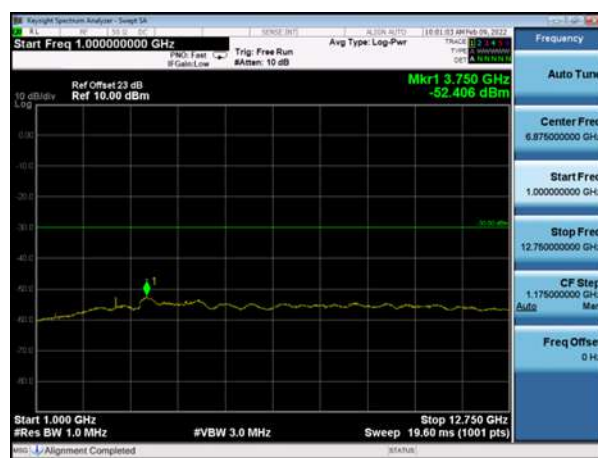
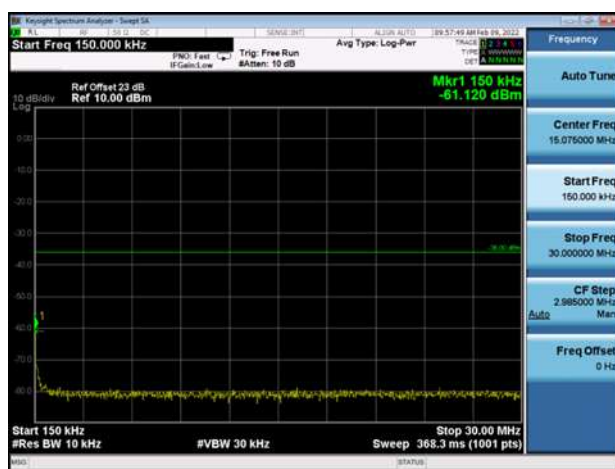
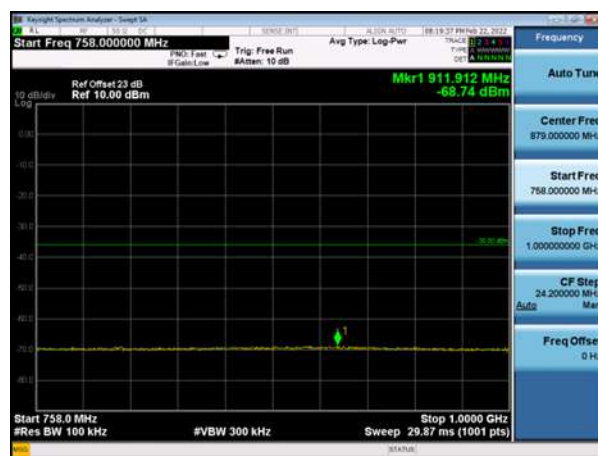
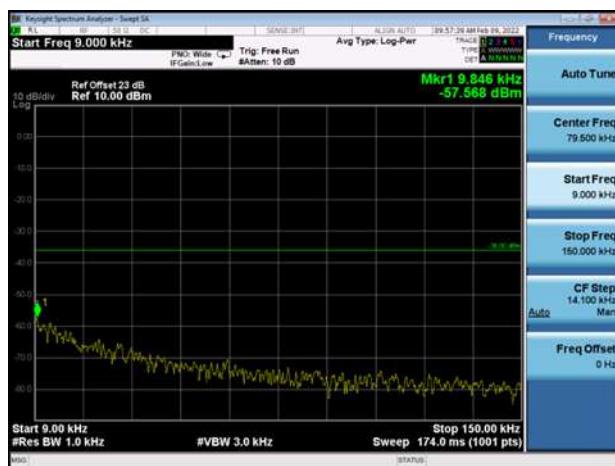


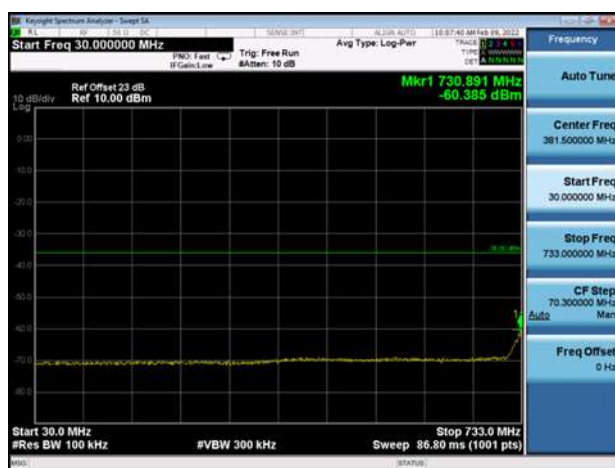
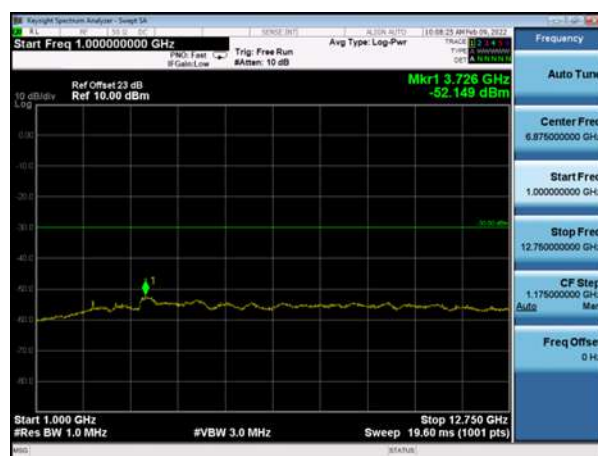
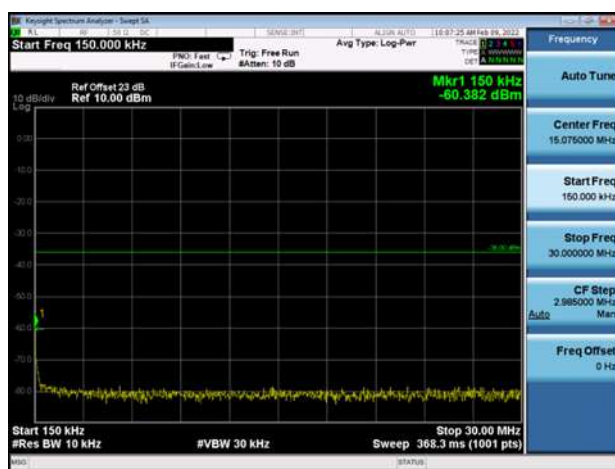
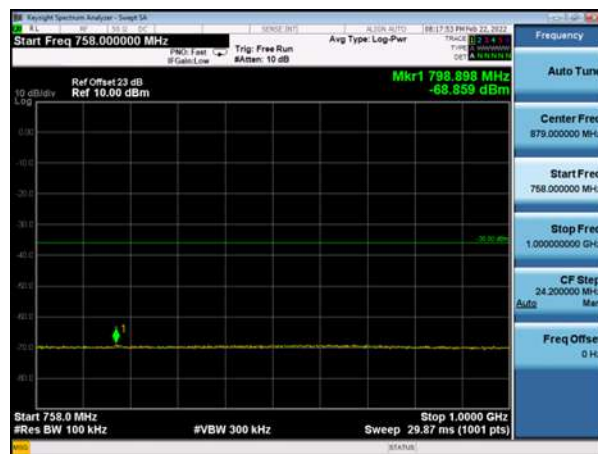
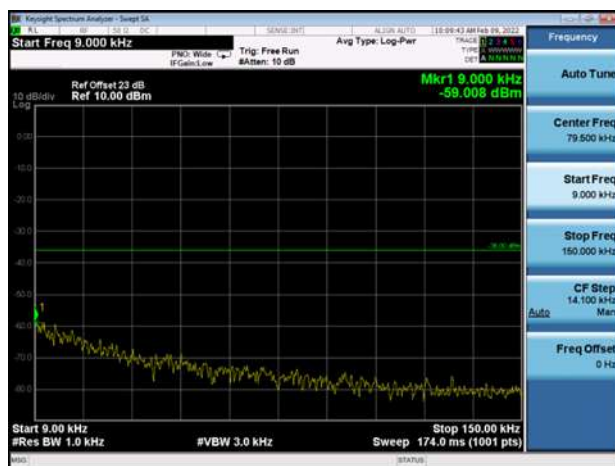


Band28 BW:5MHz Channel:27635, QPSK, 1RB@24



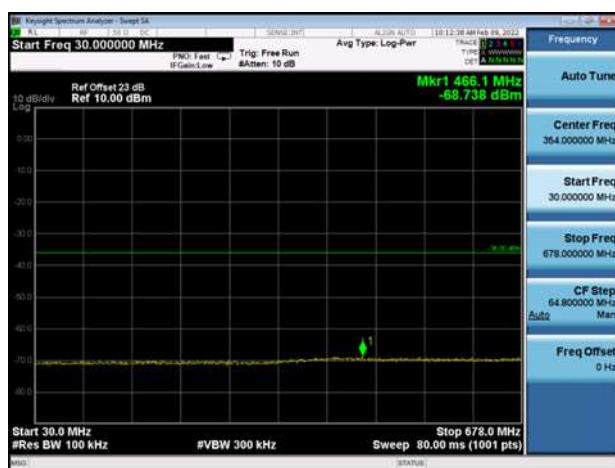
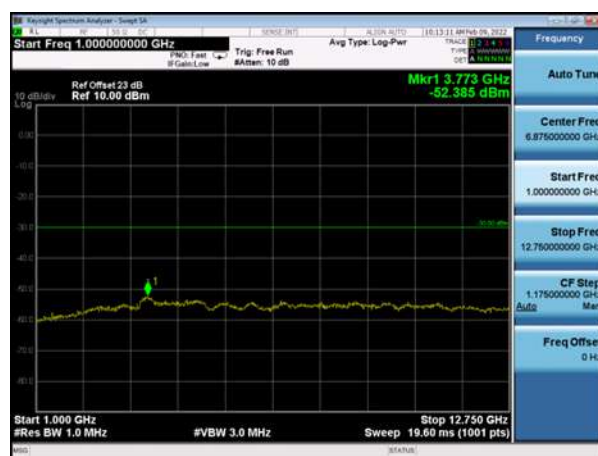
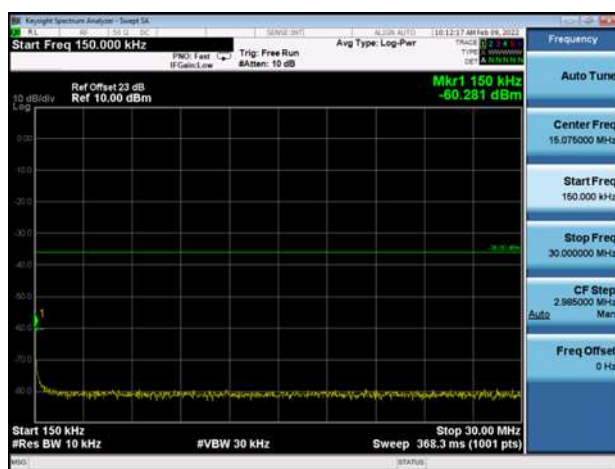
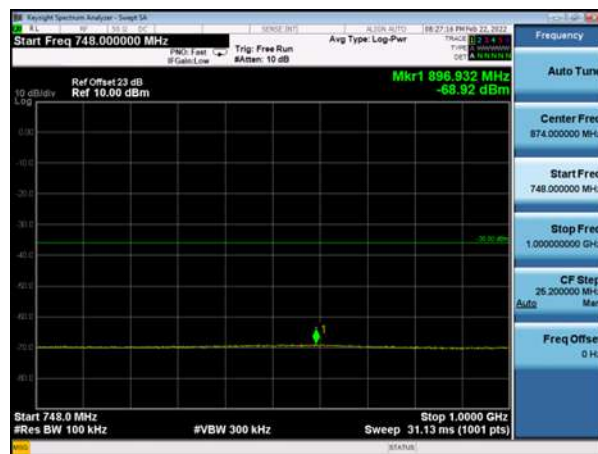
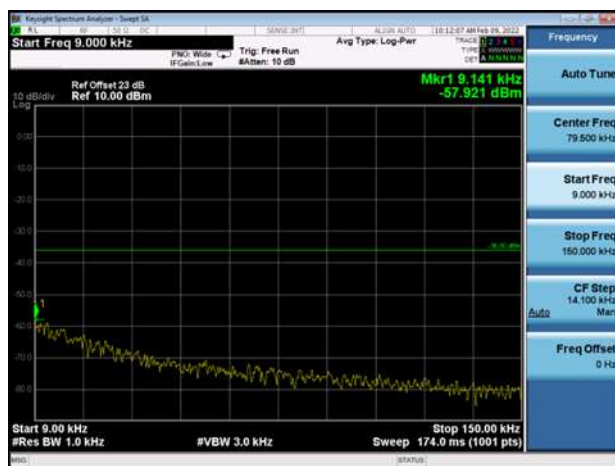


Band28 BW:5MHz Channel:27635, QPSK, 25RB@0



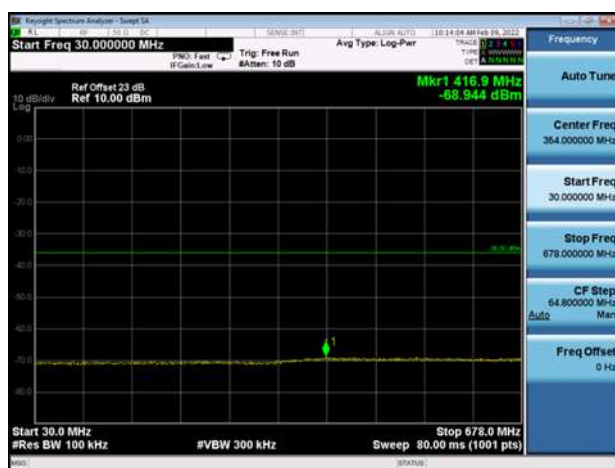
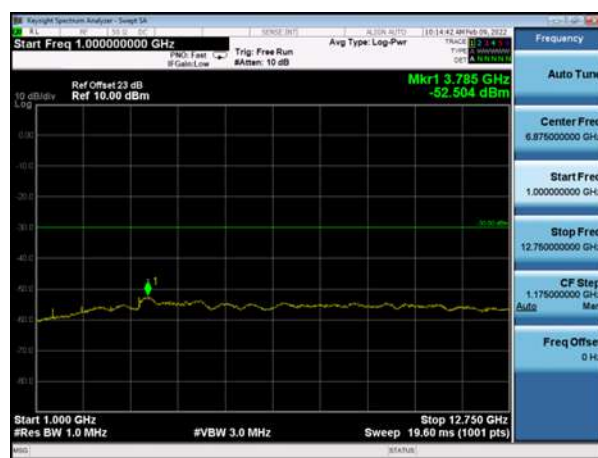
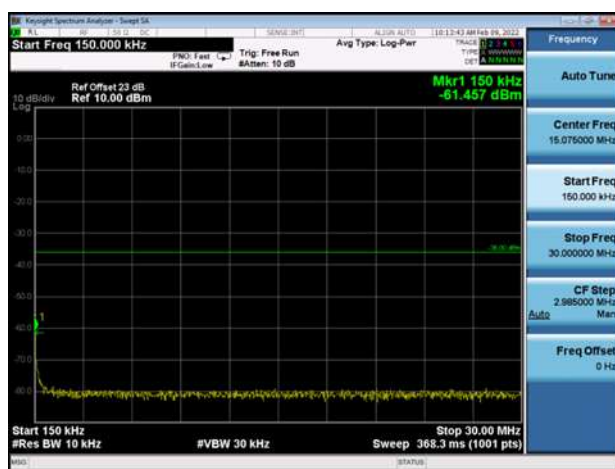
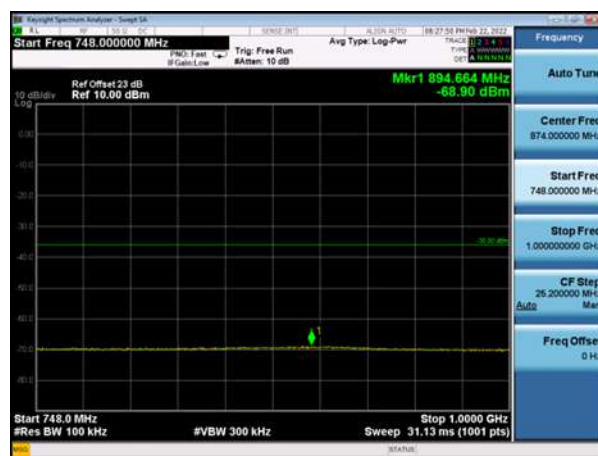
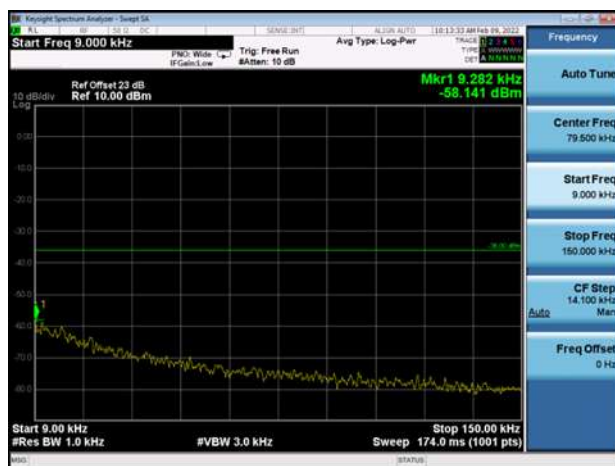


Band28 BW:20MHz Channel:27310, QPSK, 1RB@0



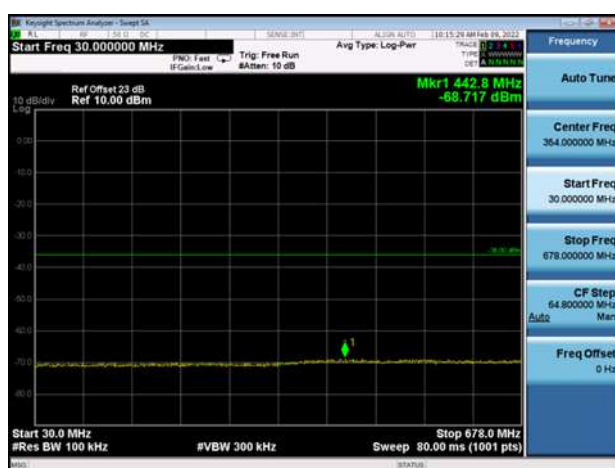
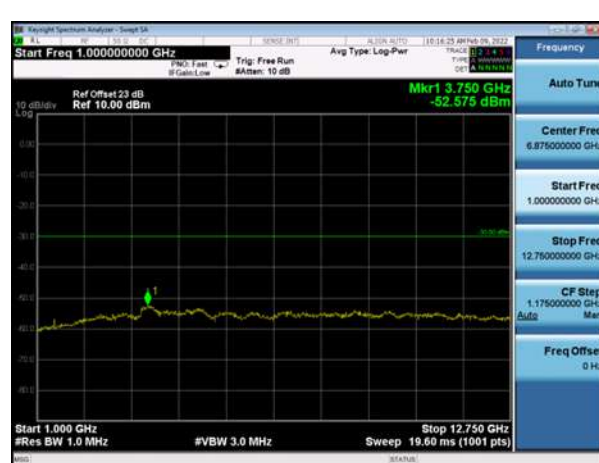
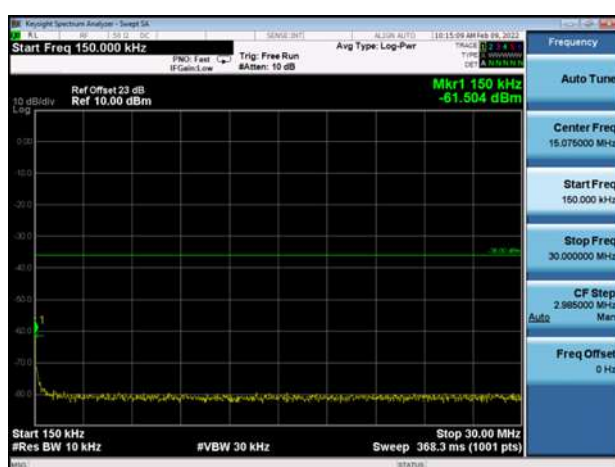
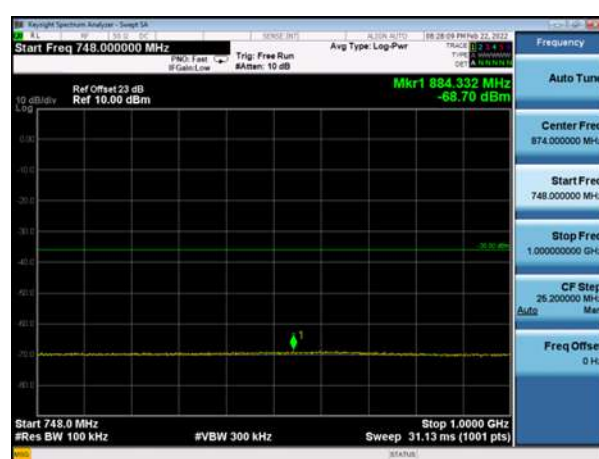
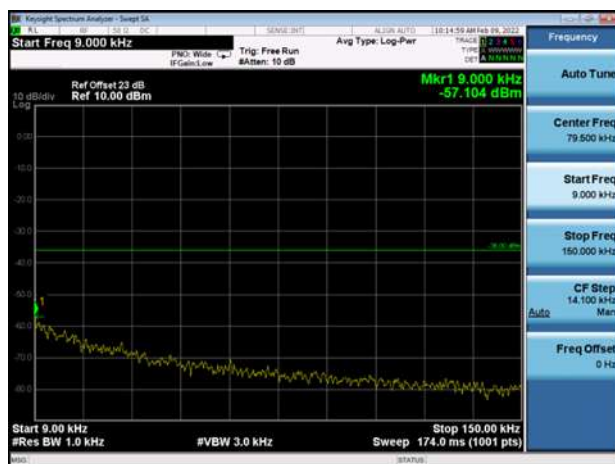


Band28 BW:20MHz Channel:27310, QPSK, 1RB@49



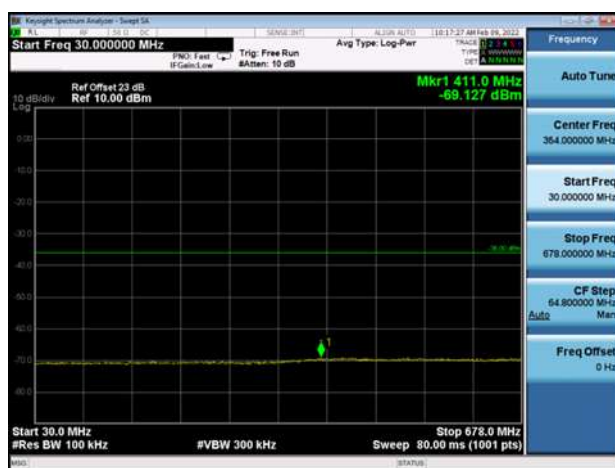
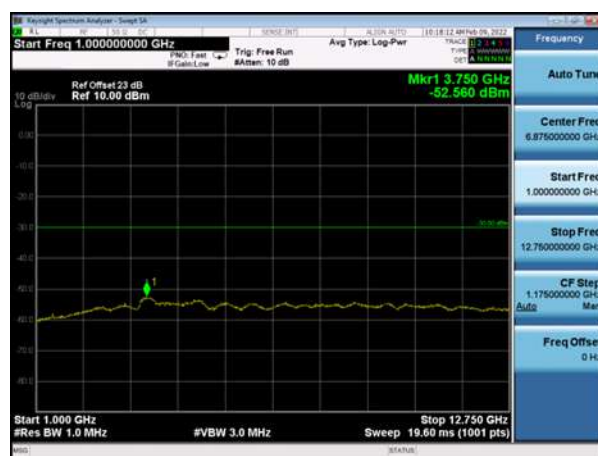
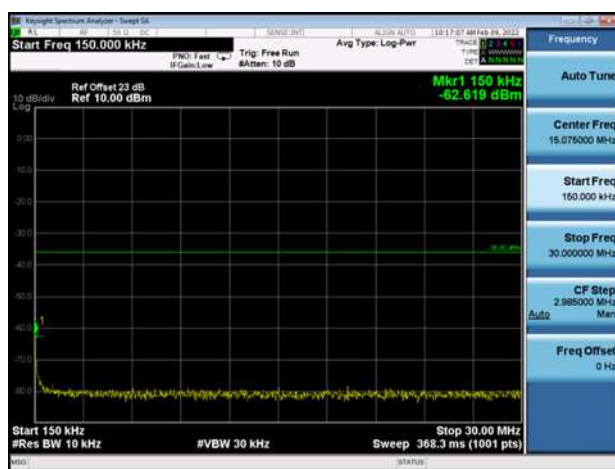
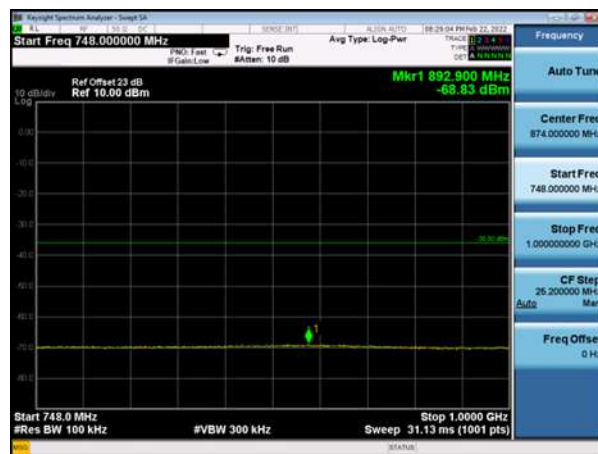
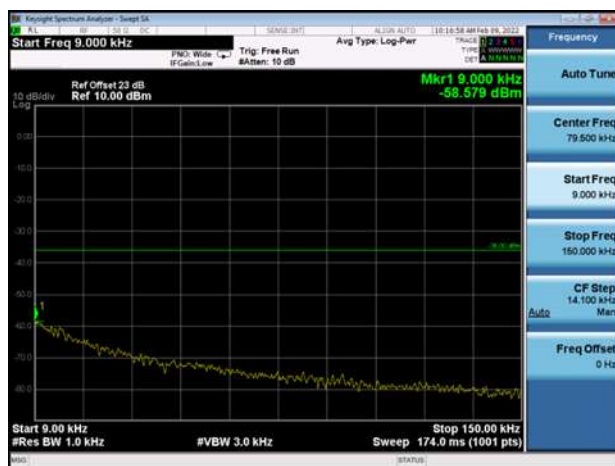


Band28 BW:20MHz Channel:27310, QPSK, 1RB@99



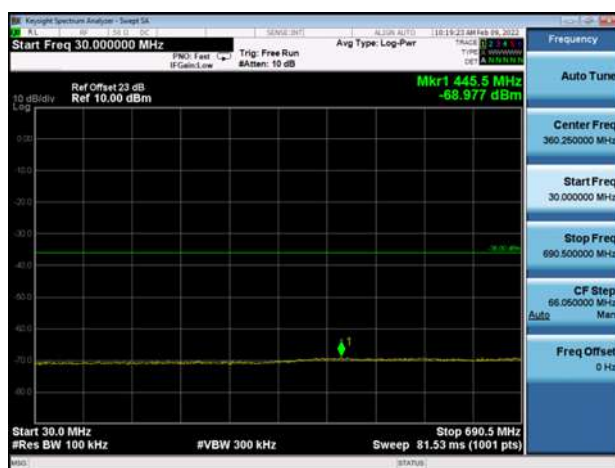
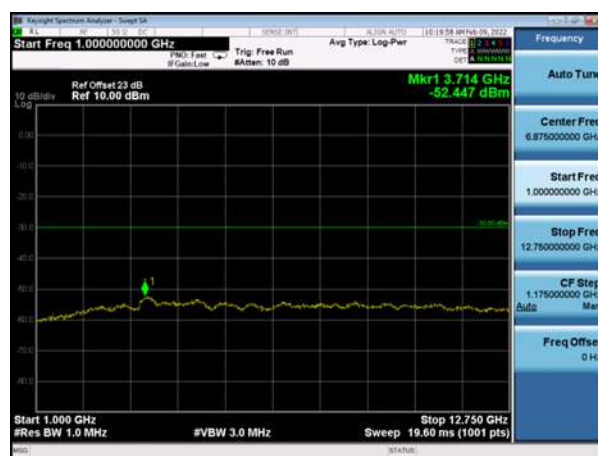
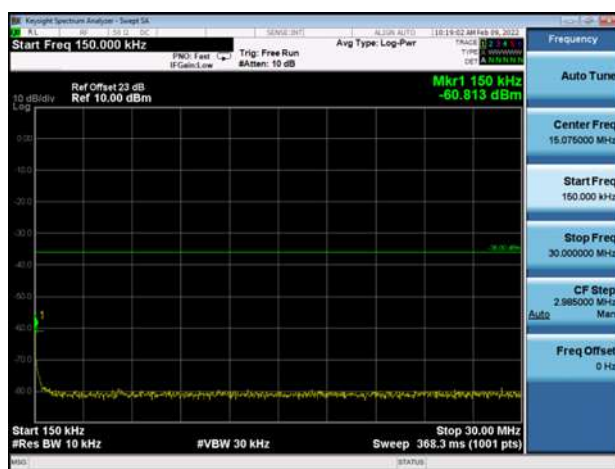
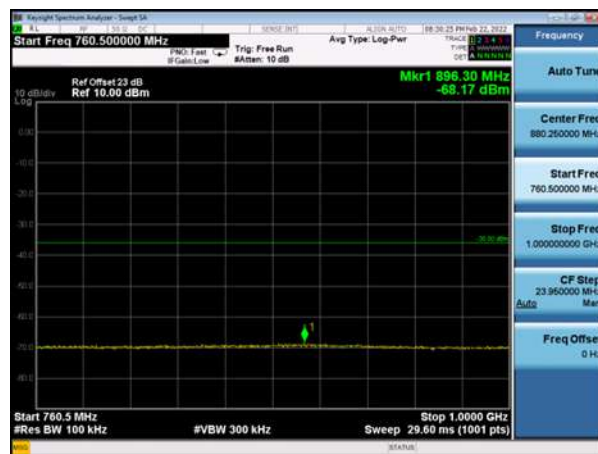
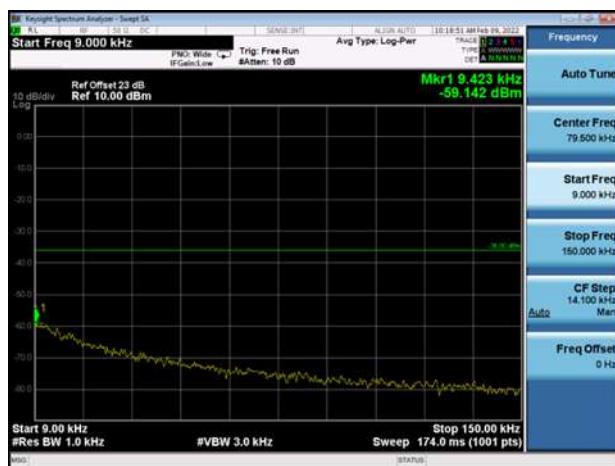


Band28 BW:20MHz Channel:27310, QPSK, 100RB@0



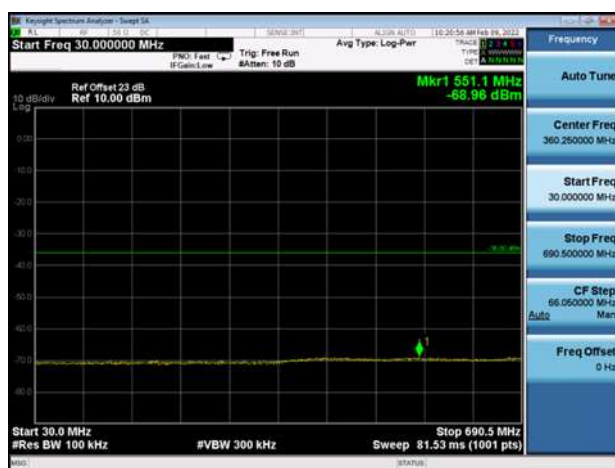
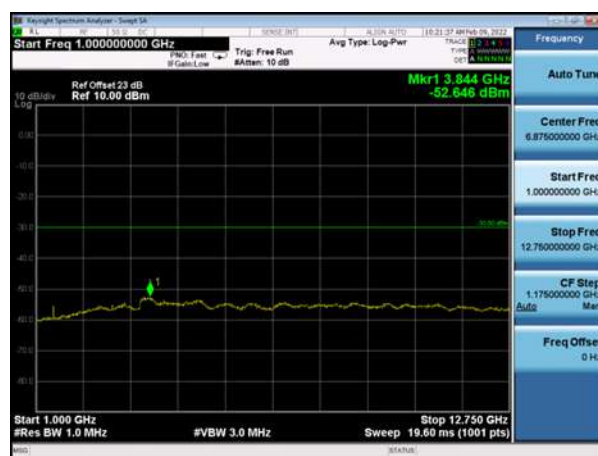
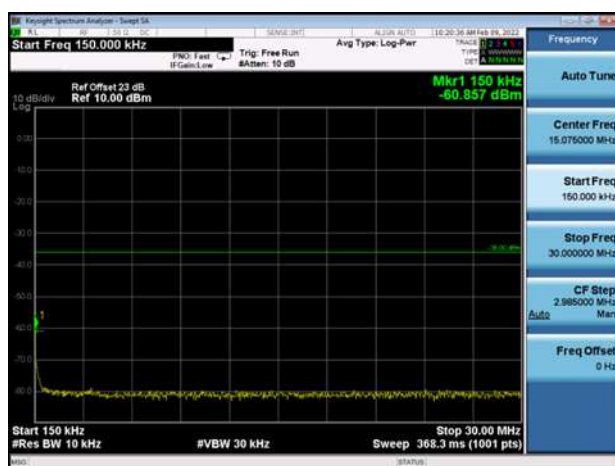
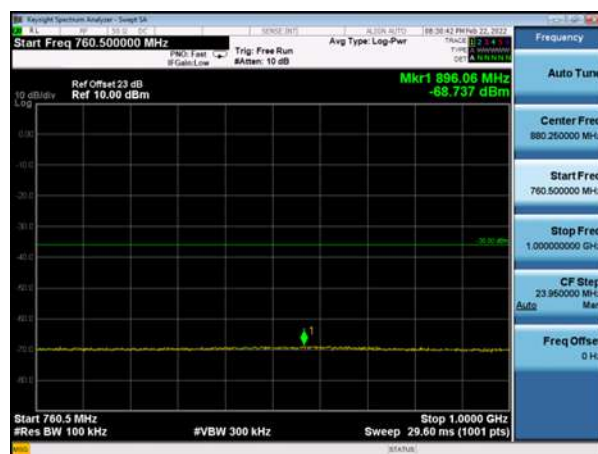
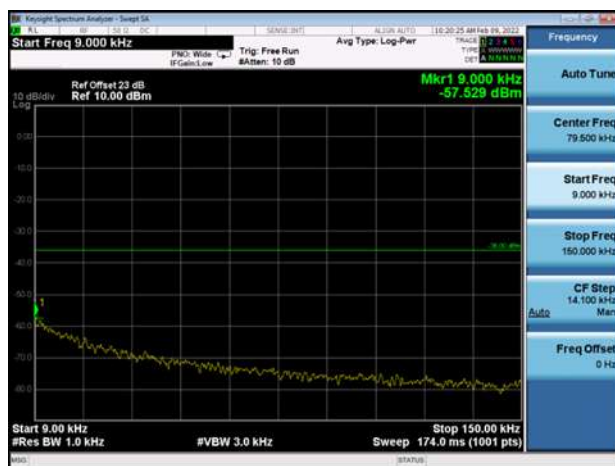


Band28 BW:20MHz Channel:27435, QPSK, 1RB@0



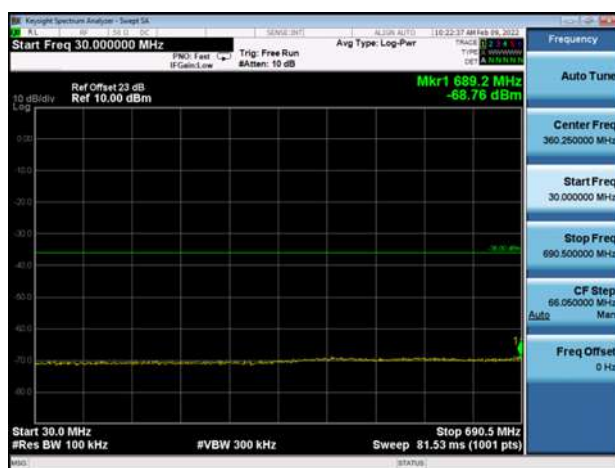
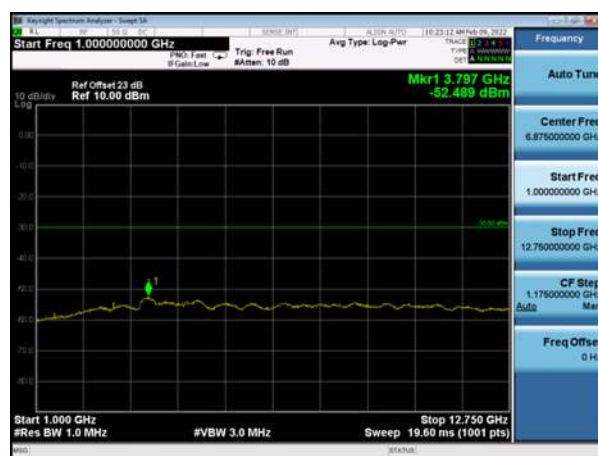
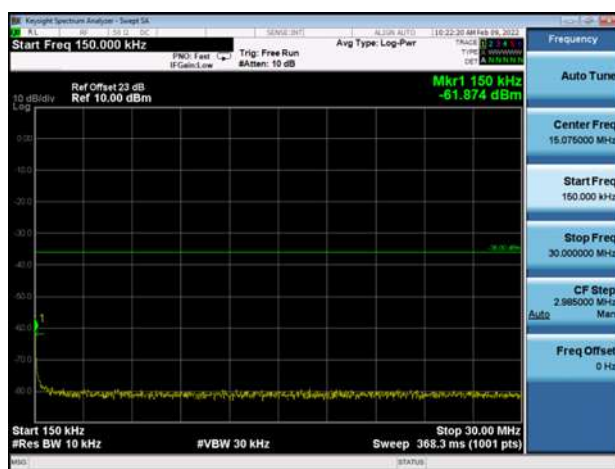
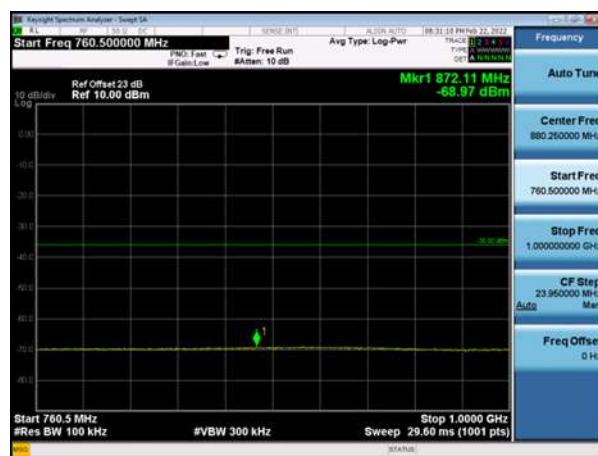
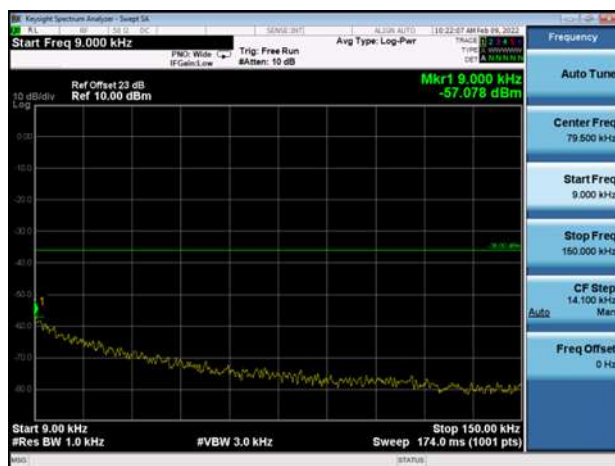


Band28 BW:20MHz Channel:27435, QPSK, 1RB@49



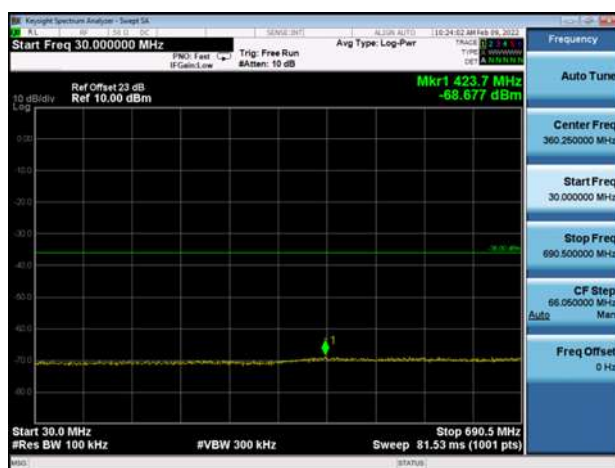
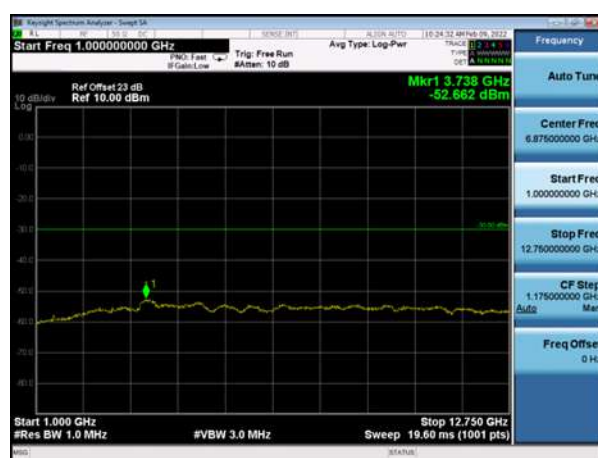
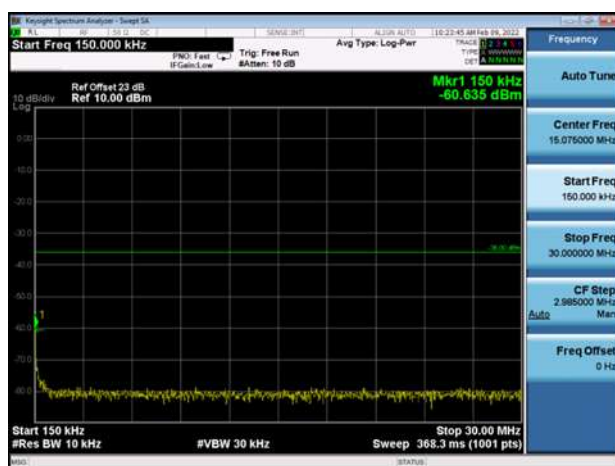
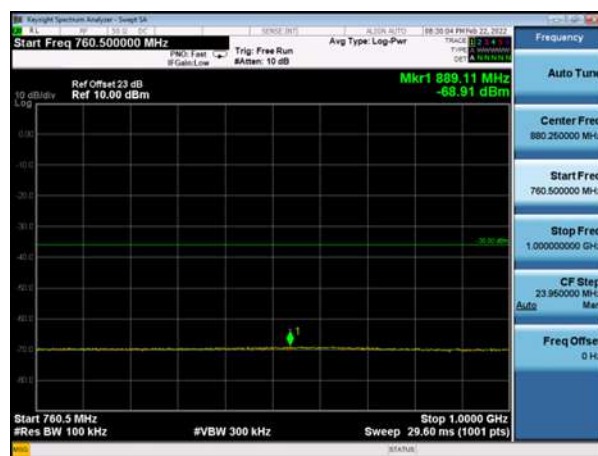
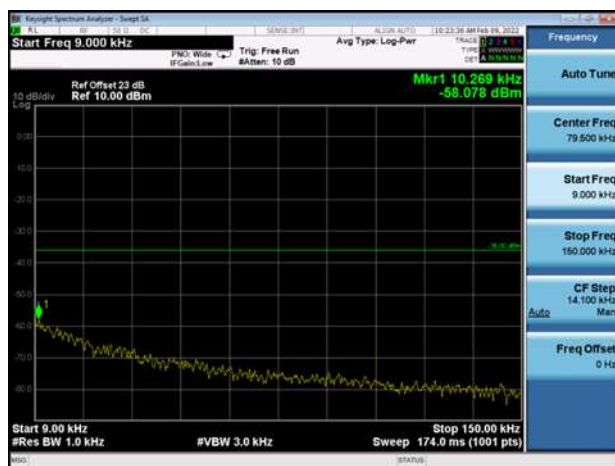


Band28 BW:20MHz Channel1:27435, QPSK, 1RB@99



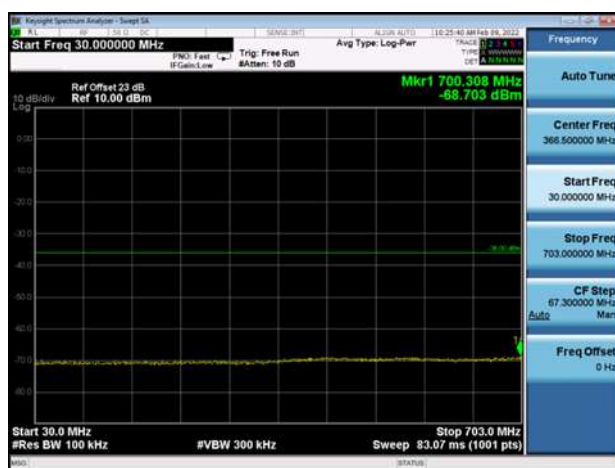
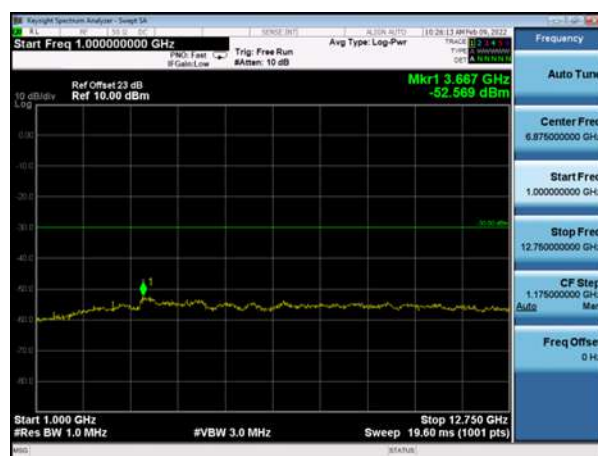
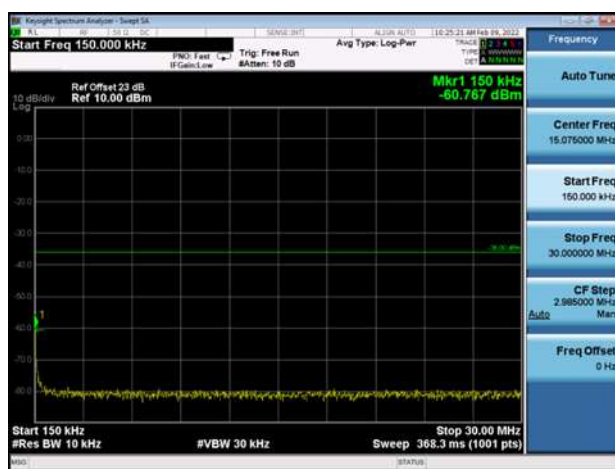
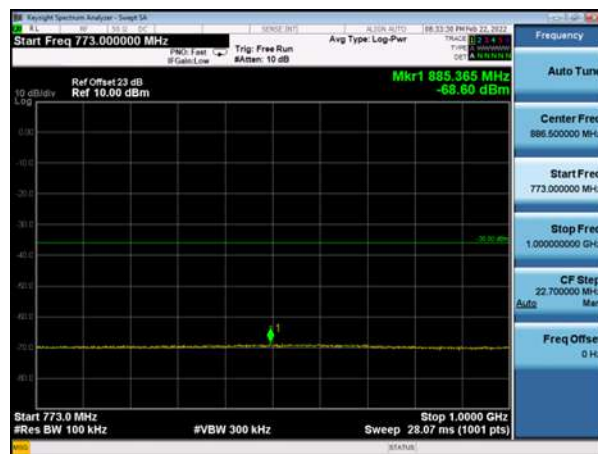
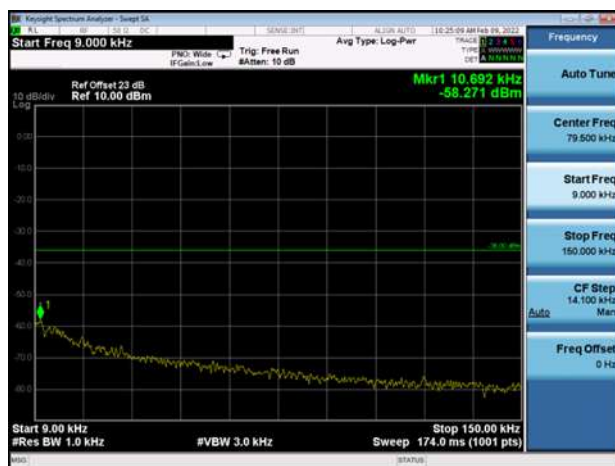


Band28 BW:20MHz Channel:27435, QPSK, 100RB@0



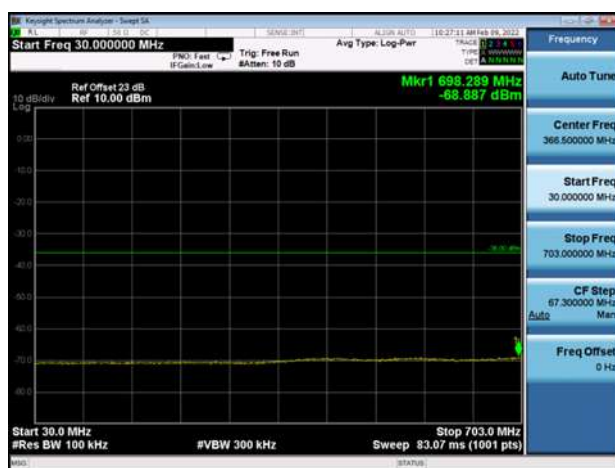
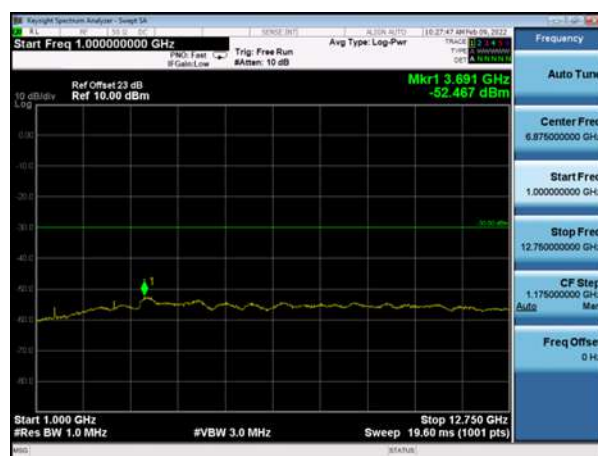
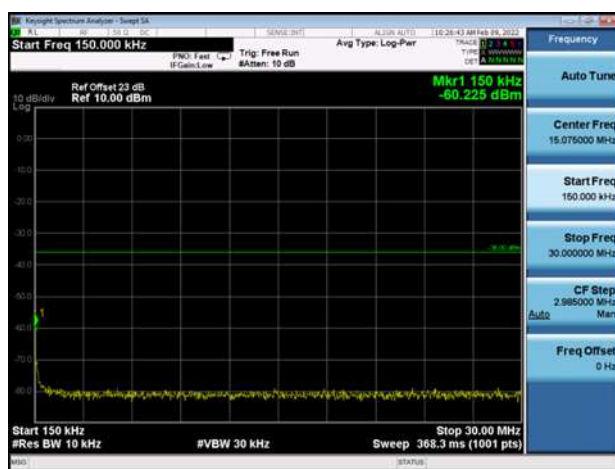
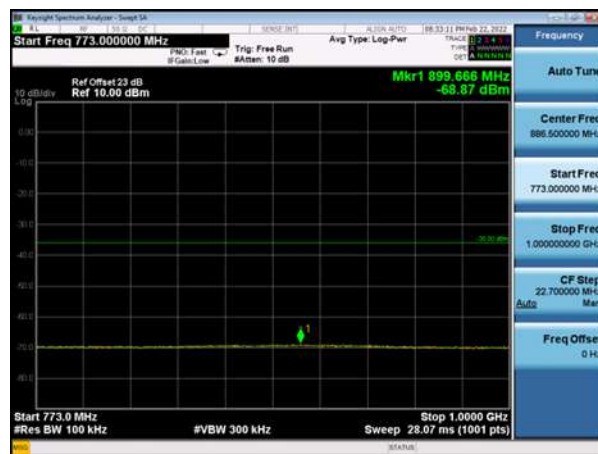
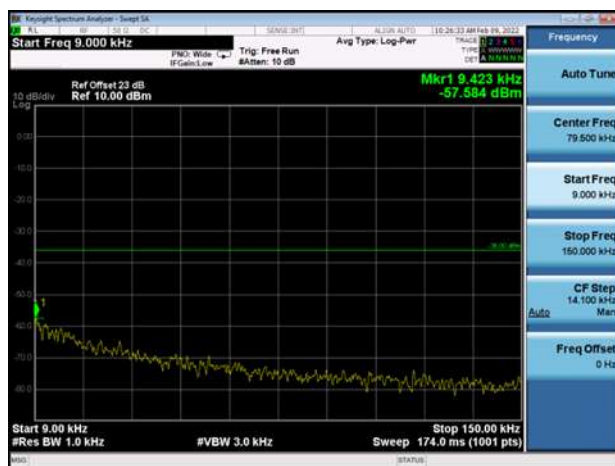


Band28 BW:20MHz Channel:27560, QPSK, 1RB@0



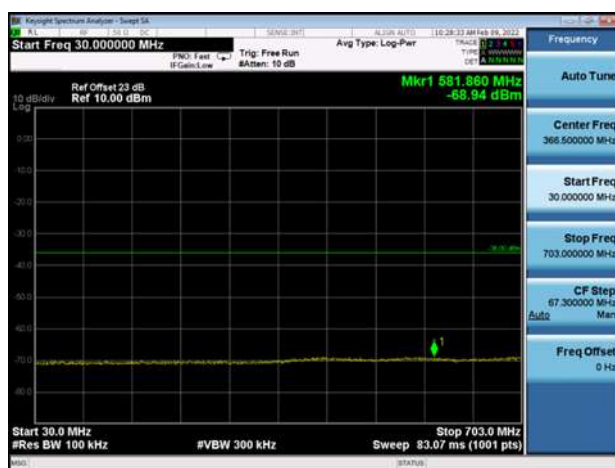
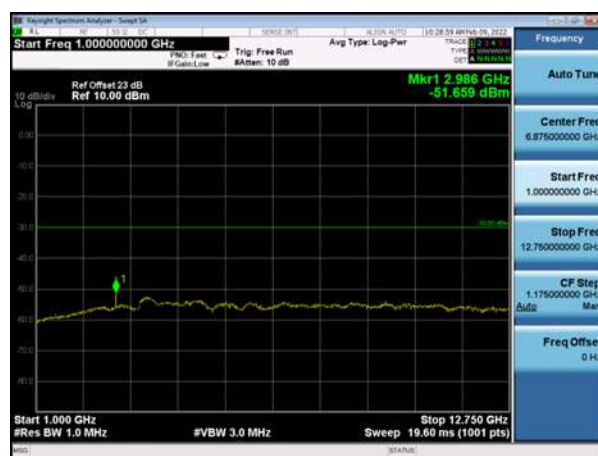
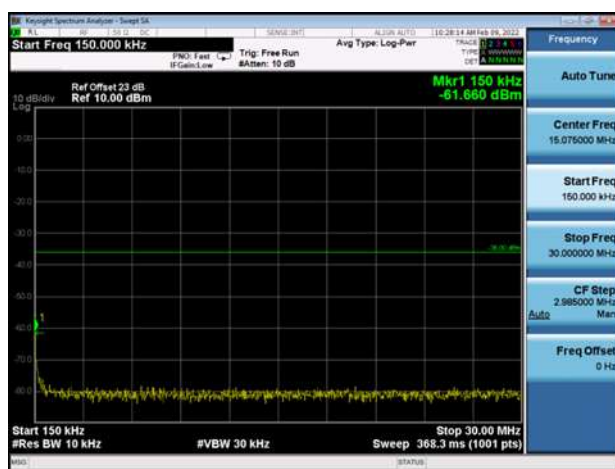
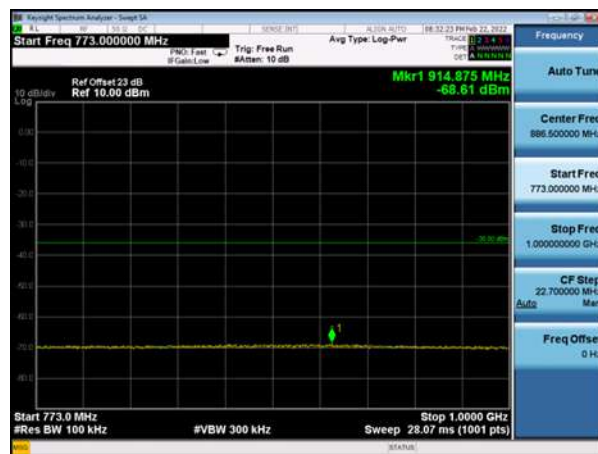
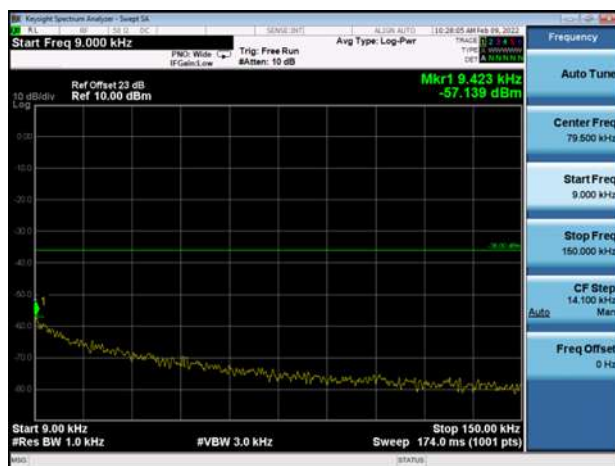


Band28 BW:20MHz Channel:27560, QPSK, 1RB@49



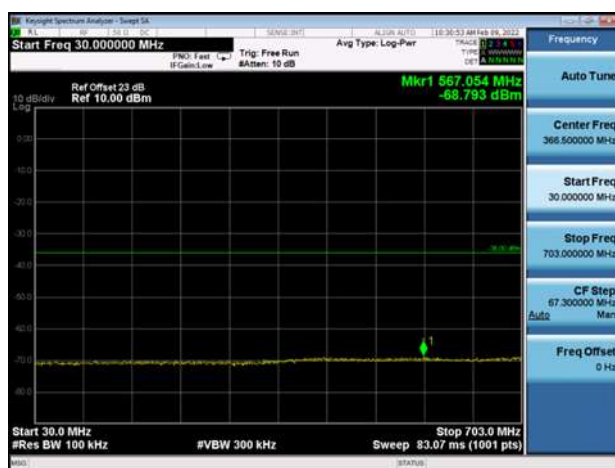
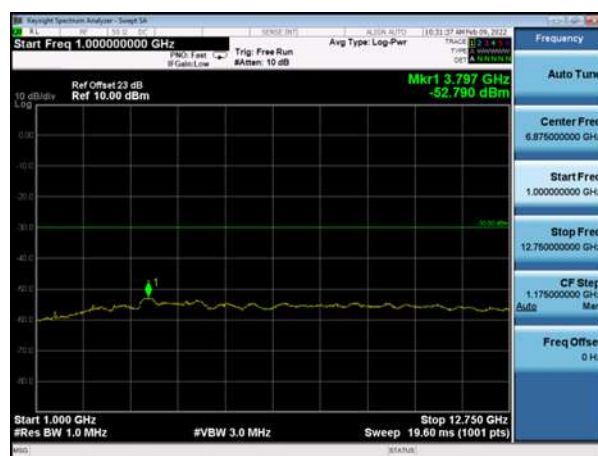
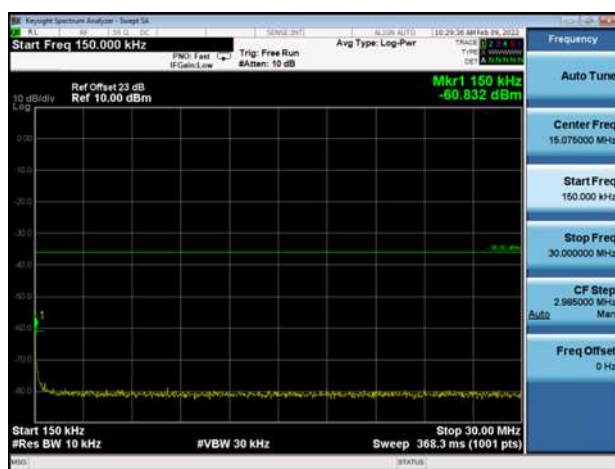
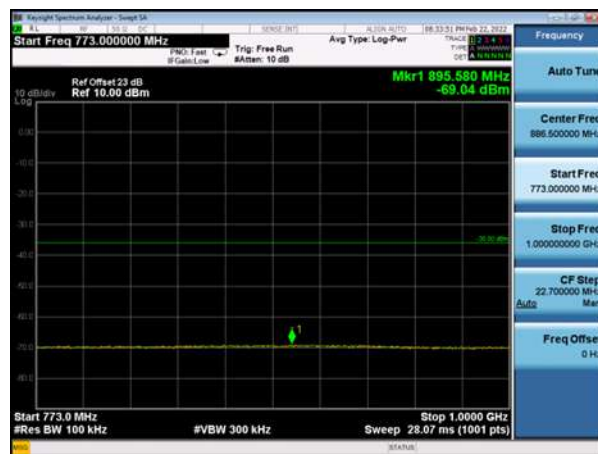
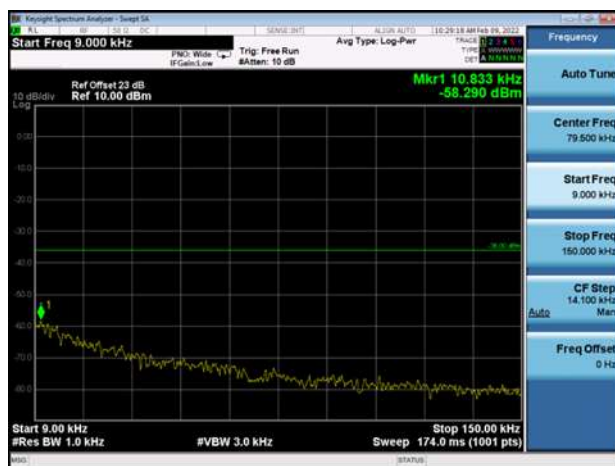


Band28 BW:20MHz Channel1:27560, QPSK, 1RB@99





Band28 BW:20MHz Channel1:27560, QPSK, 100RB@0





8. 相鄰頻道洩漏功率比之量測規定

8.1. 適用標準

相鄰頻道洩漏功率比之限制值為 29.2 dB，但設備屬 HPUE 者限制值為 30.2 dB。

8.2. 測試方法

1. 測量檢測頻道與其相鄰通道之平均功率，計算相鄰頻道洩漏功率比。量測時頻道之量測頻寬依下表規定。

相鄰頻道洩漏功率比規範值

	頻道頻寬					
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
相鄰頻道偏移	±1.4MHz	±3MHz	±5MHz	±10MHz	±15MHz	±20MHz
頻道量測頻寬	1.08MHz	2.7MHz	4.5MHz	9.0MHz	13.5MHz	18MHz
相鄰頻道洩漏功率限制值	29.2dB					

2. 檢測頻道採低、中、高三個頻道，並分別對最低、5MHz、10MHz 及最高之工作頻寬，依下表檢測。
相鄰頻道洩漏功率比之頻道頻寬測試參數

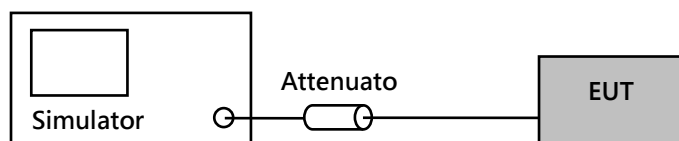
頻道頻寬	下行結構	上行結構		
		調變方式	資源區塊分配	
			FDD	TDD
1.4MHz	相鄰頻道洩漏功率比測試不適用	QPSK	6	6
1.4MHz		QPSK	5	5
1.4MHz		16QAM	6	6
1.4MHz		16QAM	5	5
3MHz		QPSK	15	15
3MHz		QPSK	4	4
3MHz		16QAM	15	15
3MHz		16QAM	4	4
5MHz		QPSK	25	25
5MHz		QPSK	8	8
5MHz		16QAM	25	25
5MHz		16QAM	8	8
10MHz		QPSK	50	50
10MHz		QPSK	12	12
10MHz		16QAM	50(註一)	50(註一)
10MHz		16QAM	12	12
15MHz		QPSK	75	75
15MHz		QPSK	16	16
15MHz		16QAM	75(註一)	75(註一)
15MHz		16QAM	16	16
20MHz		QPSK	100	100
20MHz		QPSK	18	18
20MHz		16QAM	100(註一)	100(註一)
20MHz		16QAM	18	18

註:

- 一、僅適用於用戶設備類別(UE-Categories) 為 2~5。
- 二、RB offset 設定值及應檢項目之測試方法，依 3GPP TS 36.521 技術標準規定。



8.3.測試配置





8.4. 量測結果及數據

LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B1	5 MHz	18025	QPSK	8/0	-5MHz	-44.24	-29.2	PASS
				8/0	5MHz	-49.93	-29.2	PASS
				8/17	-5MHz	-56.90	-29.2	PASS
				8/17	5MHz	-45.26	-29.2	PASS
				25/0	-5MHz	-46.02	-29.2	PASS
				25/0	5MHz	-45.61	-29.2	PASS
			16QAM	8/0	-5MHz	-44.19	-29.2	PASS
				8/0	5MHz	-50.04	-29.2	PASS
				8/17	-5MHz	-49.43	-29.2	PASS
				8/17	5MHz	-44.19	-29.2	PASS
				25/0	-5MHz	-44.30	-29.2	PASS
				25/0	5MHz	-44.43	-29.2	PASS
		18300	QPSK	8/0	-5MHz	-44.37	-29.2	PASS
				8/0	5MHz	-50.60	-29.2	PASS
				8/17	-5MHz	-50.98	-29.2	PASS
				8/17	5MHz	-42.86	-29.2	PASS
				25/0	-5MHz	-45.68	-29.2	PASS
				25/0	5MHz	-43.22	-29.2	PASS
			16QAM	8/0	-5MHz	-44.12	-29.2	PASS
				8/0	5MHz	-50.73	-29.2	PASS
				8/17	-5MHz	-51.77	-29.2	PASS
				8/17	5MHz	-43.06	-29.2	PASS
				25/0	-5MHz	-45.13	-29.2	PASS
				25/0	5MHz	-43.33	-29.2	PASS
		18575	QPSK	8/0	-5MHz	-45.64	-29.2	PASS
				8/0	5MHz	-49.00	-29.2	PASS
				8/17	-5MHz	-54.26	-29.2	PASS
				8/17	5MHz	-49.15	-29.2	PASS
				25/0	-5MHz	-45.26	-29.2	PASS
				25/0	5MHz	-50.10	-29.2	PASS
			16QAM	8/0	-5MHz	-46.10	-29.2	PASS
				8/0	5MHz	-49.68	-29.2	PASS
				8/17	-5MHz	-55.16	-29.2	PASS
				8/17	5MHz	-48.45	-29.2	PASS
				25/0	-5MHz	-45.94	-29.2	PASS
				25/0	5MHz	-49.75	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B1	10 MHz	18050	QPSK	12/0	-10MHz	-45.93	-29.2	PASS
				12/0	10MHz	-62.00	-29.2	PASS
				12/38	-10MHz	-59.24	-29.2	PASS
				12/38	10MHz	-47.47	-29.2	PASS
				50/0	-10MHz	-47.86	-29.2	PASS
				50/0	10MHz	-45.83	-29.2	PASS
			16QAM	12/0	-10MHz	-45.41	-29.2	PASS
				12/0	10MHz	-62.97	-29.2	PASS
				12/38	-10MHz	-59.78	-29.2	PASS
				12/38	10MHz	-46.85	-29.2	PASS
				50/0	-10MHz	-46.51	-29.2	PASS
				50/0	10MHz	-45.04	-29.2	PASS
		18300	QPSK	12/0	-10MHz	-45.95	-29.2	PASS
				12/0	10MHz	-49.48	-29.2	PASS
				12/38	-10MHz	-50.43	-29.2	PASS
				12/38	10MHz	-44.29	-29.2	PASS
				50/0	-10MHz	-47.84	-29.2	PASS
				50/0	10MHz	-42.83	-29.2	PASS
			16QAM	12/0	-10MHz	-46.16	-29.2	PASS
				12/0	10MHz	-49.71	-29.2	PASS
				12/38	-10MHz	-51.16	-29.2	PASS
				12/38	10MHz	-45.19	-29.2	PASS
				50/0	-10MHz	-47.89	-29.2	PASS
				50/0	10MHz	-43.49	-29.2	PASS
		18550	QPSK	12/0	-10MHz	-46.21	-29.2	PASS
				12/0	10MHz	-53.01	-29.2	PASS
				12/38	-10MHz	-51.93	-29.2	PASS
				12/38	10MHz	-50.28	-29.2	PASS
				50/0	-10MHz	-44.72	-29.2	PASS
				50/0	10MHz	-50.24	-29.2	PASS
			16QAM	12/0	-10MHz	-46.97	-29.2	PASS
				12/0	10MHz	-54.45	-29.2	PASS
				12/38	-10MHz	-52.22	-29.2	PASS
				12/38	10MHz	-49.92	-29.2	PASS
				50/0	-10MHz	-45.14	-29.2	PASS
				50/0	10MHz	-49.11	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B1	20 MHz	18100	QPSK	18/0	-20MHz	-47.60	-29.2	PASS
				18/0	20MHz	-61.47	-29.2	PASS
				18/82	-20MHz	-61.59	-29.2	PASS
				18/82	20MHz	-50.13	-29.2	PASS
				100/0	-20MHz	-45.63	-29.2	PASS
				100/0	20MHz	-42.84	-29.2	PASS
			16QAM	18/0	-20MHz	-48.04	-29.2	PASS
				18/0	20MHz	-60.65	-29.2	PASS
				18/82	-20MHz	-60.58	-29.2	PASS
				18/82	20MHz	-49.72	-29.2	PASS
				100/0	-20MHz	-46.24	-29.2	PASS
				100/0	20MHz	-42.87	-29.2	PASS
		18300	QPSK	18/0	-20MHz	-49.10	-29.2	PASS
				18/0	20MHz	-60.92	-29.2	PASS
				18/82	-20MHz	-61.79	-29.2	PASS
				18/82	20MHz	-47.26	-29.2	PASS
				100/0	-20MHz	-46.63	-29.2	PASS
				100/0	20MHz	-42.45	-29.2	PASS
			16QAM	18/0	-20MHz	-49.21	-29.2	PASS
				18/0	20MHz	-60.42	-29.2	PASS
				18/82	-20MHz	-60.99	-29.2	PASS
				18/82	20MHz	-48.18	-29.2	PASS
				100/0	-20MHz	-47.64	-29.2	PASS
				100/0	20MHz	-42.91	-29.2	PASS
		18500	QPSK	18/0	-20MHz	-46.70	-29.2	PASS
				18/0	20MHz	-61.63	-29.2	PASS
				18/82	-20MHz	-50.70	-29.2	PASS
				18/82	20MHz	-51.94	-29.2	PASS
				100/0	-20MHz	-43.70	-29.2	PASS
				100/0	20MHz	-48.17	-29.2	PASS
			16QAM	18/0	-20MHz	-48.01	-29.2	PASS
				18/0	20MHz	-60.69	-29.2	PASS
				18/82	-20MHz	-51.61	-29.2	PASS
				18/82	20MHz	-52.38	-29.2	PASS
				100/0	-20MHz	-45.07	-29.2	PASS
				100/0	20MHz	-47.95	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B3	1.4 MHz	19207	QPSK	5/0	-1.4MHz	-43.94	-29.2	PASS
				5/0	1.4MHz	-46.50	-29.2	PASS
				5/1	-1.4MHz	-46.80	-29.2	PASS
				5/1	1.4MHz	-44.13	-29.2	PASS
				6/0	-1.4MHz	-43.01	-29.2	PASS
				6/0	1.4MHz	-43.50	-29.2	PASS
			16QAM	5/0	-1.4MHz	-42.66	-29.2	PASS
				5/0	1.4MHz	-45.70	-29.2	PASS
				5/1	-1.4MHz	-45.86	-29.2	PASS
				5/1	1.4MHz	-43.27	-29.2	PASS
				6/0	-1.4MHz	-41.70	-29.2	PASS
				6/0	1.4MHz	-41.94	-29.2	PASS
		19575	QPSK	5/0	-1.4MHz	-45.89	-29.2	PASS
				5/0	1.4MHz	-48.14	-29.2	PASS
				5/1	-1.4MHz	-48.07	-29.2	PASS
				5/1	1.4MHz	-45.88	-29.2	PASS
				6/0	-1.4MHz	-45.70	-29.2	PASS
				6/0	1.4MHz	-46.03	-29.2	PASS
			16QAM	5/0	-1.4MHz	-44.65	-29.2	PASS
				5/0	1.4MHz	-48.57	-29.2	PASS
				5/1	-1.4MHz	-47.93	-29.2	PASS
				5/1	1.4MHz	-45.16	-29.2	PASS
				6/0	-1.4MHz	-44.38	-29.2	PASS
				6/0	1.4MHz	-44.81	-29.2	PASS
		19943	QPSK	5/0	-1.4MHz	-40.67	-29.2	PASS
				5/0	1.4MHz	-42.62	-29.2	PASS
				5/1	-1.4MHz	-41.57	-29.2	PASS
				5/1	1.4MHz	-39.59	-29.2	PASS
				6/0	-1.4MHz	-44.58	-29.2	PASS
				6/0	1.4MHz	-44.56	-29.2	PASS
			16QAM	5/0	-1.4MHz	-41.15	-29.2	PASS
				5/0	1.4MHz	-44.23	-29.2	PASS
				5/1	-1.4MHz	-44.08	-29.2	PASS
				5/1	1.4MHz	-42.51	-29.2	PASS
				6/0	-1.4MHz	-45.40	-29.2	PASS
				6/0	1.4MHz	-45.76	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B3	5 MHz	19225	QPSK	8/0	-5MHz	-43.43	-29.2	PASS
				8/0	5MHz	-55.70	-29.2	PASS
				8/17	-5MHz	-54.07	-29.2	PASS
				8/17	5MHz	-44.06	-29.2	PASS
				25/0	-5MHz	-42.31	-29.2	PASS
				25/0	5MHz	-42.55	-29.2	PASS
			16QAM	8/0	-5MHz	-42.95	-29.2	PASS
				8/0	5MHz	-55.20	-29.2	PASS
				8/17	-5MHz	-54.29	-29.2	PASS
				8/17	5MHz	-43.79	-29.2	PASS
				25/0	-5MHz	-41.17	-29.2	PASS
				25/0	5MHz	-41.19	-29.2	PASS
		19575	QPSK	8/0	-5MHz	-44.40	-29.2	PASS
				8/0	5MHz	-53.66	-29.2	PASS
				8/17	-5MHz	-53.83	-29.2	PASS
				8/17	5MHz	-46.05	-29.2	PASS
				25/0	-5MHz	-43.36	-29.2	PASS
				25/0	5MHz	-44.82	-29.2	PASS
			16QAM	8/0	-5MHz	-44.71	-29.2	PASS
				8/0	5MHz	-54.77	-29.2	PASS
				8/17	-5MHz	-54.10	-29.2	PASS
				8/17	5MHz	-45.68	-29.2	PASS
				25/0	-5MHz	-43.32	-29.2	PASS
				25/0	5MHz	-44.08	-29.2	PASS
		19925	QPSK	8/0	-5MHz	-45.52	-29.2	PASS
				8/0	5MHz	-54.44	-29.2	PASS
				8/17	-5MHz	-56.52	-29.2	PASS
				8/17	5MHz	-40.45	-29.2	PASS
				25/0	-5MHz	-44.94	-29.2	PASS
				25/0	5MHz	-45.68	-29.2	PASS
			16QAM	8/0	-5MHz	-45.45	-29.2	PASS
				8/0	5MHz	-55.08	-29.2	PASS
				8/17	-5MHz	-57.09	-29.2	PASS
				8/17	5MHz	-42.82	-29.2	PASS
				25/0	-5MHz	-44.91	-29.2	PASS
				25/0	5MHz	-46.15	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B3	10 MHz	19250	QPSK	12/0	-10MHz	-45.18	-29.2	PASS
				12/0	10MHz	-57.83	-29.2	PASS
				12/38	-10MHz	-56.65	-29.2	PASS
				12/38	10MHz	-46.37	-29.2	PASS
				50/0	-10MHz	-42.60	-29.2	PASS
				50/0	10MHz	-41.96	-29.2	PASS
			16QAM	12/0	-10MHz	-45.30	-29.2	PASS
				12/0	10MHz	-59.27	-29.2	PASS
				12/38	-10MHz	-58.69	-29.2	PASS
				12/38	10MHz	-45.53	-29.2	PASS
				50/0	-10MHz	-42.09	-29.2	PASS
				50/0	10MHz	-41.27	-29.2	PASS
		19575	QPSK	12/0	-10MHz	-45.68	-29.2	PASS
				12/0	10MHz	-56.07	-29.2	PASS
				12/38	-10MHz	-55.69	-29.2	PASS
				12/38	10MHz	-48.16	-29.2	PASS
				50/0	-10MHz	-43.78	-29.2	PASS
				50/0	10MHz	-44.99	-29.2	PASS
			16QAM	12/0	-10MHz	-45.80	-29.2	PASS
				12/0	10MHz	-57.40	-29.2	PASS
				12/38	-10MHz	-57.37	-29.2	PASS
				12/38	10MHz	-47.91	-29.2	PASS
				50/0	-10MHz	-43.08	-29.2	PASS
				50/0	10MHz	-44.22	-29.2	PASS
		19900	QPSK	12/0	-10MHz	-45.21	-29.2	PASS
				12/0	10MHz	-58.04	-29.2	PASS
				12/38	-10MHz	-58.71	-29.2	PASS
				12/38	10MHz	-42.72	-29.2	PASS
				50/0	-10MHz	-42.51	-29.2	PASS
				50/0	10MHz	-47.41	-29.2	PASS
			16QAM	12/0	-10MHz	-46.45	-29.2	PASS
				12/0	10MHz	-59.11	-29.2	PASS
				12/38	-10MHz	-60.46	-29.2	PASS
				12/38	10MHz	-45.40	-29.2	PASS
				50/0	-10MHz	-42.58	-29.2	PASS
				50/0	10MHz	-46.64	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B3	20 MHz	19300	QPSK	18/0	-20MHz	-47.85	-29.2	PASS
				18/0	20MHz	-58.57	-29.2	PASS
				18/82	-20MHz	-59.29	-29.2	PASS
				18/82	20MHz	-49.35	-29.2	PASS
				100/0	-20MHz	-46.35	-29.2	PASS
				100/0	20MHz	-44.37	-29.2	PASS
			16QAM	18/0	-20MHz	-48.05	-29.2	PASS
				18/0	20MHz	-59.58	-29.2	PASS
				18/82	-20MHz	-59.94	-29.2	PASS
				18/82	20MHz	-49.32	-29.2	PASS
				100/0	-20MHz	-45.03	-29.2	PASS
				100/0	20MHz	-43.78	-29.2	PASS
		19575	QPSK	18/0	-20MHz	-48.35	-29.2	PASS
				18/0	20MHz	-58.55	-29.2	PASS
				18/82	-20MHz	-59.92	-29.2	PASS
				18/82	20MHz	-50.80	-29.2	PASS
				100/0	-20MHz	-43.86	-29.2	PASS
				100/0	20MHz	-45.24	-29.2	PASS
			16QAM	18/0	-20MHz	-48.74	-29.2	PASS
				18/0	20MHz	-57.46	-29.2	PASS
				18/82	-20MHz	-60.08	-29.2	PASS
				18/82	20MHz	-49.84	-29.2	PASS
				100/0	-20MHz	-44.61	-29.2	PASS
				100/0	20MHz	-45.18	-29.2	PASS
		19850	QPSK	18/0	-20MHz	-47.85	-29.2	PASS
				18/0	20MHz	-61.62	-29.2	PASS
				18/82	-20MHz	-61.13	-29.2	PASS
				18/82	20MHz	-46.28	-29.2	PASS
				100/0	-20MHz	-41.65	-29.2	PASS
				100/0	20MHz	-47.46	-29.2	PASS
			16QAM	18/0	-20MHz	-48.25	-29.2	PASS
				18/0	20MHz	-60.62	-29.2	PASS
				18/82	-20MHz	-61.00	-29.2	PASS
				18/82	20MHz	-46.68	-29.2	PASS
				100/0	-20MHz	-42.51	-29.2	PASS
				100/0	20MHz	-47.26	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B7	5 MHz	20775	QPSK	8/0	-5MHz	-43.10	-29.2	PASS
				8/0	5MHz	-50.79	-29.2	PASS
				8/17	-5MHz	-56.23	-29.2	PASS
				8/17	5MHz	-45.27	-29.2	PASS
				25/0	-5MHz	-43.31	-29.2	PASS
				25/0	5MHz	-46.05	-29.2	PASS
			16QAM	8/0	-5MHz	-44.33	-29.2	PASS
				8/0	5MHz	-50.89	-29.2	PASS
				8/17	-5MHz	-53.76	-29.2	PASS
				8/17	5MHz	-46.55	-29.2	PASS
				25/0	-5MHz	-44.53	-29.2	PASS
				25/0	5MHz	-46.72	-29.2	PASS
		21100	QPSK	8/0	-5MHz	-42.86	-29.2	PASS
				8/0	5MHz	-47.92	-29.2	PASS
				8/17	-5MHz	-54.60	-29.2	PASS
				8/17	5MHz	-45.48	-29.2	PASS
				25/0	-5MHz	-41.66	-29.2	PASS
				25/0	5MHz	-43.75	-29.2	PASS
			16QAM	8/0	-5MHz	-43.27	-29.2	PASS
				8/0	5MHz	-48.71	-29.2	PASS
				8/17	-5MHz	-54.99	-29.2	PASS
				8/17	5MHz	-45.66	-29.2	PASS
				25/0	-5MHz	-42.30	-29.2	PASS
				25/0	5MHz	-43.98	-29.2	PASS
		21425	QPSK	8/0	-5MHz	-41.92	-29.2	PASS
				8/0	5MHz	-50.37	-29.2	PASS
				8/17	-5MHz	-55.30	-29.2	PASS
				8/17	5MHz	-43.41	-29.2	PASS
				25/0	-5MHz	-39.54	-29.2	PASS
				25/0	5MHz	-44.05	-29.2	PASS
			16QAM	8/0	-5MHz	-42.22	-29.2	PASS
				8/0	5MHz	-50.52	-29.2	PASS
				8/17	-5MHz	-54.68	-29.2	PASS
				8/17	5MHz	-44.90	-29.2	PASS
				25/0	-5MHz	-40.68	-29.2	PASS
				25/0	5MHz	-44.80	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B7	10 MHz	20800	QPSK	12/0	-10MHz	-45.08	-29.2	PASS
				12/0	10MHz	-56.29	-29.2	PASS
				12/38	-10MHz	-53.68	-29.2	PASS
				12/38	10MHz	-45.74	-29.2	PASS
				50/0	-10MHz	-43.25	-29.2	PASS
				50/0	10MHz	-45.88	-29.2	PASS
			16QAM	12/0	-10MHz	-45.88	-29.2	PASS
				12/0	10MHz	-57.07	-29.2	PASS
				12/38	-10MHz	-54.23	-29.2	PASS
				12/38	10MHz	-47.02	-29.2	PASS
				50/0	-10MHz	-44.15	-29.2	PASS
				50/0	10MHz	-46.34	-29.2	PASS
		21100	QPSK	12/0	-10MHz	-42.86	-29.2	PASS
				12/0	10MHz	-55.22	-29.2	PASS
				12/38	-10MHz	-51.48	-29.2	PASS
				12/38	10MHz	-46.79	-29.2	PASS
				50/0	-10MHz	-41.70	-29.2	PASS
				50/0	10MHz	-44.70	-29.2	PASS
			16QAM	12/0	-10MHz	-44.56	-29.2	PASS
				12/0	10MHz	-55.98	-29.2	PASS
				12/38	-10MHz	-52.95	-29.2	PASS
				12/38	10MHz	-47.95	-29.2	PASS
				50/0	-10MHz	-42.31	-29.2	PASS
				50/0	10MHz	-44.88	-29.2	PASS
		21400	QPSK	12/0	-10MHz	-41.54	-29.2	PASS
				12/0	10MHz	-55.33	-29.2	PASS
				12/38	-10MHz	-51.85	-29.2	PASS
				12/38	10MHz	-44.88	-29.2	PASS
				50/0	-10MHz	-39.85	-29.2	PASS
				50/0	10MHz	-45.17	-29.2	PASS
			16QAM	12/0	-10MHz	-43.24	-29.2	PASS
				12/0	10MHz	-56.21	-29.2	PASS
				12/38	-10MHz	-53.63	-29.2	PASS
				12/38	10MHz	-46.30	-29.2	PASS
				50/0	-10MHz	-39.80	-29.2	PASS
				50/0	10MHz	-44.44	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B7	20 MHz	20850	QPSK	18/0	-20MHz	-47.72	-29.2	PASS
				18/0	20MHz	-54.34	-29.2	PASS
				18/82	-20MHz	-56.65	-29.2	PASS
				18/82	20MHz	-44.50	-29.2	PASS
				100/0	-20MHz	-39.75	-29.2	PASS
				100/0	20MHz	-45.81	-29.2	PASS
			16QAM	18/0	-20MHz	-48.82	-29.2	PASS
				18/0	20MHz	-53.70	-29.2	PASS
				18/82	-20MHz	-56.81	-29.2	PASS
				18/82	20MHz	-45.68	-29.2	PASS
				100/0	-20MHz	-40.91	-29.2	PASS
				100/0	20MHz	-46.52	-29.2	PASS
		21100	QPSK	18/0	-20MHz	-43.72	-29.2	PASS
				18/0	20MHz	-52.05	-29.2	PASS
				18/82	-20MHz	-56.07	-29.2	PASS
				18/82	20MHz	-49.51	-29.2	PASS
				100/0	-20MHz	-39.30	-29.2	PASS
				100/0	20MHz	-48.15	-29.2	PASS
			16QAM	18/0	-20MHz	-44.18	-29.2	PASS
				18/0	20MHz	-54.49	-29.2	PASS
				18/82	-20MHz	-56.66	-29.2	PASS
				18/82	20MHz	-49.99	-29.2	PASS
				100/0	-20MHz	-40.07	-29.2	PASS
				100/0	20MHz	-48.46	-29.2	PASS
		21350	QPSK	18/0	-20MHz	-42.43	-29.2	PASS
				18/0	20MHz	-55.54	-29.2	PASS
				18/82	-20MHz	-53.48	-29.2	PASS
				18/82	20MHz	-47.98	-29.2	PASS
				100/0	-20MHz	-36.19	-29.2	PASS
				100/0	20MHz	-45.73	-29.2	PASS
			16QAM	18/0	-20MHz	-43.18	-29.2	PASS
				18/0	20MHz	-55.63	-29.2	PASS
				18/82	-20MHz	-54.03	-29.2	PASS
				18/82	20MHz	-48.98	-29.2	PASS
				100/0	-20MHz	-36.46	-29.2	PASS
				100/0	20MHz	-45.28	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B8	1.4 MHz	21507	QPSK	5/0	-1.4MHz	-40.72	-29.2	PASS
				5/0	1.4MHz	-44.34	-29.2	PASS
				5/1	-1.4MHz	-42.87	-29.2	PASS
				5/1	1.4MHz	-42.49	-29.2	PASS
				6/0	-1.4MHz	-40.50	-29.2	PASS
				6/0	1.4MHz	-41.69	-29.2	PASS
			16QAM	5/0	-1.4MHz	-40.55	-29.2	PASS
				5/0	1.4MHz	-44.64	-29.2	PASS
				5/1	-1.4MHz	-42.93	-29.2	PASS
				5/1	1.4MHz	-41.85	-29.2	PASS
				6/0	-1.4MHz	-39.80	-29.2	PASS
				6/0	1.4MHz	-41.10	-29.2	PASS
		21650	QPSK	5/0	-1.4MHz	-41.82	-29.2	PASS
				5/0	1.4MHz	-43.83	-29.2	PASS
				5/1	-1.4MHz	-43.97	-29.2	PASS
				5/1	1.4MHz	-42.26	-29.2	PASS
				6/0	-1.4MHz	-41.51	-29.2	PASS
				6/0	1.4MHz	-41.55	-29.2	PASS
			16QAM	5/0	-1.4MHz	-41.10	-29.2	PASS
				5/0	1.4MHz	-44.20	-29.2	PASS
				5/1	-1.4MHz	-44.19	-29.2	PASS
				5/1	1.4MHz	-41.52	-29.2	PASS
				6/0	-1.4MHz	-40.99	-29.2	PASS
				6/0	1.4MHz	-41.06	-29.2	PASS
		21793	QPSK	5/0	-1.4MHz	-42.19	-29.2	PASS
				5/0	1.4MHz	-45.65	-29.2	PASS
				5/1	-1.4MHz	-43.89	-29.2	PASS
				5/1	1.4MHz	-44.24	-29.2	PASS
				6/0	-1.4MHz	-41.84	-29.2	PASS
				6/0	1.4MHz	-43.34	-29.2	PASS
			16QAM	5/0	-1.4MHz	-41.62	-29.2	PASS
				5/0	1.4MHz	-45.38	-29.2	PASS
				5/1	-1.4MHz	-43.87	-29.2	PASS
				5/1	1.4MHz	-43.63	-29.2	PASS
				6/0	-1.4MHz	-40.82	-29.2	PASS
				6/0	1.4MHz	-42.85	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B8	5 MHz	21525	QPSK	8/0	-5MHz	-40.24	-29.2	PASS
				8/0	5MHz	-58.26	-29.2	PASS
				8/17	-5MHz	-56.00	-29.2	PASS
				8/17	5MHz	-42.08	-29.2	PASS
				25/0	-5MHz	-37.78	-29.2	PASS
				25/0	5MHz	-40.96	-29.2	PASS
			16QAM	8/0	-5MHz	-40.15	-29.2	PASS
				8/0	5MHz	-58.97	-29.2	PASS
				8/17	-5MHz	-56.54	-29.2	PASS
				8/17	5MHz	-41.16	-29.2	PASS
				25/0	-5MHz	-37.39	-29.2	PASS
				25/0	5MHz	-39.92	-29.2	PASS
		21650	QPSK	8/0	-5MHz	-41.89	-29.2	PASS
				8/0	5MHz	-57.65	-29.2	PASS
				8/17	-5MHz	-58.22	-29.2	PASS
				8/17	5MHz	-42.41	-29.2	PASS
				25/0	-5MHz	-39.77	-29.2	PASS
				25/0	5MHz	-41.46	-29.2	PASS
			16QAM	8/0	-5MHz	-41.27	-29.2	PASS
				8/0	5MHz	-57.99	-29.2	PASS
				8/17	-5MHz	-58.53	-29.2	PASS
				8/17	5MHz	-41.99	-29.2	PASS
				25/0	-5MHz	-38.97	-29.2	PASS
				25/0	5MHz	-40.21	-29.2	PASS
		21775	QPSK	8/0	-5MHz	-42.79	-29.2	PASS
				8/0	5MHz	-59.93	-29.2	PASS
				8/17	-5MHz	-57.25	-29.2	PASS
				8/17	5MHz	-44.35	-29.2	PASS
				25/0	-5MHz	-40.08	-29.2	PASS
				25/0	5MHz	-43.21	-29.2	PASS
			16QAM	8/0	-5MHz	-42.47	-29.2	PASS
				8/0	5MHz	-59.84	-29.2	PASS
				8/17	-5MHz	-58.45	-29.2	PASS
				8/17	5MHz	-44.01	-29.2	PASS
				25/0	-5MHz	-39.58	-29.2	PASS
				25/0	5MHz	-42.30	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B8	10 MHz	21550	QPSK	12/0	-10MHz	-41.39	-29.2	PASS
				12/0	10MHz	-68.20	-29.2	PASS
				12/38	-10MHz	-64.27	-29.2	PASS
				12/38	10MHz	-42.98	-29.2	PASS
				50/0	-10MHz	-37.58	-29.2	PASS
				50/0	10MHz	-39.71	-29.2	PASS
			16QAM	12/0	-10MHz	-41.97	-29.2	PASS
				12/0	10MHz	-67.69	-29.2	PASS
				12/38	-10MHz	-67.08	-29.2	PASS
				12/38	10MHz	-42.35	-29.2	PASS
				50/0	-10MHz	-37.39	-29.2	PASS
				50/0	10MHz	-38.69	-29.2	PASS
		21650	QPSK	12/0	-10MHz	-43.40	-29.2	PASS
				12/0	10MHz	-67.91	-29.2	PASS
				12/38	-10MHz	-66.82	-29.2	PASS
				12/38	10MHz	-44.39	-29.2	PASS
				50/0	-10MHz	-40.53	-29.2	PASS
				50/0	10MHz	-41.68	-29.2	PASS
			16QAM	12/0	-10MHz	-43.42	-29.2	PASS
				12/0	10MHz	-67.37	-29.2	PASS
				12/38	-10MHz	-67.40	-29.2	PASS
				12/38	10MHz	-44.00	-29.2	PASS
				50/0	-10MHz	-40.10	-29.2	PASS
				50/0	10MHz	-40.90	-29.2	PASS
		21750	QPSK	12/0	-10MHz	-42.61	-29.2	PASS
				12/0	10MHz	-68.42	-29.2	PASS
				12/38	-10MHz	-68.13	-29.2	PASS
				12/38	10MHz	-46.00	-29.2	PASS
				50/0	-10MHz	-39.73	-29.2	PASS
				50/0	10MHz	-45.16	-29.2	PASS
			16QAM	12/0	-10MHz	-42.32	-29.2	PASS
				12/0	10MHz	-67.66	-29.2	PASS
				12/38	-10MHz	-67.38	-29.2	PASS
				12/38	10MHz	-45.71	-29.2	PASS
				50/0	-10MHz	-39.67	-29.2	PASS
				50/0	10MHz	-43.73	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B28	3 MHz	27225	QPSK	4/0	-3MHz	-47.84	-29.2	PASS
				4/0	3MHz	-56	-29.2	PASS
				4/11	-3MHz	-57.68	-29.2	PASS
				4/11	3MHz	-47.71	-29.2	PASS
				15/0	-3MHz	-45.79	-29.2	PASS
				15/0	3MHz	-45.75	-29.2	PASS
			16QAM	4/0	-3MHz	-49.14	-29.2	PASS
				4/0	3MHz	-55.35	-29.2	PASS
				4/11	-3MHz	-57.87	-29.2	PASS
				4/11	3MHz	-47.94	-29.2	PASS
				15/0	-3MHz	-46.19	-29.2	PASS
				15/0	3MHz	-46.65	-29.2	PASS
		27435	QPSK	4/0	-3MHz	-47.27	-29.2	PASS
				4/0	3MHz	-54.59	-29.2	PASS
				4/11	-3MHz	-54.63	-29.2	PASS
				4/11	3MHz	-48.4	-29.2	PASS
				15/0	-3MHz	-42.76	-29.2	PASS
				15/0	3MHz	-47.15	-29.2	PASS
			16QAM	4/0	-3MHz	-47.92	-29.2	PASS
				4/0	3MHz	-58.45	-29.2	PASS
				4/11	-3MHz	-55.85	-29.2	PASS
				4/11	3MHz	-49.1	-29.2	PASS
				15/0	-3MHz	-42.75	-29.2	PASS
				15/0	3MHz	-47.28	-29.2	PASS
		27645	QPSK	4/0	-3MHz	-45.94	-29.2	PASS
				4/0	3MHz	-56.71	-29.2	PASS
				4/11	-3MHz	-55.99	-29.2	PASS
				4/11	3MHz	-45.75	-29.2	PASS
				15/0	-3MHz	-41.61	-29.2	PASS
				15/0	3MHz	-44.73	-29.2	PASS
			16QAM	4/0	-3MHz	-45.25	-29.2	PASS
				4/0	3MHz	-57.16	-29.2	PASS
				4/11	-3MHz	-56.77	-29.2	PASS
				4/11	3MHz	-46.59	-29.2	PASS
				15/0	-3MHz	-42.03	-29.2	PASS
				15/0	3MHz	-44.81	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B28	5 MHz	27235	QPSK	8/0	-5MHz	-47.52	-29.2	PASS
				8/0	5MHz	-56.09	-29.2	PASS
				8/17	-5MHz	-58.15	-29.2	PASS
				8/17	5MHz	-48.13	-29.2	PASS
				25/0	-5MHz	-46.18	-29.2	PASS
				25/0	5MHz	-46.45	-29.2	PASS
			16QAM	8/0	-5MHz	-47.86	-29.2	PASS
				8/0	5MHz	-56.32	-29.2	PASS
				8/17	-5MHz	-58.71	-29.2	PASS
				8/17	5MHz	-48.44	-29.2	PASS
				25/0	-5MHz	-46.48	-29.2	PASS
				25/0	5MHz	-46.64	-29.2	PASS
		27435	QPSK	8/0	-5MHz	-45.67	-29.2	PASS
				8/0	5MHz	-57.51	-29.2	PASS
				8/17	-5MHz	-54.74	-29.2	PASS
				8/17	5MHz	-48.09	-29.2	PASS
				25/0	-5MHz	-41.45	-29.2	PASS
				25/0	5MHz	-46.54	-29.2	PASS
			16QAM	8/0	-5MHz	-45.26	-29.2	PASS
				8/0	5MHz	-58.63	-29.2	PASS
				8/17	-5MHz	-55.66	-29.2	PASS
				8/17	5MHz	-48.11	-29.2	PASS
				25/0	-5MHz	-41.8	-29.2	PASS
				25/0	5MHz	-47.16	-29.2	PASS
		27635	QPSK	8/0	-5MHz	-44.02	-29.2	PASS
				8/0	5MHz	-56.74	-29.2	PASS
				8/17	-5MHz	-56.52	-29.2	PASS
				8/17	5MHz	-45.23	-29.2	PASS
				25/0	-5MHz	-40.96	-29.2	PASS
				25/0	5MHz	-44.99	-29.2	PASS
			16QAM	8/0	-5MHz	-44.23	-29.2	PASS
				8/0	5MHz	-57.98	-29.2	PASS
				8/17	-5MHz	-57.1	-29.2	PASS
				8/17	5MHz	-45.68	-29.2	PASS
				25/0	-5MHz	-41.41	-29.2	PASS
				25/0	5MHz	-45.1	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B28	10 MHz	27260	QPSK	12/0	-5MHz	-49.92	-29.2	PASS
				12/0	5MHz	-67.04	-29.2	PASS
				12/38	-5MHz	-68.46	-29.2	PASS
				12/38	5MHz	-50.05	-29.2	PASS
				50/0	-5MHz	-47.23	-29.2	PASS
				50/0	5MHz	-46.77	-29.2	PASS
			16QAM	12/0	-5MHz	-50.32	-29.2	PASS
				12/0	5MHz	-67.43	-29.2	PASS
				12/38	-5MHz	-67.62	-29.2	PASS
				12/38	5MHz	-50.72	-29.2	PASS
				50/0	-5MHz	-47.69	-29.2	PASS
				50/0	5MHz	-47.35	-29.2	PASS
		27435	QPSK	12/0	-5MHz	-48.46	-29.2	PASS
				12/0	5MHz	-68.44	-29.2	PASS
				12/38	-5MHz	-63.35	-29.2	PASS
				12/38	5MHz	-47.92	-29.2	PASS
				50/0	-5MHz	-41.87	-29.2	PASS
				50/0	5MHz	-44.94	-29.2	PASS
			16QAM	12/0	-5MHz	-48.8	-29.2	PASS
				12/0	5MHz	-67.92	-29.2	PASS
				12/38	-5MHz	-66.34	-29.2	PASS
				12/38	5MHz	-48.25	-29.2	PASS
				50/0	-5MHz	-42.69	-29.2	PASS
				50/0	5MHz	-46.17	-29.2	PASS
		27610	QPSK	12/0	-5MHz	-47.71	-29.2	PASS
				12/0	5MHz	-68.64	-29.2	PASS
				12/38	-5MHz	-65.93	-29.2	PASS
				12/38	5MHz	-47.55	-29.2	PASS
				50/0	-5MHz	-43.64	-29.2	PASS
				50/0	5MHz	-46.18	-29.2	PASS
			16QAM	12/0	-5MHz	-48.14	-29.2	PASS
				12/0	5MHz	-68.14	-29.2	PASS
				12/38	-5MHz	-67.44	-29.2	PASS
				12/38	5MHz	-47.84	-29.2	PASS
				50/0	-5MHz	-43.87	-29.2	PASS
				50/0	5MHz	-46.56	-29.2	PASS



LTE Band	Band	Channel	Modulation	RB/ RB Offset	UE channel Offset	Result (dB)	Limit (dB)	Pass/ Fail
B28	20 MHz	27310	QPSK	18/0	-20MHz	-52.86	-29.2	PASS
				18/0	20MHz	-66.15	-29.2	PASS
				18/82	-20MHz	-66.31	-29.2	PASS
				18/82	20MHz	-49.97	-29.2	PASS
				100/0	-20MHz	-47.38	-29.2	PASS
				100/0	20MHz	-42.93	-29.2	PASS
			16QAM	18/0	-20MHz	-53.91	-29.2	PASS
				18/0	20MHz	-65.49	-29.2	PASS
				18/82	-20MHz	-65.42	-29.2	PASS
				18/82	20MHz	-49.4	-29.2	PASS
				100/0	-20MHz	-49.19	-29.2	PASS
				100/0	20MHz	-44.54	-29.2	PASS
		27435	QPSK	18/0	-20MHz	-49.46	-29.2	PASS
				18/0	20MHz	-66.27	-29.2	PASS
				18/82	-20MHz	-66.05	-29.2	PASS
				18/82	20MHz	-50.59	-29.2	PASS
				100/0	-20MHz	-44.47	-29.2	PASS
				100/0	20MHz	-50.47	-29.2	PASS
			16QAM	18/0	-20MHz	-50.28	-29.2	PASS
				18/0	20MHz	-65.34	-29.2	PASS
				18/82	-20MHz	-65.29	-29.2	PASS
				18/82	20MHz	-51.43	-29.2	PASS
				100/0	-20MHz	-44.32	-29.2	PASS
				100/0	20MHz	-49.64	-29.2	PASS
		27560	QPSK	18/0	-20MHz	-47.59	-29.2	PASS
				18/0	20MHz	-66.24	-29.2	PASS
				18/82	-20MHz	-66.11	-29.2	PASS
				18/82	20MHz	-50.32	-29.2	PASS
				100/0	-20MHz	-42.04	-29.2	PASS
				100/0	20MHz	-46.08	-29.2	PASS
			16QAM	18/0	-20MHz	-48.18	-29.2	PASS
				18/0	20MHz	-65.41	-29.2	PASS
				18/82	-20MHz	-65.35	-29.2	PASS
				18/82	20MHz	-51.46	-29.2	PASS
				100/0	-20MHz	-42.78	-29.2	PASS
				100/0	20MHz	-46.68	-29.2	PASS



Band1 BW:5MHz

CH 18025, QPSK, Partial RB@0



CH 18025, 16QAM, Partial RB@0



CH 18025, QPSK, Partial RB@Max



CH 18025, 16QAM, Partial RB@Max



CH 18025, QPSK, Full RB



CH 18025, 16QAM, Full RB





Band1 BW:5MHz

CH 18300, QPSK, Partial RB@0



CH 18300, 16QAM, Partial RB@0



CH 18300, QPSK, Partial RB@Max



CH 18300, 16QAM, Partial RB@Max



CH 18300, QPSK, Full RB



CH 18300, 16QAM, Full RB





Band1 BW:5MHz

CH 18575, QPSK, Partial RB@0



CH 18575, 16QAM, Partial RB@0



CH 18575, QPSK, Partial RB@Max



CH 18575, 16QAM, Partial RB@Max



CH 18575, QPSK, Full RB



CH 18575, 16QAM, Full RB





Band1 BW:10MHz

CH 18050, QPSK, Partial RB@0



CH 18050, 16QAM, Partial RB@0



CH 18050, QPSK, Partial RB@Max



CH 18050, 16QAM, Partial RB@Max



CH 18050, QPSK, Full RB



CH 18050, 16QAM, Full RB





Band1 BW:10MHz

CH 18300, QPSK, Partial RB@0



CH 18300, 16QAM, Partial RB@0



CH 18300, QPSK, Partial RB@Max



CH 18300, 16QAM, Partial RB@Max



CH 18300, QPSK, Full RB



CH 18300, 16QAM, Full RB





Band1 BW:10MHz
CH 18550, QPSK, Partial RB@0



CH 18550, 16QAM, Partial RB@0



CH 18550, QPSK, Partial RB@Max



CH 18550, 16QAM, Partial RB@Max



CH 18550, QPSK, Full RB



CH 18550, 16QAM, Full RB





Band1 BW:20MHz
CH 18100, QPSK, Partial RB@0



CH 18100, 16QAM, Partial RB@0



CH 18100, QPSK, Partial RB@Max



CH 18100, 16QAM, Partial RB@Max



CH 18100, QPSK, Full RB



CH 18100, 16QAM, Full RB





Band1 BW:20MHz
CH 18300, QPSK, Partial RB@0



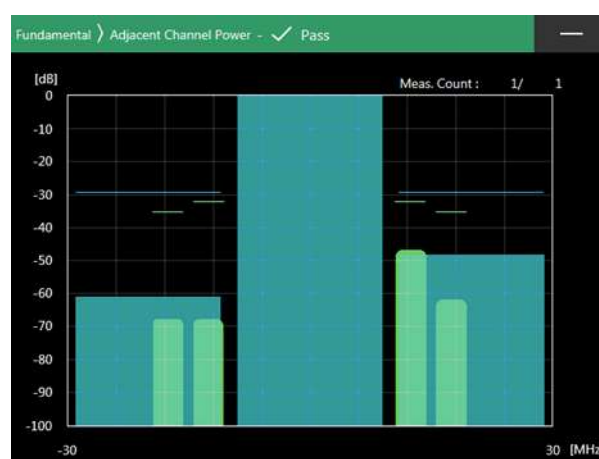
CH 18300, 16QAM, Partial RB@0



CH 18300, QPSK, Partial RB@Max



CH 18300, 16QAM, Partial RB@Max



CH 18300, QPSK, Full RB



CH 18300, 16QAM, Full RB





Band1 BW:20MHz
CH 18500, QPSK, Partial RB@0



CH 18500, 16QAM, Partial RB@0



CH 18500, QPSK, Partial RB@Max



CH 18500, 16QAM, Partial RB@Max



CH 18500, QPSK, Full RB



CH 18500, 16QAM, Full RB



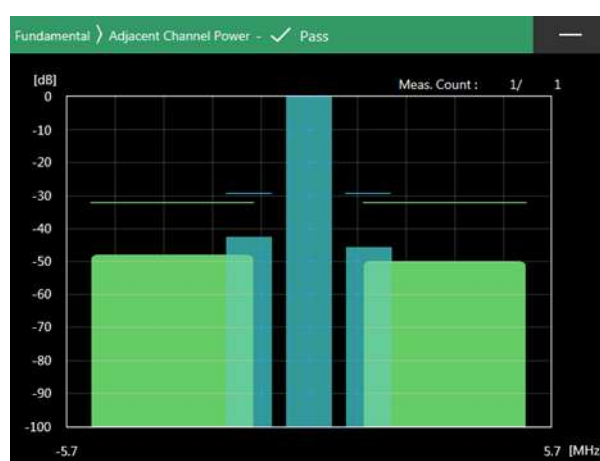


Band3 BW:1.4MHz

CH 19207, QPSK, Partial RB@0



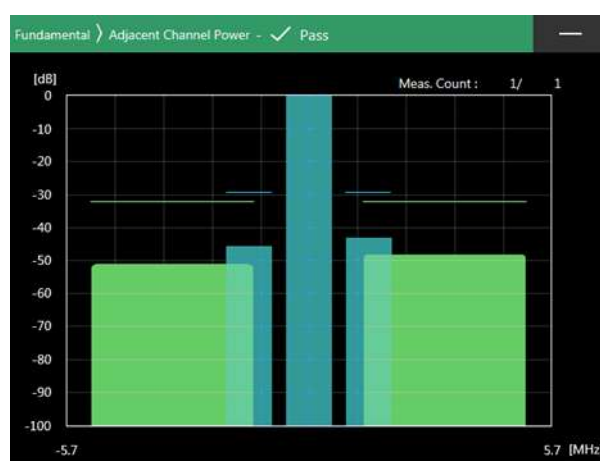
CH 19207, 16QAM, Partial RB@0



CH 19207, QPSK, Partial RB@Max



CH 19207, 16QAM, Partial RB@Max



CH 19207, QPSK, Full RB



CH 19207, 16QAM, Full RB



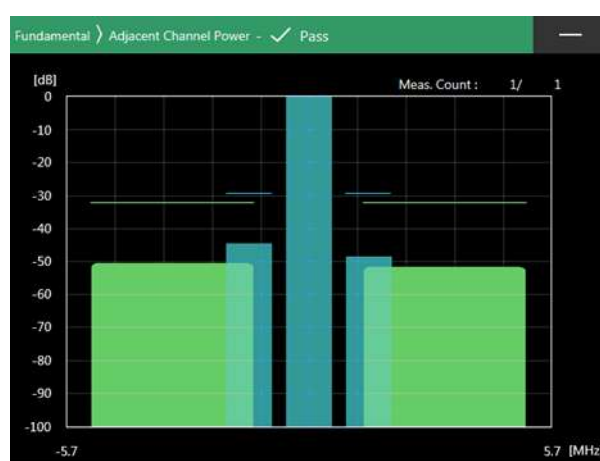


Band3 BW:1.4MHz

CH 19575, QPSK, Partial RB@0



CH 19575, 16QAM, Partial RB@0



CH 19575, QPSK, Partial RB@Max



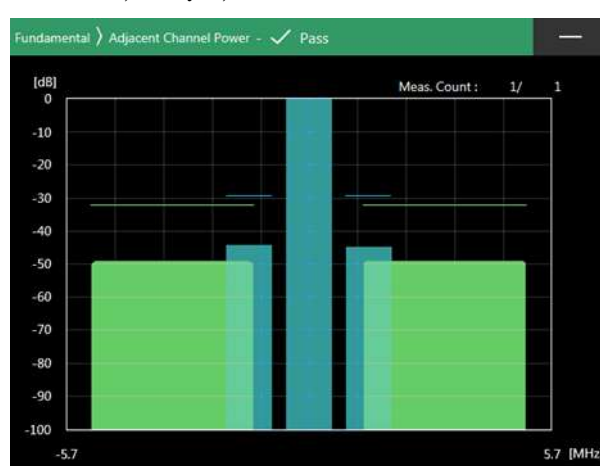
CH 19575, 16QAM, Partial RB@Max



CH 19575, QPSK, Full RB



CH 19575, 16QAM, Full RB





Band3 BW:1.4MHz

CH 19943, QPSK, Partial RB@0



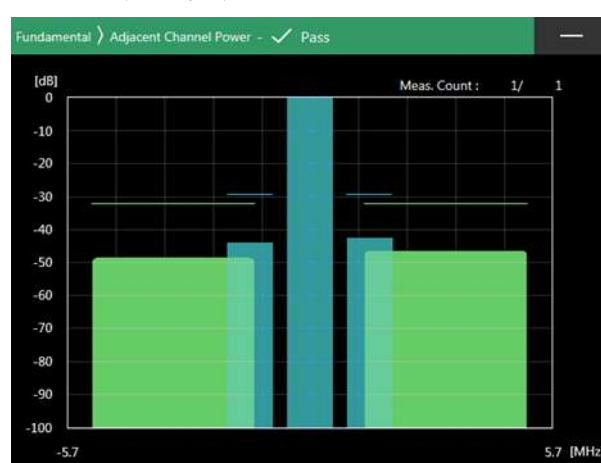
CH 19943, 16QAM, Partial RB@0



CH 19943, QPSK, Partial RB@Max



CH 19943, 16QAM, Partial RB@Max



CH 19943, QPSK, Full RB



CH 19943, 16QAM, Full RB





Band3 BW:5MHz

CH 19225, QPSK, Partial RB@0



CH 19225, 16QAM, Partial RB@0



CH 19225, QPSK, Partial RB@Max



CH 19225, 16QAM, Partial RB@Max



CH 19225, QPSK, Full RB



CH 19225, 16QAM, Full RB





Band3 BW:5MHz

CH 19575, QPSK, Partial RB@0



CH 19575, 16QAM, Partial RB@0



CH 19575, QPSK, Partial RB@Max



CH 19575, 16QAM, Partial RB@Max



CH 19575, QPSK, Full RB



CH 19575, 16QAM, Full RB





Band3 BW:5MHz

CH 19925, QPSK, Partial RB@0



CH 19925, 16QAM, Partial RB@0



CH 19925, QPSK, Partial RB@Max



CH 19925, 16QAM, Partial RB@Max



CH 19925, QPSK, Full RB



CH 19925, 16QAM, Full RB





Band3 BW:10MHz
CH 19250, QPSK, Partial RB@0



CH 19250, 16QAM, Partial RB@0



CH 19250, QPSK, Partial RB@Max



CH 19250, 16QAM, Partial RB@Max



CH 19250, QPSK, Full RB



CH 19250, 16QAM, Full RB





Band3 BW:10MHz
CH 19575, QPSK, Partial RB@0



CH 19575, 16QAM, Partial RB@0



CH 19575, QPSK, Partial RB@Max



CH 19575, 16QAM, Partial RB@Max



CH 19575, QPSK, Full RB



CH 19575, 16QAM, Full RB





Band3 BW:10MHz
CH 19900, QPSK, Partial RB@0



CH 19900, 16QAM, Partial RB@0



CH 19900, QPSK, Partial RB@Max



CH 19900, 16QAM, Partial RB@Max



CH 19900, QPSK, Full RB



CH 19900, 16QAM, Full RB





Band3 BW:20MHz
CH 19300, QPSK, Partial RB@0



CH 19300, 16QAM, Partial RB@0



CH 19300, QPSK, Partial RB@Max



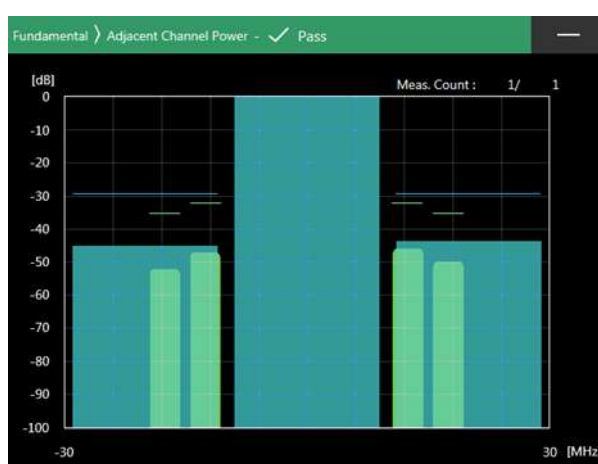
CH 19300, 16QAM, Partial RB@Max



CH 19300, QPSK, Full RB



CH 19300, 16QAM, Full RB





Band3 BW:20MHz
CH 19575, QPSK, Partial RB@0



CH 19575, 16QAM, Partial RB@0



CH 19575, QPSK, Partial RB@Max



CH 19575, 16QAM, Partial RB@Max



CH 19575, QPSK, Full RB



CH 19575, 16QAM, Full RB





Band3 BW:20MHz
CH 19850, QPSK, Partial RB@0



CH 19850, 16QAM, Partial RB@0



CH 19850, QPSK, Partial RB@Max



CH 19850, 16QAM, Partial RB@Max



CH 19850, QPSK, Full RB



CH 19850, 16QAM, Full RB





Band7 BW:5MHz

CH 20775, QPSK, Partial RB@0



CH 20775, 16QAM, Partial RB@0



CH 20775, QPSK, Partial RB@Max



CH 20775, 16QAM, Partial RB@Max



CH 20775, QPSK, Full RB



CH 20775, 16QAM, Full RB





Band7 BW:5MHz

CH 21100, QPSK, Partial RB@0



CH 21100, 16QAM, Partial RB@0



CH 21100, QPSK, Partial RB@Max



CH 21100, 16QAM, Partial RB@Max



CH 21100, QPSK, Full RB



CH 21100, 16QAM, Full RB





Band7 BW:5MHz

CH 21425, QPSK, Partial RB@0



CH 21425, 16QAM, Partial RB@0



CH 21425, QPSK, Partial RB@Max



CH 21425, 16QAM, Partial RB@Max



CH 21425, QPSK, Full RB



CH 21425, 16QAM, Full RB





Band7 BW:10MHz
CH 20800, QPSK, Partial RB@0



CH 20800, 16QAM, Partial RB@0



CH 20800, QPSK, Partial RB@Max



CH 20800, 16QAM, Partial RB@Max



CH 20800, QPSK, Full RB



CH 20800, 16QAM, Full RB





Band7 BW:10MHz
CH 21100, QPSK, Partial RB@0



CH 21100, 16QAM, Partial RB@0



CH 21100, QPSK, Partial RB@Max



CH 21100, 16QAM, Partial RB@Max



CH 21100, QPSK, Full RB



CH 21100, 16QAM, Full RB





Band7 BW:10MHz
CH 21400, QPSK, Partial RB@0



CH 21400, 16QAM, Partial RB@0



CH 21400, QPSK, Partial RB@Max



CH 21400, 16QAM, Partial RB@Max



CH 21400, QPSK, Full RB



CH 21400, 16QAM, Full RB





Band7 BW:20MHz
CH 20850, QPSK, Partial RB@0



CH 20850, 16QAM, Partial RB@0



CH 20850, QPSK, Partial RB@Max



CH 20850, 16QAM, Partial RB@Max



CH 20850, QPSK, Full RB



CH 20850, 16QAM, Full RB





Band7 BW:20MHz
CH 21100, QPSK, Partial RB@0



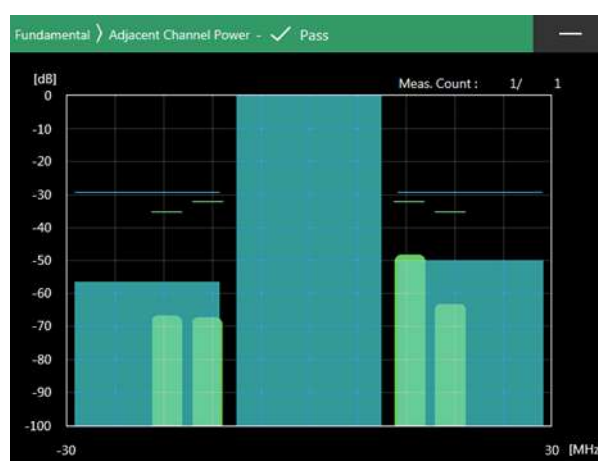
CH 21100, 16QAM, Partial RB@0



CH 21100, QPSK, Partial RB@Max



CH 21100, 16QAM, Partial RB@Max



CH 21100, QPSK, Full RB



CH 21100, 16QAM, Full RB





Band7 BW:20MHz

CH 21350, QPSK, Partial RB@0



CH 21350, 16QAM, Partial RB@0



CH 21350, QPSK, Partial RB@Max



CH 21350, 16QAM, Partial RB@Max



CH 21350, QPSK, Full RB



CH 21350, 16QAM, Full RB



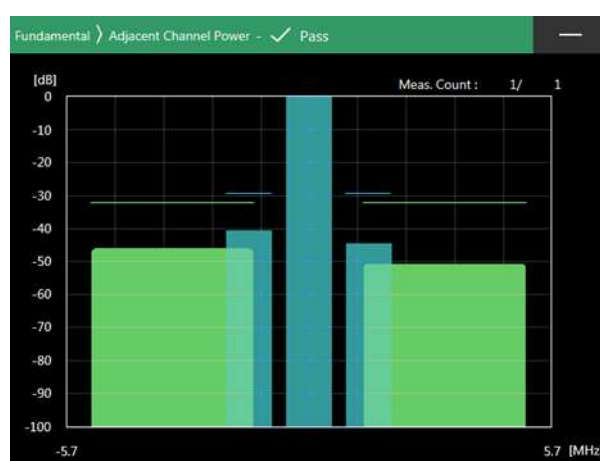


Band8 BW:1.4MHz

CH 21507, QPSK, Partial RB@0



CH 21507, 16QAM, Partial RB@0



CH 21507, QPSK, Partial RB@Max



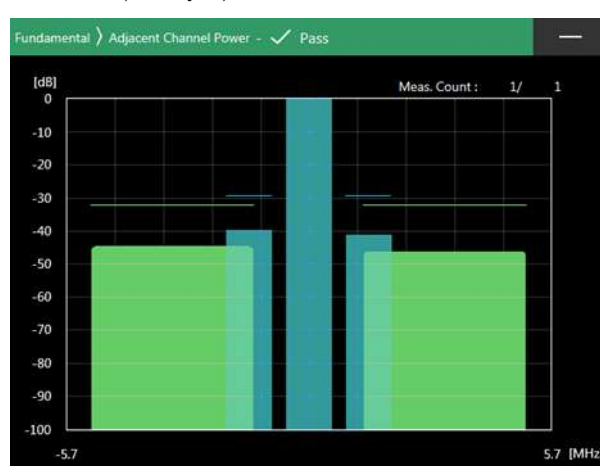
CH 21507, 16QAM, Partial RB@Max



CH 21507, QPSK, Full RB



CH 21507, 16QAM, Full RB



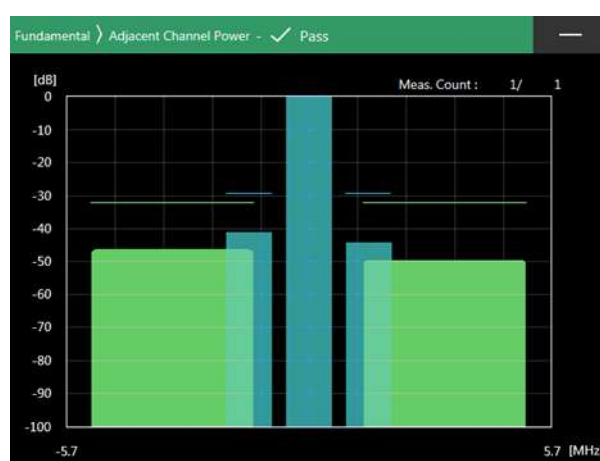


Band8 BW:1.4MHz

CH 21650, QPSK, Partial RB@0



CH 21650, 16QAM, Partial RB@0



CH 21650, QPSK, Partial RB@Max



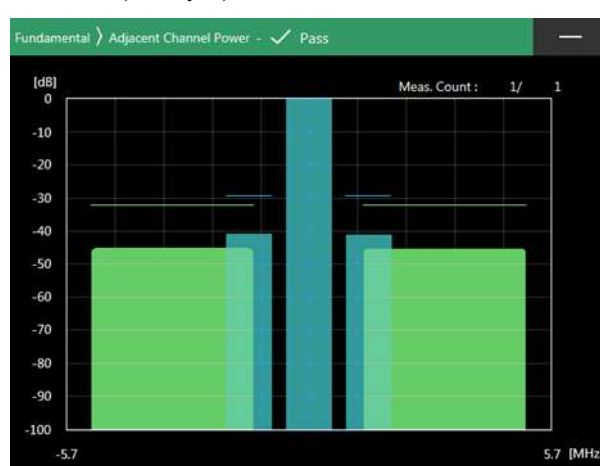
CH 21650, 16QAM, Partial RB@Max



CH 21650, QPSK, Full RB



CH 21650, 16QAM, Full RB



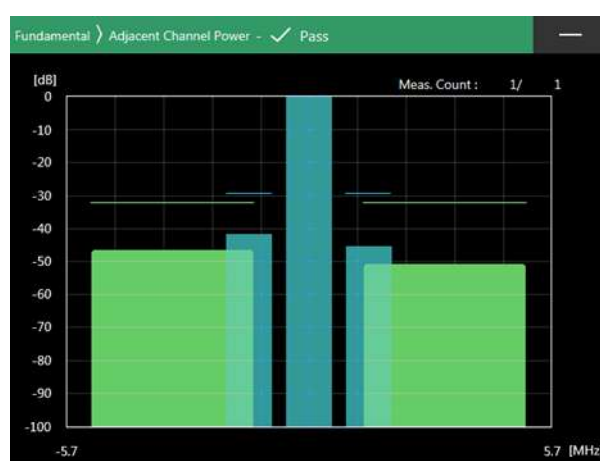


Band8 BW:1.4MHz

CH 21793, QPSK, Partial RB@0



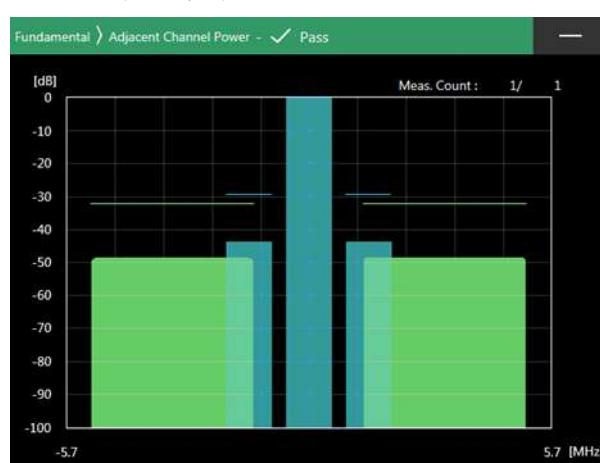
CH 21793, 16QAM, Partial RB@0



CH 21793, QPSK, Partial RB@Max



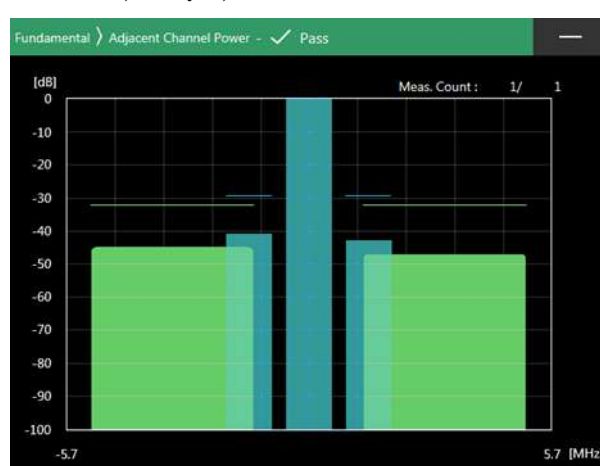
CH 21793, 16QAM, Partial RB@Max



CH 21793, QPSK, Full RB



CH 21793, 16QAM, Full RB





Band8 BW:5MHz

CH 21525, QPSK, Partial RB@0



CH 21525, 16QAM, Partial RB@0



CH 21525, QPSK, Partial RB@Max



CH 21525, 16QAM, Partial RB@Max



CH 21525, QPSK, Full RB



CH 21525, 16QAM, Full RB





Band8 BW:5MHz

CH 21650, QPSK, Partial RB@0



CH 21650, 16QAM, Partial RB@0



CH 21650, QPSK, Partial RB@Max



CH 21650, 16QAM, Partial RB@Max



CH 21650, QPSK, Full RB



CH 21650, 16QAM, Full RB





Band8 BW:5MHz

CH 21775, QPSK, Partial RB@0



CH 21775, 16QAM, Partial RB@0



CH 21775, QPSK, Partial RB@Max



CH 21775, 16QAM, Partial RB@Max



CH 21775, QPSK, Full RB



CH 21775, 16QAM, Full RB





Band8 BW:10MHz
CH 21550, QPSK, Partial RB@0



CH 21550, 16QAM, Partial RB@0



CH 21550, QPSK, Partial RB@Max



CH 21550, 16QAM, Partial RB@Max



CH 21550, QPSK, Full RB



CH 21550, 16QAM, Full RB





Band8 BW:10MHz
CH 21650, QPSK, Partial RB@0



CH 21650, 16QAM, Partial RB@0



CH 21650, QPSK, Partial RB@Max



CH 21650, 16QAM, Partial RB@Max



CH 21650, QPSK, Full RB



CH 21650, 16QAM, Full RB





Band8 BW:10MHz
CH 21750, QPSK, Partial RB@0



CH 21750, 16QAM, Partial RB@0



CH 21750, QPSK, Partial RB@Max



CH 21750, 16QAM, Partial RB@Max



CH 21750, QPSK, Full RB



CH 21750, 16QAM, Full RB





Band28 BW:3MHz

CH 27225, QPSK, Partial RB@0



CH 27225, 16QAM, Partial RB@0



CH 27225, QPSK, Partial RB@Max



CH 21750, 16QAM, Partial RB@Max



CH 27225, QPSK, Full RB



CH 27225, 16QAM, Full RB





Band28 BW:3MHz
CH 27435, QPSK, Partial RB@0



CH 27435, 16QAM, Partial RB@0



CH 27435, QPSK, Partial RB@Max



CH 27435, 16QAM, Partial RB@Max



CH 27435, QPSK, Full RB



CH 27435, 16QAM, Full RB





Band28 BW:3MHz
CH 27645, QPSK, Partial RB@0



CH 27645, 16QAM, Partial RB@0



CH 27645, QPSK, Partial RB@Max



CH 27645, 16QAM, Partial RB@Max



CH 27645, QPSK, Full RB



CH 27645, 16QAM, Full RB





Band28 BW:5MHz

CH 27235, QPSK, Partial RB@0



CH 27235, 16QAM, Partial RB@0



CH 27235, QPSK, Partial RB@Max



CH 27235, 16QAM, Partial RB@Max



CH 27235, QPSK, Full RB



CH 27235, 16QAM, Full RB





Band28 BW:5MHz

CH 27435, QPSK, Partial RB@0



CH 27435, 16QAM, Partial RB@0



CH 27435, QPSK, Partial RB@Max



CH 27435, 16QAM, Partial RB@Max



CH 27435, QPSK, Full RB



CH 27435, 16QAM, Full RB





Band28 BW:5MHz

CH 27635, QPSK, Partial RB@0



CH 27635, 16QAM, Partial RB@0



CH 27635, QPSK, Partial RB@Max



CH 27635, 16QAM, Partial RB@Max



CH 27635, QPSK, Full RB



CH 27635, 16QAM, Full RB





Band28 BW:10MHz

CH 27260, QPSK, Partial RB@0



CH 27260, 16QAM, Partial RB@0



CH 27260, QPSK, Partial RB@Max



CH 27260, 16QAM, Partial RB@Max



CH 27260, QPSK, Full RB



CH 27260, 16QAM, Full RB





Band28 BW:10MHz

CH 27435, QPSK, Partial RB@0



CH 27435, 16QAM, Partial RB@0



CH 27435, QPSK, Partial RB@Max



CH 27435, 16QAM, Partial RB@Max



CH 27435, QPSK, Full RB



CH 27435, 16QAM, Full RB





Band28 BW:10MHz

CH 27610, QPSK, Partial RB@0



CH 27610, 16QAM, Partial RB@0



CH 27610, QPSK, Partial RB@Max



CH 27610, 16QAM, Partial RB@Max



CH 27610, QPSK, Full RB



CH 27610, 16QAM, Full RB





Band28 BW:20MHz

CH 27310, QPSK, Partial RB@0



CH 27310, 16QAM, Partial RB@0



CH 27310, QPSK, Partial RB@Max



CH 27310, 16QAM, Partial RB@Max



CH 27310, QPSK, Full RB



CH 27310, 16QAM, Full RB





Band28 BW:20MHz

CH 27435, QPSK, Partial RB@0



CH 27435, 16QAM, Partial RB@0



CH 27435, QPSK, Partial RB@Max



CH 27435, 16QAM, Partial RB@Max



CH 27435, QPSK, Full RB



CH 27435, 16QAM, Full RB





Band28 BW:20MHz

CH 27560, QPSK, Partial RB@0



CH 27560, 16QAM, Partial RB@0



CH 27560, QPSK, Partial RB@Max



CH 27560, 16QAM, Partial RB@Max



CH 27560, QPSK, Full RB



CH 27560, 16QAM, Full RB





9. 電壓條件

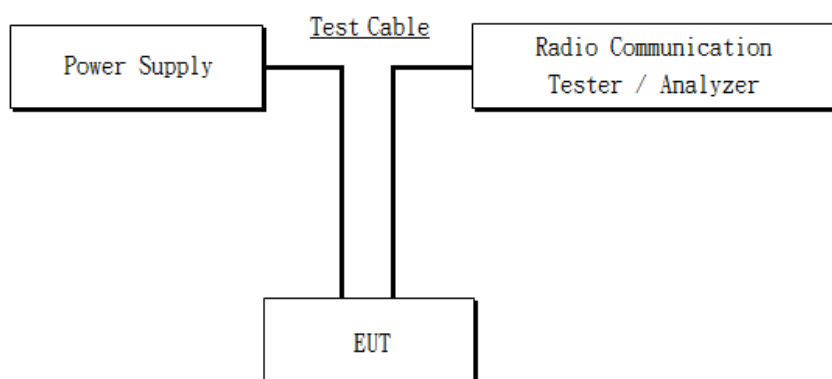
9.1. 限制

1. 檢測終端設備之電源電壓低於關機電壓時，終端設備不得發射。
2. 檢測終端設備之電源電壓低於低極端電壓或高於高極端電壓，終端設備若可通電開機時，不得無效使用行動通信電信終端設備技術規範第 3 節規定之頻段。

9.2. 測試方法

1. 調整電源供給器(高極端電壓，低極端電壓，關機電壓)給終端設備。
2. 並觀察頻譜分析儀，終端設備是否發射頻率訊號。

9.3. 測試配置





9.4. 測試結果及數據

終端設備宣告

標稱電壓:110V

低極端電壓:99V

高極端電壓:121V

關機電壓:27V

電壓條件		設備是否發射頻率訊號
高極端電壓(V)	121	有發射
低極端電壓(V)	99	有發射
關機電壓(V)	27	無發射

電源電壓低於 低極端電壓	終端設備是否可通電開機	設備是否發射頻率訊號
98.9	有開機	有發射

電源電壓高於 高極端電壓	終端設備是否可通電開機	設備是否發射頻率訊號
121.1	有開機	有發射

補充:

檢測終端設備之電源電壓低於低極端電壓設備,可通電開機時,還是有發射頻率訊號。

檢測終端設備之電源電壓高於高極端電壓設備,可通電開機時,還是有發射頻率訊號。



10. 頻率穩定度之量測規定

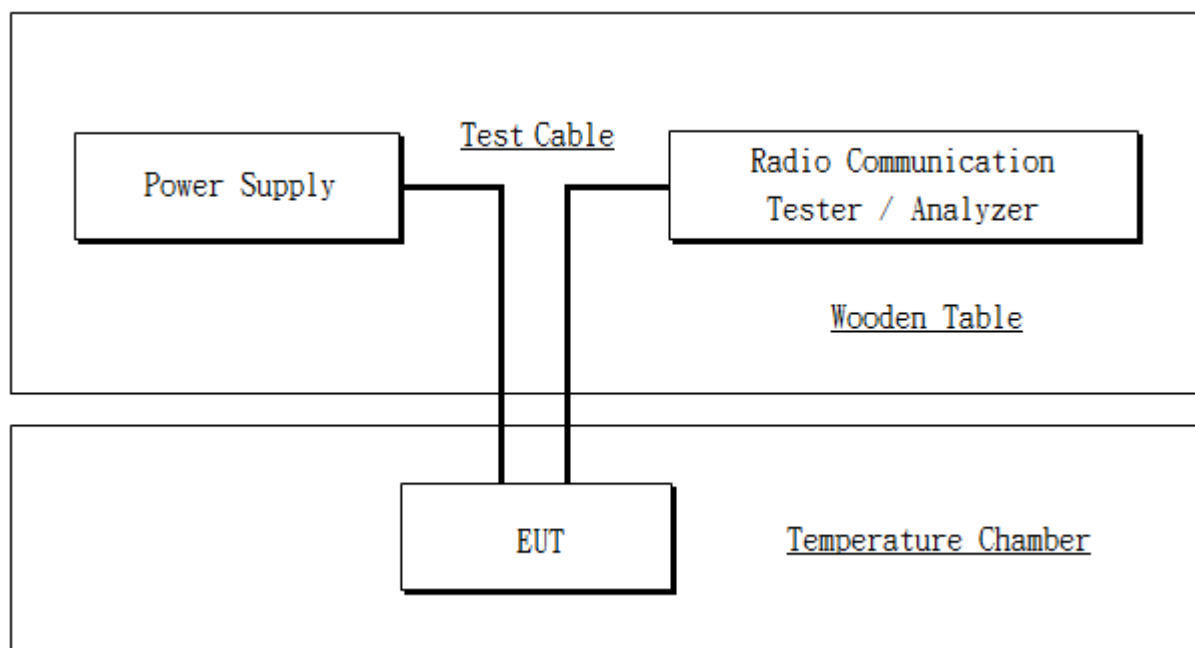
10.1. 適用標準

終端設備於常態環境常態電壓、低極端溫度低極端電壓、低極端溫度高極端電壓、高極端溫度低極端電壓、高極端溫度高極端電壓等五種測試環境下，分別進行頻率量測，經 0/2/5/10 分鐘量測結果，頻率應維持在頻道之主波頻率 0.1ppm 以內。

10.2. 測試方法

1. 將待測物置於恆溫恆濕機中且將待測物之電源接至電源供應器，控制恆溫恆濕機的溫度於常態環境常態電壓、低極端溫度低極端電壓、低極端溫度高極端電壓、高極端溫度低極端電壓、高極端溫度高極端電壓等五種測試環境下，並依0分鐘、2分鐘、5分鐘、10分鐘紀錄頻率值。
2. 檢視Radio Communication Analyzer 連線之待測物之工作頻率值，並記錄。

10.3. 測試配置





10.4. 量測結果及數據

Band1 5M CH18300 1RB@0

中心頻率 (MHz)	1950	頻率穩定度					結果
Temp(°C)	Power supply(V)	0 minute (ppm)	2 minute (ppm)	5 minute (ppm)	10 minute (ppm)	Limit (ppm)	
25	110	0.0032	0.0025	0.0023	0.0017	<0.1	PASS
-10	99	0.0027	0.0023	0.0019	0.0012	<0.1	PASS
-10	121	0.0027	0.0023	0.0019	0.0012	<0.1	PASS
55	99	0.0030	0.0029	0.0024	0.0019	<0.1	PASS
55	121	0.0030	0.0029	0.0024	0.0019	<0.1	PASS

Band3 5M CH19575 1RB@0

中心頻率 (MHz)	1747.5	頻率穩定度					結果
Temp(°C)	Power supply(V)	0 minute (ppm)	2 minute (ppm)	5 minute (ppm)	10 minute (ppm)	Limit (ppm)	
25	110	0.0026	0.0019	0.0018	0.0031	<0.1	PASS
-10	99	0.0039	0.0022	0.0010	0.0027	<0.1	PASS
-10	121	0.0039	0.0022	0.0010	0.0027	<0.1	PASS
55	99	0.0038	0.0026	0.0021	0.0026	<0.1	PASS
55	121	0.0038	0.0026	0.0021	0.0026	<0.1	PASS

Band7 5M CH21100 1RB@0

中心頻率 (MHz)	2535	頻率穩定度					結果
Temp(°C)	Power supply(V)	0 minute (ppm)	2 minute (ppm)	5 minute (ppm)	10 minute (ppm)	Limit (ppm)	
25	110	0.0013	0.0018	0.0015	0.0021	<0.1	PASS
-10	99	0.0011	0.0012	0.0004	0.0005	<0.1	PASS
-10	121	0.0011	0.0012	0.0004	0.0005	<0.1	PASS
55	99	0.0015	0.0008	0.0002	-0.0014	<0.1	PASS
55	121	0.0015	0.0008	0.0002	-0.0014	<0.1	PASS

B8 CH21525 5M 1RB@0

中心頻率 (MHz)	887.5	頻率穩定度					結果
Temp(°C)	Power supply(V)	0 minute (ppm)	2 minute (ppm)	5 minute (ppm)	10 minute (ppm)	Limit (ppm)	
25	110	0.0027	0.0023	0.0025	0.0016	<0.1	PASS
-10	99	0.0044	0.0017	0.0010	-0.0005	<0.1	PASS
-10	121	0.0044	0.0017	0.0010	-0.0005	<0.1	PASS
55	99	0.0026	0.0014	0.0012	-0.0003	<0.1	PASS
55	121	0.0026	0.0014	0.0012	-0.0003	<0.1	PASS



B28 CH27435 5M 1RB@0

中心頻率 (MHz)	725.5	頻率穩定度					
Temp(°C)	Power supply(V)	0 minute (ppm)	2 minute (ppm)	5 minute (ppm)	10 minute (ppm)	Limit (ppm)	結果
25	110	0.0032	-0.0018	0.0004	-0.0036	<0.1	PASS
-10	99	0.0023	0.0015	0.0006	-0.0003	<0.1	PASS
-10	121	0.0023	0.0015	0.0006	-0.0003	<0.1	PASS
55	99	0.0021	0.0006	-0.0012	-0.0015	<0.1	PASS
55	121	0.0021	0.0006	-0.0012	-0.0015	<0.1	PASS



11. 電波功率密度

11.1. Limit

本項測試適用於移動式行動臺設備

頻段	電波功率密度最大值
700MHz	0.35 mW/cm ²
900MHz	0.45 mW/cm ²
1800MHz	0.9 mW/cm ²
2100MHz、2500MHz 與 2600MHz	1 mW/cm ²

11.2. Calculation

$$\text{Given } E = \frac{\sqrt{30 \times P \times G}}{d} \quad \& \quad S = \frac{E^2}{3770}$$

Where E = Field strength in Volts / meter

P = Power in Watts

G = Numeric antenna gain

d = Distance in meters

S = Power density in milliwatts / square centimeter

Combining equations and re-arranging the terms to express the distance as a function of the remaining variables yields:

$$S = \frac{30 \times P \times G}{3770d^2}$$

Changing to units of mW and cm, using:

$$P \text{ (mW)} = P \text{ (W)} / 1000 \text{ and}$$

$$d \text{ (cm)} = d \text{ (m)} / 100$$

Yields

$$S = \frac{30 \times (P/1000) \times G}{3770 \times (d/100)^2} = 0.0796 \times \frac{P \times G}{d^2} \quad \text{Equation 1}$$

Where d = Distance in cm

P = Power in mW

G = Numeric antenna gain

S = Power density in mW / cm²



11.3. 最大電波功率密度

PCB Antenna

LTE Band	Max. Conducted output power(dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
Band 1	22.18	1.8	20	0.050	1
Band 3	21.41	1.6	20	0.040	0.9
Band 7	22.95	1.2	20	0.052	1
Band 8	23.11	0.5	20	0.046	0.45
Band 28	23.05	0.4	20	0.044	0.35

Dipole Antenna

LTE Band	Max. Conducted output power(dBm)	Antenna Gain(dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
Band 1	22.18	1.47	20	0.046	1
Band 3	21.41	3.51	20	0.062	0.9
Band 7	22.95	4.12	20	0.101	1
Band 8	23.11	1.15	20	0.053	0.45
Band 28	23.05	-0.46	20	0.036	0.35

-----THE END OF REPORT-----