5 Spurious Emissions at antenna terminal

Band	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Conducted Spurious Plot
						QPSK
26	831.5	26865	15	1	0	Fig.1
26	836.5	26915	15	1	0	Fig.2
26	841.5	26965	15	1	0	Fig.3

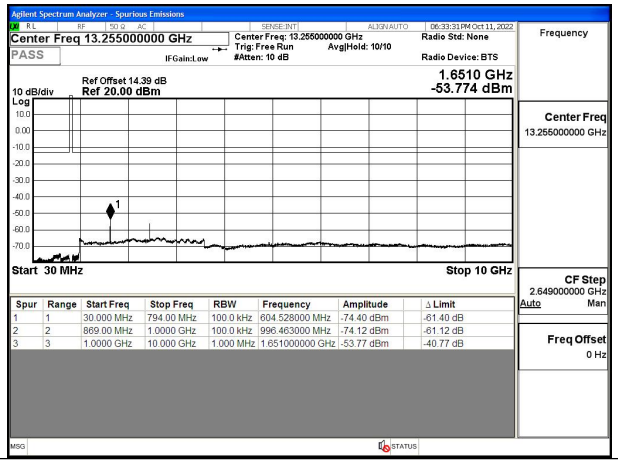


Fig.1

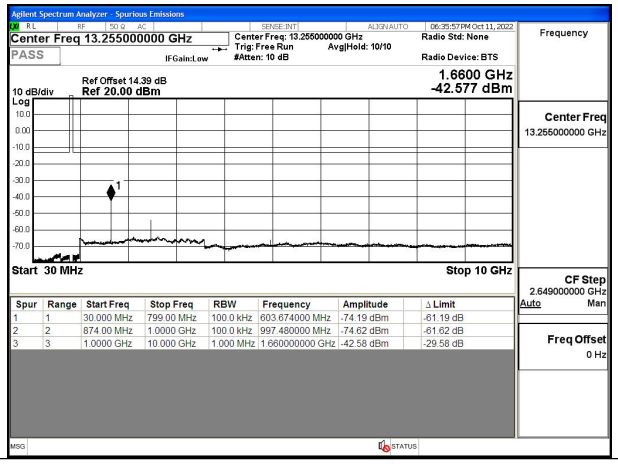


Fig.2

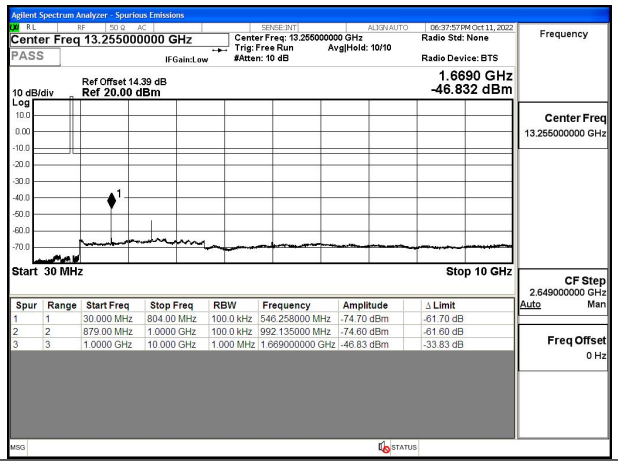


Fig.3

6 Band Edges Compliance

Band	Mode	Carrier frequency (MHz)	Channel	BW	RB Size	RB Offset	Band Edges Plot
26	QPSK	824.7	26797	1.4	1	0	Fig.1
26	QPSK	824.7	26797	1.4	6	0	Fig.2
26	QPSK	848.3	27033	1.4	1	5	Fig.3
26	QPSK	848.3	27033	1.4	6	0	Fig.4
26	QPSK	825.5	26805	3	1	0	Fig.5
26	QPSK	825.5	26805	3	15	0	Fig.6
26	QPSK	847.5	27025	3	1	14	Fig.7
26	QPSK	847.5	27025	3	15	0	Fig.8
26	QPSK	826.5	26815	5	1	0	Fig.9
26	QPSK	826.5	26815	5	25	0	Fig.10
26	QPSK	846.5	27015	5	1	24	Fig.11
26	QPSK	846.5	27015	5	25	0	Fig.12
26	QPSK	829	26840	10	1	0	Fig.13
26	QPSK	829	26840	10	50	0	Fig.14
26	QPSK	844	26990	10	1	49	Fig.15
26	QPSK	844	26990	10	50	0	Fig.16
26	QPSK	831.5	26865	15	1	0	Fig.17
26	QPSK	831.5	26865	15	75	0	Fig.18
26	QPSK	841.5	26965	15	1	74	Fig.19
26	QPSK	841.5	26965	15	75	0	Fig.20

Test Mode: QPSK

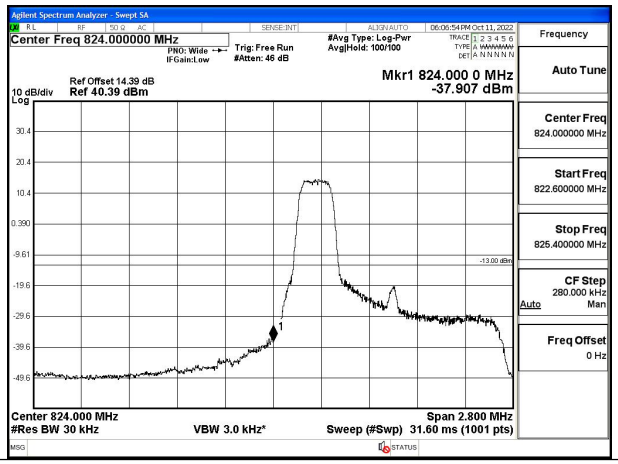


Fig.1

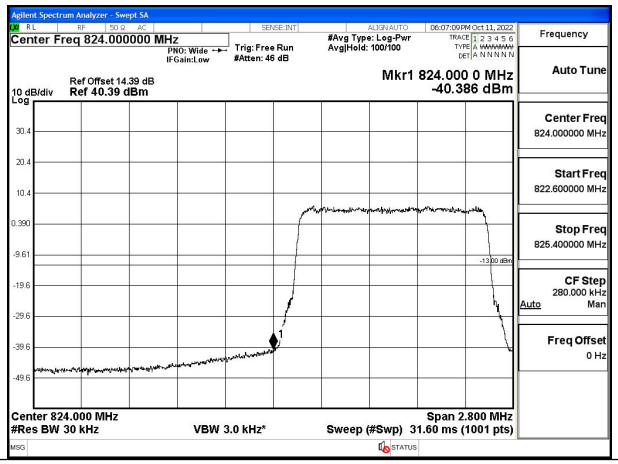


Fig.2

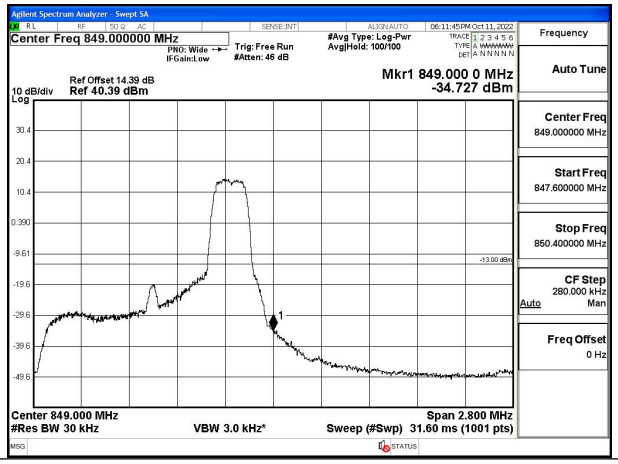


Fig.3

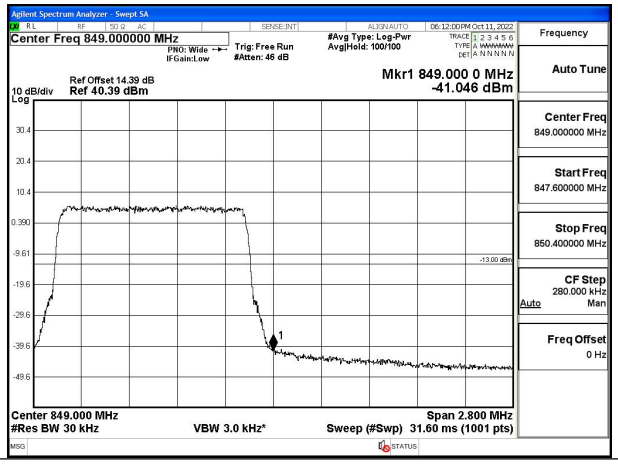


Fig.4

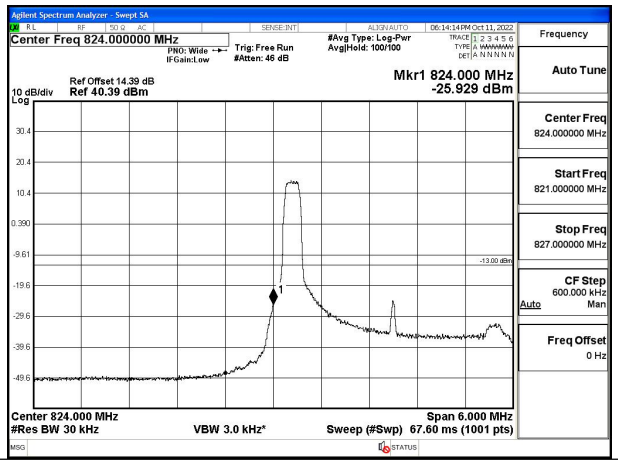


Fig.5

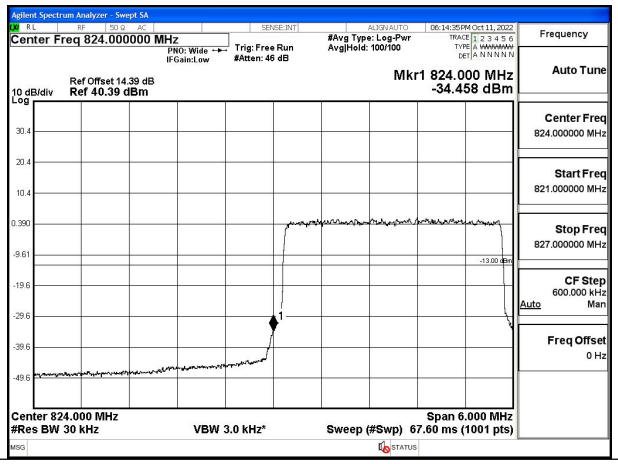


Fig.6

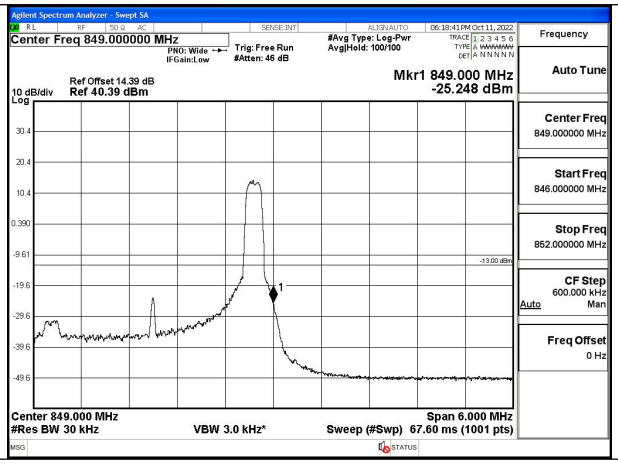


Fig.7

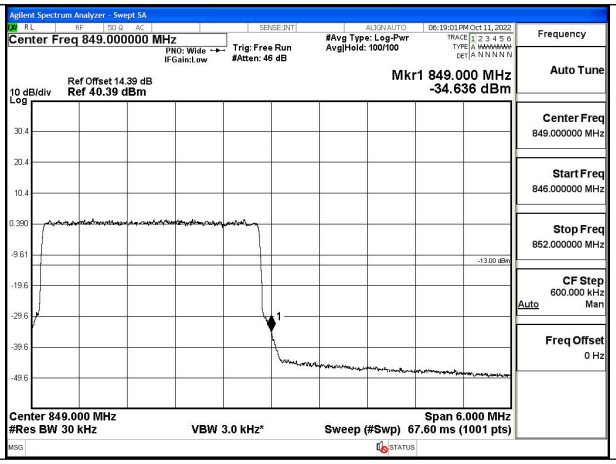


Fig.8

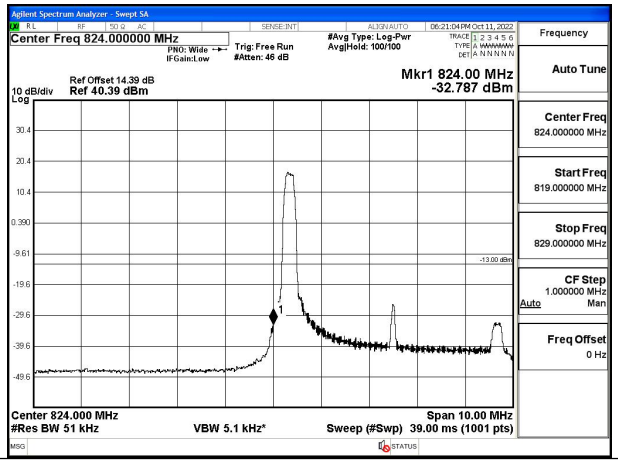


Fig.9

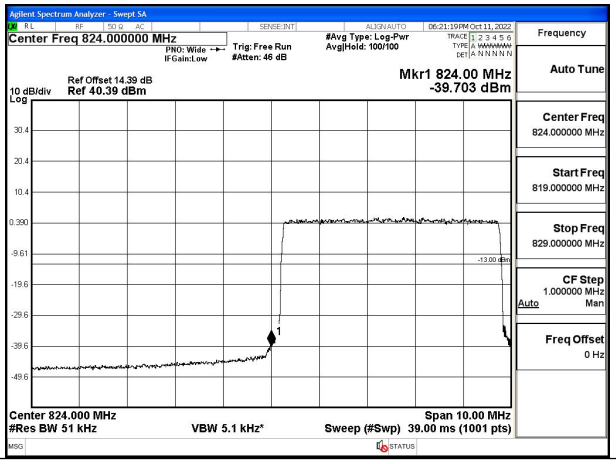


Fig.10

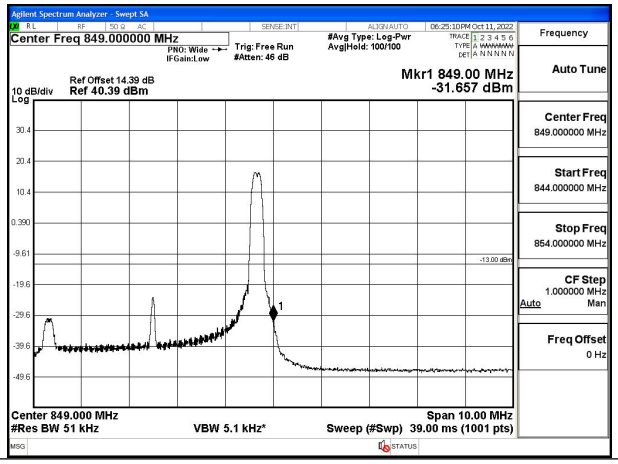


Fig.11

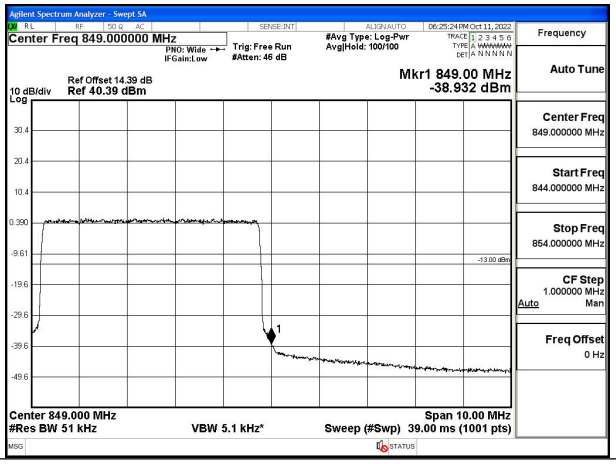


Fig.12

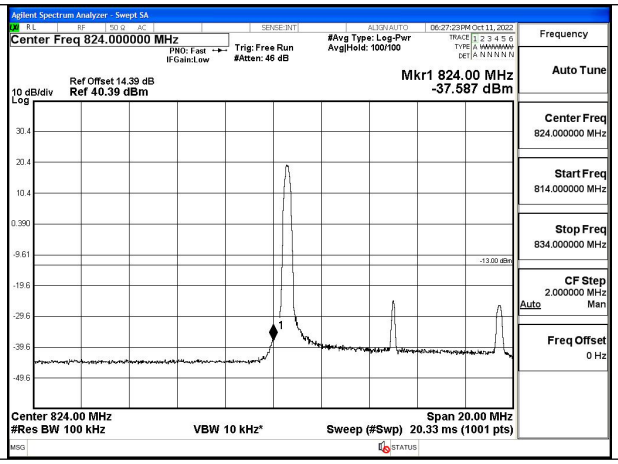


Fig.13

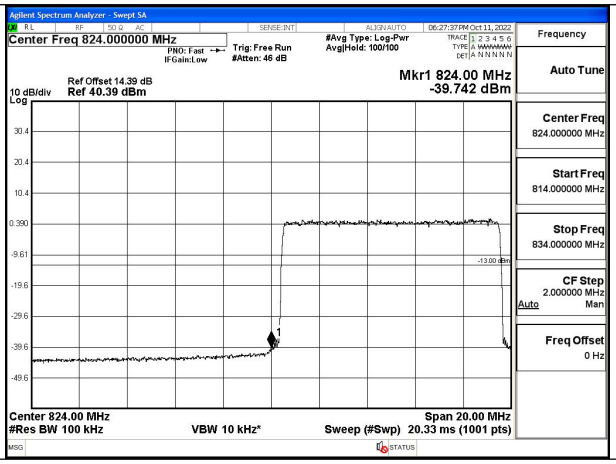


Fig.14

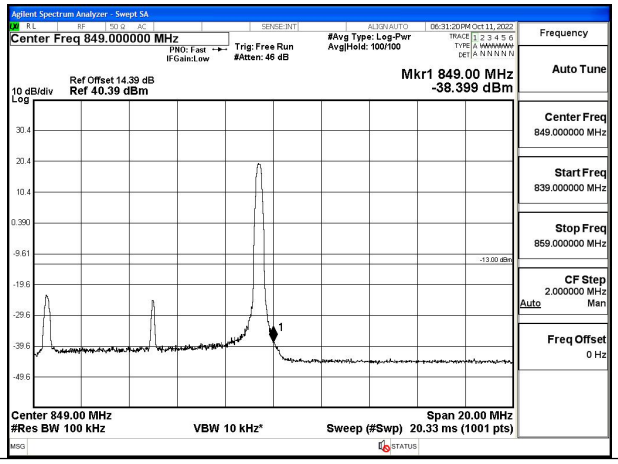


Fig.15

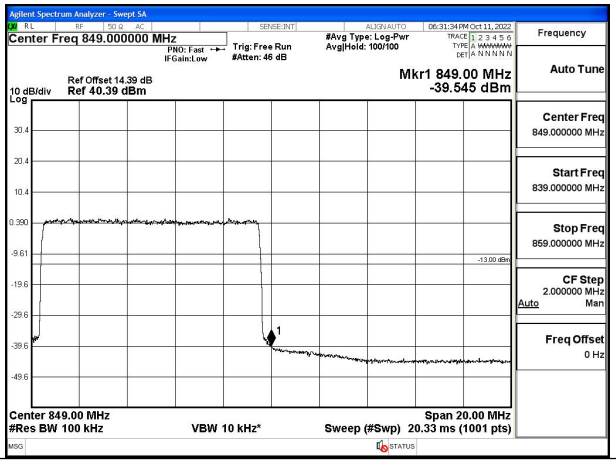


Fig.16

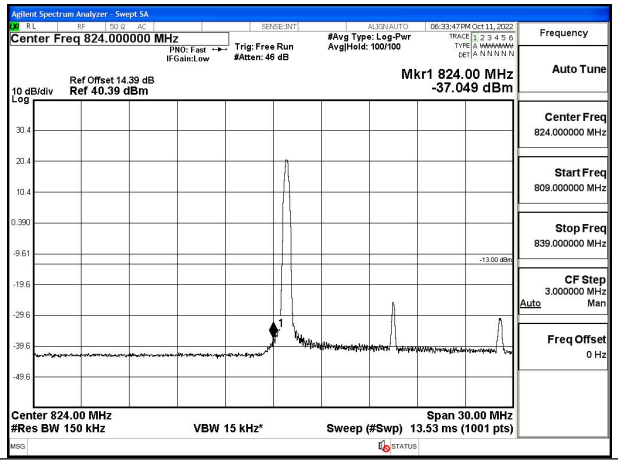


Fig.17

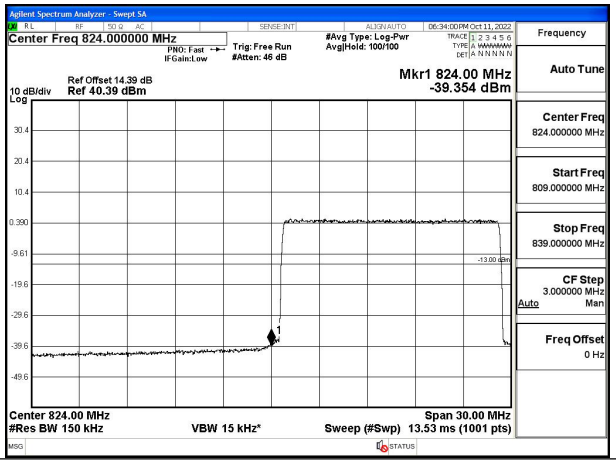
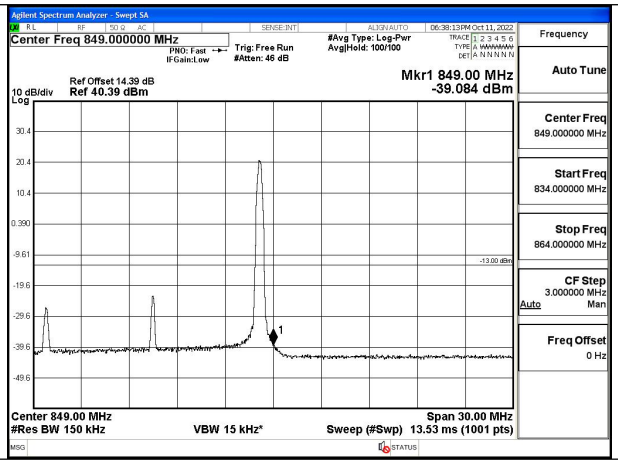


Fig.18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IFGain:Low
Trig: Free Run
#Atten: 46 dB
#Avg Type: Log-Pwr
Avg|Hold: 100/100
06:38:13 PM Oct 11, 2022
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-39.084 dBm
Center 849.00 MHz
#Res BW 150 kHz
VBW 15 kHz*
Span 30.00 MHz
Sweep (#Swp) 13.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
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CF Step
3.000000 MHz
Auto Man
Freq Offset
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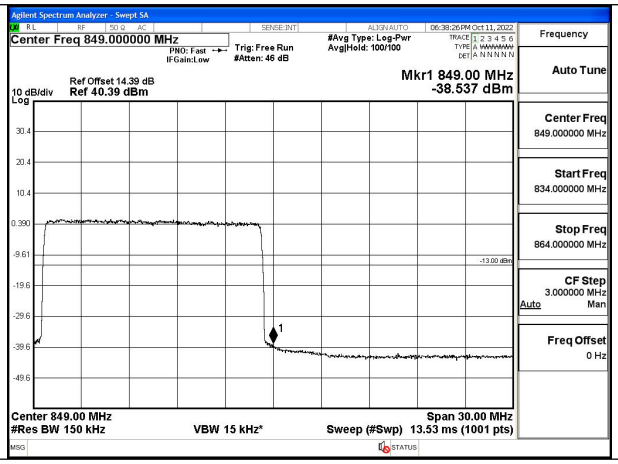
Fig.19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VBW 15 kHz*
Span 30.00 MHz
Sweep (#Swp) 13.53 ms (1001 pts)
Frequency
Auto Tune
Center Freq
849.000000 MHz
Start Freq
834.000000 MHz
Stop Freq
864.000000 MHz
CF Step
3.000000 MHz
Auto Man
Freq Offset
0 Hz

Fig.20

7 Frequency Stability

Temperature(°C)	Voltage	Test Result (ppm) Band 26(824-849) Low Channel QPSK				
		1.4M	3M	5M	10M	15M
-20	NV	0.007	0.004	0.007	0.006	0.007
-10	NV	0.015	0.007	0.009	-0.003	0.004
0	NV	0.009	0.002	0.014	0.003	0.002
+10	NV	-0.002	0.009	0.006	-0.004	0.006
+20	NV	0.007	0.007	0.008	-0.003	-0.005
+30	NV	-0.004	0.012	0.009	-0.003	0.011
+40	NV	0.007	0.007	0.006	-0.003	0.011
+50	NV	0.001	-0.004	0.006	-0.003	0.006
+60	NV	0.008	0.007	0.013	0.001	0.002
+20	LV	0.004	0.006	0.007	0.008	0.007
+20	HV	-0.001	0.004	0.007	0.006	0.006

Temperature(°C)	Voltage	Test Result (ppm) Band 26(824-849) High Channel QPSK				
		1.4M	3M	5M	10M	15M
-20	NV	-0.001	0.008	0.005	0.005	0.005
-10	NV	0.003	0.002	0.006	0.005	-0.005
0	NV	0.005	0.011	0.004	0.013	0.003
+10	NV	-0.004	0.008	-0.004	0.004	0.005
+20	NV	-0.005	0.006	-0.002	0.007	0.004
+30	NV	0.007	0.005	0.002	0.007	-0.003
+40	NV	0.009	0.013	0.002	0.006	0.001
+50	NV	-0.004	0.009	0.003	0.006	-0.001
+60	NV	-0.002	0.006	0.011	-0.004	-0.002
+20	LV	0.004	0.007	0.004	-0.003	-0.004
+20	HV	0.006	0.007	0.001	0.004	0.002

8 Effective Radiated Power and Effective Isotropic Radiated Power

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	824.7	26797	1.4	1	0	23.69	19.81	0.096
QPSK	824.7	26797	1.4	1	3	23.71	19.83	0.096
QPSK	824.7	26797	1.4	1	5	23.66	19.78	0.095
QPSK	824.7	26797	1.4	3	0	23.28	19.40	0.087
QPSK	824.7	26797	1.4	3	1	23.43	19.55	0.090
QPSK	824.7	26797	1.4	3	3	23.33	19.45	0.088
QPSK	824.7	26797	1.4	6	0	22.30	18.42	0.070
QPSK	836.5	26915	1.4	1	0	23.28	19.40	0.087
QPSK	836.5	26915	1.4	1	3	23.27	19.39	0.087
QPSK	836.5	26915	1.4	1	5	23.30	19.42	0.087
QPSK	836.5	26915	1.4	3	0	23.27	19.39	0.087
QPSK	836.5	26915	1.4	3	1	23.34	19.46	0.088
QPSK	836.5	26915	1.4	3	3	23.31	19.43	0.088
QPSK	836.5	26915	1.4	6	0	22.25	18.37	0.069
QPSK	848.3	27033	1.4	1	0	23.38	19.50	0.089
QPSK	848.3	27033	1.4	1	3	23.28	19.40	0.087
QPSK	848.3	27033	1.4	1	5	23.31	19.43	0.088
QPSK	848.3	27033	1.4	3	0	23.27	19.39	0.087
QPSK	848.3	27033	1.4	3	1	23.30	19.42	0.087
QPSK	848.3	27033	1.4	3	3	23.20	19.32	0.086
QPSK	848.3	27033	1.4	6	0	22.29	18.41	0.069

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	824.7	26797	1.4	1	0	22.61	18.73	0.075
16QAM	824.7	26797	1.4	1	3	23.12	19.24	0.084
16QAM	824.7	26797	1.4	1	5	23.21	19.33	0.086
16QAM	824.7	26797	1.4	3	0	22.83	18.95	0.079
16QAM	824.7	26797	1.4	3	1	22.69	18.81	0.076
16QAM	824.7	26797	1.4	3	3	22.84	18.96	0.079
16QAM	824.7	26797	1.4	6	0	21.39	17.51	0.056
16QAM	836.5	26915	1.4	1	0	22.41	18.53	0.071
16QAM	836.5	26915	1.4	1	3	22.92	19.04	0.080
16QAM	836.5	26915	1.4	1	5	22.69	18.81	0.076
16QAM	836.5	26915	1.4	3	0	22.68	18.80	0.076
16QAM	836.5	26915	1.4	3	1	22.69	18.81	0.076
16QAM	836.5	26915	1.4	3	3	22.64	18.76	0.075
16QAM	836.5	26915	1.4	6	0	21.21	17.33	0.054
16QAM	848.3	27033	1.4	1	0	22.94	19.06	0.081
16QAM	848.3	27033	1.4	1	3	22.16	18.28	0.067
16QAM	848.3	27033	1.4	1	5	22.30	18.42	0.070
16QAM	848.3	27033	1.4	3	0	22.32	18.44	0.070
16QAM	848.3	27033	1.4	3	1	22.51	18.63	0.073
16QAM	848.3	27033	1.4	3	3	22.51	18.63	0.073
16QAM	848.3	27033	1.4	6	0	21.16	17.28	0.053

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	825.5	26805	3	1	0	23.67	19.79	0.095
QPSK	825.5	26805	3	1	8	23.71	19.83	0.096
QPSK	825.5	26805	3	1	14	23.71	19.83	0.096
QPSK	825.5	26805	3	8	0	22.33	18.45	0.070
QPSK	825.5	26805	3	8	4	22.44	18.56	0.072
QPSK	825.5	26805	3	8	7	22.41	18.53	0.071
QPSK	825.5	26805	3	15	0	22.40	18.52	0.071
QPSK	836.5	26915	3	1	0	23.62	19.74	0.094
QPSK	836.5	26915	3	1	8	23.59	19.71	0.094
QPSK	836.5	26915	3	1	14	23.63	19.75	0.094
QPSK	836.5	26915	3	8	0	22.44	18.56	0.072
QPSK	836.5	26915	3	8	4	22.36	18.48	0.070
QPSK	836.5	26915	3	8	7	22.32	18.44	0.070
QPSK	836.5	26915	3	15	0	22.32	18.44	0.070
QPSK	847.5	27025	3	1	0	23.11	19.23	0.084
QPSK	847.5	27025	3	1	8	23.23	19.35	0.086
QPSK	847.5	27025	3	1	14	23.00	19.12	0.082
QPSK	847.5	27025	3	8	0	22.36	18.48	0.070
QPSK	847.5	27025	3	8	4	22.20	18.32	0.068
QPSK	847.5	27025	3	8	7	22.33	18.45	0.070
QPSK	847.5	27025	3	15	0	22.17	18.29	0.067

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	825.5	26805	3	1	0	22.80	18.92	0.078
16QAM	825.5	26805	3	1	8	23.25	19.37	0.086
16QAM	825.5	26805	3	1	14	22.49	18.61	0.073
16QAM	825.5	26805	3	8	0	21.50	17.62	0.058
16QAM	825.5	26805	3	8	4	21.54	17.66	0.058
16QAM	825.5	26805	3	8	7	21.62	17.74	0.059
16QAM	825.5	26805	3	15	0	21.56	17.68	0.059
16QAM	836.5	26915	3	1	0	22.78	18.90	0.078
16QAM	836.5	26915	3	1	8	22.90	19.02	0.080
16QAM	836.5	26915	3	1	14	22.89	19.01	0.080
16QAM	836.5	26915	3	8	0	21.54	17.66	0.058
16QAM	836.5	26915	3	8	4	21.46	17.58	0.057
16QAM	836.5	26915	3	8	7	21.62	17.74	0.059
16QAM	836.5	26915	3	15	0	21.56	17.68	0.059
16QAM	847.5	27025	3	1	0	22.69	18.81	0.076
16QAM	847.5	27025	3	1	8	22.74	18.86	0.077
16QAM	847.5	27025	3	1	14	22.77	18.89	0.077
16QAM	847.5	27025	3	8	0	21.44	17.56	0.057
16QAM	847.5	27025	3	8	4	21.46	17.58	0.057
16QAM	847.5	27025	3	8	7	21.27	17.39	0.055
16QAM	847.5	27025	3	15	0	21.43	17.55	0.057

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	826.5	26815	5	1	0	23.31	19.43	0.088
QPSK	826.5	26815	5	1	12	23.47	19.59	0.091
QPSK	826.5	26815	5	1	24	23.24	19.36	0.086
QPSK	826.5	26815	5	12	0	22.46	18.58	0.072
QPSK	826.5	26815	5	12	7	22.32	18.44	0.070
QPSK	826.5	26815	5	12	13	22.44	18.56	0.072
QPSK	826.5	26815	5	25	0	22.42	18.54	0.071
QPSK	836.5	26915	5	1	0	23.32	19.44	0.088
QPSK	836.5	26915	5	1	12	23.24	19.36	0.086
QPSK	836.5	26915	5	1	24	23.25	19.37	0.086
QPSK	836.5	26915	5	12	0	22.35	18.47	0.070
QPSK	836.5	26915	5	12	7	22.27	18.39	0.069
QPSK	836.5	26915	5	12	13	22.43	18.55	0.072
QPSK	836.5	26915	5	25	0	22.36	18.48	0.070
QPSK	846.5	27015	5	1	0	23.58	19.70	0.093
QPSK	846.5	27015	5	1	12	23.70	19.82	0.096
QPSK	846.5	27015	5	1	24	23.58	19.70	0.093
QPSK	846.5	27015	5	12	0	22.34	18.46	0.070
QPSK	846.5	27015	5	12	7	22.24	18.36	0.069
QPSK	846.5	27015	5	12	13	22.28	18.40	0.069
QPSK	846.5	27015	5	25	0	22.29	18.41	0.069

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	826.5	26815	5	1	0	22.62	18.74	0.075
16QAM	826.5	26815	5	1	12	23.05	19.17	0.083
16QAM	826.5	26815	5	1	24	22.92	19.04	0.080
16QAM	826.5	26815	5	12	0	21.45	17.57	0.057
16QAM	826.5	26815	5	12	7	21.53	17.65	0.058
16QAM	826.5	26815	5	12	13	21.43	17.55	0.057
16QAM	826.5	26815	5	25	0	21.73	17.85	0.061
16QAM	836.5	26915	5	1	0	22.93	19.05	0.080
16QAM	836.5	26915	5	1	12	22.65	18.77	0.075
16QAM	836.5	26915	5	1	24	22.91	19.03	0.080
16QAM	836.5	26915	5	12	0	21.41	17.53	0.057
16QAM	836.5	26915	5	12	7	21.43	17.55	0.057
16QAM	836.5	26915	5	12	13	21.48	17.60	0.058
16QAM	836.5	26915	5	25	0	21.42	17.54	0.057
16QAM	846.5	27015	5	1	0	22.67	18.79	0.076
16QAM	846.5	27015	5	1	12	23.03	19.15	0.082
16QAM	846.5	27015	5	1	24	22.61	18.73	0.075
16QAM	846.5	27015	5	12	0	21.36	17.48	0.056
16QAM	846.5	27015	5	12	7	21.31	17.43	0.055
16QAM	846.5	27015	5	12	13	21.16	17.28	0.053
16QAM	846.5	27015	5	25	0	21.40	17.52	0.056

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	829	26840	10	1	0	23.74	19.86	0.097
QPSK	829	26840	10	1	25	23.63	19.75	0.094
QPSK	829	26840	10	1	49	23.57	19.69	0.093
QPSK	829	26840	10	25	0	22.26	18.38	0.069
QPSK	829	26840	10	25	12	22.51	18.63	0.073
QPSK	829	26840	10	25	25	22.50	18.62	0.073
QPSK	829	26840	10	50	0	22.35	18.47	0.070
QPSK	836.5	26915	10	1	0	23.50	19.62	0.092
QPSK	836.5	26915	10	1	25	23.69	19.81	0.096
QPSK	836.5	26915	10	1	49	23.58	19.70	0.093
QPSK	836.5	26915	10	25	0	22.26	18.38	0.069
QPSK	836.5	26915	10	25	12	22.37	18.49	0.071
QPSK	836.5	26915	10	25	25	22.19	18.31	0.068
QPSK	836.5	26915	10	50	0	22.42	18.54	0.071
QPSK	844	26990	10	1	0	23.32	19.44	0.088
QPSK	844	26990	10	1	25	23.28	19.40	0.087
QPSK	844	26990	10	1	49	23.17	19.29	0.085
QPSK	844	26990	10	25	0	22.39	18.51	0.071
QPSK	844	26990	10	25	12	22.37	18.49	0.071
QPSK	844	26990	10	25	25	22.21	18.33	0.068
QPSK	844	26990	10	50	0	22.40	18.52	0.071

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	829	26840	10	1	0	22.58	18.70	0.074
16QAM	829	26840	10	1	25	22.61	18.73	0.075
16QAM	829	26840	10	1	49	22.49	18.61	0.073
16QAM	829	26840	10	25	0	21.77	17.89	0.062
16QAM	829	26840	10	25	12	21.70	17.82	0.061
16QAM	829	26840	10	25	25	21.72	17.84	0.061
16QAM	829	26840	10	50	0	21.57	17.69	0.059
16QAM	836.5	26915	10	1	0	22.89	19.01	0.080
16QAM	836.5	26915	10	1	25	22.44	18.56	0.072
16QAM	836.5	26915	10	1	49	22.84	18.96	0.079
16QAM	836.5	26915	10	25	0	21.66	17.78	0.060
16QAM	836.5	26915	10	25	12	21.66	17.78	0.060
16QAM	836.5	26915	10	25	25	21.74	17.86	0.061
16QAM	836.5	26915	10	50	0	21.49	17.61	0.058
16QAM	844	26990	10	1	0	22.65	18.77	0.075
16QAM	844	26990	10	1	25	22.48	18.60	0.072
16QAM	844	26990	10	1	49	22.41	18.53	0.071
16QAM	844	26990	10	25	0	21.57	17.69	0.059
16QAM	844	26990	10	25	12	21.54	17.66	0.058
16QAM	844	26990	10	25	25	21.69	17.81	0.060
16QAM	844	26990	10	50	0	21.30	17.42	0.055

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
QPSK	831.5	26865	15	1	0	23.43	19.55	0.090
QPSK	831.5	26865	15	1	37	23.43	19.55	0.090
QPSK	831.5	26865	15	1	74	23.32	19.44	0.088
QPSK	831.5	26865	15	36	0	22.56	18.68	0.074
QPSK	831.5	26865	15	36	29	22.49	18.61	0.073
QPSK	831.5	26865	15	36	30	22.49	18.61	0.073
QPSK	831.5	26865	15	75	0	22.54	18.66	0.073
QPSK	836.5	26915	15	1	0	23.46	19.58	0.091
QPSK	836.5	26915	15	1	37	23.55	19.67	0.093
QPSK	836.5	26915	15	1	74	23.35	19.47	0.089
QPSK	836.5	26915	15	36	0	22.50	18.62	0.073
QPSK	836.5	26915	15	36	29	22.29	18.41	0.069
QPSK	836.5	26915	15	36	30	22.30	18.42	0.070
QPSK	836.5	26915	15	75	0	22.31	18.43	0.070
QPSK	841.5	26965	15	1	0	23.34	19.46	0.088
QPSK	841.5	26965	15	1	37	23.20	19.32	0.086
QPSK	841.5	26965	15	1	74	23.40	19.52	0.090
QPSK	841.5	26965	15	36	0	22.46	18.58	0.072
QPSK	841.5	26965	15	36	29	22.42	18.54	0.071
QPSK	841.5	26965	15	36	30	22.23	18.35	0.068
QPSK	841.5	26965	15	75	0	22.39	18.51	0.071

Modulation	Carrier frequency (MHz)	UL Channel	BW	RB Size	RB Offset	Conducted power (dBm)	ERP/ EIRP (dBm)	ERP/ EIRP (W)
16QAM	831.5	26865	15	1	0	22.75	18.87	0.077
16QAM	831.5	26865	15	1	37	23.18	19.30	0.085
16QAM	831.5	26865	15	1	74	22.55	18.67	0.074
16QAM	831.5	26865	15	36	0	21.46	17.58	0.057
16QAM	831.5	26865	15	36	29	21.45	17.57	0.057
16QAM	831.5	26865	15	36	30	21.49	17.61	0.058
16QAM	831.5	26865	15	75	0	21.58	17.70	0.059
16QAM	836.5	26915	15	1	0	23.06	19.18	0.083
16QAM	836.5	26915	15	1	37	22.38	18.50	0.071
16QAM	836.5	26915	15	1	74	22.22	18.34	0.068
16QAM	836.5	26915	15	36	0	21.63	17.75	0.060
16QAM	836.5	26915	15	36	29	21.39	17.51	0.056
16QAM	836.5	26915	15	36	30	21.45	17.57	0.057
16QAM	836.5	26915	15	75	0	21.31	17.43	0.055
16QAM	841.5	26965	15	1	0	22.96	19.08	0.081
16QAM	841.5	26965	15	1	37	22.80	18.92	0.078
16QAM	841.5	26965	15	1	74	23.18	19.30	0.085
16QAM	841.5	26965	15	36	0	21.31	17.43	0.055
16QAM	841.5	26965	15	36	29	21.37	17.49	0.056
16QAM	841.5	26965	15	36	30	21.26	17.38	0.055
16QAM	841.5	26965	15	75	0	21.36	17.48	0.056