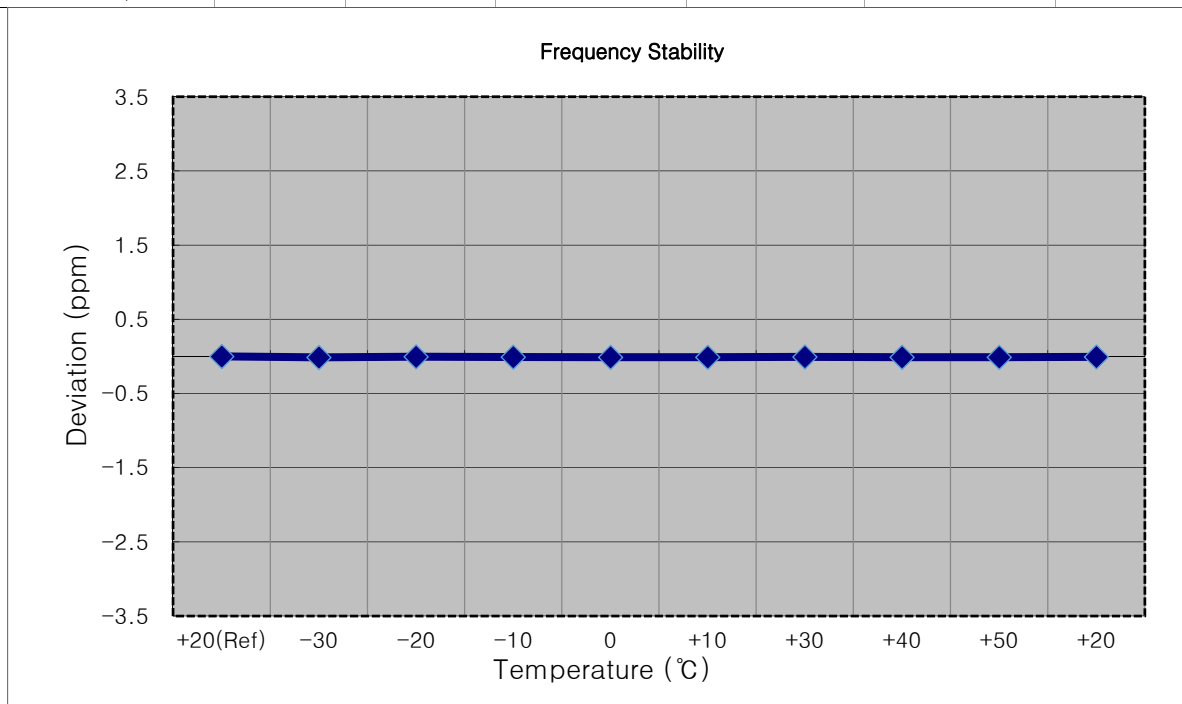
Mode	Channel	Frequency (MHz)	Data (kHz)
GSM1900	661	1880.00	243.83
GSM1900(Ori.)	661	1880.00	246.66

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
GSM1900	1880	19.27000	29.489	-53.989	-24.500	0.78
	1880 Ori.)	18.70000	29.489	-54.773	-25.284	

Mode	Channel	Maximum Data (dBm)						Gap (dB)		
		Block Edge 1	Block Edge 2	Block Edge 3	Block Edge 1 (Ori.)	Block Edge 2 (Ori.)	Block Edge 3 (Ori.)	Block Edge 1	Block Edge 2	Block Edge 3
GSM1900	1850.2	-	-25.755	-41.216	-	-25.766	-37.069	-	0.01	4.15
	1909.8	-	-25.815	-40.974	-	-26.685	-39.365	-	0.87	1.61

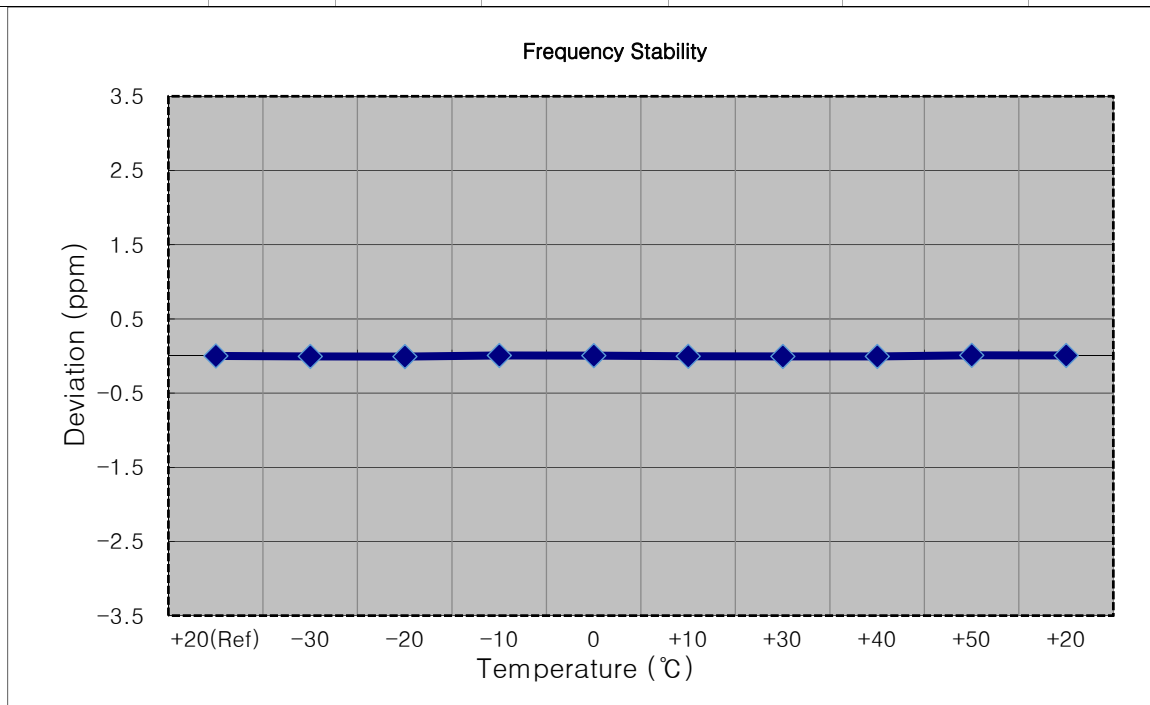
☐ Mode: GSM1900
☐ OPERATING FREQUENCY: 1850,200,000 Hz
☐ CHANNEL: 512
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1850 199 980	0.0	0.000 000	0.0000
100 %		-30	1850 199 957	-23.0	-0.000 001	-0.0124
100 %		-20	1850 199 971	-9.5	-0.000 001	-0.0051
100 %		-10	1850 199 964	-16.5	-0.000 001	-0.0089
100 %		0	1850 199 959	-21.6	-0.000 001	-0.0117
100 %		+10	1850 199 959	-21.3	-0.000 001	-0.0115
100 %		+30	1850 199 966	-14.4	-0.000 001	-0.0078
100 %		+40	1850 199 959	-21.2	-0.000 001	-0.0115
100 %		+50	1850 199 958	-21.9	-0.000 001	-0.0119
Batt. Endpoint	3.300	+20	1850 199 968	-12.3	-0.000 001	-0.0066



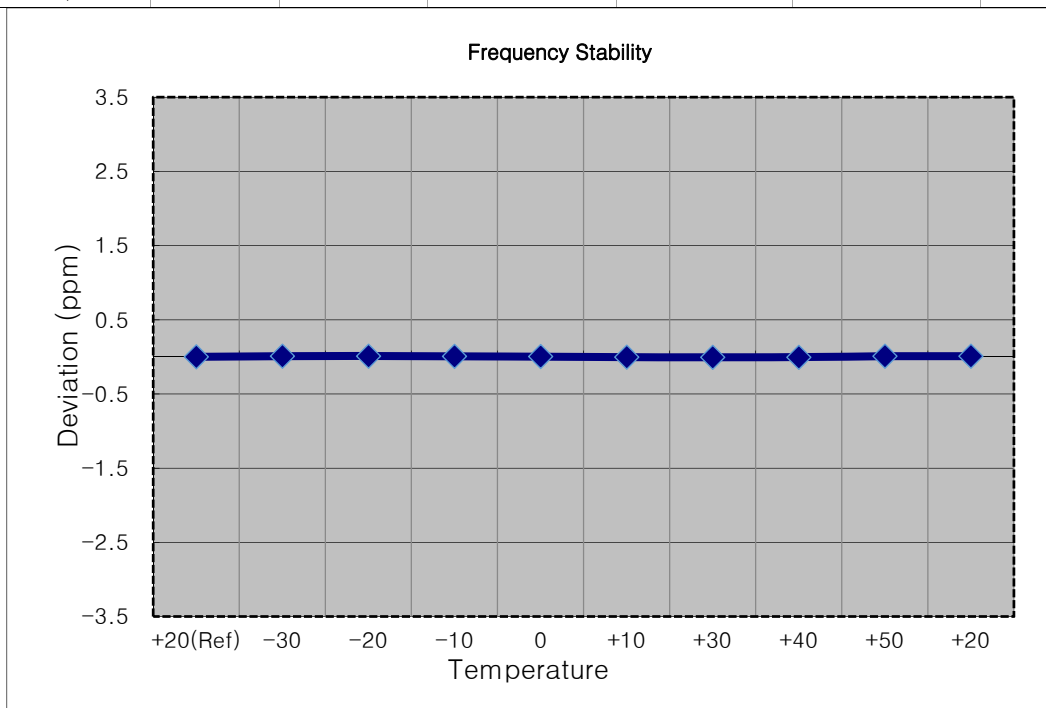
☐ Mode: GSM1900
☐ OPERATING FREQUENCY: 1880,000,000 Hz
☐ CHANNEL: 661
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1879 999 992	0.0	0.000 000	0.000
100 %		-30	1879 999 981	-10.6	-0.000 001	-0.006
100 %		-20	1879 999 976	-15.4	-0.000 001	-0.008
100 %		-10	1880 000 007	15.4	0.000 001	0.008
100 %		0	1880 000 003	11.4	0.000 001	0.006
100 %		+10	1879 999 983	-8.6	0.000 000	-0.005
100 %		+30	1879 999 980	-12.0	-0.000 001	-0.006
100 %		+40	1879 999 979	-12.4	-0.000 001	-0.007
100 %		+50	1880 000 009	17.2	0.000 001	0.009
Batt. Endpoint	3.300	+20	1880 000 004	11.8	0.000 001	0.006



☐ Mode: GSM1900
☐ OPERATING FREQUENCY: 1909,800,000 Hz
☐ CHANNEL: 810
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1909 800 016	0.0	0.000 000	0.000
100 %		-30	1909 800 032	16.1	0.000 001	0.008
100 %		-20	1909 800 032	16.6	0.000 001	0.009
100 %		-10	1909 800 029	13.1	0.000 001	0.007
100 %		0	1909 800 025	8.8	0.000 000	0.005
100 %		+10	1909 800 009	-6.9	0.000 000	-0.004
100 %		+30	1909 800 007	-9.2	0.000 000	-0.005
100 %		+40	1909 800 003	-12.3	-0.000 001	-0.006
100 %		+50	1909 800 035	19.5	0.000 001	0.010
Batt. Endpoint	3.300	+20	1909 800 034	18.2	0.000 001	0.010



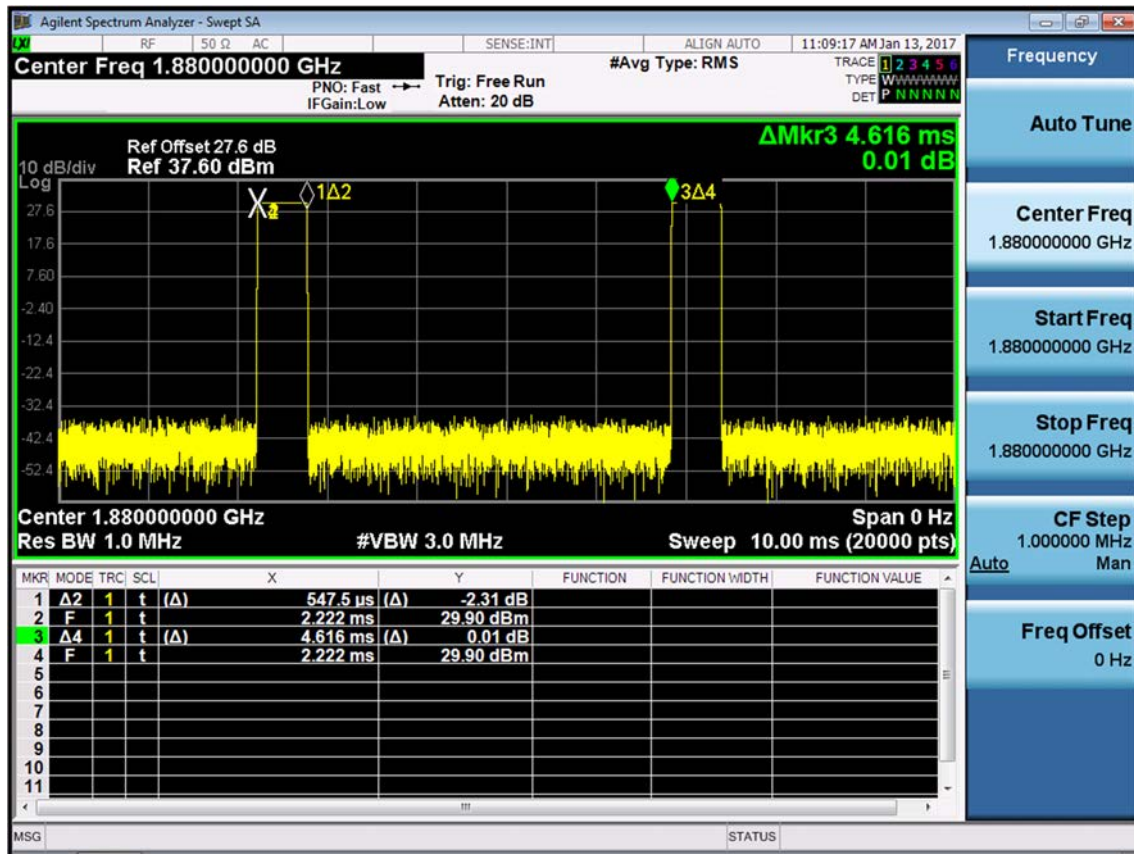
■ GSM1900 MODE (661 CH.) Peak-to-Average Ratio P_{Pk}



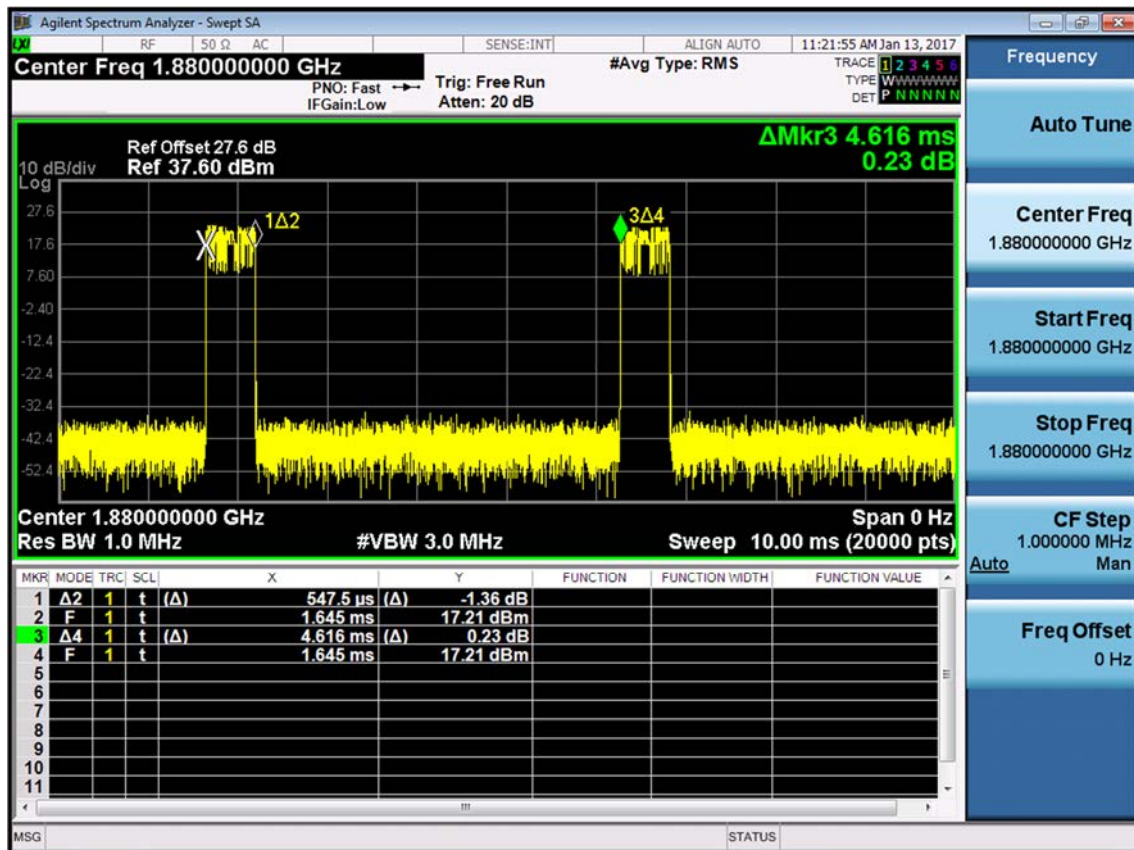
■ GSM1900 MODE (661 CH.) Peak-to-Average Ratio P_{Avg}



■ GSM1900 MODE (661 CH.) Peak-to-Average Ratio Duty



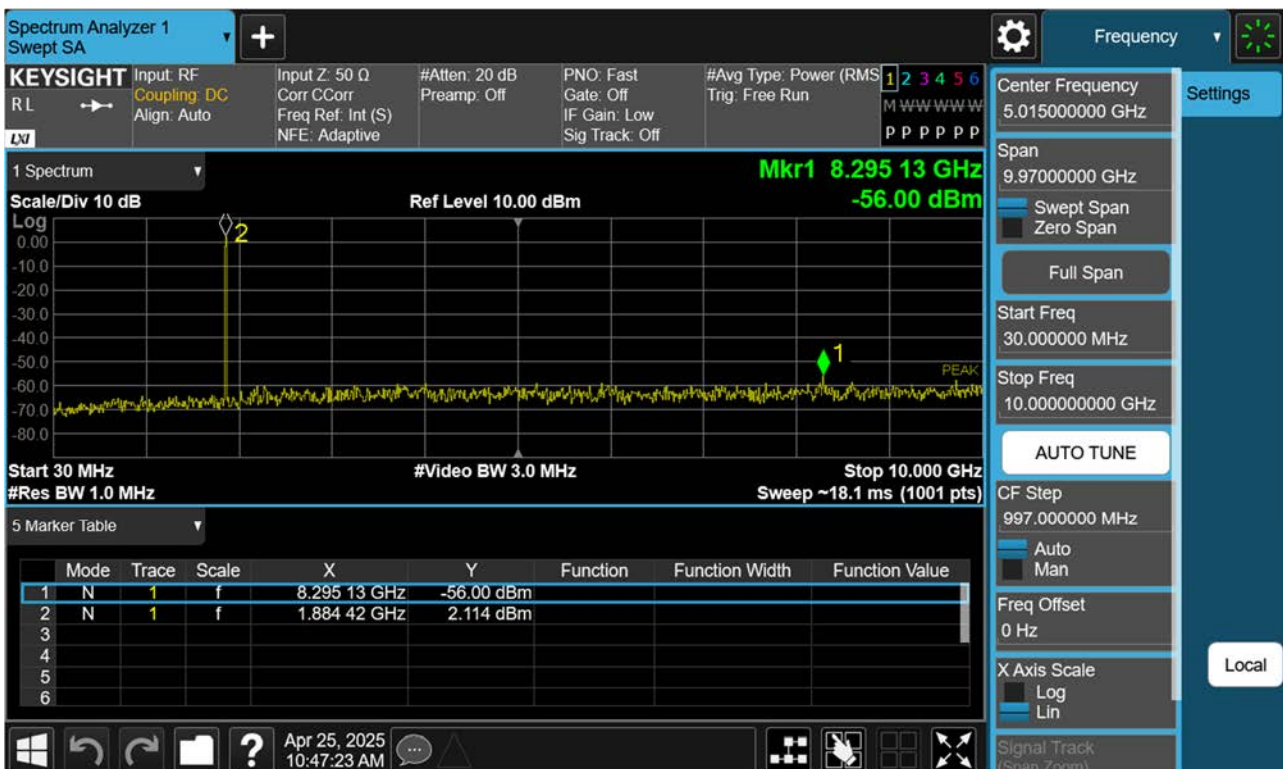
■ GSM1900 EDGE (661 CH.) Peak-to-Average Ratio Duty



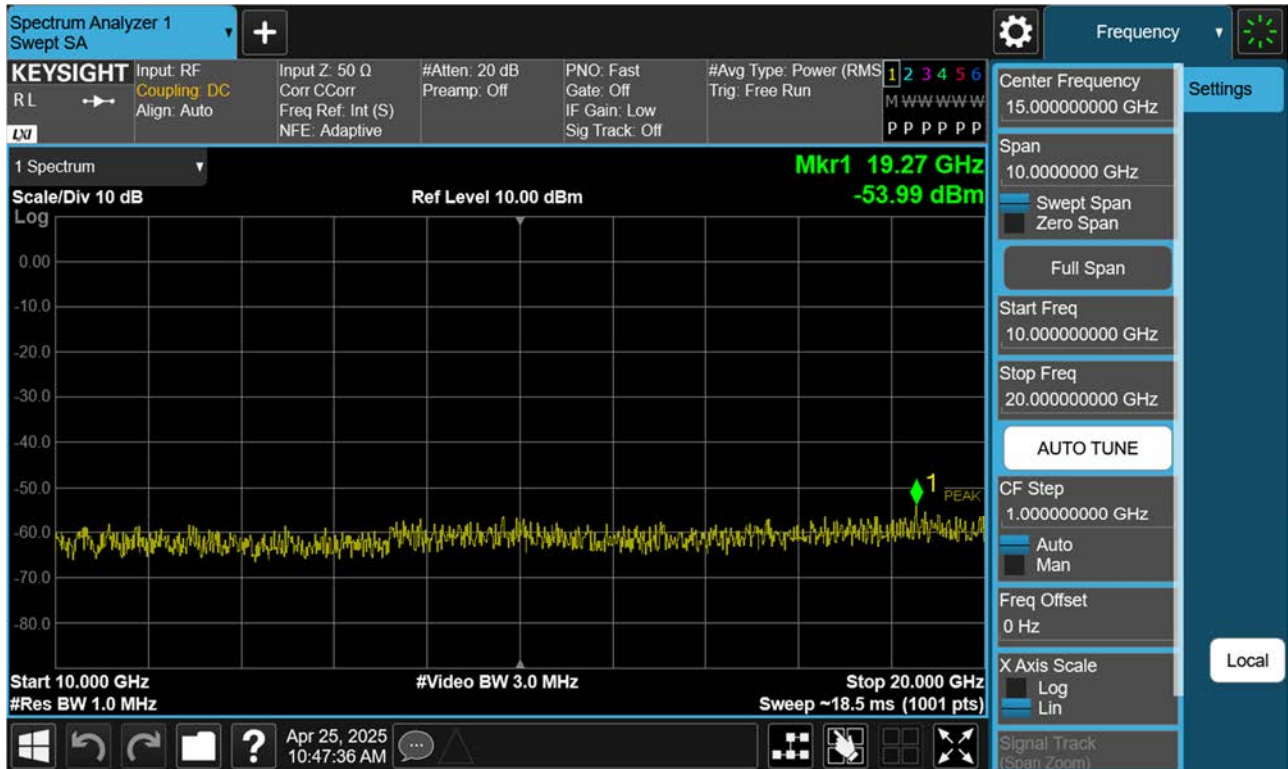
■ GSM1900 MODE (661 CH.) Occupied Bandwidth



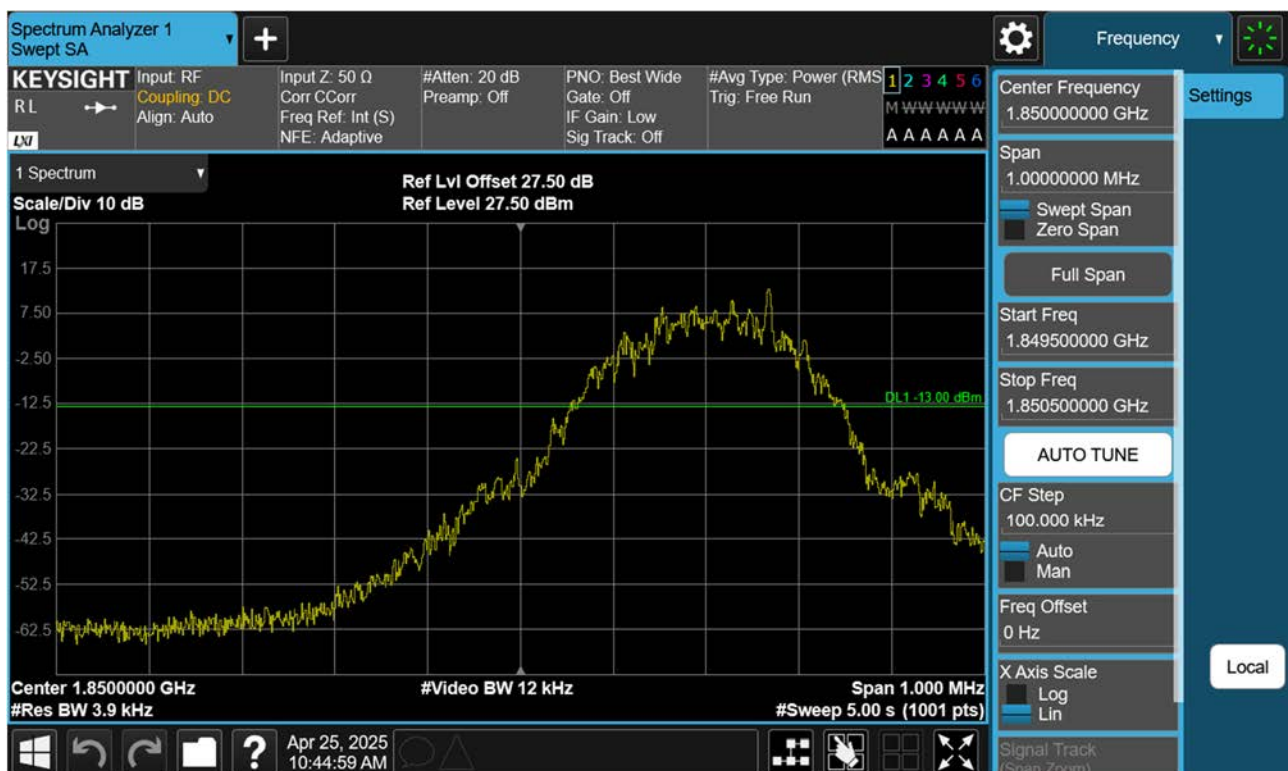
■ GSM1900 MODE (661 CH.) Conducted Spurious Emissions¹



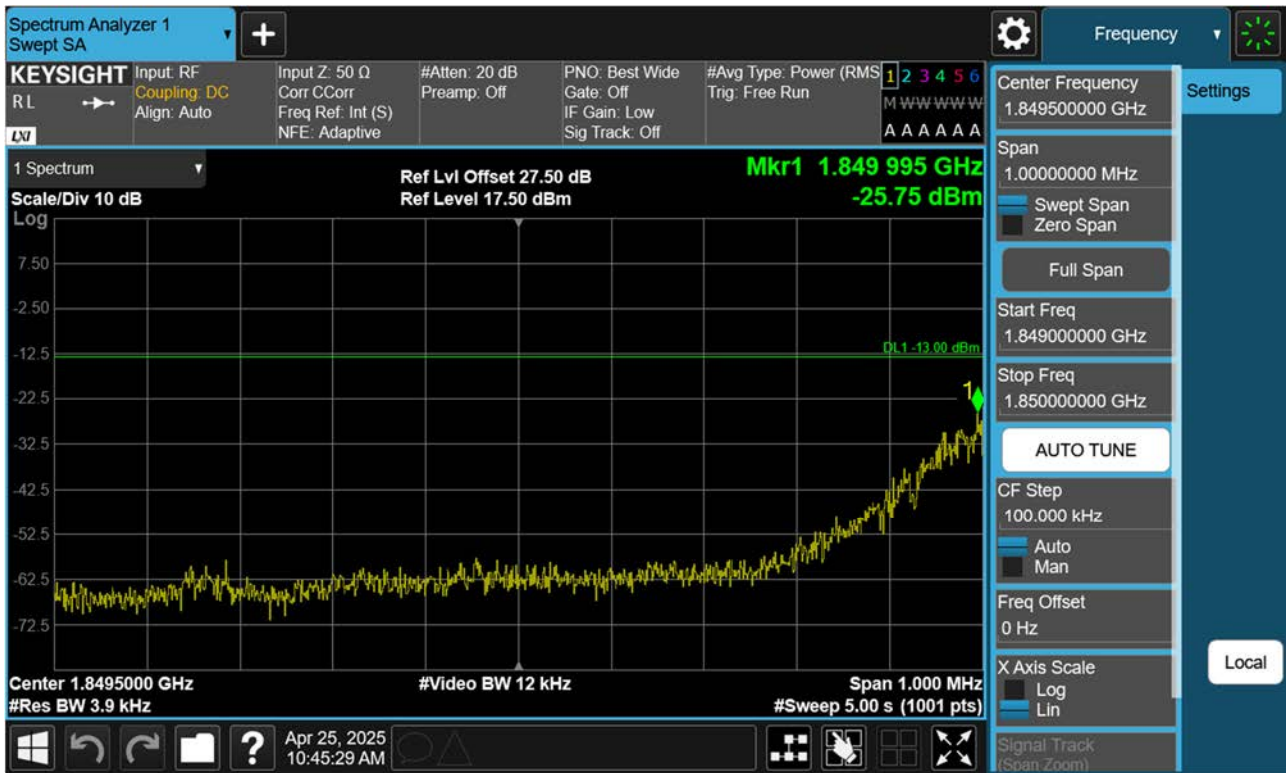
■ GSM1900 MODE (661 CH.) Conducted Spurious Emissions2



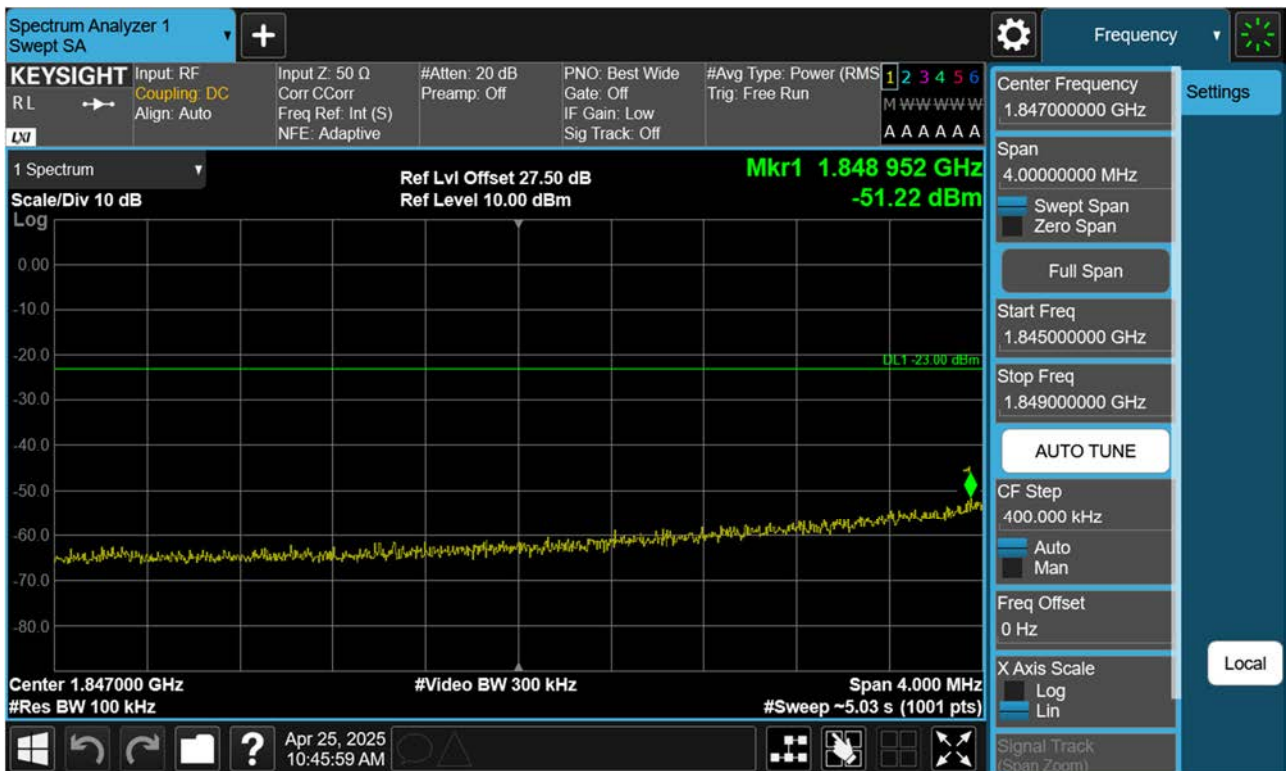
■ GSM1900 MODE (512 CH.) Block Edge 1



■ GSM1900 MODE (512 CH.) Block Edge 2



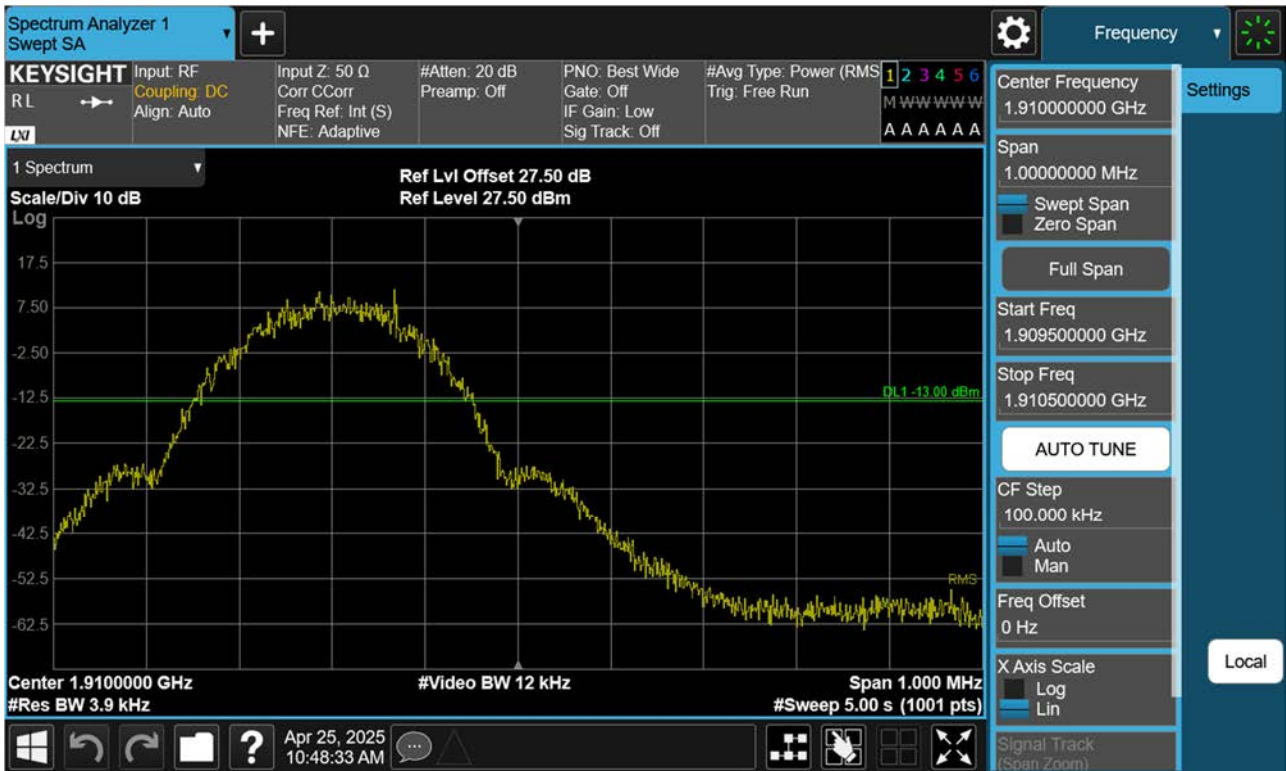
■ GSM1900 MODE (512 CH.) Block Edge 3



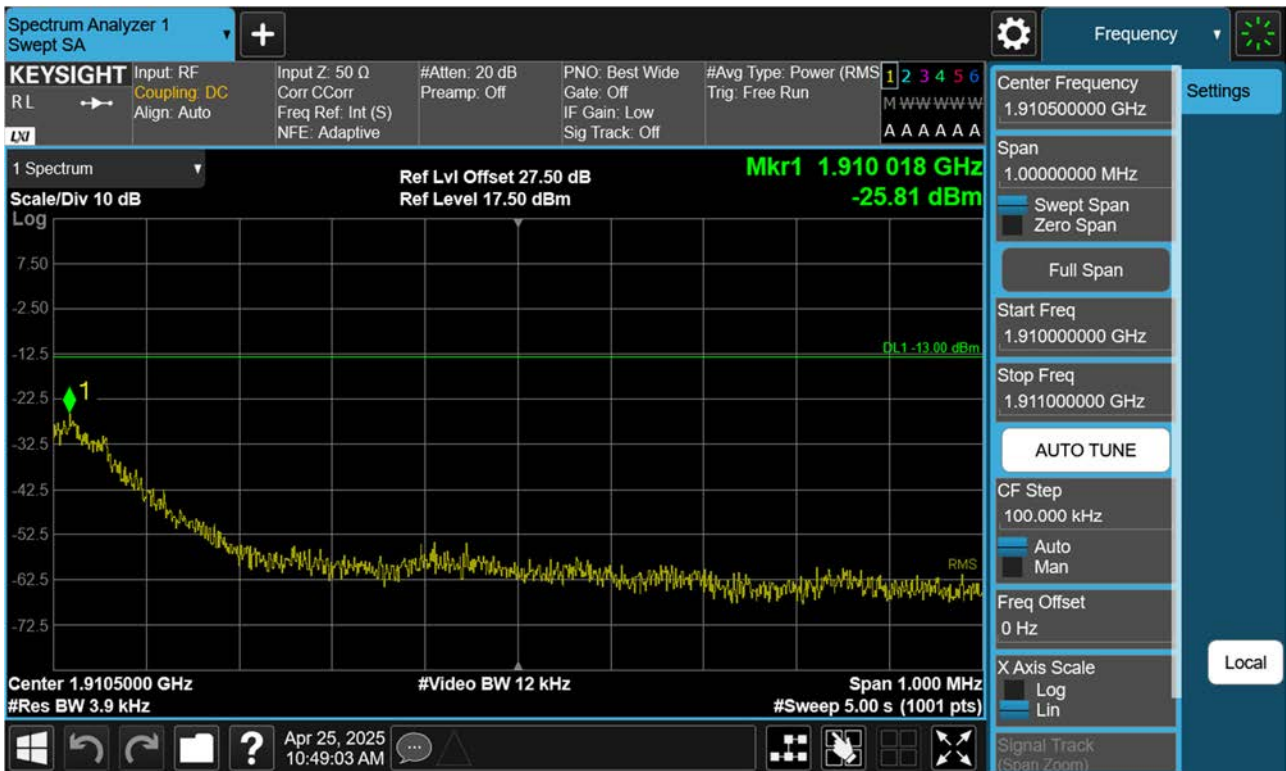
Note : We used a narrower RBW in order to increase accuracy.

$$\text{Calculation} = \text{Reading Value} + 10 \times \log(1 \text{ MHz}/100 \text{ kHz}) \text{ dB} = -51.22 \text{ dBm} + 10 \text{ dB} = -41.22 \text{ dBm}$$

■ GSM1900 MODE (810 CH.) Block Edge 1



■ GSM1900 MODE (810 CH.) Block Edge 2



■ GSM1900 MODE (810 CH.) Block Edge 3



Note : We used a narrower RBW in order to increase accuracy.

$$\text{Calculation} = \text{Reading Value} + 10 \times \log(1 \text{ MHz}/100 \text{ kHz}) \text{ dB} = -50.97 \text{ dBm} + 10 \text{ dB} = -40.97 \text{ dBm}$$

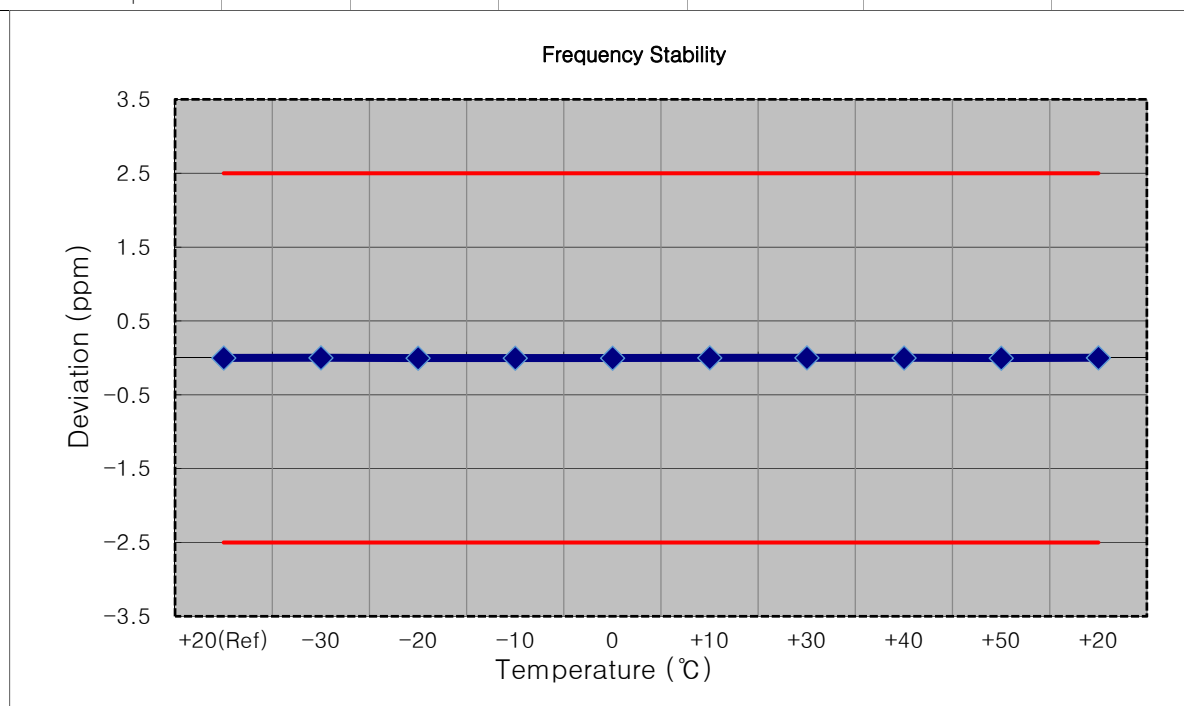
Mode	Channel	P.A.R. = PPk - PAvg (dB)	Limit (dB)
WCDMA850	4408	3.91	13
WCDMA850 (Ori.)	4408	2.11	

Mode	Channel	Frequency (MHz)	Data (MHz)
WCDMA850	4183	836.6	4.1936
WCDMA850 (Ori.)	4183	836.6	4.1725

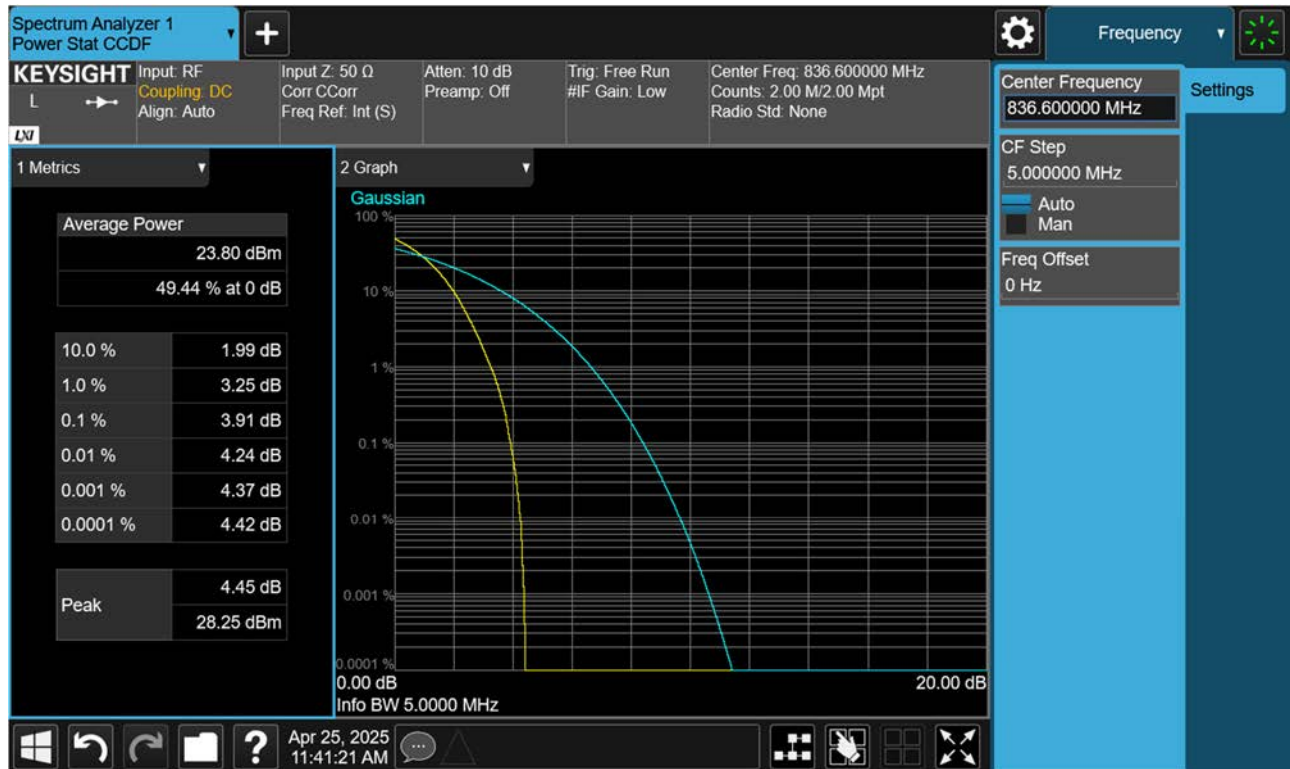
Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
WCDMA850	4183	8.5145	28.591	-68.537	-39.946	0.30
	4183(Ori.)	3.7388	27.976	-67.620	-39.644	

☐ Mode: WCDMA850
☐ OPERATING FREQUENCY: 836,600,000 Hz
☐ CHANNEL: 4183
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: $\pm 0.00025\%$ or 2.5 ppm

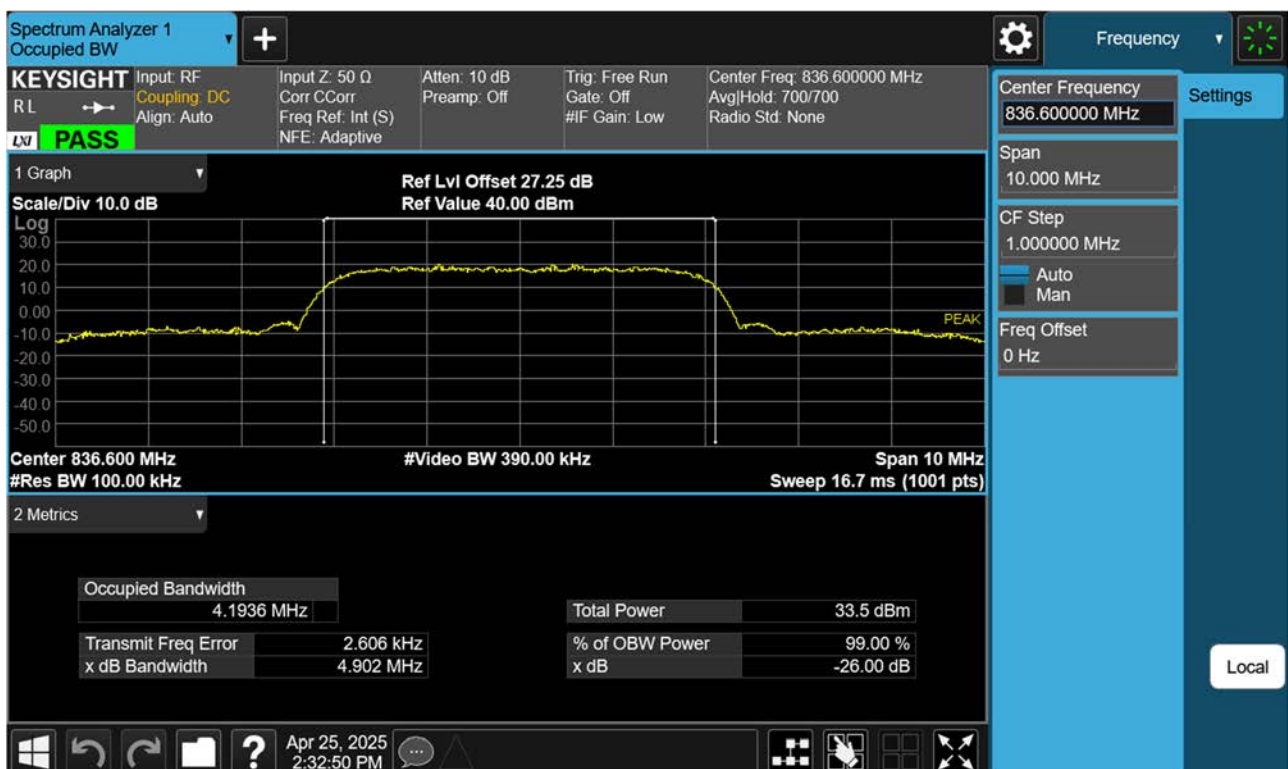
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	836 600 001	0.0	0.000 000	0.0000
100 %		-30	836 600 002	1.0	0.000 000	0.0012
100 %		-20	836 600 000	-1.5	0.000 000	-0.0017
100 %		-10	836 600 000	-1.5	0.000 000	-0.0018
100 %		0	836 600 000	-1.0	0.000 000	-0.0013
100 %		+10	836 600 002	1.1	0.000 000	0.0014
100 %		+30	836 600 002	1.5	0.000 000	0.0017
100 %		+40	836 600 000	-0.9	0.000 000	-0.0011
100 %		+50	836 600 000	-1.3	0.000 000	-0.0016
Batt. Endpoint	3.300	+20	836 600 002	1.4	0.000 000	0.0017



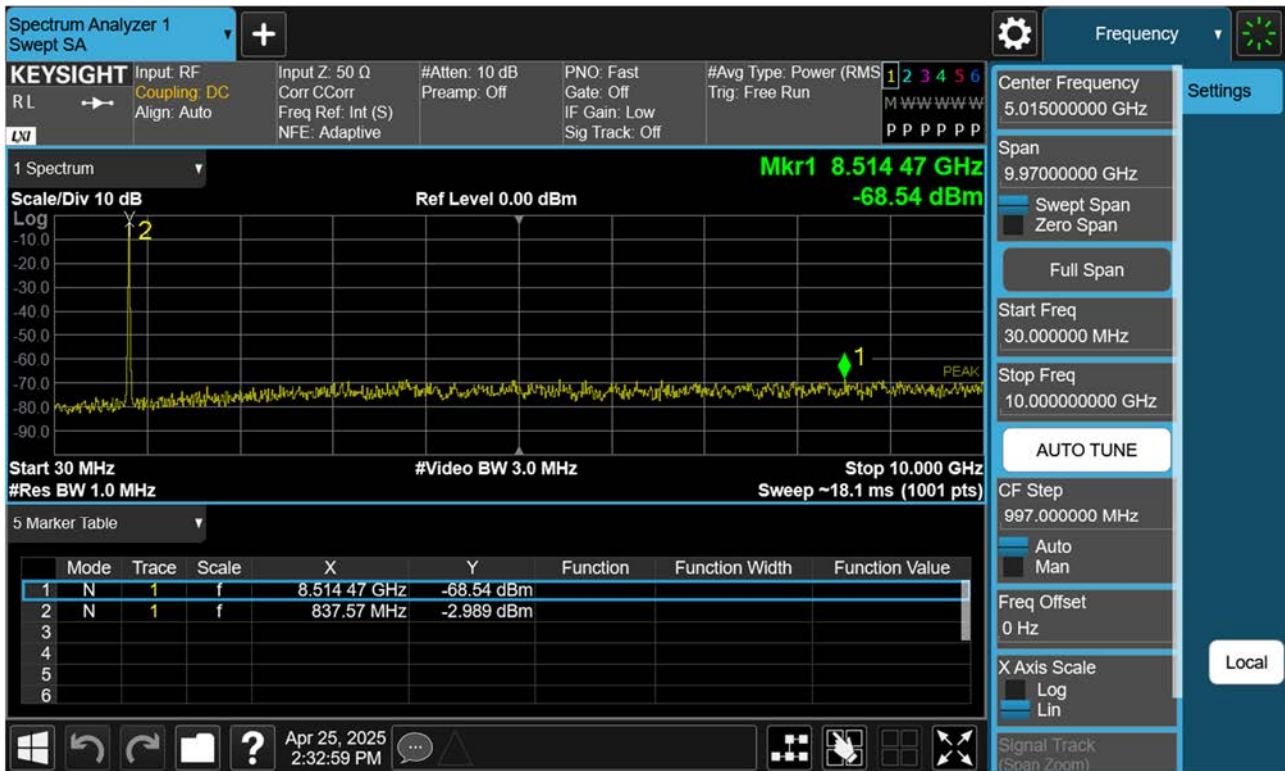
■ WCDMA850 MODE (4408 CH.) Peak-to-Average Ratio



■ WCDMA850 MODE (4183 CH.) Occupied Bandwidth



■ WCDMA850 MODE (4183 CH.) Conducted Spurious Emissions



Main 1 ANT

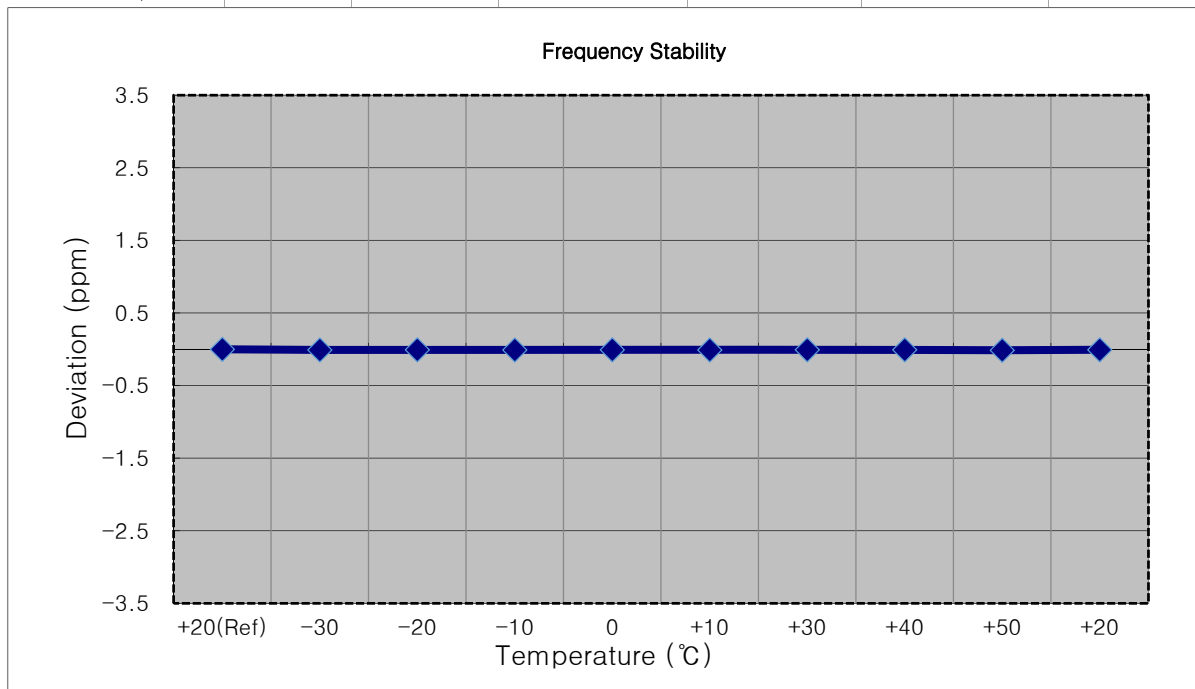
Mode	Channel	P.A.R. = P _{Pk} - P _{Avg} (dB)	Limit (dB)
WCDMA1900	9400	2.74	13
WCDMA1900(Ori.)	9400	2.30	

Mode	Channel	Frequency (MHz)	Data (MHz)
WCDMA1900	9400	1880.0	4.1569
WCDMA1900(Ori.)	9400	1880.0	4.1723

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
WCDMA1900	9400	19.0500	29.489	-65.603	-36.114	0.23
	9400 (Ori.)	15.6900	29.489	-65.377	-35.888	

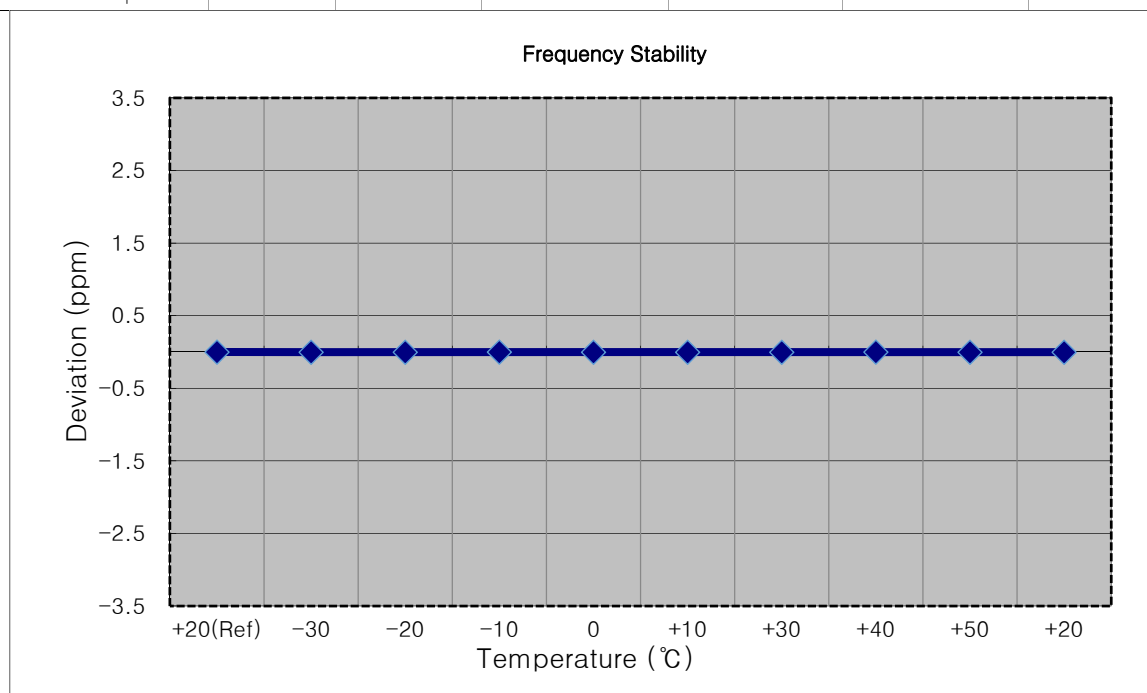
☒ Mode: WCDMA1900
☒ OPERATING
 FREQUENCY: 1,842,400,000 Hz
☒ CHANNEL: 9262
☒ REFERENCE VOLTAGE: 3.880 VDC
☒ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1852 399 987	0.0	0.000 000	0.0000
100 %		-30	1852 399 969	-17.9	-0.000 001	-0.0097
100 %		-20	1852 399 975	-12.5	-0.000 001	-0.0067
100 %		-10	1852 399 968	-19.0	-0.000 001	-0.0102
100 %		0	1852 399 974	-13.1	-0.000 001	-0.0071
100 %		+10	1852 399 972	-15.2	-0.000 001	-0.0082
100 %		+30	1852 399 973	-13.8	-0.000 001	-0.0075
100 %		+40	1852 399 973	-13.7	-0.000 001	-0.0074
100 %		+50	1852 399 963	-24.4	-0.000 001	-0.0132
Batt. Endpoint	3.300	+20	1852 399 973	-13.9	-0.000 001	-0.0075



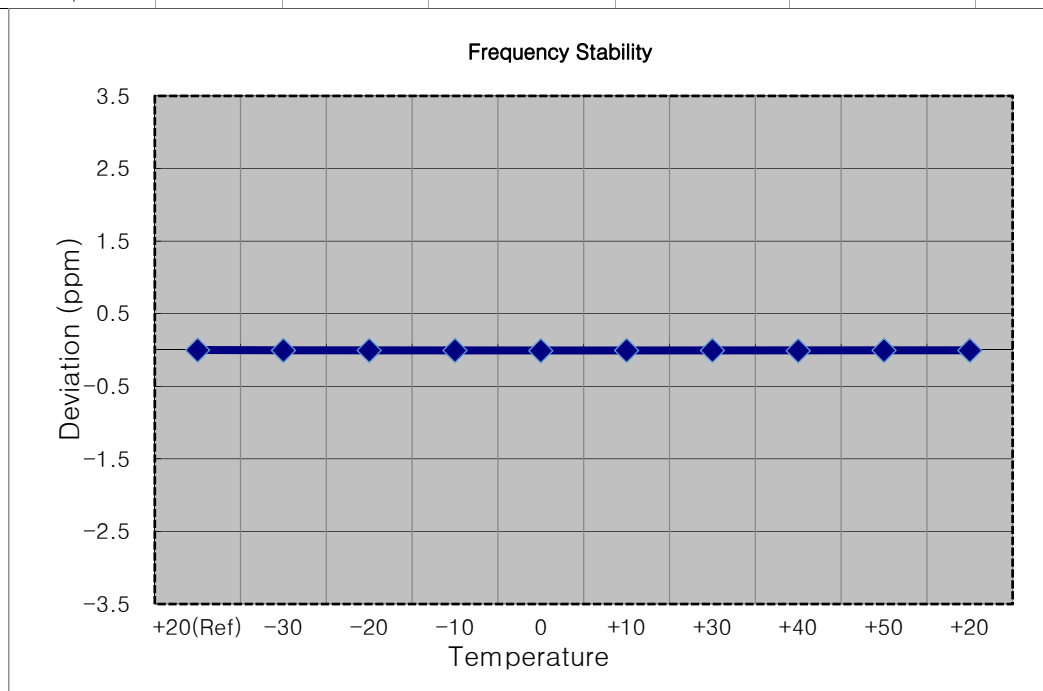
- Mode: WCDMA1900
- OPERATING FREQUENCY: 1,880,000,000 Hz
- CHANNEL: 9400
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1879 999 997	0.0	0.000 000	0.0000
100 %		-30	1879 999 994	-2.8	0.000 000	-0.0015
100 %		-20	1879 999 993	-3.4	0.000 000	-0.0018
100 %		-10	1879 999 994	-2.6	0.000 000	-0.0014
100 %		0	1879 999 993	-3.4	0.000 000	-0.0018
100 %		+10	1879 999 994	-2.8	0.000 000	-0.0015
100 %		+30	1879 999 991	-5.9	0.000 000	-0.0031
100 %		+40	1879 999 995	-1.8	0.000 000	-0.0010
100 %		+50	1879 999 994	-3.0	0.000 000	-0.0016
Batt. Endpoint	3.300	+20	1879 999 992	-4.9	0.000 000	-0.0026

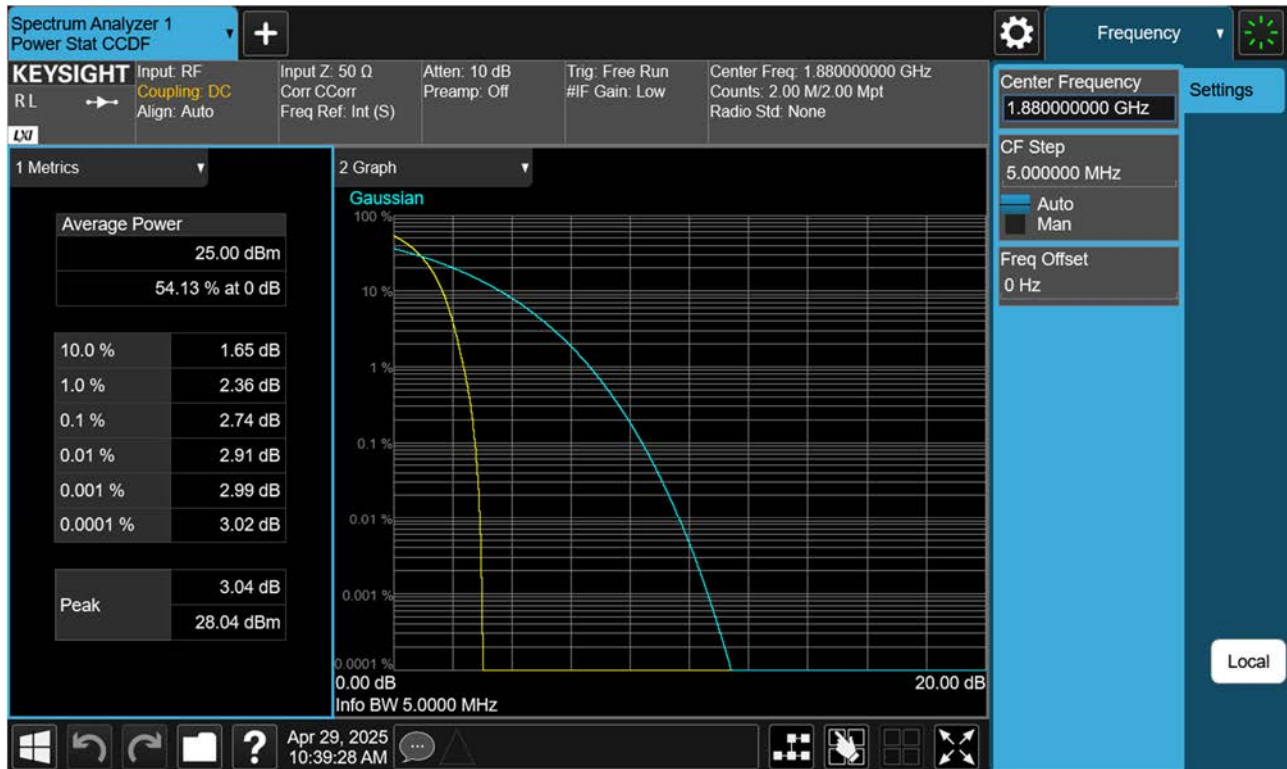


☐ Mode: WCDMA1900
☐ OPERATING FREQUENCY: 1,907,600,000 Hz
☐ CHANNEL: 9538
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1907 599 993	0.0	0.000 000	0.0000
100 %		-30	1907 599 985	-7.7	0.000 000	-0.0040
100 %		-20	1907 599 985	-7.2	0.000 000	-0.0037
100 %		-10	1907 599 985	-8.0	0.000 000	-0.0042
100 %		0	1907 599 974	-18.3	-0.000 001	-0.0096
100 %		+10	1907 599 983	-9.2	0.000 000	-0.0048
100 %		+30	1907 599 986	-7.0	0.000 000	-0.0037
100 %		+40	1907 599 974	-19.1	-0.000 001	-0.0100
100 %		+50	1907 599 984	-8.6	0.000 000	-0.0045
Batt. Endpoint	3.300	+20	1907 599 985	-7.9	0.000 000	-0.0041



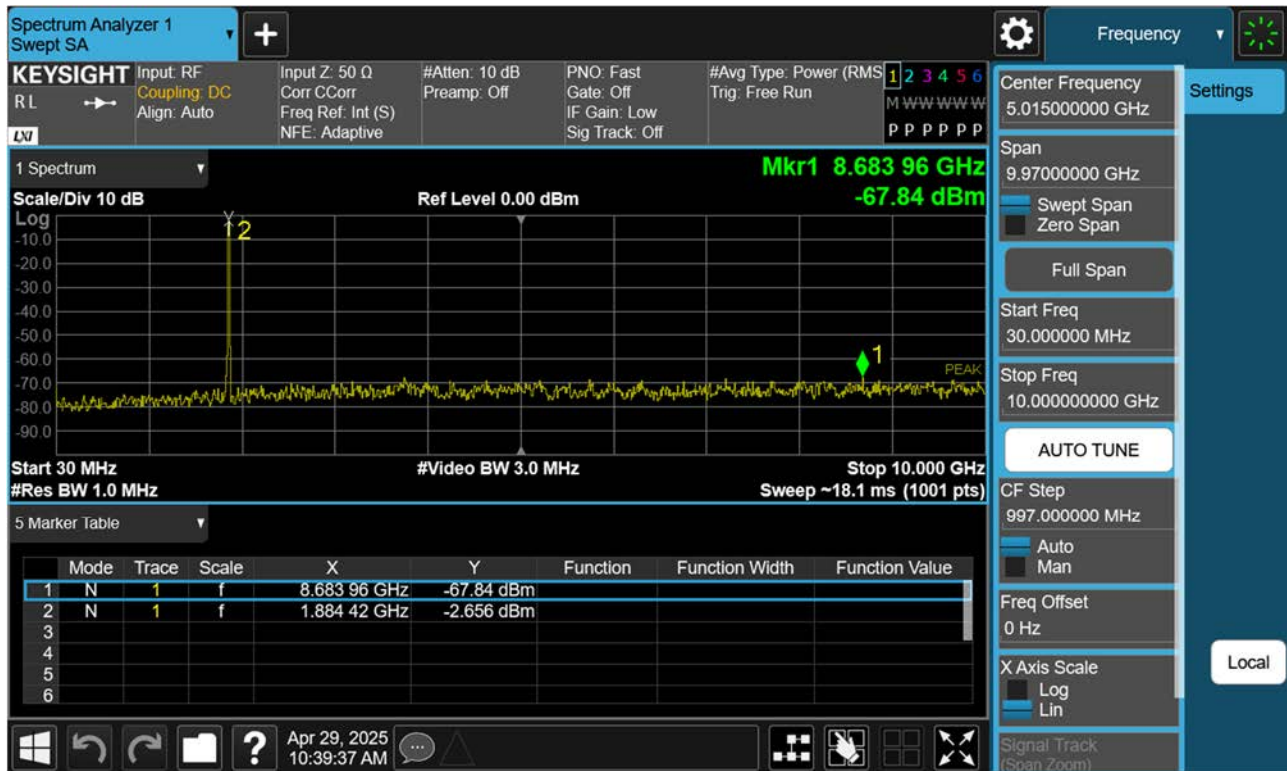
■ WCDMA1900 MODE (9400 CH.) Peak-to-Average Ratio



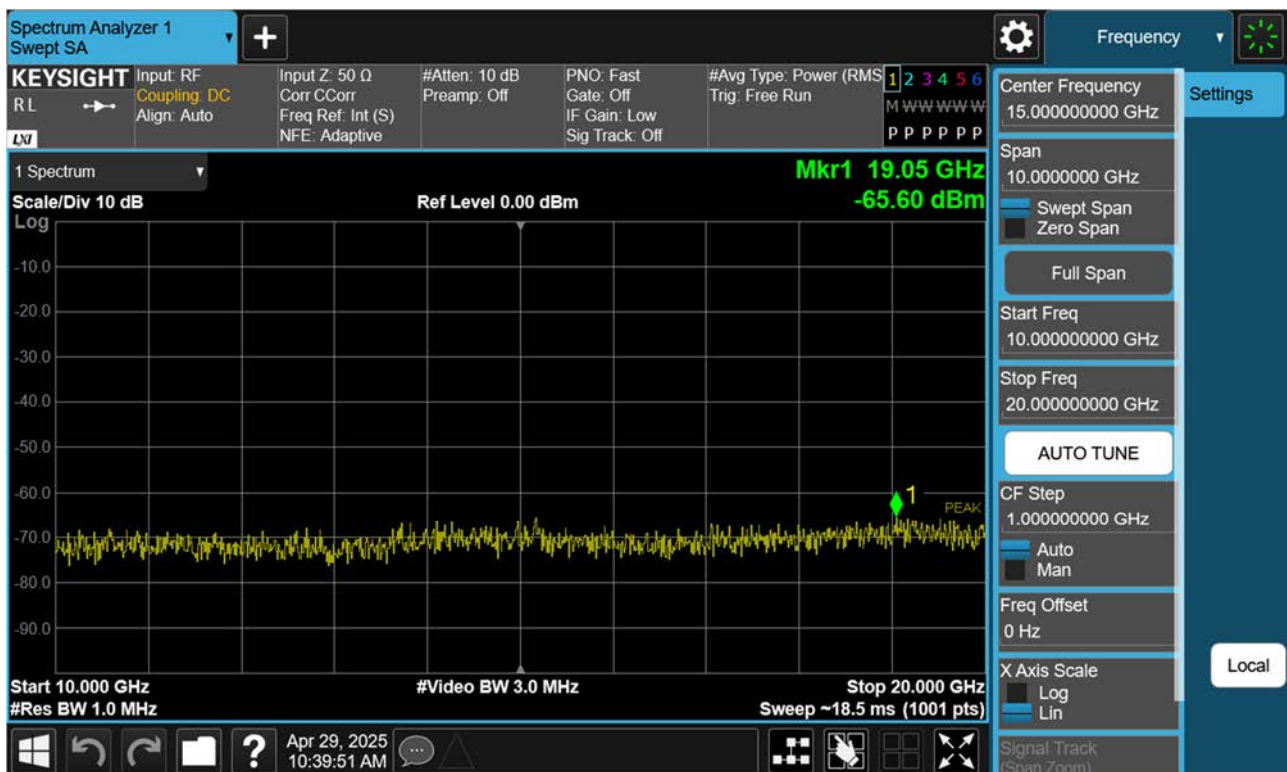
■ WCDMA1900 MODE (9400 CH.) Occupied Bandwidth



■ WCDMA1900 MODE (9400 CH.) Conducted Spurious Emissions1



■ WCDMA1900 MODE (9400 CH.) Conducted Spurious Emissions2



Main 1 ANT

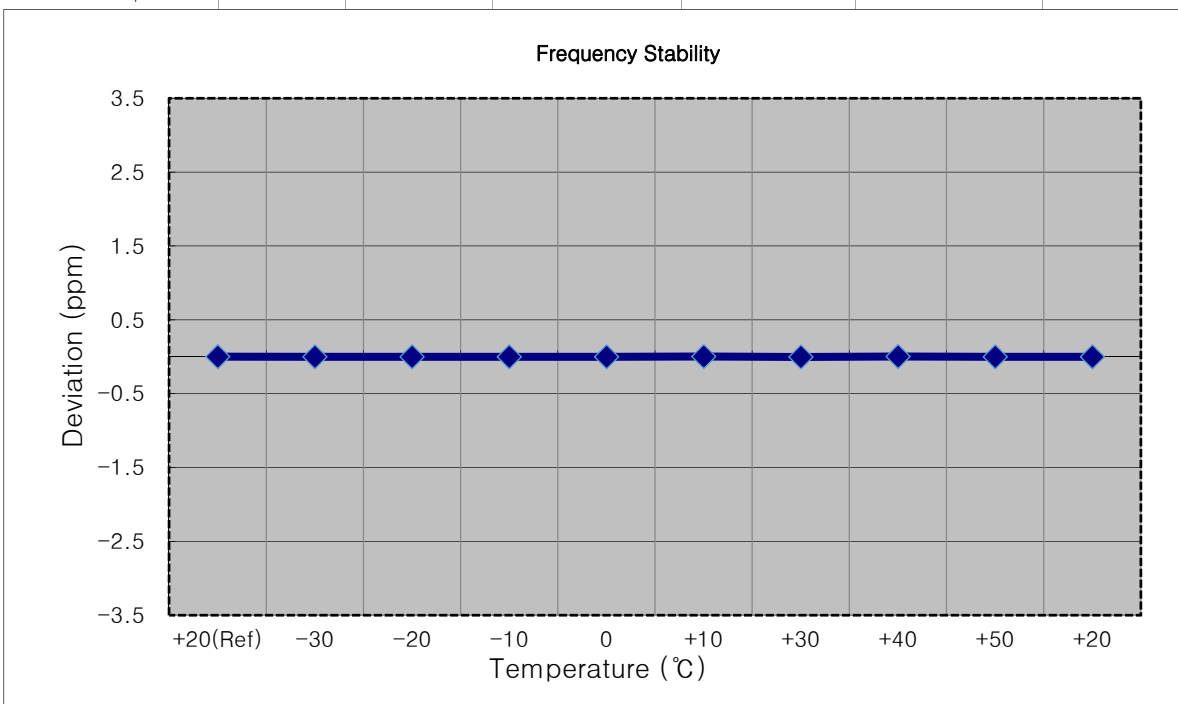
Mode	Channel	P.A.R. (dB)	Limit (dB)
WCDMA1700	1732.4	2.86	13
WCDMA1700(Ori.)	1732.4	2.70	

Mode	Channel	Frequency (MHz)	Data (MHz)
WCDMA1700	1412	1732.40	4.1514
WCDMA1700(Ori.)	1412	1732.40	4.1725

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
WCDMA1700	1732.4	19.37000	29.489	-65.522	-36.033	3.61
	1732.4(Ori.)	3.7388	27.976	-67.620	-39.644	

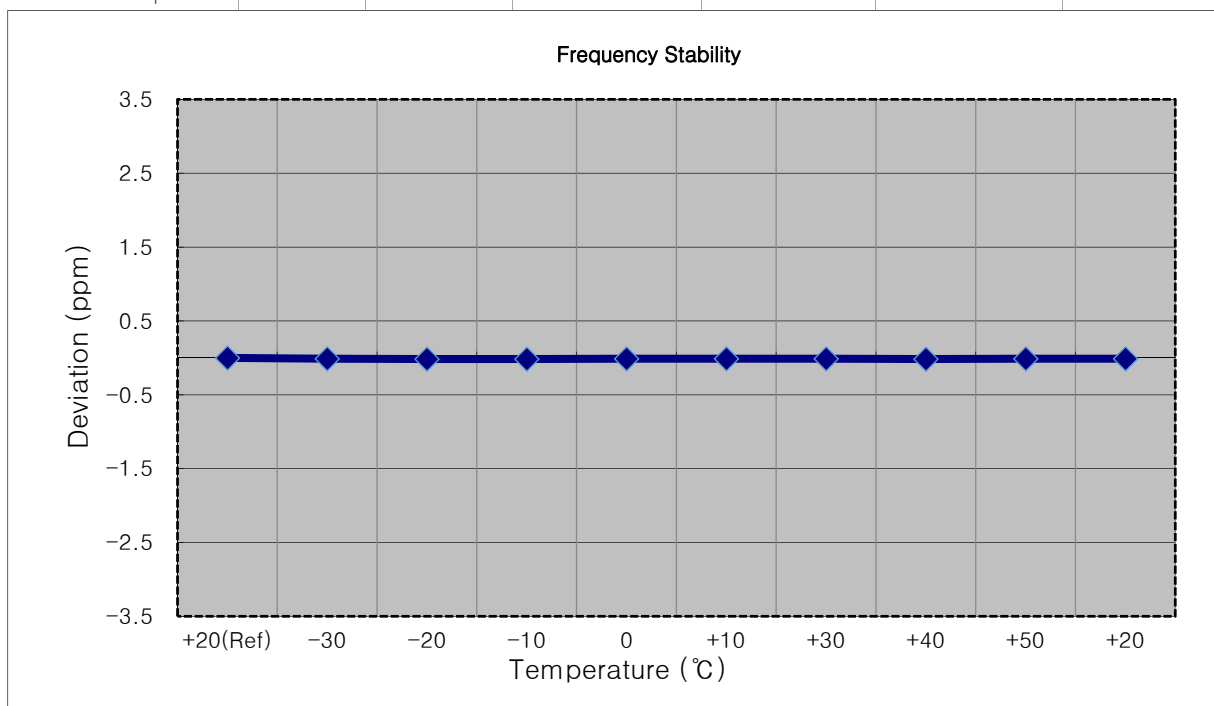
- ▣ Mode: WCDMA1700
- ▣ OPERATING FREQUENCY: 1,712,400,000 Hz
- ▣ CHANNEL: 1312
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1712 400 005	0.0	0.000 000	0.0000
100 %		-30	1712 400 002	-3.5	0.000 000	-0.0021
100 %		-20	1712 400 003	-2.3	0.000 000	-0.0014
100 %		-10	1712 400 001	-4.5	0.000 000	-0.0026
100 %		0	1712 400 004	-1.5	0.000 000	-0.0009
100 %		+10	1712 400 008	2.9	0.000 000	0.0017
100 %		+30	1712 399 998	-7.8	0.000 000	-0.0046
100 %		+40	1712 400 009	3.8	0.000 000	0.0022
100 %		+50	1712 400 001	-4.5	0.000 000	-0.0026
Batt. Endpoint	3.300	+20	1712 400 004	-1.3	0.000 000	-0.0007



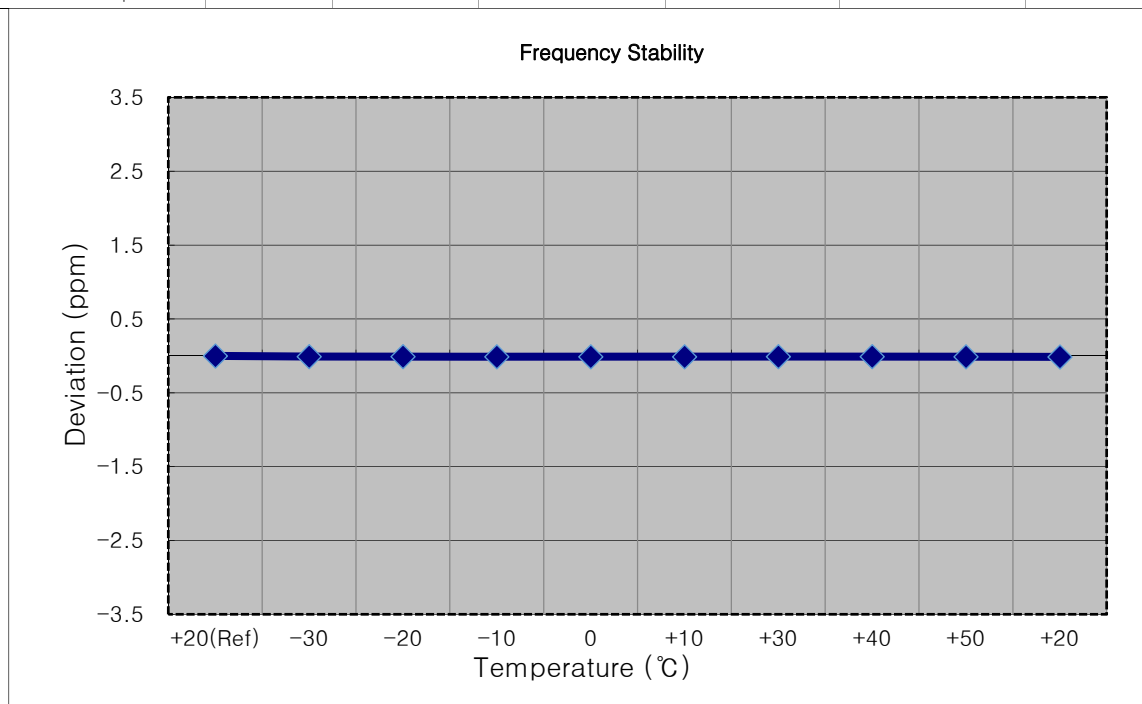
- ☐ Mode: WCDMA1700
☐ OPERATING FREQUENCY: 1,732,400,000 Hz
☐ CHANNEL: 1412
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1732 399 981	0.0	0.000 000	0.0000
100 %		-30	1732 399 963	-18.4	-0.000 001	-0.0106
100 %		-20	1732 399 955	-25.9	-0.000 001	-0.0150
100 %		-10	1732 399 956	-25.4	-0.000 001	-0.0146
100 %		0	1732 399 963	-18.4	-0.000 001	-0.0106
100 %		+10	1732 399 963	-18.1	-0.000 001	-0.0105
100 %		+30	1732 399 963	-17.9	-0.000 001	-0.0103
100 %		+40	1732 399 956	-25.2	-0.000 001	-0.0145
100 %		+50	1732 399 964	-17.8	-0.000 001	-0.0103
Batt. Endpoint	3.300	+20	1732 399 962	-19.3	-0.000 001	-0.0112



- Mode: WCDMA1700
- OPERATING FREQUENCY: 1,752,400,000 Hz
- CHANNEL: 1513
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

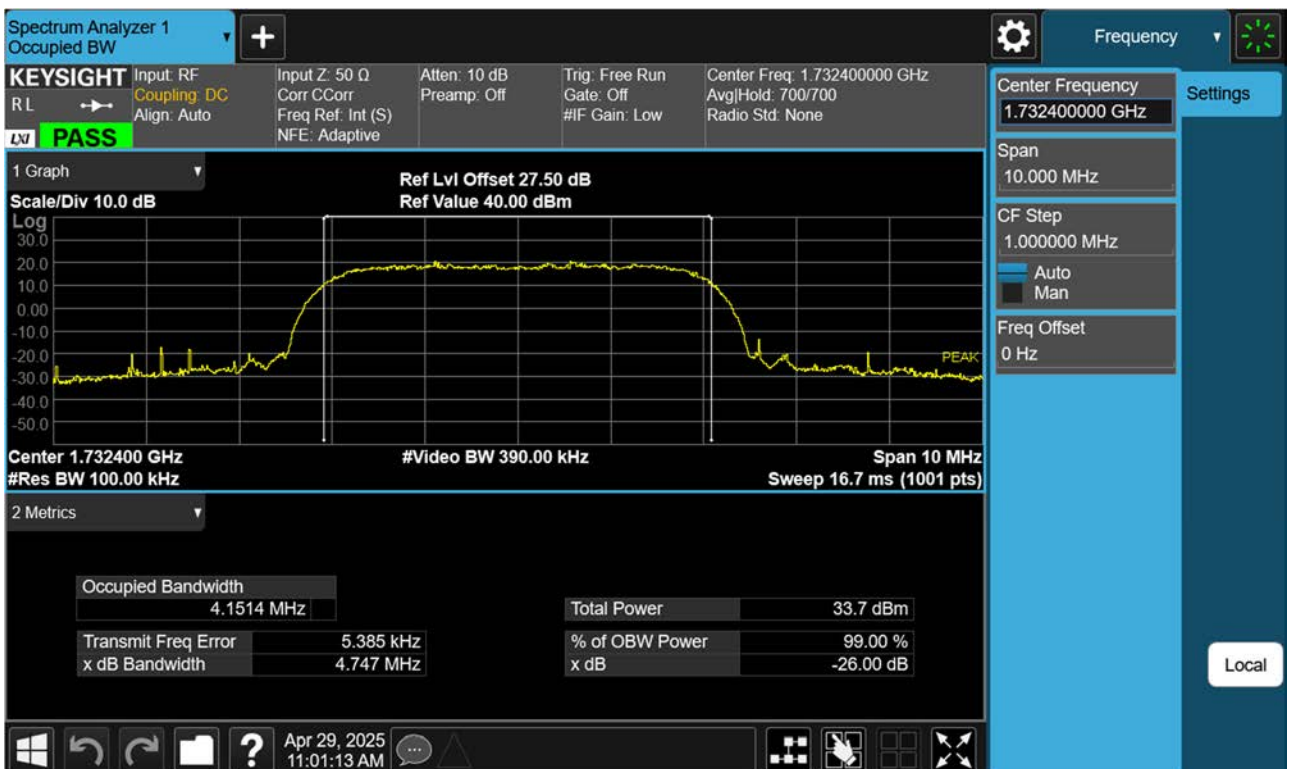
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1752 599 983	0.0	0.000 000	0.0000
100 %		-30	1752 599 966	-17.1	-0.000 001	-0.0097
100 %		-20	1752 599 966	-16.9	-0.000 001	-0.0096
100 %		-10	1752 599 965	-17.8	-0.000 001	-0.0101
100 %		0	1752 599 965	-18.0	-0.000 001	-0.0103
100 %		+10	1752 599 966	-17.3	-0.000 001	-0.0099
100 %		+30	1752 599 966	-17.0	-0.000 001	-0.0097
100 %		+40	1752 599 967	-16.1	-0.000 001	-0.0092
100 %		+50	1752 599 965	-18.1	-0.000 001	-0.0103
Batt. Endpoint	3.300	+20	1752 599 960	-23.3	-0.000 001	-0.0133



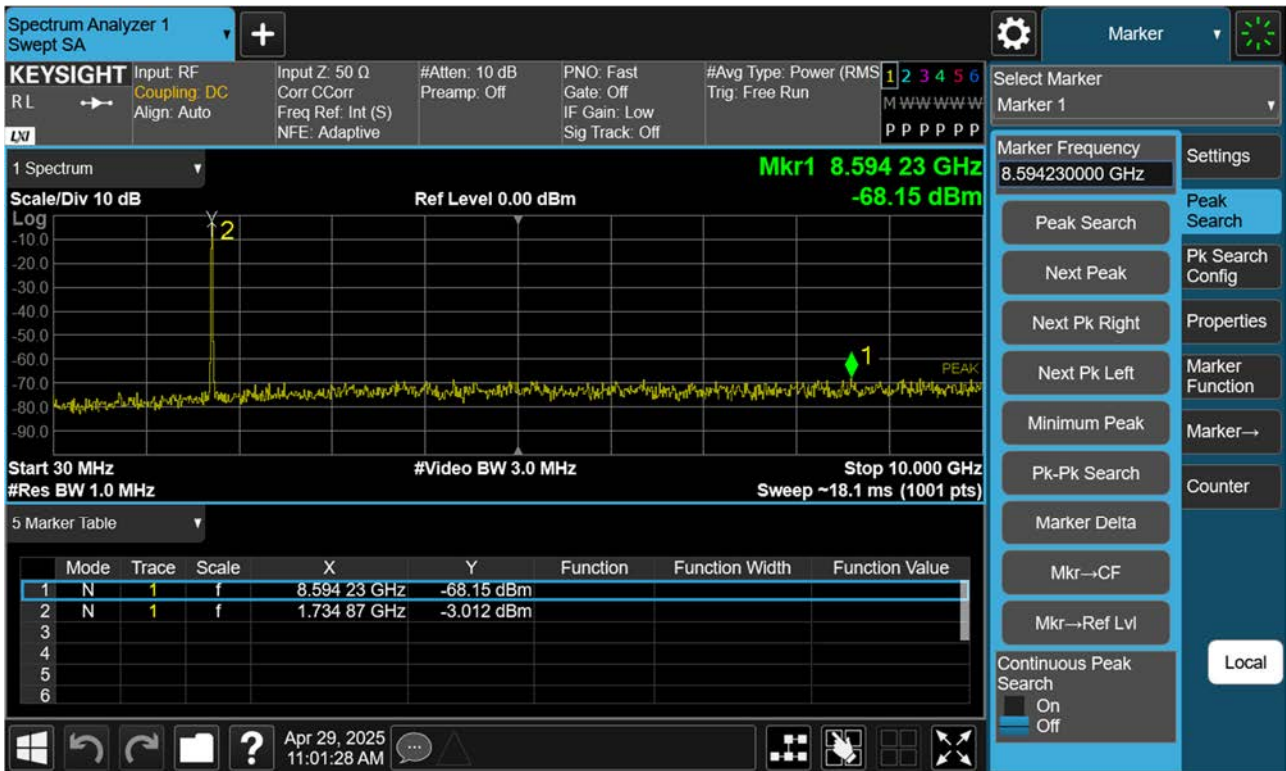
■ WCDMA1700 MODE (1412 CH.) Peak-to-Average Ratio



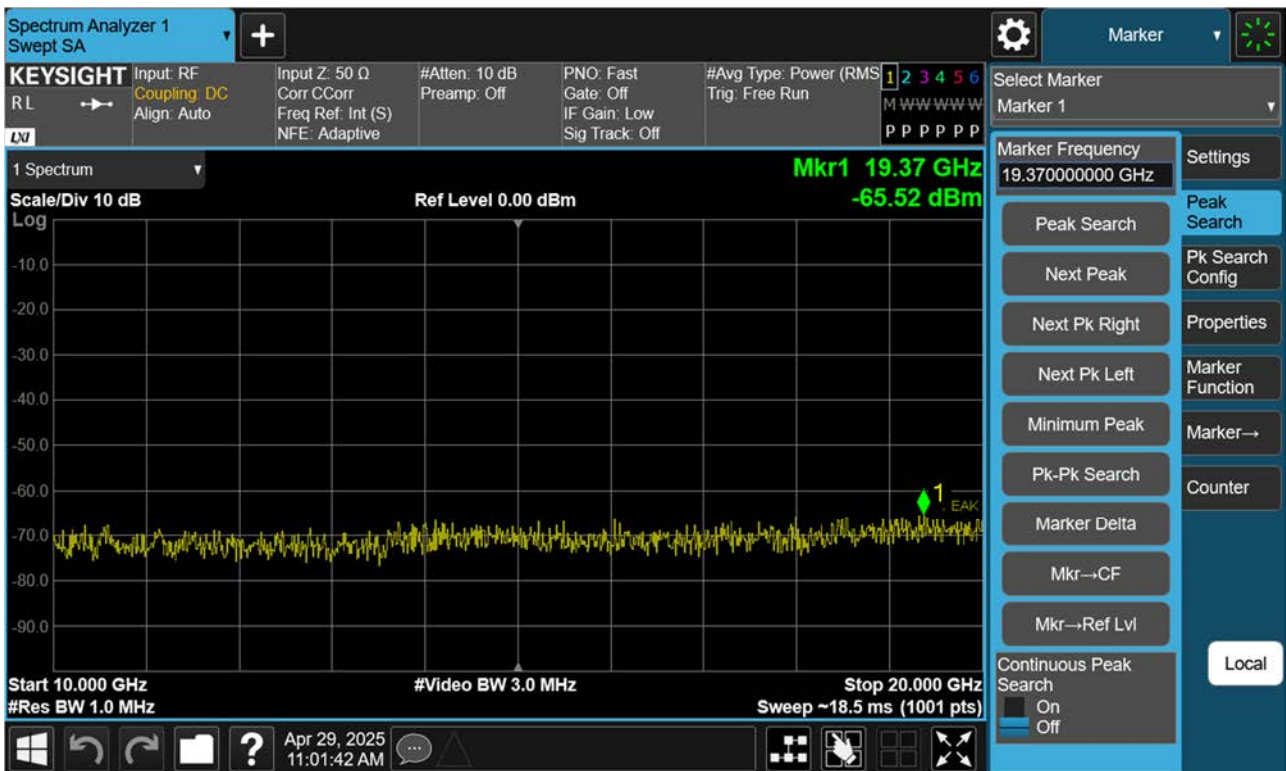
■ WCDMA1700 MODE (1412 CH.) Occupied Bandwidth



■ WCDMA1700 MODE (1412 CH.) Conducted Spurious Emissions1



■ WCDMA1700 MODE (1412 CH.) Conducted Spurious Emissions2



Sub 5 ANT

Mode	Channel	P.A.R. = P _{pk} - P _{avg} (dB)	Limit (dB)
WCDMA1900	9400	2.45	13
WCDMA1900(Ori.)	9400	3.15	

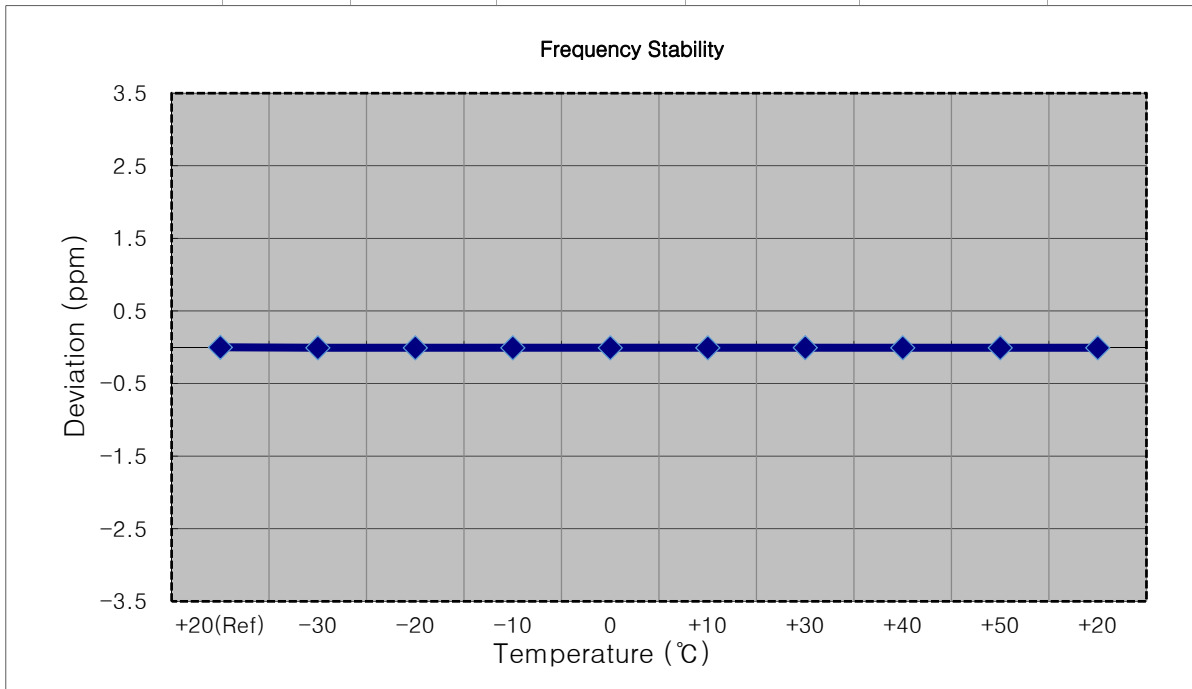
Mode	Channel	Frequency (MHz)	Data (MHz)
WCDMA1900	9400	1880.0	4.1609
WCDMA1900(Ori.)	9400	1880.0	4.1550

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
WCDMA1900	9400	19.2600	29.489	-64.560	-35.071	0.25
	9400 (Ori.)	19.2200	29.489	-64.805	-35.316	

Mode	Channel	Maximum Data (dBm)				Gap (dB)	
		Block Edge	Extended	Block Edge (Ori.)	Extended (Ori.)	Block Edge	Extended
WCDMA1900	9262	-23.322	-14.336	-25.388	-15.091	2.07	0.75
	9538	-24.659	-14.166	-25.988	-14.555	1.33	0.39
Limit		-13.0					

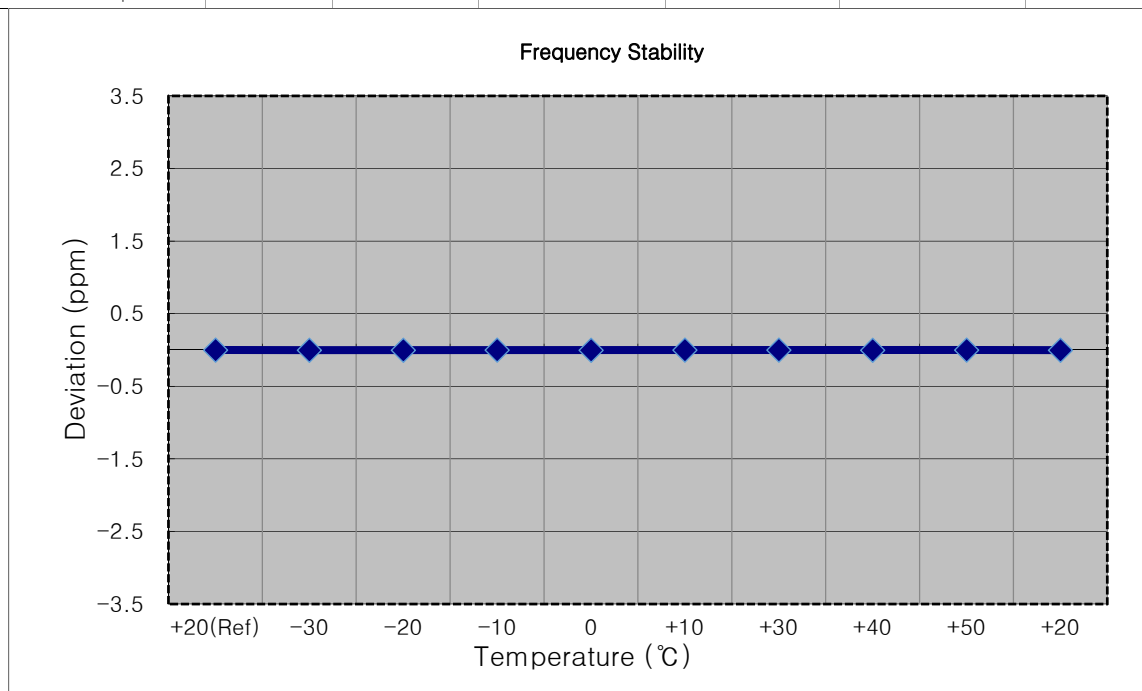
☒ Mode: WCDMA1900
☒ OPERATING FREQUENCY: 1,842,400,000 Hz
☒ CHANNEL: 9262
☒ REFERENCE VOLTAGE: 3.880 VDC
☒ DEVIATION LIMIT: Emission must remain in band

Voltage (%)	Power (VDC)	Temp. (°C)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
100 %	3.880	+20(Ref)	1852 399 978	0.0	0.000 000	0.0000
100 %		-30	1852 399 963	-14.8	-0.000 001	-0.0080
100 %		-20	1852 399 966	-11.9	-0.000 001	-0.0064
100 %		-10	1852 399 966	-11.6	-0.000 001	-0.0063
100 %		0	1852 399 965	-12.4	-0.000 001	-0.0067
100 %		+10	1852 399 965	-12.2	-0.000 001	-0.0066
100 %		+30	1852 399 967	-10.7	-0.000 001	-0.0058
100 %		+40	1852 399 966	-11.9	-0.000 001	-0.0064
100 %		+50	1852 399 965	-12.2	-0.000 001	-0.0066
Batt. Endpoint	3.300	+20	1852 399 965	-12.5	-0.000 001	-0.0067



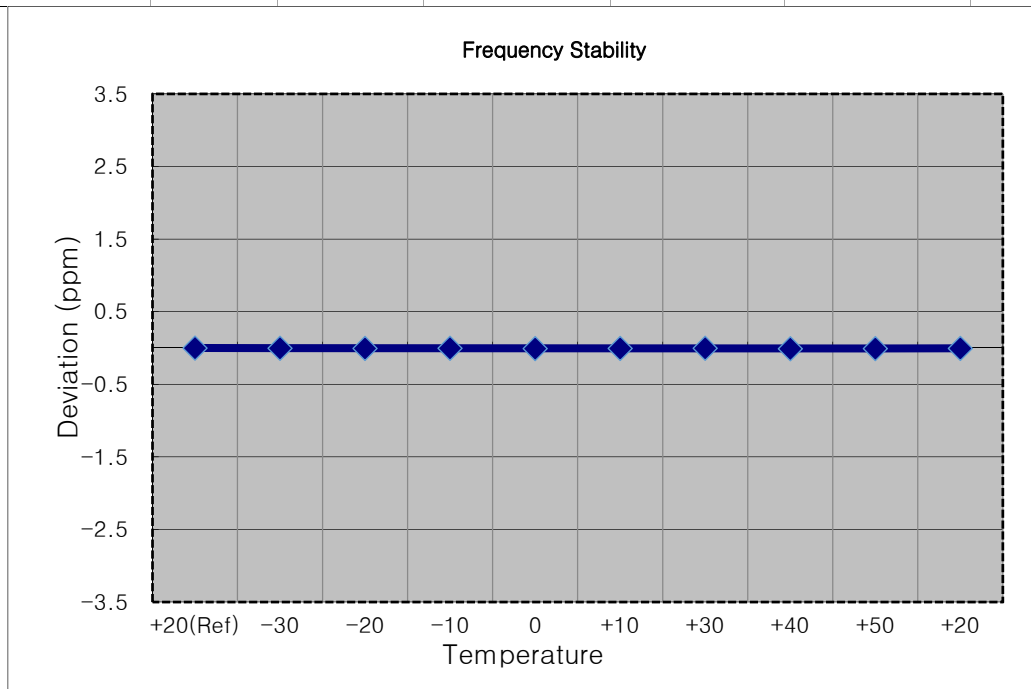
- Mode: WCDMA1900
- OPERATING FREQUENCY: 1,880,000,000 Hz
- CHANNEL: 9400
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1879 999 990	0.0	0.000 000	0.0000
100 %		-30	1879 999 987	-3.4	0.000 000	-0.0018
100 %		-20	1879 999 987	-3.2	0.000 000	-0.0017
100 %		-10	1879 999 987	-2.6	0.000 000	-0.0014
100 %		0	1879 999 985	-5.0	0.000 000	-0.0027
100 %		+10	1879 999 987	-2.6	0.000 000	-0.0014
100 %		+30	1879 999 988	-2.3	0.000 000	-0.0012
100 %		+40	1879 999 986	-4.4	0.000 000	-0.0023
100 %		+50	1879 999 987	-2.6	0.000 000	-0.0014
Batt. Endpoint	3.300	+20	1879 999 986	-3.6	0.000 000	-0.0019

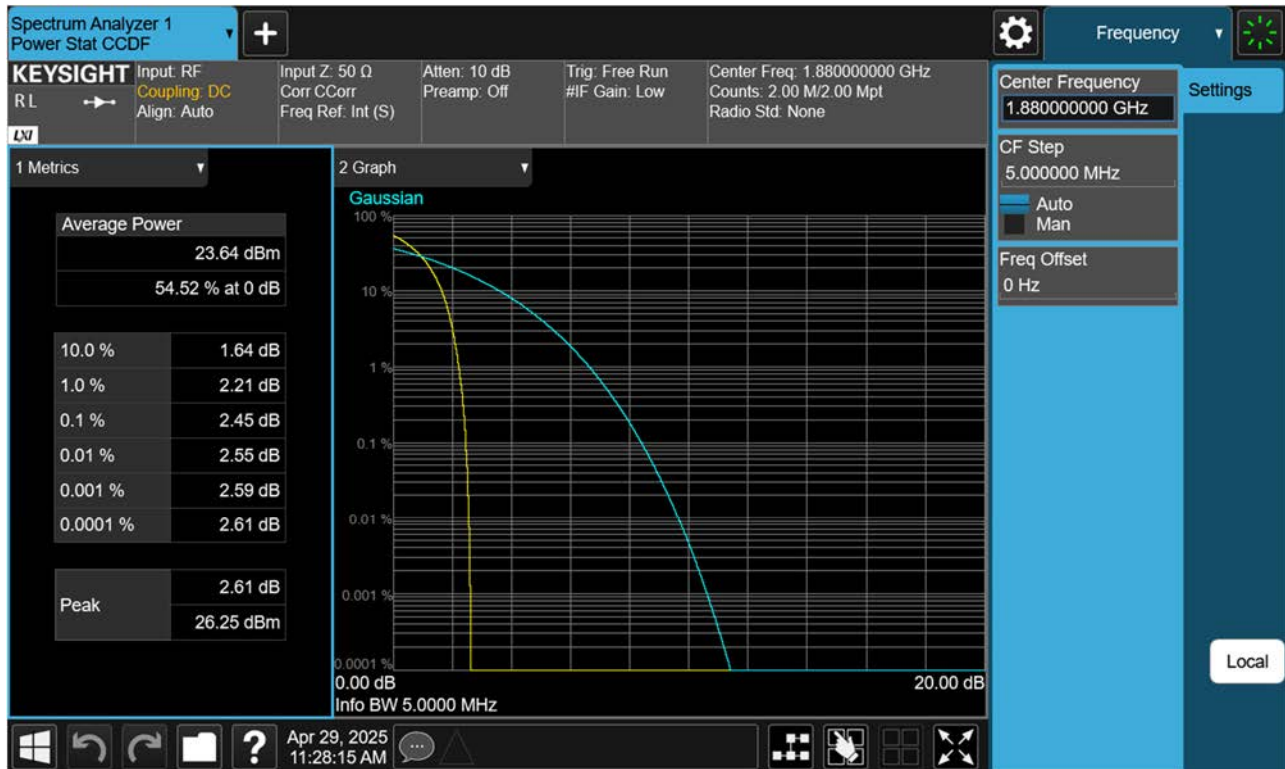


- Mode: WCDMA1900
- OPERATING FREQUENCY: 1,907,600,000 Hz
- CHANNEL: 9538
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

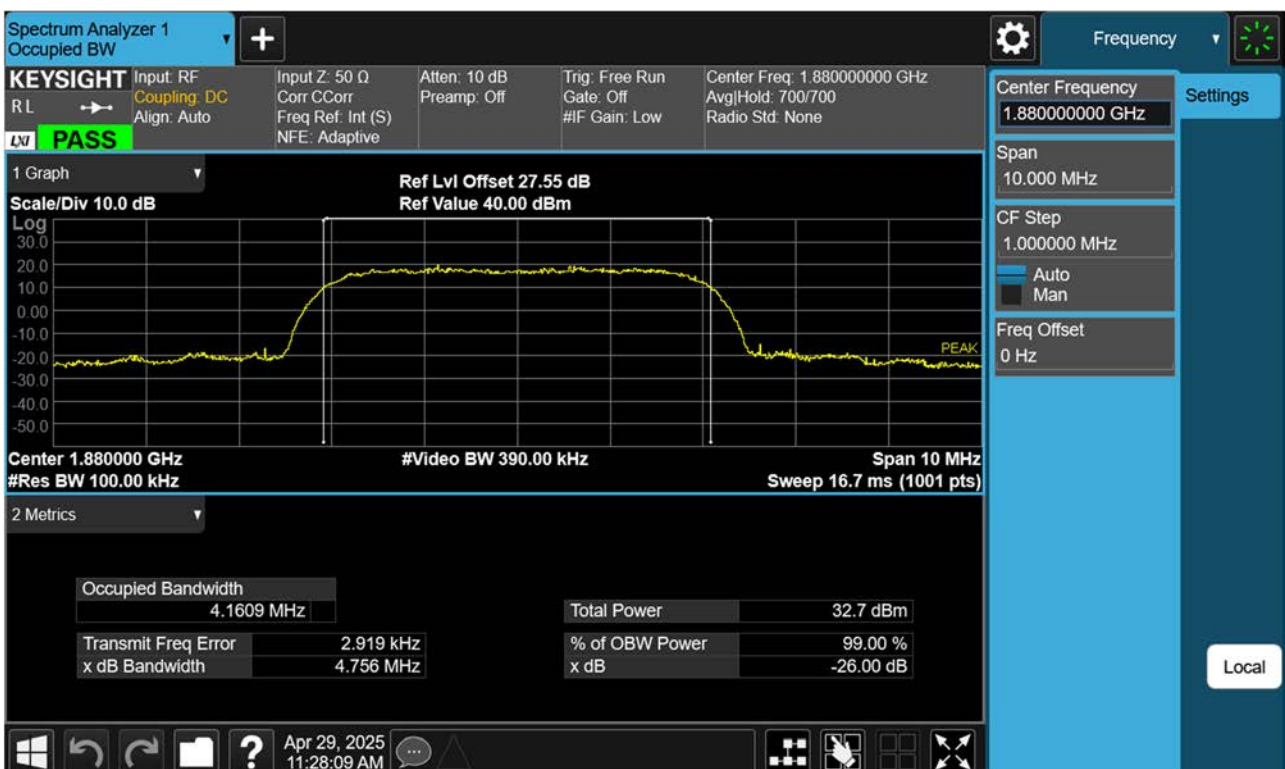
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1907 599 994	0.0	0.000 000	0.0000
100 %		-30	1907 599 987	-6.4	0.000 000	-0.0033
100 %		-20	1907 599 985	-8.5	0.000 000	-0.0045
100 %		-10	1907 599 988	-6.0	0.000 000	-0.0031
100 %		0	1907 599 981	-13.0	-0.000 001	-0.0068
100 %		+10	1907 599 987	-6.9	0.000 000	-0.0036
100 %		+30	1907 599 988	-6.0	0.000 000	-0.0031
100 %		+40	1907 599 976	-17.2	-0.000 001	-0.0090
100 %		+50	1907 599 980	-14.0	-0.000 001	-0.0073
Batt. Endpoint	3.300	+20	1907 599 984	-9.8	-0.000 001	-0.0051



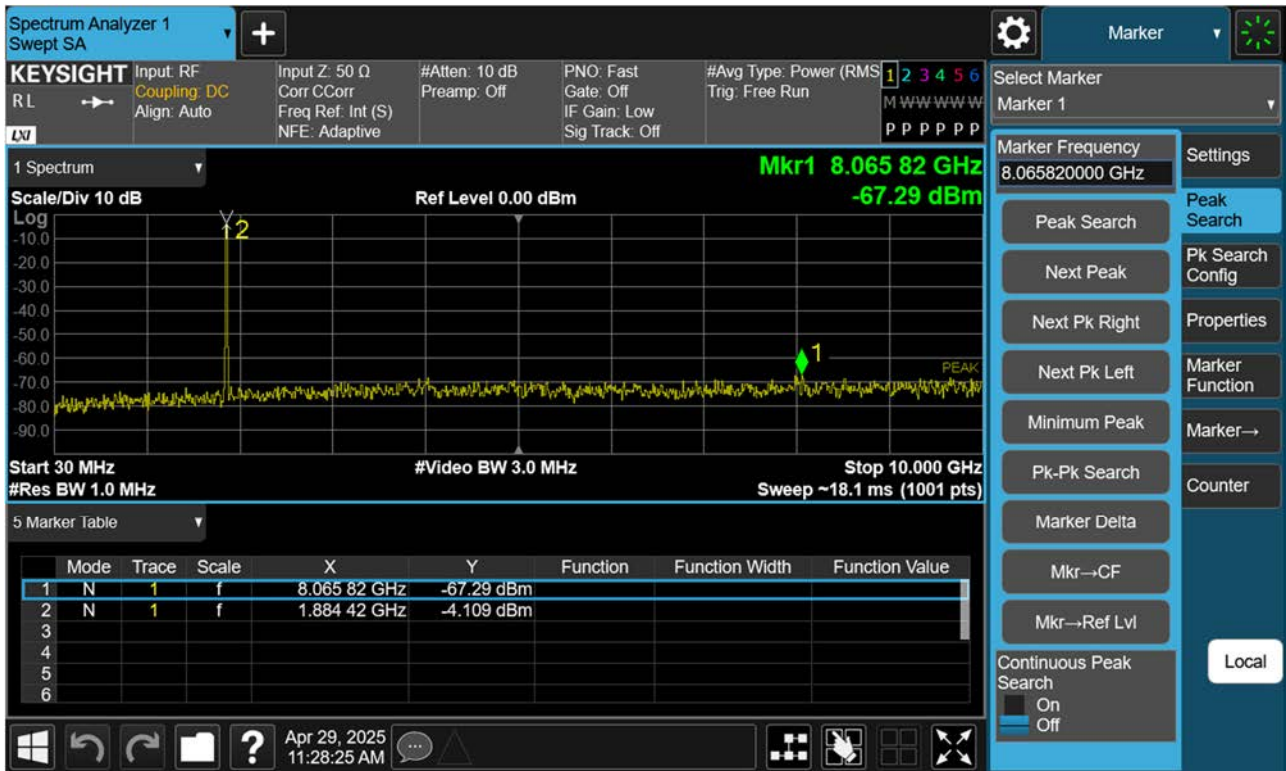
■ WCDMA1900 MODE (9400 CH.) Peak-to-Average Ratio



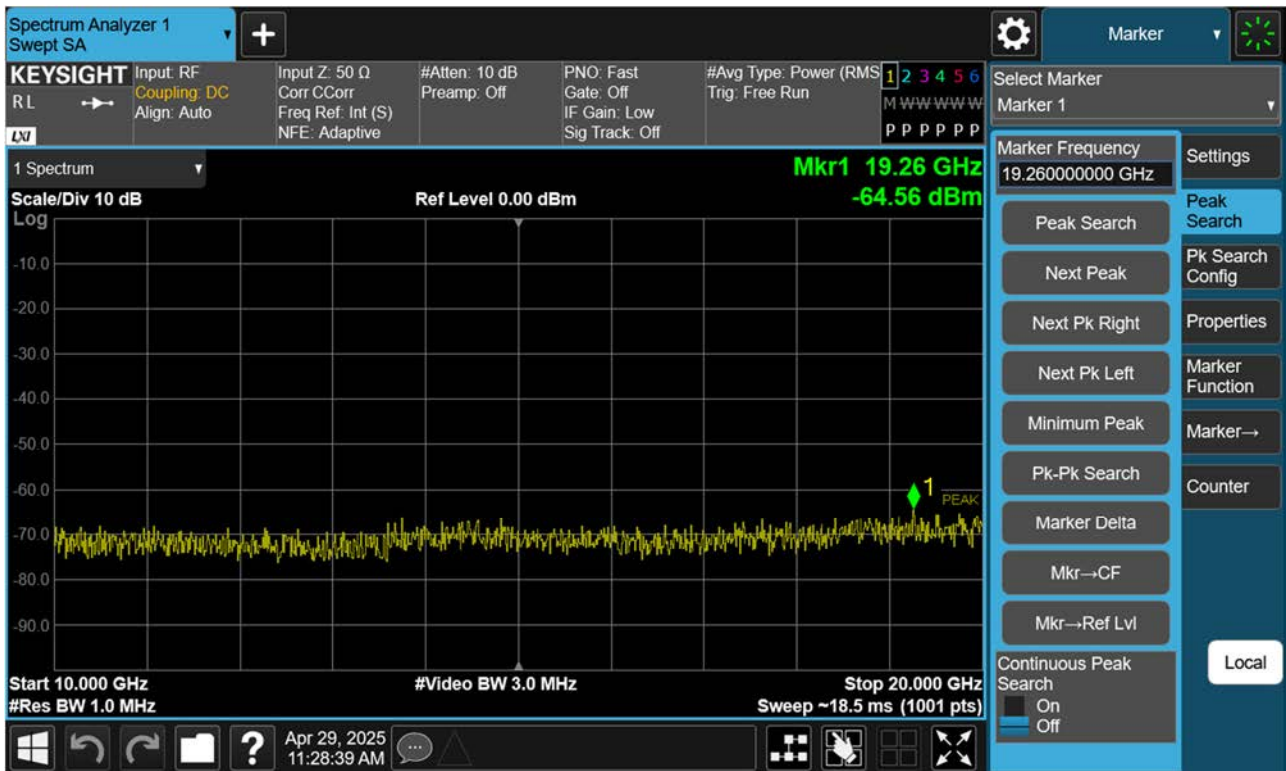
■ WCDMA1900 MODE (9400 CH.) Occupied Bandwidth



■ WCDMA1900 MODE (9400 CH.) Conducted Spurious Emissions1



■ WCDMA1900 MODE (9400 CH.) Conducted Spurious Emissions2



■ WCDMA1900 MODE (9262 CH.) Block Edge



■ WCDMA1900 MODE (9262 CH.) – 4 MHz Span



■ WCDMA1900 MODE (9538 CH.) Block Edge



■ WCDMA1900 MODE (9538 CH.) – 4 MHz Span



Sub 5 ANT

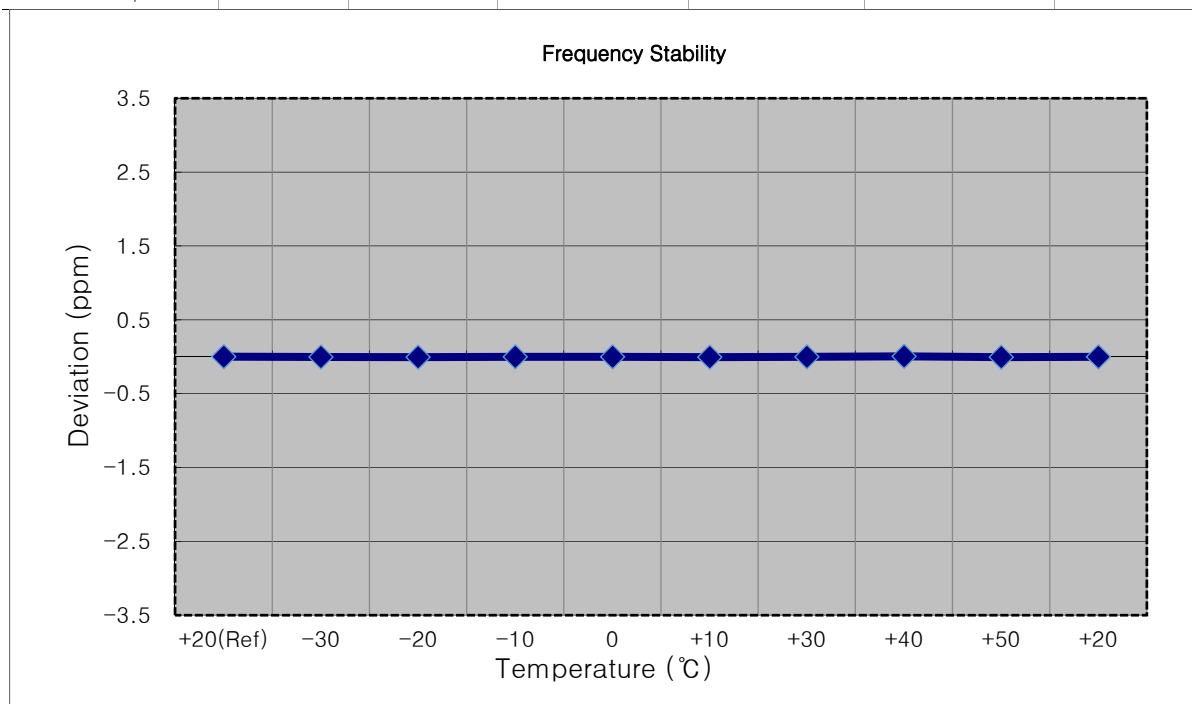
Mode	Channel	P.A.R. (dB)	Limit (dB)
WCDMA1700	1732.4	1.81	13
WCDMA1700(Ori.)	1732.4	3.30	

Mode	Channel	Frequency (MHz)	Data (MHz)
WCDMA1700	1412	1732.40	4.2771
WCDMA1700(Ori.)	1412	1732.40	4.1478

Mode	Channel	Frequency of Maximum Harmonic (GHz)	Factor	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
WCDMA1700	1732.4	18.48000	29.489	-64.993	-35.504	0.07
	1732.4(Ori.)	14.41000	29.116	-64.686	-35.570	

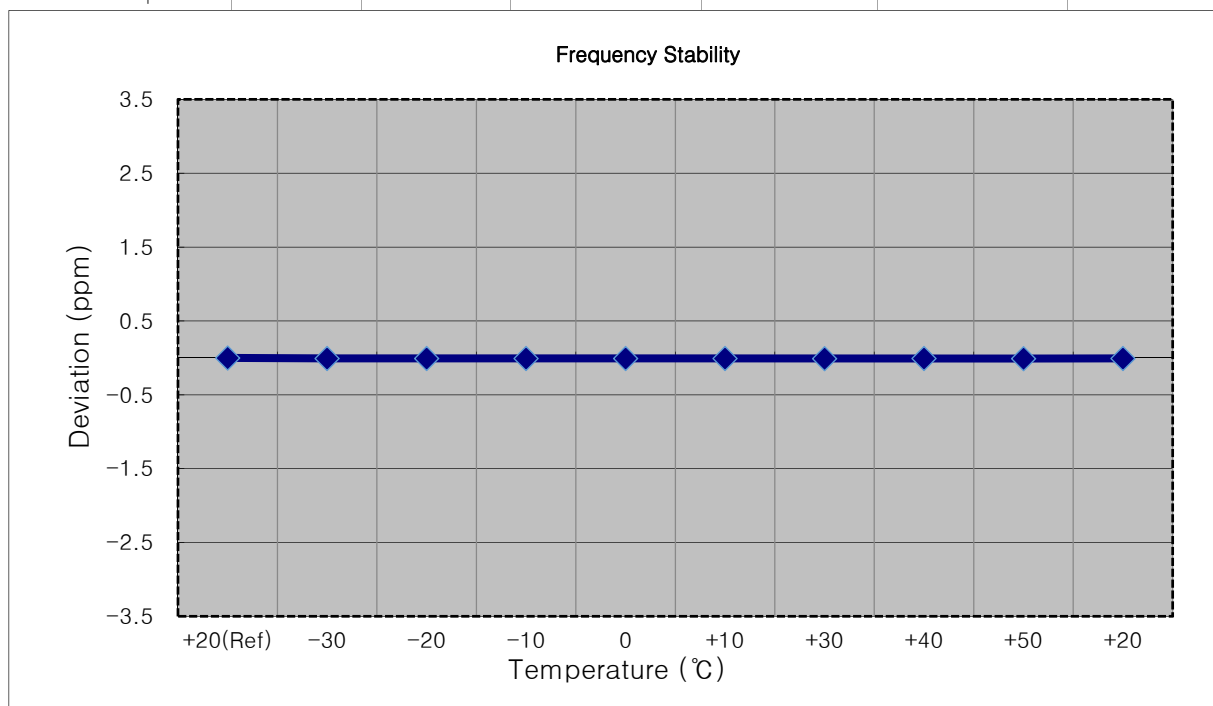
☐ Mode: WCDMA1700
☐ OPERATING FREQUENCY: 1,712,400,000 Hz
☐ CHANNEL: 1312
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1712 399 998	0.0	0.000 000	0.0000
100 %		-30	1712 399 990	-8.1	0.000 000	-0.0048
100 %		-20	1712 399 989	-9.0	-0.000 001	-0.0052
100 %		-10	1712 399 994	-3.4	0.000 000	-0.0020
100 %		0	1712 399 995	-2.3	0.000 000	-0.0013
100 %		+10	1712 399 986	-11.9	-0.000 001	-0.0070
100 %		+30	1712 399 994	-4.0	0.000 000	-0.0024
100 %		+40	1712 400 005	7.1	0.000 000	0.0041
100 %		+50	1712 399 989	-8.5	0.000 000	-0.0050
Batt. Endpoint	3.300	+20	1712 399 995	-3.1	0.000 000	-0.0018



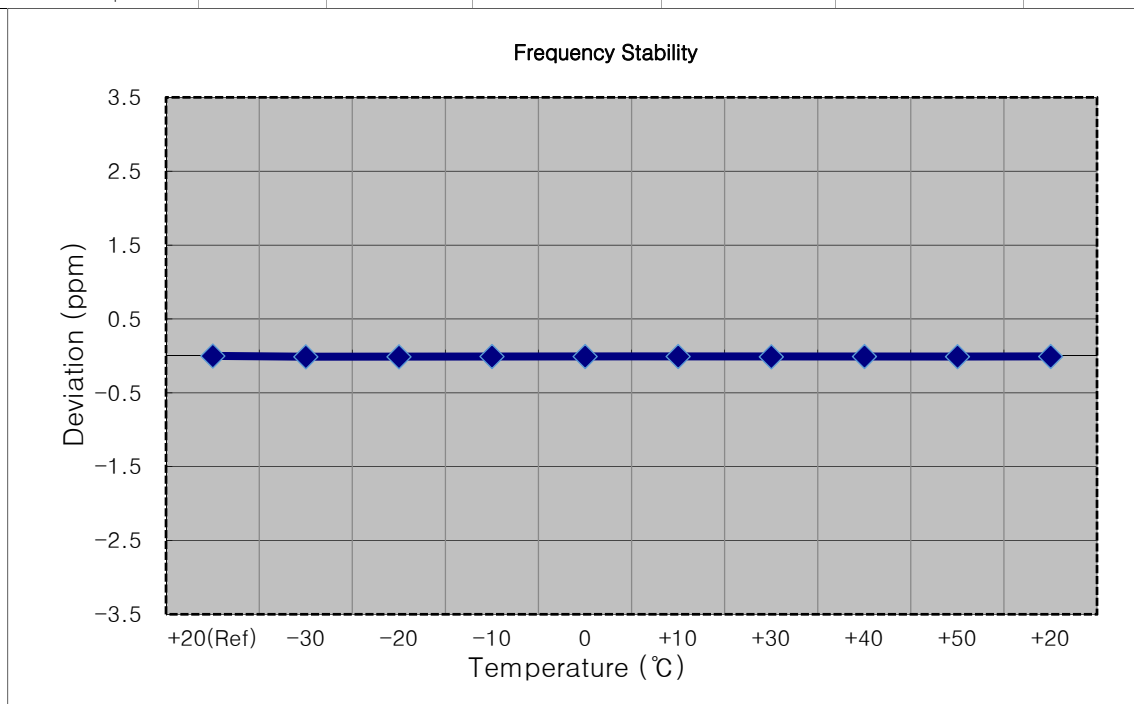
- ☐ Mode: WCDMA1700
☐ OPERATING FREQUENCY: 1,732,400,000 Hz
☐ CHANNEL: 1412
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1732 399 987	0.0	0.000 000	0.0000
100 %		-30	1732 399 974	-12.4	-0.000 001	-0.0072
100 %		-20	1732 399 974	-12.6	-0.000 001	-0.0073
100 %		-10	1732 399 975	-11.6	-0.000 001	-0.0067
100 %		0	1732 399 974	-12.7	-0.000 001	-0.0073
100 %		+10	1732 399 974	-13.0	-0.000 001	-0.0075
100 %		+30	1732 399 973	-13.8	-0.000 001	-0.0080
100 %		+40	1732 399 974	-12.9	-0.000 001	-0.0075
100 %		+50	1732 399 972	-15.3	-0.000 001	-0.0088
Batt. Endpoint	3.300	+20	1732 399 975	-12.1	-0.000 001	-0.0070



- ▣ Mode: WCDMA1700
- ▣ OPERATING FREQUENCY: 1,752,400,000 Hz
- ▣ CHANNEL: 1513
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1752 599 987	0.0	0.000 000	0.0000
100 %		-30	1752 599 967	-19.5	-0.000 001	-0.0111
100 %		-20	1752 599 968	-18.5	-0.000 001	-0.0106
100 %		-10	1752 599 975	-12.0	-0.000 001	-0.0068
100 %		0	1752 599 974	-12.3	-0.000 001	-0.0070
100 %		+10	1752 599 975	-11.8	-0.000 001	-0.0067
100 %		+30	1752 599 968	-18.5	-0.000 001	-0.0105
100 %		+40	1752 599 974	-13.1	-0.000 001	-0.0075
100 %		+50	1752 599 973	-13.5	-0.000 001	-0.0077
Batt. Endpoint	3.300	+20	1752 599 975	-11.9	-0.000 001	-0.0068



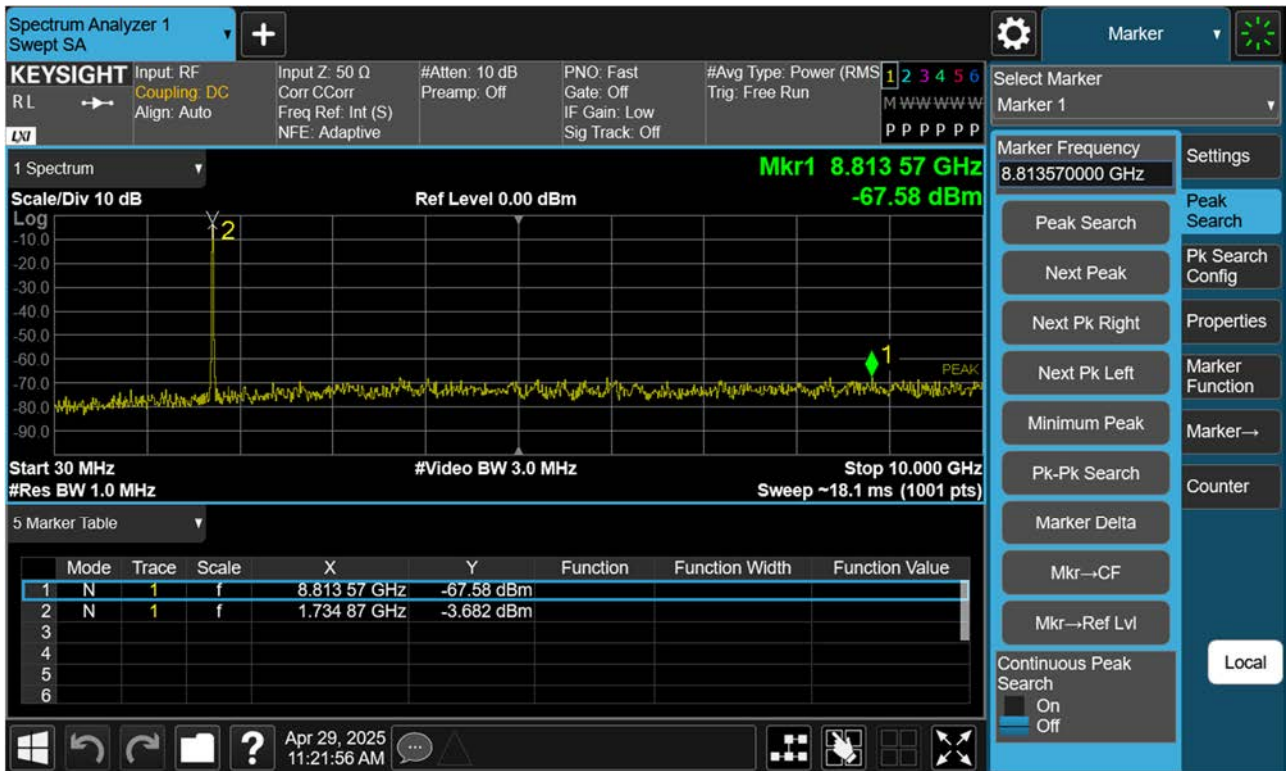
■ WCDMA1700 MODE (1412 CH.) Peak-to-Average Ratio



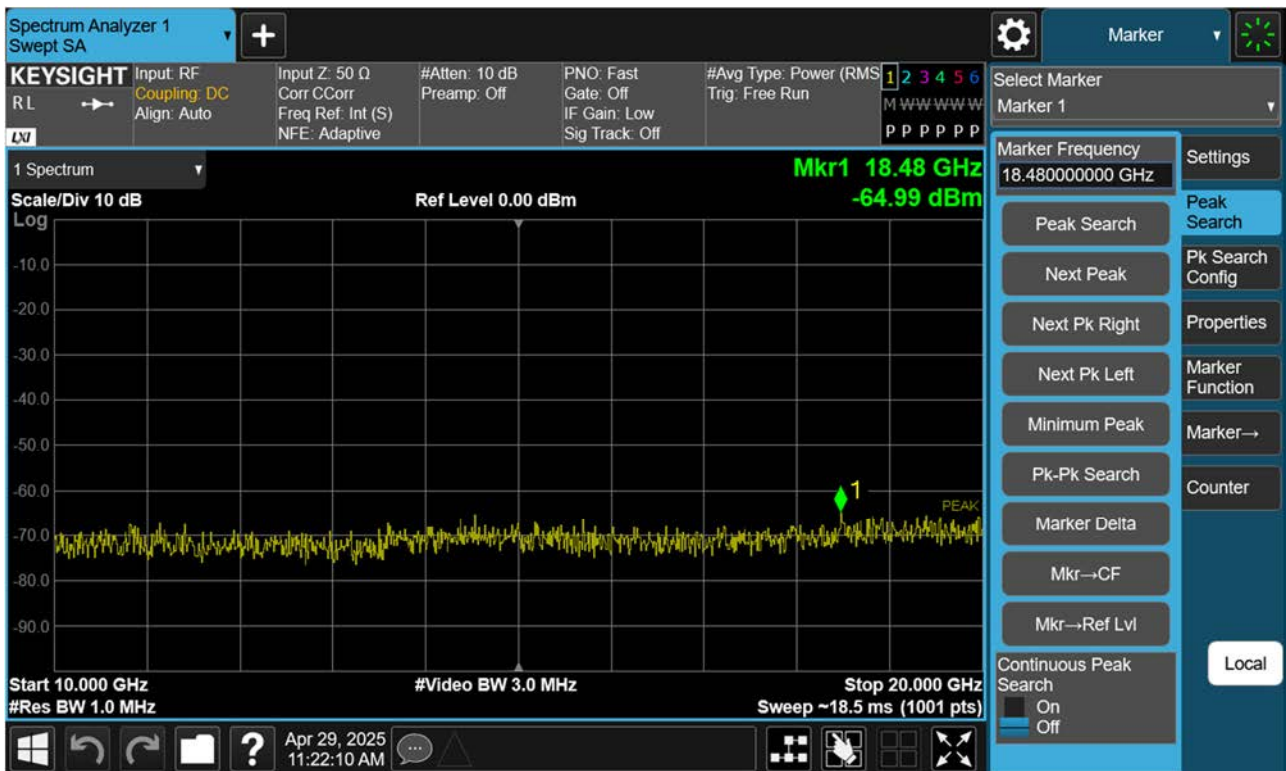
■ WCDMA1700 MODE (1412 CH.) Occupied Bandwidth



■ WCDMA1700 MODE (1412 CH.) Conducted Spurious Emissions1



■ WCDMA1700 MODE (1412 CH.) Conducted Spurious Emissions2



-LTE B5-

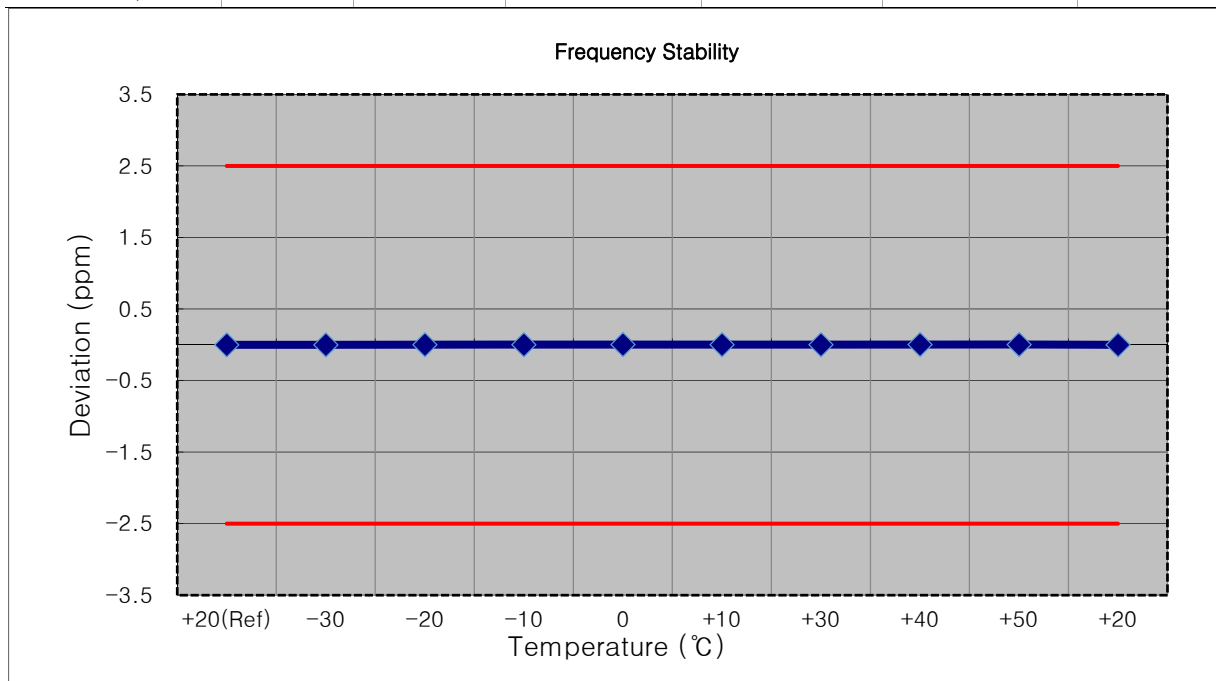
Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data	
					(dB)	(MHz)
10 MHz	836.5	QPSK	50	0	5.31	9.0104
10 MHz(Ori.)	836.5	QPSK	50	0	5.63	9.0141

Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
10	836.5	3.6790	27.976	-58.244	-30.268	1.81
	836.5 (Ori.)	6.2214	28.591	-57.048	-28.457	

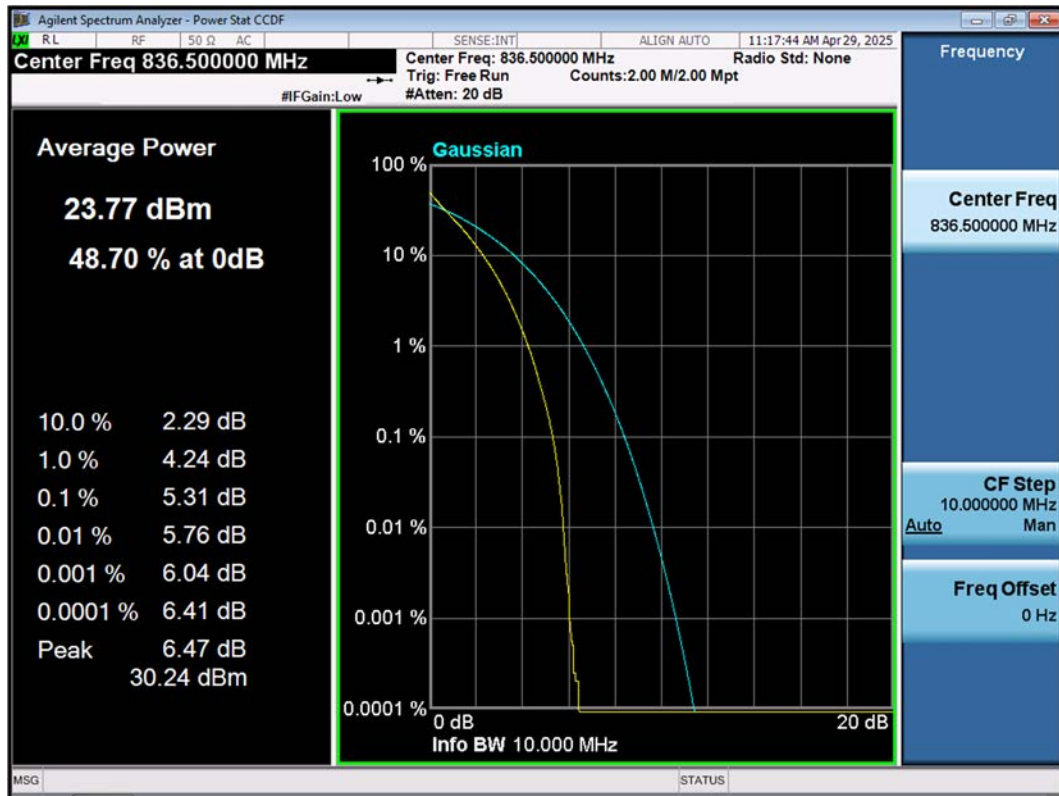
Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Frequency of Maximum Harmonic (MHz)	Maximum Data [dBm]	Maximum Data [dBm] (Ori.)	Gap (dB)
10 MHz	829.0	QPSK	1	0	824.000	-31.271	-31.554	0.28
		QPSK	50	0	823.996	-21.727	-24.499	2.77
	(Extended)	QPSK	50	0	822.996	-24.818	-28.133	3.32
	844.0	QPSK	1	49	849.000	-30.639	-31.003	0.36
		QPSK	50	0	849.012	-22.591	-24.547	1.96
	(Extended)	QPSK	50	0	850.016	-25.227	-28.308	3.08

☐ MODE: LTE B5
☐ OPERATING FREQUENCY: 836,500,000 Hz
☐ CHANNEL: 20525(10 MHz)
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: ± 0.000 25 % or 2.5 ppm

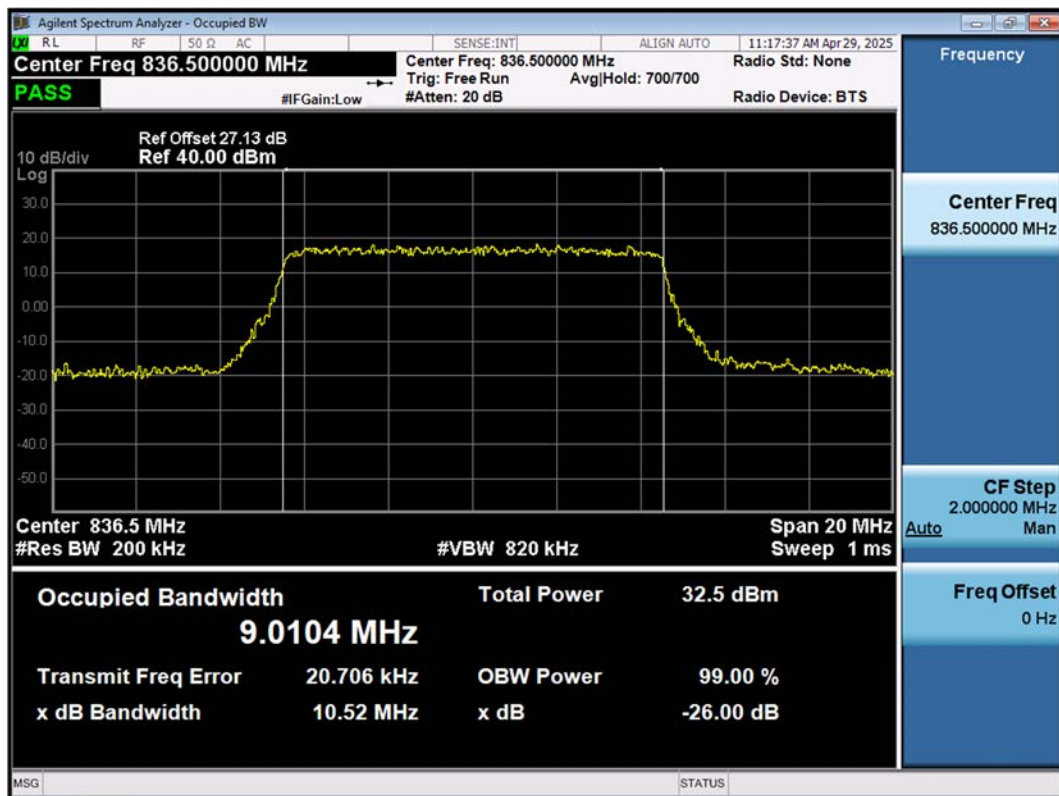
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	836 500 001	0.0	0.000 000	0.000
100 %		-30	836 500 000	-1.6	0.000 000	-0.002
100 %		-20	836 500 003	2.0	0.000 000	0.002
100 %		-10	836 500 003	1.9	0.000 000	0.002
100 %		0	836 500 004	2.5	0.000 000	0.003
100 %		+10	836 500 004	2.1	0.000 000	0.003
100 %		+30	836 500 004	2.1	0.000 000	0.003
100 %		+40	836 500 004	2.4	0.000 000	0.003
100 %		+50	836 500 004	2.7	0.000 000	0.003
Batt. Endpoint	3.300	+20	836 500 000	-1.4	0.000 000	-0.002



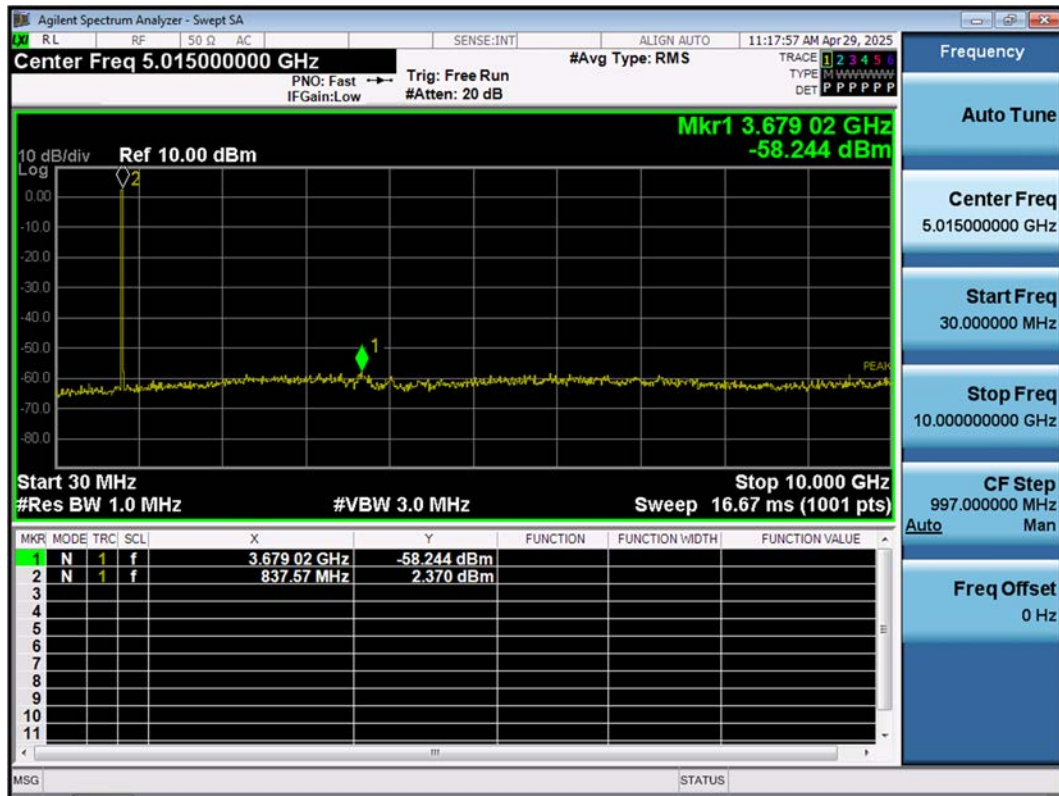
LTE B5_10 M_PAR_Mid_QPSK_FullRB



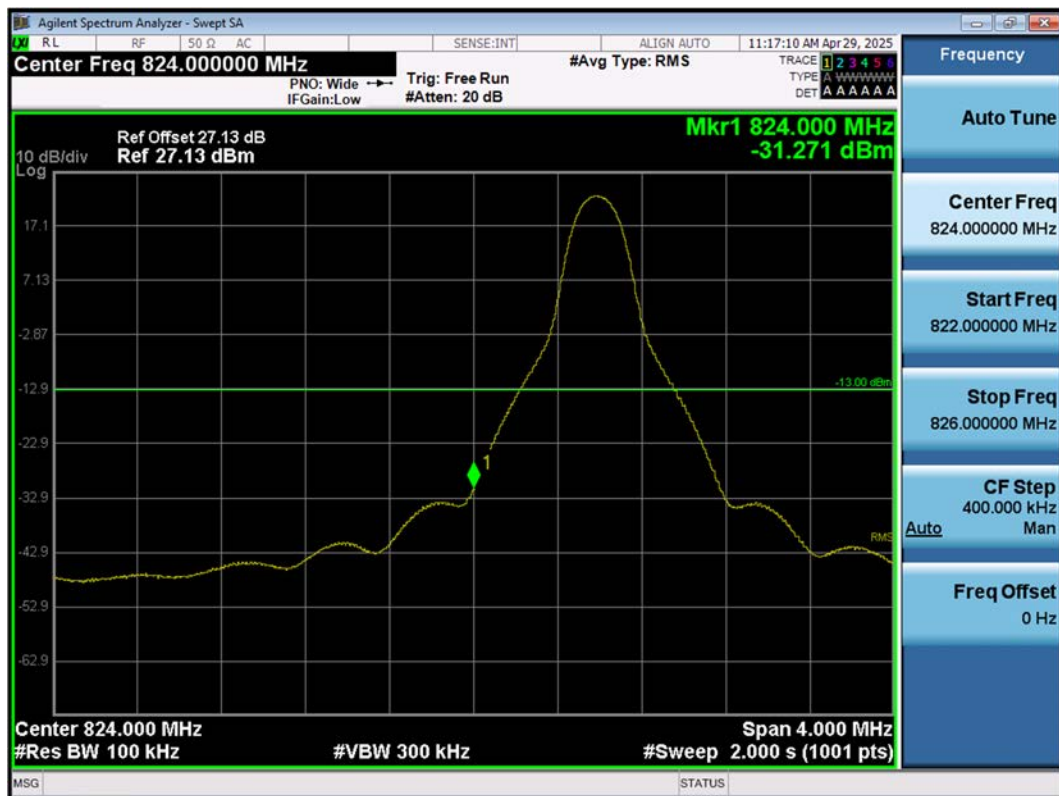
LTE B5_10 M_OBW_Mid_QPSK_FullRB



LTE B5_10 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



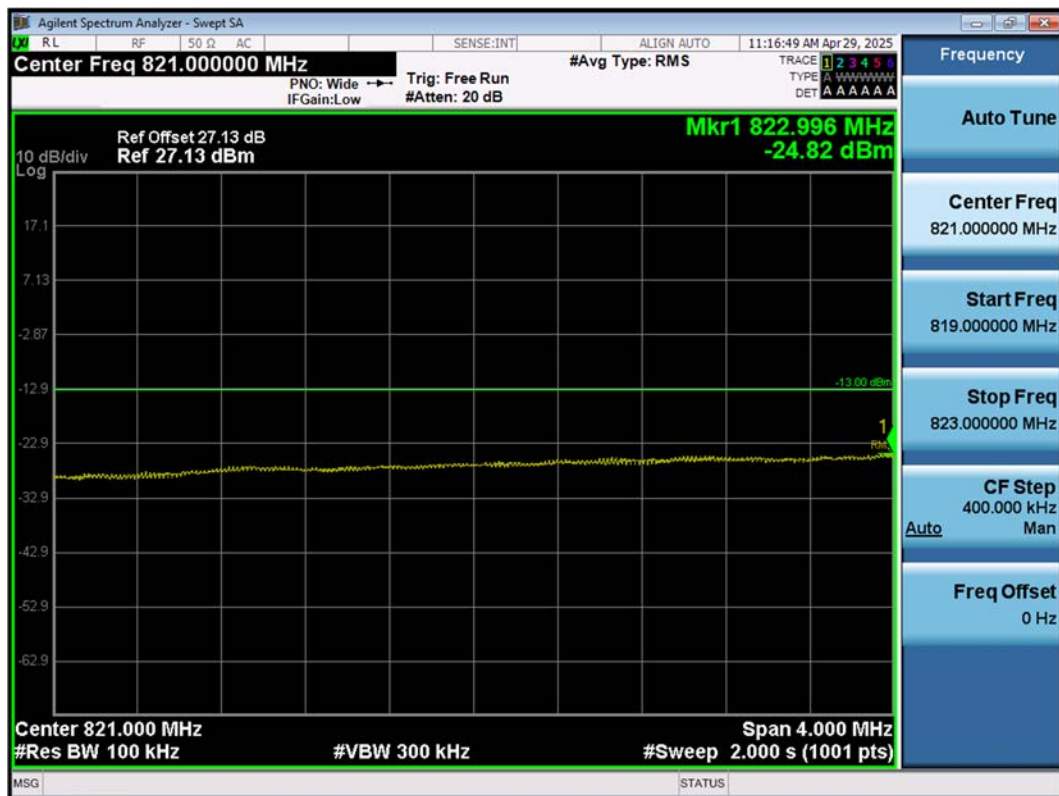
LTE B5_10 M_Band Edge_Low_QPSK_1RB



LTE B5_10 M_Band Edge_Low_QPSK_FullRB



LTE B5_10 M_Extended Band Edge_Low_QPSK_FullRB



LTE B5_10 M_Band Edge_High_QPSK_1RB



LTE B5_10 M_Band Edge_High_QPSK_FullRB



LTE B5_10 M_Extended Band Edge_High_QPSK_FullRB



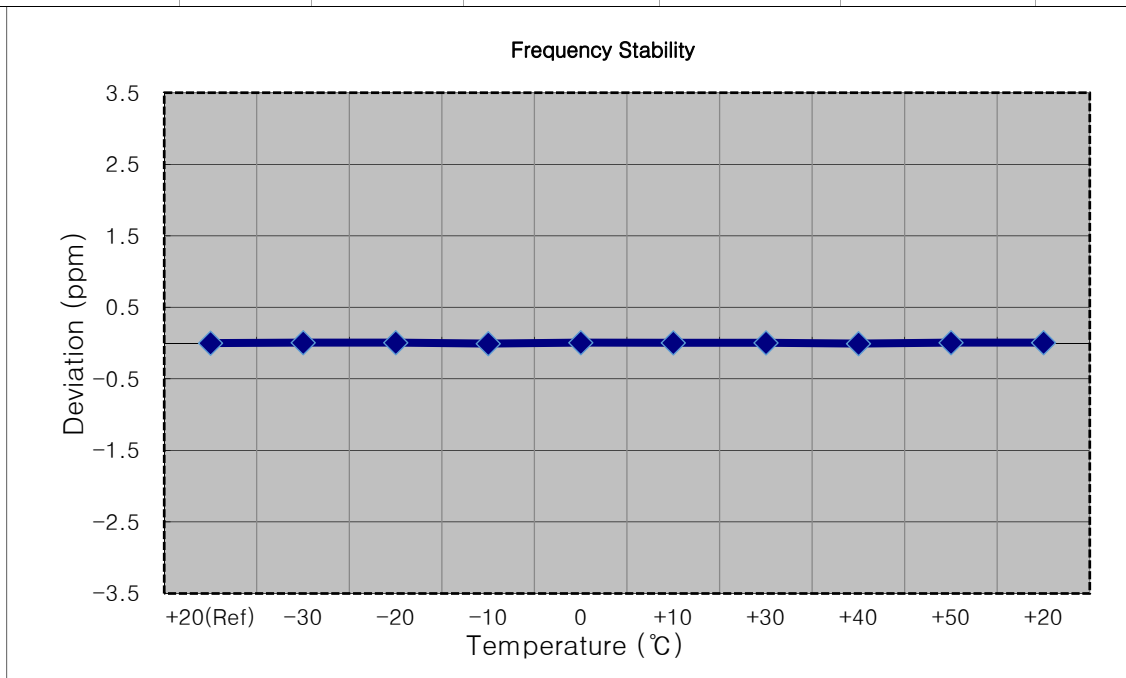
-LTE B12(17)-

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data	
					(dB)	(MHz)
10 MHz	707.5	QPSK	Full RB	0	5.19	9.0068
10 MHz (Ori.)	707.5	QPSK	Full RB	0	5.62	9.0024

Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
10	707.5	2.9512	27.976	-57.763	-29.787	0.02
	707.5 (Ori.)	3.6990	27.976	-57.743	-29.767	

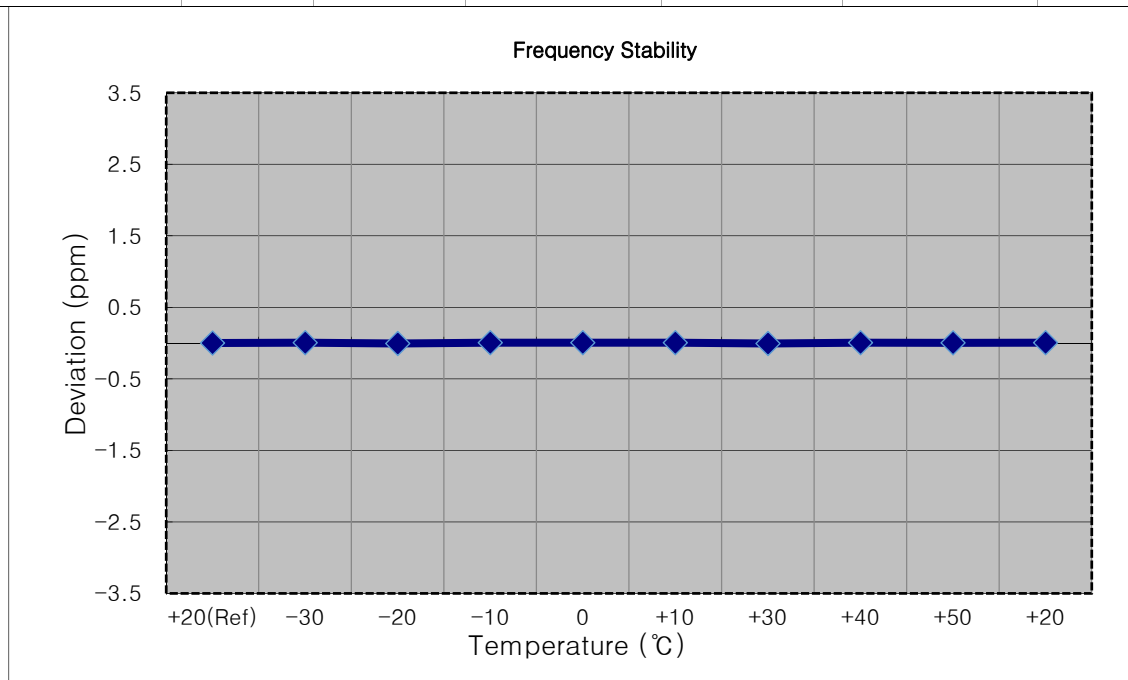
- MODE: LTE B12
- OPERATING FREQUENCY: 704,000,000 Hz
- CHANNEL: 23060 (10 MHz)
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	0.000	+20(Ref)	704 000 005	0.0	0.000 000	0.000
100 %		-30	704 000 009	4.8	0.000 001	0.007
100 %		-20	704 000 009	4.9	0.000 001	0.007
100 %		-10	704 000 000	-4.1	-0.000 001	-0.006
100 %		0	704 000 009	4.1	0.000 001	0.006
100 %		+10	704 000 008	3.4	0.000 000	0.005
100 %		+30	704 000 008	3.5	0.000 000	0.005
100 %		+40	704 000 000	-4.7	-0.000 001	-0.007
100 %		+50	704 000 009	4.7	0.000 001	0.007
Batt. Endpoint	0.000	+20	704 000 009	4.2	0.000 001	0.006



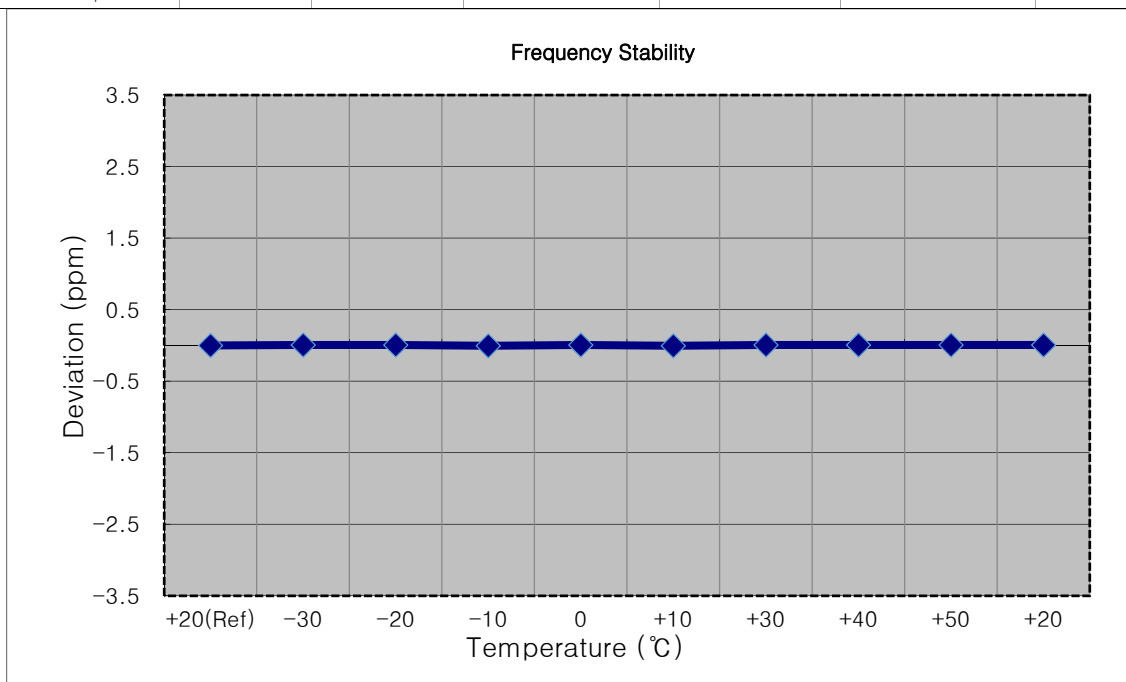
- MODE: LTE B12
- OPERATING FREQUENCY: 707,500,000 Hz
- CHANNEL: 23095 (10 MHz)
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	0.000	+20(Ref)	707 500 004	0.0	0.000 000	0.000
100 %		-30	707 500 008	3.8	0.000 001	0.005
100 %		-20	707 500 001	-3.5	0.000 000	-0.005
100 %		-10	707 500 008	4.0	0.000 001	0.006
100 %		0	707 500 009	4.6	0.000 001	0.007
100 %		+10	707 500 008	3.7	0.000 001	0.005
100 %		+30	707 500 000	-4.0	-0.000 001	-0.006
100 %		+40	707 500 009	4.4	0.000 001	0.006
100 %		+50	707 500 006	1.9	0.000 000	0.003
Batt. Endpoint	0.000	+20	707 500 008	3.8	0.000 001	0.005

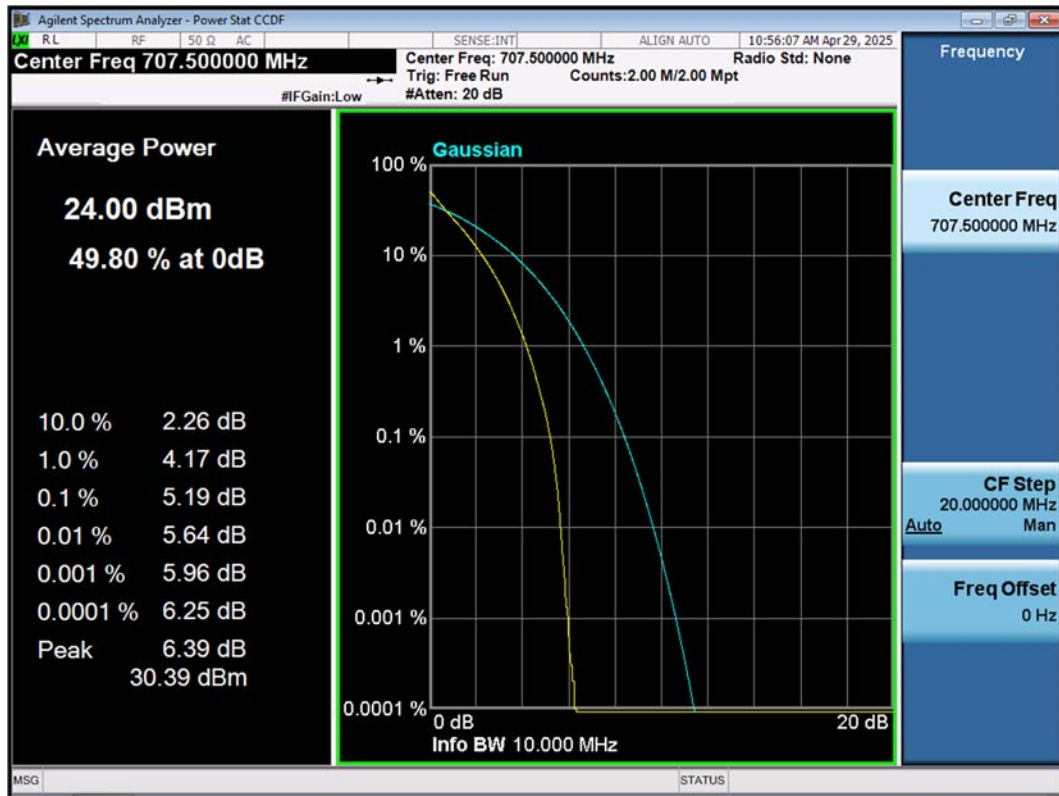


- MODE: LTE B12
- OPERATING FREQUENCY: 711,000,000 Hz
- CHANNEL: 23130(10 MHz)
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

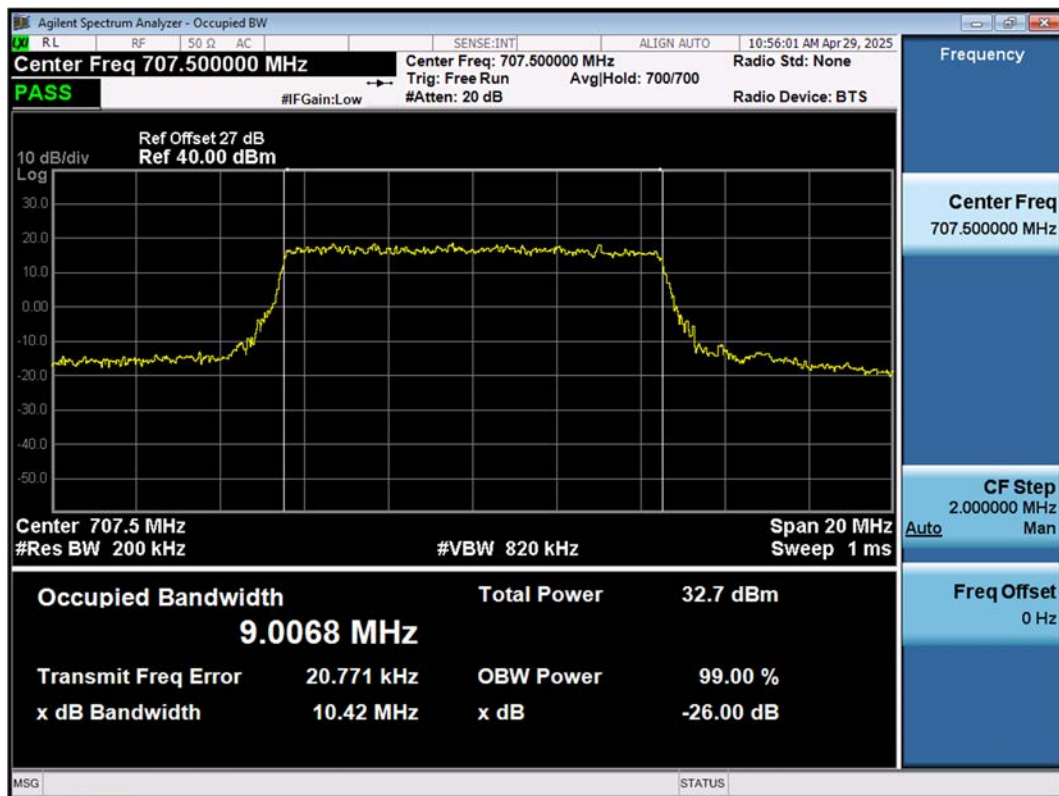
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	0.000	+20(Ref)	710 999 997	0.0	0.000 000	0.000
100 %		-30	711 000 002	4.9	0.000 001	0.007
100 %		-20	711 000 002	4.7	0.000 001	0.007
100 %		-10	710 999 994	-3.8	-0.000 001	-0.005
100 %		0	711 000 002	4.3	0.000 001	0.006
100 %		+10	710 999 994	-3.4	0.000 000	-0.005
100 %		+30	711 000 003	5.1	0.000 001	0.007
100 %		+40	711 000 002	4.1	0.000 001	0.006
100 %		+50	711 000 002	4.5	0.000 001	0.006
Batt. Endpoint	0.000	+20	711 000 002	5.0	0.000 001	0.007



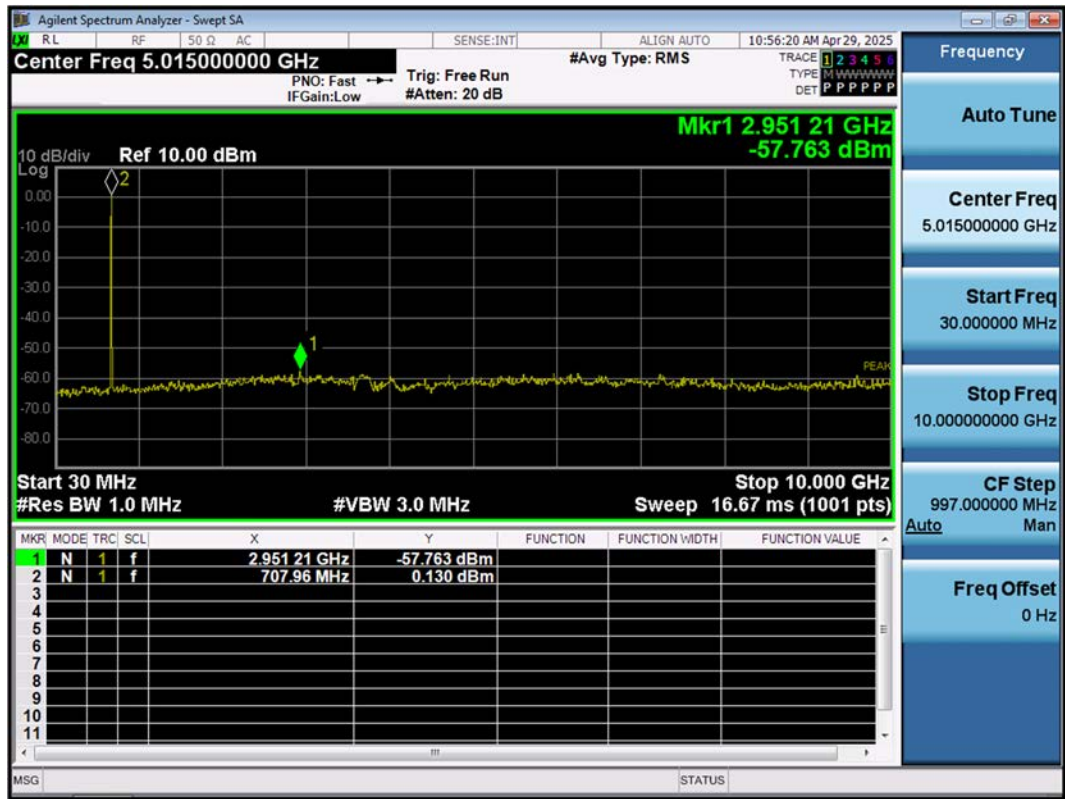
LTE B12_10 M_PAR_Mid_QPSK_FullRB



LTE B12_10 M_OBW_Mid_QPSK_FullRB



LTE B12_10 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



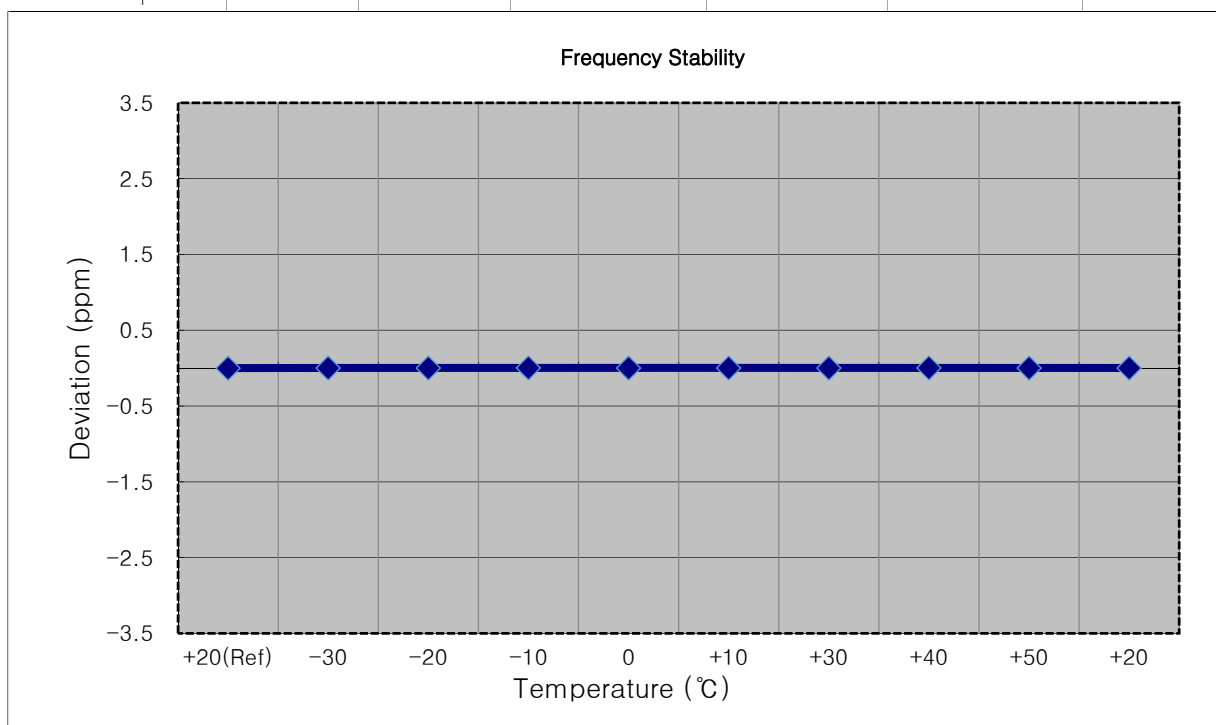
-LTE B13-

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data	
					(dB)	(MHz)
10 MHz	782.0	QPSK	50	0	5.02	9.0118
10 MHz (Ori.)	782.0	QPSK	50	0	5.86	9.0072

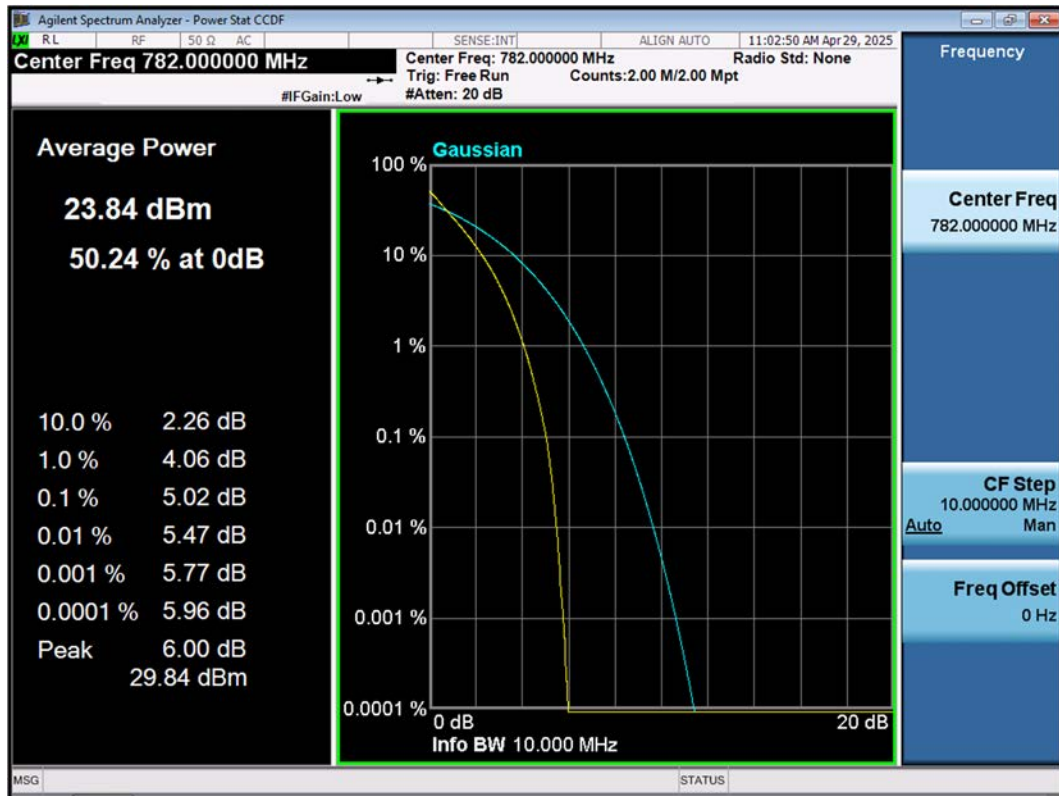
Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
10	782.0	3.2603	27.976	-57.955	-29.979	0.17
	782.0 (Ori)	6.5504	28.591	-58.401	-29.810	

☐ MODE: LTE B13
☐ OPERATING FREQUENCY: 782,000,000 Hz
☐ CHANNEL: 23230 (10 MHz)
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

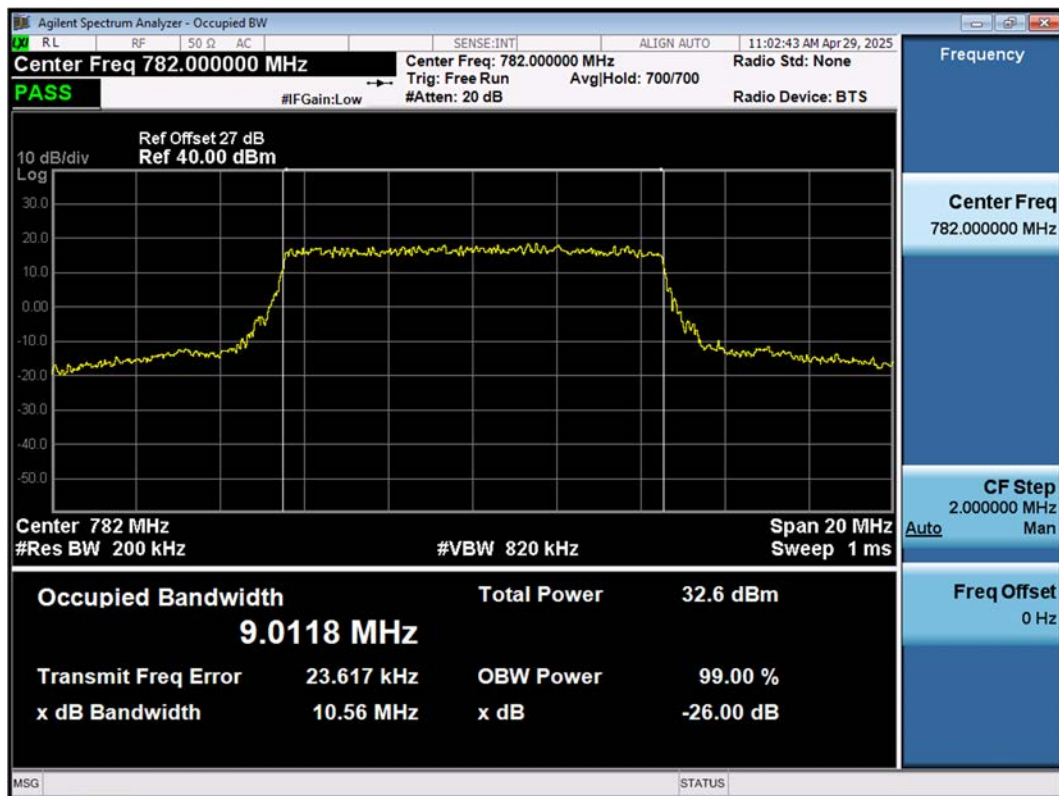
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	0.000	+20(Ref)	782 000 004	0.00	0.000 000	0.0000
100 %		-30	782 000 006	2.00	0.000 000	0.0026
100 %		-20	782 000 007	2.80	0.000 000	0.0036
100 %		-10	782 000 007	3.30	0.000 000	0.0042
100 %		0	782 000 007	2.80	0.000 000	0.0036
100 %		+10	782 000 007	2.80	0.000 000	0.0036
100 %		+30	782 000 006	2.70	0.000 000	0.0035
100 %		+40	782 000 007	3.30	0.000 000	0.0042
100 %		+50	782 000 006	2.70	0.000 000	0.0035
Batt. Endpoint	0.000	+20	782 000 006	2.50	0.000 000	0.0032



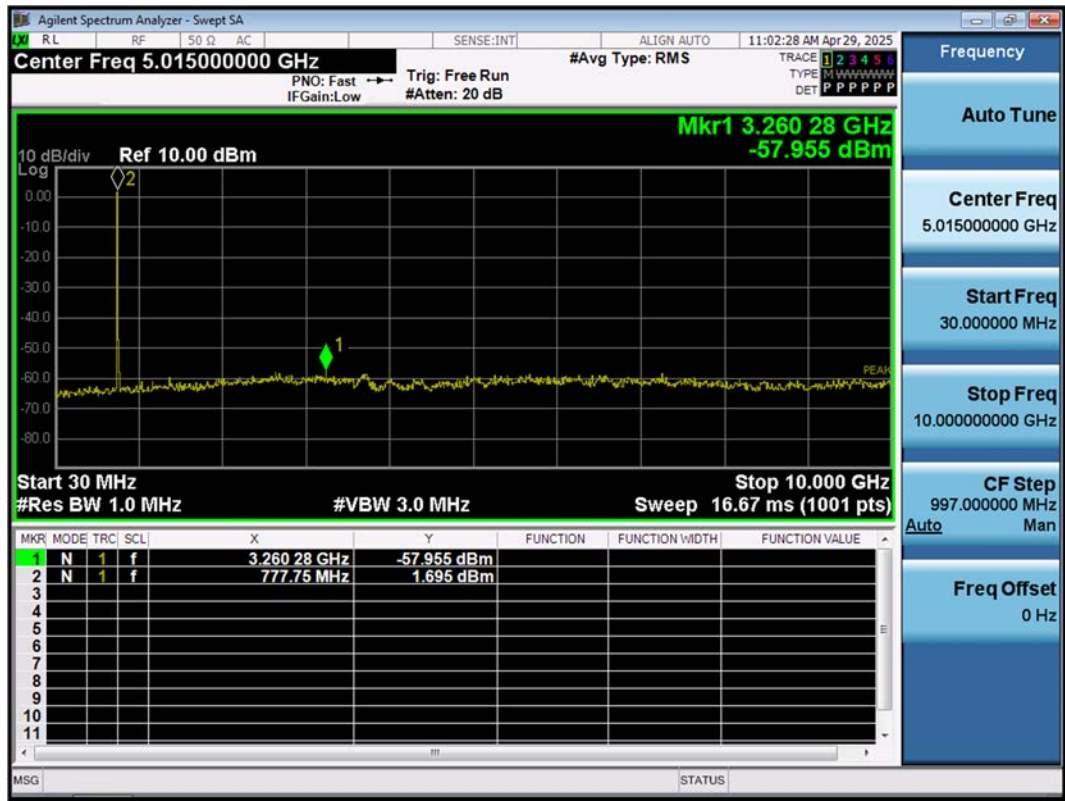
LTE B13_10 M_PAR_Mid_QPSK_FullRB



LTE B13_10 M_OBW_Mid_QPSK_FullRB



LTE B13_10 M_Conducted Spurious(30 M-10 G)_Low_QPSK_1RB



-LTE B25-

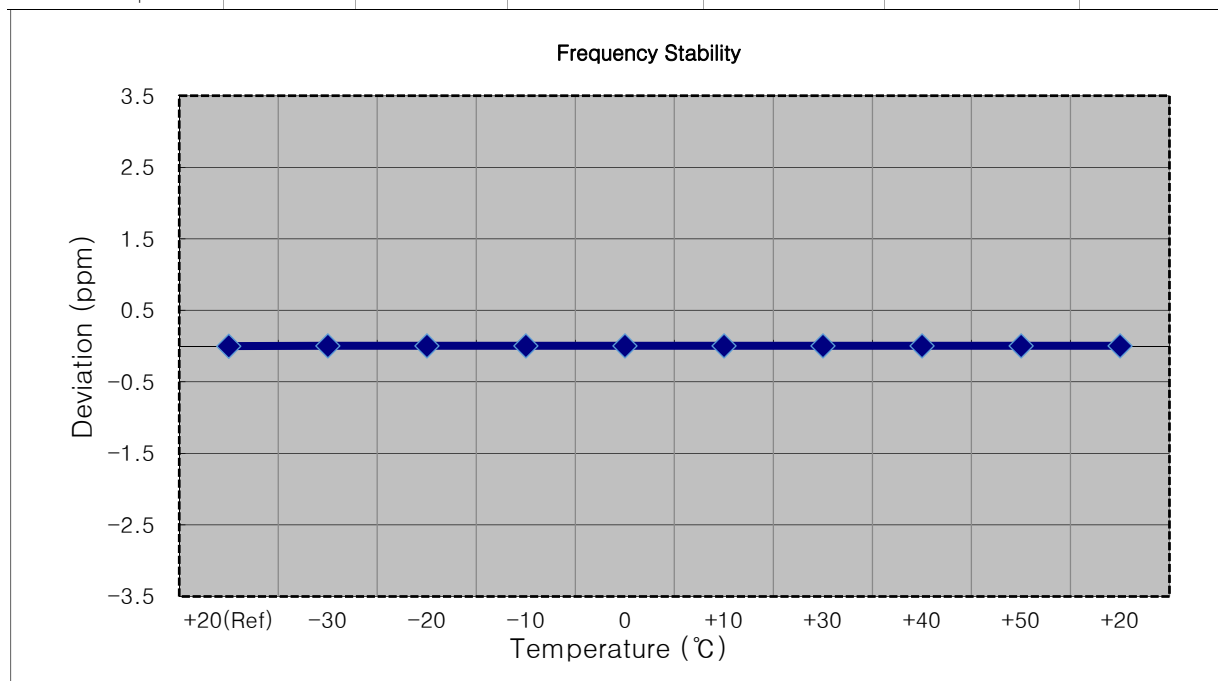
Main 1 ANT

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data	
					(dB)	(MHz)
20 MHz	1882.5	QPSK	100	0	4.94	18.027
20 MHz (Ori.)	1882.5	QPSK	100	0	5.30	17.968

Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
20	1882.5	3.6990	27.976	-67.926	-39.950	0.18
	1882.5	3.0509	27.976	-68.105	-40.129	

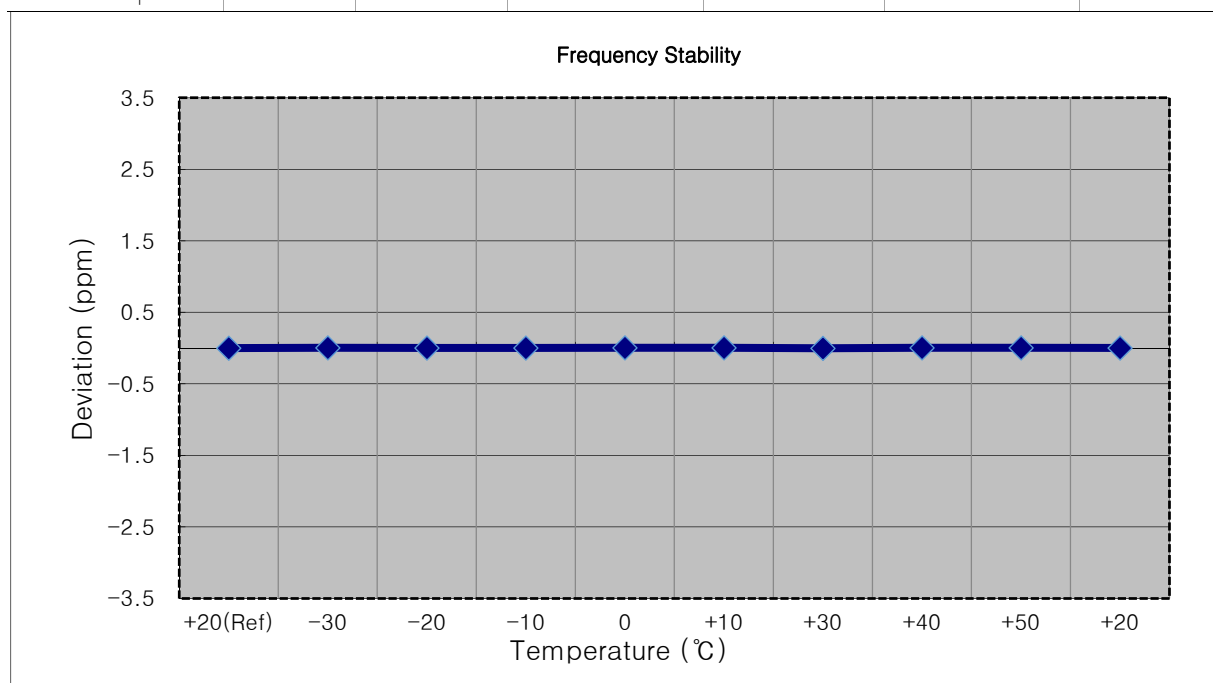
- ▣ MODE: LTE B25
- ▣ OPERATING FREQUENCY: 1860,000,000 Hz
- ▣ CHANNEL: 26140 (20 MHz)
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1860 000 008	0.0	0.000 000	0.000
100 %		-30	1860 000 015	7.1	0.000 000	0.004
100 %		-20	1860 000 015	7.1	0.000 000	0.004
100 %		-10	1860 000 016	8.0	0.000 000	0.004
100 %		0	1860 000 016	7.7	0.000 000	0.004
100 %		+10	1860 000 017	8.9	0.000 000	0.005
100 %		+30	1860 000 017	9.2	0.000 000	0.005
100 %		+40	1860 000 015	7.3	0.000 000	0.004
100 %		+50	1860 000 015	6.7	0.000 000	0.004
Batt. Endpoint	3.300	+20	1860 000 017	9.2	0.000 000	0.005



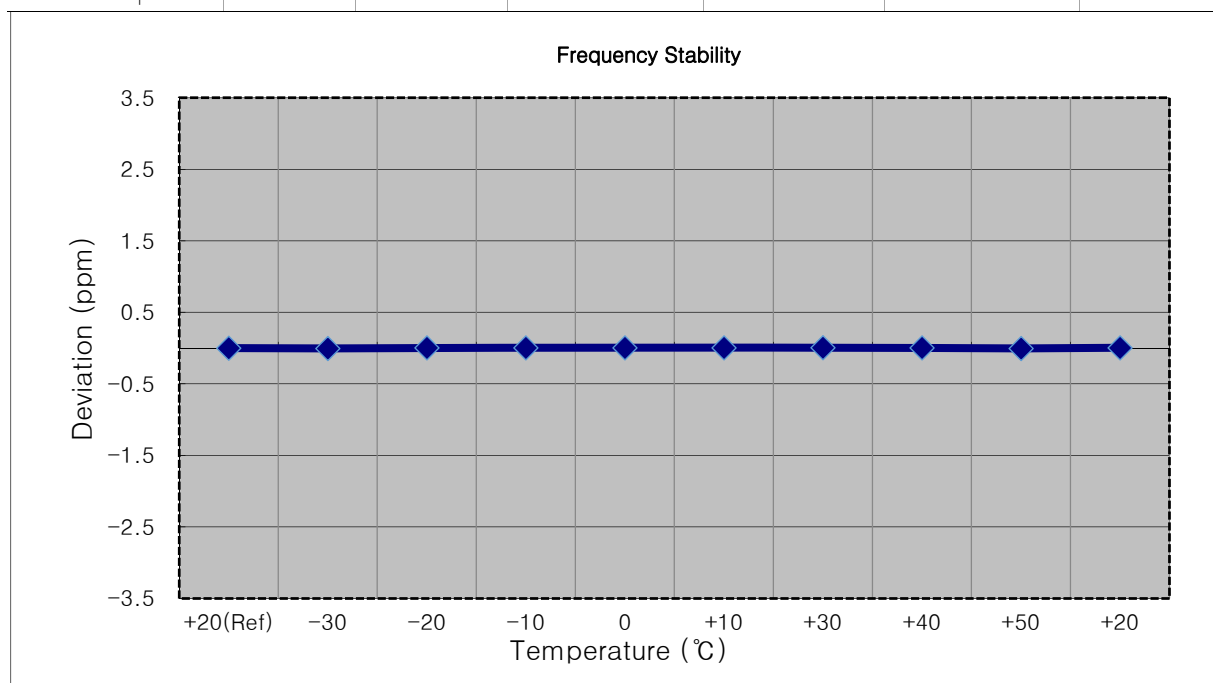
- ▣ MODE: LTE B25
- ▣ OPERATING FREQUENCY: 1882,500,000 Hz
- ▣ CHANNEL: 26365 (20 MHz)
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1882 500 008	0.0	0.000 000	0.000
100 %		-30	1882 500 015	7.4	0.000 000	0.004
100 %		-20	1882 500 014	6.1	0.000 000	0.003
100 %		-10	1882 500 014	6.1	0.000 000	0.003
100 %		0	1882 500 014	6.8	0.000 000	0.004
100 %		+10	1882 500 015	7.6	0.000 000	0.004
100 %		+30	1882 500 002	-5.8	0.000 000	-0.003
100 %		+40	1882 500 014	6.4	0.000 000	0.003
100 %		+50	1882 500 015	7.3	0.000 000	0.004
Batt. Endpoint	3.300	+20	1882 500 014	6.2	0.000 000	0.003

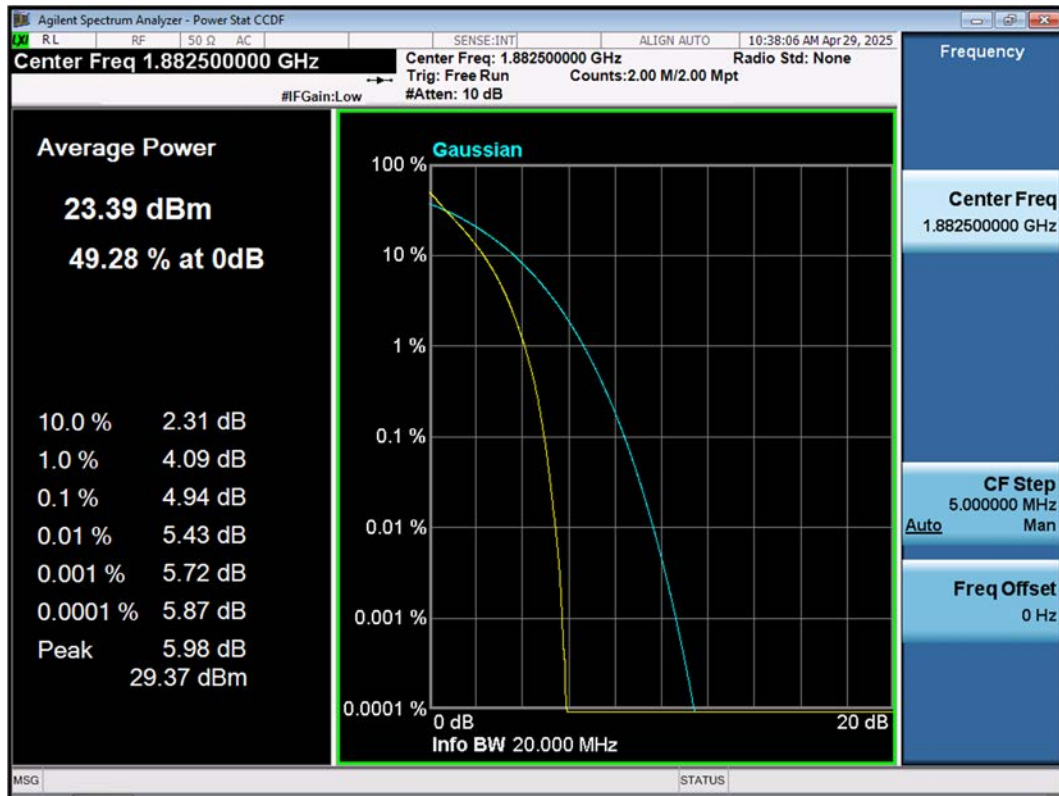


- MODE: LTE B25
- OPERATING FREQUENCY: 1905,000,000 Hz
- CHANNEL: 26590 (20 MHz)
- REFERENCE VOLTAGE: 3.880 VDC
- DEVIATION LIMIT: Emission must remain in band

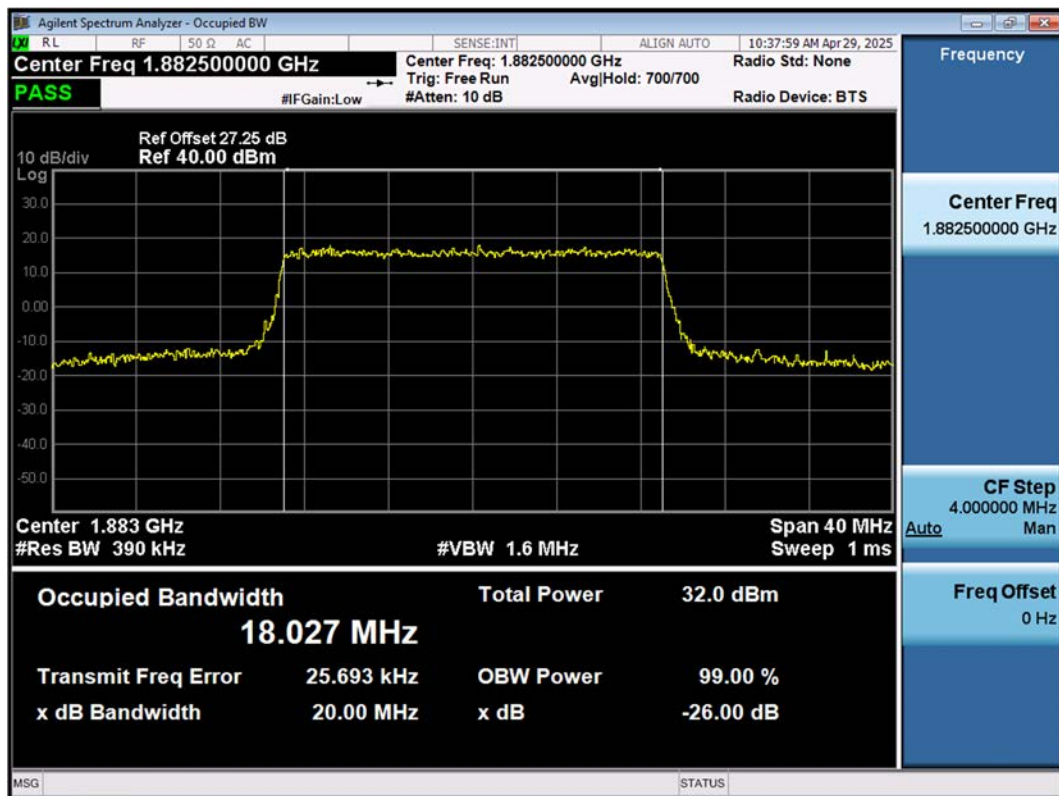
Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1905 000 009	0.0	0.000 000	0.000
100 %		-30	1905 000 000	-8.7	0.000 000	-0.005
100 %		-20	1905 000 018	9.2	0.000 000	0.005
100 %		-10	1905 000 017	8.1	0.000 000	0.004
100 %		0	1905 000 018	8.7	0.000 000	0.005
100 %		+10	1905 000 019	10.4	0.000 001	0.005
100 %		+30	1905 000 020	10.7	0.000 001	0.006
100 %		+40	1905 000 017	8.1	0.000 000	0.004
100 %		+50	1905 000 001	-8.0	0.000 000	-0.004
Batt. Endpoint	3.300	+20	1905 000 018	9.4	0.000 000	0.005



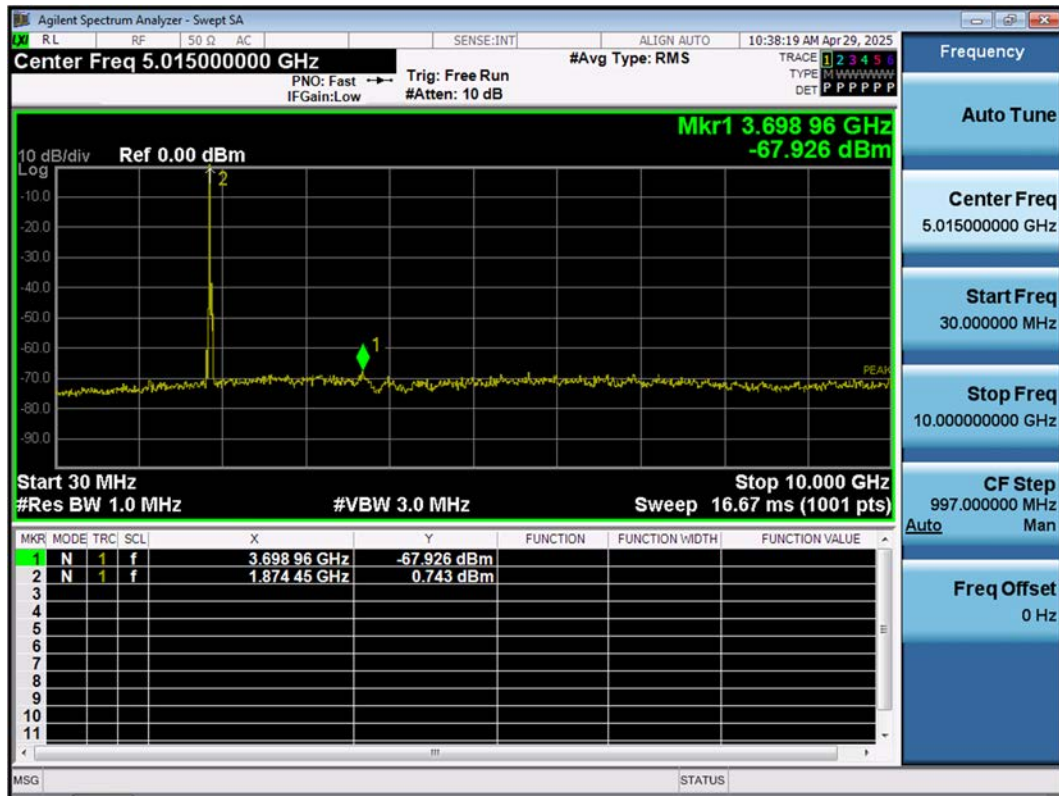
LTE B25_20 M_PAR_Mid_QPSK_FullRB



LTE B25_20 M_OBW_Mid_QPSK_FullRB



LTE B25_20 M_Conducted Spurious(30 M-10 G)_Mid_QPSK_1RB



LTE B25_20 M_Conducted Spurious(Above10 G)_Mid_QPSK_1RB



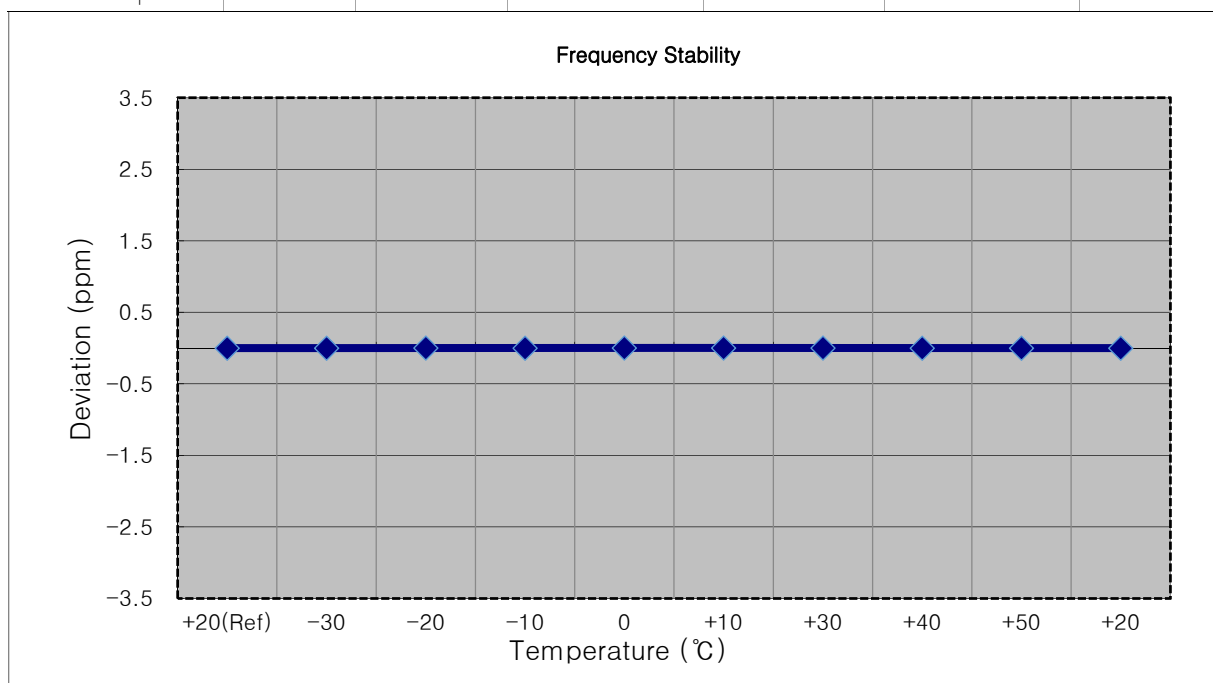
Sub 5 ANT

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data	
					(dB)	(MHz)
20 MHz	1882.5	QPSK	100	0	5.22	18.016
20 MHz (Ori.)	1882.5	QPSK	100	0	5.69	17.997

Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Gap (dB)
20	1882.5	3.0509	27.976	-67.820	-39.844	2.77
	1882.5 (Ori.)	3.7488	27.976	-65.052	-37.076	

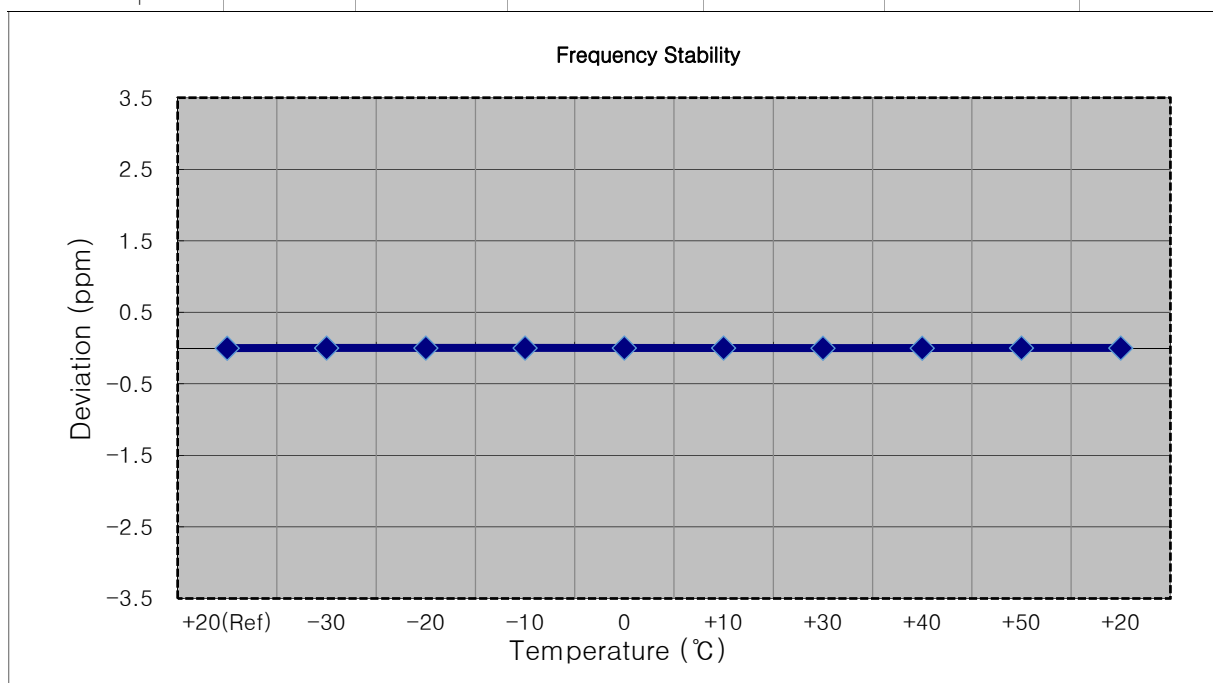
- ▣ MODE: LTE B25
- ▣ OPERATING FREQUENCY: 1860,000,000 Hz
- ▣ CHANNEL: 26140 (20 MHz)
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1860 000 002	0.0	0.000 000	0.000
100 %		-30	1860 000 004	1.8	0.000 000	0.001
100 %		-20	1860 000 005	3.5	0.000 000	0.002
100 %		-10	1860 000 000	-1.8	0.000 000	-0.001
100 %		0	1860 000 005	3.6	0.000 000	0.002
100 %		+10	1860 000 006	4.0	0.000 000	0.002
100 %		+30	1860 000 006	4.4	0.000 000	0.002
100 %		+40	1860 000 000	-2.1	0.000 000	-0.001
100 %		+50	1860 000 000	-1.4	0.000 000	-0.001
Batt. Endpoint	3.300	+20	1860 000 000	-2.1	0.000 000	-0.001



- ▣ MODE: LTE B25
- ▣ OPERATING FREQUENCY: 1882,500,000 Hz
- ▣ CHANNEL: 26365 (20 MHz)
- ▣ REFERENCE VOLTAGE: 3.880 VDC
- ▣ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1882 500 002	0.0	0.000 000	0.000
100 %		-30	1882 500 004	2.6	0.000 000	0.001
100 %		-20	1882 500 004	2.5	0.000 000	0.001
100 %		-10	1882 500 004	2.5	0.000 000	0.001
100 %		0	1882 500 004	2.4	0.000 000	0.001
100 %		+10	1882 500 005	3.2	0.000 000	0.002
100 %		+30	1882 500 000	-1.4	0.000 000	-0.001
100 %		+40	1882 500 004	1.9	0.000 000	0.001
100 %		+50	1882 500 006	4.1	0.000 000	0.002
Batt. Endpoint	3.300	+20	1882 500 005	3.1	0.000 000	0.002



☐ MODE: LTE B25
☐ OPERATING FREQUENCY: 1905,000,000 Hz
☐ CHANNEL: 26590 (20 MHz)
☐ REFERENCE VOLTAGE: 3.880 VDC
☐ DEVIATION LIMIT: Emission must remain in band

Voltage	Power	Temp.	Frequency	Frequency	Deviation	ppm
(%)	(VDC)	(°C)	(Hz)	Error (Hz)	(%)	
100 %	3.880	+20(Ref)	1905 000 003	0.0	0.000 000	0.000
100 %		-30	1905 000 008	4.5	0.000 000	0.002
100 %		-20	1905 000 005	2.2	0.000 000	0.001
100 %		-10	1905 000 000	-3.2	0.000 000	-0.002
100 %		0	1905 000 000	-3.1	0.000 000	-0.002
100 %		+10	1905 000 000	-3.3	0.000 000	-0.002
100 %		+30	1905 000 006	2.8	0.000 000	0.001
100 %		+40	1905 000 007	3.8	0.000 000	0.002
100 %		+50	1905 000 005	2.2	0.000 000	0.001
Batt. Endpoint	3.300	+20	1905 000 007	3.6	0.000 000	0.002

