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Appendix -

Test Data and Result for report GZCR220900121402



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1 Out-of-band rejection





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2 Input versus Output comparison

		Осси	upied Bandwidth			
				99% OB	W (MHz)	
Test Path	Test Signal	Test Channel	Signal Level	Input	Output	Verdict
			Pre-AGC	4.1081	4.0990	PASS
	AWGN	MCH	3dB above AGC	4.1099	4.1001	PASS
Downlink			Pre-AGC	0.24450	0.24501	PASS
	GSM	MCH	3dB above AGC	0.24542	0.24468	PASS



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3 Mean output power and amplifier/booster gain

			Mean output	power and gai	n			
Test Path	Test Freq. f0 (MHz)	Test Signal	Signal Level	Input power (dBm)	Output Power (dBm)	SISO EIRP (W)	Total EIRP (W)	Gain (dB)
			Pre-AGC	23.50	36.61	14.49	57.68	13.11
		AWGN	3dB above AGC	26.50	36.54	14.26	56.76	/
Downlink	3547.25		Pre-AGC	23.80	36.93	15.60	62.09	13.13
		GSM	3dB above AGC	26.80	36.92	15.56	61.95	/

Remark:

1. f0 is from Out-of-band Rejection test in the report.

2. EIRP= output power (dBm)+ antenna gain (dBi), the antenna gain is 5dBi declared by the manufacturer, the directional gain = G_{ANT} + 10 log (N_{ANT}) dBi = 8dBi

			Mean outpu	ut power			
Test Path	Test Freq. f0 (MHz)	Test Signal	Signal Level	Output Power (dBm/MHz)	SISO EIRP (W/MHz)	Total EIRP (W/MHz)	Verdict
			Pre-AGC	29.88	3.08	12.25	PASS
		AWGN	3dB above AGC	30.09	3.23	12.86	PASS
Downlink	3547.25		Pre-AGC	36.64	14.59	58.08	PASS
		GSM	3dB above AGC	36.63	14.56	57.95	PASS

Remark:

1. f0 is from Out-of-band Rejection test in the report.

2. EIRP= output power (dBm)+ antenna gain (dBi), the antenna gain is 5dBi declared by the manufacturer, the directional gain = G_{ANT} + 10 log (N_{ANT}) dBi = 8dBi.

3. The output power is limited to an EIRP of 1640W/MHz.

			Peak-to-average	e ratio (PAR)		
Test path	Test freq. f0 (MHz)	Test Signal	Signal level	PAR (dB)	Limit (dB)	Verdict
			Pre-AGC	8.27		PASS
		AWGN	3dB above AGC	8.10	-10	PASS
Downlink	3547.25		Pre-AGC	0.26	≤13	PASS
		GSM	3dB above AGC	0.26		PASS



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4 Out-of-band/out-of-block (including intermodulation) emissions

		Out-of-	band/out-of-bloc	k (including intermo	odulation)	emissions		
Test	Band	Test	Stimulus	Cirrael Level	Worst co test leve	onducted el (dBm)	Limit	Mandiat
Path	Edge	Signal	Condition	Signal Level	200kHz RBW	1MHz RBW	(dBm/MHz)	verdict
			a single test	Pre-AGC	-28.49	-21.50		PASS
	lower		signal	3dB above AGC	-26.57	-19.58		PASS
	edge		two adjacent	Pre-AGC	-28.58	-21.59		PASS
			test signals	3dB above AGC	-28.09	-21.10	. 10	PASS
Downlink		AWGN	a single test	Pre-AGC	-25.56	-18.57	≤-16	PASS
	upper		signal	3dB above AGC	-25.66	-18.67		PASS
	edge		two adjacent	Pre-AGC	-28.44	-21.45		PASS
			test signals	3dB above AGC	-28.62	-21.63		PASS

Remark:

1. The level in 1MHz RBW= the level in 200kHz RBW+ 10lg(1000/200).

2. For 2×2 MIMO, one of ANT ports was measured and the limit shall be reduced by 10lg(2) = 3dB, so the limit was calculated to show -16dBm/MHz in order to determine the test result conveniently.

		Out-of-	band/out-of-bloc	k (including intermo	odulation)	emissions		
Test Path	Test Channel	Test Signal	Stimulus Condition	Signal Level	Worst co test leve 10kHz RBW	onducted el (dBm) 1MHz RBW	Limit (dBm/MHz)	Verdict
			a single test	Pre-AGC	-38.34	-18.34		PASS
	lower		signal	3dB above AGC	-37.83	-17.83		PASS
	edge		two adjacent	Pre-AGC	-37.53	-17.53		PASS
Downlink		GSM	test signals	3dB above AGC	-38.17	-18.17	< 16	PASS
DOWININK		GSIVI	a single test	Pre-AGC	-38.41	-18.41	≈-10	PASS
	upper		signal	3dB above AGC	-38.04	-18.04		PASS
	edge		two adjacent	Pre-AGC	-37.44	-17.44		PASS
			test signals	3dB above AGC	-37.22	-17.22		PASS

Remark:

1. The level in 1MHz RBW= the level in 10kHz RBW+ 10lg(1000/10).

2. For 2×2 MIMO, one of ANT ports was measured and the limit shall be reduced by 10lg(2)=3dB, so the limit was calculated to show -16dBm/MHz in order to determine the test result conveniently.



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5 Conducted Spurious emissions

			Conducted	spurious emissio	ns		
Test Path	Test Channel	Test Signal	Signal Level	Frequency range (MHz)	Worst test level (dBm/MHz)	Limit (dBm/MHz)	Verdict
				30-1000	-48.60	≤-43	PASS
				1000-3430	-47.81	≤-43	PASS
				3430-3440	-32.01	≤-28	PASS
	HCH	AWGN	Pre-AGC	3440-3449	-31.52	≤-16	PASS
				3551-3560	-20.18	≤-16	PASS
				3560-3570	-32.80	≤-28	PASS
				3570-40000	-46.63	≤-43	PASS
				30-1000	-48.38	≤-43	PASS
				1000-3430	-47.88	≤-43	PASS
				3430-3440	-33.86	≤-28	PASS
Downlink	HCH	GSM	Pre-AGC	3440-3449	-33.68	≤-16	PASS
				3551-3560	-22.37	≤-16	PASS
				3560-3570	-33.21	≤-28	PASS
				3570-40000	-46.74	≤-43	PASS
				30-1000	-48.64	≤-43	PASS
				1000-3430	-47.72	≤-43	PASS
				3430-3440	-33.72	≤-28	PASS
	MCH	AWGN	Pre-AGC	3440-3449	-33.63	≤-16	PASS
				3551-3560	-33.42	≤-16	PASS
				3560-3570	-33.40	≤-28	PASS
				3570-40000	-46.63	≤-43	PASS

Remark:

For 2×2 MIMO, one of ANT ports was measured and the limit shall be reduced by 10lg(2)=3dB, so the limits were calculated to show -43dBm/MHz, -28dBm/MHz and -16dBm/MHz individually in order to determine the test result conveniently.



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			Conducted	spurious emissio	ns		
Test Path	Test Channel	Test Signal	Signal Level	Frequency range (MHz)	Worst test level (dBm/MHz)	Limit (dBm/MHz)	Verdict
				30-1000	-48.65	≤-43	PASS
				1000-3430	-47.78	≤-43	PASS
				3430-3440	-33.78	≤-28	PASS
	МСН	GSM	Pre-AGC	3440-3449	-33.69	≤-16	PASS
				3551-3560	-33.54	≤-16	PASS
				3560-3570	-33.41	≤-28	PASS
				3570-40000	-46.73	≤-43	PASS
				30-1000	-48.53	≤-43	PASS
				1000-3430	-47.84	≤-43	PASS
				3430-3440	-33.31	≤-28	PASS
Downlink	LCH	AWGN	Pre-AGC	3440-3449	-20.39	≤-16	PASS
				3551-3560	-32.97	≤-16	PASS
				3560-3570	-32.88	≤-28	PASS
				3570-40000	-46.67	≤-43	PASS
				30-1000	-48.69	≤-43	PASS
				1000-3430	-48.01	≤-43	PASS
				3430-3440	-33.47	≤-28	PASS
	LCH	GSM	Pre-AGC	3440-3449	-22.49	≤-16	PASS
				3551-3560	-33.46	≤-16	PASS
				3560-3570	-33.20	≤-28	PASS
				3570-40000	-46.72	≤-43	PASS

Remark:

For 2×2 MIMO, one of ANT ports was measured and the limit shall be reduced by 10lg(2), so the limits were calculated to show -43dBm/MHz, -28dBm/MHz and -16dBm/MHz individually in order to determine the test result conveniently.



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	Conducted Spd		
	Downlink_/	AWGN_HCH	
Spectrum Analyzer 1			Frequency 🔹
KEYSIGHT Input: RF Inp Coupling: AC Co	ut Z:50 Q #Atten: 0 dB PNO: Fas rr CCorr Preamp: Off Gate: Off	t Avg Type: Power (RMS) 12 3 4 5 6 Avg Hold.>100/100	Center Frequency Settings
Align Auto Fre	lq Ref. Ext (S) IF Gain. H E. Off Sig Track	ligh Trig Free Run Off ANNNNN	Span
1 Spectrum v Scale/Div 10 dB	Ref LvI Offset 42.90 dB Ref Level 20.00 dBm	Mkr1 846.74 MHz -48.609 dBm	970.000000 MHz
Log			Zero Span
0.00			Full Span
-10.0			30.000000 MHz
-20.0			Stop Freq 1.000000000 GHz
-30.0			AUTO TUNE
-40.0		DL1 -43.00 dBm	CF Step
-50.0		an and a share a share of the particular in a share of the share of th	Auto
-60.0			Freq Offset
-70.0			0 Hz X Axis Scale
Start 0.0300 GHz #Res BW 1.0 MHz	#Video BW 3.0 MHz*	Stop 1.0000 GHz Sweep ~1.49 ms (1001 pts)	Log Lin
まっで ニ ? ร	ep 27, 2022	X - X -	Signal Track (Span Zoom)
	Downlink A	AWGN HCH	
Spectrum Analyzer 1	Downlink_/	AWGN_HCH	
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Inp	Downlink_,	AWGN_HCH	Frequency V
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto NFR	UIZ 50 0. #Atten: 2 dB PNO: Fas rr CCorr Preamp. Off Gate. Off q Ref. Ext (S) IF Gain. L S In Track	AWGN_HCH	Frequency Center Frequency Settings
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Aign: Auto T Spectrum	UI Z: 50 0. #Atten: 2 dB PNO: Fas rr CCorr Preamp. Off Gate: off R Ref. Ext (S) IF Gam. Sig Track Ref Lv1 Offset 34.00 dB	AWGN_HCH t Avg Type: Power (RMS) 12 3 4 5 6 AvgHold >100/100 ow Trig: Free Run ANN N N Mkr1 3.430 00 GHz	Frequency Frequency Center Frequency Settings
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto I Spectrum Scale/Div 10 dB Log	UI Z. 50 0. #Atten: 2 dB PNO: Fas rr CCorr Rg Ref. Ext (S) Preamp: Off Gate: Off IF Gain: L Sig Track Ref LvI Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH t Awg Type: Power (RMS) 1 2 3 4 5 6 AwgHold >100/100 ow Trig: Free Run A N N N N N Mkr1 3.430 00 GHz -47,817 dBm	Frequency Center Frequency 2:215000000 GHz Settings
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto Fr Scale/Div 10 dB Log 10 0	LIZ 50 0 #Atten: 2 dB PNO. Fas rr CCorr Preamp. Off Gate: 0ff E Off Sig Track Ref Lvt Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH AvgType: Power (RMS) 12 3 4 5 6 AvgHold.>100/100 ow Thig: Free Run ANN N N Mkr1 3.430 00 GHz -47.817 dBm	Frequency Center Frequency Settings Center Frequency Settings 2.215000000 GHz Span 2.43000000 GHz Swept Span Zero Span Full Span
Spectrum Analyzer 1 + KEYSIGHT Input: RF Coupling: AC Align: Auto 1 Spectrum Scale/Div 10 dB Log 10.0	UI Z. 50 Ω #Atten: 2 dB PNO: Fas rr CCOrr R Ref. Ext (S) Preamp: Off Gate. Off IF Gatu. Off Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH	Frequency Center Frequency Settings 2.215000000 GHz Span 2.43000000 GHz Swept Span Zero Span Full Span Start Freq 1.000000000 GHz
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto T Scale/Div 10 dB Log 10 0 0.00 10 0	Level 20.00 dBm	AWGN_HCH AvgType: Power (RMS) 12 3 4 5 6 AvgHold.>100/100 ow Trig: Free Run ANN N N Mkr1 3.430 00 GHz -47.817 dBm	Frequency Settings Center Frequency 2.21500000 GHz Span 2.43000000 GHz Swept Span Zero Span Full Span Start Freq 1.00000000 GHz Stop Freq
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Aulign: Aulign	U Z 50 0. #Atten 2 dB PNO: Fas rr CCorr Preamp: Off Gate Off R Ref. Ext (S) Sig Track Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH	Frequency Center Frequency Settings 2.215000000 GHz Span 2.430000000 GHz Swept Span Zero Span Full Span Start Freq 1.000000000 GHz Stop Freq 3.430000000 GHz
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto T Scale/Div 10 dB Log 10 0 20 0 	Lit Z: 50 0 #Atten: 2 dB PNO: Fas rr CCorr Ref Evt (S) Preamp. Off Gate: 0ff IF Gain. Sig Track Ref Level 20.00 dBm	AWGN_HCH	Frequency Center Frequency Settings 2.21500000 GHz Span 2.43000000 GHz Swept Span Zero Span Full Span Start Freq 1.00000000 GHz Stop Freq 3.43000000 GHz AUTO TUNE CF Step
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Aulign: Aulign	UI Z 50 0. #Atten 2 dB PNO: Fas rr CCorr Preamp: Off Gate Off R Ref. Ext (S) Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Support Span Support Span Full Span Full Span Start Freq 1.000000000 GHz Start Freq 3.430000000 GHz Start Freq 3.430000000 GHz CF Step 243.0000000 MHz Auto
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Cooping: AC Align: Autor Fri Scale/Div 10 dB Log 10 0 -10 0 -20 0 -30 0 -50 0 -50 0	LIZ 50 0 #Atten: 2 dB PNO: Fas rr CCorr Ref Lv1 Offset 34.00 dB Ref Level 20.00 dBm	AWGN_HCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Full Span Start Freq 1.00000000 GHz Start Freq 3.43000000 GHz Start Freq 1.00000000 GHz Start Freq 2.43000000 GHz Start Freq 3.43000000 GHz Start Freq AUTO TUNE CF Step 243.000000 MHz Man Freq Offset Start Freq
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Aultion: Align: Aultion: AN Scale/Div 10 dB Log 10.0 20.0 30.0 	ut Z 50 0. #Atten: 2 dB PNO: Faster rr CCorr Preamp: Off Gate. 011 R off. Ext (S) Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm V Image: State of the sta	AWGN_HCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Full Span Start Freq 1.000000000 GHz Start Freq 3.43000000 GHz Start Freq 3.43000000 GHz CF Step 243.0000000 MHz Auto Man Freq Offset 0 Hz Charles



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	Conducted spuric	ous emissions	
	Downlink_AW	/GN_MCH	
Spectrum Analyzer 1 + Swept SA + KEYSIGHT Input RF Coupling: AC Ct Characteristics	ut Z. 50 Ω #Atten: 2 dB PNO Fast rr CCorr Preamp. Off Gale: Off on Dar Fer (2) IF Coin Low	Avg Type: Power (RMS) 1 2 3 4 5 6 AvgHold >100/100 Trig Free Prin	Frequency Frequency Center Frequency Settings
1 Spectrum Scale/Div 10 dB	Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	Mkr1 3.430 00 GHz -47.724 dBm	Span 2.4300000 GHz Swept Span Zero Span
10.0			Full Span Start Freq 1.00000000 GHz Stop Freq
-20.0		0L1 43.00 2	3.430000000 GHz AUTO TUNE CF Step 243.000000 MHz
-60 0 -70 0			Man Freq Offset 0 Hz X Axis Scale
Start 1.000 GHz #Res BW 1.0 MHz	#Video BW 3.0 MHz*	Stop 3.430 GHz Sweep -3.29 ms (1001 pts)	Log Lin Signal Track (Sana Zoven)
	Downlink AV	/GN MCH	
Spectrum Analyzer 1 Spectru	m Analyzer 6	_	🗘 Frequency 🗸 🎇
KEYSIGHT Input: RF In Coupling: AC CA Align: Auto Fr	ut Z: 50 Ω #Atten: 20 dB PNO: Fast rr CCorr Preamp. Off Gate. Off iq Ref. Ext (S) IF Gain. Low E: Off Sig Track: Off	Avg Type: Power (RMS) 1 2 3 4 5 6 Avg Hold >100/100 Trig: Free Run A N N N N N	Center Frequency 3.50000000 GHz
1 Spectrum Scale/Div 10 dB Log 25.0 Trace 1 Pass 15.0	Ref Lvi Offset 34.00 dB Ref Level 35.00 dBm	Mkr1 3.551 00 GHz -33.416 dBm	140.000000 MHz Swept Span Zero Span
5 00 -5 00 -5 0 -5 0 		•1 ∂2	Start Freq 3.430000000 GHz Stop Freq 3.570000000 GHz
Stor Start 3.43000 GHz #Res BW 1.0 MHz 5 Marker Table	#Video BW 10 kHz*	Stop 3.57000 GHz Sweep 14.1 ms (1001 pts)	AUTO TUNE CF Step 14.000000 MHz
Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5 6 6 6	X Y Function 3.551 00 GHz -33.42 dBm 3.560 00 GHz -33.40 dBm 3.440 00 GHz -33.72 dBm 3.449 00 GHz -33.63 dBm	Function Width Function Value	Auto Man Freq Offset 0 Hz X Axis Scale Log
# 7 7 1 ? *	ep 27, 2022		Signal Track



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	Conducted spuri	ous emissions	
	Downlink_A	NGN_MCH	
Spectrum Analyzer 1 Swept SA Channe KEYSIGHT Input RF Inp	m Analyzer 6 Power ut Z: 50 Q #Atten: 6 dB PNO: Fast	Ava Type: Power (RMS) 12 3.4.5.6	Frequency •
Coupling, AC Co Align: Auto Fre	r CCorr Preamp. Off Gate. Off q Ref. Ext (S) IF Gain. Low E: Off Sig Track. Off	Avg Hold: 37/100 Trig: Free Run A N N N N N	6.785000000 GHz
1 Spectrum v Scale/Div 10 dB	Ref LvI Offset 34.00 dB Ref Level 30.00 dBm	Mkr1 7.042 20 GHz -46.694 dBm	Span 6.43000000 GHz Swept Span Zero Span
20.0			Full Span
10.0			Start Freq 3.570000000 GHz
-10.0			Stop Freq 10.000000000 GHz
-20.0			AUTO TUNE
-30.0		DL1-43.90 dBm	CF Step 643.000000 MHz
-50.0			Auto Man
-60.0			0 Hz
Start 3.570 GHz #Res BW 1.0 MHz	#Video BW 10 kHz*	Stop 10.000 GHz Sweep ~662 ms (1001 pts)	Log Lin
📲 🗂 🍽 📲 💈	ep 27, 2022 💬 🛆		Signal Track (Span Zoom)
	Downlink_A	WGN_MCH	
Spectrum Analyzer 1			🔅 Frequency 🔹 🔆
KEYSIGHT Input: RF RL ↔ Align: Auto Fre	it Z:50 Ω #Atten: 0 dB PNO: Fast r CCorr Preamp: Off Gate: Off q Ref. Int (S) Source: Off IF Gain: High Sig Track: Off	#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 10/10 Trig: Free Run A A A A A A	Center Frequency 25.00000000 GHz
1 Spectrum Scale/Div 10 dB Log 100	Ref Lvi Offset 20.20 dB Ref Level 0.00 dBm	Mkr1 38.911 GHz -56.459 dBm	30.0000000 GHz Swept Span Zero Span
-20.0			Full Span
-40.0 -50.0 -60.0		0L1-43.00 rflm	Start Freq 10.000000000 GHz
-70.0 -80.0			Stop Freq 40.000000000 GHz
-90,0		Stop 40.00 GHz	AUTO TUNE
Start 10.00 GHz	#Video BW 3.0 MHz*		
Start 10.00 GHz #Res BW 1.0 MHz 5 Marker Table V	#Video BW 3.0 MHZ*	Sweep ~57.0 ms (10001 pts)	CF Step 3.000000000 GHz
Start 10.00 GHz #Res BW 1.0 MHz 5 Marker Table * Mode Trace Scale 1 N 1 f	#Video BW 3.0 MHz* X Y Function 38.911 GHz -56.46 dBm	Sweep ~57.0 ms (10001 pts) Function Width Function Value	GF Step 3.000000000 GHz Auto Man Freg Offset
Mode Trace Scale 1 N 1 f 2 N 1 f 3 4 1 f	X Y Function 38.911 GHz -56.46 dBm -56.46 dBm	Sweep ~57.0 ms (10001 pts) Function Width Function Value	CF Step 3.00000000 GHz Auto Man Freq Offset 0 Hz V Avie Scale



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	Downlink	AWGN LCH	
Construm Annhunes 1			
Swept SA	Input Z 50 Q #Atten: 0 dB PNO: Fas	t Ava Type: Power (RMS)	Frequency V
Coupling: AC Align: Auto	Corr CCorr Preamp: Off Gate: Off Freq Ref. Ext (S) IF Gain: H	Avg Hold.>100/100 Avg Fold.>100/100 Avvvvvvvv	515.000000 MHz
1 Spectrum	Ref Lvi Offset 42.90 dB	Mkr1 933.07 MHz	Span 970.000000 MHz
Scale/Div 10 dB	Ref Level 20.00 dBm	-48.596 dBm	Swept Span Zero Span
10.0			Full Span
0.00			Start Freq 30.000000 MHz
-10.0			Stop Freq
-30.0			1.000000000 GHz
-40.0		DL1 4 CBM	CF Step
-50.0			97.000000 MHz
-60.0			Man Freq Offset
-70.0			0 Hz
Start 0.0300 GHz #Res BW 1.0 MHz	#Video BW 3.0 MHz*	Stop 1.0000 GHz Sweep ~1.49 ms (1001 pts)	X Axis Scale Log Lin
¶ 	Sep 27, 2022	X - X II.	Signal Track (Span Zoom)
	Downlink	AWGN LCH	
Spectrum Analyzer 1	Downlink_	AWGN_LCH	নি াল
Spectrum Analyzer 1 + Swept SA KEYSIGHT Input: RF	Downlink_ Input Z: 50 Ω #Atten: 2 dB PNO: Fas	AWGN_LCH	Frequency • 🧩
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto	Downlink_ Input Z: 50 0 #Atten: 2 dB PNO: Fas Corr CCorr Preamp. Olf Gate. Off Freq Ref. Ext (S) Sio Track	AWGN_LCH	Frequency Center Frequency 2.21500000 GHz
Spectrum Analyzer 1 + Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto 1 Spectrum	Downlink_ Input Z: 50 Ω #Atten: 2 dB PNO: Fas Corr CCorr Freq Ref Ext (S) NFE: Off Preamp. Off I Gate Off Sig Track Ref Lv1 Offset 34.00 dB	AWGN_LCH t Avg Type Power (RMS) AvgfHold.>100/100 Trg. Free Run ANN N N Mkr1 3,430 00 GHz 47 045 dram	Frequency Frequency Ettings
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Couping: AC Align: Auto T Scale/Div 10 dB Log	Input Z: 50 Ω #Atten: 2 dB PNO: Fas Corr CCorr Preamp: Off Gate: 0 ff Frea Ref: Ext (S) Preamp: Off Is gate: 0 ff NFE: Off Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	AWGN_LCH 4 Avg Type: Power (RMS) 1 2 3 4 5 6 AvgHold >100/100 ow Trg: Free Run 0rf Mkr1 3.430 00 GHz -47.845 dBm	Frequency Ethings Center Frequency Settings 2.215000000 GHz Saturdation Span 2.43000000 GHz Swept Span Swept Span Zero Span Settings
Spectrum Analyzer 1 + Swept SA KEYSIGHT Input: RF Coupling: AC Alight Auto 1 Spectrum + Scale/Div 10 dB Log 10.0	Downlink_ Input Z: 50 0 Corr CCorr Freq Ref Ext (S) NFE: Off Ref Lv1 Offset 34.00 dB Ref Level 20.00 dBm	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Full Span Full Span
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Couping: Act Align: Auto Scale/Div 10 dB Log 10.0 0.00 10.0	Downlink_ Input Z: 50 Ω #Atten: 2 dB PNO: Fas Corr Corr Free Ref. Ext (S) Preamp: Off IGate: Off NFE: Off Cain: L Sig Track Ref Level 20.00 dBm	AWGN_LCH	Frequency Settings Center Frequency Settings 2.21500000 GHz Settings Span Swept Span Zero Span Full Span Full Span Start Freq 1.000000000 GHz Start Freq
Spectrum Analyzer 1 + Swept SA KEYSIGHT Input: RF Coupling: AC Alight Auto 1 Spectrum • Scale/Div 10 dB Log 10.0 	Downlink_	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Support Span Zero Span Full Span Full Span Start Freq 1.000000000 GHz Stop Freq Start Freq 3.430000000 GHz
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Coupling: AC Align: Auto 1 Spectrum Scale/Div 10 dB Log 10.0 .00 .00 .20.0 .30.0	Downlink_	AWGN_LCH	Frequency Ettings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Start Freq 1.00000000 GHz Stop Freq 3.43000000 GHz AUTO TUNE AUTO TUNE
Spectrum Analyzer 1 + KEYSIGHT Input: RF Couping: AC Align: Auto 1 Spectrum * Scale/Div 10 dB - 10.0 - 10.0 - - </td <td>Downlink_</td> <td>AWGN_LCH</td> <td>Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Subscription 2.43000000 GHz Settings Swept Span Full Span Full Span Start Freq 1.000000000 GHz Stop Freq 3.430000000 GHz GHz Stop Freq Stop Strep 3.43000000 GHz GHz Start Spanone Nets Start Spanone Nets</td>	Downlink_	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Subscription 2.43000000 GHz Settings Swept Span Full Span Full Span Start Freq 1.000000000 GHz Stop Freq 3.430000000 GHz GHz Stop Freq Stop Strep 3.43000000 GHz GHz Start Spanone Nets Start Spanone Nets
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto 1 Spectrum Scale/Div 10 dB Log 10.0 	Input Z: 50 Ω Corr Corr Freq Ref Ext (S) #Atton: 2 dB Preamp. Off PNO: Fas Gate Off NFE: Off Preamp. Off Gate Loging Ref Lv1 Offset 34.00 dB Ref Level 20.00 dBm Imput 2000 Imput 2: 50 Ω Imput 2: 50 Ω Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: Fas Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: Fas Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: Fas Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: Fas Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: 5 as Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: 5 as Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off PNO: 5 as Gate Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off Imput 2: 50 Ω #Atton: 2 dB Preamp. Off #Atton: 2 dB Preamp. Off	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Full Span Start Freq 1.00000000 GHz Start Freq 3.43000000 GHz Stop Freq 3.43000000 GHz Stop Freq 3.43000000 GHz Stop Freq 3.43000000 GHz Auto TUNE CF Step 243.000000 MHz Auto Map
Spectrum Analyzer 1 + KEYSIGHT Input RF Couping: AC Align: Auto Scale/Div 10 dB 10.0 0.00 -10.0 -30.0 -40.0 -50.0 -60.0	Downlink_ Input Z: 50 0 Corr CCorr Freq Ref. Ext (S) Wresonbian Officer 34.00 dB Ref Level 20.00 dBm Corr Corr	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Settings 2.43000000 GHz Settings Swept Span Full Span Full Span Start Freq 1.000000000 GHz Start Freq 3.430000000 GHz Gr Step AUTO TUNE CF Step 243.000000 MHz Auto Man Freq Offset
Spectrum Analyzer 1 • KEYSIGHT Coupling: AC Align: Auto 1 Spectrum • Scale/Div 10 dB • 0.00 • 10.0 • -20.0 • -30.0 • -50.0 • -60.0 •	Downlink_	AWGN_LCH	Frequency Settings Center Frequency Settings 2.215000000 GHz Settings Span Swept Span Zero Span Full Span Full Span Start Freq 1.00000000 GHz Start Freq 3.43000000 GHz Start Freq 1.00000000 GHz Start Freq 2.43000000 GHz Stap Freq 3.430000000 GHz Stap Freq AUTO TUNE CF Step 243.000000 MHz Man Freq Offset Hz Axits Scale Start Freq



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	Conducted spurio	ous emissions	
	Downlink_G	SM_HCH	
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Coupling: Ac Align: Auto 20 0.00 -10 -0 -0 -0 -0 -0 -0 -0 -0 -0 -	Input Z: 50 Q #Atten: 2 dB PNO: Fast Corr Corr Freamp: Off IF Cain. Low IFE: Off Ref Level 20.00 dB Ref Level 20.00 dB	Avg Type: Power (RMS) AvgHold = 100/100 Trig: Free Run Mkr1 3.430 00 GHz -47.887 dBm	Frequency Frequency Center Frequency Settings 2.215000000 GHz Settings Span 2.43000000 GHz Swept Span Full Span Zero Span Full Span Start Freq 1.00000000 GHz Stop Freq 3.43000000 GHz AUTO TUNE CF Step 243.000000 MHz Settings
Spectrum Analyzer 1 Swept SA	#Video BW 3.0 MHz* Sep 27, 2022 T11:18:30 AM Downlink_G	Stop 3.430 GHz Sweep -3.29 ms (1001 pts)	Auto Man Freq Offset 0 Hz X Axis Scale Log Lin Signal Track (Span Zoom) Frequency
Scale/Div 10 dB S	Preamp: Off Gate: Off Freq Ref. Ext (S) NFE: Off Ref. Lvi Offset 34.00 dB Ref Level 35.00 dBm	Avg1406-100100 Trig: Free Run ANN NN N Mkr1 3.551 00 GHz -22.373 dBm	Center Frequency 3.50000000 GHz Span 140.000000 MHz Swept Span Zero Span Full Span Start Freq 3.430000000 GHz Stop Freq 3.57000000 GHz
Start 3.43000 GHz #Res BW 1.0 MHz 5 Marker Table Mode Trace Scale 1 1 2 N 3 N 4 N 5 6	X Y Function 3.551 00 GHz -22.37 dBm 3.560 00 GHz -33.21 dBm 3.440 00 GHz -33.86 dBm 3.440 00 GHz -33.68 dBm 3.449 00 GHz -33.66 dBm 3.449 00 GHz -33.68 dBm	Stop 3.57000 GHz Sweep 14.1 ms (1001 pts) Function Width Function Value	CF Step 14.000000 MHz Auto Man Freq Offset 0 Hz XAxis Scale Lin Signal Track



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Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Channel Power Align Auto Spectrum Scale(Div 10 dB	Preamp: Off (S)	SM_HCH	🛟 Frequency 🔹 👯
Spectrum Analyzer 1 Swept SA KEYSIGHT Input: RF Coupling: AC Align: Auto 1 Spectrum Scale/Dir 10 dB	er 6 #Atton: 6 dB PNO: Fast Preamp. Off Gate: Off (S) FGain: Low	Aun Tune: Dawner (DMC)	Frequency 🔹 🔆
Coupling: AC Corr Corr Align: Auto 1 Spectrum Scale/Div 10 dB	(S) Preamp: Off Gate: Off (S) IF Gain: Low	Avg Type. Power (Rims) 1 2 3 4 5 6	Center Frequency
1 Spectrum v	Sig Track: Off	Avg Hold: 26/100 A WWWWW Trig: Free Run A N N N N N	6.785000000 GHz
Log	Ref LvI Offset 34.00 dB Ref Level 30.00 dBm	Mkr1 7.048 63 GHz -46.748 dBm	6.43000000 GHz Swept Span Zero Span
20.0			Full Span
0.00			Start Freq 3.570000000 GHz
-10.0			Stop Freq 10.000000000 GHz
-20.0			AUTO TUNE
-40.0	1	DL1-43.00 dBm	643.000000 MHz
-50.0			Man Freq Offset
60.0		First 40 000 Citi	0 Hz X Axis Scale
#Res BW 1.0 MHz		Sweep ~662 ms (1001 pts)	Log
			Signal Track (Span Zoom)
	Downlink_GS	SM_HCH	
Spectrum Analyzer 1			Frequency 🔹 🔀
RL Couping, DC Corr CCorr Align Auto Freq Ref. Int I	Preamp: Off Gate: Off S) Source: Off IF Gain: High Sig Track: Off	Avgl Hold: 10/10 Trig: Free Run A A A A A A	Center Frequency 25.000000000 GHz
1 Spectrum v Scale/Div 10 dB	Ref Lvi Offset 20.20 dB Ref Level 0.00 dBm	Mkr1 38.458 GHz -56.644 dBm	30.0000000 GHz Swept Span Zero Span
-10.0 -20.0 -30.0			Full Span
-40.0		0L1-43.00 c/0m	Start Freq 10.000000000 GHz
-70.0 -80.0			Stop Freq 40.000000000 GHz
-90.0 Start 10.00 GHz	#Video BW 3.0 MHz*	Stop 40.00 GHz	AUTO TUNE
#Res BW 1.0 MHz 5 Marker Table v		Sweep ~57.0 ms (10001 pts)	CF Step 3.000000000 GHz
Mode Trace Scale X 1 N 1 f 38.458 2 3 3 3	Y Function F SHz -56.64 dBm	Function Width Function Value	Man Freq Offset 0 Hz
4 5			X Axis Scale

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	Conducted spur	rious emissions	
	Downlink_	GSM_MCH	
Spectrum Analyzer 1 + Swept SA]		Frequency 🔹 👯
KEYSIGHT Input RF Coupling: AC Align: Auto	nput 2: 50 Ω #Atten: 0 dB PNO: Fast Corr CCorr Preamp: Off Gate: Off Freq Ref. Ext (S) IF Gain: Hig NEE: Off Sig Track: 1	Avg Type: Power (RMS) 1 2 3 4 5 6 Avg Hold.>100/100 Trig. Free Run A N N N N N	Center Frequency 515.000000 MHz
1 Spectrum Scale/Div 10 dB	Ref Lvi Offset 42.90 dB Ref Level 20.00 dBm	Mkr1 934.04 MHz -48.651 dBm	Span 970.000000 MHz Swept Span
10.0			Full Span
-10.0			Start Freq 30.000000 MHz
-20.0			Stop Freq 1.000000000 GHz
-40.0		DL1 4 dBm	CF Step
-50.0			Auto Man
-70.0			Freq Offset 0 Hz
Start 0.0300 GHz #Res BW 1.0 MHz	#Video BW 3.0 MHz*	Stop 1.0000 GHz Sweep ~1.49 ms (1001 pts)	X Axis Scale Log Lin
* う ペ ■ ?	Sep 27, 2022 11:08:24 AM		Signal Track (Soan Zoom)
	Downlink_	GSM_MCH	
Spectrum Analyzer 1 Swept SA	Input Z:50 Ω #Atten: 2 dB PNO: Fast	Avg Type: Power (RMS) 1 2 3 4 5 6	Frequency V
Coupling: AC Align: Auto	Corr CCorr Preamp: Off Gate: Off Freq Ref Ext (S) IF Gain: Lo NFE: Off Sig Track: 0	Avg Hold.>100/100 w Trig: Free Run A N N N N Off	2.215000000 GHz
1 Spectrum V Scale/Div 10 dB Log	Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	Mkr1 3.430 00 GHz -47.782 dBm	2.43000000 GHz Swept Span Zero Span
10.0			Full Span
-10.0			1.000000000 GHz
-20.0			3.430000000 GHz
-30.0			
-30.0		DL1-43.00 2	CF Step 243.000000 MHz
-30 0 -40 0 -50 0 -60 0		0L1-43.002	CF Step 243.000000 MHz Auto Man
-30.0 -40.0 -50.0 -60.0 -70.0		DL1 43.00 C 1	CF Step 243.000000 MHz Auto Man Freq Offset 0 Hz X Axis Scale



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	Conducted spuri	ous emissions	
	Downlink_G	SM_LCH	
Spectrum Analyzer 1 Swept SA KEYSIGHT Input RF Counting: AC	ut Z:50 Ω #Atten: 2 dB PNO; Fast r CCorr Praemo; Off Gala Ωtf	Avg Type: Power (RMS) 12 3 4 5 6	Frequency ·
Align: Auto Fre	q Ref Ext (S) IF Gain Low E Off Sig Track: Off	Trig Free Run A WWWWW A N N N N N	2.215000000 GHz
1 Spectrum Scale/Div 10 dB Log	Ref Lvi Offset 34.00 dB Ref Level 20.00 dBm	Mkr1 3.430 00 GHz -48.010 dBm	2.43000000 GHz Swept Span Zero Span
10.0			Full Span
-10.0			1.000000000 GHz
-20.0			3.430000000 GHz
-30.0		DL1 -43 00 2 .	AUTO TUNE CF Step
-50.0			243.000000 MHz
-60.0			Man Freq Offset
Start 1.000 GHz	#Video BW 3.0 MHz*	Stop 3.430 GHz	0 Hz X Axis Scale
#Res BW 1.0 MHz	ap 27 2022	Sweep ~3.29 ms (1001 pts)	
Spectrum Analyzer 1 Spectru	Downlink_G	SM_LCH	(span Zoom)
Swept SA Channe KEYSIGHT Input: RF Inp	I Power ut Z: 50 Ω #Atten: 20 dB PNO: Fast CCorr Brown Off Coto Off	Avg Type: Power (RMS) 1 2 3 4 5 6	Center Frequency
Align Auto Fre	q Ref. Ext (S) IF Gain Low E Off Sig Track: Off	Trig: Free Run A N N N N N	3.500000000 GHz
1 Spectrum ▼ Scale/Div 10 dB	Ref Lvi Offset 34.00 dB Ref Level 35.00 dBm	Mkr4_3.449 00 GHz -22.492 dBm	140.000000 MHz Swept Span Zero Span
15.0 5.00			Full Span
-5.00 -15.0 -25.0		<u>1</u> <u>2</u>	Start Freq 3.430000000 GHz
-35.0			Stop Freq 3.570000000 GHz
Start 3.43000 GHz #Res BW 1.0 MHz	#Video BW 10 kHz*	Stop 3.57000 GHz Sweep 14.1 ms (1001 pts)	AUTO TUNE
		pto)	14.000000 MHz
5 Marker Table 🔹			Auto
5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f	X Y Function 3.551 00 GHz -33.46 dBm 3.560 00 GHz -33.20 dBm	Function Width Function Value	Auto Man Freq Offset
5 Marker Table Mode Trace Scale 1 N 1 f 2 N 1 f 3 N 1 f 4 N 1 f 5	X Y Function 3.551 00 GHz -33.46 dBm 3.660 00 GHz -33.20 dBm 3.440 00 GHz -33.47 dBm 3.449 00 GHz -22.49 dBm	Function Width Function Value	Auto Man Freq Offset 0 Hz X Axis Scale



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	Conducted sput	rious emissions	
	Downlink_	GSM_LCH	
Spectrum Analyzer 1 Spect Swept SA Chan	num Analyzer 6 nel Power nund 7: 50.0 #Atten: 6.dB PNO: Fast	Avin Tyne: Priwer (RMS)	Frequency
Coupling: AC Align: Auto	Corr CCorr Preamp. Off Gate. Off reg Ref. Ext (S) VFE: Off Sig Track. (Avg Hold: 20/100 A WWWWWW w Trig: Free Run A N N N N N	6.785000000 GHz
1 Spectrum v Scale/Div 10 dB	Ref Lvi Offset 34.00 dB Ref Level 30.00 dBm	Mkr1 7.042 20 GHz -46.727 dBm	Span 6.43000000 GHz Swept Span Zero Span
20.0			Full Span
0.00			Start Freq 3.570000000 GHz
-10.0			Stop Freq 10.00000000 GHz
-20.0			AUTO TUNE
-40.0		DL1 -43.00 dBm	643.000000 MHz
-50.0			Man Freq Offset
-60.0			0 Hz X Axis Scale
Start 3.570 GHz #Res BW 1.0 MHz	#Video BW 10 kHz*	Stop 10.000 GHz Sweep ~662 ms (1001 pts)	Log
• • • • • • • • • • • • • • • • • • •	2:04:04 PM		Signal Track (Span Zoom)
	Downlink_	GSM_LCH	
Spectrum Analyzer 1			Frequency 🔹
RL + Align: Auto F	nput Z 50 0 #Atten: 0 dB PNO: Fast Corr CCorr Preamp: Off Gate: Off req Ref. Int (S) Source: Off IF Gain: Hig Sig Track: (#Avg Type: Power (RMS 1 2 3 4 5 6 Avg Hold: 10/10 gh Trig: Free Run A A A A A A Off	Center Frequency 25.00000000 GHz
1 Spectrum v Scale/Div 10 dB	Ref LvI Offset 20.20 dB Ref Level 0.00 dBm	Mkr1 38.914 GHz -56.576 dBm	30.0000000 GHz Swept Span Zero Span
-20.0			Full Span
-40.0 -50.0 -60.0			Start Freq 10.000000000 GHz
-70.0			Stop Freq 40.000000000 GHz
Start 10.00 GHz #Res BW 1.0 MHz	#Video BW 3.0 MHz*	Stop 40.00 GHz Sweep ~57.0 ms (10001 pts)	AUTO TUNE
5 Marker Table ¥			3.000000000 GHz
Mode Trace Scale	X Y Function 38.914 GHz -56.58 dBm	Function Width Function Value	Man Freg Offset
2			
2 3 4 5			0 Hz X Axis Scale



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6 Frequency Stability

			Frequency stab	oility vs tempe	rature		
Test Path	Test Channel	Test Signal	Temperature (℃)	Voltage (V DC)	Frequency error (Hz)	Tolerance (ppm)	Verdict
			+50	48	43	0.012	PASS
			+40	48	56	0.016	PASS
			+30	48	37	0.011	PASS
			+20	48	25	0.007	PASS
	MCH	AWGN	+10	48	19	0.005	PASS
			0	48	33	0.009	PASS
			-10	48	40	0.011	PASS
			-20	48	27	0.008	PASS
			-30	48	33	0.009	PASS
Downlink			+50	48	50	0.014	PASS
			+40	48	41	0.012	PASS
			+30	48	34	0.010	PASS
			+20	48	28	0.008	PASS
	MCH	GSM	+10	48	47	0.013	PASS
			0	48	18	0.005	PASS
			-10	48	23	0.007	PASS
			-20	48	11	0.003	PASS
			-30	48	42	0.012	PASS

			Frequency	stability vs volta	ge		
Test path	Test Channel	Test Signal	Voltage (V DC)	Temperature (℃)	Frequency error (Hz)	Tolerance (ppm)	Verdict
			40.8	20	43	0.012	PASS
	MCH	AWGN	55.2	20	45	0.013	PASS
Downlink			40.8	20	29	0.008	PASS
	MCH	GSM	55.2	20	26	0.007	PASS



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7 Radiated Spurious emissions

All modes have been tested and only the worst test result was recorded in this report.

,,,,,,		<u></u>	12 1011	2_110112011				<u></u> 00111	112 101	12_101100	
30 20	n)					30 Level (dBm) 20					
-20						-20					
-60 -80	1	2	3	4 5 6		-60 -80	1	2		3 4 5	6
-100	-					-100					
-12030	50	100 Frequ	200 Jency (MHz)	500	1000	-120	50	100 Freque	200 ency (MHz)	500	1000
Freq.	Level	Limit	200 Iency (MHz) Over limit	Pol	Verdict	Freq.	Level	Limit	200 encv (MHz) Over limit	Pol	Verdic
Freq. (MHz)	Level (dBm)	Limit	Over limit (dBm)	Pol	Verdict	Freq. (MHz)	Level (dBm)	Limit	Over limit (dBm)	Pol	Verdic
Freq. (MHz) 46.83	50 Level (dBm) -77.18	Limit (dBm)	Over limit (dBm) -37.18	Pol	Verdict PASS	Freq. (MHz) 56.792	Level (dBm) -82.58	Limit (dBm)	Over limit (dBm)	Pol	Verdic
Freq. (MHz) 46.83 96.099	50 Level (dBm) -77.18 -79.48	100 Frem (dBm) -40 -40	Over limit (dBm) -37.18	Pol Horizontal Horizontal	Verdict PASS PASS	Freq. (MHz) 56.792 147.921	Level (dBm) -82.58 -83.85	100 Fread (dBm) -40 -40	200 oncy (MHz) Over limit (dBm) -42.58 -43.85	Pol Vertical Vertical	Verdic PASS PASS
Freq. (MHz) 46.83 96.099 222.95	50 Level (dBm) -77.18 -79.48 -85.74	100 Freenu (dBm) -40 -40 -40	200 Over limit (dBm) -37.18 -39.48 -45.74	Pol Horizontal Horizontal Horizontal	Verdict PASS PASS PASS	Freq. (MHz) 56.792 147.921 297.224	Level (dBm) -82.58 -83.85 -81.72	100 Freau (dBm) -40 -40 -40	200 Over limit (dBm) -42.58 -43.85 -41.72	Pol Vertical Vertical Vertical	Verdic PASS PASS PASS
Freq. (MHz) 46.83 96.099 222.95 348.027	50 Level (dBm) -77.18 -79.48 -85.74 -79.79	100 Frem (dBm) -40 -40 -40 -40 -40	Over limit (dBm) -37.18 -39.48 -45.74 -39.79	Pol Horizontal Horizontal Horizontal Horizontal	Verdict PASS PASS PASS PASS	Freq. (MHz) 56.792 147.921 297.224 351.708	Level (dBm) -82.58 -83.85 -81.72 -80.86	Limit (dBm) -40 -40 -40	200 Over limit (dBm) -42.58 -43.85 -41.72 -40.86	Pol Vertical Vertical Vertical Vertical	Verdic PASS PASS PASS PASS
Freq. (MHz) 46.83 96.099 222.95 348.027 526.397	50 Level (dBm) -77.18 -79.48 -85.74 -79.79 -76.55	100 Frem (dBm) -40 -40 -40 -40 -40 -40	Over limit (dBm) -37.18 -39.48 -45.74 -39.79 -36.55	Pol Horizontal Horizontal Horizontal Horizontal Horizontal	Verdict PASS PASS PASS PASS PASS	Freq. (MHz) 56.792 147.921 297.224 351.708 543.274	Level (dBm) -82.58 -83.85 -81.72 -80.86 -74.52	100 Freque (dBm) -40 -40 -40 -40 -40	200 nov (MHz) Over limit (dBm) -42.58 -43.85 -41.72 -40.86 -34.52	Pol Vertical Vertical Vertical Vertical Vertical	Verdic PASS PASS PASS PASS PASS



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--End of Appendix--



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